

Universidad Nacional Autónoma de México
Facultad de Ingeniería

Análisis de Sequías

Volumen II

Carlos A. Escalante Sandoval
Lilia Reyes Chávez

División de Ingeniería Civil, Topográfica y Geodésica
Departamento de Ingeniería Hidráulica



FACULTAD DE INGENIERIA

Análisis de Recursos

Volumen II

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Portada: Hombre caminando campo a través durante una sequía. Fuente: Programa de las Naciones Unidas para el Medio Ambiente (PNUMA).

P R E S E N T A C I Ó N

La Facultad de Ingeniería ha decidido realizar una serie de ediciones provisionales de obras recientemente elaboradas por académicos de la institución, como material de apoyo para sus clases, de manera que puedan ser aprovechadas de inmediato por alumnos y profesores. Tal es el caso de la obra *Análisis de seqúas* de los profesores Carlos Agustín Escalante Sandoval y Lilia Reyes Chávez.

Se invita a los estudiantes y profesores a que comuniquen a los autores las observaciones y sugerencias que mejoren el contenido de la obra, con el fin de que se incorporen en una futura edición definitiva.

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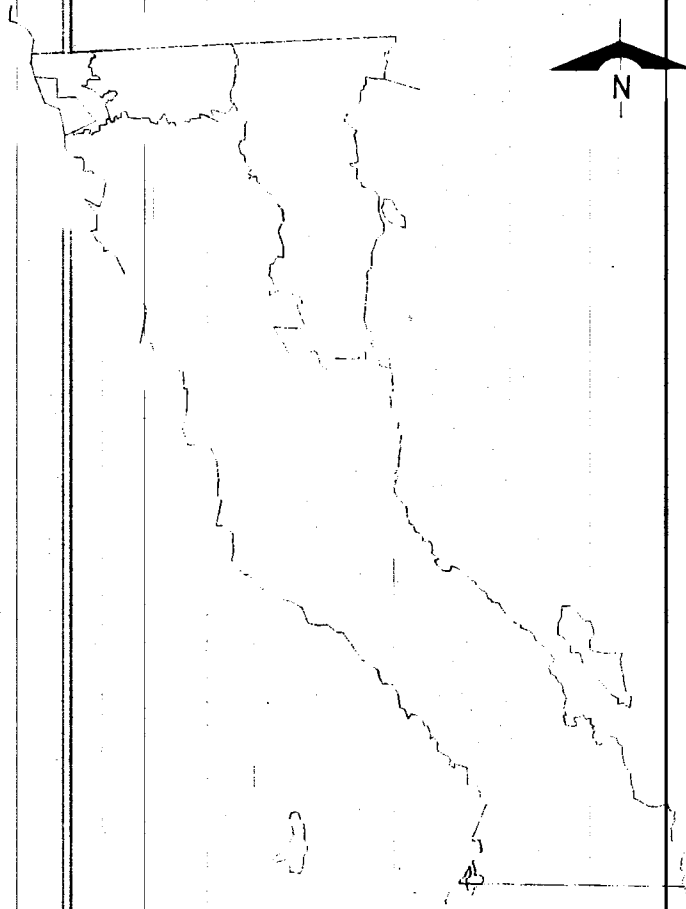
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ANEXO C

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BAJA CALIFORNIA



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv	Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X_e (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
HA02004	350.0	291.3	167.2	1.2	4.3	0.48	309.0	228.0	178.0	129.0	67.0	19.0	6.7	144.9	16.0
HA02006	143.3	113.1	90.5	2.2	8.8	0.63	76.6	0.0	0.0	0.0	0.0	0.0	1.5	72.1	2.1
HA02008	199.9	178.0	108.7	1.3	5.9	0.54	164.0	109.0	59.0	0.0	0.0	0.0	5.2	64.8	9.6
HA02009	83.8	70.9	32.6	0.7	3.2	0.39	71.0	59.0	53.0	47.0	39.0	32.0	22.8	34.1	82.4
HA02010	164.1	156.5	62.8	0.2	2.7	0.38	146.0	108.0	94.0	81.0	65.0	52.0	10.5	74.0	29.7
HA02011	84.7	67.3	40.9	1.0	3.4	0.48	70.0	54.0	44.0	34.0	22.0	13.0	8.6	32.4	23.1
HA02012	124.0	116.7	41.2	0.5	2.7	0.33	113.0	90.0	77.0	64.0	48.0	37.0	8.4	67.1	17.1
HA02014	350.5	306.5	203.7	1.4	5.1	0.58	298.0	199.0	135.0	69.0	0.0	0.0	6.4	93.5	15.5
HA02016	125.7	126.1	51.6	1.1	5.6	0.41	102.0	76.0	46.0	1.0	0.0	0.0	5.2	51.7	9.0
HA02017	231.7	208.5	84.7	1.8	8.3	0.37	215.0	171.0	141.0	109.0	60.0	12.0	4.6	138.5	10.5
HA02019	317.4	273.0	145.3	0.2	2.8	0.46	275.0	177.0	123.0	73.0	9.0	0.0	7.1	105.8	12.6
HA02022	159.6	137.4	77.4	1.8	7.1	0.49	132.0	99.0	74.0	34.0	0.0	0.0	4.1	72.8	10.2
HA02023	165.6	128.7	119.5	3.2	17.0	0.72	119.0	86.0	44.0	0.0	0.0	0.0	1.6	68.3	7.3
HA02024	314.2	271.4	173.6	1.4	5.7	0.55	263.0	191.0	142.0	89.0	3.0	0.0	6.4	120.7	13.3
HA02029	315.1	257.4	152.8	1.4	5.0	0.48	246.0	191.0	153.0	98.0	0.0	0.0	3.1	164.2	8.3
HA02031	169.7	157.0	73.8	1.4	5.5	0.43	156.0	113.0	85.0	57.0	17.0	0.0	5.6	75.0	12.8
HA02032	175.9	161.8	83.0	1.6	6.9	0.47	163.0	114.0	82.0	51.0	9.0	0.0	4.0	91.7	8.0
HA02034	110.6	105.7	39.1	0.8	3.6	0.35	100.0	77.0	63.0	49.0	29.0	12.0	8.2	52.5	17.2
HA02035	240.8	197.1	103.5	1.3	4.7	0.43	196.0	156.0	127.0	84.0	0.0	0.0	3.9	124.0	10.6
HA02036	358.4	308.5	163.4	1.3	5.3	0.46	312.0	236.0	187.0	135.0	53.0	0.0	5.3	169.0	12.8
HA02037	80.5	68.9	37.4	1.7	7.2	0.46	68.0	53.0	43.0	30.0	3.0	0.0	4.3	40.0	11.7
HA02039	129.8	106.2	68.0	2.3	8.8	0.52	115.0	90.0	74.0	58.0	37.0	20.0	4.0	71.5	11.2
HA02040	132.4	109.8	57.4	1.3	4.6	0.43	113.0	95.0	84.0	73.0	59.0	49.0	4.5	76.5	16.1
HA02041	136.9	131.0	54.0	1.5	7.7	0.39	129.0	100.0	79.0	54.0	8.0	0.0	12.1	44.5	24.9
HA02042	146.6	134.8	43.2	0.2	3.2	0.29	134.0	112.0	100.0	89.0	75.0	65.0	19.9	74.6	51.9
HA02043	131.2	123.6	58.9	1.0	4.5	0.45	112.0	77.0	55.0	8.0	0.0	0.0	6.1	46.2	11.5
HA02044	138.3	126.0	58.4	1.9	8.6	0.42	121.0	96.0	78.0	53.0	0.0	0.0	5.5	65.7	14.5
HA02045	330.0	280.3	161.0	1.4	5.1	0.49	277.0	214.0	173.0	130.0	61.0	0.0	5.4	145.3	15.8
HA02047	123.3	97.3	51.5	1.5	5.6	0.42	96.0	91.0	88.0	85.0	80.0	70.0	1.5	87.0	13.6
HA02048	182.0	158.8	72.4	1.4	6.4	0.40	154.0	123.0	102.0	78.0	28.0	0.0	4.1	101.9	10.1
HA02049	365.7	329.6	197.6	1.2	4.4	0.54	357.0	277.0	225.0	175.0	112.0	64.0	15.1	122.6	42.7
HA02054	265.8	227.5	134.1	1.3	5.6	0.50	241.0	162.0	106.0	45.0	0.0	0.0	5.8	103.3	10.3

Tabla C.1. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Baja California.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
X_a (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min	
HA02055	219.4	176.0	115.4	1.9	7.5	0.53	170.0	134.0	105.0	58.0	0.0	0.0	5.2	78.2	15.7
HA02056	223.4	185.5	117.2	1.9	7.7	0.52	188.0	133.0	95.0	50.0	0.0	0.0	4.0	89.7	10.9
HA02057	272.0	253.3	125.4	0.6	2.6	0.46	287.0	158.0	145.0	131.0	110.0	85.0	4.9	115.0	40.9
HA02058	151.3	135.5	91.1	2.9	14.5	0.60	133.0	98.0	71.0	36.0	0.0	0.0	4.7	50.8	15.5
HA02060	307.3	266.0	168.9	1.1	5.1	0.55	280.0	175.0	107.0	39.0	0.0	0.0	6.4	77.4	13.5
HA02061	176.3	156.0	52.3	1.4	6.2	0.30	137.8	91.6	61.0	31.7	0.0	0.0	2.2	107.9	3.5
HA02063	204.8	190.7	78.8	1.6	6.9	0.38	181.0	144.0	117.0	84.0	18.0	0.0	4.3	112.7	11.1
HA02064	272.0	210.9	161.8	1.3	4.5	0.59	206.0	158.0	128.0	97.0	48.0	0.0	4.2	107.0	16.3
HA02065	253.4	219.7	135.5	1.7	6.6	0.53	220.0	153.0	109.0	62.0	0.0	0.0	4.2	101.6	11.1
HA02066	369.0	348.4	227.9	1.2	4.5	0.62	305.0	156.0	92.0	0.0	0.0	0.0	2.8	113.6	8.4
HA02067	364.5	314.5	217.2	1.1	4.8	0.60	326.0	208.0	134.0	62.0	0.0	0.0	5.5	124.5	10.9
HA02068	221.2	212.4	81.6	0.7	3.3	0.37	207.0	156.0	124.0	91.0	47.0	11.0	8.6	98.0	17.3
HA02071	229.4	204.9	101.9	1.4	5.7	0.44	209.0	155.0	118.0	81.0	26.0	0.0	5.5	105.8	12.7
HA02084	203.2	174.3	132.7	2.4	11.4	0.65	163.0	118.0	85.0	41.0	0.0	0.0	2.4	100.5	7.3
HA02085	179.3	171.5	56.4	1.4	7.4	0.31	171.0	142.0	123.0	105.0	81.0	63.0	6.3	115.0	13.5
HA02086	264.1	230.7	111.0	1.1	4.2	0.42	237.0	187.0	155.0	123.0	73.0	27.0	5.6	146.0	12.3
HA02088	315.9	306.8	131.3	0.7	3.4	0.42	309.0	192.0	175.0	154.0	96.0	27.0	3.3	165.6	14.0
HA02089	208.5	174.0	115.0	1.3	6.6	0.55	187.0	118.0	73.0	29.0	0.0	0.0	4.7	83.5	8.5
HA02090	216.6	208.1	80.4	0.0	5.1	0.37	217.0	182.0	142.0	88.0	16.0	0.0	16.2	77.0	23.0
HA02092	198.7	159.4	88.4	0.7	3.4	0.44	160.0	126.0	109.0	92.0	66.0	43.0	4.8	101.2	13.7
HA02093	299.3	291.4	110.0	0.6	3.8	0.37	284.0	213.0	168.0	127.0	73.0	33.0	9.2	137.0	16.8
HA02095	273.5	251.6	167.5	0.9	4.1	0.61	239.0	141.0	82.0	25.0	0.0	0.0	5.3	81.0	10.1
HA02096	290.8	283.7	132.0	1.4	6.8	0.45	207.0	180.0	161.0	99.0	0.0	0.0	2.2	153.0	11.8
HA02101	116.1	120.0	43.2	-0.7	4.3	0.37	102.0	75.0	66.0	55.0	36.0	13.0	3.0	68.2	8.3
HA02102	120.2	122.0	34.4	-0.2	3.1	0.29	123.0	89.0	73.0	59.0	41.0	27.0	9.6	63.3	16.1
HA02104	245.2	221.8	124.0	0.7	3.9	0.51	214.0	154.0	118.0	84.0	40.0	8.0	11.3	70.5	26.3
HA02108	302.4	302.0	145.5	0.6	4.8	0.48	279.0	196.0	144.0	96.0	33.0	0.0	10.7	88.0	22.4
HA02109	145.4	121.8	73.9	1.2	6.3	0.51	123.0	91.0	71.0	52.0	25.0	2.0	5.0	67.0	11.7
HA02110	175.7	143.1	105.2	2.1	9.0	0.60	145.0	116.0	97.0	79.0	56.0	39.0	9.7	57.5	47.6
HA02111	214.7	189.1	105.9	2.0	9.1	0.49	150.0	132.0	101.0	11.0	0.0	0.0	1.8	130.0	5.6
HA02121	368.0	359.0	179.3	0.9	4.2	0.49	320.0	236.0	185.0	136.0	73.0	24.0	6.5	162.8	13.7

Tabla C.1. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Baja California.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA02004	206.2	267.4	328.7	390.0	451.2	512.5	573.8	635.1	696.3	757.6	11.5	23.0	23.0	19.2	3.8	0.0	7.6	0.0	3.8	7.6
HA02006	107.6	143.0	178.5	213.9	249.4	284.8	320.2	355.7	391.1	426.6	46.4	17.8	14.2	7.1	7.1	0.0	0.0	0.0	0.0	7.1
HA02008	108.0	151.1	194.3	237.4	280.6	323.7	366.9	410.0	453.1	496.3	11.1	33.3	11.1	16.6	11.1	0.0	11.1	0.0	0.0	5.5
HA02009	45.8	57.6	69.3	81.0	92.8	104.5	116.2	127.9	139.7	151.4	5.0	15.0	20.0	20.0	5.0	5.0	15.0	0.0	10.0	5.0
HA02010	93.1	112.3	131.4	150.5	169.7	188.8	207.9	227.0	246.2	265.3	14.2	7.1	21.4	7.1	0.0	14.2	7.1	0.0	21.4	7.1
HA02011	45.7	58.9	72.2	85.4	98.7	112.0	125.2	138.5	151.7	165.0	5.0	25.0	30.0	5.0	10.0	0.0	5.0	5.0	0.0	15.0
HA02012	80.1	93.2	106.2	119.2	132.3	145.3	158.3	171.3	184.4	197.4	16.6	5.5	22.2	11.1	11.1	0.0	5.5	11.1	5.5	11.1
HA02014	176.4	259.2	342.1	424.9	507.8	590.6	673.5	756.3	839.2	922.0	17.8	14.2	32.1	10.7	7.1	3.5	3.5	3.5	3.5	3.5
HA02016	75.1	98.6	122.0	145.5	168.9	192.3	215.8	239.2	262.7	286.1	10.7	25.0	10.7	25.0	10.7	14.2	3.5	3.5	3.5	3.5
HA02017	174.6	210.8	246.9	283.0	319.2	355.3	391.4	427.5	463.7	499.8	20.0	30.0	20.0	10.0	10.0	5.0	0.0	0.0	0.0	5.0
HA02019	148.5	191.2	234.0	276.7	319.4	362.1	404.8	447.6	490.3	533.0	15.3	7.6	7.6	23.0	7.6	0.0	7.6	0.0	7.6	23.0
HA02022	106.3	139.9	173.4	206.9	240.5	274.0	307.5	341.0	374.5	408.1	25.0	25.0	16.6	16.6	8.3	0.0	0.0	2.7	0.0	5.5
HA02023	132.2	196.1	260.0	323.9	387.8	451.8	515.7	579.6	643.5	707.4	51.5	24.2	12.1	6.0	3.0	0.0	0.0	0.0	0.0	3.0
HA02024	173.4	226.0	278.7	331.3	384.0	436.7	489.3	542.0	594.6	647.3	9.0	27.2	18.1	27.2	0.0	0.0	0.0	0.0	0.0	3.0
HA02029	216.9	269.5	322.2	374.8	427.5	480.2	532.8	585.5	638.1	690.8	35.0	20.0	10.0	15.0	5.0	0.0	5.0	0.0	0.0	10.0
HA02031	108.7	142.4	176.1	209.8	243.5	277.2	310.9	344.6	378.3	412.0	23.0	20.5	20.5	15.3	5.1	7.6	0.0	5.1	0.0	2.5
HA02032	124.8	157.9	191.0	224.1	257.2	290.3	323.4	356.5	389.6	422.7	35.0	10.0	25.0	10.0	5.0	5.0	5.0	0.0	0.0	5.0
HA02034	67.5	82.5	97.5	112.5	127.5	142.5	157.5	172.5	187.5	202.5	7.1	21.4	14.2	21.4	3.5	7.1	17.8	0.0	0.0	7.1
HA02035	165.6	207.1	248.7	290.3	331.9	373.4	415.0	456.6	498.1	539.7	21.4	30.9	11.9	11.9	7.1	4.7	4.7	0.0	2.3	4.7
HA02036	232.2	295.4	358.6	421.8	485.0	548.2	611.4	674.6	737.8	801.0	23.8	19.0	28.5	0.0	9.5	4.7	4.7	0.0	4.7	4.7
HA02037	55.2	70.3	85.5	100.6	115.8	130.9	146.1	161.2	176.4	191.5	31.5	21.0	15.7	10.5	10.5	0.0	5.2	0.0	0.0	5.2
HA02039	95.7	119.9	144.1	168.3	192.5	216.7	240.9	265.1	289.3	313.5	26.3	36.8	21.0	5.2	0.0	0.0	0.0	0.0	0.0	10.5
HA02040	96.4	116.3	136.2	156.1	176.0	195.9	215.8	235.7	255.6	275.5	30.0	25.0	20.0	0.0	0.0	5.0	10.0	0.0	5.0	5.0
HA02041	72.3	100.0	127.8	155.6	183.4	211.1	238.9	266.7	294.4	322.2	6.8	17.2	17.2	34.4	10.3	6.8	3.4	0.0	0.0	3.4
HA02042	89.2	103.8	118.4	133.0	147.6	162.1	176.7	191.3	205.9	220.5	7.1	7.1	14.2	14.2	14.2	0.0	14.2	7.1	14.2	7.1
HA02043	72.6	99.0	125.3	151.7	178.1	204.5	230.9	257.2	283.6	310.0	9.0	30.3	12.1	15.1	9.0	15.1	3.0	3.0	0.0	3.0
HA02044	93.8	121.9	149.9	178.0	206.1	234.2	262.3	290.3	318.4	346.5	17.8	17.8	35.7	10.7	7.1	7.1	0.0	0.0	0.0	3.5
HA02045	209.6	273.8	338.1	402.4	466.6	530.9	595.2	659.5	723.7	788.0	17.8	28.5	25.0	3.5	7.1	0.0	10.7	0.0	3.5	3.5
HA02047	101.1	115.2	129.3	143.4	157.5	171.6	185.7	199.8	213.9	228.0	66.6	0.0	8.3	0.0	8.3	0.0	0.0	0.0	0.0	16.6
HA02048	128.3	154.8	181.2	207.6	234.1	260.5	286.9	313.3	339.8	366.2	21.4	28.5	7.1	21.4	0.0	7.1	7.1	0.0	0.0	7.1
HA02049	195.4	268.3	341.1	414.0	486.8	559.6	632.5	705.3	778.2	851.0	20.0	16.6	16.6	20.0	10.0	3.3	0.0	0.0	6.6	6.6
HA02054	149.5	195.6	241.8	288.0	334.2	380.3	426.5	472.7	518.8	565.0	13.3	20.0	20.0	20.0	6.6	6.6	0.0	0.0	0.0	13.3

Tabla C.2. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Baja California.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA02055	132.3	186.4	240.6	294.7	348.8	402.9	457.0	511.2	565.3	619.4	10.2	46.1	15.3	7.6	7.6	7.6	0.0	0.0	2.5	2.5
HA02056	146.1	202.4	258.8	315.2	371.6	427.9	484.3	540.7	597.0	653.4	27.5	32.5	15.0	10.0	7.5	0.0	2.5	2.5	0.0	2.5
HA02057	158.7	202.4	246.0	289.7	333.4	377.1	420.8	464.4	508.1	551.8	25.0	17.8	7.1	10.7	7.1	7.1	7.1	10.7	3.5	3.5
HA02058	100.6	150.5	200.3	250.1	300.0	349.8	399.6	449.4	499.3	549.1	22.8	42.8	20.0	8.5	0.0	0.0	2.8	0.0	0.0	2.8
HA02060	150.5	223.7	296.8	369.9	443.1	516.2	589.3	662.4	735.6	808.7	17.2	13.7	24.1	17.2	10.3	3.4	6.8	3.4	0.0	3.4
HA02061	132.1	156.3	180.5	204.7	228.9	253.0	277.2	301.4	325.6	349.8	19.3	32.2	9.6	19.3	3.2	12.9	0.0	0.0	0.0	3.2
HA02063	149.0	185.4	221.7	258.0	294.4	330.7	367.0	403.3	439.7	476.0	16.1	29.0	25.8	9.6	6.4	6.4	3.2	0.0	0.0	3.2
HA02064	166.3	225.5	284.8	344.1	403.4	462.6	521.9	581.2	640.4	699.7	28.0	28.0	12.0	4.0	8.0	4.0	4.0	4.0	4.0	4.0
HA02065	164.9	228.2	291.5	354.8	418.1	481.4	544.7	608.0	671.3	734.6	23.8	33.3	19.0	7.1	4.7	4.7	2.3	2.3	0.0	2.3
HA02066	197.4	281.2	365.0	448.8	532.6	616.4	700.2	784.0	867.8	951.6	25.0	12.5	25.0	16.6	0.0	4.1	4.1	0.0	8.3	4.1
HA02067	198.4	272.4	346.3	420.2	494.2	568.1	642.0	715.9	789.9	863.8	26.6	13.3	13.3	20.0	6.6	0.0	6.6	0.0	6.6	6.6
HA02068	130.8	163.6	196.4	229.2	262.0	294.8	327.6	360.4	393.2	426.0	13.5	13.5	16.2	21.6	13.5	2.7	2.7	10.8	2.7	2.7
HA02071	149.9	194.0	238.2	282.3	326.4	370.5	414.6	458.8	502.9	547.0	18.7	25.0	15.6	21.8	3.1	6.2	3.1	0.0	3.1	3.1
HA02084	153.1	205.6	258.2	310.7	363.3	415.8	468.4	520.9	573.5	626.0	43.7	31.2	6.2	6.2	0.0	0.0	0.0	0.0	0.0	6.2
HA02085	135.4	155.8	176.3	196.7	217.1	237.5	257.9	278.4	298.8	319.2	25.0	0.0	25.0	25.0	8.3	8.3	0.0	0.0	0.0	8.3
HA02086	181.9	217.8	253.7	289.6	325.4	361.3	397.2	433.1	469.0	504.9	23.5	17.6	11.7	17.6	11.7	0.0	0.0	0.0	11.7	5.8
HA02088	203.6	241.5	279.5	317.4	355.4	393.4	431.3	469.3	507.2	545.2	26.6	13.3	0.0	26.6	6.6	0.0	6.6	0.0	0.0	20.0
HA02089	122.5	161.5	200.5	239.5	278.5	317.5	356.5	395.5	434.5	473.5	27.2	9.0	8.1	18.1	9.0	0.0	9.0	0.0	0.0	9.0
HA02090	105.0	132.9	160.9	188.8	216.8	244.7	272.7	300.6	328.6	356.5	10.0	10.0	0.0	10.0	30.0	10.0	0.0	20.0	0.0	10.0
HA02092	127.0	152.8	178.6	204.4	230.2	255.9	281.7	307.5	333.3	359.1	30.7	7.6	15.3	7.6	7.6	7.6	0.0	0.0	15.3	7.6
HA02093	173.3	209.5	245.8	282.0	318.3	354.6	390.8	427.1	463.3	499.6	14.2	7.1	4.2	7.1	21.4	7.1	7.1	7.1	0.0	14.2
HA02095	136.8	192.6	248.5	304.3	360.1	415.9	471.7	527.6	583.4	639.2	25.0	18.7	6.2	18.7	6.2	6.2	6.2	0.0	6.2	6.2
HA02096	200.3	247.5	294.8	342.0	389.3	436.6	483.8	531.1	578.3	625.6	38.4	7.6	7.6	15.3	15.3	7.6	0.0	0.0	0.0	7.6
HA02101	82.4	96.7	110.9	125.1	139.4	153.6	167.8	182.0	196.3	210.5	30.7	15.3	0.0	7.6	15.3	23.0	0.0	0.0	0.0	7.6
HA02102	74.2	85.0	95.9	106.8	117.7	128.5	139.4	150.3	161.1	172.0	7.1	14.2	7.1	0.0	21.4	7.1	7.1	14.2	7.1	14.2
HA02104	111.3	152.0	192.8	233.5	274.3	315.1	355.8	396.6	437.3	478.1	7.1	14.2	4.2	21.4	14.2	0.0	7.1	7.1	0.0	14.2
HA02108	139.5	190.9	242.4	293.9	345.4	396.8	448.3	499.8	551.2	602.7	8.3	16.6	8.3	8.3	33.3	0.0	8.3	8.3	0.0	8.3
HA02109	90.9	114.8	138.7	162.6	186.5	210.4	234.3	258.2	282.1	306.0	20.0	30.0	0.0	10.0	0.0	10.0	10.0	0.0	0.0	10.0
HA02110	97.7	137.8	178.0	218.2	258.4	298.5	338.7	378.9	419.0	459.2	7.6	30.7	16.1	0.0	0.0	0.0	7.6	0.0	0.0	7.6
HA02111	166.7	203.3	240.0	276.6	313.3	350.0	386.6	423.3	459.9	496.6	41.6	25.0	8.3	8.3	0.0	8.3	0.0	0.0	0.0	8.3
HA02121	215.6	268.5	321.3	374.1	426.9	479.8	532.6	585.4	638.3	691.1	18.1	27.2	0.0	27.2	0.0	0.0	9.0	0.0	0.0	18.1

Tabla C.2. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Baja California.

Estación	Características promedio de la sequía meteorológica										Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad PerS(años)	DesvStd PerS(años)	Duración DS(años)	DesvStd DS(años)	Severidad SS(mm)	DesvStd SS(mm)	Intensidad IS(mm/año)	% de IS respecto a X _s	lluvia disponible Hp disp S(mm)			
HA02004	5.5	2.0	2.9	2.0	327.8	270.1	113.0	32.0	236.9	4.5	MUY CRITICA	
HA02006	4.0	2.7	2.5	2.0	122.4	96.7	48.9	34.0	94.3	1.7	MUY CRITICA	
HA02008	5.3	1.2	2.5	2.0	182.9	217.6	73.1	36.0	126.7	2.4	MUY CRITICA	
HA02009	3.7	0.4	2.0	0.8	45.4	29.1	22.7	27.0	61.0	4.2	MUY VASTA	
HA02010	3.3	1.2	1.7	0.8	95.6	71.6	56.2	34.0	107.8	5.1	CRITICA	
HA02011	3.3	0.4	2.1	0.3	55.2	16.2	26.2	30.0	58.5	3.6	MUY VASTA	
HA02012	5.0	2.0	3.6	1.2	103.5	40.4	28.7	23.0	95.3	3.9	EXTREMADAMENTE VASTA	
HA02014	3.9	1.2	2.5	1.5	301.7	198.6	120.6	34.0	229.9	3.6	MUY CRITICA	
HA02016	5.3	1.2	3.5	2.5	137.5	113.2	39.2	31.0	86.4	3.4	CATASTROFICA	
HA02017	6.0	4.3	2.7	2.4	146.9	137.4	54.4	23.0	177.2	4.3	MUY VASTA	
HA02019	5.5	0.5	2.6	1.2	268.2	156.7	103.1	32.0	214.3	3.3	MUY CRITICA	
HA02022	7.0	4.6	3.8	4.0	165.5	216.5	43.5	27.0	116.0	3.0	EXTREMADAMENTE VASTA	
HA02023	4.8	1.2	3.0	1.5	175.5	102.6	58.5	35.0	107.1	2.8	CATASTROFICA	
HA02024	9.0	0.5	4.0	3.0	331.8	319.3	82.9	26.0	231.3	2.9	CATASTROFICA	
HA02029	4.7	1.9	2.6	2.3	229.9	235.0	88.4	28.0	226.6	2.6	MUY VASTA	
HA02031	5.2	3.5	2.8	2.8	133.7	111.7	47.7	28.0	121.9	4.1	MUY VASTA	
HA02032	5.6	4.4	2.7	2.4	148.2	193.5	54.8	31.0	121.1	4.3	MUY CRITICA	
HA02034	3.8	3.2	2.5	3.0	62.8	77.0	25.1	22.0	85.5	3.4	MUY VASTA	
HA02035	5.1	4.7	3.2	2.7	211.2	200.8	66.0	27.0	174.8	3.1	EXTREMADAMENTE VASTA	
HA02036	3.7	2.2	2.5	2.1	210.4	217.8	84.1	23.0	274.3	3.0	MUY VASTA	
HA02037	5.3	4.0	3.2	2.2	66.0	36.8	20.6	25.0	59.9	3.1	EXTREMADAMENTE VASTA	
HA02039	5.3	0.4	3.2	1.0	100.7	30.9	31.4	24.0	98.4	3.6	EXTREMADAMENTE VASTA	
HA02040	5.0	2.1	3.5	1.8	112.3	52.4	32.0	24.0	100.4	3.6	EXTREMADAMENTE VASTA	
HA02041	5.3	2.4	3.0	1.9	87.9	66.1	29.2	21.0	107.7	3.8	EXTREMADAMENTE VASTA	
HA02042	2.0	0.5	2.6	2.3	84.8	88.0	32.6	22.0	113.9	4.4	MUY VASTA	
HA02043	4.5	1.9	2.2	1.7	95.5	92.0	43.4	33.0	87.7	2.5	MUY CRITICA	
HA02044	4.3	2.2	2.7	2.2	82.4	86.1	30.5	22.0	107.8	3.2	MUY VASTA	
HA02045	4.5	2.7	2.8	2.7	242.4	291.8	86.5	26.0	243.4	3.1	MUY VASTA	
HA02047	3.5	1.5	2.6	1.6	80.1	59.6	30.8	24.0	92.4	3.9	MUY VASTA	
HA02048	5.5	1.5	2.6	1.2	126.1	82.0	48.5	26.0	133.4	3.5	MUY VASTA	
HA02049	4.6	2.9	2.4	2.1	312.0	315.7	130.0	35.0	235.6	8.6	MUY CRITICA	
HA02054	3.6	2.3	2.2	2.1	181.8	217.5	82.6	31.0	183.1	3.8	MUY CRITICA	

Tabla C.3. Características de la sequía promedio de cada estación climatológica del estado de Baja California.

Estación	Características promedio de la sequía meteorológica										Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	Huvia disponible	Hp disp S(mm)		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año) respecto a Xc	Hp disp S(mm)	Hp disp S(mm)			
HA02055	5.0	2.7	3.1	2.9	206.0	243.2	66.4	30.0	153.0	3.0	EXTREMADAMENTE VASTA	
HA02056	6.3	3.4	3.7	3.6	242.2	271.9	65.4	29.0	158.0	3.2	EXTREMADAMENTE VASTA	
HA02057	4.0	2.2	2.4	1.8	250.1	163.2	104.2	38.0	167.7	3.4	MUY CRITICA	
HA02058	5.0	2.9	3.4	3.0	136.5	188.5	40.1	26.0	111.2	3.5	EXTREMADAMENTE VASTA	
HA02060	5.3	2.2	3.0	2.4	304.0	313.3	101.3	32.0	205.9	3.7	CATASTROFICA	
HA02061	4.4	2.2	2.8	2.1	103.2	65.5	36.8	20.0	139.5	1.9	MUY SEVERA	
HA02063	5.3	2.0	3.5	2.2	150.1	140.0	42.8	20.0	162.0	3.1	EXTREMADAMENTE SEVERA	
HA02064	5.0	3.5	3.4	3.4	321.1	412.3	94.4	34.0	177.6	3.3	CATASTROFICA	
HA02065	5.8	2.9	3.3	3.1	255.6	229.7	77.4	30.0	175.9	3.6	EXTREMADAMENTE VASTA	
HA02066	5.0	3.5	3.2	2.9	388.3	471.4	121.3	32.0	247.7	2.2	CATASTROFICA	
HA02067	4.6	2.4	2.5	2.5	306.5	398.6	122.5	33.0	241.9	3.7	MUY CRITICA	
HA02068	4.5	2.1	2.3	1.5	131.0	104.5	56.9	25.0	164.2	4.3	MUY VASTA	
HA02071	5.1	2.7	2.7	1.9	169.8	166.8	62.8	27.0	166.6	4.0	MUY VASTA	
HA02084	5.5	2.5	4.0	1.4	229.7	80.6	57.4	28.0	145.8	2.7	MUY VASTA	
HA02085	2.6	0.9	1.5	0.8	58.4	27.4	38.9	21.0	140.3	5.3	VASTA	
HA02086	4.6	0.9	2.5	0.8	179.2	91.6	71.6	27.0	192.4	4.5	MUY VASTA	
HA02088	3.5	1.5	1.5	1.2	150.1	80.1	100.0	31.0	215.8	2.6	CRITICA	
HA02089	3.3	0.4	1.5	0.5	115.6	75.7	77.0	36.0	131.4	4.1	CRITICA	
HA02090	3.5	0.5	2.0	0.5	98.0	90.1	49.0	22.0	167.5	6.7	MUY VASTA	
HA02092	3.0	0.5	2.0	0.7	119.1	35.7	59.5	29.0	139.2	3.1	MUY VASTA	
HA02093	5.0	2.0	3.0	1.4	196.2	145.8	65.4	21.0	233.9	3.7	EXTREMADAMENTE VASTA	
HA02095	3.3	0.4	2.5	2.0	260.9	226.6	104.3	38.0	169.2	3.7	MUY CRITICA	
HA02096	3.3	0.4	1.7	0.8	162.8	70.1	95.7	32.0	195.1	2.6	CRITICA	
HA02101	3.0	1.4	1.5	0.8	58.4	31.7	38.9	33.0	77.1	4.3	CRITICA	
HA02102	4.0	1.0	2.3	1.2	65.5	33.3	28.4	23.0	91.7	4.6	MUY VASTA	
HA02104	3.0	0.7	2.0	0.6	131.6	104.2	65.8	26.0	179.3	3.2	MUY VASTA	
HA02108	3.6	0.4	1.7	0.8	157.1	36.9	92.4	30.0	210.0	4.2	VASTA	
HA02109	3.5	1.5	2.3	1.2	93.0	36.8	40.4	27.0	105.0	3.2	MUY VASTA	
HA02110	3.5	1.5	3.6	2.0	146.8	84.3	40.7	23.0	134.9	2.6	EXTREMADAMENTE VASTA	
HA02111	3.5	0.5	2.6	1.6	149.1	67.6	57.3	26.0	157.4	1.9	MUY VASTA	
HA02121	2.5	0.5	2.6	2.3	251.4	185.7	96.6	26.0	271.3	3.2	MUY VASTA	

Tabla C.3. Características de la sequía promedio de cada estación climatológica del estado de Baja California.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_0	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_0	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA02004	840.9	7.0	120.1	34.0	120.1	7.0	34.0	20.0	40.0	20.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
HA02006	338.1	7.0	48.3	33.0	69.3	1.0	48.0	42.8	28.5	0.0	14.2	0.0	0.0	14.2	0.0	0.0	0.0
HA02008	557.0	6.0	92.8	46.0	92.8	6.0	46.0	50.0	25.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
HA02009	91.4	3.0	30.4	36.0	30.4	3.0	36.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA02010	207.4	3.0	69.1	42.0	69.1	3.0	42.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA02011	71.9	3.0	23.9	28.0	35.0	2.0	41.0	0.0	83.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA02012	152.4	5.0	30.4	24.0	30.4	5.0	24.0	0.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0
HA02014	557.6	4.0	139.4	39.0	257.0	1.0	73.0	42.8	14.2	0.0	28.5	14.2	0.0	0.0	0.0	0.0	0.0
HA02016	278.9	6.0	46.4	36.0	46.4	6.0	36.0	50.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0
HA02017	357.8	7.0	51.1	22.0	90.1	2.0	38.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0
HA02019	433.1	4.0	108.2	34.0	108.2	4.0	34.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA02022	624.9	12.0	52.0	32.0	52.0	12.0	32.0	50.0	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA02023	375.1	6.0	62.5	37.0	85.7	3.0	51.0	14.2	28.5	28.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0
HA02024	651.1	7.0	93.0	29.0	93.0	7.0	29.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0
HA02029	692.6	7.0	98.9	31.0	138.0	1.0	43.0	60.0	0.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
HA02031	391.5	9.0	43.5	25.0	94.6	1.0	55.0	50.0	25.0	0.0	0.0	0.0	12.5	0.0	0.0	12.5	0.0
HA02032	482.2	7.0	68.8	39.0	68.8	7.0	39.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0
HA02034	236.5	10.0	23.6	21.0	49.2	2.0	44.0	57.1	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2
HA02035	524.8	6.0	87.4	36.0	94.1	2.0	39.0	50.0	12.5	0.0	0.0	0.0	25.0	0.0	12.5	0.0	0.0
HA02036	678.6	7.0	96.9	27.0	111.4	2.0	31.0	50.0	16.6	16.6	0.0	0.0	0.0	0.0	16.6	0.0	0.0
HA02037	114.7	7.0	16.3	20.0	31.3	2.0	38.0	25.0	25.0	25.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0
HA02039	153.2	5.0	30.6	23.0	37.8	2.0	29.0	0.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA02040	188.4	6.0	31.4	23.0	42.3	1.0	31.0	25.0	0.0	25.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0
HA02041	157.1	4.0	39.2	28.0	73.9	2.0	53.0	16.6	50.0	0.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0
HA02042	208.8	6.0	34.8	23.0	34.8	6.0	23.0	66.6	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0
HA02043	282.1	6.0	47.0	35.0	55.6	1.0	42.0	50.0	25.0	0.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0
HA02044	271.2	8.0	33.9	24.0	49.8	1.0	36.0	28.5	42.8	14.2	0.0	0.0	0.0	0.0	14.2	0.0	0.0
HA02045	885.0	9.0	98.3	29.0	100.3	3.0	30.0	57.1	0.0	14.2	14.2	0.0	0.0	0.0	0.0	14.2	0.0
HA02047	163.2	5.0	32.6	26.0	32.6	5.0	26.0	33.3	33.3	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0
HA02048	214.6	4.0	53.6	29.0	53.6	4.0	29.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA02049	1047.6	7.0	149.6	40.0	232.6	1.0	63.0	57.1	14.2	0.0	14.2	0.0	0.0	14.2	0.0	0.0	0.0
HA02054	558.0	6.0	93.0	34.0	93.0	6.0	34.0	75.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0

Tabla C.4. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Baja California.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I'	Intensidad	Duración / máx	% de $I_{máx}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I'(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{I_{máx}}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA02055	814.3	10.0	81.4	37.0	93.9	1.0	42.0	50.0	12.5	0.0	12.5	12.5	0.0	0.0	0.0	0.0	12.5
HA02056	757.3	10.0	75.7	33.0	88.8	2.0	39.0	42.8	28.5	0.0	0.0	0.0	0.0	0.0	0.0	14.2	14.2
HA02057	501.6	4.0	125.4	46.0	126.7	2.0	46.0	50.0	16.6	0.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0
HA02058	563.2	10.0	56.3	37.0	56.3	10.0	37.0	42.8	14.2	0.0	14.2	14.2	0.0	0.0	0.0	0.0	14.2
HA02060	755.9	4.0	188.9	61.0	188.9	4.0	61.0	33.3	33.3	0.0	16.6	0.0	0.0	0.0	16.6	0.0	0.0
HA02061	230.3	7.0	32.9	18.0	62.3	1.0	35.0	33.3	33.3	0.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0
HA02063	447.2	8.0	55.9	27.0	55.9	8.0	27.0	16.6	16.6	33.3	16.6	0.0	0.0	0.0	16.6	0.0	0.0
HA02064	1112.3	10.0	111.2	40.0	111.2	10.0	40.0	60.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	20.0
HA02065	705.4	10.0	70.5	27.0	130.8	1.0	51.0	37.5	25.0	12.5	0.0	0.0	0.0	12.5	0.0	0.0	12.5
HA02066	1286.2	9.0	142.9	38.0	200.9	2.0	54.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0
HA02067	988.0	7.0	141.1	38.0	180.9	1.0	49.0	75.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0
HA02068	368.9	6.0	61.4	27.0	119.0	1.0	53.0	33.3	44.4	0.0	11.1	0.0	11.1	0.0	0.0	0.0	0.0
HA02071	482.2	6.0	80.3	35.0	80.3	6.0	35.0	42.8	14.2	14.2	0.0	14.2	14.2	0.0	0.0	0.0	0.0
HA02084	289.3	5.0	57.8	28.0	57.8	2.0	28.0	0.0	33.3	0.0	0.0	66.6	0.0	0.0	0.0	0.0	0.0
HA02085	94.3	3.0	31.4	17.0	64.2	1.0	35.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA02086	305.5	3.0	101.8	38.0	101.8	3.0	38.0	25.0	0.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA02088	309.6	4.0	77.4	24.0	117.9	1.0	37.0	80.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA02089	244.9	2.0	122.4	58.0	122.4	2.0	58.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA02090	225.1	2.0	112.5	51.0	112.5	2.0	51.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA02092	168.5	3.0	56.1	28.0	92.6	1.0	46.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA02093	400.2	4.0	100.0	33.0	100.0	4.0	33.0	33.3	0.0	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0
HA02095	621.0	6.0	103.5	37.0	141.8	2.0	51.0	50.0	25.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
HA02096	262.1	2.0	131.0	45.0	131.0	2.0	45.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA02101	112.1	3.0	37.3	32.0	47.8	1.0	41.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA02102	112.4	4.0	28.1	23.0	45.6	1.0	37.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA02104	304.1	2.0	152.1	62.0	152.1	2.0	62.0	20.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA02108	214.4	1.0	214.4	70.0	214.4	1.0	70.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA02109	128.1	4.0	32.0	22.0	54.4	2.0	37.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA02110	254.9	6.0	42.4	24.0	49.1	1.0	27.0	33.3	0.0	0.0	33.3	0.0	33.3	0.0	0.0	0.0	0.0
HA02111	236.6	5.0	47.3	22.0	71.8	1.0	33.0	33.3	33.3	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0
HA02121	514.2	6.0	85.7	23.0	120.6	1.0	32.0	66.6	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0

Tabla C.4. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Baja California.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X_o (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min	
Ensenada	209.6	178.6	76.9	1.6	5.8	0.37	176.0	150.0	130.0	99.0	23.0	0.0	2.5	134.3	8.8
Mexicali	152.9	142.7	57.3	1.2	5.1	0.38	140.0	108.0	86.0	64.0	30.0	0.0	6.4	74.6	14.6
Rosarito	243.7	227.6	93.1	1.2	5.3	0.38	226.0	176.0	143.0	108.0	54.0	4.0	9.9	98.0	24.1
Tecate	259.2	234.9	106.8	1.3	5.0	0.41	223.0	167.0	126.0	71.0	0.0	0.0	4.9	121.6	10.6
Tijuana	260.7	230.5	113.7	1.4	5.0	0.44	235.0	175.0	136.0	95.0	34.0	0.0	8.0	98.0	19.0
Estatad	210.6	182.9	69.9	1.5	5.2	0.33	185.0	155.0	135.0	112.0	71.0	27.0	3.2	138.7	8.9

Tabla C.5. Características estadísticas de la lluvia anual de cada municipio del estado de Baja California.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Ensenada	168.0	201.7	235.5	269.2	302.9	336.6	370.3	404.1	437.8	471.5	35.7	26.1	11.9	9.5	0.0	9.5	2.3	2.3	0.0	2.3
Mexicali	99.9	125.2	150.6	175.9	201.2	226.5	251.8	277.2	302.5	327.8	15.6	18.7	21.8	15.6	12.5	6.2	0.0	6.2	0.0	3.1
Rosarito	143.4	188.8	234.2	279.6	324.9	370.3	415.7	461.1	506.5	551.9	7.1	21.4	28.5	19.0	7.1	4.7	2.3	7.1	0.0	2.3
Tecate	167.4	213.3	259.1	304.9	350.7	396.6	442.4	488.2	534.1	579.9	19.0	19.0	19.0	19.0	9.5	4.7	0.0	2.3	4.7	2.3
Tijuana	148.3	198.6	248.9	299.2	349.5	399.8	450.1	500.4	550.7	601.0	9.5	19.0	28.5	21.4	7.1	2.3	2.3	0.0	7.1	2.3
Estatad	168.5	198.3	228.1	257.9	287.8	317.6	347.4	377.2	407.0	436.8	35.7	23.8	11.9	9.5	2.3	7.1	4.7	0.0	2.3	2.3

Tabla C.6. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Baja California.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años)	Tipo de	
	Periodicidad	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS	Intensidad	% de IS	lluvia disponible	para
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X_o	Hp disp	S(mm)	Hp disp	S(mm)	Meteorológica
Ensenada	4.4	2.7	2.8	2.8	122.1	160.4	43.6	20.0	165.9		2.7	MUY SEVERA	
Mexicali	5.9	4.0	2.9	2.5	115.7	98.0	39.8	26.0	113.0		4.2	MUY VASTA	
Rosarito	4.4	2.4	2.4	1.6	144.2	142.4	60.0	24.0	183.7		4.3	MUY VASTA	
Tecate	4.0	2.6	2.1	1.6	153.1	130.0	72.9	28.0	186.2		3.5	MUY VASTA	
Tijuana	5.1	2.3	2.8	2.1	194.7	186.6	69.5	26.0	191.2		3.8	MUY VASTA	
Estatad	4.6	2.3	3.1	2.5	124.7	137.7	40.2	19.0	170.3		3.0	EXTREMADAMENTE SEVERA	

Tabla C.7. Características de la sequía promedio de cada municipio del estado de Baja California.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I'	Intensidad	Duración / máx	% de $I/máx$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años	
	$S_{máx}(mm)$	$D_{máx}(años)$	$I'(mm/año)$	respecto a X_0	$I_{máx}(mm/año)$	$D_{I_{máx}}(años)$	respecto a X_0	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
Ensenada	443.6	9.0	49.2	23.0	57.1	2.0	27.0	50.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0	0.0
Mexicali	288.7	8.0	36.0	23.0	53.0	1.0	34.0	50.0	0.0	16.6	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Rosarito	504.4	6.0	84.0	34.0	90.5	0.20	37.0	30.0	50.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
Tecate	409.6	4.0	102.4	39.0	122.6	0.10	47.0	54.5	18.1	0.0	18.1	0.0	9.0	0.0	0.0	0.0	0.0	0.0
Tijuana	612.4	7.0	87.4	33.0	87.4	0.70	33.0	44.4	11.1	11.1	0.0	22.2	0.0	11.1	0.0	0.0	0.0	0.0
Estado	433.0	8.0	54.1	25.0	54.1	0.80	25.0	55.5	0.0	0.0	11.1	11.1	11.1	0.0	11.1	0.0	0.0	0.0

Tabla C.8. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Baja California.

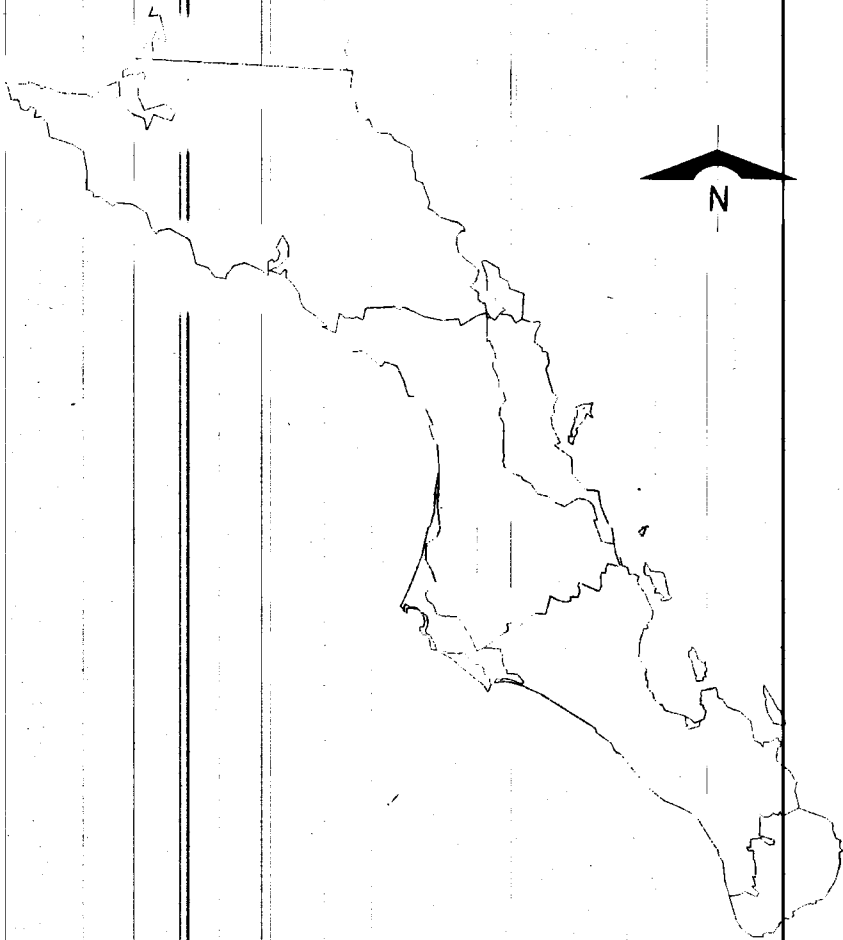
Municipio	Características máximas de la sequía meteorológica municipal										Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I'	Intensidad	Duración / máx	% de $I/máx$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años			
Ensenada	443.6	9.0	49.2	23.0	57.1	2.0	27.0	50.0	30.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0	0.0			
Mexicali	288.7	8.0	36.0	23.0	53.0	1.0	34.0	50.0	0.0	16.6	16.6	0.0	0.0	0.0	16.6	0.0	0.0			
Rosarito	504.4	6.0	84.0	34.0	90.5	0.20	37.0	30.0	50.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0			
Tecate	409.6	4.0	102.4	39.0	122.6	0.10	47.0	54.5	18.1	0.0	18.1	0.0	9.0	0.0	0.0	0.0	0.0			
Tijuana	612.4	7.0	87.4	33.0	87.4	0.70	33.0	44.4	11.1	11.1	0.0	22.2	0.0	11.1	0.0	0.0	0.0			
Estado	433.0	8.0	54.1	25.0	54.1	0.80	25.0	55.5	0.0	0.0	11.1	11.1	11.1	0.0	11.1	0.0	0.0			

Tabla C.9. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Baja California.

Municipio	Características máximas de la sequía meteorológica municipal										Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I'	Intensidad	Duración / máx	% de $I/máx$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años			
Ensenada	443.6	9.0	49.2	23.0	57.1	2.0	27.0	50.0	30.0	0.0	0.0	0.0	0.0	0.0	10.0	10.0	0.0			
Mexicali	288.7	8.0	36.0	23.0	53.0	1.0	34.0	50.0	0.0	16.6	16.6	0.0	0.0	0.0	16.6	0.0	0.0			
Rosarito	504.4	6.0	84.0	34.0	90.5	0.20	37.0	30.0	50.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0			
Tecate	409.6	4.0	102.4	39.0	122.6	0.10	47.0	54.5	18.1	0.0	18.1	0.0	9.0	0.0	0.0	0.0	0.0			
Tijuana	612.4	7.0	87.4	33.0	87.4	0.70	33.0	44.4	11.1	11.1	0.0	22.2	0.0	11.1	0.0	0.0	0.0			
Estado	433.0	8.0	54.1	25.0	54.1	0.80	25.0	55.5	0.0	0.0	11.1	11.1	11.1	0.0	11.1	0.0	0.0			

Tabla C.10. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Baja California.

BAJA CALIFORNIA SUR



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)			
	Media	Mediana	Desv	Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	lluvia mínima	Tr(años)
	X _c (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	registrada	para
HA03003	223.0	201.8	128.1	0.6	3.5	0.57	206.0	127.0	78.0	31.0	0.0	0.0	11.8	15.5	25.5
HA03004	117.8	99.0	63.4	1.7	6.4	0.54	86.0	61.0	39.0	0.0	0.0	0.0	2.4	51.0	7.2
HA03006	121.8	122.9	35.5	0.1	3.2	0.29	120.0	94.0	76.0	57.0	31.0	9.0	13.8	52.5	23.4
HA03007	408.5	359.0	185.2	0.4	2.7	0.40	372.0	275.0	220.0	167.0	98.0	45.0	18.8	105.0	45.7
HA03009	196.7	175.0	101.7	2.2	9.4	0.52	183.0	128.0	93.0	58.0	13.0	0.0	4.4	88.2	10.9
HA03010	108.7	97.6	31.6	1.2	4.9	0.29	96.0	85.0	77.0	69.0	50.0	31.0	5.8	72.0	15.7
HA03011	224.6	219.0	102.1	1.1	5.2	0.45	213.0	149.0	103.0	53.0	0.0	0.0	8.8	67.0	16.6
HA03012	210.5	191.9	86.3	1.7	8.0	0.41	176.0	127.0	84.0	18.0	0.0	0.0	3.4	100.3	7.9
HA03014	83.9	75.1	36.5	2.0	7.9	0.43	77.0	59.0	46.0	34.0	14.0	0.0	5.4	40.0	14.1
HA03015	128.7	121.5	48.8	1.4	7.4	0.38	129.0	99.0	71.0	29.0	0.0	0.0	8.1	56.0	13.3
HA03018	372.3	312.5	190.2	0.8	3.9	0.51	334.0	213.0	135.0	56.0	0.9	0.0	8.9	69.5	17.7
HA03020	186.9	170.5	85.7	1.1	5.4	0.46	151.0	120.0	85.0	16.0	0.0	0.0	9.6	50.5	14.1
HA03022	208.9	183.0	89.1	1.5	5.6	0.43	180.0	151.0	131.0	108.0	63.0	9.0	8.3	97.9	25.7
HA03023	259.2	201.0	120.6	1.2	3.9	0.47	195.0	161.0	139.0	103.0	7.0	0.0	5.9	109.2	18.4
HA03028	125.4	125.8	63.6	1.8	8.8	0.51	101.0	65.0	32.0	0.0	0.0	0.0	3.2	48.5	7.4
HA03029	132.3	119.1	63.6	1.4	5.3	0.48	124.0	85.0	60.0	36.0	4.0	0.0	6.8	46.0	14.9
HA03030	204.2	182.1	108.9	1.4	6.3	0.53	164.0	99.0	49.0	0.0	0.0	0.0	3.1	77.5	6.8
HA03031	234.1	194.0	104.8	1.7	6.5	0.45	178.0	150.0	124.0	52.0	0.0	0.0	2.6	123.5	10.1
HA03032	257.6	232.0	120.9	0.9	3.9	0.47	213.0	152.0	116.0	77.0	14.0	0.0	5.6	103.0	12.7
HA03034	107.7	83.4	78.1	2.2	9.5	0.72	82.0	49.0	24.0	0.0	0.0	0.0	4.6	12.5	12.8
HA03036	397.8	365.5	171.0	1.3	6.3	0.43	396.0	244.0	141.0	37.0	0.0	0.0	5.9	126.8	11.0
HA03037	208.9	188.6	90.6	1.6	5.9	0.43	180.0	137.0	104.0	63.0	0.0	0.0	3.5	114.0	8.2
HA03038	131.8	128.5	51.2	2.0	8.4	0.39	129.0	95.0	74.0	53.0	26.0	6.0	7.1	58.2	16.7
HA03039	174.2	146.5	77.9	1.5	7.1	0.45	141.0	110.0	80.0	20.0	0.0	0.0	2.7	93.0	7.8
HA03041	134.9	130.3	46.9	1.1	5.5	0.36	128.0	95.0	67.0	28.0	0.0	0.0	6.8	62.5	11.0
HA03042	144.3	139.1	59.7	2.0	10.1	0.41	137.0	106.0	84.0	63.0	32.0	3.0	5.0	74.6	13.8
HA03043	108.1	83.1	64.8	1.9	6.9	0.60	73.0	59.0	43.0	0.0	0.0	0.0	1.7	56.6	5.7
HA03045	152.2	142.8	41.6	0.8	4.1	0.27	138.0	117.0	105.0	86.0	50.0	21.0	9.6	88.6	18.3
HA03050	323.7	298.0	169.6	1.5	5.7	0.52	297.0	206.0	147.0	90.0	11.0	0.0	6.9	104.0	16.8
HA03051	428.6	378.7	222.8	0.7	3.0	0.52	364.0	239.0	165.0	91.0	0.0	0.0	8.2	99.5	18.5
HA03052	103.6	84.3	55.4	1.9	7.5	0.53	83.0	62.0	45.0	19.0	0.0	0.0	2.4	51.4	7.9
HA03053	262.4	236.0	126.1	1.0	4.7	0.48	223.0	145.0	91.0	24.0	0.0	0.0	5.9	77.0	11.8
HA03054	245.6	203.5	124.3	0.8	3.8	0.51	198.0	137.0	98.0	50.0	0.0	0.0	4.9	85.5	12.2
HA03055	119.8	91.5	65.4	1.4	4.7	0.55	87.0	68.0	54.0	35.0	0.0	0.0	2.2	60.0	7.7
HA03056	187.4	148.5	97.9	1.4	5.1	0.52	140.0	109.0	85.0	44.0	0.0	0.0	4.5	67.1	14.5
HA03058	317.7	296.5	159.9	0.8	3.4	0.50	261.0	161.0	97.0	20.0	0.0	0.0	4.6	101.8	9.5
HA03062	310.4	272.5	145.8	1.1	3.8	0.47	267.0	188.0	138.0	85.0	5.0	0.0	7.3	95.5	17.6
HA03063	116.0	88.0	82.5	2.5	10.3	0.71	100.0	60.0	33.0	7.0	0.0	0.0	2.6	48.8	6.6
HA03064	489.6	470.6	225.8	0.5	2.6	0.46	435.0	310.0	237.0	170.0	84.0	20.0	6.3	217.5	12.2
HA03066	177.2	151.8	77.5	1.5	5.5	0.44	149.0	120.0	100.0	75.0	20.0	0.0	5.3	86.5	14.9
HA03067	385.0	377.2	141.6	-0.2	3.0	0.37	389.0	279.0	212.0	148.0	66.0	5.0	18.4	103.0	33.1
HA03068	171.4	153.6	81.9	1.9	7.7	0.48	148.0	114.0	89.0	53.0	0.0	0.0	4.4	82.4	11.5
HA03069	139.7	107.2	81.0	1.3	4.3	0.58	107.0	86.0	69.0	32.0	0.0	0.0	9.3	44.2	17.0
HA03070	106.3	89.9	46.1	0.4	3.3	0.43	89.0	68.0	57.0	48.0	35.0	26.0	7.1	49.3	17.7
HA03072	516.5	514.0	157.5	-0.2	3.3	0.30	506.0	390.0	323.0	260.0	179.0	119.0	24.4	183.5	47.7
HA03073	165.2	151.5	51.6	2.5	12.0	0.31	153.0	137.0	125.0	108.0	59.0	8.0	5.4	113.0	16.9
HA03074	184.5	158.9	103.8	1.4	5.2	0.56	144.0	98.0	66.0	22.0	0.0	0.0	4.3	62.1	10.7
HA03075	225.5	195.5	97.7	0.4	3.2	0.43	197.0	149.0	123.0	97.0	61.0	31.0	12.2	81.0	30.4
HA03076	138.6	129.1	54.3	1.4	4.8	0.39	125.0	101.0	86.0	70.0	48.0	29.0	4.4	85.0	10.2
HA03077	235.2	212.6	111.3	0.4	2.8	0.47	213.0	140.0	100.0	60.0	5.0	0.0	8.9	65.5	18.2
HA03093	189.5	155.6	93.9	1.0	4.3	0.50	151.0	117.0	95.0	72.0	32.0	0.0	5.0	83.5	14.3
HA03094	321.0	272.4	154.4	0.5	3.7	0.48	273.0	200.0	159.0	119.0	63.0	15.0	17.9	65.5	47.9
HA03096	205.0	189.2	94.8	0.5	3.9	0.46	135.2	51.4	0.0	0.0	0.0	0.0	3.2	53.9	4.9
HA03097	166.1	112.0	93.1	1.3	4.3	0.56	109.0	98.0	90.0	77.0	7.0	0.0	2.1	79.5	18.2
HA03098	100.6	81.0	69.0	2.3	10.7	0.69	78.0	55.0	39.0	19.0	0.0	0.0	2.9	40.5	9.2
HA03099	189.5	168.0	74.8	1.4	5.0	0.39	173.0	140.0	120.0	100.0	75.0	57.0	4.3	120.0	9.9

Tabla C.9. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Baja California Sur.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
HA03100	89.3	111.1	132.9	154.7	176.5	198.3	220.1	241.9	263.7	285.5	29.4	23.5	17.6	11.7	5.8	5.8	0.0	0.0	0.0	5.8
HA03102	69.4	89.4	109.3	129.2	149.2	169.1	189.0	208.9	228.9	248.8	6.2	25.0	18.7	18.7	6.2	6.2	0.0	6.2	6.2	6.2
HA03103	115.7	144.1	172.5	200.9	229.4	257.8	286.2	314.6	343.0	371.4	5.8	29.4	41.1	5.8	5.8	0.0	0.0	0.0	0.0	11.7
HA03104	187.3	230.7	274.1	317.5	360.9	404.3	447.7	491.1	534.5	577.9	20.0	20.0	6.6	0.0	13.3	6.6	13.3	6.6	0.0	13.3
HA03105	114.1	143.4	172.8	202.1	231.5	260.9	290.2	319.6	348.9	378.3	33.3	0.0	33.3	26.6	0.0	0.0	0.0	0.0	0.0	6.6
HA03106	104.6	120.6	136.7	152.7	168.8	184.8	200.9	216.9	233.0	249.0	7.6	7.6	30.7	0.0	23.0	7.6	7.6	7.6	0.0	7.6
HA03107	71.8	99.1	126.4	153.7	181.0	208.3	235.6	262.9	290.2	317.5	40.0	20.0	13.3	6.6	6.6	0.0	6.6	0.0	0.0	6.6
HA03108	134.1	187.6	241.1	294.6	348.1	401.5	455.0	508.5	562.0	615.5	40.0	20.0	20.0	6.6	0.0	6.6	0.0	0.0	0.0	6.6
HA03116	143.2	177.6	212.1	246.5	280.9	315.3	349.7	384.2	418.6	453.0	46.1	0.0	15.3	7.6	0.0	7.6	7.6	0.0	0.0	15.3
HA03117	78.2	92.8	107.5	122.1	136.8	151.4	166.1	180.7	195.4	210.0	18.1	27.2	27.2	18.1	0.0	0.0	0.0	0.0	0.0	9.0
HA03119	90.1	111.2	132.3	153.4	174.6	195.7	216.8	237.9	259.0	280.1	18.1	27.2	18.1	9.0	9.0	0.0	9.0	0.0	0.0	9.0
HA03120	119.2	138.4	157.6	176.8	196.0	215.2	234.4	253.6	272.8	292.0	25.0	8.3	16.6	8.3	16.6	8.3	0.0	8.3	0.0	8.3
HA03121	207.5	269.4	331.2	393.0	454.8	516.7	578.5	640.3	702.2	764.0	63.6	18.1	0.0	0.0	9.0	0.0	0.0	0.0	0.0	9.0
HA03122	108.3	138.6	168.9	199.2	229.5	259.8	290.1	320.4	350.7	381.0	9.0	27.2	27.2	18.1	0.0	0.0	9.0	0.0	0.0	9.0
HA03124	105.4	115.8	126.3	136.7	147.2	157.7	168.1	178.6	189.0	199.5	16.6	8.3	16.6	25.0	8.3	0.0	16.6	0.0	0.0	8.3
HA03125	69.7	86.8	104.0	121.1	138.3	155.4	172.6	189.7	206.9	224.0	8.3	0.0	16.6	8.3	25.0	25.0	0.0	8.3	0.0	8.3
HA03126	135.1	157.9	180.7	203.5	226.3	249.0	271.8	294.6	317.4	340.2	18.1	27.2	18.1	18.1	0.0	0.0	0.0	9.0	0.0	9.0
HA03128	121.9	168.7	215.6	262.4	309.3	356.1	403.0	449.8	496.7	543.5	41.6	16.6	25.0	8.3	0.0	0.0	0.0	0.0	0.0	8.3
HA03130	128.6	168.7	208.8	248.9	289.0	329.1	369.2	409.3	449.4	489.5	18.1	18.1	18.1	18.1	0.0	0.0	9.0	0.0	9.0	9.0
HA03131	103.4	125.8	148.2	170.6	193.0	215.4	237.8	260.2	282.6	305.0	33.3	33.3	0.0	0.0	16.6	0.0	8.3	0.0	0.0	8.3
HA03134	120.5	151.5	182.6	213.6	244.6	275.6	306.6	337.7	368.7	399.7	23.0	30.7	7.6	0.0	7.6	0.0	15.3	0.0	0.0	15.3
HA03135	134.1	171.1	208.2	245.2	282.3	319.4	356.4	393.5	430.5	467.6	23.0	23.0	7.6	0.0	7.6	15.3	7.6	0.0	7.6	7.6
HA03138	114.5	151.5	188.5	225.5	262.5	299.5	336.5	373.5	410.5	447.5	30.7	30.7	7.6	15.3	7.6	0.0	0.0	0.0	0.0	7.6
HA03141	84.5	116.1	147.6	179.1	210.7	242.2	273.7	305.2	336.8	368.3	7.6	15.3	38.4	7.6	0.0	7.6	7.6	7.6	0.0	7.6
HA03143	101.0	124.9	148.9	172.8	196.8	220.7	244.6	268.6	292.6	316.5	7.6	7.6	15.3	7.6	15.3	7.6	7.6	15.3	7.6	7.6
HA03144	119.1	195.9	272.7	349.5	426.3	503.0	579.8	656.6	733.4	810.2	15.3	0.0	0.0	7.6	23.0	23.0	15.3	7.6	0.0	7.6
HA03148	76.6	95.7	114.8	133.9	153.0	172.1	191.2	210.3	229.4	248.5	30.7	15.3	15.3	0.0	23.0	0.0	0.0	0.0	7.6	7.6
HA03150	142.5	186.5	230.6	274.6	318.6	362.6	406.6	450.6	494.7	538.7	50.0	0.0	16.6	0.0	16.6	0.0	0.0	8.3	0.0	8.3
HA03154	135.1	162.7	190.2	217.8	245.4	273.0	300.6	328.2	355.7	383.3	27.2	27.2	18.1	9.0	0.0	0.0	0.0	0.0	0.0	18.1
HA03155	86.7	98.3	110.0	121.6	133.3	144.9	156.6	168.2	179.9	191.5	18.1	18.1	27.2	18.1	9.0	0.0	0.0	0.0	0.0	9.0
HA03156	141.3	183.1	225.0	266.8	308.7	350.6	392.4	434.3	476.1	518.0	9.0	18.1	27.2	18.1	0.0	9.0	0.0	0.0	0.0	9.0

Tabla C.10. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Baja California Sur.

Table with multiple columns and rows, containing numerical data, likely representing rainfall statistics for various stations. The data is presented in a grid format with multiple columns of values.

Text at the bottom of the page, possibly a footer or additional information, including the words "Distribución de la lluvia" and "probabilidad".

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica			
	Periodicidad		DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS			Intensidad	% de IS	fluvia disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _e	Hp disp S(mm)	Hp disp S(mm)					
HA03003	3.2	1.3	1.8	1.1	146.2	100.6	81.2	36.0	141.8	4.1	CRITICA				
HA03004	5.8	2.7	3.1	2.7	132.3	115.1	42.6	36.0	75.1	2.8	CATASTROFICA				
HA03006	3.5	1.4	1.6	0.8	46.1	27.8	28.8	23.0	92.9	5.2	VASTA				
HA03007	4.6	2.4	2.6	2.1	301.3	315.2	115.8	28.0	292.7	4.1	MUY VASTA				
HA03009	4.8	3.3	2.5	3.1	144.8	232.7	57.9	29.0	138.8	4.1	MUY VASTA				
HA03010	5.3	0.9	3.0	0.7	61.9	8.7	20.6	18.0	88.0	3.7	EXTREMADAMENTE SEVERA				
HA03011	4.3	1.6	2.1	1.3	140.6	186.4	66.9	29.0	157.6	4.4	MUY VASTA				
HA03012	3.6	1.4	1.9	1.3	114.7	96.5	60.3	28.0	150.1	3.1	VASTA				
HA03014	5.6	2.5	3.5	2.0	68.7	45.2	19.6	23.0	64.3	3.7	EXTREMADAMENTE VASTA				
HA03015	3.1	1.1	1.6	0.6	53.8	42.2	33.6	26.0	95.1	5.5	VASTA				
HA03018	5.0	3.2	2.8	1.7	373.1	225.9	133.2	35.0	239.0	4.0	MUY CRITICA				
HA03020	3.5	1.2	1.8	0.9	109.9	54.2	61.0	32.0	125.9	3.3	CRITICA				
HA03022	3.4	1.7	2.6	1.9	123.6	82.0	47.5	22.0	161.4	3.5	MUY VASTA				
HA03023	4.2	2.3	2.4	1.7	193.0	133.3	80.4	31.0	178.7	2.9	MUY CRITICA				
HA03028	3.8	3.1	2.1	1.8	98.1	90.5	46.7	37.0	78.6	3.4	MUY CRITICA				
HA03029	4.7	1.3	2.4	1.3	102.9	78.2	42.8	32.0	89.4	4.5	MUY CRITICA				
HA03030	3.7	1.8	2.0	1.4	156.0	128.4	78.0	38.0	126.2	3.3	MUY CRITICA				
HA03031	4.1	1.8	2.5	1.5	150.5	85.4	60.2	25.0	173.9	2.2	MUY VASTA				
HA03032	4.0	1.6	2.0	1.5	173.0	113.1	86.5	33.0	171.0	3.5	MUY CRITICA				
HA03034	3.8	1.6	2.5	1.2	105.7	73.9	42.2	39.0	65.5	3.1	MUY CRITICA				
HA03036	4.8	3.1	2.7	1.5	314.4	190.9	116.4	29.0	281.4	3.9	MUY VASTA				
HA03037	4.0	2.0	2.6	1.5	132.8	83.5	51.0	24.0	157.9	3.1	MUY VASTA				
HA03038	4.7	2.2	2.4	1.5	76.4	65.4	31.8	24.0	100.0	4.3	MUY VASTA				
HA03039	4.8	2.0	3.0	1.7	133.1	79.5	44.3	25.0	129.9	2.7	EXTREMADAMENTE VASTA				
HA03041	3.1	1.2	1.7	1.2	55.7	59.0	32.7	24.0	102.2	4.1	VASTA				
HA03042	3.7	1.6	2.0	1.1	68.3	59.2	34.1	23.0	110.2	4.3	MUY VASTA				
HA03043	5.0	2.0	3.0	2.0	99.5	93.9	33.1	30.0	74.9	1.9	EXTREMADAMENTE VASTA				
HA03045	4.0	0.7	2.8	0.3	79.2	37.9	28.2	18.0	124.0	3.4	MUY SEVERA				
HA03050	4.5	2.2	3.0	1.8	307.0	250.8	102.3	31.0	221.4	4.2	CATASTROFICA				
HA03051	4.0	3.2	2.5	3.1	395.2	465.2	158.0	36.0	270.6	3.8	MUY CRITICA				
HA03052	4.1	1.5	2.9	1.6	86.1	50.2	29.6	28.0	74.0	2.9	MUY VASTA				
HA03053	3.2	1.7	1.9	1.1	170.3	137.6	89.6	34.0	172.7	3.4	CRITICA				
HA03054	3.4	1.5	2.1	1.5	194.8	166.9	92.7	37.0	152.8	3.8	MUY CRITICA				
HA03055	4.4	1.6	2.7	1.8	117.0	79.5	43.3	36.0	76.4	3.2	MUY CRITICA				
HA03056	4.2	2.7	2.9	2.3	164.0	155.8	56.5	30.0	130.8	2.5	MUY VASTA				
HA03058	5.1	2.1	2.7	1.4	304.8	149.5	112.8	35.0	204.9	3.1	MUY CRITICA				
HA03062	3.9	1.7	2.5	1.7	234.9	171.1	93.9	30.0	216.4	3.4	MUY VASTA				
HA03063	4.8	1.9	3.2	1.7	128.1	70.2	40.0	34.0	75.9	3.3	CATASTROFICA				
HA03064	7.0	5.0	3.7	3.2	530.0	516.3	143.2	29.0	346.3	3.6	EXTREMADAMENTE VASTA				
HA03066	4.1	1.2	2.5	1.4	107.7	74.5	43.0	24.0	134.2	3.1	MUY VASTA				
HA03067	3.2	1.1	1.7	1.2	187.7	143.0	110.4	28.0	274.6	5.2	VASTA				
HA03068	4.6	1.6	2.7	1.3	122.7	83.6	45.4	26.0	125.9	3.6	MUY VASTA				
HA03069	4.4	1.7	2.5	1.6	121.1	83.7	48.4	34.0	91.2	4.0	MUY CRITICA				
HA03070	4.0	1.0	1.9	1.4	71.8	45.6	37.7	35.0	68.5	4.7	CRITICA				
HA03072	3.0	1.0	1.6	0.7	198.4	128.1	124.0	24.0	392.4	4.9	VASTA				
HA03073	5.3	0.9	3.2	1.4	78.9	43.3	24.6	14.0	140.6	4.1	EXTREMADAMENTE SEVERA				
HA03074	3.6	1.4	2.0	1.3	132.0	116.9	66.0	35.0	118.4	3.2	MUY CRITICA				
HA03075	4.2	0.4	2.2	0.7	152.7	126.4	69.4	30.0	156.1	4.2	MUY VASTA				
HA03076	4.2	1.9	3.4	2.2	98.3	84.7	28.9	20.0	109.7	3.5	EXTREMADAMENTE SEVERA				
HA03077	4.5	1.8	2.4	1.1	197.5	122.0	82.2	34.0	152.9	4.1	MUY CRITICA				
HA03093	3.6	0.4	2.7	2.4	173.6	145.3	64.2	33.0	125.3	3.8	MUY CRITICA				
HA03094	3.3	1.0	1.8	1.2	191.8	147.4	106.5	33.0	214.5	4.0	CRITICA				
HA03096	3.9	0.8	2.2	1.0	157.1	56.1	71.4	34.0	133.6	2.0	MUY CRITICA				
HA03097	4.0	1.5	2.3	1.7	126.0	75.5	54.7	32.0	111.4	1.8	MUY CRITICA				
HA03098	3.6	1.6	2.7	1.2	88.4	76.8	32.7	32.0	67.9	2.9	MUY CRITICA				
HA03099	3.3	1.2	2.7	1.4	116.0	54.1	42.9	22.0	146.5	4.1	MUY VASTA				

Tabla C.11. Características de la sequía promedio de cada estación climatológica del estado de Baja California Sur.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica		
	Periodicidad	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS	Intensidad			% de IS	lluvia disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s	Hp disp S(mm)	Hp disp S(mm)			Hp disp S(mm)	
HA03100	5.5	0.5	3.6	1.6	110.2	53.5	30.6	24.0	92.1	3.0	EXTREMADAMENTE VASTA			
HA03102	5.5	2.5	3.0	0.8	115.6	0.4	38.5	31.0	84.3	3.6	CATASTROFICA			
HA03103	3.6	0.9	3.2	1.9	112.6	88.2	35.1	20.0	139.3	3.0	EXTREMADAMENTE SEVERA			
HA03104	5.0	3.0	2.6	1.2	302.8	150.3	116.4	36.0	205.9	3.6	MUY CRITICA			
HA03105	4.6	1.6	1.7	0.8	87.0	59.9	51.1	31.0	108.8	2.4	CRITICA			
HA03106	4.5	1.5	2.3	0.4	72.3	10.2	31.4	20.0	124.6	4.5	MUY SEVERA			
HA03107	4.0	2.0	3.3	1.6	133.0	83.3	40.3	35.0	72.1	3.0	CATASTROFICA			
HA03108	3.0	1.4	2.2	1.2	180.3	134.6	81.9	39.0	125.8	3.1	MUY CRITICA			
HA03116	4.0	1.6	2.0	1.0	160.4	138.9	80.1	35.0	142.8	2.0	MUY CRITICA			
HA03117	3.5	1.5	2.3	0.9	46.7	29.1	20.3	19.0	81.8	3.7	MUY SEVERA			
HA03119	3.5	1.5	2.3	0.9	78.9	33.8	34.3	25.0	98.8	3.4	MUY VASTA			
HA03120	2.3	0.4	1.7	1.2	63.4	33.6	37.2	22.0	131.7	4.1	VASTA			
HA03121	2.5	0.5	2.3	1.8	223.4	170.0	97.1	37.0	162.5	2.3	MUY CRITICA			
HA03122	5.0	1.0	2.6	1.2	109.1	71.9	41.9	24.0	131.5	3.6	MUY VASTA			
HA03124	3.3	1.2	1.7	1.2	33.0	27.7	19.4	14.0	114.8	4.6	SEVERA			
HA03125	4.5	2.5	1.6	0.4	62.8	47.2	39.2	29.0	95.6	7.3	VASTA			
HA03126	3.5	1.5	2.3	0.9	89.9	54.4	39.0	21.0	143.7	4.0	MUY VASTA			
HA03128	4.0	2.0	2.6	1.2	162.0	120.1	62.3	36.0	108.4	2.4	MUY CRITICA			
HA03130	5.0	0.0	3.5	0.5	282.6	15.5	80.7	34.0	154.8	3.8	CATASTROFICA			
HA03131	6.0	0.5	4.0	0.5	168.3	13.4	42.0	28.0	102.9	3.4	CATASTROFICA			
HA03134	2.3	0.4	2.0	1.7	145.5	133.6	72.7	35.0	129.4	3.1	MUY CRITICA			
HA03135	3.5	1.5	2.3	1.8	224.0	129.8	97.3	40.0	141.0	2.1	MUY CRITICA			
HA03138	2.3	0.4	2.2	2.1	110.1	74.7	50.0	30.0	115.7	2.6	MUY VASTA			
HA03141	3.5	1.5	3.0	1.6	154.0	90.3	51.3	29.0	121.3	3.5	EXTREMADAMENTE VASTA			
HA03143	3.0	0.5	2.3	1.2	127.0	73.4	55.2	28.0	140.5	4.7	MUY VASTA			
HA03144	4.5	2.5	2.0	0.8	312.8	192.2	156.3	37.0	261.1	7.7	MUY CRITICA			
HA03148	3.5	1.5	2.6	1.6	106.7	41.0	41.0	34.0	78.3	3.7	MUY CRITICA			
HA03150	5.0	0.0	2.6	1.2	229.1	161.6	88.1	39.0	135.3	2.0	MUY CRITICA			
HA03154	5.0	0.0	2.6	1.2	131.1	66.0	50.4	26.0	136.7	2.2	MUY VASTA			
HA03155	4.0	0.5	3.5	1.5	59.8	26.1	17.0	15.0	92.3	3.2	EXTREMADAMENTE SEVERA			
HA03156	5.0	0.0	4.0	1.0	236.4	42.5	59.0	23.0	196.3	3.2	EXTREMADAMENTE SEVERA			

Tabla C.11. Características de la sequía promedio de cada estación climatológica del estado de Baja California Sur.

Estación	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s	Hp disp S(mm)	Hp disp S(mm)	Hp disp S(mm)	Tipo de sequía Meteorológica
ATAVAY	3.6	0.9	3.2	1.9	112.6	88.2	35.1	20.0	139.3	3.0	EXTREMADAMENTE SEVERA	
ATAVAY	3.5	1.5	2.3	0.9	46.7	29.1	20.3	19.0	81.8	3.7	MUY SEVERA	
ATAVAY	3.5	1.5	2.3	0.9	78.9	33.8	34.3	25.0	98.8	3.4	MUY VASTA	
ATAVAY	2.3	0.4	1.7	1.2	63.4	33.6	37.2	22.0	131.7	4.1	VASTA	
ATAVAY	2.5	0.5	2.3	1.8	223.4	170.0	97.1	37.0	162.5	2.3	MUY CRITICA	
ATAVAY	5.0	1.0	2.6	1.2	109.1	71.9	41.9	24.0	131.5	3.6	MUY VASTA	
ATAVAY	3.3	1.2	1.7	1.2	33.0	27.7	19.4	14.0	114.8	4.6	SEVERA	
ATAVAY	4.5	2.5	1.6	0.4	62.8	47.2	39.2	29.0	95.6	7.3	VASTA	
ATAVAY	3.5	1.5	2.3	0.9	89.9	54.4	39.0	21.0	143.7	4.0	MUY VASTA	
ATAVAY	4.0	2.0	2.6	1.2	162.0	120.1	62.3	36.0	108.4	2.4	MUY CRITICA	
ATAVAY	5.0	0.0	3.5	0.5	282.6	15.5	80.7	34.0	154.8	3.8	CATASTROFICA	
ATAVAY	6.0	0.5	4.0	0.5	168.3	13.4	42.0	28.0	102.9	3.4	CATASTROFICA	
ATAVAY	2.3	0.4	2.0	1.7	145.5	133.6	72.7	35.0	129.4	3.1	MUY CRITICA	
ATAVAY	3.5	1.5	2.3	1.8	224.0	129.8	97.3	40.0	141.0	2.1	MUY CRITICA	
ATAVAY	2.3	0.4	2.2	2.1	110.1	74.7	50.0	30.0	115.7	2.6	MUY VASTA	
ATAVAY	3.5	1.5	3.0	1.6	154.0	90.3	51.3	29.0	121.3	3.5	EXTREMADAMENTE VASTA	
ATAVAY	3.0	0.5	2.3	1.2	127.0	73.4	55.2	28.0	140.5	4.7	MUY VASTA	
ATAVAY	4.5	2.5	2.0	0.8	312.8	192.2	156.3	37.0	261.1	7.7	MUY CRITICA	
ATAVAY	3.5	1.5	2.6	1.6	106.7	41.0	41.0	34.0	78.3	3.7	MUY CRITICA	
ATAVAY	5.0	0.0	2.6	1.2	229.1	161.6	88.1	39.0	135.3	2.0	MUY CRITICA	
ATAVAY	5.0	0.0	2.6	1.2	131.1	66.0	50.4	26.0	136.7	2.2	MUY VASTA	
ATAVAY	4.0	0.5	3.5	1.5	59.8	26.1	17.0	15.0	92.3	3.2	EXTREMADAMENTE SEVERA	
ATAVAY	5.0	0.0	4.0	1.0	236.4	42.5	59.0	23.0	196.3	3.2	EXTREMADAMENTE SEVERA	

Municipio	Estadísticos de la lluvia promedio municipal				Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)							Tr(años) primer	lluvia mínima registrada	Tr(años) para
	Media	Mediana	Desv Std	Coefficientes	2 años	5 años	10 años	20 años	50 años	100 años				
	X_o (mm)	(mm)	S(mm)	g k Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	deci	Hp min(mm)	Hp min	
Comondu	166.6	152.9	62.4	1.5 6.0 0.37	154.0	122.0	101.0	79.0	48.0	20.0	10.8	69.0	27.2	
Mulege	122.9	115.7	41.2	1.8 7.5 0.33	114.0	91.0	74.0	53.0	11.0	0.0	7.5	58.2	17.0	
La Paz	257.3	222.1	101.3	1.6 6.6 0.39	222.0	178.0	144.0	95.0	0.0	0.0	6.9	111.8	16.3	
Loreto	134.9	128.2	58.7	1.5 6.5 0.44	127.0	95.0	73.0	51.0	17.0	0.0	9.0	46.0	23.1	
Los Cabos	297.8	286.8	118.6	0.7 3.2 0.40	283.0	207.0	159.0	115.0	57.0	13.0	9.9	112.2	20.8	
Estatad	205.0	188.4	66.2	1.2 5.1 0.32	191.0	159.0	136.0	110.0	63.0	16.0	9.6	104.0	22.9	

Tabla C.13. Características estadísticas de la lluvia anual de cada municipio del estado de Baja California Sur.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Comondu	98.4	127.7	157.1	186.4	215.8	245.2	274.5	303.9	333.2	362.6	5.8	19.6	29.4	23.5	5.8	7.8	0.0	1.9	1.9	3.9
Mulege	81.0	103.8	126.6	149.4	172.2	194.9	217.7	240.5	263.3	286.1	7.2	24.6	36.2	14.4	7.2	4.3	1.4	1.4	1.4	1.4
La Paz	163.0	214.1	265.3	316.4	367.6	418.7	469.8	521.0	572.1	623.3	7.5	37.7	20.7	15.0	3.7	7.5	3.7	0.0	1.8	1.8
Loreto	76.8	107.6	138.3	169.1	199.9	230.7	261.5	292.2	323.0	353.8	11.3	22.6	32.0	16.9	3.7	5.6	3.7	1.8	0.0	1.8
Los Cabos	160.1	207.9	255.8	303.6	351.5	399.4	447.2	495.1	542.9	590.8	8.6	15.5	13.7	22.4	13.7	8.6	3.4	5.1	3.4	5.1
Estatad	137.3	170.6	203.8	237.1	270.4	303.7	337.0	370.2	403.5	436.8	12.0	20.6	29.3	15.5	5.1	6.8	5.1	3.4	0.0	1.7

Tabla C.14. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Baja California Sur.

Municipio	Características promedio de la sequía meteorológica municipal									lluvia disponible	Tr(años) para	Tipo de sequía
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS respecto a X _o				
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	Hp disp S(mm)	Hp disp S(mm)	Meteorológica	
Comondu	4.5	2.5	2.8	2.1	102.6	115.0	36.6	21.0	129.9	3.9	MUY VASTA	
Mulege	4.6	2.8	2.8	2.2	65.0	72.2	23.2	18.0	99.7	3.4	MUY SEVERA	
La Paz	3.9	2.0	2.6	1.6	151.9	124.5	58.4	22.0	198.9	3.1	MUY VASTA	
Loreto	4.3	3.0	2.6	2.3	90.7	132.1	34.8	25.0	100.1	4.3	MUY VASTA	
Los Cabos	3.8	1.5	2.1	1.4	164.5	159.1	78.3	26.0	219.4	4.2	MUY VASTA	
Estatad	3.7	1.5	2.3	1.4	95.0	79.4	41.3	20.0	163.6	4.3	MUY SEVERA	

Tabla C.15. Características de la sequía promedio de cada municipio del estado de Baja California Sur.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = Smáx/Dmáx$	% de I^*	Intensidad	Duración / máx	% de $I / máx$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S máx(mm)$	$D máx(años)$	$I^*(mm/año)$	respecto a X_c	$I máx(mm/año)$	$D I máx(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Comondu	434.5	8.0	54.3	32.0	56.0	1.0	33.0	45.4	9.0	0.0	6.3	0.0	0.0	0.0	9.0	0.0	0.0
Mulege	254.4	8.0	31.8	25.0	64.7	1.0	52.0	40.0	20.0	13.3	6.6	0.0	6.6	6.6	6.6	0.0	0.0
La Paz	461.2	6.0	76.8	29.0	129.3	1.0	50.0	46.1	0.0	15.3	30.7	0.0	7.6	0.0	0.0	0.0	0.0
Loreto	512.3	10.0	51.2	37.0	53.9	2.0	39.0	33.3	33.3	16.6	8.3	0.0	0.0	0.0	0.0	0.0	8.3
Los Cabos	487.0	3.0	162.3	54.0	162.3	3.0	54.0	56.2	6.2	12.5	18.7	6.2	0.0	0.0	0.0	0.0	0.0
Estatal	246.9	6.0	41.1	20.0	77.9	3.0	38.0	40.0	20.0	13.3	20.0	0.0	6.6	0.0	0.0	0.0	0.0

Tabla C.16. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Baja California Sur.

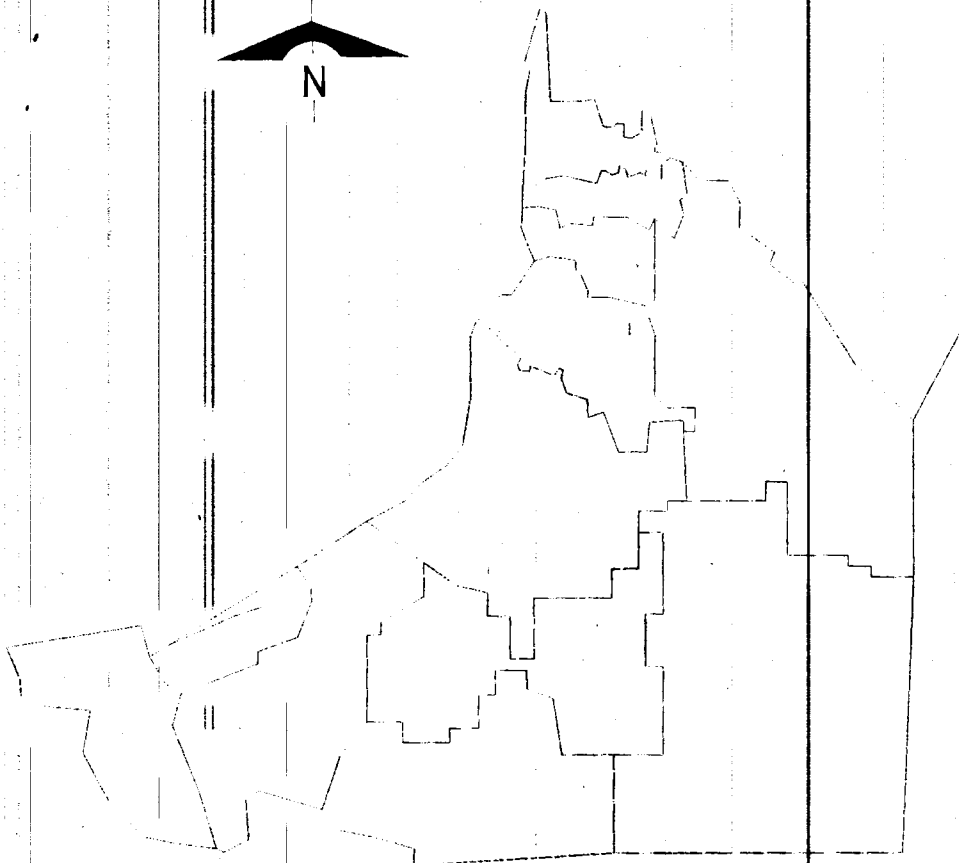
Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = Smáx/Dmáx$	% de I^*	Intensidad	Duración / máx	% de $I / máx$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
Comondu	434.5	8.0	54.3	32.0	56.0	1.0	33.0	45.4	9.0	0.0	6.3	0.0	0.0	0.0	9.0	0.0	0.0
Mulege	254.4	8.0	31.8	25.0	64.7	1.0	52.0	40.0	20.0	13.3	6.6	0.0	6.6	6.6	6.6	0.0	0.0
La Paz	461.2	6.0	76.8	29.0	129.3	1.0	50.0	46.1	0.0	15.3	30.7	0.0	7.6	0.0	0.0	0.0	0.0
Loreto	512.3	10.0	51.2	37.0	53.9	2.0	39.0	33.3	33.3	16.6	8.3	0.0	0.0	0.0	0.0	0.0	8.3
Los Cabos	487.0	3.0	162.3	54.0	162.3	3.0	54.0	56.2	6.2	12.5	18.7	6.2	0.0	0.0	0.0	0.0	0.0
Estatal	246.9	6.0	41.1	20.0	77.9	3.0	38.0	40.0	20.0	13.3	20.0	0.0	6.6	0.0	0.0	0.0	0.0

Tabla C.14. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Baja California Sur.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = Smáx/Dmáx$	% de I^*	Intensidad	Duración / máx	% de $I / máx$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
Comondu	434.5	8.0	54.3	32.0	56.0	1.0	33.0	45.4	9.0	0.0	6.3	0.0	0.0	0.0	9.0	0.0	0.0
Mulege	254.4	8.0	31.8	25.0	64.7	1.0	52.0	40.0	20.0	13.3	6.6	0.0	6.6	6.6	6.6	0.0	0.0
La Paz	461.2	6.0	76.8	29.0	129.3	1.0	50.0	46.1	0.0	15.3	30.7	0.0	7.6	0.0	0.0	0.0	0.0
Loreto	512.3	10.0	51.2	37.0	53.9	2.0	39.0	33.3	33.3	16.6	8.3	0.0	0.0	0.0	0.0	0.0	8.3
Los Cabos	487.0	3.0	162.3	54.0	162.3	3.0	54.0	56.2	6.2	12.5	18.7	6.2	0.0	0.0	0.0	0.0	0.0
Estatal	246.9	6.0	41.1	20.0	77.9	3.0	38.0	40.0	20.0	13.3	20.0	0.0	6.6	0.0	0.0	0.0	0.0

Tabla C.15. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Baja California Sur.

CAMPECHE



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima registrada	Tr(años)	
	Media X _c (mm)	Mediana (mm)	Desv Std S(mm)	Coeficientes g k Cv			2 años Hp(mm)	5 años Hp(mm)	10 años Hp(mm)	20 años Hp(mm)	50 años Hp(mm)	100 años Hp(mm)	primer decl	Hp min(mm)	para Hp min
HA04001	966.7	960.0	252.4	-0.5	4.4	0.26	980.0	789.0	659.0	525.0	339.0	191.0	37.6	279.7	66.3
HA04002	1005.7	1025.8	143.4	-0.4	3.8	0.14	1009.0	902.0	835.0	771.0	688.0	626.0	20.7	711.2	38.5
HA04004	1300.6	1276.5	336.1	1.3	7.0	0.26	1314.0	1013.0	813.0	619.0	362.0	164.0	6.3	760.3	12.1
HA04008	1180.6	1113.5	443.3	2.4	13.9	0.38	1107.0	883.0	705.0	454.0	0.0	0.0	10.1	392.6	22.6
HA04009	1061.0	974.0	262.1	1.0	4.2	0.25	961.0	859.0	797.0	730.0	619.0	503.0	5.9	755.2	15.6
HA04010	1252.2	1280.4	261.1	-1.5	7.5	0.21	1292.0	1071.0	928.0	790.0	613.0	480.0	180.9	228.5	374.3
HA04011	1025.7	1030.9	207.6	-1.1	5.8	0.20	1031.0	863.0	755.0	651.0	517.0	417.0	36.2	476.1	66.4
HA04012	1334.3	1283.4	386.2	2.3	11.6	0.29	1306.0	1057.0	894.0	736.0	527.0	364.0	4.0	920.5	8.9
HA04014	825.6	828.4	169.3	0.2	3.1	0.21	801.0	695.0	631.0	571.0	493.0	436.0	10.4	572.4	19.6
HA04015	1265.9	1243.1	264.8	0.7	3.9	0.21	1230.0	1070.0	966.0	859.0	704.0	570.0	12.1	829.5	24.0
HA04017	900.6	875.3	189.3	1.1	5.0	0.21	858.0	767.0	707.0	644.0	547.0	455.0	9.0	638.3	21.3
HA04018	1253.3	1225.3	257.8	0.5	3.3	0.21	1219.0	1032.0	919.0	809.0	663.0	547.0	5.8	923.0	9.8
HA04020	1233.6	1285.2	254.2	-0.5	3.3	0.21	1261.0	1041.0	904.0	774.0	608.0	484.0	17.4	707.2	28.9
HA04021	1507.1	1567.5	327.8	-1.0	5.1	0.22	1545.0	1251.0	1090.0	940.0	750.0	609.0	68.8	542.4	138.5
HA04023	1008.5	1037.8	240.1	0.5	4.3	0.24	1012.0	845.0	736.0	632.0	498.0	396.0	11.1	619.3	21.8
HA04024	1799.6	1829.7	397.5	-0.2	2.7	0.22	1807.0	1471.0	1283.0	1108.0	884.0	716.0	21.3	932.1	41.0
HA04026	1251.5	1230.0	235.1	0.2	2.7	0.19	1231.0	1044.0	938.0	838.0	704.0	601.0	8.6	872.1	15.8
HA04028	1141.7	1127.6	301.5	0.7	4.7	0.26	1165.0	946.0	777.0	576.0	245.0	0.0	9.4	650.9	15.7
HA04029	1362.5	1356.0	244.8	0.1	2.8	0.18	1344.0	1158.0	1044.0	933.0	787.0	675.0	13.8	899.4	24.8
HA04030	1458.7	1478.2	271.4	-0.5	3.7	0.19	1498.0	1382.0	1239.0	1036.0	784.0	561.0	23.9	875.5	34.2
HA04031	1127.5	1119.8	311.1	1.1	5.4	0.28	1073.0	933.0	844.0	759.0	649.0	567.0	26.8	590.4	82.2
HA04032	991.8	983.0	214.0	-0.1	4.8	0.22	996.0	839.0	732.0	625.0	477.0	357.0	18.8	549.6	32.2
HA04034	1061.4	1050.0	227.4	0.0	3.3	0.21	1047.0	891.0	796.0	705.0	589.0	502.0	15.8	658.5	28.8
HA04037	1067.4	961.6	239.9	0.9	3.7	0.22	951.0	858.0	806.0	744.0	617.0	477.0	4.7	778.5	13.9
HA04038	986.4	982.8	148.8	-0.5	3.3	0.15	1001.0	872.0	789.0	711.0	611.0	536.0	24.4	627.6	42.9
HA04039	1282.5	1246.9	306.6	-0.2	3.3	0.24	1261.0	1048.0	927.0	814.0	665.0	551.0	27.9	640.2	58.3
HA04040	1187.5	1159.5	215.6	0.6	4.4	0.18	1174.0	1045.0	964.0	887.0	787.0	713.0	18.4	810.7	40.2
HA04041	1151.9	1152.0	216.5	-0.1	3.0	0.19	1152.0	959.0	885.0	793.0	643.0	522.0	29.2	640.0	51.0
HA04042	1293.1	1272.2	299.1	1.2	8.8	0.23	1296.0	1075.0	922.0	762.0	522.0	295.0	11.9	720.6	23.7
HA04044	1292.1	1288.5	370.4	1.2	7.4	0.29	1280.0	1011.0	796.0	533.0	90.0	0.0	10.0	584.2	17.7
HA04052	1135.3	1176.2	177.5	-0.7	5.5	0.16	1167.0	966.0	805.0	655.0	464.0	321.0	10.4	726.6	14.3
HA04053	1021.1	964.3	280.8	0.7	6.6	0.27	814.5	566.3	401.9	244.3	40.3	0.0	3.0	582.5	4.7
HA04054	1223.3	1223.1	252.5	-0.2	5.6	0.21	1192.0	993.0	857.0	719.0	527.0	372.0	14.0	696.5	22.3
HA04055	1396.7	1339.8	286.4	0.7	5.3	0.21	1326.0	1183.0	1082.0	950.0	718.0	525.0	12.3	939.8	21.0
HA04057	1466.2	1350.1	505.4	2.4	12.5	0.34	1385.0	1142.0	984.0	834.0	640.0	495.0	4.7	963.1	11.0
HA04058	1108.8	1170.0	218.6	-1.2	6.4	0.20	1156.0	939.0	825.0	722.0	590.0	493.0	26.5	606.5	44.6
HA04059	1017.7	1064.8	178.9	-0.1	5.2	0.18	1024.0	901.0	821.0	745.0	647.0	574.0	18.8	685.8	34.8

Tabla C.17. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Campeche.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA04001	398.7	517.8	636.8	755.8	874.8	993.9	1112.9	1231.9	1351.0	1470.0	5.5	0.0	0.0	13.8	11.1	22.2	19.4	16.6	2.7	8.3
HA04002	767.2	823.3	879.3	935.3	991.3	1047.4	1103.4	1159.4	1215.5	1271.5	11.5	0.0	3.8	7.6	19.2	30.7	7.6	3.8	7.6	7.6
HA04004	943.9	1127.5	1311.0	1494.6	1678.2	1861.8	2045.4	2228.9	2412.5	2596.1	6.6	28.8	22.2	15.5	17.7	6.6	0.0	0.0	0.0	2.2
HA04008	701.4	1010.2	1319.0	1627.8	1936.7	2245.5	2554.3	2863.1	3171.9	3480.7	7.6	24.6	46.1	10.7	4.6	4.6	0.0	0.0	0.0	1.5
HA04009	844.2	933.2	1022.1	1111.1	1200.1	1289.1	1378.1	1467.0	1556.0	1645.0	20.0	20.0	20.0	6.6	6.6	6.6	0.0	13.3	0.0	6.6
HA04010	367.1	505.6	644.2	782.7	921.3	1059.8	1198.4	1336.9	1475.5	1614.0	2.2	0.0	0.0	0.0	8.8	4.4	22.2	20.0	26.6	15.5
HA04011	564.2	652.4	740.5	828.7	916.8	1004.9	1093.1	1181.2	1269.4	1357.5	5.0	5.0	0.0	0.0	10.0	15.0	25.0	25.0	5.0	10.0
HA04012	1110.6	1300.7	1490.8	1680.9	1871.0	2061.0	2251.1	2441.2	2631.3	2821.4	29.6	29.6	22.2	11.1	0.0	3.7	0.0	0.0	0.0	3.7
HA04014	627.2	682.1	736.9	791.8	846.6	901.4	956.3	1011.1	1066.0	1120.8	21.0	0.0	5.2	21.0	21.0	5.2	0.0	10.5	5.2	10.5
HA04015	936.7	1043.9	1151.1	1258.3	1365.5	1472.7	1579.9	1687.1	1794.3	1901.5	7.1	14.2	7.1	28.5	14.2	7.1	10.7	3.5	0.0	7.1
HA04017	716.1	793.8	871.6	949.3	1027.1	1104.9	1182.6	1260.4	1338.1	1415.9	13.6	18.1	13.6	27.2	4.5	9.0	0.0	9.0	0.0	4.5
HA04018	1006.9	1090.9	1174.8	1258.8	1342.7	1426.6	1510.6	1594.5	1678.5	1762.4	25.0	6.2	6.2	18.7	12.5	6.2	6.2	6.2	6.2	6.2
HA04020	799.9	892.7	985.4	1078.2	1170.9	1263.6	1356.4	1449.1	1541.9	1634.6	8.0	4.0	4.0	8.0	12.0	8.0	24.0	12.0	8.0	12.0
HA04021	684.8	827.1	969.5	1111.8	1254.2	1396.6	1538.9	1681.3	1823.6	1966.0	4.0	0.0	0.0	4.0	12.0	16.0	12.0	16.0	24.0	12.0
HA04023	719.6	819.9	920.3	1020.6	1120.9	1221.2	1321.5	1421.9	1522.2	1622.5	16.0	4.0	16.0	12.0	24.0	20.0	0.0	0.0	4.0	4.0
HA04024	1093.3	1254.4	1415.6	1576.7	1737.9	1899.0	2060.2	2221.3	2382.5	2543.6	2.2	8.8	8.8	11.1	15.5	11.1	15.5	11.1	11.1	4.4
HA04026	960.7	1049.2	1137.8	1226.3	1314.9	1403.4	1492.0	1580.5	1669.1	1757.6	10.8	13.5	2.7	18.9	13.5	10.8	13.5	10.8	0.0	5.4
HA04028	793.8	936.2	1078.9	1221.6	1364.3	1506.9	1649.6	1792.3	1934.9	2077.6	13.5	13.5	13.5	18.9	24.3	8.1	2.7	2.7	0.0	2.7
HA04029	992.6	1085.7	1178.9	1272.0	1365.2	1458.3	1551.5	1644.6	1737.8	1830.9	5.5	8.3	11.1	8.3	25.0	11.1	8.3	5.5	8.3	8.3
HA04030	982.1	1088.7	1195.3	1301.9	1408.6	1515.2	1621.8	1728.4	1835.0	1941.6	10.7	3.5	0.0	7.1	3.5	32.1	21.4	0.0	14.2	7.1
HA04031	723.3	856.3	989.2	1122.1	1255.1	1388.0	1520.9	1653.8	1786.8	1919.7	5.0	5.0	30.0	10.0	35.0	0.0	0.0	5.0	5.0	5.0
HA04032	635.1	720.6	806.0	891.5	977.0	1062.5	1148.0	1233.4	1318.9	1404.4	7.1	0.0	7.1	14.2	21.4	7.1	28.5	0.0	7.1	7.1
HA04034	735.5	812.4	889.4	966.3	1043.3	1120.2	1197.2	1274.1	1351.1	1428.0	11.7	5.8	5.8	11.7	11.7	11.7	17.6	0.0	11.7	11.7
HA04037	863.1	947.5	1032.2	1116.7	1201.3	1285.8	1370.4	1454.9	1539.5	1624.0	17.2	27.5	6.8	10.3	6.8	17.2	3.4	0.0	3.4	6.8
HA04038	689.4	751.1	812.9	874.7	936.4	998.2	1060.0	1121.8	1183.5	1245.3	3.1	3.1	9.3	9.3	3.1	25.0	12.5	18.7	9.3	6.2
HA04039	759.9	879.6	999.3	1119.0	1238.8	1358.5	1478.2	1597.9	1717.6	1837.3	7.1	0.0	10.7	7.1	21.4	14.2	14.2	3.5	14.2	7.1
HA04040	895.8	981.0	1066.1	1151.2	1236.4	1321.5	1406.6	1491.7	1576.9	1662.0	5.8	5.8	11.7	23.5	17.6	17.6	0.0	5.8	5.8	5.8
HA04041	734.3	828.6	923.0	1017.3	1111.6	1205.9	1300.2	1394.6	1488.9	1583.2	2.8	2.8	11.4	17.1	2.8	17.1	22.8	8.5	8.5	5.7
HA04042	882.8	1044.9	1207.1	1369.2	1531.4	1693.5	1855.7	2017.8	2180.0	2342.1	7.1	7.1	21.4	35.7	14.2	10.7	0.0	0.0	0.0	3.5
HA04044	797.5	1010.9	1224.2	1437.5	1650.9	1864.2	2077.5	2290.8	2504.2	2717.5	6.8	15.9	18.1	29.5	15.9	9.0	2.2	0.0	0.0	2.2
HA04052	796.7	866.9	937.0	1007.1	1077.3	1147.4	1217.5	1287.6	1357.8	1427.9	7.1	0.0	7.1	0.0	14.2	14.2	28.5	14.2	7.1	7.1
HA04053	693.3	804.0	914.8	1025.5	1136.3	1247.0	1357.8	1468.5	1579.3	1690.0	15.3	0.0	15.3	23.0	15.3	23.0	0.0	0.0	0.0	7.6
HA04054	791.2	885.8	980.5	1075.2	1169.9	1264.5	1359.2	1453.9	1548.5	1643.2	8.3	0.0	0.0	16.6	16.6	16.6	25.0	0.0	0.0	16.6
HA04055	1047.0	1154.2	1261.4	1368.6	1475.8	1583.0	1690.2	1797.4	1904.6	2011.8	8.3	0.0	25.0	25.0	8.3	16.6	0.0	8.3	0.0	8.3
HA04057	1154.1	1345.1	1536.1	1727.1	1918.2	2109.2	2300.2	2491.2	2682.2	2873.2	18.1	27.2	18.1	27.2	0.0	0.0	0.0	0.0	0.0	9.0
HA04058	680.9	755.3	829.8	904.2	978.6	1053.0	1127.4	1201.9	1276.3	1350.7	9.0	0.0	0.0	0.0	9.0	27.2	0.0	9.0	27.2	18.1
HA04059	751.8	817.8	883.9	949.9	1015.9	1081.9	1147.9	1214.0	1280.0	1346.0	9.0	0.0	18.1	0.0	18.1	18.1	18.1	9.0	0.0	9.0

Tabla C.18. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Campeche.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS	Intensidad		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	Hp disp S(mm)	Hp disp S(mm)		
HA04001	3.5	1.7	1.8	1.4	340.5	352.4	189.1	19.0	777.5	5.3	SEVERA	
HA04002	3.6	1.4	1.5	0.9	193.4	198.1	128.9	12.0	876.7	6.5	SEVERA	
HA04004	5.5	2.5	2.7	2.1	631.6	640.6	233.9	17.0	1066.7	4.2	MUY SEVERA	
HA04008	5.3	2.0	3.1	2.2	702.3	554.0	226.5	19.0	954.1	3.7	EXTREMADAMENTE SEVERA	
HA04009	3.3	1.2	2.2	1.0	392.4	88.3	178.3	16.0	882.7	3.9	MUY SEVERA	
HA04010	3.3	1.2	1.4	0.6	308.0	310.0	220.0	17.0	1032.2	6.0	SEVERA	
HA04011	3.2	1.1	1.5	0.5	237.7	250.9	158.4	15.0	867.3	4.9	SEVERA	
HA04012	3.2	1.6	2.0	1.3	428.7	368.5	214.3	16.0	1119.9	3.9	MUY SEVERA	
HA04014	4.0	2.1	1.8	0.9	243.1	114.9	135.0	16.0	690.6	5.2	SEVERA	
HA04015	6.0	2.1	3.2	1.4	549.7	305.7	171.7	13.0	1094.2	4.3	EXTREMADAMENTE SEVERA	
HA04017	4.3	1.8	3.5	2.0	385.1	341.5	110.0	12.0	790.5	3.8	EXTREMADAMENTE SEVERA	
HA04018	4.5	0.5	3.0	0.8	551.7	164.4	183.8	14.0	1069.5	4.0	EXTREMADAMENTE SEVERA	
HA04020	6.6	2.0	2.7	0.8	626.0	226.2	231.8	18.0	1001.7	6.1	MUY SEVERA	
HA04021	6.0	2.2	2.2	1.1	645.2	615.3	293.2	19.0	1213.9	5.8	MUY SEVERA	
HA04023	5.2	4.0	2.3	1.9	463.7	522.8	201.6	19.0	806.8	6.3	MUY SEVERA	
HA04024	5.3	2.1	2.3	1.5	807.9	554.1	351.2	19.0	1448.3	5.4	MUY SEVERA	
HA04026	3.8	1.0	2.1	1.0	355.3	235.5	169.1	13.0	1082.3	4.0	MUY SEVERA	
HA04028	4.0	2.0	2.5	2.5	536.6	641.0	214.6	18.0	927.1	5.4	MUY SEVERA	
HA04029	5.0	2.0	2.6	1.9	429.4	382.2	165.1	12.0	1197.4	4.0	MUY SEVERA	
HA04030	3.9	2.5	1.7	0.8	387.2	523.6	227.7	15.0	1231.0	10.3	SEVERA	
HA04031	5.6	0.4	3.2	0.8	513.1	250.2	160.3	14.0	967.1	3.9	EXTREMADAMENTE SEVERA	
HA04032	3.0	0.7	1.3	0.4	225.6	149.0	173.5	17.0	818.2	5.7	SEVERA	
HA04034	4.3	1.6	2.2	0.8	378.2	147.1	171.9	16.0	889.4	5.1	MUY SEVERA	
HA04037	5.0	2.0	2.8	1.3	473.6	246.6	169.1	15.0	898.2	3.0	MUY SEVERA	
HA04038	4.0	2.2	2.1	1.1	234.7	256.4	111.7	11.0	874.7	4.9	MUY SEVERA	
HA04039	4.5	2.2	2.2	2.0	481.4	719.6	218.8	17.0	1063.6	4.6	MUY SEVERA	
HA04040	6.0	0.5	3.3	0.9	451.0	48.7	136.6	11.0	1060.8	4.4	EXTREMADAMENTE SEVERA	
HA04041	6.5	4.2	2.8	2.2	513.7	385.8	183.4	15.0	968.4	4.6	MUY SEVERA	
HA04042	3.4	1.3	1.8	1.5	341.8	359.7	189.8	14.0	1103.2	4.4	SEVERA	
HA04044	4.2	1.5	2.6	1.7	578.3	428.8	222.4	17.0	1069.6	4.1	MUY SEVERA	
HA04052	3.2	1.6	1.1	0.3	181.7	160.1	165.1	14.0	970.1	4.9	SEVERA	
HA04053	3.0	0.8	1.7	0.8	322.0	191.1	189.4	18.0	831.7	1.9	SEVERA	
HA04054	3.0	0.5	1.5	0.5	269.2	165.5	179.4	14.0	1043.8	3.9	SEVERA	
HA04055	5.0	0.0	3.5	2.5	655.1	198.2	187.1	13.0	1209.6	4.1	EXTREMADAMENTE SEVERA	
HA04057	3.0	0.5	1.7	0.4	417.6	264.8	245.6	16.0	1220.6	3.6	SEVERA	
HA04058	2.6	0.4	1.2	0.4	232.8	183.7	194.0	17.0	914.7	5.7	SEVERA	
HA04059	3.0	0.8	1.2	0.4	186.5	106.3	155.4	15.0	862.2	7.0	SEVERA	

Tabla C.19. Características de la sequía promedio de cada estación climatológica del estado de Campeche.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = Sm_{\text{máx}}/D_{\text{máx}}$	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{\text{máx}}(\text{mm})$	$D_{\text{máx}}(\text{años})$	$I^*(\text{mm/año})$	respecto a X_c	$I_{\text{máx}}(\text{mm/año})$	$D_{\text{máx}}(\text{años})$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA04001	1174.9	6.0	195.8	20.0	686.9	1.0	71.0	60.0	30.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
HA04002	626.0	3.0	208.6	20.0	208.6	3.0	20.0	71.4	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA04004	2019.0	7.0	288.4	22.0	347.6	1.0	26.0	55.5	0.0	11.1	0.0	22.2	0.0	11.1	0.0	0.0	0.0
HA04008	2133.3	8.0	266.6	22.0	589.3	1.0	49.0	38.4	7.6	15.3	15.3	7.6	0.0	7.6	7.6	0.0	0.0
HA04009	522.4	4.0	130.6	12.0	273.2	1.0	25.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA04010	1040.9	2.0	520.4	41.0	520.4	2.0	41.0	64.2	28.5	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA04011	603.6	2.0	301.8	29.0	301.8	2.0	29.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA04012	1096.7	5.0	219.3	16.0	390.7	2.0	29.0	50.0	25.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
HA04014	391.2	3.0	130.4	15.0	239.4	1.0	28.0	60.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA04015	979.5	4.0	244.8	19.0	244.8	4.0	19.0	20.0	20.0	0.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0
HA04017	966.8	7.0	138.1	15.0	142.4	2.0	15.0	0.0	50.0	25.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0
HA04018	689.2	4.0	172.3	13.0	215.1	3.0	17.0	0.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA04020	851.1	2.0	425.5	34.0	425.5	2.0	34.0	0.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA04021	1793.4	4.0	448.3	29.0	448.3	4.0	29.0	40.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA04023	1474.5	6.0	245.7	24.0	245.7	6.0	24.0	60.0	0.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA04024	1680.8	5.0	336.1	18.0	677.7	1.0	37.0	44.4	22.2	11.1	0.0	22.2	0.0	0.0	0.0	0.0	0.0
HA04026	791.8	4.0	197.9	15.0	335.0	1.0	26.0	40.0	20.0	30.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
HA04028	2100.0	9.0	233.3	20.0	429.6	1.0	37.0	50.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0	12.5	0.0
HA04029	1220.5	6.0	203.4	14.0	463.1	1.0	33.0	37.5	37.5	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
HA04030	1632.0	3.0	544.0	37.0	544.0	3.0	37.0	57.1	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA04031	789.0	4.0	197.2	17.0	197.2	4.0	17.0	0.0	25.0	25.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
HA04032	507.9	2.0	253.9	25.0	253.9	2.0	25.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA04034	557.6	3.0	185.8	17.0	185.8	3.0	17.0	25.0	25.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA04037	775.4	4.0	193.8	18.0	232.5	3.0	21.0	16.6	33.3	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0
HA04038	758.9	4.0	189.7	19.0	189.7	4.0	19.0	37.5	37.5	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA04039	2077.7	6.0	346.2	26.0	346.2	6.0	26.0	71.4	0.0	0.0	0.0	14.2	14.2	0.0	0.0	0.0	0.0
HA04040	519.1	4.0	129.7	10.0	203.8	2.0	17.0	0.0	33.3	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0
HA04041	1167.3	6.0	194.5	16.0	236.3	1.0	20.0	50.0	16.6	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0
HA04042	1004.4	4.0	251.1	19.0	572.4	1.0	44.0	75.0	0.0	0.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0
HA04044	1332.9	3.0	444.3	34.0	526.6	1.0	40.0	40.0	20.0	10.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0
HA04052	408.6	1.0	408.6	35.0	408.6	1.0	35.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA04053	565.9	2.0	282.9	27.0	422.3	1.0	41.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA04054	526.7	1.0	526.7	43.0	526.7	1.0	43.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA04055	853.4	6.0	142.2	10.0	456.9	1.0	32.0	50.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0
HA04057	702.3	2.0	351.1	23.0	351.1	2.0	23.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA04058	502.2	1.0	502.2	45.0	502.2	1.0	45.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA04059	351.9	2.0	175.9	17.0	182.1	1.0	17.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.20. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Campeche.

en sequías

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años) primer decil	Lluvia mínima registrada Hp min(mm)	Tr(años) para Hp min
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años			
	X _o (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)			
Calkini	1009.3	1022.7	167.2	-1.0	5.6	0.17	1022.0	889.0	803.0	721.0	615.0	536.0	80.3	476.1	169.9
Campeche	1067.6	1056.5	175.7	0.8	5.4	0.16	1067.0	930.0	840.0	754.0	641.0	556.0	13.3	712.5	28.0
Carmen	1301.6	1285.1	221.1	0.9	6.1	0.17	1303.0	1125.0	1005.0	888.0	729.0	601.0	13.0	836.0	27.1
Champotón	1219.5	1206.7	365.4	3.7	26.4	0.30	1199.0	997.0	860.0	719.0	509.0	297.0	18.6	428.9	66.9
Hecelchakán	971.4	994.0	203.8	-0.7	4.3	0.21	992.0	823.0	713.0	608.0	473.0	371.0	51.3	374.5	97.7
Hopelchén	1005.8	978.8	167.0	-0.1	3.2	0.17	986.0	873.0	803.0	727.0	614.0	522.0	35.3	583.2	63.4
Palizada	1676.9	1731.0	312.7	-0.2	3.2	0.19	1693.0	1441.0	1280.0	1127.0	929.0	780.0	25.7	932.1	49.2
Tenabo	1019.7	1014.0	212.2	0.2	2.8	0.21	1006.0	849.0	745.0	639.0	493.0	376.0	13.4	619.3	22.8
Escárcega	1242.6	1226.7	198.3	0.0	3.4	0.16	1245.0	1094.0	987.0	874.0	712.0	577.0	15.9	829.5	26.0
Calakmul	1151.0	1130.1	223.8	0.9	3.7	0.19	1129.0	1021.0	954.0	890.0	807.0	743.0	10.8	869.7	25.0
Candelaria	1294.6	1250.2	298.9	1.6	10.7	0.23	1303.0	1076.0	920.0	758.0	506.0	222.0	9.0	760.3	19.8
Estatad	1209.5	1181.0	138.3	2.3	13.6	0.11	1188.0	1115.0	1058.0	981.0	799.0	625.0	15.0	923.9	28.4

Tabla C.21. Características estadísticas de la lluvia anual de cada municipio del estado de Campeche.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Calkini	561.4	646.7	732.1	817.4	902.7	988.0	1073.3	1158.7	1244.0	1329.3	2.5	2.5	2.5	2.5	10.2	15.3	30.7	17.9	10.2	5.1
Campeche	804.3	896.2	988.0	1079.8	1171.7	1263.5	1355.3	1447.1	1539.0	1630.8	5.4	8.1	24.3	21.6	16.2	13.5	5.4	2.7	0.0	2.7
Carmen	961.2	1086.5	1211.7	1336.9	1462.2	1587.4	1712.6	1837.8	1963.1	2088.3	2.1	13.0	15.2	30.4	26.0	6.5	2.1	2.1	0.0	2.1
Champotón	734.1	1039.3	1344.4	1649.6	1954.8	2260.0	2565.2	2870.3	3175.5	3480.7	1.5	21.5	56.9	13.8	4.6	0.0	0.0	0.0	0.0	1.5
Hecelchakán	469.0	563.4	657.9	752.3	846.8	941.2	1035.7	1130.1	1224.6	1319.0	2.7	2.7	0.0	8.3	11.1	16.6	16.6	25.0	5.5	11.1
Hopelchén	658.6	734.1	809.5	884.9	960.3	1035.8	1111.2	1186.6	1262.1	1337.5	2.2	2.2	8.8	6.6	24.4	15.5	11.1	13.3	8.8	6.6
Palizada	1072.7	1213.4	1354.0	1494.7	1635.3	1775.9	1916.6	2057.2	2197.9	2338.5	2.2	6.6	4.4	3.3	15.5	20.0	20.0	8.8	4.4	4.4
Tenabo	700.2	781.0	861.9	942.8	1023.7	1104.5	1185.4	1266.3	1347.1	1428.0	6.6	8.8	6.6	8.8	24.4	13.3	13.3	2.2	4.4	11.1
Escárcega	912.4	995.4	1078.3	1161.3	1244.2	1327.1	1410.1	1493.0	1576.0	1658.9	6.5	4.3	6.5	3.0	21.7	15.2	19.5	2.1	2.1	8.6
Calakmul	947.2	1024.8	1102.3	1179.8	1257.4	1334.9	1412.4	1489.9	1567.5	1645.0	21.4	14.2	7.1	21.4	14.2	3.5	3.5	0.0	0.0	10.7
Candelaria	943.9	1127.5	1311.0	1494.6	1678.2	1861.8	2045.4	2228.9	2412.5	2596.1	8.8	13.3	35.5	22.2	17.7	0.0	0.0	0.0	0.0	2.2
Estatad	1016.9	1109.9	1203.0	1296.0	1389.0	1482.0	1575.0	1668.1	1761.1	1854.1	2.2	11.1	42.2	26.6	13.3	2.2	0.0	0.0	0.0	2.2

Tabla C.22. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Campeche.

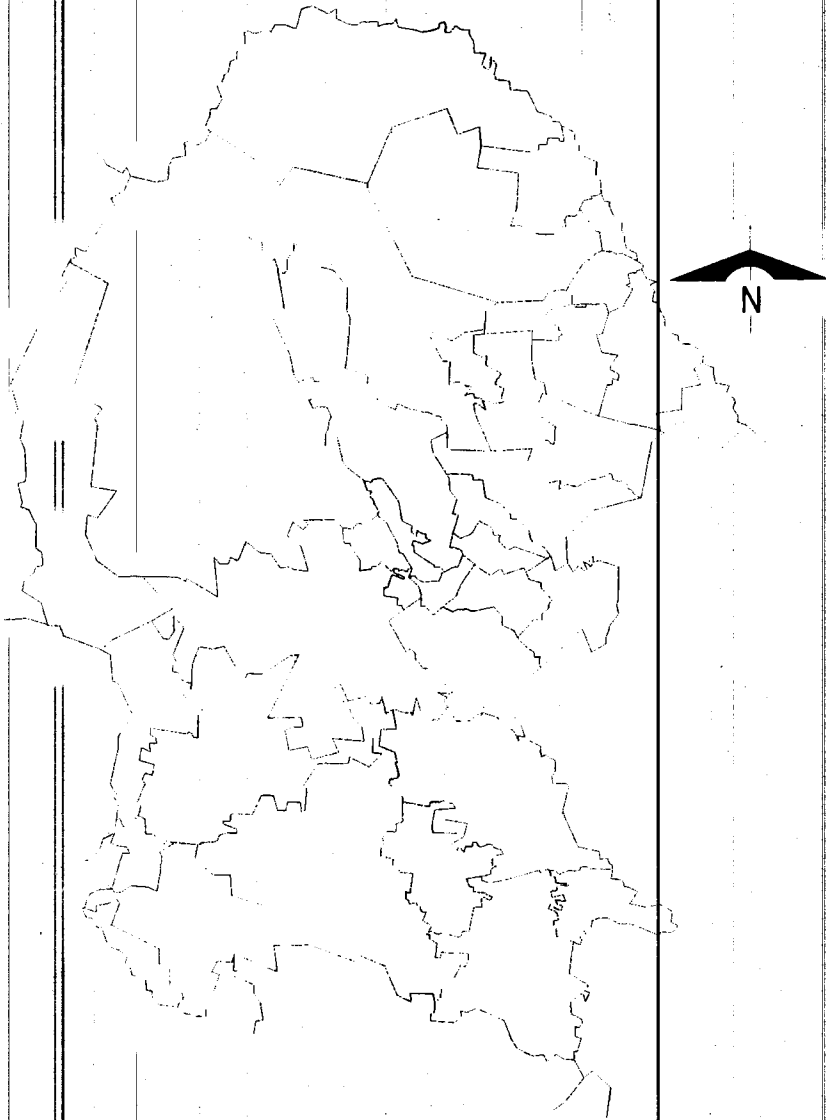
Municipio	Características promedio de la sequía meteorológica municipal									H _p disp S(mm)	Tr(años) para	Tipo de sequía
	Periodicidad PerS(años)	DesvStd PerS (años)	Duración DS(años)	DesvStd DS (años)	Severidad SS(mm)	DesvStd SS (mm)	Intensidad IS(mm/año)	% de IS respecto a X ₀	línea disponible H _p disp S(mm)			
Calkini	3.8	1.6	1.3	0.6	228.9	205.7	176.0	17.0	833.2	7.8	SEVERA	
Campeche	3.3	1.1	1.8	1.0	218.8	239.9	121.5	11.0	946.1	4.4	SEVERA	
Carmen	3.6	2.6	1.9	1.4	283.8	341.4	149.3	11.0	1152.2	4.3	SEVERA	
Champotón	4.2	1.6	2.1	1.6	414.3	464.8	197.2	16.0	1022.2	4.4	MUY SEVERA	
Hecelchakán	4.5	3.4	2.1	1.6	356.9	342.0	169.9	17.0	801.5	5.7	MUY SEVERA	
Hopelchén	4.3	1.9	2.3	1.4	300.3	289.3	130.5	12.0	875.2	4.9	MUY SEVERA	
Palizada	4.6	1.8	2.3	2.1	616.6	528.8	268.0	15.0	1408.8	5.7	MUY SEVERA	
Tenabo	3.8	2.0	1.9	1.4	307.1	329.7	161.6	15.0	858.0	4.7	SEVERA	
Escárcega	3.9	1.1	1.9	1.0	288.8	260.0	152.0	12.0	1090.6	5.1	SEVERA	
Calakmul	4.5	1.6	2.5	0.9	401.9	164.5	160.7	13.0	990.3	6.8	MUY SEVERA	
Candelaria	4.8	2.6	2.6	2.1	460.2	635.5	177.0	13.0	1117.5	4.2	MUY SEVERA	
Estatad	3.7	1.3	2.2	1.4	167.3	176.9	76.0	6.0	1133.4	3.9	MODERADA	

Tabla C.23. Características de la sequía promedio de cada municipio del estado de Campeche.

Municipio	Características máximas de la sequía meteorológica municipal								Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^m =Smáx/Dmáx	% de I ^m	Intensidad	Duración I/máx	% de I/máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años	
	Smáx(mm)	D máx(años)	I ^m (mm/año)	respecto a X ₀	I máx(mm/año)	D I máx(años)	respecto a X ₀											
Calkini	570.7	2.0	285.3	28.0	285.3	2.0	28.0	70.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Campeche	898.9	4.0	224.7	21.0	224.7	4.0	21.0	54.5	18.1	18.1	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Carmen	1108.1	4.0	277.0	21.0	277.0	4.0	21.0	61.5	15.3	7.6	7.6	0.0	7.6	0.0	0.0	0.0	0.0	0.0
Champotón	1741.3	6.0	290.2	23.0	402.3	1.0	32.0	56.2	12.5	6.2	12.5	6.2	6.2	0.0	0.0	0.0	0.0	0.0
Hecelchakán	1203.4	6.0	200.5	20.0	410.8	1.0	42.0	50.0	25.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Hopelchén	1091.1	4.0	272.7	27.0	272.7	4.0	27.0	40.0	20.0	10.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Palizada	2257.5	8.0	282.1	16.0	744.7	1.0	44.0	55.5	11.1	22.2	0.0	0.0	0.0	0.0	11.1	0.0	0.0	0.0
Tenabo	1334.2	6.0	222.3	21.0	361.1	1.0	35.0	50.0	25.0	16.6	0.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0
Escárcega	798.3	3.0	266.1	21.0	323.1	2.0	26.0	41.6	25.0	25.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calakmul	686.6	4.0	171.6	14.0	216.1	2.0	18.0	16.6	33.3	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Candelaria	2036.5	8.0	254.5	19.0	319.8	3.0	24.0	50.0	10.0	20.0	0.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0
Estatad	606.8	5.0	121.3	10.0	138.2	3.0	11.0	50.0	8.3	16.6	16.6	8.3	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.24. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Campeche.

COAHUILA



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima registrada	Tr(años)	
	Media	Mediana	Desv	Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	Hp min	para
X_c (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min	
HA05004	231.2	224.2	87.3	0.7	4.5	0.38	223.0	163.0	125.0	88.0	39.0	1.0	7.3	110.0	13.2
HA05005	401.5	365.0	130.9	1.1	4.4	0.33	362.0	305.0	269.0	232.0	177.0	126.0	5.4	253.5	13.4
HA05006	250.9	238.2	87.0	0.6	3.7	0.35	232.0	178.0	146.0	116.0	77.0	48.0	7.4	132.2	13.8
HA05007	182.1	170.5	69.6	0.3	2.3	0.38	167.0	122.0	98.0	76.0	47.0	26.0	12.6	65.5	27.6
HA05008	371.5	348.5	186.8	1.2	4.7	0.50	342.0	238.0	171.0	106.0	20.0	0.0	8.1	115.3	18.2
HA05009	178.4	174.0	86.6	0.6	3.4	0.49	164.0	105.0	63.0	14.0	0.0	0.0	8.0	39.0	14.2
HA05011	204.8	180.0	106.2	2.3	11.9	0.52	172.0	126.0	73.0	0.0	0.0	0.0	4.8	71.5	10.1
HA05013	181.8	171.5	60.5	0.5	2.7	0.33	168.0	132.0	112.0	93.0	68.0	49.0	7.7	98.8	16.0
HA05015	235.6	226.7	98.2	1.0	5.5	0.42	184.0	146.0	124.0	97.0	36.0	0.0	2.8	131.0	8.1
HA05016	323.1	292.0	114.2	0.9	3.4	0.35	281.0	233.0	204.0	174.0	125.0	76.0	7.7	172.4	20.7
HA05018	172.7	136.2	96.1	2.3	10.7	0.56	102.0	17.1	0.0	0.0	0.0	0.0	1.8	77.6	2.5
HA05020	536.6	513.0	262.5	0.6	4.0	0.49	513.0	334.0	221.0	109.0	0.0	0.0	7.4	172.2	13.5
HA05021	390.9	403.4	145.2	0.5	3.5	0.37	368.0	249.0	183.0	101.0	0.0	0.0	10.6	106.0	19.3
HA05022	269.4	268.0	82.5	1.1	5.9	0.31	263.0	207.0	171.0	136.0	91.0	56.0	7.7	147.6	15.9
HA05024	368.3	343.1	137.6	0.5	3.1	0.37	342.0	278.0	238.0	201.0	153.0	117.0	45.3	103.4	130.7
HA05026	378.0	354.0	139.4	0.4	3.1	0.37	347.0	271.0	225.0	181.0	125.0	84.0	29.1	103.4	71.8
HA05027	201.6	202.9	61.8	0.0	2.5	0.31	199.0	149.0	122.0	98.0	66.0	43.0	9.6	103.5	16.9
HA05028	218.5	219.1	94.3	1.5	8.0	0.43	218.0	172.0	141.0	109.0	62.0	18.0	9.6	105.0	21.7
HA05029	222.5	208.0	94.7	0.4	2.7	0.43	204.0	137.0	102.0	69.0	26.0	0.0	5.7	99.8	10.5
HA05030	398.1	455.5	179.7	0.4	3.4	0.45	265.8	106.9	1.7	0.0	0.0	0.0	2.5	161.5	3.6
HA05031	356.9	349.0	146.2	0.6	3.4	0.41	331.0	246.0	193.0	143.0	75.0	22.0	12.0	120.9	26.9
HA05032	251.2	246.4	82.6	0.3	2.5	0.33	240.0	175.0	140.0	106.0	61.0	25.0	6.5	129.4	12.4
HA05033	378.4	365.2	171.1	0.7	3.4	0.45	351.0	247.0	181.0	118.0	34.0	0.0	10.3	106.7	22.7
HA05035	455.2	421.7	195.3	0.6	2.8	0.43	402.0	286.0	217.0	149.0	53.0	0.0	6.7	186.7	13.6
HA05036	191.7	167.5	68.0	1.0	3.5	0.35	168.0	144.0	130.0	117.0	99.0	86.0	8.0	111.5	26.3
HA05037	194.7	173.0	118.6	2.9	13.9	0.61	171.0	121.0	88.0	53.0	0.0	0.0	2.7	97.1	8.2
HA05039	360.4	360.0	127.8	-0.2	2.6	0.35	361.0	256.0	198.0	146.0	78.0	29.0	14.3	127.5	25.5
HA05041	163.6	154.7	50.2	0.9	4.3	0.31	153.0	125.0	107.0	89.0	63.0	42.0	8.3	93.5	16.6
HA05042	355.8	334.0	181.7	1.0	4.1	0.51	318.0	205.0	127.0	45.0	0.0	0.0	6.0	109.4	11.7
HA05044	235.9	239.8	78.8	0.1	2.5	0.33	246.0	155.0	133.0	112.0	79.0	47.0	7.7	110.7	20.7
HA05045	335.7	310.0	152.2	1.7	6.7	0.45	289.0	217.0	164.0	100.0	0.0	0.0	4.8	155.0	11.2
HA05047	390.4	342.6	191.4	0.6	3.4	0.49	314.0	217.0	178.0	140.0	84.0	31.0	3.5	185.1	8.8
HA05048	354.6	308.5	130.2	0.2	2.1	0.37	298.0	235.0	207.0	181.0	148.0	124.0	6.6	187.5	16.7
HA05050	258.4	252.0	120.0	0.7	3.5	0.46	251.0	136.0	100.0	55.0	0.0	0.0	4.7	94.2	11.0
HA05051	204.2	196.5	51.6	1.2	5.3	0.25	191.0	163.0	145.0	123.0	88.0	53.0	8.1	126.5	18.2
HA05052	305.1	265.3	107.7	1.0	4.6	0.35	255.0	224.0	195.0	128.0	24.0	0.0	9.1	160.9	14.9
HA05075	406.1	410.0	181.9	0.3	3.4	0.45	391.0	257.0	168.0	77.0	0.0	0.0	8.3	130.3	13.3

Tabla C.25. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Coahuila.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
HA05004	142.0	174.0	206.0	238.0	270.0	302.0	334.0	366.0	398.0	430.0	20.0	6.6	13.3	20.0	6.6	13.3	6.6	6.6	0.0	6.6
HA05005	300.6	347.7	394.8	441.9	489.0	536.1	583.2	630.3	677.4	724.5	21.0	10.5	31.5	5.2	10.5	0.0	10.5	5.2	0.0	5.2
HA05006	159.9	187.5	215.2	242.8	270.5	298.1	325.7	353.4	381.0	408.7	14.2	14.2	7.1	14.2	21.4	0.0	7.1	7.1	0.0	14.2
HA05007	90.5	115.5	140.5	165.5	190.6	215.6	240.6	265.6	290.6	315.6	9.0	9.0	12.1	15.1	15.1	9.0	3.0	9.0	12.1	6.0
HA05008	190.9	266.4	342.0	417.6	493.2	568.7	644.3	719.9	795.4	871.0	11.1	22.2	13.8	25.0	11.1	2.7	0.0	8.3	0.0	5.5
HA05009	76.8	114.5	152.3	190.0	227.8	265.5	303.3	341.0	378.8	416.5	11.1	11.1	22.2	20.0	11.1	6.6	6.6	8.8	0.0	2.2
HA05011	127.8	184.1	240.3	296.6	352.9	409.2	465.5	521.7	578.0	634.3	19.3	36.4	22.5	9.6	9.6	0.0	0.0	0.0	0.0	3.2
HA05013	119.0	139.1	159.3	179.5	199.7	219.8	240.0	260.2	280.3	300.5	16.0	16.0	8.0	16.0	8.0	4.0	16.0	4.0	4.0	8.0
HA05015	164.2	197.3	230.5	263.6	296.8	330.0	363.1	396.3	429.4	462.6	33.3	16.6	0.0	0.0	33.3	8.3	0.0	0.0	0.0	8.3
HA05016	215.3	258.1	301.0	343.8	386.7	429.6	472.4	515.3	558.1	601.0	13.5	18.9	27.0	5.4	10.8	2.7	10.8	0.0	5.4	5.4
HA05018	116.5	155.5	194.4	233.3	272.3	311.2	350.1	389.0	428.0	466.9	13.3	46.6	20.0	0.0	6.6	6.6	0.0	0.0	0.0	6.6
HA05020	269.4	366.6	463.7	560.9	658.1	755.3	852.5	949.6	1046.8	1144.0	17.6	11.7	5.8	23.5	11.7	5.8	17.6	0.0	0.0	5.8
HA05021	177.1	248.1	319.2	390.2	461.3	532.3	603.4	674.4	745.4	816.5	4.1	12.5	16.6	14.5	25.0	10.4	8.3	6.2	0.0	2.0
HA05022	184.1	220.7	257.2	293.7	330.3	366.8	403.3	439.8	476.4	512.9	13.0	21.7	13.0	13.0	26.0	0.0	8.6	0.0	0.0	4.3
HA05024	158.1	212.8	267.4	322.1	376.8	431.5	486.2	540.8	595.5	650.2	4.0	0.0	24.0	20.0	16.0	12.0	0.0	0.0	20.0	4.0
HA05026	158.1	212.8	267.4	322.1	376.8	431.5	486.2	540.8	595.5	650.2	4.3	0.0	17.3	21.7	17.3	13.0	0.0	0.0	21.7	4.3
HA05027	124.1	144.6	165.2	185.7	206.3	226.8	247.4	267.9	288.5	309.0	13.0	13.0	4.3	8.6	13.0	13.0	0.0	0.0	17.3	8.6
HA05028	142.8	180.5	218.3	256.1	293.8	331.6	369.4	407.2	444.9	482.7	26.6	6.6	13.3	26.6	13.3	6.6	0.0	0.0	0.0	6.6
HA05029	130.5	161.1	191.8	222.5	253.2	283.8	314.5	345.2	375.8	406.5	23.8	9.5	9.5	14.2	4.7	14.2	0.0	14.2	0.0	9.5
HA05030	224.8	288.1	351.4	414.7	478.0	541.3	604.6	667.9	731.2	794.5	26.3	10.5	5.2	5.2	15.7	21.0	5.2	0.0	5.2	5.2
HA05031	179.8	238.7	297.7	356.6	415.5	474.4	533.3	592.3	651.2	710.1	12.8	5.1	17.9	20.5	17.9	2.5	10.2	2.5	5.1	5.1
HA05032	161.3	193.2	225.0	256.9	288.8	320.7	352.6	384.4	416.3	448.2	18.7	10.9	10.9	17.1	4.6	15.6	10.9	6.2	1.5	3.1
HA05033	178.4	250.1	321.7	393.4	465.1	536.8	608.5	680.1	751.8	823.5	8.8	17.7	15.5	20.0	13.3	6.6	4.4	8.8	0.0	4.4
HA05035	255.6	324.4	393.3	462.1	531.0	599.8	668.7	737.5	806.4	875.2	12.5	18.7	15.6	12.5	9.3	3.1	9.3	9.3	3.1	6.2
HA05036	134.4	157.3	180.2	203.1	226.1	249.0	271.9	294.8	317.7	340.6	19.0	9.5	38.0	4.7	4.7	0.0	0.0	9.5	9.5	4.7
HA05037	152.2	207.3	262.4	317.5	372.6	427.6	482.7	537.8	592.9	648.0	47.8	21.7	17.3	4.3	0.0	4.3	0.0	0.0	0.0	4.3
HA05039	170.7	213.9	257.1	300.3	343.5	386.7	429.9	473.1	516.3	559.5	8.0	4.0	16.0	4.0	8.0	16.0	8.0	12.0	12.0	12.0
HA05041	111.6	129.8	147.9	166.1	184.2	202.3	220.5	238.6	256.8	274.9	11.7	17.6	11.7	23.5	11.7	5.8	5.8	0.0	5.8	5.8
HA05042	184.2	259.1	333.9	408.8	483.6	558.4	633.3	708.1	783.0	857.8	18.9	16.2	10.8	24.3	8.1	10.8	0.0	5.4	2.7	2.7
HA05044	141.2	171.7	202.1	232.6	263.1	293.6	324.1	354.5	385.0	415.5	13.8	18.8	11.1	8.3	11.1	13.8	16.6	8.3	0.0	2.7
HA05045	222.2	289.4	356.6	423.8	491.0	558.2	625.4	692.6	759.8	827.0	18.6	26.5	23.2	16.2	4.6	4.6	2.3	0.0	0.0	4.6
HA05047	239.7	294.3	348.9	403.5	458.1	512.7	567.3	621.9	676.5	731.1	33.3	8.3	8.3	8.3	0.0	16.6	8.3	0.0	0.0	16.6
HA05048	223.2	258.8	294.5	330.1	365.7	401.4	437.0	472.7	508.3	544.0	17.6	17.6	11.7	5.8	0.0	11.7	0.0	5.8	11.7	17.6
HA05050	139.1	184.0	228.9	273.8	318.7	363.5	408.4	453.3	498.2	543.1	20.0	12.0	8.0	20.0	16.0	4.0	12.0	0.0	4.0	4.0
HA05051	150.6	174.6	198.7	222.7	246.8	270.8	294.9	318.9	343.0	367.0	8.8	28.5	26.4	11.7	11.7	8.8	2.9	2.9	0.0	2.9
HA05052	201.1	241.2	281.4	321.5	361.7	401.9	442.0	482.2	522.3	562.5	12.5	18.7	25.0	6.2	12.5	6.2	6.2	6.2	0.0	6.2
HA05075	192.4	254.4	316.5	378.5	440.6	502.6	564.7	626.7	688.8	750.8	11.1	11.1	5.5	16.6	16.6	16.6	5.5	0.0	5.5	11.1

Tabla C.26. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Coahuila.

Estación	Características promedio de la sequía meteorológica										Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica		
	Periodicidad	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS	Intensidad			% de IS	lluvia disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año) respecto a X _o	Hp disp S(mm)	Hp disp S(mm)					
HA05004	3.2	1.0	1.7	0.7	99.8	66.8	58.7	25.0	172.4			4.2	VASTA	
HA05005	4.3	2.6	3.2	1.9	239.8	145.3	74.9	18.0	326.6			3.4	EXTREMADAMENTE SEVERA	
HA05006	4.0	1.0	2.6	0.9	157.4	103.3	60.5	24.0	190.3			3.9	MUY VASTA	
HA05007	3.7	1.3	2.2	1.3	107.5	97.5	48.8	26.0	133.3			3.8	MUY VASTA	
HA05008	5.3	3.3	3.6	3.1	408.1	350.9	113.3	30.0	258.2			4.1	EXTREMADAMENTE VASTA	
HA05009	3.5	1.3	2.0	1.0	114.4	90.6	57.2	32.0	121.2			3.8	MUY CRITICA	
HA05011	4.5	2.2	2.8	1.7	156.4	147.3	55.8	27.0	149.0			3.2	MUY VASTA	
HA05013	4.0	2.2	2.1	1.5	88.9	108.5	42.3	23.0	139.5			3.9	MUY VASTA	
HA05015	3.3	1.2	1.5	0.8	120.4	80.5	80.2	34.0	155.3			3.7	CRITICA	
HA05016	4.7	2.3	2.8	1.9	214.4	192.3	76.5	23.0	246.6			3.7	MUY VASTA	
HA05018	4.3	0.4	2.5	1.1	120.1	69.6	48.0	27.0	124.7			1.6	MUY VASTA	
HA05020	6.5	1.5	3.0	0.8	584.5	164.5	194.8	36.0	341.7			4.8	CATASTROFICA	
HA05021	3.4	1.8	1.6	1.2	200.8	257.4	125.5	32.0	265.3			4.2	CRITICA	
HA05022	4.2	1.1	2.0	1.0	117.9	51.0	58.9	21.0	210.5			4.7	MUY VASTA	
HA05024	4.2	2.1	2.6	1.3	226.4	93.8	87.0	23.0	281.2			4.7	MUY VASTA	
HA05026	3.7	1.4	2.3	1.2	211.9	112.9	92.1	24.0	285.8			4.1	MUY VASTA	
HA05027	5.3	0.9	2.7	0.8	147.3	70.2	54.5	27.0	147.1			5.3	MUY VASTA	
HA05028	4.6	0.4	1.7	0.4	124.1	61.4	73.0	33.0	145.4			9.0	CRITICA	
HA05029	5.3	0.4	3.0	1.2	207.9	172.9	69.3	31.0	153.2			3.7	CATASTROFICA	
HA05030	3.3	1.0	1.5	0.5	237.3	128.3	158.1	39.0	240.0			2.3	CRITICA	
HA05031	3.8	1.9	2.2	1.4	216.4	180.8	98.3	27.0	258.5			4.3	MUY VASTA	
HA05032	4.6	2.3	2.7	2.2	169.6	184.2	62.8	25.0	188.3			4.0	MUY VASTA	
HA05033	4.6	1.8	2.6	1.4	295.3	280.6	113.5	29.0	264.8			4.2	MUY VASTA	
HA05035	3.9	1.8	2.3	1.3	323.3	240.1	140.5	30.0	314.7			3.8	MUY VASTA	
HA05036	3.8	1.4	2.5	1.2	94.6	51.0	37.8	19.0	153.8			3.3	MUY SEVERA	
HA05037	5.2	1.7	3.1	1.1	168.7	58.1	54.4	27.0	140.3			3.4	EXTREMADAMENTE VASTA	
HA05039	3.3	1.5	2.0	1.3	184.5	183.2	92.2	25.0	268.1			4.4	MUY VASTA	
HA05041	6.5	3.5	3.3	1.8	108.0	73.3	32.7	19.0	130.8			4.0	EXTREMADAMENTE SEVERA	
HA05042	4.0	1.6	2.2	1.8	255.7	206.9	116.2	32.0	239.5			3.7	MUY CRITICA	
HA05044	4.3	2.2	2.5	1.6	171.1	112.7	68.4	28.0	167.5			3.6	MUY VASTA	
HA05045	4.4	1.8	2.9	1.7	235.6	183.7	81.2	24.0	254.5			3.0	MUY VASTA	
HA05047	3.3	1.2	1.7	0.4	242.5	59.6	142.6	36.0	247.8			3.1	CRITICA	
HA05048	3.0	1.0	1.5	0.5	167.3	89.0	111.5	31.0	243.1			4.2	CRITICA	
HA05050	5.5	1.5	2.5	1.0	236.6	67.4	94.6	36.0	163.7			3.1	MUY CRITICA	
HA05051	4.5	4.3	3.1	4.0	94.6	163.9	30.5	14.0	173.6			3.4	EXTREMADAMENTE SEVERA	
HA05052	3.6	1.6	2.2	1.0	170.7	68.0	77.5	25.0	227.5			4.4	MUY VASTA	
HA05075	4.0	1.5	1.7	1.6	248.5	252.3	146.1	35.0	260.0			4.9	CRITICA	

Tabla C.27. Características de la sequía promedio de cada estación climatológica del estado de Coahuila.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I^*(mm/a\acute{o})$	respecto a X_c	$I_{m\acute{a}x}(mm/a\acute{o})$	$D_{m\acute{a}x}(a\acute{o}s)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA05004	192.9	2.0	96.4	41.0	96.4	2.0	41.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA05005	390.0	4.0	97.5	24.0	121.7	2.0	30.0	25.0	25.0	0.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0
HA05006	281.8	4.0	70.4	28.0	80.8	2.0	32.0	0.0	66.6	0.0	38.3	0.0	0.0	0.0	0.0	0.0	0.0
HA05007	309.8	4.0	77.4	42.0	116.6	1.0	64.0	44.4	22.2	0.0	38.3	0.0	0.0	0.0	0.0	0.0	0.0
HA05008	900.0	9.0	100.0	26.0	176.5	1.0	47.0	33.3	33.3	0.0	0.0	0.0	0.0	16.6	0.0	16.6	0.0
HA05009	354.3	3.0	118.1	66.0	118.1	3.0	66.0	38.4	30.7	15.3	15.3	0.0	0.0	0.0	0.0	0.0	0.0
HA05011	469.3	6.0	78.2	38.0	78.2	6.0	38.0	28.5	28.5	0.0	28.5	0.0	14.2	0.0	0.0	0.0	0.0
HA05013	343.7	5.0	68.7	37.0	68.7	5.0	37.0	57.1	14.2	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
HA05015	255.4	3.0	85.1	36.0	104.5	1.0	44.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA05016	690.8	7.0	98.6	30.0	102.6	2.0	31.0	25.0	37.5	12.5	0.0	12.5	0.0	12.5	0.0	0.0	0.0
HA05018	216.3	3.0	72.1	41.0	72.1	3.0	41.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA05020	709.7	4.0	177.4	33.0	230.6	3.0	42.0	0.0	33.3	33.3	38.3	0.0	0.0	0.0	0.0	0.0	0.0
HA05021	1098.8	6.0	183.1	46.0	204.8	1.0	52.0	64.2	28.5	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0
HA05022	194.4	4.0	48.6	18.0	96.9	1.0	35.0	33.3	50.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA05024	330.0	2.0	165.0	44.0	165.0	2.0	44.0	33.3	16.6	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
HA05026	349.4	2.0	174.7	46.0	174.7	2.0	46.0	33.3	33.3	0.0	38.3	0.0	0.0	0.0	0.0	0.0	0.0
HA05027	249.7	4.0	62.4	30.0	62.4	4.0	30.0	0.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA05028	185.4	2.0	92.7	42.0	92.7	2.0	42.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA05029	500.3	5.0	100.0	44.0	100.0	5.0	44.0	0.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA05030	445.7	2.0	222.8	55.0	222.8	2.0	55.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA05031	539.7	5.0	107.9	30.0	181.8	1.0	50.0	50.0	20.0	0.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0
HA05032	713.4	9.0	79.2	31.0	107.1	1.0	42.0	46.1	7.6	7.6	30.7	0.0	0.0	0.0	0.0	0.0	7.6
HA05033	1026.8	6.0	171.1	45.0	171.1	6.0	45.0	20.0	40.0	20.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0
HA05035	839.5	4.0	209.8	46.0	245.2	1.0	53.0	37.5	25.0	0.0	37.5	0.0	0.0	0.0	0.0	0.0	0.0
HA05036	178.9	5.0	35.7	18.0	62.6	2.0	32.0	16.6	50.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA05037	284.8	4.0	71.2	36.0	73.2	2.0	37.0	0.0	40.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA05039	585.7	4.0	146.4	40.0	146.4	4.0	40.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
HA05041	195.4	6.0	32.5	19.0	56.3	2.0	34.0	0.0	66.6	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0
HA05042	549.8	7.0	78.5	22.0	219.7	1.0	61.0	60.0	0.0	30.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
HA05044	371.8	6.0	61.9	26.0	110.0	2.0	46.0	28.5	42.8	0.0	14.2	0.0	14.2	0.0	0.0	0.0	0.0
HA05045	545.9	5.0	109.1	32.0	137.1	3.0	40.0	30.0	20.0	20.0	0.0	20.0	10.0	0.0	0.0	0.0	0.0
HA05047	335.8	2.0	167.9	43.0	183.0	1.0	46.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA05048	310.2	2.0	155.1	43.0	155.1	2.0	43.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA05050	316.8	4.0	79.2	30.0	164.1	1.0	63.0	20.0	20.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA05051	491.4	13.0	37.7	18.0	51.0	1.0	24.0	57.1	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA05052	287.5	4.0	71.9	23.0	144.1	1.0	47.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA05075	712.2	5.0	142.4	35.0	274.8	1.0	67.0	80.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0

Tabla C.28. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Coahuila.

Municipio	Estadísticos de la lluvia promedio municipal				Lámina de lluvia mínima anual de diferentes períodos de retorno (Tr)							Tr(años)	
	Media X_c (mm)	Mediana (mm)	Desv Std S(mm)	Coefficientes g k Cv	2 años Hp(mm)	5 años Hp(mm)	10 años Hp(mm)	20 años Hp(mm)	50 años Hp(mm)	100 años Hp(mm)	primer decil	lluvia mínima registrada Hp min(mm)	Tr(años) para Hp min
Abasolo	356.9	349.0	146.2	0.6 3.4 0.41	331.0	246.0	193.0	143.0	74.0	22.0	12.0	120.9	26.9
Acuña	181.8	171.5	60.5	0.5 2.7 0.33	168.0	132.0	112.0	93.0	60.0	49.0	7.7	98.8	16.0
Allende	367.2	326.5	177.1	0.8 3.5 0.48	317.0	204.0	137.0	62.0	0.0	0.0	6.5	109.4	13.1
Arteaga	455.2	421.7	195.3	0.6 2.8 0.43	402.0	286.0	217.0	149.0	53.0	0.0	6.7	186.7	13.6
Candela	359.6	335.1	130.3	0.6 3.3 0.36	336.0	261.0	216.0	172.0	114.0	69.0	18.8	120.9	44.7
Castaños	234.6	230.7	102.9	1.5 8.0 0.44	225.0	139.0	76.0	8.0	0.0	0.0	5.7	71.5	10.5
Cuatrociénegas	178.4	174.0	86.6	0.6 3.4 0.49	164.0	105.0	63.0	14.0	0.0	0.0	8.0	39.0	14.2
Escobedo	359.6	335.1	130.3	0.6 3.3 0.36	336.0	261.0	216.0	172.0	114.0	69.0	18.8	120.9	44.7
Francisco I. Madero	204.8	210.1	69.8	0.7 4.3 0.34	153.4	91.7	50.8	11.7	0.0	0.0	2.3	114.1	3.5
Frontera	301.9	268.5	149.1	1.0 4.3 0.49	248.0	153.0	86.0	4.0	0.0	0.0	4.8	94.2	9.2
General Cepeda	284.3	264.8	97.3	1.1 4.3 0.34	264.0	209.0	173.0	136.0	83.0	36.0	5.5	163.4	12.0
Guerrero	371.4	347.5	171.2	0.6 3.2 0.46	346.0	220.0	139.0	56.0	0.0	0.0	7.1	109.4	12.8
Hidalgo	371.4	347.5	171.2	0.6 3.2 0.46	346.0	220.0	139.0	56.0	0.0	0.0	7.1	109.4	12.8
Jiménez	367.2	326.5	177.1	0.8 3.5 0.48	317.0	204.0	137.0	62.0	0.0	0.0	6.5	109.4	13.1
Juárez	371.4	347.5	171.2	0.6 3.2 0.46	346.0	220.0	139.0	56.0	0.0	0.0	7.1	109.4	12.8
Lamadrid	271.0	264.1	107.0	0.9 4.2 0.39	266.0	192.0	145.0	99.0	41.0	0.0	10.9	94.2	21.7
Matamoros	250.9	238.2	87.0	0.6 3.7 0.35	232.0	178.0	146.0	116.0	77.0	48.0	7.4	132.2	13.8
Monclova	305.1	265.3	107.7	1.0 4.6 0.35	255.0	224.0	195.0	128.0	24.0	0.0	9.1	160.9	14.9
Morelos	367.2	326.5	177.1	0.8 3.5 0.48	317.0	204.0	137.0	62.0	0.0	0.0	6.5	109.4	13.1
Múzquiz	403.6	376.0	183.5	0.8 4.3 0.45	372.0	254.0	177.0	97.0	0.0	0.0	8.5	106.7	18.4
Nadadores	271.0	264.1	107.0	0.9 4.2 0.39	266.0	192.0	145.0	99.0	41.0	0.0	10.9	94.2	21.7
Nava	371.4	347.5	171.2	0.6 3.2 0.46	346.0	220.0	139.0	56.0	0.0	0.0	7.1	109.4	12.8
Ocampo	269.4	268.0	82.5	1.1 5.9 0.31	263.0	207.0	171.0	136.0	91.0	56.0	7.7	147.6	15.9
Parras	301.2	265.2	112.5	0.8 4.0 0.37	264.0	215.0	179.0	122.0	20.0	0.0	12.7	118.0	20.9
Piedras Negras	367.2	326.5	177.1	0.8 3.5 0.48	317.0	204.0	137.0	62.0	0.0	0.0	6.5	109.4	13.1
Progreso	353.1	335.1	147.9	0.7 3.3 0.42	325.0	229.0	169.0	109.0	25.0	0.0	8.5	120.9	17.5
Ramos Arizpe	240.6	223.0	82.0	0.7 3.5 0.34	219.0	167.0	145.0	122.0	83.0	43.0	8.7	109.2	28.2
Sabinas	387.4	378.4	150.6	0.6 3.4 0.39	377.0	249.0	158.0	64.0	0.0	0.0	6.2	154.5	10.3
Sacramento	204.1	179.6	111.2	0.8 3.5 0.54	181.0	123.0	86.0	49.0	0.0	0.0	10.2	39.0	24.0
Saltillo	298.2	273.2	97.7	0.9 3.7 0.33	272.0	218.0	184.0	149.0	97.0	52.0	5.6	172.4	12.6
San Buenaventura	329.7	310.2	132.1	0.9 4.0 0.40	320.0	255.0	212.0	170.0	111.0	60.0	22.1	106.7	53.0
San Juan de Sabinas	405.0	397.6	159.6	1.0 3.9 0.39	355.0	254.0	199.0	107.0	0.0	0.0	5.7	179.1	12.1
San Pedro	223.8	214.8	87.8	0.5 2.9 0.39	210.0	151.0	115.0	81.0	33.0	0.0	9.1	86.3	17.8
Sierra Mojada	360.4	360.0	127.8	-0.2 2.6 0.35	361.0	256.0	198.0	146.0	78.0	29.0	14.3	127.5	25.5
Torreón	193.5	176.5	75.6	1.2 5.2 0.39	178.0	130.0	97.0	62.0	7.0	0.0	4.9	99.8	9.5
Viesca	200.2	194.2	78.1	0.9 4.2 0.39	188.0	120.0	100.0	55.0	0.0	0.0	3.3	99.8	10.1
Villa Unión	371.4	347.5	171.2	0.6 3.2 0.46	346.0	220.0	139.0	56.0	0.0	0.0	7.1	109.4	12.8
Zaragoza	355.8	334.0	181.7	1.0 4.1 0.51	318.0	205.0	127.0	45.0	0.0	0.0	6.0	109.4	11.7
Estatal	300.5	288.7	81.3	0.7 3.6 0.27	284.0	228.0	193.0	154.0	96.0	46.0	7.5	169.9	15.2

Tabla C.29. Características estadísticas de la lluvia anual de cada municipio del estado de Coahuila.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Abasolo	179.8	238.7	297.7	356.6	415.5	474.4	533.3	592.3	651.2	710.1	12.8	5.1	7.9	20.5	17.9	2.5	10.2	2.5	5.1	5.1
Acuña	119.0	139.1	159.3	179.5	199.7	219.8	240.0	260.2	280.3	300.5	16.0	16.0	8.0	16.0	8.0	4.0	16.0	4.0	4.0	8.0
Allende	178.9	248.4	317.9	387.4	456.9	526.3	595.8	665.3	734.8	804.3	13.5	16.2	3.5	10.8	21.6	8.1	5.4	0.0	5.4	5.4
Arteaga	255.6	324.4	393.3	462.1	531.0	599.8	668.7	737.5	806.4	875.2	12.5	18.7	5.6	12.5	9.3	3.1	9.3	9.3	3.1	6.2
Candela	175.6	230.3	285.0	339.7	394.4	449.0	503.7	558.4	613.1	667.8	5.1	7.6	5.3	23.0	17.9	10.2	2.5	7.6	5.1	5.1
Castafios	127.8	184.1	240.3	296.6	352.9	409.2	465.5	521.7	578.0	634.3	12.1	26.8	9.5	19.5	14.6	2.4	2.4	0.0	0.0	2.4
Cuatrociénegas	76.8	114.5	152.3	190.0	227.8	265.5	303.3	341.0	378.8	416.5	11.1	11.1	2.2	20.0	11.1	6.6	6.6	8.8	0.0	2.2
Escobedo	175.6	230.3	285.0	339.7	394.4	449.0	503.7	558.4	613.1	667.8	5.1	7.6	5.3	23.0	17.9	10.2	2.5	7.6	5.1	5.1
Francisco I. Madero	141.8	169.5	197.2	224.9	252.6	280.3	308.0	335.7	363.4	391.1	21.7	17.3	8.6	17.3	13.0	8.6	8.6	0.0	0.0	4.3
Frontera	157.9	221.6	285.3	349.0	412.7	476.3	540.0	603.7	667.4	731.1	16.6	23.3	3.3	13.3	13.3	6.6	6.6	3.3	0.0	3.3
General Cepeda	203.8	244.2	284.6	325.0	365.4	405.8	446.2	486.6	527.0	567.4	24.3	16.2	3.5	18.9	8.1	5.4	5.4	2.7	2.7	2.7
Guerrero	178.9	248.4	317.9	387.4	456.9	526.3	595.8	665.3	734.8	804.3	13.9	13.9	1.6	16.2	16.2	9.3	6.9	4.6	2.3	4.6
Hidalgo	178.9	248.4	317.9	387.4	456.9	526.3	595.8	665.3	734.8	804.3	13.9	13.9	1.6	16.2	16.2	9.3	6.9	4.6	2.3	4.6
Jiménez	178.9	248.4	317.9	387.4	456.9	526.3	595.8	665.3	734.8	804.3	13.5	16.2	3.5	10.8	21.6	8.1	5.4	0.0	5.4	5.4
Juárez	178.9	248.4	317.9	387.4	456.9	526.3	595.8	665.3	734.8	804.3	13.9	13.9	1.6	16.2	16.2	9.3	6.9	4.6	2.3	4.6
Lamadrid	139.1	184.0	228.9	273.8	318.7	363.5	408.4	453.3	498.2	543.1	9.0	15.1	5.1	21.2	15.1	12.1	3.0	0.0	3.0	6.0
Matamoros	159.9	187.5	215.2	242.8	270.5	298.1	325.7	353.4	381.0	408.7	14.2	14.2	7.1	14.2	21.4	0.0	7.1	7.1	0.0	14.2
Monclova	201.1	241.2	281.4	321.5	361.7	401.9	442.0	482.2	522.3	562.5	12.5	18.7	5.0	6.2	12.5	6.2	6.2	6.2	0.0	6.2
Morelos	178.9	248.4	317.9	387.4	456.9	526.3	595.8	665.3	734.8	804.3	13.5	16.2	3.5	10.8	21.6	8.1	5.4	0.0	5.4	5.4
Múzquiz	194.4	282.1	369.8	457.5	545.3	633.0	720.7	808.4	896.1	983.8	6.6	17.7	20.0	26.6	8.8	4.4	13.3	0.0	0.0	2.2
Nadadores	139.1	184.0	228.9	273.8	318.7	363.5	408.4	453.3	498.2	543.1	9.0	15.1	5.1	21.2	15.1	12.1	3.0	0.0	3.0	6.0
Nava	178.9	248.4	317.9	387.4	456.9	526.3	595.8	665.3	734.8	804.3	13.9	13.9	1.6	16.2	16.2	9.3	6.9	4.6	2.3	4.6
Ocampo	184.1	220.7	257.2	293.7	330.3	366.8	403.3	439.8	476.4	512.9	13.0	21.7	3.0	13.0	26.0	0.0	8.6	0.0	0.0	4.3
Parras	162.1	206.2	250.3	294.4	338.5	382.5	426.6	470.7	514.8	558.9	8.0	4.0	2.0	12.0	8.0	8.0	20.0	0.0	0.0	8.0
Piedras Negras	178.9	248.4	317.9	387.4	456.9	526.3	595.8	665.3	734.8	804.3	13.5	16.2	3.5	10.8	21.6	8.1	5.4	0.0	5.4	5.4
Progreso	182.6	244.3	306.0	367.7	429.4	491.0	552.7	614.4	676.1	737.8	10.2	10.2	3.0	15.3	12.8	10.2	7.6	2.5	5.1	2.5
Ramos Arizpe	149.2	189.2	229.2	269.2	309.2	349.1	389.1	429.1	469.1	509.1	9.3	26.5	4.0	10.9	14.0	18.7	3.1	1.5	0.0	1.6
Sabinas	220.7	286.9	353.1	419.3	485.5	551.7	617.9	684.1	750.3	816.5	16.1	9.6	20.9	14.5	16.1	11.2	3.2	4.8	0.0	3.2
Sacramento	85.3	131.5	177.8	224.0	270.3	316.5	362.8	409.0	455.3	501.5	13.3	8.8	2.2	24.4	4.4	8.8	8.8	0.0	6.6	2.2
Saltillo	211.9	251.4	290.9	330.4	369.9	409.4	448.9	488.4	527.9	567.4	21.6	13.5	8.9	13.5	8.1	10.8	2.7	5.4	2.7	2.7
San Buenaventura	163.9	221.0	278.2	335.4	392.6	449.7	506.9	564.1	621.2	678.4	6.8	13.3	3.3	28.8	15.5	6.6	2.2	4.4	4.4	4.4
San Juan de Sabinas	244.6	310.2	375.7	441.3	506.8	572.3	637.9	703.4	769.0	834.5	12.9	22.5	2.9	16.1	14.5	8.0	3.2	3.2	1.6	4.8
San Pedro	119.9	153.5	187.1	220.7	254.3	287.9	321.5	355.1	388.7	422.3	13.3	8.8	5.5	17.7	11.1	8.8	11.1	2.2	4.4	6.6
Sierra Mojada	170.7	213.9	257.1	300.3	343.5	386.7	429.9	473.1	516.3	559.5	8.0	4.0	6.0	4.0	8.0	16.0	8.0	12.0	12.0	12.0
Torreón	130.5	161.1	191.8	222.5	253.2	283.8	314.5	345.2	375.8	406.5	26.0	8.6	21.7	17.3	4.3	13.0	0.0	4.3	0.0	4.3
Viesca	130.5	161.1	191.8	222.5	253.2	283.8	314.5	345.2	375.8	406.5	26.0	13.0	8.6	17.3	8.6	17.3	0.0	4.3	0.0	4.3
Villa Unión	178.9	248.4	317.9	387.4	456.9	526.3	595.8	665.3	734.8	804.3	13.9	13.9	1.6	16.2	16.2	9.3	6.9	4.6	2.3	4.6
Zaragoza	184.2	259.1	333.9	408.8	483.6	558.4	633.3	708.1	783.0	857.8	18.9	16.2	0.8	24.3	8.1	10.8	0.0	5.4	2.7	2.7
Estatal	207.6	245.4	283.1	320.9	358.6	396.3	434.1	471.8	509.6	547.3	9.0	21.8	4.5	16.3	12.7	14.5	5.4	1.8	1.8	1.8

Tabla C.30. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Coahuila.

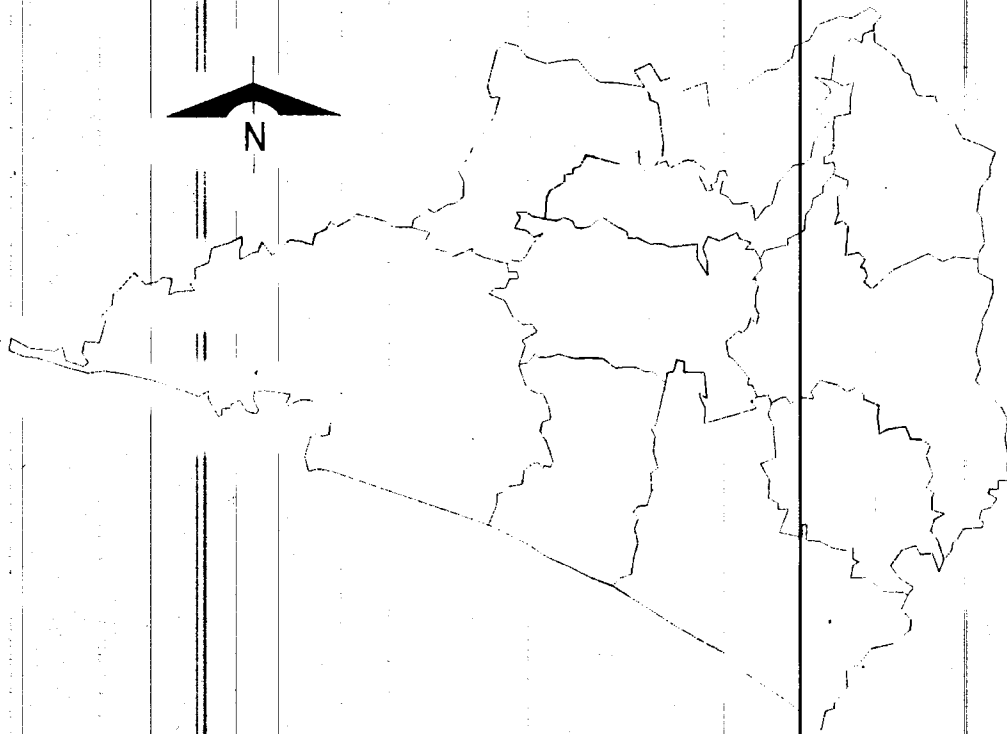
Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad Per(años)	DesvStd PerS (años)	Duración DS(años)	DesvStd DS (años)	Severidad SS(mm)	DesvStd SS (mm)	Intensidad IS(mm/año)	% de IS respecto a X _o	Lluvia disponible Hp disp S(mm)	Hp disp S(mm)		
Abasco	3.8	1.9	2.2	1.4	216.4	180.8	98.3	27.0	248.5	4.3	MUY VASTA	
Acuña	4.0	2.2	2.1	1.5	88.9	108.5	42.3	23.0	139.5	3.9	MUY VASTA	
Allende	4.0	1.1	2.0	1.3	260.9	216.0	130.4	35.0	236.7	3.6	MUY CRITICA	
Arteaga	3.9	1.8	2.3	1.3	323.3	240.1	140.5	30.0	314.7	3.8	MUY VASTA	
Candela	3.4	1.8	2.1	1.4	179.3	175.0	85.3	23.0	274.3	4.1	MUY VASTA	
Castañeros	4.6	1.6	2.5	1.3	167.8	168.8	67.1	28.0	167.4	3.6	MUY VASTA	
Cuatrociénegas	3.5	1.3	2.0	1.0	114.4	90.6	57.2	32.0	121.2	3.8	MUY CRITICA	
Escobedo	3.4	1.8	2.1	1.4	179.3	175.0	85.3	23.0	274.3	4.1	MUY VASTA	
Francisco I. Madero	5.0	0.7	2.1	0.9	127.9	84.2	60.9	29.0	148.8	2.3	MUY VASTA	
Frontera	4.1	0.9	2.0	1.2	222.8	154.6	111.4	36.0	190.4	3.4	MUY CRITICA	
General Cepeda	4.4	2.2	2.5	1.0	170.9	52.0	68.3	24.0	216.0	4.4	MUY VASTA	
Guerrero	4.2	1.1	2.0	1.2	270.1	192.7	135.0	36.0	236.4	4.4	MUY CRITICA	
Hidalgo	4.2	1.1	2.0	1.2	270.1	192.7	135.0	36.0	236.4	4.4	MUY CRITICA	
Jiménez	4.0	1.1	2.0	1.3	260.9	216.0	130.4	35.0	236.7	3.6	MUY CRITICA	
Juárez	4.2	1.1	2.0	1.2	270.1	192.7	135.0	36.0	236.4	4.4	MUY CRITICA	
Lamadrid	4.5	1.1	2.3	1.3	166.6	91.5	72.4	26.0	196.6	4.6	MUY VASTA	
Matamoros	4.0	1.0	2.6	0.9	157.4	103.3	60.5	24.0	194.3	3.9	MUY VASTA	
Monclova	3.6	1.6	2.2	1.0	170.7	68.0	77.5	25.0	227.5	4.4	MUY VASTA	
Morelos	4.0	1.1	2.0	1.3	260.9	216.0	130.4	35.0	236.7	3.6	MUY CRITICA	
Múzquiz	5.2	2.1	2.8	1.6	351.8	323.8	125.6	31.0	278.0	4.1	MUY CRITICA	
Nadadores	4.5	1.1	2.3	1.3	166.6	91.5	72.4	26.0	196.6	4.6	MUY VASTA	
Nava	4.2	1.1	2.0	1.2	270.1	192.7	135.0	36.0	236.4	4.4	MUY CRITICA	
Ocampo	4.2	1.1	2.0	1.0	117.9	51.0	58.9	21.0	210.5	4.7	MUY VASTA	
Parras	4.0	2.0	2.0	0.9	160.2	78.0	80.0	26.0	221.2	4.4	MUY VASTA	
Piedras Negras	4.0	1.1	2.0	1.3	260.9	216.0	130.4	35.0	236.7	3.6	MUY CRITICA	
Progreso	3.5	1.1	1.9	1.2	209.2	165.7	110.1	31.0	243.0	4.3	CRITICA	
Ramos Arizpe	4.6	2.0	2.7	1.7	171.2	142.4	63.4	26.0	177.2	3.6	MUY VASTA	
Sabinas	3.6	1.7	1.8	1.3	221.4	241.1	123.0	31.0	264.3	4.4	CRITICA	
Sacramento	4.6	2.2	2.7	2.3	194.0	163.0	71.8	36.0	132.3	4.2	MUY CRITICA	
Saltillo	3.3	1.2	2.0	0.8	130.0	87.4	65.0	21.0	233.1	3.7	MUY VASTA	
San Buenaventura	4.0	2.5	2.5	2.0	202.5	204.9	81.0	24.0	248.6	5.5	MUY VASTA	
San Juan de Sabinas	3.4	1.9	1.7	1.4	214.6	249.7	126.2	31.0	278.8	3.4	CRITICA	
San Pedro	5.3	2.9	2.7	2.4	175.7	258.7	65.0	29.0	158.7	4.3	MUY VASTA	
Sierra Mojada	3.3	1.5	2.0	1.3	184.5	183.2	92.2	25.0	268.1	4.4	MUY VASTA	
Torreón	5.5	0.5	2.6	1.3	134.1	119.3	51.5	26.0	141.9	3.9	MUY VASTA	
Viesca	5.5	0.5	2.4	1.4	144.1	129.3	60.0	29.0	140.1	2.5	MUY VASTA	
Villa Unión	4.2	1.1	2.0	1.2	270.1	192.7	135.0	36.0	236.4	4.4	MUY CRITICA	
Zaragoza	4.0	1.6	2.2	1.8	255.7	206.9	116.2	32.0	239.5	3.7	MUY CRITICA	
Estatal	5.1	2.7	3.1	2.1	179.3	150.0	57.8	19.0	242.6	3.8	EXTREMADAMENTE SEVERA	

Tabla C.31. Características de la sequía promedio de cada municipio del estado de Coahuila.

Municipio	Características máximas de la sequía meteorológica municipal						Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad	Duración	I^* = $S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / $máx$	% de $I_{máx}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Abasolo	539.7	5.0	107.9	30.0	181.8	1.0	50.0	50.0	20.0	0.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0
Acuña	343.7	5.0	68.7	37.0	68.7	5.0	37.0	57.1	14.2	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Allende	562.4	3.0	187.4	51.0	198.6	1.0	54.0	60.0	0.0	30.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
Arteaga	839.5	4.0	209.8	46.0	245.2	1.0	53.0	37.5	25.0	0.0	37.5	0.0	0.0	0.0	0.0	0.0	0.0
Candela	553.7	5.0	110.7	30.0	110.7	5.0	30.0	45.4	27.2	0.0	18.1	9.0	0.0	0.0	0.0	0.0	0.0
Castañeros	580.0	5.0	116.0	49.0	116.0	5.0	49.0	22.2	44.4	0.0	22.2	11.1	0.0	0.0	0.0	0.0	0.0
Cuatrociénegas	354.3	3.0	118.1	66.0	118.1	3.0	66.0	38.4	30.7	15.3	15.3	0.0	0.0	0.0	0.0	0.0	0.0
Escobedo	553.7	5.0	110.7	30.0	110.7	5.0	30.0	45.4	27.2	0.0	18.1	9.0	0.0	0.0	0.0	0.0	0.0
Fco I. Madero	262.3	4.0	65.5	31.0	83.2	2.0	40.0	20.0	60.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Frontera	490.9	4.0	122.7	40.0	207.6	1.0	68.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
General Cepeda	222.0	2.0	111.0	39.0	111.0	2.0	39.0	12.5	50.0	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Guerrero	575.2	3.0	191.7	51.0	202.9	1.0	54.0	45.4	27.2	18.1	0.0	9.0	0.0	0.0	0.0	0.0	0.0
Hidalgo	575.2	3.0	191.7	51.0	202.9	1.0	54.0	45.4	27.2	18.1	0.0	9.0	0.0	0.0	0.0	0.0	0.0
Jiménez	562.4	3.0	187.4	51.0	198.6	1.0	54.0	60.0	0.0	30.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
Juárez	575.2	3.0	191.7	51.0	202.9	1.0	54.0	45.4	27.2	18.1	0.0	9.0	0.0	0.0	0.0	0.0	0.0
Lamadrid	322.0	4.0	80.5	29.0	176.8	1.0	65.0	37.5	25.0	0.0	37.5	0.0	0.0	0.0	0.0	0.0	0.0
Matamoros	281.8	4.0	70.4	28.0	80.8	2.0	32.0	0.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Monclova	287.5	4.0	71.9	23.0	144.1	1.0	47.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Morelos	562.4	3.0	187.4	51.0	198.6	1.0	54.0	60.0	0.0	30.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
Múzquiz	1178.1	6.0	196.3	48.0	206.5	1.0	51.0	22.2	33.3	11.1	11.1	11.1	0.0	0.0	0.0	0.0	0.0
Nadadores	322.0	4.0	80.5	29.0	176.8	1.0	65.0	37.5	25.0	0.0	37.5	0.0	0.0	0.0	0.0	0.0	0.0
Nava	575.2	3.0	191.7	51.0	202.9	1.0	54.0	45.4	27.2	18.1	0.0	9.0	0.0	0.0	0.0	0.0	0.0
Ocampo	194.4	4.0	48.6	18.0	96.9	1.0	35.0	33.3	50.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Parras	265.0	4.0	66.2	21.0	131.1	2.0	43.0	28.5	57.1	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Piedras Negras	562.4	3.0	187.4	51.0	198.6	1.0	54.0	60.0	0.0	30.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
Progreso	521.2	5.0	104.2	29.0	165.1	1.0	46.0	45.4	27.2	18.1	0.0	9.0	0.0	0.0	0.0	0.0	0.0
Ramos Arizpe	547.3	6.0	91.2	37.0	111.2	1.0	46.0	30.7	30.7	0.0	23.0	0.0	15.3	0.0	0.0	0.0	0.0
Sabinas	1079.2	6.0	179.8	46.0	201.3	1.0	51.0	58.8	23.5	5.8	5.8	0.0	5.8	0.0	0.0	0.0	0.0
Sacramento	486.0	8.0	60.7	29.0	143.7	3.0	70.0	60.0	0.0	10.0	0.0	20.0	0.0	0.0	10.0	0.0	0.0
Saltillo	277.2	4.0	69.3	23.0	122.8	2.0	41.0	27.2	54.5	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Buenaventura	734.6	6.0	122.4	37.0	136.9	1.0	41.0	45.4	27.2	0.0	9.0	0.0	9.0	9.0	0.0	0.0	0.0
Sn J de Sabinas	1121.9	7.0	160.2	39.0	219.0	1.0	54.0	61.1	27.7	0.0	5.5	0.0	0.0	5.5	0.0	0.0	0.0
San Pedro	892.5	9.0	99.1	44.0	99.1	9.0	44.0	44.4	11.1	22.2	11.1	0.0	0.0	0.0	0.0	11.1	0.0
Sierra Mojada	585.7	4.0	146.4	40.0	146.4	4.0	40.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Torreón	355.2	5.0	71.0	36.0	71.0	5.0	36.0	20.0	40.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Viesca	388.7	5.0	77.7	38.0	77.7	5.0	38.0	40.0	20.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Villa Unión	575.2	3.0	191.7	51.0	202.9	1.0	54.0	45.4	27.2	18.1	0.0	9.0	0.0	0.0	0.0	0.0	0.0
Zaragoza	549.8	7.0	78.5	22.0	219.7	1.0	61.0	60.0	0.0	30.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
Estatat	536.0	7.0	76.5	25.0	82.2	2.0	27.0	30.0	30.0	0.0	10.0	10.0	10.0	10.0	0.0	0.0	0.0

Tabla C.32. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Coahuila.

COLIMA



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
X _c (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp mín(mm)	Hp mín	
HA06001	766.3	678.9	231.4	1.4	5.4	0.30	663.0	564.0	492.0	384.0	156.0	0.0	3.2	501.9	9.2
HA06002	1081.5	1062.8	224.0	0.1	3.0	0.21	1061.0	900.0	803.0	705.0	569.0	457.0	13.7	666.5	26.2
HA06003	866.4	833.6	260.7	0.6	4.1	0.30	824.0	657.0	546.0	428.0	248.0	90.0	17.1	333.9	32.9
HA06004	828.3	799.3	171.4	0.8	4.2	0.21	805.0	714.0	656.0	597.0	516.0	448.0	12.9	566.9	28.5
HA06008	769.4	747.3	189.3	-0.1	2.7	0.25	755.0	608.0	535.0	467.0	377.0	308.0	25.6	365.3	56.5
HA06009	1098.2	1095.3	235.0	-0.1	3.6	0.21	1093.0	929.0	812.0	686.0	500.0	348.0	21.7	559.0	37.8
HA06012	812.2	793.8	205.2	1.1	5.8	0.25	755.0	604.0	494.0	357.0	138.0	0.0	4.1	531.2	8.0
HA06013	736.2	722.3	187.7	0.0	3.6	0.25	710.0	573.0	529.0	431.0	264.0	139.0	30.4	270.8	48.3
HA06015	638.4	611.3	156.2	0.8	5.5	0.24	619.0	553.0	403.0	259.0	76.0	0.0	9.3	341.9	13.4
HA06017	830.3	782.0	174.3	0.5	2.5	0.21	783.0	682.0	627.0	576.0	511.0	462.0	6.1	613.8	11.9
HA06020	691.1	664.0	176.8	0.7	4.8	0.26	651.0	539.0	467.0	387.0	261.0	151.0	8.6	413.5	16.1
HA06021	1068.7	1003.6	324.1	0.9	4.4	0.30	1003.0	825.0	706.0	570.0	339.0	125.0	10.7	549.6	21.9
HA06023	773.5	726.6	277.3	1.7	8.0	0.36	779.0	530.0	367.0	210.0	6.0	0.0	4.0	448.2	7.0
HA06024	779.2	739.0	257.2	0.4	2.2	0.33	708.0	569.0	478.0	403.0	306.0	231.0	8.4	412.0	18.4
HA06025	740.5	669.0	257.6	0.7	3.0	0.35	647.0	524.0	455.0	387.0	290.0	205.0	5.3	426.3	13.4
HA06040	855.3	861.3	198.3	0.0	2.6	0.23	852.0	691.0	594.0	502.0	383.0	294.0	11.9	494.4	21.2
HA06042	780.2	758.8	231.0	0.2	3.6	0.30	765.0	590.0	474.0	357.0	193.0	60.0	15.9	294.5	28.5
HA06043	811.5	942.8	133.6	0.2	2.9	0.15	910.0	779.0	753.0	728.0	693.0	662.0	6.9	726.9	20.4
HA06052	849.1	824.0	214.1	0.4	3.1	0.25	811.0	663.0	579.0	499.0	393.0	312.0	6.8	554.0	12.3

Tabla C.33. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Colima.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
HA06001	606.8	711.7	816.6	921.5	1026.5	1131.4	1236.3	1341.2	1446.1	1551.0	29.2	24.3	17.0	9.7	4.8	7.3	4.8	0.0	0.0	2.4
HA06002	759.4	852.2	945.1	1037.9	1130.8	1223.7	1316.5	1409.4	1502.2	1595.1	10.0	10.0	5.0	20.0	15.0	7.5	17.5	10.0	0.0	5.0
HA06003	455.5	577.0	698.6	820.1	941.6	1063.2	1184.8	1306.3	1427.9	1549.4	4.7	4.7	16.6	21.4	21.4	11.9	11.9	2.3	0.0	4.7
HA06004	634.0	701.1	768.1	835.2	902.3	969.4	1036.5	1103.5	1170.6	1237.7	10.0	13.3	13.3	23.3	13.3	10.0	3.3	3.3	3.3	6.6
HA06008	442.6	519.9	597.1	674.4	751.7	829.0	906.3	983.5	1060.8	1138.1	6.9	0.0	13.9	11.6	18.6	9.3	9.3	18.6	4.6	6.9
HA06009	670.6	782.2	893.8	1005.4	1117.0	1228.6	1340.2	1451.8	1563.4	1675.0	6.8	2.2	9.0	11.3	29.5	15.9	6.8	11.3	4.5	2.2
HA06012	632.6	734.0	835.4	936.8	1038.2	1139.5	1240.9	1342.3	1443.7	1545.1	23.8	9.5	23.8	23.8	7.1	7.1	2.3	0.0	0.0	2.3
HA06013	354.8	438.9	522.9	606.9	690.9	775.0	859.0	943.0	1027.1	1111.1	3.3	0.0	0.0	30.0	6.6	16.6	20.0	6.6	10.0	6.6
HA06015	419.1	496.4	573.6	650.8	728.1	805.3	882.5	959.7	1037.0	1114.2	6.8	13.7	3.4	41.3	10.3	10.3	10.3	0.0	0.0	3.4
HA06017	664.8	715.9	766.9	818.0	869.0	920.0	971.1	1022.1	1073.2	1124.2	15.7	21.0	10.5	10.5	5.2	5.2	5.2	5.2	5.2	15.7
HA06020	482.7	552.0	621.2	690.4	759.7	828.9	898.1	967.3	1036.6	1105.8	6.6	26.6	0.0	26.6	0.0	20.0	13.3	0.0	0.0	6.6
HA06021	693.5	837.3	981.2	1125.1	1269.0	1412.8	1556.7	1700.6	1844.4	1988.3	3.3	23.3	6.6	26.6	16.6	10.0	3.3	6.6	0.0	3.3
HA06023	586.5	724.7	863.0	1001.2	1139.5	1277.7	1416.0	1554.2	1692.5	1830.7	21.6	27.0	18.9	18.9	5.4	5.4	0.0	0.0	0.0	2.7
HA06024	498.0	584.0	670.1	756.1	842.1	928.1	1014.1	1100.2	1186.2	1272.2	17.0	9.7	14.6	14.6	4.8	7.3	7.3	9.7	4.8	9.7
HA06025	516.9	607.5	698.2	788.8	879.4	970.0	1060.6	1151.3	1241.9	1332.5	17.2	24.1	17.2	0.0	13.7	10.3	0.0	10.3	3.4	3.4
HA06040	570.5	646.6	722.8	798.9	875.0	951.1	1027.2	1103.4	1179.5	1255.6	10.5	10.5	2.6	15.7	15.7	13.1	13.1	5.2	7.8	5.2
HA06042	395.7	496.8	597.9	699.1	800.2	901.4	1002.6	1103.7	1204.9	1306.0	3.5	7.1	10.7	10.7	28.5	10.7	10.7	10.7	3.5	3.5
HA06043	766.6	806.2	845.9	885.6	925.2	964.9	1004.6	1044.3	1083.9	1123.6	14.2	14.2	14.2	0.0	7.1	0.0	35.7	0.0	0.0	14.2
HA06052	623.6	693.2	762.8	832.4	902.0	971.6	1041.2	1110.8	1180.4	1250.0	6.6	26.6	6.6	13.3	13.3	0.0	20.0	0.0	6.6	6.6

Tabla C.34. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Colima.

Estación	Características promedio de la sequía meteorológica								Hvía disponible Hp disp S(mm)	Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad PerS(años)	DesvStd ParS (años)	Duración DS(años)	DesvStd DS (años)	Severidad SS(mm)	DesvStd SS (mm)	Intensidad IS(mm/año)	% de IS respecto a Xc			
HA06001	4.8	2.2	2.6	1.6	403.6	287.0	155.2	20.0	611.0	3.1	MUY SEVERA
HA06002	4.2	1.4	2.2	1.5	355.0	314.0	161.3	14.0	920.2	4.4	MUY SEVERA
HA06003	4.5	2.0	2.5	2.2	420.7	367.5	168.2	19.0	698.2	3.9	MUY SEVERA
HA06004	3.2	2.3	2.2	1.7	234.7	297.1	106.6	12.0	721.7	4.6	MUY SEVERA
HA06008	4.5	2.6	2.3	1.4	338.9	286.3	147.3	19.0	622.1	4.4	MUY SEVERA
HA06009	3.4	1.5	1.6	0.9	299.0	203.7	186.8	17.0	911.3	5.6	SEVERA
HA06012	4.3	1.7	2.5	1.8	371.9	277.1	148.7	18.0	663.4	3.3	MUY SEVERA
HA06013	3.8	1.5	2.0	1.3	283.8	175.1	141.8	19.0	594.4	3.3	MUY SEVERA
HA06015	3.1	1.7	2.2	2.0	204.1	263.5	92.7	14.0	545.7	5.2	MUY SEVERA
HA06017	3.3	1.4	1.8	1.0	234.3	122.8	130.1	15.0	700.2	4.0	SEVERA
HA06020	4.0	0.8	2.2	1.2	258.4	115.9	117.4	16.0	573.6	3.6	MUY SEVERA
HA06021	5.5	3.0	2.9	2.8	626.5	673.2	216.0	19.0	872.6	3.8	MUY SEVERA
HA06023	4.1	2.0	2.3	1.6	424.5	328.5	184.5	23.0	588.9	3.9	MUY VASTA
HA06024	3.9	2.1	2.2	1.3	412.9	317.3	187.6	24.0	591.5	3.9	MUY VASTA
HA06025	3.7	1.6	2.1	1.1	393.2	288.4	187.2	25.0	553.3	3.8	MUY VASTA
HA06040	4.1	2.2	2.0	1.6	337.3	408.9	168.6	19.0	686.7	5.1	MUY SEVERA
HA06042	5.2	1.9	2.6	1.6	410.7	601.8	157.9	20.0	622.2	4.1	MUY SEVERA
HA06043	2.7	0.8	1.3	0.4	159.8	121.4	122.9	13.0	788.6	4.0	SEVERA
HA06052	4.0	2.1	2.0	1.7	330.0	421.2	165.0	19.0	684.0	4.3	MUY SEVERA

Tabla C.35. Características de la sequía promedio de cada estación climatológica del estado de Colima.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad S máx(mm)	Duración D máx(años)	I máx(mm/año)	% de I respecto a Xc	Intensidad I máx(mm/año)	Duración I máx D I máx(años)	% de I máx respecto a Xc	1 año (%)	2 años (%)	3 años (%)	4 años (%)	5 años (%)	6 años (%)	7 años (%)	8 años (%)	9 años (%)	10 años (%)
HA06001	937.8	6.0	156.3	20.0	180.5	4.0	23.0	33.3	22.2	11.1	22.2	0.0	11.1	0.0	0.0	0.0	0.0
HA06002	1091.7	5.0	218.3	20.0	415.0	1.0	38.0	60.0	0.0	10.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0
HA06003	1271.6	4.0	317.9	36.0	335.1	1.0	38.0	60.0	10.0	0.0	10.0	10.0	0.0	0.0	10.0	0.0	0.0
HA06004	986.4	6.0	164.4	19.0	164.4	6.0	19.0	50.0	25.0	0.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0
HA06008	872.7	6.0	145.4	18.0	234.2	2.0	30.0	30.0	50.0	0.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0
HA06009	708.7	4.0	177.1	16.0	330.9	2.0	30.0	53.8	30.7	7.6	7.6	0.0	0.0	0.0	0.0	0.0	0.0
HA06012	965.5	7.0	137.9	16.0	267.8	1.0	32.0	33.3	33.3	11.1	11.1	0.0	0.0	11.1	0.0	0.0	0.0
HA06013	529.3	3.0	176.4	23.0	465.4	1.0	63.0	50.0	25.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
HA06015	831.9	7.0	118.8	18.0	189.1	1.0	29.0	62.5	12.5	0.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0
HA06017	417.0	2.0	208.5	25.0	208.5	2.0	25.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA06020	447.4	3.0	149.1	21.0	186.0	1.0	26.0	50.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA06021	2008.2	9.0	223.1	20.0	317.7	2.0	29.0	50.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0	16.6	0.0
HA06023	1114.4	4.0	278.6	36.0	278.6	4.0	36.0	44.4	22.2	11.1	11.1	0.0	11.1	0.0	0.0	0.0	0.0
HA06024	1185.1	5.0	237.0	30.0	333.9	2.0	42.0	36.3	36.3	0.0	18.1	9.0	0.0	0.0	0.0	0.0	0.0
HA06025	847.4	4.0	211.8	28.0	265.0	2.0	35.0	37.5	37.5	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA06040	1130.1	5.0	226.0	26.0	247.6	1.0	28.0	66.6	11.1	0.0	0.0	22.2	0.0	0.0	0.0	0.0	0.0
HA06042	1371.9	5.0	274.3	35.0	274.3	5.0	35.0	33.3	33.3	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0
HA06043	327.8	2.0	163.9	17.0	163.9	2.0	17.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA06052	1048.9	5.0	209.8	24.0	209.8	5.0	24.0	75.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0

Tabla C.36. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Colima.

Municipio	Estadísticos de la lluvia promedio municipal					Límites de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para	
	X _p (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _{p min} (mm)	H _{p min}	
Armeria	794.8	750.6	214.4	1.3	5.9	0.27	724.0	603.0	516.0	407.0	210.0	35.0	4.5	512.7	10.2
Colima	821.8	822.1	159.6	-0.2	2.4	0.19	824.0	720.0	657.0	597.0	521.0	464.0	22.6	531.4	44.1
Comala	691.1	664.0	176.8	0.7	4.8	0.26	651.0	539.0	467.0	387.0	261.0	151.0	8.6	413.5	16.1
Coquimatlán	781.0	763.0	158.5	0.1	2.8	0.20	769.0	640.0	576.0	514.0	428.0	358.0	22.1	435.1	46.6
Cuauhtémoc	1032.2	1004.5	184.1	0.7	4.8	0.18	1035.0	904.0	820.0	739.0	634.0	556.0	25.9	614.9	59.2
Ixtlahuacán	811.4	785.0	174.4	0.4	2.7	0.21	781.0	665.0	596.0	534.0	449.0	384.0	17.5	471.3	39.4
Manzanillo	808.1	767.4	203.8	1.5	6.7	0.25	756.0	645.0	563.0	466.0	285.0	107.0	4.6	553.0	10.8
Minatitlán	784.4	741.6	160.2	0.9	4.2	0.20	753.0	657.0	597.0	537.0	456.0	390.0	6.5	566.9	14.2
Tecomán	802.7	779.1	184.2	0.8	4.0	0.23	792.0	648.0	550.0	451.0	308.0	188.0	9.7	471.3	17.4
Villa de Álvarez	814.1	836.4	170.8	0.1	2.6	0.21	827.0	630.0	537.0	452.0	341.0	256.0	8.0	494.4	14.1
Estatad	846.0	836.5	113.1	0.4	2.8	0.13	826.0	752.0	721.0	686.0	620.0	557.0	19.8	641.0	38.7

Tabla C.37. Características estadísticas de la lluvia anual de cada municipio del estado de Colima.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Armeria	616.5	720.4	824.2	928.0	1031.9	1135.7	1239.5	1343.3	1447.2	1551.0	24.3	21.9	17.0	17.0	4.8	9.7	2.4	0.0	0.0	2.4
Colima	587.0	642.6	698.2	753.8	809.4	864.9	920.5	976.1	1031.7	1087.3	11.6	4.6	4.6	11.6	11.6	16.2	11.6	6.9	6.9	13.9
Comala	482.7	552.0	621.2	690.4	759.7	828.9	898.1	967.3	1036.6	1105.8	6.6	26.6	0.0	26.6	0.0	20.0	13.3	0.0	0.0	6.6
Coquimatlán	505.4	575.7	646.0	716.3	786.6	856.9	927.2	997.5	1067.8	1138.1	2.3	6.9	13.9	13.9	13.9	13.9	16.2	11.6	4.6	2.3
Cuauhtémoc	708.9	802.9	896.9	990.9	1084.9	1178.9	1272.9	1366.9	1460.9	1554.9	2.2	4.5	15.9	25.0	20.4	18.1	4.5	0.0	4.5	4.5
Ixtlahuacán	546.0	620.7	695.5	770.2	844.9	919.6	994.3	1069.1	1143.8	1218.5	2.2	9.0	22.7	11.3	18.1	6.8	13.6	4.5	6.8	4.5
Manzanillo	652.8	752.6	852.4	952.2	1052.0	1151.8	1251.6	1351.4	1451.2	1551.0	21.9	21.9	29.2	7.3	7.3	7.3	2.4	0.0	0.0	2.4
Minatitlán	633.4	700.0	766.5	833.1	899.6	966.1	1032.7	1099.2	1165.8	1232.3	16.6	20.0	20.0	13.3	6.6	6.6	10.0	3.3	0.0	3.3
Tecomán	554.4	637.4	720.5	803.5	886.6	969.7	1052.7	1135.8	1218.8	1301.9	4.5	13.6	15.9	18.1	18.1	15.9	4.5	2.2	2.2	4.5
Villa de Álvarez	565.2	636.1	706.9	777.8	848.6	919.4	990.3	1061.1	1132.0	1202.8	4.8	17.0	7.3	9.7	12.1	14.6	19.5	9.7	2.4	2.4
Estatad	686.3	731.5	776.8	822.1	867.3	912.6	957.9	1003.2	1048.4	1093.7	6.9	4.6	20.9	16.2	9.3	13.9	11.6	6.9	4.6	4.6

Tabla C.38. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Colima.

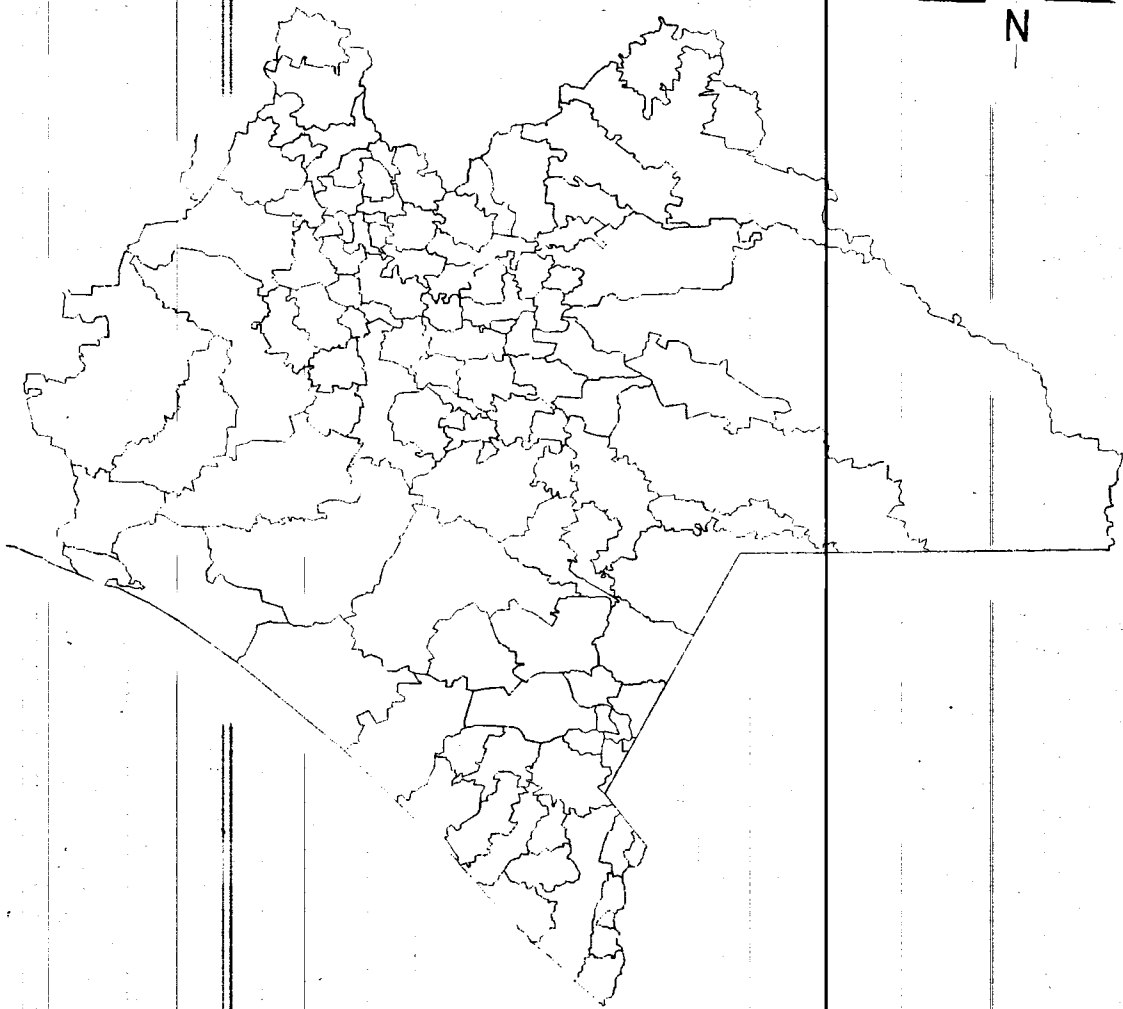
Municipio	Características promedio de la sequía meteorológica municipal								Lluvia disponible		Tr(años)	Tipo de sequía
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS	Hp disp	S(mm)	para	Meteorológica
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X ₀	Hp disp	S(mm)	Hp disp S(mm)	
Armería	4.3	2.1	2.4	1.1	338.4	214.0	141.0	17.0	653.8		3.3	MUY SEVERA
Colima	3.7	1.4	1.7	0.9	229.8	261.4	135.1	16.0	686.7		7.2	SEVERA
Comala	4.0	0.8	2.2	1.2	258.4	115.9	117.4	16.0	573.6		3.6	MUY SEVERA
Coquimatlán	3.7	1.9	1.8	0.8	235.3	163.2	130.7	16.0	650.2		4.5	SEVERA
Cuahtémoc	5.2	2.6	2.6	2.5	328.4	352.0	126.3	12.0	905.9		4.9	MUY SEVERA
Ixtlahuacán	4.2	2.2	2.2	2.1	286.5	305.4	130.2	16.0	681.1		4.3	MUY SEVERA
Manzanillo	3.9	1.3	2.4	1.3	277.9	242.3	115.7	14.0	692.3		3.3	MUY SEVERA
Minatitlán	3.2	1.1	1.8	0.8	208.1	118.8	115.6	14.0	668.8		4.4	SEVERA
Tecomán	4.2	2.2	2.0	1.9	283.6	350.3	141.8	17.0	660.9		4.6	MUY SEVERA
Villa de Álvarez	4.0	1.8	1.7	1.1	265.2	253.2	156.0	19.0	658.0		4.2	SEVERA
Estatad	4.0	1.7	1.9	1.2	181.6	161.2	95.5	11.0	750.4		5.2	SEVERA

Tabla C.39. Características de la sequía promedio de cada municipio del estado de Colima.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^m Smáx/Dmáx	% de I ^m	Intensidad	Duración / máx	% de I / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I ^m (mm/año)	respecto a X ₀	I máx(mm/año)	D / máx(años)	respecto a X ₀	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Armería	836.3	4.0	209.0	26.0	209.0	4.0	26.0	30.0	30.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Colima	782.9	3.0	260.9	31.0	260.9	3.0	31.0	50.0	33.3	8.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0
Comala	447.4	3.0	149.1	21.0	186.0	1.0	26.0	50.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Coquimatlán	491.6	2.0	245.8	31.0	245.8	2.0	31.0	41.6	41.6	8.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0
Cuahtémoc	1150.1	9.0	127.7	12.0	417.3	1.0	40.0	44.4	33.3	0.0	0.0	11.1	0.0	0.0	0.0	11.1	0.0
Ixtlahuacán	1163.8	8.0	145.4	17.0	242.2	1.0	29.0	54.5	27.2	0.0	0.0	9.0	0.0	0.0	9.0	0.0	0.0
Manzanillo	781.8	5.0	156.3	19.0	201.9	1.0	24.0	36.3	18.1	18.1	18.1	9.0	0.0	0.0	0.0	0.0	0.0
Minatitlán	430.1	2.0	215.0	27.0	215.0	2.0	27.0	33.3	55.5	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0
Tecomán	1371.4	8.0	171.4	21.0	233.0	1.0	29.0	54.5	27.2	9.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
Villa de Álvarez	898.9	5.0	179.7	22.0	289.8	2.0	35.0	54.5	36.3	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
Estatad	608.7	4.0	152.1	17.0	152.1	4.0	17.0	54.5	9.0	18.1	8.1	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.40. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Colima.

CHIAPAS



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _a (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
HA07002	756.8	758.2	212.4	-0.2	3.4	0.28	755.0	588.0	492.0	401.0	280.0	187.0	17.6	337.9	32.2
HA07003	803.8	779.7	245.8	1.1	6.0	0.31	763.0	618.0	514.0	397.0	200.0	16.0	9.4	404.9	19.2
HA07004	1974.1	1967.5	338.5	0.3	3.9	0.17	1953.0	1721.0	1573.0	1427.0	1229.0	1070.0	17.9	1304.5	35.5
HA07005	1563.8	1529.9	287.6	0.7	3.4	0.18	1515.0	1345.0	1241.0	1143.0	1015.0	918.0	15.8	1064.5	35.0
HA07006	1591.0	1554.8	303.4	0.1	3.1	0.19	1554.0	1360.0	1212.0	1024.0	756.0	551.0	14.1	993.9	22.2
HA07007	1233.0	1154.8	276.8	1.2	4.9	0.22	1170.0	1047.0	965.0	880.0	745.0	614.0	8.3	886.4	19.0
HA07008	2117.4	2051.0	588.8	1.5	6.6	0.28	1829.0	1601.0	1407.0	980.0	291.0	0.0	4.6	1332.0	11.8
HA07009	1001.8	971.3	246.7	0.4	2.9	0.25	952.0	799.0	712.0	629.0	522.0	439.0	8.4	647.7	17.1
HA07011	1149.2	1145.3	376.9	2.6	14.6	0.33	1129.0	896.0	732.0	557.0	257.0	0.0	4.9	700.7	11.4
HA07012	3433.7	3483.0	964.9	-0.4	3.1	0.28	3549.0	2651.0	2155.0	1700.0	1124.0	697.0	12.9	1639.8	22.0
HA07014	1940.8	1962.7	368.9	-0.4	3.9	0.19	1957.0	1654.0	1466.0	1285.0	1048.0	858.0	23.8	1085.3	43.4
HA07015	1197.6	1177.5	275.9	-0.5	3.3	0.23	1212.0	983.0	843.0	712.0	544.0	418.0	30.1	519.7	57.0
HA07016	1039.9	999.5	199.0	-0.1	3.4	0.19	1005.0	860.0	813.0	751.0	670.0	608.0	40.8	606.7	101.2
HA07020	2754.4	2822.3	493.4	-0.8	4.3	0.18	2800.0	2386.0	2132.0	1894.0	1589.0	1361.0	33.9	1520.9	61.5
HA07022	2207.8	2223.8	356.5	0.1	2.9	0.16	2202.0	1885.0	1721.0	1570.0	1377.0	1231.0	11.3	1565.1	20.5
HA07024	1840.5	1822.5	264.0	0.4	3.5	0.14	1794.0	1638.0	1546.0	1459.0	1347.0	1263.0	13.5	1410.0	29.9
HA07026	1556.7	1528.2	252.8	0.4	2.8	0.16	1517.0	1364.0	1271.0	1184.0	1072.0	988.0	18.7	1103.9	38.5
HA07028	773.4	727.0	184.7	1.2	5.2	0.24	716.0	655.0	617.0	579.0	526.0	481.0	15.3	524.7	51.3
HA07029	2992.5	2993.0	551.7	-0.3	3.3	0.18	3002.0	2609.0	2370.0	2144.0	1854.0	1638.0	27.4	1852.2	50.4
HA07030	1190.4	1199.1	247.9	0.4	3.4	0.21	1178.0	998.0	885.0	779.0	642.0	539.0	15.0	719.6	29.6
HA07031	1365.8	1360.5	144.8	0.3	5.0	0.11	1366.0	1294.0	1172.0	1057.0	909.0	798.0	11.2	1093.0	16.0
HA07032	4082.0	4231.3	918.8	-0.7	3.3	0.23	4232.0	3337.0	2840.0	2383.0	1801.0	1368.0	21.2	2016.5	35.5
HA07033	1867.9	1845.7	474.5	1.5	7.9	0.25	1839.0	1511.0	1284.0	1046.0	683.0	337.0	8.3	1089.6	17.7
HA07034	1180.1	1042.5	388.3	1.7	6.4	0.33	992.0	857.0	744.0	523.0	81.0	0.0	2.1	818.5	6.6
HA07035	958.6	956.2	192.5	0.0	3.5	0.20	954.0	821.0	721.0	609.0	442.0	307.0	16.6	561.5	26.3
HA07037	1874.6	1892.0	397.9	-0.2	4.2	0.21	1887.0	1598.0	1414.0	1239.0	1010.0	836.0	31.1	955.2	62.2
HA07038	3012.3	3058.2	709.2	-1.9	10.0	0.24	3121.0	2548.0	2169.0	1805.0	1335.0	982.0	97.1	661.6	188.1
HA07039	916.9	917.0	182.8	-0.2	3.0	0.20	918.0	771.0	684.0	602.0	497.0	418.0	23.2	507.2	45.5
HA07040	1359.2	1359.4	320.3	-0.2	4.5	0.24	1378.0	1167.0	1005.0	817.0	518.0	265.0	24.8	600.9	39.4
HA07041	2912.0	2872.6	534.2	-0.2	5.0	0.18	2941.0	2517.0	2244.0	1984.0	1648.0	1397.0	15.9	1866.5	27.5
HA07042	1559.8	1493.1	303.7	-1.1	6.7	0.19	1575.0	1330.0	1180.0	1038.0	856.0	720.0	33.3	828.5	57.5
HA07043	1927.0	2053.6	316.7	-0.3	2.8	0.16	1981.0	1624.0	1509.0	1408.0	1281.0	1186.0	14.5	1347.8	30.7
HA07047	3503.4	3443.0	337.7	0.5	4.8	0.10	3447.0	3236.0	3103.0	2970.0	2781.0	2623.0	14.2	2901.0	28.2
HA07048	3141.2	3142.4	622.4	0.2	2.6	0.20	3047.0	2563.0	2291.0	2038.0	1715.0	1475.0	5.4	2358.0	8.4
HA07050	1966.3	1933.6	485.7	0.4	3.5	0.25	1902.0	1574.0	1370.0	1168.0	887.0	658.0	11.1	1143.7	21.7
HA07051	1564.2	1469.1	284.6	0.6	3.8	0.18	1500.0	1352.0	1262.0	1178.0	1069.0	988.0	20.5	1063.9	52.3
HA07052	3706.3	3694.0	340.7	0.5	4.0	0.09	3678.0	3438.0	3276.0	3112.0	2881.0	2691.0	10.0	3161.5	16.3
HA07054	2572.5	2554.9	383.9	-0.1	3.4	0.15	2558.0	2245.0	2064.0	1892.0	1667.0	1496.0	24.4	1679.3	47.6

Tabla C.41. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Chiapas.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	Huvia mínima registrada	Tr(años)
	Media X _c (mm)	Mediana (mm)	Desv Std S(mm)	Coeficientes g k Cv			2 años Hp(mm)	5 años Hp(mm)	10 años Hp(mm)	20 años Hp(mm)	50 años Hp(mm)	100 años Hp(mm)	primer decil	Hp min(mm)	para Hp min
HA07055	3048.3	2933.0	531.8	2.1	10.6	0.17	2950.0	2650.0	2434.0	2186.0	1737.0	1266.0	7.4	2247.5	17.1
HA07056	3743.5	3825.1	500.8	-0.2	3.4	0.13	3787.0	3371.0	3086.0	2801.0	2410.0	2099.0	15.0	2709.2	24.9
HA07057	4080.5	4029.6	415.0	0.3	3.6	0.10	4052.0	3773.0	3598.0	3427.0	3196.0	3014.0	13.7	3354.9	26.7
HA07058	4037.2	3951.3	573.1	0.5	5.4	0.14	4028.0	3650.0	3360.0	3014.0	2442.0	1951.0	17.2	2799.6	28.9
HA07060	4499.5	4578.0	517.6	-0.8	4.7	0.12	4534.0	4104.0	3835.0	3580.0	3251.0	3006.0	30.7	3221.9	54.3
HA07061	3628.3	3700.1	564.5	-0.2	3.2	0.16	3637.0	3125.0	2963.0	2816.0	2623.0	2473.0	28.6	2544.5	72.1
HA07063	2754.9	2885.4	350.4	-0.6	2.8	0.13	2868.0	2298.0	2235.0	2185.0	2124.0	2077.0	8.0	2138.0	40.4
HA07065	653.5	647.3	123.0	0.3	2.5	0.19	635.0	546.0	498.0	453.0	395.0	352.0	7.1	479.1	13.3
HA07067	1012.9	1021.0	175.5	0.1	3.8	0.17	1026.0	953.0	821.0	683.0	506.0	375.0	18.2	629.2	26.3
HA07068	1981.1	2016.9	334.3	-0.5	3.6	0.17	2008.0	1734.0	1559.0	1392.0	1175.0	1012.0	28.6	1164.4	52.3
HA07069	937.7	922.1	178.3	0.7	5.3	0.19	923.0	818.0	751.0	688.0	606.0	544.0	27.9	577.8	68.2
HA07070	1397.1	1317.2	319.2	1.1	4.9	0.23	1363.0	1174.0	1053.0	938.0	789.0	678.0	14.6	856.5	33.0
HA07071	1870.0	1833.8	306.0	-0.1	2.3	0.16	1815.0	1594.0	1486.0	1388.0	1263.0	1170.0	12.1	1368.1	23.1
HA07072	4314.8	4315.0	775.7	-1.9	11.6	0.18	4343.0	3927.0	3499.0	2896.0	2021.0	1365.0	55.6	1488.8	87.6
HA07073	1336.9	1306.0	321.1	0.6	4.3	0.24	1304.0	1101.0	964.0	821.0	606.0	418.0	13.2	759.5	26.4
HA07074	2102.6	2119.1	521.4	-1.4	6.5	0.25	2189.0	1754.0	1465.0	1187.0	826.0	556.0	49.7	607.8	87.5
HA07075	1993.1	2056.5	441.8	-1.1	6.0	0.22	2015.0	1699.0	1514.0	1342.0	1121.0	957.0	117.9	731.7	259.4
HA07077	3203.8	3264.3	535.5	-1.1	6.9	0.17	3255.0	2821.0	2544.0	2280.0	1940.0	1686.0	104.1	1391.8	223.5
HA07078	1276.9	1238.0	275.4	0.6	2.9	0.22	1183.0	1029.0	956.0	873.0	722.0	572.0	7.9	879.6	19.0
HA07079	3958.4	3875.8	723.1	1.4	8.1	0.18	3818.0	3373.0	3020.0	2564.0	1733.0	1053.0	11.8	2520.4	20.9
HA07081	3190.3	3211.8	636.5	-1.5	9.4	0.20	3294.0	2910.0	2605.0	2224.0	1540.0	934.0	52.1	1184.3	75.4
HA07082	1549.8	1550.0	358.9	-0.7	4.3	0.23	1577.0	1287.0	1113.0	950.0	742.0	587.0	22.9	792.3	40.0
HA07084	2058.0	2126.0	375.8	0.1	3.6	0.18	2074.0	1669.0	1478.0	1282.0	1001.0	774.0	7.5	1407.7	12.9
HA07085	2626.5	2589.6	477.9	0.0	2.5	0.18	2595.0	2233.0	2021.0	1823.0	1569.0	1380.0	14.7	1737.3	27.2
HA07086	1075.3	1082.5	211.9	-0.4	3.1	0.20	1096.0	897.0	793.0	699.0	580.0	491.0	23.4	594.5	44.6
HA07087	996.2	1000.3	143.0	0.5	3.7	0.14	982.0	849.0	800.0	736.0	621.0	526.0	5.2	788.0	11.6
HA07089	2729.7	2856.2	539.3	-0.3	3.3	0.20	2810.0	2182.0	1963.0	1766.0	1498.0	1279.0	11.9	1708.3	24.5
HA07090	1496.9	1543.2	314.5	-1.4	7.2	0.21	1532.0	1276.0	1119.0	971.0	782.0	641.0	107.2	484.5	216.4
HA07091	981.2	995.4	220.1	-1.0	5.5	0.22	1008.0	819.0	699.0	585.0	438.0	328.0	57.6	312.1	110.4
HA07093	855.1	855.0	248.6	-0.4	3.5	0.29	874.0	680.0	552.0	427.0	261.0	133.0	16.5	370.0	27.5
HA07094	838.1	762.8	285.9	0.6	5.2	0.34	766.0	679.0	604.0	470.0	209.0	8.0	21.4	346.0	31.3
HA07095	3103.0	3113.1	301.7	-0.3	4.4	0.10	3128.0	2885.0	2726.0	2573.0	2372.0	2219.0	12.8	2567.5	20.5
HA07097	713.5	664.6	240.8	1.0	4.9	0.34	683.0	566.0	491.0	417.0	317.0	235.0	18.1	328.8	45.0
HA07099	951.2	966.1	172.0	-0.3	3.0	0.18	954.0	821.0	739.0	662.0	564.0	490.0	29.9	550.4	56.5
HA07100	650.6	619.0	126.6	1.2	5.4	0.19	605.0	540.0	498.0	447.0	366.0	269.0	4.2	499.4	9.7
HA07102	980.1	972.4	176.3	0.0	4.8	0.18	975.0	853.0	754.0	633.0	447.0	300.0	24.7	499.0	39.0
HA07104	1030.5	1030.0	263.9	0.4	4.0	0.26	1019.0	846.0	728.0	605.0	424.0	270.0	15.1	548.5	27.0
HA07105	3288.3	3249.1	538.8	-0.3	6.5	0.16	3343.0	2972.0	2683.0	2335.0	1714.0	1145.0	25.6	1923.6	37.8

Tabla C.41. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Chiapas.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de					retorno (Tr)	Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv	Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _c (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
HA07106	3196.1	3170.6	377.3	-0.2	5.8	0.12	3192.0	2997.0	2825.0	2593.0	2227.0	1944.0	28.3	2298.9	42.0
HA07107	1914.6	1813.5	300.0	1.0	5.5	0.16	1822.0	1701.0	1445.0	1188.0	856.0	609.0	6.7	1475.5	9.2
HA07108	1959.4	1959.0	293.3	-0.3	4.2	0.15	1947.0	1797.0	1625.0	1439.0	1199.0	1020.0	24.1	1267.3	38.4
HA07109	1115.3	1091.2	128.5	1.1	6.6	0.12	1091.0	1039.0	996.0	928.0	786.0	671.0	18.6	876.5	28.8
HA07112	2434.5	2234.4	590.3	1.9	6.7	0.24	2261.0	2048.0	1910.0	1773.0	1578.0	1404.0	4.1	1859.7	12.9
HA07113	2559.7	2560.0	361.8	0.1	3.9	0.14	2572.0	2244.0	2016.0	1786.0	1466.0	1207.0	11.6	1807.2	18.8
HA07114	1652.9	1583.6	309.9	0.2	3.2	0.19	1602.0	1413.0	1306.0	1206.0	1077.0	980.0	19.7	1093.6	44.4
HA07115	2513.2	2502.6	288.1	0.7	4.3	0.11	2483.0	2288.0	2159.0	2031.0	1854.0	1710.0	7.8	2094.2	14.3
HA07116	3218.6	3343.1	549.5	-1.1	4.3	0.17	3358.0	2845.0	2505.0	2186.0	1777.0	1473.0	23.3	1919.9	36.2
HA07117	2339.1	2367.3	466.6	0.3	3.1	0.20	2319.0	1967.0	1721.0	1462.0	1087.0	780.0	12.5	1447.1	20.8
HA07118	1497.7	1513.6	190.3	-0.2	3.6	0.13	1519.0	1334.0	1271.0	1215.0	1144.0	1091.0	20.9	1148.9	46.9
HA07119	809.4	783.9	212.7	2.3	13.0	0.26	800.0	640.0	534.0	430.0	290.0	177.0	7.1	443.0	18.3
HA07121	1790.1	1768.2	442.3	0.4	4.4	0.25	1814.0	1452.0	1195.0	922.0	499.0	98.0	8.3	1069.1	13.9
HA07122	1930.8	1866.0	592.2	1.4	5.5	0.31	1661.0	1408.0	1252.0	968.0	389.0	0.0	3.0	1246.2	10.2
HA07123	795.1	748.0	221.6	0.8	4.0	0.28	730.0	606.0	520.0	418.0	240.0	80.0	8.3	441.4	17.3
HA07124	1971.0	1971.0	466.8	0.0	4.7	0.24	1983.0	1592.0	1324.0	1055.0	684.0	389.0	12.7	1043.3	20.6
HA07125	1553.4	1441.1	373.9	0.1	2.2	0.24	1442.0	1218.0	1115.0	1021.0	902.0	813.0	9.8	1012.0	21.4
HA07128	3720.4	3861.9	681.5	-0.6	3.3	0.18	3797.0	3237.0	2896.0	2576.0	2166.0	1861.0	44.7	1923.1	86.7
HA07130	848.1	795.5	178.3	1.1	5.6	0.21	765.0	697.0	640.0	527.0	341.0	202.0	6.0	611.6	12.4
HA07133	1859.6	1779.1	452.5	0.2	4.2	0.24	1796.0	1525.0	1363.0	1211.0	1017.0	871.0	15.3	1111.1	32.0
HA07134	957.8	970.9	188.6	-0.3	3.4	0.20	971.0	813.0	711.0	613.0	484.0	385.0	23.2	511.7	40.9
HA07135	1012.5	968.7	213.5	0.5	3.3	0.21	979.0	868.0	800.0	736.0	653.0	592.0	30.8	611.9	79.7
HA07136	1344.3	1248.0	428.4	0.8	3.0	0.32	1211.0	1000.0	874.0	753.0	588.0	456.0	6.0	797.8	15.5
HA07137	996.6	978.8	136.3	0.7	3.8	0.14	983.0	881.0	817.0	755.0	676.0	616.0	8.6	776.0	15.8
HA07138	2146.2	2167.2	437.4	-0.2	2.9	0.20	2138.0	1794.0	1587.0	1392.0	1142.0	955.0	15.2	1316.3	26.3
HA07139	1087.8	1111.5	216.0	0.2	5.4	0.20	1087.0	906.0	774.0	632.0	415.0	225.0	15.5	574.0	25.9
HA07140	3432.5	3259.6	626.6	1.7	8.3	0.18	3243.0	2974.0	2746.0	2380.0	1621.0	1013.0	7.8	2524.1	15.9
HA07142	1423.0	1332.1	391.1	2.3	12.3	0.27	1340.0	1200.0	1057.0	730.0	143.0	0.0	11.9	800.4	17.8
HA07143	995.6	1006.2	214.8	0.3	4.9	0.22	980.0	826.0	722.0	613.0	456.0	327.0	11.6	618.0	19.4
HA07145	1549.4	1521.8	345.0	0.1	3.0	0.22	1512.0	1290.0	1157.0	1031.0	871.0	752.0	27.9	841.2	59.5
HA07147	3554.7	3661.8	615.9	-0.8	3.0	0.17	3648.0	3075.0	2714.0	2373.0	1933.0	1606.0	15.1	2289.7	23.7
HA07148	1594.6	1565.1	338.2	0.2	3.1	0.21	1551.0	1326.0	1196.0	1073.0	917.0	799.0	19.0	952.7	40.5
HA07149	1655.8	1613.2	283.8	0.1	3.6	0.17	1615.0	1441.0	1338.0	1241.0	1117.0	1025.0	30.3	1074.0	69.2
HA07150	1361.4	1356.6	239.2	-0.5	4.8	0.18	1360.0	1288.0	1166.0	984.0	750.0	575.0	27.2	800.9	40.8
HA07151	2318.7	2306.0	400.0	-0.1	4.1	0.17	2325.0	2064.0	1898.0	1739.0	1536.0	1383.0	36.2	1445.6	75.3
HA07153	2180.1	2124.5	400.5	-0.4	4.0	0.18	2119.0	1888.0	1753.0	1628.0	1467.0	1347.0	110.2	1159.9	295.9
HA07154	3568.3	3568.0	316.9	0.2	3.1	0.09	3335.1	3054.9	2869.4	2691.5	2461.2	2288.6	3.5	3050.9	5.1
HA07155	1423.7	1441.0	212.2	0.2	3.3	0.15	1439.0	1182.0	1129.0	1068.0	943.0	824.0	4.6	1108.9	12.9

Tabla C.41. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Chiapas.

Estación	Estadísticos de la lluvia anual registrada							Lámina de lluvia mínima anual de diferentes periodos de					retorno (Tr)	Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv	Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para	
X_o (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min		
HA07156	1746.8	1729.3	286.7	0.0	6.1	0.16	1737.0	1545.0	1368.0	1190.0	862.0	593.0	19.5	1053.2	29.9	
HA07157	4892.0	4832.6	906.8	1.2	6.2	0.19	4762.0	4189.0	3776.0	3312.0	2530.0	1776.0	10.5	3274.0	21.1	
HA07158	4196.7	4209.7	548.5	-0.4	2.7	0.13	4189.0	3718.0	3474.0	3249.0	2964.0	2752.0	20.4	3056.1	37.1	
HA07159	1633.5	1605.5	465.5	0.8	4.2	0.28	1534.0	1261.0	1085.0	907.0	653.0	437.0	6.0	1056.0	11.2	
HA07161	1162.8	1136.0	238.7	1.2	5.9	0.21	987.2	776.2	636.5	502.5	329.0	199.1	2.4	855.0	3.5	
HA07163	1453.9	1441.4	345.7	0.5	3.1	0.24	1425.0	1195.0	1051.0	914.0	738.0	607.0	17.7	795.0	37.1	
HA07166	4099.3	4099.0	703.5	-0.1	2.8	0.17	4111.0	3529.0	3173.0	2835.0	2400.0	2073.0	18.7	2591.4	33.4	
HA07168	1646.0	1617.9	342.6	0.1	2.6	0.21	1609.0	1360.0	1216.0	1082.0	910.0	782.0	9.0	1130.2	15.5	
HA07169	3415.4	3328.0	479.0	0.0	2.6	0.14	3368.0	2975.0	2764.0	2568.0	2320.0	2135.0	12.1	2538.4	22.3	
HA07170	2871.2	2955.6	483.5	0.4	3.4	0.17	2850.0	2393.0	2245.0	2081.0	1793.0	1527.0	8.1	2102.2	18.4	
HA07171	936.5	919.1	170.6	0.5	3.8	0.18	910.0	795.0	725.0	654.0	550.0	462.0	12.0	639.4	22.9	
HA07172	3734.1	3510.1	1023.8	1.2	4.6	0.27	3484.0	3019.0	2722.0	2427.0	2011.0	1654.0	11.0	2262.7	29.1	
HA07173	967.9	951.2	241.6	0.0	4.5	0.25	939.0	793.0	706.0	624.0	519.0	441.0	22.0	529.2	45.7	
HA07175	1107.2	1098.6	196.3	-0.3	4.7	0.18	1101.0	986.0	902.0	804.0	651.0	525.0	41.2	590.9	69.8	
HA07176	917.5	890.0	178.6	0.8	4.5	0.19	902.0	791.0	720.0	651.0	561.0	491.0	8.5	675.9	15.6	
HA07178	2005.0	1750.8	579.5	2.6	12.7	0.29	1701.0	1594.0	1442.0	887.0	122.0	0.0	1.6	1539.3	7.2	
HA07179	1528.3	1505.6	254.4	0.5	3.8	0.17	1530.0	1380.0	1285.0	1194.0	1077.0	990.0	15.5	1130.0	33.0	
HA07180	1829.1	1857.0	273.0	-0.9	7.5	0.15	1812.0	1576.0	1414.0	1253.0	1033.0	860.0	31.9	1005.8	55.9	
HA07182	1330.6	1356.4	305.0	0.7	4.3	0.23	1267.0	1042.0	928.0	796.0	575.0	385.0	5.1	931.7	9.8	
HA07184	950.8	908.3	252.2	2.6	13.1	0.27	895.0	824.0	778.0	731.0	661.0	594.0	6.3	705.0	28.6	
HA07185	2967.6	2881.0	755.3	0.3	3.3	0.25	2854.0	2322.0	2003.0	1704.0	1320.0	1033.0	6.1	2011.5	9.8	
HA07186	2614.7	2402.0	749.9	0.8	4.2	0.29	2484.0	2122.0	1897.0	1684.0	1410.0	1205.0	21.6	1363.3	58.6	
HA07188	1208.3	1213.9	271.5	-0.5	3.8	0.22	1238.0	1003.0	847.0	697.0	501.0	352.0	25.1	526.6	44.4	
HA07191	3656.9	3663.3	476.7	-0.8	4.4	0.13	3712.0	3309.0	3051.0	2806.0	2490.0	2253.0	45.3	2306.5	85.5	
HA07192	1326.4	1319.5	208.8	0.2	3.1	0.16	1310.0	1152.0	1061.0	975.0	865.0	783.0	10.9	975.3	20.0	
HA07193	3718.9	3951.6	612.9	-0.8	3.1	0.16	3267.9	2726.1	2367.4	2023.3	1577.9	1244.2	4.3	2616.9	6.1	
HA07194	2804.1	2801.0	453.9	0.4	4.6	0.16	2723.0	2370.0	2149.0	1939.0	1670.0	1468.0	5.8	2181.6	9.0	
HA07196	2745.4	2894.5	452.3	-0.5	2.4	0.16	2870.0	2193.0	2057.0	1954.0	1827.0	1731.0	7.1	1983.5	16.2	
HA07198	1449.0	1451.5	232.8	-0.2	2.7	0.16	1456.0	1242.0	1131.0	1030.0	900.0	804.0	12.1	1018.9	21.6	
HA07199	3625.0	3712.6	587.0	-0.7	4.7	0.16	3698.0	3239.0	2933.0	2634.0	2236.0	1930.0	27.8	2248.0	48.7	
HA07201	1716.0	1716.0	342.6	-0.2	2.5	0.20	1714.0	1419.0	1276.0	1146.0	982.0	859.0	14.2	1089.5	27.4	
HA07202	952.9	954.8	171.1	-0.1	2.6	0.18	953.0	819.0	739.0	664.0	567.0	495.0	16.0	625.6	28.6	
HA07203	1283.4	1163.3	341.5	1.1	4.0	0.27	1130.0	1003.0	927.0	841.0	681.0	503.0	4.0	910.7	11.5	
HA07204	1197.8	1210.8	207.6	0.2	3.5	0.17	1198.0	1049.0	954.0	863.0	746.0	659.0	20.6	768.2	42.1	
HA07205	1043.1	1016.0	157.0	0.3	2.6	0.15	1011.0	917.0	862.0	811.0	745.0	696.0	17.0	766.6	36.9	
HA07207	1792.2	1738.9	404.6	-0.2	3.6	0.23	1755.0	1401.0	1218.0	1050.0	836.0	677.0	12.6	1027.8	22.0	
HA07208	2356.9	2357.0	402.0	0.1	2.5	0.17	2322.0	2017.0	1842.0	1678.0	1469.0	1312.0	9.6	1720.8	16.7	
HA07217	4983.9	5140.3	632.6	-0.5	3.4	0.13	5075.0	4372.0	4045.0	3745.0	3365.0	3083.0	10.7	3833.6	16.2	

Tabla C.41. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Chiapas.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA07002	417.1	496.3	575.5	654.7	734.0	813.2	892.4	971.6	1050.8	1130.0	9.0	4.5	0.0	18.1	18.1	9.0	9.0	18.1	4.5	9.0
HA07003	523.2	641.5	759.8	878.1	996.4	1114.8	1233.1	1351.4	1469.7	1588.0	6.8	20.6	13.7	31.0	10.3	6.8	6.8	0.0	0.0	3.4
HA07004	1451.4	1598.2	1745.1	1891.9	2038.8	2185.7	2332.5	2479.4	2626.2	2773.1	4.3	13.0	4.3	13.0	26.0	17.3	4.3	13.0	0.0	4.3
HA07005	1175.6	1286.6	1397.7	1508.7	1619.8	1730.9	1841.9	1953.0	2064.0	2175.1	3.5	14.2	10.7	17.8	21.4	7.1	7.1	3.5	3.5	10.7
HA07006	1121.8	1249.8	1377.7	1505.6	1633.6	1761.5	1889.4	2017.3	2145.3	2273.2	9.0	2.2	9.0	22.7	13.6	9.0	18.1	11.3	0.0	4.5
HA07007	987.5	1088.6	1189.7	1290.8	1391.9	1493.0	1594.1	1695.2	1796.3	1897.4	10.0	20.0	30.0	10.0	10.0	0.0	10.0	0.0	0.0	10.0
HA07008	1620.7	1909.3	2198.0	2486.6	2775.3	3063.9	3352.6	3641.2	3929.9	4218.5	17.9	28.2	17.9	15.3	10.2	5.1	0.0	2.5	0.0	2.5
HA07009	733.1	818.5	903.9	989.3	1074.8	1160.2	1245.6	1331.0	1416.4	1501.8	17.3	13.0	8.6	13.0	13.0	4.3	17.3	0.0	4.3	8.6
HA07011	901.7	1102.7	1303.8	1504.8	1705.8	1906.8	2107.8	2308.9	2509.9	2710.9	25.0	10.7	46.4	10.7	3.5	0.0	0.0	0.0	0.0	3.5
HA07012	1983.0	2326.2	2669.5	3012.7	3355.9	3699.1	4042.3	4385.6	4728.8	5072.0	16.6	0.0	0.0	8.3	25.0	4.1	16.6	16.6	4.1	8.3
HA07014	1240.8	1396.3	1551.9	1707.4	1862.9	2018.4	2173.9	2329.5	2485.0	2640.5	4.5	4.5	4.5	9.0	18.1	18.1	9.0	22.7	4.5	4.5
HA07015	636.5	753.4	870.2	987.0	1103.9	1220.7	1337.5	1454.3	1571.2	1688.0	4.2	4.2	4.2	4.2	17.0	17.0	17.0	14.8	8.5	8.5
HA07016	687.7	768.7	849.6	930.6	1011.6	1092.6	1173.6	1254.5	1335.5	1416.5	4.7	0.0	4.7	23.8	19.0	9.5	4.7	19.0	9.5	4.7
HA07020	1717.5	1914.1	2110.7	2307.3	2503.9	2700.4	2897.0	3093.6	3290.2	3486.8	4.7	0.0	4.7	9.5	4.7	14.2	23.8	14.2	14.2	9.5
HA07022	1694.5	1824.0	1953.4	2082.9	2212.3	2341.7	2471.2	2600.6	2730.1	2859.5	5.0	15.0	10.0	5.0	15.0	10.0	20.0	5.0	5.0	10.0
HA07024	1508.0	1806.0	1704.0	1802.0	1900.0	1998.0	2096.0	2194.0	2292.0	2390.0	11.7	0.0	23.5	11.7	23.5	0.0	0.0	23.5	0.0	5.8
HA07026	1192.6	1281.2	1369.9	1458.5	1547.2	1635.9	1724.5	1813.2	1901.8	1990.5	6.6	10.0	3.3	16.6	16.6	20.0	3.3	3.3	3.3	16.6
HA07028	593.7	662.7	731.7	800.7	869.8	938.8	1007.8	1076.8	1145.8	1214.8	6.6	20.0	26.6	20.0	0.0	6.6	6.6	6.6	0.0	6.6
HA07029	2043.4	2234.7	2425.9	2617.2	2808.4	2999.6	3190.9	3382.1	3573.4	3764.6	5.8	0.0	17.6	5.8	0.0	23.5	11.7	5.8	5.8	23.5
HA07030	822.6	925.5	1028.5	1131.4	1234.4	1337.4	1440.3	1543.3	1646.2	1749.2	3.5	7.1	21.4	14.2	10.7	21.4	3.5	7.1	3.5	7.1
HA07031	1152.3	1211.6	1270.9	1330.2	1389.5	1448.8	1508.1	1567.4	1626.7	1686.0	6.6	6.6	6.6	13.3	33.3	0.0	20.0	6.6	0.0	6.6
HA07032	2344.4	2672.4	3000.3	3328.3	3656.2	3984.1	4312.1	4640.0	4968.0	5295.9	7.6	0.0	3.8	11.5	7.6	7.6	15.3	11.5	19.2	15.3
HA07033	1347.2	1604.8	1862.4	2120.0	2377.6	2635.1	2892.7	3150.3	3407.9	3665.5	11.5	15.3	23.0	32.6	9.6	3.8	0.0	0.0	1.9	1.9
HA07034	984.6	1150.6	1316.7	1482.7	1648.8	1814.8	1980.9	2146.9	2313.0	2479.0	41.3	15.2	19.5	6.5	6.5	2.1	4.3	0.0	0.0	4.3
HA07035	640.2	718.8	797.4	876.1	954.7	1033.4	1112.1	1190.7	1269.4	1348.0	6.6	6.6	3.3	6.6	26.6	20.0	10.0	6.6	6.6	6.6
HA07037	1128.5	1301.7	1475.0	1648.2	1821.5	1994.7	2168.0	2341.2	2514.5	2687.7	4.5	4.5	4.5	13.6	13.6	27.2	9.0	13.6	4.5	4.5
HA07038	997.1	1332.6	1668.1	2003.6	2339.1	2674.5	3010.0	3345.5	3681.0	4016.5	5.0	0.0	0.0	0.0	5.0	5.0	30.0	30.0	15.0	10.0
HA07039	584.5	661.7	739.0	816.2	893.5	970.7	1048.0	1125.2	1202.5	1279.7	3.0	6.0	9.0	15.1	6.0	21.2	12.1	12.1	12.1	3.0
HA07040	752.4	903.9	1055.4	1206.9	1358.5	1510.0	1661.5	1813.0	1964.5	2116.0	9.0	0.0	3.0	18.1	15.1	30.3	12.1	3.0	6.0	3.0
HA07041	2068.7	2270.8	2473.0	2675.2	2877.4	3079.5	3281.7	3483.9	3686.0	3888.2	8.3	0.0	8.3	8.3	25.0	16.6	8.3	16.6	0.0	8.3
HA07042	936.2	1043.9	1151.6	1259.3	1367.0	1474.7	1582.4	1690.1	1797.8	1905.5	8.3	0.0	0.0	0.0	0.0	41.6	8.3	0.0	16.6	25.0
HA07043	1453.7	1559.5	1665.4	1771.3	1877.2	1983.0	2088.9	2194.8	2300.6	2406.5	10.5	5.2	5.2	15.7	5.2	5.2	15.7	15.7	10.5	10.5
HA07047	3036.6	3172.3	3307.9	3443.5	3579.2	3714.8	3850.4	3986.0	4121.7	4257.3	6.6	6.6	13.3	26.6	13.3	6.6	13.3	6.6	0.0	6.6
HA07048	2533.7	2709.4	2885.0	3060.7	3236.4	3412.1	3587.8	3763.4	3939.1	4114.8	28.5	0.0	14.2	0.0	21.4	0.0	0.0	14.2	7.1	14.2
HA07050	1340.8	1537.8	1734.9	1932.0	2129.1	2326.1	2523.2	2720.3	2917.3	3114.4	10.0	6.6	16.6	16.6	20.0	3.3	16.6	3.3	0.0	6.6
HA07051	1174.8	1285.7	1396.7	1507.6	1618.5	1729.4	1840.3	1951.3	2062.2	2173.1	5.2	5.2	15.7	31.5	10.5	5.2	5.2	5.2	10.5	5.2
HA07052	3277.3	3393.0	3508.8	3624.5	3740.3	3856.0	3971.8	4087.5	4203.3	4319.0	7.1	7.1	21.4	0.0	21.4	21.4	7.1	0.0	0.0	14.2
HA07054	1843.1	2006.9	2170.7	2334.5	2498.3	2662.1	2825.9	2989.7	3153.5	3317.3	3.5	0.0	10.7	14.2	10.7	21.4	10.7	17.8	3.5	7.1

Tabla C.42. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Chiapas.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA07055	2531.5	2815.4	3099.3	3383.3	3667.2	3951.2	4235.1	4519.1	4803.0	5087.0	10.3	24.1	31.0	17.2	6.8	6.8	0.0	0.0	0.0	3.4
HA07056	2920.2	3131.1	3342.1	3553.1	3764.0	3975.0	4186.0	4397.0	4607.9	4818.9	7.1	7.1	10.7	3.5	17.8	21.4	14.2	10.7	3.5	3.5
HA07057	3521.0	3687.1	3853.2	4019.3	4185.5	4351.6	4517.7	4683.8	4849.9	5016.0	9.0	9.0	9.0	22.7	13.6	13.6	4.5	13.6	0.0	4.5
HA07058	3094.7	3389.9	3685.0	3980.2	4275.3	4570.4	4865.6	5160.7	5455.9	5751.0	3.3	6.6	13.3	33.3	16.6	10.0	13.3	0.0	0.0	3.3
HA07060	3424.9	3627.9	3831.0	4034.0	4237.0	4440.0	4643.0	4846.1	5049.1	5252.1	5.5	0.0	5.5	0.0	16.6	16.6	11.1	16.6	11.1	16.6
HA07061	2740.7	2936.8	3133.0	3329.1	3525.3	3721.4	3917.6	4113.7	4309.9	4506.0	6.6	0.0	13.3	20.0	6.6	6.6	6.6	20.0	0.0	20.0
HA07063	2252.2	2366.4	2480.6	2594.8	2709.0	2823.2	2937.4	3051.6	3165.8	3280.0	16.6	11.1	0.0	0.0	5.5	11.1	16.6	22.2	11.1	5.5
HA07065	520.6	562.1	603.6	645.1	686.6	728.1	769.6	811.1	852.6	894.1	17.3	8.6	17.3	4.3	17.3	4.3	4.3	17.3	4.3	4.3
HA07067	700.6	772.1	843.5	915.0	986.4	1057.8	1129.3	1200.7	1272.2	1343.6	4.3	0.0	13.0	8.6	13.0	34.7	4.3	4.3	8.6	8.6
HA07068	1307.4	1450.4	1593.5	1736.5	1879.5	2022.5	2165.5	2308.6	2451.6	2594.6	5.0	5.0	0.0	10.0	17.5	12.5	20.0	15.0	7.5	7.5
HA07069	657.9	738.1	818.2	898.4	978.5	1058.7	1138.9	1219.0	1299.2	1379.3	5.2	0.0	15.7	21.0	31.5	10.5	0.0	10.5	0.0	5.2
HA07070	990.2	1123.9	1257.6	1391.3	1525.1	1658.8	1792.5	1926.2	2059.9	2193.6	4.3	13.0	17.3	21.7	21.7	8.6	0.0	4.3	0.0	8.6
HA07071	1458.1	1548.1	1638.0	1728.0	1818.0	1908.0	1998.0	2087.9	2177.9	2267.9	11.1	0.0	16.6	16.6	5.5	5.5	0.0	11.1	11.1	22.2
HA07072	1919.0	2349.2	2779.4	3209.6	3639.8	4070.0	4500.2	4930.4	5360.6	5790.8	4.1	0.0	0.0	0.0	4.1	8.3	50.0	20.8	4.1	8.3
HA07073	908.2	1056.8	1205.5	1354.1	1502.8	1651.4	1800.1	1948.7	2097.4	2246.0	6.6	10.0	20.0	20.0	20.0	3.3	16.6	0.0	0.0	3.3
HA07074	828.9	1049.9	1271.0	1492.1	1713.2	1934.2	2155.3	2376.4	2597.4	2818.5	5.0	0.0	5.0	0.0	5.0	10.0	30.0	10.0	25.0	10.0
HA07075	917.7	1103.6	1289.6	1475.5	1661.5	1847.5	2033.4	2219.4	2405.3	2591.3	5.0	0.0	0.0	0.0	20.0	5.0	20.0	20.0	15.0	15.0
HA07077	1671.0	1950.2	2229.4	2508.6	2787.9	3067.1	3346.3	3625.5	3904.7	4183.9	3.3	0.0	0.0	0.0	16.6	10.0	23.3	23.3	16.6	6.6
HA07078	980.3	1081.0	1181.8	1282.5	1383.2	1483.9	1584.6	1685.4	1786.1	1886.8	15.1	15.1	18.1	6.0	15.1	6.0	9.0	6.0	0.0	9.0
HA07079	2920.5	3320.6	3720.7	4120.8	4520.9	4921.0	5321.1	5721.2	6121.3	6521.4	3.3	6.6	36.6	20.0	16.6	10.0	3.3	0.0	0.0	3.3
HA07081	1505.3	1826.3	2147.4	2468.4	2789.4	3110.4	3431.4	3752.5	4073.5	4394.5	5.2	0.0	0.0	0.0	5.2	26.3	26.3	31.5	0.0	5.2
HA07082	919.4	1046.4	1173.5	1300.5	1427.6	1554.6	1681.7	1808.7	1935.8	2062.8	6.6	6.6	0.0	6.6	6.6	26.6	20.0	0.0	13.3	13.3
HA07084	1557.2	1706.8	1856.3	2005.8	2155.4	2304.9	2454.4	2603.9	2753.5	2903.0	10.0	15.0	5.0	15.0	10.0	20.0	15.0	5.0	0.0	5.0
HA07085	1908.9	2080.4	2252.0	2423.5	2595.1	2766.7	2938.2	3109.8	3281.3	3452.9	3.2	16.1	3.2	12.9	16.1	6.4	12.9	9.6	9.6	9.6
HA07086	678.6	762.7	846.8	930.9	1015.0	1099.1	1183.2	1267.3	1351.4	1435.4	6.8	0.0	6.8	13.7	10.3	13.7	10.3	20.6	10.3	6.8
HA07087	846.6	905.2	963.7	1022.3	1080.9	1139.5	1198.1	1256.6	1315.2	1373.8	17.8	17.8	3.5	14.2	17.8	17.8	3.5	3.5	0.0	3.5
HA07089	1912.0	2115.7	2319.4	2523.1	2726.8	2930.5	3134.2	3337.9	3541.6	3745.3	11.1	5.5	5.5	11.1	11.1	16.6	11.1	22.2	0.0	5.5
HA07090	626.9	769.4	911.8	1054.3	1196.7	1339.1	1481.6	1624.0	1766.5	1908.9	4.1	0.0	0.0	0.0	8.3	12.5	16.6	25.0	16.6	16.6
HA07091	415.1	518.1	621.1	724.1	827.2	930.2	1033.2	1136.2	1239.2	1342.2	3.2	3.2	0.0	0.0	9.6	22.5	16.1	19.3	16.1	9.6
HA07093	462.2	554.3	646.5	738.6	830.8	923.0	1015.1	1107.3	1199.4	1291.6	9.5	9.5	0.0	4.7	9.5	28.5	14.2	9.5	4.7	9.5
HA07094	452.2	558.4	664.6	770.8	877.0	983.1	1089.3	1195.5	1301.7	1407.9	8.3	0.0	0.0	41.6	16.6	8.3	8.3	0.0	8.3	8.3
HA07095	2671.7	2775.8	2880.0	2984.1	3088.3	3192.4	3296.6	3400.7	3504.9	3609.0	9.0	9.0	9.0	0.0	9.0	18.1	27.2	9.0	0.0	9.0
HA07097	427.9	527.1	626.2	725.4	824.5	923.6	1022.8	1121.9	1221.1	1320.2	8.6	8.6	26.0	17.3	17.3	4.3	8.6	0.0	0.0	8.6
HA07099	618.7	686.9	755.2	823.5	891.7	960.0	1028.3	1096.6	1164.8	1233.1	2.5	5.1	2.5	10.2	15.3	12.8	20.5	10.2	7.6	12.8
HA07100	550.4	601.3	652.3	703.2	754.2	805.2	856.1	907.1	958.0	1009.0	22.7	22.7	13.6	4.5	18.1	9.0	0.0	4.5	0.0	4.5
HA07102	591.7	684.3	777.0	869.6	962.3	1055.0	1147.6	1240.3	1332.9	1425.6	2.8	0.0	8.5	11.4	20.0	31.4	11.4	5.7	5.7	2.8
HA07104	655.3	762.0	868.8	975.5	1082.3	1189.0	1295.8	1402.5	1509.3	1616.0	4.5	4.5	22.7	4.5	27.2	18.1	4.5	4.5	0.0	9.0
HA07105	2186.3	2449.0	2711.8	2974.5	3237.2	3499.9	3762.6	4025.4	4288.1	4550.8	5.2	0.0	5.2	5.2	31.5	21.0	26.3	0.0	0.0	5.2

Tabla C.42. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Chiapas.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA07106	2457.5	2616.1	2774.8	2933.4	3092.0	3250.6	3409.2	3567.9	3726.5	3885.1	6.2	0.0	0.0	12.5	6.2	37.5	18.7	6.2	0.0	12.5
HA07107	1601.1	1726.6	1852.2	1977.7	2103.3	2228.9	2354.4	2480.0	2605.5	2731.1	10.5	0.5	31.5	10.5	10.5	21.0	0.0	0.0	0.0	5.2
HA07108	1389.4	1511.5	1633.6	1755.7	1877.8	1999.8	2121.9	2244.0	2366.1	2488.2	5.2	0.0	0.0	15.7	26.3	10.5	5.2	21.0	5.2	10.5
HA07109	937.1	997.7	1058.3	1118.9	1179.6	1240.2	1300.8	1361.4	1422.0	1482.6	5.0	5.0	15.0	45.0	10.0	5.0	10.0	0.0	0.0	5.0
HA07112	2090.7	2321.7	2552.7	2783.7	3014.7	3245.7	3476.7	3707.7	3938.7	4169.7	20.0	43.3	16.6	3.3	3.3	3.3	0.0	0.0	3.3	6.6
HA07113	1966.2	2125.1	2284.1	2443.0	2602.0	2761.0	2919.9	3078.9	3237.8	3396.8	4.3	4.3	17.3	8.6	21.7	13.0	17.3	8.6	0.0	4.3
HA07114	1208.0	1322.5	1436.9	1551.3	1665.8	1780.2	1894.6	2009.0	2123.5	2237.9	5.0	10.0	5.0	10.0	25.0	10.0	15.0	10.0	0.0	10.0
HA07115	2205.2	2316.2	2427.2	2538.2	2649.3	2760.3	2871.3	2982.3	3093.3	3204.3	20.0	0.0	20.0	20.0	15.0	10.0	0.0	5.0	5.0	5.0
HA07116	2116.5	2313.0	2509.6	2706.1	2902.7	3099.3	3295.8	3492.4	3688.9	3885.5	4.3	6.6	0.0	4.3	4.3	8.6	13.0	17.3	26.0	13.0
HA07117	1640.8	1834.5	2028.2	2221.9	2415.6	2609.2	2802.9	2996.6	3190.3	3384.0	7.5	5.0	12.5	15.0	17.5	20.0	5.0	10.0	2.5	5.0
HA07118	1211.4	1273.9	1336.4	1398.9	1461.4	1523.8	1586.3	1648.8	1711.3	1773.8	7.6	7.6	0.0	23.0	7.6	7.6	7.6	23.0	0.0	15.3
HA07119	585.2	727.3	869.4	1011.6	1153.8	1295.9	1438.1	1580.2	1722.4	1864.5	6.7	30.5	33.8	16.9	6.7	3.3	0.0	0.0	0.0	1.6
HA07121	1262.3	1455.4	1648.6	1841.7	2034.9	2228.0	2421.2	2614.3	2807.5	3000.6	11.5	11.5	11.5	19.2	15.3	23.0	3.8	0.0	0.0	3.8
HA07122	1514.1	1781.9	2049.8	2317.6	2585.5	2853.3	3121.2	3389.0	3656.8	3924.7	28.2	20.5	23.0	5.1	7.6	7.6	5.1	0.0	0.0	2.5
HA07123	544.9	648.4	751.9	855.4	958.9	1062.5	1166.0	1269.5	1373.0	1476.5	9.6	17.3	23.0	13.4	15.3	11.5	3.8	1.9	1.9	1.9
HA07124	1232.8	1422.4	1611.9	1801.4	1991.0	2180.5	2370.0	2559.5	2749.1	2938.6	6.6	6.6	6.6	13.3	20.0	13.3	13.3	13.3	0.0	6.6
HA07125	1117.4	1222.8	1328.2	1433.6	1539.1	1644.5	1749.9	1855.3	1960.7	2066.1	6.6	20.0	6.6	13.3	6.6	0.0	6.6	6.6	13.3	20.0
HA07128	2215.8	2508.5	2801.2	3093.9	3386.7	3679.4	3972.1	4264.8	4557.5	4850.2	2.3	4.7	4.7	7.1	7.1	19.0	14.2	21.4	7.1	11.9
HA07130	665.5	759.4	833.4	907.3	981.2	1055.1	1129.0	1203.0	1276.9	1350.8	15.0	30.0	10.0	5.0	15.0	20.0	0.0	0.0	0.0	5.0
HA07133	1269.2	1427.2	1585.3	1743.3	1901.4	2059.5	2217.5	2375.6	2533.6	2691.7	8.3	8.3	8.3	25.0	16.6	0.0	8.3	8.3	8.3	8.3
HA07134	591.9	672.1	752.3	832.5	912.7	992.8	1073.0	1153.2	1233.4	1313.6	3.0	6.0	3.0	12.1	12.1	18.1	15.1	18.1	6.0	6.0
HA07135	696.8	781.6	866.5	951.3	1036.2	1121.1	1205.9	1290.8	1375.6	1460.5	3.3	10.0	10.0	16.6	23.3	13.3	3.3	10.0	3.3	6.6
HA07136	964.4	1131.0	1297.7	1464.3	1630.9	1797.5	1964.1	2130.8	2297.4	2464.0	15.5	24.4	20.0	6.6	6.6	4.4	13.3	2.2	4.4	2.2
HA07137	830.0	884.0	938.0	992.0	1046.0	1100.0	1154.0	1208.0	1262.0	1316.0	4.1	16.6	20.8	12.5	12.5	16.6	4.1	4.1	4.1	4.1
HA07138	1468.3	1620.2	1772.2	1924.1	2076.1	2228.0	2380.0	2531.9	2683.8	2835.8	5.2	10.5	10.5	0.0	15.7	15.7	15.7	0.0	10.5	15.7
HA07139	685.4	796.8	908.2	1019.6	1131.0	1242.4	1353.8	1465.2	1576.6	1688.0	3.5	7.1	7.1	10.7	32.1	21.4	10.7	3.5	0.0	3.5
HA07140	2835.3	3146.5	3457.7	3768.9	4080.1	4391.3	4702.5	5013.7	5324.9	5636.1	7.1	28.5	32.1	7.1	14.2	3.5	3.5	0.0	0.0	3.5
HA07142	1000.2	1200.1	1399.9	1599.7	1799.6	1999.4	2199.2	2399.0	2598.9	2798.7	5.0	10.0	50.0	15.0	15.0	0.0	0.0	0.0	0.0	5.0
HA07143	698.8	779.5	860.3	941.0	1021.8	1102.5	1183.3	1264.0	1344.8	1425.5	8.3	0.0	16.6	16.6	8.3	25.0	8.3	8.3	0.0	8.3
HA07145	972.9	1104.6	1236.3	1368.0	1499.8	1631.5	1763.2	1894.9	2026.6	2158.3	5.8	5.8	2.9	11.7	20.5	17.6	8.8	8.8	5.8	11.7
HA07147	2508.2	2726.8	2945.3	3163.9	3382.4	3600.9	3819.5	4038.0	4256.6	4475.1	8.3	8.3	4.1	0.0	12.5	8.3	16.6	20.8	8.3	12.5
HA07148	1082.7	1212.7	1342.6	1472.6	1602.6	1732.6	1862.6	1992.5	2122.5	2252.5	8.6	0.0	17.3	8.6	26.0	8.6	8.6	8.6	4.3	8.6
HA07149	1184.9	1295.7	1406.6	1517.4	1628.3	1739.1	1849.9	1960.8	2071.6	2182.5	5.5	0.0	11.1	11.1	27.7	11.1	5.5	5.5	16.6	5.5
HA07150	905.0	1009.0	1113.1	1217.1	1321.2	1425.3	1529.3	1633.4	1737.4	1841.5	7.6	0.0	3.8	3.8	19.2	34.6	11.5	7.6	7.6	3.8
HA07151	1607.3	1769.0	1930.6	2092.3	2254.0	2415.7	2577.4	2739.0	2900.7	3062.4	5.0	5.0	0.0	20.0	15.0	20.0	10.0	10.0	5.0	10.0
HA07153	1329.9	1499.9	1669.9	1839.9	2009.9	2179.8	2349.8	2519.8	2689.8	2859.8	4.0	0.0	4.0	8.0	12.0	28.0	12.0	8.0	12.0	12.0
HA07154	3156.7	3262.4	3368.2	3473.9	3579.7	3685.5	3791.2	3897.0	4002.7	4108.5	6.6	6.6	26.6	6.6	6.6	6.6	13.3	13.3	0.0	13.3
HA07155	1187.8	1266.7	1345.6	1424.5	1503.5	1582.4	1661.3	1740.2	1819.1	1898.0	20.0	10.0	5.0	15.0	5.0	25.0	15.0	0.0	0.0	5.0

Tabla C.42. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Chiapas.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA07156	1197.3	1341.4	1485.5	1629.6	1773.7	1917.7	2061.8	2205.9	2350.0	2494.1	4.3	4.3	0.0	8.6	47.8	13.0	8.6	8.6	0.0	4.3
HA07157	3747.2	4220.3	4693.5	5166.7	5639.9	6113.0	6586.2	7059.4	7532.5	8005.7	5.0	12.5	25.0	30.0	12.5	5.0	5.0	2.5	0.0	2.5
HA07158	3243.4	3430.7	3617.9	3805.2	3992.5	4179.8	4367.1	4554.3	4741.6	4928.9	4.5	4.5	13.6	4.5	4.5	18.1	9.0	0.0	22.7	18.1
HA07159	1216.0	1376.0	1536.1	1696.1	1856.1	2016.1	2176.1	2336.2	2496.2	2656.2	20.0	13.3	6.6	26.6	6.6	6.6	6.6	6.6	0.0	6.6
HA07161	943.6	1032.2	1120.8	1209.4	1298.0	1386.5	1475.1	1563.7	1652.3	1740.9	20.0	6.6	20.0	26.6	13.3	0.0	0.0	0.0	6.6	6.6
HA07163	937.4	1079.8	1222.2	1364.6	1507.0	1649.4	1791.8	1934.2	2076.6	2219.0	2.5	7.5	20.0	10.0	20.0	17.5	5.0	2.5	7.5	7.5
HA07166	2868.8	3146.3	3423.7	3701.2	3978.6	4256.0	4533.5	4810.9	5088.4	5365.8	5.2	0.0	15.7	10.5	5.2	21.0	15.7	7.8	7.8	10.5
HA07168	1237.8	1345.3	1452.9	1560.4	1668.0	1775.5	1883.1	1990.6	2098.2	2205.7	21.7	0.0	4.3	13.0	21.7	4.3	4.3	8.6	8.6	13.0
HA07169	2709.3	2880.3	3051.2	3222.2	3393.1	3564.0	3735.0	3905.9	4076.9	4247.8	8.6	4.3	8.6	21.7	8.6	8.6	4.3	13.0	13.0	8.6
HA07170	2289.4	2476.6	2663.8	2851.0	3038.2	3225.4	3412.6	3599.8	3787.0	3974.2	9.0	18.1	13.6	4.5	13.6	22.7	9.0	0.0	4.5	4.5
HA07171	706.8	774.3	841.7	909.1	976.6	1044.0	1111.4	1178.8	1246.3	1313.7	9.0	9.0	13.6	13.6	18.1	9.0	18.1	0.0	0.0	9.0
HA07172	2682.2	3101.6	3521.1	3940.6	4360.0	4779.5	5199.0	5618.5	6037.9	6457.4	12.1	9.0	30.3	24.2	0.0	12.1	0.0	3.0	3.0	6.0
HA07173	613.1	696.9	780.8	864.6	948.5	1032.3	1116.2	1200.0	1283.9	1367.7	9.0	0.0	18.1	0.0	18.1	18.1	9.0	0.0	18.1	9.0
HA07175	684.9	779.0	873.0	967.0	1061.1	1155.1	1249.1	1343.1	1437.2	1531.2	3.8	0.0	7.6	0.0	30.7	23.0	11.5	11.5	7.6	3.8
HA07176	735.8	795.7	855.6	915.5	975.4	1035.3	1095.2	1155.1	1215.0	1274.9	14.2	7.1	14.2	21.4	7.1	21.4	0.0	0.0	0.0	14.2
HA07178	1781.3	2023.2	2265.2	2507.2	2749.2	2991.1	3233.1	3475.1	3717.0	3959.0	52.9	5.8	23.5	11.7	0.0	0.0	0.0	0.0	0.0	5.8
HA07179	1227.3	1324.5	1421.8	1519.1	1616.4	1713.6	1810.9	1908.2	2005.4	2102.7	10.0	10.0	20.0	10.0	10.0	25.0	0.0	5.0	5.0	5.0
HA07180	1142.3	1278.7	1415.2	1551.7	1688.2	1824.6	1961.1	2097.6	2234.0	2370.5	4.7	0.0	0.0	0.0	23.8	9.5	38.0	9.5	9.5	4.7
HA07182	1039.8	1147.9	1255.9	1364.0	1472.1	1580.2	1688.3	1796.3	1904.4	2012.5	20.0	6.6	20.0	6.6	20.0	6.6	6.6	6.6	0.0	6.6
HA07184	808.6	912.2	1015.9	1119.5	1223.1	1326.7	1430.3	1534.0	1637.6	1741.2	21.4	35.7	28.5	0.0	7.1	0.0	0.0	0.0	0.0	7.1
HA07185	2229.6	2447.6	2665.7	2883.7	3101.8	3319.8	3537.9	3755.9	3974.0	4192.0	18.1	18.1	0.0	18.1	9.0	9.0	0.0	0.0	18.1	9.0
HA07186	1661.5	1959.6	2257.8	2556.0	2854.2	3152.3	3450.5	3748.7	4046.8	4345.0	5.2	5.2	21.0	21.0	26.3	0.0	0.0	10.5	5.2	5.2
HA07188	648.9	771.3	893.6	1016.0	1138.3	1260.6	1383.0	1505.3	1627.7	1750.0	3.3	3.3	6.6	10.0	6.6	30.0	13.3	20.0	3.3	3.3
HA07191	2523.2	2739.9	2956.6	3173.3	3390.0	3606.8	3823.5	4040.2	4256.9	4473.6	3.3	0.0	3.3	10.0	10.0	10.0	20.0	26.6	6.6	10.0
HA07192	1049.9	1124.6	1199.2	1273.9	1348.5	1423.1	1497.8	1572.4	1647.1	1721.7	10.0	5.0	20.0	0.0	25.0	5.0	20.0	0.0	10.0	5.0
HA07193	2811.4	3006.0	3200.5	3395.1	3589.6	3784.1	3978.7	4173.2	4367.8	4562.3	16.6	5.5	0.0	5.5	0.0	16.6	5.5	27.7	11.1	11.1
HA07194	2319.2	2456.9	2594.5	2732.2	2869.8	3007.4	3145.1	3282.7	3420.4	3558.0	20.0	0.0	10.0	0.0	40.0	10.0	0.0	0.0	0.0	20.0
HA07196	2116.3	2249.0	2381.8	2514.5	2647.3	2780.1	2912.8	3045.6	3178.3	3311.1	12.0	12.0	4.0	0.0	8.0	8.0	12.0	8.0	20.0	16.0
HA07198	1102.9	1186.9	1270.8	1354.8	1438.8	1522.8	1606.8	1690.7	1774.7	1858.7	11.1	3.7	7.4	14.8	11.1	11.1	11.1	11.1	14.8	3.7
HA07199	2491.5	2735.0	2978.5	3222.0	3465.5	3709.0	3952.5	4196.0	4439.5	4683.0	5.5	5.5	0.0	11.1	5.5	22.2	16.6	22.2	5.5	5.5
HA07201	1209.1	1328.5	1448.2	1567.7	1687.3	1806.8	1926.4	2045.9	2165.5	2285.0	12.9	3.2	3.2	16.1	9.6	12.9	16.1	6.4	9.6	9.6
HA07202	687.4	749.1	810.9	872.6	934.4	996.1	1057.9	1119.6	1181.4	1243.1	9.0	3.0	12.1	6.0	12.1	18.1	9.0	6.0	15.1	9.0
HA07203	1027.5	1144.3	1261.2	1378.0	1494.8	1611.6	1728.4	1845.3	1962.1	2078.9	31.5	15.7	10.5	10.5	10.5	0.0	5.2	5.2	5.2	5.2
HA07204	859.9	951.5	1043.2	1134.8	1226.5	1318.1	1409.8	1501.4	1593.1	1684.7	3.1	9.3	15.6	3.1	21.8	21.8	12.5	3.1	6.2	3.1
HA07205	822.9	879.1	935.4	991.6	1047.9	1104.2	1160.4	1216.7	1272.9	1329.2	4.3	8.6	17.3	13.0	17.3	8.6	0.0	8.6	13.0	8.6
HA07207	1161.1	1294.4	1427.7	1561.0	1694.3	1827.5	1960.8	2094.1	2227.4	2360.7	8.3	0.0	0.0	25.0	16.6	0.0	8.3	8.3	16.6	16.6
HA07208	1852.0	1983.1	2114.3	2245.5	2376.7	2507.8	2639.0	2770.2	2901.3	3032.5	9.5	14.2	9.5	9.5	9.5	19.0	0.0	9.5	4.7	14.2
HA07217	4016.6	4199.6	4382.6	4565.6	4748.6	4931.6	5114.6	5297.6	5480.6	5663.6	9.0	0.0	9.0	18.1	9.0	0.0	0.0	9.0	9.0	36.3

Tabla C.42. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Chiapas.

Estación	Características promedio de la sequía meteorológica										Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica		
	Periodicidad	DevStd PerS	PerS	Duración	DevStd DS	DS	Severidad	DevStd SS	SS	Intensidad			% de IS	lluvia disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c	Hp disp S(mm)	Hp disp S(mm)				
HA07002	6.0	1.0	3.6	0.4	618.2	448.3	171.7	22.0	585.1	5.1	EXTREMADAMENTE VASTA			
HA07003	3.8	1.1	3.0	2.0	431.0	458.8	143.6	17.0	660.1	3.7	EXTREMADAMENTE SEVERA			
HA07004	3.0	1.7	1.5	0.7	366.7	360.1	244.4	12.0	1729.6	4.8	SEVERA			
HA07005	3.8	1.1	2.1	1.2	391.5	260.2	186.4	11.0	1377.4	4.1	MUY SEVERA			
HA07006	4.2	3.4	2.1	2.5	488.1	704.4	232.4	14.0	1358.5	5.0	MUY SEVERA			
HA07007	3.5	1.3	2.0	0.8	347.4	178.5	173.6	14.0	1059.4	4.5	MUY SEVERA			
HA07008	5.2	3.7	2.7	3.1	1070.8	1191.8	396.5	18.0	1720.8	2.8	MUY SEVERA			
HA07009	3.5	1.5	1.8	0.9	329.2	327.6	182.8	18.0	819.0	4.3	SEVERA			
HA07011	3.7	0.8	1.7	0.9	393.8	308.2	231.6	20.0	917.6	4.6	SEVERA			
HA07012	5.0	2.1	3.0	3.4	2334.9	3432.9	778.2	22.0	2655.4	5.0	EXTREMADAMENTE VASTA			
HA07014	4.0	1.6	1.6	1.1	519.2	438.9	324.5	16.0	1616.2	5.7	SEVERA			
HA07015	5.6	3.4	2.6	2.4	566.3	737.0	217.8	18.0	979.7	5.1	MUY SEVERA			
HA07016	3.7	1.0	2.3	0.8	341.8	173.5	148.6	14.0	891.2	4.5	MUY SEVERA			
HA07020	5.0	1.5	2.0	1.2	779.1	393.8	389.5	14.0	2364.8	5.3	MUY SEVERA			
HA07022	4.7	1.9	1.9	1.5	588.7	667.4	309.8	14.0	1897.9	4.7	SEVERA			
HA07024	3.7	2.4	2.0	1.0	349.6	252.6	174.8	9.0	1665.7	4.1	MODERADA			
HA07026	4.1	1.9	2.4	1.6	425.4	356.3	177.2	11.0	1379.5	4.5	MUY SEVERA			
HA07028	3.3	1.2	2.7	1.7	259.4	251.2	96.0	12.0	677.4	3.4	MUY SEVERA			
HA07029	4.0	1.2	1.5	1.2	727.7	676.7	485.1	16.0	2507.4	6.7	SEVERA			
HA07030	6.2	4.2	2.6	1.8	549.9	457.0	211.5	17.0	978.9	5.6	MUY SEVERA			
HA07031	3.5	1.5	1.5	0.4	155.1	78.9	103.4	7.0	1262.4	5.9	NORMAL			
HA07032	4.2	2.7	2.3	1.0	1939.8	1450.7	843.3	20.0	3238.7	5.7	MUY SEVERA			
HA07033	6.5	5.0	3.3	2.7	1056.5	925.5	320.1	17.0	1547.8	4.5	EXTREMADAMENTE SEVERA			
HA07034	5.3	3.5	3.1	3.5	731.1	957.0	235.8	19.0	944.3	2.6	EXTREMADAMENTE SEVERA			
HA07035	4.8	1.3	2.1	1.2	307.9	162.2	146.6	15.0	811.9	5.3	MUY SEVERA			
HA07037	3.3	0.7	1.4	0.4	463.5	396.3	331.0	17.0	1543.6	6.1	SEVERA			
HA07038	3.1	1.0	1.4	0.4	643.7	752.3	459.7	15.0	2552.5	5.0	SEVERA			
HA07039	4.1	1.3	2.0	1.0	301.5	185.9	150.7	16.0	766.1	5.2	MUY SEVERA			
HA07040	5.0	1.8	2.2	1.0	526.4	413.9	239.2	17.0	1119.9	6.2	MUY SEVERA			
HA07041	3.6	1.6	1.7	1.2	591.1	488.9	347.7	11.0	2564.2	4.5	SEVERA			
HA07042	3.5	1.5	2.3	1.8	453.3	473.9	197.0	12.0	1362.8	4.3	MUY SEVERA			
HA07043	3.0	1.1	1.2	0.6	365.0	281.5	304.1	15.0	1622.9	5.0	SEVERA			
HA07047	5.5	2.5	3.0	2.8	630.5	628.6	210.1	5.0	3293.3	3.8	EXTRAORDINARIA			
HA07048	4.0	0.8	1.7	0.4	903.0	383.3	531.1	16.0	2610.0	4.5	SEVERA			
HA07050	4.1	2.2	2.1	1.6	713.4	897.6	339.7	17.0	1626.5	4.2	MUY SEVERA			
HA07051	8.0	4.0	3.6	3.0	705.8	746.3	196.0	12.0	1368.1	4.4	EXTREMADAMENTE SEVERA			
HA07052	7.0	0.5	4.0	2.0	898.5	211.5	224.6	6.0	3481.7	4.2	EXTREMADAMENTE SEVERA			
HA07054	3.9	2.7	2.1	2.7	610.9	887.5	290.9	11.0	2281.5	4.4	MUY SEVERA			

Tabla C.43. Características de la sequía promedio de cada estación climatológica del estado de Chiapas.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica		
	Periodicidad	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS	intensidad			% de IS	lluvia disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	Hp disp	S(mm)			Hp disp	S(mm)
HA07055	3.8	1.8	2.0	1.3	653.7	362.9	326.8	10.0	272.14		4.0	MODERADA		
HA07056	5.2	2.3	2.1	1.3	907.2	502.9	432.0	11.0	331.5		5.8	MUY SEVERA		
HA07057	3.3	1.1	1.7	0.8	511.6	326.1	300.9	7.0	379.5		4.9	NORMAL		
HA07058	4.6	1.9	2.4	1.3	908.7	656.4	378.6	9.0	368.5		4.9	MODERADA		
HA07060	3.5	1.5	1.5	0.8	723.3	671.5	482.2	10.0	407.3		6.2	NORMAL		
HA07061	5.0	3.0	2.3	1.2	1191.4	816.1	518.0	14.0	310.3		5.3	MUY SEVERA		
HA07063	2.7	0.9	1.1	0.3	435.8	176.7	396.1	14.0	235.7		3.7	SEVERA		
HA07065	5.0	3.0	2.4	2.3	239.0	262.7	99.5	15.0	561.9		4.5	MUY SEVERA		
HA07067	3.6	2.1	1.5	0.7	206.4	170.2	137.6	13.0	874.2		7.7	SEVERA		
HA07068	4.2	2.1	1.7	1.4	519.6	461.0	305.6	15.0	1675.5		6.3	SEVERA		
HA07069	2.8	1.0	1.4	0.7	171.7	141.0	122.6	13.0	815.0		5.2	SEVERA		
HA07070	3.5	1.0	2.3	1.2	448.2	318.2	194.8	13.0	1202.3		4.3	MUY SEVERA		
HA07071	4.0	1.5	1.7	0.7	481.9	297.6	283.4	15.0	1586.5		5.2	SEVERA		
HA07072	3.5	2.1	1.4	1.0	746.0	909.0	532.8	12.0	3781.9		6.5	SEVERA		
HA07073	4.0	1.7	2.8	2.0	621.9	549.3	222.1	16.0	1114.8		4.7	MUY SEVERA		
HA07074	6.3	1.8	2.2	1.2	917.5	567.5	417.0	19.0	1688.5		5.9	MUY SEVERA		
HA07075	3.6	1.6	1.4	0.5	549.0	406.8	392.1	19.0	1600.9		7.2	SEVERA		
HA07077	3.8	0.6	2.1	1.1	856.6	690.3	407.9	12.0	2798.8		5.3	MUY SEVERA		
HA07078	5.0	2.1	2.5	0.9	538.1	270.1	215.2	16.0	1061.7		3.7	MUY SEVERA		
HA07079	2.8	1.1	1.5	0.8	696.8	546.6	464.5	11.0	3493.8		3.9	SEVERA		
HA07081	2.8	1.0	1.1	0.3	555.7	639.1	505.1	15.0	2685.2		8.4	SEVERA		
HA07082	2.7	0.7	1.1	0.3	334.6	260.8	304.1	19.0	1245.6		5.9	SEVERA		
HA07084	3.0	1.0	1.2	0.4	435.4	294.4	362.8	17.0	1695.1		4.6	SEVERA		
HA07085	2.8	0.8	1.4	0.6	551.7	519.9	394.0	15.0	2232.5		5.0	SEVERA		
HA07086	4.0	1.7	1.6	0.8	308.8	252.0	193.0	17.0	882.8		5.5	SEVERA		
HA07087	4.2	1.6	2.3	1.3	270.2	230.7	117.4	11.0	878.8		3.3	MUY SEVERA		
HA07089	3.6	1.6	2.0	0.7	993.3	185.1	496.6	18.0	2233.0		4.4	MUY SEVERA		
HA07090	3.3	1.4	1.4	0.7	390.8	462.5	279.1	18.0	1217.7		6.4	SEVERA		
HA07091	2.8	0.8	1.3	0.6	235.9	261.4	181.4	18.0	799.8		5.6	SEVERA		
HA07093	6.6	1.2	2.7	2.4	475.0	491.2	175.9	20.0	679.4		5.0	MUY SEVERA		
HA07094	3.6	0.9	2.0	1.2	317.2	225.4	158.6	18.0	679.4		5.0	MUY SEVERA		
HA07095	3.0	0.8	1.0	0.5	317.3	155.1	317.2	10.0	2785.8		5.7	NORMAL		
HA07097	3.6	1.7	2.3	1.6	339.0	200.9	147.3	20.0	566.2		5.0	MUY SEVERA		
HA07099	4.1	2.0	1.9	1.5	267.8	239.7	140.9	14.0	810.2		5.4	SEVERA		
HA07100	4.3	1.2	3.2	0.8	274.2	110.7	85.6	13.0	564.9		3.4	EXTREMADAMENTE SEVERA		
HA07102	4.2	1.6	2.3	1.3	276.9	226.5	120.3	12.0	859.7		4.8	MUY SEVERA		
HA07104	4.3	0.4	3.0	1.0	536.7	484.7	178.8	17.0	851.6		4.8	EXTREMADAMENTE SEVERA		
HA07105	3.6	1.2	2.5	1.1	871.6	997.4	348.6	10.0	2939.7		5.4	MODERADA		

Tabla C.43. Características de la sequía promedio de cada estación climatológica del estado de Chiapas.

Características promedio de la sequía meteorológica											Tr(años) para	Tipo de sequía Meteorológica	
Estación	Periodicidad PerS(años)	DesvStd (años)	PerS (años)	Duración DS(años)	DesvStd (años)	DS (años)	Severidad SS(mm)	DesvStd (mm)	SS (mm)	Intensidad IS(mm/año)			% de IS respecto a X _o
HA07106	4.6	1.2	2.2	1.6	504.9	303.8	229.5	7.0	2966.6			5.7	MODERADA
HA07107	6.0	3.7	2.5	2.0	554.0	497.9	221.6	11.0	1693.0			5.2	MUY SEVERA
HA07108	4.5	3.2	2.0	1.5	439.5	416.2	219.7	11.0	1739.7			6.6	MUY SEVERA
HA07109	4.5	2.0	2.6	2.3	177.6	175.0	68.3	6.0	1046.9			4.3	MODERADA
HA07112	5.0	3.7	3.6	3.5	1030.9	1171.7	286.3	11.0	2148.1			3.1	EXTREMADAMENTE SEVERA
HA07113	3.7	0.7	1.8	1.0	540.0	356.6	300.0	11.0	2259.6			4.8	SEVERA
HA07114	4.5	2.0	2.2	0.9	496.5	260.8	225.6	13.0	1427.2			4.6	MUY SEVERA
HA07115	3.1	1.0	1.5	0.7	304.5	154.7	203.0	8.0	2310.2			4.5	NORMAL
HA07117	5.9	2.0	2.7	1.8	949.6	1163.8	527.5	16.0	2691.1			6.8	SEVERA
HA07118	3.0	0.7	1.1	0.3	1056.8	1286.7	391.4	16.0	1947.6			5.3	MUY SEVERA
HA07119	3.0	0.7	1.1	0.3	203.5	123.2	185.0	12.0	1312.6			6.2	SEVERA
HA07119	5.4	2.6	3.3	2.8	382.5	433.4	115.9	14.0	693.4			3.6	EXTREMADAMENTE SEVERA
HA07121	5.0	2.5	2.1	1.2	757.2	678.2	360.5	20.0	1429.6			5.3	MUY SEVERA
HA07122	5.3	2.6	3.2	1.6	1243.7	944.4	388.6	20.0	1542.2			2.6	EXTREMADAMENTE SEVERA
HA07123	5.1	1.5	2.9	1.6	417.6	405.1	144.0	18.0	661.0			3.5	MUY SEVERA
HA07124	7.0	3.0	2.3	1.8	870.2	479.2	378.3	19.0	1592.6			5.0	MUY SEVERA
HA07125	4.3	1.6	2.0	0.7	627.0	297.6	313.5	20.0	1239.9			4.4	MUY SEVERA
HA07128	4.1	2.0	2.0	1.8	1139.7	1404.2	569.8	15.0	3150.5			5.9	MUY SEVERA
HA07130	4.5	1.1	2.3	0.4	284.8	131.7	123.8	14.0	724.2			3.2	MUY SEVERA
HA07133	5.5	0.5	2.3	0.9	681.0	204.6	296.0	15.0	1563.5			4.3	MUY SEVERA
HA07134	4.2	2.0	1.8	1.0	304.1	275.3	168.9	17.0	788.8			5.9	SEVERA
HA07135	2.6	1.2	1.8	1.5	246.5	260.5	136.9	13.0	875.6			4.6	SEVERA
HA07136	3.7	2.2	3.2	4.2	883.3	1245.7	276.0	20.0	1068.2			3.5	EXTREMADAMENTE SEVERA
HA07137	3.0	1.1	2.0	1.3	181.5	71.8	90.7	9.0	905.9			3.9	MODERADA
HA07138	5.0	1.0	3.0	1.6	1119.3	996.9	373.1	17.0	1773.0			5.4	EXTREMADAMENTE SEVERA
HA07139	3.0	0.8	1.3	0.4	211.2	142.2	162.4	14.0	925.3			4.5	SEVERA
HA07140	3.1	0.9	2.0	0.8	695.4	304.3	347.7	10.0	3084.7			3.4	MODERADA
HA07142	3.9	0.8	3.5	1.1	601.4	249.6	171.8	12.0	1251.1			3.6	EXTREMADAMENTE SEVERA
HA07143	4.0	0.5	3.0	1.0	490.8	251.2	163.6	16.0	831.9			4.8	EXTREMADAMENTE SEVERA
HA07145	4.5	3.1	2.5	2.5	565.4	953.5	226.1	14.0	1323.2			4.3	MUY SEVERA
HA07147	4.1	2.0	1.6	0.7	985.2	630.1	615.7	17.0	2939.0			6.5	SEVERA
HA07148	3.5	0.9	2.0	0.9	440.3	302.3	220.1	13.0	1374.5			4.0	MUY SEVERA
HA07149	3.3	1.0	1.6	0.4	330.6	253.8	206.6	12.0	1449.2			4.7	SEVERA
HA07150	4.5	1.5	3.2	2.2	415.3	386.9	129.7	9.0	1231.7			7.5	EXTRAORDINARIA
HA07151	3.7	2.6	1.6	1.1	497.4	463.0	310.8	13.0	2007.8			6.3	SEVERA
HA07153	4.0	1.0	2.3	1.4	632.5	820.6	275.0	12.0	1905.0			4.6	MUY SEVERA
HA07154	8.0	0.5	4.0	3.0	1001.4	642.9	250.2	7.0	3318.0			2.1	MUY SEVERA
HA07155	3.2	1.1	1.6	1.1	293.7	272.5	183.5	12.0	1240.1			3.1	SEVERA

Tabla C.43. Características de la sequía promedio de cada estación climatológica del estado de Chiapas.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica		
	Periodicidad	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS	Intensidad			% de IS	fluvia disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	Hp disp	S(mm)			Hp disp	S(mm)
HA07156	2.6	0.6	1.4	0.6	241.2	256.1	172.2	9.0	1574.5	4.3	NORMAL			
HA07157	5.4	2.2	3.1	1.4	1591.5	1280.2	513.3	10.0	4378.6	3.6	EXTRAORDINARIA			
HA07158	2.6	0.9	1.2	0.4	568.0	382.9	473.3	11.0	3723.4	4.9	SEVERA			
HA07159	3.6	0.4	2.2	1.0	662.3	412.1	301.0	18.0	1332.4	3.8	MUY SEVERA			
HA07161	3.5	1.1	1.5	0.8	244.4	113.5	162.9	14.0	999.8	1.9	SEVERA			
HA07163	6.5	1.9	2.8	1.6	772.5	666.0	275.8	18.0	1178.0	5.4	MUY SEVERA			
HA07166	4.7	1.1	3.5	3.9	1760.1	1276.5	502.8	12.0	3596.4	4.4	EXTREMADAMENTE SEVERA			
HA07168	3.4	0.5	1.7	0.6	446.4	437.8	262.5	15.0	1388.4	4.5	SEVERA			
HA07169	4.3	1.8	2.0	1.8	775.3	882.3	387.6	11.0	3027.7	4.3	MUY SEVERA			
HA07170	3.5	1.2	1.4	0.4	618.2	231.1	441.5	15.0	2429.7	4.2	SEVERA			
HA07171	3.2	0.7	2.0	1.1	245.3	280.5	122.6	13.0	813.9	4.2	MUY SEVERA			
HA07172	6.1	3.3	4.0	2.9	2033.9	1187.4	508.4	13.0	3226.7	3.2	MUY SEVERA			
HA07173	9.0	0.5	3.0	2.0	504.8	65.1	168.2	17.0	798.7	4.8	EXTREMADAMENTE SEVERA			
HA07175	4.0	2.0	1.8	0.8	269.3	176.9	149.6	13.0	957.6	6.4	SEVERA			
HA07176	3.2	1.0	1.5	0.8	189.5	153.9	126.3	13.0	791.2	5.0	SEVERA			
HA07178	3.7	1.2	1.9	1.0	663.3	388.7	349.1	17.0	1656.9	2.9	SEVERA			
HA07179	4.7	2.6	2.0	1.0	400.2	312.9	200.1	13.0	1320.1	7.2	MUY SEVERA			
HA07180	2.7	0.8	1.2	0.4	238.2	231.3	198.5	10.0	1630.5	4.0	NORMAL			
HA07182	2.7	0.7	1.1	0.9	299.2	115.0	272.0	20.0	1056.6	4.5	SEVERA			
HA07184	3.0	1.7	1.9	1.5	200.1	284.2	105.3	11.0	845.4	3.7	SEVERA			
HA07185	3.5	1.5	2.0	1.4	1111.5	851.5	555.7	18.0	2411.8	4.2	MUY SEVERA			
HA07186	3.5	2.0	2.0	1.5	1080.9	1053.5	540.4	20.0	2074.3	5.8	MUY SEVERA			
HA07188	3.0	1.6	1.5	0.9	337.9	366.6	225.2	18.0	983.1	5.4	SEVERA			
HA07191	3.0	0.7	1.4	0.9	602.7	440.4	430.5	11.0	3226.4	6.2	SEVERA			
HA07192	4.2	1.9	2.2	1.1	330.7	163.4	150.3	11.0	1176.1	4.2	MUY SEVERA			
HA07193	3.7	1.7	1.3	0.4	887.2	781.4	682.4	18.0	3036.5	2.9	SEVERA			
HA07194	4.0	1.0	2.0	1.4	527.5	371.7	263.7	9.0	2540.4	3.1	MODERADA			
HA07196	4.4	2.7	1.6	1.1	798.8	744.7	499.2	18.0	2246.2	4.3	SEVERA			
HA07198	4.3	2.4	2.1	1.7	428.9	337.0	204.2	14.0	1244.8	4.9	MUY SEVERA			
HA07199	3.3	1.0	1.3	0.4	658.6	457.4	506.6	13.0	3116.4	6.5	SEVERA			
HA07201	3.7	1.8	1.8	0.9	549.9	477.9	305.5	17.0	1410.4	5.2	SEVERA			
HA07202	3.8	1.4	1.8	1.3	283.0	217.0	157.2	16.0	795.6	6.1	SEVERA			
HA07203	5.0	2.9	2.7	3.0	648.0	846.3	240.0	18.0	1043.3	3.5	MUY SEVERA			
HA07204	4.2	2.5	1.8	1.2	315.0	308.3	175.0	14.0	1022.8	6.0	SEVERA			
HA07205	3.6	0.9	2.0	1.1	213.7	147.2	106.8	10.0	936.2	4.0	MODERADA			
HA07207	2.0	0.5	3.0	2.0	1019.1	809.4	339.7	18.0	1452.4	4.2	EXTREMADAMENTE SEVERA			
HA07208	5.0	1.4	2.5	1.1	863.9	476.6	345.5	14.0	2011.4	5.1	MUY SEVERA			
HA07217	2.5	0.8	0.9	0.0	604.3	307.4	671.4	13.0	4312.4	5.6	MUY SEVERA			

Tabla C.43. Características de la sequía promedio de cada estación climatológica del estado de Chiapas.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración $I_{máx}$	% de $I_{máx}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{I_{máx}}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA07002	1243.2	4.0	310.8	41.0	310.8	4.0	41.0	0.0	0.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0
HA07003	1349.8	7.0	192.8	23.0	322.8	2.0	40.0	16.6	50.0	0.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0
HA07004	1135.9	3.0	378.6	19.0	378.6	3.0	19.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07005	860.1	4.0	215.0	13.0	279.8	1.0	17.0	50.0	12.5	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07006	2590.8	10.0	259.0	16.0	527.9	1.0	33.0	63.6	18.1	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07007	578.4	3.0	192.8	15.0	236.2	2.0	19.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	9.0
HA07008	4145.1	11.0	376.8	17.0	633.0	1.0	29.0	50.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07009	1079.5	4.0	269.8	26.0	269.8	4.0	26.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA07011	1015.2	4.0	253.8	22.0	368.0	1.0	32.0	50.0	37.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA07012	8276.9	9.0	919.6	26.0	919.6	9.0	26.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07014	1297.7	4.0	324.4	16.0	855.4	1.0	44.0	66.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	25.0
HA07015	1934.3	4.0	483.5	40.0	483.5	4.0	40.0	44.4	22.2	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA07016	539.2	3.0	179.7	17.0	179.7	3.0	17.0	20.0	20.0	60.0	0.0	0.0	0.0	0.0	0.0	11.1	0.0
HA07020	1233.4	1.0	1233.4	44.0	1233.4	1.0	44.0	60.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07022	1888.6	5.0	377.7	17.0	405.3	1.0	18.0	60.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA07024	779.9	4.0	194.9	10.0	215.5	2.0	11.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07026	1231.1	5.0	246.2	15.0	279.2	1.0	17.0	42.8	28.5	0.0	0.0	28.5	0.0	0.0	0.0	0.0	0.0
HA07028	677.2	5.0	135.4	17.0	135.4	5.0	17.0	50.0	0.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0
HA07029	1817.4	4.0	454.3	15.0	1140.3	1.0	38.0	80.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07030	1239.3	6.0	206.5	17.0	319.5	3.0	26.0	40.0	20.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA07031	298.6	2.0	149.3	10.0	175.8	1.0	12.0	40.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07032	3965.3	2.0	1982.6	48.0	1982.6	2.0	48.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07033	3030.0	10.0	303.0	16.0	481.3	2.0	25.0	12.5	50.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	12.5
HA07034	3363.4	13.0	258.7	21.0	329.6	2.0	27.0	33.3	33.3	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07035	555.7	4.0	138.9	14.0	348.7	1.0	36.0	42.8	28.5	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
HA07037	1260.3	2.0	630.1	33.0	630.1	2.0	33.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07038	2350.6	1.0	2350.6	78.0	2350.6	1.0	78.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07039	690.5	3.0	230.1	25.0	321.3	1.0	35.0	37.5	37.5	12.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
HA07040	1165.6	4.0	291.4	21.0	665.4	1.0	48.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA07041	1359.1	4.0	339.7	11.0	566.4	1.0	19.0	75.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07042	1123.5	5.0	224.6	14.0	224.6	5.0	14.0	66.6	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0
HA07043	871.2	3.0	290.4	15.0	579.2	1.0	30.0	85.7	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07047	1511.5	7.0	215.9	6.0	293.5	1.0	8.0	66.6	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0
HA07048	1385.6	2.0	692.8	22.0	737.3	1.0	23.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07050	2497.5	6.0	416.2	21.0	653.9	3.0	33.0	50.0	25.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
HA07051	1761.2	8.0	220.1	14.0	220.1	8.0	14.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0
HA07052	1110.1	6.0	185.0	4.0	343.4	2.0	9.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07054	2744.4	9.0	304.9	11.0	564.4	1.0	21.0	85.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2	0.0

Tabla C.44. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Chiapas.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_c	$I^*(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA07055	1214.8	5.0	242.9	7.0	527.2	2.0	17.0	50.0	25.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
HA07056	1400.9	5.0	280.1	7.0	1034.3	1.0	27.0	33.3	50.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA07057	981.6	3.0	327.2	8.0	421.9	1.0	10.0	57.1	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07058	2178.6	2.0	1089.3	26.0	1089.3	2.0	26.0	28.5	42.8	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
HA07060	2035.7	2.0	1017.9	22.0	1017.9	2.0	22.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07061	2341.7	4.0	585.4	16.0	585.4	4.0	16.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA07063	636.7	2.0	318.3	11.0	522.8	1.0	18.0	83.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07065	737.0	7.0	105.2	16.0	174.3	1.0	26.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07067	425.5	2.0	212.7	20.0	383.6	1.0	37.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	20.0	0.0	0.0
HA07068	1479.2	5.0	295.8	14.0	816.7	1.0	41.0	70.0	10.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
HA07069	397.7	2.0	198.8	21.0	198.8	2.0	21.0	71.4	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07070	914.0	4.0	228.5	16.0	263.8	2.0	18.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA07071	968.3	3.0	322.7	17.0	322.7	3.0	17.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07072	2825.9	1.0	2825.9	65.0	2825.9	1.0	65.0	85.7	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA07073	1671.4	7.0	238.7	17.0	310.7	3.0	23.0	33.3	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07074	1595.8	3.0	531.9	25.0	531.9	3.0	25.0	50.0	0.0	25.0	25.0	0.0	0.0	0.0	16.6	0.0	0.0
HA07075	1261.3	1.0	1261.3	63.0	1261.3	1.0	63.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07077	2342.0	4.0	585.5	18.0	585.5	4.0	18.0	42.8	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA07078	888.2	3.0	296.0	23.0	298.9	1.0	23.0	14.2	28.5	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA07079	1688.9	2.0	844.4	21.0	844.4	2.0	21.0	63.6	27.2	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07081	2006.0	1.0	2006.0	62.0	2006.0	1.0	62.0	85.7	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07082	757.4	1.0	757.4	48.0	757.4	1.0	48.0	83.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07084	929.8	2.0	464.9	22.0	650.2	1.0	31.0	71.4	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07085	1943.7	3.0	647.9	24.0	691.4	1.0	26.0	63.6	27.2	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07086	903.8	3.0	301.2	28.0	407.3	1.0	37.0	62.5	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07087	676.2	5.0	135.2	13.0	154.9	2.0	15.0	33.3	33.3	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA07089	1230.0	3.0	410.0	15.0	1021.3	1.0	37.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07090	1493.4	3.0	497.8	33.0	497.8	3.0	33.0	71.4	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07091	951.9	3.0	317.3	32.0	491.1	1.0	50.0	72.7	18.1	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07093	1293.0	7.0	184.7	21.0	379.1	1.0	44.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0
HA07094	705.3	4.0	176.3	21.0	176.3	4.0	21.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07095	535.4	1.0	535.5	17.0	535.5	1.0	17.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07097	738.6	6.0	123.1	17.0	384.7	1.0	53.0	33.3	50.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA07099	741.0	6.0	123.5	12.0	245.6	1.0	25.0	60.0	20.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
HA07100	408.7	4.0	102.1	15.0	102.1	4.0	15.0	0.0	25.0	25.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07102	781.7	4.0	195.4	19.0	210.0	1.0	21.0	37.5	25.0	0.0	37.5	0.0	0.0	0.0	0.0	0.0	0.0
HA07104	1350.6	4.0	337.6	32.0	337.6	4.0	32.0	0.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07105	2550.0	4.0	637.5	19.0	637.5	4.0	19.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.44. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Chiapas.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I^*(mm/a\acute{o})$	respecto a X_c	$I^*(mm/a\acute{o})$	$D_{m\acute{a}x}(a\acute{o}s)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA07106	897.2	1.0	897.2	28.0	897.2	1.0	28.0	50.0	25.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA07107	1391.2	6.0	231.8	12.0	439.1	1.0	22.0	50.0	25.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
HA07108	1144.0	5.0	228.8	11.0	692.1	1.0	35.0	60.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA07109	515.8	7.0	73.6	6.0	106.2	1.0	9.0	60.0	0.0	20.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
HA07112	3597.0	11.0	327.0	13.0	344.4	1.0	14.0	33.3	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA07113	1176.2	2.0	588.1	22.0	588.1	2.0	22.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA07114	966.1	2.0	483.0	29.0	483.0	2.0	29.0	20.0	60.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07115	511.6	3.0	170.5	6.0	419.0	1.0	16.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07116	3155.2	5.0	631.0	19.0	1087.1	1.0	33.0	80.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA07117	3858.6	6.0	643.1	27.0	643.1	6.0	27.0	28.5	42.8	0.0	0.0	14.2	14.2	0.0	0.0	0.0	0.0
HA07118	351.7	2.0	175.8	11.0	348.7	1.0	23.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07119	1249.0	9.0	138.7	17.0	159.6	1.0	19.0	36.3	27.2	0.0	9.0	0.0	9.0	0.0	9.0	9.0	0.0
HA07121	1926.2	4.0	481.5	26.0	481.5	4.0	26.0	50.0	0.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA07122	2852.9	6.0	475.4	24.0	475.4	6.0	24.0	14.2	28.5	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0
HA07123	1386.5	7.0	198.0	24.0	253.3	2.0	31.0	9.0	45.4	27.2	0.0	9.0	0.0	9.0	0.0	0.0	0.0
HA07124	1426.4	5.0	285.2	14.0	927.6	1.0	47.0	66.6	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0
HA07125	824.8	2.0	412.4	26.0	412.4	2.0	26.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07128	3943.3	7.0	563.3	15.0	976.5	4.0	26.0	70.0	10.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
HA07130	456.2	3.0	152.0	17.0	152.0	3.0	17.0	0.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07133	891.0	3.0	297.0	15.0	748.4	1.0	40.0	33.3	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07134	825.7	4.0	206.4	21.0	288.8	2.0	30.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA07135	911.4	6.0	151.9	15.0	400.8	1.0	39.0	70.0	10.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
HA07136	4314.9	15.0	287.6	21.0	423.3	2.0	31.0	33.3	44.4	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07137	314.3	5.0	62.8	6.0	220.6	1.0	22.0	42.8	42.8	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA07138	2445.4	5.0	489.0	22.0	489.0	5.0	22.0	33.3	0.0	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0
HA07139	513.7	1.0	513.7	47.0	513.7	1.0	47.0	70.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07140	1123.6	3.0	374.5	10.0	908.3	1.0	26.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07142	796.3	5.0	159.2	11.0	261.5	3.0	18.0	0.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0
HA07143	742.0	4.0	185.5	18.0	185.5	4.0	18.0	0.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07145	3066.3	9.0	340.7	21.0	340.7	9.0	21.0	50.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0	12.5	0.0
HA07147	2181.2	3.0	727.0	20.0	934.8	1.0	26.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07148	811.2	2.0	405.6	25.0	405.6	2.0	25.0	28.5	57.1	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA07149	695.6	2.0	347.8	21.0	347.8	2.0	21.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07150	1026.7	7.0	146.6	10.0	202.9	3.0	14.0	40.0	0.0	20.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0
HA07151	1501.7	2.0	750.8	32.0	750.8	2.0	32.0	66.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA07153	2405.6	5.0	481.1	22.0	481.1	5.0	22.0	50.0	0.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA07154	1644.1	7.0	234.8	6.0	358.2	1.0	10.0	50.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0
HA07155	830.4	4.0	207.6	14.0	310.8	1.0	21.0	66.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.44. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Chiapas.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I^*	Intensidad	Duración $I_{m\acute{a}x}$	% de $I_{m\acute{a}x}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}$ (mm)	$D_{m\acute{a}x}$ (años)	I^* (mm/año)	respecto a X_s	$I_{m\acute{a}x}$ (mm/año)	$D_{I_{m\acute{a}x}}$ (años)	respecto a X_s	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA07156	693.5	1.0	693.5	39.0	693.5	1.0	39.0	66.6	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07157	4156.6	6.0	692.7	14.0	960.2	2.0	19.0	12.5	25.0	25.0	25.0	0.0	12.5	0.0	0.0	0.0	0.0
HA07158	1284.7	2.0	642.3	15.0	784.5	1.0	18.0	77.7	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07159	1281.1	4.0	320.2	19.0	577.4	1.0	35.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07161	353.6	3.0	117.8	10.0	307.7	1.0	26.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07163	2199.9	5.0	440.0	30.0	440.0	5.0	30.0	42.8	0.0	0.0	42.8	14.2	0.0	0.0	0.0	0.0	0.0
HA07166	3720.6	12.0	310.0	7.0	971.9	3.0	23.0	50.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07168	1417.1	3.0	472.3	28.0	472.3	3.0	28.0	42.8	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07169	2678.4	6.0	446.4	13.0	641.8	1.0	18.0	66.6	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA07170	1107.9	2.0	553.9	19.0	769.0	1.0	26.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07171	846.6	4.0	211.6	22.0	211.6	4.0	22.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA07172	4144.6	7.0	592.0	15.0	959.6	2.0	25.0	16.6	33.3	16.6	0.0	0.0	0.0	16.6	0.0	16.6	0.0
HA07173	570.9	5.0	114.1	11.0	438.7	1.0	45.0	50.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0
HA07175	617.8	2.0	308.9	27.0	310.0	1.0	27.0	42.8	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07176	465.5	3.0	155.1	16.0	155.1	3.0	16.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07178	1426.8	4.0	356.7	17.0	465.7	1.0	23.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07179	870.3	4.0	217.5	14.0	334.1	2.0	21.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07180	823.2	1.0	823.2	45.0	823.2	1.0	45.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07182	428.2	2.0	214.1	16.0	398.9	1.0	29.0	83.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07184	758.2	5.0	151.6	15.0	151.6	5.0	15.0	60.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA07185	2223.4	4.0	555.8	18.0	956.0	1.0	32.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA07186	3146.4	5.0	629.2	24.0	629.2	5.0	24.0	60.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA07188	1005.6	2.0	502.8	41.0	502.8	2.0	41.0	66.6	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA07191	1350.4	1.0	1350.4	36.0	1350.4	1.0	36.0	77.7	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA07192	516.5	3.0	172.1	12.0	351.1	1.0	26.0	40.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07193	2079.4	2.0	1039.7	27.0	1039.7	2.0	27.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07194	960.4	4.0	240.1	8.0	569.4	1.0	20.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA07196	2306.3	4.0	576.5	20.0	761.9	1.0	27.0	66.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA07198	1138.3	6.0	189.7	13.0	430.1	1.0	29.0	50.0	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA07199	1377.0	1.0	1377.0	37.0	1377.0	1.0	37.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07201	1540.9	3.0	513.6	29.0	513.6	3.0	29.0	50.0	12.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07202	749.1	5.0	149.8	15.0	248.1	1.0	26.0	62.5	12.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
HA07203	2109.0	8.0	263.6	20.0	272.1	1.0	21.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0
HA07204	1068.1	4.0	267.0	22.0	267.0	4.0	22.0	62.5	12.5	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07205	427.8	3.0	142.6	13.0	276.4	1.0	26.0	57.1	0.0	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA07207	1828.5	5.0	365.7	20.0	365.7	5.0	20.0	50.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0
HA07208	1605.2	4.0	401.3	17.0	446.8	2.0	18.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA07217	1150.2	1.0	1150.2	23.0	1150.2	1.0	23.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.44. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Chiapas.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _c (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p mín(mm)	H _p mín
Acacoyagua	2559.7	2560.0	361.8	0.1	3.9	0.14	2572.0	2244.0	2016.0	1786.0	1466.0	1207.0	11.6	1807.2	18.8
Acala	803.8	779.7	245.8	1.1	6.0	0.31	763.0	618.0	514.0	397.0	200.0	16.0	9.4	404.9	19.2
Acepetahua	3012.3	3058.2	709.2	-1.9	10.0	0.24	3121.0	2548.0	2169.0	1805.0	1334.0	982.0	97.1	661.6	188.1
Altamirano	1644.5	1634.5	242.2	0.1	3.6	0.15	1650.0	1469.0	1345.0	1219.0	1041.0	895.0	23.9	1063.0	44.8
Amatán	1567.9	1547.0	292.2	0.6	3.3	0.19	1513.0	1335.0	1224.0	1116.0	968.0	849.0	13.7	1064.5	27.7
Amatenango de la Frontera	1556.7	1528.2	252.8	0.4	2.8	0.16	1517.0	1364.0	1271.0	1184.0	1072.0	988.0	18.7	1103.9	38.5
Ametenango del Valle	1075.3	1082.5	211.9	-0.4	3.1	0.20	1096.0	897.0	793.0	699.0	580.0	491.0	23.4	594.5	44.6
Angel Albino Corzo	2117.4	2051.0	588.8	1.5	6.6	0.28	1829.0	1601.0	1407.0	980.0	291.0	0.0	4.6	1332.0	11.8
Arriaga	1330.6	1356.4	305.0	0.7	4.3	0.23	1267.0	1042.0	928.0	796.0	575.0	385.0	5.1	931.7	9.8
Bejucal de Ocampo	1012.9	1021.0	175.5	0.1	3.8	0.17	1026.0	953.0	821.0	683.0	506.0	375.0	18.2	629.2	26.3
Bella Vista	1840.5	1822.5	264.0	0.4	3.5	0.14	1794.0	1638.0	1546.0	1459.0	1347.0	1263.0	13.5	1410.0	29.9
Berriozábal	1594.6	1565.1	338.2	0.2	3.1	0.21	1551.0	1326.0	1196.0	1073.0	917.0	799.0	19.0	952.7	40.5
Bochil	958.6	956.2	192.5	0.0	3.5	0.20	954.0	821.0	721.0	609.0	442.0	307.0	16.6	561.5	26.3
Bosque, El	1449.0	1451.5	232.8	-0.2	2.7	0.16	1456.0	1242.0	1131.0	1030.0	900.0	804.0	12.1	1018.9	21.6
Cacahoatán	3958.4	3875.8	723.1	1.4	8.1	0.18	3818.0	3373.0	3020.0	2554.0	1733.0	1053.0	11.8	2520.4	20.9
Catazajá	2626.5	2589.6	477.9	0.0	2.5	0.18	2595.0	2233.0	2021.0	1823.0	1569.0	1380.0	14.7	1737.3	27.2
Cintalapa	713.5	664.6	240.8	1.0	4.9	0.34	683.0	566.0	491.0	417.0	317.0	235.0	18.1	328.8	45.0
Coapilla	958.6	956.2	192.5	0.0	3.5	0.20	954.0	821.0	721.0	609.0	442.0	307.0	16.6	561.5	26.3
Comitán de Domínguez	1043.1	1016.0	157.0	0.3	2.6	0.15	1011.0	917.0	862.0	811.0	745.0	696.0	17.0	766.6	36.9
Concordia, La	1374.8	1407.4	307.8	0.1	4.0	0.22	1411.0	1148.0	975.0	809.0	593.0	431.0	13.9	745.4	26.2
Copainalá	937.7	922.1	178.3	0.7	5.3	0.19	923.0	818.0	751.0	688.0	606.0	544.0	27.9	577.8	68.2
Chalchihuitán	1449.0	1451.5	232.8	-0.2	2.7	0.16	1456.0	1242.0	1131.0	1030.0	900.0	804.0	12.1	1018.9	21.6
Chamula	1208.3	1213.9	271.5	-0.5	3.8	0.22	1238.0	1003.0	847.0	697.0	501.0	352.0	25.1	526.6	44.4
Chanal	1591.0	1554.8	303.4	0.1	3.1	0.19	1554.0	1360.0	1212.0	1024.0	756.0	551.0	14.1	993.9	22.2
Chapultenango	4082.0	4231.3	918.8	-0.7	3.3	0.23	4232.0	3337.0	2840.0	2383.0	1801.0	1368.0	21.2	2016.5	35.5
Chenalhó	1867.9	1845.7	474.5	1.5	7.9	0.25	1839.0	1511.0	1284.0	1046.0	683.0	337.0	8.3	1089.6	17.7
Chiapa de Corzo	957.8	970.9	188.6	-0.3	3.4	0.20	971.0	813.0	711.0	613.0	484.0	385.0	23.2	511.7	40.9
Chiapilla	1180.1	1042.5	388.3	1.7	6.4	0.33	992.0	857.0	744.0	523.0	81.0	0.0	2.1	818.5	6.6
Chicoasén	958.6	956.2	192.5	0.0	3.5	0.20	954.0	821.0	721.0	609.0	442.0	307.0	16.6	561.5	26.3
Chicomuselo	1397.1	1317.2	319.2	1.1	4.9	0.23	1363.0	1174.0	1053.0	938.0	789.0	678.0	14.6	856.5	33.0
Chilón	1930.8	1866.0	592.2	1.4	5.5	0.31	1661.0	1408.0	1252.0	968.0	389.0	0.0	3.0	1246.2	10.2
Escuintla	3141.2	3142.4	622.4	0.2	2.6	0.20	3047.0	2563.0	2291.0	2038.0	1715.0	1475.0	5.4	2358.0	8.4
Francisco León	4196.7	4209.7	548.5	-0.4	2.7	0.13	4189.0	3718.0	3474.0	3249.0	2964.0	2752.0	20.4	3056.1	37.1
Frontera Comalapa	1355.9	1303.1	235.3	0.8	3.5	0.17	1295.0	1185.0	1117.0	1053.0	970.0	907.0	13.4	997.4	37.1
Frontera Hidalgo	1981.1	2016.9	334.3	-0.5	3.6	0.17	2008.0	1734.0	1559.0	1392.0	1175.0	1012.0	28.6	1164.4	52.3
Grandeza, La	1840.5	1822.5	264.0	0.4	3.5	0.14	1794.0	1638.0	1546.0	1459.0	1347.0	1263.0	13.5	1410.0	29.9
Huehuetán	1993.1	2056.5	441.8	-1.1	6.0	0.22	2015.0	1699.0	1514.0	1342.0	1121.0	957.0	117.9	731.7	259.4
Huixtán	996.2	1000.3	143.0	0.5	3.7	0.14	982.0	849.0	800.0	736.0	621.0	526.0	5.2	788.0	11.6

Tabla C.45. Características estadísticas de la lluvia anual de cada municipio del estado de Chiapas. sdsT

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)				Tr(años)		Lluvia mínima		Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _o (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _{p min} (mm)	H _{p min}
Huitupán	3720.4	3861.9	681.5	-0.6	3.3	0.18	3797.0	3237.0	2896.0	2576.0	2166.0	1861.0	44.7	1923.1	86.7
Huixtla	3203.8	3264.3	535.5	-1.1	6.9	0.17	3255.0	2821.0	2544.0	2280.0	1940.0	1686.0	104.1	1391.8	223.5
Independencia, La	1030.5	1030.0	263.9	0.4	4.0	0.26	1019.0	846.0	728.0	605.0	424.0	270.0	15.1	548.5	27.0
Ixhualtán	4983.9	5140.3	632.6	-0.5	3.4	0.13	5075.0	4372.0	4045.0	3745.0	3365.0	3083.0	10.7	3833.6	16.2
Ixtacomitán	1549.8	1550.0	358.9	-0.7	4.3	0.23	1577.0	1287.0	1113.0	950.0	742.0	587.0	22.9	792.3	40.0
Ixtapa	1359.2	1359.4	320.3	-0.2	4.5	0.24	1378.0	1167.0	1005.0	817.0	518.0	265.0	24.8	600.9	39.4
Ixtapangajoya	3720.4	3861.9	681.5	-0.6	3.3	0.18	3797.0	3237.0	2896.0	2576.0	2166.0	1861.0	44.7	1923.1	86.7
Jiquipilas	970.7	972.4	174.7	0.1	4.9	0.18	968.0	843.0	744.0	626.0	435.0	273.0	23.9	499.0	37.4
Jitotol	1449.0	1451.5	232.8	-0.2	2.7	0.16	1456.0	1242.0	1131.0	1030.0	900.0	804.0	12.1	1018.9	21.6
Juárez	2180.1	2124.5	400.5	-0.4	4.0	0.18	2119.0	1888.0	1753.0	1628.0	1467.0	1347.0	110.2	1159.9	295.9
Larrainzar	1208.3	1213.9	271.5	-0.5	3.8	0.22	1238.0	1003.0	847.0	697.0	501.0	352.0	25.1	526.6	44.4
Libertad, La	2626.5	2589.6	477.9	0.0	2.5	0.18	2595.0	2233.0	2021.0	1823.0	1589.0	1380.0	14.7	1737.3	27.2
Mapastepec	2568.2	2628.3	345.0	-0.2	3.0	0.13	2593.0	2296.0	2108.0	1930.0	1701.0	1529.0	12.3	1924.8	20.4
Margaritas, Las	3161.0	3117.5	513.4	1.8	10.1	0.16	3118.0	2774.0	2537.0	2290.0	1914.0	1551.0	10.2	2247.5	22.4
Mazapa de Madero	809.4	783.9	212.7	2.3	13.0	0.26	800.0	640.0	534.0	430.0	290.0	177.0	7.1	443.0	18.3
Mazatán	1993.1	2056.5	441.8	-1.1	6.0	0.22	2015.0	1699.0	1514.0	1342.0	1121.0	957.0	117.9	731.7	259.4
Metapa	3218.6	3343.1	549.5	-1.1	4.3	0.17	3358.0	2845.0	2505.0	2186.0	1777.0	1473.0	23.3	1919.9	36.2
Mitontic	1867.9	1845.7	474.5	1.5	7.9	0.25	1839.0	1511.0	1284.0	1046.0	683.0	337.0	8.3	1089.6	17.7
Motozintla	809.4	783.9	212.7	2.3	13.0	0.26	800.0	640.0	534.0	430.0	290.0	177.0	7.1	443.0	18.3
Nicolás Ruiz	1180.1	1042.5	388.3	1.7	6.4	0.33	992.0	857.0	744.0	523.0	81.0	0.0	2.1	818.5	6.6
Ocosingo	1872.2	1848.6	393.5	1.1	4.4	0.21	1803.0	1551.0	1389.0	1229.0	1012.0	837.0	7.0	1302.3	14.6
Ocoatepec	4082.0	4231.3	918.8	-0.7	3.3	0.23	4232.0	3337.0	2840.0	2383.0	1801.0	1368.0	21.2	2016.5	35.5
Ocozacoautla de Espinosa	795.1	748.0	221.6	0.8	4.0	0.28	730.0	606.0	520.0	418.0	240.0	80.0	8.3	441.4	17.3
Ostucán	4196.7	4209.7	548.5	-0.4	2.7	0.13	4189.0	3718.0	3474.0	3249.0	2964.0	2752.0	20.4	3056.1	37.1
Osumacinta	958.6	956.2	192.5	0.0	3.5	0.20	954.0	821.0	721.0	609.0	442.0	307.0	16.6	561.5	26.3
Oxchuc	1930.8	1866.0	592.2	1.4	5.5	0.31	1661.0	1408.0	1252.0	968.0	389.0	0.0	3.0	1246.2	10.2
Palenque	2626.5	2589.6	477.9	0.0	2.5	0.18	2595.0	2233.0	2021.0	1823.0	1569.0	1380.0	14.7	1737.3	27.2
Pantelhó	3720.4	3861.9	681.5	-0.6	3.3	0.18	3797.0	3237.0	2896.0	2576.0	2166.0	1861.0	44.7	1923.1	86.7
Pantepec	4082.0	4231.3	918.8	-0.7	3.3	0.23	4232.0	3337.0	2840.0	2383.0	1801.0	1368.0	21.2	2016.5	35.5
Pichucalco	3720.4	3861.9	681.5	-0.6	3.3	0.18	3797.0	3237.0	2896.0	2576.0	2166.0	1861.0	44.7	1923.1	86.7
Pijijiapan	2756.5	2720.9	460.9	0.5	5.0	0.17	2774.0	2412.0	2171.0	1935.0	1618.0	1369.0	13.3	1860.6	24.9
Porvenir, El	809.4	783.9	212.7	2.3	13.0	0.26	800.0	640.0	534.0	430.0	290.0	177.0	7.1	443.0	18.3
Villa Comaltitán	3012.3	3058.2	709.2	-1.9	10.0	0.24	3121.0	2548.0	2169.0	1805.0	1335.0	982.0	97.1	661.6	188.1
Pueblo Nuevo Solistahuacán	2614.7	2402.0	749.9	0.8	4.2	0.29	2484.0	2122.0	1897.0	1684.0	1410.0	1205.0	21.6	1363.3	58.6
Rayón	4082.0	4231.3	918.8	-0.7	3.3	0.23	4232.0	3337.0	2840.0	2383.0	1801.0	1368.0	21.2	2016.5	35.5
Reforma	2180.1	2124.5	400.5	-0.4	4.0	0.18	2119.0	1888.0	1753.0	1628.0	1467.0	1347.0	110.2	1159.9	295.9
Rosas, Las	1075.3	1082.5	211.9	-0.4	3.1	0.20	1096.0	897.0	793.0	699.0	580.0	491.0	23.4	594.5	44.6
Sabanilla	1567.9	1547.0	292.2	0.6	3.3	0.19	1513.0	1335.0	1224.0	1116.0	968.0	849.0	13.7	1064.5	27.7

Tabla C.45. Características estadísticas de la lluvia anual de cada municipio del estado de Chiapas.

Municipio	Estadísticos de la lluvia promedio municipal				Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media X _o (mm)	Mediana (mm)	Desv Std S(mm)	Coefficientes g k Cv	2 años Hp(mm)	5 años Hp(mm)	10 años Hp(mm)	20 años Hp(mm)	50 años Hp(mm)	100 años Hp(mm)	primer decil	registrada Hp min(mm)	para Hp min
Salto de Agua	3069.4	3098.1	563.8	0.2 4.3 0.18	3106.0	2733.0	2485.0	2242.0	1911.0	1647.0	20.4	1983.5	41.1
San Cristóbal de las Casas	996.2	1000.3	143.0	0.5 3.7 0.14	982.0	849.0	800.0	736.0	621.0	526.0	5.2	788.0	11.6
San Fernando	958.6	956.2	192.5	0.0 3.5 0.20	954.0	821.0	721.0	609.0	442.0	307.0	16.6	561.5	26.3
Siltepec	1840.5	1822.5	264.0	0.4 3.5 0.14	1794.0	1638.0	1546.0	1459.0	1347.0	1263.0	13.5	1410.0	29.9
Simojovel	1567.9	1547.0	292.2	0.6 3.3 0.19	1513.0	1335.0	1224.0	1116.0	968.0	849.0	13.7	1064.5	27.7
Sitalá	1870.0	1833.8	306.0	-0.1 2.3 0.16	1815.0	1594.0	1486.0	1388.0	1263.0	1170.0	12.1	1368.1	23.1
Socoltenango	996.6	978.8	136.3	0.7 3.8 0.14	983.0	881.0	817.0	755.0	676.0	616.0	8.6	776.0	15.8
Solosuchiapa	1549.8	1550.0	358.9	-0.7 4.3 0.23	1577.0	1287.0	1113.0	950.0	742.0	587.0	22.9	792.3	40.0
Soyaló	958.6	956.2	192.5	0.0 3.5 0.20	954.0	821.0	721.0	609.0	442.0	307.0	16.6	561.5	26.3
Suchiapa	916.9	917.0	182.8	-0.2 3.0 0.20	918.0	771.0	684.0	602.0	497.0	418.0	23.2	507.2	45.5
Suchiate	1453.9	1441.4	345.7	0.5 3.1 0.24	1425.0	1195.0	1051.0	914.0	738.0	607.0	17.7	795.0	37.1
Sunnapa	3720.4	3861.9	681.5	-0.6 3.3 0.18	3797.0	3237.0	2896.0	2576.0	2166.0	1861.0	44.7	1923.1	86.7
Tapachula	3856.2	3956.6	446.6	-0.7 3.7 0.12	3920.0	3469.0	3348.0	3217.0	2988.0	2783.0	109.2	2553.1	211.3
Tapalapa	4082.0	4231.3	918.8	-0.7 3.3 0.23	4232.0	3337.0	2840.0	2383.0	1801.0	1368.0	21.2	2016.5	35.5
Tapitula	4082.0	4231.3	918.8	-0.7 3.3 0.23	4232.0	3337.0	2840.0	2383.0	1801.0	1368.0	21.2	2016.5	35.5
Teopatlán	2413.4	2342.8	411.2	0.8 3.4 0.17	2313.0	2095.0	1961.0	1827.0	1634.0	1467.0	9.2	1823.0	20.4
Tenejapa	1867.9	1845.7	474.5	1.5 7.9 0.25	1839.0	1511.0	1284.0	1046.0	683.0	337.0	8.3	1089.6	17.7
Teopisca	996.2	1000.3	143.0	0.5 3.7 0.14	982.0	849.0	800.0	736.0	621.0	526.0	5.2	788.0	11.6
Tila	2745.4	2894.5	452.3	-0.5 2.4 0.16	2870.0	2193.0	2057.0	1954.0	1827.0	1731.0	7.1	1983.5	16.2
Tonalá	1781.7	1799.8	335.5	-0.2 2.9 0.19	1792.0	1516.0	1348.0	1190.0	988.0	837.0	17.4	1089.5	31.5
Totolapa	1180.1	1042.5	388.3	1.7 6.4 0.33	992.0	857.0	744.0	523.0	81.0	0.0	2.1	818.5	6.6
Trinidad, La	951.2	966.1	172.0	-0.3 3.0 0.18	954.0	821.0	739.0	662.0	564.0	490.0	29.9	550.4	56.5
Tumbalá	3432.5	3259.6	626.6	1.7 8.3 0.18	3243.0	2974.0	2746.0	2380.0	1621.0	1013.0	7.8	2524.1	15.9
Tuxtla Gutiérrez	952.9	954.8	171.1	-0.1 2.6 0.18	953.0	819.0	739.0	664.0	567.0	495.0	16.0	625.6	28.6
Tuxtla Chico	3958.4	3875.8	723.1	1.4 8.1 0.18	3818.0	3373.0	3020.0	2554.0	1733.0	1053.0	11.8	2520.4	20.9
Tuzantán	3203.8	3264.3	535.5	-1.1 6.9 0.17	3255.0	2821.0	2544.0	2280.0	1940.0	1686.0	104.1	1391.8	223.5
Tzimol	936.5	919.1	170.6	0.5 3.8 0.18	910.0	795.0	725.0	654.0	550.0	462.0	12.0	639.4	22.9
Unión Juárez	4892.0	4832.6	906.8	1.2 6.2 0.19	4762.0	4189.0	3776.0	3312.0	2530.0	1776.0	10.5	3274.0	21.1
Venustiano Carranza	3958.4	3875.8	723.1	1.4 8.1 0.18	3818.0	3373.0	3020.0	2554.0	1733.0	1053.0	11.8	2520.4	20.9
Villa Corzo	1361.4	1356.6	239.2	-0.5 4.8 0.18	1360.0	1288.0	1166.0	984.0	750.0	575.0	27.2	800.9	40.8
Villaflores	1197.8	1210.8	207.6	0.2 3.5 0.17	1198.0	1049.0	954.0	863.0	746.0	659.0	20.6	768.2	42.1
Yajalón	3415.4	3328.0	479.0	0.0 2.6 0.14	3368.0	2975.0	2764.0	2568.0	2320.0	2135.0	12.1	2538.4	22.3
San Lucas	1180.1	1042.5	388.3	1.7 6.4 0.33	992.0	857.0	744.0	523.0	81.0	0.0	2.1	818.5	6.6
Zinacantán	1359.2	1359.4	320.3	-0.2 4.5 0.24	1378.0	1167.0	1005.0	817.0	518.0	265.0	24.8	600.9	39.4
San Juan Cancuc	1870.0	1833.8	306.0	-0.1 2.3 0.16	1815.0	1594.0	1486.0	1388.0	1263.0	1170.0	12.1	1368.1	23.1
Estatad	1955.0	1952.4	265.8	-0.2 3.4 0.14	1759.4	1524.4	1368.8	1219.6	1026.4	881.7	5.7	1376.5	9.7

Tabla C.45. Características estadísticas de la lluvia anual de cada municipio del estado de Chiapas.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Acacoyagua	1966.2	2125.1	2284.1	2443.0	2602.0	2761.0	2919.9	3078.9	3237.8	3396.8	4.3	4.3	17.3	8.6	21.7	13.0	17.3	8.6	0.0	4.3
Acala	523.2	641.5	759.8	878.1	996.4	1114.8	1233.1	1351.4	1469.7	1588.0	6.8	20.6	13.7	31.0	10.3	6.8	6.8	0.0	0.0	3.4
Acepetahua	997.1	1332.6	1668.1	2003.6	2339.1	2674.5	3010.0	3345.5	3681.0	4016.5	5.0	0.0	0.0	0.0	5.0	5.0	30.0	30.0	15.0	10.0
Altamirano	1185.5	1308.0	1430.5	1553.0	1675.5	1798.0	1920.5	2043.0	2165.5	2288.0	2.2	6.8	9.0	18.1	20.4	18.1	11.3	9.0	2.2	2.2
Amatán	1175.6	1286.6	1397.7	1508.7	1619.8	1730.9	1841.9	1953.0	2064.0	2175.1	3.7	14.8	11.1	14.8	22.2	7.4	7.4	3.7	3.7	11.1
Amatenango de la Frontera	1192.6	1281.2	1369.9	1458.5	1547.2	1635.9	1724.5	1813.2	1901.8	1990.5	6.6	10.0	3.3	16.6	16.6	20.0	3.3	3.3	3.3	16.6
Amatenango del Valle	678.6	762.7	846.8	930.9	1015.0	1099.0	1183.1	1267.2	1351.3	1435.4	6.8	0.0	6.8	13.7	10.3	13.7	10.3	20.6	10.3	6.8
Angel Albino Corzo	1620.7	1909.3	2198.0	2486.6	2775.3	3063.9	3352.6	3641.2	3929.9	4218.5	17.9	28.2	17.9	15.3	10.2	5.1	0.0	2.5	0.0	2.5
Arriaga	1039.8	1147.9	1255.9	1364.0	1472.1	1580.2	1688.3	1796.3	1904.4	2012.5	20.0	6.6	20.0	6.6	20.0	6.6	6.6	0.0	6.6	6.6
Bejucal de Ocampo	700.6	772.1	843.5	915.0	986.4	1057.8	1129.3	1200.7	1272.2	1343.6	4.3	0.0	13.0	8.6	13.0	34.7	4.3	4.3	8.6	8.6
Bella Vista	1508.0	1606.0	1704.0	1802.0	1900.0	1998.0	2096.0	2194.0	2292.0	2390.0	11.7	0.0	23.5	11.7	23.5	0.0	0.0	23.5	0.0	5.8
Berriozábal	1082.7	1212.7	1342.6	1472.6	1602.6	1732.6	1862.6	1992.5	2122.5	2252.5	8.6	0.0	17.3	8.6	26.0	8.6	8.6	8.6	4.3	8.6
Bochil	640.2	718.8	797.4	876.1	954.7	1033.4	1112.1	1190.7	1269.4	1348.0	6.6	6.6	3.3	6.6	26.6	20.0	10.0	6.6	6.6	6.6
Bosque, El	1102.9	1186.9	1270.8	1354.8	1438.8	1522.8	1606.8	1690.7	1774.7	1858.7	11.1	3.7	7.4	14.8	11.1	11.1	11.1	11.1	14.8	3.7
Cacahoatán	2920.5	3320.6	3720.6	4120.7	4520.8	4920.9	5321.0	5721.0	6121.1	6521.2	3.3	6.6	36.6	20.0	16.6	10.0	3.3	0.0	0.0	3.3
Catazajá	1908.9	2080.4	2252.0	2423.5	2595.1	2766.7	2938.2	3109.8	3281.3	3452.9	3.2	16.1	3.2	12.9	16.1	6.4	12.9	9.6	9.6	9.6
Cintalapa	427.9	527.1	626.2	725.4	824.5	923.6	1022.8	1121.9	1221.1	1320.2	8.6	8.6	26.0	17.3	17.3	4.3	8.6	0.0	0.0	8.6
Coapilla	640.2	718.8	797.4	876.1	954.7	1033.4	1112.1	1190.7	1269.4	1348.0	6.6	6.6	3.3	6.6	26.6	20.0	10.0	6.6	6.6	6.6
Comitán de Domínguez	822.9	879.1	935.4	991.6	1047.9	1104.2	1160.4	1216.7	1272.9	1329.2	4.3	8.6	17.3	13.0	17.3	8.6	0.0	8.6	13.0	8.6
Concordia, La	895.3	1045.1	1195.0	1344.8	1494.7	1644.5	1794.3	1944.2	2094.0	2243.9	9.7	4.8	12.1	14.6	24.3	17.0	9.7	4.8	0.0	2.4
Copainalá	657.9	738.1	818.2	898.4	978.5	1058.7	1138.9	1219.0	1299.2	1379.3	5.2	0.0	15.7	21.0	31.5	10.5	0.0	10.5	0.0	5.2
Chalchihuitán	1102.9	1186.9	1270.8	1354.8	1438.8	1522.8	1606.8	1690.7	1774.7	1858.7	11.1	3.7	7.4	14.8	11.1	11.1	11.1	11.1	14.8	3.7
Chamula	648.9	771.3	893.6	1016.0	1138.3	1260.6	1383.0	1505.3	1627.7	1750.0	3.3	3.3	6.6	10.0	6.6	30.0	13.3	20.0	3.3	3.3
Chanal	1121.8	1249.8	1377.7	1505.6	1633.6	1761.5	1889.4	2017.3	2145.3	2273.2	9.0	2.2	9.0	22.7	13.6	9.0	18.1	11.3	0.0	4.5
Chapultenango	2344.4	2672.4	3000.3	3328.3	3656.2	3984.1	4312.1	4640.0	4968.0	5295.9	7.6	0.0	3.8	11.5	7.6	7.6	15.3	11.5	19.2	15.3
Chenalhó	1347.2	1604.8	1862.4	2120.0	2377.6	2635.1	2892.7	3150.3	3407.9	3665.5	11.5	15.3	23.0	32.6	9.6	3.8	0.0	0.0	1.9	1.9
Chiapa de Corzo	591.9	672.1	752.3	832.5	912.7	992.8	1073.0	1153.2	1233.4	1313.6	3.0	6.0	3.0	12.1	12.1	18.1	15.1	18.1	6.0	6.0
Chiapilla	984.6	1150.6	1316.7	1482.7	1648.8	1814.8	1980.9	2146.9	2313.0	2479.0	41.3	15.2	19.5	6.5	6.5	2.1	4.3	0.0	0.0	4.3
Chicoasén	640.2	718.8	797.4	876.1	954.7	1033.4	1112.1	1190.7	1269.4	1348.0	6.6	6.6	3.3	6.6	26.6	20.0	10.0	6.6	6.6	6.6
Chicomuseo	990.2	1123.9	1257.6	1391.3	1525.1	1658.8	1792.5	1926.2	2059.9	2193.6	4.3	13.0	17.3	21.7	21.7	8.6	0.0	4.3	0.0	8.6
Chilón	1514.1	1781.9	2049.8	2317.6	2585.5	2853.3	3121.2	3389.0	3656.8	3924.7	28.2	20.5	23.0	5.1	7.6	7.6	5.1	0.0	0.0	2.5
Escuintla	2533.7	2709.4	2885.0	3060.7	3236.4	3412.1	3587.8	3763.4	3939.1	4114.8	28.5	0.0	14.2	0.0	21.4	0.0	0.0	14.2	7.1	14.2
Francisco León	3243.4	3430.7	3617.9	3805.2	3992.5	4179.8	4367.1	4554.3	4741.6	4928.9	4.5	4.5	13.6	4.5	4.5	18.1	9.0	0.0	22.7	18.1
Frontera Comalapa	1089.9	1182.4	1274.9	1367.4	1459.9	1552.3	1644.8	1737.3	1829.8	1922.3	6.6	13.3	20.0	26.6	6.6	3.3	10.0	3.3	6.6	3.3
Frontera Hidalgo	1307.4	1450.4	1593.5	1736.5	1879.5	2022.5	2165.5	2308.6	2451.6	2594.6	5.0	5.0	0.0	10.0	17.5	12.5	20.0	15.0	7.5	7.5
Grandeza, La	1508.0	1606.0	1704.0	1802.0	1900.0	1998.0	2096.0	2194.0	2292.0	2390.0	11.7	0.0	23.5	11.7	23.5	0.0	0.0	23.5	0.0	5.8
Huehuetán	917.7	1103.6	1289.6	1475.5	1661.5	1847.5	2033.4	2219.4	2405.3	2591.3	5.0	0.0	0.0	0.0	20.0	5.0	20.0	20.0	15.0	15.0
Huixtán	846.6	905.2	963.7	1022.3	1080.9	1139.5	1198.1	1256.6	1315.2	1373.8	17.8	17.8	3.5	14.2	17.8	17.8	3.5	3.5	0.0	3.5

Tabla C.46. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Chiapas.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Huitiupán	2215.8	2508.5	2801.2	3093.9	3386.7	3679.4	3972.1	4264.8	4557.5	4850.2	2.3	4.7	4.7	7.1	7.1	19.0	14.2	21.4	7.1	11.9
Huixtla	1671.0	1950.2	2229.4	2508.6	2787.9	3067.1	3346.3	3625.5	3904.7	4183.9	3.3	0.0	0.0	0.0	16.6	10.0	23.3	23.3	16.6	6.6
Independencia, La	653.3	762.0	868.8	975.5	1082.3	1189.0	1295.8	1402.5	1509.3	1616.0	4.5	4.5	22.7	4.5	27.2	18.1	4.5	4.5	0.0	6.0
Ixhuatlán	4016.6	4199.6	4382.6	4565.6	4748.6	4931.6	5114.6	5297.6	5480.6	5663.6	9.0	0.0	9.0	18.1	9.0	0.0	0.0	9.0	9.0	36.3
Ixtacomitán	919.4	1046.4	1173.5	1300.5	1427.6	1554.6	1681.7	1808.7	1935.8	2062.8	6.6	6.6	0.0	6.6	6.6	26.6	20.0	0.0	13.3	13.3
Ixtapa	752.4	903.9	1055.4	1206.9	1358.5	1510.0	1661.5	1813.0	1964.5	2116.0	9.0	0.0	3.0	18.1	15.1	30.3	12.1	3.0	6.0	3.0
Ixtapangajoya	2215.8	2508.5	2801.2	3093.9	3386.7	3679.4	3972.1	4264.8	4557.5	4850.2	2.3	4.7	4.7	7.1	7.1	19.0	14.2	21.4	7.1	11.9
Jiquipilas	591.7	684.3	777.0	869.6	962.3	1055.0	1147.6	1240.3	1332.9	1425.6	2.8	0.0	3.5	17.1	17.1	28.5	14.2	2.8	5.7	2.8
Jitotol	1102.9	1186.9	1270.8	1354.8	1438.8	1522.8	1606.8	1690.7	1774.7	1858.7	11.1	3.7	7.4	14.8	11.1	11.1	11.1	11.1	14.8	3.7
Juárez	1329.9	1499.9	1669.9	1839.9	2009.9	2179.8	2349.8	2519.8	2689.8	2859.8	4.0	0.0	4.0	8.0	12.0	28.0	12.0	8.0	12.0	12.0
Larrainzar	648.9	771.3	893.6	1016.0	1138.3	1260.6	1383.0	1505.3	1627.7	1750.0	3.3	3.3	6.6	10.0	6.6	30.0	13.3	20.0	3.3	3.3
Libertad, La	1908.9	2080.4	2252.0	2423.5	2595.1	2766.7	2938.2	3109.8	3281.3	3452.9	3.2	16.1	3.2	12.9	16.1	6.4	12.9	9.6	9.6	9.6
Mapastepec	2053.8	2182.9	2311.9	2440.9	2570.0	2699.0	2828.0	2957.0	3086.1	3215.1	13.0	4.3	4.3	13.0	4.3	26.0	17.3	8.6	0.0	8.6
Margaritas, Las	2531.5	2815.4	3099.3	3383.3	3667.2	3951.2	4235.1	4519.1	4803.0	5087.0	3.4	13.7	3.4	31.0	10.3	6.8	0.0	0.0	0.0	3.4
Mazapa de Madero	585.2	727.3	869.4	1011.6	1153.8	1295.9	1438.1	1580.2	1722.4	1864.5	6.7	30.5	3.8	16.9	6.7	3.3	0.0	0.0	0.0	1.6
Mazatlán	917.7	1103.6	1289.6	1475.5	1661.5	1847.5	2033.4	2219.4	2405.3	2591.3	5.0	0.0	0.0	0.0	20.0	5.0	20.0	20.0	15.0	15.0
Metapa	2116.5	2313.0	2509.6	2706.1	2902.7	3099.3	3295.8	3492.4	3688.9	3885.5	4.3	8.6	0.0	4.3	4.3	8.6	13.0	17.3	26.0	13.0
Miñonic	1347.2	1604.8	1862.4	2120.0	2377.6	2635.1	2892.7	3150.3	3407.9	3665.5	11.5	15.3	23.0	32.6	9.6	3.8	0.0	0.0	1.9	1.9
Motozintla	585.2	727.3	869.4	1011.6	1153.8	1295.9	1438.1	1580.2	1722.4	1864.5	6.7	30.5	3.8	16.9	6.7	3.3	0.0	0.0	0.0	1.6
Nicolás Ruiz	984.6	1150.6	1316.7	1482.7	1648.8	1814.8	1980.9	2146.9	2313.0	2479.0	41.3	15.2	19.5	6.5	6.5	2.1	4.3	0.0	0.0	4.3
Ocosingo	1470.8	1639.3	1807.7	1976.2	2144.7	2313.2	2481.7	2650.1	2818.6	2987.1	12.1	17.0	17.0	24.3	7.3	12.1	0.0	2.4	4.8	2.4
Ocoatepec	2344.4	2672.4	3000.3	3328.3	3656.2	3984.1	4312.1	4640.0	4968.0	5295.9	7.6	0.0	3.8	11.5	7.6	7.6	15.3	11.5	19.2	15.3
Ocozacoautla de Espinosa	544.9	648.4	751.9	855.4	958.9	1062.5	1166.0	1269.5	1373.0	1476.5	9.6	17.3	23.0	13.4	15.3	11.5	3.8	1.9	1.9	1.9
Ostucacán	3243.4	3430.7	3617.9	3805.2	3992.5	4179.8	4367.1	4554.3	4741.6	4928.9	4.5	4.5	13.6	4.5	4.5	18.1	9.0	0.0	22.7	18.1
Osumacinta	640.2	718.8	797.4	876.1	954.7	1033.4	1112.1	1190.7	1269.4	1348.0	6.6	6.6	3.8	6.6	26.6	20.0	10.0	6.6	6.6	6.6
Oxchuc	1514.1	1781.9	2049.8	2317.6	2585.5	2853.3	3121.2	3389.0	3656.8	3924.7	28.2	20.5	23.0	5.1	7.6	7.6	5.1	0.0	0.0	2.5
Palenque	1908.9	2080.4	2252.0	2423.5	2595.1	2766.7	2938.2	3109.8	3281.3	3452.9	3.2	16.1	3.2	12.9	16.1	6.4	12.9	9.6	9.6	9.6
Panteón	2215.8	2508.5	2801.2	3093.9	3386.7	3679.4	3972.1	4264.8	4557.5	4850.2	2.3	4.7	4.7	7.1	7.1	19.0	14.2	21.4	7.1	11.9
Pantepec	2344.4	2672.4	3000.3	3328.3	3656.2	3984.1	4312.1	4640.0	4968.0	5295.9	7.6	0.0	3.8	11.5	7.6	7.6	15.3	11.5	19.2	15.3
Pichucalco	2215.8	2508.5	2801.2	3093.9	3386.7	3679.4	3972.1	4264.8	4557.5	4850.2	2.3	4.7	4.7	7.1	7.1	19.0	14.2	21.4	7.1	11.9
Pijijilpan	2074.8	2289.1	2503.3	2717.6	2931.8	3146.0	3360.3	3574.5	3788.8	4003.0	4.3	17.3	8.6	17.3	17.3	21.7	6.6	0.0	0.0	4.3
Porvenir, El	585.2	727.3	869.4	1011.6	1153.8	1295.9	1438.1	1580.2	1722.4	1864.5	6.7	30.5	3.8	16.9	6.7	3.3	0.0	0.0	0.0	1.6
Villa Comaltitán	997.1	1332.6	1668.1	2003.6	2339.1	2674.5	3010.0	3345.5	3681.0	4016.5	5.0	0.0	0.0	0.0	5.0	5.0	30.0	30.0	15.0	10.0
Pueblo Nuevo Solistahuacán	1661.5	1959.6	2257.8	2556.0	2854.2	3152.3	3450.5	3748.7	4046.8	4345.0	5.2	5.2	21.0	21.0	26.3	0.0	0.0	10.5	5.2	5.2
Rayón	2344.4	2672.4	3000.3	3328.3	3656.2	3984.1	4312.1	4640.0	4968.0	5295.9	7.6	0.0	3.8	11.5	7.6	7.6	15.3	11.5	19.2	15.3
Reforma	1329.9	1499.9	1669.9	1839.9	2009.9	2179.8	2349.8	2519.8	2689.8	2859.8	4.0	0.0	4.0	8.0	12.0	28.0	12.0	8.0	12.0	12.0
Rosas, Las	678.6	762.7	846.8	930.9	1015.0	1099.0	1183.1	1267.2	1351.3	1435.4	6.8	0.0	6.8	13.7	10.3	13.7	10.3	20.6	10.3	6.8
Sabanilla	1175.6	1286.6	1397.7	1508.7	1619.8	1730.9	1841.9	1953.0	2064.0	2175.1	3.7	14.8	11.1	14.8	22.2	7.4	7.4	3.7	3.7	11.1

Tabla C.46. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Chiapas.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Salto de Agua	2234.3	2485.0	2735.8	2986.6	3237.4	3488.1	3738.9	3989.7	4240.4	4491.2	10.2	5.1	5.1	20.5	25.6	17.9	5.1	5.1	0.0	5.1
San Cristóbal de las Casas	846.6	905.2	963.7	1022.3	1080.9	1139.5	1198.1	1256.6	1315.2	1373.8	17.8	17.8	3.5	14.2	17.8	17.8	3.5	3.5	0.0	3.5
San Fernando	640.2	718.8	797.4	876.1	954.7	1033.4	1112.1	1190.7	1269.4	1348.0	6.6	6.6	3.3	6.6	26.6	20.0	10.0	6.6	6.6	6.6
Siltepec	1508.0	1606.0	1704.0	1802.0	1900.0	1998.0	2096.0	2194.0	2292.0	2390.0	11.7	0.0	23.5	11.7	23.5	0.0	0.0	23.5	0.0	5.8
Simojovel	1175.6	1286.6	1397.7	1508.7	1619.8	1730.9	1841.9	1953.0	2064.0	2175.1	3.7	14.8	11.1	14.8	22.2	7.4	7.4	3.7	3.7	11.1
Sitalá	1458.1	1548.1	1638.0	1728.0	1818.0	1908.0	1998.0	2087.9	2177.9	2267.9	11.1	0.0	16.6	16.6	5.5	5.5	0.0	11.1	11.1	22.2
Socollanango	830.0	884.0	938.0	992.0	1046.0	1100.0	1154.0	1208.0	1262.0	1316.0	4.1	16.6	20.8	12.5	12.5	16.6	4.1	4.1	4.1	4.1
Solosuchiapa	919.4	1046.4	1173.5	1300.5	1427.6	1554.6	1681.7	1808.7	1935.8	2062.8	6.6	6.6	0.0	6.6	6.6	26.6	20.0	0.0	13.3	13.3
Soyaló	640.2	718.8	797.4	876.1	954.7	1033.4	1112.1	1190.7	1269.4	1348.0	6.6	6.6	3.3	6.6	26.6	20.0	10.0	6.6	6.6	6.6
Suchiapa	584.5	661.7	739.0	816.2	893.5	970.7	1048.0	1125.2	1202.5	1279.7	3.0	6.0	9.0	15.1	6.0	21.2	12.1	12.1	12.1	3.0
Suchiate	937.4	1079.8	1222.2	1364.6	1507.0	1649.4	1791.8	1934.2	2076.6	2219.0	2.5	7.5	20.0	10.0	20.0	17.5	5.0	2.5	7.5	7.5
Sunuapa	2215.8	2508.5	2801.2	3093.9	3386.7	3679.4	3972.1	4264.8	4557.5	4850.2	2.3	4.7	4.7	7.1	7.1	19.0	14.2	21.4	7.1	11.9
Tapachula	2756.2	2959.4	3162.5	3365.6	3568.8	3771.9	3975.0	4178.1	4381.3	4584.4	2.7	0.0	2.7	2.7	21.6	10.8	13.5	16.2	21.6	8.1
Tapalapa	2344.4	2672.4	3000.3	3328.3	3656.2	3984.1	4312.1	4640.0	4968.0	5295.9	7.6	0.0	3.8	11.5	7.6	7.6	15.3	11.5	19.2	15.3
Tapilula	2344.4	2672.4	3000.3	3328.3	3656.2	3984.1	4312.1	4640.0	4968.0	5295.9	7.6	0.0	3.8	11.5	7.6	7.6	15.3	11.5	19.2	15.3
Tecpatán	1977.7	2132.4	2287.1	2441.8	2596.5	2751.2	2905.9	3060.6	3215.3	3370.0	13.3	10.0	20.0	23.3	3.3	10.0	3.3	6.6	3.3	6.6
Tenejapa	1347.2	1604.8	1862.4	2120.0	2377.6	2635.1	2892.7	3150.3	3407.9	3665.5	11.5	15.8	23.0	32.6	9.6	3.8	0.0	0.0	1.9	1.9
Teopisca	846.6	905.2	963.7	1022.3	1080.9	1139.5	1198.1	1256.6	1315.2	1373.8	17.8	17.8	3.5	14.2	17.8	17.8	3.5	3.5	0.0	3.5
Tila	2116.3	2249.0	2381.8	2514.5	2647.3	2780.0	2912.8	3045.6	3178.3	3311.1	12.0	12.0	4.0	0.0	8.0	8.0	12.0	8.0	20.0	16.0
Tonalá	1221.3	1353.2	1485.0	1616.8	1748.7	1880.5	2012.3	2144.1	2276.0	2407.8	6.4	6.4	9.6	9.6	6.4	25.8	6.4	16.1	6.4	6.4
Totolapa	984.6	1150.6	1316.7	1482.7	1648.8	1814.8	1980.9	2146.9	2313.0	2479.0	41.3	15.2	19.5	6.5	6.5	2.1	4.3	0.0	0.0	4.3
Trinidad, La	618.7	686.9	755.2	823.5	891.7	960.0	1028.3	1096.6	1164.8	1233.1	2.5	5.1	2.5	10.2	15.3	12.8	20.5	10.2	7.6	12.8
Turnbalá	2835.3	3146.5	3457.7	3768.9	4080.1	4391.3	4702.5	5013.7	5324.9	5636.1	7.1	28.5	32.1	7.1	14.2	3.5	3.5	0.0	0.0	3.5
Tuxtla Gutiérrez	687.4	749.1	810.9	872.6	934.4	996.1	1057.9	1119.6	1181.4	1243.1	9.0	3.0	12.1	6.0	12.1	18.1	9.0	6.0	15.1	9.0
Tuxtla Chico	2920.5	3320.6	3720.6	4120.7	4520.8	4920.9	5321.0	5721.0	6121.1	6521.2	3.3	6.6	36.6	20.0	16.6	10.0	3.3	0.0	0.0	3.3
Tuzantán	1671.0	1950.2	2229.4	2508.6	2787.9	3067.1	3346.3	3625.5	3904.7	4183.9	3.3	0.0	0.0	0.0	16.6	10.0	23.3	23.3	16.6	6.6
Tzimol	706.8	774.3	841.7	909.1	976.6	1044.0	1111.4	1178.8	1246.3	1313.7	9.0	9.0	13.6	13.6	18.1	9.0	18.1	0.0	0.0	9.0
Unión Juárez	3747.2	4220.3	4693.5	5166.7	5639.9	6113.0	6586.2	7059.4	7532.5	8005.7	5.0	12.5	25.0	30.0	12.5	5.0	5.0	2.5	0.0	2.5
Venustiano Carranza	2920.5	3320.6	3720.6	4120.7	4520.8	4920.9	5321.0	5721.0	6121.1	6521.2	3.3	6.6	36.6	20.0	16.6	10.0	3.3	0.0	0.0	3.3
Villa Corzo	905.0	1009.0	1113.1	1217.1	1321.2	1425.3	1529.3	1633.4	1737.4	1841.5	7.6	0.0	3.8	3.8	19.2	34.6	11.5	7.6	7.6	3.8
Villaflores	859.9	951.5	1043.2	1134.8	1226.5	1318.1	1409.8	1501.4	1593.1	1684.7	3.1	9.3	15.6	3.1	21.8	21.8	12.5	3.1	6.2	3.1
Yajalón	2709.3	2880.3	3051.2	3222.2	3393.1	3564.0	3735.0	3905.9	4076.9	4247.8	8.6	4.3	8.6	21.7	8.6	8.6	4.3	13.0	13.0	8.6
San Lucas	984.6	1150.6	1316.7	1482.7	1648.8	1814.8	1980.9	2146.9	2313.0	2479.0	41.3	15.2	19.5	6.5	6.5	2.1	4.3	0.0	0.0	4.3
Zinacantan	752.4	903.9	1055.4	1206.9	1358.5	1510.0	1661.5	1813.0	1964.5	2116.0	9.0	0.0	3.0	18.1	15.1	30.3	12.1	3.0	6.0	3.0
San Juan Cancuc	1458.1	1548.1	1638.0	1728.0	1818.0	1908.0	1998.0	2087.9	2177.9	2267.9	11.1	0.0	16.6	16.6	5.5	5.5	0.0	11.1	11.1	22.2
Estatal	1493.2	1609.9	1726.6	1843.3	1960.0	2076.7	2193.4	2310.1	2426.8	2543.5	8.6	2.1	6.5	8.6	26.0	19.5	10.8	10.8	2.1	4.3

Tabla C.46. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Chiapas.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para seca Meteorológica	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	lluvia disponible			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s	Hp disp S(mm)	Hp disp S(mm)		
Acacoyagua	3.7	0.7	1.8	1.0	540.0	356.6	300.0	11.0	2259.6	4.8	SEVERA	
Acala	3.8	1.1	3.0	2.0	431.0	458.8	143.6	17.0	660.1	3.7	EXTREMADAMENTE SEVERA	
Acepetahua	3.1	1.0	1.4	0.4	643.7	752.3	459.7	15.0	2542.5	5.0	SEVERA	
Altamirano	4.3	3.6	2.0	1.9	377.3	325.2	188.6	11.0	145.9	5.4	MUY SEVERA	
Amatán	3.6	1.1	2.2	1.2	441.0	258.9	200.4	12.0	1347.5	4.1	MUY SEVERA	
Amatenango de la Frontera	4.1	1.9	2.4	1.6	425.4	356.3	177.2	11.0	1379.5	4.5	MUY SEVERA	
Amatenango del Valle	4.0	1.7	1.6	0.8	308.8	252.0	193.0	17.0	862.3	5.5	SEVERA	
Angel Albino Corzo	5.2	3.7	2.7	3.1	1070.8	1191.8	396.5	18.0	1720.8	2.8	MUY SEVERA	
Arriaga	2.7	0.7	1.1	0.3	299.2	115.0	272.0	20.0	1058.6	4.5	SEVERA	
Bejucal de Ocampo	3.6	2.1	1.5	0.7	206.4	170.2	137.6	13.0	875.2	7.7	SEVERA	
Bella Vista	3.7	2.4	2.0	1.0	349.6	252.6	174.8	9.0	1665.7	4.1	MODERADA	
Berriozábal	3.5	0.9	2.0	0.9	440.3	302.3	220.1	13.0	1374.5	4.0	MUY SEVERA	
Bochil	4.8	1.3	2.1	1.2	307.9	162.2	146.6	15.0	811.9	5.3	MUY SEVERA	
Bosque, El	4.3	2.4	2.1	1.7	428.9	337.0	204.2	14.0	1244.8	4.9	MUY SEVERA	
Cacahoatán	2.8	1.1	1.5	0.8	696.8	546.6	464.5	11.0	3498.8	3.9	SEVERA	
Catazajá	2.8	0.8	1.4	0.6	551.7	519.9	394.0	15.0	2232.5	5.0	SEVERA	
Cintalapa	3.6	1.7	2.3	1.6	339.0	200.9	147.3	20.0	566.2	5.0	MUY SEVERA	
Coapilla	4.8	1.3	2.1	1.2	307.9	162.2	146.6	15.0	811.9	5.3	MUY SEVERA	
Comitán de Domínguez	3.6	0.9	2.0	1.1	213.7	147.2	106.8	10.0	936.2	4.0	MODERADA	
Concordia, La	3.3	1.2	2.1	1.9	531.0	913.5	252.8	18.0	1121.0	5.5	MUY SEVERA	
Copainalá	2.8	1.0	1.4	0.7	171.7	141.0	122.6	13.0	815.0	5.2	SEVERA	
Chalchihuitán	4.3	2.4	2.1	1.7	428.9	337.0	204.2	14.0	1244.8	4.9	MUY SEVERA	
Chamula	3.0	1.6	1.5	0.9	337.9	366.6	225.2	18.0	983.1	5.4	SEVERA	
Chanal	4.2	3.4	2.1	2.5	488.1	704.4	232.4	14.0	1358.5	5.0	MUY SEVERA	
Chapultenango	4.2	2.7	2.3	1.0	1939.8	1450.7	843.3	20.0	3238.7	5.7	MUY SEVERA	
Chenalhó	6.5	5.0	3.3	2.7	1056.5	925.5	320.1	17.0	1547.8	4.5	EXTREMADAMENTE SEVERA	
Chiapa de Corzo	4.2	2.0	1.8	1.0	304.1	275.3	168.9	17.0	788.8	5.9	SEVERA	
Chiapilla	5.3	3.5	3.1	3.5	731.1	957.0	235.8	19.0	944.8	2.6	EXTREMADAMENTE SEVERA	
Chicoasén	4.8	1.3	2.1	1.2	307.9	162.2	146.6	15.0	811.9	5.3	MUY SEVERA	
Chicomuselo	3.5	1.0	2.3	1.2	448.2	318.2	194.8	13.0	1202.3	4.3	MUY SEVERA	
Chilón	5.3	2.6	3.2	1.6	1243.7	944.4	388.6	20.0	1542.2	2.6	EXTREMADAMENTE SEVERA	
Escuintla	4.0	0.8	1.7	0.4	903.0	383.3	531.1	16.0	2610.0	4.5	SEVERA	
Francisco León	2.6	0.9	1.2	0.4	568.0	382.9	473.3	11.0	3723.4	4.9	SEVERA	
Frontera Comalapa	4.5	1.6	2.8	1.2	387.6	247.2	138.4	10.0	1217.5	3.7	MODERADA	
Frontera Hidalgo	4.2	2.1	1.7	1.4	519.6	461.0	305.6	15.0	1675.5	6.3	SEVERA	
Grandeza, La	3.7	2.4	2.0	1.0	349.6	252.6	174.8	9.0	1665.7	4.1	MODERADA	
Huehuetán	3.6	1.6	1.4	0.5	549.0	406.8	392.1	19.0	1600.9	7.2	SEVERA	
Huixtán	4.2	1.6	2.3	1.3	270.2	230.7	117.4	11.0	878.6	3.3	MUY SEVERA	

Tabla C.47. Características de la sequía promedio de cada municipio del estado de Chiapas. 140 sides

Municipio	Características promedio de la sequía meteorológica municipal								Lluvia disponible Hp disp S(mm)	Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de JS			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	S(mm/año)	respecto a X _c			
Huitiupán	4.1	2.0	2.0	1.8	1139.7	1404.2	569.8	15.0	3150.5	5.9	MUY SEVERA
Huixtla	3.8	0.6	2.1	1.1	856.6	690.3	407.9	12.0	2795.8	5.3	MUY SEVERA
Independencia, La	4.3	0.4	3.0	1.0	536.7	484.7	178.8	17.0	851.6	4.8	EXTREMADAMENTE SEVERA
Ixhualán	2.5	0.8	0.9	0.0	604.3	307.4	671.4	13.0	4312.4	5.6	EXTREMADAMENTE SEVERA
Ixtacomitán	2.7	0.7	1.1	0.3	334.6	260.8	304.1	19.0	1245.6	5.9	SEVERA
Ixtapa	5.0	1.8	2.2	1.0	526.4	413.9	239.2	17.0	1119.9	6.2	MUY SEVERA
Ixtapangajoyá	4.1	2.0	2.0	1.8	1139.7	1404.2	569.8	15.0	3150.5	5.9	MUY SEVERA
Jiquipilas	4.7	1.3	2.1	1.2	278.7	204.5	132.7	13.0	838.0	5.2	MUY SEVERA
Jitotol	4.3	2.4	2.1	1.7	428.9	337.0	204.2	14.0	1244.8	4.9	MUY SEVERA
Juárez	4.0	1.0	2.3	1.4	632.5	820.6	275.0	12.0	1905.0	4.6	MUY SEVERA
Larrainzar, La	3.0	1.6	1.5	0.9	337.9	366.6	225.2	18.0	983.1	5.4	SEVERA
Libertad, La	2.8	0.8	1.4	0.6	551.7	519.9	394.0	15.0	2232.5	5.0	SEVERA
Mapastepec	3.3	1.9	1.5	0.7	532.5	351.7	355.0	13.0	2213.2	6.8	SEVERA
Margaritas, Las	4.4	2.0	2.6	2.1	809.2	903.5	311.2	9.0	2849.7	4.0	MODERADA
Mazapa de Madero	5.4	2.5	3.3	2.8	382.5	433.4	115.9	14.0	693.4	3.6	EXTREMADAMENTE SEVERA
Mazatlán	3.6	1.6	1.4	0.5	549.0	406.8	392.1	19.0	1600.9	7.2	SEVERA
Metapa	5.5	1.1	1.8	1.5	949.6	1163.8	527.5	16.0	2691.1	6.8	SEVERA
Mitontic	6.5	5.0	3.3	2.7	1056.5	925.5	320.1	17.0	1547.8	4.5	EXTREMADAMENTE SEVERA
Motuzintla	5.4	2.5	3.3	2.8	382.5	433.4	115.9	14.0	693.4	3.6	EXTREMADAMENTE SEVERA
Nicolás Ruiz	5.3	3.5	3.1	3.5	731.1	957.0	235.8	19.0	944.3	2.6	EXTREMADAMENTE SEVERA
Ocosingo	5.0	3.0	2.6	2.5	671.1	821.9	258.1	13.0	1614.0	3.9	MUY SEVERA
Ocoitepec	4.2	2.7	2.3	1.0	1939.8	1450.7	843.3	20.0	3238.7	5.7	MUY SEVERA
Ocozacoautla de Espinosa	5.1	1.5	2.9	1.6	417.6	405.1	144.0	18.0	651.0	3.5	MUY SEVERA
Ostuacán	2.6	0.9	1.2	0.4	568.0	382.9	473.3	11.0	3723.4	4.9	SEVERA
Osumacinta	4.8	1.3	2.1	1.2	307.9	162.2	146.6	15.0	811.9	5.3	MUY SEVERA
Oxchuc	5.3	2.6	3.2	1.6	1243.7	944.4	388.6	20.0	1542.2	2.6	EXTREMADAMENTE SEVERA
Palenque	2.8	0.8	1.4	0.6	551.7	519.9	394.0	15.0	2232.5	5.0	SEVERA
Pantelhó	4.1	2.0	2.0	1.8	1139.7	1404.2	569.8	15.0	3150.5	5.9	MUY SEVERA
Pantepec	4.2	2.7	2.3	1.0	1939.8	1450.7	843.3	20.0	3238.7	5.7	MUY SEVERA
Pichucalco	4.1	2.0	2.0	1.8	1139.7	1404.2	569.8	15.0	3150.5	5.9	MUY SEVERA
Pijijiapan	3.7	1.6	1.9	1.4	663.4	672.1	349.1	12.0	2407.3	5.1	SEVERA
Porvenir, El	5.4	2.5	3.3	2.8	382.5	433.4	115.9	14.0	693.4	3.6	EXTREMADAMENTE SEVERA
Villa Comalaltán	3.1	1.0	1.4	0.4	643.7	752.3	459.7	15.0	2552.5	5.0	SEVERA
Pueblo Nuevo Solistahuacán	3.5	2.0	2.0	1.5	1080.9	1053.5	540.4	20.0	2074.3	5.8	MUY SEVERA
Rayón	4.2	2.7	2.3	1.0	1939.8	1450.7	843.3	20.0	3238.7	5.7	MUY SEVERA
Reforma	4.0	1.0	2.3	1.4	632.5	820.6	275.0	12.0	905.0	4.6	MUY SEVERA
Rosas, Las	4.0	1.7	1.6	0.8	308.8	252.0	193.0	17.0	882.3	5.5	SEVERA
Sabanilla	3.6	1.1	2.2	1.2	441.0	258.9	200.4	12.0	367.5	4.1	MUY SEVERA

Tabla C.47. Características de la sequía promedio de cada municipio del estado de Chiapas.

Municipio	Características promedio de la sequía meteorológica municipal									Tr(años) para	Tipo de sequía
	Periodicidad PerS(años)	DevStd PerS (años)	Duración DS(años)	DevStd DS (años)	Severidad SS(mm)	DevStd SS (mm)	Intensidad IS(mm/año)	% de IS respecto a X ₀	llovía disponible Hp disp S(mm)		
Salto de Agua	5.1	2.8	2.3	2.2	994.8	1679.9	432.5	14.0	2636.9	6.5	MUY SEVERA
San Cristóbal de las Casas	4.2	1.6	2.3	1.3	270.2	230.7	117.4	11.0	878.8	3.3	MUY SEVERA
San Fernando	4.8	1.3	2.1	1.2	307.9	162.2	146.6	15.0	811.9	5.3	MUY SEVERA
Siltepec	3.7	2.4	2.0	1.0	349.6	252.6	174.8	9.0	1645.7	4.1	MODERADA
Simojovel	3.6	1.1	2.2	1.2	441.0	258.9	200.4	12.0	1347.5	4.1	MUY SEVERA
Sitalá	4.0	1.5	1.7	0.7	481.9	297.6	283.4	15.0	1586.5	5.2	SEVERA
Socoltenango	3.0	1.1	2.0	1.3	181.5	71.8	90.7	9.0	906.9	3.9	MODERADA
Solosuchiapa	2.7	0.7	1.1	0.3	334.6	260.8	304.1	19.0	1245.6	5.9	SEVERA
Soyaló	4.8	1.3	2.1	1.2	307.9	162.2	146.6	15.0	811.9	5.3	MUY SEVERA
Suchiapa	4.1	1.3	2.0	1.0	301.5	185.9	150.7	16.0	764.1	5.2	MUY SEVERA
Suchiate	6.5	1.9	2.8	1.6	772.5	666.0	275.8	18.0	1178.0	5.4	MUY SEVERA
Sunuapa	4.1	2.0	2.0	1.8	1139.7	1404.2	569.8	15.0	3150.5	5.9	MUY SEVERA
Tapachula	4.0	2.3	2.0	1.9	851.0	1050.7	425.5	11.0	3430.7	6.2	MUY SEVERA
Tapalapa	4.2	2.7	2.3	1.0	1939.8	1450.7	843.3	20.0	3238.7	5.7	MUY SEVERA
Tapilula	4.2	2.7	2.3	1.0	1939.8	1450.7	843.3	20.0	3238.7	5.7	MUY SEVERA
Teapalán	4.3	1.8	2.5	1.9	688.3	603.4	275.3	11.0	2134.0	4.0	MUY SEVERA
Tenejapa	6.5	5.0	3.3	2.7	1056.5	925.5	320.1	17.0	1547.8	4.5	EXTREMADAMENTE SEVERA
Teopisca	4.2	1.6	2.3	1.3	270.2	230.7	117.4	11.0	878.8	3.3	MUY SEVERA
Tila	4.4	2.7	1.6	1.1	798.8	744.7	499.2	18.0	2244.2	4.3	SEVERA
Tonalá	3.7	1.9	1.6	0.8	514.7	439.4	321.6	18.0	1460.0	6.2	SEVERA
Totolapa	5.3	3.5	3.1	3.5	731.1	957.0	235.8	19.0	944.3	2.6	EXTREMADAMENTE SEVERA
Trinidad, La	4.1	2.0	1.9	1.5	267.8	239.7	140.9	14.0	810.2	5.4	SEVERA
Tumbalá	3.1	0.9	2.0	0.8	695.4	304.3	347.7	10.0	3084.7	3.4	MODERADA
Tuxtla Gutiérrez	3.8	1.4	1.8	1.3	283.0	217.0	157.2	16.0	795.5	6.1	SEVERA
Tuxtla Chico	2.8	1.1	1.5	0.8	696.8	546.6	464.5	11.0	3493.8	3.9	SEVERA
Tuzantán	3.8	0.6	2.1	1.1	856.6	690.3	407.9	12.0	2795.8	5.3	MUY SEVERA
Tzimol	3.2	0.7	2.0	1.1	245.3	280.5	122.6	13.0	813.9	4.2	MUY SEVERA
Unión Juárez	5.4	2.2	3.1	1.4	1591.5	1280.2	513.3	10.0	4378.6	3.6	EXTRAORDINARIA
Venustiano Carranza	2.8	1.1	1.5	0.8	696.8	546.6	464.5	11.0	3493.8	3.9	SEVERA
Villa Corzo	4.5	1.5	3.2	2.2	415.3	386.9	129.7	9.0	1231.7	7.5	EXTRAORDINARIA
Villaflores	4.2	2.5	1.8	1.2	315.0	308.3	175.0	14.0	1022.8	6.0	SEVERA
Yajalón	4.3	1.8	2.0	1.8	775.3	882.3	387.6	11.0	3027.7	4.3	MUY SEVERA
San Lucas	5.3	3.5	3.1	3.5	731.1	957.0	235.8	19.0	944.3	2.6	EXTREMADAMENTE SEVERA
Zinacantan	5.0	1.8	2.2	1.0	526.4	413.9	239.2	17.0	1119.9	6.2	MUY SEVERA
San Juan Cancuc	4.0	1.5	1.7	0.7	481.9	297.6	283.4	15.0	1586.5	5.2	SEVERA
Estatad	4.6	2.6	2.6	2.9	508.7	1015.5	195.6	10.0	1759.3	2.0	MODERADA

Tabla C.47. Características de la sequía promedio de cada municipio del estado de Chiapas.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de $I_{máx}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Acacoyagua	1176.2	2.0	588.1	22.0	588.1	2.0	22.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Acala	1349.8	7.0	192.8	23.0	322.8	2.0	40.0	16.6	50.0	0.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0
Acepetahua	2350.6	1.0	2350.6	78.0	2350.6	1.0	78.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Altamirano	954.2	3.0	318.0	19.0	581.5	1.0	35.0	54.5	27.2	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amatán	876.5	4.0	219.1	13.0	283.9	1.0	18.0	42.8	14.2	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Amatenango F.	1231.1	5.0	246.2	15.0	279.2	1.0	17.0	42.8	28.5	0.0	0.0	28.5	0.0	0.0	0.0	0.0	0.0
Ametenango V.	903.8	3.0	301.2	28.0	407.3	1.0	37.0	62.5	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Angel Albino C.	4145.1	11.0	376.8	17.0	633.0	1.0	29.0	50.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arriaga	428.2	2.0	214.1	16.0	398.9	1.0	29.0	83.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bejuclal de O.	425.5	2.0	212.7	20.0	383.6	1.0	37.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bella Vista	779.9	4.0	194.9	10.0	215.5	2.0	11.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Berriozábal	811.2	2.0	405.6	25.0	405.6	2.0	25.0	28.5	57.1	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Bochil	555.7	4.0	138.9	14.0	348.7	1.0	36.0	42.8	28.5	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Bosque, El	1138.3	6.0	189.7	13.0	430.1	1.0	29.0	50.0	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Cacahoatán	1688.9	2.0	844.4	21.0	844.4	2.0	21.0	63.6	27.2	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
Catazajá	1943.7	3.0	647.9	24.0	691.4	1.0	26.0	63.6	27.2	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cintalapa	738.6	6.0	123.1	17.0	384.7	1.0	53.0	33.3	50.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Coapilla	555.7	4.0	138.9	14.0	348.7	1.0	36.0	42.8	28.5	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Comitán	427.8	3.0	142.6	13.0	276.4	1.0	26.0	57.1	0.0	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Concordia, La	3089.2	7.0	441.3	32.0	441.3	7.0	32.0	66.6	11.1	0.0	11.1	0.0	0.0	11.1	0.0	0.0	0.0
Copainalá	397.7	2.0	198.8	21.0	198.8	2.0	21.0	71.4	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chalchihuitán	1138.3	6.0	189.7	13.0	430.1	1.0	29.0	50.0	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Chamula	1006.6	2.0	502.8	41.0	502.8	2.0	41.0	66.6	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Chanal	2590.8	10.0	259.0	16.0	527.9	1.0	33.0	63.6	18.1	9.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0
Chapultenango	3965.3	2.0	1982.6	48.0	1982.6	2.0	48.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Chenalhó	3030.0	10.0	303.0	16.0	481.3	2.0	25.0	12.5	50.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	12.5
Chiapa de Corzo	825.7	4.0	206.4	21.0	288.8	2.0	30.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Chiapilla	3363.4	13.0	258.7	21.0	329.6	2.0	27.0	33.3	33.3	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chicoasén	555.7	4.0	138.9	14.0	348.7	1.0	36.0	42.8	28.5	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Chicomuselo	914.0	4.0	228.5	16.0	263.8	2.0	18.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Chilón	2852.9	6.0	475.4	24.0	475.4	6.0	24.0	14.2	28.5	14.2	14.2	14.2	14.2	0.0	0.0	0.0	0.0
Escuintla	1385.6	2.0	692.8	22.0	737.3	1.0	23.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Francisco León	1284.7	2.0	642.3	15.0	784.5	1.0	18.0	77.7	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Frontera Comal.	906.5	5.0	181.3	13.0	203.5	2.0	15.0	14.2	28.5	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Frontera Hidalgo	1479.2	5.0	295.8	14.0	816.7	1.0	41.0	70.0	10.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
Grandeza, La	779.9	4.0	194.9	10.0	215.5	2.0	11.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Huehuetán	1261.3	1.0	1261.3	63.0	1261.3	1.0	63.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Huixtán	676.2	5.0	135.2	13.0	154.9	2.0	15.0	33.3	33.3	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0

Tabla C.48. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Chiapas.

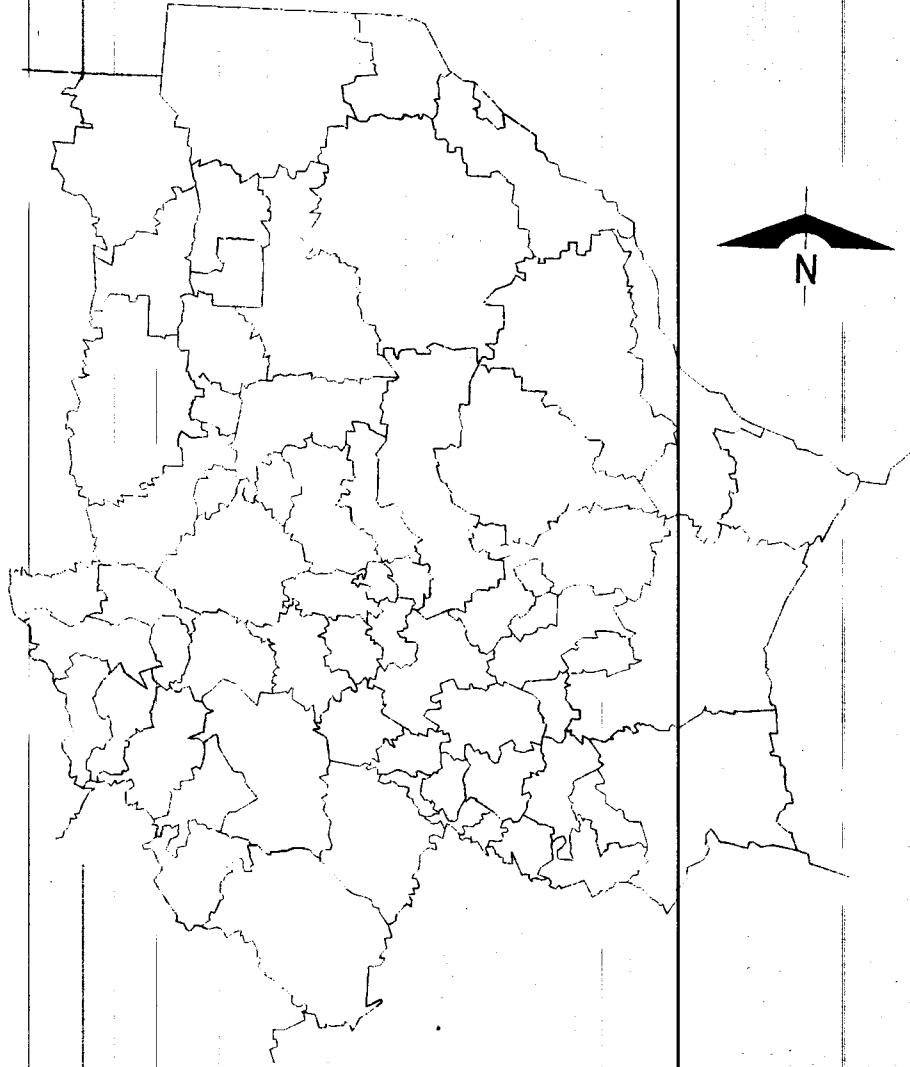
Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_c	$I^*(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Huitupán	3943.3	7.0	563.3	15.0	976.5	4.0	26.0	70.0	10.0	0.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0
Huixtla	2342.0	4.0	585.5	18.0	585.5	4.0	18.0	42.8	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Independencia, La	1350.6	4.0	337.6	32.0	337.6	4.0	32.0	0.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
Ixhuatán	1150.2	1.0	1150.2	23.0	1150.2	1.0	23.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ixtacomitán	757.4	1.0	757.4	48.0	757.4	1.0	48.0	83.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ixtapa	1165.6	4.0	291.4	21.0	665.4	1.0	48.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Ixtapangajoyá	3943.3	7.0	563.3	15.0	976.5	4.0	26.0	70.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Jiquipilas	746.0	3.0	248.6	25.0	248.6	3.0	25.0	50.0	12.5	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Jitotol	1138.3	6.0	189.7	13.0	430.1	1.0	29.0	50.0	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Juárez	2405.6	5.0	481.1	22.0	481.1	5.0	22.0	50.0	0.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Larrainzar	1005.6	2.0	502.8	41.0	502.8	2.0	41.0	66.6	22.2	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0
Libertad, La	1943.7	3.0	647.9	24.0	691.4	1.0	26.0	63.6	27.2	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mapastepec	1068.7	3.0	356.2	13.0	537.8	1.0	20.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Margaritas, Las	2705.0	7.0	386.4	12.0	387.8	1.0	12.0	50.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mazapa	1249.0	9.0	138.7	17.0	159.6	1.0	19.0	36.3	27.2	0.0	9.0	0.0	9.0	0.0	9.0	9.0	0.0
Mazatán	1261.3	1.0	1261.3	63.0	1261.3	1.0	63.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Metapa	3155.2	5.0	631.0	19.0	1087.1	1.0	33.0	80.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Mitontic	3030.0	10.0	303.0	16.0	481.3	2.0	25.0	12.5	50.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Motzintla	1249.0	9.0	138.7	17.0	159.6	1.0	19.0	36.3	27.2	0.0	9.0	0.0	9.0	0.0	9.0	9.0	0.0
Nicolás Ruiz	3363.4	13.0	258.7	21.0	329.6	2.0	27.0	33.3	33.3	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ocosingo	2699.9	9.0	299.9	16.0	474.3	3.0	25.0	55.5	11.1	11.1	0.0	11.1	0.0	0.0	0.0	11.1	0.0
Ocoatepec	3965.3	2.0	1982.6	48.0	1982.6	2.0	48.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Ocozacoautla	1386.5	7.0	198.0	24.0	253.3	2.0	31.0	9.0	45.4	27.2	0.0	9.0	0.0	9.0	0.0	0.0	0.0
Ostuacán	1284.7	2.0	642.3	15.0	784.5	1.0	18.0	77.7	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Osumacinta	555.7	4.0	138.9	14.0	348.7	1.0	36.0	42.8	28.5	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Oxchuc	2852.9	6.0	475.4	24.0	475.4	6.0	24.0	14.2	28.5	14.2	14.2	14.2	14.2	0.0	0.0	0.0	0.0
Palenque	1943.7	3.0	647.9	24.0	691.4	1.0	26.0	63.6	27.2	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pantelhó	3943.3	7.0	563.3	15.0	976.5	4.0	26.0	70.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Pantepec	3965.3	2.0	1982.6	48.0	1982.6	2.0	48.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Pichucalco	3943.3	7.0	563.3	15.0	976.5	4.0	26.0	70.0	10.0	0.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0
Pijijapan	1760.4	5.0	352.0	12.0	692.1	2.0	25.0	50.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Porvenir, El	1249.0	9.0	138.7	17.0	159.6	1.0	19.0	36.3	27.2	0.0	9.0	0.0	9.0	0.0	9.0	9.0	0.0
Villa Comaltitlán	2350.6	1.0	2350.6	78.0	2350.6	1.0	78.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pueblo Nuevo S.	3146.4	5.0	629.2	24.0	629.2	5.0	24.0	60.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Rayón	3965.3	2.0	1982.6	48.0	1982.6	2.0	48.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Reforma	2405.6	5.0	481.1	22.0	481.1	5.0	22.0	50.0	0.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Rosas, Las	903.8	3.0	301.2	28.0	407.3	1.0	37.0	62.5	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sabanilla	876.5	4.0	219.1	13.0	283.9	1.0	18.0	42.8	14.2	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.48. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Chiapas.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad	Duración	$I = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I'	Intensidad	Duración / máx	% de I'	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años	
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I'(mm/a\acute{o})$	respecto a X_c	$I_{m\acute{a}x}(mm/a\acute{o})$	$D_{m\acute{a}x}(a\acute{o}s)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
Salto de Agua	5314.6	8.0	664.3	21.0	664.3	8.0	21.0	50.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0	12.5	0.0	0.0
Sn Cristóbal C	676.2	5.0	135.2	13.0	154.9	2.0	15.0	33.3	33.3	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
San Fernando	555.7	4.0	138.9	14.0	348.7	1.0	36.0	42.8	28.5	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Siltepec	779.9	4.0	194.9	10.0	215.5	2.0	11.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Simojovel	876.5	4.0	219.1	13.0	283.9	1.0	18.0	42.8	14.2	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sitalá	968.3	3.0	322.7	17.0	322.7	3.0	17.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Socotengo	314.3	5.0	62.8	6.0	220.6	1.0	22.0	42.8	42.8	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Solosuchiapa	757.4	1.0	757.4	48.0	757.4	1.0	48.0	83.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soyaló	555.7	4.0	138.9	14.0	348.7	1.0	36.0	42.8	28.5	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Suchiapa	690.5	3.0	230.1	25.0	321.3	1.0	35.0	37.5	37.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Suchiate	2199.9	5.0	440.0	30.0	440.0	5.0	30.0	42.8	0.0	0.0	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Sunuapa	3943.3	7.0	563.3	15.0	976.5	4.0	26.0	70.0	10.0	0.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
Tapachula	3514.4	7.0	502.0	13.0	502.0	7.0	13.0	62.5	25.0	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Tapakapa	3965.3	2.0	1982.6	48.0	1982.6	2.0	48.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tapitula	3965.3	2.0	1982.6	48.0	1982.6	2.0	48.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tecpatán	2114.3	7.0	302.0	12.0	590.3	1.0	24.0	42.8	14.2	28.5	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Tenejapa	3030.0	10.0	303.0	16.0	481.3	2.0	25.0	12.5	50.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	12.5
Teopisca	676.2	5.0	135.2	13.0	154.9	2.0	15.0	33.3	33.3	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Tila	2306.3	4.0	576.5	20.0	761.9	1.0	27.0	66.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tonalá	1262.8	3.0	420.9	23.0	478.2	1.0	26.0	62.5	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Totolapa	3363.4	13.0	258.7	21.0	329.6	2.0	27.0	33.3	33.3	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trinidad La	741.0	6.0	123.5	12.0	245.6	1.0	25.0	60.0	20.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
Tumbalá	1123.6	3.0	374.5	10.0	908.3	1.0	26.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tuxtla Gutiérrez	749.1	5.0	149.8	15.0	248.1	1.0	26.0	62.5	12.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Tuxtla Chico	1688.9	2.0	844.4	21.0	844.4	2.0	21.0	63.6	27.2	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tuzantán	2342.0	4.0	585.5	18.0	585.5	4.0	18.0	42.8	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tzimol	846.6	4.0	211.6	22.0	211.6	4.0	22.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unión Juárez	4156.6	6.0	692.7	14.0	960.2	2.0	19.0	12.5	25.0	25.0	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0
V. Carranza	1688.9	2.0	844.4	21.0	844.4	2.0	21.0	63.6	27.2	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Villa Corzo	1026.7	7.0	146.6	10.0	202.9	3.0	14.0	40.0	0.0	20.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
Villaflores	1068.1	4.0	267.0	22.0	267.0	4.0	22.0	62.5	12.5	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yajalón	2678.4	6.0	446.4	13.0	641.8	1.0	18.0	66.6	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
San Lucas	3363.4	13.0	258.7	21.0	329.6	2.0	27.0	33.3	33.3	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zinacantán	1165.6	4.0	291.4	21.0	665.4	1.0	48.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Juan Cancuc	968.3	3.0	322.7	17.0	322.7	3.0	17.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Estatal	3310.3	9.0	367.8	18.0	367.8	9.0	18.0	66.6	11.1	0.0	0.0	0.0	0.0	11.1	0.0	11.1	0.0	0.0

Tabla C.48. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Chiapas.

CHIHUAHUA



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años) lluvia mínima Tr(años)			
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _a (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
HA08001	260.8	232.0	153.8	2.9	15.6	0.59	253.0	158.0	96.0	35.0	0.0	0.0	3.6	110.6	8.5
HA08002	225.9	169.2	121.0	0.9	3.8	0.54	164.0	127.0	105.0	75.0	3.0	0.0	4.6	88.1	15.3
HA08003	1113.9	1132.0	231.5	0.3	3.7	0.21	1101.0	931.0	811.0	684.0	500.0	348.0	14.2	649.2	24.0
HA08005	461.8	430.0	132.8	1.1	5.1	0.29	405.0	337.0	290.0	221.0	92.0	0.0	4.2	290.0	10.0
HA08006	196.1	164.4	85.0	1.0	3.8	0.43	149.0	126.0	112.0	92.0	34.0	0.0	4.2	101.2	15.5
HA08007	618.9	606.2	120.3	0.8	5.1	0.19	611.0	523.0	462.0	399.0	306.0	226.0	10.2	403.5	19.0
HA08008	537.5	524.0	114.1	0.7	3.2	0.21	513.0	448.0	407.0	366.0	310.0	264.0	12.7	351.0	25.9
HA08009	514.2	462.0	196.4	1.7	8.6	0.38	448.0	352.0	278.0	175.0	0.0	0.0	4.7	276.0	10.2
HA08010	292.5	264.0	88.5	0.9	4.3	0.30	272.0	221.0	188.0	153.0	100.0	52.0	9.2	157.5	18.3
HA08011	372.3	376.3	106.2	-0.5	4.8	0.29	375.0	291.0	239.0	190.0	125.0	77.0	24.2	134.0	44.2
HA08013	348.4	338.0	197.1	3.4	18.2	0.57	203.3	29.0	0.0	0.0	0.0	0.0	1.5	183.4	2.2
HA08014	322.1	329.1	103.1	-0.3	3.1	0.32	326.0	231.0	200.0	172.0	137.0	110.0	34.7	114.8	88.4
HA08016	789.6	730.0	246.4	1.5	6.5	0.31	747.0	618.0	535.0	455.0	347.0	261.0	5.4	513.0	12.1
HA08017	279.4	267.5	97.9	0.0	4.6	0.35	283.0	205.0	149.0	88.0	0.0	0.0	10.2	109.0	15.9
HA08019	304.4	304.8	113.3	0.4	3.3	0.37	286.0	184.0	119.0	58.0	0.0	0.0	6.6	116.7	10.3
HA08021	523.0	522.0	152.0	0.6	4.7	0.29	525.0	386.0	284.0	173.0	0.0	0.0	8.0	247.0	12.7
HA08022	1105.3	1065.6	198.7	0.3	3.0	0.18	1070.0	941.0	869.0	798.0	703.0	626.0	16.3	740.0	35.2
HA08026	460.1	444.0	117.6	1.1	4.9	0.26	438.0	366.0	317.0	266.0	188.0	116.0	5.4	312.5	10.7
HA08027	262.7	251.4	77.3	0.4	2.8	0.29	249.0	194.0	167.0	140.0	101.0	68.0	17.0	116.9	35.1
HA08028	485.5	520.5	129.8	-1.1	5.7	0.27	508.0	388.0	316.0	250.0	166.0	103.0	31.1	159.2	53.9
HA08029	322.5	290.7	130.4	0.9	4.7	0.40	281.0	217.0	170.0	107.0	0.0	0.0	8.9	119.6	17.8
HA08031	296.7	305.5	102.1	0.2	3.8	0.34	307.0	231.0	182.0	135.0	74.0	29.0	15.8	109.0	29.5
HA08032	415.2	410.7	153.4	0.0	3.1	0.37	410.0	297.0	228.0	163.0	79.0	16.0	19.6	102.3	38.7
HA08033	375.7	370.7	99.5	-0.7	3.4	0.26	389.0	284.0	228.0	176.0	110.0	61.0	15.7	161.5	24.5
HA08035	424.9	395.0	143.3	0.8	3.7	0.34	379.0	302.0	258.0	215.0	156.0	106.0	3.8	277.1	7.4
HA08038	709.9	739.2	174.2	-0.6	5.3	0.25	730.0	595.0	495.0	384.0	208.0	49.0	27.4	238.9	43.1
HA08041	1049.8	1049.4	239.6	-0.6	3.7	0.23	1047.0	875.0	773.0	677.0	553.0	461.0	35.4	507.3	70.7
HA08043	699.4	739.9	128.2	-1.3	7.2	0.18	735.0	659.0	587.0	494.0	355.0	249.0	38.0	339.1	55.5
HA08044	307.0	319.5	61.0	0.2	2.7	0.20	306.0	248.0	229.0	209.0	182.0	157.0	7.1	217.0	15.3
HA08045	739.3	737.5	243.6	0.0	3.4	0.33	741.0	552.0	426.0	299.0	124.0	0.0	22.9	168.5	39.9
HA08049	286.0	254.3	112.3	1.2	5.8	0.39	255.0	209.0	176.0	137.0	59.0	0.0	14.7	106.6	30.3
HA08052	254.4	230.6	94.8	1.1	5.0	0.37	223.0	174.0	143.0	110.0	59.0	12.0	5.3	136.0	11.6
HA08054	240.7	211.9	97.9	1.8	8.1	0.41	207.0	169.0	140.0	100.0	10.0	0.0	5.6	123.2	13.8
HA08055	1069.1	1054.0	313.4	0.0	3.2	0.29	1047.0	837.0	711.0	593.0	441.0	328.0	21.9	458.0	45.2
HA08056	417.6	394.9	132.3	0.5	3.2	0.32	386.0	313.0	273.0	235.0	186.0	149.0	11.7	219.5	26.6
HA08057	439.2	446.5	123.0	0.2	3.5	0.28	429.0	347.0	297.0	249.0	185.0	136.0	26.2	178.0	55.5
HA08058	427.2	412.0	146.2	0.4	3.0	0.34	405.0	307.0	249.0	194.0	123.0	70.0	8.1	214.0	15.5
HA08059	332.0	311.2	111.9	0.5	3.1	0.34	302.0	245.0	211.0	180.0	139.0	109.0	26.9	124.2	70.1

Tabla C.49. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Chihuahua.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _a (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp mín(mm)	Hp mín
HA08060	491.3	409.8	355.0	1.7	8.7	0.72	387.0	235.0	127.0	0.0	0.0	0.0	4.5	122.8	10.2
HA08062	319.9	313.0	131.7	0.2	2.8	0.41	303.0	215.0	164.0	117.0	57.0	11.0	10.3	115.2	20.6
HA08064	323.4	284.5	144.1	1.4	6.6	0.45	277.0	211.0	157.0	75.0	0.0	0.0	7.9	111.6	15.3
HA08066	317.6	317.2	80.9	0.2	3.0	0.25	309.0	253.0	220.0	186.0	141.0	105.0	14.2	171.2	27.3
HA08067	367.0	344.0	119.6	1.0	3.7	0.33	336.0	272.0	232.0	194.0	142.0	101.0	6.0	219.5	12.6
HA08068	437.5	423.0	134.4	-0.1	2.9	0.31	409.0	316.0	268.0	223.0	166.0	124.0	17.4	186.0	36.2
HA08069	540.5	503.5	159.4	1.6	6.4	0.29	498.0	434.0	391.0	348.0	283.0	222.0	5.5	369.0	14.4
HA08071	747.8	766.2	189.9	0.0	4.2	0.25	749.0	603.0	497.0	385.0	219.0	82.0	21.7	283.5	35.5
HA08072	292.9	279.0	106.5	1.3	5.7	0.36	247.0	195.0	156.0	84.0	0.0	0.0	3.2	170.5	8.1
HA08073	1131.5	1162.4	212.7	0.4	3.6	0.19	1122.0	971.0	859.0	733.0	540.0	379.0	12.0	743.6	18.9
HA08074	592.8	577.0	142.4	-0.2	2.8	0.24	584.0	475.0	415.0	359.0	288.0	235.0	30.6	270.7	62.9
HA08076	471.1	454.8	124.2	-0.1	2.8	0.26	456.0	366.0	318.0	274.0	218.0	177.0	17.3	240.6	34.6
HA08077	298.8	255.0	150.2	2.5	12.2	0.50	219.0	190.0	142.0	0.0	0.0	0.0	1.8	162.0	8.5
HA08078	502.1	522.0	188.7	0.7	4.7	0.38	485.0	355.0	246.0	111.0	0.0	0.0	8.6	195.0	13.3
HA08080	332.6	318.9	84.3	-0.3	4.4	0.25	330.0	290.0	271.0	220.0	152.0	101.0	45.6	122.0	74.8
HA08081	332.1	312.3	111.7	0.9	4.5	0.34	314.0	252.0	213.0	175.0	125.0	86.0	16.5	136.6	40.5
HA08083	343.9	359.0	113.5	-0.6	3.7	0.33	260.4	160.0	93.5	29.8	0.0	0.0	5.1	122.0	7.4
HA08084	244.5	221.2	100.0	1.5	7.2	0.41	227.0	173.0	135.0	96.0	36.0	0.0	5.8	123.2	12.5
HA08085	326.2	296.1	112.5	0.1	2.1	0.34	312.0	226.0	178.0	133.0	75.0	33.0	11.6	132.5	20.2
HA08087	325.6	310.5	108.0	0.4	3.6	0.33	315.0	253.0	214.0	178.0	131.0	96.0	26.3	119.5	63.1
HA08090	458.2	448.4	100.7	0.0	4.2	0.22	452.0	381.0	337.0	292.0	230.0	179.0	29.9	221.5	56.2
HA08091	323.0	296.3	91.4	0.7	3.5	0.28	294.0	247.0	220.0	193.0	150.0	110.0	8.3	192.4	20.3
HA08092	315.1	295.2	86.0	0.4	2.4	0.27	290.0	243.0	218.0	194.0	164.0	142.0	11.5	184.1	27.3
HA08093	305.9	302.5	89.4	0.2	2.9	0.29	302.0	221.0	184.0	149.0	102.0	65.0	4.8	195.2	8.0
HA08095	291.8	283.6	93.7	0.7	4.2	0.32	282.0	227.0	191.0	154.0	101.0	56.0	15.8	127.0	32.3
HA08096	471.5	433.0	184.0	0.5	3.2	0.39	438.0	328.0	263.0	202.0	124.0	65.0	10.9	194.5	21.9
HA08097	701.2	691.0	174.8	0.5	2.9	0.25	691.0	542.0	511.0	411.0	261.0	149.0	11.3	436.7	17.2
HA08098	357.4	320.5	101.2	1.1	4.8	0.28	314.0	278.0	251.0	208.0	115.0	40.0	7.3	222.5	16.6
HA08099	604.3	603.7	151.8	0.6	4.0	0.25	591.0	490.0	408.0	308.0	140.0	0.0	10.3	346.5	15.6
HA08100	325.0	317.3	130.5	0.6	3.5	0.40	320.0	223.0	160.0	100.0	23.0	0.0	9.3	118.0	16.2
HA08102	305.3	293.7	109.5	0.2	2.1	0.36	287.0	206.0	169.0	135.0	92.0	60.0	7.1	154.5	13.3
HA08103	692.7	689.7	206.8	-0.6	4.4	0.30	704.0	533.0	430.0	334.0	210.0	118.0	51.2	117.5	100.5
HA08104	429.8	415.3	121.5	0.5	4.4	0.28	425.0	335.0	277.0	222.0	150.0	96.0	10.5	225.5	19.1
HA08106	583.3	583.0	165.6	-0.8	4.4	0.28	566.0	431.0	350.0	274.0	177.0	105.0	41.3	127.5	80.3
HA08108	355.6	354.8	111.3	0.0	2.5	0.31	349.0	257.0	207.0	162.0	104.0	61.0	10.0	170.5	17.5
HA08109	425.0	413.5	109.3	0.5	3.6	0.26	408.0	335.0	290.0	246.0	185.0	134.0	10.4	243.8	20.7
HA08110	264.0	247.5	76.2	0.3	3.8	0.29	255.0	208.0	179.0	152.0	117.0	90.0	20.5	121.0	44.5
HA08111	328.6	299.5	125.7	0.7	3.3	0.38	294.0	239.0	206.0	174.0	134.0	103.0	13.5	147.8	36.5

Tabla C.49. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Chihuahua.

Estación	Estadísticos de la lluvia anual registrada					Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima registrada	Tr(años) para		
	Media	Mediana	Desv Std	Coeficientes		2 años	5 años	10 años	20 años	50 años				100 años	primer
	X ₀ (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min	Hp min
HA08112	383.1	381.0	141.9	0.8	4.5	0.37	356.0	236.0	170.0	81.0	0.0	0.0	5.4	165.2	10.4
HA08113	434.9	435.8	143.4	0.2	3.3	0.33	427.0	316.0	243.0	168.0	63.0	0.0	11.8	166.0	20.4
HA08114	410.9	376.8	148.9	0.6	3.5	0.36	373.0	291.0	244.0	198.0	137.0	89.0	13.7	166.5	32.2
HA08115	306.5	281.9	75.8	1.0	3.8	0.25	276.0	246.0	229.0	212.0	187.0	165.0	3.7	232.0	8.8
HA08117	858.6	873.8	242.1	-0.5	4.4	0.28	851.0	691.0	592.0	498.0	378.0	289.0	48.4	285.0	102.9
HA08118	276.7	273.2	101.8	0.3	2.9	0.37	264.0	188.0	145.0	104.0	48.0	3.0	6.8	130.5	12.8
HA08121	258.9	240.0	110.5	1.5	6.5	0.43	245.0	191.0	155.0	118.0	62.0	9.0	8.0	116.5	20.5
HA08122	333.9	334.0	111.8	0.1	3.5	0.33	328.0	255.0	202.0	146.0	62.0	0.0	17.8	112.0	29.3
HA08123	476.9	431.3	207.4	1.5	6.0	0.43	426.0	339.0	284.0	231.0	161.0	105.0	6.3	238.5	18.1
HA08124	626.3	605.4	148.7	0.6	3.0	0.24	599.0	516.0	465.0	418.0	356.0	311.0	8.9	426.2	17.6
HA08125	740.3	708.0	221.1	0.3	3.2	0.30	717.0	576.0	491.0	409.0	302.0	219.0	17.0	340.0	36.2
HA08126	679.4	739.0	165.9	-0.4	3.0	0.24	685.0	529.0	474.0	424.0	361.0	314.0	29.9	334.5	74.0
HA08129	365.7	349.0	100.9	0.8	4.0	0.28	341.0	273.0	231.0	186.0	114.0	52.0	6.4	217.1	12.5
HA08131	369.0	377.9	119.0	0.3	3.7	0.32	362.0	271.0	217.0	167.0	103.0	55.0	7.2	207.2	11.5
HA08133	271.8	258.0	113.2	0.7	3.7	0.42	256.0	171.0	155.0	131.0	57.0	0.0	6.1	131.4	19.9
HA08135	352.8	363.5	70.2	-0.5	4.5	0.20	357.0	306.0	270.0	232.0	178.0	134.0	31.8	174.8	52.6
HA08136	430.7	413.0	127.7	1.0	4.0	0.30	383.0	317.0	283.0	237.0	144.0	62.0	4.9	276.0	11.3
HA08138	482.0	440.8	213.2	1.2	5.7	0.44	472.0	329.0	236.0	147.0	32.0	0.0	5.4	233.1	10.2
HA08139	353.1	329.0	113.4	0.5	3.6	0.32	323.0	270.0	236.0	197.0	131.0	67.0	19.4	155.0	36.9
HA08141	550.4	520.0	206.7	1.3	6.2	0.38	508.0	406.0	337.0	261.0	138.0	12.0	8.3	259.9	20.3
HA08144	464.1	444.0	127.9	-0.2	4.1	0.28	453.0	416.0	382.0	314.0	209.0	131.0	42.7	177.0	66.4
HA08146	946.9	898.5	228.1	0.4	3.1	0.24	898.0	761.0	682.0	607.0	509.0	433.0	17.1	534.0	39.7
HA08148	752.5	749.0	112.6	-0.3	3.1	0.15	750.0	657.0	613.0	572.0	520.0	481.0	33.5	497.9	74.0
HA08149	771.5	700.3	285.9	1.3	5.4	0.37	691.0	588.0	523.0	458.0	367.0	289.0	17.4	362.0	52.6
HA08151	437.3	426.8	127.4	0.6	4.0	0.29	415.0	325.0	268.0	208.0	120.0	45.0	6.9	245.0	13.1
HA08152	467.7	435.3	153.1	0.3	3.7	0.33	455.0	356.0	296.0	239.0	166.0	112.0	12.7	221.0	25.1
HA08154	402.7	377.5	123.7	0.8	3.6	0.31	367.0	307.0	271.0	235.0	186.0	145.0	13.1	212.2	31.2
HA08156	508.5	475.5	220.3	1.3	3.4	0.43	484.0	330.0	239.0	153.0	39.0	0.0	13.4	118.4	26.4
HA08157	341.2	325.0	118.5	1.3	5.7	0.35	288.0	240.0	194.0	106.0	0.0	0.0	5.4	185.0	11.0
HA08158	362.8	356.5	105.0	0.3	2.9	0.29	357.0	264.0	221.0	180.0	124.0	80.0	7.9	198.5	14.7
HA08159	309.0	327.0	88.1	-0.2	2.8	0.28	324.0	220.0	170.0	125.0	70.0	29.0	7.4	161.7	11.3
HA08160	798.9	774.3	155.4	1.5	7.1	0.19	782.0	705.0	652.0	593.0	494.0	390.0	10.0	587.0	21.4
HA08161	628.9	640.2	127.1	0.4	4.9	0.20	629.0	519.0	441.0	358.0	230.0	108.0	9.4	386.7	15.9
HA08162	370.8	365.0	104.1	0.3	3.1	0.28	360.0	288.0	244.0	203.0	148.0	107.0	14.7	180.3	29.2
HA08164	356.7	328.1	105.7	0.9	4.1	0.30	320.0	279.0	255.0	232.0	201.0	177.0	7.8	226.8	23.5
HA08165	413.6	415.3	111.0	0.1	3.6	0.27	410.0	321.0	265.0	213.0	144.0	92.0	7.4	254.7	11.5
HA08167	965.8	932.0	277.7	0.3	3.0	0.29	957.0	700.0	622.0	534.0	380.0	235.0	10.0	522.3	21.8
HA08169	455.0	422.0	189.0	1.0	4.3	0.42	397.0	300.0	241.0	177.0	78.0	0.0	5.5	227.0	11.7

Tabla C.49. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Chihuahua.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años) primer decil	Lluvia mínima registrada Hp mín(mm)	Tr(años) para Hp mín	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años				100 años
	Xc(mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)				Hp(mm)
HA08171	367.5	354.5	126.2	0.5	4.1	0.34	351.0	273.0	217.0	151.0	45.0	0.0	9.1	174.3	15.8
HA08172	1124.3	1123.3	184.7	0.7	4.8	0.16	1097.0	948.0	796.0	646.0	452.0	307.0	5.7	848.2	7.9
HA08173	409.7	419.5	124.2	-0.6	5.1	0.30	414.0	324.0	270.0	219.0	154.0	105.0	47.2	109.0	94.1
HA08176	306.9	304.0	95.8	-0.2	2.9	0.31	301.0	226.0	185.0	146.0	97.0	61.0	19.9	111.0	38.5
HA08179	269.2	258.5	86.7	0.0	2.7	0.32	254.0	188.0	151.0	117.0	74.0	41.0	8.0	137.8	13.0
HA08180	403.3	388.6	176.4	1.6	7.9	0.44	374.0	286.0	227.0	166.0	76.0	0.0	7.9	173.5	18.4
HA08182	754.4	738.0	219.7	-0.5	3.9	0.29	757.0	585.0	488.0	398.0	284.0	199.0	17.8	335.9	32.9
HA08184	314.1	317.5	98.9	0.0	2.9	0.31	309.0	225.0	186.0	148.0	96.0	53.0	11.5	140.3	23.1
HA08188	465.9	434.5	110.6	0.3	3.5	0.24	444.0	384.0	347.0	312.0	268.0	234.0	19.9	274.0	43.8
HA08191	827.5	798.1	132.4	0.9	3.9	0.16	730.0	612.9	535.4	461.1	364.8	292.7	3.3	614.1	5.0
HA08192	815.4	779.3	138.0	0.9	4.2	0.17	773.0	714.0	678.0	643.0	596.0	557.0	12.7	613.2	35.9
HA08199	289.9	273.7	87.1	1.0	6.2	0.30	272.0	226.0	187.0	129.0	36.0	0.0	8.0	164.5	13.4
HA08202	334.7	313.3	105.2	1.1	5.4	0.31	307.0	253.0	212.0	155.0	53.0	0.0	8.6	175.5	16.0
HA08210	288.8	278.0	87.8	0.4	3.1	0.30	272.0	216.0	183.0	151.0	108.0	72.0	12.2	139.0	26.1
HA08211	367.9	352.0	138.8	0.6	4.9	0.38	369.0	259.0	188.0	120.0	32.0	0.0	6.5	183.3	10.5
HA08212	348.8	312.0	166.8	1.1	4.9	0.48	315.0	269.0	130.0	0.0	0.0	0.0	7.6	133.6	9.8
HA08213	219.5	220.5	74.0	0.5	3.6	0.34	210.0	154.0	119.0	85.0	38.0	0.0	6.2	118.4	10.2
HA08214	716.7	711.0	208.6	-1.6	10.7	0.29	709.0	592.0	440.0	243.0	0.0	0.0	27.1	49.5	39.8
HA08216	414.4	406.8	90.5	-0.2	3.3	0.22	406.0	332.0	289.0	249.0	198.0	159.0	11.4	254.1	18.3
HA08219	585.6	548.0	108.9	0.7	4.1	0.19	550.0	503.0	476.0	448.0	405.0	364.0	11.9	433.0	28.4
HA08241	272.2	257.4	107.0	0.3	3.0	0.39	243.0	182.0	149.0	117.0	77.0	47.0	9.6	119.5	18.9
HA08243	456.5	431.6	106.6	0.6	4.4	0.23	378.1	283.8	221.5	161.6	84.2	26.1	2.6	311.5	3.7
HA08248	421.3	421.0	120.7	-0.8	6.5	0.29	430.0	351.0	290.0	221.0	119.0	36.0	33.2	114.2	52.0
HA08251	387.8	375.8	142.3	0.2	3.3	0.37	370.0	263.0	204.0	149.0	80.0	28.0	9.3	160.7	17.3
HA08254	309.6	297.5	99.0	0.5	4.5	0.32	290.0	227.0	192.0	158.0	113.0	76.0	6.6	180.7	12.5
HA08258	563.0	554.7	116.0	-0.4	5.7	0.21	563.0	492.0	441.0	382.0	293.0	219.0	29.2	298.5	47.3
HA08259	747.9	712.5	179.1	1.3	7.6	0.24	719.0	623.0	562.0	503.0	424.0	362.0	9.4	502.3	20.2
HA08260	423.7	392.5	155.1	1.3	7.6	0.37	382.0	296.0	237.0	165.0	38.0	0.0	5.4	235.5	10.2
HA08262	222.0	182.0	78.9	2.0	9.5	0.36	186.0	167.0	154.0	134.0	71.0	10.0	2.1	158.0	8.2
HA08271	704.4	686.1	114.2	0.2	3.4	0.16	697.0	617.0	568.0	522.0	463.0	418.0	10.3	530.9	17.4
HA08277	911.8	917.5	248.8	0.2	3.7	0.27	894.0	725.0	611.0	495.0	328.0	192.0	8.7	554.5	14.1
HA08278	430.6	456.0	152.7	0.0	3.7	0.35	443.0	243.0	211.0	179.0	122.0	58.0	3.5	220.0	8.2
HA08298	267.6	231.5	108.4	1.9	9.8	0.41	230.0	187.0	154.0	106.0	2.0	0.0	3.0	171.5	7.0
HA08304	336.7	318.0	104.8	-0.3	3.2	0.31	324.0	246.0	209.0	175.0	131.0	99.0	11.4	172.5	20.9
HA08332	746.7	771.0	204.8	-1.8	9.9	0.27	783.0	625.0	520.0	421.0	291.0	195.0	51.1	213.2	87.5

Tabla C.49. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Chihuahua.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA08001	189.9	269.2	348.5	427.8	507.1	586.3	665.6	744.9	824.2	903.5	29.6	31.3	22.2	11.1	0.0	0.0	0.0	0.0	0.0	3.7
HA08002	129.5	170.9	212.4	253.8	295.2	336.6	378.0	419.5	460.9	502.3	17.6	35.2	5.8	5.8	5.8	5.8	11.7	5.8	0.0	5.8
HA08003	748.5	847.9	947.2	1046.5	1145.9	1245.2	1344.5	1443.8	1543.2	1642.5	8.0	0.0	12.0	24.0	12.0	24.0	4.0	4.0	8.0	4.0
HA08005	348.3	406.5	464.8	523.0	581.3	639.5	697.8	756.0	814.3	872.5	20.0	24.6	6.6	10.0	23.3	6.6	3.3	0.0	0.0	3.3
HA08006	129.4	157.7	185.9	214.1	242.4	270.6	298.8	327.0	355.3	383.5	18.1	31.8	4.5	9.0	9.0	4.5	4.5	0.0	0.0	9.0
HA08007	460.0	516.5	573.0	629.5	686.0	742.5	799.0	855.5	912.0	968.5	3.7	18.5	11.1	29.6	14.8	7.4	7.4	3.7	0.0	3.7
HA08008	393.3	435.6	477.9	520.2	562.5	604.8	647.1	689.4	731.7	774.0	3.7	11.1	22.2	7.4	29.6	3.7	0.0	7.4	3.7	11.1
HA08009	357.7	439.4	521.1	602.8	684.5	766.2	847.9	929.6	1011.3	1093.0	12.5	37.5	12.5	6.2	18.7	6.2	0.0	0.0	0.0	6.2
HA08010	191.9	226.2	260.6	294.9	329.3	363.6	398.0	432.3	466.7	501.0	9.5	14.2	19.0	19.0	9.5	14.2	4.7	0.0	0.0	9.5
HA08011	176.3	218.6	260.9	303.2	345.5	387.8	430.1	472.4	514.7	557.0	6.6	0.0	6.6	6.6	20.0	20.0	13.3	13.3	6.6	6.6
HA08013	277.2	371.0	464.8	558.6	652.5	746.3	840.1	933.9	1027.7	1121.5	40.0	30.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
HA08014	150.6	186.3	222.1	257.9	293.7	329.4	365.2	401.0	436.7	472.5	5.8	5.8	0.0	17.6	17.6	5.8	5.8	17.6	5.8	17.6
HA08016	608.2	703.4	798.6	893.8	989.0	1084.2	1179.4	1274.6	1369.8	1465.0	29.4	5.8	29.4	17.6	0.0	5.8	5.8	0.0	0.0	5.8
HA08017	147.2	185.4	223.6	261.8	300.1	338.3	376.5	414.7	452.9	491.1	12.5	6.2	6.2	0.0	37.5	18.7	6.2	6.2	0.0	6.2
HA08019	157.2	197.7	238.3	278.8	319.3	359.8	400.3	440.9	481.4	521.9	8.3	8.3	12.5	12.5	20.8	16.6	4.1	0.0	0.0	16.6
HA08021	317.1	387.1	457.2	527.2	597.3	667.3	737.3	807.4	877.4	947.5	7.4	11.1	22.2	11.1	25.9	7.4	7.4	3.7	0.0	3.7
HA08022	818.8	897.6	976.4	1055.2	1134.0	1212.8	1291.6	1370.4	1449.2	1528.0	4.0	12.0	8.0	24.0	12.0	8.0	8.0	16.0	4.0	4.0
HA08026	361.0	409.5	458.0	506.5	555.0	603.4	651.9	700.4	748.9	797.4	22.2	11.1	25.9	18.5	3.7	3.7	11.1	0.0	0.0	3.7
HA08027	146.4	176.0	205.5	235.0	264.6	294.1	323.6	353.1	382.7	412.2	3.5	0.0	28.5	7.1	14.2	17.8	3.5	7.1	10.7	7.1
HA08028	209.5	259.8	310.1	360.4	410.7	460.9	511.2	561.5	611.8	662.1	6.6	0.0	0.0	6.6	13.3	6.6	13.3	20.0	20.0	13.3
HA08029	178.5	237.5	296.4	355.4	414.3	473.2	532.2	591.1	650.1	709.0	13.3	13.3	26.6	13.3	10.0	10.0	10.0	0.0	0.0	3.3
HA08031	150.9	192.8	234.7	276.6	318.5	360.4	402.3	444.2	486.1	528.0	13.3	0.0	13.3	10.0	20.0	26.6	3.3	6.6	0.0	6.6
HA08032	164.4	226.6	288.7	350.9	413.0	475.1	537.3	599.4	661.6	723.7	3.7	11.1	7.4	7.4	25.9	14.8	7.4	7.4	11.1	3.7
HA08033	194.3	227.0	259.8	292.5	325.3	358.0	390.8	423.5	456.3	489.0	5.8	0.0	11.7	5.8	0.0	5.8	23.5	5.8	5.8	35.2
HA08035	321.4	365.7	410.0	454.3	498.6	542.8	587.1	631.4	675.7	720.0	37.5	6.2	12.5	6.2	0.0	25.0	0.0	0.0	0.0	12.5
HA08038	327.6	416.3	505.0	593.7	682.5	771.2	859.9	948.6	1037.3	1126.0	3.3	3.3	6.6	6.6	10.0	40.0	16.6	10.0	0.0	3.3
HA08041	599.4	691.4	783.5	875.5	967.6	1059.7	1151.7	1243.8	1335.8	1427.9	8.0	4.0	0.0	4.0	16.0	24.0	12.0	4.0	20.0	8.0
HA08043	397.0	454.9	512.7	570.6	628.5	686.4	744.3	802.1	860.0	917.9	5.8	0.0	0.0	5.8	11.7	11.7	17.6	41.1	0.0	5.8
HA08044	237.9	258.7	279.6	300.5	321.4	342.2	363.1	384.0	404.8	425.7	16.6	4.1	20.8	4.1	4.1	20.8	8.3	12.5	0.0	8.3
HA08045	273.8	379.0	484.3	589.5	694.8	800.0	905.3	1010.5	1115.8	1221.0	3.3	0.0	13.3	10.0	16.6	13.3	23.3	3.3	10.0	6.6
HA08049	156.1	205.7	255.2	304.7	354.3	403.8	453.3	502.8	552.4	601.9	4.7	14.2	33.3	19.0	0.0	14.2	4.7	4.7	0.0	4.7
HA08052	171.6	207.3	242.9	278.5	314.2	349.8	385.4	421.0	456.7	492.3	23.5	11.7	29.4	0.0	11.7	5.8	5.8	5.8	0.0	5.8
HA08054	164.4	205.5	246.7	287.8	329.0	370.1	411.3	452.4	493.6	534.7	11.1	38.8	16.6	16.6	0.0	5.5	5.5	0.0	0.0	5.5
HA08055	577.3	696.6	815.9	935.2	1054.5	1173.8	1293.1	1412.4	1531.7	1651.0	7.4	3.7	11.1	7.4	22.2	18.5	7.4	3.7	7.4	11.1
HA08056	263.9	308.2	352.6	396.9	441.3	485.6	530.0	574.3	618.7	663.0	12.5	6.2	18.7	12.5	12.5	0.0	12.5	0.0	12.5	12.5
HA08057	230.1	282.1	334.2	386.2	438.3	490.3	542.4	594.4	646.4	698.5	3.8	3.8	15.3	11.5	11.5	26.9	7.6	11.5	0.0	7.6
HA08058	266.5	319.0	371.5	424.0	476.5	529.0	581.5	634.0	686.5	739.0	19.0	4.7	14.2	19.0	14.2	0.0	4.7	19.0	0.0	4.7
HA08059	166.4	208.6	250.9	293.1	335.3	377.5	419.7	462.0	504.2	546.4	4.1	4.1	8.3	29.1	20.8	4.1	4.1	4.1	8.3	12.5

Tabla C.50. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Chihuahua.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA08060	252.6	382.4	512.3	642.1	771.9	901.7	1031.5	1161.4	1291.2	1421.0	25.0	25.0	16.6	8.3	8.3	8.3	0.0	0.0	0.0	8.3
HA08062	162.7	210.2	257.6	305.1	352.6	400.1	447.6	495.0	542.5	590.0	17.3	4.3	8.6	17.3	17.3	4.3	8.6	13.0	4.3	4.3
HA08064	177.1	242.7	308.2	373.8	439.3	504.8	570.4	635.9	701.5	767.0	13.0	13.0	34.7	8.6	13.0	8.6	4.3	0.0	0.0	4.3
HA08066	202.7	234.3	265.8	297.3	328.8	360.4	391.9	423.4	455.0	486.5	3.5	14.2	10.7	7.1	28.5	3.5	10.7	10.7	3.5	7.1
HA08067	261.3	303.1	344.9	386.7	428.5	470.3	512.1	553.9	595.7	637.5	18.5	18.5	14.8	14.8	7.4	7.4	7.4	0.0	0.0	11.1
HA08068	231.8	277.6	323.5	369.3	415.1	460.9	506.7	552.6	598.4	644.2	5.8	5.8	5.8	23.5	5.8	11.7	5.8	0.0	23.5	11.7
HA08069	427.2	485.4	543.6	601.8	660.1	718.3	776.5	834.7	892.9	951.1	23.5	11.7	35.2	5.8	11.7	0.0	0.0	0.0	5.8	5.8
HA08071	371.1	458.7	546.3	633.9	721.5	809.1	896.7	984.3	1071.9	1159.5	3.3	3.3	3.3	10.0	26.6	16.6	20.0	6.6	3.3	6.6
HA08072	213.2	255.8	298.5	341.1	383.7	426.4	469.0	511.7	554.3	597.0	21.7	21.7	8.6	21.7	13.0	4.3	0.0	4.3	0.0	4.3
HA08073	827.5	911.3	995.2	1079.0	1162.9	1246.7	1330.6	1414.4	1498.3	1582.1	8.0	4.0	20.0	12.0	8.0	32.0	0.0	4.0	4.0	8.0
HA08074	326.3	381.9	437.5	493.1	548.8	604.4	660.0	715.6	771.2	826.8	3.3	3.3	6.6	13.3	10.0	16.6	10.0	10.0	16.6	10.0
HA08076	283.3	325.9	368.6	411.3	454.0	496.6	539.3	582.0	624.6	667.3	5.8	0.0	17.6	11.7	11.7	11.7	5.8	5.8	17.6	11.7
HA08077	227.9	293.7	359.6	425.5	491.4	557.2	623.1	689.0	754.8	820.7	47.8	15.7	15.7	10.5	5.2	0.0	0.0	0.0	0.0	5.2
HA08078	272.5	349.9	427.4	504.8	582.3	659.7	737.2	814.6	892.1	969.5	10.5	10.5	10.5	15.7	31.5	5.2	5.2	5.2	0.0	5.2
HA08080	158.6	195.1	231.7	268.2	304.8	341.4	377.9	414.5	451.0	487.6	4.5	0.0	4.5	4.5	36.3	4.5	13.6	18.1	4.5	9.0
HA08081	185.3	234.0	282.8	331.5	380.2	428.9	477.6	526.4	575.1	623.8	4.1	8.3	25.0	16.6	25.0	4.1	0.0	12.5	0.0	4.1
HA08083	159.0	196.0	233.0	270.0	307.0	344.0	381.0	418.0	455.0	492.0	11.7	0.0	5.8	5.8	11.7	11.7	11.7	11.7	11.7	17.6
HA08084	164.4	205.5	246.7	287.8	329.0	370.1	411.3	452.4	493.6	534.7	16.6	22.2	22.2	16.6	5.5	5.5	5.5	0.0	0.0	5.5
HA08085	168.1	203.6	239.2	274.7	310.3	345.9	381.4	417.0	452.5	488.1	4.3	8.6	17.3	13.0	8.6	4.3	8.6	0.0	13.0	21.7
HA08087	164.1	208.6	253.2	297.7	342.3	386.9	431.4	476.0	520.5	565.1	7.4	3.7	7.4	25.9	18.5	11.1	7.4	3.7	11.1	3.7
HA08090	265.3	309.1	352.9	396.7	440.5	484.2	528.0	571.8	615.6	659.4	4.1	0.0	8.3	8.3	25.0	16.6	12.5	16.6	0.0	8.3
HA08091	227.5	262.5	297.6	332.6	367.7	402.8	437.8	472.9	507.9	543.0	12.5	16.6	20.8	8.3	16.6	0.0	12.5	8.3	0.0	4.1
HA08092	212.9	241.6	270.4	299.1	327.9	356.7	385.4	414.2	442.9	471.7	12.5	4.1	29.1	4.1	12.5	0.0	8.3	4.1	20.8	4.1
HA08093	223.0	250.8	278.6	306.4	334.3	362.1	389.9	417.7	445.5	473.3	29.4	0.0	11.7	11.7	0.0	23.5	5.8	5.8	5.8	5.8
HA08095	166.5	206.0	245.5	285.0	324.5	364.0	403.5	443.0	482.5	522.0	7.4	7.4	14.8	25.9	14.8	11.1	7.4	3.7	0.0	7.4
HA08096	255.5	316.5	377.5	438.5	499.5	560.5	621.5	682.5	743.5	804.5	5.8	17.6	11.7	17.6	11.7	5.8	5.8	5.8	5.8	11.7
HA08097	500.1	563.5	626.8	690.2	753.6	817.0	880.4	943.7	1007.1	1070.5	7.4	25.9	7.4	7.4	18.5	7.4	7.4	7.4	3.7	7.4
HA08098	264.6	306.7	348.8	390.9	433.0	475.1	517.2	559.3	601.4	643.5	11.1	33.3	14.8	7.4	14.8	7.4	3.7	3.7	0.0	3.7
HA08099	403.9	461.3	518.7	576.1	633.5	690.9	748.3	805.7	863.1	920.5	8.3	12.5	4.1	16.6	25.0	16.6	4.1	0.0	0.0	12.5
HA08100	166.3	214.5	262.8	311.0	359.3	407.5	455.8	504.0	552.3	600.5	11.1	11.1	7.4	14.8	22.2	11.1	11.1	0.0	0.0	11.1
HA08102	186.7	218.8	251.0	283.1	315.3	347.4	379.6	411.7	443.8	476.0	16.6	13.3	3.3	13.3	10.0	3.3	16.6	0.0	3.3	20.0
HA08103	207.2	296.8	386.5	476.1	565.8	655.4	745.1	834.7	924.3	1014.0	3.7	0.0	0.0	11.1	11.1	18.5	14.8	14.8	11.1	14.8
HA08104	273.0	320.5	368.0	415.5	463.0	510.5	558.0	605.5	653.0	700.5	11.1	0.0	22.2	22.2	11.1	11.1	0.0	0.0	5.5	5.5
HA08106	197.4	267.3	337.2	407.1	477.0	546.9	616.8	686.7	756.6	826.5	3.3	3.3	0.0	0.0	16.6	10.0	26.6	10.0	10.0	20.0
HA08108	207.7	244.8	282.0	319.1	356.2	393.4	430.5	467.7	504.8	542.0	12.5	8.3	8.3	12.5	8.3	12.5	12.5	4.1	8.3	12.5
HA08109	287.8	331.8	375.8	419.8	463.8	507.7	551.7	595.7	639.7	683.7	13.0	4.3	26.0	8.6	17.3	8.6	8.6	8.6	0.0	4.3
HA08110	151.0	181.0	211.0	241.0	271.0	301.0	331.0	361.0	391.0	421.0	11.1	0.0	7.4	14.8	25.9	14.8	7.4	7.4	0.0	11.1
HA08111	192.0	236.1	280.2	324.4	368.5	412.7	456.8	501.0	545.1	589.3	16.6	4.1	20.8	25.0	4.1	0.0	8.3	8.3	4.1	8.3

Tabla C.50. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Chihuahua.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA08112	228.9	292.5	356.2	419.8	483.4	547.1	610.7	674.4	738.0	801.7	13.3	16.6	13.3	20.0	13.3	13.3	6.6	0.0	0.0	3.3
HA08113	225.0	284.1	343.1	402.1	461.1	520.2	579.2	638.2	697.3	756.3	11.1	3.7	11.1	11.1	22.2	14.8	11.1	7.4	3.7	3.7
HA08114	222.6	278.8	334.9	391.1	447.2	503.3	559.5	615.6	671.8	727.9	5.2	15.7	10.5	26.3	10.5	5.2	5.2	10.5	5.2	5.2
HA08115	254.3	276.5	298.8	321.0	343.3	365.5	387.8	410.0	432.3	454.5	33.3	13.3	13.3	6.6	0.0	13.3	6.6	0.0	0.0	13.3
HA08117	382.5	480.1	577.6	675.2	772.7	870.2	967.8	1065.3	1162.9	1260.4	5.5	0.0	5.5	5.5	11.1	22.2	22.2	5.5	11.1	11.1
HA08118	168.5	206.5	244.5	282.5	320.5	358.5	396.5	434.5	472.5	510.5	22.2	3.7	14.8	18.5	3.7	11.1	14.8	7.4	0.0	3.7
HA08121	166.8	217.1	267.4	317.7	368.0	418.3	468.6	518.9	569.2	619.5	17.2	21.5	13.7	20.6	6.8	3.4	6.8	0.0	0.0	3.4
HA08122	155.6	199.2	242.8	286.4	330.0	373.6	417.2	460.8	504.4	548.0	4.3	8.6	4.3	17.3	13.0	30.4	0.0	8.6	4.3	8.6
HA08123	320.2	401.8	483.5	565.2	646.9	728.5	810.2	891.9	973.5	1055.2	19.0	15.0	33.3	9.5	0.0	4.7	4.7	4.7	0.0	4.7
HA08124	473.2	520.1	567.1	614.0	661.0	708.0	754.9	801.9	848.8	895.8	20.0	5.0	15.0	15.0	15.0	5.0	0.0	5.0	5.0	15.0
HA08125	428.4	516.8	605.2	693.6	782.0	870.4	958.8	1047.2	1135.6	1224.0	7.4	3.7	18.5	11.1	22.2	11.1	7.4	7.4	7.4	3.7
HA08126	396.0	457.4	518.9	580.3	641.8	703.2	764.7	826.1	887.6	949.0	5.2	0.0	15.7	10.5	15.7	0.0	10.5	21.0	15.7	5.2
HA08129	257.9	298.7	339.5	380.3	421.1	461.8	502.6	543.4	584.2	625.0	11.1	22.2	11.1	14.8	11.1	18.5	0.0	3.7	3.7	3.7
HA08131	242.5	277.8	313.0	348.3	383.6	418.9	454.2	489.4	524.7	560.0	10.0	20.0	10.0	0.0	10.0	20.0	10.0	0.0	10.0	10.0
HA08133	166.7	201.9	237.2	272.4	307.7	343.0	378.2	413.5	448.7	484.0	8.3	33.3	0.0	16.6	16.6	0.0	0.0	8.3	8.3	8.3
HA08135	205.3	235.9	266.4	297.0	327.5	358.0	388.6	419.1	449.7	480.2	4.3	0.0	8.6	8.6	13.0	13.0	26.0	13.0	4.3	8.6
HA08136	318.0	359.9	401.9	443.8	485.7	527.7	569.7	611.6	653.6	695.5	17.6	17.6	11.7	11.7	23.5	0.0	0.0	5.8	0.0	11.7
HA08138	318.6	404.1	489.6	575.1	660.6	746.0	831.5	917.0	1002.5	1088.0	26.0	8.6	21.7	13.0	21.7	0.0	0.0	4.3	0.0	4.3
HA08139	199.3	243.5	287.8	332.0	376.3	420.5	464.8	509.0	553.3	597.5	4.7	9.5	9.5	28.5	9.5	14.2	4.7	9.5	0.0	9.5
HA08141	355.7	451.5	547.3	643.1	738.9	834.8	930.6	1026.4	1122.2	1218.0	13.7	17.2	31.0	17.2	0.0	6.8	10.3	0.0	0.0	3.4
HA08144	227.2	277.4	327.6	377.8	428.0	478.2	528.4	578.6	628.8	679.0	5.2	0.0	10.5	0.0	21.0	26.3	5.2	10.5	10.5	10.5
HA08146	624.5	714.9	805.4	895.8	986.3	1076.7	1167.2	1257.6	1348.1	1438.5	3.7	7.4	14.8	22.2	14.8	3.7	14.8	7.4	3.7	7.4
HA08148	542.3	586.6	631.0	675.3	719.7	764.1	808.4	852.8	897.1	941.5	4.0	4.0	4.0	12.0	16.0	12.0	12.0	8.0	20.0	8.0
HA08149	470.9	579.8	688.7	797.6	906.5	1015.4	1124.3	1233.2	1342.1	1451.0	6.2	12.5	31.2	25.0	0.0	6.2	6.2	0.0	6.2	6.2
HA08151	298.5	351.9	405.4	458.8	512.3	565.7	619.2	672.6	726.1	779.5	15.3	15.3	11.5	19.2	11.5	11.5	11.5	0.0	0.0	3.8
HA08152	276.1	331.2	386.2	441.3	496.4	551.5	606.6	661.6	716.7	771.8	12.5	0.0	18.7	18.7	6.2	18.7	6.2	6.2	6.2	6.2
HA08154	257.0	301.8	346.5	391.3	436.1	480.9	525.7	570.4	615.2	660.0	8.0	16.0	8.0	32.0	4.0	12.0	4.0	0.0	4.0	12.0
HA08156	202.7	287.0	371.3	455.6	539.8	624.1	708.4	792.7	877.0	961.3	8.3	8.3	4.1	25.0	12.5	12.5	16.6	0.0	4.1	8.3
HA08157	236.4	287.8	339.2	390.6	442.0	493.4	544.8	596.2	647.6	699.0	18.5	29.6	7.4	18.5	7.4	3.7	3.7	0.0	3.7	0.0
HA08158	235.3	272.0	308.8	345.5	382.3	419.0	455.8	492.5	529.3	566.0	8.6	17.3	8.6	13.0	8.6	13.0	8.6	8.6	4.3	8.6
HA08159	189.9	218.2	246.4	274.6	302.9	331.1	359.3	387.5	415.8	444.0	6.6	13.3	6.6	13.3	0.0	13.3	13.3	6.6	20.0	6.6
HA08160	652.3	717.6	782.9	848.2	913.5	978.8	1044.1	1109.4	1174.7	1240.0	5.8	35.2	11.7	17.6	11.7	11.7	0.0	0.0	0.0	5.8
HA08161	447.8	509.0	570.1	631.3	692.4	753.5	814.7	875.8	937.0	998.1	6.6	10.0	13.3	20.0	30.0	10.0	6.6	0.0	0.0	3.3
HA08162	221.1	261.9	302.8	343.6	384.4	425.2	466.0	506.9	547.7	588.5	3.7	11.1	11.1	14.8	18.5	11.1	14.8	3.7	3.7	7.4
HA08164	263.9	301.0	338.0	375.1	412.2	449.3	486.4	523.4	560.5	597.6	25.0	12.5	31.2	0.0	0.0	6.2	12.5	6.2	0.0	6.2
HA08165	289.4	324.0	358.7	393.3	427.9	462.6	497.2	531.9	566.5	601.2	25.0	0.0	8.3	0.0	16.6	16.6	16.6	0.0	0.0	16.6
HA08167	622.1	721.9	821.6	921.4	1021.2	1121.0	1220.8	1320.5	1420.3	1520.1	9.5	9.5	19.0	4.7	9.5	14.2	19.0	4.7	0.0	9.5
HA08169	292.1	357.1	422.2	487.2	552.3	617.3	682.3	747.4	812.4	877.5	18.7	18.7	18.7	6.2	18.7	0.0	0.0	6.2	6.2	6.2

Tabla C.50. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Chihuahua.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA08171	225.1	275.9	326.7	377.5	428.4	479.2	530.0	580.8	631.6	682.4	18.1	4.5	9.0	31.8	4.5	9.0	13.6	4.5	0.0	4.5
HA08172	922.6	997.1	1071.5	1145.9	1220.4	1294.8	1369.2	1443.6	1518.1	1592.5	15.7	15.7	10.5	10.5	21.0	15.7	0.0	5.2	0.0	5.2
HA08173	157.7	206.3	255.0	303.6	352.3	400.9	449.6	498.2	546.8	595.5	6.2	0.0	0.0	6.2	12.5	18.7	18.7	12.5	12.5	12.5
HA08176	146.6	182.2	217.8	253.4	289.0	324.6	360.2	395.8	431.4	467.0	4.3	8.6	0.0	13.0	17.3	17.3	4.3	13.0	13.0	8.6
HA08179	162.5	187.2	212.0	236.7	261.4	286.1	310.8	335.6	360.3	385.0	7.6	7.6	15.3	7.6	15.3	7.6	0.0	7.6	0.0	30.7
HA08180	247.0	320.5	394.0	467.5	541.0	614.5	688.0	761.5	835.0	908.5	18.7	6.2	37.5	18.7	0.0	12.5	0.0	0.0	0.0	6.2
HA08182	413.5	491.1	568.7	646.3	724.0	801.6	879.2	956.8	1034.4	1112.0	12.5	0.0	0.0	12.5	25.0	12.5	0.0	18.7	12.5	6.2
HA08184	178.4	216.4	254.5	292.6	330.7	368.7	406.8	444.9	482.9	521.0	13.0	4.3	8.6	21.7	8.6	4.3	21.7	13.0	0.0	4.3
HA08188	312.6	351.1	389.7	428.2	466.8	505.3	543.9	582.4	620.9	659.5	6.2	6.2	0.0	31.2	12.5	18.7	0.0	0.0	6.2	18.7
HA08191	662.7	711.2	759.7	808.3	856.8	905.4	953.9	1002.5	1051.1	1099.6	10.5	0.0	15.7	36.8	15.7	0.0	0.0	0.0	10.5	10.5
HA08192	665.6	717.9	770.3	822.7	875.1	927.4	979.8	1032.2	1084.5	1136.9	11.1	11.1	22.2	22.2	5.5	5.5	5.5	11.1	0.0	5.5
HA08199	200.6	236.8	272.9	309.0	345.2	381.3	417.4	453.5	489.7	525.8	17.6	11.7	17.6	17.6	5.8	23.5	0.0	0.0	0.0	5.8
HA08202	221.6	267.7	313.8	359.9	405.9	452.0	498.1	544.2	590.3	636.4	12.5	12.5	25.0	12.5	20.8	4.1	4.1	4.1	0.0	4.1
HA08210	174.1	209.2	244.3	279.4	314.5	349.6	384.7	419.8	454.9	490.0	7.4	3.7	25.9	14.8	14.8	11.1	3.7	14.8	0.0	3.7
HA08211	231.3	279.3	327.3	375.3	423.3	471.2	519.2	567.2	615.2	663.2	25.0	0.0	8.3	25.0	8.3	16.6	8.3	0.0	0.0	8.3
HA08212	192.7	251.9	311.0	370.2	429.3	488.4	547.6	606.7	665.9	725.0	18.7	0.0	25.0	25.0	12.5	0.0	6.2	0.0	6.2	6.2
HA08213	143.5	168.6	193.7	218.8	244.0	269.1	294.2	319.3	344.4	369.5	13.3	20.0	6.6	6.6	20.0	6.6	13.3	0.0	6.6	6.6
HA08214	156.8	264.1	371.4	478.7	586.0	693.3	800.6	907.9	1015.2	1122.5	5.5	0.0	0.0	0.0	0.0	33.3	38.8	11.1	5.5	5.5
HA08216	281.6	309.0	336.5	363.9	391.4	418.8	446.2	473.7	501.1	528.6	8.3	0.0	16.6	0.0	16.6	16.6	0.0	8.3	0.0	33.3
HA08219	469.1	505.2	541.3	577.4	613.5	649.6	685.7	721.8	757.9	794.0	16.6	0.0	33.3	8.3	0.0	16.6	8.3	0.0	8.3	8.3
HA08241	150.5	181.5	212.5	243.5	274.5	305.5	336.5	367.5	398.5	429.5	9.0	18.1	18.1	0.0	18.1	0.0	0.0	9.0	9.0	18.1
HA08243	347.0	382.5	417.9	453.4	488.9	524.4	559.9	595.3	630.8	666.3	9.0	18.1	18.1	9.0	9.0	18.1	0.0	9.0	0.0	9.0
HA08248	166.0	217.8	269.7	321.5	373.3	425.1	476.9	528.8	580.6	632.4	6.6	0.0	0.0	0.0	20.0	26.6	20.0	13.3	6.6	6.6
HA08251	209.5	258.4	307.2	356.0	404.8	453.7	502.5	551.3	600.2	649.0	7.1	14.2	14.2	7.1	14.2	7.1	7.1	21.4	0.0	7.1
HA08254	212.1	243.6	275.0	306.5	337.9	369.3	400.8	432.2	463.7	495.1	20.0	10.0	10.0	20.0	0.0	0.0	30.0	0.0	0.0	10.0
HA08258	347.0	395.4	443.9	492.3	540.8	589.3	637.7	686.2	734.6	783.1	7.1	0.0	0.0	7.1	28.5	21.4	14.2	14.2	0.0	7.1
HA08259	567.6	632.9	698.2	763.5	828.7	894.0	959.3	1024.6	1089.9	1155.2	10.0	10.0	30.0	20.0	10.0	10.0	0.0	0.0	0.0	10.0
HA08260	289.9	344.2	398.6	452.9	507.3	561.6	616.0	670.3	724.7	779.0	20.0	10.0	20.0	10.0	30.0	0.0	0.0	0.0	0.0	10.0
HA08262	184.8	211.7	238.5	265.3	292.2	319.0	345.8	372.6	399.5	426.3	54.5	9.0	0.0	18.1	9.0	0.0	0.0	0.0	0.0	9.0
HA08271	566.1	601.3	636.5	671.7	707.0	742.2	777.4	812.6	847.8	883.0	16.6	0.0	8.3	16.6	16.6	8.3	8.3	0.0	8.3	16.6
HA08277	634.3	714.1	793.9	873.7	953.5	1033.3	1113.1	1192.9	1272.7	1352.5	23.0	0.0	7.6	7.6	15.3	23.0	0.0	7.6	0.0	15.3
HA08278	269.8	319.6	369.4	419.2	469.0	518.8	568.6	618.4	668.2	718.0	23.0	7.6	0.0	0.0	23.0	23.0	15.3	0.0	0.0	7.6
HA08298	209.4	247.3	285.2	323.1	361.0	398.9	436.8	474.7	512.6	550.5	27.2	27.2	9.0	27.2	0.0	0.0	0.0	0.0	0.0	9.0
HA08304	202.4	232.3	262.2	292.1	322.0	351.9	381.8	411.7	441.6	471.5	18.1	0.0	9.0	9.0	18.1	0.0	0.0	9.0	27.2	9.0
HA08332	288.5	363.8	439.0	514.3	589.6	664.9	740.2	815.4	890.7	966.0	9.0	0.0	0.0	0.0	9.0	18.1	27.2	18.1	18.1	18.1

Tabla C.50. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Chihuahua.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica		
	Periodicidad	DevStd	PerS	Duración	DevStd	DS	Severidad	DevStd	SS	Intensidad			% de IS	lluvia disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s	H _p disp S(mm)	H _p disp S(mm)				
HA08001	4.3	1.7	2.2	1.7	184.2	218.3	83.7	32.0	177.1	4.1	MUY CRITICA			
HA08002	5.0	2.0	3.6	1.6	282.1	201.0	78.3	34.0	147.6	2.7	CATASTROFICA			
HA08003	4.4	0.7	2.0	1.1	378.0	314.2	189.0	16.0	924.8	5.2	MUY SEVERA			
HA08005	3.7	1.8	2.0	1.5	200.4	162.7	100.1	21.0	361.6	3.4	MUY VASTA			
HA08006	2.9	0.8	2.3	1.7	126.7	102.6	55.0	28.0	141.1	2.4	MUY VASTA			
HA08007	4.3	1.3	2.1	1.3	169.1	150.6	80.5	13.0	538.3	4.2	MUY SEVERA			
HA08008	6.5	3.5	3.2	2.7	236.5	232.7	73.9	13.0	463.5	3.9	EXTREMADAMENTE SEVERA			
HA08009	2.7	1.1	1.6	1.1	188.9	108.4	118.0	22.0	396.1	3.2	VASTA			
HA08010	2.8	0.8	1.5	0.5	89.3	45.7	59.5	20.0	233.0	3.9	SEVERA			
HA08011	4.3	2.6	1.7	0.4	146.2	112.7	86.0	23.0	286.2	5.3	VASTA			
HA08013	7.5	0.5	3.6	2.0	344.2	211.3	95.6	27.0	252.7	1.6	EXTREMADAMENTE VASTA			
HA08014	4.0	1.0	1.5	0.4	148.0	82.2	98.6	30.0	223.4	5.9	VASTA			
HA08016	3.2	1.6	1.9	1.5	301.6	228.6	158.7	20.0	630.8	4.5	SEVERA			
HA08017	2.3	0.4	1.1	0.3	92.6	63.2	84.1	30.0	195.3	5.7	VASTA			
HA08019	4.2	1.5	2.0	0.8	170.0	99.3	85.0	27.0	219.3	3.5	MUY VASTA			
HA08021	5.2	1.7	2.3	1.4	260.7	276.1	113.3	21.0	409.7	4.2	MUY VASTA			
HA08022	3.2	0.8	1.7	0.9	254.1	165.1	149.4	13.0	955.9	4.4	SEVERA			
HA08026	3.2	1.4	1.8	1.3	129.0	127.0	71.6	15.0	388.5	3.7	SEVERA			
HA08027	5.2	1.5	2.5	1.7	147.4	100.6	58.9	22.0	203.8	3.9	MUY VASTA			
HA08028	3.3	0.9	1.7	0.8	187.6	146.2	110.3	22.0	375.2	5.6	VASTA			
HA08029	3.3	1.3	2.0	0.9	171.5	103.0	85.7	26.0	236.8	3.6	MUY VASTA			
HA08031	3.2	1.4	1.7	1.0	143.4	130.2	84.3	28.0	212.3	6.5	VASTA			
HA08032	3.7	1.8	1.8	1.2	202.9	201.5	112.7	27.0	302.4	4.7	VASTA			
HA08033	3.1	0.9	1.5	0.7	113.8	111.9	75.8	20.0	299.8	4.2	SEVERA			
HA08035	3.5	1.5	2.0	1.2	188.9	91.2	94.4	22.0	330.4	3.3	MUY VASTA			
HA08038	6.5	3.0	1.7	1.1	361.9	236.0	212.8	29.0	497.1	9.9	VASTA			
HA08041	4.7	2.0	2.1	2.1	376.3	191.9	179.1	17.0	870.7	5.2	MUY SEVERA			
HA08043	3.3	0.9	1.7	0.4	195.4	178.0	114.9	16.0	584.4	10.3	SEVERA			
HA08044	2.8	0.6	1.5	0.7	88.1	52.4	58.7	19.0	248.2	5.0	SEVERA			
HA08045	4.4	1.8	2.5	2.1	483.0	667.3	193.1	26.0	546.1	5.2	MUY VASTA			
HA08049	3.6	1.3	2.3	1.3	145.6	90.9	63.3	22.0	222.6	3.7	MUY VASTA			
HA08052	8.0	2.0	3.6	2.0	208.3	155.6	57.8	22.0	196.5	3.1	EXTREMADAMENTE VASTA			
HA08054	3.5	1.1	2.3	1.0	124.0	77.2	53.9	22.0	186.7	3.2	MUY VASTA			
HA08055	4.2	1.5	2.3	1.1	558.5	289.5	242.8	22.0	826.2	5.3	MUY VASTA			
HA08056	3.2	0.8	2.0	0.8	171.4	144.9	85.6	20.0	331.9	3.7	MUY SEVERA			
HA08057	3.2	1.1	1.5	0.7	153.2	103.6	102.1	23.0	337.0	5.7	VASTA			
HA08058	2.8	1.2	1.7	1.1	177.6	133.6	104.4	24.0	322.7	4.2	VASTA			
HA08059	3.1	1.8	2.0	1.5	131.1	105.2	65.5	19.0	266.4	3.4	MUY SEVERA			

Tabla C.51. Características de la sequía promedio de cada estación climatológica del estado de Chihuahua.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica		
	Periodicidad	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS	Intensidad			% de IS	Iluvia disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	Hp disp S(mm)	Hp disp S(mm)			Hp disp S(mm)	
HA08060	5.0	2.0	2.6	0.9	498.3	367.5	191.6	39.0	299.6	3.3	MUY CRITICA			
HA08062	3.1	0.9	1.7	1.0	151.5	86.9	89.1	27.0	290.8	4.1	VASTA			
HA08064	6.6	5.9	3.5	3.2	310.8	306.3	88.8	27.0	284.6	3.5	EXTREMADAMENTE VASTA			
HA08066	2.8	1.0	1.5	0.6	97.8	37.5	65.1	20.0	252.5	5.1	SEVERA			
HA08067	3.7	1.3	2.2	1.3	157.3	120.1	71.5	19.0	295.5	3.4	MUY SEVERA			
HA08068	3.1	1.1	1.5	1.1	159.9	132.5	106.5	24.0	301.0	4.1	VASTA			
HA08069	5.3	1.8	3.0	1.4	238.7	63.5	79.5	14.0	461.0	3.3	EXTREMADAMENTE SEVERA			
HA08071	4.2	1.4	2.3	1.7	364.2	336.2	158.3	21.0	509.4	5.5	MUY VASTA			
HA08072	6.3	0.4	3.0	0.7	228.6	49.1	76.1	25.0	216.7	3.0	EXTREMADAMENTE VASTA			
HA08073	2.8	1.3	1.3	0.6	230.7	233.9	177.4	15.0	944.1	5.6	SEVERA			
HA08074	4.6	1.8	2.2	1.2	250.3	216.3	113.7	19.0	419.0	4.8	MUY SEVERA			
HA08076	2.5	0.7	1.4	0.7	124.5	91.6	88.9	18.0	362.1	4.1	SEVERA			
HA08077	3.3	1.4	2.0	1.5	160.9	118.2	80.4	26.0	218.4	2.0	MUY VASTA			
HA08078	2.4	0.7	1.1	0.3	166.0	96.5	150.9	30.0	351.1	5.1	VASTA			
HA08080	5.3	1.2	2.7	2.0	180.8	208.3	66.9	20.0	265.6	10.9	MUY SEVERA			
HA08081	4.0	2.0	2.3	1.7	166.4	155.4	72.3	21.0	259.7	4.4	MUY VASTA			
HA08083	3.3	1.2	2.0	1.2	191.3	118.3	95.6	27.0	248.3	2.2	MUY VASTA			
HA08084	4.6	1.2	2.7	0.8	161.1	91.0	59.6	24.0	184.9	4.0	MUY VASTA			
HA08085	4.2	2.3	2.1	1.4	190.4	112.4	90.6	27.0	235.5	4.4	MUY VASTA			
HA08087	4.3	1.8	2.2	1.3	157.5	169.7	71.5	21.0	254.0	4.9	MUY VASTA			
HA08090	3.6	0.8	2.3	0.9	151.3	142.4	65.7	14.0	392.5	4.2	MUY SEVERA			
HA08091	2.7	0.6	1.7	0.6	110.6	65.5	65.0	20.0	257.9	3.8	SEVERA			
HA08092	4.2	2.3	2.3	2.1	147.4	143.3	64.0	20.0	251.1	4.1	MUY SEVERA			
HA08093	4.6	0.9	2.2	1.2	157.3	110.9	71.5	23.0	234.3	4.0	MUY VASTA			
HA08095	4.3	3.0	2.2	1.7	135.5	133.0	61.5	21.0	230.3	4.7	MUY VASTA			
HA08096	3.1	1.1	1.6	1.1	208.8	206.9	130.5	27.0	341.0	4.4	VASTA			
HA08097	6.5	2.5	2.8	2.2	388.7	430.6	138.8	19.0	562.3	2.9	MUY SEVERA			
HA08098	2.8	0.9	2.0	1.8	135.7	121.8	67.8	18.0	280.5	3.5	MUY SEVERA			
HA08099	3.8	1.4	2.1	1.3	217.8	177.5	103.7	17.0	500.5	4.5	MUY SEVERA			
HA08100	3.4	1.9	1.8	1.6	165.6	81.5	92.0	28.0	232.9	4.5	VASTA			
HA08102	3.9	2.3	2.0	1.9	176.9	196.5	88.4	28.0	214.9	4.2	MUY VASTA			
HA08103	3.7	1.0	1.7	0.8	271.3	235.3	159.5	23.0	532.2	5.0	VASTA			
HA08104	2.6	0.9	1.4	0.7	118.1	109.0	84.3	19.0	343.5	4.4	SEVERA			
HA08106	3.8	1.6	2.0	1.0	228.8	224.6	114.4	19.0	468.8	3.7	MUY SEVERA			
HA08108	5.2	1.9	2.3	1.4	221.1	150.3	96.1	27.0	255.5	4.8	MUY VASTA			
HA08109	4.4	1.6	2.1	1.4	165.4	129.2	78.7	18.0	346.2	4.2	MUY SEVERA			
HA08110	3.7	1.8	1.8	1.2	94.9	110.0	52.7	19.0	211.2	4.7	SEVERA			
HA08111	3.0	0.9	2.0	0.8	147.5	105.2	73.7	22.0	254.8	3.7	MUY VASTA			

Tabla C.51. Características de la sequía promedio de cada estación climatológica del estado de Chihuahua.

Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
Estación	Periodicidad PerS(años)	DesvStd PerS(años)	Duración DS(años)	DesvStd DS(años)	Severidad SS(mm)	DesvStd SS(mm)	Intensidad IS(mm/año)	% de IS respecto a X _s	lluvia disponible Hp disp S(mm)		
HA08112	4.3	1.3	2.1	0.9	238.7	138.0	113.6	29.0	269.4	3.4	MUY VASTA
HA08113	4.2	1.4	2.1	1.0	248.7	128.7	118.4	27.0	316.4	5.0	MUY VASTA
HA08114	3.0	1.1	1.7	1.1	161.9	154.7	95.2	23.0	315.6	3.6	VASTA
HA08115	3.2	0.8	1.7	0.7	92.7	35.2	54.5	17.0	252.0	4.0	SEVERA
HA08117	5.3	0.4	2.0	0.5	407.2	281.6	203.6	23.0	654.9	6.4	MUY VASTA
HA08118	4.7	1.9	2.3	1.5	186.7	133.1	81.1	29.0	195.5	4.5	MUY VASTA
HA08121	2.8	1.3	1.6	1.2	116.8	114.6	73.0	28.0	185.9	5.5	VASTA
HA08122	5.2	2.2	2.2	0.9	192.8	139.5	87.6	26.0	246.3	5.6	MUY VASTA
HA08123	4.5	2.0	3.0	1.6	306.3	178.5	102.0	21.0	374.8	3.3	EXTREMADAMENTE VASTA
HA08124	3.1	0.6	1.7	0.8	167.3	97.4	98.4	15.0	527.9	4.3	SEVERA
HA08125	4.3	3.1	2.2	2.3	334.7	410.7	152.1	20.0	588.1	4.6	MUY SEVERA
HA08126	7.5	3.5	3.0	1.6	452.6	345.3	150.8	22.0	528.6	5.0	EXTREMADAMENTE VASTA
HA08129	3.7	2.2	1.8	1.0	134.8	70.9	74.8	20.0	290.9	3.8	SEVERA
HA08131	5.0	0.0	2.0	0.5	237.7	34.3	118.8	32.0	250.1	6.5	MUY CRITICA
HA08133	3.5	1.5	2.0	0.8	178.2	54.0	89.0	32.0	182.7	3.1	MUY CRITICA
HA08135	4.0	0.8	1.8	1.0	99.9	83.2	55.5	15.0	297.3	5.9	SEVERA
HA08136	3.0	1.0	1.6	1.1	140.2	132.5	87.6	20.0	343.1	3.0	SEVERA
HA08138	4.2	2.2	2.1	1.4	299.6	253.8	142.6	29.0	339.4	4.6	MUY VASTA
HA08139	2.8	1.1	1.6	1.1	118.4	148.9	74.0	20.0	279.0	4.2	SEVERA
HA08141	3.8	2.1	2.5	1.9	300.6	213.6	120.2	21.0	430.2	3.9	MUY VASTA
HA08144	2.5	0.9	1.5	0.8	114.0	86.4	76.0	16.0	388.0	9.1	SEVERA
HA08146	4.7	2.4	2.5	1.1	419.3	268.1	167.7	17.0	779.1	4.3	MUY SEVERA
HA08148	3.6	1.2	1.8	0.8	165.7	152.1	92.0	12.0	660.5	4.8	SEVERA
HA08149	4.0	0.8	3.0	1.2	414.1	68.1	138.0	17.0	633.4	3.2	EXTREMADAMENTE SEVERA
HA08151	3.2	1.1	1.8	0.9	163.5	131.6	90.8	20.0	346.5	3.9	SEVERA
HA08152	3.0	0.7	1.7	0.7	194.5	168.8	114.4	24.0	353.2	5.1	VASTA
HA08154	3.0	1.0	1.7	1.0	135.2	107.1	79.5	19.0	323.1	3.7	SEVERA
HA08156	4.5	1.5	2.7	1.1	414.9	260.0	153.6	30.0	354.9	4.2	MUY VASTA
HA08157	3.2	1.4	1.7	1.0	131.9	86.4	77.5	22.0	263.6	3.0	VASTA
HA08158	2.9	1.3	1.5	0.7	123.8	75.3	82.5	22.0	280.3	4.0	VASTA
HA08159	4.3	2.6	1.5	0.5	138.5	62.8	92.3	29.0	216.6	5.2	VASTA
HA08160	3.1	1.4	1.5	0.7	156.6	106.3	104.4	13.0	694.5	5.8	SEVERA
HA08161	5.0	2.0	2.5	1.5	239.6	190.6	95.8	15.0	533.0	4.4	MUY SEVERA
HA08162	3.0	1.1	1.5	0.6	122.1	84.3	81.4	21.0	289.4	4.9	VASTA
HA08164	3.5	1.5	2.2	1.4	136.9	97.4	62.2	17.0	294.4	3.4	MUY SEVERA
HA08165	2.3	0.4	1.5	0.5	130.4	104.6	86.9	21.0	326.6	4.7	VASTA
HA08167	4.5	2.5	2.1	1.6	489.9	311.5	233.2	24.0	732.6	3.8	MUY VASTA
HA08169	3.7	1.0	2.0	1.0	237.1	174.5	118.5	26.0	336.4	3.4	MUY VASTA

Tabla C.51. Características de la sequía promedio de cada estación climatológica del estado de Chihuahua.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica		
	Periodicidad	DevStd	PerS	Duración	DevStd	DS	Severidad	DevStd	SS	Intensidad			% de IS	Huvia disponible
	PerS(años)	(años)	(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	Hp disp S(mm)	Hp disp S(mm)				
HA08171	3.1	0.6	2.0	0.7	147.4	60.3	73.6	20.0	233.8	3.8	MUY SEVERA			
HA08172	4.5	2.1	1.9	0.8	272.3	246.1	143.3	12.0	960.9	3.8	SEVERA			
HA08173	7.0	1.0	2.3	1.2	249.0	159.7	108.2	26.0	301.4	6.7	MUY VASTA			
HA08176	3.9	0.6	2.0	1.0	147.9	131.7	73.9	24.0	233.0	4.5	MUY VASTA			
HA08179	3.3	0.9	1.7	0.8	118.7	67.9	69.8	25.0	199.3	4.1	VASTA			
HA08180	3.7	0.8	2.0	1.0	189.5	170.7	94.7	23.0	308.5	3.8	MUY VASTA			
HA08182	2.8	0.3	1.5	0.4	226.0	167.5	150.6	19.0	608.8	4.4	SEVERA			
HA08184	3.3	1.0	1.8	1.2	158.4	123.7	88.0	26.0	225.0	4.9	VASTA			
HA08188	3.0	1.0	1.5	0.5	114.4	63.4	76.2	16.0	389.6	4.5	SEVERA			
HA08191	3.6	1.3	2.1	1.4	153.6	113.4	73.1	8.0	754.3	1.7	MODERADA			
HA08192	3.3	1.0	2.0	1.1	161.6	103.3	80.8	9.0	734.6	3.4	MODERADA			
HA08199	2.6	1.4	1.5	1.3	77.5	96.4	51.6	17.0	230.3	3.9	SEVERA			
HA08202	3.5	1.3	2.1	0.9	135.1	97.8	64.3	19.0	270.3	3.6	MUY SEVERA			
HA08210	3.6	1.6	2.1	1.7	136.9	157.7	65.1	22.0	223.7	4.3	MUY VASTA			
HA08211	3.3	0.4	1.7	0.8	155.5	120.7	91.4	24.0	270.4	4.3	VASTA			
HA08212	2.3	0.4	2.7	2.4	243.1	169.6	90.0	25.0	254.7	5.5	MUY VASTA			
HA08213	3.2	1.6	1.3	0.4	87.5	26.4	67.3	30.0	152.1	5.2	VASTA			
HA08214	7.5	4.5	3.0	2.8	364.9	446.0	121.6	16.0	594.1	4.9	EXTREMADAMENTE SEVERA			
HA08216	2.0	0.5	1.3	0.8	88.6	111.8	68.1	16.0	346.2	4.1	SEVERA			
HA08219	3.5	1.5	2.3	1.2	175.2	103.5	76.1	12.0	509.4	4.2	MUY SEVERA			
HA08241	2.2	0.4	1.3	0.4	99.2	79.7	76.3	28.0	195.8	3.9	VASTA			
HA08243	4.5	1.5	2.0	0.8	160.2	124.1	80.0	17.0	376.5	2.0	MUY SEVERA			
HA08248	6.5	0.5	2.6	1.6	205.5	143.0	79.0	18.0	342.2	5.6	MUY SEVERA			
HA08251	3.2	1.0	1.5	0.8	161.9	147.5	107.9	27.0	279.8	4.2	VASTA			
HA08254	2.6	0.4	1.5	0.5	99.4	86.8	66.2	21.0	243.3	3.7	VASTA			
HA08258	4.5	0.5	2.6	0.9	193.6	61.6	74.4	13.0	488.5	5.3	MUY SEVERA			
HA08259	3.0	0.5	3.0	1.0	313.0	59.9	104.3	13.0	643.5	4.0	EXTREMADAMENTE SEVERA			
HA08260	2.3	0.4	1.5	0.5	140.7	66.0	93.8	22.0	329.8	3.3	VASTA			
HA08262	3.0	1.0	2.3	0.9	105.3	51.1	45.7	20.0	176.2	3.1	MUY SEVERA			
HA08271	2.7	0.4	1.3	0.4	110.9	65.5	85.3	12.0	619.1	4.9	SEVERA			
HA08277	2.9	0.8	1.5	0.5	304.3	268.9	202.8	22.0	708.9	5.5	VASTA			
HA08278	3.5	1.5	1.6	0.9	257.8	116.5	161.1	37.0	269.5	3.5	CRITICA			
HA08298	4.0	0.5	3.5	0.5	207.4	18.0	59.2	22.0	208.4	3.1	EXTREMADAMENTE VASTA			
HA08304	3.3	1.2	1.5	0.8	122.0	123.1	81.3	24.0	255.3	4.3	VASTA			
HA08332	2.0	0.5	1.3	0.4	242.3	205.9	186.3	24.0	560.4	7.6	VASTA			

Tabla C.51. Características de la sequía promedio de cada estación climatológica del estado de Chihuahua.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^m S ^m /D ^m	% de I ^m	Intensidad	Duración / máx	% de I ^m	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I ^m (mm/año)	respecto a X ₀	I máx(mm/año)	D / máx(años)	respecto a X ₀	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA08001	689.1	6.0	114.8	44.0	114.8	6.0	44.0	57.1	0.0	28.5	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA08002	558.8	6.0	93.1	41.0	100.1	2.0	44.0	0.0	33.3	33.3	0.0	0.0	33.3	0.0	0.0	0.0	0.0
HA08003	942.0	4.0	235.5	21.0	318.7	2.0	28.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA08005	481.4	5.0	96.2	20.0	171.7	1.0	37.0	62.5	12.5	0.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0
HA08006	309.0	6.0	51.5	26.0	71.1	2.0	36.0	50.0	16.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA08007	424.2	4.0	106.0	17.0	141.9	1.0	22.0	57.1	0.0	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0
HA08008	643.4	7.0	91.9	17.0	114.4	1.0	21.0	60.0	0.0	0.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0
HA08009	410.6	4.0	102.6	19.0	238.1	1.0	46.0	66.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA08010	202.0	2.0	101.0	34.0	106.7	1.0	36.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08011	334.5	2.0	167.2	44.0	167.2	2.0	44.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08013	634.6	6.0	105.7	30.0	137.8	1.0	39.0	33.3	0.0	0.0	33.3	0.0	33.3	0.0	0.0	0.0	0.0
HA08014	261.9	2.0	130.9	40.0	130.9	2.0	40.0	40.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08016	640.1	5.0	128.0	16.0	276.5	1.0	35.0	60.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA08017	170.4	1.0	170.4	60.0	170.4	1.0	60.0	83.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08019	351.4	3.0	117.1	38.0	187.6	1.0	61.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08021	864.0	5.0	172.8	33.0	178.0	1.0	34.0	50.0	0.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA08022	551.9	4.0	137.9	12.0	267.7	1.0	24.0	50.0	37.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA08026	400.1	5.0	80.0	17.0	147.8	1.0	32.0	66.6	0.0	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0
HA08027	339.1	6.0	56.5	21.0	68.0	2.0	25.0	33.3	33.3	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA08028	435.4	3.0	145.1	29.0	145.1	3.0	29.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08029	394.0	4.0	98.5	30.0	147.4	1.0	45.0	33.3	44.4	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA08031	453.2	4.0	113.3	38.0	161.6	1.0	54.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA08032	672.3	5.0	134.4	32.0	312.8	1.0	75.0	50.0	37.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0
HA08033	336.8	3.0	112.2	29.0	133.6	1.0	35.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08035	309.0	4.0	77.2	18.0	147.7	1.0	34.0	60.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08038	772.3	4.0	193.0	27.0	471.0	1.0	66.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08041	635.5	2.0	317.7	30.0	473.2	1.0	45.0	66.6	16.6	0.0	0.0	0.0	0.0	0.0	16.6	0.0	0.0
HA08043	501.9	2.0	250.9	35.0	250.9	2.0	35.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08044	152.4	2.0	76.2	24.0	89.9	1.0	29.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08045	1962.1	7.0	280.3	37.0	280.3	7.0	37.0	50.0	16.6	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
HA08049	308.3	5.0	61.6	21.0	97.2	2.0	33.0	33.3	33.3	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA08052	404.4	6.0	67.4	26.0	67.4	6.0	26.0	33.3	0.0	0.0	33.3	0.0	33.3	0.0	0.0	0.0	0.0
HA08054	272.5	4.0	68.1	28.0	68.1	4.0	28.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08055	950.8	4.0	237.7	22.0	608.5	1.0	56.0	33.3	16.6	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA08056	368.9	3.0	122.9	29.0	122.9	3.0	29.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08057	417.3	2.0	208.6	47.0	208.6	2.0	47.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08058	410.2	4.0	102.5	23.0	193.6	1.0	45.0	71.4	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA08059	357.0	4.0	89.2	26.0	153.9	1.0	46.0	62.5	12.5	0.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0

Tabla C.52. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Chihuahua.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^m S ^m / D ^m	% de I ^m	Intensidad	Duración / máx	% de I ^m	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I ^m (mm/año)	respecto a X ₀	I máx(mm/año)	D / máx(años)	respecto a X ₀	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA08060	973.9	4.0	243.5	49.0	243.5	4.0	49.0	0.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA08062	306.0	4.0	76.5	23.0	204.7	1.0	63.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA08064	839.3	9.0	93.2	28.0	149.9	1.0	46.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0
HA08066	154.7	2.0	77.3	24.0	146.4	1.0	46.0	55.5	33.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08067	381.5	5.0	76.3	20.0	112.5	1.0	30.0	50.0	0.0	37.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
HA08068	439.5	4.0	109.8	25.0	192.5	1.0	43.0	83.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA08069	299.9	5.0	59.9	11.0	133.5	1.0	24.0	25.0	0.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA08071	1012.7	6.0	168.7	22.0	190.9	3.0	25.0	50.0	16.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA08072	282.0	4.0	70.5	24.0	83.7	3.0	28.0	0.0	25.0	50.0	25.0	0.0	16.6	0.0	0.0	0.0	0.0
HA08073	853.1	3.0	284.3	25.0	319.5	1.0	28.0	77.7	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08074	755.0	5.0	151.0	25.0	224.4	1.0	37.0	28.5	42.8	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA08076	250.3	2.0	125.1	26.0	143.4	1.0	30.0	71.4	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08077	388.5	5.0	77.7	26.0	136.8	1.0	45.0	66.6	0.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA08078	307.0	1.0	307.0	61.0	307.0	1.0	61.0	87.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08080	537.3	6.0	89.5	26.0	89.5	6.0	26.0	50.0	0.0	25.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
HA08081	511.1	6.0	85.1	25.0	113.0	1.0	34.0	50.0	16.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA08083	372.2	4.0	93.0	27.0	221.9	1.0	64.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08084	318.1	4.0	79.5	32.0	79.5	4.0	32.0	0.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08085	356.4	5.0	71.2	21.0	162.3	2.0	49.0	50.0	16.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA08087	540.7	5.0	108.1	33.0	108.1	5.0	33.0	42.8	14.2	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA08090	454.7	3.0	151.5	33.0	151.5	3.0	33.0	16.6	50.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA08091	269.5	3.0	89.8	27.0	120.4	1.0	37.0	37.5	50.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08092	441.8	7.0	63.1	20.0	102.7	1.0	32.0	50.0	33.3	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0
HA08093	284.5	4.0	71.1	23.0	103.6	1.0	33.0	50.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08095	437.4	6.0	72.9	24.0	86.8	1.0	29.0	57.1	0.0	28.5	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA08096	648.9	4.0	162.2	34.0	210.5	1.0	44.0	66.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA08097	1199.8	7.0	171.4	24.0	171.4	7.0	24.0	40.0	20.0	20.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
HA08098	403.3	6.0	67.2	18.0	134.8	1.0	37.0	75.0	0.0	0.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0
HA08099	506.7	5.0	101.3	16.0	185.4	2.0	30.0	33.3	50.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA08100	333.2	6.0	55.5	17.0	206.9	1.0	63.0	62.5	25.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
HA08102	656.4	7.0	93.7	30.0	139.3	2.0	45.0	62.5	25.0	0.0	0.0	0.0	0.0	0.0	12.5	0.0	0.0
HA08103	644.3	3.0	214.7	30.0	575.2	1.0	83.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08104	305.4	3.0	101.8	23.0	131.3	2.0	30.0	71.4	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08106	748.7	3.0	249.5	42.0	249.5	3.0	42.0	37.5	37.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA08108	488.7	5.0	97.7	27.0	143.6	1.0	40.0	40.0	20.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA08109	432.3	5.0	86.4	20.0	181.1	1.0	42.0	50.0	16.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA08110	352.8	4.0	88.2	33.0	88.2	4.0	33.0	62.5	12.5	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08111	362.2	3.0	120.7	36.0	142.2	1.0	43.0	37.5	25.0	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.52. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Chihuahua.

Estación	Características máximas registradas de la sequía meteorológica						Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad	Duración	$I^* S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{I_{máx}}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA08112	529.3	3.0	176.4	46.0	176.4	3.0	46.0	28.5	42.8	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA08113	484.2	2.0	242.1	55.0	242.1	2.0	55.0	33.3	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA08114	443.8	4.0	110.9	26.0	151.0	1.0	36.0	71.4	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA08115	141.3	2.0	70.6	23.0	70.6	2.0	23.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08117	852.1	2.0	426.0	49.0	426.0	2.0	49.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08118	460.2	5.0	92.0	33.0	146.1	1.0	52.0	50.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0
HA08121	434.3	5.0	86.8	33.0	135.4	1.0	52.0	80.0	0.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
HA08122	449.2	4.0	112.3	33.0	112.3	4.0	33.0	20.0	60.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08123	550.2	5.0	110.0	23.0	156.7	2.0	32.0	20.0	40.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0
HA08124	327.6	2.0	163.8	26.0	180.6	1.0	28.0	57.1	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08125	1235.2	8.0	154.4	20.0	278.0	2.0	37.0	57.1	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08126	898.7	5.0	179.7	26.0	179.7	5.0	26.0	33.3	0.0	33.3	0.0	33.3	0.0	0.0	14.2	0.0	0.0
HA08129	248.2	4.0	62.0	16.0	148.6	1.0	40.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA08131	272.1	2.0	136.0	36.0	136.0	2.0	36.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08133	230.1	2.0	115.0	42.0	115.0	2.0	42.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08135	235.7	2.0	117.8	33.0	117.8	2.0	33.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA08136	433.9	4.0	108.4	25.0	108.4	4.0	25.0	66.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA08138	752.1	5.0	150.4	31.0	227.5	2.0	47.0	50.0	16.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA08139	492.5	4.0	123.1	34.0	123.1	4.0	34.0	75.0	0.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA08141	636.9	7.0	90.9	16.0	209.4	2.0	38.0	28.5	42.8	14.2	0.0	0.0	0.0	14.2	0.0	0.0	0.0
HA08144	287.0	1.0	287.0	61.0	287.0	1.0	61.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08146	913.1	4.0	228.2	24.0	228.2	4.0	24.0	33.3	0.0	50.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA08148	394.3	2.0	197.1	28.0	197.1	2.0	28.0	42.8	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08149	524.4	3.0	174.8	22.0	409.4	1.0	53.0	25.0	0.0	25.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08151	371.0	4.0	92.7	21.0	168.0	2.0	38.0	37.5	50.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA08152	474.4	2.0	237.2	50.0	237.2	2.0	50.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08154	333.1	4.0	83.2	20.0	133.1	1.0	33.0	55.5	22.2	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA08156	826.7	5.0	165.3	32.0	258.4	2.0	50.0	0.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA08157	334.7	4.0	83.6	24.0	121.1	1.0	35.0	55.5	22.2	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA08158	221.7	2.0	110.8	30.0	164.3	1.0	45.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08159	207.4	2.0	103.7	33.0	106.9	1.0	34.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08160	354.8	2.0	177.4	22.0	177.4	2.0	22.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08161	490.0	4.0	122.5	19.0	148.1	1.0	23.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08162	258.4	3.0	86.1	23.0	142.7	1.0	38.0	55.5	33.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08164	291.8	4.0	72.9	20.0	96.1	1.0	26.0	60.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08165	301.4	2.0	150.7	36.0	150.7	2.0	36.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08167	1026.8	5.0	205.3	21.0	328.3	1.0	33.0	60.0	0.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA08169	528.8	4.0	132.2	29.0	145.4	2.0	31.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.52. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Chihuahua.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de $I^* máx$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_c	$I^* máx(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA08171	214.8	2.0	107.4	29.0	130.4	1.0	35.0	28.5	42.8	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08172	745.7	3.0	248.5	22.0	248.5	3.0	22.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08173	442.8	2.0	221.4	54.0	221.4	2.0	54.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA08176	372.7	3.0	124.2	40.0	124.2	3.0	40.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08179	230.9	3.0	76.9	28.0	104.1	1.0	38.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08180	487.1	4.0	121.7	30.0	121.7	4.0	30.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08182	487.8	2.0	243.9	32.0	243.9	2.0	32.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08184	402.8	3.0	134.2	42.0	140.2	1.0	44.0	66.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA08188	211.2	2.0	105.6	22.0	191.8	1.0	41.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08191	329.3	5.0	65.8	7.0	171.7	1.0	20.0	50.0	16.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA08192	312.7	4.0	78.1	9.0	180.2	1.0	22.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA08199	293.4	5.0	58.6	20.0	125.4	1.0	43.0	85.7	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA08202	254.6	3.0	84.9	25.0	84.9	3.0	25.0	42.8	0.0	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08210	494.8	6.0	82.4	28.0	82.4	6.0	28.0	57.1	14.2	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA08211	346.6	3.0	115.5	31.0	172.1	1.0	46.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08212	524.3	7.0	74.9	21.0	193.2	1.0	55.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08213	129.5	2.0	64.7	29.0	73.5	1.0	33.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0
HA08214	995.3	7.0	142.1	19.0	142.1	7.0	19.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08218	304.5	3.0	101.5	24.0	101.5	3.0	24.0	80.0	0.0	20.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0
HA08219	303.8	4.0	75.9	12.0	85.7	2.0	14.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA08241	249.8	2.0	124.9	45.0	124.9	2.0	45.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08243	324.7	3.0	108.2	23.0	108.2	3.0	23.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08248	407.0	5.0	81.4	19.0	89.6	1.0	21.0	33.3	33.3	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0
HA08251	397.1	3.0	132.3	34.0	133.3	2.0	34.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08254	242.1	2.0	121.0	39.0	121.0	2.0	39.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08258	267.4	2.0	133.7	23.0	133.7	2.0	23.0	0.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA08259	372.9	2.0	186.5	24.0	186.5	2.0	24.0	0.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08260	242.3	2.0	121.1	28.0	154.6	1.0	36.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08262	164.9	3.0	54.9	24.0	54.9	3.0	24.0	33.3	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08271	221.4	2.0	110.7	15.0	141.4	1.0	20.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08277	661.1	2.0	330.5	36.0	330.5	2.0	36.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08278	419.8	3.0	139.9	32.0	203.1	1.0	47.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08298	225.5	3.0	75.1	28.0	75.1	3.0	28.0	0.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08304	331.3	3.0	110.4	32.0	110.4	3.0	32.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA08332	533.5	1.0	533.5	71.0	533.5	1.0	71.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.52. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Chihuahua.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años) primer	lluvia mínima registrada	Tr(años) para
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años			
	X _p (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)			
Ahumada	263.0	259.5	86.4	1.2	6.4	0.33	229.0	187.0	130.0	52.0	0.0	0.0	6.3	133.3	9.7
Aldama	313.8	303.2	110.9	0.9	4.0	0.35	304.0	236.0	193.0	151.0	95.0	53.0	12.1	136.5	25.3
Allende	406.1	403.1	104.0	0.4	3.4	0.26	395.0	315.0	266.0	218.0	153.0	101.0	10.4	220.2	19.3
Aquiles Serdán	313.8	303.2	110.9	0.9	4.0	0.35	304.0	236.0	193.0	151.0	95.0	53.0	12.1	136.5	25.3
Ascensión	266.4	250.6	81.0	1.0	4.5	0.30	247.0	209.0	184.0	159.0	122.0	88.0	9.9	150.7	24.8
Bachiniva	424.0	418.8	100.6	0.3	3.0	0.24	417.0	333.0	317.0	300.0	270.0	235.0	12.4	277.2	41.7
Balleza	455.2	416.1	141.7	1.2	4.9	0.31	410.0	346.0	303.0	253.0	163.0	70.0	7.6	258.5	18.7
Batopilas	597.3	604.7	125.1	0.2	2.7	0.21	595.0	516.0	468.0	422.0	364.0	320.0	20.0	377.2	40.5
Bocoyna	712.0	755.4	151.9	0.1	4.5	0.21	723.0	596.0	508.0	410.0	256.0	108.0	13.2	396.7	21.9
Buenaventura	339.4	309.5	88.7	1.3	4.5	0.26	312.0	277.0	255.0	234.0	205.0	181.0	8.3	229.0	23.7
Camargo	347.0	336.5	159.9	4.1	24.3	0.46	322.0	249.0	198.0	146.0	63.0	0.0	2.5	210.3	8.5
Carichi	498.0	479.0	149.3	0.7	3.2	0.30	472.0	387.0	334.0	285.0	221.0	173.0	12.4	263.7	27.0
Casas Grandes	317.9	318.0	79.9	0.1	2.7	0.25	314.0	244.0	213.0	184.0	145.0	115.0	12.5	171.9	26.5
Coronado	491.2	452.3	208.7	0.5	3.4	0.42	446.0	321.0	246.0	173.0	73.0	0.0	15.1	118.4	33.3
Coyame	296.7	305.5	102.1	0.2	3.8	0.34	307.0	231.0	182.0	135.0	74.0	29.0	15.8	109.0	29.5
Cruz, La	348.7	350.0	86.6	0.0	3.1	0.25	348.0	280.0	236.0	194.0	138.0	94.0	16.2	172.6	28.3
Cuahtémoc	428.7	418.1	109.7	0.6	3.3	0.26	410.0	344.0	304.0	265.0	214.0	175.0	9.8	262.8	20.8
Cusihuiriachi	484.4	509.9	91.4	-0.4	2.7	0.19	508.0	398.0	359.0	325.0	282.0	250.0	10.1	331.6	17.4
Chihuahua	410.4	410.2	120.0	0.3	3.8	0.29	409.0	320.0	263.0	209.0	139.0	86.0	18.3	165.2	35.3
Chinipas	699.4	739.9	128.2	-1.3	7.2	0.18	735.0	659.0	587.0	494.0	355.0	249.0	38.0	339.1	55.5
Delicias	262.7	251.4	77.3	0.4	2.8	0.29	249.0	194.0	167.0	140.0	101.0	68.0	17.0	116.9	35.1
Doctor Belisario Domínguez	437.5	423.0	134.4	-0.1	2.9	0.31	409.0	316.0	268.0	223.0	166.0	124.0	17.4	186.0	36.2
Galeana	305.9	293.3	85.2	0.7	3.6	0.28	290.0	239.0	208.0	177.0	134.0	99.0	10.4	171.2	22.5
Santa Isabel	437.5	423.0	134.4	-0.1	2.9	0.31	409.0	316.0	268.0	223.0	166.0	124.0	17.4	186.0	36.2
Gómez Farías	471.9	472.5	136.5	0.7	5.5	0.29	469.0	353.0	268.0	175.0	25.0	0.0	8.1	233.5	13.1
Gran Morelos	437.5	423.0	134.4	-0.1	2.9	0.31	409.0	316.0	268.0	223.0	166.0	124.0	17.4	186.0	36.2
Guachochi	539.8	520.3	153.9	0.0	3.2	0.29	521.0	437.0	374.0	294.0	169.0	71.0	20.9	227.2	32.9
Guadalupe	236.1	215.2	99.1	2.2	10.9	0.42	219.0	159.0	113.0	57.0	0.0	0.0	3.7	129.3	7.9
Guadalupe y Calvo	898.1	898.8	221.5	0.0	4.2	0.25	887.0	757.0	632.0	472.0	248.0	80.0	18.1	394.5	27.5
Guazapares	699.4	739.9	128.2	-1.3	7.2	0.18	735.0	659.0	587.0	494.0	355.0	249.0	38.0	339.1	55.5
Guerrero	564.8	520.0	197.4	1.4	6.7	0.35	532.0	410.0	325.0	234.0	88.0	0.0	8.3	251.0	17.6
Hidalgo del Parral	375.7	370.7	99.5	-0.7	3.4	0.26	389.0	284.0	228.0	176.0	110.0	61.0	15.7	161.5	24.5
Huejotitán	314.6	279.6	164.4	1.9	8.0	0.52	274.0	202.0	151.0	93.0	0.0	0.0	4.4	144.9	10.8
Ignacio Zaragoza	359.8	336.5	107.8	0.5	3.4	0.30	334.0	274.0	238.0	190.0	105.0	36.0	13.3	178.0	23.0
Janos	335.8	311.7	80.2	0.6	3.3	0.24	318.0	270.0	241.0	213.0	174.0	143.0	9.1	213.3	19.7
Jiménez	332.4	303.0	117.2	1.2	5.7	0.35	292.0	233.0	190.0	131.0	19.0	0.0	6.6	162.3	14.3
Juárez	246.8	221.2	104.4	1.9	8.6	0.42	225.0	169.0	130.0	88.0	21.0	0.0	5.2	116.5	12.6
Julimes	317.7	307.7	89.0	0.2	2.5	0.28	312.0	236.0	213.0	189.0	152.0	116.0	15.2	167.2	35.0

Tabla C.53. Características estadísticas de la lluvia anual de cada municipio del estado de Chihuahua.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años) primer decil	lluvia mínima registrada Hp mín(mm)	Tr(años) para Hp mín
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años			
	X _o (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)			
López	320.6	290.0	124.7	1.1	5.4	0.39	293.0	219.0	169.0	116.0	33.0	0.0	6.7	140.6	14.7
Madera	879.4	836.3	184.7	0.4	2.8	0.21	835.0	722.0	659.0	598.0	518.0	455.0	7.7	614.2	16.7
Maguarichi	707.6	714.3	167.0	0.9	5.7	0.24	703.0	564.0	466.0	364.0	211.0	73.0	7.7	430.3	12.8
Manuel Benavides	341.2	311.5	99.9	0.4	2.6	0.29	323.0	262.0	228.0	196.0	155.0	124.0	9.8	194.0	20.8
Matachi	456.5	431.6	106.6	0.6	4.4	0.23	378.1	283.8	221.5	161.6	84.2	26.1	2.6	311.5	3.7
Matamoros	513.3	492.7	190.6	0.2	3.6	0.37	485.0	379.0	303.0	205.0	47.0	0.0	17.3	146.4	28.5
Meoqui	304.4	304.8	113.3	0.4	3.3	0.37	286.0	184.0	119.0	58.0	0.0	0.0	6.6	116.7	10.3
Morelos	899.3	889.5	196.5	0.3	3.9	0.22	892.0	738.0	627.0	508.0	333.0	190.0	15.1	466.4	25.1
Moris	816.0	790.8	203.7	0.2	4.0	0.25	796.0	718.0	642.0	520.0	333.0	191.0	18.1	466.8	26.0
Morelos	574.2	564.0	129.8	0.4	3.3	0.23	566.0	493.0	447.0	403.0	346.0	304.0	22.9	344.4	51.7
Nonoava	454.9	424.0	142.8	1.1	4.7	0.31	421.0	367.0	333.0	300.0	259.0	228.0	41.2	208.3	154.1
Nuevo Casas Grandes	332.6	318.9	84.3	-0.3	4.4	0.25	330.0	290.0	271.0	220.0	152.0	101.0	45.6	122.0	74.8
Ocampo	754.4	738.0	219.7	-0.5	3.9	0.29	757.0	585.0	488.0	398.0	284.0	199.0	17.8	335.9	32.9
Ojinaga	293.2	306.3	83.8	-0.1	3.7	0.29	299.0	226.0	178.0	132.0	73.0	28.0	16.0	109.0	28.5
Praxedis G. Guerrero	228.5	211.4	93.1	2.6	14.0	0.41	217.0	176.0	147.0	116.0	63.0	0.0	7.1	111.9	21.9
Riva Palacio	437.5	423.0	134.4	-0.1	2.9	0.31	409.0	316.0	268.0	223.0	166.0	124.0	17.4	186.0	36.2
Rosales	291.8	283.6	93.7	0.7	4.2	0.32	282.0	227.0	191.0	154.0	101.0	56.0	15.8	127.0	32.3
Rosario	439.2	446.5	123.0	0.2	3.5	0.28	429.0	347.0	297.0	249.0	185.0	136.0	26.2	178.0	55.5
San Francisco de Borja	498.0	479.0	149.3	0.7	3.2	0.30	472.0	387.0	334.0	285.0	221.0	173.0	12.4	263.7	27.0
San Francisco de Conchos	371.3	359.0	164.8	3.4	19.2	0.44	355.0	281.0	232.0	182.0	113.0	53.0	5.5	180.3	20.6
San Francisco del Oro	332.6	311.3	149.0	2.2	11.0	0.45	326.0	219.0	141.0	54.0	0.0	0.0	4.4	162.1	8.3
Santa Bárbara	370.1	374.3	113.6	0.1	3.0	0.31	368.0	285.0	236.0	190.0	130.0	84.0	12.9	179.0	23.6
Satevó	439.2	446.5	123.0	0.2	3.5	0.28	429.0	347.0	297.0	249.0	185.0	136.0	26.2	178.0	55.5
Saucillo	331.7	324.5	55.4	-0.3	3.4	0.17	291.0	242.0	209.5	178.4	138.2	108.0	6.1	208.5	10.2
Temósachi	472.6	457.3	101.6	-0.6	5.0	0.21	469.0	400.0	360.0	322.0	273.0	237.0	99.1	190.4	240.7
Tule, El	474.9	419.4	236.7	1.5	6.3	0.50	400.0	303.0	234.0	154.0	4.0	0.0	4.5	225.1	10.9
Urique	710.2	708.7	118.7	-0.4	4.1	0.17	715.0	626.0	571.0	518.0	450.0	399.0	57.2	386.7	118.2
Uruáchi	841.2	795.5	260.1	0.2	3.8	0.31	792.0	653.0	570.0	487.0	368.0	261.0	25.5	362.0	51.3
Valle de Zaragoza	383.3	373.2	147.8	0.8	4.1	0.39	326.0	249.0	203.0	139.0	14.0	0.0	6.1	176.8	13.8
Estatal	471.9	449.7	76.1	0.5	3.3	0.16	451.0	413.0	392.0	370.0	332.0	295.0	24.1	332.4	49.7

Tabla C.53. Características estadísticas de la lluvia anual de cada municipio del estado de Chihuahua.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Ahumada	174.0	214.8	255.5	296.2	337.0	377.7	418.4	459.1	499.9	540.6	11.1	25.9	11.1	22.2	14.8	7.4	3.7	0.0	0.0	3.7
Aldama	180.9	225.2	269.6	313.9	358.3	402.6	447.0	491.3	535.7	580.0	3.7	18.5	18.5	14.8	11.1	18.5	0.0	7.4	0.0	7.4
Alende	263.3	306.4	349.5	392.6	435.7	478.7	521.8	564.9	608.0	651.1	3.8	19.2	7.6	15.3	19.2	7.6	19.2	0.0	3.8	3.8
Aquiles Serdán	180.9	225.2	269.6	313.9	358.3	402.6	447.0	491.3	535.7	580.0	3.7	18.5	18.5	14.8	11.1	18.5	0.0	7.4	0.0	7.4
Ascensión	184.6	218.6	252.5	286.4	320.4	354.3	388.2	422.1	456.1	490.0	14.8	11.1	25.9	18.5	7.4	7.4	3.7	7.4	0.0	3.7
Bachiniva	311.8	346.4	381.1	415.7	450.3	484.9	519.5	554.2	588.8	623.4	12.5	12.5	18.7	6.2	6.2	6.2	25.0	6.2	0.0	6.2
Balleza	319.9	381.3	442.7	504.1	565.5	626.9	688.3	749.7	811.1	872.5	13.3	23.3	23.3	13.3	6.6	10.0	3.3	0.0	3.3	3.3
Batopilas	422.5	467.8	513.1	558.4	603.7	649.1	694.4	739.7	785.0	830.3	10.0	10.0	6.6	13.3	10.0	23.3	6.6	6.6	3.3	10.0
Bocoyna	469.6	542.6	615.5	688.4	761.4	834.3	907.2	980.1	1053.1	1126.0	6.6	6.6	18.3	13.3	20.0	26.6	10.0	0.0	0.0	3.3
Buena Ventura	261.3	293.5	325.8	358.0	390.3	422.6	454.8	487.1	519.3	551.6	11.1	22.2	29.6	11.1	3.7	7.4	0.0	3.7	3.7	7.4
Camargo	301.4	392.5	483.7	574.8	665.9	757.0	848.1	939.3	1030.4	1121.5	36.6	50.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
Carichi	318.9	374.1	429.3	484.5	539.7	594.8	650.0	705.2	760.4	815.6	7.4	18.5	7.4	18.5	22.2	3.7	3.7	3.7	7.4	7.4
Casas Grandes	203.4	234.8	266.3	297.7	329.2	360.7	392.1	423.6	455.0	486.5	7.1	10.7	14.2	10.7	3.5	21.4	10.7	3.5	3.5	3.5
Coronado	202.7	287.0	371.3	455.6	539.8	624.1	708.4	792.7	877.0	961.3	4.1	12.5	8.3	25.0	16.6	8.3	12.5	0.0	8.3	4.1
Coyame	150.9	192.8	234.7	276.6	318.5	360.4	402.3	444.2	486.1	528.0	13.3	0.0	13.3	10.0	20.0	26.6	3.3	6.6	0.0	6.6
Cruz, La	206.5	240.3	274.2	308.0	341.9	375.7	409.6	443.4	477.3	511.1	7.4	3.7	11.1	7.4	14.8	22.2	11.1	7.4	3.7	11.1
Cuahtémoc	304.7	346.6	388.4	430.3	472.2	514.1	556.0	597.8	639.7	681.6	10.7	17.8	7.1	21.4	14.2	3.5	10.7	7.1	0.0	7.1
Cusiuhuiachi	358.6	385.7	412.7	439.8	466.8	493.8	520.9	547.9	575.0	602.0	13.3	6.6	6.6	6.6	6.6	13.3	20.0	0.0	0.0	10.0
Chihuahua	215.8	266.3	316.9	367.4	418.0	468.6	519.1	569.7	620.2	670.8	6.6	0.0	16.6	13.3	13.3	20.0	20.0	0.0	0.0	10.0
Chinipas	397.0	454.9	512.7	570.6	629.5	686.4	744.3	802.1	860.0	917.9	5.8	0.0	0.0	5.8	11.7	17.6	41.1	0.0	0.0	5.8
Delicias	146.4	176.0	205.5	235.0	264.6	294.1	323.6	353.1	382.7	412.2	3.5	0.0	28.5	7.1	14.2	17.8	3.5	7.1	10.7	7.1
Doctor Beltrario Domínguez	231.8	277.6	323.5	369.3	415.1	460.9	506.7	552.6	598.4	644.2	5.8	5.8	5.8	23.5	5.8	11.7	5.8	0.0	23.5	11.7
Galeana	205.9	240.7	275.4	310.1	344.9	379.6	414.3	449.0	483.8	518.5	14.2	7.1	25.0	14.2	10.7	7.1	10.7	3.5	3.5	3.5
Santa Isabel	231.8	277.6	323.5	369.3	415.1	460.9	506.7	552.6	598.4	644.2	5.8	5.8	5.8	23.5	5.8	11.7	5.8	0.0	23.5	11.7
Gómez Farías	294.7	355.8	416.9	478.1	539.2	600.4	661.5	722.7	783.8	845.0	9.5	4.7	14.2	23.8	19.0	14.2	9.5	0.0	0.0	4.7
Gran Morelos	231.8	277.6	323.5	369.3	415.1	460.9	506.7	552.6	598.4	644.2	5.8	5.8	5.8	23.5	5.8	11.7	5.8	0.0	23.5	11.7
Guachochi	288.0	348.9	409.7	470.5	531.3	592.2	653.0	713.8	774.7	835.5	6.6	3.3	3.3	20.0	20.0	13.3	10.0	10.0	3.3	10.0
Guadalupe	178.3	227.3	276.4	325.4	374.4	423.4	472.4	521.5	570.5	619.5	31.0	24.1	24.1	6.8	6.8	3.4	0.0	0.0	0.0	3.4
Guadalupe y Calvo	496.3	598.1	699.9	801.7	903.4	1005.2	1107.0	1208.8	1310.6	1412.4	6.6	0.0	6.6	13.3	26.6	20.0	10.0	10.0	3.3	3.3
Guazapares	397.0	454.9	512.7	570.6	628.5	686.4	744.3	802.1	860.0	917.9	5.8	0.0	0.0	5.8	11.7	17.6	41.1	0.0	0.0	5.8
Guerrero	347.7	444.4	541.1	637.8	734.5	831.2	927.9	1024.6	1121.3	1218.0	6.8	13.7	37.9	13.7	10.3	3.4	10.3	0.0	0.0	3.4
Hidalgo del Parral	194.3	227.0	259.8	292.5	325.3	358.0	390.8	423.5	456.3	489.0	5.8	0.0	11.7	5.8	0.0	5.8	23.5	5.8	5.8	35.2
Huejotitlán	211.3	277.8	344.2	410.7	477.1	543.5	610.0	676.4	742.9	809.3	25.0	25.0	25.0	10.0	5.0	0.0	0.0	5.0	0.0	5.0
Ignacio Zaragoza	219.8	261.5	303.3	345.0	386.8	428.5	470.3	512.0	553.8	595.5	7.4	3.7	25.9	14.8	7.4	18.5	3.7	7.4	3.7	7.4
Janos	244.9	276.4	308.0	339.6	371.2	402.7	434.3	465.9	497.4	529.0	11.1	7.4	25.9	14.8	11.1	3.7	14.8	3.7	3.7	3.7
Jiménez	217.0	271.6	326.3	381.0	435.7	490.3	545.0	599.7	654.3	709.0	13.3	23.3	23.3	10.0	10.0	10.0	6.6	0.0	0.0	3.3
Juárez	166.8	217.1	267.4	317.7	368.0	418.3	468.6	518.9	569.2	619.5	17.2	27.5	24.1	13.7	6.8	3.4	3.4	0.0	0.0	3.4
Julimes	198.7	230.1	261.6	293.1	324.6	356.0	387.5	419.0	450.4	481.9	7.4	7.4	18.5	11.1	11.1	3.7	18.5	3.7	7.4	11.1

Tabla C.54. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Chihuahua.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
López	197.4	254.3	311.1	368.0	424.8	481.6	538.5	595.3	652.2	709.0	13.3	20.9	26.6	13.3	6.6	10.0	6.6	0.0	0.0	3.3
Madera	682.8	751.3	819.8	888.4	956.9	1025.5	1094.1	1162.6	1231.2	1299.7	14.8	14.8	11.1	18.5	11.1	0.0	14.8	11.1	0.0	3.7
Maguarichi	503.6	576.8	650.1	723.3	796.6	869.8	943.1	1016.3	1089.6	1162.8	10.5	10.5	21.0	10.5	26.3	10.5	5.2	0.0	0.0	5.2
Manuel Benavides	228.7	263.3	298.0	332.6	367.2	401.9	436.5	471.2	505.8	540.5	14.8	11.1	7.4	22.2	11.1	3.7	7.4	7.4	11.1	3.7
Matachi	347.0	382.5	417.9	453.4	488.9	524.4	559.9	595.3	630.8	666.3	9.0	18.1	18.1	9.0	9.0	18.1	0.0	9.0	0.0	9.0
Matamoros	227.9	309.4	390.9	472.4	553.9	635.3	716.8	798.3	879.8	961.3	7.4	7.4	7.4	25.9	11.1	11.1	18.5	3.7	3.7	3.7
Meoqui	157.2	197.7	238.3	278.8	319.3	359.8	400.3	440.9	481.4	521.9	8.3	8.3	12.5	12.5	20.8	16.6	4.1	0.0	0.0	16.6
Morelos	557.7	648.9	740.2	831.4	922.7	1013.9	1105.2	1196.4	1287.7	1378.9	3.3	3.3	10.0	23.3	16.6	23.3	6.6	6.6	3.3	3.3
Moris	539.6	612.4	685.3	758.1	830.9	903.7	976.5	1049.4	1122.2	1195.0	12.5	0.0	0.0	25.0	25.0	6.2	12.5	0.0	6.2	12.5
Morelos	394.4	444.4	494.4	544.4	594.4	644.3	694.3	744.3	794.3	844.3	7.4	11.1	7.4	14.8	22.2	18.5	0.0	3.7	7.4	7.4
Nonoava	267.6	326.9	386.1	445.4	504.7	564.0	623.3	682.5	741.8	801.1	3.8	7.6	15.3	34.6	19.2	0.0	0.0	11.5	0.0	7.6
Nuevo Casas Grandes	158.6	195.1	231.7	268.2	304.8	341.4	377.9	414.5	451.0	487.6	4.5	0.0	4.5	4.5	36.3	4.5	13.6	18.1	4.5	9.0
Ocampo	413.5	491.1	568.7	646.3	724.0	801.6	879.2	956.8	1034.4	1112.0	12.5	0.0	0.0	12.5	25.0	12.5	0.0	18.7	12.5	6.2
Ojinaga	148.8	184.6	222.3	260.1	297.9	335.7	373.5	411.2	449.0	486.8	6.6	3.3	10.0	13.3	13.3	26.6	13.3	6.6	3.3	3.3
Praxedis G. Guerrero	161.2	210.4	259.7	308.9	358.2	407.5	456.7	506.0	555.2	604.5	14.8	29.6	40.7	3.7	7.4	0.0	0.0	0.0	0.0	3.7
Riva Palacio	231.8	277.6	323.5	369.3	415.1	460.9	506.7	552.6	598.4	644.2	5.8	5.8	5.8	23.5	5.8	11.7	5.8	0.0	23.5	11.7
Rosales	166.5	206.0	245.5	285.0	324.5	364.0	403.5	443.0	482.5	522.0	7.4	7.4	14.8	25.9	14.8	11.1	7.4	3.7	0.0	7.4
Rosario	230.1	282.1	334.2	386.2	438.3	490.3	542.4	594.4	646.4	698.5	3.8	3.8	15.3	11.5	11.5	26.9	7.6	11.5	0.0	7.6
San Francisco de Borja	318.9	374.1	429.3	484.5	539.7	594.8	650.0	705.2	760.4	815.6	7.4	18.5	7.4	18.5	22.2	3.7	3.7	7.4	7.4	7.4
San Francisco de Conchos	274.4	368.5	462.7	556.8	650.9	745.0	839.1	933.3	1027.4	1121.5	23.3	33.3	36.6	0.0	3.3	0.0	0.0	0.0	0.0	3.3
San Francisco del Oro	233.6	305.2	376.7	448.3	519.8	591.3	662.9	734.4	806.0	877.5	29.1	20.8	25.0	12.5	8.3	0.0	0.0	0.0	0.0	4.1
Santa Bárbara	219.2	259.3	299.5	339.7	379.9	420.0	460.2	500.4	540.5	580.7	9.5	9.5	14.2	4.7	14.2	19.0	4.7	9.5	4.7	9.5
Satevó	230.1	282.1	334.2	386.2	438.3	490.3	542.4	594.4	646.4	698.5	3.8	3.8	15.3	11.5	11.5	26.9	7.6	11.5	0.0	7.6
Saucillo	232.1	255.8	279.4	303.1	326.7	350.3	374.0	397.6	421.3	444.9	3.7	7.4	7.4	3.7	29.6	7.4	18.5	14.8	3.7	3.7
Temósachi	237.3	284.2	331.1	378.0	424.9	471.8	518.7	565.6	612.5	659.4	4.1	0.0	0.0	12.5	8.3	29.1	16.6	8.3	12.5	8.3
Tule, El	312.0	399.0	485.9	572.9	659.8	746.7	833.7	920.6	1007.6	1094.5	18.7	25.0	31.2	0.0	6.2	6.2	0.0	6.2	0.0	6.2
Urique	439.9	493.0	546.2	599.3	652.4	705.6	758.7	811.9	865.0	918.2	3.3	0.0	3.3	13.3	10.0	20.0	16.6	16.6	6.6	10.0
Urúachi	456.4	550.8	645.2	739.6	834.0	928.4	1022.8	1117.2	1211.6	1306.0	6.2	6.2	12.5	6.2	31.2	0.0	6.2	18.7	0.0	12.5
Valle de Zaragoza	236.3	295.8	355.3	414.8	474.3	533.8	593.3	652.8	712.3	771.8	18.5	14.8	14.8	7.4	18.5	14.8	3.7	0.0	3.7	3.7
Estatal	362.9	393.5	424.0	454.6	485.1	515.6	546.2	576.7	607.3	637.8	3.3	10.0	13.3	23.3	13.3	10.0	6.6	10.0	3.3	6.6

Tabla C.54. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Chihuahua.

Municipio	Características promedio de la sequía meteorológica municipal									Luvia disponible Hp disp S(mm)	Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	respecto a Xc			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)					
Ahumada	3.7	2.0	1.7	1.9	109.9	166.8	64.6	24.0		198.3	3.8	VASTA
Aldama	4.0	1.4	2.5	1.6	191.8	134.5	76.7	24.0		237.0	4.9	MUY VASTA
Allende	3.1	0.9	1.4	0.4	119.0	96.4	85.0	20.0		321.1	4.6	SEVERA
Aquiles Serdán	4.0	1.4	2.5	1.6	191.8	134.5	76.7	24.0		237.0	4.9	MUY VASTA
Ascensión	5.2	3.5	2.9	3.6	135.8	175.6	46.8	17.0		219.6	3.7	MUY SEVERA
Bachiniva	2.7	1.1	1.3	0.7	115.0	67.9	88.4	20.0		335.6	4.6	SEVERA
Balleza	4.3	1.7	2.7	1.4	233.6	146.0	86.5	19.0		368.6	3.5	MUY SEVERA
Batopilas	2.6	1.0	1.3	0.6	136.7	147.0	105.1	17.0		492.2	7.0	SEVERA
Bocoyna	5.1	1.7	2.1	1.4	292.9	296.0	139.4	19.0		572.6	6.1	MUY SEVERA
Buenaventura	3.4	2.7	2.2	2.5	112.8	153.4	51.2	15.0		288.1	3.6	MUY SEVERA
Camargo	5.5	1.8	2.6	1.6	194.3	80.1	74.7	21.0		272.3	3.7	MUY VASTA
Carichi	4.3	1.8	1.9	1.4	222.3	198.1	117.0	23.0		380.9	5.4	VASTA
Casas Grandes	3.1	1.1	1.6	0.8	117.2	81.7	73.2	23.0		244.6	4.9	VASTA
Coronado	3.6	1.7	2.3	1.2	332.0	224.4	144.3	29.0		346.9	4.0	MUY VASTA
Coyame	3.2	1.4	1.7	1.0	143.4	130.2	84.3	28.0		212.3	6.5	VASTA
Cruz, La	3.8	1.9	1.8	1.1	129.6	128.3	72.0	20.0		276.7	5.2	SEVERA
Cuauhtémoc	3.8	1.5	2.0	1.3	148.4	147.8	74.1	17.0		354.6	4.2	MUY SEVERA
Cusiuhuirachi	3.2	0.8	1.3	0.4	116.2	27.9	89.3	18.0		395.1	5.2	SEVERA
Chihuahua	3.2	1.1	1.6	0.8	153.1	133.5	95.6	23.0		314.7	5.4	VASTA
Chinipas	3.3	0.9	1.7	0.4	195.4	178.0	114.9	16.0		584.4	10.3	SEVERA
Delicias	5.2	1.5	2.5	1.7	147.4	100.6	58.9	22.0		203.8	3.9	MUY VASTA
Doctor Belisario Domínguez	3.1	1.1	1.5	1.1	159.9	132.5	106.5	24.0		331.0	4.1	VASTA
Galeana	3.2	2.0	2.0	1.8	116.3	70.9	58.1	18.0		247.8	4.2	MUY SEVERA
Santa Isabel	3.1	1.1	1.5	1.1	159.9	132.5	106.5	24.0		331.0	4.1	VASTA
Gómez Farías	3.3	1.3	1.4	0.7	148.2	68.2	105.8	22.0		366.1	4.5	VASTA
Gran Morelos	3.1	1.1	1.5	1.1	159.9	132.5	106.5	24.0		331.0	4.1	VASTA
Guachochi	4.6	1.9	2.5	1.2	257.9	180.0	103.1	19.0		436.7	5.0	MUY SEVERA
Guadalupe	3.5	1.4	1.8	1.2	107.8	90.6	59.8	25.0		176.3	3.8	VASTA
Guadalupe y Calvo	3.4	1.4	1.7	1.3	302.1	462.7	177.7	19.0		720.3	6.3	SEVERA
Guazapares	3.3	0.9	1.7	0.4	195.4	178.0	114.9	16.0		584.4	10.3	SEVERA
Guerrero	3.3	1.3	2.5	1.7	295.8	275.5	118.3	20.0		446.4	3.7	MUY SEVERA
Hidalgo del Parral	3.1	0.9	1.5	0.7	113.8	111.9	75.8	20.0		299.8	4.2	SEVERA
Huejotitán	4.5	1.1	2.6	1.6	219.0	163.4	84.2	26.0		230.4	3.4	MUY VASTA
Ignacio Zaragoza	3.7	2.2	1.8	1.3	144.5	130.0	80.2	22.0		279.6	4.5	VASTA
Janos	5.2	2.0	2.5	2.5	145.8	149.5	58.3	17.0		277.5	4.2	MUY SEVERA
Jiménez	3.2	1.5	2.0	1.5	151.9	120.5	75.9	22.0		256.4	3.4	MUY VASTA
Juárez	3.2	1.6	2.1	1.2	116.0	99.6	55.2	22.0		191.5	3.4	MUY VASTA
Julimes	4.1	2.2	2.3	2.1	169.1	148.7	73.5	23.0		244.1	4.0	MUY VASTA

Tabla C.55. Características de la sequía promedio de cada municipio del estado de Chihuahua.

Municipio	Características promedio de la sequía meteorológica municipal									Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad PerS(años)	DevStd PerS (años)	Duración DS(años)	DevStd DS (años)	Severidad SS(mm)	DevStd SS (mm)	Intensidad IS(mm/año)	% de IS respecto a X _c	Hp disponible Hp disp S(mm)		
López	3.3	1.3	2.0	0.9	159.7	107.6	79.8	24.0	240.8	3.7	MUY VASTA
Madera	3.2	1.2	1.7	0.9	231.0	145.5	135.8	15.0	743.5	4.0	SEVERA
Maguarichi	6.0	2.4	2.2	1.2	297.8	259.8	135.3	19.0	572.3	4.7	MUY SEVERA
Manuel Benavides	2.7	0.9	1.5	0.9	112.1	77.3	74.7	21.0	266.5	4.6	VASTA
Matachi	4.5	1.5	2.0	0.8	160.2	124.1	80.0	17.0	376.5	2.0	MUY SEVERA
Matamoros	2.8	1.1	1.8	1.0	252.5	217.1	140.2	27.0	373.1	5.3	VASTA
Meoqui	4.2	1.5	2.0	0.8	170.0	99.3	85.0	27.0	219.3	3.5	MUY VASTA
Morelos	4.6	1.2	2.2	1.7	326.6	421.0	148.4	16.0	750.8	4.6	MUY SEVERA
Moris	3.7	1.9	1.9	1.5	241.1	251.3	126.8	16.0	689.1	6.8	SEVERA
Morelos	3.7	1.5	1.8	1.2	166.5	129.4	92.5	16.0	481.6	5.9	SEVERA
Nonoava	3.2	0.8	2.0	0.7	161.0	90.9	80.5	17.0	374.3	4.3	MUY SEVERA
Nuevo Casas Grandes	5.3	1.2	2.7	2.0	180.8	208.3	66.9	29.0	265.6	10.9	MUY SEVERA
Ocampo	2.8	0.3	1.5	0.4	226.0	167.5	150.6	19.0	603.8	4.4	SEVERA
Ojinaga	3.2	1.1	1.7	0.9	122.3	121.0	71.9	24.0	221.3	5.3	VASTA
Praxedis G. Guerrero	4.3	1.6	2.1	1.3	105.9	131.5	50.4	24.0	178.0	4.7	MUY VASTA
Riva Palacio	3.1	1.1	1.5	1.1	159.9	132.5	106.5	24.0	331.0	4.1	VASTA
Rosales	4.3	3.0	2.2	1.7	135.5	133.0	61.5	21.0	230.3	4.7	MUY VASTA
Rosario	3.2	1.1	1.5	0.7	153.2	103.6	102.1	23.0	337.0	5.7	VASTA
San Francisco de Borja	4.3	1.8	1.9	1.4	222.3	198.1	117.0	23.0	380.9	5.4	VASTA
San Francisco de Conchos	3.5	1.0	2.0	0.9	150.6	97.1	75.3	20.0	296.0	4.1	MUY SEVERA
San Francisco del Oro	3.6	1.2	2.1	1.3	200.7	185.3	95.5	28.0	237.1	4.2	MUY VASTA
Santa Bárbara	4.2	1.4	2.0	0.8	191.5	155.8	95.7	25.0	274.4	5.8	MUY VASTA
Satevó	3.2	1.1	1.5	0.7	153.2	103.6	102.1	23.0	337.0	5.7	VASTA
Saucillo	3.5	1.5	1.9	1.3	83.7	75.0	44.0	13.0	287.7	2.1	SEVERA
Temósachi	3.5	1.0	2.1	1.0	154.5	138.3	73.5	15.0	399.0	5.1	MUY SEVERA
Tule, El	5.0	2.4	2.7	1.7	341.5	272.6	126.4	26.0	348.4	3.2	MUY VASTA
Urique	3.5	2.1	1.8	1.1	169.3	230.9	94.0	13.0	616.2	5.7	SEVERA
Uruachi	3.0	0.6	1.6	0.7	272.3	217.6	170.1	20.0	671.1	4.3	SEVERA
Valle de Zaragoza	3.5	1.8	2.0	1.4	231.2	214.2	115.5	30.0	267.8	3.7	MUY VASTA
Estatad	3.2	1.4	1.8	1.2	103.4	89.6	57.4	12.0	414.5	4.7	SEVERA

Tabla C.55. Características de la sequía promedio de cada municipio del estado de Chihuahua.

Municipio	PerS(años)	DevStd PerS(años)	Duración DS(años)	DevStd DS(años)	Severidad SS(mm)	DevStd SS(mm)	Intensidad IS(mm/año)	% de IS respecto a X _c	Hp disponible Hp disp S(mm)	Tr(años) para	Tipo de sequía Meteorológica
López	3.3	1.3	2.0	0.9	159.7	107.6	79.8	24.0	240.8	3.7	MUY VASTA
Madera	3.2	1.2	1.7	0.9	231.0	145.5	135.8	15.0	743.5	4.0	SEVERA
Maguarichi	6.0	2.4	2.2	1.2	297.8	259.8	135.3	19.0	572.3	4.7	MUY SEVERA
Manuel Benavides	2.7	0.9	1.5	0.9	112.1	77.3	74.7	21.0	266.5	4.6	VASTA
Matachi	4.5	1.5	2.0	0.8	160.2	124.1	80.0	17.0	376.5	2.0	MUY SEVERA
Matamoros	2.8	1.1	1.8	1.0	252.5	217.1	140.2	27.0	373.1	5.3	VASTA
Meoqui	4.2	1.5	2.0	0.8	170.0	99.3	85.0	27.0	219.3	3.5	MUY VASTA
Morelos	4.6	1.2	2.2	1.7	326.6	421.0	148.4	16.0	750.8	4.6	MUY SEVERA
Moris	3.7	1.9	1.9	1.5	241.1	251.3	126.8	16.0	689.1	6.8	SEVERA
Morelos	3.7	1.5	1.8	1.2	166.5	129.4	92.5	16.0	481.6	5.9	SEVERA
Nonoava	3.2	0.8	2.0	0.7	161.0	90.9	80.5	17.0	374.3	4.3	MUY SEVERA
Nuevo Casas Grandes	5.3	1.2	2.7	2.0	180.8	208.3	66.9	29.0	265.6	10.9	MUY SEVERA
Ocampo	2.8	0.3	1.5	0.4	226.0	167.5	150.6	19.0	603.8	4.4	SEVERA
Ojinaga	3.2	1.1	1.7	0.9	122.3	121.0	71.9	24.0	221.3	5.3	VASTA
Praxedis G. Guerrero	4.3	1.6	2.1	1.3	105.9	131.5	50.4	24.0	178.0	4.7	MUY VASTA
Riva Palacio	3.1	1.1	1.5	1.1	159.9	132.5	106.5	24.0	331.0	4.1	VASTA
Rosales	4.3	3.0	2.2	1.7	135.5	133.0	61.5	21.0	230.3	4.7	MUY VASTA
Rosario	3.2	1.1	1.5	0.7	153.2	103.6	102.1	23.0	337.0	5.7	VASTA
San Francisco de Borja	4.3	1.8	1.9	1.4	222.3	198.1	117.0	23.0	380.9	5.4	VASTA
San Francisco de Conchos	3.5	1.0	2.0	0.9	150.6	97.1	75.3	20.0	296.0	4.1	MUY SEVERA
San Francisco del Oro	3.6	1.2	2.1	1.3	200.7	185.3	95.5	28.0	237.1	4.2	MUY VASTA
Santa Bárbara	4.2	1.4	2.0	0.8	191.5	155.8	95.7	25.0	274.4	5.8	MUY VASTA
Satevó	3.2	1.1	1.5	0.7	153.2	103.6	102.1	23.0	337.0	5.7	VASTA
Saucillo	3.5	1.5	1.9	1.3	83.7	75.0	44.0	13.0	287.7	2.1	SEVERA
Temósachi	3.5	1.0	2.1	1.0	154.5	138.3	73.5	15.0	399.0	5.1	MUY SEVERA
Tule, El	5.0	2.4	2.7	1.7	341.5	272.6	126.4	26.0	348.4	3.2	MUY VASTA
Urique	3.5	2.1	1.8	1.1	169.3	230.9	94.0	13.0	616.2	5.7	SEVERA
Uruachi	3.0	0.6	1.6	0.7	272.3	217.6	170.1	20.0	671.1	4.3	SEVERA
Valle de Zaragoza	3.5	1.8	2.0	1.4	231.2	214.2	115.5	30.0	267.8	3.7	MUY VASTA
Estatad	3.2	1.4	1.8	1.2	103.4	89.6	57.4	12.0	414.5	4.7	SEVERA

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones											
	Severidad	Duración	$P = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años		
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_c	$I^*(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)		
Ahumada	548.2	7.0	78.3	29.0	78.3	7.0	29.0	87.5	0.0	0.0	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	
Aldama	385.8	5.0	77.1	24.0	114.0	1.0	36.0	50.0	0.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	
Allende	300.5	2.0	150.2	36.0	150.2	2.0	36.0	55.5	44.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Aquiles Serdán	385.8	5.0	77.1	24.0	114.0	1.0	36.0	50.0	0.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	
Ascensión	512.8	11.0	46.6	17.0	62.4	1.0	36.0	50.0	0.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	
Bachiniva	262.0	3.0	87.3	20.0	122.0	1.0	28.0	83.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Balleza	448.5	5.0	89.7	19.0	144.6	1.0	31.0	28.5	28.5	0.0	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	
Batopilas	515.4	3.0	171.8	28.0	187.2	1.0	31.0	72.7	18.1	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Bocoyna	924.2	5.0	184.8	25.0	212.4	1.0	29.0	50.0	16.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	
Buenaventura	514.5	9.0	57.1	16.0	74.7	1.0	22.0	62.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Camargo	323.6	5.0	64.7	18.0	136.5	1.0	39.0	33.3	33.3	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	12.5	0.0
Carichi	679.6	5.0	135.9	27.0	178.4	1.0	35.0	57.1	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	
Casas Grandes	274.6	3.0	91.5	28.0	102.5	1.0	32.0	62.5	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Coronado	740.3	5.0	148.0	30.0	241.1	2.0	49.0	16.6	66.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	
Coyame	453.2	4.0	113.3	38.0	161.6	1.0	54.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Cruz, La	377.2	4.0	94.3	27.0	118.6	2.0	34.0	57.1	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Cuauhtémoc	491.5	5.0	98.3	22.0	98.3	5.0	22.0	50.0	25.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	
Cusihuiriachi	152.8	1.0	152.8	31.0	152.8	1.0	31.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Chihuahua	469.7	3.0	156.6	38.0	156.6	3.0	38.0	55.5	22.2	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Chinipas	501.9	2.0	250.9	35.0	250.9	2.0	35.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Delicias	339.1	6.0	56.5	21.0	68.0	2.0	25.0	33.3	33.3	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	
Dr. B. Domínguez	439.5	4.0	109.8	25.0	192.5	1.0	43.0	83.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Galeana	282.8	6.0	47.1	15.0	134.7	1.0	44.0	75.0	0.0	0.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	
Santa Isabel	439.5	4.0	109.8	25.0	192.5	1.0	43.0	83.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Gómez Farías	238.4	1.0	238.4	50.0	238.4	1.0	50.0	71.4	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Gran Morelos	439.5	4.0	109.8	25.0	192.5	1.0	43.0	83.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Guachochi	519.5	3.0	173.1	32.0	173.1	3.0	32.0	28.5	14.2	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	
Guadalupe	322.0	5.0	64.4	27.0	100.4	1.0	42.0	55.5	22.2	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	
Guadalupe y Calvo	1479.5	5.0	295.9	32.0	295.9	5.0	32.0	75.0	0.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	
Guazapares	501.9	2.0	250.9	35.0	250.9	2.0	35.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Guerrero	839.2	6.0	139.8	24.0	190.7	1.0	33.0	42.8	14.2	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	
Hidalgo del Parral	336.8	3.0	112.2	29.0	133.6	1.0	35.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Huejilitán	478.5	5.0	95.7	30.0	169.7	1.0	53.0	40.0	20.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	
Ignacio Zaragoza	367.7	5.0	73.5	20.0	134.5	2.0	37.0	62.5	12.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	
Janos	440.2	8.0	55.0	16.0	118.7	1.0	35.0	66.6	0.0	16.6	0.0	0.0	11.1	0.0	0.0	16.6	0.0	0.0	
Jiménez	457.5	6.0	76.2	22.0	170.0	1.0	51.0	55.5	22.2	11.1	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	
Juárez	373.6	5.0	74.7	30.0	88.8	1.0	35.0	44.4	22.2	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	
Julimes	459.4	7.0	65.6	20.0	150.4	1.0	47.0	50.0	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	

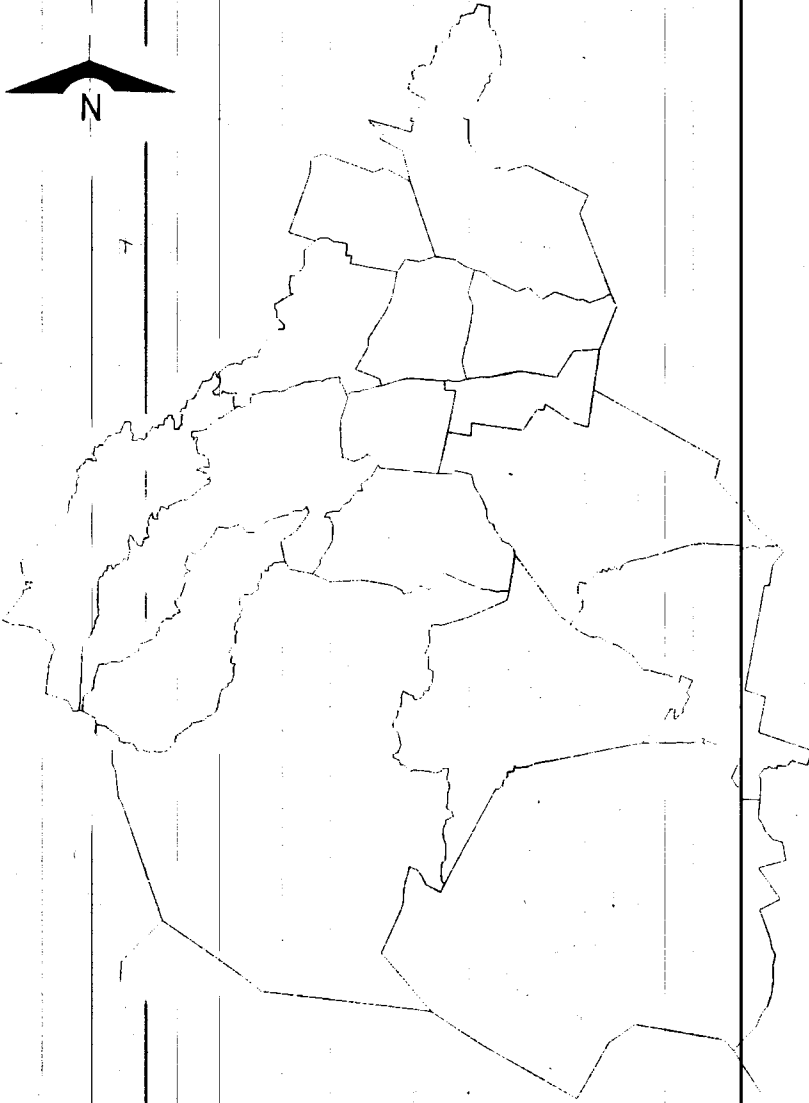
Tabla C.56. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Chihuahua.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones																
	Severidad		Duración		I ^m =Smáx/Dmáx		% de I ^m		Intensidad		Duración / Imáx		% de Imáx		1 año 2 años 3 años 4 años 5 años 6 años 7 años 8 años 9 años 10 años									
	S máx(mm)	D máx(años)	I ^m (mm/año)	respecto a X _s	I máx(mm/año)	D / máx(años)	respecto a X _s	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)			
López	386.3	4.0	96.5	30.0	120.4	2.0	37.0	33.3	44.4	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Madera	445.6	3.0	148.5	16.0	265.1	1.0	30.0	55.5	11.1	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Maguarichi	643.5	4.0	160.8	22.0	160.8	4.0	22.0	50.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Manuel Benav.	282.4	4.0	70.6	20.0	147.2	1.0	43.0	70.0	20.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Matachi	324.7	3.0	108.2	23.0	108.2	3.0	23.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Matamoros	600.1	4.0	150.0	29.0	245.7	2.0	47.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Meoqui	351.4	3.0	117.1	38.0	187.6	1.0	61.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Morelos	1325.1	6.0	220.8	24.0	220.8	6.0	24.0	57.1	0.0	28.5	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Moris	635.8	5.0	127.1	15.0	220.9	2.0	27.0	60.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Morelos	356.7	5.0	71.3	12.0	174.9	2.0	30.0	50.0	37.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Nonoava	338.6	2.0	169.3	37.0	169.3	2.0	37.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Nvo C. Grandes	537.3	6.0	89.5	26.0	89.5	6.0	26.0	50.0	0.0	25.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Ocampo	487.8	2.0	243.9	32.0	243.9	2.0	32.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Ojinaga	423.2	4.0	105.8	36.0	113.1	1.0	38.0	50.0	37.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Prax. S. G. Guerre	407.3	5.0	81.4	35.0	81.7	5.0	35.0	42.8	28.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Riva Palacio	439.5	4.0	109.8	25.0	192.5	1.0	43.0	83.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Rosales	437.4	6.0	72.9	24.0	86.8	1.0	29.0	57.1	0.0	28.5	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Rosario	417.3	2.0	208.6	47.0	208.6	2.0	47.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Sn Fco Borja	679.6	5.0	135.9	27.0	178.4	1.0	35.0	57.1	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Sn Fco Conchos	288.8	3.0	96.2	25.0	160.8	1.0	43.0	33.3	44.4	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Sn Fco Oro	568.5	5.0	113.7	34.0	148.8	2.0	44.0	33.3	50.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Santa Bárbara	496.5	3.0	165.5	44.0	165.5	3.0	44.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Satevó	417.3	2.0	208.6	47.0	208.6	2.0	47.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Saucillo	197.7	2.0	98.8	29.0	98.8	2.0	29.0	42.8	42.8	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Temósachi	447.1	3.0	149.0	31.0	149.0	3.0	31.0	33.3	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Tule, El	629.0	5.0	125.8	26.0	149.1	4.0	31.0	50.0	0.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Urique	766.4	4.0	191.6	26.0	191.6	4.0	26.0	62.5	0.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Uruáchi	588.5	3.0	196.1	23.0	479.2	1.0	56.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Valle de Zaragoza	642.0	5.0	128.4	33.0	186.1	2.0	48.0	57.1	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Estatad	295.6	5.0	59.1	12.0	86.5	1.0	18.0	55.5	22.2	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

Tabla C.56. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Chihuahua.

0.26 0.1 0.88
0.53 0.1 1.02

DISTRITO FEDERAL



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _a (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp mín(mm)	Hp mín
HA09002	1164.5	1151.0	157.7	-0.2	2.8	0.14	1159.0	1032.0	962.0	897.0	814.0	753.0	19.5	838.5	38.2
HA09003	896.1	886.8	155.5	0.6	3.9	0.22	708.0	555.0	451.0	348.0	205.0	87.0	7.0	425.5	11.9
HA09004	830.0	850.1	125.9	-0.6	4.5	0.15	842.0	749.0	687.0	629.0	553.0	496.0	35.2	528.6	67.1
HA09006	815.3	821.9	170.2	0.5	3.0	0.21	831.0	642.0	617.0	585.0	504.0	415.0	4.3	599.5	15.1
HA09007	612.7	600.3	121.2	0.1	2.8	0.20	599.0	522.0	476.0	432.0	377.0	336.0	29.9	361.0	65.4
HA09009	540.2	548.0	122.4	-0.2	4.1	0.23	543.0	463.0	423.0	356.0	258.0	185.0	31.0	252.6	52.8
HA09010	833.1	803.5	179.8	0.0	4.2	0.22	802.0	731.0	685.0	630.0	535.0	445.0	69.5	418.7	121.7
HA09011	614.3	593.2	142.6	0.5	4.9	0.23	812.0	497.0	421.0	348.0	254.0	182.0	8.2	391.2	13.3
HA09012	745.9	723.2	143.4	0.3	3.7	0.19	738.0	630.0	561.0	493.0	403.0	333.0	18.7	433.6	36.9
HA09013	636.6	650.7	96.9	-0.3	3.8	0.15	840.0	562.0	515.0	471.0	413.0	370.0	30.1	404.5	57.8
HA09014	782.5	755.0	125.3	0.7	4.4	0.16	758.0	697.0	659.0	624.0	577.0	543.0	23.5	564.6	64.6
HA09015	644.7	815.3	121.6	0.6	5.8	0.19	607.0	569.0	530.0	449.0	319.0	222.0	27.7	338.8	43.4
HA09019	1295.3	1241.5	206.3	0.1	3.7	0.18	1266.0	1141.0	1066.0	996.0	905.0	837.0	57.2	802.0	143.6
HA09020	987.4	977.7	171.0	0.3	3.4	0.17	974.0	844.0	760.0	673.0	551.0	451.0	12.1	658.1	22.5
HA09021	750.2	753.5	134.2	0.4	3.7	0.18	739.0	650.0	593.0	536.0	459.0	397.0	19.8	477.6	40.5
HA09022	1182.9	1160.0	363.3	2.7	15.9	0.31	1157.0	996.0	891.0	783.0	628.0	485.0	20.2	588.5	68.1
HA09023	836.9	789.5	104.0	0.3	2.8	0.12	792.0	748.0	727.0	707.0	683.0	665.0	8.3	702.0	24.3
HA09025	634.2	618.0	103.5	0.7	4.9	0.16	812.0	544.0	492.0	425.0	321.0	241.0	9.4	448.5	15.9
HA09026	583.0	589.2	122.0	-0.5	5.3	0.21	582.0	497.0	437.0	375.0	283.0	207.0	46.5	227.1	83.7
HA09028	673.5	652.9	153.7	0.4	2.9	0.23	654.0	545.0	481.0	421.0	342.0	282.0	8.5	440.3	15.9
HA09029	588.2	588.1	91.8	0.0	3.4	0.16	585.0	518.0	477.0	438.0	387.0	349.0	26.2	384.6	52.6
HA09030	1248.6	1233.0	241.2	0.4	3.2	0.19	1211.0	1038.0	932.0	826.0	675.0	549.0	12.9	793.0	24.6
HA09032	701.6	695.3	204.9	1.5	9.6	0.29	689.0	588.0	476.0	380.0	278.0	0.0	23.0	205.2	36.1
HA09033	788.0	751.5	135.5	0.3	3.3	0.18	750.0	662.0	607.0	553.0	478.0	418.0	15.0	520.5	30.0
HA09036	676.9	638.2	131.0	1.1	4.7	0.19	631.0	572.0	533.0	487.0	401.0	316.0	6.8	505.5	15.5
HA09037	900.8	885.8	165.4	0.2	2.7	0.18	888.0	765.0	692.0	623.0	533.0	464.0	11.9	613.0	22.0
HA09038	806.9	869.5	178.5	0.1	3.3	0.20	890.0	786.0	703.0	640.0	550.0	473.0	43.9	486.2	89.3
HA09039	792.9	755.5	132.5	0.8	4.2	0.17	754.0	698.0	646.0	588.0	423.0	321.0	14.4	545.5	21.8
HA09042	747.2	702.6	183.2	0.8	4.0	0.25	688.0	591.0	534.0	471.0	365.0	264.0	11.7	445.5	25.7
HA09043	575.4	581.5	94.8	-0.1	4.0	0.16	579.0	501.0	451.0	402.0	339.0	291.0	25.0	341.5	48.2
HA09044	763.3	751.9	117.1	-0.1	3.5	0.15	753.0	670.0	624.0	582.0	528.0	487.0	27.1	516.9	60.0
HA09045	723.9	701.5	82.9	1.5	7.0	0.11	702.0	681.0	650.0	579.0	486.0	416.0	10.5	609.1	15.1
HA09046	993.8	973.5	198.1	0.9	4.4	0.20	980.0	835.0	758.0	679.0	578.0	495.0	6.6	727.8	12.9
HA09047	706.2	700.3	144.0	-0.2	4.3	0.20	704.0	605.0	542.0	481.0	402.0	342.0	54.8	331.5	112.8
HA09050	913.1	872.2	192.5	0.8	6.0	0.21	874.0	755.0	570.0	386.0	173.0	6.0	7.8	543.8	11.1
HA09051	587.4	583.1	121.4	-0.1	2.8	0.21	586.0	489.0	433.0	381.0	313.0	261.0	15.2	354.4	28.4
HA09052	714.0	687.5	168.8	0.7	3.3	0.24	675.0	576.0	516.0	458.0	381.0	321.0	8.2	475.9	16.2
HA09054	781.8	773.0	151.8	0.1	3.0	0.19	780.0	666.0	574.0	493.0	381.0	294.0	9.4	525.5	15.2
HA09056	583.2	576.3	95.2	-0.1	4.0	0.16	577.0	508.0	464.0	420.0	362.0	317.0	18.0	388.3	33.3
HA09058	694.1	702.5	83.4	-0.2	4.1	0.12	702.0	636.0	593.0	551.0	495.0	452.0	15.3	534.2	26.4
HA09059	796.3	794.5	142.8	0.2	3.4	0.16	794.0	681.0	609.0	541.0	452.0	386.0	12.7	530.1	22.3
HA09070	720.7	706.0	137.3	0.4	3.9	0.19	706.0	595.0	524.0	457.0	370.0	305.0	7.3	507.9	11.8

Tabla C.57. Características estadísticas de la lluvia anual de cada estación climatológica del Distrito Federal.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA09002	899.5	960.4	1021.4	1082.3	1143.3	1204.2	1265.2	1326.1	1387.1	1448.0	3.5	10.7	7.1	3.5	17.8	17.8	3.5	17.8	10.7	7.1
HA09003	503.6	581.8	659.7	737.7	815.7	893.8	971.8	1049.9	1128.0	1206.0	8.9	19.6	14.2	17.8	17.8	10.7	8.9	0.0	0.0	1.7
HA09004	581.7	634.8	687.9	741.0	794.1	847.1	900.2	953.3	1006.4	1059.5	6.2	0.0	5.2	10.5	10.5	10.5	26.3	21.0	5.2	5.2
HA09006	648.5	697.4	746.4	795.3	844.3	893.2	942.2	991.1	1040.1	1089.0	20.0	13.3	8.6	6.6	20.0	8.6	0.0	6.6	0.0	20.0
HA09007	407.9	454.9	501.8	548.8	595.7	642.6	689.6	736.5	783.5	830.4	5.5	2.7	8.3	13.6	16.6	13.8	11.1	5.5	13.8	8.3
HA09009	309.1	365.7	422.2	478.8	535.3	591.8	648.4	704.9	761.5	818.0	7.1	0.0	3.5	17.8	17.8	17.8	21.4	10.7	0.0	3.5
HA09010	493.3	567.9	642.5	717.1	791.7	866.2	940.8	1015.4	1090.0	1164.6	5.9	0.0	0.0	15.0	20.0	25.0	10.0	10.0	5.0	10.0
HA09011	443.1	495.0	546.9	598.8	650.7	702.5	754.4	806.3	858.2	910.1	8.3	16.6	0.0	25.0	16.8	8.3	8.3	8.3	0.0	8.3
HA09012	500.0	566.5	632.9	699.4	765.8	832.2	898.7	965.1	1031.6	1098.0	5.2	2.6	7.8	26.3	15.7	18.4	10.5	5.2	5.2	2.8
HA09013	445.2	485.8	526.5	567.2	607.8	648.5	689.2	729.9	770.5	811.2	4.3	0.0	8.6	4.3	17.3	13.0	21.7	13.0	8.6	8.6
HA09014	615.4	666.1	716.9	767.6	818.4	869.1	919.9	970.6	1021.4	1072.1	5.4	5.5	16.8	27.7	22.2	0.0	5.5	11.1	0.0	5.5
HA09015	402.3	465.7	529.2	592.7	656.2	719.6	783.1	846.6	910.0	973.5	3.5	0.0	3.5	25.0	32.1	17.8	3.5	7.1	3.6	3.6
HA09019	891.7	981.4	1071.0	1160.7	1250.4	1340.1	1429.8	1519.4	1609.1	1698.8	3.7	0.0	3.7	14.8	29.6	7.4	14.8	7.4	11.1	7.4
HA09020	735.8	813.5	891.2	968.9	1046.7	1124.4	1202.1	1279.8	1357.5	1435.2	5.4	5.4	24.3	13.5	18.9	10.8	13.5	5.4	0.0	2.7
HA09021	537.3	597.0	656.7	716.4	776.1	835.7	895.4	955.1	1014.8	1074.5	3.4	6.8	13.7	20.8	10.3	20.8	10.3	6.8	3.4	3.4
HA09022	781.5	994.4	1207.4	1420.3	1633.3	1846.2	2059.2	2272.1	2485.1	2698.0	7.4	14.8	44.4	25.9	3.7	0.0	0.0	0.0	0.0	3.7
HA09023	731.8	761.5	791.3	821.0	850.8	880.5	910.3	940.0	969.8	999.5	23.0	0.0	30.7	0.0	0.0	7.8	7.6	7.6	7.6	15.3
HA09025	497.3	546.0	594.8	643.5	692.3	741.0	789.8	838.5	887.3	936.0	7.1	7.1	21.4	21.4	14.2	17.8	7.1	0.0	0.0	3.5
HA09026	290.8	354.2	417.7	481.2	544.7	608.3	671.8	735.3	798.9	862.4	2.9	2.9	0.0	2.9	23.5	26.4	20.5	11.7	5.8	2.9
HA09028	496.1	551.9	607.8	663.6	719.4	775.2	831.0	886.9	942.7	998.5	11.1	22.2	3.7	14.8	14.8	3.7	11.1	7.4	7.4	3.7
HA09029	422.9	481.2	539.5	597.8	656.1	714.4	772.7	831.0	889.3	947.6	5.4	2.7	5.4	18.2	10.8	24.3	10.8	10.8	2.7	10.8
HA09030	693.8	894.6	1095.4	1296.2	1497.0	1697.8	1898.5	2099.3	2299.1	2499.9	2.7	16.2	2.7	27.0	10.8	13.5	10.8	8.1	2.7	5.4
HA09032	330.1	455.0	579.8	704.7	829.6	954.5	1079.4	1204.2	1329.1	1454.0	2.9	0.0	14.7	38.2	32.3	5.8	0.0	2.9	0.0	2.9
HA09033	575.8	631.1	686.4	741.7	797.0	852.3	907.6	962.9	1018.3	1073.6	6.8	6.8	10.3	17.2	27.5	6.8	6.8	6.8	6.8	3.4
HA09036	555.5	605.5	655.4	705.4	755.4	805.4	855.4	905.3	955.3	1005.3	15.0	20.0	25.0	0.0	20.0	5.0	5.0	0.0	5.0	5.0
HA09037	674.8	736.1	797.4	858.7	920.0	981.3	1042.6	1103.9	1165.2	1226.5	11.1	2.7	11.1	22.2	8.3	16.6	5.5	8.3	5.5	8.3
HA09038	563.2	640.2	717.2	794.2	871.2	948.2	1025.2	1102.2	1179.2	1256.2	5.5	0.0	5.5	11.1	27.7	16.8	5.5	13.8	5.5	8.3
HA09039	604.4	663.4	722.3	781.3	840.2	899.1	958.1	1017.0	1076.0	1134.9	5.5	8.3	16.6	27.7	8.3	13.8	11.1	0.0	2.7	5.5
HA09042	520.3	595.1	669.9	744.7	819.5	894.3	969.1	1043.9	1118.7	1193.5	4.3	8.8	30.4	13.0	13.0	13.0	4.3	4.3	4.3	4.3
HA09043	386.7	431.9	477.1	522.3	567.5	612.6	657.8	703.0	748.2	793.4	5.5	0.0	2.7	16.6	19.4	25.0	11.1	13.8	0.0	5.5
HA09044	583.5	610.1	636.7	663.3	689.9	716.5	743.1	769.7	796.3	822.9	5.0	0.0	10.0	15.0	20.0	10.0	10.0	15.0	10.0	5.0
HA09045	645.3	681.6	717.8	754.0	790.3	826.5	862.7	898.9	935.2	971.4	15.0	5.0	45.0	5.0	15.0	5.0	5.0	0.0	0.0	5.0
HA09046	803.7	879.6	955.5	1031.4	1107.3	1183.2	1259.1	1335.0	1410.9	1486.8	15.0	20.0	10.0	20.0	15.0	0.0	5.0	10.0	0.0	5.0
HA09047	394.4	457.3	520.2	583.1	646.0	708.9	771.8	834.7	897.6	960.5	3.5	3.5	0.0	7.1	17.8	25.0	14.2	14.2	0.0	14.2
HA09050	835.0	728.3	617.5	506.8	396.0	285.2	174.4	63.6	48.7	33.8	4.7	9.5	14.2	28.5	9.5	19.0	9.5	0.0	0.0	4.7
HA09051	401.3	448.3	495.2	542.1	589.1	636.0	682.9	729.8	776.8	823.7	3.5	14.2	3.5	17.8	14.2	7.1	17.8	10.7	7.1	3.5
HA09052	632.7	589.5	546.4	503.2	460.0	416.8	373.6	330.5	287.3	244.1	9.5	19.0	14.2	19.0	4.7	9.5	4.7	0.0	9.5	9.5
HA09054	582.0	638.4	694.9	751.3	807.8	864.3	920.7	977.2	1033.6	1090.1	18.2	2.7	8.1	13.5	16.2	18.9	8.1	5.4	2.7	8.1
HA09056	428.8	485.3	541.8	598.3	654.8	711.3	767.8	824.3	880.8	937.3	10.0	0.0	5.0	10.0	30.0	15.0	10.0	0.0	15.0	5.0
HA09058	567.1	600.1	633.0	666.0	698.9	731.8	764.8	797.7	830.7	863.6	11.7	5.8	0.0	17.6	11.7	17.6	17.6	11.7	0.0	5.8
HA09059	584.9	639.7	694.5	749.3	804.0	858.8	913.6	968.4	1023.2	1078.0	4.7	14.2	4.7	9.5	19.0	23.8	4.7	4.7	4.7	9.5
HA09070	556.2	604.6	652.9	701.3	749.6	797.9	846.3	894.6	943.0	991.3	13.3	6.6	6.6	20.0	20.0	6.6	6.6	6.6	6.6	6.6

Tabla C.58. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del Distrito Federal.

Estación	Características promedio de la sequía meteorológica								Hvía disponible Hp disp S(mm)	Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X ₀			
HA09002	3.2	1.1	1.6	0.9	195.7	284.0	122.3	10.0	1042.1	4.6	NORMAL
HA09003	4.3	2.2	2.2	1.7	268.8	290.1	122.1	17.0	573.9	4.4	MUY SEVERA
HA09004	4.2	1.9	1.5	0.4	186.1	93.5	124.0	14.0	706.0	8.1	SEVERA
HA09006	6.0	3.0	2.3	1.2	338.3	145.5	147.0	18.0	668.3	3.0	MUY SEVERA
HA09007	3.1	1.0	1.6	0.9	146.2	118.8	91.3	14.0	521.3	5.0	SEVERA
HA09009	4.1	0.6	1.8	0.6	191.1	201.9	106.1	19.0	434.0	8.5	SEVERA
HA09010	3.1	1.1	2.1	1.2	226.7	188.5	107.9	12.0	725.2	5.5	MUY SEVERA
HA09011	3.6	0.4	1.7	0.8	163.4	79.2	96.1	15.0	518.2	4.1	SEVERA
HA09012	3.5	1.5	2.2	1.2	211.6	197.0	96.1	12.0	649.8	4.2	MUY SEVERA
HA09013	2.7	0.6	1.2	0.4	98.3	58.2	81.9	12.0	554.6	5.6	SEVERA
HA09014	3.5	1.5	2.1	1.1	167.4	126.0	79.7	10.0	702.8	4.5	SEVERA
HA09015	4.3	1.3	2.4	1.4	174.9	199.0	72.8	11.0	571.8	4.7	MODERADA
HA09019	3.2	1.1	1.6	0.9	243.1	197.3	151.9	11.0	1143.4	4.9	MUY SEVERA
HA09020	3.7	1.7	1.9	1.4	251.6	261.9	132.4	13.0	855.0	4.6	SEVERA
HA09021	4.1	0.8	2.0	0.9	216.9	131.4	108.4	14.0	641.7	5.5	SEVERA
HA09022	3.5	1.1	2.0	1.0	336.7	310.3	168.3	14.0	1014.6	4.5	MUY SEVERA
HA09023	2.7	0.8	1.3	0.4	119.3	45.0	91.7	10.0	745.1	5.4	MUY SEVERA
HA09025	3.2	1.3	1.7	1.3	125.8	70.8	74.0	11.0	560.2	3.9	NORMAL
HA09026	3.7	0.9	1.7	1.0	167.8	223.9	98.7	16.0	484.2	5.8	SEVERA
HA09028	4.0	1.5	2.0	1.4	240.8	226.0	120.4	17.0	553.0	4.6	SEVERA
HA09029	3.4	1.2	1.7	1.2	116.1	101.1	68.2	11.0	519.9	4.9	MUY SEVERA
HA09030	3.2	1.3	1.8	0.8	325.6	326.4	180.8	14.0	1067.8	4.1	SEVERA
HA09032	3.5	0.8	2.0	1.2	238.2	246.0	119.0	16.0	582.6	4.5	MUY SEVERA
HA09033	3.2	1.1	2.0	1.3	188.6	115.0	94.3	12.0	673.7	4.3	SEVERA
HA09036	3.0	0.8	1.7	0.4	145.7	77.9	85.7	12.0	591.2	3.5	MUY SEVERA
HA09037	4.3	2.7	2.0	1.5	269.6	211.5	134.8	14.0	766.0	5.0	SEVERA
HA09038	3.6	1.6	2.0	1.1	253.0	223.6	126.5	14.0	770.3	4.8	MUY SEVERA
HA09039	3.2	1.1	1.9	1.3	168.1	136.3	88.4	11.0	704.5	4.5	SEVERA
HA09042	5.2	2.2	2.5	1.7	337.3	225.6	134.9	18.0	612.2	3.9	MUY SEVERA
HA09043	4.3	1.4	1.8	1.2	144.4	160.9	80.2	13.0	495.1	5.4	SEVERA
HA09044	3.7	0.8	2.1	1.1	187.1	103.0	89.0	11.0	674.3	4.7	MUY SEVERA
HA09045	2.6	0.4	1.8	0.9	86.6	71.4	48.1	6.0	675.7	6.0	NORMAL
HA09046	3.2	0.9	2.1	1.3	248.9	107.8	118.5	11.0	875.3	3.6	MUY SEVERA
HA09047	3.7	1.4	1.8	0.7	185.6	173.6	103.1	14.0	603.0	5.1	SEVERA
HA09050	3.8	1.7	2.0	1.1	251.8	181.3	125.9	13.0	787.2	4.5	MUY SEVERA
HA09051	3.4	0.7	1.8	1.0	171.4	157.4	95.2	16.0	492.1	4.8	SEVERA
HA09052	4.5	1.8	2.6	1.8	280.7	309.6	107.9	15.0	606.1	3.6	MUY SEVERA
HA09054	5.8	3.7	2.7	2.1	314.7	325.1	116.5	14.0	666.0	4.7	SEVERA
HA09056	2.7	0.8	1.3	0.6	86.0	79.4	66.1	11.0	517.1	4.3	MUY SEVERA
HA09058	3.2	0.8	1.5	0.8	108.5	82.0	72.3	10.0	621.7	6.3	SEVERA
HA09059	4.0	0.8	1.8	0.6	192.9	66.7	107.1	13.0	691.1	4.6	NORMAL
HA09070	3.3	0.4	2.0	0.7	195.0	67.4	97.5	13.0	623.1	3.9	SEVERA
											MUY SEVERA

Tabla C.59. Características de la sequía promedio de cada estación climatológica del Distrito Federal.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I^*	Intensidad	Duración / máx	% de $I/m\acute{a}x$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I^*(mm/a\acute{o})$	respecto a X_c	$I/m\acute{a}x(mm/a\acute{o})$	$D / m\acute{a}x(a\acute{o}s)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA09002	909.0	4.0	227.2	19.0	232.1	2.0	19.0	55.5	33.3	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA09003	997.4	5.0	199.4	28.0	199.4	5.0	28.0	38.4	46.1	0.0	0.0	7.6	0.0	7.6	0.0	0.0	0.0
HA09004	328.9	2.0	164.4	19.0	194.2	1.0	23.0	40.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA09006	496.8	4.0	124.2	15.0	186.4	2.0	22.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA09007	349.9	2.0	174.9	28.0	174.9	2.0	28.0	58.3	25.0	3.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0
HA09009	684.6	3.0	228.2	42.0	228.2	3.0	42.0	28.5	57.1	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA09010	599.6	4.0	149.9	17.0	159.3	1.0	19.0	50.0	0.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA09011	273.2	2.0	136.6	22.0	149.8	1.0	24.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA09012	727.2	5.0	145.4	19.0	145.4	5.0	19.0	40.0	20.0	30.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
HA09013	232.0	1.0	232.0	36.0	232.0	1.0	36.0	77.7	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA09014	340.5	4.0	85.1	10.0	149.8	2.0	19.0	40.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA09015	635.9	5.0	127.1	19.0	127.1	5.0	19.0	42.8	14.2	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0
HA09019	576.6	2.0	288.3	22.0	288.3	2.0	22.0	55.5	33.3	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA09020	968.6	6.0	161.4	16.0	242.7	1.0	24.0	50.0	30.0	14.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
HA09021	438.9	2.0	219.4	29.0	219.4	2.0	29.0	42.8	14.2	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA09022	833.8	4.0	208.4	17.0	315.9	2.0	26.0	37.5	37.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA09023	198.2	2.0	99.1	11.0	116.3	1.0	13.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA09025	227.8	2.0	113.9	17.0	185.7	1.0	29.0	66.6	11.1	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0
HA09026	790.9	4.0	197.7	33.0	197.7	4.0	33.0	55.5	22.2	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA09028	697.9	5.0	139.5	20.0	218.4	1.0	32.0	57.1	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA09029	278.8	3.0	92.9	15.0	143.3	1.0	24.0	63.6	18.1	9.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
HA09030	1125.7	3.0	375.2	30.0	375.2	3.0	30.0	45.4	27.2	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA09032	730.6	4.0	182.6	26.0	182.6	4.0	26.0	55.5	11.1	11.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0
HA09033	341.6	4.0	85.4	11.0	247.5	1.0	32.0	62.5	0.0	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA09036	275.8	2.0	137.9	20.0	137.9	2.0	20.0	28.5	71.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA09037	668.7	3.0	222.9	24.0	222.9	3.0	24.0	55.5	22.2	11.1	0.0	0.0	11.1	0.0	0.0	0.0	0.0
HA09038	787.0	5.0	157.4	17.0	227.6	2.0	25.0	40.0	40.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
HA09039	546.7	5.0	109.3	13.0	157.5	1.0	19.0	54.5	27.2	0.0	9.0	9.0	0.0	0.0	0.0	0.0	0.0
HA09042	742.0	6.0	123.6	16.0	214.3	2.0	28.0	20.0	60.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA09043	573.0	5.0	114.6	19.0	195.6	1.0	33.0	55.5	22.2	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0
HA09044	330.5	4.0	82.6	10.0	127.8	2.0	16.0	40.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA09045	235.5	4.0	58.8	8.0	59.8	2.0	8.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA09046	453.7	4.0	113.4	11.0	266.0	1.0	26.0	50.0	16.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA09047	509.3	2.0	254.6	36.0	254.6	2.0	36.0	37.5	37.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA09050	621.3	3.0	207.1	22.0	220.5	1.0	24.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA09051	556.4	4.0	139.1	23.0	165.5	1.0	28.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA09052	870.3	6.0	145.0	20.0	145.0	6.0	20.0	40.0	20.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA09054	829.7	6.0	138.2	17.0	138.2	6.0	17.0	42.8	28.5	0.0	0.0	0.0	28.5	0.0	0.0	0.0	0.0
HA09056	220.6	3.0	73.5	12.0	194.9	1.0	33.0	75.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA09058	237.3	3.0	79.1	11.0	135.3	1.0	19.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA09059	268.1	1.0	268.1	33.0	268.1	1.0	33.0	33.3	50.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA09070	243.6	2.0	121.8	16.0	121.8	2.0	16.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.60. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del Distrito Federal.

Delegación	Estadísticos de la lluvia promedio por Delegación					Lámina de lluvia mínima anual de diferentes períodos de retorno (Tr)						Tr(años)		Lluvia mínima	
	Media	Mediana	Desv Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para	
	X_c (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp mín(mm)	Hp mín	
Azcapotzalco	667.8	668.4	130.8	0.4	3.3	0.20	673.0	559.0	485.0	413.0	320.0	250.0	9.7	425.5	17.7
Coyoacán	756.8	750.3	106.8	0.2	4.0	0.14	748.0	683.0	639.0	592.0	521.0	459.0	24.3	536.3	41.7
Cuajimalpa	1117.0	1067.5	194.1	0.4	2.8	0.17	1073.0	956.0	889.0	826.0	742.0	677.0	16.0	771.6	36.2
Gustavo A. Madero	640.6	635.9	101.3	0.0	3.8	0.16	625.0	574.0	519.0	447.0	355.0	287.0	22.2	386.6	36.5
Iztacalco	593.6	575.7	99.0	0.8	4.7	0.17	571.0	509.0	465.0	411.0	320.0	243.0	9.6	418.9	18.2
Iztapalapa	652.4	618.6	117.7	0.7	2.9	0.18	615.0	559.0	527.0	496.0	454.0	421.0	12.3	473.6	32.7
Magdalena Contreras	998.1	977.1	151.8	0.0	2.8	0.15	988.0	887.0	799.0	736.0	655.0	594.0	16.0	697.0	31.1
Milpa Alta	739.6	712.3	175.3	2.6	12.3	0.24	719.0	630.0	572.0	516.0	440.0	379.0	4.1	557.5	12.0
Álvaro Obregón	928.0	920.2	166.4	0.3	3.6	0.18	905.0	790.0	707.0	616.0	477.0	363.0	14.5	583.3	25.1
Tláhuac	741.2	705.8	181.1	2.3	10.9	0.24	719.0	644.0	591.0	531.0	415.0	264.0	8.3	511.3	24.3
Tlalpan	924.8	923.5	130.3	0.2	4.3	0.14	938.0	855.0	802.0	750.0	684.0	634.0	31.4	661.4	68.6
Xochimilco	681.2	696.6	120.5	0.1	3.3	0.18	686.0	556.0	502.0	446.0	361.0	290.0	9.5	454.8	18.1
Benito Juárez	716.3	700.0	139.2	0.3	3.1	0.19	715.0	605.0	536.0	470.0	383.0	318.0	10.2	477.1	18.5
Cuauhtémoc	705.9	710.9	129.2	-0.3	4.2	0.18	713.0	607.0	539.0	475.0	392.0	329.0	45.2	338.8	90.1
Miguel Hidalgo	814.3	789.5	170.2	1.6	8.6	0.21	788.0	682.0	606.0	520.0	388.0	218.0	7.7	543.8	16.7
Venustiano Carranza	620.1	605.5	113.4	0.1	3.2	0.18	605.0	529.0	484.0	441.0	387.0	346.0	33.2	361.0	77.2
Estatal	725.7	738.0	131.6	-0.1	2.9	0.18	733.0	619.0	543.0	468.0	368.0	290.0	12.5	460.0	21.6

Tabla C.61. Características estadísticas de la lluvia anual de cada delegación del Distrito Federal.

Delegación	Deciles de la lluvia promedio por Delegación										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Azcapotzalco	487.2	548.9	610.6	672.3	734.0	795.7	857.4	919.1	980.8	1042.5	7.1	16.0	10.7	19.6	19.6	10.7	10.7	1.7	1.7	1.7
Coyoacán	578.0	619.6	661.3	702.9	744.6	786.3	827.9	869.6	911.2	952.9	5.0	5.0	10.0	5.0	25.0	20.0	10.0	5.0	0.0	15.0
Cuajimalpa	845.7	919.8	993.9	1068.0	1142.1	1216.1	1290.2	1364.3	1438.4	1512.5	7.5	7.5	7.5	27.5	10.0	12.5	10.0	2.5	7.5	7.5
Gustavo A. Madero	436.6	486.6	536.5	586.5	636.5	686.5	736.5	786.4	836.4	886.4	2.6	2.6	5.2	21.0	18.4	15.7	18.4	10.5	2.6	2.6
Iztacalco	468.2	517.5	566.7	616.0	665.3	714.6	763.9	813.1	862.4	911.7	9.5	9.5	28.5	16.6	11.9	16.6	2.3	2.3	0.0	2.3
Iztapalapa	517.3	561.1	604.8	648.5	692.3	736.0	779.7	823.4	867.2	910.9	5.8	17.6	23.5	14.7	8.8	2.9	8.8	2.9	8.8	5.8
Magdalena Contreras	756.0	815.1	874.1	933.1	992.1	1051.2	1110.2	1169.2	1228.3	1287.3	8.1	5.4	2.7	21.6	13.5	10.8	13.5	8.1	8.1	8.1
Milpa Alta	647.2	736.8	826.4	916.1	1005.8	1095.4	1185.1	1274.7	1364.4	1454.0	32.3	23.5	32.3	5.8	0.0	0.0	0.0	2.9	0.0	2.9
Álvaro Obregón	660.1	737.0	813.8	890.6	967.5	1044.3	1121.1	1197.9	1274.8	1351.6	5.1	5.1	12.8	20.5	20.5	10.2	17.9	2.5	0.0	5.1
Tláhuac	605.6	698.8	794.1	888.4	982.7	1076.9	1171.2	1265.5	1359.7	1454.0	14.7	32.3	35.2	8.8	2.9	0.0	0.0	2.9	0.0	2.9
Tlalpan	717.7	774.0	830.3	886.6	942.8	999.1	1055.4	1111.7	1168.0	1224.3	7.1	7.1	7.1	14.2	21.4	21.4	7.1	7.1	0.0	7.1
Xochimilco	506.6	558.3	610.1	661.8	713.6	765.4	817.1	868.9	920.6	972.4	7.1	10.7	14.2	10.7	14.2	14.2	21.4	3.5	0.0	3.5
Benito Juárez	534.0	590.9	647.7	704.5	761.5	818.4	875.3	932.1	989.0	1045.9	10.0	12.5	5.0	25.0	12.5	10.0	12.5	7.5	0.0	5.0
Cuauhtémoc	400.9	462.9	525.0	587.0	649.1	711.2	773.2	835.3	897.3	959.4	2.8	0.0	2.8	14.2	11.4	20.0	17.1	17.1	8.5	5.7
Miguel Hidalgo	635.0	726.3	817.5	908.8	1000.0	1091.2	1182.5	1273.7	1365.0	1456.2	8.8	17.6	35.2	17.6	11.7	5.8	0.0	0.0	0.0	2.9
Venustiano Carranza	410.8	460.6	510.4	560.2	610.1	659.9	709.7	759.5	809.3	859.1	2.7	2.7	11.1	8.3	25.0	22.2	0.0	16.6	5.5	5.5
Estatal	518.9	577.8	636.6	695.5	754.4	813.3	872.2	931.0	989.9	1048.8	5.1	13.7	5.1	12.0	25.8	10.3	17.2	3.4	5.1	1.7

Tabla C.62. Deciles y probabilidad de ocurrencia de la lluvia anual de cada delegación del Distrito Federal.

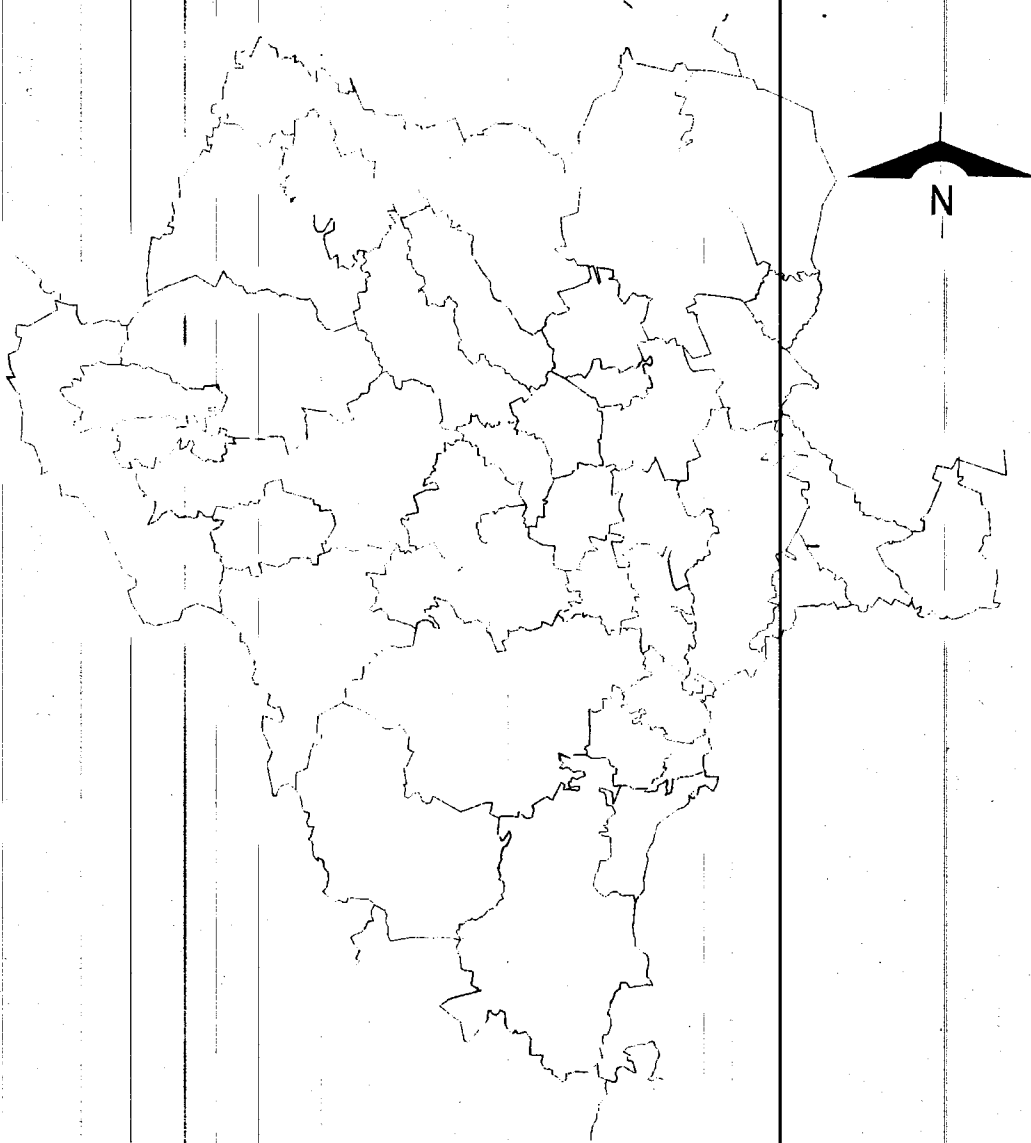
Delegación	Características promedio de la sequía meteorológica por Delegación									Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	lluvia disponible		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s	Hp disp S(mm)	Hp disp S(mm)	
Azcapotzalco	4.0	1.2	1.9	1.0	206.4	208.1	108.6	16.0	559.1	5.0	SEVERA
Coyoacán	3.7	1.4	2.0	1.0	155.5	123.3	77.7	10.0	679.0	5.3	MODERADA
Cuajimalpa	3.6	1.3	2.1	1.1	287.8	284.6	137.0	12.0	979.9	4.0	MUY SEVERA
Gustavo A. Madero	3.1	0.9	1.8	0.9	138.8	93.7	77.1	12.0	563.5	6.2	SEVERA
Iztacalco	3.1	1.1	1.8	1.2	124.1	85.5	68.9	11.0	524.6	3.9	SEVERA
Iztapalapa	4.2	2.1	2.7	1.8	205.3	183.1	76.0	11.0	576.3	3.6	MUY SEVERA
Magdalena Contreras	4.2	3.4	2.1	1.5	253.8	224.2	120.8	12.0	877.2	4.5	MUY SEVERA
Milpa Alta	3.5	1.3	2.1	1.4	205.2	160.9	97.7	13.0	641.8	4.4	MUY SEVERA
Álvaro Obregón	4.7	1.9	2.3	2.2	278.4	445.4	121.0	13.0	807.0	4.3	MUY SEVERA
Tláhuac	3.9	2.2	2.6	2.0	243.6	257.8	93.6	12.0	647.5	4.8	MUY SEVERA
Tlalpan	4.7	2.7	2.3	0.9	217.4	123.8	94.5	10.0	830.2	6.9	MODERADA
Xochimilco	6.0	4.1	2.3	1.0	276.9	124.3	120.3	17.0	560.8	4.7	MUY SEVERA
Benito Juárez	3.1	0.9	1.6	0.7	166.8	155.2	104.2	14.0	612.1	4.7	SEVERA
Cuauhtémoc	4.0	2.0	1.8	1.2	193.5	269.9	107.5	15.0	598.3	5.5	SEVERA
Miguel Hidalgo	2.9	0.8	1.8	0.8	183.7	147.5	102.0	12.0	712.2	3.8	SEVERA
Venustiano Carranza	3.1	1.2	1.8	1.1	143.9	125.0	79.9	12.0	540.2	4.3	SEVERA
Estatad	5.2	4.6	2.1	1.8	268.7	401.6	127.9	17.0	597.7	6.1	MUY SEVERA

Tabla C.63. Características de la sequía promedio de cada delegación de Distrito Federal.

Delegación	Características máximas de la sequía meteorológica por Delegación							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^s =Smáx/Dmáx	% de I ^s	Intensidad	Duración / máx	% de I / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I ^s (mm/año)	respecto a X _s	I máx(mm/año)	D / máx(años)	respecto a X _s	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Azcapotzalco	856.0	5.0	171.2	25.0	171.2	5.0	25.0	35.7	50.0	7.1	0.0	7.1	0.0	0.0	0.0	0.0	0.0
Coyoacán	313.5	4.0	78.3	10.0	136.9	2.0	18.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Cuajimalpa	910.3	5.0	182.0	16.0	243.5	3.0	21.0	36.3	27.2	27.2	0.0	9.0	0.0	0.0	0.0	0.0	0.0
Gustavo A. M.	307.0	2.0	153.5	23.0	153.5	2.0	23.0	45.4	36.3	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
Iztacalco	318.6	4.0	79.6	13.0	173.6	1.0	29.0	53.8	30.7	0.0	7.6	7.6	0.0	0.0	0.0	0.0	0.0
Iztapalapa	561.2	7.0	80.1	12.0	130.7	3.0	20.0	25.0	37.5	12.5	12.5	0.0	0.0	12.5	0.0	0.0	0.0
Magdalena C.	716.5	6.0	119.4	11.0	240.7	1.0	24.0	44.4	33.3	11.1	0.0	0.0	11.1	0.0	0.0	0.0	0.0
Milpa Alta	458.3	5.0	91.6	12.0	182.0	1.0	24.0	55.5	11.1	11.1	11.1	11.1	0.0	0.0	0.0	0.0	0.0
Álvaro Obregón	1491.5	8.0	186.4	20.0	186.4	8.0	20.0	66.6	0.0	11.1	11.1	0.0	0.0	0.0	11.1	0.0	0.0
Tláhuac	743.2	7.0	106.1	14.0	204.2	2.0	27.0	50.0	12.5	0.0	25.0	0.0	0.0	12.5	0.0	0.0	0.0
Tlalpan	387.2	2.0	193.6	20.0	193.6	2.0	20.0	16.6	50.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Xochimilco	433.3	4.0	108.3	15.0	134.9	3.0	19.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Benito Juárez	485.5	3.0	161.8	22.0	190.5	2.0	26.0	53.8	30.7	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cuauhtémoc	942.0	5.0	188.3	26.0	188.3	5.0	26.0	55.5	22.2	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0
Miguel Hidalgo	515.8	3.0	171.9	21.0	191.3	2.0	23.0	45.4	27.2	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Venustiano C.	364.8	2.0	182.4	29.0	182.4	2.0	29.0	54.5	27.2	0.0	18.1	0.0	0.0	0.0	0.0	0.0	0.0
Estatad	1502.3	8.0	187.7	25.0	191.1	2.0	26.0	36.3	54.5	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0

Tabla C.64. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada delegación del Distrito Federal.

DURANGO



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima registrada	Tr(años) para	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años				
	X _c (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)				
HA10002	523.8	509.3	172.7	0.1	2.8	0.33	504.0	380.0	312.0	250.0	170.0	109.0	26.3	159.0	56.4
HA10003	1400.0	1341.4	349.3	2.2	11.9	0.25	1393.0	1174.0	1029.0	891.0	710.0	574.0	5.8	967.9	13.6
HA10004	272.5	259.0	85.7	0.7	4.2	0.31	260.0	214.0	185.0	157.0	120.0	90.0	20.1	121.0	48.3
HA10005	281.5	269.5	110.5	0.6	3.3	0.39	263.0	200.0	162.0	126.0	79.0	45.0	10.9	118.0	23.3
HA10006	635.0	635.0	161.7	0.2	2.4	0.25	621.0	493.0	424.0	359.0	276.0	213.0	12.4	347.5	22.6
HA10007	590.6	580.0	145.0	0.5	2.7	0.25	561.0	454.0	420.0	386.0	335.0	288.0	6.0	398.5	15.6
HA10008	309.3	310.8	124.9	0.4	2.6	0.40	278.0	190.0	175.0	159.0	130.0	89.0	4.5	151.0	27.0
HA10010	486.9	479.5	108.6	0.4	3.0	0.22	452.0	389.0	365.0	342.0	311.0	285.0	8.8	336.0	24.0
HA10012	349.2	323.7	118.7	0.6	3.1	0.34	326.0	255.0	212.0	171.0	117.0	76.0	13.5	144.8	31.0
HA10014	757.4	752.4	210.2	0.0	3.3	0.28	756.0	584.0	473.0	364.0	218.0	104.0	11.9	356.8	20.9
HA10017	1008.8	848.3	400.0	1.0	4.2	0.40	825.0	667.0	571.0	456.0	225.0	0.0	4.7	526.0	13.4
HA10018	1434.2	1463.4	320.5	0.1	4.2	0.22	1449.0	1200.0	1036.0	876.0	663.0	498.0	27.8	647.3	53.5
HA10020	246.6	250.0	113.1	0.6	4.0	0.46	163.4	63.3	0.0	0.0	0.0	0.0	2.6	89.0	3.9
HA10021	378.7	388.0	111.9	0.0	2.9	0.30	376.0	285.0	231.0	180.0	115.0	66.0	14.1	162.8	25.5
HA10022	561.2	544.5	182.7	0.9	5.0	0.33	540.0	443.0	379.0	315.0	225.0	148.0	11.9	287.5	26.6
HA10023	511.0	505.4	132.5	0.3	2.4	0.26	491.0	387.0	325.0	267.0	193.0	138.0	4.9	347.7	7.7
HA10024	475.3	473.0	128.2	-0.1	3.2	0.27	468.0	365.0	308.0	254.0	185.0	134.0	19.9	204.9	38.4
HA10026	871.8	810.8	224.5	0.8	4.2	0.26	804.0	690.0	615.0	526.0	369.0	225.0	9.8	527.0	19.9
HA10027	549.2	537.0	130.1	0.3	2.5	0.24	531.0	439.0	385.0	335.0	270.0	222.0	10.4	337.0	19.4
HA10028	434.7	427.0	126.3	0.2	2.5	0.29	421.0	329.0	276.0	226.0	161.0	111.0	13.9	204.0	27.4
HA10029	562.8	561.3	179.7	0.6	4.1	0.32	553.0	425.0	334.0	235.0	82.0	0.0	9.2	265.4	16.3
HA10030	427.2	441.5	149.7	-0.5	3.1	0.35	438.0	308.0	233.0	163.0	74.0	7.0	20.9	106.0	35.8
HA10031	781.9	747.1	180.8	0.6	3.7	0.23	734.0	636.0	578.0	520.0	435.0	361.0	12.6	492.8	27.3
HA10035	377.9	364.2	111.9	0.2	4.2	0.30	366.0	279.0	224.0	172.0	103.0	51.0	9.9	182.7	17.3
HA10037	774.9	771.4	151.3	-0.8	4.4	0.20	794.0	652.0	582.0	520.0	440.0	381.0	29.9	429.3	56.8
HA10038	1305.3	1289.0	258.5	0.3	3.2	0.20	1275.0	1094.0	982.0	874.0	729.0	615.0	13.2	840.1	24.9
HA10042	1212.0	1162.5	220.0	0.6	3.0	0.18	1163.0	1010.0	969.0	917.0	798.0	674.0	6.6	916.0	20.3
HA10043	710.1	712.5	131.3	0.5	4.1	0.18	695.0	611.0	559.0	509.0	442.0	391.0	10.3	508.9	19.9
HA10044	706.3	704.0	245.8	-0.2	3.7	0.35	708.0	538.0	417.0	285.0	95.0	0.0	19.3	194.6	31.3
HA10045	335.1	334.5	104.6	0.8	4.2	0.31	299.0	231.0	199.0	154.0	65.0	0.0	3.4	207.0	8.5
HA10046	403.0	409.5	140.2	0.7	4.3	0.35	389.0	302.0	242.0	180.0	88.0	6.0	11.6	173.5	21.4
HA10047	467.4	489.3	88.2	-0.8	3.4	0.19	481.0	407.0	359.0	312.0	251.0	206.0	20.1	277.7	33.5
HA10048	703.6	701.7	211.3	0.6	3.6	0.30	672.0	514.0	410.0	305.0	157.0	35.0	6.0	408.0	10.2
HA10051	656.9	612.0	146.0	0.7	3.5	0.22	606.0	534.0	494.0	454.0	396.0	345.0	10.1	436.0	26.9
HA10052	501.1	456.9	115.2	1.2	5.4	0.23	466.0	424.0	393.0	352.0	285.0	179.0	13.6	332.7	25.8
HA10054	488.3	483.2	133.5	-0.2	3.1	0.27	509.0	346.0	297.0	253.0	196.0	150.0	17.9	205.9	42.6
HA10056	361.7	335.0	163.6	0.7	3.7	0.45	323.0	218.0	147.0	68.0	0.0	0.0	9.3	80.0	18.1
HA10057	429.1	445.4	134.6	-0.6	5.2	0.31	436.0	326.0	255.0	186.0	98.0	32.0	20.6	132.7	34.9
HA10058	1369.6	1343.5	235.2	0.3	2.5	0.17	1316.0	1163.0	1087.0	1017.0	928.0	862.0	10.5	1006.0	22.5
HA10059	449.4	463.5	127.5	0.3	2.8	0.28	405.0	327.0	305.0	283.0	245.0	203.0	7.3	273.6	25.8

Tabla C.65. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Durango.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años) primer	lluvia mínima registrada	Tr(años) para
	Media	Mediana	Desv	Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años			
	X _o (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p min(mm)	H _p min
HA10060	360.4	350.9	127.4	0.3	2.7	0.35	345.0	249.0	196.0	144.0	74.0	18.0	12.7	128.5	24.6
HA10061	486.9	436.0	193.1	0.6	3.2	0.40	422.0	310.0	245.0	179.0	79.0	0.0	4.4	253.5	9.2
HA10062	492.4	518.2	148.0	0.2	2.8	0.30	492.0	343.0	296.0	248.0	175.0	108.0	6.3	273.1	14.0
HA10063	310.4	310.4	96.7	0.4	3.1	0.31	311.0	225.0	169.0	115.0	46.0	0.0	8.2	147.5	13.1
HA10064	837.5	829.9	293.9	0.4	3.9	0.35	798.0	590.0	458.0	323.0	129.0	0.0	9.0	353.9	17.1
HA10065	472.4	493.3	129.4	-0.2	3.1	0.27	483.0	389.0	331.0	275.0	204.0	151.0	25.6	205.5	49.1
HA10066	379.1	413.5	103.5	-0.4	3.4	0.27	400.0	267.0	233.0	206.0	167.0	134.0	15.0	181.0	36.6
HA10068	468.2	455.7	120.4	1.0	4.7	0.26	410.0	371.0	338.0	262.0	141.0	51.0	12.9	264.3	19.7
HA10069	285.1	275.5	152.7	1.3	6.1	0.54	279.0	172.0	103.0	36.0	0.0	0.0	7.2	61.6	15.3
HA10070	426.0	428.0	147.5	0.2	3.6	0.35	421.0	302.0	223.0	144.0	35.0	0.0	13.2	120.0	24.6
HA10071	829.8	764.5	234.8	0.3	3.4	0.28	781.0	643.0	562.0	478.0	351.0	239.0	16.2	407.8	33.9
HA10072	246.2	249.4	89.5	1.1	6.4	0.36	245.0	185.0	146.0	108.0	59.0	23.0	7.3	123.3	15.1
HA10074	419.1	402.5	131.9	0.4	2.5	0.31	383.0	294.0	242.0	193.0	130.0	83.0	7.3	222.4	13.1
HA10075	578.0	593.0	101.9	-0.9	6.5	0.18	585.0	517.0	472.0	427.0	365.0	316.0	55.4	315.8	100.3
HA10076	531.1	516.5	143.9	0.1	2.1	0.27	514.0	398.0	355.0	316.0	266.0	229.0	7.5	328.5	15.9
HA10077	435.3	429.5	151.0	-0.2	2.8	0.35	430.0	307.0	244.0	186.0	113.0	58.0	17.4	141.6	34.8
HA10078	443.4	436.5	110.3	0.6	4.9	0.25	430.0	352.0	320.0	278.0	221.0	176.0	11.2	271.3	22.3
HA10079	1051.7	1040.0	313.9	0.2	3.6	0.30	1029.0	816.0	685.0	561.0	399.0	275.0	18.0	452.5	36.9
HA10081	420.4	410.0	100.9	-0.2	3.6	0.24	409.0	338.0	298.0	262.0	215.0	181.0	24.4	215.7	49.8
HA10082	1240.5	1102.5	589.5	2.4	11.6	0.48	1097.0	817.0	610.0	354.0	0.0	0.0	3.6	598.1	10.4
HA10083	666.8	669.5	169.5	0.7	4.5	0.25	660.0	485.0	442.0	372.0	230.0	119.0	3.5	447.0	9.3
HA10084	474.9	472.3	107.7	0.3	3.3	0.23	476.0	390.0	335.0	282.0	214.0	163.0	17.2	241.9	34.2
HA10085	232.6	237.0	77.5	-0.3	2.7	0.33	253.0	137.0	119.0	105.0	84.0	65.0	6.4	102.3	22.3
HA10086	1169.3	1199.2	269.0	0.1	3.1	0.25	1180.0	968.0	815.0	678.0	502.0	370.0	16.1	606.8	28.9
HA10087	1277.0	1267.2	262.5	1.1	5.9	0.21	1241.0	1076.0	969.0	863.0	716.0	594.0	6.6	931.7	12.8
HA10088	499.2	486.2	106.0	0.2	2.8	0.21	491.0	405.0	359.0	315.0	257.0	212.0	8.8	328.3	16.1
HA10090	482.2	452.1	138.3	0.5	2.9	0.29	432.0	361.0	330.0	293.0	215.0	137.0	10.7	276.5	25.4
HA10091	924.1	924.0	209.1	0.4	4.2	0.23	770.2	585.4	463.0	345.6	193.7	79.9	3.7	559.7	5.8
HA10092	470.9	445.4	111.3	0.9	5.4	0.24	439.0	378.0	340.0	298.0	229.0	166.0	6.4	324.6	13.0
HA10093	874.2	887.0	411.8	0.9	4.6	0.47	851.0	571.0	392.0	222.0	2.0	0.0	7.2	307.9	14.1
HA10096	731.7	699.0	375.1	1.7	8.9	0.51	687.0	461.0	294.0	98.0	0.0	0.0	5.2	309.5	9.4
HA10098	403.5	415.2	105.9	0.2	3.5	0.26	408.0	320.0	263.0	208.0	138.0	86.0	7.7	246.5	12.3
HA10100	394.9	399.5	137.0	0.0	2.4	0.35	388.0	282.0	221.0	165.0	94.0	41.0	14.0	143.5	26.4
HA10102	455.4	427.8	162.1	0.4	3.0	0.36	422.0	321.0	266.0	214.0	146.0	94.0	7.8	230.5	16.0
HA10103	778.6	755.5	141.2	0.7	4.2	0.18	769.0	663.0	595.0	530.0	444.0	379.0	7.1	571.2	12.9
HA10109	659.7	584.3	352.1	2.3	11.4	0.53	608.0	425.0	302.0	181.0	10.0	0.0	3.7	347.1	7.7
HA10110	461.6	433.0	132.2	0.6	3.4	0.29	443.0	367.0	320.0	272.0	207.0	154.0	13.9	246.0	29.3
HA10118	460.1	429.8	168.4	0.7	4.1	0.37	394.0	311.0	268.0	220.0	130.0	40.0	6.8	230.0	17.4
HA10119	447.4	456.8	142.0	0.3	3.1	0.32	447.0	312.0	280.0	251.0	212.0	181.0	4.7	275.6	11.1
HA10121	895.2	917.0	164.3	-0.2	4.4	0.18	774.3	629.0	532.8	440.5	321.1	231.6	4.1	601.3	6.1
HA10122	821.6	797.9	183.5	0.0	4.2	0.22	787.0	671.0	601.0	535.0	450.0	387.0	14.2	507.5	26.8

Tabla C.65. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Durango.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA10002	225.6	292.2	358.8	425.4	492.0	558.6	625.2	691.8	758.4	825.0	3.3	3.3	6.6	16.6	20.0	13.3	10.0	6.6	6.6	13.3
HA10003	1143.3	1318.8	1494.2	1669.7	1845.1	2020.5	2196.0	2371.4	2546.9	2722.3	24.0	12.0	28.0	28.0	4.0	0.0	0.0	0.0	0.0	4.0
HA10004	156.6	192.3	227.9	263.6	299.2	334.8	370.5	406.1	441.8	477.4	4.3	8.6	13.0	30.4	13.0	8.6	8.6	4.3	4.3	4.3
HA10005	157.5	196.9	236.4	275.8	315.2	354.7	394.1	433.6	473.0	512.5	13.0	13.0	13.0	17.3	17.3	0.0	8.6	4.3	4.3	8.6
HA10006	403.5	459.5	515.5	571.5	627.5	683.5	739.5	795.5	851.5	907.5	3.4	13.7	13.7	6.8	6.8	17.2	6.8	10.3	6.8	13.7
HA10007	444.8	491.1	537.4	583.7	629.9	676.2	722.5	768.8	815.1	861.4	14.2	23.8	9.5	4.7	4.7	19.0	4.7	0.0	9.5	9.5
HA10008	192.4	233.7	275.1	316.5	357.9	399.2	440.6	482.0	523.3	564.7	20.0	25.0	0.0	5.0	10.0	20.0	0.0	15.0	0.0	5.0
HA10010	368.9	401.9	434.8	467.8	500.7	533.6	566.6	599.5	632.5	665.4	7.1	21.4	14.2	7.1	0.0	14.2	14.2	0.0	7.1	14.2
HA10012	193.6	242.4	291.3	340.1	388.9	437.7	486.5	535.4	584.2	633.0	7.5	7.5	20.0	22.5	15.0	2.5	10.0	5.0	7.5	2.5
HA10014	445.8	534.8	623.8	712.8	801.9	890.9	979.9	1068.9	1157.9	1246.9	10.8	5.4	5.4	21.6	16.2	13.5	10.8	10.8	2.7	2.7
HA10017	675.9	825.7	975.6	1125.4	1275.3	1425.1	1575.0	1724.8	1874.7	2024.5	20.0	30.0	5.0	15.0	5.0	5.0	15.0	0.0	0.0	5.0
HA10018	799.9	952.5	1105.1	1257.7	1410.3	1562.8	1715.4	1868.0	2020.6	2173.2	3.0	0.0	12.1	15.1	12.1	24.2	21.2	6.0	0.0	6.0
HA10020	131.7	174.4	217.1	259.8	302.5	345.2	387.9	430.6	473.3	516.0	16.6	22.2	5.5	11.1	5.5	22.2	11.1	0.0	0.0	5.5
HA10021	205.6	248.3	291.1	333.8	376.6	419.4	462.1	504.9	547.6	590.4	4.3	8.6	13.0	17.3	4.3	17.3	8.6	8.6	8.6	8.6
HA10022	362.6	437.7	512.7	587.8	662.9	738.0	813.1	888.1	963.2	1038.3	13.0	13.0	8.6	26.0	21.7	4.3	0.0	4.3	4.3	4.3
HA10023	388.7	429.8	470.8	511.9	552.9	593.9	635.0	676.0	717.1	758.1	26.0	8.6	8.6	8.6	17.3	4.3	0.0	8.6	13.0	4.3
HA10024	254.2	303.5	352.8	402.1	451.4	500.7	550.0	599.3	648.6	697.9	4.3	4.3	4.3	17.3	13.0	17.3	8.6	17.3	0.0	13.0
HA10026	617.5	707.9	798.4	888.8	979.3	1069.7	1160.2	1250.6	1341.1	1431.5	9.0	4.5	31.8	13.6	9.0	13.6	9.0	0.0	4.5	4.5
HA10027	382.5	428.0	473.5	519.0	564.5	610.0	655.5	701.0	746.5	792.0	10.7	14.2	7.1	10.7	14.2	14.2	3.5	7.1	10.7	7.1
HA10028	252.2	300.3	348.5	396.6	444.7	492.9	541.1	589.2	637.3	685.5	4.6	13.9	11.6	9.3	18.6	9.3	9.3	9.3	6.9	6.9
HA10029	344.3	423.2	502.1	581.0	659.9	738.8	817.7	896.6	975.5	1054.4	13.8	5.5	13.8	25.0	19.4	11.1	0.0	5.5	2.7	2.7
HA10030	158.8	211.7	264.5	317.4	370.2	423.0	475.9	528.7	581.6	634.4	4.3	4.3	4.3	8.6	13.0	8.6	13.0	17.3	4.3	21.7
HA10031	559.4	626.1	692.7	759.3	826.0	892.6	959.2	1025.8	1092.5	1159.1	5.5	11.1	16.6	22.2	5.5	16.6	5.5	5.5	0.0	11.1
HA10035	225.0	267.3	309.6	351.9	394.3	436.6	478.9	521.2	563.5	605.8	6.6	13.3	0.0	13.3	26.6	20.0	0.0	13.3	0.0	6.6
HA10037	484.3	539.3	594.3	649.3	704.3	759.2	814.2	869.2	924.2	979.2	6.6	0.0	6.6	6.6	6.6	20.0	6.6	6.6	26.6	13.3
HA10038	939.7	1039.3	1138.9	1238.5	1338.1	1437.7	1537.3	1636.9	1736.5	1836.1	4.3	13.0	13.0	13.0	13.0	13.0	8.6	8.6	4.3	8.6
HA10042	993.6	1071.2	1148.8	1226.4	1304.0	1381.6	1459.2	1536.8	1614.4	1692.0	13.0	26.0	8.6	13.0	4.3	8.6	13.0	4.3	4.3	4.3
HA10043	556.7	604.5	652.3	700.1	747.8	795.6	843.4	891.2	939.0	986.8	13.3	13.3	6.6	13.3	26.6	6.6	0.0	13.3	0.0	6.6
HA10044	292.5	390.4	488.3	586.2	684.1	781.9	879.8	977.7	1075.6	1173.5	10.0	0.0	6.6	10.0	13.3	23.3	16.6	6.6	3.3	10.0
HA10045	247.8	288.7	329.5	370.3	411.1	452.0	492.8	533.6	574.5	615.3	21.7	21.7	4.3	17.3	13.0	13.0	4.3	0.0	0.0	4.3
HA10046	229.2	284.9	340.6	396.3	452.0	507.7	563.4	619.1	674.8	730.5	10.5	5.2	21.0	10.5	26.3	10.5	0.0	10.5	0.0	5.2
HA10047	311.4	345.2	378.9	412.6	446.4	480.1	513.8	547.5	581.3	615.0	8.6	8.6	0.0	8.6	4.3	17.3	13.0	34.7	0.0	4.3
HA10048	486.7	565.4	644.1	722.8	801.5	880.2	958.9	1037.6	1116.3	1195.0	18.1	13.5	9.0	13.6	16.1	9.0	4.5	4.5	4.5	4.5
HA10051	493.2	550.4	607.6	664.8	722.0	779.2	836.4	893.6	950.8	1008.0	4.3	21.7	21.7	13.0	4.3	13.0	13.0	4.3	0.0	4.3
HA10052	376.7	420.7	464.7	508.7	552.7	596.7	640.7	684.7	728.7	772.7	6.6	6.6	40.0	20.0	0.0	6.6	6.6	0.0	6.6	6.6
HA10054	259.9	313.9	367.9	421.9	475.9	529.9	583.9	637.9	691.9	745.9	4.3	0.0	17.3	13.0	8.6	8.6	21.7	17.3	4.3	4.3
HA10056	154.0	227.9	301.9	375.8	449.7	523.7	597.7	671.6	745.6	819.5	7.8	15.7	15.7	23.6	5.2	15.7	7.8	5.2	0.0	2.6
HA10057	183.8	234.9	285.9	337.0	388.1	439.2	490.3	541.3	592.4	643.5	7.6	0.0	7.6	7.6	7.6	15.3	23.0	15.3	7.6	7.6
HA10058	1082.3	1158.5	1234.8	1311.0	1387.3	1463.6	1539.8	1616.1	1692.3	1768.6	4.7	23.8	4.7	14.2	9.5	4.7	14.2	4.7	4.7	14.2
HA10059	315.1	356.6	398.1	439.6	481.1	522.5	564.0	605.5	647.0	688.5	6.6	33.3	6.6	0.0	6.6	13.3	13.3	13.3	0.0	6.6

Tabla C.66. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Durango.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA10060	177.9	227.3	276.7	326.1	375.5	424.9	474.3	523.7	573.1	622.5	7.6	1.9	19.2	13.4	13.4	13.4	13.4	3.8	3.8	9.6
HA10061	323.1	392.6	462.2	531.7	601.3	670.8	740.3	809.9	879.4	949.0	30.8	8.6	17.3	4.3	4.3	13.0	13.0	4.3	0.0	4.3
HA10062	327.3	381.4	435.6	489.8	544.0	598.1	652.3	706.5	760.6	814.8	17.9	8.6	17.3	4.3	13.0	8.6	21.7	4.3	0.0	4.3
HA10063	184.7	221.9	259.2	296.4	333.6	370.8	408.0	445.3	482.5	519.7	11.9	9.5	11.9	14.2	19.0	7.1	14.2	2.3	2.3	7.1
HA10064	477.0	600.0	723.1	846.1	969.2	1092.3	1215.3	1338.4	1461.4	1584.5	12.9	12.0	8.0	24.0	12.0	12.0	12.0	4.0	0.0	4.0
HA10065	256.0	306.5	357.0	407.5	458.1	508.6	559.1	609.6	660.1	710.6	7.1	3.5	7.1	17.8	7.1	14.2	14.2	7.1	7.1	7.1
HA10066	217.0	253.0	289.1	325.1	361.1	397.1	433.1	469.2	505.2	541.2	6.6	6.6	13.3	0.0	20.0	0.0	20.0	0.0	13.3	13.3
HA10068	316.4	368.5	420.6	472.7	524.8	576.9	629.0	681.1	733.2	785.3	3.7	18.5	25.9	7.4	18.5	11.1	7.4	0.0	0.0	7.4
HA10069	134.9	208.3	281.6	355.0	428.3	501.6	575.0	648.3	721.7	795.0	17.9	13.0	23.9	17.3	19.5	0.0	4.3	0.0	0.0	4.3
HA10070	191.6	263.2	334.8	406.4	478.1	549.7	621.3	692.9	764.5	836.1	6.3	6.3	14.8	17.0	21.2	12.7	12.7	6.3	0.0	2.1
HA10071	504.3	600.8	697.3	793.8	890.4	986.9	1083.4	1179.9	1276.4	1372.9	8.0	4.0	20.0	20.0	8.0	12.0	16.0	4.0	4.0	4.0
HA10072	163.5	203.7	243.8	284.0	324.2	364.4	404.6	444.7	484.9	525.1	20.0	12.0	12.0	32.0	12.0	4.0	4.0	0.0	0.0	4.0
HA10074	264.8	307.1	349.5	391.8	434.2	476.6	518.9	561.3	603.6	646.0	13.0	13.0	4.3	8.6	30.4	0.0	4.3	8.6	13.0	13.0
HA10075	358.0	400.1	442.2	484.4	526.6	568.7	610.8	653.0	695.1	737.3	6.6	0.0	0.0	0.0	20.0	20.0	20.0	13.3	6.6	13.3
HA10076	372.0	415.4	458.9	502.3	545.8	589.2	632.7	676.1	719.6	763.0	18.1	9.0	9.0	13.6	9.0	0.0	9.0	4.5	18.1	9.0
HA10077	197.8	254.0	310.3	366.5	422.7	478.9	535.1	591.4	647.6	703.8	4.3	8.6	8.6	13.0	8.6	13.0	17.3	4.3	17.3	4.3
HA10078	312.9	354.5	396.2	437.8	479.4	521.0	562.6	604.3	645.9	687.5	14.2	7.1	0.0	28.5	21.4	7.1	7.1	7.1	0.0	7.1
HA10079	579.9	707.2	834.6	961.9	1089.3	1216.7	1344.0	1471.4	1598.7	1726.1	9.5	4.7	9.5	19.0	14.2	19.0	0.0	19.0	0.0	4.7
HA10081	251.8	287.8	323.9	359.9	396.0	432.1	468.1	504.2	540.2	576.3	6.6	0.0	13.3	6.6	13.3	20.0	6.6	6.6	13.3	13.3
HA10082	912.9	1227.6	1542.4	1857.2	2172.0	2486.7	2801.5	3116.3	3431.0	3745.8	28.2	35.8	15.3	12.8	2.5	0.0	2.5	0.0	0.0	2.5
HA10083	507.1	567.2	627.3	687.4	747.5	807.6	867.7	927.8	987.9	1048.0	26.6	6.6	6.6	26.6	6.6	13.3	0.0	6.6	0.0	6.6
HA10084	293.3	344.7	396.2	447.6	499.0	550.4	601.8	653.3	704.7	756.1	3.0	12.1	9.0	13.6	22.7	19.6	9.0	4.5	1.5	4.5
HA10085	129.3	156.4	183.4	210.5	237.5	264.5	291.6	318.6	345.7	372.7	13.0	13.0	0.0	4.3	21.7	8.6	13.0	21.7	0.0	4.3
HA10086	720.7	834.6	948.6	1062.5	1176.4	1290.3	1404.2	1518.2	1632.1	1746.0	7.6	2.5	12.8	10.2	12.8	25.6	7.6	10.2	0.0	10.2
HA10087	1032.5	1133.4	1234.2	1335.1	1435.9	1536.7	1637.6	1738.4	1839.3	1940.1	13.3	20.0	13.3	20.0	13.3	6.6	6.6	0.0	0.0	6.6
HA10088	366.5	404.6	442.7	480.9	519.1	557.2	595.3	633.5	671.6	709.8	13.0	13.0	8.6	8.6	17.3	4.3	17.3	4.3	8.6	4.3
HA10090	327.2	377.9	428.6	479.3	530.0	580.7	631.4	682.1	732.8	783.5	4.7	19.0	23.8	4.7	14.2	4.7	9.5	14.2	0.0	4.7
HA10091	644.2	728.8	813.3	897.9	982.4	1066.9	1151.5	1236.0	1320.6	1405.1	5.8	5.8	23.5	11.7	11.7	11.7	23.5	0.0	0.0	5.8
HA10092	364.2	403.8	443.5	483.1	522.7	562.3	601.9	641.6	681.2	720.8	16.6	16.6	16.6	8.3	16.6	8.3	8.3	0.0	0.0	8.3
HA10093	475.9	644.0	812.0	980.1	1148.1	1316.1	1484.2	1652.2	1820.3	1988.3	20.0	12.0	12.0	24.0	12.0	8.0	0.0	8.0	0.0	4.0
HA10096	450.5	591.5	732.5	873.5	1014.6	1155.6	1296.6	1437.6	1578.6	1719.6	25.0	8.3	16.6	25.0	16.6	0.0	0.0	0.0	0.0	8.3
HA10098	284.0	321.5	359.0	396.5	434.0	471.5	509.0	546.5	584.0	621.5	17.6	5.8	5.8	17.6	17.6	5.8	17.6	5.8	0.0	5.8
HA10100	194.0	244.4	294.9	345.3	395.7	446.2	496.6	547.1	597.6	648.0	4.8	9.7	12.1	4.8	17.0	14.6	9.7	12.1	4.8	9.7
HA10102	284.9	339.3	393.7	448.1	502.5	556.9	611.3	665.7	720.1	774.5	25.0	0.0	10.0	25.0	0.0	10.0	10.0	0.0	10.0	10.0
HA10103	628.0	684.9	741.7	798.5	855.4	912.2	969.0	1025.8	1082.7	1139.5	18.1	9.0	13.6	18.1	13.6	13.6	4.5	4.5	0.0	4.5
HA10109	477.9	608.8	739.6	870.5	1001.3	1132.1	1263.0	1393.8	1524.7	1655.5	33.3	25.0	25.0	8.3	0.0	0.0	0.0	0.0	0.0	8.3
HA10110	297.5	348.9	400.4	451.9	503.4	554.8	606.3	657.8	709.2	760.7	10.7	7.1	14.2	21.4	17.8	7.1	3.5	3.5	7.1	7.1
HA10118	291.8	353.6	415.4	477.2	539.0	600.8	662.6	724.4	786.2	848.0	6.2	31.2	12.5	6.2	12.5	6.2	18.7	0.0	0.0	6.2
HA10119	315.9	356.1	396.4	436.7	476.9	517.2	557.5	597.8	638.0	678.3	27.2	9.0	9.0	0.0	9.0	18.1	0.0	0.0	18.1	9.0
HA10121	657.8	714.3	770.8	827.3	883.8	940.3	996.8	1053.3	1109.8	1166.3	9.0	9.0	0.0	18.1	9.0	9.0	27.2	0.0	9.0	9.0
HA10122	566.9	626.4	685.8	745.2	804.6	864.1	923.5	982.9	1042.4	1101.8	9.0	9.0	0.0	9.0	27.2	18.1	0.0	0.0	9.0	18.1

Tabla C.66. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Durango.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica		
	Periodicidad	DevStd	PerS	Duración	DevStd	DS	Severidad	DevStd	SS	Intensidad			% de IS	lluvia disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	Hp disp S(mm)	Hp disp S(mm)				
HA10002	3.4	0.9	1.8	1.0	265.7	147.5	147.6	28.0	376.2	5.2	VASTA			
HA10003	3.5	1.2	2.1	1.3	416.8	312.0	198.4	14.0	1201.5	4.4	MUY SEVERA			
HA10004	3.3	1.3	1.8	1.4	104.0	76.1	57.7	21.0	214.8	4.9	VASTA			
HA10005	3.6	2.1	2.0	1.7	139.4	115.1	69.6	24.0	211.9	4.1	MUY VASTA			
HA10006	3.1	1.1	1.5	0.6	214.4	112.6	142.9	22.0	492.0	5.1	VASTA			
HA10007	3.3	0.7	1.5	0.9	183.8	107.4	122.5	20.0	468.0	3.9	SEVERA			
HA10008	3.3	0.8	1.6	0.7	181.2	62.2	113.2	36.0	196.0	3.9	CRITICA			
HA10010	4.5	1.5	2.3	1.8	218.0	177.2	94.7	19.0	392.2	4.5	MUY SEVERA			
HA10012	4.6	1.2	2.5	1.5	207.6	183.6	83.0	23.0	266.2	4.2	MUY VASTA			
HA10014	3.9	1.5	2.3	1.6	379.6	421.3	165.0	21.0	592.3	4.8	MUY VASTA			
HA10017	3.5	1.5	2.1	1.6	654.5	492.4	311.6	30.0	697.2	4.0	MUY VASTA			
HA10018	4.0	2.2	1.6	1.2	447.2	304.8	279.5	19.0	1154.6	6.0	SEVERA			
HA10020	3.2	0.9	1.5	0.5	138.8	71.6	92.5	37.0	154.1	2.2	CRITICA			
HA10021	3.1	0.9	1.3	0.4	131.8	86.5	101.3	26.0	277.3	5.5	VASTA			
HA10022	3.7	1.0	2.3	2.3	297.7	193.6	129.4	23.0	431.8	5.6	MUY VASTA			
HA10023	3.1	1.3	1.7	0.6	183.1	70.1	107.7	21.0	403.3	4.2	VASTA			
HA10024	2.9	1.0	1.6	0.9	146.5	106.1	91.5	19.0	383.8	4.1	SEVERA			
HA10026	4.2	1.1	2.1	1.3	324.9	219.9	154.7	17.0	717.1	3.9	MUY SEVERA			
HA10027	3.2	1.1	1.8	0.9	186.9	122.2	103.8	18.0	445.4	4.6	SEVERA			
HA10028	4.2	1.8	2.0	1.5	200.8	254.8	100.4	23.0	334.2	4.7	MUY VASTA			
HA10029	3.8	1.9	1.8	1.1	239.9	195.3	133.2	23.0	429.6	4.8	VASTA			
HA10030	3.7	1.9	1.8	0.8	229.0	268.4	127.2	29.0	300.0	5.4	VASTA			
HA10031	4.3	2.6	2.7	2.4	325.9	360.7	120.7	15.0	661.2	3.8	MUY SEVERA			
HA10035	4.0	1.0	3.0	2.1	204.5	169.3	68.1	18.0	309.7	3.5	EXTREMADAMENTE SEVERA			
HA10037	4.3	1.6	2.0	1.2	223.3	122.3	111.6	14.0	663.2	4.5	MUY SEVERA			
HA10038	2.5	0.7	1.5	0.7	295.3	216.7	196.8	15.0	1108.4	4.6	SEVERA			
HA10042	3.5	1.2	1.8	1.1	301.8	80.3	167.6	13.0	1044.3	3.0	SEVERA			
HA10043	4.0	1.0	2.3	1.2	244.5	262.1	106.3	14.0	603.7	5.5	MUY SEVERA			
HA10044	3.8	1.2	1.8	0.7	339.6	359.3	188.6	26.0	517.6	5.6	VASTA			
HA10045	3.1	1.7	1.7	1.0	139.6	76.8	82.1	24.0	252.9	3.1	VASTA			
HA10046	4.5	1.5	1.7	0.7	197.6	153.6	116.2	28.0	286.8	5.9	VASTA			
HA10047	3.6	1.6	1.2	0.6	114.4	84.2	95.3	20.0	372.1	8.2	SEVERA			
HA10048	2.7	1.2	2.1	1.4	365.5	314.8	174.0	24.0	529.5	4.5	MUY VASTA			
HA10051	3.1	1.2	1.9	1.1	200.7	117.2	105.6	16.0	551.2	3.8	SEVERA			
HA10052	4.0	2.1	2.5	2.0	160.7	83.2	64.2	12.0	436.8	3.7	MUY SEVERA			
HA10054	3.1	1.3	1.7	0.6	183.0	86.3	107.6	22.0	380.7	3.6	VASTA			
HA10056	3.5	1.4	1.8	1.0	223.9	172.0	124.3	34.0	237.4	4.1	CRITICA			
HA10057	2.7	0.4	1.1	0.3	130.2	96.3	118.3	27.0	310.7	5.8	VASTA			
HA10058	3.3	1.0	2.0	1.0	352.8	305.3	176.3	12.0	1193.3	3.9	MUY SEVERA			
HA10059	3.2	1.6	1.3	0.4	168.1	83.8	129.3	28.0	320.0	6.2	VASTA			

Tabla C.67. Características de la sequía promedio de cada estación climatológica del estado de Durango.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica		
	Periodicidad	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS	Intensidad			% de IS	lluvia disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	Hp disp	S(mm)			Hp disp	S(mm)
HA10060	4.1	2.0	2.2	1.9	225.8	293.3	102.6	28.0	257.7	4.5	MUY VASTA			
HA10061	3.8	1.4	2.1	1.0	313.6	163.3	149.3	30.0	337.5	3.8	MUY VASTA			
HA10062	3.6	1.3	1.5	0.7	207.1	142.6	138.0	28.0	351.3	4.3	VASTA			
HA10063	4.6	1.1	2.3	1.4	177.6	174.0	77.2	24.0	238.2	4.5	MUY VASTA			
HA10064	3.4	1.0	1.6	0.9	347.5	294.6	217.1	25.0	620.3	4.3	VASTA			
HA10065	5.2	3.6	2.1	1.7	244.8	270.2	116.5	24.0	355.9	7.4	MUY VASTA			
HA10066	3.3	0.4	1.7	1.2	158.5	68.0	93.2	24.0	285.9	4.0	VASTA			
HA10068	5.0	1.5	3.0	1.7	254.7	244.8	84.9	18.0	388.2	3.5	EXTREMADAMENTE SEVERA			
HA10069	4.4	3.0	2.6	2.4	256.1	313.7	98.5	34.0	186.6	4.4	MUY CRITICA			
HA10070	4.2	1.8	2.3	1.4	269.2	247.9	117.0	27.0	308.9	4.7	MUY VASTA			
HA10071	3.4	1.1	1.8	0.7	297.8	166.8	165.4	19.0	664.4	4.2	SEVERA			
HA10072	3.1	1.1	1.8	1.0	133.5	106.9	74.1	30.0	172.1	6.2	VASTA			
HA10074	3.5	1.4	2.0	0.9	172.2	127.1	86.0	20.0	338.0	3.2	MUY SEVERA			
HA10075	3.6	0.9	1.7	0.4	137.4	119.1	80.8	13.0	497.2	6.8	SEVERA			
HA10076	3.1	1.3	1.5	0.7	197.4	146.4	131.6	24.0	399.5	4.9	VASTA			
HA10077	3.8	1.1	2.1	1.0	236.3	186.3	112.5	25.0	322.7	4.3	MUY VASTA			
HA10078	3.0	0.7	1.5	0.8	109.3	111.4	72.8	16.0	370.6	4.4	SEVERA			
HA10079	4.5	2.5	2.2	1.9	508.6	602.6	231.1	21.0	820.5	4.9	MUY VASTA			
HA10081	3.2	1.0	1.7	0.7	120.9	107.6	71.1	16.0	349.3	4.1	SEVERA			
HA10082	5.4	2.6	3.2	2.9	942.6	924.1	294.5	23.0	945.9	3.2	EXTREMADAMENTE VASTA			
HA10083	3.2	1.6	1.3	0.8	188.3	82.4	144.8	21.0	522.0	3.0	VASTA			
HA10084	3.6	2.4	1.7	2.0	145.7	211.9	85.7	18.0	389.1	5.1	SEVERA			
HA10085	3.1	0.6	1.5	0.7	103.1	75.7	68.7	29.0	168.9	3.6	VASTA			
HA10086	3.8	1.5	1.6	0.8	398.7	388.2	249.1	21.0	920.1	6.0	VASTA			
HA10087	3.0	1.0	2.6	1.2	485.3	292.5	186.6	14.0	1090.4	4.6	MUY SEVERA			
HA10088	3.1	1.3	1.5	1.0	125.1	101.9	83.4	16.0	415.7	4.3	SEVERA			
HA10090	3.1	0.8	1.7	0.8	174.2	124.3	102.4	21.0	379.7	3.3	VASTA			
HA10091	2.5	0.8	1.5	0.7	240.5	173.3	160.3	17.0	768.7	2.1	SEVERA			
HA10092	3.3	0.9	1.7	0.8	131.0	31.8	77.0	16.0	393.8	3.8	SEVERA			
HA10093	2.7	0.6	1.3	0.4	424.0	295.5	326.1	37.0	548.0	5.5	CRITICA			
HA10096	3.5	0.5	2.0	0.8	502.7	158.0	251.3	34.0	480.3	4.6	MUY CRITICA			
HA10098	4.3	1.6	2.0	1.2	175.4	123.6	87.6	21.0	315.8	5.2	MUY VASTA			
HA10100	3.6	1.6	1.8	1.5	208.9	183.8	116.0	29.0	278.9	5.2	VASTA			
HA10102	4.6	3.0	3.0	2.9	332.7	357.4	110.9	24.0	344.4	3.8	EXTREMADAMENTE VASTA			
HA10103	4.2	2.1	2.1	2.1	201.4	181.0	95.9	12.0	682.7	4.1	MUY SEVERA			
HA10109	4.0	2.0	2.3	1.8	450.6	276.8	195.9	29.0	463.8	4.0	MUY VASTA			
HA10110	4.5	2.6	2.1	2.4	204.5	286.3	97.3	21.0	364.3	5.2	MUY VASTA			
HA10118	5.0	3.0	2.6	1.6	368.1	313.3	141.5	30.0	318.6	4.4	MUY VASTA			
HA10119	3.5	1.5	1.6	0.9	219.6	143.5	137.2	30.0	310.2	5.2	VASTA			
HA10121	3.0	0.8	1.2	0.4	178.2	77.9	148.5	16.0	745.7	2.3	SEVERA			
HA10122	4.5	0.5	2.3	1.2	249.6	181.2	108.5	13.0	713.1	3.4	MUY SEVERA			

Tabla C.67. Características de la sequía promedio de cada estación climatológica del estado de Durango.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$P=S_{máx}/D_{máx}$	% de P	Intensidad	Duración / máx	% de / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$P(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D / máx(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA10002	553.7	4.0	138.4	26.0	229.8	1.0	43.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA10003	895.0	3.0	298.3	21.0	298.3	3.0	21.0	42.8	28.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA10004	247.4	3.0	82.4	30.0	151.5	1.0	55.0	71.4	0.0	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA10005	318.4	6.0	53.0	18.0	143.0	1.0	50.0	71.4	0.0	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA10006	453.4	2.0	226.7	35.0	226.7	2.0	35.0	55.5	33.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA10007	399.4	3.0	133.1	22.0	169.5	1.0	28.0	71.4	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA10008	288.7	3.0	96.2	31.0	145.2	1.0	46.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA10010	468.2	5.0	93.6	19.0	106.4	1.0	21.0	66.6	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0
HA10012	492.8	4.0	123.2	35.0	123.2	4.0	35.0	44.4	11.1	0.0	33.3	11.1	0.0	0.0	0.0	0.0	0.0
HA10014	1250.9	6.0	208.4	27.0	232.7	4.0	30.0	37.5	37.5	0.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0
HA10017	1530.0	5.0	306.0	30.0	433.7	1.0	42.0	60.0	0.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA10018	1019.9	5.0	203.9	14.0	786.8	1.0	54.0	66.6	22.2	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0
HA10020	277.7	2.0	138.8	56.0	157.6	1.0	63.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA10021	256.4	2.0	128.2	33.0	215.8	1.0	56.0	62.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA10022	675.9	7.0	96.5	17.0	248.7	1.0	44.0	60.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
HA10023	321.5	2.0	160.7	31.0	160.7	2.0	31.0	42.8	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA10024	370.7	4.0	92.6	19.0	166.9	1.0	35.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA10026	753.7	5.0	150.7	17.0	218.8	2.0	25.0	33.3	50.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA10027	470.5	4.0	117.6	21.0	212.2	1.0	38.0	37.5	50.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA10028	939.2	6.0	156.5	36.0	156.5	6.0	36.0	54.5	18.1	9.0	9.0	0.0	9.0	0.0	0.0	0.0	0.0
HA10029	643.1	5.0	128.6	22.0	275.5	2.0	48.0	50.0	40.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
HA10030	796.5	3.0	265.5	62.0	265.5	3.0	62.0	50.0	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA10031	949.5	7.0	135.6	17.0	137.7	1.0	17.0	50.0	25.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0
HA10035	438.2	6.0	73.0	19.0	133.2	1.0	35.0	33.3	33.3	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0
HA10037	345.5	1.0	345.5	44.0	345.5	1.0	44.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA10038	680.1	3.0	226.7	17.0	302.2	1.0	23.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA10042	452.8	4.0	113.2	9.0	295.9	1.0	24.0	57.1	14.2	14.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0
HA10043	615.3	4.0	153.8	21.0	153.8	4.0	21.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA10044	1242.6	3.0	414.2	58.0	414.2	3.0	58.0	37.5	37.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA10045	241.5	2.0	120.7	36.0	127.3	1.0	37.0	57.1	28.5	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0
HA10046	484.6	3.0	161.5	40.0	176.5	1.0	43.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA10047	274.0	3.0	91.3	19.0	156.8	1.0	33.0	85.7	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA10048	829.8	4.0	207.4	29.0	236.5	1.0	33.0	60.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
HA10051	353.1	3.0	117.7	17.0	220.8	1.0	33.0	57.1	0.0	28.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0
HA10052	289.2	6.0	48.2	9.0	168.3	1.0	33.0	50.0	25.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
HA10054	340.9	3.0	113.6	23.0	146.4	1.0	29.0	42.8	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA10056	601.5	4.0	150.3	41.0	172.7	1.0	47.0	54.5	18.1	18.1	9.0	0.0	0.0	0.0	0.0	0.0	0.0
HA10057	296.3	1.0	296.3	69.0	296.3	1.0	69.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA10058	981.9	4.0	245.4	17.0	245.4	4.0	17.0	33.3	50.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0
HA10069	302.1	2.0	151.0	33.0	151.0	2.0	33.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.68. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Durango.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones											
	Severidad	Duración	I^*	$S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración	I	% de $I_{máx}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA10060	1132.6	8.0	141.5	39.0	141.5	8.0	39.0	41.6	41.6	0.0	8.3	0.0	0.0	0.0	8.3	0.0	0.0	0.0	
HA10061	662.4	4.0	165.6	34.0	203.1	1.0	41.0	33.3	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10062	387.0	3.0	129.0	26.0	219.2	1.0	44.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10063	549.0	6.0	91.5	29.0	127.9	3.0	41.0	33.3	33.3	22.2	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	
HA10064	901.6	4.0	225.4	26.0	464.8	1.0	55.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10065	825.8	6.0	137.6	29.0	266.9	1.0	56.0	50.0	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	
HA10066	272.8	4.0	68.2	17.0	145.4	1.0	38.0	75.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10068	696.2	6.0	116.0	24.0	116.0	6.0	24.0	20.0	40.0	0.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	
HA10069	1102.4	9.0	122.4	42.0	122.4	2.0	42.0	40.0	40.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	10.0	0.0	
HA10070	895.5	6.0	149.2	35.0	151.9	3.0	35.0	40.0	20.0	30.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	
HA10071	589.6	3.0	196.5	23.0	391.7	1.0	47.0	37.5	37.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10072	353.8	4.0	88.4	35.0	88.4	4.0	35.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10074	385.2	4.0	96.3	22.0	150.0	2.0	35.0	28.5	57.1	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10075	333.2	2.0	166.6	28.0	166.6	2.0	28.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10076	449.2	3.0	149.7	28.0	202.6	1.0	38.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10077	550.9	4.0	137.7	31.0	198.6	2.0	45.0	33.3	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10078	291.2	2.0	145.6	32.0	145.6	2.0	32.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10079	1706.8	6.0	284.4	27.0	284.4	6.0	27.0	60.0	20.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	
HA10081	318.7	2.0	159.3	37.0	159.3	2.0	37.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10082	2547.4	9.0	283.0	22.0	617.2	1.0	49.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	12.5	0.0	12.5	0.0	
HA10083	302.2	3.0	100.7	15.0	219.8	1.0	32.0	80.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10084	981.5	10.0	98.1	20.0	173.7	2.0	36.0	68.4	21.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	
HA10085	247.9	3.0	82.6	35.0	130.3	1.0	56.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10086	1462.5	4.0	365.6	31.0	521.2	1.0	44.0	54.5	36.3	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10087	746.8	4.0	186.7	14.0	210.7	3.0	16.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10088	367.6	4.0	91.9	18.0	145.0	1.0	29.0	75.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10090	418.3	3.0	139.4	28.0	154.0	1.0	31.0	57.1	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10091	601.6	3.0	200.5	21.0	200.5	3.0	21.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10092	174.1	3.0	58.0	12.0	146.2	1.0	31.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10093	1125.4	2.0	562.7	64.0	562.7	2.0	64.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10096	723.6	2.0	361.8	49.0	422.1	1.0	57.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10098	360.1	4.0	90.0	22.0	117.9	1.0	29.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10100	577.9	5.0	115.5	29.0	251.4	1.0	63.0	72.7	9.0	0.0	0.0	18.1	0.0	0.0	0.0	0.0	0.0	0.0	
HA10102	901.1	8.0	112.6	24.0	187.4	2.0	41.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	
HA10103	584.4	7.0	83.4	10.0	152.6	1.0	19.0	66.6	16.6	0.0	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0	
HA10109	836.9	5.0	167.3	25.0	312.6	1.0	47.0	66.6	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	
HA10110	893.8	8.0	111.7	24.0	186.6	1.0	40.0	71.4	14.2	0.0	0.0	0.0	0.0	0.0	0.0	14.2	0.0	0.0	
HA10118	801.6	5.0	160.3	34.0	160.3	5.0	34.0	33.3	33.3	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	
HA10119	414.4	3.0	138.1	30.0	171.8	1.0	38.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10121	293.9	1.0	293.9	32.0	293.9	1.0	32.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA10122	451.6	4.0	112.9	13.0	142.6	2.0	17.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Tabla C.68. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Durango.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes períodos de retorno (Tr)						Tr(años) primer decil	lluvia mínima registrada Hp min(mm)	Tr(años) para Hp min
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años			
	X _a (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)			
Canatlán	523.9	530.3	162.9	0.1	2.5	0.31	517.0	392.0	316.0	244.0	152.0	83.0	12.5	230.5	22.9
Canelas	1397.2	1345.3	350.0	2.3	11.9	0.25	1361.0	1194.0	1056.0	849.0	391.0	2.0	6.4	975.2	13.7
Conelo de Corriónfort	422.3	427.0	102.8	0.3	3.6	0.24	419.0	345.0	297.0	250.0	186.0	137.0	18.9	204.0	38.9
Cuencamé	338.1	316.0	104.6	0.8	3.8	0.31	314.0	251.0	211.0	170.0	109.0	55.0	7.7	180.9	16.6
Durango	666.8	636.8	172.1	1.2	5.1	0.26	627.0	545.0	487.0	422.0	304.0	183.0	6.5	441.7	16.5
General Simón Bolívar	335.8	328.3	103.1	0.6	3.4	0.31	327.0	260.0	217.0	176.0	124.0	84.0	13.8	155.6	28.6
Gómez Palacio	283.9	275.7	81.5	0.4	2.8	0.29	274.0	206.0	182.0	157.0	116.0	79.0	8.5	157.0	19.8
Guadalupe Victoria	491.8	475.8	105.8	0.2	2.8	0.22	476.0	403.0	362.0	324.0	276.0	240.0	23.7	275.0	50.8
Guanacevi	573.1	577.5	132.0	-0.5	3.3	0.23	589.0	472.0	397.0	325.0	233.0	163.0	20.9	265.4	36.1
Hidalgo	427.9	375.6	291.9	3.1	16.8	0.68	213.1	0.0	0.0	0.0	0.0	0.0	1.6	151.0	2.4
Indé	379.6	379.0	117.4	0.2	2.7	0.31	375.0	296.0	248.0	202.0	142.0	96.0	28.8	128.5	61.1
Lerdo	303.8	286.0	82.5	0.8	3.5	0.27	280.0	231.0	204.0	176.0	135.0	99.0	5.3	200.6	10.8
Mapimí	293.2	314.8	93.7	0.5	3.0	0.32	283.0	200.0	173.0	143.0	94.0	47.0	4.9	169.2	10.9
Mezquital	472.4	493.3	129.4	-0.2	3.1	0.27	483.0	389.0	331.0	275.0	204.0	151.0	25.6	205.5	49.1
Nazas	274.1	258.1	129.0	1.5	6.5	0.47	255.0	167.0	103.0	29.0	0.0	0.0	4.6	111.0	9.2
Nombre de Dios	502.0	473.0	122.0	-0.1	2.1	0.24	485.0	389.0	348.0	311.0	264.0	229.0	9.0	318.9	17.2
Ocampo	489.6	439.8	158.7	0.3	2.4	0.32	442.0	348.0	306.0	267.0	214.0	173.0	6.9	276.3	16.8
Oro, El	526.2	532.4	143.2	0.3	4.0	0.27	529.0	412.0	327.0	234.0	90.0	0.0	8.9	265.4	16.0
Otáez	1259.8	1230.8	285.6	1.0	5.4	0.23	1226.0	1055.0	933.0	794.0	561.0	347.0	10.1	794.4	20.0
Pánuco de Coronado	537.7	524.5	119.1	0.2	2.3	0.22	547.0	427.0	399.0	373.0	338.0	310.0	18.8	334.9	54.4
Peñon Blanco	391.8	371.8	139.0	0.4	3.0	0.35	367.0	293.0	231.0	134.0	7.0	0.0	14.3	127.3	21.0
Poanas	480.6	496.4	96.0	0.0	2.9	0.20	475.0	393.0	362.0	329.0	275.0	226.0	17.1	299.7	33.7
Pueblo Nuevo	1162.4	1137.2	324.0	0.2	5.9	0.28	1136.0	969.0	843.0	689.0	415.0	167.0	40.8	315.0	66.5
Rodeo	382.1	382.6	121.4	0.2	2.6	0.32	377.0	291.0	239.0	188.0	121.0	69.0	23.1	128.5	45.4
San Bernardo	558.2	561.3	129.1	-0.3	3.3	0.23	568.0	462.0	395.0	331.0	249.0	186.0	23.0	265.4	41.4
San Dimas	892.5	892.2	208.9	0.2	3.7	0.23	877.0	731.0	627.0	514.0	347.0	208.0	13.5	495.5	22.3
San Juan de Guadalupe	337.0	330.3	106.0	0.3	2.9	0.31	334.0	259.0	211.0	165.0	106.0	62.0	14.1	147.5	26.3
San Juan del Río	433.2	427.0	112.9	0.4	3.5	0.26	431.0	361.0	316.0	271.0	208.0	158.0	25.0	204.0	53.1
San Luis del Corroero	326.4	307.1	118.0	0.9	3.8	0.36	325.0	267.0	230.0	195.0	149.0	115.0	27.6	125.3	81.6
San Pedro del Gallo	274.1	258.1	129.0	1.5	6.5	0.47	255.0	167.0	103.0	29.0	0.0	0.0	4.6	111.0	9.2
Santa Clara	416.6	416.3	147.3	0.3	3.6	0.35	399.0	297.0	231.0	161.0	59.0	0.0	14.9	120.0	29.3
Santiago Papasquiaro	692.4	730.0	266.9	0.2	3.5	0.39	699.0	482.0	338.0	199.0	13.0	0.0	10.9	202.0	19.7
Súchil	419.7	410.0	96.2	0.0	3.0	0.23	411.0	335.0	301.0	269.0	227.0	196.0	10.8	264.6	21.9
Tamazula	1201.1	1102.5	578.5	2.7	13.2	0.48	1093.0	806.0	604.0	384.0	0.0	0.0	3.5	598.1	10.2
Tepehuanes	557.4	534.0	171.9	0.8	4.4	0.31	543.0	416.0	332.0	248.0	130.0	33.0	9.8	241.9	20.9
Tlahualilo	283.1	305.1	79.7	0.3	2.5	0.28	281.0	204.0	186.0	167.0	139.0	112.0	6.1	173.6	15.7
Topia	1106.9	1107.3	286.5	0.4	3.3	0.26	1085.0	899.0	782.0	665.0	503.0	372.0	19.3	551.9	38.2
Vicente Guerrero	477.6	486.2	103.3	0.3	3.0	0.22	469.0	381.0	332.0	285.0	222.0	173.0	7.0	317.3	12.4
Nuevo Ideal	548.8	560.3	149.8	1.4	8.2	0.27	540.0	445.0	361.0	235.0	0.0	0.0	8.3	313.3	13.6
Estatal	555.8	555.1	124.0	0.5	5.0	0.22	562.0	452.0	375.0	296.0	178.0	70.0	17.0	238.9	31.8

Tabla C.69. Características estadísticas de la lluvia anual de cada municipio del estado de Durango.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Canatlán	292.7	354.9	417.2	478.4	541.6	603.8	666.0	728.3	790.5	852.7	10.0	4.0	14.0	14.0	10.0	18.0	10.0	4.0	10.0	6.0
Canelas	1149.9	1324.6	1499.3	1674.0	1848.8	2023.5	2198.2	2372.9	2547.6	2722.3	24.0	24.0	24.0	16.0	8.0	0.0	0.0	0.0	0.0	4.0
Coneto de Comonfort	253.5	303.0	352.6	402.1	451.6	501.1	550.6	600.2	649.7	699.2	2.3	11.6	11.6	13.9	20.9	20.9	6.9	6.9	2.3	2.3
Cuencamé	228.1	271.3	316.5	361.7	406.9	452.2	497.4	542.6	587.8	633.0	12.5	17.5	20.0	17.5	7.5	7.5	10.0	2.5	2.5	2.5
Durango	523.7	605.8	687.8	769.8	851.8	933.9	1015.9	1097.9	1180.0	1262.0	14.0	32.0	20.0	12.0	6.0	8.0	4.0	2.0	0.0	2.0
General Simón Bolívar	197.7	239.7	281.8	323.9	365.9	408.0	450.1	492.2	534.2	576.3	6.5	10.8	18.0	13.0	23.9	15.2	2.1	2.1	6.5	6.5
Gómez Palacio	187.3	217.6	247.9	278.2	308.5	338.7	369.0	399.3	429.6	459.9	4.3	17.3	21.7	8.6	8.6	13.0	8.6	13.0	0.0	4.3
Guadalupe Victoria	315.3	355.7	396.0	436.3	476.6	517.0	557.3	597.6	638.0	678.3	3.5	0.0	14.2	17.8	14.2	14.2	3.5	14.2	7.1	10.7
Guanaceví	320.6	375.9	431.1	486.3	541.6	596.8	652.0	707.2	762.5	817.7	8.3	0.0	2.7	13.8	8.3	22.2	13.8	19.4	5.5	5.5
Hidalgo	301.5	451.9	602.3	752.8	903.3	1053.7	1204.2	1354.6	1505.1	1655.5	30.7	38.4	23.0	3.8	0.0	0.0	0.0	0.0	0.0	3.8
Indé	177.9	227.3	276.7	326.1	375.5	424.9	474.3	523.7	573.1	622.5	4.7	0.0	17.4	11.1	15.8	17.4	15.8	3.1	3.1	11.1
Lerdo	228.9	257.3	285.6	313.9	342.2	370.6	398.9	427.2	455.6	483.9	21.7	13.0	13.0	13.0	4.3	8.6	4.3	0.0	8.6	8.6
Mapimi	200.6	232.0	263.4	294.8	326.2	357.6	389.0	420.4	451.8	483.2	21.7	8.6	13.0	4.3	13.0	21.7	0.0	8.6	0.0	8.6
Mezquital	256.0	306.5	357.0	407.5	458.0	508.5	559.0	609.5	660.0	710.5	7.1	3.5	7.1	17.8	7.1	14.2	14.2	7.1	7.1	7.1
Nazas	174.1	237.1	300.2	363.2	426.3	489.4	552.4	615.5	678.5	741.6	21.7	19.5	28.2	15.2	6.5	0.0	4.3	2.1	0.0	2.1
Nombre de Dios	354.0	389.1	424.2	459.3	494.4	529.5	564.6	599.7	634.8	670.0	13.0	8.6	8.6	8.6	13.0	0.0	8.6	8.6	13.0	17.3
Ocampo	328.2	380.0	431.9	483.8	535.7	587.5	639.4	691.3	743.1	795.0	21.7	4.3	21.7	4.3	4.3	13.0	8.6	13.0	4.3	4.3
Oro, El	328.3	391.2	454.1	517.0	579.8	642.7	705.6	768.5	831.4	894.3	11.1	8.3	8.3	16.6	25.0	16.6	8.3	0.0	0.0	5.5
Otáez	932.3	1070.2	1208.0	1345.9	1483.8	1621.7	1759.6	1897.4	2035.3	2173.2	9.0	15.1	24.2	21.2	15.1	3.0	9.0	0.0	0.0	3.0
Pánuco de Coronado	375.4	415.8	456.3	496.7	537.2	577.7	618.1	658.6	699.0	739.5	3.5	10.7	17.8	10.7	10.7	3.5	14.2	7.1	10.7	10.7
Peñon Blanco	181.3	235.2	289.2	343.2	397.2	451.1	505.1	559.1	613.0	667.0	5.2	5.2	7.8	28.9	5.2	18.4	13.1	0.0	2.6	13.1
Poanas	337.1	374.4	411.8	449.1	486.5	523.8	561.2	598.5	635.9	673.2	8.6	0.0	21.7	13.0	4.3	13.0	17.3	13.0	4.3	4.3
Pueblo Nuevo	482.3	649.7	817.0	984.3	1151.7	1319.0	1486.3	1653.6	1821.0	1988.3	4.0	0.0	4.0	12.0	32.0	28.0	8.0	4.0	4.0	4.0
Rodeo	177.9	227.3	276.7	326.1	375.5	424.9	474.3	523.7	573.1	622.5	4.7	0.0	7.4	11.1	14.2	15.8	17.4	4.7	3.1	11.1
San Bernardo	318.5	371.5	424.6	477.6	530.7	583.7	636.7	689.8	742.8	795.9	8.3	0.0	5.5	8.3	16.6	16.6	19.4	11.1	5.5	8.3
San Dimas	579.0	662.5	746.0	829.5	913.0	996.4	1079.9	1163.4	1246.9	1330.4	8.0	0.0	16.0	12.0	20.0	16.0	8.0	12.0	0.0	8.0
San Juan de Guadalupe	188.2	228.9	269.6	310.3	351.1	391.8	432.5	473.2	513.9	554.6	6.8	11.3	1.3	11.3	11.3	22.7	11.3	0.0	2.2	11.3
San Juan del Río	255.8	307.5	359.3	411.1	462.9	514.6	566.4	618.2	669.9	721.7	4.6	6.9	13.9	23.2	16.2	18.6	2.3	4.8	6.9	2.3
San Luis del Cordero	178.5	231.7	285.0	338.2	391.4	444.6	497.8	551.1	604.3	657.5	6.4	12.9	24.1	17.7	17.7	8.0	1.6	3.2	6.4	1.6
San Pedro del Gallo	174.1	237.1	300.2	363.2	426.3	489.4	552.4	615.5	678.5	741.6	21.7	19.5	28.2	15.2	6.5	0.0	4.3	2.1	0.0	2.1
Santa Clara	191.6	263.2	334.8	406.4	478.1	549.7	621.3	692.9	764.5	836.1	6.3	6.3	4.8	21.2	19.1	10.6	14.8	4.2	0.0	2.1
Santiago Papasquiaro	320.7	439.3	558.0	676.6	795.3	914.0	1032.6	1151.3	1269.9	1388.6	11.1	8.8	8.8	11.1	24.4	20.0	8.8	0.0	4.4	2.2
Súchil	297.0	329.3	361.7	394.0	426.4	458.8	491.1	523.5	555.8	588.2	13.3	6.6	6.6	20.0	6.6	13.3	0.0	13.3	13.3	6.6
Tamazula	912.9	1227.6	1542.4	1857.2	2172.0	2486.7	2801.5	3116.3	3431.0	3745.8	33.3	30.7	20.5	10.2	0.0	0.0	2.5	0.0	0.0	2.5
Tepehuanes	333.6	425.3	517.1	608.8	700.5	792.2	883.9	975.7	1067.4	1159.1	12.1	9.0	21.2	25.7	13.6	9.0	7.5	0.0	0.0	1.5
Tlahualilo	198.7	223.7	248.8	273.8	298.9	324.0	349.0	374.1	399.1	424.2	21.7	8.6	13.0	4.3	0.0	21.7	13.0	0.0	4.3	13.0
Topia	671.3	790.7	910.1	1029.5	1149.0	1268.4	1387.8	1507.2	1626.6	1746.0	7.6	0.0	15.3	25.6	10.2	17.9	5.1	10.2	0.0	7.6
Vicente Guerrero	356.6	395.8	435.1	474.3	513.6	552.8	592.1	631.3	670.6	709.8	13.0	17.3	8.6	8.6	17.3	4.3	21.7	4.3	0.0	4.3
Nuevo Ideal	385.8	458.3	530.8	603.3	675.8	748.3	820.8	893.3	965.8	1038.3	13.0	8.6	21.7	34.7	13.0	4.3	0.0	0.0	0.0	4.3
Estatal	314.9	390.9	467.0	543.0	619.0	695.0	771.0	847.1	923.1	999.1	1.4	7.2	11.5	24.6	26.0	20.2	5.7	1.4	0.0	1.4

Tabla C.70. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Durango.

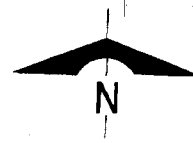
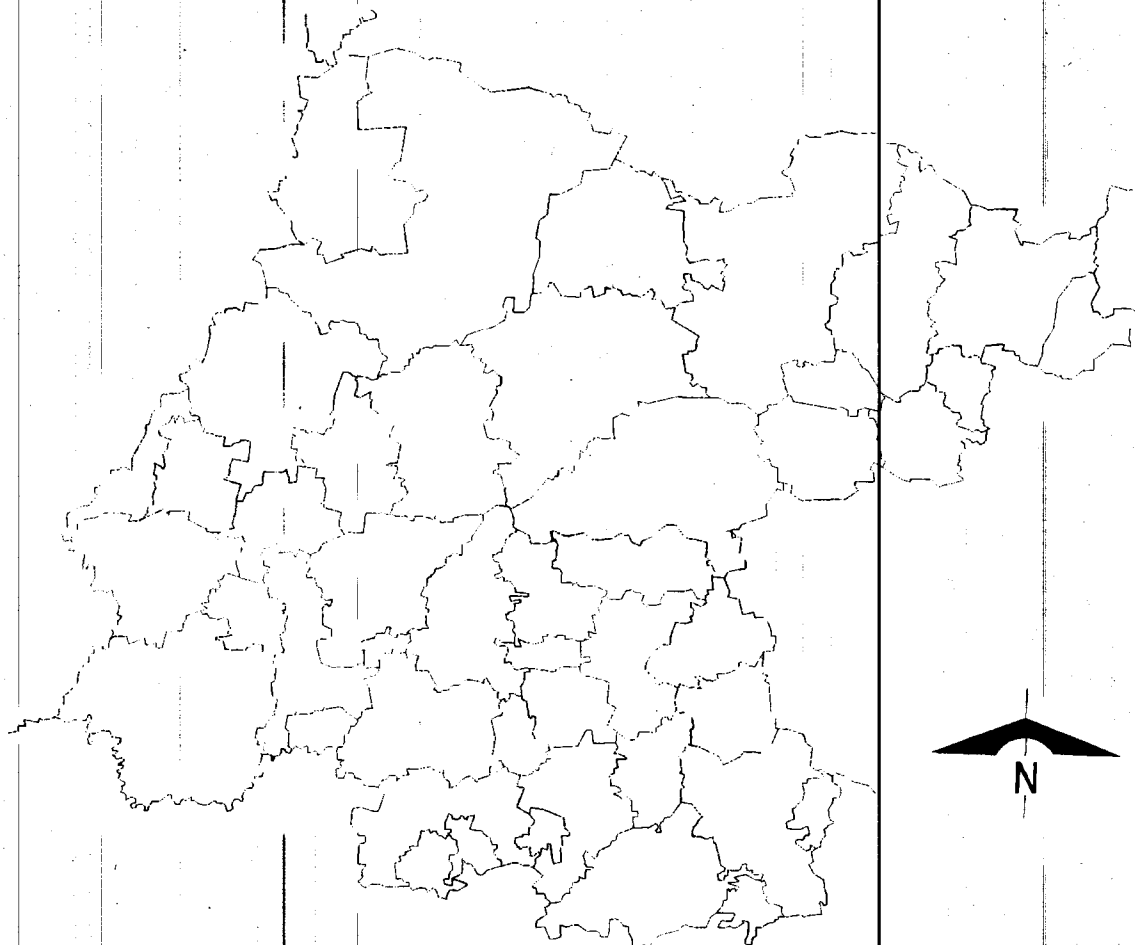
Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para sequía Meteorológica	Tipo de sequía
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	Muvia disponible			
	Per(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c	Hp disp S(mm)	Hp disp S(mm)		
Canatlán	4.0	1.8	1.8	1.8	254.5	364.2	141.3	26.0	382.6	5.4	VASTA	
Canelas	4.2	2.4	2.4	2.1	497.5	448.6	207.2	14.0	1190.0	5.1	MUY SEVERA	
Coneto de Comonfort	4.2	1.3	2.3	1.6	188.5	250.4	81.9	19.0	349.4	5.3	MUY SEVERA	
Cuencamé	4.1	1.7	2.4	1.7	165.4	148.9	68.9	20.0	269.2	3.7	MUY SEVERA	
Durango	4.8	2.1	3.1	2.0	327.5	279.9	105.6	15.0	56.1	4.1	EXTREMADAMENTE SEVERA	
General Simón Bolívar	4.2	2.7	2.3	2.5	163.6	235.9	71.1	21.0	264.6	4.6	MUY VASTA	
Gómez Palacio	2.7	1.0	1.5	0.5	99.0	52.4	66.0	23.0	211.8	3.7	VASTA	
Guadalupe Victoria	3.1	1.1	1.6	0.9	136.7	127.9	85.4	17.0	404.3	4.8	SEVERA	
Guanaceví	3.7	1.5	1.7	0.6	186.9	156.3	109.9	19.0	463.2	5.4	SEVERA	
Hidalgo	3.1	1.7	2.2	2.0	326.5	366.8	148.4	34.0	279.4	1.7	MUY CRITICA	
Indé	4.0	1.7	2.1	1.8	199.1	308.9	94.8	24.0	284.8	5.9	MUY VASTA	
Lerdo	3.1	1.3	1.8	0.9	109.6	61.2	60.8	20.0	243.0	3.8	SEVERA	
Mapimi	2.7	1.0	1.3	0.4	113.2	55.5	87.0	29.0	208.1	4.3	VASTA	
Mezquital	5.2	3.6	2.1	1.7	244.8	270.2	116.5	24.0	355.9	7.4	MUY VASTA	
Nazas	4.3	3.3	3.1	2.9	235.4	219.3	75.9	27.0	198.1	3.6	EXTREMADAMENTE VASTA	
Nombre de Dios	3.1	1.2	1.5	0.7	156.3	113.8	104.1	20.0	391.8	4.4	SEVERA	
Ocampo	3.6	1.3	1.7	0.6	227.0	112.2	133.5	27.0	358.1	4.4	VASTA	
Oro, El	3.5	1.4	1.5	0.6	175.0	128.7	116.6	22.0	409.6	5.1	VASTA	
Otáez	3.5	1.2	1.7	0.7	354.3	248.3	208.4	16.0	1051.3	5.1	SEVERA	
Pánuco de Coronado	3.2	1.2	1.8	1.2	179.4	118.5	99.6	18.0	438.1	4.0	SEVERA	
Peñon Blanco	4.0	2.1	2.2	1.8	237.3	310.6	107.8	27.0	284.0	5.8	MUY VASTA	
Poanas	2.7	0.6	1.2	0.4	103.2	67.6	86.0	17.0	394.6	4.9	SEVERA	
Pueblo Nuevo	3.1	0.9	1.6	0.6	343.7	220.1	214.8	18.0	947.6	5.6	SEVERA	
Rodeo	4.0	1.9	2.3	1.9	238.9	324.1	103.8	27.0	278.2	5.9	MUY VASTA	
San Bernardo	3.7	1.4	1.8	0.7	182.1	135.5	101.1	18.0	457.0	5.2	SEVERA	
San Dimas	3.0	1.1	1.4	0.9	218.0	213.8	155.7	17.0	738.8	4.8	SEVERA	
San Juan de Guadalupe	5.0	3.0	2.5	2.5	206.4	293.6	82.5	24.0	254.4	5.3	MUY VASTA	
San Juan del Río	4.1	1.7	2.0	1.4	169.2	247.9	84.5	19.0	348.6	6.0	MUY SEVERA	
San Luis del Cordero	4.8	2.1	2.7	2.2	215.4	208.8	79.7	24.0	246.7	7.2	MUY VASTA	
San Pedro del Gallo	4.3	3.3	3.1	2.9	235.4	219.3	75.9	27.0	198.1	3.6	EXTREMADAMENTE VASTA	
Santa Clara	4.7	2.3	2.6	1.6	299.3	226.0	115.1	27.0	3015.1	4.8	MUY VASTA	
Santiago Papasquiaro	5.8	6.7	2.6	3.6	575.8	1225.8	221.4	31.0	4710	5.3	MUY CRITICA	
Súchil	2.6	0.4	1.3	0.4	100.9	74.4	77.6	18.0	342.1	4.4	SEVERA	
Tamazula	5.4	2.1	2.8	2.5	885.4	880.8	316.2	26.0	884.8	3.8	MUY VASTA	
Tepehuanes	5.9	5.5	3.1	4.9	361.8	731.2	116.7	20.0	440.7	4.1	EXTREMADAMENTE SEVERA	
Tlahualilo	2.7	1.0	1.3	0.4	98.7	45.5	75.9	26.0	207.1	4.6	VASTA	
Topia	4.2	1.3	1.9	1.5	443.5	481.7	233.4	21.0	873.5	5.8	VASTA	
Vicente Guerrero	3.6	1.6	1.5	1.0	140.1	114.9	93.4	19.0	384.1	4.8	SEVERA	
Nuevo Ideal	3.1	1.4	1.5	1.0	165.8	91.3	110.5	20.0	438.2	5.3	SEVERA	
Estatad	3.8	2.1	1.9	1.7	176.5	211.7	92.8	16.0	462.9	4.5	SEVERA	

Tabla C.71. Características de la sequía promedio de cada municipio del estado de Durango.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^m Smáx/Dmáx	% de I ^m	Intensidad	Duración / máx	% de I ^m máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I ^m (mm/año)	respecto a X ₀	I máx(mm/año)	D / máx(años)	respecto a X ₀	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Canatlán	1449.6	8.0	181.2	34.0	255.9	2.0	48.0	69.2	15.3	7.6	0.0	0.0	0.0	0.0	7.6	0.0	0.0
Canelas	1272.0	7.0	181.7	13.0	313.2	3.0	22.0	50.0	16.6	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Coneto Comonfort	865.2	6.0	144.2	34.0	144.2	6.0	34.0	44.4	22.2	11.1	11.1	0.0	11.1	0.0	0.0	0.0	0.0
Cuencamá	448.4	4.0	112.1	33.0	112.1	4.0	33.0	50.0	20.0	0.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0
Durango	878.9	7.0	125.5	18.0	139.2	4.0	20.0	40.0	10.0	0.0	20.0	20.0	0.0	10.0	0.0	0.0	0.0
Gral Simón Bolívar	883.6	10.0	88.3	26.0	180.1	1.0	53.0	54.5	27.2	0.0	9.0	0.0	0.0	0.0	0.0	0.0	9.0
Gómez Palacio	218.9	2.0	109.4	38.0	109.4	2.0	38.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gpe Victoria	462.6	4.0	115.6	23.0	115.6	4.0	23.0	55.5	33.3	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Guanaceví	571.6	2.0	285.8	49.0	285.8	2.0	49.0	40.0	50.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hidalgo	938.4	5.0	187.6	43.0	224.8	1.0	52.0	71.4	0.0	0.0	0.0	14.2	14.2	0.0	0.0	0.0	0.0
Indé	1286.4	8.0	160.8	42.0	160.8	8.0	42.0	53.3	26.6	6.6	0.0	6.6	0.0	0.0	6.6	0.0	0.0
Lerdo	228.8	4.0	57.2	18.0	84.4	1.0	27.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Mapimi	219.1	2.0	109.5	37.0	123.9	1.0	42.0	62.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mezquital	825.8	6.0	137.6	29.0	266.9	1.0	56.0	50.0	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Nazas	783.0	11.0	71.1	25.0	132.0	3.0	48.0	22.2	44.4	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Nombre de Dios	343.0	3.0	114.3	22.0	155.5	2.0	30.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ocampo	364.7	2.0	182.3	37.0	211.2	1.0	43.0	42.8	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oro, El	477.8	2.0	238.9	45.0	238.9	2.0	45.0	54.5	36.3	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Otáez	841.9	3.0	280.6	22.0	398.6	1.0	31.0	50.0	30.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pánuco Coronado	424.5	4.0	106.1	19.0	202.8	1.0	37.0	62.5	12.5	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Peñon Blanco	1092.3	7.0	156.0	39.0	156.0	7.0	39.0	55.5	11.1	22.2	0.0	0.0	0.0	11.1	0.0	0.0	0.0
Poanas	250.2	2.0	125.1	26.0	156.3	1.0	32.0	77.7	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pueblo Nuevo	876.5	2.0	438.2	37.0	438.2	2.0	37.0	50.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ródec	1305.9	8.0	163.2	42.0	163.2	8.0	42.0	46.1	23.0	7.6	15.3	0.0	0.0	0.0	7.6	0.0	0.0
San Bernardo	541.7	2.0	270.8	48.0	270.8	2.0	48.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
San Dimas	769.2	2.0	384.6	43.0	384.6	2.0	43.0	77.7	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Sn Juan Gpe	996.2	9.0	110.6	32.0	116.1	1.0	34.0	55.5	22.2	0.0	0.0	11.1	0.0	0.0	0.0	11.1	0.0
Sn Juan del Río	930.2	6.0	155.0	35.0	155.0	6.0	35.0	45.4	27.2	18.1	0.0	0.0	9.0	0.0	0.0	0.0	0.0
Sn Luis Cordero	623.7	5.0	124.7	38.0	141.7	2.0	43.0	38.4	30.7	7.6	0.0	7.6	0.0	7.6	7.6	0.0	0.0
San Pedro Gallo	783.0	11.0	71.1	25.0	132.0	3.0	48.0	22.2	44.4	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Santa Clara	839.3	6.0	139.8	33.0	167.5	1.0	40.0	33.3	22.2	22.2	0.0	11.1	11.1	0.0	0.0	0.0	0.0
Santiago Papasquiaré	3807.2	12.0	317.2	45.0	317.2	12.0	45.0	75.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Súchil	221.0	2.0	110.5	26.0	155.1	1.0	36.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tamazula	2492.8	8.0	311.6	25.0	577.8	1.0	48.0	50.0	12.5	12.5	0.0	0.0	12.5	0.0	12.5	0.0	0.0
Tepehuanes	2722.3	19.0	143.2	25.0	224.6	1.0	40.0	66.6	8.3	0.0	8.3	8.3	0.0	0.0	0.0	0.0	0.0
Tlahualilo	191.7	2.0	95.8	33.0	109.4	1.0	38.0	62.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Topia	1826.7	6.0	304.4	27.0	458.9	1.0	41.0	60.0	20.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
Vicente Guerrero	415.9	4.0	103.9	21.0	123.4	1.0	25.0	71.4	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Nuevo Ideal	314.0	4.0	78.5	14.0	235.4	1.0	42.0	71.4	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Estatad	709.1	8.0	88.6	15.0	222.9	1.0	40.0	66.6	11.1	5.5	11.1	0.0	0.0	0.0	5.5	0.0	0.0

Tabla C.72. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Durango.

GUANAJUATO



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años) primer decll	lluvia mínima registrada Hp min(mm)	Tr(años) para Hp min
	Media	Mediana	Desv Std'	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años			
	Xc(mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)			
HA11001	658.1	663.6	224.2	-0.1	4.8	0.34	655.0	481.0	351.0	208.0	0.0	0.0	19.5	105.8	31.1
HA11002	681.0	704.1	234.7	-0.7	4.0	0.34	724.0	564.0	432.0	280.0	61.0	0.0	26.7	110.9	40.7
HA11003	669.8	669.9	216.5	0.5	5.6	0.32	660.0	527.0	404.0	211.0	0.0	0.0	18.8	116.1	26.0
HA11005	553.1	544.9	197.1	-0.1	3.1	0.36	570.0	398.0	285.0	178.0	39.0	0.0	12.5	177.3	20.0
HA11006	663.2	640.0	193.3	0.1	2.8	0.29	646.0	501.0	421.0	346.0	248.0	172.0	15.3	301.2	30.4
HA11007	633.7	646.2	224.2	0.0	3.2	0.35	635.0	447.0	321.0	196.0	27.0	0.0	10.3	226.6	16.9
HA11008	607.8	620.7	229.7	0.5	2.9	0.38	589.0	377.0	318.0	255.0	142.0	28.0	3.9	322.7	9.5
HA11009	623.9	621.5	144.7	0.2	3.4	0.23	636.0	542.0	482.0	424.0	350.0	295.0	19.9	370.7	38.8
HA11010	661.3	712.7	284.1	-0.4	3.4	0.43	684.0	471.0	325.0	178.0	0.0	0.0	17.1	104.0	28.0
HA11011	618.9	599.0	247.5	1.5	7.0	0.40	572.0	420.0	314.0	200.0	15.0	0.0	4.8	316.1	9.9
HA11013	537.3	542.8	219.1	-0.3	3.6	0.41	562.0	383.0	257.0	129.0	0.0	0.0	13.3	115.6	21.4
HA11014	634.1	629.4	188.1	0.2	3.0	0.30	633.0	481.0	387.0	298.0	183.0	98.0	10.7	306.0	18.8
HA11015	475.1	468.1	206.9	0.5	4.4	0.44	463.0	333.0	248.0	163.0	46.0	0.0	18.6	74.1	40.4
HA11017	479.1	455.9	139.7	0.0	3.0	0.29	461.0	372.0	319.0	269.0	206.0	158.0	26.9	196.5	57.2
HA11019	815.9	712.3	740.9	4.2	23.8	0.91	688.0	476.0	320.0	131.0	0.0	0.0	1.8	337.3	9.3
HA11021	639.5	675.4	277.5	-0.4	3.3	0.43	672.0	432.0	276.0	126.0	0.0	0.0	13.6	103.6	22.2
HA11023	557.9	601.8	221.4	-0.8	4.0	0.40	592.0	426.0	315.0	204.0	55.0	0.0	25.0	84.4	41.8
HA11026	424.0	386.9	136.0	0.8	3.3	0.32	385.0	314.0	272.0	231.0	173.0	123.0	7.6	239.0	17.4
HA11027	649.4	640.0	182.5	0.1	3.7	0.28	644.0	502.0	402.0	296.0	143.0	16.0	19.8	209.9	33.9
HA11028	694.3	680.6	186.7	0.3	3.4	0.27	683.0	536.0	434.0	325.0	168.0	40.0	10.4	338.5	18.4
HA11029	680.9	692.5	284.6	-0.7	3.6	0.42	719.0	472.0	319.0	175.0	0.0	0.0	18.8	84.2	31.3
HA11031	712.8	745.5	284.5	-0.7	3.4	0.40	763.0	528.0	375.0	229.0	40.0	0.0	23.1	94.0	38.5
HA11032	522.8	503.1	197.3	0.7	3.2	0.38	402.0	341.0	310.0	272.0	171.0	61.0	2.6	305.9	11.0
HA11035	620.1	570.1	337.6	-1.0	6.2	0.54	587.0	361.0	200.0	23.0	0.0	0.0	8.9	70.0	16.8
HA11036	717.1	649.3	418.1	3.4	20.6	0.58	684.0	465.0	315.0	161.0	0.0	0.0	7.5	97.7	26.2
HA11037	729.0	682.5	251.2	-0.1	3.3	0.34	708.0	544.0	447.0	351.0	220.0	114.0	26.4	214.0	52.0
HA11040	584.7	577.0	231.4	-0.2	3.3	0.40	583.0	428.0	327.0	225.0	83.0	0.0	29.4	72.3	53.3
HA11041	685.3	693.2	198.4	0.9	5.4	0.29	658.0	459.0	379.0	219.0	12.0	0.0	2.8	414.4	8.3
HA11042	376.8	358.5	176.0	-0.2	2.4	0.47	372.0	219.0	138.0	64.0	0.0	0.0	10.2	78.0	17.5
HA11043	385.9	368.4	173.3	0.1	3.1	0.45	379.0	243.0	155.0	67.0	0.0	0.0	12.3	56.2	21.8
HA11044	654.9	617.0	228.7	0.6	2.9	0.35	603.0	459.0	378.0	301.0	198.0	117.0	8.3	320.5	16.8
HA11045	790.8	827.7	317.6	-0.4	3.8	0.40	823.0	572.0	406.0	245.0	33.0	0.0	22.2	76.0	41.5
HA11047	505.6	536.3	192.6	-0.4	3.0	0.38	532.0	330.0	251.0	180.0	88.0	17.0	18.8	113.0	38.9
HA11048	557.5	584.8	237.5	-0.6	3.6	0.43	574.0	387.0	271.0	161.0	21.0	0.0	20.1	73.5	35.3
HA11049	574.3	598.6	234.6	-0.8	3.5	0.41	593.0	381.0	246.0	118.0	0.0	0.0	19.1	41.1	30.5
HA11050	482.0	451.3	194.9	1.7	7.4	0.40	470.0	346.0	263.0	182.0	70.0	0.0	8.1	194.0	18.0
HA11051	467.5	494.4	197.0	-0.4	3.7	0.42	483.0	331.0	231.0	133.0	2.0	0.0	19.6	57.8	33.9
HA11052	609.8	607.6	216.2	-0.2	3.8	0.35	607.0	449.0	333.0	207.0	24.0	0.0	23.4	78.0	38.5
HA11053	442.9	438.8	169.1	-0.1	3.5	0.38	441.0	316.0	231.0	143.0	19.0	0.0	16.8	91.8	29.4
HA11054	610.4	618.9	279.2	-0.2	4.1	0.46	617.0	390.0	231.0	66.0	0.0	0.0	12.6	62.0	20.3
HA11056	511.7	537.3	212.1	-0.4	3.3	0.41	523.0	345.0	240.0	141.0	15.0	0.0	16.3	97.2	27.5
HA11058	627.3	637.7	176.8	0.3	3.1	0.28	641.0	430.0	388.0	279.0	127.0	14.0	8.6	334.0	14.4
HA11060	678.2	668.0	220.9	-0.1	5.0	0.33	679.0	529.0	424.0	314.0	152.0	13.0	36.7	96.3	67.1
HA11061	648.0	497.8	242.4	0.7	2.7	0.37	500.0	442.0	412.0	379.0	320.0	236.0	3.5	382.5	18.8
HA11063	601.4	564.0	300.4	1.2	5.1	0.50	555.0	397.0	296.0	200.0	76.0	0.0	7.6	222.3	17.0
HA11067	496.2	478.8	200.5	0.4	3.6	0.40	505.0	331.0	217.0	106.0	0.0	0.0	9.0	142.2	16.0
HA11069	423.0	411.0	147.9	0.4	3.2	0.35	402.0	308.0	252.0	197.0	126.0	70.0	10.0	197.3	20.0
HA11070	594.2	628.7	212.6	-0.7	3.8	0.36	620.0	445.0	332.0	225.0	87.0	0.0	23.0	119.6	40.3
HA11071	642.6	654.0	258.7	-0.4	4.0	0.40	666.0	455.0	318.0	186.0	17.0	0.0	17.0	108.3	30.5
HA11072	655.7	688.8	251.0	-0.8	4.2	0.38	707.0	565.0	431.0	273.0	57.0	0.0	27.3	102.6	41.2
HA11073	769.3	807.3	370.1	1.1	7.5	0.48	818.0	523.0	36.0	0.0	0.0	0.0	6.1	196.8	7.9
HA11076	681.9	739.8	258.2	-0.9	4.2	0.38	728.0	533.0	399.0	262.0	70.0	0.0	26.5	98.5	43.8
HA11078	567.9	534.5	298.7	0.1	3.0	0.53	538.0	322.0	204.0	92.0	0.0	0.0	11.1	81.5	21.4
HA11080	523.2	477.0	209.0	1.6	6.2	0.40	485.0	375.0	304.0	233.0	134.0	51.0	6.5	250.3	16.9
HA11081	506.5	525.8	137.4	-0.1	2.3	0.27	513.0	385.0	317.0	254.0	174.0	114.0	10.0	272.1	16.3
HA11083	499.8	491.3	243.3	-0.2	3.2	0.49	489.0	312.0	205.0	105.0	0.0	0.0	16.7	48.0	29.8
HA11085	688.7	674.1	192.0	0.9	5.1	0.28	663.0	489.0	419.0	292.0	107.0	0.0	4.4	426.8	9.5

Tabla C.73. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Guanajuato.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica		
	Periodicidad	DevStd	PerS	Duración	DevStd	DS	Severidad	DevStd	SS	Intensidad			% de IS	Huiva disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a Xc	Hp disp S(mm)	Hp disp S(mm)				
HA11001	4.6	2.0	2.7	2.2	426.5	633.7	157.9	23.0	500.1	4.5	MUY VASTA			
HA11002	4.7	1.6	2.1	1.0	388.2	575.7	184.8	27.0	496.1	7.2	MUY VASTA			
HA11003	3.0	0.9	1.5	0.6	229.1	213.9	152.7	22.0	517.0	5.3	VASTA			
HA11005	4.5	1.8	2.7	2.2	402.7	516.6	149.1	26.0	403.9	4.8	MUY VASTA			
HA11006	5.2	3.5	2.5	2.9	367.2	421.3	146.8	22.0	516.4	4.4	MUY VASTA			
HA11007	5.8	3.4	3.1	2.1	544.0	658.5	175.4	27.0	458.3	4.7	EXTREMADAMENTE VASTA			
HA11008	3.5	1.1	2.1	1.9	415.1	533.3	197.6	32.0	410.1	3.5	MUY CRITICA			
HA11009	3.2	0.8	2.6	1.0	264.7	150.6	101.8	16.0	522.1	6.2	MUY SEVERA			
HA11010	4.0	2.0	2.1	1.4	532.8	711.1	263.7	38.0	407.5	6.7	MUY CRITICA			
HA11011	3.2	1.2	1.7	1.3	279.4	396.3	164.3	26.0	454.5	4.0	VASTA			
HA11013	4.0	2.0	1.5	1.0	299.3	463.3	199.5	37.0	337.8	6.4	CRITICA			
HA11014	4.0	1.8	2.7	2.2	374.9	457.0	138.8	21.0	495.2	4.5	MUY VASTA			
HA11015	4.5	2.6	2.8	2.2	404.7	532.7	144.5	30.0	330.5	5.1	MUY VASTA			
HA11017	3.7	2.0	2.0	1.4	207.0	190.5	103.5	21.0	375.6	4.8	MUY VASTA			
HA11019	4.4	1.6	3.0	1.6	686.6	647.2	228.8	28.0	587.0	3.0	EXTREMADAMENTE VASTA			
HA11021	4.7	2.0	1.8	1.4	452.1	596.1	251.1	39.0	388.4	6.0	CRITICA			
HA11023	5.6	2.0	2.5	2.0	535.7	706.7	214.2	38.0	343.7	8.4	MUY CRITICA			
HA11026	4.1	2.1	2.4	1.1	218.9	80.1	91.2	21.0	332.7	3.7	MUY VASTA			
HA11027	5.0	2.9	2.3	2.4	318.7	367.9	138.5	21.0	510.8	4.7	MUY VASTA			
HA11028	4.3	2.5	2.2	1.7	295.5	251.9	134.3	19.0	559.9	4.3	MUY SEVERA			
HA11029	4.2	1.1	1.8	0.6	426.9	570.8	237.1	34.0	443.8	5.6	CRITICA			
HA11031	4.1	2.2	1.5	1.3	407.2	640.8	271.4	38.0	441.3	7.4	CRITICA			
HA11032	6.6	3.6	2.7	1.7	439.2	328.5	162.6	31.0	360.1	3.3	MUY CRITICA			
HA11035	4.2	1.2	2.7	2.4	606.7	813.5	224.7	36.0	395.4	4.3	MUY CRITICA			
HA11036	3.8	1.5	3.1	3.3	548.3	809.4	176.8	24.0	540.2	3.6	EXTREMADAMENTE VASTA			
HA11037	6.2	2.5	2.8	2.7	512.6	717.0	183.0	25.0	545.9	4.9	MUY VASTA			
HA11040	4.1	1.0	2.4	1.8	388.5	613.5	161.8	27.0	422.9	5.2	MUY VASTA			
HA11041	5.5	1.5	3.3	2.6	551.9	534.6	167.2	24.0	518.0	2.6	EXTREMADAMENTE VASTA			
HA11042	4.2	1.9	2.6	1.6	370.9	389.8	142.6	37.0	234.2	4.4	MUY CRITICA			
HA11043	4.2	1.0	2.5	2.1	326.2	466.5	130.4	33.0	255.4	4.5	MUY CRITICA			
HA11044	4.3	1.2	3.2	3.3	542.2	571.6	169.4	25.0	485.5	4.0	EXTREMADAMENTE VASTA			
HA11045	4.1	1.6	2.1	2.2	591.6	1116.2	281.7	35.0	509.0	6.5	MUY CRITICA			
HA11047	5.5	2.8	2.2	1.4	397.5	258.0	180.6	35.0	324.9	5.2	MUY CRITICA			
HA11048	4.6	1.6	2.5	2.0	537.1	692.9	214.8	38.0	342.6	6.5	MUY CRITICA			
HA11049	4.0	1.8	2.0	1.5	448.4	704.5	224.1	39.0	350.2	5.8	MUY CRITICA			
HA11050	4.0	2.0	2.1	1.1	264.8	199.8	126.0	26.0	356.0	4.6	MUY VASTA			
HA11051	4.5	2.2	2.3	1.4	397.3	508.0	172.7	36.0	294.8	6.4	MUY CRITICA			
HA11052	4.4	1.7	2.1	1.5	332.3	565.7	158.2	25.0	451.5	4.9	MUY VASTA			
HA11053	3.1	1.0	2.0	1.5	241.4	364.6	120.6	27.0	322.2	4.8	MUY VASTA			
HA11054	3.2	1.1	2.0	1.8	406.1	749.5	203.0	33.0	407.3	4.6	MUY CRITICA			
HA11056	4.2	1.2	1.5	1.2	303.1	448.4	202.0	39.0	309.7	6.3	CRITICA			
HA11058	3.3	1.3	1.8	1.4	287.9	377.1	159.9	25.0	467.3	3.6	VASTA			
HA11060	4.0	1.8	2.3	1.3	282.5	527.6	122.8	18.0	555.3	4.2	MUY SEVERA			
HA11061	2.7	0.8	2.7	2.7	480.2	520.3	177.8	27.0	470.2	2.8	MUY VASTA			
HA11063	4.0	1.4	3.2	2.7	574.9	637.7	179.6	29.0	421.8	4.3	EXTREMADAMENTE VASTA			
HA11067	4.7	1.7	2.5	2.0	344.8	321.0	137.9	27.0	358.2	4.3	MUY VASTA			
HA11069	4.1	1.9	2.2	1.9	220.1	331.2	100.0	23.0	322.9	4.2	MUY VASTA			
HA11070	4.2	1.9	1.8	1.6	332.1	548.7	184.5	31.0	409.7	6.2	CRITICA			
HA11071	4.5	1.8	2.3	2.3	492.2	734.8	214.0	33.0	428.6	5.7	MUY CRITICA			
HA11072	5.0	1.8	1.8	1.4	392.8	687.8	218.2	33.0	437.5	9.7	CRITICA			
HA11073	5.2	1.9	2.2	1.9	619.7	789.4	281.6	36.0	487.6	5.3	MUY CRITICA			
HA11076	4.1	2.4	1.5	1.3	353.5	670.7	235.6	34.0	446.2	7.8	CRITICA			
HA11078	2.5	0.4	1.8	1.4	401.2	650.2	222.8	39.0	345.1	4.4	CRITICA			
HA11080	4.1	1.4	2.7	1.5	316.4	233.2	117.1	22.0	406.1	3.8	MUY VASTA			
HA11081	5.0	2.5	2.0	1.1	251.6	191.0	125.8	24.0	380.7	5.2	MUY VASTA			
HA11083	4.6	3.0	2.5	2.5	416.7	669.7	166.6	33.0	333.1	4.4	MUY CRITICA			
HA11085	7.0	0.5	4.0	3.0	546.8	458.3	136.6	19.0	552.0	2.6	MUY CRITICA			

Tabla C.75. Características de la sequía promedio de cada estación climatológica del estado de Guanajuato.

Municipio	Estadísticos de la lluvia promedio municipal						Límites de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _o (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p mín(mm)	H _p mín
Abasco	644.8	644.9	234.3	-0.1	4.7	0.36	648.0	483.0	348.0	183.0	0.0	0.0	18.4	95.3	27.6
Acámbaro	638.9	640.9	206.4	-0.3	3.8	0.32	653.0	490.0	374.0	252.0	78.0	0.0	25.9	104.7	43.4
Allende	675.3	621.3	232.5	1.5	6.9	0.34	628.0	493.0	398.0	294.0	128.0	0.0	4.5	403.7	9.6
Apaseo el Alto	603.0	604.3	180.8	0.2	2.7	0.30	590.0	458.0	379.0	305.0	209.0	139.0	11.1	303.9	20.1
Apaseo el Grande	553.1	544.9	197.1	-0.1	3.1	0.36	570.0	398.0	285.0	178.0	39.0	0.0	12.5	177.3	20.0
Atarjea	503.0	494.1	157.5	-0.1	2.9	0.31	497.0	390.0	324.0	261.0	181.0	121.0	20.0	207.1	37.0
Celaya	590.0	587.7	179.7	0.2	2.8	0.30	578.0	439.0	358.0	282.0	184.0	111.0	12.6	265.2	23.5
Manuel Doblado	769.3	661.8	454.2	3.2	15.7	0.59	666.0	520.0	397.0	180.0	0.0	0.0	4.1	292.4	15.1
Comonfort	606.2	600.5	206.8	0.3	3.3	0.34	593.0	473.0	391.0	305.0	176.0	64.0	17.0	252.3	29.5
Coroneo	698.2	747.9	238.0	-0.8	4.1	0.34	733.0	552.0	426.0	298.0	120.0	0.0	32.6	101.1	54.9
Cortazar	575.0	587.5	206.8	-0.5	3.7	0.36	595.0	425.0	313.0	204.0	60.0	0.0	19.1	124.9	33.1
Cuerámbaro	634.1	629.4	188.1	0.2	3.0	0.30	633.0	481.0	387.0	298.0	189.0	98.0	10.7	306.0	18.8
Doctor Mora	490.6	463.9	186.5	1.4	6.4	0.38	465.0	355.0	277.0	194.0	61.0	0.0	9.8	184.4	21.6
Dolores Hidalgo	490.6	486.8	151.3	0.3	2.8	0.31	485.0	346.0	297.0	245.0	164.0	90.0	26.8	158.1	52.8
Guanajuato	570.9	576.7	207.9	0.3	3.5	0.36	602.0	457.0	355.0	248.0	89.0	0.0	20.8	142.2	37.5
Huanimaro	566.6	561.0	200.3	-0.1	4.1	0.35	566.0	428.0	323.0	201.0	15.0	0.0	21.7	89.9	35.0
Irapuato	651.4	672.5	220.4	-0.4	4.3	0.34	667.0	487.0	358.0	223.0	26.0	0.0	24.8	62.0	42.9
Jaral del Progreso	647.7	652.5	254.3	-0.6	3.8	0.39	662.0	454.0	323.0	199.0	40.0	0.0	19.8	103.1	34.7
Jerécuaro	698.2	747.9	238.0	-0.8	4.1	0.34	733.0	552.0	426.0	298.0	120.0	0.0	32.6	101.1	54.9
León	721.1	750.8	281.3	-0.1	5.0	0.39	736.0	532.0	395.0	260.0	76.0	0.0	22.7	90.6	46.6
Moroleón	582.1	572.7	190.5	-0.2	3.3	0.33	583.0	440.0	354.0	274.0	179.0	94.0	22.5	187.6	42.9
Ocampo	464.9	442.3	184.5	1.6	7.4	0.40	462.0	324.0	235.0	149.0	38.0	0.0	6.4	197.3	13.5
Pénjamo	654.6	646.2	187.2	0.6	4.9	0.29	646.0	521.0	439.0	359.0	249.0	159.0	21.0	257.3	46.4
Pueblo Nuevo	651.4	672.5	220.4	-0.4	4.3	0.34	667.0	487.0	358.0	223.0	26.0	0.0	24.8	62.0	42.9
Purísima del Rincón	660.5	662.3	220.0	-0.2	3.8	0.33	676.0	487.0	360.0	233.0	62.0	0.0	14.8	192.0	25.0
Romita	623.7	613.3	236.8	0.5	3.6	0.38	624.0	439.0	318.0	200.0	45.0	0.0	8.3	257.9	14.2
Salamanca	628.8	619.5	194.3	0.3	3.2	0.31	615.0	470.0	367.0	257.0	96.0	0.0	11.6	261.0	19.5
Salvatierra	674.5	668.0	222.0	-0.2	4.6	0.33	674.0	558.0	407.0	227.0	0.0	0.0	21.2	99.4	32.9
San Diego de la Unión	424.0	386.9	136.0	0.8	3.3	0.32	385.0	314.0	272.0	231.0	179.0	123.0	7.6	238.0	17.4
San Felipe	463.8	462.5	176.9	0.2	2.7	0.38	455.0	323.0	243.0	166.0	68.0	0.0	12.9	142.2	25.0
San Francisco del Rincón	660.5	662.3	220.0	-0.2	3.8	0.33	676.0	487.0	360.0	233.0	62.0	0.0	14.8	192.0	25.0
San José Iturbide	490.6	463.9	186.5	1.4	6.4	0.38	465.0	355.0	277.0	194.0	61.0	0.0	9.8	184.4	21.6
San Luis de la Paz	504.8	492.8	178.0	0.4	3.8	0.35	493.0	363.0	264.0	153.0	0.0	0.0	12.4	150.4	20.3
Santa Catarina	525.9	489.2	204.1	1.4	6.3	0.39	491.0	369.0	285.0	197.0	57.0	0.0	7.8	214.9	17.4
Sla Cruz Juventino Rosas	590.4	594.8	188.5	0.6	3.4	0.32	575.0	396.0	370.0	315.0	169.0	46.0	3.0	348.8	14.5
Santiago Maravatío	641.0	658.8	252.0	-0.5	3.7	0.39	657.0	456.0	331.0	212.0	58.0	0.0	20.8	108.3	37.0
Silao	623.7	613.3	236.8	0.5	3.6	0.38	624.0	439.0	318.0	200.0	45.0	0.0	8.3	257.9	14.2
Tarandacuao	698.2	747.9	238.0	-0.8	4.1	0.34	733.0	552.0	426.0	298.0	120.0	0.0	32.6	101.1	54.9
Tarimoro	669.7	668.0	214.0	-0.4	4.7	0.32	685.0	532.0	412.0	271.0	42.0	0.0	26.8	95.9	40.9
Tierra Blanca	490.6	463.9	186.5	1.4	6.4	0.38	485.0	355.0	277.0	194.0	61.0	0.0	9.8	184.4	21.6
Uriangato	576.9	594.7	179.4	-0.3	3.4	0.31	593.0	446.0	350.0	257.0	134.0	39.0	18.8	192.1	32.5
Valle de Santiago	609.8	607.6	216.2	-0.2	3.8	0.35	607.0	449.0	333.0	207.0	24.0	0.0	23.4	78.0	38.5
Victoria	660.0	612.3	248.3	0.0	3.0	0.38	633.0	475.0	384.0	298.0	189.0	94.0	21.3	195.1	45.4
Villagrán	600.3	594.7	202.1	-0.2	3.8	0.34	597.0	451.0	350.0	245.0	95.0	0.0	29.2	91.3	51.2
Xichú	503.0	494.1	157.5	-0.1	2.9	0.31	497.0	390.0	324.0	261.0	181.0	121.0	20.0	207.1	37.0
Yuriria	603.5	599.5	199.5	-0.2	3.7	0.33	614.0	459.0	353.0	246.0	96.0	0.0	19.8	162.8	33.6
Estatad	594.0	595.2	152.0	0.0	3.3	0.26	593.0	481.0	411.0	344.0	256.0	189.0	30.8	227.4	67.4

Tabla C.77. Características estadísticas de la lluvia anual de cada municipio del estado de Guanajuato.

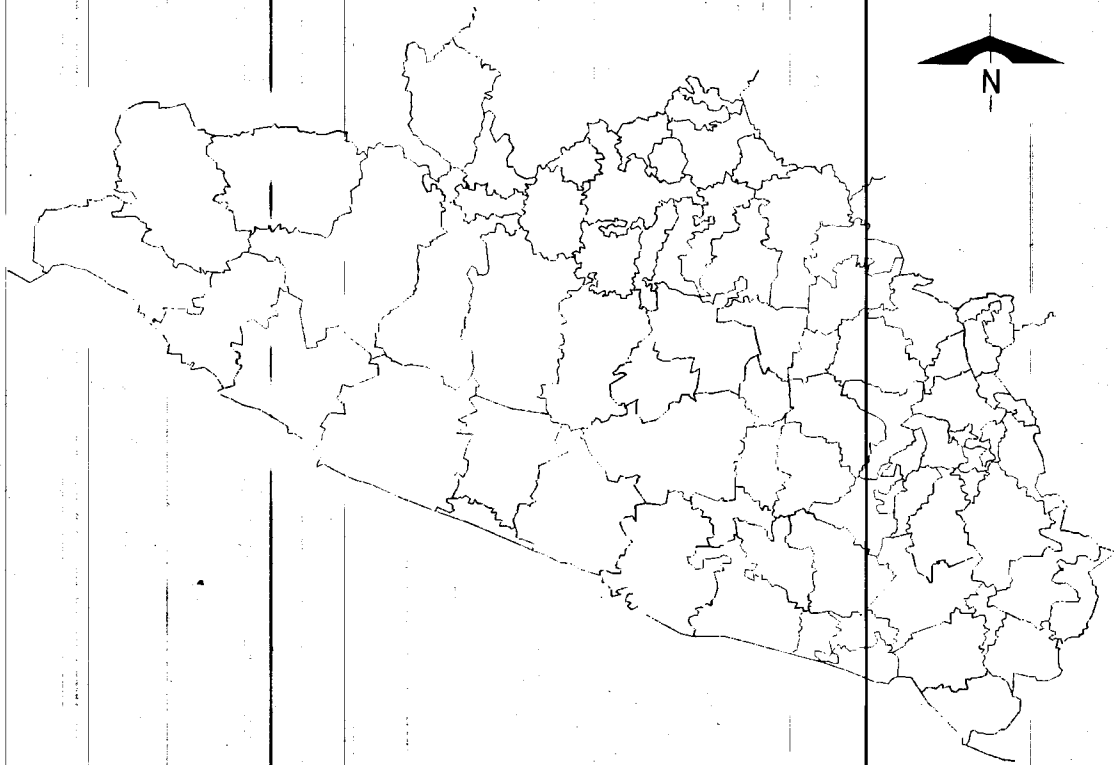
Municipio	Características promedio de la sequía meteorológica municipal									Lluvia disponible Hp (mm)	Tr(años) para Hp disp. S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS	respecto a X _s			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)					
Abasco	3.5	2.1	2.1	2.1	346.9	626.4	165.1	25.0		479.6	5.1	MUY VASTA
Acámbaro	5.1	3.1	2.3	2.5	378.6	546.6	164.6	25.0		474.3	5.5	MUY VASTA
Allende	3.3	1.0	2.5	2.1	349.0	409.0	139.6	20.0		535.6	3.7	MUY SEVERA
Apaseo el Alto	6.5	2.0	2.5	2.2	398.2	438.9	159.2	26.0		443.7	5.6	MUY VASTA
Apaseo el Grande	4.5	1.8	2.7	2.2	402.7	516.6	149.1	26.0		403.9	4.8	MUY VASTA
Atarjea	8.3	0.4	3.5	2.8	400.3	418.5	114.3	22.0		388.7	5.1	EXTREMADAMENTE VASTA
Celaya	4.3	2.6	2.1	2.0	292.6	410.8	139.3	23.0		450.6	4.6	MUY VASTA
Manuel Doblado	4.5	2.0	3.1	1.6	562.5	489.5	181.4	23.0		587.8	3.2	EXTREMADAMENTE VASTA
Comonfort	3.2	1.2	2.6	2.7	362.6	615.4	139.4	22.0		466.8	5.3	MUY VASTA
Coroneo	4.1	2.3	1.7	1.3	350.7	595.4	206.2	29.0		491.9	6.9	VASTA
Cortazar	4.8	2.6	2.2	1.9	368.2	526.3	167.3	29.0		407.7	5.5	MUY VASTA
Cuerármaro	4.0	1.8	2.7	2.2	374.9	457.0	138.8	21.0		495.2	4.5	MUY VASTA
Doctor Mora	5.2	2.2	3.0	1.6	343.1	268.4	114.3	23.0		376.2	4.1	EXTREMADAMENTE VASTA
Dolores Hidalgo	4.7	2.3	2.3	1.8	289.0	232.0	125.6	25.0		365.0	3.9	MUY VASTA
Guanajuato	5.5	2.6	2.7	2.5	469.3	509.9	173.8	30.0		397.0	7.5	MUY VASTA
Huanimaro	3.9	2.2	2.6	2.1	344.3	562.4	132.4	23.0		434.1	4.8	MUY VASTA
Irapuato	4.2	1.8	2.2	1.8	383.0	588.1	174.0	26.0		477.4	5.3	MUY VASTA
Jaral del Progreso	5.0	1.8	2.1	1.4	414.3	638.7	197.2	30.0		450.4	5.1	MUY VASTA
Jerécuaro	4.1	2.3	1.7	1.3	350.7	595.4	206.2	29.0		491.9	6.9	VASTA
León	4.2	2.4	3.0	2.8	662.0	1026.9	220.6	30.0		500.4	5.8	EXTREMADAMENTE VASTA
Moroleón	4.2	1.9	3.0	2.6	381.3	630.8	127.0	21.0		455.1	4.5	EXTREMADAMENTE VASTA
Ocampo	3.9	2.1	2.0	1.5	246.2	296.9	123.0	26.0		341.9	4.4	MUY VASTA
Pénjamo	3.3	1.4	2.0	1.4	256.8	337.0	128.3	19.0		526.3	4.8	MUY SEVERA
Pueblo Nuevo	4.2	1.8	2.2	1.8	383.0	588.1	174.0	26.0		477.4	5.3	MUY VASTA
Purísima del Rincón	4.5	2.1	2.1	1.3	364.6	488.4	173.6	26.0		486.8	5.0	MUY VASTA
Romita	3.3	1.3	2.1	2.1	386.5	555.9	184.0	29.0		439.6	5.0	MUY VASTA
Salamanca	4.6	2.2	2.6	2.3	378.7	473.3	145.6	23.0		483.2	4.6	MUY VASTA
Salvatierra	4.0	1.8	2.0	1.2	298.1	504.4	149.0	22.0		525.5	6.0	MUY VASTA
San Diego de la Unión	4.1	2.1	2.4	1.1	218.9	80.1	91.2	21.0		332.7	3.7	MUY VASTA
San Felipe	4.8	2.3	2.4	2.1	319.6	376.6	133.1	28.0		330.7	4.7	MUY VASTA
San Francisco del Rincón	4.5	2.1	2.1	1.3	364.6	488.4	173.6	26.0		486.8	5.0	MUY VASTA
San José Iturbide	5.2	2.2	3.0	1.6	343.1	288.4	114.3	23.0		376.2	4.1	EXTREMADAMENTE VASTA
San Luis de la Paz	5.2	2.1	2.5	1.8	317.1	368.9	126.8	25.0		377.9	4.5	MUY VASTA
Santa Catarina	4.1	2.2	2.5	2.1	312.4	355.9	124.9	23.0		401.0	3.8	MUY VASTA
Santa Cruz de Juventino Rosas	3.7	3.0	2.2	1.9	350.6	323.2	159.3	26.0		431.0	2.6	MUY VASTA
Santiago Maravatío	5.0	1.8	2.1	1.4	409.0	644.2	194.7	30.0		446.3	5.3	MUY VASTA
Silao	3.3	1.3	2.1	2.1	386.5	555.9	184.0	29.0		439.6	5.0	MUY VASTA
Tarandacuao	4.1	2.3	1.7	1.3	350.7	595.4	206.2	29.0		491.9	6.9	VASTA
Tarimoro	4.0	1.7	1.9	1.2	287.4	520.4	151.2	22.0		518.4	5.4	VASTA
Tierra Blanca	5.2	2.2	3.0	1.6	343.1	268.4	114.3	23.0		376.2	4.1	EXTREMADAMENTE VASTA
Uriangato	4.2	1.9	2.3	1.9	371.5	529.9	161.5	27.0		415.3	6.2	MUY VASTA
Valle de Santiago	4.4	1.7	2.1	1.5	332.3	565.7	158.2	25.0		451.5	4.9	MUY VASTA
Victoria	5.0	2.4	2.3	2.5	427.1	740.2	185.6	28.0		474.3	5.0	MUY VASTA
Villagrán	4.4	2.1	2.0	1.4	317.5	475.0	158.7	26.0		441.6	5.3	MUY VASTA
Xichú	8.3	0.4	3.5	2.8	400.3	418.5	114.3	22.0		388.7	5.1	EXTREMADAMENTE VASTA
Yuriria	4.2	1.9	2.6	2.7	388.8	655.5	149.5	24.0		453.9	5.2	MUY VASTA
Estatal	4.3	2.2	2.1	1.3	248.9	325.0	118.5	19.0		475.4	5.3	MUY SEVERA

Tabla C.79. Características de la sequía promedio de cada municipio del estado de Guanajuato.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I^*	Intensidad	Duración / $m\acute{a}x$	% de $I / m\acute{a}x$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I^*(mm/a\acute{o}o)$	respecto a X_c	$I_{m\acute{a}x}(mm/a\acute{o}o)$	$D_{m\acute{a}x}(a\acute{o}s)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Abasco	2100.6	8.0	262.5	40.0	262.5	8.0	40.0	55.5	33.3	0.0	0.0	0.0	0.0	0.0	11.1	0.0	0.0
Acámbaro	1809.6	5.0	361.9	56.0	361.9	5.0	56.0	58.3	25.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0	8.3
Allende	1216.3	7.0	173.7	25.0	173.7	7.0	25.0	50.0	16.6	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Apaseo el Alto	1247.0	7.0	178.1	29.0	194.8	2.0	32.0	40.0	40.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
Apaseo el Grande	1398.1	7.0	199.7	36.0	199.7	7.0	36.0	40.0	20.0	20.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
Atarjea	1038.7	8.0	129.8	25.0	129.8	8.0	25.0	50.0	0.0	0.0	25.0	0.0	0.0	0.0	25.0	0.0	0.0
Celaya	1262.5	7.0	180.3	30.0	181.8	2.0	30.0	57.1	28.5	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.0
Manuel Doblado	1895.1	6.0	315.8	41.0	315.8	6.0	41.0	20.0	20.0	30.0	10.0	0.0	20.0	0.0	0.0	0.0	0.0
Comonfort	1585.6	8.0	198.2	32.0	198.2	8.0	32.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
Coroneo	1999.2	5.0	399.8	57.0	399.8	5.0	57.0	66.6	11.1	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0
Cortazar	1648.0	7.0	235.4	40.0	235.4	7.0	40.0	42.8	42.8	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.0
Cuerámaro	1280.4	7.0	182.9	28.0	182.9	7.0	28.0	40.0	20.0	20.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
Doctor Mora	919.0	6.0	153.1	31.0	164.8	3.0	33.0	25.0	12.5	37.5	0.0	12.5	12.5	0.0	0.0	0.0	0.0
Dolores Hidalgo	697.8	5.0	139.5	28.0	332.5	1.0	67.0	55.5	11.1	11.1	0.0	11.1	11.1	0.0	0.0	0.0	0.0
Guanajuato	1872.2	10.0	187.2	32.0	381.0	1.0	66.0	45.4	18.1	9.0	18.1	0.0	0.0	0.0	0.0	0.0	9.0
Huanimaro	1812.9	8.0	226.6	39.0	226.6	8.0	39.0	37.5	25.0	25.0	0.0	0.0	0.0	0.0	12.5	0.0	0.0
Irapuato	2434.5	8.0	304.3	46.0	304.3	8.0	46.0	42.8	35.7	7.1	7.1	0.0	0.0	0.0	7.1	0.0	0.0
Jaral del Progreso	1831.6	5.0	366.3	56.0	366.3	5.0	56.0	50.0	16.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Jerécuaro	1999.2	5.0	399.8	57.0	399.8	5.0	57.0	66.6	11.1	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0
León	2935.6	9.0	326.1	45.0	326.1	9.0	45.0	50.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0	16.6	0.0
Moroleón	1640.7	8.0	205.0	35.0	205.0	8.0	35.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
Ocampo	1316.9	7.0	188.1	40.0	188.1	7.0	40.0	47.0	35.2	5.8	0.0	5.8	0.0	5.8	0.0	0.0	0.0
Pénjamo	1187.6	6.0	197.9	30.0	207.6	2.0	31.0	50.0	30.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
Pueblo Nuevo	2434.5	8.0	304.3	46.0	304.3	8.0	46.0	42.8	35.7	7.1	7.1	0.0	0.0	0.0	7.1	0.0	0.0
Purísima Rincón	1435.0	5.0	287.0	43.0	287.0	5.0	43.0	33.3	50.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Romita	1617.5	7.0	231.0	37.0	231.0	7.0	37.0	66.6	16.6	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Salamanca	1596.5	6.0	266.0	42.0	266.0	6.0	42.0	50.0	20.0	10.0	0.0	0.0	10.0	0.0	10.0	0.0	0.0
Salvatierra	1996.6	5.0	399.3	59.0	399.3	5.0	59.0	53.8	0.0	38.4	0.0	7.6	0.0	0.0	0.0	0.0	0.0
San Diego la Unión	346.6	3.0	115.5	27.0	138.2	2.0	32.0	14.2	57.1	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
San Felipe	1309.2	7.0	187.0	40.0	274.0	1.0	59.0	64.2	7.1	0.0	7.1	0.0	14.2	7.1	0.0	0.0	0.0
San Fco del Rincón	1435.0	5.0	287.0	43.0	287.0	5.0	43.0	33.3	50.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
San José Iturbide	919.0	6.0	153.1	31.0	164.8	3.0	33.0	25.0	12.5	37.5	0.0	12.5	12.5	0.0	0.0	0.0	0.0
San Luis de la Paz	1237.9	7.0	176.8	35.0	176.8	7.0	35.0	37.5	25.0	25.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0
Santa Catarina	1131.4	8.0	141.4	26.0	204.9	3.0	38.0	44.4	22.2	11.1	11.1	0.0	0.0	0.0	11.1	0.0	0.0
Sta C. de J. Rosas	955.7	6.0	159.2	26.0	233.8	1.0	39.0	60.0	20.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
Santiago Maravatio	1843.8	5.0	368.7	57.0	368.7	5.0	57.0	50.0	16.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Silao	1617.5	7.0	231.0	37.0	231.0	7.0	37.0	66.6	16.6	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Tarandacuao	1999.2	5.0	399.8	57.0	399.8	5.0	57.0	66.6	11.1	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0
Tarimoro	2073.4	5.0	414.6	61.0	414.6	5.0	61.0	53.8	7.6	34.7	0.0	7.6	0.0	0.0	0.0	0.0	0.0
Tierra Blanca	919.0	6.0	153.1	31.0	164.8	3.0	33.0	25.0	12.5	37.5	0.0	12.5	12.5	0.0	0.0	0.0	0.0
Uriangato	1428.7	6.0	238.1	41.0	238.1	6.0	41.0	60.0	0.0	20.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
Valle de Santiago	2146.6	6.0	357.7	58.0	357.7	6.0	58.0	50.0	16.6	16.6	8.3	0.0	8.3	0.0	0.0	0.0	0.0
Victoria	2078.6	8.0	259.8	39.0	259.8	8.0	39.0	66.6	16.6	0.0	0.0	0.0	0.0	0.0	16.6	0.0	0.0
Villagrán	1845.4	6.0	307.5	51.0	307.5	6.0	51.0	50.0	16.6	25.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0
Xichú	1038.7	8.0	129.8	25.0	129.8	8.0	25.0	50.0	0.0	0.0	25.0	0.0	0.0	0.0	25.0	0.0	0.0
Yuriria	1698.4	8.0	212.3	35.0	212.3	8.0	35.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
Estatal	1339.4	5.0	267.8	45.0	267.8	5.0	45.0	43.7	25.0	18.7	0.0	12.5	0.0	0.0	0.0	0.0	0.0

Tabla C.80. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Guanajuato.

GUERRERO



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _a (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _{p min} (mm)	H _{p min}
HA12001	1174.2	1184.0	245.2	0.3	3.9	0.21	1170.0	996.0	884.0	778.0	637.0	530.0	17.9	687.5	36.0
HA12005	806.1	785.5	178.9	0.4	2.9	0.22	780.0	652.0	570.0	487.0	367.0	268.0	9.6	504.0	17.4
HA12006	860.1	869.8	140.9	-0.7	3.6	0.16	882.0	748.0	669.0	597.0	505.0	437.0	21.7	533.6	37.5
HA12007	676.0	662.0	148.3	0.2	2.8	0.22	655.0	555.0	498.0	444.0	374.0	321.0	24.8	369.0	53.6
HA12008	1179.3	1142.4	184.9	0.2	2.5	0.16	1143.0	1017.0	952.0	892.0	816.0	759.0	10.9	879.4	23.2
HA12009	1218.2	1259.8	295.6	-0.1	3.4	0.24	1225.0	991.0	838.0	686.0	481.0	320.0	13.9	647.0	23.9
HA12012	1587.2	1607.2	308.1	-0.1	2.9	0.19	1564.0	1305.0	1145.0	994.0	799.0	654.0	12.3	977.4	21.6
HA12013	1090.8	1121.6	229.9	-0.2	3.5	0.21	1098.0	888.0	805.0	731.0	637.0	568.0	15.6	684.2	31.4
HA12015	1240.6	1244.8	246.0	-0.3	4.2	0.20	1232.0	1054.0	914.0	756.0	527.0	348.0	31.0	528.2	49.9
HA12019	985.4	948.2	205.6	0.3	3.3	0.22	950.0	798.0	731.0	598.0	418.0	279.0	16.2	557.7	24.5
HA12021	738.0	698.5	266.4	3.2	16.7	0.36	708.0	554.0	447.0	337.0	165.0	0.0	3.2	490.4	7.5
HA12022	1214.2	1132.4	365.1	1.0	4.2	0.30	1057.0	886.0	777.0	544.0	185.0	0.0	8.2	667.0	14.6
HA12024	798.9	768.5	199.4	1.2	4.9	0.25	752.0	643.0	564.0	472.0	311.0	159.0	8.7	490.8	17.6
HA12030	1278.0	1152.6	454.3	1.7	6.0	0.38	1159.0	971.0	850.0	732.0	569.0	435.0	4.0	816.0	12.2
HA12032	1007.7	979.4	211.9	0.3	3.0	0.21	980.0	837.0	752.0	667.0	544.0	441.0	18.2	581.3	38.2
HA12046	1042.0	1042.0	176.4	0.3	4.3	0.17	1032.0	911.0	804.0	665.0	450.0	283.0	14.9	641.0	22.3
HA12047	1044.3	1044.0	219.8	-0.4	2.9	0.21	1052.0	856.0	762.0	676.0	568.0	487.0	38.8	507.0	84.2
HA12048	705.5	664.1	165.4	0.1	2.4	0.23	692.0	567.0	492.0	422.0	332.0	265.0	13.9	401.0	24.7
HA12049	1744.6	1775.9	356.9	0.0	3.0	0.20	1737.0	1394.0	1174.0	964.0	693.0	490.0	7.7	1129.4	11.5
HA12050	1029.1	976.4	237.6	0.5	3.4	0.23	1016.0	845.0	738.0	636.0	503.0	403.0	9.9	642.6	18.1
HA12052	900.1	840.5	224.7	1.8	8.4	0.25	815.0	701.0	608.0	469.0	204.0	0.0	3.7	621.8	9.2
HA12053	1143.6	1098.6	260.9	-0.1	2.8	0.23	1131.0	920.0	809.0	703.0	562.0	451.0	12.7	671.7	24.5
HA12054	1237.8	1190.1	383.7	1.0	4.5	0.31	1193.0	1007.0	890.0	777.0	625.0	506.0	11.4	728.5	26.8
HA12055	1018.3	938.4	258.5	0.7	5.6	0.25	999.0	884.0	809.0	617.0	357.0	163.0	18.9	510.0	29.1
HA12057	2107.3	2085.2	326.9	0.3	3.5	0.16	2094.0	1892.0	1766.0	1645.0	1487.0	1368.0	41.9	1373.2	96.9
HA12058	762.7	750.3	121.7	0.2	4.5	0.16	760.0	668.0	600.0	527.0	417.0	323.0	13.3	518.2	21.7
HA12060	987.9	995.8	200.3	0.0	2.9	0.20	976.0	828.0	741.0	659.0	554.0	475.0	24.6	553.0	50.5
HA12062	1168.8	1099.5	278.7	1.3	4.8	0.24	1092.0	974.0	897.0	813.0	675.0	532.0	8.4	804.5	21.4
HA12063	1148.5	1162.2	191.3	0.0	2.8	0.17	1150.0	1004.0	914.0	828.0	718.0	636.0	14.2	801.5	24.9
HA12067	624.7	615.4	118.5	0.1	3.2	0.19	619.0	536.0	484.0	435.0	371.0	323.0	22.0	380.6	43.9
HA12068	1181.7	1065.0	401.5	2.2	9.7	0.34	1040.0	878.0	750.0	564.0	120.0	0.0	2.6	809.6	7.4
HA12071	1254.2	1150.2	368.0	1.0	4.2	0.29	1145.0	958.0	840.0	716.0	529.0	355.0	7.6	731.8	18.4
HA12074	1179.8	1136.6	310.0	0.0	3.6	0.26	1145.0	928.0	801.0	682.0	528.0	411.0	18.1	599.5	32.6
HA12077	1090.7	1050.2	171.4	0.7	3.1	0.16	1035.0	945.0	894.0	842.0	768.0	703.0	6.1	871.8	13.5
HA12079	1697.8	1696.0	402.7	0.4	3.3	0.24	1640.0	1337.0	1175.0	1020.0	816.0	657.0	9.9	1032.2	19.0
HA12081	1146.6	1163.3	198.9	0.9	5.0	0.17	1110.0	937.0	841.0	721.0	533.0	385.0	4.3	875.0	7.9
HA12082	870.7	843.7	169.0	0.8	3.5	0.19	826.0	715.0	655.0	591.0	491.0	400.0	6.5	629.0	13.4
HA12084	1051.8	1050.8	205.8	-0.2	3.2	0.20	1035.0	834.0	706.0	583.0	426.0	308.0	11.3	605.0	17.7

Tabla C.81. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Guerrero.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima registrada	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer decil	Hp min(mm)	Hp min
	X _a (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp min(mm)	Hp min	
HA12085	809.3	830.3	157.4	-0.1	3.2	0.19	817.0	698.0	622.0	547.0	447.0	370.0	13.4	533.6	22.6
HA12087	1044.1	1048.7	170.6	-0.1	3.2	0.16	1046.0	913.0	827.0	744.0	635.0	551.0	19.4	680.4	34.2
HA12088	1682.0	1654.8	224.4	1.8	8.3	0.13	1652.0	1529.0	1447.0	1365.0	1251.0	1152.0	9.2	1346.0	23.5
HA12090	1051.6	1025.0	205.5	0.2	2.5	0.20	1023.0	880.0	798.0	723.0	626.0	554.0	9.9	729.5	18.8
HA12091	756.7	739.3	130.9	0.5	4.1	0.17	740.0	635.0	571.0	505.0	410.0	332.0	12.2	493.0	22.5
HA12093	944.4	947.0	181.6	0.2	3.4	0.19	935.0	772.0	690.0	602.0	470.0	361.0	9.7	619.4	17.6
HA12094	1382.6	1350.0	338.3	0.8	5.0	0.25	1279.0	1080.0	975.0	757.0	426.0	177.0	14.4	709.5	22.8
HA12095	1169.8	1167.8	213.2	0.0	2.7	0.18	1159.0	996.0	897.0	803.0	680.0	585.0	13.4	778.0	24.1
HA12096	1183.7	1167.7	168.2	-0.5	3.9	0.14	1171.0	1058.0	996.0	939.0	865.0	811.0	65.2	774.0	159.1
HA12098	1201.0	1165.6	222.3	0.8	3.2	0.19	1158.0	1061.0	1002.0	945.0	872.0	818.0	17.6	878.9	46.0
HA12100	999.1	942.7	230.9	0.2	4.0	0.23	942.0	828.0	752.0	646.0	462.0	315.0	28.8	476.8	46.6
HA12103	752.4	746.5	185.2	0.5	3.8	0.25	730.0	595.0	515.0	436.0	327.0	239.0	7.2	488.0	12.7
HA12106	825.6	793.5	159.1	0.2	3.3	0.19	795.0	705.0	651.0	600.0	535.0	496.0	27.5	518.2	63.3
HA12107	1626.8	1528.8	435.8	0.3	2.4	0.27	1527.0	1249.0	1105.0	972.0	798.0	686.0	10.5	944.6	23.1
HA12110	810.3	853.9	182.8	0.3	5.3	0.23	675.8	514.3	467.3	304.7	171.9	72.3	6.4	382.5	11.8
HA12111	864.1	886.9	140.2	-0.1	2.7	0.16	903.0	714.0	699.0	685.0	667.0	651.0	4.3	679.7	26.3
HA12113	894.5	875.0	165.9	0.7	4.8	0.19	852.0	738.0	639.0	515.0	341.0	211.0	9.0	578.0	14.2
HA12116	1027.1	1001.7	239.2	1.8	10.2	0.23	1061.0	974.0	902.0	830.0	729.0	640.0	30.5	656.0	68.9
HA12117	965.7	982.0	154.8	0.3	2.7	0.16	960.0	823.0	798.0	699.0	584.0	464.0	12.2	713.5	18.1
HA12118	657.8	659.8	124.5	-0.7	4.7	0.19	669.0	566.0	504.0	443.0	364.0	305.0	48.5	312.0	92.2
HA12125	858.5	859.8	187.1	0.2	3.3	0.22	859.0	700.0	590.0	477.0	320.0	194.0	11.3	490.9	18.4
HA12126	1076.0	1041.9	192.8	1.1	4.8	0.18	1037.0	939.0	876.0	815.0	732.0	665.0	12.9	771.2	32.8
HA12127	1093.0	1004.8	318.9	0.9	4.0	0.29	981.0	816.0	716.0	608.0	430.0	258.0	4.6	706.3	10.7
HA12134	816.6	777.8	179.2	0.1	2.3	0.22	780.0	664.0	600.0	541.0	465.0	408.0	15.9	496.4	34.0
HA12138	987.5	942.9	211.5	0.4	2.5	0.21	929.0	802.0	737.0	675.0	597.0	539.0	6.0	718.7	12.2
HA12139	852.1	847.9	174.2	0.2	3.9	0.20	840.0	700.0	618.0	531.0	411.0	314.0	9.9	549.5	17.3
HA12163	829.4	803.5	214.2	0.1	2.8	0.28	807.0	638.0	561.0	490.0	401.0	334.0	8.2	514.8	15.6
HA12164	845.3	828.0	122.8	0.4	2.7	0.15	820.0	736.0	703.0	674.0	634.0	603.0	8.8	682.0	18.4
HA12174	895.5	811.4	330.9	2.9	14.5	0.37	772.0	665.0	540.0	246.0	0.0	0.0	1.8	670.2	4.8
HA12176	1242.9	1229.7	211.5	0.3	4.7	0.17	1219.0	1076.0	988.0	901.0	782.0	687.0	10.5	907.7	19.0
HA12183	1069.8	1090.8	203.9	-0.1	4.4	0.19	1084.0	937.0	919.0	891.0	775.0	671.0	60.8	669.5	101.2
HA12184	596.4	548.4	184.3	0.0	4.9	0.31	557.0	521.0	504.0	485.0	451.0	400.0	280.7	219.6	547.0
HA12187	1055.5	1001.0	246.8	0.8	5.2	0.23	991.0	866.0	790.0	718.0	622.0	549.0	8.6	721.1	19.4
HA12193	830.4	815.8	194.4	0.0	2.9	0.23	815.0	656.0	582.0	515.0	430.0	368.0	8.1	547.1	14.3
HA12194	885.8	861.0	255.3	0.4	5.1	0.29	848.0	682.0	580.0	473.0	315.0	182.0	12.1	458.1	21.9
HA12195	1799.7	1772.8	465.6	0.6	3.4	0.26	1806.0	1373.0	1314.0	1258.0	1175.0	1093.0	3.6	1275.5	16.1
HA12202	1093.8	1012.0	326.5	1.4	6.6	0.30	1015.0	874.0	784.0	698.0	585.0	499.0	6.7	723.7	16.2

Tabla C.81. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Guerrero.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA12001	794.7	901.9	1009.1	1116.3	1223.6	1330.8	1438.0	1545.2	1652.4	1759.6	8.0	0.0	16.0	20.0	20.0	8.0	12.0	8.0	4.0	4.0
HA12005	575.2	646.3	717.4	788.6	859.7	930.9	1002.1	1073.2	1144.4	1215.5	11.2	8.0	11.2	19.3	17.7	6.4	12.9	6.4	0.0	6.4
HA12006	588.4	643.1	697.9	752.7	807.4	862.2	917.0	971.8	1026.5	1081.3	6.6	3.3	3.3	6.6	13.3	13.3	13.3	13.3	20.0	6.6
HA12007	428.2	487.3	546.4	605.6	664.7	723.9	783.0	842.2	901.3	960.5	5.5	2.7	8.3	19.4	16.6	11.1	8.3	13.8	5.5	8.3
HA12008	944.1	1008.8	1073.5	1138.2	1203.0	1267.7	1332.4	1397.1	1461.8	1526.5	11.1	7.4	14.8	7.4	18.5	3.7	11.1	14.8	3.7	7.4
HA12009	765.7	884.5	1003.2	1121.9	1240.7	1359.4	1478.1	1596.8	1715.6	1834.3	8.3	4.1	12.5	8.3	12.5	29.1	4.1	16.6	0.0	4.1
HA12012	1098.8	1220.2	1341.6	1463.0	1584.4	1705.7	1827.1	1948.5	2069.9	2191.3	11.4	0.0	8.5	17.1	11.4	14.2	20.0	0.0	14.2	2.8
HA12013	756.9	829.7	902.4	975.2	1047.9	1120.6	1193.4	1266.1	1338.9	1411.6	8.3	8.3	8.3	8.3	8.3	8.3	25.0	0.0	16.6	
HA12015	648.8	769.4	889.9	1010.5	1131.1	1251.7	1372.3	1492.8	1613.4	1734.0	2.3	0.0	4.7	9.5	14.2	21.4	23.8	9.5	4.7	9.5
HA12019	640.1	722.5	804.8	887.2	969.6	1052.0	1134.4	1216.7	1299.1	1381.5	5.5	5.5	11.1	19.4	11.1	13.8	19.4	2.7	2.7	8.3
HA12021	622.5	754.5	886.6	1018.6	1150.7	1282.8	1414.8	1546.9	1678.9	1811.0	43.4	17.3	30.4	4.3	0.0	0.0	0.0	0.0	0.0	4.3
HA12022	815.7	964.5	1113.2	1261.9	1410.7	1559.4	1708.1	1856.8	2005.6	2154.3	7.4	22.2	18.5	14.8	7.4	11.1	11.1	0.0	0.0	7.4
HA12024	580.5	670.2	760.0	849.7	939.4	1029.1	1118.8	1208.6	1298.3	1388.0	9.0	25.0	15.9	22.7	4.5	11.3	4.5	2.2	0.0	4.5
HA12030	1012.2	1208.5	1404.7	1600.9	1797.2	1993.4	2189.6	2385.8	2582.1	2778.3	31.9	25.5	23.4	0.0	4.2	6.3	2.1	2.1	2.1	2.1
HA12032	678.5	775.7	872.9	970.1	1067.3	1164.5	1261.7	1358.9	1456.1	1553.3	4.0	4.0	22.4	14.2	18.3	10.2	14.2	8.1	2.0	2.0
HA12046	727.5	814.0	900.5	987.0	1073.5	1160.0	1246.5	1333.0	1419.5	1506.0	4.4	4.4	11.1	15.5	31.1	15.5	6.6	4.4	2.2	4.4
HA12047	597.3	687.6	777.8	868.1	958.4	1048.7	1139.0	1229.2	1319.5	1409.8	2.5	2.5	12.8	0.0	20.5	15.3	5.1	17.9	15.3	7.6
HA12048	458.8	516.7	574.5	632.3	690.2	748.0	805.8	863.6	921.5	979.3	3.3	13.3	3.3	13.3	20.0	6.6	10.0	3.3	10.0	16.6
HA12049	1254.0	1378.5	1503.1	1627.6	1752.2	1876.8	2001.3	2125.9	2250.4	2375.0	13.6	4.5	9.0	9.0	9.0	22.7	9.0	9.0	0.0	13.6
HA12060	738.9	835.3	931.6	1028.0	1124.3	1220.6	1317.0	1413.3	1509.7	1606.0	10.3	10.3	17.2	13.7	17.2	13.7	0.0	10.3	3.4	3.4
HA12062	735.8	849.8	963.8	1077.8	1191.9	1305.9	1419.9	1533.9	1647.9	1761.9	25.0	27.7	11.1	22.2	5.5	5.5	0.0	0.0	0.0	2.7
HA12063	772.3	873.0	973.6	1074.2	1174.9	1275.5	1376.1	1476.7	1577.4	1678.0	7.1	14.2	3.5	14.2	14.2	7.1	17.8	14.2	3.5	3.5
HA12054	868.9	1009.3	1149.7	1290.1	1430.5	1570.8	1711.2	1851.6	1992.0	2132.4	10.5	26.3	10.5	10.5	21.0	5.2	5.2	0.0	0.0	10.5
HA12055	633.6	757.1	880.7	1004.2	1127.8	1251.4	1374.9	1498.5	1622.0	1745.6	4.3	4.3	13.0	30.4	21.7	13.0	8.6	0.0	0.0	4.3
HA12057	1518.0	1662.8	1807.6	1952.4	2097.2	2241.9	2386.7	2531.5	2676.3	2821.1	2.7	2.7	13.5	10.8	21.6	21.6	8.1	8.1	5.4	5.4
HA12058	571.5	624.8	678.2	731.5	784.8	838.1	891.4	944.8	998.1	1051.4	9.0	0.0	13.6	22.7	13.6	18.1	13.6	4.5	0.0	4.5
HA12060	635.3	717.6	799.9	882.2	964.5	1046.8	1129.1	1211.4	1293.7	1376.0	2.6	5.2	10.5	15.7	7.8	21.0	10.5	10.5	10.5	5.2
HA12062	916.5	1028.5	1140.5	1252.5	1364.5	1476.5	1588.5	1700.5	1812.5	1924.5	13.5	16.2	35.1	8.1	5.4	5.4	8.1	0.0	0.0	8.1
HA12063	870.2	938.8	1007.5	1076.1	1144.8	1213.4	1282.1	1350.7	1419.4	1488.0	10.3	6.8	10.3	3.4	17.2	17.2	13.7	3.4	6.8	10.3
HA12067	428.8	477.0	525.2	573.4	621.7	669.9	718.1	766.3	814.5	862.7	6.6	3.3	13.3	6.6	23.3	13.3	13.3	6.6	3.3	10.0
HA12068	991.5	1173.3	1355.2	1537.0	1718.9	1900.8	2082.6	2264.5	2446.3	2628.2	42.3	26.9	7.6	7.6	7.6	3.8	0.0	0.0	0.0	3.8
HA12071	886.8	1041.9	1197.0	1352.0	1507.1	1662.1	1817.2	1972.2	2127.3	2282.3	6.6	26.6	23.3	13.3	6.6	10.0	3.3	6.6	0.0	3.3
HA12074	718.8	838.1	957.4	1076.7	1196.0	1315.3	1434.6	1553.9	1673.2	1792.5	11.1	0.0	11.1	11.1	27.7	5.5	5.5	16.6	5.5	5.5
HA12077	929.5	987.2	1044.9	1102.6	1160.3	1217.9	1275.6	1333.3	1391.0	1448.7	25.9	7.4	14.8	11.1	7.4	7.4	11.1	3.7	0.0	11.1
HA12079	1177.4	1322.6	1467.8	1613.0	1758.2	1903.3	2048.5	2193.7	2338.9	2484.1	5.8	11.7	17.6	11.7	11.7	11.7	11.7	5.8	0.0	11.7
HA12081	957.8	1040.7	1123.5	1206.3	1289.2	1372.0	1454.8	1537.6	1620.5	1703.3	26.0	4.3	13.0	26.0	8.6	13.0	4.3	0.0	0.0	4.3
HA12082	692.9	756.8	820.7	884.6	948.5	1012.4	1076.3	1140.2	1204.1	1268.0	13.6	18.1	13.6	9.0	18.1	4.5	9.0	9.0	0.0	4.5
HA12084	683.7	762.3	840.9	919.6	998.2	1076.9	1155.6	1234.2	1312.9	1391.5	6.6	3.3	6.6	3.3	20.0	13.3	20.0	10.0	3.3	13.3

Tabla C.82. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Guerrero.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA12085	589.9	646.2	702.4	758.7	815.0	871.3	927.6	983.8	1040.1	1096.4	11.1	11.1	0.0	11.1	11.1	22.2	11.1	5.5	11.1	5.5
HA12087	747.8	815.2	882.5	949.9	1017.3	1084.7	1152.1	1219.4	1286.8	1354.2	3.5	10.7	3.5	10.7	7.1	28.5	14.2	7.1	3.5	10.7
HA12088	1456.7	1567.4	1678.1	1788.8	1899.6	2010.3	2121.0	2231.7	2342.4	2453.1	7.1	21.4	28.5	25.0	7.1	0.0	3.5	3.5	0.0	3.5
HA12090	800.1	870.7	941.3	1011.9	1082.5	1153.0	1223.6	1294.2	1364.8	1435.4	8.0	16.0	12.0	8.0	16.0	8.0	4.0	8.0	16.0	4.0
HA12091	551.7	610.4	669.1	727.8	786.5	845.2	903.9	962.6	1021.3	1080.0	3.3	10.0	10.0	16.6	16.6	20.0	16.6	0.0	0.0	6.6
HA12093	693.9	768.3	842.8	917.2	991.7	1066.1	1140.6	1215.0	1289.5	1363.9	7.6	7.6	19.2	11.5	7.6	26.9	7.6	3.8	3.8	3.8
HA12094	874.2	1038.9	1203.6	1368.3	1533.0	1697.7	1862.4	2027.1	2191.8	2356.5	3.5	3.5	35.7	7.1	21.4	14.2	10.7	0.0	0.0	3.5
HA12095	857.0	936.1	1015.1	1094.2	1173.2	1252.2	1331.3	1410.3	1489.4	1568.4	10.0	3.3	13.3	13.3	13.3	16.6	3.3	10.0	10.0	6.6
HA12096	844.3	914.6	984.9	1055.2	1125.6	1195.9	1266.2	1336.5	1406.8	1477.1	6.6	0.0	3.3	6.6	16.6	26.6	6.6	10.0	13.3	10.0
HA12098	955.5	1032.0	1108.6	1185.2	1261.8	1338.3	1414.9	1491.5	1568.0	1644.6	13.6	9.0	18.1	18.1	13.6	4.5	0.0	4.5	13.6	4.5
HA12100	576.0	675.2	774.5	873.7	972.9	1072.1	1171.3	1270.6	1369.8	1469.0	4.3	0.0	8.6	17.3	21.7	13.0	13.0	8.6	4.3	8.6
HA12103	553.4	618.9	684.3	749.7	815.1	880.6	946.0	1011.4	1076.9	1142.3	20.0	6.6	13.3	13.3	6.6	20.0	0.0	13.3	0.0	6.6
HA12106	577.1	636.0	694.9	753.8	812.7	871.5	930.4	989.3	1048.2	1107.1	5.5	0.0	11.1	16.6	22.2	11.1	5.5	0.0	16.6	11.1
HA12107	1096.6	1248.5	1400.5	1552.5	1704.5	1856.4	2008.4	2160.4	2312.3	2464.3	10.7	17.3	7.1	21.4	0.0	7.1	10.7	10.7	7.1	7.1
HA12110	475.0	567.5	660.1	752.6	845.1	937.6	1030.1	1122.7	1215.2	1307.7	3.7	0.0	11.1	22.2	7.4	44.4	3.7	0.0	3.7	3.7
HA12111	718.6	757.4	796.3	835.1	874.0	912.8	951.7	990.5	1029.4	1068.2	27.2	9.0	0.0	9.0	0.0	9.0	0.0	27.2	9.0	9.0
HA12113	655.9	733.7	811.6	889.4	967.3	1045.1	1123.0	1200.8	1278.7	1356.5	3.7	11.1	18.5	18.5	18.5	18.5	0.0	7.4	0.0	3.7
HA12116	784.9	913.8	1042.7	1171.6	1300.5	1429.4	1558.3	1687.2	1816.1	1945.0	13.3	16.6	33.3	16.6	16.6	0.0	0.0	0.0	0.0	3.3
HA12117	772.9	832.3	891.6	951.0	1010.4	1069.8	1129.2	1188.5	1247.9	1307.3	6.6	23.3	10.0	6.6	13.3	13.3	10.0	10.0	3.3	3.3
HA12118	367.0	421.9	476.9	531.8	586.8	641.7	696.7	751.6	806.6	861.5	3.8	0.0	3.8	3.8	11.5	19.2	11.5	26.9	7.6	11.5
HA12125	570.7	650.5	730.3	810.1	889.8	969.6	1049.4	1129.2	1209.0	1288.8	3.3	13.3	10.0	13.3	16.6	13.3	16.6	6.6	3.3	3.3
HA12126	853.2	935.3	1017.3	1099.4	1181.4	1263.4	1345.5	1427.5	1509.6	1591.6	10.0	13.3	16.6	30.0	10.0	3.3	10.0	0.0	0.0	6.6
HA12127	828.9	951.5	1074.0	1196.6	1319.2	1441.8	1564.4	1686.9	1809.5	1932.1	29.1	4.1	25.0	4.1	12.5	8.3	12.5	0.0	0.0	4.1
HA12134	559.7	623.1	686.4	749.7	813.1	876.4	939.7	1003.0	1066.4	1129.7	6.6	10.0	6.6	16.6	13.3	10.0	0.0	16.6	10.0	10.0
HA12138	784.7	850.6	916.6	982.5	1048.5	1114.5	1180.4	1246.4	1312.3	1378.3	15.7	21.0	10.5	10.5	5.2	5.2	5.2	10.5	10.5	5.2
HA12139	617.3	685.1	753.0	820.8	888.6	956.4	1024.2	1092.1	1159.9	1227.7	11.7	5.8	11.7	11.7	17.6	5.8	23.5	5.8	0.0	5.8
HA12163	582.5	650.3	718.0	785.8	853.5	921.2	989.0	1056.7	1124.5	1192.2	20.0	0.0	20.0	6.6	6.6	6.6	13.3	6.6	13.3	6.6
HA12164	720.6	759.2	797.9	836.5	875.1	913.7	952.3	991.0	1029.6	1068.2	12.5	25.0	0.0	12.5	12.5	6.2	6.2	12.5	6.2	6.2
HA12174	792.6	915.0	1037.5	1159.9	1282.3	1404.7	1527.1	1649.6	1772.0	1894.4	50.0	25.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	8.3
HA12176	981.5	1055.2	1129.0	1202.8	1276.6	1350.3	1424.1	1497.9	1571.6	1645.4	9.0	9.0	18.1	0.0	27.2	9.0	9.0	9.0	0.0	9.0
HA12183	746.0	822.6	899.1	975.6	1052.2	1128.7	1205.2	1281.7	1358.3	1434.8	7.6	0.0	0.0	38.4	0.0	15.3	15.3	7.6	7.6	7.6
HA12184	291.6	363.7	435.7	507.8	579.8	651.8	723.9	795.9	868.0	940.0	7.6	0.0	0.0	15.3	38.4	0.0	7.6	23.0	0.0	7.6
HA12187	806.0	891.0	975.9	1060.9	1145.8	1230.7	1315.7	1400.6	1485.6	1570.5	18.1	0.0	27.2	27.2	0.0	0.0	18.1	0.0	0.0	9.0
HA12193	603.5	659.9	716.3	772.7	829.1	885.5	941.9	998.3	1054.7	1111.1	9.0	18.1	9.0	0.0	18.1	0.0	9.0	9.0	18.1	9.0
HA12194	551.3	644.5	737.8	831.0	924.2	1017.4	1110.6	1203.9	1297.1	1390.3	9.0	0.0	18.1	18.1	18.1	9.0	9.0	9.0	0.0	9.0
HA12195	1406.2	1536.9	1667.6	1798.3	1929.0	2059.6	2190.3	2321.0	2451.7	2582.4	36.3	9.0	0.0	9.0	9.0	9.0	0.0	9.0	0.0	18.1
HA12202	834.3	945.0	1055.6	1166.3	1276.9	1387.5	1498.2	1608.8	1719.5	1830.1	18.1	18.1	18.1	27.2	0.0	0.0	0.0	9.0	0.0	9.0

Tabla C.82. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Guerrero.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	fluvia disponible			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	Hp disp S(mm)	Hp disp S(mm)		
HA12001	4.5	3.2	2.3	1.4	471.6	307.2	205.0	17.0	969.1	5.9	MUY SEVERA	
HA12005	4.1	1.1	2.2	0.9	294.2	165.1	133.7	16.0	672.4	4.2	MUY SEVERA	
HA12006	3.5	1.1	1.7	0.9	208.1	229.8	122.4	14.0	737.6	5.5	SEVERA	
HA12007	3.2	0.8	2.2	1.4	240.2	161.5	109.1	16.0	566.9	4.4	MUY SEVERA	
HA12008	3.5	1.0	1.8	1.2	264.6	158.3	147.0	12.0	1032.8	4.3	SEVERA	
HA12009	4.0	1.4	1.8	1.0	460.6	410.1	255.8	20.0	962.3	5.7	SEVERA	
HA12012	4.5	2.4	2.4	2.3	608.8	688.0	253.6	15.0	1333.6	4.5	MUY SEVERA	
HA12013	5.5	0.5	2.0	0.8	384.7	265.1	192.3	17.0	898.5	4.6	MUY SEVERA	
HA12015	4.3	1.4	2.1	1.3	376.8	388.4	179.4	14.0	1061.2	4.8	MUY SEVERA	
HA12019	4.2	2.3	2.3	1.1	368.1	272.3	160.0	16.0	795.4	5.2	MUY SEVERA	
HA12021	3.5	1.1	1.8	1.1	261.5	230.1	145.2	19.0	592.7	3.9	SEVERA	
HA12022	3.4	1.3	2.0	1.1	488.1	403.8	244.0	20.0	970.2	2.6	MUY SEVERA	
HA12024	5.0	2.8	2.8	2.3	362.5	276.3	129.4	16.0	669.5	3.9	MUY SEVERA	
HA12030	4.3	2.2	2.6	1.2	689.7	431.1	265.2	20.0	1012.8	4.0	MUY SEVERA	
HA12032	4.5	2.5	2.4	2.2	386.8	537.2	161.1	15.0	846.5	4.6	MUY SEVERA	
HA12046	4.7	1.9	2.3	1.3	277.3	228.0	120.5	11.0	921.5	4.6	MUY SEVERA	
HA12047	4.5	2.5	2.3	2.4	392.7	485.4	170.7	16.0	873.6	4.5	MUY SEVERA	
HA12048	4.5	1.8	2.2	1.5	299.1	213.9	135.9	19.0	569.5	4.9	MUY SEVERA	
HA12049	3.7	1.7	1.9	0.8	617.8	305.1	325.1	18.0	1419.5	4.6	SEVERA	
HA12050	2.6	0.9	1.6	1.2	306.2	250.9	191.3	18.0	837.8	5.2	SEVERA	
HA12052	4.7	1.4	2.7	1.1	377.9	133.0	139.9	15.0	760.2	3.0	MUY SEVERA	
HA12053	3.8	1.0	2.1	1.1	431.4	337.5	205.4	17.0	938.2	4.5	MUY SEVERA	
HA12054	3.2	1.0	2.2	1.4	551.6	635.5	250.7	20.0	987.0	5.6	MUY SEVERA	
HA12055	3.7	1.9	2.3	1.7	447.9	424.3	194.7	19.0	823.6	9.3	MUY SEVERA	
HA12057	4.1	1.8	2.7	2.2	669.8	708.5	248.0	11.0	1859.3	6.0	MUY SEVERA	
HA12058	3.3	1.9	1.8	1.8	171.2	255.0	95.1	12.0	657.5	5.6	SEVERA	
HA12060	4.3	1.7	2.5	2.0	433.5	325.6	173.3	17.0	814.5	5.6	MUY SEVERA	
HA12062	3.5	1.5	2.6	2.0	428.5	343.5	164.8	14.0	1004.0	3.9	MUY SEVERA	
HA12063	5.0	1.2	2.3	0.9	364.2	195.0	158.3	13.0	990.2	5.5	MUY SEVERA	
HA12067	3.4	0.9	2.0	0.8	172.1	127.8	86.0	13.0	538.6	4.8	MUY SEVERA	
HA12068	4.4	1.7	2.9	1.8	614.4	438.9	211.8	17.0	969.9	2.9	MUY SEVERA	
HA12071	3.8	1.3	2.3	1.2	546.1	349.0	237.4	18.0	1016.7	3.6	MUY SEVERA	
HA12074	3.2	0.7	1.8	0.8	359.8	386.7	199.8	16.0	979.7	3.9	SEVERA	
HA12077	4.2	1.1	2.6	1.3	320.3	193.1	123.1	11.0	967.6	3.8	MUY SEVERA	
HA12079	7.5	0.5	3.0	2.8	921.9	658.8	307.2	18.0	1390.6	4.1	EXTREMADAMENTE SEVERA	
HA12081	5.0	1.2	1.9	0.6	347.2	161.8	182.7	15.0	963.9	4.1	SEVERA	
HA12082	4.0	1.0	2.3	1.0	304.4	126.4	132.3	15.0	738.4	3.9	MUY SEVERA	
HA12084	3.8	1.2	1.8	0.9	304.5	253.2	169.1	16.0	882.6	3.9	SEVERA	

Tabla C.83. Características de la sequía promedio de cada estación climatológica del estado de Guerrero.

Estación	Características promedio de la sequía meteorológica									Tr(años)	Tipo de			
	Periodicidad	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS	Intensidad	% de IS	Huvia disponible	para	sequía
	PerS(años)	(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c	Hp disp S(mm)	Hp disp S(mm)	Meteorológica		
HA12085	4.5	0.5	2.3	1.2	370.2	369.0	160.9	19.0	648.3	7.8	MUY SEVERA			
HA12087	3.7	1.3	1.7	1.0	229.0	237.4	134.7	12.0	909.4	5.1	SEVERA			
HA12088	5.0	2.1	2.8	1.9	344.4	216.3	123.0	7.0	1559.0	3.9	MODERADA			
HA12090	5.0	1.5	2.5	1.3	426.3	118.2	170.5	16.0	881.0	4.9	MUY SEVERA			
HA12091	4.1	1.0	2.4	1.2	219.5	142.3	91.4	12.0	665.2	3.6	MUY SEVERA			
HA12093	4.6	2.9	2.1	1.4	320.6	254.6	152.6	16.0	791.7	4.3	MUY SEVERA			
HA12094	2.7	0.7	1.2	0.6	336.7	224.3	280.5	20.0	1082.1	4.9	SEVERA			
HA12095	3.8	2.0	1.8	1.6	320.3	477.9	177.9	15.0	991.9	5.1	SEVERA			
HA12096	3.0	0.7	2.0	1.2	216.0	190.6	108.0	9.0	1075.6	4.2	MODERADA			
HA12098	4.5	3.7	3.0	3.5	376.6	400.8	125.5	10.0	1075.5	4.3	EXTRAORDINARIA			
HA12100	4.7	3.0	2.6	2.7	414.6	450.4	159.4	15.0	839.7	4.4	MUY SEVERA			
HA12103	4.0	2.1	2.0	0.7	272.8	120.8	136.3	18.0	616.1	4.2	MUY SEVERA			
HA12106	3.3	0.4	1.8	0.6	188.6	108.3	104.7	12.0	720.8	4.1	SEVERA			
HA12107	3.5	0.7	2.2	1.2	744.0	489.2	338.1	20.0	1288.7	4.2	MUY SEVERA			
HA12110	3.5	1.4	1.9	1.0	303.6	139.8	159.7	19.0	650.6	2.3	SEVERA			
HA12111	5.0	3.0	1.6	0.9	225.2	75.0	140.7	16.0	723.4	3.7	SEVERA			
HA12113	3.8	1.3	1.9	1.0	245.8	100.3	129.3	14.0	765.2	3.9	SEVERA			
HA12116	4.6	1.6	2.4	1.2	354.1	281.1	147.5	14.0	879.5	12.4	MUY SEVERA			
HA12117	4.7	2.1	2.3	1.2	329.0	176.2	143.0	14.0	822.7	5.1	MUY SEVERA			
HA12118	4.7	1.2	2.5	1.6	246.6	276.3	98.6	14.0	559.1	5.5	MUY SEVERA			
HA12125	6.6	4.1	3.5	2.0	559.7	449.7	159.9	18.0	698.5	5.1	EXTREMADAMENTE SEVERA			
HA12126	5.0	1.2	3.1	0.3	351.7	53.8	113.4	10.0	962.6	3.9	EXTRAORDINARIA			
HA12127	4.0	1.4	2.3	1.1	524.1	315.0	227.8	20.0	865.1	3.6	MUY SEVERA			
HA12134	3.8	2.3	2.4	1.6	323.3	251.4	134.7	16.0	681.9	4.2	MUY SEVERA			
HA12138	2.7	0.7	1.8	1.0	286.4	272.7	159.1	16.0	828.4	3.9	SEVERA			
HA12139	4.3	1.2	2.2	1.2	290.1	135.6	131.8	15.0	720.2	4.3	MUY SEVERA			
HA12163	3.3	0.4	2.0	1.7	341.1	401.0	170.5	20.0	658.8	4.3	MUY SEVERA			
HA12164	3.2	0.4	1.5	0.4	166.7	67.1	111.1	13.0	734.2	5.1	SEVERA			
HA12174	4.5	1.5	2.3	0.9	373.7	134.9	162.4	18.0	733.0	2.7	MUY SEVERA			
HA12176	2.3	0.4	1.5	0.8	218.5	160.7	145.6	11.0	1097.3	4.3	SEVERA			
HA12183	3.5	0.5	2.0	0.8	355.0	154.9	177.5	16.0	892.3	19.6	MUY SEVERA			
HA12184	3.0	0.8	2.0	1.2	232.1	186.6	116.0	19.0	480.3	23.7	MUY SEVERA			
HA12187	5.0	3.0	2.6	2.3	333.6	388.9	128.3	12.0	927.1	3.0	MUY SEVERA			
HA12193	4.0	0.5	3.0	0.5	453.7	113.8	151.2	18.0	679.1	4.1	EXTREMADAMENTE SEVERA			
HA12194	2.6	0.9	1.5	0.8	268.7	193.3	179.1	20.0	706.6	4.3	SEVERA			
HA12195	2.5	0.5	2.0	0.8	705.0	489.7	352.5	19.0	1447.2	2.6	MUY SEVERA			
HA12202	4.0	0.5	3.0	1.0	606.1	87.4	202.0	18.0	891.8	4.4	EXTREMADAMENTE SEVERA			

Tabla C.83. Características de la sequía promedio de cada estación climatológica del estado de Guerrero.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I^*	Intensidad	Duración / máx	% de / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años-9 años	10 años	
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I^*(mm/a\acute{o}o)$	respecto a X_c	$I_{m\acute{a}x}(mm/a\acute{o}o)$	$D / m\acute{a}x(a\acute{o}s)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
HA12001	965.8	5.0	193.1	16.0	260.7	2.0	22.0	40.0	20.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA12005	624.9	4.0	156.2	19.0	171.8	2.0	21.0	20.0	46.6	20.0	13.3	0.0	0.0	0.0	0.0	0.0	0.0
HA12006	748.6	3.0	249.5	29.0	312.5	1.0	36.0	62.5	0.0	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12007	501.5	6.0	83.5	12.0	204.2	2.0	30.0	33.3	44.4	11.1	0.0	0.0	11.1	0.0	0.0	0.0	0.0
HA12008	528.9	4.0	132.2	11.0	299.9	1.0	25.0	62.5	12.5	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12009	1096.6	4.0	274.1	22.0	548.2	1.0	45.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA12012	2067.8	8.0	258.4	16.0	382.2	2.0	24.0	57.1	14.2	14.2	0.0	0.0	0.0	0.0	14.2	0.0	0.0
HA12013	678.8	2.0	339.4	31.0	339.4	2.0	31.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12015	1377.8	3.0	459.2	37.0	459.2	3.0	37.0	50.0	10.0	30.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
HA12019	838.0	4.0	209.5	21.0	260.7	3.0	27.0	25.0	37.5	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12021	761.0	4.0	190.2	25.0	190.2	4.0	25.0	57.1	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA12022	1036.7	3.0	345.5	28.0	345.5	3.0	28.0	50.0	12.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA12024	784.0	9.0	87.1	10.0	231.2	3.0	28.0	33.3	22.2	22.2	11.1	0.0	0.0	0.0	0.0	11.1	0.0
HA12030	1756.3	6.0	292.7	22.0	447.2	2.0	34.0	9.0	45.4	36.3	0.0	0.0	9.0	0.0	0.0	0.0	0.0
HA12032	1999.1	9.0	222.1	22.0	314.5	2.0	31.0	45.4	27.2	9.0	9.0	0.0	0.0	0.0	0.0	9.0	0.0
HA12046	706.6	5.0	141.3	13.0	339.7	2.0	32.0	40.0	20.0	20.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
HA12047	1720.7	9.0	191.1	18.0	304.6	2.0	29.0	55.5	22.2	11.1	0.0	0.0	0.0	0.0	0.0	11.1	0.0
HA12048	721.9	4.0	180.4	25.0	304.4	1.0	43.0	57.1	0.0	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0
HA12049	1169.7	3.0	389.9	22.0	593.9	1.0	34.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12050	816.2	4.0	204.0	19.0	291.6	1.0	28.0	77.7	0.0	0.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0
HA12052	564.2	5.0	112.8	12.0	174.2	2.0	19.0	12.5	37.5	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0
HA12053	958.8	3.0	319.6	27.0	428.0	1.0	37.0	42.8	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA12054	1776.9	5.0	355.3	28.0	355.3	5.0	28.0	40.0	40.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA12055	1198.8	4.0	299.7	29.0	299.7	4.0	29.0	60.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA12057	2350.7	8.0	293.8	13.0	355.3	1.0	16.0	28.5	42.8	14.2	0.0	0.0	0.0	0.0	14.2	0.0	0.0
HA12058	737.8	6.0	122.9	16.0	122.9	6.0	16.0	83.3	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA12060	1121.0	7.0	160.1	16.0	264.7	2.0	26.0	42.8	28.5	0.0	14.2	0.0	0.0	14.2	0.0	0.0	0.0
HA12062	1167.2	7.0	166.7	14.0	364.3	1.0	31.0	44.4	22.2	0.0	11.1	11.1	0.0	11.1	0.0	0.0	0.0
HA12063	589.8	3.0	196.6	17.0	238.1	1.0	20.0	33.3	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12067	397.7	3.0	132.5	21.0	132.5	3.0	21.0	37.5	25.0	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12068	1490.6	6.0	248.4	21.0	281.6	1.0	23.0	33.3	16.6	0.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0
HA12071	1291.7	4.0	322.9	25.0	322.9	4.0	25.0	37.5	12.5	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12074	1157.4	3.0	385.8	32.0	385.8	3.0	32.0	50.0	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12077	632.1	4.0	158.0	14.0	197.3	1.0	18.0	33.3	16.6	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12079	1825.8	7.0	260.8	15.0	665.6	1.0	39.0	66.6	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0
HA12081	599.9	3.0	199.9	17.0	212.8	2.0	18.0	20.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12082	475.3	4.0	118.8	13.0	213.6	2.0	24.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12084	858.1	4.0	214.5	20.0	253.2	1.0	24.0	37.5	50.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.84. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Guerrero.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^m S _{máx} /D _{máx}	% de I ^r	Intensidad	Duración / máx	% de I / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S _{máx} (mm)	D _{máx} (años)	I ^m (mm/año)	respecto a X _r	I ^{máx} (mm/año)	D _{máx} (años)	respecto a X _r	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA12085	892.0	4.0	223.0	27.0	223.0	4.0	27.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA12087	698.7	3.0	232.9	22.0	271.0	1.0	25.0	62.5	12.5	12.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
HA12088	767.7	7.0	109.6	6.0	202.5	2.0	12.0	16.6	50.0	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
HA12090	648.3	5.0	129.6	12.0	322.1	1.0	30.0	20.0	40.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA12091	384.2	4.0	96.0	12.0	150.1	1.0	19.0	42.8	0.0	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0
HA12093	771.4	5.0	154.3	16.0	175.0	2.0	18.0	50.0	16.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA12094	796.1	3.0	265.3	19.0	653.1	1.0	47.0	81.8	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12095	1559.4	6.0	259.9	22.0	259.9	6.0	22.0	62.5	25.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
HA12096	563.2	3.0	187.7	15.0	409.6	1.0	34.0	44.4	33.3	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0
HA12098	1120.7	10.0	112.0	9.0	322.1	1.0	26.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
HA12100	1295.4	8.0	161.9	16.0	185.9	2.0	18.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
HA12103	401.6	3.0	133.8	17.0	179.9	2.0	23.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12106	364.8	2.0	182.4	22.0	182.4	2.0	22.0	33.3	50.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12107	1528.8	3.0	509.6	31.0	546.5	1.0	33.0	42.8	14.2	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0
HA12110	466.0	4.0	116.5	14.0	427.8	1.0	52.0	33.3	50.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA12111	330.5	3.0	110.1	12.0	184.4	1.0	21.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12113	396.1	4.0	99.0	11.0	316.5	1.0	35.0	42.8	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA12116	768.5	5.0	153.7	14.0	318.9	2.0	31.0	28.5	28.5	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA12117	703.7	5.0	140.7	14.0	252.2	1.0	26.0	16.6	66.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA12118	672.0	4.0	168.0	25.0	168.0	4.0	25.0	40.0	20.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA12125	1093.2	6.0	182.1	21.0	182.1	6.0	21.0	25.0	25.0	0.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0
HA12126	394.0	3.0	131.3	12.0	131.3	3.0	12.0	0.0	0.0	83.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA12127	866.9	3.0	288.9	26.0	319.6	2.0	29.0	33.3	16.6	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA12134	757.2	5.0	151.4	18.0	278.3	2.0	34.0	42.8	28.5	0.0	0.0	28.5	0.0	0.0	0.0	0.0	0.0
HA12138	835.2	4.0	208.8	21.0	208.8	4.0	21.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA12139	450.2	3.0	150.0	17.0	302.5	1.0	35.0	50.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12163	1032.3	5.0	206.4	24.0	206.4	5.0	24.0	75.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA12164	234.8	2.0	117.4	13.0	163.3	1.0	19.0	40.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12174	528.1	3.0	176.0	19.0	199.4	1.0	22.0	33.3	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12176	410.7	3.0	136.9	11.0	335.2	1.0	26.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12183	513.2	2.0	256.6	23.0	256.6	2.0	23.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12184	540.0	4.0	135.0	22.0	135.0	4.0	22.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12187	879.4	6.0	146.5	13.0	146.5	6.0	13.0	66.6	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0
HA12193	567.5	3.0	189.1	22.0	189.1	3.0	22.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12194	486.2	3.0	162.0	18.0	427.6	1.0	48.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12195	1166.0	3.0	388.6	21.0	461.1	2.0	25.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA12202	693.5	4.0	173.3	15.0	259.3	2.0	23.0	0.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.84. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Guerrero.

Municipio	Estadísticos de la lluvia promedio municipal				Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)		
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _o (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p mín.(mm)	H _p mín
Acapulco de Juárez	1105.2	1115.8	165.3	-0.2	3.6	0.15	1125.0	996.0	906.0	811.0	677.0	566.0	23.1	718.8	37.9
Ahuacotzingo	978.4	973.3	176.1	0.2	3.4	0.18	960.0	824.0	738.0	648.0	519.0	413.0	17.1	581.3	32.6
Ajuchitán del Progreso	1078.1	1085.9	167.7	0.5	3.1	0.16	1057.0	921.0	867.0	799.0	676.0	572.0	8.2	822.0	16.3
Alcozauca de Guerrero	804.9	779.8	170.8	0.3	2.9	0.21	781.0	668.0	595.0	520.0	410.0	318.0	12.1	504.0	23.0
Alpoyeca	731.1	748.4	126.9	0.2	2.4	0.17	736.0	602.0	576.0	545.0	477.0	409.0	8.9	534.7	23.9
Apaxtla	596.4	548.4	184.3	0.0	4.9	0.31	557.0	521.0	504.0	485.0	451.0	400.0	280.7	219.6	547.0
Arcelia	1166.0	1150.8	180.8	0.1	2.7	0.16	1145.0	1007.0	950.0	897.0	827.0	771.0	22.9	821.5	53.4
Atenango del Río	1278.0	1152.6	454.3	1.7	6.0	0.36	1159.0	971.0	850.0	732.0	569.0	436.0	4.0	816.0	12.2
Atlamajalingo del Monte	2107.3	2085.2	326.9	0.3	3.5	0.16	2094.0	1892.0	1766.0	1645.0	1487.0	1368.0	41.9	1373.2	96.9
Atlixac	989.2	981.3	201.7	0.4	3.5	0.20	990.0	820.0	706.0	595.0	446.0	330.0	11.9	581.3	21.8
Atoyac de Álvarez	1218.2	1259.8	295.6	-0.1	3.4	0.24	1225.0	991.0	838.0	686.0	481.0	320.0	13.9	647.0	23.9
Ayutla de los Libres	1592.9	1567.3	269.7	-0.1	3.0	0.17	1573.0	1379.0	1267.0	1161.0	1021.0	912.0	32.4	977.4	65.9
Azoyú	1181.7	1065.0	401.5	2.2	9.7	0.34	1040.0	878.0	750.0	564.0	120.0	0.0	2.6	809.6	7.4
Benito Juárez	1218.2	1259.8	295.6	-0.1	3.4	0.24	1225.0	991.0	838.0	686.0	481.0	320.0	13.9	647.0	23.9
Buenavista de Cuéllar	1014.1	1030.8	151.4	0.6	4.9	0.15	1003.0	883.0	787.0	669.0	481.0	327.0	11.6	680.5	18.8
Coahuayutla de José María Izazaga	820.5	780.5	154.8	2.1	10.1	0.19	793.0	709.0	651.0	588.0	485.0	378.0	4.9	634.8	12.0
Cocula	1044.3	1044.0	219.8	-0.4	2.9	0.21	1052.0	856.0	762.0	676.0	568.0	487.0	38.8	507.0	84.2
Copala	1197.1	1108.2	286.7	0.5	2.4	0.24	1086.0	944.0	873.0	805.0	709.0	628.0	10.1	773.0	27.5
Copallillo	830.4	815.8	194.4	0.0	2.9	0.23	815.0	656.0	582.0	515.0	430.0	368.0	8.1	547.1	14.3
Copanoyac	885.8	861.0	255.3	0.4	5.1	0.29	848.0	682.0	580.0	473.0	315.0	182.0	12.1	458.1	21.9
Coyuca de Benítez	798.9	768.5	199.4	1.2	4.9	0.25	752.0	643.0	564.0	472.0	311.0	159.0	8.7	490.8	17.6
Coyuca de Catalán	1000.2	1023.3	212.0	-0.2	2.8	0.21	1009.0	846.0	744.0	647.0	522.0	428.0	21.1	557.7	38.4
Cuajinicuilpan	1160.6	1054.7	374.9	2.3	11.3	0.32	1040.0	868.0	732.0	540.0	102.0	0.0	2.5	809.6	6.9
Cuicatlan	904.6	867.2	219.7	0.6	3.1	0.24	884.0	736.0	644.0	557.0	444.0	360.0	10.0	563.3	19.0
Cuautepec	1197.1	1108.2	286.7	0.5	2.4	0.24	1086.0	944.0	873.0	805.0	709.0	628.0	10.1	773.0	27.5
Cuetzala del Progreso	1044.3	1044.0	219.8	-0.4	2.9	0.21	1052.0	856.0	762.0	676.0	568.0	487.0	38.8	507.0	84.2
Cutzamala de Pinzón	980.6	985.5	189.7	0.2	2.5	0.19	1003.0	766.0	728.0	684.0	578.0	475.0	6.0	693.0	17.7
Chilapa de Álvarez	880.5	846.6	183.6	1.0	5.5	0.21	839.0	724.0	641.0	542.0	373.0	224.0	7.4	581.3	15.5
Chilpancingo de los Bravo	1164.7	1124.3	281.2	1.0	4.1	0.24	1114.0	892.0	819.0	639.0	362.0	156.0	3.6	804.8	10.9
Florencio Villarreal	1429.8	1442.3	261.4	0.2	3.2	0.18	1428.0	1218.0	1085.0	956.0	788.0	659.0	9.8	977.4	17.8
General Canuto A. Neri	1158.3	1189.4	182.4	-0.3	3.6	0.16	1170.0	1025.0	930.0	838.0	718.0	625.0	19.0	769.5	33.8
General Heliodoro Castillo	1211.8	1202.3	189.1	0.4	2.8	0.16	1192.0	1050.0	959.0	869.0	746.0	649.0	8.3	918.2	13.7
Huamantlán	904.6	867.2	219.7	0.6	3.1	0.24	884.0	736.0	644.0	557.0	444.0	360.0	10.0	563.3	19.0
Huizaco de los Figueroa	1164.1	1116.4	241.0	1.3	5.0	0.21	1053.0	959.0	876.0	703.0	437.0	238.0	6.8	818.8	13.2
Iguala de la Independencia	1044.3	1044.0	219.8	-0.4	2.9	0.21	1052.0	856.0	762.0	676.0	568.0	487.0	38.8	507.0	84.2
Igualapa	1181.7	1065.0	401.5	2.2	9.7	0.34	1040.0	878.0	750.0	564.0	120.0	0.0	2.6	809.6	7.4
Ixcateopan de Cuauhtémoc	1008.7	1017.3	148.2	-0.1	2.9	0.15	1009.0	882.0	816.0	755.0	677.0	617.0	14.7	725.0	28.4
José Azueta	1237.6	1178.7	269.2	0.5	3.9	0.22	1165.0	1015.0	918.0	806.0	616.0	446.0	14.1	745.0	27.6

Tabla C.85. Características estadísticas de la lluvia anual de cada municipio del estado de Guerrero.

Municipio	Estadísticos de la lluvia promedio municipal				Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coefficientes	2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _p (mm)	(mm)	S(mm)	g k Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp mín(mm)	Hp mín
Juan R. Escudero	1109.6	1109.9	170.5	-0.3 3.6 0.15	1108.0	982.0	907.0	836.0	743.0	672.0	40.4	688.5	85.0
Leonardo Bravo	1211.8	1202.3	189.1	0.4 2.8 0.16	1192.0	1050.0	959.0	869.0	746.0	649.0	8.3	918.2	13.7
Malinaltepec	2107.3	2085.2	326.9	0.3 3.5 0.16	2094.0	1892.0	1766.0	1645.0	1487.0	1368.0	41.9	1373.2	96.9
Mártir de Cuilapan	742.4	762.0	102.1	-0.5 3.2 0.14	756.0	664.0	605.0	549.0	476.0	422.0	16.6	524.3	27.1
Metlatónoc	806.1	785.5	178.9	0.4 2.9 0.22	780.0	652.0	570.0	487.0	367.0	268.0	9.6	504.0	17.4
Mochitlán	1033.7	1044.8	214.2	0.2 3.2 0.21	1041.0	870.0	760.0	654.0	516.0	412.0	17.0	581.3	32.4
Olinálá	987.9	995.8	200.3	0.0 2.9 0.20	976.0	828.0	741.0	659.0	554.0	475.0	24.6	553.0	50.5
Ometepec	1090.8	1121.6	229.9	-0.2 3.5 0.21	1098.0	888.0	805.0	731.0	637.0	568.0	15.6	684.2	31.4
Pedro Ascencio Alquisiras	1050.9	1027.4	175.8	0.6 2.9 0.17	1027.0	873.0	837.0	788.0	671.0	564.0	4.3	816.9	13.9
Petatlán	1371.9	1377.6	281.9	1.4 8.0 0.21	1370.0	1159.0	1014.0	868.0	655.0	460.0	6.2	976.4	12.0
Pilcaya	1146.6	1163.3	196.9	0.9 5.0 0.17	1110.0	937.0	841.0	721.0	533.0	385.0	4.3	875.0	7.9
Pungarabato	976.8	950.1	203.1	0.1 3.2 0.21	955.0	813.0	727.0	638.0	511.0	406.0	19.5	557.7	36.1
Quechullenango	1007.7	979.4	211.9	0.3 3.0 0.21	980.0	837.0	752.0	667.0	544.0	441.0	18.2	581.3	38.2
San Luis Acatlán	1486.0	1432.6	259.7	0.4 3.3 0.17	1433.0	1272.0	1187.0	1099.0	963.0	841.0	21.7	977.4	45.7
San Marcos	1207.3	1177.3	244.0	0.3 3.8 0.20	1221.0	1013.0	875.0	742.0	665.0	429.0	12.1	728.3	21.4
San Miguel Totolapan	1211.8	1202.3	189.1	0.4 2.8 0.16	1192.0	1050.0	959.0	869.0	746.0	649.0	8.3	918.2	13.7
Teco de Alarcón	1146.6	1163.3	196.9	0.9 5.0 0.17	1110.0	937.0	841.0	721.0	533.0	385.0	4.3	875.0	7.9
Teoacanapa	1489.3	1462.3	257.7	0.1 3.1 0.17	1469.0	1290.0	1189.0	1095.0	972.0	879.0	20.7	977.4	48.1
Teopan de Galeana	976.2	912.3	214.8	-0.1 3.5 0.22	916.0	829.0	748.0	614.0	429.0	290.0	21.6	510.0	33.4
Teteloapan	1096.1	1104.8	182.3	-0.4 3.6 0.17	1115.0	960.0	861.0	766.0	644.0	553.0	24.2	662.3	43.5
Tepeocacuilco de Trujano	752.7	750.3	121.7	0.2 4.5 0.16	780.0	668.0	600.0	527.0	417.0	323.0	13.3	518.2	21.7
Tetipac	1146.6	1163.3	196.9	0.9 5.0 0.17	1110.0	937.0	841.0	721.0	533.0	385.0	4.3	875.0	7.9
Tixtla de Guerrero	954.7	965.2	156.1	0.1 3.2 0.16	957.0	831.0	752.0	677.0	581.0	509.0	14.4	649.0	26.2
Tlacoachistahuaca	1090.8	1121.6	229.9	-0.2 3.5 0.21	1098.0	888.0	805.0	731.0	637.0	568.0	15.6	684.2	31.4
Tlacoapa	2107.3	2085.2	326.9	0.3 3.5 0.16	2094.0	1892.0	1766.0	1645.0	1487.0	1368.0	41.9	1373.2	96.9
Tlaxchapa	980.6	985.5	189.7	0.2 2.5 0.19	1003.0	766.0	728.0	684.0	578.0	475.0	6.0	693.0	17.7
Tlaxiactaquila de Maldonado	722.5	723.0	160.1	0.3 2.8 0.22	729.0	634.0	574.0	518.0	445.0	390.0	19.0	465.3	38.5
Tlapa de Comonfort	793.2	777.2	162.2	0.4 3.3 0.20	774.0	663.0	591.0	516.0	409.0	319.0	11.6	504.0	22.3
Tlapehuala	1014.5	984.5	198.9	0.0 3.6 0.20	993.0	860.0	775.0	686.0	558.0	451.0	27.8	557.7	50.0
Unión de Isidoro Montes de Oca, La	967.8	911.3	246.9	1.4 5.9 0.26	914.0	759.0	647.0	518.0	300.0	95.0	4.2	676.6	8.4
Xalpatláhuac	806.1	785.5	178.9	0.4 2.9 0.22	780.0	652.0	570.0	487.0	367.0	268.0	9.6	504.0	17.4
Xochihuehuatlán	904.6	867.2	219.7	0.6 3.1 0.24	884.0	736.0	644.0	557.0	444.0	360.0	10.0	563.3	19.0
Xochistahuaca	1090.8	1121.6	229.9	-0.2 3.5 0.21	1098.0	888.0	805.0	731.0	637.0	568.0	15.6	684.2	31.4
Zapotitlán Tablas	885.8	861.0	255.3	0.4 5.1 0.29	848.0	682.0	580.0	473.0	315.0	182.0	12.1	458.1	21.9
Zirándaro	761.3	767.5	142.8	0.3 3.2 0.19	751.0	644.0	576.0	509.0	413.0	335.0	13.6	486.0	25.0
Zitlala	946.6	964.2	167.6	0.6 5.6 0.18	960.0	814.0	716.0	621.0	495.0	396.0	13.2	581.3	26.8
Eduardo Neri	640.0	658.2	112.5	-0.3 3.7 0.18	646.0	558.0	502.0	449.0	380.0	327.0	26.0	380.6	49.3
Acatatepec	1626.8	1528.8	435.8	0.3 2.4 0.27	1527.0	1249.0	1105.0	972.0	798.0	666.0	10.5	944.6	23.1
Estatad	1030.4	1027.6	139.3	-0.2 3.2 0.14	1030.0	920.0	853.0	789.0	705.0	642.0	31.0	686.8	61.3

Tabla C.85. Características estadísticas de la lluvia anual de cada municipio del estado de Guerrero.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Acapulco de Juárez	791.4	864.0	936.6	1009.2	1081.8	1154.3	1226.9	1299.5	1372.1	1444.7	3.3	6.6	0.0	16.6	13.3	13.3	23.3	16.6	0.0	6.6
Ahuacutzingo	669.6	758.0	846.3	934.7	1023.0	1111.3	1199.7	1288.0	1376.4	1464.7	3.9	3.9	17.6	17.6	17.6	13.7	15.6	7.8	0.0	1.9
Ajuchitlán del Progreso	884.1	946.1	1008.2	1070.3	1132.4	1194.4	1256.5	1318.6	1380.6	1442.7	10.0	13.3	20.0	3.3	16.6	13.3	10.0	3.3	3.3	6.6
Alcozauca de Guerrero	575.2	646.3	717.4	788.6	859.7	930.9	1002.1	1073.2	1144.4	1215.5	10.9	4.6	14.0	21.8	15.6	7.8	12.5	6.2	3.1	3.1
Alpoyeca	580.7	626.8	672.8	718.9	764.9	810.9	857.0	903.0	949.1	995.1	10.0	23.3	6.6	6.6	16.6	6.6	10.0	10.0	6.6	3.3
Apaxtla	291.6	363.7	435.7	507.8	579.8	651.8	723.9	795.9	868.0	940.0	7.6	0.0	0.0	15.3	38.4	0.0	7.6	23.0	0.0	7.6
Arcelia	887.2	952.9	1018.5	1084.2	1149.9	1215.6	1281.3	1346.9	1412.6	1478.3	3.3	10.0	6.6	20.0	10.0	6.6	23.3	3.3	3.3	13.3
Atenango del Río	1012.2	1208.5	1404.7	1600.9	1797.2	1993.4	2189.6	2385.8	2582.1	2778.3	31.9	25.5	23.4	0.0	4.2	6.3	2.1	2.1	2.1	2.1
Atemajacingo del Monte	1518.0	1662.8	1807.6	1952.4	2097.2	2241.9	2386.7	2531.5	2676.3	2821.1	2.7	2.7	13.5	10.8	21.6	8.1	8.1	8.1	5.4	5.4
Atlixac	678.5	775.7	872.9	970.1	1067.3	1164.5	1261.7	1358.9	1456.1	1553.3	5.8	5.8	19.6	13.7	23.5	11.7	11.7	1.9	3.9	1.9
Atoyac de Alvarez	765.7	884.5	1003.2	1121.9	1240.7	1359.4	1478.1	1596.8	1715.6	1834.3	8.3	4.1	12.5	8.3	12.5	29.1	4.1	16.6	0.0	4.1
Ayutla de los Libres	1087.5	1197.7	1307.8	1418.0	1528.1	1638.2	1748.4	1858.5	1968.7	2078.8	2.8	2.8	8.5	11.4	11.4	22.8	11.4	8.5	8.5	11.4
Azoyú	991.5	1173.3	1355.2	1537.0	1718.9	1900.8	2082.6	2264.5	2446.3	2628.2	42.3	26.9	7.6	7.6	7.6	3.8	0.0	0.0	0.0	3.8
Benito Juárez	785.7	884.5	1003.2	1121.9	1240.7	1359.4	1478.1	1596.8	1715.6	1834.3	8.3	4.1	12.5	8.3	12.5	29.1	4.1	16.6	0.0	4.1
Buenavista de Cuéllar	763.1	845.6	928.1	1010.7	1093.3	1175.8	1258.4	1340.9	1423.5	1506.0	4.1	6.2	14.5	22.9	31.2	10.4	4.1	4.1	0.0	2.0
Coahuayutla de José María Izazaga	710.5	786.2	861.9	937.6	1013.3	1089.0	1164.7	1240.4	1316.1	1391.8	18.5	37.0	22.2	7.4	7.4	3.7	0.0	0.0	0.0	3.7
Cocula	597.3	687.6	777.8	868.1	958.4	1048.7	1139.0	1229.2	1319.5	1409.8	2.5	2.5	12.8	0.0	20.5	15.3	5.1	17.9	15.3	7.6
Copala	872.7	972.4	1072.1	1171.8	1271.5	1371.1	1470.8	1570.5	1670.2	1769.9	3.7	25.9	14.8	11.1	7.4	7.4	3.7	11.1	11.1	3.7
Copallillo	603.5	659.9	716.3	772.7	829.1	885.5	941.9	998.3	1054.7	1111.1	9.0	18.1	9.0	0.0	18.1	0.0	9.0	18.1	9.0	9.0
Copanoyac	551.3	644.5	737.8	831.0	924.2	1017.4	1110.6	1203.9	1297.1	1390.3	9.0	0.0	18.1	18.1	18.1	9.0	9.0	0.0	0.0	9.0
Coyuca de Benítez	580.5	670.2	760.0	849.7	939.4	1029.1	1118.8	1208.6	1298.3	1388.0	9.0	25.0	15.9	22.7	4.5	11.3	4.5	2.2	0.0	4.5
Coyuca de Catalán	639.8	721.9	803.9	886.0	968.1	1050.2	1132.3	1214.3	1296.4	1378.5	5.5	5.5	8.3	11.1	13.8	11.1	19.4	8.3	8.3	8.3
Cuajinicuilpa	991.5	1173.3	1355.2	1537.0	1718.9	1900.8	2082.6	2264.5	2446.3	2628.2	41.3	27.5	10.3	3.4	13.7	0.0	0.0	0.0	0.0	3.4
Cuatác	644.6	725.8	807.1	888.4	969.6	1050.9	1132.2	1213.5	1294.7	1376.0	7.8	10.5	18.4	18.4	15.7	7.8	2.6	2.6	10.5	5.2
Cuauhtēpec	872.7	972.4	1072.1	1171.8	1271.5	1371.1	1470.8	1570.5	1670.2	1769.9	3.7	25.9	14.8	11.1	7.4	7.4	3.7	11.1	11.1	3.7
Cuetzala del Progreso	597.3	687.6	777.8	868.1	958.4	1048.7	1139.0	1229.2	1319.5	1409.8	2.5	2.5	12.8	0.0	20.5	15.3	5.1	17.9	15.3	7.6
Cutzamala de Pinzón	755.7	818.3	880.9	943.6	1006.3	1068.9	1131.6	1194.2	1256.9	1319.5	12.0	16.0	4.0	12.0	8.0	16.0	8.0	12.0	0.0	12.0
Chilapa de Alvarez	678.5	775.7	872.9	970.1	1067.3	1164.5	1261.7	1358.9	1456.1	1553.3	13.7	13.7	27.4	13.7	15.6	9.8	3.9	0.0	0.0	1.9
Chilpancingo de los Bravo	916.8	1028.7	1140.7	1252.7	1364.7	1476.6	1588.6	1700.6	1812.5	1924.5	18.9	18.9	16.2	13.5	13.5	5.4	5.4	0.0	2.7	5.4
Florencio Villareal	1088.0	1198.5	1309.1	1419.6	1530.2	1640.7	1751.3	1861.8	1972.4	2082.9	8.5	11.4	11.4	11.4	22.8	14.2	8.5	8.5	0.0	2.8
General Canuto A. Neri	845.6	921.7	997.7	1073.8	1149.9	1226.0	1302.1	1378.1	1454.2	1530.3	10.3	0.0	6.8	13.7	10.3	20.6	20.6	10.3	0.0	6.8
General Heliodoro Castillo	983.3	1048.3	1113.4	1178.4	1243.5	1308.6	1373.6	1438.7	1503.7	1568.8	13.3	10.0	6.6	16.6	16.6	6.6	10.0	6.6	0.0	13.3
Huamuxtlan	644.6	725.8	807.1	888.4	969.6	1050.9	1132.2	1213.5	1294.7	1376.0	7.8	10.5	18.4	18.4	15.7	7.8	2.6	2.6	10.5	5.2
Huitzoco de los Figueroa	929.3	1039.8	1150.3	1260.8	1371.3	1481.7	1592.2	1702.7	1813.2	1923.7	10.6	27.6	14.8	27.6	2.1	4.2	6.3	2.1	2.1	2.1
Iguala de la Independencia	597.3	687.6	777.8	868.1	958.4	1048.7	1139.0	1229.2	1319.5	1409.8	2.5	2.5	12.8	0.0	20.5	15.3	5.1	17.9	15.3	7.6
Igualapa	991.5	1173.3	1355.2	1537.0	1718.9	1900.8	2082.6	2264.5	2446.3	2628.2	42.3	26.9	7.6	7.6	7.6	3.8	0.0	0.0	0.0	3.8
Ixcateopan de Cuauhtémoc	781.9	838.7	895.6	952.4	1009.3	1066.2	1123.0	1179.9	1236.7	1293.6	10.0	3.3	10.0	13.3	10.0	16.6	13.3	13.3	3.3	6.6
José Azueta	859.9	986.9	1107.8	1228.7	1349.7	1470.6	1591.5	1712.4	1833.4	1954.3	7.1	7.1	21.4	21.4	7.1	10.7	17.8	3.5	0.0	3.5

Tabla C.86. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Guerrero.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Juan R. Escudero	764.6	840.6	916.7	992.7	1068.8	1144.9	1220.9	1297.0	1373.0	1449.1	3.4	0.0	10.3	6.8	13.7	27.5	6.8	20.6	6.8	3.4
Leonardo Bravo	983.3	1048.3	1113.4	1178.4	1243.5	1308.6	1373.6	1438.7	1503.7	1568.8	13.3	10.0	6.6	16.6	16.6	6.6	10.0	6.6	0.0	13.3
Malinaltepec	1518.0	1662.8	1807.6	1952.4	2097.2	2241.9	2386.7	2531.5	2676.3	2821.1	2.7	2.7	13.5	10.8	21.6	21.6	8.1	8.1	5.4	5.4
Mártir de Culiapan	563.8	603.4	642.9	682.5	722.0	761.6	801.1	840.7	880.2	919.8	6.6	6.6	3.3	10.0	10.0	13.3	16.6	20.0	6.6	6.6
Metlatónoc	575.2	646.3	717.4	788.6	859.7	930.9	1002.1	1073.2	1144.4	1215.5	11.2	8.0	11.2	19.3	17.7	6.4	12.9	6.4	0.0	6.4
Mochitlán	678.5	775.7	872.9	970.1	1067.3	1164.5	1261.7	1358.9	1456.1	1553.3	3.9	3.9	17.6	13.7	19.6	11.7	19.6	1.9	1.9	5.8
Olinálá	635.3	717.6	799.9	882.2	964.5	1046.8	1129.1	1211.4	1293.7	1376.0	2.6	5.2	10.5	15.7	7.8	21.0	10.5	10.5	10.5	5.2
Ormetepec	756.9	829.7	902.4	975.2	1047.9	1120.6	1193.4	1266.1	1338.9	1411.6	8.3	8.3	8.3	8.3	8.3	8.3	25.0	0.0	16.6	16.6
Pedro Ascencio Aguilar	881.5	946.0	1010.6	1075.2	1139.8	1204.3	1268.9	1333.5	1398.0	1462.6	16.6	23.3	6.6	10.0	10.0	13.3	6.6	6.6	3.3	3.3
Petatlán	1114.4	1252.4	1390.4	1528.4	1666.5	1804.5	1942.5	2080.5	2218.5	2356.5	17.8	17.8	21.4	17.8	17.8	3.5	0.0	0.0	0.0	3.5
Pilcaya	957.8	1040.7	1123.5	1206.3	1289.2	1372.0	1454.8	1537.6	1620.5	1703.3	26.0	4.3	13.0	26.0	8.6	13.0	4.3	0.0	0.0	4.3
Pungarabato	641.8	725.8	809.9	894.0	978.1	1062.1	1146.2	1230.3	1314.3	1398.4	5.5	5.5	8.3	13.8	22.2	11.1	11.1	11.1	5.5	5.5
Quechultenango	678.5	775.7	872.9	970.1	1067.3	1164.5	1261.7	1358.9	1456.1	1553.3	4.0	4.0	22.4	14.2	18.3	10.2	14.2	8.1	2.0	2.0
San Luis Acatlán	1087.5	1197.7	1307.8	1418.0	1528.1	1638.2	1748.4	1858.5	1968.7	2078.8	2.8	11.4	8.5	25.7	5.7	17.1	17.1	2.8	2.8	5.7
San Marcos	838.7	949.2	1059.6	1170.1	1280.5	1390.9	1501.4	1611.8	1722.3	1832.7	3.3	16.6	3.3	26.6	10.0	23.3	10.0	3.3	0.0	3.3
San Miguel Totolapan	983.3	1048.3	1113.4	1178.4	1243.5	1308.6	1373.6	1438.7	1503.7	1568.8	13.3	10.0	6.6	16.6	16.6	6.6	10.0	6.6	0.0	13.3
Taxco de Alarcón	957.8	1040.7	1123.5	1206.3	1289.2	1372.0	1454.8	1537.6	1620.5	1703.3	26.0	4.3	13.0	26.0	8.6	13.0	4.3	0.0	0.0	4.3
Tecoanapa	1089.8	1202.3	1314.7	1427.2	1539.6	1652.0	1764.5	1876.9	1989.4	2101.8	8.5	5.7	8.5	17.1	22.8	5.7	17.1	8.5	2.8	2.8
Tecpan de Galeana	598.3	686.6	775.0	863.3	951.6	1039.9	1128.2	1216.6	1304.9	1393.2	4.3	4.3	4.3	21.7	17.3	8.6	17.3	8.6	4.3	8.6
Teloloapan	740.3	818.4	896.4	974.4	1052.5	1130.5	1208.5	1286.5	1364.6	1442.6	3.3	6.6	0.0	10.0	16.6	13.3	20.0	16.6	10.0	3.3
Tepeacoahuic de Trujano	571.5	624.8	678.2	731.5	784.8	838.1	891.4	944.8	998.1	1051.4	9.0	0.0	13.6	22.7	13.6	18.1	13.6	4.5	0.0	4.5
Tetipac	957.8	1040.7	1123.5	1206.3	1289.2	1372.0	1454.8	1537.6	1620.5	1703.3	26.0	4.3	13.0	26.0	8.6	13.0	4.3	0.0	0.0	4.3
Tixtla de Guerrero	713.0	777.0	840.9	904.9	968.9	1032.9	1096.9	1160.8	1224.8	1288.8	6.6	6.6	10.0	16.6	10.0	20.0	10.0	10.0	3.3	6.6
Tlacoachistlahuaca	756.9	829.7	902.4	975.2	1047.9	1120.6	1193.4	1266.1	1338.9	1411.6	8.3	8.3	8.3	8.3	8.3	8.3	25.0	0.0	16.6	16.6
Tlacoapa	1518.0	1662.8	1807.6	1952.4	2097.2	2241.9	2386.7	2531.5	2676.3	2821.1	2.7	2.7	13.5	10.8	21.6	21.6	8.1	8.1	5.4	5.4
Tlalchapa	755.7	818.3	880.9	943.6	1006.3	1069.0	1131.6	1194.2	1256.9	1319.5	12.0	16.0	4.0	12.0	8.0	16.0	8.0	12.0	0.0	12.0
Tlalixtaquilla de Maldonado	521.8	578.4	634.9	691.5	748.0	804.5	861.1	917.6	974.2	1030.7	10.0	10.0	6.6	16.6	13.3	20.0	6.6	0.0	6.6	10.0
Tlapa de Comonfort	575.2	646.3	717.4	788.6	859.7	930.9	1002.1	1073.2	1144.4	1215.5	7.6	9.2	15.3	21.5	18.4	4.6	15.3	3.0	0.0	4.6
Tlapehuala	641.9	726.1	810.3	894.5	978.6	1062.8	1147.0	1231.2	1315.4	1399.6	5.5	0.0	2.7	16.6	22.2	16.6	11.1	11.1	5.5	8.3
Unión de Isidoro Montes de Oca, La	785.1	893.7	1002.2	1110.7	1219.3	1327.8	1436.3	1544.8	1653.4	1761.9	27.7	16.6	19.4	13.8	11.1	5.5	0.0	0.0	2.7	2.7
Xalpatláhuac	575.2	646.3	717.4	788.6	859.7	930.9	1002.1	1073.2	1144.4	1215.5	11.2	8.0	11.2	19.3	17.7	6.4	12.9	6.4	0.0	6.4
Xochihuehuatlán	644.6	726.8	807.1	888.4	969.6	1050.9	1132.2	1213.5	1294.7	1376.0	7.8	10.5	18.4	18.4	15.7	7.8	2.6	2.6	10.5	5.2
Xochistlahuaca	756.9	829.7	902.4	975.2	1047.9	1120.6	1193.4	1266.1	1338.9	1411.6	8.3	8.3	8.3	8.3	8.3	8.3	25.0	0.0	16.6	16.6
Zapotitlán Tablas	551.3	644.5	737.8	831.0	924.2	1017.4	1110.6	1203.9	1297.1	1390.3	9.0	0.0	18.1	18.1	18.1	9.0	9.0	0.0	0.0	9.0
Zirándaro	546.5	607.0	667.4	727.9	788.4	848.9	909.4	969.8	1030.3	1090.8	5.5	5.5	19.4	11.1	16.6	11.1	19.4	2.7	2.7	5.5
Zitlala	678.5	775.7	872.9	970.1	1067.3	1164.5	1261.7	1358.9	1456.1	1553.3	3.9	7.8	21.5	21.5	23.5	13.7	5.8	0.0	0.0	1.9
Eduardo Neri	428.8	477.0	525.2	573.4	621.7	669.9	718.1	766.3	814.5	862.7	6.6	0.0	10.0	10.0	10.0	23.3	20.0	6.6	6.6	6.6
Acatepec	1096.6	1248.5	1400.5	1552.5	1704.5	1856.4	2008.4	2160.4	2312.3	2464.3	10.7	17.8	7.1	21.4	0.0	7.1	10.7	10.7	7.1	7.1
Estatal	749.2	811.5	873.9	936.3	998.7	1061.0	1123.4	1185.8	1248.1	1310.5	4.3	1.4	4.3	17.3	11.5	18.8	15.9	13.0	5.7	7.2

Tabla C.86. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Guerrero.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	Huvia disponible	Hp disp S(mm)		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s	Hp disp S(mm)	Hp disp S(mm)		
Acapulco de Juárez	2.7	1.0	1.8	1.6	247.3	307.4	137.3	12.0	967.8	6.2	SEVERA	
Ahuacotzingo	6.0	4.3	2.8	2.3	399.4	453.1	142.6	14.0	835.8	4.6	MUY SEVERA	
Ajuchitlán del Progreso	3.5	1.2	2.0	1.0	289.9	229.2	144.9	13.0	933.1	4.3	MUY SEVERA	
Alcozauca de Guerrero	4.1	1.1	2.3	0.9	290.8	163.4	126.4	15.0	678.5	4.5	MUY SEVERA	
Alpoyeca	4.5	1.7	1.9	1.6	230.8	166.7	121.4	16.0	609.7	4.2	SEVERA	
Apaxtla	3.0	0.8	2.0	1.2	232.1	186.6	116.0	19.0	480.3	23.7	MUY SEVERA	
Arceles	4.1	0.8	2.1	1.1	326.0	193.2	155.2	13.0	1010.7	4.8	MUY SEVERA	
Atenango del Río	4.3	2.2	2.6	1.2	689.7	431.1	265.2	20.0	1012.8	4.0	MUY SEVERA	
Atlamajalcingo del Monte	4.1	1.8	2.7	2.2	669.8	708.5	248.0	11.0	859.3	6.0	MUY SEVERA	
Atlixac	4.5	2.2	2.3	2.1	335.8	483.6	146.0	14.0	843.2	4.3	MUY SEVERA	
Atzacotlán	4.0	1.4	1.8	1.0	460.6	410.1	255.8	20.0	962.3	5.7	SEVERA	
Atoyac de Álvarez	4.6	2.9	2.8	1.9	533.7	485.1	190.6	11.0	402.2	4.4	MUY SEVERA	
Ayutla de los Libres	4.4	1.7	2.9	1.8	614.4	438.9	211.8	17.0	969.9	2.9	MUY SEVERA	
Azoyú	4.0	1.4	1.8	1.0	460.6	410.1	255.8	20.0	962.3	5.7	SEVERA	
Benito Juárez	4.6	2.5	2.2	2.1	271.1	260.2	123.2	12.0	890.8	4.7	MUY SEVERA	
Buenavista de Cuéllar	4.6	2.5	2.2	2.1	271.1	260.2	123.2	12.0	890.8	4.7	MUY SEVERA	
Coahuayula de José María Izazaga	3.8	1.2	2.2	1.0	205.5	83.3	93.4	11.0	727.1	4.0	MUY SEVERA	
Cocula	4.5	2.5	2.3	2.4	392.7	485.4	170.7	16.0	873.6	4.5	MUY SEVERA	
Copalapa	3.4	1.1	2.0	0.8	420.1	295.1	210.0	17.0	987.0	3.4	MUY SEVERA	
Copalillo	4.0	0.5	3.0	0.5	453.7	113.8	151.2	18.0	579.1	4.1	EXTREMADAMENTE SEVERA	
Copanotzac	2.6	0.9	1.5	0.8	268.7	193.3	179.1	20.0	706.6	4.3	SEVERA	
Coyuca de Benítez	5.0	2.8	2.8	2.3	362.5	276.3	129.4	16.0	569.5	3.9	MUY SEVERA	
Coyuca de Catalán	5.0	1.9	2.4	1.1	441.5	356.3	183.9	18.0	816.3	6.1	MUY SEVERA	
Cuajinicuilpan	4.0	1.8	2.2	1.7	469.8	436.7	213.5	18.0	947.0	3.2	MUY SEVERA	
Cualác	4.5	1.8	3.8	2.1	544.9	294.4	143.3	15.0	761.2	4.2	EXTREMADAMENTE SEVERA	
Cuautepec	3.4	1.1	2.0	0.8	420.1	295.1	210.0	17.0	987.0	3.4	MUY SEVERA	
Cuetzala del Progreso	4.5	2.5	2.3	2.4	392.7	485.4	170.7	16.0	873.6	4.5	MUY SEVERA	
Cutzamala de Pinzón	3.3	0.4	1.7	1.0	284.1	238.9	167.1	17.0	813.5	3.2	SEVERA	
Chilapa de Álvarez	4.6	2.1	2.5	1.8	324.3	265.3	129.7	14.0	750.8	4.0	MUY SEVERA	
Chilpancingo de los Bravo	4.5	1.9	2.8	2.2	587.4	641.0	209.7	18.0	955.0	2.5	MUY SEVERA	
Florencio Villareal	4.3	1.8	2.1	2.0	517.7	444.0	246.5	17.0	1183.3	6.0	MUY SEVERA	
General Canuto A. Neri	4.7	1.3	2.0	1.1	342.5	226.4	171.2	14.0	987.0	6.6	MUY SEVERA	
General Heliodoro Castillo	2.5	0.7	1.8	1.9	281.5	431.5	156.3	12.0	1055.5	4.8	SEVERA	
Huamuxtlián	4.5	1.8	3.8	2.1	544.9	294.4	143.3	15.0	761.2	4.2	EXTREMADAMENTE SEVERA	
Huitzoco de los Figueroa	4.3	1.8	2.3	1.1	382.3	189.1	166.2	14.0	979.9	3.2	MUY SEVERA	
Iguala de la Independencia	4.5	2.5	2.3	2.4	392.7	485.4	170.7	16.0	873.6	4.5	MUY SEVERA	
Igualapa	4.4	1.7	2.9	1.8	614.4	438.9	211.8	17.0	969.9	2.9	MUY SEVERA	
Ixcateopan de Cuauhtémoc	4.1	0.8	2.0	1.0	260.4	158.4	130.1	12.0	878.6	5.2	MUY SEVERA	
José Azueta	3.0	1.0	1.8	1.1	340.1	308.2	188.9	15.0	1048.7	3.9	SEVERA	

Tabla C.87. Características de la sequía promedio de cada municipio del estado de Guerrero.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad		Duración		Severidad		Intensidad		% de IS lluvia disponible respecto a Xc			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	(mm/año)	Hp disp S(mm)	Hp disp S(mm)		
Juan R. Escudero	4.0	1.0	2.0	0.9	269.4	182.9	134.6	12.0	975.0	5.3	MUY SEVERA	
Leonardo Bravo	2.5	0.7	1.8	1.9	281.5	431.5	156.3	12.0	1055.5	4.8	SEVERA	
Malinaltepec	4.1	1.8	2.7	2.2	669.8	708.5	248.0	11.0	1859.3	6.0	MUY SEVERA	
Mártir de Cuicapan	3.1	1.0	1.5	0.8	137.2	167.6	91.4	12.0	656.9	5.8	SEVERA	
Metlatónoc	4.1	1.1	2.2	0.9	294.2	165.1	133.7	16.0	672.4	4.2	MUY SEVERA	
Mochitlán	4.7	2.3	2.1	2.2	393.0	611.7	187.1	18.0	846.6	5.8	MUY SEVERA	
Olinálá	4.3	1.7	2.5	2.0	433.5	325.6	173.3	17.0	814.5	5.6	MUY SEVERA	
Ometepec	5.5	0.5	2.0	0.8	384.7	265.1	192.3	17.0	898.5	4.6	MUY SEVERA	
Pedro Ascencio Alquisiras	3.9	1.2	2.4	1.2	317.0	234.3	132.0	12.0	918.9	2.6	MUY SEVERA	
Petalán	2.6	0.6	1.3	0.9	281.8	248.6	216.7	15.0	1145.2	5.1	SEVERA	
Pilcaya	5.0	1.2	1.9	0.6	347.2	161.8	182.7	15.0	968.9	4.1	SEVERA	
Pungarabato	3.7	0.9	2.2	1.1	323.1	308.9	146.8	15.0	830.0	4.4	MUY SEVERA	
Quechultenango	4.5	2.5	2.4	2.2	386.8	537.2	161.1	15.0	846.5	4.6	MUY SEVERA	
San Luis Acatlán	3.5	2.2	2.1	1.6	411.1	370.3	195.7	13.0	1290.3	4.3	MUY SEVERA	
San Marcos	4.5	1.6	2.6	1.2	479.9	288.5	184.5	15.0	1022.7	4.8	MUY SEVERA	
San Miguel Totolapan	2.5	0.7	1.8	1.9	281.5	431.5	156.3	12.0	1055.5	4.8	SEVERA	
Taxco de Alarcón	5.0	1.2	1.9	0.6	347.2	161.8	182.7	15.0	943.9	4.1	SEVERA	
Tecoanapa	4.8	2.4	2.5	1.5	514.7	433.7	205.8	13.0	1283.5	5.2	MUY SEVERA	
Tecpan de Galeana	3.6	1.7	1.9	1.1	337.8	330.0	177.7	18.0	798.5	6.9	SEVERA	
Teioloapan	5.0	1.4	2.5	1.5	365.8	238.8	146.3	13.0	949.8	5.4	MUY SEVERA	
Tepeacoahuico de Trujano	3.3	1.9	1.8	1.8	171.2	255.0	95.1	12.0	657.5	5.6	SEVERA	
Tetipac	5.0	1.2	1.9	0.6	347.2	161.8	182.7	15.0	963.9	4.1	SEVERA	
Tixtla de Guerrero	5.0	2.7	2.8	1.8	374.6	317.2	133.7	14.0	820.9	5.5	MUY SEVERA	
Tlacoachistlahuaca	5.5	0.5	2.0	0.8	384.7	265.1	192.3	17.0	898.5	4.6	MUY SEVERA	
Tlacoapa	4.1	1.8	2.7	2.2	669.8	708.5	248.0	11.0	1859.3	6.0	MUY SEVERA	
Tlalchapa	3.3	0.4	1.7	1.0	284.1	238.9	167.1	17.0	813.5	3.2	SEVERA	
Tlalixtaquilla de Maldonado	5.5	3.7	2.3	1.5	317.4	264.0	138.0	19.0	584.4	8.9	MUY SEVERA	
Tlapa de Comonfort	4.4	1.0	2.5	1.1	297.6	158.0	119.0	15.0	674.2	4.5	MUY SEVERA	
Tlapehuala	4.4	2.4	2.5	2.2	351.9	299.1	140.7	13.0	673.7	4.5	MUY SEVERA	
Unión de Isidoro Montes de Oca, La	4.7	1.3	2.5	1.1	417.5	200.3	167.0	17.0	800.7	3.8	MUY SEVERA	
Xalpatláhuac	4.1	1.1	2.2	0.9	294.2	165.1	133.7	16.0	672.4	4.2	MUY SEVERA	
Xochihuehuatlán	4.5	1.8	3.8	2.1	544.9	294.4	143.3	15.0	761.2	4.2	EXTREMADAMENTE SEVERA	
Xochistlahuaca	5.5	0.5	2.0	0.8	384.7	265.1	192.3	17.0	898.5	4.6	MUY SEVERA	
Zapotitlán Tablas	2.6	0.9	1.5	0.8	268.7	193.3	179.1	20.0	706.6	4.3	SEVERA	
Zirándaro	3.7	1.1	2.0	1.5	255.5	186.7	127.7	16.0	633.6	5.5	MUY SEVERA	
Zitlala	5.0	2.5	2.2	2.2	299.6	387.1	136.1	14.0	810.5	5.1	MUY SEVERA	
Eduardo Neri	4.5	1.2	2.1	0.8	215.2	151.9	102.4	15.0	537.6	6.4	MUY SEVERA	
Acatepec	3.5	0.7	2.2	1.2	744.0	489.2	338.1	20.0	1288.7	4.2	MUY SEVERA	
Estatad	4.5	2.2	2.3	2.0	252.8	308.9	109.9	10.0	920.4	5.0	MODERADA	

Tabla C.87. Características de la sequía promedio de cada municipio del estado de Guerrero.

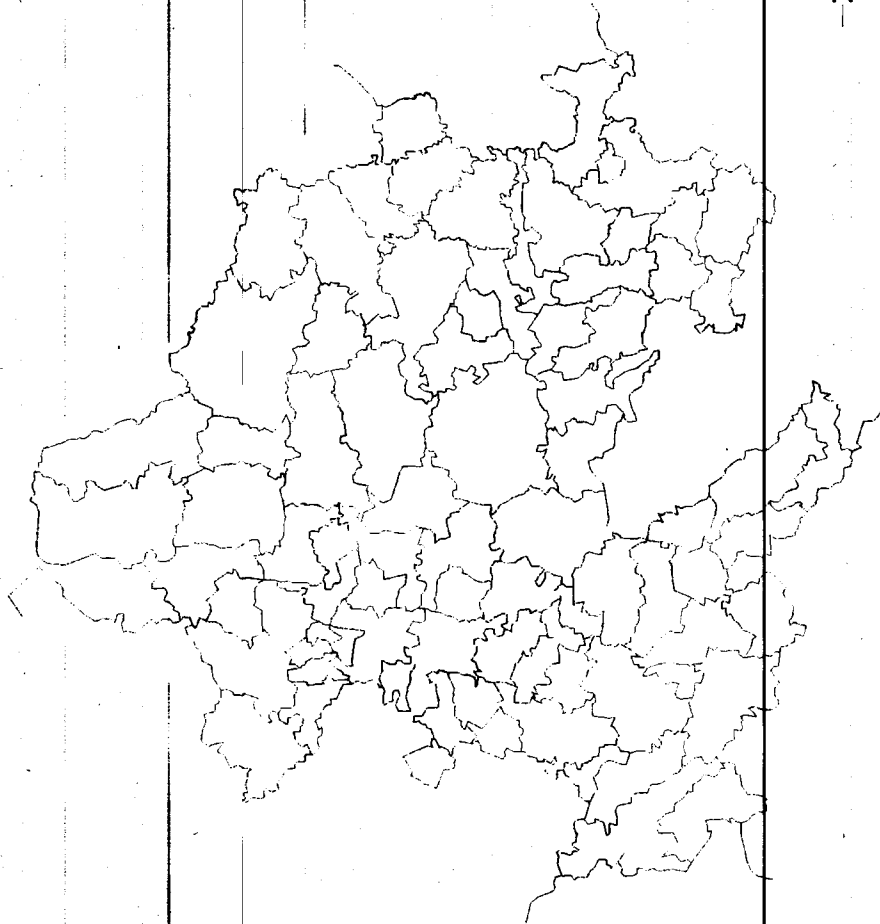
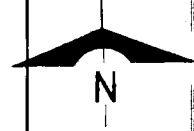
Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I'	Intensidad	Duración / máx	% de I / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I'(mm/a\acute{o})$	respecto a X_c	$I_{m\acute{a}x}(mm/a\acute{o})$	$D_{m\acute{a}x}(a\acute{o}s)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Acapulco de Juárez	1039.3	6.0	173.2	15.0	173.2	6.0	15.0	62.5	25.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Ahuacuotzingo	1604.0	8.0	200.5	20.0	285.2	2.0	29.0	33.3	33.3	11.1	0.0	0.0	11.1	0.0	11.1	0.0	0.0
Ajuchitán Progreso	778.2	4.0	194.5	18.0	194.5	4.0	18.0	42.8	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Alcozauca Guerrero	620.2	4.0	155.0	19.0	170.6	2.0	21.0	20.0	40.0	26.5	13.3	0.0	0.0	0.0	0.0	0.0	0.0
Alpoyeca	553.0	4.0	138.2	18.0	196.4	1.0	26.0	71.4	0.0	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Apaxtla	540.0	4.0	135.0	22.0	135.0	4.0	22.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Argelia	639.2	3.0	213.0	18.0	213.0	3.0	18.0	42.8	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Atenango d Rto	1756.3	6.0	292.7	22.0	447.2	2.0	34.0	9.0	45.4	36.3	0.0	0.0	9.0	0.0	0.0	0.0	0.0
Atlamajalingo M.	2350.7	8.0	293.8	13.0	355.3	1.0	16.0	28.5	42.8	14.2	0.0	0.0	0.0	0.0	14.2	0.0	0.0
Atlixac	1833.2	9.0	203.6	20.0	296.0	2.0	29.0	41.6	33.3	16.5	0.0	0.0	0.0	0.0	0.0	8.3	0.0
Atoyac de Alvarez	1096.6	4.0	274.1	22.0	548.2	1.0	45.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Ayutla de los Libres	1565.3	7.0	223.6	14.0	387.8	2.0	24.0	28.5	28.5	14.2	14.2	0.0	0.0	14.2	0.0	0.0	0.0
Azoyú	1490.6	6.0	248.4	21.0	281.6	1.0	23.0	33.3	16.6	0.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0
Benito Juárez	1096.6	4.0	274.1	22.0	548.2	1.0	45.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Buenavista Cuellar	783.5	4.0	195.8	19.0	333.5	1.0	32.0	50.0	30.0	0.0	10.0	0.0	0.0	0.0	10.0	0.0	0.0
Coahuayutla J.M.I.	337.1	4.0	84.2	10.0	162.1	1.0	19.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Cocula	1720.7	9.0	191.1	18.0	304.6	1.0	29.0	55.5	22.2	11.1	0.0	0.0	0.0	0.0	0.0	11.1	0.0
Copala	934.1	3.0	311.3	26.0	311.3	3.0	26.0	37.5	25.0	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Copalillo	567.5	3.0	189.1	22.0	189.1	3.0	22.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Copanotoyac	486.2	3.0	162.0	18.0	427.6	1.0	48.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coyuca de Benítez	784.0	9.0	87.1	10.0	231.2	3.0	28.0	33.3	22.2	22.2	11.1	0.0	0.0	0.0	0.0	11.1	0.0
Coyuca de Catalán	1017.2	4.0	254.3	25.0	305.5	3.0	30.0	28.5	28.5	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Cuajinicuilpa	1363.7	6.0	227.2	19.0	321.3	2.0	27.0	50.0	25.0	0.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0
Cuicatlan	1169.1	7.0	167.0	18.0	341.2	1.0	37.0	16.6	16.6	16.6	16.6	0.0	16.6	16.6	0.0	0.0	0.0
Cuautaptec	934.1	3.0	311.3	26.0	311.3	3.0	26.0	37.5	25.0	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cuetzala Progreso	1720.7	9.0	191.1	18.0	304.6	1.0	29.0	55.5	22.2	11.1	0.0	0.0	0.0	0.0	0.0	11.1	0.0
Cutzamala Pinzón	832.8	4.0	208.2	21.0	251.1	1.0	25.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Chilapa de Alvarez	919.1	5.0	183.8	20.0	247.7	1.0	28.0	36.3	27.2	18.1	0.0	9.0	0.0	9.0	0.0	0.0	0.0
Chilpancingo Bravo	2097.1	8.0	262.1	22.0	262.1	8.0	22.0	28.5	42.8	0.0	14.2	0.0	0.0	0.0	14.2	0.0	0.0
Florencio Villareal	1546.2	7.0	220.8	15.0	452.4	1.0	31.0	71.4	0.0	14.2	0.0	0.0	0.0	0.0	14.2	0.0	0.0
General Canuto N	709.5	3.0	236.5	20.0	313.9	1.0	27.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
General H. Castillo	1402.1	7.0	200.3	16.0	200.3	7.0	16.0	75.0	12.5	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0
Huamuxtitlán	1169.1	7.0	167.0	18.0	341.2	1.0	37.0	16.6	16.6	16.6	16.6	0.0	16.6	16.6	0.0	0.0	0.0
Huitzoco d Figueroa	789.8	5.0	157.9	13.0	309.7	2.0	26.0	27.2	27.2	36.3	0.0	9.0	0.0	0.0	0.0	0.0	0.0
Iguala Independ.	1720.7	9.0	191.1	18.0	304.6	1.0	29.0	55.5	22.2	11.1	0.0	0.0	0.0	0.0	0.0	11.1	0.0
Igualapa	1490.6	6.0	248.4	21.0	281.6	1.0	23.0	33.3	16.6	0.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0
Ixcateopan Cuauht.	523.8	3.0	174.6	17.0	283.7	1.0	28.0	42.8	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
José Azueta	966.1	4.0	241.5	19.0	241.5	4.0	19.0	55.5	22.2	0.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.88. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Guerrero.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad	Duración	$I = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I	Intensidad	Duración / máx	% de I máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años	
	S máx(mm)	D máx(años)	I (mm/año)	respecto a X_c	I máx(mm/año)	D I máx(años)	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
Juan R. Escudero	560.8	3.0	186.9	16.0	421.1	1.0	37.0	42.8	14.2	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Leonardo Bravo	1402.1	7.0	200.3	16.0	200.3	7.0	16.0	75.0	12.5	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	
Malinaltepec	2350.7	8.0	293.8	13.0	355.3	1.0	16.0	28.5	42.8	14.2	0.0	0.0	0.0	0.0	14.2	0.0	0.0	
Mártir de Cullapan	573.1	3.0	191.0	25.0	191.0	3.0	25.0	66.6	11.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Metlatónoc	624.9	4.0	156.2	19.0	171.8	2.0	21.0	20.0	46.6	20.0	13.3	0.0	0.0	0.0	0.0	0.0	0.0	
Mochitlán	2233.9	9.0	248.2	24.0	340.5	2.0	32.0	54.5	27.2	9.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	
Olinalá	1121.0	7.0	160.1	16.0	264.7	2.0	26.0	42.8	28.5	0.0	14.2	0.0	0.0	14.2	0.0	0.0	0.0	
Ormetepec	678.8	2.0	339.4	31.0	339.4	2.0	31.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Pedro Ascencio	716.3	5.0	143.2	13.0	169.4	3.0	16.0	28.5	28.5	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	
Petatlán	942.7	4.0	235.6	17.0	375.6	1.0	27.0	80.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	
Picaya	599.9	3.0	199.9	17.0	212.8	2.0	18.0	20.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Pungarabato	923.5	4.0	230.8	23.0	262.0	3.0	28.0	33.3	33.3	11.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0	
Quechultlanango	1999.1	9.0	222.1	22.0	314.5	2.0	31.0	45.4	27.2	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	
San Luis Acatlán	1251.5	6.0	208.5	14.0	291.1	1.0	19.0	55.5	22.2	0.0	11.1	0.0	11.1	0.0	0.0	0.0	0.0	
San Marcos	834.8	3.0	278.2	23.0	303.0	2.0	25.0	16.6	33.3	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	
San M Totolapan	1402.1	7.0	200.3	16.0	200.3	7.0	16.0	75.0	12.5	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	
Taxco de Alarcón	599.9	3.0	199.9	17.0	212.8	2.0	18.0	20.0	50.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Tecoaapa	1413.2	6.0	235.5	15.0	284.3	2.0	19.0	28.5	28.5	28.5	0.0	0.0	14.2	0.0	0.0	0.0	0.0	
Tecpan d Galeana	1030.3	4.0	257.5	26.0	257.5	4.0	26.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	
Teloapan	785.9	4.0	196.4	17.0	254.9	2.0	23.0	33.3	33.3	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0	
Tepecoacuilco	737.8	6.0	122.9	16.0	122.9	6.0	16.0	83.3	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0	
Tetipac	599.9	3.0	199.9	17.0	212.8	2.0	18.0	20.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Tixtla d Guerrero	684.9	5.0	177.0	18.0	177.0	5.0	18.0	40.0	20.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	
Tlacoachistlahuaca	678.8	2.0	339.4	31.0	339.4	2.0	31.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Tlacoapa	2350.7	8.0	293.8	13.0	355.3	1.0	16.0	28.5	42.8	14.2	0.0	0.0	0.0	0.0	14.2	0.0	0.0	
Tlaxchapa	832.8	4.0	208.2	21.0	251.1	1.0	25.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	
Tlaxiactquila	789.9	4.0	197.4	27.0	197.4	4.0	27.0	50.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0	
Tlaxpa de Comonfort	573.4	4.0	143.3	18.0	186.9	1.0	23.0	28.5	21.4	21.4	28.5	0.0	0.0	0.0	0.0	0.0	0.0	
Tlapehuala	959.2	3.0	319.7	31.0	319.7	3.0	31.0	50.0	12.5	25.0	0.0	0.0	0.0	0.0	12.5	0.0	0.0	
Unión de Isidoro	725.7	4.0	181.4	18.0	252.1	1.0	26.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	
Xalpatláhuac	624.9	4.0	156.2	19.0	171.8	2.0	21.0	20.0	46.6	20.0	13.3	0.0	0.0	0.0	0.0	0.0	0.0	
Xochihuehuetlán	1169.1	7.0	167.0	18.0	341.2	1.0	37.0	16.6	16.6	16.6	16.6	0.0	16.6	16.6	0.0	0.0	0.0	
Xochistlahuaca	678.8	2.0	339.4	31.0	339.4	2.0	31.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Zapotlán Tablas	486.2	3.0	162.0	18.0	427.6	1.0	48.0	75.0	0.0	25.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0	
Zirándero	709.0	6.0	118.1	15.0	187.3	2.0	24.0	50.0	37.5	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	
Zitlala	1449.8	9.0	161.1	17.0	253.4	2.0	26.0	54.5	18.1	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Eduardo Neri	384.0	3.0	128.0	19.0	128.0	3.0	19.0	33.3	16.6	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Acatepec	1528.8	3.0	509.6	31.0	546.5	1.0	33.0	42.8	14.2	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0	
Estatal	1206.0	9.0	134.0	13.0	196.6	2.0	19.0	46.6	20.0	13.3	13.3	0.0	0.0	0.0	0.0	0.0	6.6	0.0

Tabla C.88. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Guerrero.

HIDALGO



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Dev Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _a (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp mín(mm)	Hp mín
HA13002	594.0	594.0	118.7	0.0	4.1	0.20	506.6	401.7	332.2	265.5	179.2	114.6	8.2	299.0	14.1
HA13003	1708.7	1739.4	524.7	0.7	4.0	0.31	1646.0	1298.0	1064.0	820.0	465.0	164.0	8.5	923.1	15.0
HA13006	495.2	484.3	122.0	0.3	5.0	0.25	485.0	410.0	380.0	311.0	241.0	184.0	44.9	188.2	94.9
HA13007	717.2	706.9	114.5	0.0	3.2	0.18	701.0	611.0	581.0	514.0	454.0	409.0	8.1	542.2	13.1
HA13008	527.2	514.8	98.4	-0.8	5.9	0.18	524.0	481.0	421.0	381.0	326.0	282.0	102.3	232.0	211.1
HA13009	388.0	389.5	106.6	0.0	2.4	0.27	385.0	293.0	247.0	205.0	151.0	111.0	8.4	224.7	14.3
HA13010	518.3	509.6	213.8	1.3	6.4	0.41	520.0	345.0	229.0	118.0	0.0	0.0	5.0	258.5	8.5
HA13011	1266.7	1209.0	418.4	0.7	4.1	0.33	1253.0	1040.0	900.0	762.0	573.0	420.0	27.1	535.5	59.5
HA13012	427.1	426.5	155.9	0.2	2.6	0.36	420.0	314.0	249.0	188.0	109.0	49.0	22.7	115.3	46.2
HA13015	442.1	445.4	164.8	0.3	2.8	0.37	428.0	330.0	270.0	213.0	141.0	87.0	25.8	126.5	60.2
HA13016	957.3	734.4	504.1	1.5	5.5	0.53	586.3	140.6	0.0	0.0	0.0	0.0	2.1	386.9	2.9
HA13017	1297.4	1380.8	351.0	-0.5	2.8	0.27	1371.0	993.0	797.0	620.0	397.0	232.0	13.7	590.0	22.6
HA13018	422.1	408.0	108.9	-0.3	3.9	0.26	428.0	347.0	295.0	245.0	179.0	129.0	21.8	195.5	39.7
HA13019	1604.9	1620.8	357.4	-0.1	4.1	0.22	1602.0	1332.0	1168.0	1011.0	811.0	661.0	10.9	1039.0	17.6
HA13020	467.2	490.8	99.3	0.0	4.1	0.21	459.0	400.0	356.0	305.0	224.0	155.0	29.5	228.6	47.9
HA13024	843.4	653.2	120.8	-0.1	4.0	0.19	636.0	553.0	503.0	455.0	394.0	349.0	22.1	404.7	42.8
HA13025	409.7	397.0	118.7	0.3	3.4	0.29	401.0	311.0	255.0	200.0	125.0	66.0	10.5	202.7	19.2
HA13026	447.7	440.0	158.8	1.3	5.0	0.35	330.8	190.4	97.5	8.3	0.0	0.0	2.5	225.0	3.9
HA13027	646.7	654.9	97.9	0.0	3.8	0.15	641.0	584.0	549.0	516.0	474.0	442.0	28.4	464.4	61.5
HA13028	647.7	631.6	117.8	0.3	3.1	0.18	625.0	545.0	500.0	454.0	387.0	329.0	12.5	438.0	25.3
HA13029	623.3	631.0	130.1	0.0	1.9	0.21	615.0	497.0	439.0	385.0	316.0	265.0	9.1	405.2	15.3
HA13030	696.1	734.3	153.1	0.4	4.5	0.22	694.0	515.0	468.0	395.0	259.0	154.0	4.9	451.2	12.2
HA13031	543.9	544.0	126.2	0.4	3.8	0.23	554.0	470.0	414.0	359.0	285.0	227.0	16.1	324.8	30.8
HA13032	712.2	712.0	172.9	0.1	2.5	0.24	694.0	557.0	517.0	480.0	432.0	394.0	17.2	433.4	48.3
HA13033	563.7	542.0	125.6	0.1	2.8	0.23	540.0	439.0	385.0	334.0	269.0	219.0	10.9	330.6	21.1
HA13035	531.7	510.9	134.2	0.2	2.7	0.25	509.0	422.0	375.0	330.0	269.0	222.0	18.4	284.0	40.1
HA13036	591.1	572.2	78.3	0.3	2.6	0.13	576.0	520.0	509.0	498.0	483.0	469.0	6.0	493.9	25.7
HA13037	518.5	514.0	110.2	0.8	3.7	0.21	497.0	435.0	396.0	357.0	304.0	261.0	7.0	372.0	15.4
HA13038	2424.7	2481.9	600.0	-0.1	2.7	0.25	2417.0	1932.0	1655.0	1397.0	1068.0	822.0	10.5	1445.4	17.5
HA13042	1714.4	1598.0	740.0	2.0	8.0	0.43	1699.0	1237.0	1004.0	780.0	491.0	273.0	9.8	653.2	28.9
HA13043	519.7	522.5	109.9	0.6	4.8	0.21	530.0	402.0	365.0	316.0	227.0	154.0	4.9	354.0	12.0
HA13044	444.8	431.0	132.0	0.2	2.5	0.30	428.0	334.0	281.0	232.0	168.0	120.0	10.5	230.0	20.5
HA13045	499.5	481.4	106.4	0.3	3.5	0.21	483.0	418.0	381.0	345.0	298.0	265.0	22.0	299.0	50.2
HA13047	515.7	513.5	119.4	-0.8	5.8	0.23	523.0	431.0	373.0	317.0	244.0	190.0	8.2	148.4	176.0
HA13050	1194.1	1220.0	315.8	-0.5	3.1	0.26	1226.0	839.0	774.0	622.0	429.0	294.0	22.4	474.8	40.1
HA13051	683.8	576.3	294.8	1.4	5.4	0.43	573.0	463.0	382.0	279.0	52.0	0.0	4.2	376.0	10.5
HA13052	1613.0	1627.0	450.9	0.2	3.4	0.26	1644.0	1146.0	1091.0	1033.0	917.0	749.0	5.1	1006.0	26.3
HA13053	429.2	386.0	163.2	0.9	3.7	0.38	368.0	310.0	276.0	242.0	195.0	155.0	19.1	184.7	80.0

Tabla C.89. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Hidalgo.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv	Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X ₀ (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
HA13056	400.6	400.2	121.5	0.0	3.9	0.30	392.0	299.0	244.0	192.0	125.0	76.0	17.6	152.4	34.4
HA13057	2022.6	2131.1	575.1	-0.5	3.9	0.28	2081.0	1567.0	1264.0	981.0	619.0	349.0	14.9	900.4	24.5
HA13059	525.9	503.1	116.9	-0.4	4.1	0.22	439.9	336.5	268.0	202.4	117.4	53.7	6.0	277.5	9.1
HA13060	409.2	386.3	124.4	0.2	2.7	0.30	388.0	299.0	248.0	199.0	138.0	92.0	9.2	215.3	15.9
HA13061	662.8	676.5	158.4	-0.3	3.3	0.24	683.0	524.0	447.0	378.0	290.0	228.0	10.7	390.0	17.6
HA13062	536.3	496.8	118.9	0.7	3.8	0.22	489.0	438.0	409.0	378.0	327.0	274.0	10.9	363.4	27.0
HA13063	359.6	337.8	159.2	0.4	3.0	0.44	337.0	239.0	179.0	122.0	50.0	0.0	11.7	115.5	21.7
HA13065	968.9	751.0	445.2	2.1	8.9	0.46	741.0	691.0	650.0	522.0	46.0	0.0	1.6	616.5	14.0
HA13067	437.9	463.3	107.4	-0.7	4.3	0.25	453.0	370.0	315.0	262.0	190.0	134.0	9.2	228.5	30.2
HA13068	580.1	598.2	152.8	-0.3	4.8	0.26	591.0	489.0	411.0	324.0	194.0	91.0	22.2	246.0	35.0
HA13069	394.6	393.3	109.8	-0.4	4.0	0.28	389.0	316.0	272.0	231.0	179.0	139.0	27.2	174.2	53.9
HA13070	451.2	438.0	177.4	2.0	10.1	0.39	437.0	333.0	265.0	201.0	116.0	53.0	5.9	242.8	12.7
HA13071	492.1	439.9	154.3	0.9	4.3	0.31	429.0	363.0	323.0	280.0	202.0	122.0	5.3	304.8	13.7
HA13074	361.5	349.0	120.9	0.1	3.5	0.33	350.0	268.0	219.0	174.0	115.0	72.0	13.3	159.6	24.9
HA13076	517.1	459.3	204.2	0.7	3.1	0.39	464.0	334.0	317.0	298.0	237.0	136.0	2.2	308.4	14.0
HA13077	381.6	354.0	124.3	0.2	2.9	0.33	358.0	283.0	240.0	199.0	147.0	108.0	9.0	207.4	17.3
HA13078	448.8	482.4	143.2	-0.4	2.9	0.32	458.0	333.0	256.0	183.0	89.0	19.0	9.8	215.3	14.6
HA13079	409.2	429.0	99.0	-0.6	4.7	0.24	418.0	337.0	298.0	237.0	174.0	128.0	22.1	192.4	38.4
HA13080	481.5	456.5	188.7	-0.4	3.3	0.39	459.0	328.0	262.0	203.0	127.0	70.0	25.6	119.2	54.9
HA13081	362.0	361.1	82.8	0.1	2.6	0.23	355.0	289.0	253.0	219.0	177.0	145.0	8.6	235.0	14.4
HA13082	526.7	551.3	136.9	-0.5	2.8	0.26	546.0	401.0	347.0	298.0	237.0	192.0	17.0	265.7	32.4
HA13083	472.6	498.0	127.6	-0.8	3.5	0.27	522.0	303.0	262.0	252.0	240.0	226.0	5.1	244.6	35.9
HA13085	597.6	604.3	180.2	0.0	2.9	0.30	465.0	305.7	200.2	99.0	0.0	0.0	3.4	308.0	4.9
HA13087	403.8	428.7	117.4	-0.3	3.2	0.29	425.0	296.0	252.0	214.0	165.0	129.0	19.6	174.5	41.9
HA13088	342.1	324.9	105.5	-0.1	3.6	0.31	326.0	256.0	213.0	172.0	120.0	81.0	17.1	144.9	32.2
HA13090	479.6	487.8	177.8	0.5	4.5	0.37	483.0	333.0	236.0	128.0	0.0	0.0	7.8	205.5	12.3
HA13092	510.2	487.2	122.6	0.5	4.3	0.24	486.0	412.0	364.0	313.0	235.0	167.0	12.7	298.5	24.1
HA13093	458.7	481.8	101.3	-0.3	2.8	0.22	467.0	371.0	317.0	267.0	203.0	156.0	11.8	272.0	18.6
HA13094	772.9	710.7	317.1	2.0	9.8	0.41	705.0	558.0	464.0	370.0	239.0	127.0	3.1	525.7	6.3
HA13096	697.7	723.9	164.7	-0.4	3.9	0.24	705.0	567.0	487.0	413.0	318.0	247.0	19.0	358.3	33.7
HA13097	354.4	338.2	112.9	1.0	5.2	0.32	271.3	171.4	105.3	42.0	0.0	0.0	2.9	187.8	4.3
HA13098	662.2	637.5	241.0	0.1	2.4	0.36	630.0	454.0	352.0	257.0	135.0	45.0	8.8	342.7	10.7
HA13099	540.1	519.4	183.5	0.0	2.4	0.34	554.0	369.0	333.0	301.0	260.0	229.0	16.5	254.0	56.9
HA13100	795.7	782.7	220.9	0.1	3.9	0.28	785.0	615.0	511.0	412.0	281.0	182.0	13.9	379.8	25.0
HA13106	473.9	454.7	103.0	0.6	4.0	0.22	450.0	389.0	354.0	320.0	273.0	233.0	7.8	331.7	15.9
HA13110	322.1	308.7	116.2	0.8	4.5	0.36	294.0	214.0	173.0	129.0	58.0	0.0	3.9	191.9	7.2
HA13112	1555.5	1627.0	458.6	0.2	3.5	0.29	1549.0	1178.0	930.0	684.0	347.0	80.0	8.3	826.0	13.4
HA13115	812.2	796.3	201.0	0.7	4.7	0.25	807.0	691.0	616.0	542.0	441.0	359.0	15.9	482.0	34.6
HA13122	350.4	348.5	74.2	1.5	9.0	0.21	343.0	309.0	286.0	265.0	238.0	217.0	8.0	267.2	18.7

Tabla C.89. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Hidalgo.

e	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Estación	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA13002	352.1	405.2	458.3	511.4	564.5	617.6	670.7	723.8	776.9	830.0	3.7	0.0	3.7	14.8	18.5	22.2	14.8	11.1	3.7	7.4
HA13003	1119.4	1315.7	1511.9	1708.2	1904.5	2100.8	2297.1	2493.3	2689.6	2885.9	13.0	17.3	0.0	17.3	30.4	4.3	4.3	0.0	4.3	8.6
HA13006	250.0	311.8	373.6	435.4	497.3	559.1	620.9	682.7	744.5	806.3	3.5	0.0	7.1	25.0	21.4	21.4	7.1	3.5	7.1	3.5
HA13007	575.9	609.6	643.4	677.1	710.8	744.5	778.2	812.0	845.7	879.4	9.0	0.0	18.1	9.0	9.0	9.0	0.0	9.0	9.0	18.1
HA13008	280.6	329.2	377.7	426.3	474.9	523.5	572.1	620.6	669.2	717.8	3.5	0.0	0.0	3.5	21.4	28.5	14.2	10.7	10.7	7.1
HA13009	258.2	291.8	325.3	358.8	392.3	425.9	459.4	492.9	526.5	560.0	12.5	16.6	0.0	12.5	12.5	4.1	8.3	12.5	8.3	12.5
HA13010	344.1	431.8	519.4	607.1	694.7	782.3	870.0	957.6	1045.3	1132.9	15.7	21.0	21.0	21.0	5.2	5.2	0.0	0.0	0.0	5.2
HA13011	700.7	865.9	1031.1	1196.3	1361.5	1526.7	1691.9	1857.1	2022.3	2187.5	4.7	4.5	14.2	19.0	14.2	23.8	0.0	0.0	4.7	8.5
HA13012	176.8	238.2	299.7	361.1	422.6	484.0	545.4	606.9	668.4	729.8	2.2	0.0	18.1	4.5	13.6	20.4	9.0	4.5	11.3	6.8
HA13015	193.1	259.8	326.2	392.7	459.3	525.8	592.4	658.9	725.4	792.0	2.7	11.1	13.8	11.1	25.0	8.3	8.3	2.7	11.1	5.5
HA13016	565.6	744.3	923.1	1101.8	1280.5	1459.2	1637.9	1816.7	1995.4	2174.1	13.3	46.6	0.0	20.0	0.0	0.0	0.0	13.3	0.0	6.6
HA13017	714.7	839.3	963.9	1088.6	1213.3	1337.9	1462.6	1587.2	1711.9	1836.5	7.1	10.7	0.0	10.7	7.1	10.7	17.8	14.2	14.2	7.1
HA13018	238.4	281.2	324.1	366.9	409.8	452.6	495.5	538.3	581.2	624.0	9.5	0.0	4.7	14.2	23.8	4.7	28.5	0.0	4.7	9.5
HA13019	1148.9	1254.7	1362.6	1470.4	1578.3	1686.2	1794.0	1901.9	2009.7	2117.6	10.0	10.0	0.0	10.0	20.0	10.0	10.0	10.0	0.0	20.0
HA13020	272.8	317.0	361.2	405.4	449.6	493.7	537.9	582.1	626.3	670.5	4.1	0.0	4.1	16.6	12.5	29.1	12.5	0.0	16.6	4.1
HA13024	448.7	492.6	536.6	580.8	624.6	668.5	712.5	756.5	800.4	844.4	7.1	0.0	14.2	7.1	14.2	28.5	0.0	7.1	7.1	14.2
HA13025	250.8	299.0	347.1	395.3	443.4	491.5	539.7	587.8	636.0	684.1	6.8	17.2	6.8	13.7	17.2	10.3	17.2	3.4	0.0	6.8
HA13026	294.9	364.7	434.6	504.4	574.3	644.2	714.0	783.9	853.7	923.6	8.1	36.1	5.4	27.0	8.1	5.4	2.7	2.7	2.7	2.7
HA13027	499.8	535.2	570.6	606.0	641.3	676.7	712.1	747.5	782.9	818.3	5.8	11.7	0.0	17.6	11.7	23.5	5.8	5.8	5.8	11.7
HA13028	485.8	533.5	581.3	629.1	676.8	724.6	772.4	820.2	867.9	915.7	7.1	7.1	17.8	17.8	10.7	10.7	17.8	3.5	3.5	3.5
HA13029	446.3	487.3	528.4	569.5	610.6	651.6	692.7	733.8	774.8	815.9	7.1	7.1	21.4	7.1	3.5	10.7	3.5	7.1	14.2	17.8
HA13030	518.5	581.8	647.0	712.3	777.6	842.9	908.2	973.4	1038.7	1104.0	17.3	18.0	0.0	17.3	28.0	13.0	8.6	0.0	0.0	4.3
HA13031	376.3	427.8	479.3	530.8	582.3	633.8	685.3	736.8	788.3	839.8	8.6	4.6	13.0	13.0	17.3	17.3	13.0	0.0	4.3	4.3
HA13032	487.6	541.8	596.1	650.3	704.5	758.7	812.9	867.2	921.4	975.6	10.5	4.2	10.5	21.0	0.0	10.5	10.5	5.2	10.5	15.7
HA13033	378.8	427.0	475.2	523.4	571.7	619.9	668.1	716.3	764.5	812.7	10.7	3.5	14.2	14.2	14.2	14.2	3.5	14.2	7.1	3.5
HA13035	334.9	385.9	436.8	487.7	538.7	589.6	640.5	691.4	742.4	793.3	5.7	19.4	5.7	14.2	22.8	2.8	17.1	8.5	5.7	5.7
HA13036	517.1	540.4	563.6	586.8	610.1	633.3	656.5	679.7	703.0	726.2	13.3	39.3	0.0	6.6	0.0	13.3	6.6	6.6	13.3	6.6
HA13037	415.5	458.9	502.4	545.9	589.4	632.8	676.3	719.8	763.2	806.7	17.8	17.8	7.1	28.5	3.6	3.5	10.7	7.1	0.0	3.5
HA13038	1834.7	1824.0	2013.3	2202.6	2391.9	2581.1	2770.4	2959.7	3148.0	3337.3	11.7	11.7	5.8	0.0	11.7	23.5	0.0	17.6	5.8	11.7
HA13042	1009.5	1365.8	1722.0	2078.3	2434.6	2790.9	3147.2	3503.4	3859.7	4216.0	5.4	29.7	32.4	18.9	2.7	2.7	0.0	2.7	0.0	5.4
HA13043	403.0	452.0	501.0	550.0	599.0	648.0	697.0	746.0	795.0	844.0	14.2	17.8	10.7	14.2	17.8	21.4	0.0	0.0	0.0	3.5
HA13044	277.6	325.1	372.7	420.3	467.9	515.4	563.0	610.6	658.1	705.7	11.4	4.5	14.2	11.4	14.2	5.7	11.4	8.5	8.5	5.7
HA13045	340.1	381.1	422.2	463.2	504.3	545.4	586.4	627.5	668.5	709.6	5.5	0.0	16.6	16.6	16.6	16.6	0.0	11.1	11.1	5.5
HA13047	205.6	264.7	323.9	383.0	442.2	501.4	560.5	619.7	678.8	738.0	3.5	0.0	0.0	7.1	10.7	21.4	21.4	7.1	7.1	7.1
HA13050	588.3	721.8	845.3	968.8	1092.3	1215.8	1339.3	1462.8	1586.3	1709.8	3.5	3.5	10.7	10.7	0.0	21.4	14.2	14.2	17.8	3.5
HA13051	483.8	591.7	699.5	807.4	915.2	1023.0	1130.9	1238.7	1346.6	1454.4	22.2	39.3	16.6	0.0	5.5	11.1	0.0	5.5	0.0	5.5
HA13052	1144.3	1282.8	1420.9	1559.2	1697.5	1835.8	1974.1	2112.4	2250.7	2389.0	18.1	19.1	0.0	9.0	9.0	9.0	0.0	27.2	0.0	9.0
HA13053	243.9	303.1	362.3	421.5	480.7	539.9	599.1	658.3	717.5	776.7	9.0	4.5	22.7	31.8	4.5	4.5	4.5	4.5	4.5	9.0

Tabla C.90. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Hidalgo.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA13056	201.4	250.4	299.4	348.4	397.4	446.4	495.4	544.4	593.4	642.4	5.8	0.0	17.6	11.7	11.7	23.5	0.0	23.5	0.0	5.8
HA13057	1098.2	1295.9	1493.7	1691.4	1889.2	2087.0	2284.7	2482.5	2680.2	2878.0	7.6	7.6	0.0	15.3	7.6	7.6	23.0	7.6	15.3	7.6
HA13059	317.4	357.3	397.2	437.1	476.9	516.8	555.7	595.6	635.5	675.4	7.1	0.0	7.1	0.0	21.4	21.4	7.1	7.1	0.0	28.5
HA13060	253.6	291.8	330.1	368.4	406.6	444.9	483.2	521.5	559.7	598.0	12.5	5.2	12.5	6.2	18.7	12.5	0.0	0.0	12.5	18.7
HA13061	439.8	489.6	539.4	589.2	639.0	688.8	738.6	788.4	838.2	888.0	7.6	5.3	0.0	7.6	7.6	15.3	7.6	15.3	7.6	15.3
HA13062	405.9	448.3	490.8	533.2	575.7	618.2	660.6	703.1	745.5	788.0	6.2	25.0	12.5	12.5	6.2	12.5	12.5	0.0	6.2	6.2
HA13063	166.0	216.4	266.9	317.3	367.7	418.2	468.6	519.1	569.6	620.0	6.2	18.7	6.2	6.2	25.0	6.2	6.2	0.0	6.2	18.7
HA13065	787.1	957.6	1128.2	1298.7	1469.3	1639.8	1810.4	1980.9	2151.5	2322.0	58.8	5.8	11.7	5.8	5.8	5.8	0.0	0.0	0.0	5.8
HA13067	268.0	306.4	344.9	383.3	421.7	460.2	498.6	537.1	575.6	614.0	14.2	0.0	0.0	14.2	0.0	14.2	28.5	21.4	0.0	7.1
HA13068	309.6	373.1	436.7	500.2	563.8	627.4	690.9	754.5	818.0	881.6	6.2	0.0	12.5	6.2	12.5	31.2	12.5	12.5	0.0	6.2
HA13069	213.6	253.0	292.4	331.8	371.1	410.5	449.9	489.3	528.7	568.1	12.5	0.0	0.0	6.2	18.7	25.0	6.2	6.2	6.2	18.7
HA13070	316.7	390.8	464.9	539.0	613.2	687.3	761.4	835.5	909.6	983.7	13.3	26.6	20.0	20.0	13.3	0.0	0.0	0.0	0.0	6.6
HA13071	359.3	414.0	468.7	523.4	578.1	632.8	687.5	742.2	796.9	851.6	25.0	12.5	18.7	6.2	6.2	12.5	6.2	6.2	0.0	6.2
HA13074	200.4	241.1	281.9	322.6	363.4	404.2	444.9	485.7	526.4	567.2	12.5	5.2	0.0	25.0	6.2	18.7	6.2	12.5	0.0	12.5
HA13076	368.6	428.8	489.0	549.2	609.4	669.7	729.9	790.1	850.3	910.5	43.7	5.2	0.0	6.2	6.2	18.7	0.0	0.0	12.5	6.2
HA13077	246.1	284.7	323.4	362.0	400.6	439.3	477.9	516.6	555.2	593.9	18.7	0.0	12.5	25.0	6.2	6.2	0.0	12.5	12.5	6.2
HA13078	257.7	300.2	342.6	385.0	427.5	469.9	512.3	554.7	597.2	639.6	18.7	0.0	6.2	6.2	12.5	6.2	12.5	6.2	12.5	6.2
HA13079	230.2	268.0	305.8	343.6	381.5	419.3	457.1	494.9	532.7	570.5	7.1	0.0	7.1	14.2	0.0	14.2	28.5	14.2	7.1	7.1
HA13080	181.9	244.7	307.4	370.1	432.9	495.6	558.3	621.0	683.8	746.5	12.5	0.0	0.0	12.5	18.7	12.5	0.0	12.5	12.5	18.7
HA13081	260.1	285.1	310.2	335.2	360.3	385.3	410.4	435.4	460.5	485.5	12.5	5.2	12.5	12.5	6.2	12.5	6.2	6.2	6.2	18.7
HA13082	309.5	353.2	397.0	440.7	484.5	528.2	572.0	615.7	659.5	703.2	6.2	5.2	6.2	6.2	12.5	6.2	12.5	0.0	12.5	18.7
HA13083	287.7	330.8	374.0	417.1	460.2	503.3	546.4	589.6	632.7	675.8	18.7	0.0	6.2	0.0	6.2	25.0	6.2	25.0	6.2	6.2
HA13085	367.8	427.6	487.5	547.3	607.1	666.9	726.7	786.6	846.4	906.2	6.2	25.0	0.0	0.0	18.7	12.5	18.7	0.0	12.5	6.2
HA13087	215.0	255.5	296.1	336.6	377.1	417.6	458.1	498.7	539.2	579.7	6.2	5.2	12.5	6.2	12.5	0.0	18.7	18.7	0.0	18.7
HA13088	181.2	217.5	253.8	290.1	326.4	362.6	398.9	435.2	471.5	507.8	12.5	0.0	6.2	0.0	37.5	6.2	12.5	0.0	6.2	18.7
HA13090	272.3	339.0	405.8	472.5	539.3	606.0	672.8	739.5	806.3	873.0	12.5	12.5	6.2	12.5	31.2	6.2	6.2	0.0	6.2	6.2
HA13092	347.0	395.5	444.0	492.5	541.1	589.6	638.1	686.6	735.1	783.6	6.2	5.2	18.7	25.0	6.2	12.5	12.5	6.2	0.0	6.2
HA13093	304.8	337.6	370.4	403.2	436.0	468.8	501.6	534.4	567.2	600.0	6.2	5.2	12.5	12.5	6.2	0.0	18.7	6.2	12.5	18.7
HA13094	629.4	733.1	836.8	940.5	1044.2	1147.9	1251.6	1355.3	1459.0	1562.7	40.0	10.0	20.0	10.0	10.0	0.0	0.0	0.0	0.0	10.0
HA13096	418.1	478.0	537.8	597.7	657.5	717.3	777.2	837.0	896.9	956.7	6.6	5.6	0.0	13.3	13.3	6.6	20.0	13.3	6.6	13.3
HA13097	228.4	269.2	310.0	350.8	391.6	432.4	473.2	514.0	554.8	595.6	6.6	13.3	13.3	26.6	20.0	6.6	0.0	0.0	0.0	13.3
HA13098	407.9	473.2	538.4	603.7	668.9	734.1	799.4	864.6	929.9	995.1	20.0	13.3	0.0	6.6	20.0	0.0	6.6	0.0	6.6	26.6
HA13099	309.6	365.2	420.8	476.4	532.1	587.7	643.3	698.9	754.5	810.1	6.6	5.6	26.6	6.6	6.6	0.0	0.0	26.6	6.6	13.3
HA13100	463.4	546.9	630.4	714.0	797.5	881.1	964.6	1048.2	1131.8	1215.3	6.6	5.6	13.3	13.3	13.3	13.3	13.3	6.6	6.6	6.6
HA13106	366.7	401.7	436.8	471.8	506.8	541.8	576.8	611.9	646.9	681.9	7.6	23.0	15.3	7.6	7.6	15.3	7.6	0.0	7.6	7.6
HA13110	228.8	265.6	302.5	339.3	376.2	413.0	449.9	486.7	523.6	560.4	33.3	0.0	16.6	8.3	16.6	8.3	0.0	8.3	0.0	8.3
HA13112	996.8	1167.6	1338.4	1509.2	1680.0	1850.8	2021.6	2192.4	2363.2	2534.0	10.5	5.7	5.2	10.5	21.0	15.7	5.2	10.5	0.0	5.2
HA13115	565.9	649.8	733.7	817.6	901.4	985.3	1069.2	1153.1	1237.0	1320.9	9.5	4.2	9.5	19.0	23.8	9.5	4.7	0.0	4.7	4.7
HA13122	293.4	319.5	345.7	371.9	398.1	424.2	450.4	476.6	502.7	528.9	30.0	0.0	10.0	40.0	10.0	0.0	0.0	0.0	0.0	10.0

Tabla C.90. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Hidalgo.

Estación	Características promedio de la sequía meteorológica										Tr(años) para sequía Meteorológica	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS	lluvia disponible	para sequía		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s	Hp disp S(mm)	Hp disp S(mm)		
HA13002	4.0	1.2	1.8	0.6	175.1	112.0	97.2	16.0	496.7	2.2	SEVERA	
HA13003	3.0	1.4	1.3	0.9	549.6	754.2	422.7	24.0	1286.0	5.2	VASTA	
HA13006	4.1	2.2	2.5	2.0	208.9	193.8	83.5	16.0	411.7	4.9	MUY SEVERA	
HA13007	4.0	2.0	2.0	1.4	175.3	207.3	87.6	12.0	629.5	4.0	MUY SEVERA	
HA13008	3.7	1.2	2.0	1.1	125.2	95.0	62.5	11.0	464.6	4.7	MUY SEVERA	
HA13009	4.0	1.0	2.2	1.4	213.2	172.5	96.9	24.0	291.0	5.2	MUY VASTA	
HA13010	5.3	2.6	2.7	2.4	376.7	357.4	139.5	26.0	378.7	4.1	MUY VASTA	
HA13011	4.0	1.6	1.8	1.0	557.4	581.0	309.6	24.0	957.0	7.5	VASTA	
HA13012	4.8	3.0	2.4	2.2	300.8	374.9	125.3	29.0	301.7	5.7	MUY VASTA	
HA13015	3.2	1.1	1.7	1.1	228.4	229.3	134.3	30.0	307.7	6.4	VASTA	
HA13016	6.0	2.0	4.0	1.4	912.3	686.4	228.0	23.0	729.2	1.6	VASTA	
HA13017	3.8	1.5	1.7	1.0	576.5	619.3	339.1	26.0	958.2	5.6	VASTA	
HA13018	8.5	0.5	3.6	1.2	294.9	128.6	81.9	19.0	340.2	5.4	EXTREMADAMENTE SEVERA	
HA13019	6.0	0.5	2.5	1.5	696.7	662.4	278.6	17.0	1326.3	5.1	MUY SEVERA	
HA13020	7.0	3.5	3.5	2.6	216.6	160.3	61.8	13.0	405.4	4.5	EXTREMADAMENTE SEVERA	
HA13024	3.0	1.2	1.1	0.3	129.6	114.9	117.8	18.0	525.6	7.2	SEVERA	
HA13025	6.2	2.8	3.0	1.2	269.5	182.7	89.8	21.0	319.8	4.5	EXTREMADAMENTE VASTA	
HA13026	4.8	1.5	3.0	2.2	309.0	334.8	103.0	23.0	344.6	1.9	EXTREMADAMENTE VASTA	
HA13027	3.0	0.8	1.3	0.4	104.8	104.2	80.6	12.0	566.1	7.0	SEVERA	
HA13028	5.2	2.7	2.6	1.5	226.2	212.3	87.0	13.0	560.6	4.0	MUY SEVERA	
HA13029	4.7	1.7	2.3	1.1	268.8	151.1	116.8	18.0	506.5	4.5	MUY SEVERA	
HA13030	5.2	3.9	2.1	1.9	267.0	188.8	127.1	18.0	568.9	2.9	MUY SEVERA	
HA13031	3.8	1.1	1.8	1.0	186.3	141.9	103.5	19.0	440.4	7.2	SEVERA	
HA13032	6.5	1.5	3.3	1.6	469.6	366.8	142.3	19.0	569.9	4.1	EXTREMADAMENTE SEVERA	
HA13033	5.0	1.4	2.6	1.2	242.1	105.2	93.1	16.0	460.6	3.9	MUY SEVERA	
HA13035	4.4	0.7	2.5	1.2	240.6	153.2	96.2	18.0	435.4	4.2	MUY SEVERA	
HA13036	4.5	0.5	2.6	1.2	172.4	53.8	66.3	11.0	524.8	3.9	MUY SEVERA	
HA13037	3.7	1.4	2.2	1.0	146.2	77.4	66.4	12.0	452.0	3.8	MUY SEVERA	
HA13038	3.7	1.9	1.5	0.4	820.3	496.3	546.8	22.0	1877.9	5.7	VASTA	
HA13042	6.0	2.7	3.4	3.1	1274.7	1488.6	374.9	21.0	1339.5	3.8	EXTREMADAMENTE VASTA	
HA13043	4.9	2.0	1.9	1.0	201.2	143.5	105.8	20.0	413.8	4.1	SEVERA	
HA13044	3.8	1.5	2.1	1.3	210.8	189.7	100.3	22.0	344.5	4.4	MUY VASTA	
HA13045	5.0	2.1	2.5	1.1	187.1	133.9	74.8	14.0	424.6	4.5	MUY SEVERA	
HA13047	3.8	1.8	1.7	0.9	155.9	143.5	91.7	17.0	424.0	5.4	SEVERA	
HA13050	3.6	1.3	1.8	1.1	500.0	471.3	277.7	23.0	916.4	5.5	VASTA	
HA13051	4.6	2.4	3.2	1.9	509.7	178.2	159.2	23.0	524.6	2.9	EXTREMADAMENTE VASTA	
HA13052	3.3	0.4	1.2	0.4	517.7	259.0	431.4	26.0	1181.6	3.5	VASTA	
HA13053	5.2	1.9	3.0	2.0	283.7	215.9	94.5	22.0	334.7	3.2	EXTREMADAMENTE VASTA	

Tabla C.91. Características de la sequía promedio de cada estación climatológica del estado de Hidalgo.

Estación	Características promedio de la sequía meteorológica										Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Períodicidad PerS(años)	DesvStd (años)	Duración DS(años)	DesvStd (años)	SS(mm)	DesvStd (mm)	Severidad IS(mm/año)	DesvStd respecto a X _s	% de IS lluvia disponible	Hp disp S(mm)		
HA13056	3.2	1.0	1.8	1.1	161.5	120.7	89.7	22.0	310.8	4.3	VASTA	
HA13057	3.3	1.2	1.5	0.5	746.8	323.0	497.8	24.0	1524.8	5.5	VASTA	
HA13059	4.0	0.8	2.0	0.7	161.7	107.8	80.8	15.0	445.1	1.9	MUY SEVERA	
HA13060	2.5	0.5	1.8	1.1	165.8	116.2	92.1	22.0	317.0	4.0	VASTA	
HA13061	2.6	0.4	1.5	0.8	208.7	141.5	139.1	20.0	523.7	5.0	SEVERA	
HA13062	3.3	1.2	2.2	1.0	197.5	69.8	89.7	16.0	446.5	4.1	MUY SEVERA	
HA13063	4.0	1.0	3.0	1.4	332.1	159.8	110.6	30.0	248.9	4.5	EXTREMADAMENTE VASTA	
HA13065	5.0	0.0	4.0	2.4	906.2	508.0	226.5	23.0	742.4	2.0	EXTREMADAMENTE VASTA	
HA13067	3.0	0.8	1.2	0.4	143.7	105.8	119.7	27.0	318.2	9.7	VASTA	
HA13068	3.3	1.2	1.5	0.5	220.2	140.4	146.8	25.0	433.2	8.3	VASTA	
HA13069	3.0	1.2	1.5	0.4	130.4	143.0	86.9	22.0	307.6	5.7	VASTA	
HA13070	4.0	0.8	2.2	1.2	218.5	75.7	99.3	22.0	351.8	4.2	MUY VASTA	
HA13071	2.6	0.4	2.2	1.0	251.9	147.9	114.5	23.0	377.6	3.9	MUY VASTA	
HA13074	3.6	0.9	2.0	1.2	188.7	141.5	94.3	26.0	267.2	5.0	MUY VASTA	
HA13076	4.0	1.0	3.0	1.4	460.9	246.5	153.6	29.0	363.4	2.3	EXTREMADAMENTE VASTA	
HA13077	4.0	1.0	3.3	0.9	269.7	51.1	81.7	21.0	299.8	3.9	EXTREMADAMENTE VASTA	
HA13078	4.5	0.5	2.6	0.9	316.3	145.2	121.6	27.0	325.1	5.3	MUY VASTA	
HA13079	4.0	1.0	1.6	0.4	173.4	116.5	108.3	26.0	300.9	8.1	VASTA	
HA13080	5.0	0.0	3.0	0.8	415.8	203.9	138.6	28.0	342.8	4.3	EXTREMADAMENTE VASTA	
HA13081	3.0	0.8	2.0	1.0	141.5	103.5	70.7	19.0	291.2	4.8	MUY SEVERA	
HA13082	5.0	0.0	4.0	3.0	474.3	374.6	118.5	22.0	408.2	4.6	MUY SEVERA	
HA13083	3.3	1.2	1.5	0.5	199.8	142.9	133.1	28.0	339.4	4.7	VASTA	
HA13085	2.9	0.8	2.0	0.7	294.2	171.7	147.1	24.0	450.4	2.2	MUY VASTA	
HA13087	2.6	0.4	1.7	0.8	194.6	115.1	114.4	28.0	289.3	5.5	VASTA	
HA13088	4.0	0.8	2.2	0.4	162.5	126.7	73.8	21.0	268.3	4.2	MUY VASTA	
HA13090	5.0	0.0	2.3	1.2	340.4	154.2	148.0	30.0	331.6	5.0	MUY VASTA	
HA13092	3.3	1.2	2.2	1.0	191.5	165.2	87.0	17.0	423.1	4.3	MUY SEVERA	
HA13093	2.6	0.4	1.7	0.8	173.4	115.4	102.0	22.0	356.6	5.9	VASTA	
HA13094	8.0	0.5	3.5	2.5	543.5	458.3	155.2	20.0	617.6	3.3	EXTREMADAMENTE SEVERA	
HA13096	4.0	1.0	2.3	1.2	329.1	151.3	143.0	20.0	554.7	5.5	MUY SEVERA	
HA13097	4.0	0.8	2.2	0.8	154.6	105.7	70.2	19.0	284.1	1.8	MUY SEVERA	
HA13098	4.0	1.0	3.0	0.8	510.9	230.3	170.3	25.0	491.8	3.9	EXTREMADAMENTE VASTA	
HA13099	3.6	0.9	2.0	1.2	307.5	188.2	153.7	28.0	386.4	3.8	MUY VASTA	
HA13100	3.6	0.9	2.0	1.2	319.2	245.2	159.6	20.0	636.0	4.4	MUY SEVERA	
HA13106	2.3	0.4	2.0	1.2	132.6	82.8	66.3	13.0	407.6	3.6	MUY SEVERA	
HA13110	3.5	0.5	2.0	0.5	180.9	37.5	90.4	28.0	231.7	3.7	MUY VASTA	
HA13112	3.3	0.8	1.3	0.7	576.7	400.6	443.6	28.0	1111.6	6.0	VASTA	
HA13115	3.7	1.1	1.8	1.0	256.2	171.5	142.3	17.0	669.8	6.1	SEVERA	
HA13122	3.0	0.5	3.0	1.0	116.2	36.1	38.7	11.0	311.7	4.6	EXTREMADAMENTE SEVERA	

Tabla C.91. Características de la sequía promedio de cada estación climatológica del estado de Hidalgo.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I'	Intensidad	Duración $I_{máx}$	% de $I_{máx}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I'(mm/año)$	respecto a X_0	$I_{máx}(mm/año)$	$D_{I_{máx}}(años)$	respecto a X_0	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA13002	369.4	2.0	184.7	31.0	184.7	2.0	31.0	28.5	57.1	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13003	2478.9	4.0	619.7	36.0	619.7	4.0	36.0	87.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA13006	543.3	7.0	77.6	15.0	198.1	2.0	40.0	33.3	50.0	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0
HA13007	467.7	4.0	116.9	16.0	116.9	4.0	16.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA13008	295.1	1.0	295.1	55.0	295.1	1.0	55.0	50.0	12.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA13009	523.1	5.0	104.6	26.0	134.7	2.0	34.0	40.0	40.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA13010	963.6	7.0	137.6	26.0	213.3	1.0	41.0	50.0	25.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0
HA13011	1814.2	4.0	453.5	35.0	491.6	1.0	38.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA13012	1157.5	8.0	144.6	33.0	207.4	1.0	48.0	55.5	11.1	11.1	11.1	0.0	0.0	0.0	11.1	0.0	0.0
HA13015	612.9	4.0	153.2	34.0	265.1	2.0	59.0	70.0	10.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13016	1849.0	6.0	308.1	32.0	308.1	6.0	32.0	0.0	0.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0
HA13017	1995.1	4.0	498.7	38.0	498.7	4.0	38.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA13018	406.3	4.0	101.5	24.0	101.5	4.0	24.0	0.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0
HA13019	1359.2	4.0	339.8	21.0	339.8	4.0	21.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13020	491.0	8.0	61.3	13.0	131.5	1.0	28.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0
HA13024	353.9	2.0	176.9	27.0	176.9	2.0	27.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13025	530.3	4.0	132.5	32.0	132.5	4.0	32.0	20.0	20.0	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13026	1103.2	8.0	137.9	30.0	171.8	2.0	38.0	28.5	28.5	14.2	14.2	0.0	0.0	0.0	14.2	0.0	0.0
HA13027	329.2	2.0	164.6	25.0	164.6	2.0	25.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13028	680.2	6.0	113.3	17.0	114.1	2.0	17.0	16.6	50.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA13029	517.3	4.0	129.3	20.0	158.8	1.0	25.0	33.3	16.6	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA13030	564.3	6.0	94.0	13.0	244.8	1.0	35.0	60.0	20.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA13031	384.5	2.0	192.2	35.0	192.2	2.0	35.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA13032	965.2	5.0	193.0	27.0	193.0	5.0	27.0	33.3	0.0	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0
HA13033	436.7	3.0	145.5	26.0	203.7	1.0	36.0	16.6	33.3	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA13035	527.6	4.0	131.9	24.0	148.1	2.0	27.0	25.0	37.5	0.0	37.5	0.0	0.0	0.0	0.0	0.0	0.0
HA13036	220.9	3.0	73.6	12.0	97.2	1.0	16.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA13037	271.2	2.0	135.6	26.0	135.6	2.0	26.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13038	1739.0	2.0	869.5	35.0	869.5	2.0	35.0	40.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13042	4630.5	9.0	514.5	30.0	606.4	1.0	35.0	57.1	0.0	0.0	14.2	0.0	0.0	14.2	0.0	14.2	0.0
HA13043	437.7	4.0	109.4	21.0	152.4	2.0	29.0	33.3	50.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA13044	632.0	5.0	126.4	28.0	211.6	2.0	47.0	44.4	33.3	0.0	11.1	11.1	0.0	0.0	0.0	0.0	0.0
HA13045	384.2	4.0	96.0	19.0	96.0	4.0	19.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13047	460.1	2.0	230.0	44.0	230.0	2.0	44.0	50.0	37.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA13050	1488.7	4.0	372.1	31.0	593.2	1.0	49.0	57.1	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA13051	701.8	4.0	175.4	25.0	302.6	1.0	44.0	25.0	25.0	0.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0
HA13052	846.0	2.0	423.0	26.0	607.0	1.0	37.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13053	669.6	6.0	111.6	26.0	227.2	1.0	52.0	40.0	20.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0

Tabla C.92. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Hidalgo.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	P ^o S _{máx} /D _{máx}	% de P ^o	Intensidad	Duración / máx	% de I / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	P ^o (mm/año)	respecto a X _e	I máx(mm/año)	D I máx(años)	respecto a X _e	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA13056	306.6	4.0	76.6	19.0	150.4	2.0	37.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13057	1122.2	1.0	1122.2	55.0	1122.2	1.0	55.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13059	300.4	2.0	150.2	28.0	150.2	2.0	28.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13060	314.9	2.0	157.4	38.0	160.8	1.0	39.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13061	410.1	3.0	136.7	20.0	272.8	1.0	41.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13062	288.7	4.0	72.1	13.0	120.1	2.0	22.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13063	553.3	4.0	138.3	38.0	181.0	1.0	50.0	33.3	0.0	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0
HA13065	1544.3	7.0	220.6	22.0	301.1	1.0	31.0	33.3	0.0	0.0	33.3	0.0	0.0	33.3	0.0	0.0	0.0
HA13067	293.3	2.0	146.6	33.0	185.8	1.0	42.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13068	361.0	2.0	180.5	31.0	180.5	2.0	31.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13069	409.4	2.0	204.7	51.0	204.7	2.0	51.0	40.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13070	339.7	4.0	84.9	18.0	208.6	1.0	46.0	50.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13071	491.5	4.0	122.8	24.0	122.8	4.0	24.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13074	370.8	2.0	185.4	51.0	185.4	2.0	51.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13076	771.0	4.0	192.7	37.0	192.7	4.0	37.0	33.3	0.0	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0
HA13077	310.4	4.0	77.5	20.0	98.8	2.0	25.0	0.0	33.3	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0
HA13078	456.8	2.0	228.4	51.0	228.4	2.0	51.0	0.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA13079	308.3	2.0	154.1	37.0	154.1	2.0	37.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13080	676.9	2.0	338.4	70.0	338.4	2.0	70.0	0.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA13081	297.6	3.0	99.2	27.0	99.2	3.0	27.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13082	848.9	7.0	121.2	23.0	121.2	7.0	23.0	50.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0
HA13083	427.5	2.0	213.7	45.0	213.7	2.0	45.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13085	481.8	2.0	240.9	40.0	240.9	2.0	40.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13087	380.4	2.0	190.2	47.0	190.2	2.0	47.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13088	365.9	2.0	182.9	53.0	182.9	2.0	53.0	0.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13090	541.2	2.0	270.6	56.0	270.6	2.0	56.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA13092	438.9	4.0	109.7	21.0	122.3	2.0	23.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13093	331.3	2.0	165.6	36.0	165.6	2.0	36.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13094	1001.8	6.0	166.9	21.0	166.9	6.0	21.0	50.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0
HA13096	445.9	4.0	111.4	15.0	212.9	2.0	30.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA13097	330.7	3.0	110.2	31.0	110.2	3.0	31.0	25.0	25.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13098	835.5	4.0	208.8	31.0	208.8	4.0	31.0	0.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA13099	615.1	4.0	153.7	28.0	159.7	1.0	29.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13100	647.3	4.0	161.8	20.0	223.8	2.0	28.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13106	266.2	4.0	66.5	14.0	105.2	1.0	22.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13110	228.4	2.0	114.2	35.0	114.2	2.0	35.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13112	1323.4	3.0	441.1	28.0	729.4	1.0	46.0	83.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA13115	515.4	2.0	257.7	31.0	257.7	2.0	31.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA13122	152.3	2.0	76.1	21.0	76.1	2.0	21.0	0.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.92. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Hidalgo.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X_p (mm)	(mm)	S(mm)	g	k	Cv	H_p (mm)	H_p (mm)	H_p (mm)	H_p (mm)	H_p (mm)	H_p (mm)	decil	H_p min(mm)	H_p min
Acatlán	586.7	584.9	107.3	0.0	4.1	0.18	576.0	499.0	450.0	403.0	340.0	291.0	14.4	387.0	25.2
Acaxochitlán	600.7	597.3	216.7	1.4	7.1	0.36	594.0	485.0	412.0	335.0	220.0	113.0	10.7	317.0	23.4
Actopan	1555.5	1627.0	468.6	0.2	3.5	0.29	1549.0	1178.0	930.0	684.0	347.0	80.0	8.3	826.0	13.4
Agua Blanca de Iturbide	553.2	595.3	129.6	-0.2	3.2	0.23	568.0	423.0	382.0	345.0	295.0	252.0	14.1	317.0	33.6
Ajacuba	445.5	413.1	98.9	0.6	3.2	0.22	414.0	374.0	350.0	327.0	298.0	277.0	20.2	292.0	61.0
Alfajayucan	427.2	422.0	124.0	1.1	5.5	0.29	397.0	314.0	249.0	144.0	5.0	0.0	7.4	225.0	11.8
Almoleya	558.1	565.3	109.6	-0.2	2.6	0.20	557.0	464.0	412.0	364.0	304.0	258.0	15.6	342.8	27.6
Apan	601.3	599.8	105.1	0.3	2.8	0.17	597.0	516.0	466.0	419.0	358.0	313.0	9.2	433.9	16.0
Arenal, El	409.2	386.3	124.4	0.2	2.7	0.30	388.0	299.0	248.0	199.0	138.0	92.0	9.2	215.3	15.9
Atlatlaquía	492.6	495.9	113.4	0.4	3.2	0.23	488.0	403.0	349.0	295.0	224.0	168.0	12.0	284.0	23.2
Atlapexco	1723.1	1740.4	506.6	0.5	3.3	0.29	1698.0	1318.0	1064.0	812.0	464.0	183.0	8.6	923.1	14.7
Atotonilco el Grande	577.5	571.5	108.3	0.0	3.4	0.19	575.0	503.0	459.0	417.0	363.0	323.0	47.5	319.7	106.7
Atotonilco de Tula	492.6	495.9	113.4	0.4	3.2	0.23	488.0	403.0	349.0	295.0	224.0	168.0	12.0	284.0	23.2
Calnali	2019.1	1776.3	648.6	0.4	2.7	0.32	1810.0	1598.0	1407.0	1019.0	448.0	22.0	15.8	923.1	23.3
Cardonal	451.2	438.0	177.4	2.0	10.1	0.39	437.0	333.0	265.0	201.0	116.0	53.0	5.9	242.6	12.7
Cuautepec de Hinojosa	600.2	579.8	119.6	1.2	6.2	0.20	559.0	485.0	429.0	351.0	225.0	126.0	5.5	421.1	10.8
Chapantongo	427.1	426.5	155.9	0.2	2.6	0.36	420.0	314.0	249.0	188.0	109.0	49.0	22.7	115.3	46.2
Chapulhuacán	2022.6	2131.1	575.1	-0.5	3.9	0.28	2081.0	1567.0	1264.0	981.0	619.0	349.0	14.9	900.4	24.5
Chilcuautla	390.3	392.1	112.5	0.7	4.2	0.29	384.0	311.0	264.0	220.0	163.0	120.0	12.3	202.7	26.3
Eloxochitlán	448.0	427.1	125.5	0.4	3.7	0.28	420.0	336.0	293.0	248.0	178.0	117.0	10.9	239.6	22.4
Emiliano Zapala	660.4	650.8	111.4	-0.3	4.5	0.17	659.0	585.0	538.0	493.0	433.0	387.0	40.0	404.7	76.6
Epazoyucan	445.0	455.8	105.8	-0.3	2.7	0.24	441.0	356.0	309.0	266.0	211.0	169.0	16.8	239.7	30.8
Francisco I. Madero	412.3	403.4	95.7	0.2	3.3	0.23	411.0	334.0	285.0	238.0	178.0	133.0	12.8	228.9	23.0
Huasca de Ocampo	647.7	631.5	117.8	0.3	3.1	0.18	625.0	545.0	500.0	454.0	387.0	329.0	12.5	438.0	25.3
Huautla	1723.1	1740.4	506.6	0.5	3.3	0.29	1698.0	1318.0	1064.0	812.0	464.0	183.0	8.6	923.1	14.7
Huazalingo	1743.2	1803.8	499.8	0.2	3.2	0.29	1864.0	1086.0	1035.0	983.0	787.0	531.0	3.9	998.0	16.9
Huehuetla	553.2	595.3	129.6	-0.2	3.2	0.23	568.0	423.0	382.0	345.0	295.0	252.0	14.1	317.0	33.6
Huejutla de Reyes	1723.1	1740.4	506.6	0.5	3.3	0.29	1698.0	1318.0	1064.0	812.0	464.0	183.0	8.6	923.1	14.7
Huichapan	494.8	471.8	154.2	0.3	2.9	0.31	462.0	360.0	316.0	273.0	214.0	165.0	7.1	290.4	15.1
Ixmiquilpan	371.9	351.0	118.3	0.4	3.5	0.32	366.0	286.0	235.0	186.0	124.0	78.0	14.0	170.8	25.1

Tabla C.93. Características estadísticas de la lluvia anual de cada municipio del estado de Hidalgo.

Municipio	Estadísticos de la lluvia promedio municipal				Lámina de lluvia mínima anual de diferentes períodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Dev Std	Coefficientes	2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _c (mm)	(mm)	S(mm)	g k Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _{p min} (mm)	H _{p min}
Jacala de Ledezma	683.8	576.3	294.8	1.4 5.4 0.43	573.0	463.0	382.0	279.0	52.0	0.0	4.2	376.0	10.5
Jaltocán	1723.1	1740.4	506.6	0.5 3.3 0.29	1698.0	1318.0	1064.0	812.0	464.0	183.0	8.6	923.1	14.7
Juárez Hidalgo	2022.1	1785.6	633.0	0.5 2.7 0.31	1794.0	1518.0	1362.0	1169.0	785.0	421.0	16.7	989.8	32.2
Lolotla	2022.1	1785.6	633.0	0.5 2.7 0.31	1794.0	1518.0	1362.0	1169.0	785.0	421.0	16.7	989.8	32.2
Metepec	581.2	590.8	152.2	-0.2 3.0 0.26	594.0	450.0	370.0	297.0	204.0	135.0	10.1	317.0	16.5
San Agustín Metzquititlán	442.1	445.4	164.8	0.3 2.8 0.37	428.0	330.0	270.0	213.0	141.0	87.0	25.8	126.5	60.2
Metzquititlán	434.1	405.6	111.1	0.4 2.9 0.26	352.3	254.1	189.0	126.6	45.9	0.0	2.8	276.3	4.0
Mineral del Chico	1228.3	1286.8	352.7	-0.3 2.4 0.29	1273.0	916.0	728.0	557.0	341.0	180.0	15.6	482.0	27.4
Mineral del Monte	795.7	782.7	220.9	0.1 3.9 0.28	785.0	615.0	511.0	412.0	281.0	182.0	13.9	379.8	25.0
Misión, La	1613.0	1627.0	450.9	0.2 3.4 0.28	1644.0	1146.0	1091.0	1033.0	917.0	749.0	5.1	1006.0	26.3
Mixquiahuala de Juárez	422.1	408.0	108.9	-0.3 3.9 0.26	428.0	347.0	295.0	245.0	179.0	129.0	21.8	195.5	39.7
Molango de Escamilla	2022.1	1785.6	633.0	0.5 2.7 0.31	1794.0	1518.0	1362.0	1169.0	785.0	421.0	16.7	989.8	32.2
Nicolás Flores	968.9	751.0	445.2	2.1 8.9 0.46	741.0	691.0	650.0	522.0	46.0	0.0	1.6	616.5	14.0
Nopala de Villagrán	427.1	426.5	155.9	0.2 2.6 0.36	420.0	314.0	249.0	188.0	109.0	49.0	22.7	115.3	46.2
Ormitán de Juárez	795.7	782.7	220.9	0.1 3.9 0.28	785.0	615.0	511.0	412.0	281.0	182.0	13.9	379.8	25.0
San Felipe Orizatlán	1723.1	1740.4	506.6	0.5 3.3 0.29	1698.0	1318.0	1064.0	812.0	464.0	183.0	8.6	923.1	14.7
Pacula	683.8	576.3	294.8	1.4 5.4 0.43	573.0	463.0	382.0	279.0	52.0	0.0	4.2	376.0	10.5
Pachuca de Soto	1297.4	1380.8	351.0	-0.5 2.8 0.27	1371.0	993.0	797.0	620.0	397.0	232.0	13.7	590.0	22.6
Pisaflores	2022.6	2131.1	575.1	-0.5 3.9 0.28	2081.0	1567.0	1264.0	981.0	619.0	349.0	14.9	900.4	24.5
Progreso de Obregón	390.3	392.1	112.5	0.7 4.2 0.29	384.0	311.0	264.0	220.0	163.0	120.0	12.3	202.7	26.3
Mineral de la Reforma	467.2	460.8	99.3	0.0 4.1 0.21	459.0	400.0	356.0	305.0	224.0	155.0	29.5	228.6	47.9
San Agustín Tlaxiaca	403.6	400.5	116.0	0.1 3.1 0.29	378.0	314.0	276.0	240.0	194.0	160.0	27.5	183.9	61.1
San Bartolo Tututepec	553.2	595.3	129.6	-0.2 3.2 0.23	568.0	423.0	382.0	345.0	295.0	252.0	14.1	317.0	33.6
San Salvador	377.1	368.3	123.0	0.4 3.4 0.33	286.6	177.9	105.9	36.9	0.0	0.0	3.5	176.4	5.1
Santiago de Anaya	393.8	395.0	101.1	0.2 3.4 0.26	391.0	318.0	272.0	229.0	172.0	131.0	15.9	202.7	30.5
Santiago Tulantepec de Lugo Guerrero	536.4	544.0	116.8	-0.2 3.0 0.22	540.0	438.0	384.0	335.0	273.0	227.0	18.5	295.3	36.0
Singuilucan	543.9	542.5	113.3	0.3 2.9 0.21	533.0	452.0	404.0	358.0	297.0	250.0	10.5	358.1	20.1
Tasquillo	444.8	431.0	132.0	0.2 2.5 0.30	428.0	334.0	281.0	232.0	168.0	120.0	10.5	230.0	20.5
Tecoautla	434.4	427.0	115.1	-0.1 2.4 0.26	438.0	327.0	278.0	232.0	173.0	127.0	16.1	199.0	33.3
Tenango de Doria	553.2	595.3	129.6	-0.2 3.2 0.23	568.0	423.0	382.0	345.0	295.0	252.0	14.1	317.0	33.6

Tabla C.93. Características estadísticas de la lluvia anual de cada municipio del estado de Hidalgo.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	
	X _p (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p mín(mm)	H _p mín
Tepeapulco	665.6	696.0	116.8	-0.1	3.3	0.18	683.0	507.0	488.0	467.0	403.0	338.0	4.0	479.8	13.5
Tepehuacán de Guerrero	2268.7	2295.4	542.5	-0.4	3.2	0.24	2282.0	1879.0	1629.0	1393.0	1069.0	863.0	18.2	1240.9	31.6
Tepeji del Río de Ocampo	545.2	552.5	129.8	-0.2	4.1	0.24	550.0	450.0	384.0	319.0	232.0	165.0	19.6	272.3	32.9
Tepeatlán	518.3	509.6	213.8	1.3	6.4	0.41	520.0	345.0	229.0	118.0	0.0	0.0	5.0	256.5	8.5
Tepepango	492.6	495.9	113.4	0.4	3.2	0.23	488.0	403.0	349.0	295.0	224.0	168.0	12.0	284.0	23.2
Villa de Tezontepec	504.3	490.9	87.6	-0.7	6.4	0.17	509.0	448.0	405.0	360.0	293.0	236.0	61.2	230.3	107.3
Tezontepec de Aldama	491.5	469.8	146.8	0.4	2.9	0.30	465.0	380.0	329.0	281.0	218.0	169.0	28.5	196.6	67.7
Tlanguistengo	1746.6	1676.6	490.8	0.9	4.3	0.28	1649.0	1386.0	1218.0	1049.0	803.0	590.0	11.8	989.8	25.2
Tizayuca	504.3	490.9	87.6	-0.7	6.4	0.17	509.0	448.0	405.0	360.0	293.0	236.0	61.2	230.3	107.3
Tlahuailpan	492.6	495.9	113.4	0.4	3.2	0.23	488.0	403.0	349.0	295.0	224.0	168.0	12.0	284.0	23.2
Tlahuitlepa	451.2	438.0	177.4	2.0	10.1	0.39	437.0	333.0	265.0	201.0	116.0	53.0	5.9	242.6	12.7
Tlanalapa	506.9	487.8	110.2	0.7	4.0	0.22	485.0	428.0	393.0	359.0	315.0	281.0	38.9	280.1	101.0
Tlanchinol	2019.1	1776.3	648.6	0.4	2.7	0.32	1810.0	1598.0	1407.0	1019.0	448.0	22.0	15.8	923.1	23.3
Tlaxcoapan	492.6	495.9	113.4	0.4	3.2	0.23	488.0	403.0	349.0	295.0	224.0	168.0	12.0	284.0	23.2
Tokcayuca	504.3	490.9	87.6	-0.7	6.4	0.17	509.0	448.0	405.0	360.0	293.0	236.0	61.2	230.3	107.3
Tula de Allende	510.2	487.2	122.6	0.5	4.3	0.24	488.0	412.0	364.0	313.0	235.0	167.0	12.7	298.5	24.1
Tulancingo de Bravo	586.0	560.2	152.2	2.1	9.7	0.26	555.0	486.0	438.0	386.0	294.0	190.0	6.1	402.5	16.2
Xochiatipan	1723.1	1740.4	506.6	0.5	3.3	0.29	1698.0	1318.0	1064.0	812.0	484.0	183.0	8.6	923.1	14.7
Xochicoatlán	1746.6	1676.6	490.8	0.9	4.3	0.28	1649.0	1386.0	1218.0	1049.0	803.0	590.0	11.8	989.8	25.2
Yahualica	1723.1	1740.4	506.6	0.5	3.3	0.29	1698.0	1318.0	1064.0	812.0	484.0	183.0	8.6	923.1	14.7
Zacualtípán de Angeles	1506.6	1378.9	720.9	2.2	9.2	0.48	1408.0	1030.0	784.0	549.0	245.0	17.0	8.3	474.8	25.0
Zapotlán de Juárez	504.3	490.9	87.6	-0.7	6.4	0.17	509.0	448.0	405.0	360.0	293.0	236.0	61.2	230.3	107.3
Zempoala	582.0	602.2	134.0	0.4	3.3	0.23	563.0	454.0	402.0	341.0	244.0	161.0	9.0	354.0	17.5
Zimapan	573.2	550.9	233.7	1.8	9.2	0.41	549.0	413.0	323.0	232.0	106.0	0.0	6.7	253.0	17.1
Estatad	749.4	714.0	231.3	1.0	4.5	0.31	715.0	578.0	486.0	390.0	246.0	115.0	9.4	395.6	19.2

Tabla C.93. Características estadísticas de la lluvia anual de cada municipio del estado de Hidalgo.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Acatlán	425.6	464.2	502.8	541.4	580.0	618.6	657.2	695.8	734.4	773.0	7.1	7.1	7.1	0.0	21.4	28.5	7.1	0.0	7.1	14.2
Acaxochitlán	403.9	490.9	577.8	664.8	751.7	838.6	925.6	1012.5	1099.5	1186.4	20.0	20.0	6.6	26.6	13.3	6.6	0.0	0.0	0.0	6.6
Actopan	996.8	1167.6	1338.4	1509.2	1680.0	1850.8	2021.6	2192.4	2363.2	2534.0	10.5	15.7	5.2	10.5	21.0	15.7	5.2	10.5	0.0	5.2
Agua Blanca de Iturbide	363.8	410.7	457.5	504.3	551.2	598.0	644.8	691.6	738.5	785.3	6.2	12.5	12.5	6.2	6.2	6.2	25.0	12.5	6.2	6.2
Ajacuba	326.8	361.6	396.4	431.2	466.0	500.8	535.6	570.4	605.2	640.0	5.8	5.8	23.5	17.6	17.6	0.0	0.0	11.7	11.7	5.8
Afajayucan	286.4	347.7	409.1	470.5	531.9	593.2	654.6	716.0	777.3	838.7	8.1	24.3	16.2	18.9	16.2	8.1	2.7	2.7	0.0	2.7
Almoloya	381.5	420.1	458.8	497.5	536.2	574.8	613.5	652.2	690.8	729.5	7.1	7.1	7.1	7.1	14.2	14.2	7.1	10.7	10.7	14.2
Apan	471.7	509.4	547.2	584.9	622.7	660.4	698.2	735.9	773.7	811.4	14.2	7.1	10.7	10.7	17.8	14.2	7.1	3.5	7.1	7.1
Arenal, El	253.6	291.8	330.1	368.4	406.6	444.9	483.2	521.5	559.7	598.0	12.5	6.2	12.5	6.2	18.7	12.5	0.0	0.0	12.5	18.7
Atlatlaquía	334.8	385.6	436.5	487.3	538.1	588.9	639.7	690.6	741.4	792.2	4.2	21.2	6.3	12.7	25.5	12.7	6.3	4.2	4.2	2.1
Atlixco	1119.4	1315.7	1511.9	1708.2	1904.5	2100.8	2297.1	2493.3	2689.6	2885.9	16.6	7.1	4.7	19.0	21.4	14.2	4.7	0.0	4.7	7.1
Atotonilco el Grande	366.4	413.1	459.9	506.6	553.3	600.0	646.7	693.5	740.2	786.9	3.5	0.0	7.1	17.8	14.2	14.2	17.8	7.1	10.7	7.1
Atotonilco de Tula	334.8	385.6	436.5	487.3	538.1	588.9	639.7	690.6	741.4	792.2	4.2	21.2	6.3	12.7	25.5	12.7	6.3	4.2	4.2	2.1
Calnali	1164.6	1406.1	1647.7	1889.2	2130.7	2372.2	2613.7	2855.3	3096.8	3338.3	5.5	8.3	16.6	25.0	2.7	8.3	13.8	5.5	5.5	8.3
Cardonal	316.7	390.8	464.9	539.0	613.2	687.3	761.4	835.5	909.6	983.7	13.3	26.6	20.0	20.0	13.3	0.0	0.0	0.0	0.0	6.6
Cuautepec de Hinojosa	477.3	533.6	589.8	646.1	702.3	758.5	814.8	871.0	927.3	983.5	10.7	25.0	17.8	14.2	17.8	7.1	3.5	0.0	0.0	3.5
Chapantongo	176.8	238.2	299.7	361.1	422.6	484.0	545.4	606.9	668.4	729.8	2.2	9.0	18.1	4.5	13.6	20.4	9.0	4.5	11.3	6.8
Chapulhuacán	1098.2	1295.9	1493.7	1691.4	1889.2	2087.0	2284.7	2482.5	2680.2	2878.0	7.6	7.6	0.0	15.3	7.6	7.6	23.0	7.6	15.3	7.6
Chicuautila	250.8	299.0	347.1	395.3	443.4	491.5	539.7	587.8	636.0	684.1	6.8	20.6	3.4	24.1	20.6	10.3	3.4	3.4	3.4	3.4
Eloxochitlán	287.2	334.8	382.4	430.0	477.7	525.3	572.9	620.5	668.1	715.7	6.2	6.2	25.0	12.5	6.2	18.7	12.5	6.2	0.0	6.2
Emiliano Zapata	447.9	491.0	534.2	577.3	620.4	663.6	706.7	749.9	793.0	836.2	5.8	0.0	5.8	5.8	11.7	23.5	17.6	11.7	0.0	17.6
Epazoyucan	276.7	313.6	350.6	387.5	424.5	461.5	498.4	535.4	572.3	609.3	8.0	4.0	4.0	16.0	16.0	4.0	12.0	8.0	16.0	12.0
Francisco I. Madero	268.0	307.2	346.3	385.4	424.6	463.7	502.8	541.9	581.1	620.2	3.4	13.7	6.8	6.8	24.1	17.2	13.7	3.4	3.4	6.8
Huasca de Ocampo	485.8	533.5	581.3	629.1	676.8	724.6	772.4	820.2	867.9	915.7	7.1	7.1	17.8	17.8	10.7	10.7	17.8	3.5	3.5	3.5
Huautla	1119.4	1315.7	1511.9	1708.2	1904.5	2100.8	2297.1	2493.3	2689.6	2885.9	16.6	7.1	4.7	19.0	21.4	14.2	4.7	0.0	4.7	7.1
Huazalingo	1174.5	1351.0	1527.5	1704.0	1880.5	2056.9	2233.4	2409.9	2586.4	2762.9	21.7	0.0	13.0	4.3	26.0	17.3	4.3	0.0	4.3	8.6
Huehuetla	363.8	410.7	457.5	504.3	551.2	598.0	644.8	691.6	738.5	785.3	6.2	12.5	12.5	6.2	6.2	6.2	25.0	12.5	6.2	6.2
Huejutla de Reyes	1119.4	1315.7	1511.9	1708.2	1904.5	2100.8	2297.1	2493.3	2689.6	2885.9	16.6	7.1	4.7	19.0	21.4	14.2	4.7	0.0	4.7	7.1
Huichapan	336.8	383.1	429.5	475.8	522.2	568.6	614.9	661.3	707.6	754.0	18.7	6.2	18.7	6.2	6.2	12.5	12.5	0.0	6.2	12.5
Ixmiquilpan	211.1	251.3	291.6	331.9	372.1	412.4	452.7	493.0	533.2	573.5	6.2	12.5	6.2	6.2	25.0	12.5	6.2	6.2	0.0	18.7

Tabla C.94. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Hidalgo.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Jacala de Ledezma	483.8	591.7	699.5	807.4	915.2	1023.0	1130.9	1238.7	1346.6	1454.4	22.2	33.3	16.6	0.0	5.5	11.1	0.0	5.5	0.0	5.5
Jaltocán	1119.4	1315.7	1511.9	1708.2	1904.5	2100.8	2297.1	2493.3	2689.6	2885.9	16.6	7.1	4.7	19.0	21.4	14.2	4.7	0.0	4.7	7.1
Juárez Hidalgo	1224.7	1459.5	1694.4	1929.2	2164.1	2398.9	2633.8	2868.6	3103.4	3338.3	5.5	11.1	22.2	13.8	11.1	8.3	8.3	5.5	5.5	8.3
Lolotla	1224.7	1459.5	1694.4	1929.2	2164.1	2398.9	2633.8	2868.6	3103.4	3338.3	5.5	11.1	22.2	13.8	11.1	8.3	8.3	5.5	5.5	8.3
Metepc	369.3	421.6	473.8	526.1	578.4	630.7	683.0	735.2	787.5	839.8	6.2	12.5	12.5	0.0	12.5	18.7	6.2	18.7	6.2	6.2
San Agustín Metzquitlán	193.1	259.6	326.2	392.7	459.3	525.8	592.4	658.9	725.4	792.0	2.7	11.1	13.8	11.1	25.0	8.3	8.3	2.7	11.1	5.5
Metztitlán	313.2	350.1	387.0	423.9	460.8	497.8	534.7	571.6	608.5	645.4	12.5	18.7	12.5	12.5	0.0	6.2	18.7	6.2	6.2	6.2
Mineral del Chico	617.5	752.9	888.4	1023.8	1159.3	1294.7	1430.2	1565.6	1701.1	1836.5	6.1	4.0	12.2	8.1	8.1	12.2	14.2	16.3	12.2	6.1
Mineral del Monte	463.4	546.9	630.4	714.0	797.5	881.1	964.6	1048.2	1131.8	1215.3	6.6	6.6	13.3	13.3	13.3	13.3	13.3	6.6	6.6	6.6
Misión, La	1144.3	1282.6	1420.9	1559.2	1697.5	1835.8	1974.1	2112.4	2250.7	2389.0	18.1	18.1	0.0	9.0	9.0	9.0	0.0	27.2	0.0	9.0
Mixquiahuala de Juárez	238.4	281.2	324.1	366.9	409.8	452.6	495.5	538.3	581.2	624.0	9.5	0.0	4.7	14.2	23.8	4.7	28.5	0.0	4.7	9.5
Molango de Escamilla	1224.7	1459.5	1694.4	1929.2	2164.1	2398.9	2633.8	2868.6	3103.4	3338.3	5.5	11.1	22.2	13.8	11.1	8.3	8.3	5.5	5.5	8.3
Nicolás Flores	787.1	957.6	1128.2	1298.7	1469.3	1639.8	1810.4	1980.9	2151.5	2322.0	58.8	5.8	11.7	5.8	5.8	5.8	0.0	0.0	0.0	5.8
Nopala de Villagrán	176.8	238.2	299.7	361.1	422.6	484.0	545.4	606.9	668.4	729.8	2.2	9.0	18.1	4.5	13.6	20.4	9.0	4.5	11.3	6.8
Ormitán de Juárez	463.4	546.9	630.4	714.0	797.5	881.1	964.6	1048.2	1131.8	1215.3	6.6	6.6	13.3	13.3	13.3	13.3	13.3	6.6	6.6	6.6
San Felipe Orizatlán	1119.4	1315.7	1511.9	1708.2	1904.5	2100.8	2297.1	2493.3	2689.6	2885.9	16.6	7.1	4.7	19.0	21.4	14.2	4.7	0.0	4.7	7.1
Pacula	483.8	591.7	699.5	807.4	915.2	1023.0	1130.9	1238.7	1346.6	1454.4	22.2	33.3	16.6	0.0	5.5	11.1	0.0	5.5	0.0	5.5
Pachuca de Soto	714.7	839.3	963.9	1088.6	1213.3	1337.9	1462.6	1587.2	1711.9	1836.5	7.1	10.7	0.0	10.7	7.1	10.7	17.8	14.2	14.2	7.1
Pisaflores	1098.2	1295.9	1493.7	1691.4	1889.2	2087.0	2284.7	2482.5	2680.2	2878.0	7.6	7.6	0.0	15.3	7.6	7.6	23.0	7.6	15.3	7.6
Progreso de Obregón	250.8	299.0	347.1	395.3	443.4	491.5	539.7	587.8	636.0	684.1	6.8	20.6	3.4	24.1	20.6	10.3	3.4	3.4	3.4	3.4
Mineral de la Reforma	272.8	317.0	361.2	405.4	449.6	493.7	537.9	582.1	626.3	670.5	4.1	0.0	4.1	16.6	12.5	29.1	12.5	0.0	16.6	4.1
San Agustín Tlaxiaca	223.8	263.6	303.5	343.4	383.3	423.1	463.0	502.9	542.7	582.6	5.8	5.8	0.0	23.5	11.7	23.5	0.0	0.0	11.7	17.6
San Bartolomé Tututepec	363.8	410.7	457.5	504.3	551.2	598.0	644.8	691.6	738.5	785.3	6.2	12.5	12.5	6.2	6.2	6.2	25.0	12.5	6.2	6.2
San Salvador	216.4	256.5	296.5	336.5	376.6	416.6	456.6	496.6	536.7	576.7	12.5	0.0	18.7	6.2	25.0	6.2	6.2	0.0	0.0	18.7
Santiago de Anaya	242.9	283.0	323.2	363.4	403.6	443.7	483.9	524.1	564.2	604.4	6.8	6.8	10.3	6.8	27.5	13.7	10.3	6.8	3.4	6.8
Santiago Tulantepec de Lugo Guerrero	340.7	386.2	431.6	477.1	522.5	567.9	613.4	658.8	704.3	749.7	4.3	8.6	8.6	8.6	13.0	17.3	13.0	13.0	8.6	4.3
Singuilucan	400.9	443.6	486.4	529.1	571.9	614.7	657.4	700.2	742.9	785.7	14.2	7.1	10.7	14.2	14.2	14.2	7.1	7.1	7.1	3.5
Tasquillo	277.6	325.1	372.7	420.3	467.9	515.4	563.0	610.6	658.1	705.7	11.4	8.5	14.2	11.4	14.2	5.7	11.4	8.5	8.5	5.7
Tecoautla	246.0	293.1	340.1	387.1	434.1	481.2	528.2	575.2	622.3	669.3	4.4	4.4	20.0	4.4	17.7	8.8	15.5	13.3	8.8	2.2
Tenango de Doria	363.8	410.7	457.5	504.3	551.2	598.0	644.8	691.6	738.5	785.3	6.2	12.5	12.5	6.2	6.2	6.2	25.0	12.5	6.2	6.2

Tabla C.94. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Hidalgo.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Tepeapulco	524.1	568.3	612.6	656.8	701.1	745.4	789.6	833.9	878.1	922.4	21.7	4.3	4.3	4.3	17.3	26.0	13.0	4.3	0.0	4.3
Tepehuacán de Guerrero	1424.5	1608.1	1791.7	1975.3	2159.0	2342.6	2526.2	2709.8	2893.4	3077.0	11.1	0.0	11.1	5.5	5.5	27.7	5.5	11.1	0.0	22.2
Tepeji del Río de Ocampo	320.9	369.5	418.1	466.7	515.3	563.9	612.5	661.1	709.7	758.3	6.2	0.0	12.5	6.2	12.5	18.7	12.5	18.7	0.0	12.5
Tepetitlán	344.1	431.8	519.4	607.1	694.7	782.3	870.0	957.6	1045.3	1132.9	15.7	21.0	21.0	21.0	5.2	5.2	5.2	0.0	0.0	5.2
Tepepango	334.8	385.6	436.5	487.3	538.1	588.9	639.7	690.6	741.4	792.2	4.2	21.2	6.8	12.7	25.5	12.7	6.3	4.2	4.2	2.1
Villa de Tezontepec	276.7	323.1	369.5	415.9	462.2	508.6	555.0	601.4	647.8	694.2	3.5	0.0	0.0	7.1	10.7	35.7	17.8	14.2	3.5	7.1
Tezontepec de Aldama	256.3	315.9	375.6	435.3	495.0	554.6	614.3	674.0	733.6	793.3	4.3	4.3	13.0	15.2	21.7	13.0	4.3	8.6	6.5	8.6
Tianguisengo	1179.4	1369.0	1558.6	1748.2	1937.9	2127.5	2317.1	2506.7	2696.3	2885.9	8.6	8.6	21.7	26.0	8.6	8.6	4.3	0.0	4.3	8.6
Tizayuca	276.7	323.1	369.5	415.9	462.2	508.6	555.0	601.4	647.8	694.2	3.5	0.0	0.0	7.1	10.7	35.7	17.8	14.2	3.5	7.1
Tlahuelilpan	334.8	385.6	436.5	487.3	538.1	588.9	639.7	690.6	741.4	792.2	4.2	21.2	6.8	12.7	25.5	12.7	6.3	4.2	4.2	2.1
Tlahuiltepa	316.7	390.8	464.9	539.0	613.2	687.3	761.4	835.5	909.6	983.7	13.3	26.6	20.0	20.0	13.3	0.0	0.0	0.0	0.0	6.6
Tlanalapa	327.4	374.7	421.9	469.2	516.5	563.8	611.1	658.3	705.6	752.9	3.5	0.0	17.8	17.8	25.0	10.7	10.7	3.5	3.5	7.1
Tlanchinol	1164.6	1406.1	1647.7	1889.2	2130.7	2372.2	2613.7	2855.3	3096.8	3338.3	5.5	8.3	16.6	25.0	2.7	8.3	13.8	5.5	5.5	8.3
Tlaxcoapan	334.8	385.6	436.5	487.3	538.1	588.9	639.7	690.6	741.4	792.2	4.2	21.2	6.8	12.7	25.5	12.7	6.3	4.2	4.2	2.1
Tolcayuca	276.7	323.1	369.5	415.9	462.2	508.6	555.0	601.4	647.8	694.2	3.5	0.0	0.0	7.1	10.7	35.7	17.8	14.2	3.5	7.1
Tula de Allende	347.0	395.5	444.0	492.5	541.1	589.6	638.1	686.6	735.1	783.6	6.2	6.2	18.7	25.0	6.2	12.5	12.5	6.2	0.0	6.2
Tulancingo de Bravo	472.9	543.3	613.6	684.0	754.4	824.8	895.2	965.5	1035.9	1106.3	17.3	21.7	34.7	13.0	4.3	0.0	4.3	0.0	0.0	4.3
Xochiatipán	1119.4	1315.7	1511.9	1708.2	1904.5	2100.8	2297.1	2493.3	2689.6	2885.9	16.6	7.1	4.7	19.0	21.4	14.2	4.7	0.0	4.7	7.1
Xochicoatlán	1179.4	1369.0	1558.6	1748.2	1937.9	2127.5	2317.1	2506.7	2696.3	2885.9	8.6	8.6	21.7	26.0	8.6	8.6	4.3	0.0	4.3	8.6
Yahualica	1119.4	1315.7	1511.9	1708.2	1904.5	2100.8	2297.1	2493.3	2689.6	2885.9	16.6	7.1	4.7	19.0	21.4	14.2	4.7	0.0	4.7	7.1
Zacualtipán de Angeles	848.9	1223.0	1597.2	1971.3	2345.4	2719.5	3093.6	3467.8	3841.9	4216.0	10.4	25.0	33.3	22.9	0.0	0.0	2.0	2.0	0.0	4.1
Zapotlán de Juárez	276.7	323.1	369.5	415.9	462.2	508.6	555.0	601.4	647.8	694.2	3.5	0.0	0.0	7.1	10.7	35.7	17.8	14.2	3.5	7.1
Zempoala	409.6	465.2	520.7	576.3	631.9	687.5	743.1	798.6	854.2	909.8	7.1	14.2	14.2	10.7	21.4	14.2	3.5	10.7	0.0	3.5
Zimapan	375.3	497.6	619.9	742.2	864.4	986.7	1109.0	1231.3	1353.6	1475.9	14.2	22.8	31.4	20.0	2.8	5.7	0.0	0.0	0.0	2.8
Estatal	494.0	592.4	690.7	789.1	887.5	985.9	1084.3	1182.6	1281.0	1379.4	14.0	8.0	20.0	24.0	16.0	6.0	2.0	4.0	0.0	6.0

Tabla C.94. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Hidalgo.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	Huifa disponible	Huifa disponible		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	Hu disp S(mm)	Hu disp S(mm)		
Acahualtán	3.5	1.5	2.3	1.8	177.5	118.6	77.1	13.0	509.5	4.4	MUY SEVERA	
Acaxochitlán	3.6	1.6	2.0	1.2	289.0	330.1	144.5	24.0	456.2	6.6	MUY VASTA	
Actopan	3.3	0.8	1.3	0.7	576.7	400.6	443.6	28.0	1111.8	6.0	VASTA	
Agua Blanca de Iturbide	4.0	1.0	2.3	1.2	288.7	233.4	125.5	22.0	427.7	4.6	MUY VASTA	
Ajacuba	2.3	0.4	3.0	2.9	170.0	189.3	56.6	12.0	388.9	3.4	EXTREMADAMENTE SEVERA	
Alfajayucan	3.6	1.4	2.1	2.1	196.5	297.0	93.5	21.0	333.7	3.3	MUY VASTA	
Almoloya	4.3	1.8	1.8	0.6	179.9	127.4	99.9	17.0	458.1	5.4	SEVERA	
Apan	5.1	1.9	2.3	1.3	194.3	134.7	84.4	14.0	516.8	4.9	MUY SEVERA	
Arenal, El	2.5	0.5	1.8	1.1	165.8	116.2	92.1	22.0	317.0	4.0	VASTA	
Atitalaquia	4.8	3.0	2.1	1.0	207.7	121.2	98.9	20.0	393.6	5.6	MUY SEVERA	
Atlapexco	3.2	1.6	1.6	1.3	674.8	838.4	421.7	24.0	1301.3	5.2	VASTA	
Atotonilco el Grande	4.0	1.6	2.1	0.9	171.4	119.5	81.6	14.0	495.9	5.6	MUY SEVERA	
Atotonilco de Tula	4.8	3.0	2.1	1.0	207.7	121.2	98.9	20.0	393.6	5.6	MUY SEVERA	
Calnali	4.8	2.9	2.5	2.6	1231.1	1465.0	492.4	24.0	1526.7	6.9	MUY VASTA	
Cardonal	4.0	0.8	2.2	1.2	218.5	75.7	99.3	22.0	351.8	4.2	MUY VASTA	
Cuautepec de Hinojosa	4.7	1.3	2.5	0.9	214.9	150.8	85.9	14.0	514.3	3.3	MUY SEVERA	
Chapantongo	4.8	3.0	2.4	2.2	300.8	374.9	125.3	29.0	301.7	5.7	MUY VASTA	
Chapulhuacán	3.3	1.2	1.5	0.5	746.8	323.0	497.8	24.0	1524.8	5.5	VASTA	
Chilcuautla	4.1	0.8	2.0	1.0	170.3	153.6	85.1	21.0	305.2	5.4	MUY VASTA	
Eloxochitlán	2.6	0.4	2.2	1.0	207.2	105.1	94.1	21.0	353.8	3.8	MUY VASTA	
Emiliano Zapata	5.5	0.5	3.0	1.4	226.5	183.7	75.5	11.0	584.9	5.0	EXTREMADAMENTE SEVERA	
Epazoyucan	4.0	1.4	1.9	1.4	184.6	138.8	97.1	21.0	347.9	5.6	VASTA	
Francisco I. Madero	8.3	3.6	3.7	1.0	267.7	88.7	72.3	17.0	339.9	4.6	EXTREMADAMENTE SEVERA	
Huasca de Ocampo	5.2	2.7	2.6	1.5	226.2	212.3	87.0	13.0	560.6	4.0	MUY SEVERA	
Huautla	3.2	1.6	1.6	1.3	674.8	838.4	421.7	24.0	1301.3	5.2	VASTA	
Huazalingo	2.6	0.4	2.2	1.6	1122.7	982.5	510.3	29.0	1232.8	3.8	MUY VASTA	
Huehuetla	4.0	1.0	2.3	1.2	288.7	233.4	125.5	22.0	427.7	4.6	MUY VASTA	
Huejutla de Reyes	3.2	1.6	1.6	1.3	674.8	838.4	421.7	24.0	1301.3	5.2	VASTA	
Huichapan	2.6	0.4	2.0	1.2	256.5	169.9	128.2	25.0	366.6	4.5	MUY VASTA	
Ixmiquilpan	3.3	1.2	2.2	1.0	179.9	107.8	81.7	21.0	290.1	4.7	MUY VASTA	

Tabla C.95. Características de la sequía promedio de cada municipio del estado de Hidalgo.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para sequía Meteorológica	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	lluvia disponible	para		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s	Hp disp S(mm)	Hp disp S(mm)		
Jacala de Ledezma	4.6	2.4	3.2	1.9	509.7	178.2	159.2	23.0	524.6	2.9	EXTREMADAMENTE VASTA	
Jaltocán	3.2	1.6	1.6	1.3	674.8	838.4	421.7	24.0	1301.3	5.2	VASTA	
Juárez Hidalgo	4.8	2.9	2.6	2.9	1195.9	1370.7	459.9	22.0	1562.1	4.1	MUY VASTA	
Lolotla	4.8	2.9	2.6	2.9	1195.9	1370.7	459.9	22.0	1562.1	4.1	MUY VASTA	
Metepéc	3.5	1.5	2.3	1.8	324.4	325.4	141.0	24.0	440.1	5.4	MUY VASTA	
San Agustín Metzquitlán	3.2	1.1	1.7	1.1	228.4	229.3	134.3	30.0	307.7	6.4	VASTA	
Metztitlán	2.6	0.4	2.2	1.0	192.6	95.4	87.5	20.0	346.5	2.1	MUY SEVERA	
Mineral del Chico	3.7	1.2	1.6	1.2	553.1	507.7	345.6	28.0	892.6	5.6	VASTA	
Mineral del Monte	3.6	0.9	2.0	1.2	319.2	245.2	159.6	20.0	636.0	4.4	MUY SEVERA	
Misión, La	3.3	0.4	1.2	0.4	517.7	259.0	431.4	26.0	1181.6	3.5	VASTA	
Mixquiahuala de Juárez	8.5	0.5	3.6	1.2	294.9	128.6	81.9	19.0	340.2	5.4	EXTREMADAMENTE SEVERA	
Molango de Escamilla	4.8	2.9	2.6	2.9	1195.9	1370.7	459.9	22.0	1562.1	4.1	MUY VASTA	
Nicolás Flores	5.0	0.0	4.0	2.4	906.2	508.0	226.5	23.0	742.4	2.0	MUY VASTA	
Nopala de Villagrán	4.8	3.0	2.4	2.2	300.8	374.9	125.3	29.0	301.7	5.7	MUY VASTA	
Ormitán de Juárez	3.6	0.9	2.0	1.2	319.2	245.2	159.6	20.0	636.0	4.4	MUY SEVERA	
San Felipe Orizatlán	3.2	1.6	1.6	1.3	674.8	838.4	421.7	24.0	1301.3	5.2	VASTA	
Pacula	4.6	2.4	3.2	1.9	509.7	178.2	159.2	23.0	524.6	2.9	EXTREMADAMENTE VASTA	
Pachuca de Soto	3.8	1.5	1.7	1.0	576.5	619.3	339.1	26.0	958.2	5.6	VASTA	
Pisaflores	3.3	1.2	1.5	0.5	746.8	323.0	497.8	24.0	1524.8	5.5	VASTA	
Progreso de Obregón	4.1	0.8	2.0	1.0	170.3	153.6	85.1	21.0	305.2	5.4	MUY VASTA	
Mineral de la Reforma	7.0	3.5	3.5	2.6	216.6	160.3	61.8	13.0	405.4	4.5	EXTREMADAMENTE SEVERA	
San Agustín Tlaxiaca	2.6	0.4	1.6	1.1	129.8	126.6	81.1	20.0	322.4	4.3	SEVERA	
San Bartolo Tututepec	4.0	1.0	2.3	1.2	288.7	233.4	125.5	22.0	427.7	4.6	MUY VASTA	
San Salvador	4.0	1.0	3.3	0.9	249.9	43.1	75.7	20.0	301.3	1.8	EXTREMADAMENTE SEVERA	
Santiago de Anaya	4.0	1.0	2.0	1.3	159.2	98.2	79.5	20.0	314.2	5.3	MUY SEVERA	
Santiago Tulantepec de Lugo Guerrero	3.8	1.1	1.8	1.0	182.8	158.1	101.5	18.0	334.9	5.2	SEVERA	
Singuilucan	5.0	1.4	2.5	1.3	213.2	111.4	85.2	15.0	458.6	4.6	MUY SEVERA	
Tasquillo	3.8	1.5	2.1	1.3	210.8	189.7	100.3	22.0	344.5	4.4	MUY VASTA	
Tecoautla	5.2	2.5	2.5	1.8	242.5	245.5	97.0	22.0	337.4	4.4	MUY VASTA	
Tenango de Doria	4.0	1.0	2.3	1.2	288.7	233.4	125.5	22.0	427.7	4.6	MUY VASTA	

Tabla C.95. Características de la sequía promedio de cada municipio del estado de Hidalgo.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	lluvia disponible			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a Xc	Hp	disp S(mm)		
Tepeapulco	4.2	2.0	1.3	0.4	179.1	104.1	137.7	20.0		527.8	3.9	SEVERA
Tepahuacán de Guerrero	3.7	1.2	1.3	0.4	757.1	448.9	582.3	25.0		1686.3	8.5	VASTA
Tepeji del Río de Ocampo	5.0	0.0	2.6	0.9	261.7	150.1	100.6	18.0		444.5	5.3	MUY SEVERA
Tepetitlán	5.3	2.6	2.7	2.4	376.7	357.4	139.5	26.0		378.7	4.1	MUY VASTA
Telepango	4.8	3.0	2.1	1.0	207.7	121.2	98.9	20.0		393.6	5.6	MUY SEVERA
Villa de Tezontepec	4.2	1.7	2.6	1.2	146.9	120.1	56.5	11.0		447.7	5.0	MUY SEVERA
Tezontepec de Aldama	3.9	2.2	2.4	1.7	240.4	304.2	100.1	20.0		391.4	4.3	MUY SEVERA
Tiangustengo	4.3	2.0	2.4	2.2	693.1	784.2	288.7	16.0		1457.9	3.8	MUY SEVERA
Tizayuca	4.2	1.7	2.6	1.2	146.9	120.1	56.5	11.0		447.7	5.0	MUY SEVERA
Tlahuailpan	4.8	3.0	2.1	1.0	207.7	121.2	98.9	20.0		393.6	5.6	MUY SEVERA
Tlahuilepa	4.0	0.8	2.2	1.2	218.5	75.7	99.3	22.0		351.8	4.2	MUY VASTA
Tlanalapa	3.5	1.4	2.4	1.9	167.2	141.9	69.6	13.0		437.2	4.2	MUY SEVERA
Tlanchinol	4.8	2.9	2.5	2.6	1231.1	1465.0	492.4	24.0		1526.7	6.9	MUY VASTA
Tlaxcoapan	4.8	3.0	2.1	1.0	207.7	121.2	98.9	20.0		393.6	5.6	MUY SEVERA
Tolcayuca	4.2	1.7	2.6	1.2	146.9	120.1	56.5	11.0		447.7	5.0	MUY SEVERA
Tula de Allende	3.3	1.2	2.2	1.0	191.5	165.2	87.0	17.0		423.1	4.3	MUY SEVERA
Tulancingo de Bravo	3.8	2.1	2.6	2.2	189.0	179.8	72.6	12.0		513.3	3.4	MUY SEVERA
Xochiatipán	3.2	1.6	1.6	1.3	674.8	838.4	421.7	24.0		1301.3	5.2	VASTA
Xochicoatlán	4.3	2.0	2.4	2.2	693.1	784.2	288.7	16.0		1457.9	3.8	MUY SEVERA
Yahualica	3.2	1.6	1.6	1.3	674.8	838.4	421.7	24.0		1301.3	5.2	VASTA
Zacualtipán de Angeles	4.3	2.6	2.6	1.3	998.3	891.2	383.9	25.0		1122.7	3.9	MUY VASTA
Zapotlán de Juárez	4.2	1.7	2.6	1.2	146.9	120.1	56.5	11.0		447.7	5.0	MUY SEVERA
Zempoala	4.5	2.0	1.8	0.9	218.1	213.3	121.1	20.0		460.8	4.6	SEVERA
Zimapan	5.4	2.7	2.7	2.7	396.6	492.1	146.8	25.0		426.4	4.5	MUY VASTA
Estatad	5.2	2.3	3.1	2.6	468.0	639.8	150.9	20.0		598.4	4.3	EXTREMADAMENTE SEVERA

Tabla C.95. Características de la sequía promedio de cada municipio del estado de Hidalgo.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de $I / máx$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Acatlán	310.4	5.0	62.0	10.0	199.6	1.0	34.0	66.6	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0
Acaxochitlán	857.4	4.0	214.3	35.0	214.3	4.0	35.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Actopan	1323.4	3.0	441.1	28.0	729.4	1.0	46.0	83.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agua Blanca de I.	615.7	4.0	153.9	27.0	164.6	1.0	29.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Ajacuba	496.9	8.0	62.1	13.0	76.4	1.0	17.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0
Alfajayucan	1025.4	8.0	128.1	29.0	128.1	8.0	29.0	55.5	33.3	0.0	0.0	0.0	0.0	0.0	11.1	0.0	0.0
Almoloya	395.6	3.0	131.8	23.0	153.1	2.0	27.0	28.5	57.1	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apan	409.7	5.0	81.9	13.0	129.4	1.0	21.0	33.3	33.3	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Arenal, El	314.9	2.0	157.4	38.0	160.8	1.0	39.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Atlatlaquía	371.3	4.0	92.8	18.0	135.2	1.0	27.0	30.0	40.0	10.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Atlapexco	2667.4	5.0	533.4	30.0	664.5	1.0	38.0	75.0	8.3	0.0	8.3	8.3	0.0	0.0	0.0	0.0	0.0
Atotonilco el G.	374.4	2.0	187.2	32.0	187.2	2.0	32.0	28.5	42.8	14.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0
Atotonilco de T.	371.3	4.0	92.8	18.0	135.2	1.0	27.0	30.0	40.0	10.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Calmate	4921.2	9.0	546.8	27.0	752.4	1.0	37.0	62.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0	12.5	0.0
Cardonal	339.7	4.0	84.9	18.0	208.6	1.0	46.0	50.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Cuautepec de H.	425.0	4.0	106.2	17.0	140.7	3.0	23.0	16.6	33.3	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Chapantongo	1157.5	8.0	144.6	33.0	207.4	1.0	48.0	55.5	11.1	11.1	1.1	0.0	0.0	0.0	11.1	0.0	0.0
Chapulhuacán	1122.2	1.0	1122.2	55.0	1122.2	1.0	55.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chilcuautla	510.4	4.0	127.6	32.0	187.6	1.0	48.0	42.8	28.5	14.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0
Eloxochitlán	312.3	4.0	78.0	17.0	156.0	2.0	34.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Emiliano Zapata	459.3	4.0	114.8	17.0	114.8	4.0	17.0	33.3	0.0	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0
Epazoyucan	468.6	5.0	93.7	21.0	197.6	1.0	44.0	50.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Francisco I. M.	393.9	4.0	98.4	23.0	98.4	4.0	23.0	0.0	25.0	0.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0
Huasca de O.	680.2	6.0	113.3	17.0	114.1	2.0	17.0	16.6	50.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Huautla	2667.4	5.0	533.4	30.0	664.5	1.0	38.0	75.0	8.3	0.0	8.3	8.3	0.0	0.0	0.0	0.0	0.0
Huazalingo	2767.9	5.0	553.5	31.0	684.6	1.0	39.0	50.0	25.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
Huehuetla	615.7	4.0	153.9	27.0	164.6	1.0	29.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Huejutla de R.	2667.4	5.0	533.4	30.0	664.5	1.0	38.0	75.0	8.3	0.0	8.3	8.3	0.0	0.0	0.0	0.0	0.0
Huichapan	537.6	4.0	134.4	27.0	189.2	1.0	38.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Ixmiquilpan	316.8	2.0	158.4	42.0	158.4	2.0	42.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.96. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Hidalgo.

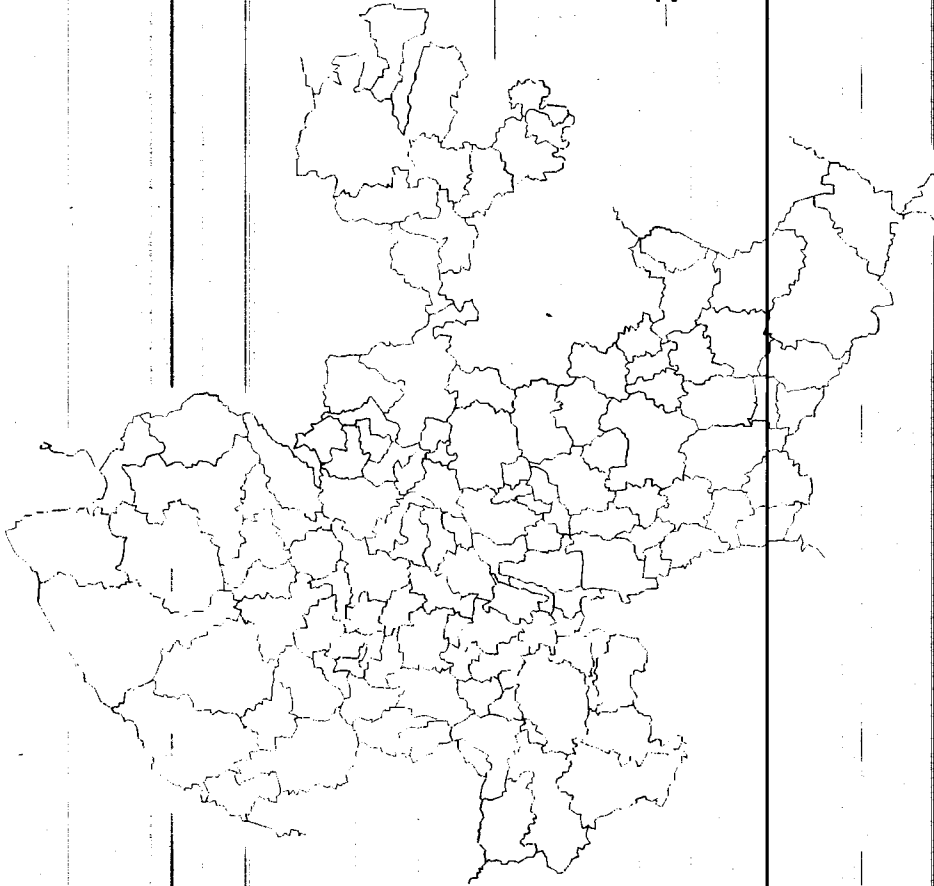
Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^o S ^o máx (mm/año)	% de I ^o	Intensidad	Duración / máx	% de I ^o máx	1 año 2 años 3 años			4 años 5 años 6 años 7 años 8 años 9 años 10 años						
	S máx(mm)	D máx(años)	I máx(mm/año)	respecto a X ₀	I máx(mm/año)	D máx(años)	respecto a X ₀	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Jacala de L.	701.8	4.0	175.4	25.0	302.6	1.0	44.0	25.0	25.0	0.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0
Jaltocán	2667.4	5.0	533.4	30.0	664.5	1.0	38.0	75.0	8.3	0.0	8.3	8.3	0.0	0.0	0.0	0.0	0.0
Juárez Hidalgo	4619.3	10.0	461.9	22.0	755.3	1.0	37.0	62.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	12.5
Lolotla	4619.3	10.0	461.9	22.0	755.3	1.0	37.0	62.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	12.5
Melapec	772.7	5.0	154.5	26.0	190.3	1.0	32.0	66.6	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0
San Agustín M.	612.9	4.0	153.2	34.0	265.1	2.0	35.0	59.0	70.0	10.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Metztitlán	288.3	2.0	144.1	33.0	144.1	2.0	33.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Mineral del Chico	1718.7	4.0	429.6	34.0	673.8	2.0	54.0	69.2	15.3	0.0	7.6	7.6	0.0	0.0	0.0	0.0	0.0
Mineral del Monte	647.3	4.0	161.8	20.0	223.8	2.0	28.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Misión, La	846.0	2.0	423.0	26.0	607.0	1.0	37.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mixquihuala de J.	406.3	4.0	101.5	24.0	101.5	4.0	24.0	0.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0
Molango de E.	4619.3	10.0	461.9	22.0	755.3	1.0	35.0	62.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	12.5
Nicolás Flores	1544.3	7.0	220.6	22.0	301.1	1.0	37.0	33.3	0.0	0.0	33.3	0.0	0.0	33.3	0.0	0.0	0.0
Nopala de V.	1157.5	8.0	144.6	33.0	207.4	1.0	48.0	55.5	11.1	11.1	11.1	0.0	0.0	0.0	11.1	0.0	0.0
Ormitlán de J.	647.3	4.0	161.8	20.0	223.8	2.0	28.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
San Felipe O.	2667.4	5.0	533.4	30.0	664.5	1.0	38.0	75.0	8.3	0.0	8.3	8.3	0.0	0.0	0.0	0.0	0.0
Pacula	701.8	4.0	175.4	25.0	302.6	1.0	44.0	25.0	25.0	0.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0
Pachuca de Soto	1995.1	4.0	498.7	38.0	498.7	4.0	38.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Picaflores	1122.2	1.0	1122.2	55.0	1122.2	1.0	55.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Progreso de O.	510.4	4.0	127.6	32.0	187.6	1.0	48.0	42.8	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Mineral de la R.	491.0	8.0	61.3	13.0	131.5	1.0	28.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0
San Agustín T.	305.2	2.0	152.6	37.0	152.6	2.0	37.0	66.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
San Bartolo T.	615.7	4.0	153.9	27.0	164.6	1.0	35.0	29.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0
San Salvador	289.8	2.0	144.9	38.0	144.9	2.0	38.0	0.0	33.3	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0
Santiago de A.	290.9	5.0	58.1	14.0	191.0	1.0	48.0	42.8	42.8	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Santiago T. L.G.	420.6	2.0	210.3	39.0	210.3	2.0	39.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Singuilucan	381.6	3.0	127.2	23.0	185.7	1.0	34.0	33.3	16.6	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Tasquillo	632.0	5.0	126.4	28.0	211.6	2.0	47.0	44.4	33.3	0.0	11.1	11.1	0.0	0.0	0.0	0.0	0.0
Tecoautla	838.0	6.0	139.6	32.0	197.3	1.0	45.0	44.4	22.2	0.0	11.1	11.1	11.1	0.0	0.0	0.0	0.0
Tenango de Dorta	615.7	4.0	153.9	27.0	164.6	1.0	29.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.96. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Hidalgo.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I^*(mm/a\acute{o})$	respecto a X_c	$I^*(mm/a\acute{o})$	$D_{m\acute{a}x}(a\acute{o}s)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Tepeapulco	337.5	2.0	168.7	25.0	182.4	1.0	27.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tepehuacán	1458.3	2.0	729.1	32.0	1027.7	1.0	45.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tepeji del Río	421.5	4.0	105.3	19.0	151.4	2.0	27.0	0.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Tepetitlán	963.6	7.0	137.6	26.0	213.3	1.0	41.0	50.0	25.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0
Tetepango	371.3	4.0	92.8	18.0	135.2	1.0	27.0	30.0	40.0	10.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Villa de T.	389.1	5.0	77.8	15.0	92.6	2.0	18.0	16.6	33.3	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Tezontepec	1148.0	7.0	164.0	33.0	164.0	7.0	33.0	36.3	36.3	0.0	18.1	0.0	0.0	9.0	0.0	0.0	0.0
Tlanguistengo	2397.2	7.0	342.4	19.0	479.9	1.0	27.0	66.6	0.0	0.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0
Tizayuca	389.1	5.0	77.8	15.0	92.6	2.0	18.0	16.6	33.3	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Tlahuillipán	371.3	4.0	92.8	18.0	135.2	1.0	27.0	30.0	40.0	10.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Tlahuiltepa	339.7	4.0	84.9	18.0	208.6	1.0	46.0	50.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Tlanalapa	427.7	7.0	61.1	12.0	155.8	2.0	30.0	28.5	57.1	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.0
Tlanchinol	4921.2	9.0	546.8	27.0	752.4	1.0	37.0	62.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0	12.5	0.0
Tlaxcoapan	371.3	4.0	92.8	18.0	135.2	1.0	27.0	30.0	40.0	10.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Tolcayuca	389.1	5.0	77.8	15.0	92.6	2.0	18.0	16.6	33.3	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Tula de Allende	438.9	4.0	109.7	21.0	122.3	2.0	23.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Tulancingo	535.1	4.0	133.7	22.0	133.7	4.0	22.0	50.0	16.6	0.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0
Xochiatipán	2667.4	5.0	533.4	30.0	664.5	1.0	38.0	75.0	8.3	0.0	8.3	8.3	0.0	0.0	0.0	0.0	0.0
Xochicoatlán	2397.2	7.0	342.4	19.0	479.9	1.0	27.0	66.6	0.0	0.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0
Yahualica	2667.4	5.0	533.4	30.0	664.5	1.0	38.0	75.0	8.3	0.0	8.3	8.3	0.0	0.0	0.0	0.0	0.0
Zacualtipán	2738.6	4.0	684.6	45.0	684.6	4.0	45.0	27.2	27.2	9.0	27.2	9.0	0.0	0.0	0.0	0.0	0.0
Zapotlán	389.1	5.0	77.8	15.0	92.6	2.0	18.0	16.6	33.3	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Zempoala	686.8	4.0	171.7	29.0	172.4	2.0	29.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Zimapan	1525.2	9.0	169.4	29.0	204.3	2.0	35.0	57.1	14.2	0.0	14.2	0.0	0.0	0.0	0.0	14.2	0.0
Estatal	2175.7	8.0	271.9	36.0	271.9	8.0	36.0	55.5	0.0	0.0	22.2	0.0	0.0	11.1	11.1	0.0	0.0

Tabla C.96. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Hidalgo.

JALISCO



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv	Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _a (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
HA14001	883.3	883.0	233.3	0.2	3.7	0.26	887.0	679.0	614.0	510.0	329.0	190.0	13.4	493.9	21.7
HA14003	530.0	552.7	157.3	-0.3	4.7	0.30	541.0	417.0	335.0	257.0	156.0	80.0	24.8	163.4	46.8
HA14005	802.1	838.3	237.9	-0.3	4.4	0.30	836.0	666.0	522.0	342.0	62.0	0.0	17.9	264.5	26.1
HA14006	594.5	580.4	184.1	0.4	3.6	0.31	584.0	434.0	328.0	218.0	60.0	0.0	8.1	288.7	12.9
HA14008	577.8	576.3	188.4	0.1	2.6	0.33	571.0	414.0	328.0	248.0	145.0	66.0	7.6	295.8	13.2
HA14009	810.4	807.8	135.8	0.4	4.5	0.17	792.0	695.0	623.0	539.0	412.0	310.0	13.1	525.0	22.3
HA14010	917.3	965.8	258.5	-1.1	4.5	0.28	976.0	741.0	575.0	414.0	205.0	47.0	26.5	248.0	41.3
HA14011	840.0	793.0	321.3	1.5	7.0	0.38	779.0	573.0	426.0	262.0	0.0	0.0	4.3	471.5	8.1
HA14012	955.4	955.0	156.0	-0.2	5.9	0.16	969.0	859.0	783.0	707.0	597.0	505.0	33.7	570.0	61.9
HA14013	926.1	902.0	183.9	0.1	3.0	0.20	907.0	780.0	704.0	634.0	543.0	476.0	22.9	547.5	47.9
HA14015	937.1	933.3	307.6	-0.6	4.9	0.33	946.0	714.0	568.0	430.0	251.0	117.0	50.7	103.3	107.4
HA14016	830.5	845.7	157.8	0.5	3.9	0.19	826.0	697.0	605.0	511.0	376.0	266.0	6.7	598.4	10.5
HA14017	889.7	840.9	257.6	0.5	3.3	0.29	838.0	667.0	567.0	468.0	331.0	219.0	12.7	429.1	26.2
HA14018	658.8	664.6	123.2	-0.5	4.6	0.19	665.0	572.0	508.0	443.0	354.0	283.0	40.6	320.1	69.9
HA14019	663.4	642.0	154.1	0.0	4.1	0.23	640.0	544.0	486.0	420.0	315.0	226.0	29.8	310.5	51.8
HA14020	842.2	849.9	180.2	-0.6	5.1	0.21	847.0	719.0	636.0	551.0	432.0	338.0	57.2	329.5	105.9
HA14021	1364.2	1354.6	501.6	-0.2	2.2	0.37	1381.0	908.0	713.0	538.0	317.0	154.0	10.3	541.3	19.7
HA14023	571.0	613.5	165.8	-0.5	3.3	0.29	590.0	425.0	358.0	296.0	212.0	146.0	32.6	182.5	68.7
HA14024	1274.0	1250.4	244.1	-0.2	2.8	0.19	1261.0	1049.0	938.0	835.0	705.0	608.0	22.5	725.0	43.4
HA14025	614.0	611.8	212.7	0.8	4.6	0.35	597.0	462.0	369.0	267.0	109.0	0.0	9.5	283.0	18.1
HA14026	685.7	698.7	194.2	-0.4	4.2	0.28	698.0	565.0	464.0	351.0	181.0	44.0	24.6	234.0	38.0
HA14027	1508.3	1556.2	415.7	-0.5	4.6	0.28	1519.0	1203.0	1002.0	810.0	560.0	371.0	44.1	397.5	90.9
HA14028	770.4	748.8	238.9	-0.1	3.4	0.31	740.0	583.0	496.0	399.0	244.0	112.0	34.5	208.8	60.3
HA14031	753.3	725.8	168.7	0.2	3.7	0.22	722.0	638.0	579.0	511.0	394.0	289.0	36.7	365.1	61.0
HA14034	1029.9	1034.1	176.4	-1.0	8.1	0.17	1018.0	882.0	794.0	710.0	603.0	522.0	47.9	525.4	97.3
HA14035	1167.5	1127.7	222.8	0.1	2.8	0.19	1143.0	977.0	889.0	805.0	696.0	611.0	16.6	742.2	33.9
HA14036	1655.4	1648.0	299.1	-0.4	4.0	0.18	1643.0	1456.0	1392.0	1304.0	1123.0	967.0	89.7	860.4	160.0
HA14038	853.3	818.3	156.6	0.5	5.1	0.18	816.0	738.0	660.0	544.0	376.0	251.0	18.4	480.0	28.4
HA14040	926.1	901.5	213.9	0.0	3.9	0.23	920.0	754.0	643.0	530.0	373.0	248.0	21.7	420.5	38.2
HA14041	1048.6	1072.6	294.0	-0.3	3.9	0.28	1085.0	871.0	709.0	530.0	261.0	40.0	17.7	441.6	27.4
HA14042	767.5	718.3	281.1	0.6	3.6	0.37	746.0	583.0	481.0	381.0	245.0	138.0	9.9	374.3	20.9
HA14046	744.2	702.0	217.2	-0.6	4.0	0.29	754.0	586.0	481.0	382.0	255.0	159.0	30.6	243.2	54.4
HA14048	1294.2	1359.0	235.5	-1.0	4.8	0.18	1347.0	1177.0	1053.0	921.0	724.0	558.0	45.5	637.3	72.2

Tabla C.97. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Jalisco.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv	Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
X_c (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp mín(mm)	Hp mín	
HA14049	504.4	494.0	221.1	0.2	2.9	0.44	481.0	326.0	235.0	148.0	31.0	0.0	13.6	111.0	26.7
HA14050	772.9	758.0	182.5	0.3	4.6	0.24	782.0	636.0	537.0	440.0	305.0	194.0	12.4	422.5	22.6
HA14051	896.3	953.6	313.0	-1.0	3.9	0.35	936.0	679.0	520.0	370.0	178.0	34.0	30.6	166.0	52.9
HA14052	772.7	760.0	167.2	0.3	3.0	0.22	753.0	627.0	554.0	483.0	387.0	312.0	9.4	498.5	17.2
HA14056	804.5	842.5	202.0	-0.5	3.0	0.25	838.0	653.0	530.0	410.0	255.0	137.0	11.7	429.4	17.9
HA14057	817.6	825.1	219.6	0.1	4.8	0.27	835.0	661.0	544.0	428.0	270.0	143.0	22.8	295.4	43.4
HA14058	488.4	511.3	131.3	-0.4	3.2	0.27	502.0	379.0	310.0	247.0	168.0	108.0	15.4	222.4	26.5
HA14060	884.0	913.5	216.7	-0.6	4.2	0.25	906.0	728.0	612.0	502.0	359.0	252.0	26.5	363.1	48.7
HA14064	858.1	817.6	290.5	-0.4	3.2	0.34	854.0	628.0	496.0	373.0	215.0	97.0	23.0	243.0	42.4
HA14066	972.4	1003.9	177.6	-1.5	7.5	0.18	993.0	864.0	781.0	701.0	599.0	522.0	163.5	380.4	360.4
HA14067	607.4	606.5	185.1	0.1	4.6	0.30	604.0	461.0	352.0	232.0	49.0	0.0	16.8	173.1	27.2
HA14068	845.8	841.0	171.3	0.2	3.2	0.20	846.0	704.0	608.0	512.0	381.0	278.0	9.6	546.8	15.6
HA14070	819.7	811.6	189.1	0.2	3.2	0.23	810.0	675.0	587.0	498.0	374.0	273.0	10.0	516.2	17.4
HA14071	605.4	618.5	170.7	0.1	3.0	0.28	610.0	443.0	363.0	284.0	174.0	85.0	9.1	311.7	15.7
HA14072	797.9	810.2	190.1	0.0	3.2	0.24	799.0	620.0	527.0	440.0	324.0	235.0	12.2	422.7	22.9
HA14074	683.4	746.0	193.3	-0.2	3.0	0.28	697.0	540.0	438.0	340.0	214.0	119.0	11.2	351.8	18.4
HA14076	816.2	855.5	233.0	-0.7	3.7	0.29	859.0	596.0	466.0	353.0	214.0	112.0	27.5	204.5	53.3
HA14077	733.6	735.4	223.6	-0.4	2.9	0.30	760.0	537.0	437.0	347.0	235.0	152.0	21.1	256.3	41.9
HA14078	653.2	679.0	177.3	0.6	4.0	0.27	628.0	462.0	394.0	294.0	131.0	6.0	4.6	395.8	9.9
HA14080	796.9	774.3	165.6	-0.1	3.2	0.21	790.0	658.0	596.0	538.0	463.0	405.0	21.8	467.8	47.0
HA14081	1030.8	1029.3	190.3	-0.6	4.7	0.18	1040.0	888.0	792.0	698.0	575.0	481.0	45.0	499.0	87.8
HA14082	947.6	986.8	223.0	-1.1	6.5	0.24	964.0	809.0	710.0	616.0	494.0	403.0	65.1	368.2	130.5
HA14084	601.1	617.0	173.7	-0.1	4.1	0.29	616.0	495.0	392.0	269.0	94.0	0.0	17.4	216.3	26.5
HA14085	1030.4	1087.2	228.3	-0.3	3.1	0.22	1050.0	854.0	730.0	612.0	460.0	346.0	18.0	541.7	30.5
HA14086	861.8	855.4	205.9	-0.7	4.4	0.24	878.0	693.0	587.0	490.0	365.0	273.0	43.0	292.8	86.0
HA14087	874.7	870.9	180.1	0.3	4.6	0.21	878.0	772.0	608.0	448.0	244.0	91.0	10.1	521.1	14.5
HA14089	895.2	870.0	142.3	0.8	4.9	0.16	875.0	797.0	709.0	572.0	376.0	231.0	12.5	607.2	17.0
HA14092	660.1	698.3	181.1	-1.0	5.0	0.27	695.0	518.0	419.0	327.0	209.0	121.0	23.3	245.8	37.4
HA14094	1145.6	1068.2	307.4	0.9	4.4	0.27	1114.0	907.0	773.0	644.0	474.0	343.0	9.1	667.0	17.7
HA14095	1127.4	1123.6	173.8	0.6	4.3	0.15	1080.0	948.0	865.0	761.0	599.0	471.0	5.0	873.3	9.4
HA14097	544.9	565.3	168.5	-0.6	4.7	0.31	420.8	271.9	173.2	78.6	0.0	0.0	5.6	194.7	8.6
HA14098	476.2	448.4	155.7	0.7	3.5	0.33	448.0	364.0	310.0	257.0	181.0	117.0	9.3	263.0	18.5
HA14099	1039.8	1010.5	229.9	0.8	4.5	0.22	1021.0	864.0	763.0	666.0	540.0	444.0	10.4	655.5	21.6

Tabla C.97. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Jalisco.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	Lluvia mínima registrada	Tr(años)
	Media X_c (mm)	Mediana (mm)	Desv S(mm)	Std	Coeficientes g k Cv		2 años Hp(mm)	5 años Hp(mm)	10 años Hp(mm)	20 años Hp(mm)	50 años Hp(mm)	100 años Hp(mm)	primer decil	Hp min(mm)	para Hp min
HA14100	631.7	615.1	145.9	0.2	2.5	0.23	609.0	498.0	463.0	430.0	386.0	350.0	11.3	408.2	31.8
HA14103	523.5	478.1	275.0	2.4	12.1	0.53	512.0	333.0	216.0	103.0	0.0	0.0	6.3	156.0	14.4
HA14104	716.0	728.7	230.9	0.3	4.8	0.32	718.0	528.0	388.0	235.0	0.0	0.0	8.8	318.2	13.9
HA14105	835.3	831.3	200.2	-0.1	3.2	0.24	826.0	680.0	592.0	508.0	401.0	321.0	31.7	373.5	63.3
HA14106	504.8	492.2	138.7	0.5	4.1	0.27	497.0	400.0	337.0	277.0	200.0	142.0	15.4	243.8	29.7
HA14108	610.1	601.0	168.5	0.2	4.1	0.28	598.0	474.0	386.0	293.0	157.0	45.0	16.6	246.8	27.7
HA14110	923.8	928.3	200.0	-0.3	2.3	0.22	930.0	740.0	655.0	578.0	480.0	408.0	13.4	557.4	24.1
HA14111	792.6	796.4	147.1	0.1	4.8	0.19	792.0	694.0	630.0	570.0	491.0	433.0	47.4	426.9	107.4
HA14113	783.0	806.4	176.9	-1.8	9.2	0.23	812.0	668.0	572.0	480.0	362.0	272.0	134.4	145.5	267.7
HA14114	458.0	446.9	181.1	0.3	3.3	0.40	431.0	316.0	237.0	149.0	17.0	0.0	17.2	99.3	28.8
HA14115	845.7	866.5	160.6	-0.1	4.4	0.19	856.0	727.0	633.0	531.0	374.0	233.0	11.0	551.9	17.5
HA14116	1408.1	1289.0	373.7	0.7	3.0	0.27	1271.0	1092.0	994.0	900.0	771.0	666.0	5.8	946.7	14.1
HA14118	882.0	868.1	171.2	0.7	4.8	0.19	865.0	729.0	627.0	512.0	334.0	183.0	9.5	554.1	15.7
HA14121	951.8	947.8	150.6	-0.6	4.0	0.16	961.0	818.0	724.0	635.0	520.0	433.0	16.8	597.2	26.9
HA14123	624.2	585.2	269.3	0.3	3.2	0.43	577.0	419.0	328.0	242.0	129.0	41.0	16.4	170.8	35.7
HA14124	1032.6	971.3	385.6	1.2	4.9	0.37	957.0	800.0	698.0	597.0	456.0	337.0	10.8	549.7	27.4
HA14125	1361.5	1332.3	215.0	0.6	3.4	0.16	1318.0	1194.0	1122.0	1052.0	959.0	885.0	10.9	1036.0	23.5
HA14126	720.2	693.6	221.4	0.4	3.1	0.31	711.0	547.0	443.0	344.0	216.0	121.0	14.6	304.1	26.6
HA14127	556.7	574.8	155.5	-0.4	3.9	0.28	568.0	466.0	401.0	339.0	259.0	200.0	40.6	217.0	81.8
HA14128	650.4	680.0	187.4	-0.5	3.8	0.29	668.0	526.0	434.0	346.0	231.0	143.0	20.9	268.0	37.2
HA14129	1051.3	1108.6	290.5	-1.2	5.3	0.28	1118.0	823.0	669.0	529.0	352.0	220.0	61.2	193.5	115.2
HA14130	869.7	881.2	163.8	0.2	4.9	0.19	859.0	733.0	639.0	534.0	372.0	233.0	16.7	482.0	27.3
HA14131	660.3	696.0	170.9	-0.1	3.7	0.26	667.0	502.0	408.0	312.0	178.0	72.0	15.2	272.5	26.3
HA14132	893.8	907.8	152.2	-0.3	3.8	0.17	896.0	784.0	715.0	649.0	564.0	501.0	25.9	564.5	50.0
HA14133	1107.7	1110.2	312.3	-0.2	3.2	0.28	1106.0	853.0	706.0	568.0	392.0	262.0	15.2	512.5	26.7
HA14134	683.3	666.9	235.5	-0.3	3.5	0.34	669.0	509.0	416.0	329.0	217.0	134.0	29.5	192.2	61.6
HA14135	633.2	650.4	160.3	-0.3	3.2	0.25	638.0	510.0	435.0	366.0	276.0	210.0	17.5	318.3	32.4
HA14136	897.3	904.2	146.9	-0.5	4.0	0.16	898.0	787.0	719.0	656.0	575.0	515.0	50.0	511.8	103.7
HA14138	1019.0	1007.8	249.1	0.1	3.6	0.24	1020.0	813.0	680.0	554.0	391.0	270.0	14.9	503.3	26.6
HA14139	815.4	750.8	228.7	1.3	6.3	0.28	730.0	619.0	524.0	369.0	115.0	0.0	6.4	485.0	12.3
HA14141	1041.8	1048.7	151.1	-0.5	3.7	0.15	1059.0	935.0	854.0	776.0	676.0	601.0	21.7	704.0	38.7
HA14142	865.2	861.2	176.1	0.4	3.3	0.20	841.0	717.0	637.0	555.0	440.0	344.0	11.4	553.4	20.3
HA14143	784.4	753.7	154.3	0.4	3.2	0.20	758.0	678.0	628.0	578.0	508.0	450.0	18.9	524.8	40.4

Tabla C.97. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Jalisco.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
X _a (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min	
HA14144	597.5	611.9	149.7	0.4	4.1	0.25	596.0	492.0	425.0	361.0	278.0	216.0	12.7	338.3	25.6
HA14145	598.4	601.6	185.8	0.4	3.9	0.31	591.0	441.0	334.0	221.0	55.0	0.0	9.1	270.5	14.9
HA14147	901.5	878.0	201.3	0.7	3.9	0.22	865.0	736.0	654.0	571.0	453.0	353.0	8.4	590.6	17.1
HA14152	791.0	777.5	219.7	0.6	4.6	0.28	772.0	642.0	556.0	468.0	342.0	233.0	26.3	329.6	54.3
HA14153	708.6	731.0	164.1	-0.6	3.9	0.23	711.0	582.0	504.0	430.0	335.0	265.0	43.6	280.1	85.9
HA14154	788.6	761.9	205.9	0.0	3.4	0.26	776.0	623.0	530.0	439.0	316.0	220.0	18.6	362.2	35.6
HA14155	685.9	663.9	181.2	-0.1	3.1	0.26	674.0	538.0	462.0	391.0	300.0	232.0	24.1	302.7	48.5
HA14156	750.6	744.9	133.9	0.0	4.3	0.18	747.0	652.0	588.0	524.0	436.0	365.0	21.4	458.0	40.1
HA14157	642.0	658.4	190.7	0.0	3.2	0.30	636.0	496.0	411.0	330.0	224.0	144.0	21.5	244.8	41.9
HA14158	820.0	832.7	190.0	0.5	4.5	0.23	775.0	644.0	546.0	414.0	228.0	87.0	12.4	419.5	19.5
HA14159	786.5	791.7	201.9	-0.1	3.4	0.26	800.0	638.0	523.0	405.0	238.0	102.0	11.7	420.1	18.4
HA14160	766.8	797.0	167.3	-0.1	2.3	0.22	826.0	587.0	554.0	526.0	491.0	462.0	8.9	511.0	29.8
HA14162	891.8	901.3	133.6	0.3	3.3	0.15	874.0	797.0	750.0	705.0	647.0	604.0	24.2	640.9	54.9
HA14163	723.6	766.8	184.3	-1.9	8.4	0.25	772.0	627.0	518.0	412.0	272.0	168.0	63.4	159.3	105.7
HA14164	684.5	705.1	178.2	-1.4	7.0	0.26	553.4	395.8	291.5	191.4	61.9	0.0	18.8	113.4	34.7
HA14165	601.7	602.5	176.8	0.0	3.2	0.29	602.0	472.0	391.0	314.0	215.0	141.0	17.3	258.4	33.4
HA14168	516.7	494.6	121.6	0.2	2.6	0.24	492.0	416.0	372.0	332.0	281.0	242.0	13.8	312.1	28.5
HA14169	950.3	970.2	175.9	-0.5	3.2	0.19	981.0	769.0	688.0	625.0	530.0	446.0	15.1	579.6	31.8
HA14170	761.0	795.0	212.9	-0.5	4.5	0.28	772.0	598.0	478.0	357.0	190.0	56.0	23.4	233.8	39.5
HA14171	885.0	912.4	222.1	-0.1	2.9	0.25	890.0	705.0	595.0	491.0	357.0	258.0	11.6	495.7	19.3
HA14174	738.8	626.5	374.2	1.9	8.9	0.51	700.0	455.0	294.0	138.0	0.0	0.0	4.5	312.7	9.2
HA14175	601.7	611.2	178.2	0.1	2.4	0.30	592.0	450.0	370.0	297.0	203.0	133.0	11.6	294.2	20.5
HA14177	664.8	689.0	143.0	-0.3	3.0	0.22	682.0	527.0	452.0	385.0	301.0	238.0	14.5	360.2	26.1
HA14178	959.7	921.2	192.3	0.8	3.7	0.20	901.0	787.0	718.0	642.0	517.0	403.0	6.2	689.6	13.1
HA14180	820.4	831.8	142.5	-0.2	3.4	0.17	829.0	711.0	636.0	564.0	471.0	402.0	18.2	513.8	32.7
HA14189	740.7	707.7	174.2	0.8	4.6	0.24	718.0	644.0	513.0	365.0	175.0	34.0	8.8	469.6	12.2
HA14191	893.4	859.0	302.9	2.5	12.9	0.34	865.0	695.0	580.0	464.0	298.0	149.0	5.5	519.5	14.4
HA14192	668.1	678.5	219.3	0.1	3.2	0.33	710.0	437.0	370.0	291.0	139.0	9.0	13.1	253.0	25.9
HA14196	749.0	770.3	173.8	-0.6	5.3	0.23	763.0	633.0	550.0	472.0	370.0	294.0	25.2	380.8	45.5
HA14266	686.7	665.0	161.3	-0.4	3.4	0.24	663.0	540.0	472.0	409.0	329.0	270.0	38.7	285.2	83.7
HA14301	891.4	837.1	161.3	1.0	7.0	0.18	834.0	811.0	695.0	558.0	382.0	250.0	10.2	623.8	14.3
HA14304	483.5	487.0	70.2	0.3	3.2	0.15	485.0	411.0	402.0	394.0	378.0	355.0	3.2	395.6	17.6

Tabla C.97. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Jalisco.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA14001	576.7	659.4	742.2	824.9	907.7	990.4	1073.2	1155.9	1238.7	1321.4	7.6	7.6	15.3	15.3	7.6	7.6	15.3	15.3	0.0	7.6
HA14003	233.4	303.3	373.3	443.2	513.2	583.2	653.1	723.1	793.0	863.0	5.2	0.0	10.5	10.5	15.7	15.7	21.0	15.7	0.0	5.2
HA14005	374.3	484.0	593.8	703.5	813.3	923.0	1032.8	1142.5	1252.3	1362.0	7.4	3.7	7.4	7.4	14.8	33.3	18.5	0.0	3.7	3.7
HA14006	360.1	431.5	503.0	574.4	645.8	717.2	788.6	860.1	931.5	1002.9	7.4	14.8	7.4	18.5	18.5	14.8	7.4	3.7	0.0	7.4
HA14008	360.6	425.5	490.3	555.1	620.0	684.8	749.6	814.4	879.3	944.1	23.0	3.8	3.8	11.5	19.2	3.8	15.3	7.6	7.6	3.8
HA14009	591.3	657.6	723.9	790.2	856.5	922.9	989.2	1055.5	1121.8	1188.1	6.6	0.0	26.6	10.0	23.3	10.0	20.0	0.0	0.0	3.3
HA14010	349.6	451.2	552.8	654.4	756.0	857.5	959.1	1060.7	1162.3	1263.9	7.1	0.0	3.5	7.1	7.1	3.5	21.4	25.0	10.7	14.2
HA14011	603.1	734.7	866.3	997.9	1129.5	1261.1	1392.7	1524.3	1655.9	1787.5	21.0	21.0	26.3	10.5	5.2	10.5	0.0	0.0	0.0	5.2
HA14012	646.1	722.1	798.2	874.3	950.4	1026.4	1102.5	1178.6	1254.6	1330.7	5.0	0.0	10.0	10.0	10.0	40.0	15.0	5.0	0.0	5.0
HA14013	620.3	693.1	765.9	838.7	911.5	984.3	1057.1	1129.9	1202.7	1275.5	3.4	3.4	17.2	10.3	17.2	17.2	3.4	10.3	10.3	6.8
HA14015	248.2	393.2	538.1	683.1	828.0	972.9	1117.9	1262.8	1407.8	1552.7	3.7	3.7	0.0	3.7	22.2	18.5	22.2	11.1	11.1	3.7
HA14016	658.3	718.1	778.0	837.9	897.8	957.6	1017.5	1077.4	1137.2	1197.1	15.7	10.5	10.5	10.5	21.0	15.7	5.2	5.2	0.0	5.2
HA14017	533.1	637.2	741.2	845.3	949.3	1053.3	1157.4	1261.4	1365.5	1469.5	3.7	7.4	18.5	22.2	11.1	11.1	11.1	3.7	7.4	3.7
HA14018	375.0	429.9	484.8	539.7	594.6	649.5	704.4	759.3	814.2	869.1	3.7	0.0	0.0	14.8	3.7	22.2	18.5	22.2	3.7	11.1
HA14019	376.8	443.0	509.3	575.5	641.8	708.0	774.3	840.5	906.8	973.0	4.7	0.0	0.0	28.5	14.2	14.2	14.2	9.5	4.7	9.5
HA14020	414.3	499.0	583.8	668.5	753.3	838.0	922.8	1007.5	1092.3	1177.0	3.8	0.0	3.8	7.6	11.5	19.2	23.0	11.5	11.5	7.6
HA14021	704.9	868.5	1032.2	1195.8	1359.4	1523.0	1686.6	1850.3	2013.9	2177.5	11.1	7.4	11.1	11.1	11.1	3.7	3.7	22.2	14.8	3.7
HA14023	251.7	320.8	390.0	459.2	528.4	597.5	666.7	735.9	805.0	874.2	3.7	3.7	7.4	7.4	18.5	3.7	25.9	14.8	11.1	3.7
HA14024	818.5	911.9	1005.4	1098.8	1192.3	1285.7	1379.2	1472.6	1566.1	1659.5	3.7	3.7	3.7	14.8	14.8	14.8	7.4	7.4	18.5	11.1
HA14025	375.8	468.6	561.4	654.2	747.0	839.9	932.7	1025.5	1118.3	1211.1	11.1	18.5	14.8	18.5	14.8	11.1	3.7	3.7	0.0	3.7
HA14026	314.1	394.3	474.4	554.5	634.7	714.8	794.9	875.0	955.2	1035.3	7.4	3.7	0.0	7.4	14.8	18.5	25.9	7.4	3.7	11.1
HA14027	593.9	790.3	986.7	1183.1	1379.5	1575.9	1772.3	1968.7	2165.1	2361.5	3.7	0.0	7.4	11.1	7.4	22.2	25.9	11.1	7.4	3.7
HA14028	310.4	411.9	513.5	615.0	716.6	818.2	919.7	1021.3	1122.8	1224.4	3.4	3.4	3.4	17.2	17.2	10.3	17.2	10.3	6.8	10.3
HA14031	437.2	509.3	581.5	653.6	725.7	797.8	869.9	942.1	1014.2	1086.3	3.7	0.0	11.1	11.1	22.2	22.2	3.7	7.4	11.1	7.4
HA14034	607.8	690.2	772.6	855.0	937.4	1019.9	1102.3	1184.7	1267.1	1349.5	5.8	0.0	0.0	0.0	17.6	23.5	29.4	11.7	0.0	11.7
HA14035	827.5	912.8	998.1	1083.4	1168.7	1254.0	1339.3	1424.6	1509.9	1595.2	3.7	11.1	7.4	14.8	14.8	11.1	11.1	14.8	0.0	11.1
HA14036	991.6	1122.7	1253.9	1385.0	1516.2	1647.4	1778.5	1909.7	2040.8	2172.0	3.7	0.0	0.0	11.1	22.2	11.1	7.4	22.2	11.1	11.1
HA14038	569.0	637.9	716.9	795.8	874.8	953.8	1032.7	1111.7	1190.6	1269.6	3.7	0.0	7.4	22.2	29.6	18.5	7.4	3.7	3.7	3.7
HA14040	516.7	613.0	709.2	805.5	901.7	997.9	1094.2	1190.4	1286.7	1382.9	3.7	0.0	11.1	11.1	25.9	11.1	18.5	7.4	3.7	7.4
HA14041	563.0	684.4	805.8	927.2	1048.7	1170.1	1291.5	1412.9	1534.3	1655.7	4.5	3.6	0.0	4.5	22.7	18.1	22.7	4.5	4.5	4.5
HA14042	481.6	588.8	696.1	803.4	910.7	1017.9	1125.2	1232.5	1339.7	1447.0	14.8	1.1	18.5	14.8	18.5	3.7	7.4	3.7	3.7	3.7
HA14046	322.9	402.6	482.3	562.0	641.7	721.4	801.1	880.8	960.5	1040.2	5.2	0.0	10.5	0.0	0.0	36.8	5.2	15.7	5.2	21.0
HA14048	745.3	853.4	961.4	1069.5	1177.5	1285.5	1393.6	1501.6	1609.7	1717.7	3.7	0.0	7.4	7.4	3.7	18.5	18.5	29.6	7.4	3.7

Tabla C.98. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Jalisco.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA14049	196.2	281.5	366.7	451.9	537.2	622.4	707.6	792.8	878.1	963.3	11.1	0.0	18.5	11.1	18.5	11.1	7.4	14.8	3.7	3.7
HA14050	507.5	592.5	677.5	762.5	847.5	932.5	1017.5	1102.5	1187.5	1272.5	11.1	7.4	7.4	25.9	18.5	14.8	11.1	0.0	0.0	3.7
HA14051	280.2	394.4	508.6	622.8	737.0	851.2	965.4	1079.6	1193.8	1308.0	4.3	8.6	4.3	0.0	0.0	13.0	21.7	17.3	13.0	17.3
HA14052	559.9	621.3	682.7	744.1	805.5	866.9	928.3	989.7	1051.1	1112.5	14.8	7.4	3.7	22.2	11.1	11.1	14.8	3.7	0.0	11.1
HA14056	502.6	575.7	648.9	722.1	795.2	868.4	941.6	1014.8	1087.9	1161.1	11.5	3.8	7.6	7.6	7.6	15.3	15.3	23.0	3.8	3.8
HA14057	405.5	515.6	625.7	735.8	845.9	956.0	1066.1	1176.2	1286.3	1396.4	3.7	3.7	14.8	11.1	18.5	18.5	22.2	3.7	0.0	3.7
HA14058	270.5	318.7	366.8	414.9	463.1	511.2	559.3	607.4	655.6	703.7	5.5	5.5	11.1	11.1	5.5	11.1	22.2	0.0	22.2	5.5
HA14060	457.8	552.6	647.3	742.0	836.8	931.5	1026.2	1120.9	1215.7	1310.4	7.6	0.0	3.8	7.6	15.3	26.9	11.5	15.3	7.6	3.8
HA14064	348.6	454.1	559.7	665.2	770.7	876.3	981.8	1087.4	1193.0	1298.5	7.6	3.8	0.0	3.8	26.9	11.5	11.5	7.6	7.6	19.2
HA14068	467.6	554.7	641.9	729.0	816.2	903.4	990.5	1077.7	1164.8	1252.0	3.7	0.0	0.0	7.4	0.0	11.1	25.9	25.9	18.5	7.4
HA14067	263.2	353.4	443.5	533.7	623.8	713.9	804.1	894.2	984.4	1074.5	3.7	3.7	7.4	18.5	18.5	25.9	11.1	7.4	0.0	3.7
HA14068	613.1	679.5	745.8	812.1	878.5	944.8	1011.1	1077.4	1143.8	1210.1	7.1	14.2	7.1	7.1	25.0	10.7	17.8	0.0	3.5	7.1
HA14070	586.9	657.6	728.3	799.0	869.6	940.3	1011.0	1081.7	1152.4	1223.1	12.5	8.3	8.3	20.8	12.5	12.5	8.3	8.3	4.1	4.1
HA14071	372.9	434.1	495.2	556.4	617.6	678.8	740.0	801.1	862.3	923.5	11.1	7.4	7.4	14.8	7.4	18.5	14.8	7.4	0.0	11.1
HA14072	501.9	581.0	660.2	739.4	818.6	897.7	976.9	1056.1	1135.2	1214.4	7.4	3.7	18.5	7.4	14.8	11.1	25.9	3.7	3.7	3.7
HA14074	422.0	492.1	562.3	632.4	702.6	772.7	842.8	913.0	983.1	1053.3	18.5	0.0	3.7	11.1	14.8	18.5	18.5	3.7	3.7	7.4
HA14076	304.2	403.8	503.5	603.2	702.9	802.5	902.2	1001.9	1101.5	1201.2	3.7	0.0	3.7	11.1	14.8	7.4	14.8	25.9	14.8	3.7
HA14077	340.3	424.4	508.4	592.4	676.4	760.5	844.5	928.5	1012.6	1096.6	7.4	3.7	3.7	11.1	14.8	11.1	11.1	11.1	18.5	7.4
HA14078	469.0	542.1	615.3	688.5	761.6	834.8	908.0	981.2	1054.3	1127.5	14.8	22.2	0.0	25.9	14.8	11.1	3.7	3.7	0.0	3.7
HA14080	530.7	593.6	656.5	719.4	782.3	845.3	908.2	971.1	1034.0	1096.9	5.2	5.2	15.7	10.5	15.7	5.2	10.5	15.7	10.5	5.2
HA14081	589.8	680.5	771.3	862.0	952.8	1043.5	1134.3	1225.0	1315.8	1406.5	3.7	0.0	3.7	7.4	14.8	25.9	11.1	18.5	11.1	3.7
HA14082	459.5	550.8	642.1	733.4	824.6	915.9	1007.2	1098.5	1189.8	1281.1	6.6	0.0	0.0	6.6	13.3	13.3	13.3	26.6	6.6	13.3
HA14084	294.7	373.0	451.4	529.8	608.2	686.5	764.9	843.3	921.6	1000.0	7.4	3.7	7.4	11.1	14.8	29.6	11.1	7.4	3.7	3.7
HA14085	629.3	717.0	804.6	892.3	979.9	1067.5	1155.2	1242.8	1330.5	1418.1	4.3	0.0	13.0	17.3	0.0	13.0	21.7	17.3	4.3	8.6
HA14086	385.5	478.3	571.0	663.7	756.5	849.2	941.9	1034.6	1127.4	1220.1	3.7	0.0	3.7	11.1	3.7	22.2	14.8	18.5	14.8	7.4
HA14087	604.9	688.6	772.4	856.1	939.9	1023.7	1107.4	1191.2	1274.9	1358.7	11.1	3.7	7.4	14.8	33.3	11.1	11.1	3.7	0.0	3.7
HA14089	669.0	730.9	792.7	854.6	916.4	978.2	1040.1	1101.9	1163.8	1225.6	3.7	3.7	14.8	7.4	37.0	14.8	7.4	0.0	0.0	11.1
HA14092	307.0	368.2	429.4	490.6	551.8	613.0	674.2	735.4	796.6	857.8	7.6	0.0	0.0	7.6	15.3	7.6	7.6	7.6	15.3	30.7
HA14094	791.2	915.3	1039.5	1163.6	1287.8	1412.0	1536.1	1660.3	1784.4	1908.6	8.6	17.3	17.3	17.3	13.0	13.0	0.0	4.3	4.3	4.3
HA14095	947.6	1021.9	1096.2	1170.5	1244.8	1319.1	1393.4	1467.7	1542.0	1616.3	18.5	7.4	22.2	7.4	18.5	18.5	3.7	0.0	0.0	3.7
HA14097	254.8	314.9	375.0	435.1	495.2	555.3	615.4	675.5	735.6	795.7	8.3	0.0	8.3	8.3	0.0	25.0	8.3	16.6	16.6	8.3
HA14098	315.6	368.2	420.8	473.4	526.0	578.6	631.2	683.8	736.4	789.0	10.5	15.7	21.0	5.2	21.0	0.0	10.5	0.0	5.2	10.5
HA14099	757.5	859.5	961.5	1063.5	1165.5	1267.5	1369.5	1471.5	1573.5	1675.5	7.4	14.8	11.1	25.9	14.8	11.1	3.7	7.4	0.0	3.7

Tabla C.98. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Jalisco.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA14100	457.0	505.9	554.7	603.6	652.4	701.2	750.1	798.9	847.8	896.6	10.5	0.5	21.0	5.2	5.2	10.5	10.5	10.5	10.5	5.2
HA14103	292.7	429.4	566.1	702.8	839.5	976.2	1112.9	1249.6	1386.3	1523.0	9.0	81.8	27.2	13.6	13.6	0.0	0.0	0.0	0.0	4.5
HA14104	414.7	511.2	607.7	704.2	800.7	897.2	993.7	1090.2	1186.7	1283.2	15.7	0.0	10.5	10.5	31.5	15.7	10.5	0.0	0.0	5.2
HA14105	453.8	534.1	614.3	694.6	774.9	855.2	935.5	1015.7	1096.0	1176.3	3.4	3.4	3.4	13.7	13.7	17.2	17.2	6.8	6.8	13.7
HA14106	299.8	355.9	411.9	467.9	523.9	580.0	636.0	692.0	748.1	804.1	7.4	3.7	7.4	22.2	18.5	22.2	3.7	3.7	0.0	11.1
HA14108	318.6	390.3	462.1	533.8	605.6	677.3	749.1	820.8	892.6	964.3	4.5	0.0	9.0	22.7	13.6	22.7	13.6	0.0	4.5	9.0
HA14110	621.4	685.3	749.3	813.2	877.2	941.1	1005.1	1069.0	1133.0	1196.9	8.3	4.1	16.6	4.1	8.3	12.5	0.0	8.3	20.8	16.6
HA14111	496.0	565.0	634.1	703.1	772.2	841.3	910.3	979.4	1048.4	1117.5	3.7	0.0	11.1	3.7	25.9	33.3	3.7	7.4	3.7	7.4
HA14113	234.1	322.8	411.4	500.0	588.7	677.3	765.9	854.5	943.2	1031.8	3.7	0.0	0.0	0.0	3.7	14.8	14.8	22.2	25.9	14.8
HA14114	169.5	239.8	310.0	380.3	450.5	520.7	591.0	661.2	731.5	801.7	3.7	3.7	14.8	7.4	22.2	22.2	3.7	3.7	3.7	14.8
HA14115	620.0	688.1	756.2	824.3	892.5	960.6	1028.7	1096.8	1164.9	1233.0	17.3	0.0	4.3	13.0	30.4	17.3	8.6	4.3	0.0	4.3
HA14116	1071.6	1196.5	1321.4	1446.3	1571.2	1696.1	1821.0	1945.9	2070.8	2195.7	20.0	20.0	10.0	10.0	5.0	10.0	10.0	5.0	5.0	5.0
HA14118	634.2	714.3	794.5	874.6	954.7	1034.8	1114.9	1195.1	1275.2	1355.3	7.4	3.7	18.5	25.9	18.5	11.1	7.4	3.7	0.0	3.7
HA14121	657.3	717.4	777.4	837.5	897.6	957.7	1017.8	1077.8	1137.9	1198.0	4.3	4.3	4.3	4.3	13.0	21.7	17.3	8.6	13.0	8.6
HA14123	266.5	362.1	457.8	553.5	649.2	744.8	840.5	936.2	1031.8	1127.5	9.0	9.0	9.0	13.6	22.7	4.5	9.0	9.0	4.5	9.0
HA14124	686.9	824.1	961.3	1098.5	1235.8	1373.0	1510.2	1647.4	1784.6	1921.8	22.2	0.0	16.6	44.4	0.0	0.0	0.0	5.5	0.0	11.1
HA14125	1112.7	1189.3	1266.0	1342.6	1419.3	1495.9	1572.6	1649.2	1725.9	1802.5	5.5	16.6	16.6	11.1	16.6	5.5	11.1	5.5	5.5	5.5
HA14126	388.9	473.8	558.6	643.4	728.3	813.1	897.9	982.7	1067.6	1152.4	3.7	3.7	14.8	14.8	22.2	14.8	7.4	3.7	3.7	11.1
HA14127	277.4	337.7	398.1	458.5	518.9	579.2	639.6	700.0	760.3	820.7	7.6	0.0	3.8	11.5	15.3	15.3	19.2	11.5	3.8	11.5
HA14128	340.7	413.5	486.2	558.9	631.7	704.4	777.1	849.8	922.6	995.3	10.5	5.2	5.2	5.2	0.0	36.8	15.7	10.5	5.2	5.2
HA14129	313.5	433.4	553.4	673.3	793.3	913.2	1033.2	1153.1	1273.1	1393.0	3.7	0.0	3.7	0.0	7.4	18.5	11.1	7.4	25.9	22.2
HA14130	562.2	642.4	722.6	802.8	883.0	963.1	1043.3	1123.5	1203.7	1283.9	3.8	3.8	7.6	11.5	23.0	26.9	11.5	3.8	3.8	3.8
HA14131	350.5	428.4	506.4	584.3	662.3	740.2	818.2	896.1	974.1	1052.0	3.7	3.7	14.8	3.7	22.2	14.8	25.9	3.7	3.7	3.7
HA14132	625.1	685.7	746.3	806.9	867.5	928.1	988.7	1049.3	1109.9	1170.5	5.0	10.0	0.0	10.0	10.0	25.0	20.0	5.0	5.0	10.0
HA14133	622.5	732.6	842.6	952.6	1062.7	1172.7	1282.7	1392.7	1502.8	1612.8	5.5	5.5	5.5	11.1	11.1	16.6	16.6	5.5	11.1	11.1
HA14134	281.1	369.9	458.8	547.6	636.5	725.4	814.2	903.1	991.9	1080.8	5.2	10.5	0.0	10.5	10.5	26.3	5.2	10.5	10.5	10.5
HA14135	379.0	439.8	500.5	561.3	622.0	682.7	743.5	804.2	865.0	925.7	11.1	0.0	7.4	14.8	7.4	22.2	11.1	11.1	7.4	7.4
HA14136	575.2	638.6	702.0	765.4	828.8	892.3	955.7	1019.1	1082.5	1145.9	3.7	0.0	7.4	7.4	7.4	18.5	22.2	14.8	7.4	11.1
HA14138	607.1	710.8	814.6	918.3	1022.1	1125.9	1229.6	1333.4	1437.1	1540.9	4.1	4.1	8.3	16.6	16.6	16.6	16.6	4.1	4.1	8.3
HA14139	590.5	696.1	801.8	907.2	1012.7	1118.2	1223.8	1329.3	1434.9	1540.4	7.4	22.2	25.9	18.5	11.1	3.7	7.4	0.0	0.0	3.7
HA14141	767.3	830.6	893.9	957.2	1020.6	1083.9	1147.2	1210.5	1273.8	1337.1	7.1	3.5	10.7	0.0	10.7	25.0	25.0	7.1	7.1	3.5
HA14142	622.0	690.6	759.1	827.7	896.3	964.9	1033.5	1102.0	1170.6	1239.2	6.8	3.4	24.1	10.3	17.2	10.3	17.2	0.0	0.0	10.3
HA14143	581.6	638.4	695.2	752.0	808.9	865.7	922.5	979.3	1036.1	1092.9	11.1	3.7	11.1	22.2	18.5	7.4	3.7	7.4	7.4	7.4

Tabla C.98. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Jalisco.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA14144	402.4	466.5	530.6	594.7	658.9	723.0	787.1	851.2	915.3	979.4	11.1	7.4	11.1	11.1	40.7	3.7	3.7	3.7	3.7	3.7
HA14145	349.1	427.6	506.2	584.7	663.3	741.8	820.3	898.9	977.4	1056.0	11.1	3.7	18.5	14.8	18.5	18.5	3.7	3.7	3.7	3.7
HA14147	674.1	757.7	841.2	924.8	1008.3	1091.8	1175.4	1258.9	1342.5	1426.0	14.8	11.1	14.8	22.2	7.4	11.1	11.1	3.7	0.0	3.7
HA14152	432.2	534.7	637.3	739.8	842.4	945.0	1047.5	1150.1	1252.6	1355.2	3.7	3.7	11.1	22.2	25.9	14.8	7.4	0.0	7.4	3.7
HA14153	349.2	418.3	487.4	556.5	625.7	694.8	763.9	833.0	902.1	971.2	3.7	0.0	3.7	7.4	11.1	14.8	29.6	3.7	11.1	14.8
HA14154	448.3	534.4	620.5	706.6	792.8	878.9	965.0	1051.1	1137.2	1223.3	7.4	0.0	14.8	11.1	18.5	14.8	7.4	14.8	7.4	3.7
HA14155	372.1	441.6	511.0	580.4	649.9	719.3	788.7	858.1	927.6	997.0	7.4	0.0	7.4	11.1	18.5	11.1	11.1	14.8	7.4	11.1
HA14156	518.0	578.0	638.1	698.1	758.1	818.1	878.1	938.2	998.2	1058.2	3.7	11.1	0.0	11.1	25.9	25.9	7.4	7.4	0.0	7.4
HA14157	321.4	398.1	474.7	551.3	627.9	704.6	781.2	857.8	934.5	1011.1	7.4	3.7	3.7	18.5	14.8	22.2	3.7	11.1	7.4	7.4
HA14158	507.6	595.8	683.9	772.0	860.2	948.3	1036.4	1124.5	1212.7	1300.8	3.7	3.7	22.2	14.8	14.8	22.2	11.1	0.0	0.0	7.4
HA14159	497.8	575.5	653.2	730.9	808.7	886.4	964.1	1041.8	1119.5	1197.2	11.1	7.4	7.4	0.0	25.9	18.5	18.5	3.7	0.0	7.4
HA14160	559.1	607.2	655.3	703.4	751.5	799.6	847.7	895.8	943.9	992.0	11.1	16.6	5.5	5.5	5.5	5.5	16.6	5.5	0.0	27.7
HA14162	692.5	744.1	795.7	847.3	898.9	950.4	1002.0	1053.6	1105.2	1156.8	4.5	4.5	18.1	18.1	0.0	31.8	0.0	4.5	9.0	9.0
HA14163	236.3	313.3	390.3	467.3	544.3	621.3	698.3	775.3	852.3	929.3	5.2	0.0	0.0	5.2	0.0	0.0	21.0	21.0	31.5	15.7
HA14164	200.3	287.3	374.2	461.2	548.1	635.0	722.0	808.9	895.9	982.8	3.7	0.0	3.7	3.7	3.7	7.4	33.3	22.2	18.5	3.7
HA14165	329.7	400.9	472.2	543.4	614.7	686.0	757.2	828.5	899.7	971.0	7.4	7.4	11.1	3.7	22.2	22.2	7.4	3.7	11.1	3.7
HA14168	353.2	394.3	435.4	476.5	517.6	558.6	599.7	640.8	681.9	723.0	10.0	10.0	3.3	16.6	23.3	0.0	6.6	10.0	6.6	13.3
HA14169	650.9	722.1	793.4	864.6	935.9	1007.1	1078.4	1149.6	1220.9	1292.1	7.1	3.5	10.7	7.1	10.7	14.2	21.4	17.8	3.5	3.5
HA14170	328.5	423.2	518.0	612.7	707.4	802.1	896.8	991.6	1086.3	1181.0	6.8	0.0	0.0	17.2	13.7	17.2	17.2	20.6	0.0	6.8
HA14171	572.0	648.3	724.7	801.0	877.3	953.6	1029.9	1106.3	1182.6	1258.9	5.2	2.0	0.0	10.5	10.5	15.7	10.5	5.2	10.5	10.5
HA14174	478.0	643.2	808.5	973.7	1139.0	1304.2	1469.5	1634.7	1800.0	1965.2	23.8	23.5	19.0	9.5	9.5	4.7	0.0	0.0	0.0	4.7
HA14175	354.1	413.9	473.8	533.6	593.5	653.3	713.2	773.0	832.9	892.7	7.4	7.4	18.5	3.7	3.7	22.2	7.4	11.1	3.7	14.8
HA14177	415.8	471.3	526.9	582.4	637.9	693.5	749.0	804.6	860.1	915.7	4.1	8.3	4.1	16.6	4.1	16.6	16.6	12.5	12.5	4.1
HA14178	765.7	841.9	918.0	994.2	1070.3	1146.4	1222.6	1298.7	1374.9	1451.0	11.1	22.2	14.8	14.8	7.4	11.1	11.1	0.0	3.7	3.7
HA14180	573.2	632.6	692.0	751.4	810.7	870.1	929.5	988.9	1048.3	1107.7	7.4	0.0	14.8	7.4	14.8	22.2	14.8	7.4	3.7	7.4
HA14189	541.5	613.5	685.4	757.3	829.3	901.2	973.1	1045.0	1117.0	1188.9	18.1	0.0	18.1	27.2	9.0	13.6	4.5	0.0	4.5	4.5
HA14191	678.8	838.2	997.5	1156.9	1316.2	1475.5	1634.9	1794.2	1953.6	2112.9	17.2	31.0	31.0	13.7	0.0	3.4	0.0	0.0	0.0	3.4
HA14192	342.3	431.6	520.9	610.2	699.5	788.8	878.1	967.4	1056.7	1146.0	7.1	10.7	10.7	10.7	14.2	14.2	21.4	3.5	0.0	7.1
HA14196	446.1	511.4	576.8	642.1	707.4	772.7	838.0	903.4	968.7	1034.0	8.3	0.0	8.3	8.3	8.3	16.6	25.0	8.3	8.3	8.3
HA14266	351.3	417.4	483.5	549.6	615.8	681.9	748.0	814.1	880.2	946.3	3.7	3.7	3.7	11.1	7.4	25.9	7.4	22.2	7.4	7.4
HA14301	690.4	757.0	823.5	890.1	956.7	1023.3	1089.9	1156.4	1223.0	1289.6	7.6	7.6	23.0	15.3	7.6	30.7	0.0	0.0	0.0	7.6
HA14304	417.1	438.7	460.2	481.8	503.3	524.8	546.4	567.9	589.5	611.0	23.0	15.3	0.0	0.0	23.0	7.6	7.6	15.3	0.0	7.6

Tabla C.98. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Jalisco.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	lluvia disponible	para		
	Per(Saños)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	Hp disp S(mm)	Hp disp S(mm)		
HA14001	2.3	0.4	1.7	1.2	308.1	229.9	181.2	20.0	702.0	3.9	SEVERA	
HA14003	4.5	2.2	1.5	1.2	225.3	209.9	150.1	28.0	379.8	6.8	VASTA	
HA14005	10.0	6.0	3.3	2.6	773.4	946.8	234.3	29.0	567.7	8.1	EXTREMADAMENTE VASTA	
HA14006	4.0	1.4	1.9	1.4	271.9	330.0	143.1	24.0	451.4	4.5	VASTA	
HA14008	4.7	2.3	2.6	1.8	398.0	355.7	153.0	26.0	424.8	4.6	MUY VASTA	
HA14009	4.6	2.9	2.4	1.2	221.9	162.1	92.4	11.0	717.9	4.0	MUY SEVERA	
HA14010	3.7	2.6	1.8	1.4	446.4	208.9	248.0	27.0	669.3	6.7	VASTA	
HA14011	4.6	0.9	3.0	1.4	549.0	217.3	183.0	21.0	667.0	3.4	EXTREMADAMENTE VASTA	
HA14012	4.7	1.2	2.2	1.4	210.3	183.2	95.5	9.0	859.9	5.0	MODERADA	
HA14013	4.6	4.6	2.2	2.3	303.3	423.6	137.8	14.0	788.2	4.6	MUY SEVERA	
HA14015	4.0	1.7	2.3	1.7	506.9	506.6	220.3	23.0	716.7	4.9	MUY VASTA	
HA14016	3.0	1.0	1.2	0.4	167.6	106.0	139.6	16.0	690.8	5.2	SEVERA	
HA14017	3.0	0.5	2.0	1.0	349.1	215.6	174.5	19.0	715.2	3.7	MUY SEVERA	
HA14018	3.8	1.5	1.8	0.9	177.4	145.0	98.5	14.0	560.2	5.7	SEVERA	
HA14019	3.3	0.7	1.7	0.8	181.2	121.2	106.5	16.0	556.8	4.3	SEVERA	
HA14020	3.2	1.1	1.5	1.0	215.0	274.1	143.3	17.0	698.8	5.9	SEVERA	
HA14021	7.3	2.3	3.5	2.0	1472.1	1023.8	420.6	30.0	943.5	4.5	EXTREMADAMENTE VASTA	
HA14023	6.2	2.5	2.2	1.1	370.0	266.4	168.1	29.0	402.8	8.2	MUY VASTA	
HA14024	3.0	0.8	2.5	2.9	459.9	547.1	183.9	14.0	1090.0	4.0	MUY SEVERA	
HA14025	6.0	1.2	2.8	1.3	435.0	332.4	155.3	25.0	458.6	5.1	MUY VASTA	
HA14026	3.2	1.2	1.6	0.9	240.1	265.0	150.0	21.0	535.7	6.2	VASTA	
HA14027	5.0	2.1	2.3	1.4	827.9	947.2	359.9	23.0	1148.4	6.0	MUY VASTA	
HA14028	3.7	1.2	2.0	0.8	351.5	265.1	175.7	22.0	594.7	4.6	MUY VASTA	
HA14031	3.5	1.5	2.1	1.2	215.1	167.1	102.4	13.0	650.8	4.3	MUY SEVERA	
HA14034	3.0	0.5	1.3	0.4	158.0	210.8	121.5	11.0	948.3	4.1	SEVERA	
HA14035	4.1	0.8	2.0	1.0	355.4	266.6	177.6	15.0	909.8	4.6	MUY SEVERA	
HA14036	3.8	1.6	2.0	1.1	471.3	411.2	235.6	14.0	1419.8	7.5	MUY SEVERA	
HA14038	3.8	1.7	2.2	1.0	222.4	161.0	101.0	11.0	752.2	4.2	MUY SEVERA	
HA14040	4.3	1.7	2.1	1.2	314.9	252.6	149.9	16.0	776.1	4.4	MUY SEVERA	
HA14041	5.0	0.0	3.3	3.2	795.1	735.4	240.9	22.0	807.7	6.6	EXTREMADAMENTE VASTA	
HA14042	3.4	1.6	2.0	1.3	370.1	418.8	185.0	24.0	582.5	5.0	MUY VASTA	
AT99A HA14046	3.2	1.6	2.0	1.5	322.3	241.6	161.1	21.0	583.0	5.1	MUY VASTA	
HA14048	4.6	2.4	1.8	1.0	410.4	283.8	228.0	17.0	1066.2	9.3	SEVERA	

Tabla C.99. Características de la sequía promedio de cada estación climatológica del estado de Jalisco.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS	lujva disponible	para		
	Per(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _a	Hp	disp S(mm)		
HA14049	2.8	1.2	2.2	2.7	340.2	503.1	154.6	30.0		349.7	4.2	MUY VASTA
HA14050	3.1	1.0	1.9	1.4	266.7	209.7	140.3	18.0		632.5	5.1	SEVERA
HA14051	4.3	2.6	2.5	2.5	664.6	1028.9	265.8	29.0		630.5	6.1	MUY VASTA
HA14052	4.0	2.0	2.2	2.0	257.1	175.3	116.8	15.0		655.9	3.9	MUY SEVERA
HA14056	4.0	2.6	1.8	1.4	356.8	380.8	198.2	24.0		606.3	6.5	VASTA
HA14057	3.5	1.4	1.7	1.1	316.4	335.2	186.1	22.0		631.4	5.9	VASTA
HA14058	4.5	0.5	2.3	1.8	320.5	285.4	139.3	28.0		349.1	6.7	MUY VASTA
HA14060	3.5	1.3	1.5	0.7	265.7	279.1	177.1	20.0		706.8	5.7	SEVERA
HA14064	4.1	2.7	1.9	2.0	436.3	450.6	229.6	26.0		628.4	5.0	VASTA
HA14066	3.7	1.9	1.6	0.9	205.5	180.6	128.4	13.0		843.9	5.9	SEVERA
HA14067	3.2	1.3	1.5	0.9	204.9	230.1	136.6	22.0		470.8	4.7	VASTA
HA14068	3.3	1.7	1.5	0.9	206.6	127.9	137.7	16.0		708.0	4.9	SEVERA
HA14070	3.8	1.6	1.7	1.7	258.4	268.4	152.0	18.0		667.7	5.3	SEVERA
HA14071	2.8	0.7	2.1	1.7	311.2	314.2	148.1	24.0		457.2	4.4	MUY VASTA
HA14072	3.1	1.6	1.4	0.6	233.7	191.9	166.9	20.0		631.0	4.6	SEVERA
HA14074	3.7	1.6	1.6	1.3	261.0	393.2	163.1	23.0		520.2	5.7	VASTA
HA14076	4.2	1.4	1.8	1.0	432.1	348.3	240.0	29.0		576.1	5.5	VASTA
HA14077	4.1	2.4	1.8	0.8	354.6	241.4	197.0	26.0		536.5	5.0	VASTA
HA14078	4.6	2.1	2.0	1.1	308.5	225.3	154.2	23.0		499.0	3.3	MUY VASTA
HA14080	3.0	1.0	1.4	0.4	186.0	126.1	132.8	16.0		664.1	4.7	SEVERA
HA14081	3.8	1.5	2.0	1.3	278.3	244.4	139.1	13.0		891.7	4.9	MUY SEVERA
HA14082	3.6	0.9	1.7	1.2	303.6	466.0	178.5	18.0		769.0	6.6	SEVERA
HA14084	5.0	1.2	2.0	1.0	285.3	349.9	142.6	23.0		458.5	6.5	MUY VASTA
HA14085	4.2	2.4	1.7	1.1	424.8	424.8	249.8	24.0		780.6	7.5	VASTA
HA14086	4.5	1.4	2.3	1.3	363.2	276.9	157.9	18.0		703.9	4.7	MUY SEVERA
HA14087	3.7	1.9	1.7	0.9	212.3	147.6	124.8	14.0		749.9	5.5	SEVERA
HA14089	3.2	1.2	2.1	1.0	162.4	127.5	77.3	8.0		817.8	4.0	MODERADA
HA14092	3.6	0.9	1.2	0.4	236.7	116.2	197.2	29.0		462.8	7.3	VASTA
HA14094	5.5	1.8	2.4	1.9	531.5	277.9	221.4	19.0		924.2	4.6	MUY SEVERA
HA14095	3.8	1.5	2.0	1.0	274.8	111.9	137.3	12.0		990.1	3.4	MUY SEVERA
HA14097	5.0	0.0	1.6	0.4	259.1	151.7	161.9	29.0		382.9	2.5	VASTA
HA14098	5.0	1.0	3.6	1.2	387.5	191.9	107.6	22.0		368.6	4.7	EXTREMADAMENTE VASTA
HA14099	4.5	2.4	2.6	1.1	390.7	190.9	150.2	14.0		889.5	4.2	MUY SEVERA

Tabla C.99. Características de la sequía promedio de cada estación climatológica del estado de Jalisco.

Estación	Características promedio de la sequía meteorológica											Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad Per(años)	DevStd (años)	PerS DS(años)	Duración (años)	DevStd DS(mm)	Severidad SS(mm)	DevStd SS(mm)	Intensidad IS(mm/año)	% de IS respecto a X _c	H _p disp (mm)	H _p disp S(mm)		
HA14100	4.2	2.7	2.0	2.0	241.5	228.7	120.7	19.0	511.0	4.0	MUY SEVERA		
HA14103	4.0	2.3	3.0	2.0	392.0	289.7	130.6	24.0	392.3	3.6	EXTREMADAMENTE VASTA		
HA14104	3.7	1.2	1.5	1.2	320.7	432.2	213.8	29.0	502.2	5.7	VASTA		
HA14105	3.7	1.8	1.8	1.0	288.9	229.4	160.5	19.0	674.8	5.2	SEVERA		
HA14106	4.7	1.9	2.6	1.4	225.9	224.0	86.8	17.0	417.9	4.1	MUY SEVERA		
HA14108	3.7	1.7	2.1	1.4	230.9	329.2	109.9	18.0	500.1	4.1	MUY SEVERA		
HA14110	2.7	0.6	1.5	0.7	260.3	155.6	173.5	18.0	750.3	4.6	SEVERA		
HA14111	5.7	2.4	2.6	1.6	272.7	244.0	104.8	13.0	687.8	5.3	MUY SEVERA		
HA14113	3.8	1.9	1.5	0.7	239.7	183.7	159.8	20.0	623.2	6.9	SEVERA		
HA14114	5.0	2.1	2.5	2.0	307.7	195.5	123.0	26.0	334.9	4.3	MUY VASTA		
HA14115	3.1	1.3	1.2	0.4	188.1	114.8	156.7	18.0	688.9	6.6	SEVERA		
HA14116	3.0	1.0	1.9	1.4	530.0	492.0	278.9	19.0	1125.1	3.9	SEVERA		
HA14118	3.2	0.8	1.6	0.6	192.6	157.0	120.3	13.0	761.6	4.0	SEVERA		
HA14121	3.1	0.9	1.5	0.5	162.4	109.6	108.2	11.0	843.6	4.2	SEVERA		
HA14123	4.0	2.1	2.1	1.3	388.7	531.2	185.0	29.0	439.2	4.3	MUY VASTA		
HA14124	5.6	1.2	3.0	2.1	599.2	397.2	199.7	19.0	832.9	4.0	EXTREMADAMENTE SEVERA		
HA14125	4.2	2.2	1.9	2.0	309.7	325.6	163.0	11.0	1194.4	4.8	SEVERA		
HA14126	5.0	2.6	2.6	2.4	389.1	499.5	149.6	20.0	570.5	4.3	MUY SEVERA		
HA14127	4.1	2.1	1.5	1.3	219.3	311.6	146.1	26.0	410.6	9.0	VASTA		
HA14128	4.5	1.5	2.3	1.8	441.4	450.1	191.9	29.0	458.5	8.3	MUY VASTA		
HA14129	4.3	2.4	1.7	1.0	440.4	468.0	259.0	24.0	792.2	5.7	VASTA		
HA14130	3.4	1.1	1.5	0.7	190.8	151.1	127.1	14.0	742.5	4.6	SEVERA		
HA14131	5.2	1.7	2.1	1.0	309.0	240.1	147.1	22.0	513.1	4.6	MUY VASTA		
HA14132	3.0	1.4	1.1	0.3	161.9	115.8	147.1	16.0	746.6	7.2	SEVERA		
HA14133	3.0	0.6	1.5	0.7	371.2	286.7	247.4	22.0	860.2	4.9	VASTA		
HA14134	2.5	0.5	2.0	2.0	342.9	426.7	171.4	25.0	511.8	4.9	MUY VASTA		
HA14135	4.1	1.5	1.7	1.0	244.3	214.0	143.7	22.0	489.4	6.0	VASTA		
HA14136	6.2	2.8	2.3	1.9	305.1	213.1	132.6	14.0	764.7	6.2	MUY SEVERA		
HA14138	3.8	1.5	1.7	1.0	339.9	288.6	199.9	19.0	819.1	4.8	SEVERA		
HA14139	4.1	1.3	2.1	1.3	333.8	227.5	158.9	19.0	654.5	3.6	MUY SEVERA		
HA14141	4.0	1.5	2.0	0.7	227.8	148.4	113.9	10.0	927.8	5.3	MODERADA		
HA14142	4.1	1.6	2.1	1.1	288.1	157.5	137.1	15.0	720.0	4.5	MUY SEVERA		
HA14143	4.0	1.6	2.4	1.1	227.4	174.9	94.7	12.0	689.6	4.3	MUY SEVERA		

Tabla C.99. Características de la sequía promedio de cada estación climatológica del estado de Jalisco.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	Lluvia disponible			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	Hp disp S(mm)	Hp disp S(mm)		
HA14144	4.5	1.4	1.8	1.2	248.5	255.5	138.0	23.0	459.5	6.9	VASTA	
HA14145	3.5	1.6	1.6	0.9	240.5	281.3	150.3	25.0	448.1	4.8	VASTA	
HA14147	4.1	2.4	2.1	1.7	302.7	326.1	144.1	15.0	757.3	4.2	MUY SEVERA	
HA14152	3.7	1.1	2.0	1.2	268.2	200.5	134.1	16.0	656.8	4.4	MUY SEVERA	
HA14153	5.0	1.6	1.8	0.6	285.3	126.7	158.5	22.0	550.0	6.6	VASTA	
HA14154	6.2	4.0	2.8	3.1	440.5	609.8	157.3	19.0	631.2	4.7	MUY SEVERA	
HA14155	4.7	2.1	3.0	2.1	392.4	250.4	130.8	19.0	555.0	4.4	EXTREMADAMENTE SEVERA	
HA14156	3.7	1.2	1.7	0.6	162.7	120.8	95.7	12.0	654.9	4.8	SEVERA	
HA14157	5.2	2.7	2.1	2.6	341.4	267.7	162.5	25.0	479.4	5.7	MUY VASTA	
HA14158	4.2	0.9	2.1	0.6	329.4	196.8	156.8	19.0	663.1	4.2	MUY SEVERA	
HA14159	3.7	1.4	1.6	0.9	257.3	411.0	160.8	20.0	625.7	5.4	SEVERA	
HA14160	3.2	1.0	1.5	0.4	258.3	155.5	172.1	22.0	594.6	4.4	VASTA	
HA14162	4.0	1.8	1.6	0.9	188.2	57.1	117.6	13.0	774.2	6.9	SEVERA	
HA14163	3.6	0.4	1.3	0.4	200.3	190.7	154.0	21.0	569.5	7.2	VASTA	
HA14164	3.6	1.0	1.6	1.1	268.5	308.0	167.8	24.0	516.7	7.2	VASTA	
HA14165	4.5	1.5	2.1	1.1	366.0	225.3	174.2	28.0	427.4	7.3	MUY VASTA	
HA14168	5.0	3.5	3.1	1.5	247.4	152.4	79.8	15.0	436.8	3.7	EXTREMADAMENTE SEVERA	
HA14169	5.4	1.7	2.0	1.4	331.0	100.2	165.5	17.0	784.6	4.6	MUY SEVERA	
HA14170	3.7	2.0	1.7	1.0	290.6	217.9	170.9	22.0	580.0	5.2	VASTA	
HA14171	4.2	1.7	1.7	0.9	343.3	339.1	201.9	22.0	683.1	5.7	VASTA	
HA14174	4.0	1.2	2.1	1.3	453.1	342.4	215.7	29.0	523.1	3.8	MUY VASTA	
HA14175	3.6	1.3	2.1	1.4	329.9	271.9	157.0	26.0	444.7	5.2	MUY VASTA	
HA14177	3.5	1.1	1.4	0.7	201.2	149.9	143.7	21.0	521.0	5.3	VASTA	
HA14178	3.1	1.3	1.8	1.0	260.6	217.6	144.7	15.0	814.9	3.8	SEVERA	
HA14180	2.8	0.8	1.3	0.4	148.1	107.1	113.9	13.0	706.4	5.2	SEVERA	
HA14189	3.0	0.5	2.0	0.9	204.4	141.2	102.1	13.0	638.6	5.2	MUY SEVERA	
HA14191	5.2	2.1	2.8	1.3	450.2	279.4	160.7	17.0	732.7	4.0	MUY SEVERA	
HA14192	3.5	0.9	1.6	0.6	309.5	240.0	193.4	28.0	474.6	3.7	VASTA	
HA14196	4.0	0.5	1.3	0.4	252.0	82.7	193.8	25.0	555.1	9.6	VASTA	
HA14266	4.3	1.7	2.0	0.9	244.2	308.3	122.0	18.0	544.6	4.8	MUY SEVERA	
HA14301	2.6	0.4	1.7	0.8	190.4	98.1	112.0	12.0	779.3	6.7	SEVERA	
HA14304	4.0	2.0	1.6	0.9	123.9	71.4	77.4	16.0	406.1	7.2	SEVERA	

Tabla C.99. Características de la sequía promedio de cada estación climatológica del estado de Jalisco.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I^*	Intensidad	Duración / máx	% de $I / máx$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I^*(a\acute{o}s/a\acute{o})$	respecto a X_c	$I_{m\acute{a}x}(a\acute{o}s/a\acute{o})$	$D_{m\acute{a}x}(a\acute{o}s)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA14001	704.4	4.0	176.1	19.0	195.6	1.0	22.0	75.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14003	569.6	4.0	142.4	26.0	366.6	1.0	69.0	80.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14005	2111.7	7.0	301.6	37.0	301.6	7.0	37.0	33.3	33.3	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0
HA14006	1064.3	5.0	212.8	35.0	212.8	5.0	35.0	57.1	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA14008	1001.1	6.0	166.8	28.0	268.2	2.0	46.0	40.0	20.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA14009	506.4	5.0	101.2	12.0	166.3	2.0	20.0	28.5	28.5	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA14010	783.7	5.0	156.7	17.0	669.3	1.0	72.0	66.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA14011	847.1	3.0	282.3	33.0	282.3	3.0	33.0	25.0	0.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA14012	568.2	4.0	142.0	14.0	176.9	1.0	18.0	60.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14013	1329.1	8.0	166.1	17.0	209.5	1.0	22.0	57.1	28.5	0.0	0.0	0.0	0.0	0.0	14.2	0.0	0.0
HA14015	1357.2	3.0	452.4	48.0	452.4	3.0	48.0	50.0	16.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA14016	379.9	2.0	189.9	22.0	218.9	1.0	26.0	71.4	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14017	766.9	3.0	255.6	28.0	256.6	2.0	28.0	37.5	37.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA14018	444.3	4.0	111.0	16.0	338.6	1.0	51.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA14019	352.8	1.0	352.8	53.0	352.8	1.0	53.0	57.1	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14020	910.8	4.0	227.7	27.0	271.0	1.0	32.0	75.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA14021	3011.2	7.0	430.1	31.0	541.1	2.0	39.0	0.0	50.0	25.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0
HA14023	794.4	3.0	264.8	46.0	264.8	3.0	46.0	40.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14024	1643.2	9.0	182.5	14.0	277.7	1.0	21.0	66.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0
HA14025	1059.9	5.0	211.9	34.0	228.9	1.0	37.0	20.0	20.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA14026	845.1	4.0	211.2	30.0	245.0	2.0	35.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA14027	2669.7	5.0	533.9	35.0	533.9	5.0	35.0	40.0	20.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA14028	914.2	4.0	228.5	29.0	295.6	2.0	38.0	25.0	62.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA14031	585.2	5.0	117.0	15.0	152.8	2.0	20.0	37.5	37.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
HA14034	624.5	2.0	312.2	30.0	312.2	2.0	30.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14035	798.8	4.0	199.7	17.0	238.6	3.0	20.0	42.8	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA14036	1162.3	3.0	387.4	23.0	387.4	3.0	23.0	57.1	0.0	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA14038	587.2	4.0	146.8	17.0	146.8	4.0	17.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA14040	712.8	4.0	178.2	19.0	298.4	1.0	32.0	42.8	28.5	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
HA14041	1810.9	8.0	226.3	21.0	480.3	1.0	45.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0
HA14042	1369.6	5.0	273.9	35.0	273.9	5.0	35.0	50.0	25.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
HA14046	729.5	5.0	145.9	19.0	314.4	1.0	42.0	60.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA14048	738.5	4.0	184.6	14.0	350.4	2.0	27.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.100. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Jalisco.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones											
	Severidad		Duración		Intensidad		% de I ^{máx}	Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones											
	S máx(mm)	D máx(años)	I ^{máx} (mm/año)	% de I ^{máx} respecto a X _e	I máx(mm/año)	D I máx(años)		% de I máx respecto a X _e	1 año (%)	2 años (%)	3 años (%)	4 años (%)	5 años (%)	6 años (%)	7 años (%)	8 años (%)	9 años (%)	10 años (%)	
HA14049	1534.7	9.0	170.5	33.0	359.4	1.0	71.0	71.4	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2	0.0
HA14050	661.7	3.0	220.5	28.0	316.0	1.0	40.0	57.1	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14051	2445.7	7.0	349.3	38.0	349.3	7.0	38.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
HA14052	516.1	7.0	73.7	9.0	221.7	1.0	28.0	57.1	14.2	14.2	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA14056	1129.9	5.0	225.9	28.0	264.9	2.0	32.0	66.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14057	935.4	3.0	311.8	38.0	311.8	3.0	38.0	71.4	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14058	721.4	5.0	144.2	29.0	160.5	1.0	32.0	66.6	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14060	961.1	2.0	480.5	54.0	480.5	2.0	54.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14064	1182.3	7.0	168.9	19.0	556.3	2.0	64.0	71.4	14.2	0.0	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA14066	596.8	2.0	298.4	30.0	300.9	1.0	30.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14067	805.0	4.0	201.2	33.0	290.3	1.0	47.0	66.6	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14068	492.7	4.0	123.1	14.0	253.7	1.0	29.0	66.6	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14070	870.9	6.0	145.1	17.0	303.5	1.0	37.0	85.7	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA14071	985.8	6.0	164.3	27.0	250.8	1.0	41.0	50.0	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA14072	530.1	2.0	265.0	33.0	265.0	2.0	33.0	66.6	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14074	1266.5	5.0	253.3	37.0	315.6	1.0	46.0	75.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14076	1102.8	4.0	275.7	33.0	291.4	1.0	35.0	50.0	33.3	0.0	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14077	623.4	3.0	207.8	28.0	412.0	1.0	56.0	42.8	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14078	759.9	4.0	189.9	29.0	223.2	1.0	34.0	50.0	16.6	16.6	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14080	382.6	2.0	191.3	24.0	191.3	2.0	24.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14081	748.6	2.0	374.3	36.0	374.3	2.0	36.0	57.1	14.2	0.0	23.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14082	1110.7	4.0	277.6	29.0	277.6	4.0	29.0	75.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14084	1039.4	4.0	259.8	43.0	259.8	4.0	43.0	33.3	50.0	0.0	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14085	1206.5	4.0	301.6	29.0	301.6	4.0	29.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14086	774.7	5.0	154.9	17.0	289.5	2.0	33.0	33.3	33.3	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14087	409.0	2.0	204.5	23.0	353.6	1.0	40.0	50.0	37.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14089	456.2	3.0	152.0	16.0	218.1	1.0	24.0	37.5	25.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14092	414.2	1.0	414.2	62.0	414.2	1.0	62.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14094	1014.7	6.0	169.1	14.0	478.6	1.0	41.0	60.0	0.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14095	397.6	4.0	99.4	8.0	254.1	1.0	22.0	42.8	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14097	397.5	2.0	198.7	36.0	198.7	2.0	36.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14098	547.5	4.0	136.8	28.0	136.8	4.0	28.0	0.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14099	724.6	4.0	181.1	17.0	267.7	1.0	25.0	16.6	33.3	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.100. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Jalisco.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años	
	S máx(mm)	D máx(años)	I (mm/año)	respecto a X_0	I máx(mm/año)	D máx(años)	respecto a X_0	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
HA14100	691.3	6.0	115.2	18.0	178.1	1.0	28.0	80.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA14103	734.6	6.0	122.4	23.0	367.4	1.0	70.0	40.0	20.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA14104	1177.4	4.0	294.3	41.0	294.3	4.0	41.0	80.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14105	769.6	3.0	256.5	30.0	335.9	1.0	40.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14106	680.2	5.0	136.0	26.0	136.0	5.0	26.0	33.3	16.6	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA14108	957.8	5.0	191.5	31.0	191.5	5.0	31.0	50.0	16.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA14110	585.3	3.0	195.1	21.0	366.4	1.0	39.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14111	724.8	5.0	144.9	18.0	144.9	5.0	18.0	40.0	20.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14113	676.7	2.0	338.3	43.0	338.3	2.0	43.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14114	696.1	7.0	99.4	21.0	203.5	1.0	44.0	33.3	50.0	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA14115	328.9	2.0	164.4	19.0	293.7	1.0	34.0	71.4	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14116	1530.8	5.0	306.1	21.0	380.3	2.0	27.0	50.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA14118	441.6	2.0	220.8	25.0	220.8	2.0	25.0	44.4	44.4	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14121	364.0	2.0	182.0	19.0	288.3	1.0	30.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14123	1551.0	5.0	310.2	49.0	310.2	5.0	49.0	33.3	50.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA14124	1125.4	6.0	187.5	18.0	420.2	1.0	40.0	50.0	0.0	0.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA14125	926.9	6.0	154.4	11.0	325.4	1.0	23.0	80.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA14126	1497.5	8.0	187.1	25.0	187.1	8.0	25.0	50.0	16.6	16.6	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0
HA14127	973.5	5.0	194.7	34.0	194.7	5.0	34.0	85.7	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA14128	1063.5	5.0	212.7	32.0	247.3	1.0	38.0	66.6	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA14129	1455.6	2.0	727.8	69.0	727.8	2.0	69.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14130	537.1	3.0	179.0	20.0	179.0	3.0	20.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14131	707.0	4.0	176.7	26.0	219.9	2.0	33.0	33.3	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14132	329.2	1.0	329.2	36.0	329.2	1.0	36.0	85.7	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14133	855.3	2.0	427.6	38.0	427.6	2.0	38.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14134	1171.2	6.0	195.2	28.0	317.7	1.0	46.0	80.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA14135	721.8	4.0	180.4	28.0	307.7	1.0	48.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14136	563.2	6.0	93.8	10.0	199.3	1.0	22.0	60.0	0.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA14138	977.6	4.0	244.4	23.0	404.0	1.0	39.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14139	770.0	5.0	154.0	18.0	330.4	1.0	40.0	42.8	28.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA14141	488.6	2.0	244.3	23.0	337.7	1.0	32.0	28.5	42.8	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14142	532.2	3.0	177.4	20.0	311.7	1.0	36.0	42.8	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14143	485.6	4.0	121.4	15.0	131.5	2.0	16.0	28.5	28.5	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.100. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Jalisco.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA14144	782.8	4.0	195.7	32.0	195.7	4.0	32.0	66.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA14145	950.7	4.0	237.6	39.0	237.6	4.0	39.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA14147	1089.4	6.0	181.5	20.0	228.4	1.0	25.0	57.1	14.2	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA14152	617.9	4.0	154.4	19.0	299.3	1.0	37.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14153	447.6	2.0	223.8	31.0	273.9	1.0	38.0	33.3	50.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14154	1655.3	9.0	183.9	23.0	216.3	1.0	27.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0
HA14155	725.7	7.0	103.6	15.0	183.1	3.0	26.0	40.0	0.0	40.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
HA14156	356.9	2.0	178.4	23.0	188.4	1.0	25.0	37.5	50.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14157	896.0	8.0	112.0	17.0	397.1	1.0	61.0	83.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0
HA14158	749.4	3.0	249.8	30.0	249.8	3.0	30.0	16.6	50.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14159	1321.1	4.0	330.2	41.0	330.2	4.0	41.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA14160	425.4	2.0	212.7	27.0	212.7	2.0	27.0	40.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14162	250.9	1.0	250.9	28.0	250.9	1.0	28.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14163	564.2	1.0	564.2	77.0	564.2	1.0	77.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14164	808.2	4.0	202.0	29.0	571.1	1.0	83.0	66.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA14165	794.1	4.0	198.5	32.0	343.2	1.0	57.0	40.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14168	510.1	6.0	85.0	16.0	160.6	1.0	31.0	16.6	16.6	33.3	16.6	0.0	16.6	0.0	0.0	0.0	0.0
HA14169	473.7	2.0	236.8	24.0	370.7	1.0	39.0	50.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA14170	618.4	4.0	154.6	20.0	527.1	1.0	69.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA14171	939.4	3.0	313.1	35.0	313.1	3.0	35.0	60.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14174	908.1	4.0	227.0	30.0	408.4	1.0	55.0	50.0	16.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA14175	751.2	3.0	250.4	41.0	250.4	3.0	41.0	50.0	16.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA14177	491.8	3.0	163.9	24.0	304.6	1.0	45.0	71.4	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14178	769.9	4.0	192.4	20.0	250.0	1.0	26.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA14180	317.3	2.0	158.6	19.0	257.8	1.0	31.0	70.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14189	456.7	4.0	114.1	15.0	215.8	1.0	29.0	28.5	57.1	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA14191	994.6	5.0	198.9	22.0	205.0	2.0	22.0	16.6	33.3	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0
HA14192	705.1	3.0	235.0	35.0	303.5	2.0	45.0	50.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14196	368.1	1.0	368.1	49.0	368.1	1.0	49.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14266	968.2	4.0	242.0	36.0	242.0	4.0	36.0	28.5	57.1	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA14301	327.7	2.0	163.8	18.0	165.7	1.0	18.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA14304	224.3	3.0	74.7	15.0	83.9	1.0	17.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.100. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Jalisco.

Municipio	Estadísticos de la lluvia promedio municipal					Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)		lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para	
	X _p (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p min(mm)	H _p min	
Acatic	883.3	883.0	233.3	0.2	3.7	0.26	887.0	679.0	614.0	510.0	329.0	190.0	13.4	493.9	21.7
Acatlán de Juárez	783.0	806.4	176.9	-1.8	9.2	0.23	812.0	668.0	572.0	480.0	352.0	272.0	134.4	145.5	267.7
Ahualulco de Mercado	901.4	928.4	163.1	-0.8	3.8	0.18	934.0	729.0	651.0	598.0	529.0	472.0	29.6	501.9	70.1
Amacueca	620.9	608.5	135.3	0.2	2.8	0.22	606.0	508.0	452.0	400.0	333.0	282.0	8.9	411.8	17.1
Amatitán	909.8	926.9	151.5	-0.4	4.1	0.17	925.0	793.0	707.0	625.0	519.0	439.0	28.9	511.8	53.1
Ameca	810.4	807.8	135.8	0.4	4.5	0.17	792.0	695.0	623.0	539.0	412.0	310.0	13.1	525.0	22.3
San Juanito de Escobedo	923.8	928.3	200.0	-0.3	2.3	0.22	930.0	740.0	655.0	578.0	480.0	408.0	13.4	557.4	24.1
Arandas	894.2	896.3	182.8	0.3	4.1	0.20	876.0	733.0	635.0	530.0	378.0	254.0	12.4	518.0	21.6
Arenal	924.7	930.3	127.7	0.0	3.9	0.14	928.0	831.0	767.0	704.0	621.0	556.0	22.9	634.0	43.4
Atamajac de Brizuela	712.5	708.0	138.5	-0.2	3.6	0.19	706.0	610.0	552.0	497.0	427.0	375.0	36.0	393.0	78.4
Atengo	860.7	880.0	166.5	-0.5	3.7	0.19	879.0	735.0	641.0	552.0	486.0	349.0	22.6	463.9	40.0
Atenguillo	1052.3	1052.5	221.3	-0.2	2.3	0.21	1059.0	850.0	747.0	653.0	584.0	446.0	10.6	667.1	18.0
Atotonilco el Alto	860.3	830.3	207.8	-0.1	3.4	0.24	840.0	704.0	626.0	552.0	453.0	376.0	45.4	379.3	96.9
Atoyac	620.9	608.5	135.3	0.2	2.8	0.22	606.0	508.0	452.0	400.0	333.0	282.0	8.9	411.8	17.1
Autlán de Navarro	843.2	868.9	175.1	-0.1	3.7	0.21	855.0	713.0	612.0	505.0	350.0	222.0	10.9	526.6	17.5
Ayotlán	832.2	834.8	172.2	-0.1	3.4	0.21	834.0	705.0	624.0	548.0	450.0	377.0	29.1	433.4	58.5
Ayutla	817.7	774.2	191.3	0.7	3.9	0.23	766.0	658.0	588.0	509.0	374.0	254.0	15.0	466.9	27.3
Barca, La	860.3	830.3	207.8	-0.1	3.4	0.24	840.0	704.0	626.0	552.0	453.0	376.0	45.4	379.3	96.9
Bolaños	627.8	637.2	143.9	-0.3	3.3	0.23	641.0	516.0	432.0	350.0	241.0	157.0	12.5	348.3	20.3
Cabo Corrientes	1166.0	1088.4	235.4	0.6	3.1	0.20	1093.0	983.0	920.0	860.0	781.0	719.0	33.2	722.8	95.7
Casimiro Castillo	1132.4	1168.4	234.2	-1.1	6.7	0.21	1173.0	1010.0	886.0	743.0	594.0	288.0	47.3	397.5	71.0
Cihuatlán	933.5	954.3	244.2	-0.7	5.7	0.26	961.0	767.0	628.0	482.0	255.0	79.0	37.6	208.8	62.2
Zapotlán el Grande	1361.5	1332.3	215.0	0.6	3.4	0.16	1318.0	1194.0	1122.0	1052.0	959.0	885.0	10.9	1036.0	23.5
Cocula	837.1	849.2	137.1	0.6	4.6	0.16	847.0	734.0	659.0	588.0	495.0	426.0	8.4	617.4	14.9
Colotlán	638.2	649.8	131.1	-0.1	3.1	0.21	643.0	531.0	462.0	395.0	308.0	243.0	16.5	359.4	29.1
Concepción de Buenos Aires	760.3	780.5	145.8	-0.2	2.7	0.19	784.0	616.0	573.0	532.0	474.0	422.0	27.9	459.8	61.1
Cuautitlán de Gracia Barragán	1655.4	1648.0	299.1	-0.4	4.0	0.18	1643.0	1456.0	1392.0	1304.0	1123.0	967.0	89.7	860.4	160.0
Cuautla	1105.5	1116.6	228.0	-0.1	2.9	0.21	1127.0	951.0	836.0	724.0	573.0	457.0	17.0	666.2	28.5
Cuquío	820.5	853.7	138.9	-0.2	5.1	0.17	832.0	726.0	653.0	581.0	481.0	399.0	18.8	523.8	34.1
Chapala	892.8	886.9	181.8	0.5	4.4	0.20	868.0	748.0	660.0	559.0	398.0	265.0	14.1	526.0	24.4
Chimaltitán	627.8	637.2	143.9	-0.3	3.3	0.23	641.0	516.0	432.0	350.0	241.0	157.0	12.5	348.3	20.3

Tabla C.101. Características estadísticas de la lluvia anual de cada municipio del estado de Jalisco.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)		Lluvia mínima	
	Media	Mediana	Desv. Std.	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	Tr(años)	
	X _p (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p mín.(mm)	H _p mín	
Chiquilistlán	708.0	706.4	187.2	0.2	3.5	0.26	704.0	559.0	457.0	351.0	199.0	76.0	9.2	395.8	15.0	
Degollado	832.2	834.8	172.2	-0.1	3.4	0.21	834.0	705.0	624.0	548.0	450.0	377.0	29.1	433.4	58.5	
Ejutla	708.0	706.4	187.2	0.2	3.5	0.26	704.0	559.0	457.0	351.0	199.0	76.0	9.2	395.8	15.0	
Encarnación de Díaz	562.0	554.6	162.7	0.6	4.5	0.29	541.0	446.0	380.0	308.0	195.0	94.0	16.3	255.6	31.4	
Etzatlán	854.8	896.2	158.9	-0.6	3.2	0.19	737.9	597.4	504.4	415.2	299.8	213.3	7.7	476.4	12.4	
Grullo, El	843.2	868.9	175.1	-0.1	3.7	0.21	855.0	713.0	612.0	505.0	350.0	222.0	10.9	526.6	17.5	
Guachinango	948.8	958.6	177.9	-0.2	2.7	0.19	956.0	777.0	719.0	652.0	540.0	446.0	23.0	567.2	40.6	
Guadalaajara	960.9	971.6	147.6	-1.1	6.5	0.15	981.0	874.0	796.0	715.0	602.0	512.0	68.6	488.8	119.6	
Hostotipaquillo	873.3	848.7	156.8	0.0	2.7	0.18	870.0	727.0	653.0	584.0	497.0	431.0	10.5	588.5	19.2	
Huejúcar	604.7	630.8	143.8	0.1	3.4	0.24	604.0	495.0	426.0	361.0	275.0	210.0	16.2	320.0	30.8	
Huejuquilla el Alto	571.7	538.3	138.9	0.6	3.4	0.24	527.0	458.0	419.0	380.0	322.0	270.0	17.8	327.8	45.7	
Huerta, La	907.0	902.5	225.7	0.1	3.4	0.25	896.0	713.0	600.0	488.0	335.0	213.0	11.4	485.9	20.3	
Ixtlahuacán de los Membrillos	816.9	781.1	167.7	0.3	3.4	0.21	794.0	672.0	598.0	522.0	412.0	320.0	10.2	527.1	19.1	
Ixtlahuacán del Rio	912.6	930.2	157.6	-0.7	5.6	0.17	933.0	832.0	745.0	631.0	438.0	283.0	29.1	480.0	41.4	
Jalostotitlán	661.6	668.1	162.3	-0.2	3.5	0.25	665.0	537.0	456.0	379.0	281.0	207.0	22.4	299.5	42.0	
Jamay	860.3	830.3	207.8	-0.1	3.4	0.24	840.0	704.0	626.0	552.0	453.0	376.0	45.4	379.3	96.9	
Jesús María	816.2	855.5	233.0	-0.7	3.7	0.29	859.0	596.0	466.0	353.0	214.0	112.0	27.5	204.5	53.3	
Jilolián de los Dolores	999.4	1022.1	168.7	0.0	3.4	0.17	1000.0	877.0	800.0	726.0	631.0	560.0	21.7	648.3	42.4	
Jocotepec	765.8	820.7	162.3	-0.1	2.5	0.21	796.0	551.0	526.0	502.0	415.0	329.0	5.1	492.7	23.6	
Juanacatlán	842.9	848.9	179.3	1.0	5.8	0.21	830.0	702.0	612.0	517.0	370.0	237.0	7.2	572.7	13.4	
Juchitán	708.0	706.4	187.2	0.2	3.5	0.26	704.0	559.0	457.0	351.0	199.0	76.0	9.2	395.8	15.0	
Lagos de Moreno	553.0	554.6	144.4	-0.2	3.8	0.26	555.0	449.0	382.0	317.0	235.0	173.0	26.8	230.1	52.6	
Limón, El	708.0	706.4	187.2	0.2	3.5	0.26	704.0	559.0	457.0	351.0	199.0	76.0	9.2	395.8	15.0	
Magdalena	909.1	948.1	141.2	-0.6	3.4	0.16	943.0	776.0	724.0	679.0	624.0	583.0	67.5	548.4	180.2	
Santa María del Oro	999.4	1022.1	168.7	0.0	3.4	0.17	1000.0	877.0	800.0	726.0	631.0	560.0	21.7	648.3	42.4	
Manzanilla de la Paz, La	760.3	780.5	145.8	-0.2	2.7	0.19	784.0	616.0	573.0	532.0	474.0	422.0	27.9	459.8	61.1	
Mascota	1063.6	1096.8	194.1	0.3	3.1	0.18	1060.0	868.0	801.0	727.0	600.0	487.0	8.0	745.3	17.0	
Mazamitla	932.2	921.3	165.5	0.6	3.2	0.18	905.0	802.0	739.0	680.0	603.0	545.0	10.9	665.8	23.5	
Mexicacán	631.2	628.2	192.1	1.0	5.4	0.30	612.0	491.0	410.0	328.0	207.0	102.0	8.3	345.6	17.3	
Mezquitic	683.3	666.9	235.5	-0.3	3.5	0.34	669.0	509.0	416.0	329.0	217.0	134.0	29.5	192.2	61.6	
Mixtlán	862.3	881.5	174.3	-0.4	3.5	0.20	882.0	736.0	641.0	551.0	435.0	347.0	24.1	456.6	42.0	

Tabla C.101. Características estadísticas de la lluvia anual de cada municipio del estado de Jalisco.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)		
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	lluvia mínima	Tr(años)
	X _o (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p mín(mm)	H _p mín
Ocotlán	790.6	767.4	148.3	0.5	4.0	0.19	782.0	665.0	578.0	483.0	340.0	219.0	9.5	521.5	15.3
Ojuelos de Jalisco	522.6	476.9	269.9	2.5	13.0	0.52	515.0	405.0	320.0	207.0	0.0	0.0	10.7	175.4	23.2
Pihuamo	926.7	926.8	183.7	-0.6	4.3	0.20	926.0	781.0	705.0	622.0	497.0	395.0	45.6	426.9	80.7
Poncitlán	770.3	760.7	137.1	0.6	4.6	0.18	755.0	658.0	579.0	484.0	300.0	203.0	14.0	472.3	21.6
Puerto Vallarta	1166.0	1088.4	235.4	0.6	3.1	0.20	1093.0	983.0	920.0	860.0	711.0	719.0	33.2	722.8	96.7
Villa Purificación	627.3	588.5	128.8	0.4	3.3	0.21	595.0	528.0	490.0	442.0	355.0	279.0	21.6	381.4	38.9
Quitupan	995.6	997.5	247.9	0.4	4.6	0.25	1012.0	901.0	735.0	496.0	187.0	0.0	13.3	525.4	18.4
Salto, El	862.5	837.8	174.5	0.8	5.8	0.20	852.0	729.0	641.0	545.0	306.0	262.0	10.6	549.2	19.5
San Cristobal de la Barranca	853.3	818.3	156.6	0.5	5.1	0.18	816.0	738.0	660.0	544.0	376.0	251.0	18.4	480.0	28.4
San Diego de Alejandria	746.2	708.4	215.1	0.0	2.9	0.29	722.0	573.0	488.0	409.0	307.0	232.0	23.6	305.5	50.9
San Juan de los Lagos	657.3	660.0	185.4	0.3	3.5	0.28	639.0	513.0	420.0	317.0	161.0	34.0	14.0	296.4	22.7
San Julián	641.8	622.5	209.6	0.0	3.2	0.33	655.0	521.0	435.0	353.0	248.0	169.0	23.5	259.1	45.2
San Marcos	850.7	854.2	138.6	0.0	3.6	0.16	748.8	626.3	545.2	467.4	366.7	291.3	5.4	555.0	9.2
San Martín de Bolaños	692.7	714.0	175.1	-0.8	5.0	0.25	700.0	563.0	476.0	393.0	266.0	205.0	58.8	182.5	121.9
San Martín Hidalgo	837.1	849.2	137.1	0.6	4.6	0.16	847.0	734.0	659.0	588.0	495.0	426.0	8.4	617.4	14.9
San Miguel el Alto	723.4	762.0	165.3	-0.3	3.0	0.23	764.0	555.0	493.0	439.0	366.0	305.0	25.2	357.6	55.3
Gómez Farías	1361.5	1332.3	215.0	0.6	3.4	0.16	1318.0	1194.0	1122.0	1052.0	999.0	885.0	10.9	1036.0	23.5
San Sebastián del Oeste	1057.6	1029.3	162.7	0.3	2.4	0.15	1018.0	922.0	869.0	820.0	757.0	711.0	14.6	787.5	32.0
Santa María de los Angeles	615.4	626.7	127.8	-0.1	3.4	0.21	612.0	490.0	427.0	365.0	281.0	214.0	15.5	331.8	29.0
Sayula	753.3	725.8	168.7	0.2	3.7	0.22	722.0	638.0	579.0	511.0	394.0	289.0	36.7	365.1	61.0
Tala	947.6	986.8	223.0	-1.1	6.5	0.24	964.0	809.0	710.0	616.0	494.0	403.0	65.1	368.2	130.5
Talpa de Allende	1220.7	1225.7	208.2	-0.3	3.1	0.17	1067.6	883.5	761.7	644.8	493.5	380.2	7.4	733.6	11.8
Tamazula de Gordiano	1042.7	1060.8	155.0	-0.8	4.9	0.15	1058.0	937.0	859.0	784.0	687.0	614.0	43.6	629.6	85.9
Tapalpa	817.5	799.6	157.3	0.4	3.4	0.19	790.0	686.0	619.0	551.0	455.0	375.0	13.6	526.0	25.6
Tecalitlán	911.8	912.9	159.3	0.0	4.0	0.17	917.0	787.0	695.0	598.0	460.0	345.0	17.9	543.1	29.2
Tecolotlán	815.0	786.6	144.5	0.6	4.0	0.18	783.0	704.0	655.0	609.0	548.0	502.0	25.1	530.8	64.8
Techaluta de Montenegro	926.1	902.0	183.9	0.1	3.0	0.20	907.0	780.0	704.0	634.0	543.0	476.0	22.9	547.5	47.9
Tenamaxtlán	708.0	706.4	187.2	0.2	3.5	0.26	704.0	559.0	457.0	351.0	199.0	76.0	9.2	395.8	15.0
Teocaltiche	603.4	595.6	169.8	0.6	4.7	0.28	597.0	489.0	420.0	353.0	257.0	202.0	20.5	272.3	47.4
Teocuitatlán de Corona	838.4	819.1	161.1	-0.1	4.4	0.19	845.0	725.0	647.0	572.0	476.0	404.0	25.8	470.6	52.8
Tepatitlán de Morelos	876.3	867.5	170.1	0.9	4.8	0.19	818.0	731.0	651.0	521.0	342.0	209.0	7.1	623.3	11.7

Tabla C.101. Características estadísticas de la lluvia anual de cada municipio del estado de Jalisco.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes períodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _c (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p mín(mm)	H _p mín
Tequila	880.9	869.0	162.2	-0.2	3.2	0.18	872.0	755.0	686.0	621.0	537.0	475.0	25.4	534.7	51.5
Teuchitlán	851.9	870.1	175.3	-0.5	3.4	0.21	873.0	717.0	617.0	522.0	399.0	307.0	23.1	429.4	39.8
Tizapán el Alto	739.7	730.8	138.0	0.4	5.1	0.19	735.0	630.0	545.0	442.0	276.0	139.0	11.6	458.0	18.1
Tlajomulco de Zúñiga	824.7	830.8	128.4	-0.4	4.4	0.16	825.0	731.0	671.0	613.0	539.0	484.0	39.8	497.4	84.3
Tlaquepaque	923.9	926.5	139.6	-0.4	3.9	0.15	924.0	837.0	782.0	731.0	664.0	615.0	67.7	580.8	160.4
Tolimán	902.3	902.0	194.9	-0.5	4.1	0.22	901.0	780.0	644.0	515.0	349.0	225.0	20.4	430.8	31.8
Tomatlán	794.2	751.2	161.6	0.6	2.8	0.20	741.0	660.0	617.0	573.0	507.0	445.0	13.1	544.7	30.2
Tonalá	862.5	837.8	174.5	0.8	5.8	0.20	852.0	729.0	641.0	545.0	396.0	262.0	10.6	549.2	19.5
Tonaya	757.8	747.5	154.4	0.5	3.7	0.20	730.0	628.0	565.0	500.0	406.0	326.0	14.9	459.3	30.2
Tonila	966.6	981.9	191.7	-0.2	4.0	0.20	978.0	812.0	702.0	593.0	449.0	336.0	22.7	484.5	39.9
Totatiche	662.5	689.1	140.9	-0.3	3.3	0.21	671.0	555.0	480.0	409.0	316.0	246.0	16.4	373.2	28.4
Tototlán	839.2	788.6	182.3	0.5	2.8	0.22	776.0	688.0	643.0	597.0	531.0	472.0	22.6	522.7	55.5
Tuxcacuesco	1025.0	1009.3	272.8	-0.2	2.5	0.27	1039.0	778.0	668.0	568.0	444.0	351.0	20.0	467.5	41.9
Tuxcueca	841.9	846.0	155.6	-0.4	4.2	0.18	857.0	750.0	680.0	614.0	529.0	465.0	52.3	458.0	107.5
Tuxpan	886.3	895.5	179.6	-0.2	4.6	0.20	877.0	753.0	670.0	581.0	450.0	342.0	37.9	400.9	68.8
Unión de San Antonio	642.0	642.6	210.2	0.2	3.1	0.33	631.0	467.0	366.0	270.0	144.0	47.0	10.9	275.1	19.3
Unión de Tula	817.7	774.2	191.3	0.7	3.9	0.23	766.0	658.0	588.0	509.0	374.0	254.0	15.0	466.9	27.3
Valle de Guadalupe	670.0	691.5	155.5	-0.2	2.9	0.23	693.0	541.0	510.0	465.0	363.0	281.0	35.4	341.0	60.4
Valle de Juárez	854.3	799.3	306.8	2.8	13.9	0.36	819.0	657.0	549.0	445.0	304.0	192.0	4.4	519.5	12.2
San Gabriel	763.0	745.5	148.4	0.2	3.7	0.19	753.0	641.0	562.0	478.0	356.0	256.0	13.1	466.8	21.8
Villa Corona	783.0	806.4	176.9	-1.8	9.2	0.23	812.0	668.0	572.0	480.0	362.0	272.0	134.4	145.5	267.7
Villa Guerrero	627.8	637.2	143.9	-0.3	3.3	0.23	641.0	516.0	432.0	350.0	241.0	157.0	12.5	348.3	20.3
Villa Hidalgo	573.3	560.5	159.1	0.3	3.9	0.28	561.0	477.0	389.0	273.0	114.0	0.0	15.3	253.1	22.4
Cañadas de Obregón	601.7	602.5	176.8	0.0	3.2	0.29	602.0	472.0	391.0	314.0	215.0	141.0	17.3	258.4	33.4
Yahualica de González Gallo	723.2	747.0	153.9	0.2	3.3	0.21	711.0	566.0	498.0	423.0	308.0	212.0	8.2	453.6	15.2
Zacoalco de Torres	609.1	606.0	153.3	0.0	2.7	0.25	605.0	477.0	409.0	345.0	262.0	199.0	15.9	306.1	30.6
Zapopan	961.8	985.1	159.2	-0.3	3.3	0.17	844.7	704.0	610.8	521.4	405.8	319.1	4.7	649.6	7.5
Zapotitlán	1361.5	1332.3	215.0	0.6	3.4	0.16	1318.0	1194.0	1122.0	1052.0	959.0	885.0	10.9	1036.0	23.5
Zapotitlán de Vadillo	902.3	902.0	194.9	-0.5	4.1	0.22	901.0	780.0	644.0	515.0	349.0	225.0	20.4	430.8	31.8
Zapotlán del Rey	810.7	818.5	130.3	0.2	4.6	0.16	808.0	719.0	658.0	596.0	509.0	435.0	21.3	529.2	40.7
Zapotlanejo	716.0	728.7	230.9	0.3	4.8	0.32	718.0	528.0	388.0	235.0	0.0	0.0	8.8	318.2	13.9
Estatál	807.4	812.0	106.9	0.4	4.3	0.13	800.0	729.0	682.0	634.0	567.0	511.0	24.2	569.3	48.5

Tabla C.101. Características estadísticas de la lluvia anual de cada municipio del estado de Jalisco.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Acatic	576.7	659.4	742.2	824.9	907.7	990.4	1073.2	1155.9	1238.7	1321.4	7.6	7.6	15.3	15.3	7.6	7.6	15.3	15.3	0.0	7.6
Acatlán de Juárez	234.1	322.8	411.4	500.0	588.7	677.3	766.9	854.5	943.2	1031.8	3.7	0.0	0.0	0.0	3.7	14.8	14.8	22.2	25.9	14.8
Ahualulco de Mercado	568.9	635.8	702.8	769.7	836.7	903.6	970.6	1037.5	1104.5	1171.4	3.5	7.1	3.5	7.1	3.5	10.7	32.1	14.2	10.7	7.1
Amacueca	461.1	510.3	559.6	608.8	658.1	707.4	756.6	805.9	855.1	904.4	14.8	7.4	14.8	14.8	11.1	3.7	14.8	7.4	7.4	3.7
Amatitán	582.0	652.1	722.3	792.5	862.6	932.8	1003.0	1073.2	1143.3	1213.5	3.7	0.0	3.7	11.1	22.2	11.1	22.2	11.1	11.1	3.7
Ameca	591.3	657.6	723.9	790.2	856.5	922.9	989.2	1055.5	1121.8	1188.1	6.6	0.0	26.6	10.0	23.3	10.0	20.0	0.0	0.0	3.3
San Juanito de Escobedo	621.4	685.3	749.3	813.2	877.2	941.1	1005.1	1069.0	1133.0	1196.9	8.3	4.1	16.6	4.1	8.3	12.5	0.0	8.3	20.8	16.6
Arandas	603.0	688.0	773.1	858.1	943.1	1028.1	1113.1	1198.2	1283.2	1368.2	3.7	11.1	11.1	18.5	18.5	11.1	18.5	3.7	0.0	3.7
Arenal	692.1	750.2	808.3	866.4	924.6	982.7	1040.8	1098.9	1157.0	1215.1	3.5	3.5	14.2	7.1	17.8	21.4	17.8	7.1	3.5	3.5
Atemajac de Brizuela	452.1	511.2	570.3	629.4	688.5	747.6	806.7	865.8	924.9	984.0	6.6	0.0	6.6	10.0	16.6	23.3	13.3	6.6	10.0	6.6
Atengo	536.2	608.5	680.9	753.2	825.5	897.8	970.1	1042.5	1114.8	1187.1	3.7	3.7	3.7	14.8	14.8	11.1	25.9	11.1	7.4	3.7
Atenguillo	738.7	810.3	881.8	953.4	1025.0	1096.6	1168.2	1239.7	1311.3	1382.9	14.8	0.0	11.1	7.4	11.1	7.4	11.1	14.8	7.4	14.8
Atotonilco el Alto	464.0	548.7	633.3	718.0	802.7	887.4	972.1	1056.7	1141.4	1226.1	3.7	3.7	7.4	7.4	14.8	22.2	7.4	14.8	3.7	14.8
Atoyac	461.1	510.3	559.6	608.8	658.1	707.4	756.6	805.9	855.1	904.4	14.8	7.4	14.8	14.8	11.1	3.7	14.8	7.4	7.4	3.7
Autlán de Navarro	598.8	671.0	743.1	815.3	887.5	959.7	1031.9	1104.0	1176.2	1248.4	14.8	3.7	7.4	11.1	18.5	22.2	11.1	3.7	3.7	3.7
Ayotlán	507.8	582.1	656.5	730.9	805.3	879.6	954.0	1028.4	1102.7	1177.1	3.7	0.0	7.4	18.5	14.8	18.5	18.5	3.7	11.1	3.7
Ayutla	544.0	621.0	698.1	775.2	852.2	929.3	1006.4	1083.5	1160.5	1237.6	3.7	3.7	22.2	22.2	7.4	22.2	7.4	0.0	0.0	11.1
Barca, La	464.0	548.7	633.3	718.0	802.7	887.4	972.1	1056.7	1141.4	1226.1	3.7	3.7	7.4	7.4	14.8	22.2	7.4	14.8	3.7	14.8
Bolaños	406.3	464.3	522.4	580.4	638.4	696.4	754.4	812.5	870.5	928.5	7.4	7.4	11.1	3.7	22.2	14.8	18.5	7.4	3.7	3.7
Cabo Corrientes	816.5	910.3	1004.0	1097.7	1191.5	1285.2	1378.9	1472.6	1566.4	1660.1	3.5	3.5	25.0	17.8	14.2	7.1	7.1	7.1	7.1	7.1
Casimiro Castillo	519.8	642.0	764.3	886.6	1008.9	1131.1	1253.4	1375.7	1497.9	1620.2	3.7	0.0	3.7	0.0	18.5	11.1	33.3	25.9	0.0	3.7
Cihuatlán	336.1	463.4	590.7	718.0	845.3	972.6	1099.9	1227.2	1354.5	1481.8	3.4	0.0	3.4	6.8	17.2	27.5	20.6	13.7	3.4	3.4
Zapotlán el Grande	1112.7	1189.3	1266.0	1342.6	1419.3	1495.9	1572.6	1649.2	1725.9	1802.5	5.5	16.6	16.6	11.1	16.6	5.5	11.1	5.5	5.5	5.5
Cocula	677.9	738.4	798.9	859.4	919.9	980.5	1041.0	1101.5	1162.0	1222.5	11.5	15.3	11.5	15.3	19.2	15.3	7.6	0.0	0.0	3.8
Colotlán	413.4	467.4	521.4	575.4	629.4	683.3	737.3	791.3	845.3	899.3	3.7	7.4	11.1	11.1	11.1	22.2	14.8	3.7	11.1	3.7
Concepción de Buenos Aires	512.2	564.6	617.1	669.5	721.9	774.3	826.7	879.2	931.6	984.0	3.7	7.4	3.7	18.5	3.7	11.1	18.5	18.5	0.0	14.8
Cuaulitán de Gracia Barragán	991.6	1122.7	1253.9	1385.0	1516.2	1647.4	1778.5	1909.7	2040.8	2172.0	3.7	0.0	0.0	11.1	22.2	11.1	7.4	22.2	11.1	11.1
Cuautla	750.3	834.4	918.5	1002.6	1086.7	1170.8	1254.9	1339.0	1423.1	1507.2	7.4	7.4	7.4	11.1	3.7	18.5	18.5	14.8	0.0	11.1
Cuquío	587.9	652.0	716.1	780.2	844.4	908.5	972.6	1036.7	1100.8	1164.9	13.0	0.0	4.3	13.0	17.3	34.7	8.6	4.3	0.0	4.3
Chapala	611.7	697.4	783.1	868.8	954.5	1040.1	1125.8	1211.5	1297.2	1382.9	3.7	7.4	18.5	11.1	25.9	11.1	14.8	3.7	0.0	3.7
Chimaltán	406.3	464.3	522.4	580.4	638.4	696.4	754.4	812.5	870.5	928.5	7.4	7.4	11.1	3.7	22.2	14.8	18.5	7.4	3.7	3.7

Tabla C.102. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Jalisco.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Chiquilistlán	469.0	542.1	615.3	688.5	761.6	834.8	908.0	981.2	1054.3	1127.5	11.1	11.1	7.4	14.8	18.5	18.5	3.7	7.4	0.0	7.4
Degollado	507.8	582.1	656.5	730.9	805.3	879.6	954.0	1028.4	1102.7	1177.1	3.7	0.0	7.4	18.5	14.8	18.5	18.5	3.7	11.1	3.7
Ejutla	469.0	542.1	615.3	688.5	761.6	834.8	908.0	981.2	1054.3	1127.5	11.1	11.1	7.4	14.8	18.5	18.5	3.7	7.4	0.0	7.4
Encarnación de Díaz	330.3	405.1	479.8	554.5	629.3	704.0	778.7	853.4	928.2	1002.9	7.4	7.4	14.8	18.5	25.9	11.1	3.7	7.4	0.0	3.7
Etzatlán	539.7	603.0	666.4	729.7	793.0	856.3	919.6	983.0	1046.3	1109.6	3.3	3.3	10.0	6.6	10.0	6.6	20.0	13.3	16.6	10.0
Grullo, El	598.8	671.0	743.1	815.3	887.5	959.7	1031.9	1104.0	1176.2	1248.4	14.8	3.7	7.4	11.1	18.5	22.2	11.1	3.7	3.7	3.7
Guachinango	636.5	705.8	775.1	844.4	913.7	983.1	1052.4	1121.7	1191.0	1260.3	3.3	3.3	16.6	10.0	6.6	16.6	3.3	26.6	6.6	6.6
Guadalajara	561.3	633.7	706.2	778.6	851.1	923.5	996.0	1068.4	1140.9	1213.3	3.7	0.0	0.0	3.7	11.1	11.1	29.6	22.2	11.1	7.4
Hostotipaquillo	647.6	706.8	765.9	825.1	884.2	943.3	1002.5	1061.6	1120.8	1179.9	10.7	7.1	10.7	10.7	14.2	7.1	17.8	10.7	7.1	3.5
Huejúcar	380.6	441.1	501.7	562.3	622.9	683.4	744.0	804.6	865.1	925.7	3.7	14.8	3.7	18.5	3.7	33.3	7.4	3.7	7.4	3.7
Huejuquilla el Alto	386.4	445.0	503.6	562.2	620.8	679.3	737.9	796.5	855.1	913.7	3.7	11.1	22.2	22.2	3.7	11.1	14.8	3.7	3.7	3.7
Huerta, La	578.4	670.9	763.4	855.9	948.4	1041.0	1133.5	1226.0	1318.5	1411.0	7.4	7.4	11.1	14.8	14.8	14.8	18.5	3.7	3.7	3.7
Ixtlahuacán de los Membrillos	595.8	664.6	733.3	802.0	870.8	939.5	1008.2	1076.9	1145.7	1214.4	11.1	11.1	7.4	22.2	7.4	14.8	18.5	0.0	3.7	3.7
Ixtlahuacán del Río	556.3	632.5	708.8	785.0	861.3	937.5	1013.8	1090.0	1166.3	1242.5	3.3	3.3	3.3	3.3	10.0	33.3	23.3	13.3	0.0	6.6
Jalostotlán	366.9	434.3	501.8	569.2	636.6	704.0	771.4	838.9	906.3	973.7	3.7	7.4	7.4	0.0	25.9	11.1	18.5	14.8	3.7	7.4
Jamay	464.0	548.7	633.3	718.0	802.7	887.4	972.1	1056.7	1141.4	1226.1	3.7	3.7	7.4	7.4	14.8	22.2	7.4	14.8	3.7	14.8
Jesús María	304.2	403.8	503.5	603.2	702.9	802.5	902.2	1001.9	1101.5	1201.2	3.7	0.0	3.7	11.1	14.8	7.4	14.8	25.9	14.8	3.7
Jilotlán de los Dolores	717.6	786.8	856.1	925.3	994.6	1063.9	1133.1	1202.4	1271.6	1340.9	7.4	7.4	3.7	14.8	7.4	33.3	7.4	3.7	11.1	3.7
Jocotepec	550.0	607.3	664.6	721.9	779.2	836.5	893.8	951.1	1008.4	1065.7	14.8	7.4	7.4	11.1	3.7	14.8	22.2	3.7	11.1	3.7
Juanacatlán	655.1	737.4	819.8	902.2	984.6	1066.9	1149.3	1231.7	1314.0	1396.4	14.8	14.8	11.1	29.6	14.8	3.7	7.4	0.0	0.0	3.7
Juchitán	469.0	542.1	615.3	688.5	761.6	834.8	908.0	981.2	1054.3	1127.5	11.1	11.1	7.4	14.8	18.5	18.5	3.7	7.4	0.0	7.4
Lagos de Moreno	290.8	351.6	412.3	473.0	533.8	594.5	655.2	715.9	776.7	837.4	7.4	3.7	3.7	7.4	18.5	22.2	14.8	7.4	7.4	7.4
Limón, El	469.0	542.1	615.3	688.5	761.6	834.8	908.0	981.2	1054.3	1127.5	11.1	11.1	7.4	14.8	18.5	18.5	3.7	7.4	0.0	7.4
Magdalena	606.0	663.6	721.3	778.9	836.5	894.1	951.7	1009.4	1067.0	1124.6	3.7	0.0	3.7	14.8	11.1	7.4	11.1	25.9	11.1	11.1
Santa María del Oro	717.6	786.8	856.1	925.3	994.6	1063.9	1133.1	1202.4	1271.6	1340.9	7.4	7.4	3.7	14.8	7.4	33.3	7.4	3.7	11.1	3.7
Manzanilla de la Paz, La	512.2	564.6	617.1	669.5	721.9	774.3	826.7	879.2	931.6	984.0	3.7	7.4	3.7	18.5	3.7	11.1	18.5	18.5	0.0	14.8
Mascota	823.1	900.9	978.6	1056.4	1134.2	1212.0	1289.8	1367.5	1445.3	1523.1	7.4	18.5	11.1	11.1	11.1	22.2	3.7	11.1	0.0	3.7
Mazamitla	731.3	796.7	862.2	927.6	993.1	1058.5	1124.0	1189.4	1254.9	1320.3	7.4	14.8	18.5	18.5	14.8	3.7	3.7	14.8	0.0	3.7
Méxicacán	432.2	518.7	605.2	691.8	778.3	864.9	951.4	1038.0	1124.6	1211.1	18.5	14.8	11.1	25.9	7.4	14.8	3.7	0.0	0.0	3.7
Mezquitic	281.1	369.9	458.8	547.6	636.5	725.4	814.2	903.1	991.9	1080.8	5.2	10.5	0.0	10.5	10.5	26.3	5.2	10.5	10.5	10.5
Mixtlán	527.1	597.6	668.1	738.6	809.1	879.6	950.1	1020.6	1091.1	1161.6	3.3	6.6	3.3	6.6	13.3	16.6	20.0	13.3	6.6	10.0

Tabla C.102. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Jalisco.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Ocotlán	585.2	648.9	712.6	776.3	840.0	903.6	967.3	1031.0	1094.7	1158.4	3.7	14.8	3.7	29.6	11.1	18.5	7.4	3.7	3.7	3.7
Ojuelos de Jalisco	310.2	444.9	579.7	714.4	849.2	984.0	1118.7	1253.5	1388.2	1523.0	13.6	31.8	27.2	18.1	4.5	0.0	0.0	0.0	0.0	4.5
Pihuamo	509.9	593.0	676.0	759.1	842.1	925.1	1008.2	1091.2	1174.3	1257.3	3.7	0.0	3.7	11.1	11.1	18.5	18.5	11.1	14.8	7.4
Poncitlán	535.5	598.8	662.0	725.3	788.5	851.7	915.0	978.2	1041.5	1104.7	3.7	0.0	14.8	18.5	18.5	25.9	7.4	3.7	0.0	7.4
Puerto Vallarta	816.5	910.3	1004.0	1097.7	1191.5	1285.2	1378.9	1472.6	1566.4	1660.1	3.5	3.5	25.0	17.8	14.2	7.1	7.1	7.1	7.1	7.1
Villa Purificación	435.9	490.4	544.9	599.4	653.9	708.5	763.0	817.5	872.0	926.5	3.7	7.4	11.1	29.6	11.1	11.1	11.1	7.4	3.7	3.7
Quitupan	636.4	747.5	858.5	969.5	1080.6	1191.6	1302.6	1413.6	1524.7	1635.7	7.4	7.4	7.4	14.8	40.7	7.4	3.7	3.7	3.7	3.7
Salto, El	633.9	718.6	803.4	888.1	972.8	1057.5	1142.2	1227.0	1311.7	1396.4	7.1	14.2	10.7	32.1	17.8	3.5	10.7	0.0	0.0	3.5
San Cristobal de la Barranca	559.0	637.9	716.9	795.8	874.8	953.8	1032.7	1111.7	1190.6	1269.6	3.7	0.0	7.4	22.2	29.6	18.5	7.4	3.7	3.7	3.7
San Diego de Alejandria	389.9	474.4	558.8	643.2	727.6	812.1	896.5	980.9	1065.4	1149.8	3.7	11.1	3.7	7.4	29.6	7.4	7.4	7.4	18.5	3.7
San Juan de los Lagos	371.4	446.3	521.3	596.2	671.2	746.2	821.1	896.1	971.0	1046.0	3.7	11.1	7.4	11.1	25.9	14.8	3.7	14.8	0.0	7.4
San Julián	334.6	410.0	485.5	561.0	636.5	711.9	787.4	862.9	938.3	1013.8	9.0	4.5	9.0	13.6	13.6	9.0	22.7	4.5	0.0	13.6
San Marcos	616.4	677.8	739.2	800.6	861.9	923.3	984.7	1046.1	1107.5	1168.9	6.6	0.0	10.0	23.3	10.0	20.0	13.3	6.6	6.6	3.3
San Martín de Bolaños	266.8	351.1	435.3	519.6	603.9	688.2	772.5	856.7	941.0	1025.3	3.3	0.0	6.6	3.3	10.0	16.6	30.0	16.6	6.6	6.6
San Martín Hidalgo	677.9	738.4	798.9	859.4	919.9	980.5	1041.0	1101.5	1162.0	1222.5	11.5	15.3	11.5	15.3	19.2	15.3	7.6	0.0	0.0	3.8
San Miguel el Alto	421.7	485.8	549.9	614.0	678.1	742.2	806.3	870.4	934.5	998.6	3.7	0.0	18.5	7.4	7.4	11.1	22.2	14.8	3.7	11.1
Gómez Farías	1112.7	1189.3	1266.0	1342.6	1419.3	1495.9	1572.6	1649.2	1725.9	1802.5	5.5	16.6	16.6	11.1	16.6	5.5	11.1	5.5	5.5	5.5
San Sebastián del Oeste	841.8	896.0	950.3	1004.5	1058.8	1113.1	1167.3	1221.6	1275.8	1330.1	3.7	18.5	7.4	18.5	11.1	3.7	14.8	0.0	3.7	18.5
Santa María de los Angeles	388.0	444.3	500.5	556.7	613.0	669.2	725.4	781.6	837.9	894.1	3.7	3.7	11.1	14.8	11.1	18.5	18.5	14.8	0.0	3.7
Sayula	437.2	509.3	581.5	653.6	725.7	797.8	869.9	942.1	1014.2	1086.3	3.7	0.0	11.1	11.1	22.2	22.2	3.7	7.4	11.1	7.4
Tala	459.5	550.8	642.1	733.4	824.6	915.9	1007.2	1098.5	1189.8	1281.1	6.6	0.0	0.0	6.6	13.3	13.3	13.3	26.6	6.6	13.3
Talpa de Allende	814.6	895.6	976.6	1057.6	1138.6	1219.6	1300.6	1381.6	1462.6	1543.6	3.7	0.0	14.8	3.7	14.8	11.1	14.8	14.8	7.4	14.8
Tamazula de Gordiano	701.0	772.3	843.7	915.1	986.5	1057.8	1129.2	1200.6	1271.9	1343.3	3.5	3.5	3.5	3.5	14.2	21.4	28.5	7.1	10.7	3.5
Tapalpa	588.9	651.7	714.6	777.4	840.3	903.2	966.0	1028.9	1091.7	1154.6	6.8	6.8	6.8	20.6	27.5	6.8	6.8	3.4	6.8	6.8
Tecalitlán	614.4	685.7	757.0	828.3	899.6	971.0	1042.3	1113.6	1184.9	1256.2	3.7	3.7	11.1	7.4	22.2	14.8	22.2	7.4	0.0	7.4
Tecolotlán	593.7	656.7	719.6	782.5	845.4	908.4	971.3	1034.2	1097.2	1160.1	7.4	0.0	11.1	29.6	25.9	3.7	0.0	14.8	3.7	3.7
Techaluta de Montenegro	620.3	693.1	765.9	838.7	911.5	984.3	1057.1	1129.9	1202.7	1275.5	3.4	3.4	17.2	10.3	17.2	17.2	3.4	10.3	10.3	6.8
Tenamatlán	469.0	542.1	615.3	688.5	761.6	834.8	908.0	981.2	1054.3	1127.5	11.1	11.1	7.4	14.8	18.5	18.5	3.7	7.4	0.0	7.4
Teocatiche	350.9	429.6	508.2	586.8	665.4	744.1	822.7	901.3	980.0	1058.6	3.7	11.1	7.4	22.2	25.9	14.8	3.7	3.7	3.7	3.7
Teocuitlán de Corona	545.6	620.6	695.6	770.6	845.6	920.6	995.6	1070.6	1145.6	1220.6	3.7	11.1	0.0	7.4	33.3	14.8	18.5	3.7	3.7	3.7
Tepatlán de Morelos	697.8	772.4	846.9	921.5	996.0	1070.5	1145.1	1219.6	1294.2	1368.7	11.1	18.5	18.5	14.8	18.5	7.4	7.4	0.0	0.0	3.7

Tabla C.102. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Jalisco.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad		de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10		
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)		
Tequila	598.9	663.0	727.2	791.3	855.5	919.7	983.8	1048.0	1112.1	1176.3	6.8	3.4	10.3	3.4	17.2	20.6	10.3	6.8	13.7	6.8		
Teuchitlán	502.6	575.7	648.9	722.1	795.2	868.4	941.6	1014.8	1087.9	1161.1	3.7	0.0	11.1	11.1	7.4	14.8	14.8	22.2	7.4	7.4		
Tizapán el Alto	524.6	591.1	657.7	724.2	790.8	857.4	923.9	990.5	1057.0	1123.6	11.1	0.0	11.1	25.9	22.2	14.8	7.4	3.7	0.0	3.7		
Tlajomulco de Zúñiga	557.8	618.2	678.5	738.9	799.3	859.7	920.1	980.4	1040.8	1101.2	3.5	7.1	0.0	7.1	14.2	35.7	14.2	7.1	7.1	3.5		
Tlaquepaque	642.5	704.2	766.0	827.7	889.4	951.1	1012.8	1074.6	1136.3	1198.0	3.5	3.5	7.1	7.1	10.7	28.5	21.4	0.0	14.2	3.5		
Tolimán	511.7	592.6	673.5	754.4	835.3	916.1	997.0	1077.9	1158.8	1239.7	7.4	0.0	3.7	7.4	11.1	25.9	11.1	14.8	7.4	11.1		
Tomatlán	600.1	655.6	711.0	766.5	821.9	877.3	932.8	988.2	1043.7	1099.1	7.4	7.4	22.2	18.5	7.4	14.8	0.0	0.0	11.1	11.1		
Tonalá	633.9	718.6	803.4	888.1	972.8	1057.5	1142.2	1227.0	1311.7	1396.4	7.1	14.2	10.7	32.1	17.8	3.5	10.7	0.0	0.0	3.5		
Tonaya	527.8	596.3	664.8	733.3	801.9	870.4	938.9	1007.4	1075.9	1144.4	3.7	3.7	29.6	11.1	14.8	11.1	14.8	7.4	0.0	3.7		
Tonila	573.5	662.4	751.4	840.4	929.4	1018.3	1107.3	1196.3	1285.2	1374.2	3.7	0.0	7.4	14.8	18.5	14.8	18.5	14.8	3.7	3.7		
Totatiche	429.0	484.8	540.7	596.5	652.3	708.1	763.9	819.8	875.6	931.4	7.4	3.7	7.4	11.1	11.1	18.5	22.2	7.4	3.7	7.4		
Tototlán	588.8	654.9	721.0	787.1	853.2	919.2	985.3	1051.4	1117.5	1183.6	3.7	7.4	22.2	14.8	7.4	11.1	11.1	7.4	3.7	11.1		
Tuxcacuesco	568.2	668.8	769.4	870.1	970.7	1071.4	1172.1	1272.7	1373.4	1474.0	3.7	3.7	14.8	14.8	3.7	11.1	14.8	7.4	18.5	7.4		
Tuxcueca	524.5	591.0	657.5	724.0	790.5	856.9	923.4	989.9	1056.4	1122.9	7.4	0.0	0.0	14.8	7.4	22.2	18.5	14.8	3.7	11.1		
Tuxpan	491.0	581.1	671.1	761.2	851.3	941.4	1031.5	1121.5	1211.6	1301.7	3.4	0.0	3.4	17.2	20.6	20.6	10.3	17.2	3.4	3.4		
Unión de San Antonio	354.5	433.8	513.2	592.6	672.0	751.3	830.7	910.1	989.4	1068.8	11.1	7.4	11.1	11.1	14.8	14.8	7.4	14.8	0.0	7.4		
Unión de Tula	544.0	621.0	698.1	775.2	852.2	929.3	1006.4	1083.5	1160.5	1237.6	3.7	3.7	22.2	22.2	7.4	22.2	7.4	0.0	0.0	11.1		
Valle de Guadalupe	404.0	467.0	530.0	593.0	656.0	719.0	782.0	845.0	908.0	971.0	7.4	0.0	11.1	18.5	7.4	11.1	18.5	14.8	7.4	3.7		
Valle de Juárez	678.8	838.2	997.5	1156.9	1316.2	1475.5	1634.9	1794.2	1953.6	2112.9	17.2	41.3	24.1	10.3	0.0	3.4	0.0	0.0	0.0	3.4		
San Gabriel	530.1	593.3	656.6	719.8	783.1	846.4	909.6	972.9	1036.1	1099.4	7.4	7.4	7.4	18.5	14.8	18.5	11.1	3.7	7.4	3.7		
Villa Corona	234.1	322.8	411.4	500.0	588.7	677.3	765.9	854.5	943.2	1031.8	3.7	0.0	0.0	0.0	3.7	14.8	14.8	22.2	25.9	14.8		
Villa Guerrero	406.3	464.3	522.4	580.4	638.4	696.4	754.4	812.5	870.5	928.5	7.4	7.4	11.1	3.7	22.2	14.8	18.5	7.4	3.7	3.7		
Villa Hidalgo	318.8	384.5	450.2	515.9	581.7	647.4	713.1	778.8	844.5	910.2	7.4	3.7	7.4	14.8	29.6	11.1	11.1	3.7	3.7	7.4		
Cañadas de Obregón	329.7	400.9	472.2	543.4	614.7	686.0	757.2	828.5	899.7	971.0	7.4	7.4	11.1	3.7	22.2	22.2	7.4	3.7	11.1	3.7		
Yahualica de González Gallo	517.0	580.5	643.9	707.3	770.8	834.2	897.6	961.0	1024.5	1087.9	10.7	7.1	17.8	10.7	10.7	21.4	10.7	3.5	3.5	3.5		
Zacoalco de Torres	365.8	425.6	485.3	545.1	604.8	664.5	724.3	784.0	843.8	903.5	3.3	10.0	13.3	6.6	16.6	10.0	20.0	6.6	6.6	6.6		
Zapopan	713.9	778.1	842.4	906.6	970.9	1035.1	1099.4	1163.6	1227.9	1292.1	10.7	7.1	0.0	10.7	21.4	10.7	25.0	3.5	7.1	3.5		
Zapotitlán	1112.7	1189.3	1266.0	1342.6	1419.3	1495.9	1572.6	1649.2	1725.9	1802.5	5.5	16.6	16.6	11.1	16.6	5.5	11.1	5.5	5.5	5.5		
Zapotitlán de Vadillo	511.7	592.6	673.5	754.4	835.3	916.1	997.0	1077.9	1158.8	1239.7	7.4	0.0	3.7	7.4	11.1	25.9	11.1	14.8	7.4	11.1		
Zapotitlán del Rey	590.8	652.4	714.0	775.6	837.3	898.9	960.5	1022.1	1083.7	1145.3	3.7	7.4	11.1	11.1	29.6	14.8	11.1	7.4	0.0	3.7		
Zapotlanejo	414.7	511.2	607.7	704.2	800.7	897.2	993.7	1090.2	1186.7	1283.2	15.7	0.0	19.5	10.5	31.5	15.7	10.5	0.0	0.0	5.2		
Estatal	620.9	672.4	724.0	775.6	827.2	878.7	930.3	981.9	1033.4	1085.0	3.3	6.6	10.0	20.0	23.3	13.3	10.0	6.6	3.3	3.3		

Tabla C.102. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Jalisco.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS	Irvia disponible	Irvia disponible		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c	Hp disp S(mm)	Hp disp S(mm)		
Acatic	2.3	0.4	1.7	1.2	308.1	229.9	181.2	20.0	702.0	3.9	SEVERA	
Acatlán de Juárez	3.8	1.9	1.5	0.7	239.7	183.7	159.8	20.0	623.2	6.9	SEVERA	
Ahuatlulco de Mercado	2.7	0.6	1.1	0.3	188.6	121.9	171.4	19.0	729.9	5.0	SEVERA	
Amacueca	3.7	1.9	2.5	1.7	246.2	220.9	98.4	15.0	522.4	4.2	MUY SEVERA	
Amatitán	4.1	1.9	1.7	1.1	231.5	218.4	136.1	14.0	773.7	5.8	SEVERA	
Ameca	4.6	2.9	2.4	1.2	221.9	162.1	92.4	11.0	717.9	4.0	MUY SEVERA	
San Juanito de Escobedo	2.7	0.6	1.5	0.7	260.3	155.6	173.5	18.0	750.3	4.6	SEVERA	
Arandas	3.1	1.2	1.4	0.6	211.3	134.6	150.9	16.0	743.3	4.6	SEVERA	
Arenal	3.3	1.3	1.4	0.6	148.4	97.7	106.0	11.0	818.6	5.7	SEVERA	
Alemajac de Brizuela	4.5	4.3	2.1	2.0	224.5	244.7	106.9	15.0	605.6	5.3	MUY SEVERA	
Atengo	4.2	1.4	2.6	2.3	352.7	414.3	135.6	15.0	725.1	5.4	MUY SEVERA	
Atenguillo	4.0	0.8	2.1	1.0	422.8	295.1	201.3	19.0	850.9	5.0	MUY SEVERA	
Atotonilco el Alto	2.8	0.6	1.8	1.0	274.3	175.8	152.3	17.0	707.9	4.8	SEVERA	
Atoyac	3.7	1.9	2.5	1.7	246.2	220.9	98.4	15.0	522.4	4.2	MUY SEVERA	
Autlán de Navarro	3.6	2.3	1.5	1.0	256.3	284.2	170.8	20.0	672.4	6.6	SEVERA	
Ayotlán	1.5	1.5	1.6	1.6	229.1	254.2	143.1	17.0	689.1	5.7	SEVERA	
Ayutla	4.1	1.3	2.2	1.2	288.7	228.4	131.2	16.0	686.5	3.7	MUY SEVERA	
Barca, La	2.8	0.6	1.8	1.0	274.3	175.8	152.3	17.0	707.9	4.8	SEVERA	
Bolaños	6.0	2.8	2.7	0.8	374.9	184.8	138.8	22.0	488.9	6.2	MUY VASTA	
Cabo Corrientes	3.5	1.9	2.2	1.5	338.4	292.6	153.8	13.0	1012.1	3.7	MUY SEVERA	
Casimiro Castillo	3.8	1.5	1.4	0.7	318.0	254.8	227.1	20.0	905.2	9.0	SEVERA	
Cihuatlán	3.8	1.4	1.6	0.9	313.0	275.4	195.6	20.0	737.8	5.8	SEVERA	
Zapotlán el Grande	4.2	2.2	1.9	2.0	309.7	325.6	163.0	11.0	1198.4	4.8	SEVERA	
Cocula	4.0	2.3	1.7	1.3	196.2	121.1	115.4	13.0	721.7	5.6	SEVERA	
Colotlán	3.5	1.3	1.8	0.9	201.9	161.9	112.1	17.0	526.0	5.3	SEVERA	
Concepción de Buenos Aires	4.5	1.4	2.1	1.3	273.4	180.3	130.1	17.0	630.2	4.2	MUY SEVERA	
Cuautilán de Gracia Barragán	3.8	1.6	2.0	1.1	471.3	411.2	235.6	14.0	1419.8	7.5	MUY SEVERA	
Cuautila	4.0	3.0	1.8	1.0	411.5	247.9	228.6	20.0	876.9	7.8	SEVERA	
Cuquío	3.1	1.0	1.4	0.4	162.6	103.4	116.1	14.0	704.3	6.1	SEVERA	
Chapala	3.7	1.9	2.0	1.2	228.5	165.0	114.2	12.0	778.5	3.9	MUY SEVERA	
Chimaltán	6.0	2.8	2.7	0.8	374.9	184.8	138.8	22.0	488.9	6.2	MUY VASTA	

Tabla C.103. Características de la sequía promedio de cada municipio del estado de Jalisco.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	Huvia disponible			
	Per(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	Hp disp S(mm)			
Chiquilistlán	4.6	2.4	2.3	1.5	324.1	343.5	140.9	19.0	567.0	4.7	MUY SEVERA	
Degollado	3.2	1.5	1.6	1.6	229.1	254.2	143.1	17.0	689.1	5.7	SEVERA	
Ejútla	4.6	2.4	2.3	1.5	324.1	343.5	140.9	19.0	567.0	4.7	MUY SEVERA	
Encarnación de Díaz	3.4	1.3	1.8	1.2	200.2	304.1	111.2	19.0	450.8	4.7	SEVERA	
Etzatlán	3.7	1.9	2.0	1.1	324.0	157.3	162.0	18.0	692.7	2.6	MUY SEVERA	
Grullo, El	3.6	2.3	1.5	1.0	256.3	284.2	170.8	20.0	672.4	6.6	SEVERA	
Guachinango	3.4	1.1	1.7	0.8	277.3	238.4	163.1	17.0	785.8	4.5	SEVERA	
Guadalajara	3.7	1.6	1.3	0.6	175.6	132.0	135.0	14.0	825.8	7.7	SEVERA	
Hostotipaquillo	3.0	0.8	1.5	0.6	183.1	84.0	122.0	13.0	751.3	4.1	SEVERA	
Huejúcar	4.1	1.6	1.7	1.0	219.4	218.4	129.0	21.0	475.6	6.1	VASTA	
Huejuquilla el Alto	3.6	2.0	2.2	1.6	223.8	290.9	101.7	17.0	469.9	4.1	MUY SEVERA	
Huerta, La	6.3	2.6	3.5	1.8	601.7	521.8	171.9	18.0	735.0	4.4	EXTREMADAMENTE SEVERA	
Ixtlahuacán de los Membrillos	3.5	1.9	1.8	1.3	227.4	179.6	126.3	15.0	690.5	4.2	SEVERA	
Ixtlahuacán del Río	3.2	1.1	1.3	0.9	196.1	177.6	150.8	16.0	761.7	8.9	SEVERA	
Jalostotlán	4.3	1.5	1.8	1.3	242.8	352.8	134.8	20.0	526.8	5.4	SEVERA	
Jamay	2.8	0.6	1.8	1.0	274.3	175.8	152.3	17.0	707.9	4.8	SEVERA	
Jesús María	4.2	1.4	1.8	1.0	432.1	348.3	240.0	29.0	576.1	5.5	VASTA	
Jilotlán de los Dolores	3.8	1.4	1.5	1.3	249.5	202.1	166.3	16.0	833.0	7.4	SEVERA	
Jocotepec	4.1	2.1	1.7	0.8	265.0	154.6	155.8	20.0	609.9	4.1	SEVERA	
Juanacatlán	3.8	1.5	1.8	1.3	253.0	221.9	140.5	16.0	702.4	5.0	SEVERA	
Juchitán	4.6	2.4	2.3	1.5	324.1	343.5	140.9	19.0	567.0	4.7	MUY SEVERA	
Lagos de Moreno	4.1	1.6	1.8	0.9	206.8	266.5	114.8	20.0	438.1	5.6	SEVERA	
Limón, El	4.6	2.4	2.3	1.5	324.1	343.5	140.9	19.0	567.0	4.7	MUY SEVERA	
Magdalena	3.1	1.4	1.2	0.6	177.6	86.6	148.0	16.0	761.1	6.0	SEVERA	
Santa María del Oro	3.8	1.4	1.5	1.3	249.5	202.1	166.3	16.0	833.0	7.4	SEVERA	
Manzanilla de la Paz, La	4.5	1.4	2.1	1.3	273.4	180.3	130.1	17.0	630.2	4.2	MUY SEVERA	
Mascota	4.4	0.7	2.1	1.0	363.3	228.8	173.0	16.0	890.5	4.0	MUY SEVERA	
Mazamitla	4.3	1.7	2.2	1.0	252.6	178.7	114.8	12.0	817.4	4.3	MUY SEVERA	
Mexicacán	4.7	1.9	2.3	1.3	321.6	306.5	139.8	22.0	491.3	5.0	MUY VASTA	
Mezquitic	2.5	0.5	2.0	2.0	342.9	426.7	171.4	25.0	511.8	4.9	MUY VASTA	
Mixtlán	3.0	1.0	1.5	0.8	225.3	250.3	150.1	17.0	712.2	5.9	SEVERA	

Tabla C.103. Características de la sequía promedio de cada municipio del estado de Jalisco.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS	Reserva disponible	Hp disp S(mm)		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s	Hp disp S(mm)	Hp disp S(mm)		
Ocotlán	4.1	1.9	2.0	1.6	217.3	216.5	108.6	13.0	682.0	4.3	MUY SEVERA	
Ojuelos de Jalisco	3.8	2.1	2.1	1.4	314.3	256.6	149.6	28.0	372.9	6.6	MUY VASTA	
Pihuamo	4.1	2.7	1.8	0.6	278.8	195.2	154.8	16.0	771.8	5.4	SEVERA	
Poncitlán	2.8	0.5	1.6	0.9	150.9	144.6	94.3	12.0	576.0	4.2	SEVERA	
Puerto Vallarta	3.5	1.9	2.2	1.5	338.4	292.6	153.8	13.0	1012.1	3.7	MUY SEVERA	
Villa Purificación	3.2	0.9	1.6	0.8	157.5	76.8	98.4	15.0	528.8	4.9	SEVERA	
Quitupan	5.2	2.6	2.1	1.0	374.6	256.2	178.3	17.0	917.3	7.6	MUY SEVERA	
Salto, El	4.4	2.0	2.5	1.8	297.0	192.7	118.8	13.0	743.7	4.4	MUY SEVERA	
San Cristobal de la Barranca	3.8	1.7	2.2	1.0	222.4	161.0	101.0	11.0	752.2	4.2	MUY SEVERA	
San Diego de Alejandria	3.5	1.0	1.8	0.9	292.9	239.5	162.7	21.0	583.5	4.6	VASTA	
San Juan de los Lagos	3.5	1.6	1.6	1.6	237.1	379.4	148.1	22.0	509.2	5.1	VASTA	
San Julián	4.2	2.5	2.0	1.4	304.1	462.7	152.0	23.0	489.7	6.4	MUY VASTA	
San Marcos	3.0	0.9	1.5	0.8	165.7	138.4	110.4	12.0	740.3	2.1	SEVERA	
San Martín de Bolaños	4.5	1.9	1.7	0.6	271.3	236.1	159.5	23.0	533.1	6.3	VASTA	
San Martín Hidalgo	4.0	2.3	1.7	1.3	196.2	121.1	115.4	13.0	721.7	5.6	SEVERA	
San Miguel el Alto	6.5	1.5	2.0	1.0	360.3	331.0	180.1	24.0	543.2	5.6	MUY VASTA	
Gómez Farías	4.2	2.2	1.9	2.0	309.7	325.6	163.0	11.0	198.4	4.8	SEVERA	
San Sebastián del Oeste	2.8	1.0	1.7	0.9	205.2	82.0	120.7	11.0	936.9	4.2	SEVERA	
Santa María de los Angeles	4.7	1.5	2.0	1.1	235.5	172.8	117.7	19.0	497.6	4.6	MUY SEVERA	
Sayula	3.5	1.5	2.1	1.2	215.1	167.1	102.4	13.0	650.8	4.3	MUY SEVERA	
Tala	3.6	0.9	1.7	1.2	303.6	466.0	178.5	18.0	769.0	6.6	SEVERA	
Talpa de Allende	3.1	1.2	1.6	0.9	286.0	215.2	178.7	14.0	1042.0	2.2	SEVERA	
Tamazula de Gordiano	3.7	1.4	1.5	0.7	193.9	172.4	129.2	12.0	913.5	6.1	SEVERA	
Tapalpa	5.0	2.4	2.8	2.1	288.9	182.5	103.1	12.0	714.3	3.8	MUY SEVERA	
Tecalitlán	4.3	2.6	1.8	0.6	234.6	124.5	130.3	14.0	781.4	5.2	SEVERA	
Tecolotlán	4.1	1.7	2.2	1.4	205.0	185.0	93.1	11.0	721.9	3.9	MUY SEVERA	
Techaluta de Montenegro	4.6	4.6	2.2	2.3	303.3	423.6	137.8	14.0	788.2	4.6	MUY SEVERA	
Tenamaxtlán	4.6	2.4	2.3	1.5	324.1	343.5	140.9	19.0	567.0	4.7	MUY SEVERA	
Teocaltiche	3.4	1.3	1.7	1.0	208.0	296.3	122.3	20.0	481.0	5.4	SEVERA	
Teocuitlán de Corona	4.3	1.7	2.1	1.3	222.7	181.2	106.0	12.0	732.3	4.7	MUY SEVERA	
Tepatitlán de Morelos	3.5	1.2	1.7	1.2	225.8	226.7	132.8	15.0	743.4	4.3	SEVERA	

Tabla C.103. Características de la sequía promedio de cada municipio del estado de Jalisco.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para para	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS	Iluvia disponible	Hp disp S(mm)		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s	Hp disp S(mm)	Hp disp S(mm)		
Tequila	3.7	1.6	2.0	1.1	225.8	212.4	112.9	12.0	767.9	4.4	MUY SEVERA	
Teuchitlán	3.3	1.3	1.7	1.0	269.6	253.0	158.5	18.0	593.3	5.9	SEVERA	
Tizapán el Alto	3.2	0.9	1.5	0.4	146.8	113.6	97.8	13.0	541.9	4.5	SEVERA	
Tlajomulco de Zúñiga	3.3	1.6	1.4	0.9	142.2	122.3	101.5	12.0	723.2	5.4	SEVERA	
Tlaquepaque	3.7	0.6	1.6	0.6	176.9	135.5	110.5	11.0	813.3	6.7	SEVERA	
Tolimán	3.5	2.3	1.7	1.2	240.4	259.4	141.4	15.0	760.8	5.5	SEVERA	
Tomatlán	3.6	1.2	2.6	2.8	297.2	340.8	114.3	14.0	579.8	3.8	MUY SEVERA	
Tonalá	4.4	2.0	2.5	1.8	297.0	192.7	118.8	13.0	743.7	4.4	MUY SEVERA	
Tonaya	5.0	2.4	2.5	2.5	273.0	349.7	109.1	14.0	648.6	4.0	MUY SEVERA	
Tonila	3.7	1.9	1.6	0.6	256.6	193.6	160.3	16.0	706.3	5.2	SEVERA	
Totatiche	5.0	1.6	1.8	1.0	251.1	200.2	139.5	21.0	522.9	6.7	VASTA	
Tototlán	3.4	1.5	1.8	1.2	260.5	180.2	144.7	17.0	694.4	4.6	SEVERA	
Tuxcacuesco	7.3	2.3	3.5	2.1	780.8	534.9	223.0	21.0	802.0	4.4	EXTREMADAMENTE VASTA	
Tuxcueca	5.7	3.0	2.6	1.3	314.0	284.4	120.7	14.0	721.2	6.6	MUY SEVERA	
Tuxpan	4.3	1.8	1.9	0.9	281.6	199.7	148.2	16.0	738.1	5.7	SEVERA	
Unión de San Antonio	3.5	1.3	1.6	1.3	281.2	341.2	175.7	27.0	466.3	5.0	VASTA	
Unión de Tula	4.1	1.3	2.2	1.2	288.7	228.4	131.2	16.0	686.5	3.7	MUY SEVERA	
Valle de Guadalupe	5.7	3.2	2.3	1.3	356.1	187.3	154.8	23.0	515.2	9.0	MUY VASTA	
Valle de Juárez	3.7	1.6	2.1	1.2	346.3	263.7	164.9	19.0	689.3	4.1	MUY SEVERA	
San Gabriel	4.7	2.1	2.3	1.7	256.0	141.3	111.3	14.0	651.7	4.6	MUY SEVERA	
Villa Corona	3.8	1.9	1.5	0.7	239.7	183.7	159.8	20.0	623.2	6.9	SEVERA	
Villa Guerrero	6.0	2.8	2.7	0.8	374.9	184.8	138.8	22.0	488.9	6.2	MUY VASTA	
Villa Hidalgo	3.2	1.0	1.5	0.9	174.6	260.4	116.4	20.0	456.8	6.1	SEVERA	
Cañadas de Obregón	4.5	1.5	2.1	1.1	366.0	225.3	174.2	28.0	427.4	7.3	MUY VASTA	
Yahualica de González Gallo	3.1	0.7	1.4	0.4	197.3	115.1	140.9	19.0	582.3	4.2	SEVERA	
Zacoalco de Torres	5.0	2.1	2.5	1.1	311.8	235.1	124.7	20.0	484.3	4.7	MUY SEVERA	
Zapopan	4.5	2.0	1.9	1.4	251.4	122.3	132.3	13.0	829.5	2.2	SEVERA	
Zapotiltic	4.2	2.2	1.9	2.0	309.7	325.6	163.0	11.0	1198.4	4.8	SEVERA	
Zapotitlán de Vadillo	3.5	2.3	1.7	1.2	240.4	259.4	141.4	15.0	760.8	5.5	SEVERA	
Zapotlán del Ray	4.3	1.7	1.7	0.6	178.1	92.8	104.7	12.0	706.0	5.8	SEVERA	
Zapotlanejo	3.7	1.2	1.5	1.2	320.7	432.2	213.8	29.0	502.2	5.7	VASTA	
Estatad	5.7	2.5	3.0	2.2	240.4	183.2	80.1	9.0	727.3	5.1	EXTRAORDINARIA	

Tabla C.103. Características de la sequía promedio de cada municipio del estado de Jalisco.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración/ I^* máx	% de I^* máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_c	$I^*(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Acatlic	704.4	4.0	176.1	19.0	195.6	1.0	22.0	75.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Acatlán de J.	676.7	2.0	338.3	43.0	338.3	2.0	43.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ahualulco	399.4	1.0	399.4	44.0	399.4	1.0	44.0	88.8	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amacueca	701.2	6.0	116.8	18.0	201.4	1.0	32.0	33.3	33.3	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Amatlán	596.7	3.0	198.9	21.0	211.8	1.0	23.0	71.4	0.0	14.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0
Ameca	506.4	5.0	101.2	12.0	166.3	2.0	20.0	28.5	28.5	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0
San Juanito E.	585.3	3.0	195.1	21.0	366.4	1.0	39.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arandas	495.1	2.0	247.5	27.0	247.5	2.0	27.0	66.6	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arenal	307.4	3.0	102.4	11.0	290.6	1.0	31.0	66.6	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atemajac	712.8	7.0	101.8	14.0	242.3	2.0	34.0	57.1	28.5	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.0
Atengo	1142.1	7.0	163.1	18.0	163.1	7.0	18.0	60.0	0.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
Atenguillo	868.8	4.0	217.2	20.0	255.5	3.0	24.0	33.3	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Atotonilco	601.6	3.0	200.5	23.0	254.9	1.0	29.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Atoyac	701.2	6.0	116.8	18.0	201.4	1.0	32.0	33.3	33.3	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Autlán de N.	900.7	4.0	225.1	26.0	264.7	1.0	31.0	71.4	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Ayotlán	877.4	6.0	146.2	17.0	243.0	1.0	29.0	87.5	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Ayutla	659.3	3.0	219.7	26.0	219.7	3.0	26.0	28.5	42.8	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Barca, La	601.6	3.0	200.5	23.0	254.9	1.0	29.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Bolaños	661.1	4.0	165.2	26.0	165.2	4.0	26.0	0.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Cabo C.	856.8	6.0	142.8	12.0	260.8	3.0	22.0	37.5	37.5	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Casimiro C.	753.9	2.0	376.9	33.0	376.9	2.0	33.0	71.4	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cihuatlán	730.9	4.0	182.7	19.0	724.6	1.0	77.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Zapotlán el G.	926.9	6.0	154.4	11.0	325.4	1.0	23.0	80.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
Cocula	415.0	5.0	83.0	9.0	219.7	1.0	26.0	71.4	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Colotlán	550.8	3.0	183.6	28.0	196.1	1.0	30.0	57.1	0.0	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Concepción B.	601.0	5.0	120.2	15.0	204.0	1.0	26.0	33.3	50.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Cuauteitlán G.	1162.3	3.0	387.4	23.0	387.4	3.0	23.0	57.1	0.0	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Cuatla	943.2	4.0	235.8	21.0	387.7	1.0	35.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Cuquio	296.6	1.0	296.6	36.0	296.6	1.0	36.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chapaia	452.5	4.0	113.1	12.0	218.7	2.0	24.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Chimaltitán	661.1	4.0	165.2	26.0	165.2	4.0	26.0	0.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.104. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Jalisco.

Municipio	Características máximas de la sequía meteorológica municipal						Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad	Duración	I [*] =Smáx/Dmáx	% de I [*]	Intensidad	Duración / máx	% de I / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I [*] (mm/año)	respecto a X _s	I máx(mm/año)	D / máx(años)	respecto a X _s	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Chiquilistlán	986.4	5.0	197.2	27.0	268.7	2.0	37.0	50.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0
Degollado	877.4	6.0	146.2	17.0	243.0	1.0	29.0	87.5	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Ejutla	986.4	5.0	197.2	27.0	268.7	2.0	37.0	50.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0
Encarnación	995.7	5.0	199.1	35.0	199.1	5.0	35.0	50.0	37.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Elzatlán	545.7	3.0	181.9	21.0	378.3	1.0	44.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Grullo, El	900.7	4.0	225.1	26.0	264.7	1.0	31.0	71.4	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Guachinango	718.5	3.0	239.5	25.0	239.5	3.0	25.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Guadalajara	472.0	1.0	472.0	49.0	472.0	1.0	49.0	75.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hostotpaquillo	284.8	1.0	284.8	32.0	284.8	1.0	32.0	60.0	30.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Huejúcar	738.0	4.0	184.5	30.0	209.6	1.0	34.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Huejuquilla Alto	916.8	6.0	152.8	26.0	152.8	6.0	26.0	42.8	28.5	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Huerta, La	1356.6	6.0	226.1	24.0	226.1	6.0	24.0	25.0	0.0	25.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0
Ixtlahuacán M.	530.3	3.0	176.7	21.0	218.5	1.0	26.0	62.5	12.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Ixtlahuacán Río	518.7	4.0	129.6	14.0	432.5	1.0	47.0	87.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Jalostitlán	1096.4	5.0	219.2	33.0	219.2	5.0	33.0	57.1	28.5	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Jamay	601.6	3.0	200.5	23.0	254.9	1.0	29.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Jesús María	1102.8	4.0	275.7	33.0	291.4	1.0	35.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Jilotlán de D.	699.7	5.0	139.9	13.0	351.0	1.0	35.0	85.7	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Jocotepec	548.4	3.0	182.8	23.0	229.3	1.0	29.0	57.1	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Juanacatlán	632.4	4.0	158.1	18.0	270.2	1.0	32.0	71.4	0.0	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Juchitán	986.4	5.0	197.2	27.0	268.7	2.0	37.0	50.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0
Lagos de M.	820.1	4.0	205.0	37.0	205.0	4.0	37.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Limón, El	986.4	5.0	197.2	27.0	268.7	2.0	37.0	50.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0
Magdalena	360.7	1.0	360.7	39.0	360.7	1.0	39.0	88.8	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sta Ma.del Oro	699.7	5.0	139.9	13.0	351.0	1.0	35.0	85.7	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Manzanilla, La	601.0	5.0	120.2	15.0	204.0	1.0	26.0	33.3	50.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Mascota	784.4	4.0	196.1	18.0	200.7	1.0	18.0	33.3	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Mazamita	533.0	4.0	133.2	14.0	196.4	2.0	21.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Mexiacacán	904.8	5.0	180.9	28.0	180.9	5.0	28.0	33.3	33.3	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Mezquitic	1171.2	6.0	195.2	28.0	317.7	1.0	46.0	80.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
Mixtlán	840.1	3.0	280.0	32.0	280.0	3.0	32.0	66.6	11.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.104. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Jalisco.

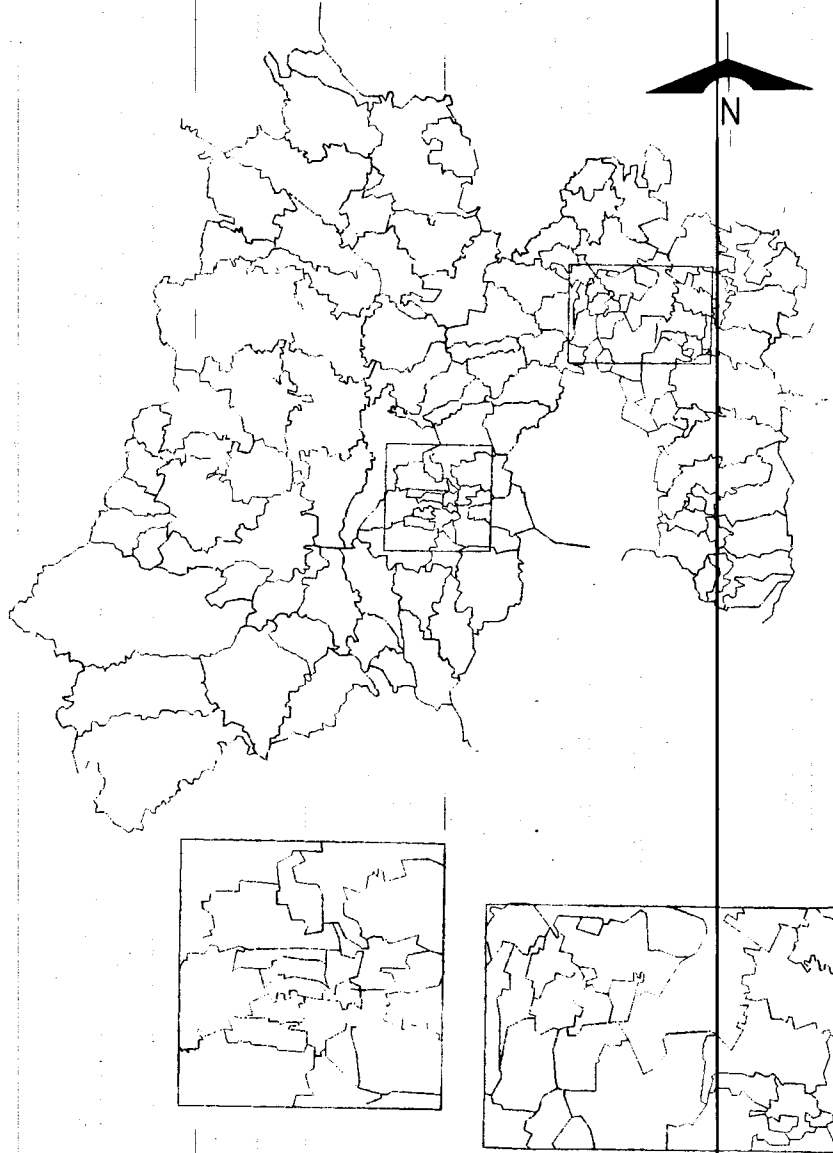
Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$P = S_{máx}/I_{máx}$	% de P	Intensidad	Duración / máx	% de $I_{máx}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I_{máx}(mm/año)$	respecto a X_0	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_0	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Ocotlán	692.3	6.0	115.3	14.0	200.1	1.0	25.0	57.1	28.5	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Ojuelos de Jal.	772.9	5.0	154.5	29.0	347.1	1.0	66.0	50.0	16.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Pihuamo	712.0	2.0	356.0	38.0	356.0	2.0	38.0	28.5	57.1	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Poncitlán	395.6	2.0	197.8	25.0	197.8	2.0	25.0	55.5	33.3	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Puerto Vallarta	856.8	6.0	142.8	12.0	260.8	3.0	22.0	37.5	37.5	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Villa Purificación	284.6	2.0	142.3	22.0	178.1	1.0	28.0	55.5	22.2	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Quitupan	704.7	2.0	352.3	35.0	352.3	2.0	35.0	33.3	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Salto, El	625.1	6.0	104.1	12.0	313.3	1.0	36.0	50.0	0.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0
San Cristóbal	587.2	4.0	146.8	17.0	146.8	4.0	17.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
San Diego	698.2	4.0	174.5	23.0	269.5	2.0	36.0	37.5	50.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
San Juan de L.	1232.2	6.0	205.3	31.0	205.3	6.0	31.0	87.5	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
San Julián	1329.4	5.0	265.8	41.0	265.8	5.0	41.0	50.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
San Marcos	439.3	3.0	146.4	17.0	146.6	1.0	17.0	70.0	10.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
San Martín de B.	796.9	3.0	265.6	38.0	265.6	3.0	38.0	42.8	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
San Martín Hgo	415.0	5.0	83.0	9.0	219.7	1.0	26.0	71.4	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
San Miguel el A.	1014.0	4.0	253.5	35.0	253.5	4.0	35.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Gómez Farías	926.9	6.0	154.4	11.0	325.4	1.0	23.0	80.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
San Sebastián	316.2	2.0	158.1	14.0	270.1	1.0	25.0	44.4	44.4	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Sta Ma. de los A.	563.4	4.0	140.8	22.0	189.7	1.0	30.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Sayula	585.2	5.0	117.0	15.0	152.8	2.0	20.0	37.5	37.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Tala	1110.7	4.0	277.6	29.0	277.6	4.0	29.0	75.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Talpa de Allende	715.6	4.0	178.9	14.0	487.1	1.0	39.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Tamazula de G.	570.4	2.0	285.2	27.0	338.7	1.0	32.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tapalpa	604.1	7.0	86.3	10.0	195.4	1.0	23.0	33.3	33.3	0.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0
Tecalitlán	480.1	2.0	240.0	26.0	240.2	2.0	26.0	28.5	57.1	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tecolotlán	608.1	4.0	152.0	18.0	152.0	4.0	18.0	42.8	28.5	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Techaluta de M.	1329.1	8.0	166.1	17.0	209.5	1.0	22.0	57.1	28.5	0.0	0.0	0.0	0.0	0.0	14.2	0.0	0.0
Tenamaxtlán	986.4	5.0	197.2	27.0	268.7	2.0	37.0	50.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0
Teocaltiche	967.5	4.0	241.8	40.0	241.8	4.0	40.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Teocuitlán	470.9	3.0	156.9	18.0	156.9	3.0	18.0	42.8	28.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Tepatitlán de M.	786.3	4.0	191.5	21.0	218.0	1.0	24.0	75.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.104. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Jalisco.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	P ^o Smáx/Dmáx	% de P ^o	Intensidad	Duración / máx	% de I / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	P ^o (mm/año)	respecto a X _o	I máx(mm/año)	D / máx(años)	respecto a X _o	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Tequila	689.5	3.0	229.8	26.0	346.1	1.0	39.0	50.0	12.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Teuchitlán	847.5	4.0	211.8	24.0	234.7	1.0	27.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Tizapán el Alto	335.1	2.0	167.5	22.0	223.8	1.0	30.0	44.4	55.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tlajomulco de Z.	347.9	4.0	86.9	10.0	327.3	1.0	0.5	39.0	77.7	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0
Tlaquepaque	360.6	2.0	180.3	19.0	186.3	1.0	0.2	20.0	50.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Tolimán	867.0	2.0	433.5	48.0	433.5	2.0	0.1	48.0	62.5	25.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Tomatlán	1019.1	9.0	113.2	14.0	190.8	2.0	0.5	24.0	50.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	16.6
Tonalá	625.1	6.0	104.1	12.0	313.3	1.0	0.1	36.0	50.0	0.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0
Tonaya	1046.7	8.0	130.8	17.0	160.3	1.0	0.4	21.0	50.0	33.3	0.0	0.0	0.0	0.0	0.0	16.6	0.0
Tonila	735.9	2.0	367.9	38.0	367.9	2.0	0.5	38.0	50.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Totatiche	638.2	4.0	159.5	24.0	266.2	1.0	0.2	40.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Tototlán	662.5	5.0	132.5	15.0	209.0	2.0	0.2	24.0	50.0	37.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Tuxcacuesco	1546.7	7.0	220.9	21.0	293.3	3.0	0.1	28.0	25.0	0.0	50.0	0.0	0.0	0.0	25.0	0.0	0.0
Tuxcueca	827.3	5.0	165.4	19.0	177.7	2.0	0.2	21.0	20.0	40.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0
Tuxpan	579.3	2.0	289.6	32.0	289.6	2.0	0.1	32.0	42.8	14.2	42.8	0.0	0.0	0.0	0.0	0.0	0.0
Unión de S. A.	1136.5	5.0	227.3	35.0	227.3	5.0	0.0	35.0	75.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Unión de Tula	659.3	3.0	219.7	26.0	219.7	3.0	0.1	26.0	28.5	42.8	14.2	0.0	14.2	0.0	0.0	0.0	0.0
Valle de Gpe	558.2	4.0	139.5	20.0	329.0	1.0	0.1	49.0	40.0	20.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0
Valle de Juárez	798.8	5.0	159.7	18.0	222.0	3.0	0.1	25.0	37.5	37.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0
San Gabriel	530.0	6.0	88.3	11.0	180.1	1.0	0.5	23.0	50.0	16.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0
Villa Corona	676.7	2.0	338.3	43.0	338.3	2.0	0.4	43.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Villa Guerrero	661.1	4.0	165.2	26.0	165.2	4.0	0.1	26.0	0.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0
Villa Hidalgo	943.8	4.0	235.9	41.0	235.9	4.0	0.1	41.0	66.6	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0
Cañadas de O.	794.1	4.0	198.5	32.0	343.2	1.0	0.1	57.0	40.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
Yahualica de G.	401.7	2.0	200.8	27.0	209.2	1.0	0.5	28.0	55.5	44.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zacoalco de T.	785.2	4.0	196.3	32.0	302.9	1.0	0.4	49.0	33.3	0.0	50.0	16.6	0.0	0.0	0.0	0.0	0.0
Zapopan	496.7	2.0	248.3	25.0	312.2	1.0	0.1	32.0	57.1	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0
Zapotitlic	926.9	6.0	154.4	11.0	325.4	1.0	0.5	23.0	80.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
Zapotitlán de V.	867.0	2.0	433.5	48.0	433.5	2.0	0.4	48.0	62.5	25.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Zapotlán del Rey	294.1	2.0	147.0	18.0	215.0	1.0	0.2	26.0	42.8	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Zapotlanejo	1177.4	4.0	294.3	41.0	294.3	4.0	0.1	41.0	80.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Eslatal	500.7	7.0	71.5	8.0	137.1	1.0	16.0	40.0	20.0	0.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0

Tabla C.104. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Jalisco.

ESTADO DE MÉXICO



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv	Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
X_p (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min	
HA15001	838.1	854.3	201.4	-1.3	8.7	0.24	848.0	721.0	624.0	514.0	346.0	209.0	79.1	146.0	136.3
HA15002	563.2	576.5	176.1	-0.2	3.0	0.31	583.0	428.0	328.0	232.0	108.0	15.0	12.5	227.8	20.6
HA15003	733.3	708.7	107.5	-0.1	3.3	0.15	713.0	661.0	633.0	600.0	541.0	485.0	58.0	483.8	101.8
HA15004	902.3	923.3	191.0	-0.7	3.2	0.21	939.0	749.0	636.0	531.0	398.0	299.0	20.9	453.3	34.1
HA15005	1133.3	1151.2	254.9	-0.5	3.7	0.22	1138.0	933.0	820.0	715.0	582.0	483.0	33.7	538.1	68.1
HA15008	593.9	582.0	113.7	0.7	4.0	0.19	576.0	505.0	461.0	417.0	358.0	311.0	7.1	436.4	14.8
HA15010	838.9	825.2	130.9	0.6	3.4	0.16	819.0	733.0	681.0	630.0	563.0	510.0	9.0	638.3	17.9
HA15011	871.1	840.0	142.8	0.2	3.6	0.16	855.0	763.0	707.0	653.0	580.0	524.0	19.7	594.5	41.9
HA15012	1003.2	1004.9	221.9	-0.1	3.9	0.22	1024.0	840.0	720.0	605.0	456.0	343.0	19.9	503.5	37.3
HA15013	767.5	799.4	110.3	0.0	3.5	0.14	786.0	617.0	594.0	560.0	470.0	401.0	4.8	573.4	16.5
HA15014	829.9	859.5	168.9	-0.5	4.6	0.20	826.0	707.0	631.0	560.0	467.0	398.0	26.0	468.2	49.6
HA15016	1065.9	1081.8	183.8	-0.6	4.8	0.17	1073.0	936.0	849.0	768.0	663.0	584.0	60.3	557.0	127.0
HA15017	641.3	650.8	87.5	-0.4	3.5	0.14	647.0	574.0	528.0	485.0	429.0	387.0	27.2	428.3	50.7
HA15018	748.1	719.0	201.2	2.7	14.8	0.27	733.0	601.0	510.0	417.0	277.0	135.0	5.6	475.5	13.0
HA15020	631.7	618.3	111.5	0.4	3.4	0.18	617.0	538.0	490.0	443.0	377.0	323.0	12.0	432.5	23.1
HA15022	572.4	579.2	106.3	-0.5	4.6	0.19	578.0	513.0	466.0	415.0	338.0	274.0	53.6	282.8	91.1
HA15023	583.7	601.7	114.7	-0.2	3.1	0.20	594.0	483.0	436.0	394.0	340.0	299.0	16.2	363.1	33.6
HA15024	888.5	888.0	131.5	0.0	4.5	0.15	877.0	795.0	745.0	697.0	636.0	590.0	38.9	600.5	85.7
HA15025	883.3	887.8	200.1	0.2	4.0	0.23	887.0	715.0	604.0	497.0	359.0	256.0	9.8	523.6	16.8
HA15026	723.0	727.0	169.1	-1.2	5.8	0.23	742.0	654.0	589.0	514.0	394.0	295.0	74.8	269.3	119.0
HA15027	826.7	810.3	114.1	0.3	3.3	0.14	810.0	738.0	694.0	653.0	598.0	555.0	16.0	618.6	35.3
HA15028	683.2	677.7	145.2	0.1	3.0	0.21	680.0	557.0	485.0	416.0	323.0	251.0	10.5	425.4	18.1
HA15029	711.5	739.7	192.8	-0.3	3.5	0.27	727.0	563.0	458.0	359.0	230.0	134.0	17.2	308.2	28.6
HA15030	841.3	847.1	131.7	-0.4	3.5	0.16	846.0	743.0	679.0	619.0	542.0	485.0	25.4	545.2	48.3
HA15031	654.0	670.2	142.1	-0.4	3.2	0.22	670.0	546.0	467.0	393.0	296.0	224.0	17.0	356.5	28.1
HA15033	1109.6	1106.3	200.0	-1.0	5.6	0.18	1128.0	974.0	876.0	782.0	662.0	571.0	80.5	505.0	166.3
HA15034	977.8	999.0	219.7	-0.5	3.3	0.22	816.2	621.9	493.4	370.0	210.4	90.7	5.4	525.3	8.4
HA15035	892.3	970.3	268.7	-0.6	3.5	0.30	968.0	606.0	425.0	401.0	342.0	219.0	6.1	355.6	44.5
HA15036	759.7	771.7	131.2	-0.3	3.5	0.17	763.0	662.0	598.0	537.0	457.0	396.0	23.5	470.7	42.5
HA15037	897.7	898.0	175.6	0.4	3.4	0.20	901.0	754.0	658.0	566.0	444.0	350.0	8.1	619.3	13.4
HA15038	1054.9	1036.1	215.9	-0.1	2.2	0.20	1046.0	859.0	754.0	657.0	533.0	441.0	8.2	714.7	13.2
HA15039	744.6	764.9	168.1	0.5	3.7	0.23	732.0	580.0	507.0	428.0	304.0	200.0	6.4	490.8	11.6
HA15040	568.9	586.8	97.3	-0.5	3.1	0.17	582.0	498.0	442.0	390.0	322.0	271.0	11.2	400.6	17.3
HA15041	605.9	610.4	102.7	-0.4	3.9	0.17	615.0	528.0	471.0	416.0	345.0	291.0	27.1	347.6	48.3
HA15042	597.2	581.6	131.6	-0.1	3.5	0.22	586.0	503.0	447.0	375.0	269.0	187.0	23.4	300.4	38.2
HA15044	605.1	598.1	82.5	-0.2	3.6	0.14	600.0	548.0	516.0	485.0	440.0	403.0	42.3	414.5	81.3

Tabla C.105. Características estadísticas de la lluvia anual de cada estación climatológica del estado de México.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes períodos					de retorno (Tr)	Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X_e (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp mín(mm)	Hp mín
HA15045	1159.6	1183.4	169.9	0.4	3.0	0.15	1149.0	996.0	973.0	947.0	877.0	793.0	6.3	932.6	26.1
HA15046	910.5	897.1	186.0	0.6	6.1	0.20	773.6	609.2	500.3	395.9	260.8	159.5	4.1	560.7	6.8
HA15047	700.8	726.6	153.3	-0.9	7.4	0.22	726.0	629.0	560.0	487.0	376.0	275.0	67.3	257.4	111.9
HA15048	930.2	897.2	102.7	1.3	6.4	0.11	887.0	839.0	800.0	739.0	629.0	544.0	3.9	810.9	8.4
HA15049	834.4	829.1	174.2	-0.2	5.4	0.21	840.0	733.0	619.0	475.0	280.0	135.0	15.6	444.0	23.1
HA15050	538.7	520.8	120.3	0.5	3.3	0.22	506.0	428.0	394.0	348.0	259.0	183.0	13.5	324.4	26.4
HA15051	872.4	850.4	121.4	0.4	2.4	0.14	847.0	762.0	734.0	705.0	657.0	609.0	7.5	705.6	19.7
HA15053	1084.9	1048.0	148.9	0.3	3.2	0.14	1043.0	971.0	929.0	885.0	814.0	746.0	30.3	791.6	63.6
HA15055	637.5	608.7	131.2	0.4	4.1	0.21	616.0	529.0	472.0	412.0	322.0	245.0	17.3	365.1	32.9
HA15057	1038.9	1062.1	135.8	-0.5	3.0	0.13	1062.0	921.0	857.0	800.0	729.0	676.0	22.8	739.0	43.8
HA15058	883.5	858.5	141.3	1.3	6.7	0.16	856.0	801.0	764.0	722.0	647.0	561.0	23.1	647.4	49.8
HA15059	812.9	810.0	138.1	0.6	3.9	0.17	790.0	690.0	626.0	560.0	463.0	381.0	9.8	566.2	18.8
HA15060	749.2	750.9	300.2	0.1	3.8	0.40	761.0	531.0	381.0	237.0	52.0	0.0	15.8	159.0	29.4
HA15061	603.6	636.0	90.8	-0.7	4.8	0.15	612.0	542.0	496.0	452.0	394.0	350.0	43.8	362.9	81.4
HA15062	1171.7	1156.1	181.6	-0.1	2.5	0.15	1164.0	1018.0	934.0	855.0	754.0	678.0	11.7	855.7	19.8
HA15063	854.2	845.0	120.5	0.0	5.7	0.14	839.0	762.0	713.0	667.0	608.0	563.0	67.8	529.3	170.5
HA15065	524.3	493.6	128.8	0.9	4.4	0.25	486.0	410.0	360.0	297.0	187.0	95.0	8.6	318.2	16.2
HA15066	910.5	900.7	128.9	0.1	2.0	0.14	907.0	787.0	757.0	730.0	696.0	669.0	10.1	715.6	29.6
HA15067	1121.9	1141.6	386.0	-0.7	5.5	0.34	1098.0	822.0	655.0	497.0	294.0	143.0	84.0	5.5	188.5
HA15068	1310.8	1311.0	195.4	-0.2	2.6	0.15	1316.0	1147.0	1045.0	949.0	827.0	736.0	11.4	959.1	18.6
HA15069	704.8	734.9	175.3	-0.3	2.4	0.25	749.0	501.0	459.0	424.0	378.0	341.0	7.7	413.0	25.0
HA15070	938.6	950.2	122.4	-0.3	2.9	0.13	940.0	833.0	769.0	708.0	630.0	572.0	11.4	718.0	17.8
HA15071	774.8	797.8	177.9	-0.9	5.1	0.23	807.0	696.0	543.0	375.0	162.0	4.0	18.5	313.9	25.9
HA15072	827.3	831.2	152.9	0.2	3.5	0.18	814.0	710.0	645.0	584.0	503.0	441.0	17.1	537.5	33.8
HA15073	706.4	703.4	88.9	0.1	4.6	0.13	702.0	640.0	592.0	538.0	452.0	380.0	22.6	484.3	35.9
HA15074	674.1	689.1	107.8	0.0	2.6	0.16	677.0	574.0	539.0	506.0	461.0	425.0	13.4	484.1	31.5
HA15075	765.0	752.2	149.2	0.8	4.7	0.20	737.0	624.0	570.0	475.0	330.0	222.0	7.7	532.8	13.6
HA15076	815.6	821.5	138.0	-0.3	3.5	0.17	816.0	712.0	648.0	587.0	510.0	452.0	27.7	504.8	53.1
HA15077	931.1	920.3	136.9	0.5	2.8	0.15	899.0	812.0	764.0	718.0	657.0	609.0	6.9	742.3	13.9
HA15078	754.5	767.7	185.2	-0.9	4.8	0.25	618.2	454.5	346.1	242.1	107.5	6.6	10.4	257.0	18.1
HA15079	819.5	808.2	159.6	0.6	4.4	0.19	786.0	687.0	623.0	550.0	431.0	329.0	12.7	533.6	22.9
HA15080	706.3	706.0	243.3	0.7	4.3	0.34	698.0	548.0	449.0	348.0	203.0	79.0	11.8	320.2	24.0
HA15081	633.9	638.5	117.0	-0.1	3.1	0.18	637.0	536.0	476.0	420.0	347.0	291.0	12.8	408.0	23.2
HA15082	934.1	908.0	139.2	-0.3	3.3	0.15	916.0	833.0	784.0	728.0	637.0	561.0	32.6	622.5	57.1
HA15083	563.1	551.7	89.1	0.5	2.8	0.16	543.0	481.0	448.0	414.0	366.0	325.0	6.8	435.4	13.0
HA15084	906.9	924.2	209.3	-0.4	3.3	0.23	920.0	741.0	635.0	535.0	407.0	311.0	19.6	453.2	35.8

Tabla C.105. Características estadísticas de la lluvia anual de cada estación climatológica del estado de México.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de					retorno (Tr)	Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X_o (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
HA15085	801.7	789.2	151.8	0.4	4.0	0.19	784.0	693.0	636.0	582.0	511.0	457.0	27.3	492.6	63.1
HA15086	793.7	772.6	130.5	-0.1	3.4	0.16	781.0	690.0	638.0	588.0	525.0	478.0	25.1	521.3	53.1
HA15087	772.9	779.5	203.1	-0.8	4.7	0.26	780.0	636.0	545.0	459.0	348.0	265.0	32.1	328.0	59.2
HA15088	1281.4	1253.8	168.5	0.2	2.4	0.13	1253.0	1134.0	1070.0	1012.0	938.0	883.0	9.1	1024.7	17.2
HA15090	602.8	579.5	106.8	0.9	4.5	0.18	588.0	519.0	473.0	422.0	345.0	275.0	6.7	455.1	12.8
HA15092	608.5	586.5	99.0	0.2	3.7	0.16	588.0	532.0	499.0	466.0	416.0	372.0	44.6	377.3	92.2
HA15095	1173.2	1175.5	165.5	-0.2	2.9	0.14	1184.0	1026.0	940.0	861.0	758.0	681.0	11.2	865.6	19.2
HA15096	588.5	565.0	152.1	1.1	5.2	0.26	560.0	458.0	387.0	309.0	182.0	68.0	6.1	371.0	11.6
HA15098	677.8	663.7	85.1	-0.1	3.4	0.13	672.0	617.0	583.0	547.0	494.0	450.0	20.1	514.6	35.4
HA15099	606.0	581.5	148.3	0.7	3.4	0.24	593.0	510.0	458.0	406.0	334.0	274.0	9.2	409.5	19.2
HA15100	752.1	741.5	112.2	0.8	5.4	0.15	734.0	664.0	617.0	566.0	487.0	417.0	8.9	578.0	17.1
HA15101	614.4	614.0	98.8	0.0	2.6	0.16	606.0	533.0	492.0	454.0	405.0	369.0	13.0	442.3	25.0
HA15102	842.7	845.5	203.6	-0.4	3.1	0.24	849.0	670.0	582.0	503.0	402.0	328.0	25.6	400.6	50.7
HA15103	899.8	875.0	131.4	0.9	4.8	0.15	871.0	807.0	763.0	716.0	639.0	565.0	22.8	644.9	47.3
HA15104	855.1	854.0	151.6	0.1	3.1	0.18	843.0	727.0	681.0	634.0	561.0	497.0	15.6	598.6	31.9
HA15105	793.3	757.0	159.5	-0.1	3.6	0.20	757.0	681.0	635.0	579.0	481.0	393.0	45.5	424.1	78.4
HA15106	1013.5	1019.7	191.1	-0.7	4.5	0.19	1033.0	888.0	764.0	631.0	452.0	317.0	19.7	552.6	29.9
HA15107	906.0	884.2	176.2	0.8	5.4	0.19	889.0	789.0	710.0	610.0	435.0	285.0	21.2	513.2	34.0
HA15108	838.5	835.0	81.3	-0.3	3.3	0.10	839.0	775.0	738.0	703.0	658.0	624.0	20.5	670.0	38.9
HA15109	1080.1	1064.0	178.3	-0.1	4.4	0.17	1072.0	945.0	860.0	775.0	656.0	559.0	39.9	602.2	73.8
HA15110	606.9	625.7	124.5	-0.9	4.6	0.21	515.3	405.2	332.3	262.4	172.0	104.1	7.1	318.8	11.4
HA15114	1223.0	1247.9	266.4	-1.0	5.3	0.22	1262.0	1040.0	894.0	754.0	574.0	439.0	53.7	436.4	101.1
HA15115	604.7	596.7	103.2	0.0	2.5	0.17	595.0	512.0	480.0	450.0	411.0	382.0	24.3	403.2	60.5
HA15117	757.6	734.1	180.3	0.1	3.9	0.24	729.0	624.0	553.0	475.0	353.0	248.0	37.3	312.5	65.8
HA15118	1251.0	1203.1	291.2	0.6	3.4	0.23	1193.0	1012.0	903.0	795.0	645.0	521.0	10.5	779.9	22.0
HA15119	882.7	889.5	177.7	0.1	4.6	0.20	891.0	778.0	659.0	513.0	317.0	171.0	13.3	518.0	19.6
HA15121	1170.6	1176.8	152.5	0.3	3.4	0.13	1167.0	1073.0	1014.0	958.0	886.0	832.0	16.1	921.5	31.8
HA15124	584.9	609.4	124.2	-1.1	5.9	0.21	600.0	495.0	430.0	368.0	289.0	230.0	81.7	189.8	160.5
HA15125	586.7	596.3	75.7	-0.1	2.4	0.13	601.0	512.0	496.0	481.0	460.0	441.0	35.4	439.4	104.8
HA15127	836.8	819.3	108.1	0.7	3.6	0.13	826.0	767.0	730.0	694.0	645.0	607.0	14.8	667.1	33.2
HA15128	812.2	833.5	125.8	-0.2	4.1	0.15	821.0	719.0	647.0	573.0	465.0	375.0	18.3	524.5	30.4
HA15129	638.5	636.5	119.0	-0.1	3.6	0.19	631.0	540.0	482.0	413.0	314.0	236.0	18.4	368.8	30.3
HA15130	867.2	856.4	114.0	0.3	3.6	0.13	867.0	769.0	705.0	645.0	566.0	508.0	7.9	683.7	12.7
HA15131	973.3	981.0	159.4	0.6	4.0	0.16	951.0	815.0	761.0	681.0	539.0	428.0	6.9	724.0	14.3
HA15133	876.2	890.4	133.0	-0.1	2.7	0.15	882.0	735.0	705.0	667.0	585.0	512.0	21.6	607.0	40.3
HA15134	973.7	1005.3	183.5	-0.3	4.4	0.19	1015.0	908.0	794.0	627.0	383.0	201.0	17.3	585.5	23.4

Tabla C.105. Características estadísticas de la lluvia anual de cada estación climatológica del estado de México.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv	Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _o (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
HA15135	595.8	602.6	150.4	-1.2	7.3	0.25	599.0	518.0	449.0	363.0	236.0	137.0	59.6	143.3	96.0
HA15136	1264.5	1241.7	285.3	0.6	4.1	0.23	1211.0	997.0	861.0	710.0	477.0	283.0	8.9	756.5	16.3
HA15138	473.0	447.0	119.3	0.7	5.0	0.25	459.0	385.0	338.0	293.0	234.0	189.0	11.6	282.2	23.7
HA15141	605.5	552.7	196.7	1.4	6.0	0.32	547.0	455.0	392.0	320.0	191.0	60.0	5.3	369.8	12.6
HA15145	469.5	508.0	116.8	-0.2	3.4	0.25	480.0	353.0	303.0	253.0	180.0	120.0	9.2	263.0	17.5
HA15146	887.7	901.2	169.0	-0.9	4.7	0.19	921.0	803.0	709.0	605.0	456.0	339.0	30.6	462.2	48.2
HA15148	771.0	780.6	181.5	-0.9	5.9	0.24	784.0	675.0	574.0	448.0	269.0	133.0	41.5	219.0	64.6
HA15149	959.8	975.0	205.5	-1.4	5.5	0.21	1018.0	841.0	681.0	515.0	301.0	143.0	17.9	467.1	24.5
HA15156	767.8	706.9	222.6	1.7	7.0	0.29	693.0	597.0	526.0	436.0	247.0	65.0	3.4	538.6	8.9
HA15159	1279.5	1399.3	371.7	-1.6	8.5	0.29	1394.0	1021.0	811.0	618.0	375.0	194.0	29.1	391.6	46.9
HA15160	867.2	848.9	192.4	-0.9	6.8	0.22	870.0	733.0	647.0	566.0	461.0	383.0	75.9	328.2	162.2
HA15163	628.8	651.0	164.4	-1.5	6.5	0.26	655.0	528.0	444.0	363.0	258.0	180.0	31.5	250.5	53.6
HA15164	733.0	719.8	107.7	1.2	7.0	0.15	734.0	661.0	614.0	567.0	504.0	455.0	12.4	545.5	27.5
HA15165	893.2	931.5	206.8	0.3	3.9	0.23	889.0	697.0	642.0	548.0	380.0	251.0	12.3	543.0	20.6
HA15166	860.3	881.5	235.6	0.0	2.5	0.27	884.0	699.0	584.0	475.0	335.0	230.0	11.0	491.3	18.0
HA15167	554.3	538.8	105.9	1.7	8.5	0.19	532.0	473.0	425.0	359.0	234.0	130.0	7.0	398.2	13.7
HA15170	581.4	581.0	99.4	-1.2	5.9	0.17	590.0	507.0	462.0	421.0	370.0	332.0	124.8	273.9	288.1
HA15173	1291.2	1291.0	228.1	0.1	4.7	0.18	1297.0	1107.0	977.0	844.0	656.0	501.0	10.6	873.5	17.2
HA15174	904.8	874.3	236.7	-0.4	3.3	0.26	904.0	729.0	624.0	525.0	399.0	304.0	22.1	429.8	39.9
HA15178	894.6	902.2	240.5	0.5	4.3	0.27	894.0	691.0	553.0	414.0	222.0	68.0	6.5	552.0	10.0
HA15183	938.3	976.2	223.9	-0.6	4.4	0.24	958.0	775.0	661.0	553.0	415.0	311.0	19.6	474.9	33.5
HA15184	1258.4	1272.1	185.2	-0.2	4.6	0.15	1251.0	1122.0	1041.0	963.0	864.0	789.0	16.4	920.6	29.5
HA15188	633.2	633.0	114.5	0.0	3.6	0.18	633.0	539.0	484.0	432.0	365.0	315.0	10.2	441.4	17.6
HA15189	804.0	803.0	189.7	-0.4	5.8	0.24	823.0	691.0	592.0	482.0	308.0	156.0	21.9	386.3	33.8
HA15191	993.9	1059.8	351.4	0.1	5.3	0.35	1004.0	734.0	546.0	353.0	77.0	0.0	12.5	353.5	20.0
HA15192	736.9	746.8	131.0	-0.3	4.6	0.18	640.5	524.7	448.0	374.5	279.3	207.9	4.4	489.9	6.8
HA15193	725.9	714.3	132.2	0.3	6.4	0.18	719.0	642.0	592.0	544.0	480.0	431.0	45.1	427.0	105.5
HA15194	739.5	725.2	268.7	0.2	4.6	0.36	716.0	511.0	407.0	304.0	157.0	35.0	8.6	340.9	15.6
HA15196	652.6	565.6	244.0	0.9	4.2	0.37	568.0	476.0	422.0	371.0	306.0	257.0	6.9	378.6	18.1
HA15197	919.3	989.7	246.7	-0.9	4.6	0.27	992.0	718.0	537.0	377.0	180.0	35.0	9.2	485.8	12.4
HA15198	1107.5	1132.8	258.4	-0.8	8.2	0.23	917.3	688.9	537.6	392.5	204.7	63.9	6.3	535.7	10.1
HA15199	953.5	966.7	156.3	-0.2	3.4	0.16	981.0	802.0	749.0	703.0	645.0	601.0	7.6	724.5	14.4
HA15200	1076.0	1078.7	336.0	-0.3	4.1	0.31	1087.0	815.0	652.0	500.0	305.0	160.0	10.8	532.2	17.2
HA15201	758.1	737.8	134.0	1.9	9.8	0.18	659.5	541.0	462.6	387.3	289.9	216.9	1.8	632.3	2.4
HA15216	507.1	491.4	79.8	1.1	4.9	0.16	486.0	456.0	438.0	420.0	397.0	380.0	11.2	407.2	33.3
HA15219	842.9	893.3	171.9	-0.5	3.2	0.20	884.0	681.0	604.0	538.0	457.0	397.0	11.7	535.5	20.6
HA15261	573.8	545.8	165.0	0.3	3.6	0.29	529.0	438.0	398.0	358.0	293.0	230.0	15.2	320.1	35.0

Tabla C.105. Características estadísticas de la lluvia anual de cada estación climatológica del estado de México.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA15001	255.7	365.4	475.1	584.8	694.6	804.3	914.0	1023.7	1133.4	1243.1	3.8	0.0	0.0	0.0	11.5	26.9	23.0	19.2	11.5	3.8
HA15002	297.0	366.1	435.3	504.5	573.7	642.8	712.0	781.2	850.3	919.5	10.3	6.8	3.4	13.7	13.7	17.2	13.7	13.7	3.4	3.4
HA15003	529.3	574.7	620.2	665.7	711.2	756.6	802.1	847.6	893.0	938.5	3.5	3.5	0.0	17.8	25.0	7.1	7.1	17.8	14.2	3.5
HA15004	524.5	595.7	667.0	738.2	809.4	880.6	951.8	1023.1	1094.3	1165.5	3.8	0.0	11.5	11.5	0.0	3.8	23.0	11.5	19.2	15.3
HA15005	638.9	739.8	840.6	941.5	1042.3	1143.1	1244.0	1344.8	1445.7	1546.5	8.0	0.0	4.0	4.0	20.0	12.0	16.0	16.0	12.0	8.0
HA15008	481.9	527.4	573.0	618.5	664.0	709.5	755.0	800.6	846.1	891.6	20.0	8.0	16.0	20.0	12.0	0.0	20.0	0.0	0.0	4.0
HA15010	688.9	739.5	790.1	840.7	891.3	941.9	992.5	1043.1	1093.7	1144.3	11.5	15.3	11.5	19.2	15.3	3.8	11.5	0.0	7.6	3.8
HA15011	653.7	713.0	772.2	831.4	890.7	949.9	1009.1	1068.3	1127.6	1186.8	8.0	4.0	4.0	28.0	20.0	12.0	8.0	8.0	4.0	4.0
HA15012	606.3	709.0	811.8	914.5	1017.3	1120.0	1222.8	1325.5	1428.3	1531.0	3.4	10.3	3.4	10.3	24.1	20.6	13.7	10.3	0.0	3.4
HA15013	619.4	665.3	711.3	757.2	803.2	849.2	895.1	941.1	987.0	1033.0	17.8	3.5	7.1	14.2	14.2	21.4	14.2	3.5	0.0	3.5
HA15014	533.2	598.3	663.3	728.3	793.3	858.4	923.4	988.4	1053.5	1118.5	11.1	0.0	0.0	0.0	27.7	11.1	33.3	0.0	5.5	11.1
HA15016	641.3	725.7	810.0	894.4	978.7	1063.0	1147.4	1231.7	1316.1	1400.4	3.8	0.0	0.0	7.6	19.2	11.5	26.9	15.3	7.6	7.6
HA15017	466.2	504.1	542.1	580.0	617.9	655.8	693.7	731.7	769.6	807.5	3.5	0.0	10.7	10.7	7.1	25.0	17.8	7.1	14.2	3.5
HA15018	586.5	697.6	808.6	919.7	1030.7	1141.7	1252.8	1363.8	1474.9	1585.9	14.2	28.5	28.5	17.8	7.1	0.0	0.0	0.0	0.0	3.5
HA15020	478.0	523.5	568.9	614.4	659.9	705.4	750.9	796.3	841.8	887.3	7.1	7.1	17.8	14.2	14.2	10.7	17.8	0.0	3.5	7.1
HA15022	331.4	380.9	428.6	477.2	525.9	574.5	623.1	671.7	720.3	768.9	3.8	0.0	3.8	11.5	7.6	19.2	30.7	0.0	15.3	7.6
HA15023	406.3	449.6	492.8	536.1	579.3	622.5	665.8	709.0	752.3	795.5	5.0	10.0	5.0	15.0	10.0	5.0	20.0	5.0	5.0	5.0
HA15024	652.7	704.9	757.1	809.3	861.5	913.7	965.9	1018.1	1070.3	1122.5	5.8	0.0	3.8	17.6	5.8	29.4	11.7	5.8	5.8	11.7
HA15025	607.0	690.4	773.7	857.1	940.5	1023.9	1107.3	1190.6	1274.0	1357.4	9.5	9.5	9.5	14.2	19.0	19.0	4.7	9.5	0.0	4.7
HA15026	336.9	404.5	472.1	539.7	607.3	674.8	742.4	810.0	877.6	945.2	7.1	0.0	0.0	3.5	0.0	21.4	21.4	25.0	3.5	17.8
HA15027	665.9	713.1	760.4	807.7	854.9	902.2	949.5	996.8	1044.0	1091.3	10.7	7.1	3.5	25.0	17.8	10.7	10.7	7.1	3.5	3.5
HA15028	480.0	534.6	589.3	643.9	698.5	753.1	807.7	862.4	917.0	971.6	10.7	10.7	7.1	7.1	21.4	10.7	14.2	7.1	3.5	7.1
HA15029	380.2	452.2	524.1	596.1	668.1	740.1	812.1	884.0	956.0	1028.0	5.0	5.0	5.0	10.0	15.0	10.0	25.0	5.0	10.0	10.0
HA15030	599.0	652.9	706.7	760.6	814.4	868.2	922.1	975.9	1029.8	1083.6	7.6	0.0	7.6	7.6	19.2	19.2	15.3	3.8	15.3	3.8
HA15031	410.0	463.5	516.9	570.4	623.9	677.4	730.9	784.3	837.8	891.3	8.0	0.0	0.0	12.0	12.0	16.0	8.0	24.0	4.0	8.0
HA15033	599.4	693.8	788.2	882.6	977.0	1071.4	1165.8	1260.2	1354.6	1449.0	3.5	0.0	3.5	3.5	7.1	17.8	25.0	17.8	14.2	7.1
HA15034	606.8	688.2	769.7	851.1	932.6	1014.1	1095.5	1177.0	1258.4	1339.9	8.3	8.3	0.0	8.3	12.5	16.6	16.6	8.3	12.5	8.3
HA15035	462.7	569.7	676.7	783.8	890.8	997.9	1105.0	1212.0	1319.1	1426.1	15.3	3.8	0.0	7.6	11.5	23.0	26.9	0.0	7.6	3.8
HA15036	522.4	574.1	625.8	677.5	729.2	780.8	832.5	884.2	935.9	987.6	4.3	4.3	4.3	13.0	13.0	13.0	21.7	8.6	8.6	8.6
HA15037	687.2	755.1	823.1	891.0	958.9	1026.8	1094.7	1162.7	1230.6	1298.5	12.0	20.0	0.0	12.0	20.0	12.0	16.0	0.0	0.0	8.0
HA15038	782.4	850.0	917.7	985.3	1053.0	1120.7	1188.3	1256.0	1323.6	1391.3	15.3	11.5	3.8	3.8	19.2	7.6	7.6	0.0	23.0	7.6
HA15039	554.0	617.1	680.3	743.5	806.6	869.8	933.0	996.2	1059.3	1122.5	20.0	5.0	15.0	5.0	30.0	5.0	10.0	0.0	5.0	5.0
HA15040	433.9	467.1	500.4	533.6	566.9	600.1	633.4	666.6	699.9	733.1	19.0	4.7	0.0	0.0	19.0	19.0	4.7	23.8	4.7	4.7
HA15041	392.6	437.6	482.6	527.6	572.7	617.7	662.7	707.7	752.7	797.7	3.5	0.0	7.1	3.5	25.0	17.8	10.7	14.2	10.7	7.1
HA15042	357.4	414.3	471.3	528.2	585.2	642.2	699.1	756.1	813.0	870.0	3.5	7.1	3.5	17.8	21.4	7.1	17.8	10.7	7.1	3.5
HA15044	448.7	482.8	516.9	551.1	585.2	619.4	653.5	687.7	721.8	756.0	3.5	7.1	0.0	10.7	21.4	14.2	14.2	7.1	10.7	10.7

Tabla C.106. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de México.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA15045	988.6	1044.7	1100.7	1156.8	1212.8	1268.8	1324.9	1380.9	1437.0	1493.0	20.0	20.0	6.6	0.0	13.3	6.6	13.3	13.3	0.0	6.6
HA15046	641.2	721.8	802.3	882.8	963.3	1043.9	1124.4	1204.9	1285.5	1366.0	6.6	0.0	20.0	20.0	13.3	26.6	6.6	0.0	0.0	6.6
HA15047	334.8	412.3	489.7	567.1	644.6	722.0	799.4	876.8	954.3	1031.7	5.0	0.0	0.0	5.0	20.0	20.0	30.0	15.0	0.0	5.0
HA15048	849.7	888.6	927.4	966.3	1005.1	1043.9	1082.8	1121.6	1160.5	1199.3	26.6	20.0	6.6	20.0	6.6	6.6	6.6	0.0	0.0	6.6
HA15049	527.7	611.4	695.0	778.7	862.4	946.1	1029.8	1113.4	1197.1	1280.8	7.6	3.8	0.0	19.2	26.9	23.0	11.5	3.8	0.0	3.8
HA15050	376.2	428.0	479.8	531.6	583.4	635.2	687.0	738.8	790.6	842.4	3.5	10.7	28.5	7.1	10.7	21.4	3.5	10.7	0.0	3.5
HA15051	745.5	785.3	825.2	865.1	905.0	944.8	984.7	1024.6	1064.4	1104.3	12.5	15.6	16.6	8.3	8.3	4.1	16.6	0.0	12.5	4.1
HA15053	854.7	917.7	980.7	1043.8	1106.9	1169.9	1233.0	1296.0	1359.1	1422.1	3.7	7.4	14.8	22.2	11.1	11.1	14.8	7.4	3.7	3.7
HA15055	425.6	486.2	546.7	607.2	667.7	728.3	788.8	849.3	909.9	970.4	4.0	0.0	24.0	20.0	16.0	12.0	12.0	8.0	0.0	4.0
HA15057	789.9	840.8	891.6	942.5	993.4	1044.3	1095.2	1146.0	1196.9	1247.8	3.8	3.8	7.6	11.5	3.8	19.2	3.8	23.0	15.3	7.6
HA15058	712.0	776.5	841.1	905.6	970.1	1034.7	1099.3	1163.8	1228.4	1292.9	5.0	15.0	15.0	45.0	0.0	0.0	15.0	0.0	0.0	5.0
HA15059	627.9	689.6	751.3	813.0	874.8	936.5	998.2	1059.9	1121.6	1183.3	3.5	14.2	21.4	14.2	14.2	14.2	10.7	3.5	0.0	3.5
HA15060	285.9	412.7	539.6	666.4	793.3	920.1	1047.0	1173.8	1300.7	1427.5	10.7	3.5	7.1	14.2	21.4	14.2	10.7	3.5	0.0	7.1
HA15061	402.6	442.4	482.1	521.8	561.6	601.3	641.0	680.7	720.5	760.2	4.5	0.0	4.5	4.5	22.7	9.0	13.6	27.2	4.5	9.0
HA15062	915.6	975.6	1035.5	1095.4	1155.4	1215.3	1275.2	1335.1	1395.1	1455.0	9.0	4.5	13.6	9.0	13.6	4.5	13.6	9.0	9.0	13.6
HA15063	588.3	647.3	706.4	765.4	824.4	883.4	942.4	1001.5	1060.5	1119.5	4.0	0.0	4.0	4.0	28.0	36.0	8.0	0.0	8.0	8.0
HA15065	371.8	425.4	479.0	532.6	586.2	639.8	693.4	747.0	800.6	854.2	7.1	17.8	14.2	14.2	21.4	7.1	10.7	0.0	0.0	7.1
HA15066	757.0	798.5	839.9	881.4	922.8	964.2	1005.7	1047.1	1088.6	1130.0	11.5	11.5	19.2	3.8	7.6	3.8	7.6	23.0	0.0	11.5
HA15067	181.0	356.5	532.0	707.5	883.1	1058.6	1234.1	1409.6	1585.1	1760.6	4.1	0.0	0.0	4.1	12.5	20.8	29.1	4.1	12.5	12.5
HA15068	1026.7	1094.3	1162.0	1229.6	1297.2	1364.8	1432.4	1500.1	1567.7	1635.3	6.8	13.7	0.0	10.3	13.7	6.8	20.6	6.8	10.3	10.3
HA15069	473.3	533.6	593.9	654.2	714.5	774.8	835.1	895.4	955.7	1016.0	15.3	11.5	3.8	3.8	7.6	15.3	15.3	15.3	7.6	3.8
HA15070	756.7	795.4	834.1	872.8	911.5	950.2	988.9	1027.6	1066.3	1105.0	11.1	5.5	5.5	5.5	11.1	11.1	16.6	5.5	5.5	22.2
HA15071	383.5	473.1	562.7	632.3	712.0	791.6	871.2	950.8	1030.4	1110.0	7.1	0.0	0.0	10.7	3.5	25.0	35.7	7.1	3.5	7.1
HA15072	597.4	657.4	717.3	777.3	837.2	897.1	957.1	1017.0	1077.0	1136.9	7.6	3.8	11.5	19.2	11.5	19.2	7.6	7.6	3.8	7.6
HA15073	527.0	569.6	612.3	654.9	697.6	740.3	782.9	825.6	868.2	910.9	3.5	0.0	7.1	17.8	21.4	21.4	14.2	3.5	3.5	7.1
HA15074	524.6	565.1	605.5	646.0	686.5	727.0	767.5	807.9	848.4	888.9	7.1	10.7	14.2	14.2	3.5	14.2	17.8	3.5	10.7	3.5
HA15075	594.8	656.8	718.9	780.9	842.9	904.9	966.9	1029.0	1091.0	1153.0	10.0	15.0	15.0	15.0	15.0	20.0	5.0	0.0	0.0	5.0
HA15076	559.6	614.5	669.3	724.2	779.0	833.8	888.7	943.5	998.4	1053.2	7.6	3.8	0.0	7.6	23.0	11.5	19.2	7.6	11.5	7.6
HA15077	789.1	835.9	882.8	929.6	976.4	1023.2	1070.0	1116.9	1163.7	1210.5	19.2	7.6	19.2	15.3	0.0	7.6	19.2	0.0	3.8	7.6
HA15078	339.7	422.4	505.1	587.8	670.5	753.1	835.8	918.5	1001.2	1083.9	3.5	3.5	3.5	3.5	10.7	21.4	17.8	21.4	7.1	7.1
HA15079	599.0	664.4	729.9	795.3	860.7	926.1	991.5	1057.0	1122.4	1187.8	5.2	10.5	15.7	15.7	10.5	26.3	5.2	0.0	5.2	5.2
HA15080	424.5	528.9	633.2	737.6	841.9	946.2	1050.6	1154.9	1259.3	1363.6	11.1	11.1	14.8	18.5	25.9	3.7	7.4	3.7	0.0	3.7
HA15081	456.0	503.9	551.9	599.9	647.9	695.8	743.8	791.8	839.7	887.7	7.1	7.1	14.2	10.7	17.8	10.7	10.7	17.8	0.0	3.5
HA15082	681.1	739.7	798.3	856.9	915.5	974.1	1032.7	1091.3	1149.9	1208.5	7.4	0.0	0.0	25.9	18.5	7.4	7.4	22.2	7.4	3.7
HA15083	466.6	497.7	528.9	560.0	591.2	622.4	653.5	684.7	715.8	747.0	14.2	14.2	10.7	17.8	3.5	14.2	7.1	3.5	7.1	7.1
HA15084	537.4	621.6	705.8	790.0	874.3	958.5	1042.7	1126.9	1211.1	1295.3	4.3	8.6	8.6	4.3	13.0	17.3	17.3	13.0	8.6	4.3

Tabla C.106. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de México.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA15085	557.4	622.2	687.0	751.8	816.5	881.3	946.1	1010.9	1075.7	1140.5	4.5	9.0	0.0	27.2	18.1	18.1	4.5	9.0	4.5	4.5
HA15086	572.7	624.1	675.5	726.9	778.3	829.8	881.2	932.6	984.0	1035.4	8.0	0.0	8.0	16.0	20.0	16.0	4.0	12.0	4.0	12.0
HA15087	401.6	475.3	548.9	622.6	696.2	769.8	843.5	917.1	990.8	1064.4	12.5	0.0	0.0	0.0	12.5	25.0	12.5	18.7	0.0	18.7
HA15088	1078.6	1132.4	1186.3	1240.1	1294.0	1347.8	1401.6	1455.5	1509.3	1563.2	12.5	12.5	8.3	8.3	16.6	8.3	4.1	12.5	0.0	16.6
HA15090	500.2	545.4	590.5	635.7	680.8	725.9	771.1	816.2	861.4	906.5	14.2	21.4	7.8	10.7	14.2	10.7	3.5	3.5	0.0	3.5
HA15092	422.4	467.5	512.6	557.7	602.8	647.9	693.0	738.1	783.2	828.3	3.5	0.0	7.1	25.0	21.4	14.2	3.5	14.2	7.1	3.5
HA15095	926.7	987.7	1048.8	1109.9	1171.0	1232.0	1293.1	1354.2	1415.2	1476.3	7.4	7.4	1.1	11.1	11.1	7.4	22.2	11.1	3.7	7.4
HA15096	437.8	504.6	571.4	638.2	705.0	771.8	838.6	905.4	972.2	1039.0	18.5	7.4	25.9	18.5	7.4	14.8	0.0	3.7	0.0	3.7
HA15098	546.6	578.6	610.6	642.6	674.6	706.5	738.5	770.5	802.5	834.5	8.6	4.3	4.3	13.0	21.7	13.0	8.6	17.3	0.0	8.6
HA15099	464.0	518.5	573.0	627.5	682.0	736.5	791.0	845.5	900.0	954.5	14.8	22.2	3.7	18.5	18.5	3.7	3.7	3.7	7.4	3.7
HA15100	624.7	671.3	717.9	764.6	811.2	857.9	904.5	951.2	997.8	1044.5	11.1	5.5	27.7	22.2	5.5	11.1	11.1	0.0	0.0	5.5
HA15101	477.6	512.8	548.1	583.3	618.6	653.9	689.1	724.4	759.6	794.9	7.4	11.1	7.4	14.8	14.8	7.4	7.4	14.8	11.1	3.7
HA15102	475.5	550.5	625.4	700.3	775.3	850.2	925.1	1000.0	1075.0	1149.9	4.5	4.5	9.0	4.5	13.6	13.6	9.0	9.0	18.1	13.6
HA15103	706.7	768.4	830.2	891.9	953.7	1015.5	1077.2	1139.0	1200.7	1262.5	3.5	10.7	7.8	28.5	14.2	10.7	0.0	10.7	0.0	3.5
HA15104	651.3	704.1	756.8	809.6	862.3	915.0	967.8	1020.5	1073.3	1126.0	11.7	5.8	5.8	23.5	5.8	11.7	5.8	11.7	5.8	11.7
HA15105	492.0	559.8	627.7	695.5	763.4	831.3	899.1	967.0	1034.8	1102.7	4.1	0.0	4.1	16.6	25.0	8.3	8.3	16.6	8.3	8.3
HA15106	634.0	715.3	796.7	878.0	959.4	1040.7	1122.1	1203.4	1284.8	1366.1	7.4	3.7	0.0	3.7	18.5	18.5	18.5	14.8	7.4	7.4
HA15107	599.9	686.5	773.2	859.8	946.4	1033.1	1119.8	1206.4	1293.1	1379.7	3.4	0.0	3.7	24.1	20.6	20.6	10.3	0.0	0.0	6.8
HA15108	701.7	733.3	764.9	796.6	828.2	859.9	891.5	923.2	954.8	986.5	8.0	0.0	8.0	16.0	12.0	12.0	16.0	16.0	4.0	8.0
HA15109	685.6	769.1	852.5	935.9	1019.4	1102.8	1186.2	1269.6	1353.1	1436.5	3.5	0.0	0.0	17.8	14.2	25.0	17.8	3.5	7.1	10.7
HA15110	367.1	415.5	463.8	512.2	560.5	608.8	657.2	705.5	753.9	802.2	5.8	5.8	5.8	0.0	5.8	11.7	17.6	35.2	5.8	5.8
HA15114	560.0	683.7	807.3	930.9	1054.6	1178.2	1301.8	1425.4	1549.1	1672.7	3.7	0.0	3.7	7.4	3.7	22.2	18.5	18.5	14.8	7.4
HA15115	441.7	480.3	518.8	557.3	595.8	634.4	672.9	711.4	750.0	788.5	3.5	7.1	4.2	17.8	7.1	3.5	17.8	10.7	10.7	7.1
HA15117	394.4	476.3	558.2	640.1	721.9	803.8	885.7	967.6	1049.5	1131.4	3.7	0.0	0.0	22.2	18.5	22.2	7.4	11.1	11.1	3.7
HA15118	895.3	1010.6	1126.0	1241.3	1356.7	1472.1	1587.4	1702.8	1818.1	1933.5	7.6	15.3	1.5	15.3	15.3	15.3	3.8	3.8	7.6	3.8
HA15119	600.0	681.9	763.9	845.8	927.8	1009.7	1091.7	1173.6	1255.6	1337.5	7.6	7.6	0.0	23.0	23.0	19.2	7.6	7.6	0.0	3.8
HA15121	975.5	1029.5	1083.5	1137.5	1191.5	1245.5	1299.5	1353.5	1407.5	1461.5	6.2	12.5	12.5	6.2	18.7	12.5	12.5	0.0	12.5	6.2
HA15124	247.3	304.7	362.2	419.6	477.1	534.6	592.0	649.5	706.9	764.4	3.5	0.0	0.0	0.0	17.8	10.7	7.1	32.1	10.7	17.8
HA15125	467.9	496.5	525.0	553.5	582.1	610.6	639.1	667.6	696.2	724.7	3.5	7.1	21.4	7.1	3.5	14.2	14.2	14.2	10.7	3.5
HA15127	709.4	751.7	793.9	836.2	878.5	920.8	963.1	1005.3	1047.6	1089.9	7.1	14.2	17.8	17.8	14.2	10.7	0.0	7.1	3.5	7.1
HA15128	582.5	640.5	698.6	756.6	814.6	872.6	930.6	988.7	1046.7	1104.7	3.8	3.8	11.5	11.5	11.5	26.9	19.2	3.8	3.8	3.8
HA15129	422.2	475.6	529.0	582.4	635.8	689.2	742.6	796.0	849.4	902.8	3.5	7.1	3.5	17.8	14.2	17.8	17.8	7.1	7.1	3.5
HA15130	726.7	769.8	812.8	855.9	898.9	941.9	985.0	1028.0	1071.1	1114.1	14.2	0.0	19.0	14.2	14.2	14.2	0.0	4.7	4.7	4.7
HA15131	791.4	858.8	926.1	993.5	1060.9	1128.3	1195.7	1263.0	1330.4	1397.8	12.0	20.0	8.0	12.0	16.0	16.0	12.0	0.0	0.0	4.0
HA15133	661.4	715.7	770.1	824.5	878.9	933.2	987.6	1042.0	1096.3	1150.7	3.3	6.6	20.0	6.6	13.3	10.0	20.0	13.3	3.3	3.3
HA15134	665.9	746.3	826.6	907.0	987.4	1067.8	1148.2	1228.5	1308.9	1389.3	7.6	7.6	0.0	11.5	11.5	34.6	19.2	0.0	3.8	3.8

Tabla C.106. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de México.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA15135	211.1	279.0	346.8	414.6	482.4	550.3	618.1	685.9	753.8	821.6	5.0	0.0	0.0	0.0	10.0	15.0	25.0	25.0	0.0	20.0
HA15136	884.5	1012.4	1140.4	1268.3	1396.3	1524.3	1652.2	1780.2	1908.1	2036.1	3.5	14.2	17.8	14.2	14.2	17.8	10.7	3.5	0.0	3.5
HA15138	328.7	375.1	421.6	468.0	514.4	560.9	607.4	653.8	700.3	746.7	6.6	13.3	6.6	33.3	6.6	13.3	6.6	6.6	0.0	6.6
HA15141	449.2	528.6	608.0	687.4	766.8	846.2	925.6	1005.0	1084.4	1163.8	25.0	20.0	20.0	10.0	10.0	5.0	5.0	0.0	0.0	5.0
HA15145	308.0	353.0	398.1	443.1	488.1	533.1	578.1	623.2	668.2	713.2	15.0	0.0	15.0	10.0	5.0	20.0	25.0	5.0	0.0	5.0
HA15146	537.5	612.7	688.0	763.2	838.5	913.7	989.0	1064.2	1139.5	1214.7	3.8	7.6	0.0	3.8	11.5	26.9	19.2	19.2	3.8	3.8
HA15148	306.7	392.4	479.1	565.8	652.6	739.3	826.0	912.7	999.4	1086.1	3.8	0.0	0.0	7.6	7.6	11.5	38.4	11.5	7.6	11.5
HA15149	540.8	614.5	688.2	761.9	835.6	909.2	982.9	1056.6	1130.3	1204.0	11.1	0.0	0.0	5.5	0.0	11.1	27.7	0.0	33.3	11.1
HA15156	633.2	727.7	822.3	916.9	1011.5	1106.0	1200.6	1295.2	1389.7	1484.3	25.9	33.3	11.1	7.4	14.8	0.0	0.0	3.7	0.0	3.7
HA15159	518.1	644.6	771.0	897.5	1024.0	1150.5	1277.0	1403.4	1529.9	1656.4	10.0	0.0	0.0	0.0	0.0	20.0	10.0	10.0	30.0	20.0
HA15160	413.8	499.4	585.0	670.6	756.2	841.8	927.4	1013.0	1098.6	1184.2	5.5	0.0	0.0	0.0	11.1	33.3	16.6	16.6	5.5	11.1
HA15163	310.8	371.1	431.5	491.8	552.1	612.4	672.7	733.1	793.4	853.7	12.5	0.0	0.0	0.0	0.0	18.7	31.2	18.7	12.5	6.2
HA15164	599.2	652.9	706.6	760.3	814.1	867.8	921.5	975.2	1028.9	1082.6	3.8	19.2	19.2	19.2	23.0	7.6	3.8	0.0	0.0	3.8
HA15165	619.5	695.9	772.4	848.8	925.3	1001.7	1078.2	1154.6	1231.1	1307.5	6.2	12.5	18.7	0.0	12.5	31.2	6.2	0.0	0.0	12.5
HA15166	568.6	645.8	723.1	800.3	877.6	954.8	1032.1	1109.3	1186.6	1263.8	16.0	8.0	8.0	8.0	4.0	20.0	12.0	4.0	12.0	8.0
HA15167	451.4	504.7	557.9	611.1	664.4	717.6	770.8	824.0	877.3	930.5	14.2	21.4	21.4	17.8	14.2	7.1	0.0	0.0	0.0	3.5
HA15170	319.6	365.3	411.0	456.7	502.4	548.0	593.7	639.4	685.1	730.8	3.5	0.0	3.5	0.0	3.5	25.0	17.0	10.7	28.5	7.1
HA15173	966.5	1059.5	1152.5	1245.5	1338.5	1431.5	1524.5	1617.5	1710.5	1803.5	11.7	0.0	11.7	17.6	17.6	17.6	11.7	5.8	0.0	5.8
HA15174	511.1	592.5	673.8	755.1	836.4	917.8	999.1	1080.4	1161.8	1243.1	5.5	5.5	5.5	5.5	11.1	22.2	5.5	11.1	5.5	22.2
HA15178	638.2	724.4	810.6	896.8	983.0	1069.1	1155.3	1241.5	1327.7	1413.9	14.2	14.2	7.1	14.2	14.2	21.4	0.0	7.1	0.0	7.1
HA15183	555.9	637.0	718.0	799.0	880.0	961.1	1042.1	1123.1	1204.2	1285.2	7.1	7.1	0.0	14.2	7.1	7.1	28.5	7.1	14.2	7.1
HA15184	985.1	1049.6	1114.1	1178.6	1243.1	1307.5	1372.0	1436.5	1501.0	1565.5	8.3	8.3	0.0	8.3	16.6	33.3	0.0	8.3	0.0	16.6
HA15188	482.1	522.7	563.4	604.1	644.7	685.4	726.1	766.8	807.4	848.1	7.1	14.2	14.2	0.0	21.4	7.1	7.1	21.4	0.0	7.1
HA15189	465.8	545.3	624.8	704.3	783.8	863.3	942.8	1022.3	1101.8	1181.3	7.1	7.1	0.0	0.0	21.4	28.5	21.4	7.1	0.0	7.1
HA15191	484.8	616.0	747.3	878.5	1009.8	1141.1	1272.3	1403.6	1534.8	1666.1	9.0	0.0	9.0	27.2	0.0	27.2	18.1	0.0	0.0	9.0
HA15192	538.7	587.5	636.4	685.2	734.0	782.8	831.6	880.5	929.3	978.1	14.2	0.0	7.1	0.0	14.2	28.5	21.4	0.0	7.1	7.1
HA15193	487.5	547.9	608.4	668.8	729.3	789.7	850.2	910.6	971.1	1031.5	6.2	0.0	0.0	31.2	25.0	12.5	12.5	0.0	6.2	6.2
HA15194	429.7	518.4	607.2	695.9	784.7	873.5	962.2	1051.0	1139.7	1228.5	20.0	0.0	10.0	20.0	10.0	10.0	20.0	0.0	0.0	10.0
HA15196	450.4	522.2	594.0	665.8	737.6	809.5	881.3	953.1	1024.9	1096.7	20.0	10.0	30.0	10.0	0.0	0.0	0.0	10.0	10.0	10.0
HA15197	568.2	630.6	703.0	775.4	847.8	920.2	992.6	1065.0	1137.4	1209.8	20.0	0.0	0.0	0.0	10.0	10.0	10.0	20.0	10.0	20.0
HA15198	637.9	740.0	842.2	944.4	1046.6	1148.7	1250.9	1353.1	1455.2	1557.4	10.0	0.0	0.0	0.0	10.0	40.0	20.0	10.0	0.0	10.0
HA15199	769.1	813.6	858.2	902.7	947.3	991.9	1036.4	1081.0	1125.5	1170.1	20.0	0.0	10.0	10.0	10.0	0.0	10.0	20.0	10.0	10.0
HA15200	634.4	736.5	838.7	940.8	1043.0	1145.1	1247.3	1349.4	1451.6	1553.7	20.0	0.0	10.0	0.0	0.0	30.0	10.0	10.0	0.0	20.0
HA15201	678.2	724.1	770.1	816.0	861.9	907.8	953.7	999.7	1045.6	1091.5	30.0	10.0	30.0	10.0	10.0	0.0	0.0	0.0	0.0	10.0
HA15216	434.6	461.9	489.3	516.6	544.0	571.4	598.7	626.1	653.4	680.8	14.2	7.1	28.5	28.5	0.0	0.0	7.1	0.0	7.1	7.1
HA15219	588.3	641.1	693.9	746.7	799.4	852.2	905.0	957.8	1010.6	1063.4	7.1	14.2	0.0	7.1	7.1	7.1	7.1	28.5	0.0	21.4
HA15261	374.5	428.9	483.2	537.6	592.0	646.4	700.8	755.1	809.5	863.9	8.3	8.3	25.0	8.3	8.3	8.3	8.3	0.0	16.6	8.3

Tabla C.106. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de México.

Estación	Características promedio de la sequía meteorológica										Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS	Huvia disponible	respecto a X _c		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)		Hp disp (mm)	Hp disp S(mm)		
HA15001	3.2	1.9	1.6	0.6	227.5	206.6	142.1	16.0	6960	6.0	SEVERA	
HA15002	4.3	1.6	1.9	0.9	289.8	306.7	152.5	27.0	4106	5.6	VASTA	
HA15003	4.7	2.4	2.6	1.4	206.9	167.3	79.5	10.0	6537	6.0	MODERADA	
HA15004	3.5	1.2	1.5	1.3	281.2	460.1	187.4	20.0	7149	6.1	SEVERA	
HA15005	3.6	1.6	1.9	1.5	422.3	497.6	222.2	19.0	9110	5.7	SEVERA	
HA15008	4.2	1.6	2.5	1.6	182.3	139.3	72.9	12.0	5210	3.9	MUY SEVERA	
HA15010	3.4	1.1	1.8	1.2	167.0	111.1	92.7	11.0	7461	4.3	SEVERA	
HA15011	4.0	2.0	1.9	1.0	196.3	115.2	103.3	11.0	7677	4.7	SEVERA	
HA15012	4.0	1.0	2.0	0.9	345.6	281.8	172.8	17.0	8304	5.3	MUY SEVERA	
HA15013	6.5	1.6	2.3	1.3	244.9	241.0	108.4	13.0	6610	3.9	MUY SEVERA	
HA15014	2.7	0.8	1.3	0.4	223.0	147.1	171.5	20.0	6584	7.8	SEVERA	
HA15016	3.2	0.6	1.3	0.4	222.7	142.6	171.3	16.0	8945	6.9	SEVERA	
HA15017	4.1	1.0	1.8	0.6	138.1	62.2	76.7	11.0	5645	5.7	SEVERA	
HA15018	4.1	1.7	2.4	0.9	249.3	104.2	103.8	13.0	6443	3.6	MUY SEVERA	
HA15020	4.0	2.2	2.2	1.9	175.3	181.0	79.6	12.0	5521	4.1	MUY SEVERA	
HA15022	3.4	1.1	1.3	0.4	127.5	91.9	98.0	17.0	4744	8.9	SEVERA	
HA15023	5.0	2.4	2.5	1.5	236.9	191.2	94.7	16.0	4890	4.6	MUY SEVERA	
HA15024	3.5	2.0	2.0	0.8	163.1	67.9	81.5	9.0	8069	4.3	MODERADA	
HA15025	3.8	1.4	1.6	0.7	269.2	129.5	168.2	19.0	7150	5.0	SEVERA	
HA15026	4.2	2.1	2.3	2.1	273.0	419.1	118.6	16.0	6044	8.6	MUY SEVERA	
HA15027	4.3	2.2	2.5	1.7	175.6	110.8	70.2	8.0	7565	3.8	MODERADA	
HA15028	5.2	1.5	2.5	1.1	269.6	140.6	107.8	15.0	5754	4.2	MUY SEVERA	
HA15029	4.5	0.5	1.7	0.7	306.5	236.1	180.2	25.0	5312	6.1	VASTA	
HA15030	3.2	1.6	1.6	0.8	165.4	150.1	103.3	12.0	7379	5.3	SEVERA	
HA15031	7.0	4.0	3.3	3.2	479.2	524.2	145.2	22.0	5088	6.9	EXTREMADAMENTE VASTA	
HA15033	3.1	0.9	1.6	0.6	225.7	220.0	141.0	12.0	9685	5.2	SEVERA	
HA15034	3.2	1.6	1.2	0.6	257.4	176.9	214.5	21.0	7633	2.5	VASTA	
HA15035	4.6	1.2	2.5	1.6	663.9	943.9	265.5	29.0	6268	4.8	MUY VASTA	
HA15036	3.5	1.7	1.5	0.4	167.5	147.7	111.6	14.0	6480	5.8	SEVERA	
HA15037	3.1	1.5	1.5	1.0	217.1	147.5	144.7	16.0	7530	5.0	SEVERA	
HA15038	3.3	1.3	1.9	1.3	337.0	392.3	177.3	16.0	8776	4.5	SEVERA	
HA15039	2.7	0.7	1.4	0.7	220.8	141.4	157.7	21.0	5869	4.7	VASTA	
HA15040	3.7	0.7	1.5	0.5	131.7	82.4	87.8	15.0	4811	6.1	SEVERA	
HA15041	3.7	1.9	1.5	0.5	139.8	113.5	93.1	15.0	5128	6.0	SEVERA	
HA15042	3.7	1.2	1.8	1.0	185.5	105.6	103.0	17.0	4942	5.7	SEVERA	
HA15044	4.1	1.0	2.2	1.3	127.1	103.9	57.7	9.0	5474	5.1	MODERADA	

Tabla C.107. Características de la sequía promedio de cada estación climatológica del estado de México.

Estación	Características promedio de la sequía meteorológica								H _p disp S (mm)	Tr (años) para	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X ₀			
HA15045	5.0	3.0	2.3	1.2	366.0	223.4	159.1	13.0	1000.5	4.4	MUY SEVERA
HA15046	2.6	0.4	1.3	0.4	170.9	107.8	131.4	14.0	779.0	1.9	SEVERA
HA15047	3.8	1.3	1.5	0.7	174.6	173.4	116.4	16.0	584.3	7.9	SEVERA
HA15048	3.2	2.1	1.5	0.8	115.5	72.0	77.0	8.0	853.2	3.7	NORMAL
HA15049	3.1	1.1	1.5	0.9	172.2	127.5	114.8	13.0	719.5	5.5	SEVERA
HA15050	3.2	1.1	1.8	0.9	177.6	126.4	98.6	18.0	440.1	3.9	SEVERA
HA15051	3.8	1.3	1.8	0.3	177.9	72.4	98.8	11.0	773.5	3.9	SEVERA
HA15053	4.0	2.7	2.2	1.6	238.6	199.8	108.4	9.0	976.4	4.6	MODERADA
HA15055	2.2	0.4	1.2	0.4	117.2	105.8	97.6	15.0	539.8	4.4	SEVERA
HA15057	3.5	1.3	1.6	0.9	182.4	111.7	114.0	10.0	924.9	4.8	NORMAL
HA15058	3.6	2.2	2.1	1.7	159.0	192.4	75.7	8.0	807.8	4.4	MODERADA
HA15059	3.7	1.1	1.8	1.2	191.8	159.2	106.5	13.0	706.4	4.2	SEVERA
HA15060	3.1	1.1	1.7	1.0	394.0	312.4	231.7	30.0	517.4	5.3	VASTA
HA15061	4.2	1.3	1.6	0.7	132.7	79.6	82.9	13.0	520.6	6.9	SEVERA
HA15062	4.1	1.4	2.0	1.4	278.7	244.3	139.3	11.0	1032.4	4.5	MUY SEVERA
HA15063	2.7	0.8	1.8	1.1	126.6	122.6	70.3	8.0	783.9	3.7	NORMAL
HA15065	4.1	1.5	2.1	1.1	200.8	128.1	95.6	18.0	428.7	3.8	MUY SEVERA
HA15066	3.4	1.0	1.6	0.6	187.1	103.0	116.9	12.0	793.5	4.4	SEVERA
HA15067	4.0	1.7	1.8	0.6	569.8	295.1	316.5	28.0	805.4	5.3	VASTA
HA15068	3.5	1.1	1.5	0.6	258.1	142.0	172.0	13.0	1138.7	5.3	SEVERA
HA15069	3.5	1.6	1.2	0.4	239.4	107.1	199.5	28.0	505.2	4.7	VASTA
HA15070	4.3	0.9	2.0	0.7	221.4	118.7	110.6	11.0	828.0	5.3	MUY SEVERA
HA15071	3.7	1.6	1.3	0.4	212.7	270.4	163.6	21.0	611.2	7.5	VASTA
HA15072	3.4	1.3	1.5	0.7	189.9	109.2	126.5	15.0	700.7	5.5	SEVERA
HA15073	2.7	0.9	1.3	0.6	91.5	59.3	70.3	9.0	636.1	5.3	NORMAL
HA15074	4.1	1.0	1.8	0.8	183.5	147.0	101.9	15.0	572.2	5.1	SEVERA
HA15075	3.3	0.8	1.8	0.8	197.2	133.2	109.5	14.0	655.5	3.0	SEVERA
HA15076	4.0	1.6	1.7	0.8	199.8	116.9	117.5	14.0	698.0	5.8	SEVERA
HA15077	3.4	1.3	2.0	1.0	184.7	140.3	92.3	9.0	838.7	3.5	MODERADA
HA15078	2.6	0.6	1.2	0.6	185.6	254.2	154.6	20.0	599.9	2.2	SEVERA
HA15079	3.0	1.1	1.5	0.7	168.2	148.0	112.1	13.0	707.4	4.0	SEVERA
HA15080	4.6	1.6	2.5	1.7	413.4	514.3	165.3	23.0	541.0	5.3	MUY VASTA
HA15081	4.3	1.9	1.8	0.9	186.9	61.8	103.8	16.0	530.0	5.4	SEVERA
HA15082	3.5	0.9	2.1	1.6	221.1	211.0	105.2	11.0	828.9	5.3	MUY SEVERA
HA15083	4.5	2.8	2.2	2.3	147.3	129.2	66.9	11.0	496.1	3.8	MUY SEVERA
HA15084	5.0	1.6	2.7	3.0	472.7	767.5	175.0	19.0	731.9	5.3	MUY SEVERA

Tabla C.107. Características de la sequía promedio de cada estación climatológica del estado de México.

Estación	Características promedio de la sequía meteorológica										Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	Reserva disponible	Hp disp S(mm)		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c	Hp disp S(mm)	Hp disp S(mm)		
HA15085	3.5	0.8	2.0	1.1	210.3	234.3	105.1	13.0	696.6	4.8	MUY SEVERA	
HA15086	3.9	1.9	1.8	1.3	183.1	145.9	101.7	12.0	691.9	4.9	SEVERA	
HA15087	3.5	0.8	1.5	0.4	232.4	298.7	154.9	20.0	618.0	5.7	SEVERA	
HA15088	3.3	1.2	2.0	1.0	243.7	172.9	121.8	9.0	1159.5	3.9	MODERADA	
HA15090	3.5	1.1	1.8	1.0	147.0	109.1	81.6	13.0	521.2	4.9	SEVERA	
HA15092	3.2	1.1	2.0	1.3	137.3	107.2	68.6	11.0	539.9	4.3	MUY SEVERA	
HA15095	3.0	1.3	1.4	0.6	201.1	157.9	143.6	12.0	1029.6	4.8	SEVERA	
HA15096	3.2	1.0	1.6	0.4	172.3	102.0	107.6	18.0	480.8	4.0	SEVERA	
HA15098	3.3	1.3	1.7	1.3	108.7	135.2	63.9	9.0	613.8	5.4	NORMAL	
HA15099	4.3	1.3	2.0	0.9	225.9	135.5	112.9	18.0	493.1	6.3	MUY SEVERA	
HA15100	2.8	0.8	1.4	0.4	105.6	73.5	75.4	10.0	676.7	4.2	NORMAL	
HA15101	4.1	1.5	2.0	0.7	153.4	109.4	76.6	12.0	537.8	4.7	MUY SEVERA	
HA15102	3.3	0.4	1.5	0.7	266.8	216.1	177.8	21.0	664.8	5.2	VASTA	
HA15103	4.0	0.8	2.5	0.9	193.3	117.0	77.3	8.0	822.4	3.9	MODERADA	
HA15104	2.6	0.4	1.5	0.7	176.3	184.4	117.5	13.0	737.6	4.3	SEVERA	
HA15105	4.6	2.3	3.5	3.7	393.3	476.7	112.3	14.0	680.9	5.0	EXTREMADAMENTE SEVERA	
HA15106	4.7	4.1	1.8	0.6	308.4	329.1	171.3	16.0	842.2	6.5	SEVERA	
HA15107	3.5	1.6	2.4	1.8	260.0	215.2	108.3	11.0	797.7	4.6	MUY SEVERA	
HA15108	3.6	1.2	1.8	1.1	114.5	85.7	63.6	7.0	774.9	5.0	NORMAL	
HA15109	4.6	3.0	2.5	1.5	317.9	264.7	127.1	11.0	952.9	4.7	MUY SEVERA	
HA15110	3.5	1.1	1.1	0.3	158.8	116.3	144.3	23.0	462.5	3.0	VASTA	
HA15114	3.4	1.1	1.5	0.7	334.5	343.6	223.0	18.0	999.9	6.0	SEVERA	
HA15115	4.1	1.9	2.0	1.0	176.6	83.5	88.3	14.0	516.4	4.6	MUY SEVERA	
HA15117	5.0	1.6	4.0	4.6	467.2	598.0	116.8	15.0	640.7	4.3	MUY SEVERA	
HA15118	2.8	0.6	2.0	1.6	374.5	324.3	187.2	14.0	1063.8	3.7	MUY SEVERA	
HA15119	4.1	2.2	2.0	1.1	273.2	135.4	136.6	15.0	746.1	6.2	MUY SEVERA	
HA15121	4.0	0.8	2.0	0.7	236.2	155.1	118.0	10.0	1052.6	6.3	MODERADA	
HA15124	4.3	1.9	1.5	0.4	188.6	154.9	125.7	21.0	459.1	5.3	VASTA	
HA15125	3.4	2.3	1.5	1.0	112.4	63.2	74.9	12.0	511.7	5.1	SEVERA	
HA15127	3.7	1.9	2.0	1.5	146.4	98.4	73.1	8.0	763.6	5.3	MODERADA	
HA15128	3.5	1.7	1.3	0.6	155.9	104.5	119.9	14.0	692.3	6.5	SEVERA	
HA15129	4.0	2.2	2.1	1.5	188.9	176.7	89.9	14.0	548.6	4.5	MUY SEVERA	
HA15130	3.3	0.9	1.5	0.4	134.6	84.1	89.7	10.0	777.5	4.6	NORMAL	
HA15131	3.4	1.5	1.5	0.7	199.8	123.3	133.1	13.0	840.2	3.5	SEVERA	
HA15133	4.1	1.7	2.1	1.2	242.0	241.9	115.2	13.0	760.9	3.3	MUY SEVERA	
HA15134	4.6	2.4	1.5	0.7	287.5	213.2	191.6	19.0	782.0	10.6	SEVERA	

Tabla C.107. Características de la sequía promedio de cada estación climatológica del estado de México.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	lluvia disponible	Hp disp S(mm)		
	Per(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	(litros/año)	respecto a X _s	Hp disp S(mm)	Hp disp S(mm)		
HA15135	4.0	1.8	2.0	0.8	203.4	219.1	101.6	17.0	494.1	6.5	MUY SEVERA	
HA15136	3.7	1.1	2.3	1.7	527.8	485.9	229.4	18.0	1035.1	4.1	MUY SEVERA	
HA15138	4.3	0.9	2.2	1.0	165.7	90.9	75.3	15.0	397.7	4.2	MUY SEVERA	
HA15141	4.6	2.4	3.2	2.2	370.4	242.5	115.7	19.0	489.8	3.4	EXTREMADAMENTE SEVERA	
HA15145	5.0	3.5	2.0	1.2	240.0	180.4	120.0	25.0	349.5	5.2	MUY VASTA	
HA15146	4.7	1.1	1.5	0.7	259.2	245.7	172.8	19.0	714.8	9.6	SEVERA	
HA15148	3.8	1.7	1.4	0.7	232.9	196.8	166.3	21.0	604.6	8.3	VASTA	
HA15149	3.2	1.0	0.9	0.0	259.0	183.3	287.7	29.0	672.1	10.4	VASTA	
HA15156	5.2	1.5	2.9	2.2	366.5	234.2	126.3	16.0	641.4	3.2	MUY SEVERA	
HA15159	3.5	1.5	1.3	0.4	454.4	328.6	349.5	27.0	130.0	6.7	VASTA	
HA15160	4.2	0.4	1.9	1.0	241.8	224.6	127.2	14.0	739.9	4.7	SEVERA	
HA15163	3.2	1.2	1.1	0.3	169.2	173.3	153.8	24.0	475.0	7.7	VASTA	
HA15184	3.6	1.1	2.5	1.5	167.3	189.7	66.9	9.0	666.1	4.7	MODERADA	
HA15185	6.0	2.0	2.0	0.5	429.5	67.9	214.7	24.0	678.4	6.5	MUY VASTA	
HA15186	4.0	1.2	2.2	1.4	487.8	372.7	221.7	25.0	438.6	7.2	MUY VASTA	
HA15167	3.3	0.8	1.7	0.9	115.2	79.3	67.7	12.0	486.6	4.0	SEVERA	
HA15170	4.1	1.5	2.0	0.7	150.2	118.1	75.0	12.0	506.3	5.0	MUY SEVERA	
HA15173	4.3	1.2	2.2	0.4	352.8	309.3	160.3	12.0	1130.9	4.4	MUY SEVERA	
HA15174	5.3	2.6	2.5	0.8	426.8	224.9	170.7	18.0	734.0	4.9	MUY SEVERA	
HA15178	3.0	0.5	1.3	0.4	264.1	237.2	203.1	22.0	691.4	5.0	VASTA	
HA15183	4.0	0.5	2.5	0.5	594.2	100.8	237.6	25.0	700.6	7.8	MUY VASTA	
HA15184	5.0	0.0	2.5	0.5	391.2	208.3	156.4	12.0	1101.9	5.9	MUY SEVERA	
HA15188	5.0	0.0	4.0	0.5	311.6	46.0	77.9	12.0	555.2	4.1	MUY SEVERA	
HA15189	5.0	1.0	3.0	1.6	297.9	363.3	99.3	12.0	704.7	4.5	EXTREMADAMENTE SEVERA	
HA15191	5.0	0.0	2.5	0.5	756.0	220.5	302.3	30.0	691.6	5.8	MUY VASTA	
HA15192	4.0	0.8	1.2	0.4	164.5	127.2	137.0	18.0	599.9	2.7	SEVERA	
HA15193	2.3	0.4	1.2	0.4	100.4	97.7	83.6	11.0	642.2	5.0	SEVERA	
HA15194	4.0	1.0	1.6	0.4	354.5	151.2	221.5	29.0	518.0	4.8	VASTA	
HA15196	4.0	1.0	2.3	1.2	329.8	83.1	143.3	21.0	509.3	3.4	MUY VASTA	
HA15197	4.0	1.0	1.3	0.4	322.2	125.5	247.8	26.0	671.5	5.9	VASTA	
HA15198	4.0	1.0	1.3	0.4	276.0	320.0	212.3	19.0	895.2	2.2	SEVERA	
HA15199	4.0	1.0	1.6	0.9	218.0	160.1	136.2	14.0	817.3	4.2	SEVERA	
HA15200	4.5	0.5	1.6	0.9	416.3	579.9	260.1	24.0	815.8	5.0	VASTA	
HA15201	4.0	0.5	2.0	0.5	149.7	45.8	74.8	9.0	683.3	1.7	MODERADA	
HA15216	4.0	2.0	3.3	2.0	132.9	81.8	40.2	7.0	456.8	3.5	EXTRAORDINARIA	
HA15219	2.7	0.8	1.1	0.3	200.0	88.0	181.8	21.0	681.0	5.9	VASTA	
HA15261	2.2	0.4	1.1	0.3	162.3	50.0	147.5	25.0	426.2	6.1	VASTA	

Tabla C.107. Características de la sequía promedio de cada estación climatológica del estado de México.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de $I_{máx}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA15001	742.7	2.0	371.3	44.0	371.3	2.0	44.0	50.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15002	883.8	3.0	294.6	52.0	294.6	3.0	52.0	42.8	14.2	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15003	524.2	3.0	174.7	23.0	174.7	3.0	23.0	33.3	16.6	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0
HA15004	1380.6	5.0	276.1	30.0	276.1	5.0	30.0	85.7	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA15005	1473.9	5.0	294.7	26.0	294.7	5.0	26.0	66.6	0.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA15008	422.0	6.0	70.3	11.0	154.7	2.0	26.0	16.6	66.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA15010	425.1	5.0	85.0	10.0	200.5	1.0	23.0	50.0	37.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0
HA15011	364.1	3.0	121.3	13.0	276.5	1.0	31.0	42.8	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA15012	768.5	3.0	256.1	25.0	268.7	2.0	26.0	42.8	14.2	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15013	691.7	4.0	172.9	22.0	172.9	4.0	22.0	40.0	20.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15014	448.6	2.0	224.3	27.0	326.3	1.0	39.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15016	555.7	2.0	277.8	26.0	277.8	2.0	26.0	62.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15017	232.8	2.0	116.4	18.0	130.6	1.0	20.0	28.5	57.1	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15018	405.6	3.0	135.2	18.0	156.2	2.0	20.0	14.2	42.8	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA15020	613.5	7.0	87.6	13.0	145.3	1.0	23.0	42.8	42.8	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.0
HA15022	291.9	2.0	145.9	25.0	145.9	2.0	25.0	62.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15023	552.6	5.0	110.5	18.0	110.5	5.0	18.0	25.0	50.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA15024	287.9	1.0	287.9	32.0	287.9	1.0	32.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15025	408.8	2.0	204.4	23.0	359.6	1.0	40.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15026	1204.3	7.0	172.0	23.0	172.0	7.0	23.0	50.0	33.3	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0
HA15027	379.2	2.0	189.6	22.0	189.6	2.0	22.0	42.8	14.2	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0
HA15028	382.4	4.0	95.6	13.0	185.4	2.0	27.0	16.6	50.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA15029	725.0	2.0	362.5	50.0	362.5	2.0	50.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15030	438.4	3.0	146.1	17.0	181.9	1.0	21.0	62.5	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15031	1219.4	8.0	152.4	23.0	152.4	8.0	23.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0
HA15033	633.9	2.0	316.9	28.0	316.9	2.0	28.0	44.4	44.4	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15034	528.6	3.0	176.2	18.0	452.5	1.0	46.0	87.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15035	2281.5	5.0	456.3	51.0	456.3	5.0	51.0	50.0	0.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA15036	455.2	2.0	227.6	29.0	227.6	2.0	29.0	42.8	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15037	539.9	4.0	134.9	15.0	278.4	1.0	31.0	75.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA15038	1217.5	5.0	243.5	23.0	256.5	2.0	24.0	42.8	42.8	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA15039	445.7	2.0	222.8	29.0	222.8	2.0	29.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15040	245.2	2.0	122.6	21.0	168.3	1.0	29.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15041	329.2	2.0	164.6	27.0	164.6	2.0	27.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15042	365.7	3.0	121.9	20.0	186.6	1.0	31.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA15044	316.4	2.0	158.2	26.0	158.2	2.0	26.0	42.8	14.2	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0

Tabla C.108. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de México.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I'	Intensidad	Duración / máx	% de $I_{máx}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I'(mm/año)$	respecto a X_0	$I_{máx}(mm/año)$	$D / máx(años)$	respecto a X_0	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA15045	635.3	4.0	158.8	13.0	187.1	2.0	16.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA15046	349.7	1.0	349.7	38.0	349.7	1.0	38.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15047	443.3	1.0	443.3	63.0	443.3	1.0	63.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15048	230.0	3.0	76.6	8.0	119.3	1.0	12.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15049	390.3	1.0	390.3	46.0	390.3	1.0	46.0	66.6	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA15050	436.8	4.0	109.2	20.0	154.1	2.0	28.0	37.5	50.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA15051	270.6	2.0	135.3	15.0	135.3	2.0	15.0	14.2	85.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15053	636.4	6.0	106.0	9.0	159.3	2.0	14.0	42.8	28.5	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA15055	395.1	2.0	197.5	30.0	197.5	2.0	30.0	72.7	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15057	299.9	1.0	299.9	28.0	299.9	1.0	28.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA15058	574.2	6.0	95.7	10.0	120.6	1.0	13.0	50.0	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA15059	510.9	4.0	127.7	15.0	246.7	1.0	30.0	62.5	12.5	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15060	999.4	3.0	333.1	44.0	519.1	1.0	69.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA15061	240.6	1.0	240.6	39.0	240.6	1.0	39.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15062	670.7	5.0	134.1	11.0	282.4	2.0	24.0	50.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA15063	406.4	4.0	101.6	11.0	101.6	4.0	11.0	62.5	0.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA15065	448.3	4.0	112.0	21.0	206.1	1.0	39.0	42.8	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA15066	331.4	3.0	110.4	12.0	149.6	1.0	16.0	50.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15067	1116.4	1.0	1116.4	99.0	1116.4	1.0	99.0	33.3	50.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15068	467.6	3.0	155.8	11.0	351.6	1.0	26.0	55.5	33.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15069	416.4	2.0	208.2	29.0	291.7	1.0	41.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15070	367.8	2.0	183.9	19.0	183.9	2.0	19.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15071	893.1	2.0	446.5	57.0	446.5	2.0	57.0	62.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15072	349.6	3.0	116.5	14.0	289.7	1.0	35.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15073	222.1	1.0	222.1	31.0	222.1	1.0	31.0	70.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15074	520.7	3.0	173.5	25.0	173.5	3.0	25.0	42.8	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15075	425.0	3.0	141.6	18.0	157.3	1.0	20.0	50.0	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15076	361.8	3.0	120.6	14.0	310.7	1.0	38.0	57.1	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15077	490.0	4.0	122.5	13.0	179.2	1.0	19.0	37.5	37.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA15078	900.0	3.0	300.0	39.0	315.8	1.0	41.0	80.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15079	513.7	3.0	171.2	20.0	172.5	1.0	21.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15080	1477.0	6.0	246.1	34.0	246.1	6.0	34.0	33.3	33.3	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA15081	270.5	2.0	135.2	21.0	207.7	1.0	32.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA15082	671.5	6.0	111.9	11.0	190.2	2.0	20.0	42.8	42.8	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA15083	421.3	8.0	52.6	9.0	100.4	2.0	17.0	57.1	28.5	0.0	0.0	0.0	0.0	0.0	14.2	0.0	0.0
HA15084	1801.9	8.0	225.2	24.0	225.2	8.0	24.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0

Tabla C.108. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de México.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	P^* Smáx/Dmáx	% de P^*	Intensidad	Duración / máx	% de / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I^* (mm/año)	respecto a X_0	I máx(mm/año)	D / máx(años)	respecto a X_0	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA15085	679.7	4.0	169.9	21.0	169.9	4.0	21.0	50.0	16.6	16.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0
HA15086	441.9	5.0	88.3	11.0	185.3	2.0	23.0	57.1	28.5	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA15087	818.8	2.0	409.4	52.0	409.4	2.0	52.0	40.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15088	597.4	4.0	149.3	11.0	149.3	4.0	11.0	42.8	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA15090	376.6	4.0	94.1	15.0	147.7	1.0	24.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA15092	334.5	5.0	66.9	10.0	99.4	2.0	16.0	50.0	25.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
HA15095	549.6	2.0	274.8	23.0	274.8	2.0	23.0	66.6	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15096	407.2	2.0	203.6	34.0	203.6	2.0	34.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15098	419.9	5.0	83.9	12.0	163.1	1.0	24.0	71.4	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA15099	408.6	3.0	136.1	22.0	177.8	1.0	29.0	42.8	14.2	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15100	229.6	2.0	114.8	15.0	174.1	1.0	23.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15101	341.5	3.0	113.8	18.0	113.8	3.0	18.0	28.5	42.8	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15102	710.9	3.0	236.9	28.0	236.9	3.0	28.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15103	320.7	4.0	80.1	8.0	127.7	2.0	14.0	14.2	28.5	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA15104	574.2	3.0	191.4	22.0	191.4	3.0	22.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15105	1215.8	10.0	121.5	15.0	121.5	10.0	15.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0
HA15106	1022.7	3.0	340.9	33.0	340.9	3.0	33.0	33.3	50.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15107	610.9	4.0	152.7	16.0	152.7	4.0	16.0	57.1	0.0	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0
HA15108	267.8	4.0	66.9	7.0	159.9	1.0	19.0	57.1	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA15109	825.7	4.0	206.4	19.0	206.4	4.0	19.0	33.3	33.3	0.0	6.6	16.6	0.0	0.0	0.0	0.0	0.0
HA15110	288.0	1.0	288.0	47.0	288.0	1.0	47.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15114	1140.6	2.0	570.3	46.0	570.3	2.0	46.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15115	292.1	3.0	97.3	16.0	153.8	1.0	25.0	42.8	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA15117	1502.0	12.0	125.1	16.0	161.9	1.0	21.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15118	915.1	6.0	152.5	12.0	404.1	1.0	32.0	62.5	12.5	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
HA15119	453.1	4.0	113.2	12.0	364.7	1.0	41.0	50.0	16.6	16.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0
HA15121	503.2	3.0	167.7	14.0	167.7	3.0	14.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15124	499.4	2.0	249.7	42.0	249.7	2.0	42.0	42.8	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15125	225.9	4.0	56.4	9.0	108.3	2.0	18.0	75.0	12.5	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
HA15127	319.2	4.0	79.8	9.0	169.6	1.0	20.0	62.5	12.5	0.0	2.5	12.5	0.0	0.0	0.0	0.0	0.0
HA15128	338.3	3.0	112.7	13.0	287.7	1.0	35.0	75.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15129	497.3	5.0	99.4	15.0	193.7	1.0	30.0	57.1	14.2	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
HA15130	254.7	2.0	127.3	14.0	150.2	1.0	17.0	42.8	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15131	443.9	3.0	147.9	15.0	249.3	1.0	25.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15133	783.3	5.0	156.6	17.0	156.6	5.0	17.0	28.5	57.1	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA15134	646.5	2.0	323.2	33.0	388.1	1.0	39.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.108. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de México.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I^* Smáx/Dmáx	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I^* (mm/año)	respecto a X_c	I máx(mm/año)	D I máx(años)	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA15135	597.8	3.0	199.2	33.0	199.2	3.0	33.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15136	1475.3	6.0	245.8	19.0	275.7	3.0	21.0	50.0	16.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA15138	314.3	2.0	157.1	33.0	157.1	2.0	33.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15141	765.9	7.0	109.4	18.0	158.4	1.0	26.0	25.0	25.0	25.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0
HA15145	468.0	4.0	117.0	24.0	181.3	2.0	38.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15146	720.7	3.0	240.2	27.0	350.1	1.0	39.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15148	551.9	1.0	551.9	71.0	551.9	1.0	71.0	71.4	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15149	492.7	1.0	492.7	51.0	492.7	1.0	51.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15156	681.7	7.0	97.3	12.0	199.4	1.0	25.0	50.0	0.0	0.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0
HA15159	887.9	1.0	887.9	69.0	887.9	1.0	69.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15160	679.6	4.0	169.9	19.0	169.9	4.0	19.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15163	384.6	2.0	192.3	30.0	378.3	1.0	60.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15164	579.3	5.0	115.8	15.0	115.8	5.0	15.0	33.3	33.3	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0
HA15165	525.4	2.0	262.7	29.0	262.7	2.0	29.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15166	1078.7	5.0	215.7	25.0	363.3	1.0	42.0	40.0	40.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA15167	307.2	4.0	76.8	13.0	115.1	1.0	20.0	44.4	44.4	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA15170	366.6	2.0	183.3	31.0	183.3	2.0	31.0	28.5	42.8	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15173	864.7	3.0	288.2	22.0	288.2	3.0	22.0	0.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15174	751.7	4.0	187.9	20.0	245.6	2.0	27.0	0.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15178	650.7	2.0	325.3	36.0	325.3	2.0	36.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15183	695.0	3.0	231.6	24.0	246.7	2.0	26.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15184	599.5	2.0	299.7	23.0	299.7	2.0	23.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15188	357.6	4.0	89.4	14.0	89.4	4.0	14.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15189	811.1	5.0	162.2	20.0	162.2	5.0	20.0	33.3	0.0	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0
HA15191	976.6	3.0	325.5	32.0	325.5	3.0	32.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15192	329.5	2.0	164.7	22.0	247.0	1.0	33.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15193	298.8	1.0	298.8	41.0	298.8	1.0	41.0	71.4	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15194	513.7	2.0	256.8	34.0	256.8	2.0	34.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15196	435.1	2.0	217.5	33.0	231.9	1.0	35.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA15197	433.5	1.0	433.5	47.0	433.5	1.0	47.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15198	728.6	2.0	364.3	32.0	364.3	2.0	32.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15199	408.5	3.0	136.1	14.0	229.0	1.0	24.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15200	1236.4	3.0	412.1	38.0	412.1	3.0	38.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15201	206.1	2.0	103.0	13.0	103.0	2.0	13.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15216	233.9	6.0	38.9	7.0	43.7	3.0	8.0	33.3	0.0	33.3	0.0	0.0	33.3	0.0	0.0	0.0	0.0
HA15219	307.3	1.0	307.3	36.0	307.3	1.0	36.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA15261	253.6	1.0	253.6	44.0	253.6	1.0	44.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.108. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de México.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes				periodos de retorno (Tr)		Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _o (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _{p min} (mm)	H _{p min}
Acambay	856.4	843.3	181.2	0.1	4.0	0.21	849.0	723.0	640.0	556.0	438.0	343.0	25.6	442.6	48.5
Acolman	610.8	629.1	120.9	-1.6	8.0	0.20	630.0	529.0	462.0	399.0	316.0	254.0	106.0	189.8	205.0
Aculco	574.6	637.5	180.1	-0.4	3.0	0.31	599.0	411.0	318.0	232.0	122.0	37.0	11.8	227.8	20.8
Almoloya de Alquisiras	1065.9	1081.8	183.8	-0.6	4.8	0.17	1073.0	936.0	849.0	768.0	663.0	584.0	60.3	557.0	127.0
Almoloya de Juárez	795.7	803.7	118.0	-0.7	4.3	0.15	796.0	706.0	655.0	608.0	548.0	503.0	60.8	483.8	134.5
Almoloya del Río	855.7	881.3	159.1	-0.3	3.0	0.19	738.6	597.9	504.8	415.4	299.8	213.1	4.8	546.9	7.3
Amanalco	1054.9	1054.8	218.4	-0.6	3.6	0.21	1050.0	884.0	793.0	709.0	602.0	522.0	46.8	523.7	98.9
Amatepec	1132.4	1151.4	394.7	-0.9	5.4	0.35	1158.0	917.0	731.0	521.0	224.0	0.0	56.9	5.5	96.8
Amecameca	805.8	775.5	161.2	1.4	6.6	0.20	800.0	726.0	678.0	632.0	572.0	526.0	24.7	541.3	79.2
Apaxco	672.0	661.0	141.2	0.3	3.1	0.21	661.0	542.0	475.0	410.0	320.0	248.0	8.8	433.4	15.6
Atenco	538.0	538.8	88.2	0.1	3.9	0.16	534.0	473.0	434.0	397.0	349.0	312.0	18.8	362.9	38.1
Atizapán	855.7	881.3	159.1	-0.3	3.0	0.19	738.6	597.9	504.8	415.4	299.8	213.1	4.8	546.9	7.3
Atizapán de Zaragoza	793.4	789.5	124.2	0.9	5.0	0.16	702.0	592.2	519.5	449.8	359.5	291.9	2.4	623.9	3.8
Atzacmulco	750.1	763.4	177.1	-0.8	4.8	0.24	768.0	643.0	510.0	385.0	224.0	104.0	22.7	282.6	35.8
Atzacmulco	732.8	727.5	179.9	-0.1	2.5	0.25	728.0	590.0	512.0	440.0	347.0	278.0	16.1	400.7	29.3
Axapusco	516.8	496.4	107.0	0.8	4.4	0.21	491.0	413.0	364.0	310.0	225.0	153.0	5.0	367.3	9.6
Ayapango	722.7	694.1	193.3	1.0	4.4	0.27	659.0	540.0	464.0	367.0	201.0	63.0	3.9	490.8	7.9
Calimaya	918.9	931.2	138.4	-0.1	3.1	0.15	913.0	808.0	746.0	688.0	613.0	558.0	23.6	618.1	47.0
Capulhuac	902.3	923.3	191.0	-0.7	3.2	0.21	939.0	749.0	636.0	531.0	398.0	299.0	20.9	453.3	34.1
Coacalco de Berriozábal	622.2	624.4	91.1	-0.2	2.7	0.15	637.0	530.0	494.0	461.0	414.0	374.0	11.2	455.7	22.3
Coatepec Harinas	1065.9	1081.8	183.8	-0.6	4.8	0.17	1073.0	936.0	849.0	768.0	663.0	584.0	60.3	557.0	127.0
Cocotitlán	628.5	626.9	129.0	0.6	4.1	0.21	609.0	500.0	448.0	374.0	253.0	161.0	8.8	401.1	15.9
Coyotepec	697.8	683.4	148.1	1.0	4.2	0.21	660.0	554.0	506.0	421.0	278.0	170.0	4.4	502.7	10.3
Cuautitlán	619.3	607.9	97.1	0.0	3.0	0.16	615.0	531.0	485.0	443.0	389.0	348.0	16.3	414.7	32.4
Chalco	628.5	626.9	129.0	0.6	4.1	0.21	609.0	500.0	448.0	374.0	253.0	161.0	8.8	401.1	15.9
Chapa de Mota	694.4	663.0	144.6	0.8	6.7	0.21	653.0	609.0	548.0	426.0	260.0	137.0	15.9	402.8	22.7
Chapultepec	855.7	881.3	159.1	-0.3	3.0	0.19	738.6	597.9	504.8	415.4	299.8	213.1	4.8	546.9	7.3
Chiautla	558.4	547.6	86.3	0.3	2.6	0.15	546.0	479.0	449.0	420.0	380.0	348.0	8.8	422.9	18.6
Chicoloapan	622.8	631.3	85.6	-0.4	2.6	0.14	630.0	547.0	504.0	465.0	416.0	379.0	16.0	447.4	27.6
Chiconcuac	558.4	547.6	86.3	0.3	2.6	0.15	546.0	479.0	449.0	420.0	380.0	348.0	8.8	422.9	18.6
Chimalhuacán	567.2	576.4	109.3	0.2	3.5	0.19	575.0	457.0	430.0	357.0	260.0	188.0	11.6	367.3	18.1

Tabla C.109. Características estadísticas de la lluvia anual de cada municipio del estado de México.

Municipio	Estadísticos de la lluvia promedio municipal						Línea de lluvia mínima anual de diferentes				periodos de retorno (Tr)		Tr(años)	lluvia mínima registrada	Tr(años) para
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años			
	X _m (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p mín(mm)
Donato Guerra	973.3	981.0	159.4	0.6	4.0	0.16	951.0	815.0	761.0	681.0	539.0	428.0	6.9	724.0	14.3
Ecatepec	595.0	605.0	96.7	-1.4	6.7	0.16	523.8	438.3	381.7	327.4	257.1	204.4	20.1	282.8	35.7
Ecatzingo	732.8	727.5	179.9	-0.1	2.5	0.25	728.0	590.0	512.0	440.0	347.0	278.0	16.1	400.7	29.3
Huehuetoca	720.7	738.5	152.6	0.4	3.1	0.21	719.0	565.0	517.0	455.0	342.0	247.0	5.6	498.6	12.6
Hueyoxtlá	640.2	658.0	125.4	-0.2	3.0	0.20	657.0	523.0	499.0	426.0	327.0	253.0	22.1	362.9	35.8
Huixquilucan	1052.3	1101.6	182.2	-1.2	5.1	0.17	1099.0	914.0	805.0	706.0	582.0	490.0	49.3	505.0	89.0
Isidro Fabela	905.7	913.7	182.6	-0.7	4.4	0.20	771.3	609.9	502.9	400.4	267.7	168.2	10.4	417.5	17.8
Ixtapaluca	771.0	756.2	115.4	0.6	5.8	0.15	759.0	709.0	644.0	542.0	405.0	302.0	16.8	508.8	24.9
Ixtapan de la Sa	1033.0	1049.7	183.5	-0.2	2.8	0.18	1029.0	894.0	810.0	731.0	630.0	554.0	11.6	730.7	20.1
Ixtapan del Oro	912.7	921.8	213.1	0.1	3.7	0.23	920.0	735.0	607.0	476.0	293.0	144.0	10.5	505.1	17.2
Ixtlahuaca	720.5	729.5	167.0	-1.3	5.8	0.23	738.0	613.0	535.0	462.0	368.0	298.0	67.6	269.3	132.5
Xalatlaco	902.3	923.3	191.0	-0.7	3.2	0.21	939.0	749.0	636.0	531.0	398.0	299.0	20.9	453.3	34.1
Jaltenco	601.0	614.8	110.0	-0.2	3.0	0.18	606.0	503.0	464.0	427.0	379.0	342.0	35.7	351.8	83.1
Jilotepc	612.0	593.4	155.1	0.1	4.0	0.25	596.0	493.0	430.0	370.0	293.0	234.0	17.9	318.8	36.7
Jilotzingo	880.9	872.5	138.1	0.3	3.2	0.16	864.0	769.0	713.0	658.0	586.0	530.0	14.2	631.8	28.1
Jiquipilco	857.8	816.7	150.3	0.8	4.4	0.18	806.0	740.0	688.0	605.0	460.0	348.0	10.7	617.2	18.3
Jocotitlán	738.8	757.9	155.2	-1.0	5.0	0.21	757.0	634.0	558.0	487.0	395.0	327.0	61.7	308.2	120.9
Joquicingo	933.8	934.8	174.8	0.2	2.4	0.19	923.0	770.0	717.0	668.0	605.0	556.0	7.8	675.8	18.0
Juchitepec	769.0	749.6	206.9	0.8	4.6	0.27	744.0	625.0	548.0	471.0	361.0	268.0	14.2	417.6	31.5
Lerma	915.3	890.3	120.8	0.8	4.2	0.13	892.0	819.0	773.0	725.0	656.0	596.0	12.6	704.3	26.7
Malinalco	1107.8	1127.8	186.4	-0.2	6.3	0.17	1118.0	973.0	866.0	744.0	542.0	350.0	26.7	585.5	41.9
Melchor Ocampo	605.3	601.7	91.5	-0.1	2.9	0.15	623.0	531.0	515.0	492.0	432.0	382.0	33.8	423.0	56.6
Metepc	868.4	872.6	156.9	-0.3	4.1	0.18	882.0	749.0	658.0	567.0	442.0	343.0	16.5	522.5	27.9
Mexicaltzingo	868.4	872.6	156.9	-0.3	4.1	0.18	882.0	749.0	658.0	567.0	442.0	343.0	16.5	522.5	27.9
Morelos	789.6	812.0	191.9	-0.9	5.2	0.24	648.3	478.6	366.3	258.5	119.1	14.5	11.6	257.0	20.2
Naucalpan de Juárez	851.6	851.3	111.1	0.8	4.2	0.13	823.0	744.0	703.0	643.0	539.0	459.0	6.1	686.0	12.6
Nezahualcóyotl	538.0	538.8	88.2	0.1	3.9	0.16	534.0	473.0	434.0	397.0	349.0	312.0	18.8	362.9	38.1
Nextlapan	605.0	611.8	107.6	0.2	2.6	0.18	606.0	528.0	478.0	429.0	362.0	308.0	12.7	421.9	22.0
Nicolás Romero	1018.7	1028.8	180.2	-0.3	3.6	0.18	1031.0	884.0	788.0	695.0	570.0	474.0	20.6	613.5	36.4
Nopaltepec	604.2	589.0	128.6	1.0	5.0	0.21	584.0	507.0	458.0	409.0	342.0	289.0	8.8	410.7	19.5
Ocoyoacac	1084.9	1048.0	148.9	0.3	3.2	0.14	1043.0	971.0	929.0	885.0	814.0	746.0	30.3	791.6	63.6

Tabla C.109. Características estadísticas de la lluvia anual de cada municipio del estado de México.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Str	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _p (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p mín(mm)	H _p mín
Ocuilán	1128.7	1153.6	211.4	-0.2	2.9	0.19	1150.0	930.0	845.0	767.0	664.0	585.0	15.2	714.7	31.9
Oro, El	936.3	956.6	138.3	-0.8	4.7	0.15	965.0	837.0	761.0	690.0	599.0	530.0	29.8	598.5	51.1
Otumba	550.2	562.2	122.8	0.4	3.5	0.22	537.0	432.0	381.0	323.0	230.0	152.0	8.2	347.9	15.0
Otzoloapan	805.6	809.7	135.0	-0.1	3.2	0.17	828.0	633.0	623.0	612.0	571.0	505.0	3.5	604.6	27.9
Otzolotepec	967.5	973.0	128.8	-0.1	2.7	0.13	969.0	860.0	799.0	742.0	670.0	616.0	17.0	708.1	30.6
Ozumba	732.8	727.5	179.9	-0.1	2.5	0.25	728.0	590.0	512.0	440.0	347.0	278.0	16.1	400.7	29.3
Papaloá	586.1	578.8	85.2	0.5	3.4	0.15	577.0	516.0	478.0	442.0	394.0	356.0	10.5	440.6	20.7
Paz, La	567.2	576.4	109.3	0.2	3.5	0.19	575.0	457.0	430.0	357.0	260.0	188.0	11.6	367.3	18.1
Poxtitlán	713.3	750.9	165.7	-0.2	2.5	0.23	746.0	520.0	480.0	444.0	389.0	334.0	8.9	427.0	27.4
Rayón	855.7	881.3	159.1	-0.3	3.0	0.19	738.6	597.9	504.8	415.4	299.8	213.1	4.8	546.9	7.3
San Antonio la Isla	855.7	881.3	159.1	-0.3	3.0	0.19	738.6	597.9	504.8	415.4	299.8	213.1	4.8	546.9	7.3
San Felipe del Progreso	819.0	834.5	111.2	-0.3	2.8	0.14	830.0	724.0	675.0	631.0	575.0	532.0	13.0	617.3	25.0
San Martín de las Pirámides	569.2	566.3	113.4	0.2	3.0	0.20	561.0	480.0	431.0	385.0	324.0	278.0	13.5	367.3	26.1
San Mateo Atenco	783.7	790.9	126.8	0.9	6.7	0.16	783.0	681.0	607.0	525.0	380.0	216.0	10.8	534.3	18.6
San Simón de Guerrero	1274.5	1267.4	206.2	0.3	3.1	0.16	1279.0	1114.0	1008.0	906.0	775.0	678.0	8.6	952.7	14.5
Santo Tomás	898.3	877.0	175.1	0.8	5.6	0.19	890.0	771.0	691.0	612.0	508.0	412.0	22.3	513.2	46.0
Soyaniquilpan de Juárez	612.0	593.4	155.1	0.1	4.0	0.25	596.0	493.0	430.0	370.0	298.0	234.0	17.9	318.8	36.7
Sultepec	1292.7	1295.3	199.5	-0.6	3.5	0.15	1305.0	1135.0	1036.0	944.0	827.0	740.0	36.9	782.4	71.2
Tecamac	605.0	611.8	107.6	0.2	2.6	0.18	606.0	528.0	478.0	429.0	362.0	308.0	12.7	421.9	22.0
Tejupic	958.7	973.1	175.4	-0.9	4.0	0.18	988.0	830.0	727.0	629.0	502.0	406.0	29.0	503.5	49.3
Temamatla	628.5	626.9	129.0	0.6	4.1	0.21	609.0	500.0	448.0	374.0	259.0	161.0	8.8	401.1	15.9
Temascalapa	569.2	566.3	113.4	0.2	3.0	0.20	561.0	480.0	431.0	385.0	324.0	278.0	13.5	367.3	26.1
Temascalcingo	737.9	726.4	112.5	0.0	3.0	0.15	728.0	639.0	593.0	547.0	482.0	428.0	18.2	506.3	35.8
Temascaltepec	1084.9	1024.9	227.8	1.1	4.6	0.21	1037.0	919.0	845.0	772.0	678.0	592.0	11.2	736.6	27.9
Temoaya	841.3	847.1	131.7	-0.4	3.5	0.16	846.0	743.0	679.0	619.0	542.0	485.0	25.4	545.2	48.3
Tenancingo	1107.5	1132.8	258.4	-0.8	8.2	0.23	917.3	688.9	537.6	392.5	204.7	63.9	6.3	535.7	10.1
Tenango del Aire	628.5	626.9	129.0	0.6	4.1	0.21	609.0	500.0	448.0	374.0	259.0	161.0	8.8	401.1	15.9
Tenango del Valle	1092.0	1134.3	194.5	-0.3	2.7	0.18	1108.0	936.0	830.0	730.0	608.0	507.0	13.6	714.7	22.4
Teoloyucan	619.3	607.9	97.1	0.0	3.0	0.16	615.0	531.0	485.0	443.0	389.0	348.0	16.3	414.7	32.4
Teotihuacán	569.2	566.3	113.4	0.2	3.0	0.20	561.0	480.0	431.0	385.0	324.0	278.0	13.5	367.3	26.1
Tepetitlaxtloc	571.6	565.1	95.4	0.6	3.0	0.17	566.0	512.0	478.0	446.0	404.0	373.0	10.6	443.4	21.1

Tabla C.109. Características estadísticas de la lluvia anual de cada municipio del estado de México.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	Huvia mínima	Tr(años)
	Media X _c (mm)	Mediana (mm)	Desv Std S(mm)	Coeficientes g k Cv			2 años Hp(mm)	5 años Hp(mm)	10 años Hp(mm)	20 años Hp(mm)	50 años Hp(mm)	100 años Hp(mm)	primer decil	regitrada Hp min(mm)	para Hp min
Tepetitxpa	732.8	727.5	179.9	-0.1	2.5	0.25	728.0	590.0	512.0	440.0	347.0	278.0	16.1	400.7	29.3
Tepozotlán	674.1	689.1	107.8	0.0	2.6	0.16	677.0	574.0	539.0	506.0	461.0	425.0	13.4	484.1	31.5
Tequixquiac	640.2	658.0	125.4	-0.2	3.0	0.20	657.0	523.0	499.0	426.0	327.0	253.0	22.1	362.9	35.8
Texcallitán	1241.3	1279.4	160.3	-0.1	2.4	0.13	1270.0	1053.0	1023.0	994.0	938.0	872.0	11.7	960.0	37.0
Texcalyacac	855.7	881.3	159.1	-0.3	3.0	0.19	738.6	597.9	504.8	415.4	299.8	213.1	4.8	546.9	7.3
Texcoco	585.5	581.5	69.4	0.0	2.9	0.12	580.0	529.0	498.0	469.0	432.0	405.0	16.5	451.3	31.2
Tezoyuca	558.4	547.6	86.3	0.3	2.6	0.15	546.0	479.0	449.0	420.0	380.0	348.0	8.8	422.9	18.6
Tlanquintenco	855.7	881.3	159.1	-0.3	3.0	0.19	738.6	597.9	504.8	415.4	299.8	213.1	4.8	546.9	7.3
Timilpan	906.9	924.2	209.3	-0.4	3.3	0.23	920.0	741.0	635.0	535.0	407.0	311.0	19.6	453.2	35.8
Tlalmanalco	874.4	877.6	157.9	0.4	4.6	0.18	878.0	746.0	655.0	561.0	425.0	306.0	11.6	559.0	20.3
Tlalnepantla de Baz	687.8	693.2	97.2	0.6	4.7	0.14	690.0	601.0	542.0	485.0	410.0	352.0	9.2	503.0	16.1
Tlatlaya	1137.3	1154.9	387.0	-0.8	5.5	0.34	1158.0	862.0	679.0	507.0	286.0	120.0	77.5	5.5	162.3
Toluca	918.9	931.2	138.4	-0.1	3.1	0.15	913.0	808.0	746.0	688.0	613.0	558.0	23.6	618.1	47.0
Tonatico	973.7	1005.3	183.5	-0.3	4.4	0.19	1015.0	908.0	794.0	627.0	383.0	201.0	17.3	585.5	23.4
Tultepec	622.2	624.4	91.1	-0.2	2.7	0.15	637.0	530.0	494.0	461.0	414.0	374.0	11.2	455.7	22.3
Tultitlán	622.2	624.4	91.1	-0.2	2.7	0.15	637.0	530.0	494.0	461.0	414.0	374.0	11.2	455.7	22.3
Valle de Bravo	890.5	928.0	180.9	-0.3	3.6	0.20	911.0	776.0	677.0	571.0	414.0	285.0	15.3	543.0	23.7
Villa de Allende	966.0	992.9	171.6	0.1	4.2	0.18	977.0	833.0	731.0	624.0	464.0	324.0	11.8	628.5	19.4
Villa del Carbón	859.0	869.5	151.7	0.4	4.0	0.18	840.0	735.0	667.0	563.0	422.0	316.0	12.4	569.4	19.2
Villa Guerrero	1048.6	1047.3	174.9	-0.1	5.6	0.17	1049.0	966.0	852.0	699.0	499.0	351.0	22.3	585.5	33.5
Villa Victoria	748.5	755.8	144.5	-0.3	2.8	0.19	761.0	622.0	559.0	502.0	431.0	378.0	15.4	475.6	28.1
Xonacatlán	803.7	819.5	117.9	-0.3	3.4	0.15	817.0	714.0	643.0	572.0	474.0	396.0	16.0	544.7	25.9
Zacazonapan	954.0	959.7	225.7	-0.1	5.1	0.24	953.0	799.0	679.0	541.0	332.0	163.0	19.4	457.1	29.3
Zacualpan	1159.9	1163.8	266.5	1.2	6.7	0.23	963.8	728.1	572.1	422.5	228.8	83.6	2.4	782.6	4.0
Zinacantepec	1005.4	1029.3	187.7	-1.4	5.7	0.19	1043.0	883.0	776.0	675.0	544.0	446.0	45.1	483.8	76.3
Zumpahuacán	973.7	1005.3	183.5	-0.3	4.4	0.19	1015.0	908.0	794.0	627.0	383.0	201.0	17.3	585.5	23.4
Zumpango	640.2	658.0	125.4	-0.2	3.0	0.20	657.0	523.0	499.0	426.0	327.0	253.0	22.1	362.9	35.8
Cuautitlán Izcalli	674.1	689.1	107.8	0.0	2.6	0.16	677.0	574.0	539.0	506.0	461.0	425.0	13.4	484.1	31.5
Valle de Chalco Solidaridad	585.2	589.7	101.7	0.3	2.5	0.17	579.0	490.0	468.0	445.0	405.0	362.0	16.2	416.6	39.6
Estatad	800.9	809.2	96.4	-0.1	3.1	0.12	807.0	729.0	678.0	630.0	567.0	520.0	14.0	617.0	24.2

Tabla C.109. Características estadísticas de la lluvia anual de cada municipio del estado de México.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Acambay	525.3	607.9	690.6	773.2	855.9	938.6	1021.2	1103.9	1186.5	1269.2	3.8	3.8	3.8	23.0	19.2	19.2	11.5	3.8	7.6	3.8
Acolman	248.7	307.7	366.6	425.6	484.5	543.4	602.4	661.3	720.3	779.2	3.5	0.0	0.0	0.0	10.7	7.1	17.8	25.0	21.4	14.2
Aculco	296.8	365.8	434.7	503.7	572.7	641.7	710.7	779.6	848.6	917.6	10.3	6.8	3.4	17.2	6.8	6.8	27.5	13.7	3.4	3.4
Atmoloya de Alquisiras	641.3	725.7	810.0	894.4	978.7	1063.0	1147.4	1231.7	1316.1	1400.4	3.8	0.0	0.0	7.6	19.2	11.5	26.9	15.3	7.6	7.6
Almoloya de Juárez	534.9	586.1	637.2	688.4	739.5	790.6	841.8	892.9	944.1	995.2	3.5	3.5	0.0	0.0	25.0	14.2	17.8	7.1	21.4	7.1
Almoloya del Río	603.3	659.7	716.2	772.6	829.0	885.4	941.8	998.3	1054.7	1111.1	7.6	11.5	3.8	3.8	11.5	11.5	23.0	11.5	3.8	11.5
Amanalco	609.7	695.6	781.6	867.5	953.5	1039.5	1125.4	1211.4	1297.3	1383.3	4.0	4.0	4.0	0.0	20.0	12.0	16.0	12.0	8.0	20.0
Amatepec	181.0	356.5	532.0	707.5	883.1	1058.6	1234.1	1409.6	1585.1	1760.6	4.0	0.0	4.0	0.0	12.0	12.0	32.0	8.0	16.0	12.0
Amecameca	618.5	695.7	772.8	850.0	927.2	1004.4	1081.6	1158.7	1235.9	1313.1	10.7	10.7	21.4	28.5	17.8	0.0	3.5	3.5	0.0	3.5
Apaxco	487.2	541.0	594.9	648.7	702.5	756.3	810.1	864.0	917.8	971.6	7.1	14.2	14.2	3.5	17.8	17.8	3.5	14.2	0.0	7.1
Atenco	400.3	437.7	475.0	512.4	549.8	587.2	624.6	661.9	699.3	736.7	9.0	4.5	9.0	13.6	22.7	18.1	4.5	13.6	0.0	4.5
Alizapán	603.3	659.7	716.2	772.6	829.0	885.4	941.8	998.3	1054.7	1111.1	7.6	11.5	3.8	3.8	11.5	11.5	23.0	11.5	3.8	11.5
Atizapán de Zaragoza	678.3	732.8	787.2	841.6	896.1	950.5	1004.9	1059.3	1113.8	1168.2	21.4	14.2	10.7	7.8	14.2	14.2	3.5	0.0	0.0	3.5
Atzacmulco	362.7	442.9	523.0	603.1	683.3	763.4	843.5	923.6	1003.8	1083.9	3.5	3.5	3.5	0.0	14.2	25.0	25.0	10.7	7.1	7.1
Atlix	462.4	524.1	585.8	647.5	709.2	770.9	832.6	894.3	956.0	1017.7	10.7	3.5	10.7	7.1	10.7	14.2	10.7	10.7	10.7	10.7
Axapusco	413.0	458.7	504.3	550.0	595.7	641.4	687.1	732.7	778.4	824.1	20.6	13.7	17.2	13.7	13.7	6.8	10.3	0.0	0.0	3.4
Ayapango	566.0	641.3	716.6	791.7	867.0	942.2	1017.4	1092.6	1167.9	1243.1	25.0	17.8	7.1	7.8	14.2	7.1	0.0	3.5	3.5	3.5
Calimaya	673.8	729.4	785.1	840.7	896.4	952.1	1007.7	1063.4	1119.0	1174.7	3.8	3.8	11.5	3.8	23.0	11.5	15.3	11.5	11.5	3.8
Capulhuac	524.5	595.7	667.0	738.2	809.4	880.6	951.8	1023.1	1094.3	1165.5	3.8	0.0	11.5	1.5	0.0	3.8	23.0	11.5	19.2	15.3
Coacalco de Berriozábal	488.7	521.7	554.8	587.8	620.8	653.8	686.8	719.9	752.9	785.9	10.7	3.5	14.2	3.5	14.2	10.7	17.8	14.2	0.0	10.7
Coatepec Harinas	641.3	725.7	810.0	894.4	978.7	1063.0	1147.4	1231.7	1316.1	1400.4	3.8	0.0	0.0	7.6	19.2	11.5	26.9	15.3	7.6	7.6
Cocotlán	459.5	517.9	576.3	634.7	693.2	751.6	810.0	868.4	926.8	985.2	3.3	20.0	16.6	3.3	16.6	20.0	0.0	6.6	0.0	3.3
Coyotepec	561.3	619.9	678.5	737.1	795.7	854.2	912.8	971.4	1030.0	1088.6	21.4	17.8	10.7	4.2	14.2	10.7	0.0	3.5	3.5	3.5
Cuautehilán	455.5	496.2	537.0	577.7	618.5	659.3	700.0	740.8	781.5	822.3	3.5	7.1	7.1	7.8	17.8	7.1	14.2	17.8	3.5	3.5
Chalco	459.5	517.9	576.3	634.7	693.2	751.6	810.0	868.4	926.8	985.2	3.3	20.0	16.6	3.3	16.6	20.0	0.0	6.6	0.0	3.3
Chapa de Mota	468.9	535.1	601.2	667.3	733.4	799.6	865.7	931.8	998.0	1064.1	6.2	0.0	6.2	0.0	6.2	12.5	6.2	6.2	0.0	6.2
Chapultepec	603.3	659.7	716.2	772.6	829.0	885.4	941.8	998.3	1054.7	1111.1	7.6	11.5	3.8	3.8	11.5	11.5	23.0	11.5	3.8	11.5
Chiautla	454.2	485.5	516.7	548.0	579.3	610.6	641.9	673.1	704.4	735.7	10.7	17.8	10.7	10.7	7.1	10.7	14.2	7.1	7.1	3.5
Chicoloapan	477.3	507.3	537.2	567.1	597.1	627.0	656.9	686.8	716.8	746.7	7.1	3.5	7.1	0.7	10.7	3.5	17.8	10.7	14.2	14.2
Chiconcuac	454.2	485.5	516.7	548.0	579.3	610.6	641.9	673.1	704.4	735.7	10.7	17.8	10.7	0.7	7.1	10.7	14.2	7.1	7.1	3.5
Chimathuacán	414.8	462.3	509.8	557.3	604.9	652.4	699.9	747.4	794.9	842.4	7.1	14.2	10.7	4.2	10.7	21.4	17.8	0.0	0.0	3.5

Tabla C.110. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de México.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Donato Guerra	791.4	858.8	926.1	993.5	1060.9	1128.3	1195.7	1263.0	1330.4	1397.8	12.0	20.0	8.0	12.0	16.0	16.0	12.0	0.0	0.0	4.0
Ecatepec	326.8	370.8	414.9	458.9	502.9	546.9	590.9	635.0	679.0	723.0	3.8	0.0	0.0	3.8	7.6	3.8	19.2	23.0	19.2	19.2
Ecatzingo	482.4	524.1	585.8	647.5	709.2	770.9	832.6	894.3	956.0	1017.7	10.7	3.5	0.7	7.1	10.7	14.2	10.7	10.7	10.7	10.7
Huehuetoca	556.5	614.3	672.2	730.0	787.9	845.7	903.6	961.4	1019.3	1077.1	14.2	17.8	0.7	7.1	21.4	7.1	10.7	3.5	3.5	3.5
Hueyoxtlá	415.1	467.2	519.3	571.5	623.6	675.8	727.9	780.1	832.2	884.4	3.5	3.5	4.2	10.7	10.7	14.2	10.7	25.0	0.0	7.1
Huixquilucan	583.7	662.4	741.0	819.7	898.4	977.1	1055.8	1134.4	1213.1	1291.8	3.5	0.0	0.0	7.1	10.7	7.1	10.7	17.8	25.0	17.8
Isidro Fabela	496.4	575.3	654.1	733.0	811.9	890.8	969.7	1048.5	1127.4	1206.3	3.7	0.0	1.1	3.7	0.0	25.9	14.8	25.9	7.4	7.4
Ixtapaluca	569.1	629.4	689.8	750.1	810.4	870.7	931.0	991.4	1051.7	1112.0	3.5	3.5	0.7	21.4	32.1	10.7	10.7	3.5	0.0	3.5
Ixtapan de la Sel	792.4	854.0	915.7	977.3	1039.0	1100.6	1162.3	1223.9	1285.6	1347.2	15.3	7.6	0.0	7.6	15.3	23.0	7.6	0.0	11.5	11.5
Ixtapan del Oro	597.2	689.3	781.4	873.5	965.6	1057.7	1149.8	1241.9	1334.0	1426.1	7.6	11.5	7.6	15.3	11.5	30.7	3.8	7.6	0.0	3.8
Ixtlahuaca	337.3	405.2	473.2	541.2	609.2	677.1	745.1	813.1	881.0	949.0	7.1	0.0	0.0	3.5	7.1	7.1	25.0	25.0	7.1	17.8
Xalatlaco	524.5	595.7	667.0	738.2	809.4	880.6	951.8	1023.1	1094.3	1165.5	3.8	0.0	1.5	11.5	0.0	3.8	23.0	11.5	19.2	15.3
Jaltenco	397.1	442.4	487.8	533.1	578.4	623.7	669.0	714.4	759.7	805.0	3.5	0.0	4.2	14.2	14.2	3.5	17.8	17.8	7.1	7.1
Jilotepec	379.4	440.1	500.7	561.3	622.0	682.6	743.2	803.8	864.5	925.1	5.8	11.7	0.0	11.7	29.4	17.6	0.0	11.7	5.8	5.8
Jilotzingo	685.3	738.9	792.4	845.9	899.4	953.0	1006.5	1060.0	1113.6	1167.1	7.4	11.1	7.4	18.5	14.8	11.1	14.8	3.7	3.7	7.4
Jiquipilco	682.0	746.9	811.7	876.5	941.4	1006.2	1071.0	1135.8	1200.7	1265.5	8.0	12.0	8.0	8.0	16.0	12.0	8.0	4.0	0.0	4.0
Jocotitlán	374.6	441.0	507.3	573.7	640.1	706.5	772.9	839.2	905.6	972.0	3.5	3.5	0.0	3.5	7.1	17.8	21.4	14.2	17.8	10.7
Jocuingo	734.9	794.0	853.0	912.1	971.2	1030.3	1089.4	1148.4	1207.5	1266.6	15.3	7.6	15.3	11.5	3.8	19.2	3.8	15.3	0.0	7.6
Juchitepec	509.4	601.2	693.0	784.8	876.5	968.3	1060.1	1151.9	1243.7	1335.5	7.1	10.7	15.0	14.2	21.4	7.1	3.5	7.1	0.0	3.5
Lerma	757.3	810.2	863.2	916.1	969.1	1022.0	1075.0	1127.9	1180.9	1233.8	3.8	11.5	19.2	23.0	15.3	7.6	7.6	7.6	0.0	3.8
Malinalco	686.6	787.7	888.8	989.9	1091.0	1192.0	1293.1	1394.2	1495.3	1596.4	3.8	0.0	0.0	23.0	15.3	23.0	26.9	3.8	0.0	3.8
Melchor Ocampo	460.0	497.0	534.0	571.0	608.1	645.1	682.1	719.1	756.1	793.1	7.1	0.0	1.4	10.7	14.2	7.1	14.2	17.8	3.5	3.5
Metepc	591.8	661.1	730.5	799.8	869.1	938.4	1007.7	1077.1	1146.4	1215.7	7.6	0.0	1.5	7.6	19.2	19.2	19.2	11.5	0.0	3.8
Mexicaltzingo	591.8	661.1	730.5	799.8	869.1	938.4	1007.7	1077.1	1146.4	1215.7	7.6	0.0	1.5	7.6	19.2	19.2	19.2	11.5	0.0	3.8
Morelos	342.9	428.8	514.7	600.6	686.5	772.5	858.4	944.3	1030.2	1116.1	3.5	3.5	0.0	3.5	14.2	10.7	28.5	21.4	3.5	10.7
Naucalpan de Juárez	733.1	780.1	827.2	874.2	921.3	968.4	1015.4	1062.5	1109.5	1156.6	14.2	17.8	10.7	21.4	14.2	10.7	0.0	7.1	0.0	3.5
Nezahualcóyotl	400.3	437.7	475.0	512.4	549.8	587.2	624.6	661.9	699.3	736.7	9.0	4.5	9.0	13.6	22.7	18.1	4.5	13.6	0.0	4.5
Nextlapan	460.9	499.9	538.9	577.9	616.9	655.8	694.8	733.8	772.8	811.8	7.1	7.1	17.8	7.1	14.2	14.2	14.2	0.0	14.2	3.5
Nicolás Romero	690.6	767.6	844.7	921.8	998.9	1075.9	1153.0	1230.1	1307.1	1384.2	7.1	0.0	7.1	10.7	17.8	17.8	14.2	14.2	7.1	3.5
Nopaltepec	466.7	522.6	578.6	634.6	690.6	746.5	802.5	858.5	914.4	970.4	7.6	23.0	11.5	30.7	7.6	3.8	7.6	3.8	0.0	3.8
Ocoyoacac	854.7	917.7	980.7	1043.8	1106.9	1169.9	1233.0	1296.0	1359.1	1422.1	3.7	7.4	14.8	22.2	11.1	11.1	14.8	7.4	3.7	3.7

Tabla C.110. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de México.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Ocuilán	797.2	879.7	962.1	1044.6	1127.1	1209.6	1292.1	1374.5	1457.0	1539.5	7.6	3.8	15.3	11.5	7.6	15.3	11.5	15.3	7.6	3.8
Oro, El	650.2	704.0	757.7	811.4	865.2	918.9	972.6	1026.3	1080.1	1133.8	5.5	0.0	5.5	5.5	5.5	16.6	16.6	16.6	16.6	11.1
Otumba	395.5	443.1	490.8	538.4	586.0	633.6	681.2	728.9	776.5	824.1	10.7	10.7	17.8	7.1	10.7	21.4	10.7	3.5	0.0	7.1
Otzolcoapan	649.5	694.4	739.2	784.1	829.0	873.9	918.8	963.6	1008.5	1053.4	26.6	0.0	0.0	13.3	13.3	13.3	13.3	13.3	0.0	6.6
Otzolotepec	755.2	802.2	849.3	896.4	943.4	990.5	1037.6	1084.7	1131.7	1178.8	3.8	7.6	11.5	7.6	11.5	11.5	19.2	7.6	3.8	15.3
Ozumba	462.4	524.1	585.8	647.5	709.2	770.9	832.6	894.3	956.0	1017.7	10.7	3.5	10.7	7.1	10.7	14.2	10.7	10.7	10.7	10.7
Papalotla	475.7	510.8	546.0	581.1	616.2	651.3	686.4	721.6	756.7	791.8	7.1	14.2	14.2	14.2	17.8	10.7	7.1	7.1	3.5	3.5
Paz, La	414.8	462.3	509.8	557.3	604.9	652.4	699.9	747.4	794.9	842.4	7.1	14.2	10.7	14.2	10.7	21.4	17.8	0.0	0.0	3.5
Pocoltán	485.9	544.8	603.7	662.6	721.5	780.4	839.3	898.2	957.1	1016.0	11.5	11.5	7.6	3.8	7.6	19.2	15.3	11.5	7.6	3.8
Rayón	603.3	659.7	716.2	772.6	829.0	885.4	941.8	998.3	1054.7	1111.1	7.6	11.5	3.8	3.8	11.5	11.5	23.0	11.5	3.8	11.5
San Antonio la Isla	603.3	659.7	716.2	772.6	829.0	885.4	941.8	998.3	1054.7	1111.1	7.6	11.5	3.8	3.8	11.5	11.5	23.0	11.5	3.8	11.5
San Felipe del Progreso	658.2	699.0	739.9	780.7	821.6	862.5	903.3	944.2	985.0	1025.9	15.3	0.0	7.6	15.3	7.6	7.6	19.2	15.3	7.6	3.8
San Martín de las Pirámides	411.3	455.4	499.4	543.5	587.5	631.5	675.6	719.6	763.7	807.7	14.2	7.1	3.5	10.7	25.0	10.7	10.7	7.1	3.5	7.1
San Mateo Atenco	599.0	663.8	728.5	793.3	858.0	922.7	987.5	1052.2	1117.0	1181.7	7.6	3.8	23.0	15.3	26.9	19.2	0.0	0.0	0.0	3.8
San Simón de Guerrero	1030.9	1109.1	1187.3	1265.5	1343.8	1422.0	1500.2	1578.4	1656.6	1734.8	13.7	10.3	10.3	13.7	17.2	13.7	6.8	3.4	6.8	3.4
Santo Tomás	599.9	686.5	773.2	859.8	946.4	1033.1	1119.8	1206.4	1293.1	1379.7	3.4	0.0	20.6	20.6	20.6	24.1	3.4	0.0	0.0	6.8
Soyaniquipán de Juárez	379.4	440.1	500.7	561.3	622.0	682.6	743.2	803.8	864.5	925.1	5.8	11.7	0.0	11.7	29.4	17.6	0.0	11.7	5.8	5.8
Sultepec	865.6	948.9	1032.1	1115.3	1198.6	1281.8	1365.0	1448.2	1531.5	1614.7	3.4	0.0	6.8	10.3	3.4	20.6	17.2	10.3	20.6	6.8
Tecámac	460.9	499.9	538.9	577.9	616.9	655.8	694.8	733.8	772.8	811.8	7.1	7.1	17.8	7.1	14.2	14.2	14.2	0.0	14.2	3.5
Tejupic	577.2	650.9	724.6	798.3	872.0	945.6	1019.3	1093.0	1166.7	1240.4	3.4	3.4	6.8	0.0	10.3	20.6	13.7	20.6	13.7	6.8
Temamatla	459.5	517.9	576.3	634.7	693.2	751.6	810.0	868.4	926.8	985.2	3.3	20.0	16.6	13.3	16.6	20.0	0.0	6.6	0.0	3.3
Temascalapa	411.3	455.4	499.4	543.5	587.5	631.5	675.6	719.6	763.7	807.7	14.2	7.1	3.5	10.7	25.0	10.7	10.7	7.1	3.5	7.1
Temascalcingo	553.3	600.4	647.4	694.4	741.4	788.5	835.5	882.5	929.6	976.6	3.7	7.4	11.1	14.8	14.8	14.8	11.1	14.8	3.7	3.7
Temascaltepec	833.3	930.0	1026.8	1123.5	1220.2	1316.9	1413.6	1510.4	1607.1	1703.8	3.8	23.0	23.0	19.2	7.6	7.6	3.8	3.8	3.8	3.8
Temocaya	599.0	652.9	706.7	760.6	814.4	868.2	922.1	975.9	1029.8	1083.6	7.6	0.0	7.6	7.6	19.2	19.2	15.3	3.8	15.3	3.8
Tenancingo	637.9	740.0	842.2	944.4	1046.6	1148.7	1250.9	1353.1	1455.2	1557.4	10.0	0.0	0.0	0.0	10.0	40.0	20.0	10.0	0.0	10.0
Tenango del Aire	459.5	517.9	576.3	634.7	693.2	751.6	810.0	868.4	926.8	985.2	3.3	20.0	16.6	13.3	16.6	20.0	0.0	6.6	0.0	3.3
Tenango del Valle	785.4	856.0	926.7	997.3	1068.0	1138.7	1209.3	1280.0	1350.6	1421.3	7.6	11.5	0.0	15.3	3.8	19.2	11.5	15.3	7.6	7.6
Teoloyucan	455.5	496.2	537.0	577.7	618.5	659.3	700.0	740.8	781.5	822.3	3.5	7.1	7.1	17.8	17.8	7.1	14.2	17.8	3.5	3.5
Teotihuacán	411.3	455.4	499.4	543.5	587.5	631.5	675.6	719.6	763.7	807.7	14.2	7.1	3.5	10.7	25.0	10.7	10.7	7.1	3.5	7.1
Tepetlaoxtoc	475.4	507.4	539.3	571.3	603.3	635.3	667.3	699.2	731.2	763.2	14.2	17.8	7.1	21.4	10.7	7.1	3.5	0.0	3.5	14.2

Tabla C.110. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de México.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Tepetitlpa	462.4	524.1	585.8	647.5	709.2	770.9	832.6	894.3	956.0	1017.7	10.7	3.5	10.7	7.1	10.7	14.2	10.7	10.7	10.7	
Tepozotlán	524.6	565.1	605.5	646.0	686.5	727.0	767.5	807.9	848.4	888.9	7.1	10.7	14.2	14.2	3.5	14.2	17.8	3.5	10.7	3.5
Tequixquiac	415.1	467.2	519.3	571.5	623.6	675.8	727.9	780.1	832.2	884.4	3.5	3.5	14.2	10.7	10.7	14.2	10.7	25.0	0.0	7.1
Texcaltlán	1016.5	1072.9	1129.4	1185.9	1242.4	1298.8	1355.3	1411.8	1468.2	1524.7	6.8	17.2	3.4	6.8	13.7	3.4	27.5	6.8	3.4	10.3
Texcalyacac	603.3	659.7	716.2	772.6	829.0	885.4	941.8	998.3	1054.7	1111.1	7.6	11.5	3.8	3.8	11.5	11.5	23.0	11.5	3.8	11.5
Texcoco	477.1	502.9	528.6	554.4	580.2	606.0	631.8	657.5	683.3	709.1	7.1	3.5	7.1	21.4	10.7	14.2	10.7	7.1	7.1	10.7
Tezoyuca	454.2	485.5	516.7	548.0	579.3	610.6	641.9	673.1	704.4	735.7	10.7	17.8	10.7	10.7	7.1	10.7	14.2	7.1	7.1	3.5
Tlanquistenco	603.3	659.7	716.2	772.6	829.0	885.4	941.8	998.3	1054.7	1111.1	7.6	11.5	3.8	3.8	11.5	11.5	23.0	11.5	3.8	11.5
Timilpan	537.4	621.6	705.8	790.0	874.3	958.5	1042.7	1126.9	1211.1	1295.3	4.3	8.6	8.6	4.3	13.0	17.3	17.3	13.0	8.6	4.3
Tlaimanalco	634.7	710.3	786.0	861.6	937.3	1013.0	1088.6	1164.3	1239.9	1315.6	3.5	17.8	3.5	25.0	17.8	14.2	14.2	0.0	0.0	3.5
Tlalnepantla de Baz	549.1	595.3	641.4	687.5	733.7	779.8	825.9	872.0	918.2	964.3	3.5	14.2	10.7	17.8	21.4	17.8	10.7	0.0	0.0	3.5
Tlalaya	181.0	358.5	532.0	707.5	883.1	1058.6	1234.1	1409.6	1585.1	1760.6	4.1	0.0	0.0	0.0	20.8	16.6	20.8	12.5	12.5	12.5
Toluca	673.8	729.4	785.1	840.7	896.4	952.1	1007.7	1063.4	1119.0	1174.7	3.8	3.8	11.5	3.8	23.0	11.5	15.3	11.5	11.5	3.8
Tonalico	665.9	746.3	826.6	907.0	987.4	1067.8	1148.2	1228.5	1308.9	1389.3	7.6	7.6	0.0	11.5	11.5	34.6	19.2	0.0	3.8	3.8
Tultepec	488.7	521.7	554.8	587.8	620.8	653.8	686.8	719.9	752.9	785.9	10.7	3.5	14.2	3.5	14.2	10.7	17.8	14.2	0.0	10.7
Tuxtítlan	488.7	521.7	554.8	587.8	620.8	653.8	686.8	719.9	752.9	785.9	10.7	3.5	14.2	3.5	14.2	10.7	17.8	14.2	0.0	10.7
Valle de Bravo	612.7	682.5	752.2	822.0	891.7	961.4	1031.2	1100.9	1170.7	1240.4	11.5	3.8	3.8	11.5	7.6	26.9	23.0	3.8	0.0	7.6
Villa de Atlende	705.4	782.4	859.3	936.2	1013.2	1090.1	1167.0	1243.9	1320.9	1397.8	8.0	4.0	16.6	8.0	24.0	20.0	12.0	4.0	0.0	4.0
Villa del Carbón	635.9	702.4	769.0	835.5	902.0	968.5	1035.0	1101.6	1168.1	1234.6	7.4	3.7	18.5	18.5	11.1	25.9	3.7	3.7	3.7	3.7
Villa Guerrero	674.7	763.9	853.1	942.3	1031.5	1120.6	1209.8	1299.0	1388.2	1477.4	3.8	3.8	3.8	7.6	23.0	34.6	7.6	7.6	3.8	3.8
Villa Victoria	523.4	571.2	619.0	666.8	714.5	762.3	810.1	857.9	905.7	953.5	10.0	5.0	5.0	10.0	15.0	5.0	5.0	25.0	0.0	20.0
Xonacatlán	595.1	645.5	695.9	746.3	796.7	847.0	897.4	947.8	998.2	1048.6	7.1	0.0	7.1	17.8	14.2	10.7	21.4	14.2	3.5	3.5
Zacazonapan	548.0	638.9	729.8	820.7	911.6	1002.4	1093.3	1184.2	1275.1	1366.0	6.6	0.0	0.0	20.0	13.3	20.0	20.0	6.6	0.0	13.3
Zacualpan	908.0	1033.3	1158.7	1284.0	1409.4	1534.7	1660.0	1785.4	1910.7	2036.1	17.8	14.2	14.2	21.4	25.0	0.0	3.5	0.0	0.0	3.5
Zinacantan	558.4	633.0	707.5	782.1	856.7	931.3	1005.9	1080.4	1155.0	1229.6	7.1	0.0	3.5	0.0	0.0	14.2	17.8	17.8	21.4	17.8
Zumpahuacán	665.9	746.3	826.6	907.0	987.4	1067.8	1148.2	1228.5	1308.9	1389.3	7.6	7.6	0.0	11.5	11.5	34.6	19.2	0.0	3.8	3.8
Zumpango	415.1	467.2	519.3	571.5	623.6	675.8	727.9	780.1	832.2	884.4	3.5	3.5	14.2	10.7	10.7	14.2	10.7	25.0	0.0	7.1
Cuautitlán Izcalli	524.6	565.1	605.5	646.0	686.5	727.0	767.5	807.9	848.4	888.9	7.1	10.7	14.2	14.2	3.5	14.2	17.8	3.5	10.7	3.5
Valle de Chalco Solidaridad	452.7	488.7	524.8	560.9	596.9	633.0	669.1	705.2	741.2	777.3	3.5	17.8	21.4	3.5	3.5	17.8	10.7	3.5	10.7	7.1
Estatad	654.8	692.7	730.5	768.3	806.2	844.0	881.8	919.6	957.5	995.3	10.0	3.3	6.6	16.6	13.3	10.0	23.3	6.6	3.3	6.6

Tabla C.110. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de México.

Municipio	Características promedio de la sequía meteorológica municipal											Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS	Luvia disponible				
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c	Hp disp (mm)	Hp disp (mm)	Hp disp (mm)		
Acambay	4.5	2.2	2.7	2.6	358.7	438.7	132.8	15.0	723.6	5.0	MUY SEVERA		
Acolman	4.3	1.9	1.7	0.4	171.1	179.7	100.6	16.0	510.2	6.1	SEVERA		
Aculco	3.9	2.4	1.6	0.8	268.2	313.1	167.6	29.0	408.9	5.1	VASTA		
Almoloya de Alquisiras	3.2	0.6	1.3	0.4	222.7	142.6	171.3	16.0	894.5	6.9	SEVERA		
Almoloya de Juárez	3.5	1.0	1.6	0.6	161.0	182.9	100.6	12.0	695.1	5.7	SEVERA		
Almoloya del Río	3.2	1.4	1.8	1.4	271.7	369.5	150.9	17.0	704.7	2.4	SEVERA		
Amanalco	4.1	2.9	2.1	1.3	353.8	246.0	168.4	15.0	886.4	4.9	MUY SEVERA		
Amatepec	4.7	1.7	2.0	1.1	594.7	294.6	297.3	26.0	835.0	6.9	MUY VASTA		
Amecameca	4.3	1.9	2.2	1.6	219.4	293.7	99.7	12.0	706.0	6.7	MUY SEVERA		
Apaxco	5.2	1.5	2.5	1.1	266.2	150.4	106.4	15.0	565.6	4.0	MUY SEVERA		
Atenco	7.5	5.5	3.6	2.0	240.9	51.1	66.9	12.0	471.1	5.1	EXTREMADAMENTE SEVERA		
Atizapán	3.2	1.4	1.8	1.4	271.7	369.5	150.9	17.0	704.7	2.4	SEVERA		
Atizapán de Zaragoza	3.5	1.0	1.8	1.2	169.8	125.3	94.3	11.0	699.1	2.0	SEVERA		
Atzacmulco	4.1	0.8	1.5	0.7	247.1	269.8	164.7	21.0	585.3	6.7	VASTA		
Atlix	4.1	1.9	2.1	1.5	295.9	330.3	140.9	19.0	591.9	4.9	MUY SEVERA		
Axapusco	4.1	1.5	2.1	1.2	176.3	123.8	83.9	16.0	432.9	3.8	MUY SEVERA		
Ayapango	5.2	2.7	2.6	1.6	349.6	254.3	134.4	18.0	588.2	3.2	MUY SEVERA		
Calimaya	4.0	1.8	1.7	1.0	207.1	181.3	121.8	13.0	797.1	5.6	SEVERA		
Capulhuac	3.5	1.2	1.5	1.3	281.2	460.1	187.4	20.0	714.9	6.1	SEVERA		
Coacalco de Berriozábal	3.2	1.0	1.4	0.4	115.2	85.9	82.2	13.0	540.0	4.3	SEVERA		
Coatepec Harinas	3.2	0.6	1.3	0.4	222.7	142.6	171.3	16.0	894.5	6.9	SEVERA		
Cocolitlán	4.7	2.1	2.5	2.1	258.8	239.6	103.5	16.0	524.9	3.4	MUY SEVERA		
Coyotepec	4.3	3.1	2.2	1.9	233.2	161.4	106.0	15.0	591.7	2.7	MUY SEVERA		
Cuautitlán	4.1	1.9	2.1	0.9	159.2	65.2	75.8	12.0	543.5	4.2	MUY SEVERA		
Chalco	4.7	2.1	2.5	2.1	258.8	239.6	103.5	16.0	524.9	3.4	MUY SEVERA		
Chapa de Mota	3.2	1.0	2.0	1.0	163.5	138.7	81.7	11.0	612.7	4.6	MUY SEVERA		
Chapultepec	3.2	1.4	1.8	1.4	271.7	369.5	150.9	17.0	704.7	2.4	SEVERA		
Chiautla	5.0	2.5	2.5	2.1	170.2	136.2	68.0	12.0	490.3	4.0	MUY SEVERA		
Chicoloapan	4.1	2.4	1.7	0.6	144.0	67.6	84.7	13.0	538.0	5.7	SEVERA		
Chiconcuac	6.0	2.5	2.5	2.1	170.2	136.2	68.0	12.0	490.3	4.0	MUY SEVERA		
Chimalhuacán	3.8	1.2	2.0	0.9	178.5	110.2	89.2	15.0	477.9	3.2	MUY SEVERA		

Tabla C.111. Características de la sequía promedio de cada municipio del estado de México. Fuente: INEGI

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS	flujos disponible	Hp disp S(mm)		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s	Hp	Hp disp S(mm)		
Donato Guerra	3.4	1.5	1.5	0.7	199.8	123.3	133.1	13.0	840.2	3.5	SEVERA	
Ecatepec	3.4	1.0	1.3	0.4	113.7	103.3	87.4	14.0	507.5	2.3	SEVERA	
Ecatzingo	4.1	1.9	2.1	1.5	295.9	330.3	140.9	19.0	591.9	4.9	MUY SEVERA	
Huehuetoca	4.3	0.9	1.8	0.9	252.5	127.4	140.2	19.0	580.4	4.0	SEVERA	
Hueyoptla	3.2	1.0	1.4	0.4	161.7	118.7	115.5	18.0	524.7	4.7	SEVERA	
Huixquilucan	2.8	0.9	1.2	0.4	223.4	164.9	186.1	17.0	866.2	6.7	SEVERA	
Isidro Fabela	3.1	0.9	1.4	0.4	201.8	231.8	144.1	15.0	761.6	2.1	SEVERA	
Ixtapaluca	3.4	1.0	2.0	1.0	140.5	122.9	70.2	9.0	700.7	5.6	MODERADA	
Ixtapan de la Sal	3.2	1.0	1.5	0.8	230.2	121.0	153.4	14.0	879.6	5.6	SEVERA	
Ixtapan del Oro	4.6	1.2	3.0	1.5	546.5	573.9	182.1	19.0	730.5	5.1	EXTREMADAMENTE SEVERA	
Ixtlahuaca	3.5	2.0	2.0	2.0	231.5	405.0	115.7	16.0	604.8	5.4	MUY SEVERA	
Xalatlaco	3.5	1.2	1.5	1.3	281.2	460.1	187.4	20.0	714.9	6.1	SEVERA	
Jaltenco	3.2	1.0	1.4	0.4	144.0	83.1	102.8	17.0	998.1	5.4	SEVERA	
Jilotepec	2.7	0.4	1.5	0.4	161.8	114.4	107.8	17.0	604.2	4.5	SEVERA	
Jitotzingo	2.7	0.6	1.4	0.5	146.5	109.4	104.6	11.0	776.2	4.6	SEVERA	
Jiquipilco	4.0	1.7	2.3	1.2	251.2	133.9	109.2	12.0	748.6	4.4	MUY SEVERA	
Jocotitlan	4.3	1.5	1.5	0.4	230.7	237.2	153.8	20.0	885.0	7.8	SEVERA	
Joquicingo	3.3	0.9	1.8	1.3	279.6	303.9	155.3	16.0	778.4	4.5	SEVERA	
Juchitepec	3.6	1.8	2.1	1.8	309.1	242.1	147.1	19.0	621.9	5.1	MUY SEVERA	
Lerma	4.1	0.8	2.1	1.1	174.3	121.1	83.0	9.0	632.2	4.1	MODERADA	
Malinalco	4.0	1.1	1.7	0.4	243.7	155.4	143.3	12.0	964.4	5.3	SEVERA	
Melchor Ocampo	2.8	0.8	1.5	0.5	106.0	90.0	70.6	11.0	634.7	4.3	SEVERA	
Metepec	3.5	1.8	1.5	1.3	217.2	338.9	144.8	16.0	723.5	6.0	SEVERA	
Mexicaltzingo	3.5	1.8	1.5	1.3	217.2	338.9	144.8	16.0	723.5	6.0	SEVERA	
Morelos	4.7	1.8	1.8	0.8	321.6	333.4	178.6	22.0	610.9	2.4	VASTA	
Naucalpan de Juárez	3.2	1.0	1.5	0.9	136.3	107.3	90.8	10.0	760.7	3.6	NORMAL	
Nezahualcóyotl	7.5	5.5	3.6	2.0	240.9	51.1	66.9	12.0	471.1	5.1	EXTREMADAMENTE SEVERA	
Nextlapan	4.3	1.9	1.8	0.9	175.5	107.5	97.5	16.0	607.4	6.6	SEVERA	
Nicolás Romero	4.7	2.7	2.0	1.4	323.2	310.3	161.6	15.0	857.0	6.1	MUY SEVERA	
Nopaltepec	2.2	0.4	1.7	2.1	137.6	232.8	80.9	13.0	523.3	4.0	SEVERA	
Ocoyoacac	4.0	2.7	2.2	1.6	238.6	199.8	108.4	9.0	976.4	4.6	MODERADA	

Tabla C.111. Características de la sequía promedio de cada municipio del estado de México.

Municipio	Características promedio de la sequía meteorológica municipal								Luvia disponible Hp disp S(mm)	Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c			
Ocuilán	4.0	1.1	1.7	0.4	325.9	170.7	191.7	16.0	937.0	4.8	SEVERA
Oro, El	4.6	0.4	1.7	0.8	234.8	162.4	138.1	14.0	798.1	7.1	SEVERA
Otumba	4.9	1.8	2.1	1.0	230.9	171.2	109.9	19.0	440.3	4.4	MUY SEVERA
Otzoloapan	3.5	0.5	1.3	0.4	163.2	55.8	125.5	15.0	680.1	3.3	SEVERA
Otzolotepec	4.1	2.0	1.8	0.9	197.4	97.0	109.6	11.0	857.8	5.1	SEVERA
Ozumba	4.1	1.9	2.1	1.5	295.9	330.3	140.9	19.0	591.9	4.9	MUY SEVERA
Papalotla	5.0	2.6	2.3	1.7	157.3	77.9	68.3	11.0	517.7	4.8	MUY SEVERA
Paz, La	3.8	1.2	2.0	0.9	178.5	110.2	89.2	15.0	477.9	3.2	MUY SEVERA
Polotitlán	3.5	1.6	1.2	0.4	224.7	121.4	187.2	26.0	526.1	4.6	VASTA
Rayón	3.2	1.4	1.8	1.4	271.7	369.5	150.9	17.0	704.7	2.4	SEVERA
San Antonio la Isla	3.2	1.4	1.8	1.4	271.7	369.5	150.9	17.0	704.7	2.4	SEVERA
San Felipe del Progreso	4.0	1.6	1.7	0.8	172.3	108.3	101.3	12.0	717.6	5.4	SEVERA
San Martín de las Pirámides	3.5	1.7	1.7	1.0	155.2	174.1	91.2	16.0	477.9	5.2	SEVERA
San Mateo Atenco	3.5	1.0	1.6	0.6	147.0	116.9	91.8	11.0	691.9	4.5	SEVERA
San Simón de Guerrero	3.1	0.8	1.5	0.6	233.7	160.9	155.8	12.0	1118.7	4.8	SEVERA
Santo Tomás	3.6	0.7	2.1	1.4	262.1	256.3	124.8	13.0	773.5	4.9	MUY SEVERA
Soyaniquilpan de Juárez	2.7	0.4	1.5	0.4	161.8	114.4	107.8	17.0	504.2	4.5	SEVERA
Sultepec	3.5	1.2	1.5	0.4	257.2	143.4	171.4	13.0	1121.3	5.5	SEVERA
Tecámac	4.3	1.9	1.8	0.9	175.5	107.5	97.5	16.0	507.4	6.6	SEVERA
Tejupic	4.0	1.0	1.8	0.8	278.7	227.7	154.8	16.0	803.8	6.0	SEVERA
Temamatla	4.7	2.1	2.5	2.1	258.8	239.6	103.5	16.0	524.9	3.4	MUY SEVERA
Temascalapa	3.5	1.7	1.7	1.0	155.2	174.1	91.2	16.0	477.9	5.2	SEVERA
Temascalcingo	3.4	1.2	1.7	0.8	156.3	121.0	91.9	12.0	646.0	4.6	SEVERA
Temascaltepec	3.3	0.9	2.2	1.6	318.1	215.8	144.5	13.0	940.4	4.2	MUY SEVERA
Temoaya	3.2	1.6	1.6	0.8	165.4	150.1	103.3	12.0	737.9	5.3	SEVERA
Tenancingo	4.0	1.0	1.3	0.4	276.0	320.0	212.3	19.0	895.2	2.2	SEVERA
Tenango del Aire	4.7	2.1	2.5	2.1	258.8	239.6	103.5	16.0	524.9	3.4	MUY SEVERA
Tenango del Valle	3.8	1.5	1.5	0.4	294.8	223.3	196.5	17.0	895.5	6.5	SEVERA
Teoloyucan	4.1	1.9	2.1	0.9	159.2	65.2	75.8	12.0	543.5	4.2	MUY SEVERA
Teotihuacán	3.5	1.7	1.7	1.0	155.2	174.1	91.2	16.0	477.9	5.2	SEVERA
Tepetlaoxtoc	5.0	1.4	2.8	1.3	172.0	82.3	61.4	10.0	510.2	5.2	MODERADA

Tabla C.111. Características de la sequía promedio de cada municipio del estado de México.

Municipio	Características promedio de la sequía meteorológica municipal								Hrvia disponible para H _p disp S(mm)	Tr(años) para H _p disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _e			
Tepetlixpa	4.1	1.9	2.1	1.5	295.9	330.3	140.9	19.0	591.9	4.9	MUY SEVERA
Tepotzotlán	4.1	1.0	1.8	0.8	183.5	147.0	101.9	15.0	572.2	5.1	SEVERA
Tequixquiac	3.2	1.0	1.4	0.4	161.7	118.7	115.5	18.0	524.7	4.7	SEVERA
Texcaltitán	4.0	1.3	1.7	0.8	247.0	92.8	145.2	11.0	1096.0	3.5	SEVERA
Texcalyacac	3.2	1.4	1.8	1.4	271.7	369.5	150.9	17.0	704.7	2.4	SEVERA
Texcoco	5.0	1.0	2.5	0.9	129.2	86.0	51.6	8.0	533.9	4.5	MODERADA
Tezoyuca	5.0	2.5	2.5	2.1	170.2	136.2	68.0	12.0	490.3	4.0	MUY SEVERA
Tlanquisteñco	3.2	1.4	1.8	1.4	271.7	369.5	150.9	17.0	704.7	2.4	SEVERA
Timilpan	5.0	1.6	2.7	3.0	472.7	767.5	175.0	19.0	731.9	5.3	MUY SEVERA
Tlamanalco	3.4	1.1	1.7	0.9	214.3	259.9	126.0	14.0	748.3	4.9	SEVERA
Tlalnepantla de Baz	4.3	0.9	1.8	1.1	146.0	151.7	81.1	11.0	606.7	4.7	SEVERA
Tlatlaya	5.0	2.1	2.2	1.9	698.9	518.6	317.6	27.0	819.6	5.8	MUY VASTA
Toluca	4.0	1.8	1.7	1.0	207.1	181.3	121.8	13.0	797.1	5.6	SEVERA
Tonatico	4.6	2.4	1.5	0.7	287.5	213.2	191.6	19.0	782.0	10.6	SEVERA
Tultepec	3.2	1.0	1.4	0.4	115.2	85.9	82.2	13.0	540.0	4.3	SEVERA
Tullitlán	3.2	1.0	1.4	0.4	115.2	85.9	82.2	13.0	540.0	4.3	SEVERA
Valle de Bravo	3.6	2.4	1.4	0.4	257.8	215.2	184.1	20.0	706.3	8.2	SEVERA
Villa de Alende	4.0	1.6	1.5	0.7	235.4	130.2	156.9	16.0	809.1	5.9	SEVERA
Villa del Carbón	3.1	2.0	1.6	1.3	202.7	177.4	126.6	14.0	732.4	5.2	SEVERA
Villa Guerrero	4.7	3.1	2.1	1.0	252.8	173.1	120.3	11.0	928.2	6.6	MUY SEVERA
Villa Victoria	5.6	3.0	2.5	1.1	299.9	218.8	119.9	16.0	628.6	4.7	MUY SEVERA
Xonacatlán	4.1	1.9	1.8	0.8	189.6	173.6	105.3	13.0	698.4	5.8	SEVERA
Zacazonapan	4.3	0.9	1.7	0.8	307.7	223.3	181.0	18.0	772.9	5.9	SEVERA
Zacualpan	5.0	2.4	2.6	1.3	547.6	385.0	210.6	18.0	949.3	2.1	MUY SEVERA
Zinacantepec	4.0	0.8	1.7	1.0	263.8	474.7	155.1	15.0	850.2	6.1	SEVERA
Zumpahuacán	4.6	2.4	1.5	0.7	287.5	213.2	191.6	19.0	782.0	10.6	SEVERA
Zumpango	3.2	1.0	1.4	0.4	161.7	118.7	115.5	18.0	524.7	4.7	SEVERA
Cuautitlán Izcalli	4.1	1.0	1.8	0.8	183.5	147.0	101.9	15.0	572.2	5.1	SEVERA
Valle de Chalco Solidaridad	3.8	1.2	2.0	0.9	172.3	117.0	86.1	14.0	499.1	3.9	MUY SEVERA
Estatat	4.1	1.9	2.0	1.3	164.6	207.1	82.3	10.0	718.6	5.7	MODERADA

Tabla C.111. Características de la sequía promedio de cada municipio del estado de México.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I'	Intensidad	Duración / máx	% de I'	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I'(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Acambay	1207.1	8.0	150.8	17.0	162.8	2.0	19.0	40.0	40.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
Acolman	551.3	2.0	275.6	45.0	275.6	2.0	45.0	28.5	71.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aculco	918.1	3.0	306.0	53.0	306.0	3.0	53.0	62.5	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Almoloya A.	555.7	2.0	277.8	26.0	277.8	2.0	26.0	62.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Almoloya J.	642.3	3.0	214.1	26.0	214.1	3.0	26.0	50.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Almoloya R.	1070.2	5.0	214.0	25.0	308.7	1.0	36.0	66.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Amanalco	655.0	5.0	131.0	12.0	304.0	2.0	38.0	33.3	50.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Amatepec	1126.8	1.0	1126.8	99.0	1126.8	1.0	99.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Amecameca	915.0	6.0	152.5	18.0	152.5	6.0	18.0	42.8	28.5	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Apaxco	407.4	4.0	101.8	15.0	174.2	2.0	25.0	16.6	50.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Atenco	299.7	6.0	49.9	9.0	175.1	1.0	32.0	33.3	0.0	0.0	33.3	0.0	33.3	0.0	0.0	0.0	0.0
Atlixpán	1070.2	5.0	214.0	25.0	308.7	1.0	36.0	66.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Atlixpán Z.	437.3	4.0	109.3	13.0	157.1	1.0	19.0	62.5	12.5	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Atlixpán M.	844.1	2.0	422.0	56.0	422.0	2.0	56.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atlixpán N.	867.5	5.0	173.5	23.0	207.5	1.0	28.0	57.1	14.2	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Axapusco	418.3	4.0	104.5	20.0	120.9	2.0	23.0	42.8	28.5	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Ayapango	750.4	6.0	125.0	17.0	200.6	3.0	27.0	33.3	16.6	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Calimaya	497.7	4.0	124.4	13.0	187.8	2.0	20.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Capulhuac	1380.6	5.0	276.1	30.0	276.1	5.0	30.0	85.7	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Coacaco	280.2	2.0	140.1	22.0	159.6	1.0	25.0	55.5	44.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coatepec H.	555.7	2.0	277.8	26.0	277.8	2.0	26.0	62.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cocotitlán	758.6	7.0	108.3	17.0	161.9	1.0	25.0	50.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coyotepec	582.9	7.0	83.2	11.0	195.0	1.0	27.0	42.8	42.8	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.0
Cuautitlán	259.4	4.0	64.8	10.0	147.6	1.0	23.0	28.5	42.8	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Chalco	758.6	7.0	108.3	17.0	161.9	1.0	25.0	50.0	16.6	16.6	0.0	0.0	0.0	0.0	16.6	0.0	0.0
Chapa de M.	440.0	4.0	110.0	16.0	110.0	4.0	15.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Chapultepec	1070.2	5.0	214.0	25.0	308.7	1.0	36.0	66.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Chiautla	453.7	7.0	64.8	11.0	129.9	1.0	23.0	50.0	16.6	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Chicoloapan	276.9	2.0	138.4	22.0	145.7	1.0	23.0	42.8	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chiconcuac	453.7	7.0	64.8	11.0	129.9	1.0	23.0	50.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chimalhuacán	327.9	4.0	81.9	14.0	149.4	2.0	26.0	28.5	57.1	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.112. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de México.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I*	Intensidad	Duración / máx	% de I máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I*(mm/año)	respecto a X _c	I máx(mm/año)	D / máx(años)	respecto a X _c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Donato Guerra	443.9	3.0	147.9	15.0	249.3	1.0	25.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ecatepec	337.0	2.0	168.5	28.0	168.5	2.0	28.0	62.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ecatzingo	867.5	5.0	173.5	23.0	207.5	1.0	28.0	57.1	14.2	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Huehuetoca	417.2	4.0	104.3	14.0	218.3	1.0	30.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Hueyoxtla	351.2	2.0	175.6	27.0	201.4	1.0	31.0	55.5	44.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Huixquilucan	547.3	1.0	547.3	52.0	547.3	1.0	52.0	77.7	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Isidro Fabela	773.9	2.0	386.9	42.0	386.9	2.0	42.0	55.5	44.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ixtapaluca	319.3	4.0	79.8	10.0	154.0	2.0	19.0	37.5	37.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Ixtapan Sal	423.0	3.0	141.0	13.0	300.2	1.0	29.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ixtapan Oro	1516.5	5.0	303.3	33.0	303.3	5.0	33.0	25.0	25.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0
Ixtlahuaca	1201.7	7.0	171.6	23.0	171.6	7.0	23.0	71.4	14.2	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.0
Xalatlaco	1380.6	5.0	276.1	30.0	276.1	5.0	30.0	85.7	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Jaltenco	293.5	2.0	146.7	24.0	152.0	1.0	25.0	55.5	44.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jilotepec	293.2	1.0	293.2	47.0	293.2	1.0	47.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jilotzingo	345.5	2.0	172.7	19.0	172.7	2.0	19.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jiquipilco	466.8	4.0	116.7	13.0	240.6	1.0	28.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Jocotitlán	779.7	2.0	389.8	52.0	389.8	2.0	52.0	42.8	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Joquicingo	997.7	5.0	199.5	21.0	218.7	1.0	23.0	57.1	28.5	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Juchitepec	727.1	5.0	145.4	18.0	332.7	1.0	43.0	71.4	0.0	0.0	0.0	28.5	0.0	0.0	0.0	0.0	0.0
Lerma	382.6	4.0	95.6	10.0	127.9	2.0	13.0	42.8	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Malinalco	522.2	1.0	522.2	47.0	522.2	1.0	47.0	28.5	71.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Melchor O.	260.1	2.0	130.0	21.0	130.0	2.0	21.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Metepec	1039.9	5.0	207.9	23.0	207.9	5.0	23.0	85.7	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Mexicaltzingo	1039.9	5.0	207.9	23.0	207.9	5.0	23.0	85.7	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Morelos	983.5	3.0	327.8	41.0	327.8	3.0	41.0	50.0	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Naucalpan	404.9	4.0	101.2	11.0	165.5	1.0	19.0	66.6	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Nezahualcóyotl	299.7	6.0	49.9	9.0	175.1	1.0	32.0	33.3	0.0	0.0	33.3	0.0	33.3	0.0	0.0	0.0	0.0
Nextlapan	329.2	4.0	82.3	13.0	143.7	2.0	23.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Nicolás Romero	772.4	4.0	193.1	18.0	231.7	1.0	22.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Nopaltepec	786.5	8.0	98.3	16.0	101.9	1.0	16.0	88.8	0.0	0.0	0.0	0.0	0.0	0.0	11.1	0.0	0.0
Ocoyoacac	636.4	6.0	106.0	9.0	159.3	2.0	14.0	42.8	28.5	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0

Tabla C.112. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de México.

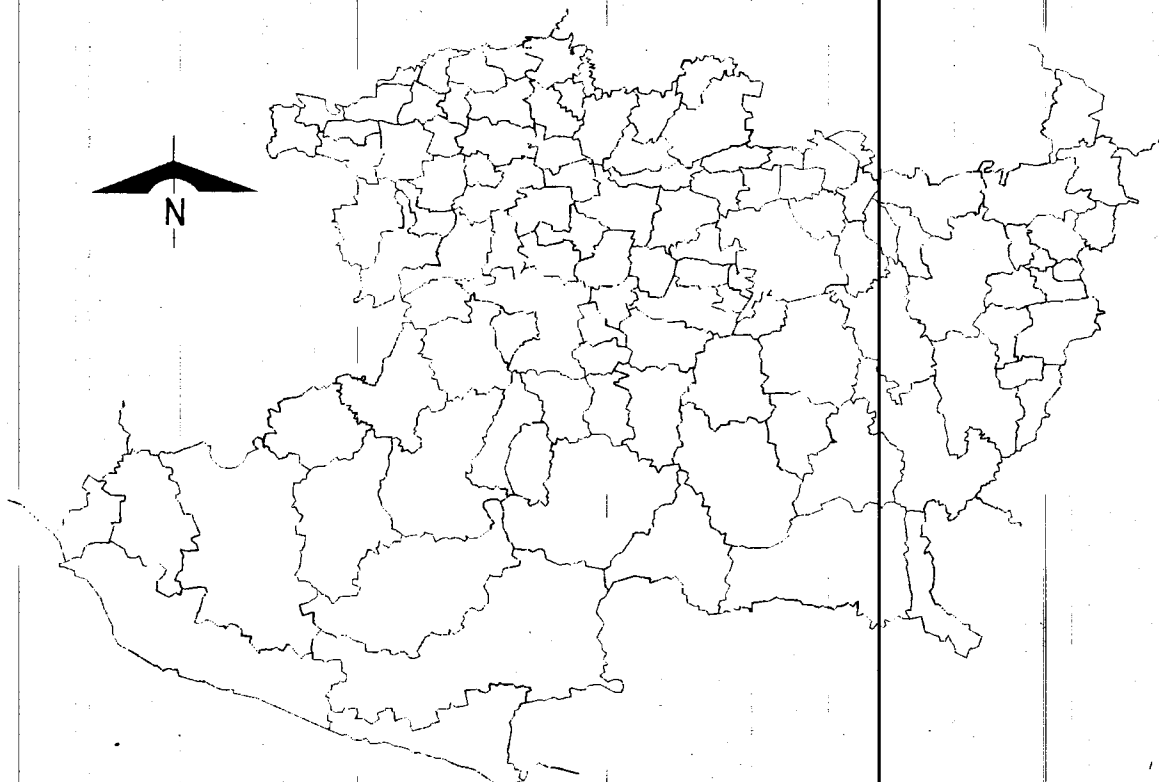
Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I	Intensidad	Duración / máx	% de $I / máx$	Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	$S_{máx}(mm)$	$D_{máx}(años)$	$I(mm/año)$	respecto a X_c	$I(máx(mm/año))$	$D(máx(años))$	respecto a X_c	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
Ocuilán	660.6	2.0	330.3	29.0	414.0	1.0	36.0	28.5	71.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oro, El	495.1	3.0	165.0	17.0	194.8	1.0	20.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Otumba	551.9	4.0	137.9	25.0	168.9	2.0	30.0	33.3	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Otzolotepec	213.6	2.0	106.8	13.0	201.0	1.0	24.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ozumba	364.1	4.0	91.0	9.0	259.3	1.0	26.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Papalotla	254.7	2.0	127.3	21.0	127.3	2.0	28.0	57.1	14.2	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Paz, La	327.9	4.0	81.9	14.0	149.4	2.0	21.0	50.0	16.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Polotitlán	433.5	2.0	216.7	30.0	286.3	1.0	26.0	28.5	57.1	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Rayón	1070.2	5.0	214.0	25.0	308.7	1.0	36.0	66.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
San Antonio	1070.2	5.0	214.0	25.0	308.7	1.0	36.0	66.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
San Felipe	377.4	3.0	125.8	15.0	201.6	1.0	36.0	66.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
San Martín	570.2	4.0	142.5	25.0	142.5	4.0	24.0	57.1	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
San Mateo A	418.7	3.0	139.5	17.0	249.4	1.0	25.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
San Simón	479.0	2.0	239.5	18.0	321.8	1.0	31.0	50.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Santo Tomás	875.7	5.0	175.1	19.0	177.3	1.0	25.0	60.0	30.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soyaniquilpan	293.2	1.0	293.2	47.0	293.2	1.0	19.0	57.1	0.0	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Sultepec	574.0	2.0	287.0	22.0	332.7	1.0	47.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tecámac	329.2	4.0	82.3	13.0	143.7	2.0	25.0	44.4	55.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tejupic	634.9	3.0	211.6	22.0	455.1	1.0	23.0	42.8	42.8	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0
Temamatlá	758.6	7.0	108.3	17.0	161.9	1.0	47.0	42.8	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Temascalapa	570.2	4.0	142.5	25.0	142.5	4.0	25.0	50.0	16.6	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Temascalcingo	404.5	3.0	134.8	18.0	231.6	1.0	25.0	62.5	12.5	12.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
Temascaltepec	796.4	6.0	132.7	12.0	249.7	1.0	31.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Temoaya	438.4	3.0	146.1	17.0	181.9	1.0	23.0	42.8	28.5	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Tenancingo	728.6	2.0	364.3	32.0	364.3	2.0	21.0	62.5	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tenango Aire	758.6	7.0	108.3	17.0	161.9	1.0	32.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tenango Valle	587.2	2.0	293.6	26.0	293.6	2.0	25.0	50.0	16.6	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Teoloyucan	259.4	4.0	64.8	10.0	147.6	1.0	26.0	42.8	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Teotihuacán	570.2	4.0	142.5	25.0	142.5	4.0	23.0	28.5	42.8	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Tepetitla	262.8	3.0	87.6	15.0	108.9	2.0	25.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Tepetitla	262.8	3.0	87.6	15.0	108.9	2.0	19.0	16.6	33.3	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0

Tabla C.112. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de México.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{máx} / D_{máx}$	% de I^*	Intensidad	Duración / máx	% de $I / máx$	Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_c	I (mm/año)	D (años)	respecto a X_c	1 año (%)	2 años (%)	3 años (%)	4 años (%)	5 años (%)	6 años (%)	7 años (%)	8 años (%)	9 años (%)	10 años (%)
Tepetlixpa	867.5	5.0	173.5	23.0	207.5	1.0	28.0	57.1	14.2	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Tepotztlán	520.7	3.0	173.5	25.0	173.5	3.0	25.0	42.8	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tequixquiác	351.2	2.0	175.6	27.0	201.4	1.0	31.0	55.5	44.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Texcaltlán	349.0	2.0	174.5	14.0	281.2	1.0	22.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Texcalyacac	1070.2	5.0	214.0	25.0	308.7	1.0	36.0	66.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Texcoco	263.0	2.0	131.5	22.0	131.5	2.0	22.0	16.6	33.3	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Tezbyuca	453.7	7.0	64.8	11.0	129.9	1.0	23.0	50.0	16.6	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Tlanquistenco	1070.2	5.0	214.0	25.0	308.7	1.0	36.0	66.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Timilpan	1801.9	8.0	225.2	24.0	225.2	8.0	24.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tlalmanalco	867.5	4.0	216.8	24.0	216.8	4.0	24.0	50.0	37.5	0.0	12.5	0.0	0.0	0.0	0.0	25.0	0.0
Tlalnepantla	463.6	4.0	115.9	16.0	115.9	4.0	16.0	57.1	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Tlatlaya	1489.3	6.0	248.2	21.0	1131.7	1.0	99.0	60.0	20.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
Toluca	497.7	4.0	124.4	13.0	187.8	2.0	20.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Tonatico	646.5	2.0	323.2	33.0	388.1	1.0	39.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tultepec	280.2	2.0	140.1	22.0	159.6	1.0	25.0	55.5	44.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tultitlán	280.2	2.0	140.1	22.0	159.6	1.0	25.0	55.5	44.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Valle de B.	642.5	2.0	321.2	36.0	321.2	2.0	36.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Villa de A.	422.0	3.0	140.6	14.0	337.5	1.0	34.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Villa del C.	630.8	5.0	126.1	14.0	289.6	1.0	33.0	75.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Villa Guerrero	519.9	3.0	173.3	16.0	463.0	1.0	44.0	33.3	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Villa Victoria	571.8	3.0	190.6	25.0	190.6	3.0	25.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Xonacatlán	575.8	3.0	191.9	23.0	191.9	3.0	23.0	42.8	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zacazonapan	628.5	3.0	209.5	21.0	209.5	3.0	21.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zacualpan	1249.2	5.0	249.8	21.0	356.2	1.0	30.0	20.0	40.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Zinacantepec	1415.4	4.0	353.8	35.0	353.8	4.0	35.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Zumpahuacán	646.5	2.0	323.2	33.0	388.1	1.0	39.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zumpango	351.2	2.0	175.6	27.0	201.4	1.0	31.0	55.5	44.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cuautitlán I.	520.7	3.0	173.5	25.0	173.5	3.0	25.0	42.8	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Valle de Ch.	451.0	4.0	112.7	19.0	122.5	1.0	20.0	28.5	57.1	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Estatal	651.7	5.0	130.3	16.0	130.3	5.0	16.0	42.8	42.8	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0

Tabla C.112. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de México.

MICHOACÁN



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)		Lluvia mínima	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _a (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp mín(mm)	Hp mín
HA16002	1318.3	1315.3	256.0	-0.1	4.3	0.19	1321.0	1131.0	1005.0	881.0	710.0	573.0	36.2	638.0	72.3
HA16003	963.6	937.8	227.9	0.3	3.7	0.24	914.0	785.0	678.0	522.0	302.0	137.0	14.4	491.2	22.7
HA16004	650.2	636.0	181.1	0.0	4.0	0.26	639.0	566.0	474.0	344.0	173.0	46.0	19.3	274.5	29.0
HA16006	635.4	638.6	198.1	0.2	4.9	0.31	644.0	483.0	378.0	277.0	145.0	47.0	14.1	234.9	26.7
HA16008	1016.9	1035.5	328.4	-0.1	5.1	0.32	1031.0	825.0	655.0	443.0	103.0	0.0	24.9	205.9	38.3
HA16009	945.1	888.3	313.2	0.3	3.6	0.33	880.0	670.0	542.0	412.0	222.0	61.0	30.3	177.4	61.1
HA16010	991.0	976.3	258.5	-0.8	5.4	0.26	1008.0	811.0	688.0	570.0	419.0	305.0	36.8	362.4	70.4
HA16011	563.4	587.7	159.7	-1.2	5.7	0.28	589.0	450.0	366.0	287.0	185.0	109.0	25.9	204.4	41.8
HA16012	802.5	813.3	217.7	-0.6	4.5	0.27	813.0	633.0	522.0	418.0	284.0	185.0	24.9	300.7	44.7
HA16014	896.2	908.8	172.1	-0.4	3.4	0.19	901.0	779.0	701.0	628.0	534.0	464.0	40.9	483.7	82.3
HA16017	715.0	674.6	270.2	0.3	2.9	0.38	676.0	489.0	381.0	279.0	144.0	41.0	15.7	210.6	31.9
HA16020	753.4	732.7	226.5	-0.4	4.3	0.30	760.0	617.0	502.0	367.0	168.0	13.0	26.9	205.3	42.3
HA16021	1136.9	1060.0	198.0	0.7	3.9	0.17	1068.0	988.0	942.0	896.0	829.0	769.0	16.3	844.0	41.3
HA16022	764.8	770.5	262.3	0.0	5.1	0.34	779.0	594.0	470.0	348.0	182.0	48.0	33.7	114.4	71.3
HA16024	716.4	725.1	219.9	-0.3	3.4	0.31	735.0	551.0	427.0	304.0	138.0	8.0	21.9	185.3	38.7
HA16025	771.5	773.0	244.9	0.0	3.7	0.32	591.3	374.7	231.4	93.8	0.0	0.0	6.3	195.8	11.9
HA16026	649.6	627.8	189.8	0.1	2.5	0.29	640.0	479.0	428.0	381.0	316.0	262.0	20.0	313.5	51.7
HA16027	632.1	591.5	258.1	0.6	5.9	0.41	581.0	440.0	227.0	0.0	0.0	0.0	10.0	70.7	15.4
HA16028	532.1	595.2	200.1	-0.6	3.2	0.38	563.0	387.0	270.0	159.0	16.0	0.0	10.5	196.0	15.9
HA16029	704.0	724.7	149.3	-1.2	7.3	0.21	718.0	599.0	522.0	449.0	354.0	283.0	65.1	256.1	130.0
HA16030	804.5	770.5	227.2	0.6	4.8	0.28	759.0	651.0	565.0	446.0	230.0	52.0	26.9	267.9	43.0
HA16031	796.9	812.4	147.9	-0.1	2.5	0.19	817.0	643.0	590.0	542.0	472.0	412.0	12.9	516.0	28.4
HA16032	1173.6	1145.3	323.2	0.4	3.3	0.28	1110.0	899.0	779.0	660.0	494.0	357.0	14.0	593.9	29.1
HA16033	707.7	726.0	227.0	-0.8	4.5	0.32	723.0	552.0	447.0	348.0	221.0	126.0	34.1	184.7	65.3
HA16034	744.0	775.9	263.0	-0.5	4.2	0.35	771.0	661.0	485.0	303.0	69.0	0.0	21.6	177.0	32.6
HA16035	642.1	601.8	198.8	0.9	3.5	0.31	582.0	467.0	398.0	326.0	217.0	118.0	5.1	393.5	10.4
HA16037	899.4	895.3	206.4	0.3	4.1	0.23	894.0	749.0	653.0	555.0	418.0	306.0	9.7	583.7	16.4
HA16038	932.3	940.0	181.4	0.2	3.5	0.19	942.0	733.0	684.0	618.0	489.0	382.0	7.2	640.0	16.4
HA16041	870.7	890.0	174.6	-0.7	5.5	0.20	896.0	738.0	606.0	481.0	319.0	199.0	18.9	408.7	30.0
HA16043	706.2	718.5	176.0	-0.7	4.9	0.25	727.0	596.0	498.0	391.0	232.0	102.0	44.5	159.2	74.2
HA16044	825.2	826.1	277.7	-0.3	4.0	0.34	825.0	644.0	505.0	347.0	110.0	0.0	28.9	131.1	46.3
HA16045	1303.0	1438.5	528.6	-0.5	3.1	0.41	914.0	446.7	137.2	0.0	0.0	0.0	4.7	289.4	7.1
HA16046	445.0	461.9	154.6	0.5	3.0	0.35	430.0	292.0	248.0	197.0	106.0	19.0	5.3	236.0	11.9

Tabla C.113. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Michoacán.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos					de retorno (Tr)	Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
X_c (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min	
HA16047	676.0	633.5	182.1	0.2	2.2	0.27	631.0	514.0	458.0	406.0	338.0	287.0	12.6	373.7	30.9
HA16048	712.9	739.6	217.1	-0.2	2.6	0.30	722.0	545.0	435.0	330.0	197.0	97.0	14.1	300.4	24.5
HA16049	1058.7	1015.6	202.3	0.5	3.3	0.19	1031.0	902.0	820.0	740.0	631.0	543.0	21.8	636.9	47.6
HA16050	829.3	841.1	175.5	0.2	3.3	0.21	832.0	680.0	577.0	473.0	332.0	219.0	10.3	498.5	16.9
HA16051	752.3	738.0	211.3	-0.2	4.8	0.28	762.0	601.0	496.0	392.0	256.0	150.0	43.0	156.4	96.2
HA16052	664.4	672.0	224.2	-0.3	5.7	0.34	680.0	524.0	422.0	324.0	198.0	103.0	43.8	93.9	106.9
HA16053	966.0	1018.0	214.5	-0.6	4.5	0.22	966.0	817.0	711.0	611.0	481.0	385.0	19.7	534.2	34.3
HA16054	707.7	749.3	171.1	-1.3	4.7	0.24	755.0	598.0	489.0	386.0	254.0	155.0	28.8	265.5	46.0
HA16055	768.0	732.6	211.6	0.5	3.1	0.28	731.0	593.0	510.0	425.0	303.0	200.0	11.6	401.8	24.1
HA16058	774.1	758.0	241.3	0.7	4.0	0.31	756.0	595.0	492.0	394.0	268.0	174.0	17.3	305.5	38.1
HA16059	905.0	906.5	199.7	-0.3	3.8	0.22	905.0	771.0	687.0	607.0	505.0	428.0	74.7	371.5	167.3
HA16060	778.8	816.1	166.0	0.1	3.3	0.21	785.0	651.0	564.0	481.0	374.0	294.0	17.6	426.6	31.8
HA16061	739.2	792.7	230.9	-1.1	5.2	0.31	785.0	611.0	449.0	270.0	31.0	0.0	23.5	117.5	35.9
HA16062	863.8	824.3	247.4	0.4	3.7	0.29	827.0	672.0	574.0	477.0	342.0	232.0	20.9	361.1	44.2
HA16063	845.9	753.2	465.0	3.7	21.7	0.55	784.0	600.0	467.0	315.0	0.0	0.0	13.2	100.5	39.3
HA16064	657.9	665.1	146.5	-0.1	3.8	0.22	550.0	420.5	334.7	252.5	146.0	66.2	7.0	318.0	11.5
HA16065	798.9	773.0	421.6	2.0	10.9	0.53	784.0	524.0	354.0	191.0	0.0	0.0	9.4	109.1	28.5
HA16066	829.3	760.5	214.4	2.2	12.0	0.26	744.0	688.0	639.0	533.0	300.0	123.0	2.6	660.5	7.7
HA16067	775.4	758.3	176.5	0.4	3.4	0.23	745.0	629.0	556.0	483.0	378.0	289.0	12.6	454.1	26.0
HA16068	789.0	769.8	305.0	1.0	6.4	0.39	803.0	547.0	376.0	210.0	0.0	0.0	9.0	237.4	17.8
HA16070	983.1	930.7	301.9	0.2	2.9	0.31	941.0	734.0	617.0	507.0	365.0	257.0	18.6	391.7	42.0
HA16071	1376.1	1317.5	357.5	0.4	3.0	0.26	1326.0	1088.0	949.0	818.0	650.0	525.0	8.6	856.0	16.3
HA16072	863.3	831.3	190.8	0.3	3.1	0.22	827.0	695.0	622.0	548.0	442.0	353.0	8.8	560.7	17.8
HA16073	1020.6	990.3	179.7	0.3	2.2	0.18	998.0	852.0	805.0	760.0	698.0	646.0	12.0	731.9	30.4
HA16074	670.0	677.5	153.6	0.7	3.2	0.23	647.0	521.0	491.0	452.0	362.0	271.0	5.0	467.9	15.5
HA16075	792.5	776.3	160.9	-0.8	4.9	0.20	801.0	675.0	597.0	523.0	429.0	359.0	56.0	344.3	115.2
HA16078	844.7	839.8	344.6	0.1	4.0	0.41	839.0	591.0	431.0	278.0	80.0	0.0	15.6	191.0	29.9
HA16081	738.4	766.0	239.3	-0.7	4.1	0.32	762.0	573.0	450.0	332.0	178.0	60.0	42.1	101.8	78.4
HA16082	651.0	644.5	149.9	-0.1	3.3	0.23	641.0	519.0	456.0	396.0	316.0	252.0	31.6	292.0	65.2
HA16084	798.0	774.0	292.1	0.8	5.4	0.37	786.0	614.0	473.0	292.0	0.0	0.0	18.3	172.5	29.3
HA16085	989.1	1006.3	163.8	-0.5	3.7	0.17	1003.0	876.0	794.0	716.0	614.0	537.0	15.9	684.0	26.6
HA16086	585.2	607.5	190.5	-0.6	4.1	0.33	598.0	460.0	372.0	289.0	181.0	99.0	34.3	153.2	63.2
HA16089	856.1	850.0	238.9	1.0	5.5	0.28	828.0	683.0	581.0	465.0	274.0	97.0	12.5	428.5	24.4

Tabla C.113. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Michoacán.

Estación	Estadísticos de la lluvia anual registrada					Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años) primer decil	lluvia mínima registrada	Tr(años) para		
	Media X_c (mm)	Mediana (mm)	Desv Std S(mm)	Coeficientes g k Cv		2 años Hp(mm)	5 años Hp(mm)	10 años Hp(mm)	20 años Hp(mm)	50 años Hp(mm)				100 años Hp(mm)	
HA16090	631.1	644.2	141.8	-1.6	8.9	0.22	654.0	540.0	465.0	393.0	299.0	229.0	48.3	245.2	85.3
HA16091	649.3	678.5	255.4	-0.5	3.0	0.39	664.0	437.0	294.0	159.0	0.0	0.0	10.8	197.9	16.3
HA16092	1309.2	1309.0	296.8	-1.3	7.2	0.23	1336.0	1096.0	945.0	801.0	617.0	480.0	87.9	365.7	178.0
HA16094	827.4	815.8	191.3	1.6	8.2	0.23	792.0	685.0	603.0	500.0	301.0	116.0	9.1	508.7	19.0
HA16095	774.2	792.6	162.5	-0.4	4.1	0.21	778.0	632.0	579.0	503.0	379.0	283.0	57.4	276.8	104.9
HA16096	635.0	654.1	218.6	0.0	5.7	0.34	649.0	489.0	383.0	280.0	142.0	33.0	29.4	99.8	65.6
HA16097	1266.0	1305.0	256.4	-1.0	5.6	0.20	1295.0	1079.0	941.0	810.0	641.0	515.0	86.1	415.5	173.7
HA16100	805.5	794.8	235.6	0.1	7.0	0.29	795.0	671.0	582.0	482.0	319.0	166.0	89.4	44.6	165.3
HA16101	615.4	570.0	164.4	0.6	4.5	0.27	494.5	349.1	252.9	180.6	41.2	0.0	2.9	364.4	4.5
HA16102	685.7	699.4	276.2	-0.1	2.5	0.40	696.0	434.0	322.0	220.0	91.0	0.0	10.8	211.8	21.2
HA16104	818.4	792.0	214.8	0.7	3.7	0.26	802.0	644.0	543.0	445.0	315.0	213.0	9.6	449.5	19.4
HA16105	667.9	709.2	245.9	-0.9	4.4	0.37	715.0	511.0	352.0	181.0	0.0	0.0	17.8	110.3	26.4
HA16106	906.9	924.1	219.6	-0.3	3.9	0.24	899.0	699.0	571.0	449.0	292.0	175.0	19.9	352.5	35.2
HA16107	1074.3	1074.0	348.3	-1.2	6.4	0.32	1119.0	831.0	649.0	477.0	255.0	90.0	47.9	120.5	87.9
HA16108	789.4	820.2	196.6	-2.1	10.4	0.25	797.0	637.0	538.0	444.0	324.0	234.0	119.1	124.3	233.5
HA16109	1114.6	1123.6	266.8	-0.2	3.5	0.24	1119.0	929.0	791.0	640.0	418.0	237.0	35.3	375.7	59.1
HA16110	583.9	581.8	157.6	-0.7	4.5	0.27	589.0	463.0	391.0	324.0	238.0	175.0	32.8	217.5	62.8
HA16111	730.4	788.0	289.2	-0.7	3.3	0.40	776.0	506.0	351.0	208.0	27.0	0.0	18.7	117.0	31.6
HA16112	943.1	897.3	442.4	0.0	3.7	0.47	904.0	599.0	422.0	256.0	44.0	0.0	18.6	111.6	37.3
HA16113	889.7	882.8	163.0	0.5	3.8	0.18	872.0	763.0	695.0	628.0	536.0	462.0	13.6	599.8	26.6
HA16115	802.3	749.0	227.4	0.5	3.8	0.28	740.0	626.0	553.0	470.0	326.0	195.0	14.4	425.0	27.5
HA16119	592.8	583.0	177.3	0.3	3.4	0.30	589.0	449.0	353.0	256.0	121.0	12.0	10.4	278.3	17.1
HA16120	775.6	804.6	251.9	-0.9	4.4	0.32	817.0	620.0	484.0	346.0	153.0	0.0	34.3	118.5	58.5
HA16121	875.7	928.0	172.4	-0.8	3.4	0.20	978.0	819.0	596.0	583.0	569.0	559.0	6.3	562.0	80.5
HA16122	953.5	944.0	391.0	0.8	3.9	0.41	904.0	667.0	517.0	376.0	193.0	56.0	21.2	193.0	50.0
HA16123	1118.9	1137.5	281.7	0.0	3.2	0.25	1147.0	888.0	716.0	549.0	329.0	161.0	13.3	507.0	23.8
HA16124	747.5	745.5	254.5	-0.6	5.0	0.34	772.0	585.0	450.0	306.0	90.0	0.0	29.1	95.7	49.0
HA16125	806.3	803.5	211.6	0.1	2.9	0.26	815.0	614.0	541.0	467.0	355.0	255.0	25.0	345.6	53.4
HA16127	1134.4	1107.7	212.2	0.8	4.2	0.19	1122.0	956.0	847.0	739.0	594.0	478.0	6.7	820.6	11.8
HA16128	607.8	592.0	194.9	0.4	4.6	0.32	580.0	465.0	363.0	226.0	11.0	0.0	22.1	103.6	34.0
HA16129	819.7	860.1	277.7	-0.7	4.2	0.34	861.0	642.0	490.0	332.0	105.0	0.0	26.4	133.6	44.8
HA16132	820.2	889.8	223.3	-0.9	5.4	0.27	854.0	711.0	510.0	288.0	6.0	0.0	14.3	305.7	18.9
HA16134	826.9	841.2	222.7	-0.4	4.4	0.27	828.0	678.0	563.0	433.0	243.0	93.0	42.2	160.4	73.4

Tabla C.113. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Michoacán.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X_c (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp mín(mm)	Hp mín
HA16135	1033.2	1049.1	541.5	2.1	10.6	0.52	980.0	698.0	502.0	294.0	0.0	0.0	9.0	225.5	24.6
HA16137	858.9	861.9	209.3	-1.0	7.0	0.24	877.0	722.0	616.0	509.0	361.0	240.0	106.9	109.4	202.8
HA16139	1246.0	1193.3	279.5	0.8	4.4	0.22	1214.0	1023.0	893.0	758.0	557.0	379.0	19.0	631.5	36.2
HA16140	1195.7	1208.9	250.2	0.1	3.1	0.21	1189.0	985.0	857.0	736.0	579.0	460.0	14.8	686.7	26.6
HA16142	718.5	789.8	274.4	-0.4	2.8	0.38	736.0	456.0	277.0	108.0	0.0	0.0	7.9	251.7	11.1
HA16143	731.1	693.3	157.8	0.6	2.9	0.22	701.0	599.0	538.0	481.0	405.0	347.0	6.9	511.4	13.8
HA16145	787.7	772.8	395.3	4.4	32.4	0.50	783.0	525.0	351.0	178.0	0.0	0.0	4.7	222.6	16.7
HA16147	738.9	741.8	177.2	0.3	3.8	0.24	722.0	592.0	500.0	399.0	249.0	126.0	13.4	373.9	23.5
HA16148	940.8	916.0	182.7	1.0	4.8	0.19	905.0	800.0	727.0	647.0	514.0	390.0	9.6	647.3	19.9
HA16149	789.7	790.0	125.9	0.0	4.3	0.16	800.0	701.0	636.0	574.0	493.0	432.0	16.5	539.8	29.5
HA16151	842.3	815.3	205.8	0.2	3.1	0.24	825.0	672.0	576.0	484.0	362.0	269.0	14.4	445.0	26.8
HA16152	828.0	808.8	183.9	0.5	4.5	0.22	805.0	678.0	592.0	498.0	355.0	232.0	30.9	323.7	60.0
HA16153	1092.4	1079.8	256.5	-0.3	5.0	0.23	1081.0	921.0	819.0	718.0	578.0	465.0	33.4	545.0	61.4
HA16154	1550.4	1264.4	865.2	2.1	7.6	0.56	1320.0	989.0	765.0	530.0	149.0	0.0	7.5	428.3	26.3
HA16158	849.6	848.7	194.5	0.1	3.2	0.23	845.0	679.0	594.0	505.0	373.0	263.0	12.8	483.4	23.4
HA16161	989.7	956.1	367.4	0.0	4.0	0.37	913.0	700.0	575.0	457.0	306.0	194.0	27.0	279.3	59.1
HA16163	847.9	922.9	273.2	-0.1	4.1	0.32	862.0	637.0	482.0	325.0	107.0	0.0	12.7	320.0	20.4
HA16164	1743.3	1759.1	399.4	-0.7	3.9	0.23	1774.0	1422.0	1229.0	1052.0	826.0	658.0	65.4	578.0	139.6
HA16165	1430.6	1414.7	359.4	-0.4	5.0	0.25	1463.0	1184.0	996.0	808.0	552.0	349.0	41.5	423.3	77.9
HA16169	574.5	504.4	268.5	1.1	5.9	0.47	474.0	361.0	263.0	92.0	0.0	0.0	9.6	162.0	15.6
HA16175	742.2	697.3	279.1	2.9	15.3	0.38	690.0	572.0	487.0	388.0	183.0	0.0	4.2	454.7	12.8
HA16178	1219.0	1196.0	450.1	0.9	6.7	0.37	1192.0	919.0	446.0	0.0	0.0	0.0	7.4	448.8	10.0
HA16186	793.3	756.0	236.1	-0.5	5.3	0.30	764.0	630.0	554.0	482.0	391.0	323.0	93.9	232.5	250.1
HA16189	1085.4	987.0	379.7	1.8	9.6	0.35	988.0	866.0	628.0	266.0	0.0	0.0	7.7	605.3	10.5
HA16190	700.6	739.8	219.1	-0.3	3.2	0.31	755.0	496.0	425.0	363.0	285.0	228.0	12.1	344.6	24.7
HA16191	757.8	750.0	169.6	-0.1	3.2	0.22	729.0	622.0	559.0	501.0	427.0	371.0	24.8	427.4	49.7
HA16192	690.4	644.2	313.6	0.0	5.9	0.45	615.0	517.0	417.0	225.0	0.0	0.0	20.8	99.6	31.0
HA16193	661.8	578.3	300.0	0.4	2.7	0.45	531.0	395.0	347.0	304.0	247.0	203.0	4.2	331.0	12.9
HA16194	1132.6	1130.4	146.3	0.1	3.6	0.13	1129.0	1004.0	934.0	868.0	780.0	713.0	9.4	887.0	16.3
HA16196	713.3	737.7	228.7	-1.7	8.8	0.32	756.0	591.0	489.0	393.0	270.0	178.0	88.4	111.2	164.9
HA16212	1508.5	1502.2	401.4	-0.6	3.9	0.27	1509.0	1183.0	988.0	804.0	568.0	392.0	18.0	700.9	29.7

Tabla C.113. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Michoacán.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA16002	771.1	904.2	1037.3	1170.4	1303.6	1436.7	1569.8	1702.9	1836.0	1969.1	2.5	5.0	0.0	17.5	25.0	22.5	12.5	7.5	5.0	2.5
HA16003	598.7	706.3	813.8	921.4	1028.9	1136.4	1244.0	1351.5	1459.1	1566.6	5.0	25	15.0	25.0	15.0	15.0	12.5	5.0	2.5	2.5
HA16004	351.5	428.4	505.4	582.3	659.3	736.2	813.2	890.1	967.1	1044.0	4.5	9.0	0.0	13.6	31.8	9.0	22.7	0.0	4.5	4.5
HA16006	327.0	419.1	511.1	603.2	695.3	787.4	879.5	971.5	1063.6	1155.7	8.3	8.3	4.1	16.6	29.1	12.5	16.6	0.0	0.0	4.1
HA16008	367.2	528.5	689.8	851.1	1012.5	1173.8	1335.1	1496.4	1657.7	1819.0	4.0	4.0	4.0	12.0	24.0	24.0	16.0	8.0	0.0	4.0
HA16009	329.3	481.2	633.1	785.0	936.8	1088.7	1240.6	1392.5	1544.4	1696.3	3.7	0.0	9.4	16.9	22.6	13.2	16.9	11.3	0.0	5.6
HA16010	469.3	576.2	683.0	789.9	896.8	1003.7	1110.6	1217.4	1324.3	1431.2	6.2	0.0	6.2	6.2	0.0	37.5	12.5	6.2	18.7	6.2
HA16011	257.6	310.9	364.1	417.3	470.6	523.8	577.0	630.2	683.5	736.7	8.3	0.0	8.3	0.0	0.0	16.6	16.6	8.3	16.6	25.0
HA16012	385.9	471.1	556.2	641.4	726.6	811.8	897.0	982.1	1067.3	1152.5	6.2	0.0	6.2	0.0	25.0	12.5	12.5	18.7	6.2	12.5
HA16014	554.8	625.9	697.0	768.1	839.2	910.2	981.3	1052.4	1123.5	1194.6	5.5	0.0	11.1	0.0	11.1	22.2	22.2	8.3	8.3	11.1
HA16017	314.0	417.5	520.9	624.4	727.8	831.2	934.7	1038.1	1141.6	1245.0	7.8	2.5	10.5	26.3	7.8	13.1	10.5	5.2	5.2	10.5
HA16020	304.0	402.7	501.4	600.1	698.9	797.6	896.3	995.0	1093.7	1192.4	4.3	4.3	4.3	4.3	17.3	21.7	21.7	4.3	13.0	4.3
HA16021	909.8	975.6	1041.4	1107.2	1173.1	1238.9	1304.7	1370.5	1436.3	1502.1	7.6	7.6	23.0	23.0	0.0	15.3	0.0	7.6	0.0	15.3
HA16022	254.7	395.0	535.3	675.6	815.8	956.1	1096.4	1236.7	1377.0	1517.3	6.3	4.2	2.1	12.7	31.9	27.6	8.5	2.1	0.0	4.2
HA16024	288.5	391.6	494.8	598.0	701.2	804.3	907.5	1010.7	1113.8	1217.0	3.7	5.6	5.6	9.4	18.8	18.8	22.6	7.5	3.7	3.7
HA16025	327.1	458.4	589.8	721.1	852.4	983.7	1115.0	1246.4	1377.7	1509.0	3.2	8.0	12.9	14.5	25.8	14.5	16.1	3.2	0.0	1.6
HA16026	380.9	448.4	515.8	583.2	650.6	718.1	785.5	852.9	920.4	987.8	8.3	0.0	25.0	12.5	8.3	4.1	12.5	12.5	8.3	8.3
HA16027	227.4	384.1	540.8	697.5	854.2	1010.8	1167.5	1324.2	1480.9	1637.6	7.8	4.6	21.8	29.6	15.6	17.1	1.5	0.0	0.0	1.5
HA16028	262.3	328.6	395.0	461.3	527.6	593.9	660.2	726.6	792.9	859.2	22.2	0.0	0.0	5.5	16.6	5.5	27.7	11.1	5.5	5.5
HA16029	327.0	397.9	468.7	539.6	610.5	681.4	752.3	823.1	894.0	964.9	5.0	0.0	0.0	0.0	15.0	20.0	20.0	20.0	15.0	5.0
HA16030	381.7	495.5	609.3	723.1	836.9	950.8	1064.6	1178.4	1292.2	1406.0	2.6	2.6	7.8	21.0	34.2	13.1	7.8	5.2	0.0	5.2
HA16031	572.4	628.8	685.2	741.6	798.0	854.5	910.9	967.3	1023.7	1080.1	5.1	15.8	5.1	10.2	12.8	10.2	17.9	10.2	5.1	7.6
HA16032	721.6	849.3	977.0	1104.7	1232.4	1360.0	1487.7	1615.4	1743.1	1870.8	4.5	9.0	22.7	9.0	18.1	13.6	0.0	13.6	4.5	4.5
HA16033	273.8	362.9	452.1	541.2	630.3	719.4	808.5	897.7	986.8	1075.9	9.5	0.0	0.0	9.5	4.7	23.8	23.8	4.7	14.2	9.5
HA16034	282.4	387.9	493.3	598.8	704.2	809.6	915.1	1020.5	1126.0	1231.4	5.2	10.5	0.0	5.2	5.2	36.8	10.5	10.5	10.5	5.2
HA16035	464.7	535.8	606.9	678.1	749.2	820.4	891.5	962.7	1033.9	1105.0	16.6	22.2	11.1	11.1	13.8	8.3	2.7	5.5	0.0	8.3
HA16037	657.2	730.7	804.1	877.6	951.1	1024.6	1098.1	1171.5	1245.0	1318.5	21.4	0.0	7.1	21.4	14.2	14.2	7.1	7.1	0.0	7.1
HA16038	707.7	775.4	843.1	910.8	978.5	1046.2	1113.9	1181.6	1249.3	1317.0	11.7	17.6	5.8	5.8	17.6	11.7	23.5	0.0	0.0	5.8
HA16041	491.3	573.8	656.4	738.9	821.5	904.1	986.6	1069.2	1151.7	1234.3	4.5	4.5	0.0	9.0	13.6	31.8	13.6	18.1	0.0	4.5
HA16043	253.6	348.0	442.3	536.7	631.1	725.5	819.9	914.2	1008.6	1103.0	2.1	2.1	0.0	13.0	4.3	30.4	26.0	13.0	4.3	4.3
HA16044	254.3	377.6	500.8	624.1	747.3	870.5	993.8	1117.0	1240.3	1363.5	5.2	0.0	2.6	10.5	13.1	28.9	15.7	7.8	7.8	7.8
HA16045	475.0	660.5	846.1	1031.7	1217.3	1402.8	1588.4	1774.0	1959.5	2145.1	13.6	0.0	4.5	9.0	9.0	9.0	22.7	13.6	9.0	9.0
HA16046	288.8	341.6	394.3	447.1	499.9	552.7	605.5	658.2	711.0	763.8	15.3	15.3	11.5	3.8	23.0	11.5	3.8	3.8	3.8	7.6

Tabla C.114. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Michoacán.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA16047	440.0	506.2	572.5	638.8	705.1	771.3	837.6	903.9	970.1	1036.4	57	17.1	14.2	17.1	2.8	5.7	11.4	14.2	8.5	2.8
HA16048	382.2	464.0	545.8	627.6	709.4	791.2	873.0	954.8	1036.6	1118.4	81	8.1	10.8	2.7	16.2	16.2	16.2	5.4	10.8	5.4
HA16049	729.7	822.5	915.3	1008.1	1101.0	1193.8	1286.6	1379.4	1472.2	1565.0	22	8.8	8.8	28.8	17.7	11.1	4.4	8.8	6.6	2.2
HA16050	572.3	646.0	719.8	793.5	867.3	941.0	1014.8	1088.5	1162.3	1236.0	97	2.4	12.1	19.5	12.1	17.0	14.6	4.8	2.4	4.8
HA16051	278.6	400.7	522.9	645.1	767.2	889.4	1011.6	1133.8	1255.9	1378.1	29	4.4	1.4	16.4	31.3	16.4	17.9	4.4	2.9	1.4
HA16052	215.7	337.5	459.3	581.1	703.0	824.8	946.6	1068.4	1190.2	1312.0	65	0.0	8.6	4.3	34.7	32.6	8.6	0.0	2.1	2.1
HA16053	612.4	690.6	768.7	846.9	925.1	1003.3	1081.5	1159.6	1237.8	1316.0	133	0.0	0.0	6.6	20.0	6.6	26.6	6.6	13.3	6.6
HA16054	332.6	399.7	466.8	533.9	601.1	668.2	735.3	802.4	869.5	936.6	74	0.0	7.4	0.0	0.0	11.1	14.8	33.3	11.1	14.8
HA16055	491.8	581.8	671.7	761.7	851.7	941.7	1031.7	1121.6	1211.6	1301.6	75	11.3	16.9	20.7	7.5	18.8	5.6	3.7	5.6	1.8
HA16058	414.9	524.3	633.7	743.1	852.5	961.9	1071.3	1180.7	1290.1	1399.5	40	8.1	16.3	16.3	24.4	14.2	4.0	4.0	4.0	4.0
HA16059	460.2	548.9	637.6	726.3	815.0	903.6	992.3	1081.0	1169.7	1258.4	38	0.0	0.0	16.6	13.3	16.6	16.6	13.3	6.6	13.3
HA16060	496.3	566.0	635.6	705.3	775.0	844.7	914.4	984.0	1053.7	1123.4	57	2.8	8.5	17.1	11.4	22.8	17.1	2.8	2.8	8.5
HA16061	228.0	338.5	449.0	559.5	670.1	780.6	891.1	1001.6	1112.1	1222.6	75	0.0	2.5	7.5	10.0	17.5	32.5	17.5	2.5	2.5
HA16062	470.7	580.4	690.1	799.7	909.3	1018.9	1128.6	1238.2	1347.9	1457.5	30	9.0	9.0	21.2	24.2	6.0	15.1	6.0	0.0	6.0
HA16063	409.6	718.7	1027.9	1337.0	1646.1	1955.2	2264.3	2573.5	2882.6	3191.7	26	28.9	55.2	5.2	5.2	0.0	0.0	0.0	0.0	2.6
HA16064	378.9	439.7	500.6	561.4	622.3	683.1	744.0	804.8	865.7	926.5	38	3.8	7.6	7.6	11.5	26.9	11.5	11.5	3.8	11.5
HA16065	367.5	625.9	884.4	1142.8	1401.2	1659.6	1918.0	2176.5	2434.9	2693.3	112	14.5	43.5	20.9	4.8	0.0	1.6	0.0	1.6	1.6
HA16066	727.4	794.2	861.1	927.9	994.8	1061.6	1128.5	1195.3	1262.2	1329.0	375	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	12.5
HA16067	532.5	610.8	689.2	767.6	846.0	924.3	1002.7	1081.1	1159.4	1237.8	76	7.6	15.3	28.2	10.2	10.2	12.8	2.5	2.5	2.5
HA16068	400.4	563.4	726.4	889.4	1052.5	1215.5	1378.5	1541.5	1704.5	1867.5	130	10.5	18.4	26.3	13.1	13.1	2.6	0.0	0.0	2.6
HA16070	518.2	644.6	771.1	897.5	1024.0	1150.5	1276.9	1403.4	1529.8	1656.3	50	7.5	7.5	22.5	17.5	12.5	5.0	12.5	5.0	5.0
HA16071	978.3	1100.6	1222.9	1345.2	1467.5	1589.8	1712.1	1834.4	1956.7	2079.0	190	9.5	4.7	19.0	14.2	4.7	9.5	9.5	0.0	9.5
HA16072	634.9	709.1	783.2	857.4	931.6	1005.8	1080.0	1154.1	1228.3	1302.5	115	11.5	11.5	19.2	7.6	15.3	11.5	7.6	0.0	3.8
HA16073	792.7	853.6	914.4	975.3	1036.1	1096.9	1157.8	1218.6	1279.5	1340.3	55	16.6	16.6	11.1	8.3	2.7	13.8	2.7	11.1	11.1
HA16074	521.3	574.7	628.0	681.4	734.8	788.2	841.6	894.9	948.3	1001.7	222	18.5	3.7	14.8	11.1	11.1	3.7	3.7	0.0	11.1
HA16075	417.5	490.7	563.8	637.0	710.2	783.4	856.6	929.7	1002.9	1076.1	37	3.7	0.0	7.4	3.7	33.3	11.1	14.8	14.8	7.4
HA16078	333.0	475.0	616.9	758.9	900.9	1042.9	1184.9	1326.8	1468.8	1610.8	117	0.0	8.8	14.7	23.5	20.5	8.8	2.9	0.0	8.8
HA16081	206.7	311.5	416.4	521.3	626.2	731.0	835.9	940.8	1045.6	1150.5	50	2.5	2.5	0.0	20.0	15.0	15.0	27.5	2.5	10.0
HA16082	356.5	421.0	485.5	550.0	614.5	679.0	743.5	808.0	872.5	937.0	30	3.0	3.0	18.1	18.1	9.0	21.2	6.0	12.1	6.0
HA16084	317.0	461.5	606.0	750.5	895.1	1039.6	1184.1	1328.6	1473.1	1617.6	46	6.9	9.3	25.5	27.9	11.6	6.9	0.0	2.3	4.6
HA16085	741.5	798.9	856.4	913.8	971.3	1028.8	1086.2	1143.7	1201.1	1258.6	176	0.0	0.0	5.8	5.8	29.4	17.6	5.8	5.8	11.7
HA16086	225.1	296.9	368.8	440.6	512.5	584.4	656.2	728.1	799.9	871.8	50	10.0	0.0	0.0	15.0	5.0	30.0	15.0	5.0	15.0
HA16089	546.2	663.8	781.4	899.1	1016.8	1134.4	1252.1	1369.7	1487.4	1605.0	64	9.6	25.8	22.5	16.1	6.4	9.6	0.0	0.0	3.2

Tabla C.114. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Michoacán.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA16090	302.7	360.2	417.7	475.2	532.7	590.1	647.6	705.1	762.6	820.1	7.6	0.0	0.0	0.0	0.0	15.3	30.7	23.0	7.6	15.3
HA16091	278.8	359.6	440.5	521.4	602.3	683.1	764.0	844.9	925.7	1006.6	19.0	0.0	0.0	9.5	0.0	23.8	14.2	4.7	14.2	14.2
HA16092	505.1	644.6	784.0	923.4	1062.9	1202.3	1341.7	1481.1	1620.6	1760.0	4.1	0.0	0.0	4.1	4.1	12.5	33.3	8.3	20.8	12.5
HA16094	614.7	720.7	826.6	932.6	1038.6	1144.6	1250.6	1356.5	1462.5	1568.5	7.5	20.0	27.5	20.0	15.0	5.0	2.5	0.0	0.0	2.5
HA16095	360.1	443.4	526.7	610.0	693.3	776.5	859.8	943.1	1026.4	1109.7	2.3	0.0	0.0	11.6	20.9	13.9	18.6	20.9	6.9	4.6
HA16096	222.3	344.8	467.4	589.9	712.4	834.9	957.4	1080.0	1202.5	1325.0	7.1	0.0	7.1	19.0	33.3	21.4	7.1	2.3	0.0	2.3
HA16097	542.6	669.7	796.8	923.9	1051.0	1178.1	1305.2	1432.3	1559.4	1686.5	2.8	0.0	0.0	5.7	5.7	17.1	20.0	17.1	22.8	8.5
HA16100	191.9	339.2	486.5	633.8	781.1	928.4	1075.7	1223.0	1370.3	1517.6	2.5	0.0	0.0	12.5	32.5	37.5	5.0	5.0	2.5	2.5
HA16101	428.9	493.5	558.0	622.5	687.0	751.6	816.1	880.6	945.2	1009.7	17.6	0.0	29.4	5.8	11.7	23.5	5.8	0.0	0.0	5.8
HA16102	310.8	409.8	508.8	607.8	706.9	805.9	904.9	1003.9	1102.9	1201.9	10.7	7.1	10.7	10.7	10.7	14.2	7.1	17.8	3.5	7.1
HA16104	549.6	649.7	749.9	850.0	950.1	1050.2	1150.3	1250.4	1350.6	1450.7	8.5	14.8	14.8	23.4	17.0	6.3	6.3	6.3	0.0	2.1
HA16105	210.4	310.5	410.6	510.7	610.8	710.9	811.0	911.1	1011.2	1111.3	8.3	4.1	0.0	4.1	16.6	16.6	25.0	12.5	8.3	4.1
HA16106	450.6	548.7	646.8	744.9	843.0	941.1	1039.2	1137.3	1235.4	1333.5	5.4	0.0	0.0	13.5	21.6	13.5	21.6	10.8	2.7	10.8
HA16107	265.8	411.2	556.5	701.8	847.1	992.5	1137.8	1283.1	1428.5	1573.8	5.8	0.0	0.0	5.8	11.7	5.8	29.4	5.8	23.5	11.7
HA16108	211.2	298.2	385.1	472.0	559.0	645.9	732.8	819.7	906.7	993.6	5.0	0.0	0.0	0.0	0.0	5.0	25.0	15.0	25.0	25.0
HA16109	505.5	635.4	765.2	895.0	1024.9	1154.7	1284.5	1414.3	1544.2	1674.0	1.4	2.9	5.9	8.9	8.9	26.8	23.8	7.4	4.4	8.9
HA16110	277.4	337.4	397.3	457.3	517.2	577.1	637.1	697.0	757.0	816.9	6.2	0.0	12.5	0.0	6.2	25.0	12.5	6.2	25.0	6.2
HA16111	221.6	326.2	430.9	535.5	640.1	744.7	849.3	954.0	1058.6	1163.2	12.5	0.0	3.1	0.0	21.8	9.3	12.5	15.6	15.6	9.3
HA16112	273.8	435.9	598.1	760.2	922.4	1084.6	1246.7	1408.9	1571.0	1733.2	6.6	6.6	6.6	13.3	20.0	13.3	6.6	6.6	13.3	6.6
HA16113	665.5	731.2	797.0	862.7	928.4	994.1	1059.8	1125.6	1191.3	1257.0	4.5	13.6	9.0	18.1	22.7	4.5	18.1	0.0	0.0	9.0
HA16115	511.8	598.5	685.3	772.0	858.8	945.6	1032.3	1119.1	1205.8	1292.6	5.8	11.7	11.7	29.4	0.0	17.6	11.7	0.0	5.8	5.8
HA16119	347.7	417.0	486.4	555.7	625.1	694.5	763.8	833.2	902.5	971.9	8.0	16.0	0.0	12.0	28.0	8.0	16.0	0.0	8.0	4.0
HA16120	234.1	349.8	465.4	581.1	696.7	812.3	928.0	1043.6	1159.3	1274.9	6.0	3.0	3.0	3.0	18.1	18.1	21.2	18.1	6.0	3.0
HA16121	613.6	665.2	716.8	768.4	820.1	871.7	923.3	974.9	1026.5	1078.1	20.0	0.0	0.0	0.0	13.3	6.6	6.6	20.0	13.3	20.0
HA16122	364.2	535.4	706.6	877.8	1049.0	1220.2	1391.4	1562.6	1733.8	1905.0	4.6	23.0	20.9	16.2	23.2	13.9	4.6	2.3	4.6	6.9
HA16123	645.8	784.6	923.4	1062.2	1201.1	1339.9	1478.7	1617.5	1756.3	1895.1	4.4	5.9	13.4	16.4	22.3	14.9	13.4	5.9	1.4	1.4
HA16124	221.9	348.1	474.2	600.4	726.6	852.8	979.0	1105.1	1231.3	1357.5	6.8	2.2	0.0	6.8	25.0	29.5	15.9	9.0	0.0	4.5
HA16125	441.2	536.9	632.5	728.2	823.8	919.4	1015.1	1110.7	1206.4	1302.0	2.4	9.7	9.7	19.5	12.1	9.7	21.9	7.3	4.8	2.4
HA16127	909.5	998.4	1087.3	1176.2	1265.2	1354.1	1443.0	1531.9	1620.8	1709.7	10.0	20.0	13.3	20.0	13.3	13.3	0.0	3.3	3.3	3.3
HA16128	203.8	304.0	404.2	504.4	604.6	704.7	804.9	905.1	1005.3	1105.5	2.4	2.4	4.8	17.0	31.7	19.5	9.7	0.0	9.7	2.4
HA16129	266.6	399.5	532.5	665.5	798.5	931.4	1064.4	1197.4	1330.3	1463.3	7.5	2.5	2.5	10.0	15.0	25.0	25.0	10.0	0.0	2.5
HA16132	393.7	481.7	569.7	657.7	745.7	833.7	921.7	1009.7	1097.7	1185.7	11.7	0.0	0.0	0.0	11.7	23.5	29.4	11.7	0.0	11.7
HA16134	279.5	398.5	517.6	636.6	755.7	874.7	993.8	1112.8	1231.9	1350.9	2.2	0.0	6.6	8.8	15.5	28.8	15.5	15.5	2.2	4.4

Tabla C.114. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Michoacán.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA16135	531.0	835.4	1139.9	1444.3	1748.8	2053.2	2357.7	2662.1	2966.6	3271.0	13.6	25.0	29.5	22.7	2.2	2.2	0.0	2.2	0.0	2.2
HA16137	228.2	347.0	465.9	584.7	703.5	822.3	941.1	1060.0	1178.8	1297.6	2.6	0.0	0.0	5.2	7.8	18.4	31.5	23.6	5.2	5.2
HA16139	768.1	904.6	1041.2	1177.7	1314.3	1450.8	1587.4	1723.9	1860.5	1997.0	2.3	2.3	16.6	26.1	16.6	16.6	4.7	7.1	2.3	4.7
HA16140	787.6	888.5	989.5	1090.4	1191.3	1292.2	1393.1	1494.1	1595.0	1695.9	6.6	0.0	6.6	26.6	10.0	16.6	13.3	6.6	6.6	6.6
HA16142	335.6	419.5	503.4	587.3	671.2	755.2	839.1	923.0	1006.9	1090.8	16.6	5.5	5.5	0.0	11.1	5.5	22.2	11.1	0.0	22.2
HA16143	570.2	629.0	687.7	746.5	805.3	864.1	922.9	981.6	1040.4	1099.2	10.2	23.0	12.8	12.8	12.8	7.6	7.6	5.1	2.5	5.1
HA16145	541.2	859.9	1178.5	1497.2	1815.8	2134.4	2453.1	2771.7	3090.4	3409.0	19.1	11.4	25.0	2.9	0.0	0.0	0.0	0.0	0.0	1.4
HA16147	458.0	542.2	626.3	710.5	794.6	878.7	962.9	1047.0	1131.2	1215.3	5.8	8.8	11.7	20.5	17.6	11.7	17.6	2.9	0.0	2.9
HA16148	731.9	816.5	901.1	985.7	1070.4	1155.0	1239.6	1324.2	1408.8	1493.4	12.0	0.0	24.0	26.0	8.0	10.0	4.0	2.0	0.0	4.0
HA16149	591.6	643.4	695.2	747.0	798.9	850.7	902.5	954.3	1006.1	1057.9	5.8	1.7	5.8	5.8	23.5	17.6	11.7	11.7	0.0	5.8
HA16151	527.1	609.1	691.2	773.2	855.3	937.4	1019.4	1101.5	1183.5	1265.6	5.8	1.7	0.0	17.6	23.5	8.8	11.7	8.8	5.8	5.8
HA16152	433.0	542.4	651.7	761.0	870.4	979.7	1089.0	1198.3	1307.7	1417.0	1.4	2.9	7.4	26.8	26.8	14.9	13.4	2.9	1.4	1.4
HA16153	640.4	735.8	831.2	926.6	1022.1	1117.5	1212.9	1308.3	1403.7	1499.1	7.6	0.0	0.0	7.6	23.0	23.0	15.3	0.0	7.6	15.3
HA16154	859.2	1290.1	1721.0	2151.9	2582.8	3013.8	3444.7	3875.6	4306.5	4737.4	9.2	12.5	25.9	7.4	3.7	1.8	3.7	1.8	1.8	1.8
HA16158	563.2	643.0	722.8	802.6	882.4	962.3	1042.1	1121.9	1201.7	1281.5	8.8	5.8	11.7	14.7	11.7	20.5	11.7	5.8	2.9	5.8
HA16161	407.4	535.4	663.5	791.5	919.6	1047.7	1175.7	1303.8	1431.8	1559.9	7.6	0.0	7.6	7.6	23.0	23.0	0.0	7.6	7.6	15.3
HA16163	428.7	537.5	646.2	755.0	863.7	972.4	1081.2	1189.9	1298.7	1407.4	5.8	11.7	5.8	5.8	17.6	23.5	17.6	5.8	0.0	5.8
HA16164	761.0	944.0	1127.1	1310.1	1493.1	1676.1	1859.1	2042.2	2225.2	2408.2	2.7	0.0	2.7	5.5	19.4	8.3	19.4	13.8	19.4	8.3
HA16165	605.1	786.9	968.6	1150.4	1332.2	1514.0	1695.8	1877.5	2059.3	2241.1	3.4	0.0	3.4	6.8	24.1	20.6	20.6	13.7	3.4	3.4
HA16169	271.0	380.0	488.9	597.9	706.9	815.9	924.9	1033.8	1142.8	1251.8	6.6	20.0	20.0	6.6	20.0	6.6	13.3	0.0	0.0	6.6
HA16175	591.7	728.7	865.7	1002.7	1139.7	1276.6	1413.6	1550.6	1687.6	1824.6	27.2	27.2	27.2	13.6	0.0	0.0	0.0	0.0	0.0	4.5
HA16178	660.3	871.9	1083.4	1294.9	1506.5	1718.0	1929.5	2141.0	2352.6	2564.1	13.6	4.5	9.0	40.9	9.0	13.6	4.5	0.0	0.0	4.5
HA16186	328.8	425.0	521.3	617.5	713.8	810.0	906.3	1002.5	1098.8	1195.0	6.6	0.0	0.0	6.6	20.0	26.6	6.6	6.6	20.0	6.6
HA16189	751.2	897.0	1042.9	1188.8	1334.7	1480.5	1626.4	1772.3	1918.1	2064.0	9.0	9.0	45.4	18.1	9.0	0.0	0.0	0.0	0.0	9.0
HA16190	407.2	469.7	532.3	594.8	657.3	719.9	782.4	845.0	907.5	970.1	16.6	0.0	8.3	16.6	0.0	8.3	8.3	16.6	0.0	25.0
HA16191	483.6	539.7	595.8	652.0	708.1	764.3	820.4	876.6	932.7	988.9	6.6	0.0	6.6	20.0	6.6	20.0	6.6	0.0	6.6	26.6
HA16192	214.4	329.2	444.0	558.8	673.6	788.3	903.1	1017.9	1132.7	1247.5	10.0	0.0	0.0	30.0	10.0	10.0	20.0	10.0	0.0	10.0
HA16193	408.7	486.3	564.0	641.6	719.3	797.0	874.6	952.3	1029.9	1107.6	25.0	16.6	8.3	0.0	8.3	8.3	0.0	8.3	0.0	25.0
HA16194	939.5	992.0	1044.5	1097.0	1149.5	1202.0	1254.5	1307.0	1359.5	1412.0	7.1	14.2	7.1	14.2	7.1	14.2	14.2	14.2	0.0	7.1
HA16196	193.9	276.7	359.4	442.1	524.9	607.6	690.3	773.0	855.8	938.5	8.3	0.0	0.0	0.0	16.6	16.6	16.6	8.3	33.3	33.3
HA16212	831.5	962.0	1092.6	1223.1	1353.7	1484.3	1614.8	1745.4	1875.9	2006.5	7.1	7.1	0.0	0.0	21.4	14.2	7.1	14.2	0.0	28.5

Tabla C.114. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Michoacán.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	lluvia disponible			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c	Hp disp S(mm)	Hp disp S(mm)		
HA16002	3.0	0.6	1.5	0.6	298.9	206.5	199.2	15.0	1119.0	5.3	SEVERA	
HA16003	4.3	2.2	2.2	1.0	360.2	218.9	163.7	16.0	799.9	4.4	MUY SEVERA	
HA16004	3.7	1.9	2.6	1.7	297.5	336.3	114.4	17.0	535.8	6.7	MUY SEVERA	
HA16006	4.7	2.3	2.4	1.9	340.5	469.3	141.8	22.0	493.5	4.7	MUY VASTA	
HA16008	4.7	1.9	2.3	1.7	572.4	712.7	248.8	24.0	768.1	6.4	MUY VASTA	
HA16009	4.8	2.4	2.6	1.5	594.5	424.7	228.6	24.0	716.4	3.9	MUY VASTA	
HA16010	3.6	1.2	2.2	0.8	362.6	388.7	164.8	16.0	826.1	4.6	MUY SEVERA	
HA16011	2.5	0.5	1.1	0.3	141.2	223.4	128.3	22.0	435.0	5.6	VASTA	
HA16012	3.5	1.1	1.5	0.8	274.9	323.7	183.2	22.0	619.2	5.4	VASTA	
HA16014	3.5	2.2	1.5	1.1	212.1	153.7	141.3	15.0	754.9	6.1	SEVERA	
HA16017	4.5	2.2	2.2	1.2	463.4	421.7	210.6	29.0	504.8	4.5	MUY VASTA	
HA16020	5.2	1.7	2.5	0.8	381.4	344.7	152.5	20.0	600.8	5.6	MUY SEVERA	
HA16021	6.0	1.0	2.6	1.2	348.2	172.5	133.9	11.0	1002.9	4.0	MUY SEVERA	
HA16022	5.7	3.0	2.5	2.4	472.9	655.0	189.1	24.0	575.5	5.5	MUY VASTA	
HA16024	4.1	1.0	2.2	1.6	411.1	549.3	186.8	26.0	529.5	5.6	MUY VASTA	
HA16025	4.3	2.0	2.2	1.5	420.2	433.7	191.0	24.0	580.5	2.1	MUY VASTA	
HA16026	5.0	1.2	2.6	1.3	388.7	239.1	149.5	23.0	500.1	3.9	MUY VASTA	
HA16027	5.8	2.9	3.7	2.5	614.1	618.2	165.9	26.0	466.1	4.4	EXTREMADAMENTE VASTA	
HA16028	5.6	0.4	2.0	1.2	359.7	524.5	179.8	33.0	352.2	6.1	MUY CRITICA	
HA16029	3.6	1.6	1.4	0.5	180.1	146.6	128.6	18.0	575.9	6.2	SEVERA	
HA16030	4.5	1.9	2.6	1.5	351.8	233.9	135.3	16.0	669.1	4.3	MUY SEVERA	
HA16031	4.0	2.1	1.9	0.9	241.0	168.3	126.8	15.0	670.1	3.8	SEVERA	
HA16032	3.1	1.1	2.1	1.0	477.8	452.8	227.5	19.0	946.1	3.9	MUY SEVERA	
HA16033	6.5	0.5	3.0	1.6	579.4	636.8	193.1	27.0	514.6	6.3	EXTREMADAMENTE VASTA	
HA16034	4.0	2.0	3.0	1.6	589.3	430.1	196.4	26.0	547.5	7.9	EXTREMADAMENTE VASTA	
HA16035	4.8	2.0	3.1	1.8	410.3	297.7	132.3	20.0	509.8	3.4	EXTREMADAMENTE SEVERA	
HA16037	4.0	1.4	1.7	0.4	275.2	122.6	161.8	17.0	737.6	5.4	SEVERA	
HA16038	3.5	0.8	1.5	0.8	249.9	154.3	166.6	17.0	765.6	3.5	SEVERA	
HA16041	3.0	1.0	1.2	0.6	191.5	148.1	159.5	18.0	711.1	5.7	SEVERA	
HA16043	3.3	1.3	1.4	0.7	210.7	155.7	150.5	21.0	555.6	6.7	VASTA	
HA16044	3.4	1.4	1.8	1.8	385.3	504.5	214.0	25.0	611.2	5.9	VASTA	
HA16045	5.0	1.0	3.3	3.2	1563.1	1938.2	473.6	36.0	829.3	2.3	CATASTROFICA	
HA16046	4.1	1.6	1.7	1.1	230.5	124.2	135.5	30.0	309.4	3.9	VASTA	

Tabla C.115. Características de la sequía promedio de cada estación climatológica del estado de Michoacán.

Estación	Características promedio de la sequía meteorológica										Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS	Ruía disponible	Hp disp S(mm)		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	Hp disp S(mm)	Hp disp S(mm)		
HA16047	4.2	1.7	2.1	1.2	309.0	147.9	147.1	21.0	528.9	4.3	MUY VASTA	
HA16048	5.6	2.9	2.4	2.1	466.6	553.0	194.4	27.0	518.5	5.9	MUY VASTA	
HA16049	3.6	1.9	1.9	1.4	295.2	343.8	155.3	14.0	903.4	5.0	SEVERA	
HA16050	3.5	1.9	1.6	0.8	239.2	107.5	149.5	18.0	679.8	5.0	SEVERA	
HA16051	3.9	2.0	2.4	2.0	340.8	397.5	142.0	18.0	610.2	4.7	MUY SEVERA	
HA16052	4.8	2.2	2.0	1.2	345.4	643.5	172.6	25.0	491.7	6.2	MUY VASTA	
HA16053	4.6	2.4	1.7	1.2	302.8	160.1	178.1	18.0	787.8	6.0	SEVERA	
HA16054	5.2	3.1	1.3	0.4	282.7	218.6	217.4	30.0	490.3	9.9	VASTA	
HA16055	4.2	2.3	2.3	1.3	348.5	306.9	151.5	19.0	615.4	4.2	MUY SEVERA	
HA16058	3.8	1.0	2.3	1.4	366.6	409.4	159.3	20.0	614.8	4.4	MUY SEVERA	
HA16059	3.2	1.0	1.8	1.3	292.1	228.0	162.2	17.0	742.7	6.3	SEVERA	
HA16060	3.3	2.0	1.4	0.8	211.0	151.3	150.7	19.0	628.1	6.0	SEVERA	
HA16061	4.5	2.3	2.0	1.3	414.7	722.7	207.3	28.0	531.8	7.1	MUY VASTA	
HA16062	3.5	0.8	2.2	0.9	342.7	202.9	155.7	18.0	708.0	3.9	MUY SEVERA	
HA16063	4.5	3.1	3.2	2.5	583.2	451.8	182.2	21.0	663.6	3.6	EXTREMADAMENTE VASTA	
HA16064	3.1	0.8	1.5	0.8	173.9	97.2	115.9	17.0	541.9	2.1	SEVERA	
HA16065	4.6	1.4	2.8	2.6	671.9	1086.9	239.9	30.0	559.0	4.4	MUY VASTA	
HA16066	2.3	0.4	1.2	0.4	138.7	58.7	115.5	13.0	713.7	3.2	SEVERA	
HA16067	3.9	1.4	2.2	1.0	271.3	67.8	123.3	15.0	652.1	4.1	MUY SEVERA	
HA16068	5.0	1.5	3.0	2.0	601.3	553.3	200.4	25.0	588.5	4.2	EXTREMADAMENTE VASTA	
HA16070	4.3	3.5	2.3	3.0	489.0	915.2	212.6	21.0	770.5	4.1	MUY VASTA	
HA16071	4.0	1.2	1.8	1.2	499.9	467.7	277.7	20.0	1018.4	4.8	SEVERA	
HA16072	4.0	1.5	2.0	1.0	293.9	206.5	146.9	17.0	715.3	4.1	MUY SEVERA	
HA16073	3.4	1.1	1.8	1.1	277.9	208.6	154.3	15.0	866.2	4.2	SEVERA	
HA16074	4.2	2.1	2.1	1.7	277.4	208.3	132.0	19.0	538.0	3.5	MUY SEVERA	
HA16075	4.1	2.0	2.0	1.0	229.5	264.7	114.7	14.0	677.8	4.9	MUY SEVERA	
HA16078	3.8	2.2	2.1	1.8	529.2	787.9	252.0	29.0	592.7	5.0	MUY VASTA	
HA16081	4.0	2.2	2.1	2.1	405.6	754.8	193.1	26.0	545.2	5.8	MUY VASTA	
HA16082	5.0	2.1	2.4	1.5	287.8	301.9	119.9	18.0	531.0	4.4	MUY SEVERA	
HA16084	5.0	2.6	2.6	1.5	475.6	432.5	182.9	22.0	615.1	5.0	MUY VASTA	
HA16085	4.0	1.0	2.0	0.8	344.2	34.1	172.1	17.0	815.9	8.2	MUY SEVERA	
HA16086	8.5	1.5	2.3	1.8	463.8	566.0	201.6	34.0	383.5	9.1	MUY CRITICA	
HA16089	4.1	1.7	2.0	0.8	345.4	71.0	172.6	20.0	683.5	5.0	MUY SEVERA	

Tabla C.115. Características de la sequía promedio de cada estación climatológica del estado de Michoacán.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	llovía disponible			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	Hp disp S(mm)	Hp disp S(mm)		
HA16090	3.3	1.2	1.5	0.5	154.0	150.2	102.6	16.0	528.4	5.5	SEVERA	
HA16091	4.5	1.5	3.0	2.8	690.6	853.5	230.1	35.0	419.2	5.4	CATASTROFICA	
HA16092	3.3	1.3	2.1	1.7	410.9	455.4	195.6	14.0	1113.5	4.6	MUY SEVERA	
HA16094	3.2	1.2	1.8	0.7	220.7	136.1	122.6	14.0	704.7	4.2	SEVERA	
HA16095	4.3	2.2	2.0	1.1	281.4	238.0	140.6	18.0	638.5	4.9	MUY SEVERA	
HA16096	3.7	2.4	1.9	1.5	323.8	540.8	170.4	26.0	461.5	5.9	VASTA	
HA16097	4.0	0.8	1.6	0.8	382.4	328.5	239.0	18.0	1027.0	6.4	SEVERA	
HA16100	4.4	2.1	2.7	2.1	388.3	448.6	143.8	17.0	661.6	5.4	MUY SEVERA	
HA16101	3.1	1.6	1.5	1.1	187.7	164.7	125.1	20.0	490.3	2.0	SEVERA	
HA16102	3.3	1.0	2.1	1.7	542.3	586.9	258.2	37.0	427.4	5.2	MUY CRITICA	
HA16104	3.7	1.8	1.9	0.9	302.6	180.8	159.2	19.0	659.2	4.5	SEVERA	
HA16105	5.0	0.8	2.5	1.5	539.5	758.6	215.8	32.0	452.1	6.5	MUY CRITICA	
HA16106	3.3	1.4	1.6	0.6	287.9	231.9	179.9	19.0	728.9	4.3	SEVERA	
HA16107	6.5	1.5	3.0	2.1	692.8	276.1	230.9	21.0	843.3	4.8	EXTREMADAMENTE VASTA	
HA16108	3.3	1.8	1.3	0.4	227.4	199.1	174.9	22.0	614.5	5.8	VASTA	
HA16109	5.0	1.6	2.4	2.0	515.6	697.7	214.8	19.0	895.7	5.8	MUY SEVERA	
HA16110	3.2	0.4	1.5	0.8	190.8	204.1	127.1	21.0	456.7	5.3	VASTA	
HA16111	4.5	1.9	2.3	1.3	612.6	749.1	266.3	36.0	464.1	6.0	MUY CRITICA	
HA16112	5.5	1.5	2.6	2.3	865.4	1106.7	332.8	35.0	610.3	4.8	MUY CRITICA	
HA16113	4.5	0.8	2.2	0.7	274.6	136.7	124.8	14.0	764.9	4.9	MUY SEVERA	
HA16115	4.3	0.4	2.5	1.1	395.2	246.9	158.0	19.0	644.2	4.2	MUY SEVERA	
HA16119	5.7	1.9	2.6	0.7	338.8	259.7	130.3	21.0	462.5	4.5	MUY VASTA	
HA16120	4.8	1.0	1.9	1.3	445.7	623.7	234.5	30.0	541.1	7.5	VASTA	
HA16121	4.3	1.8	1.5	0.5	261.3	188.5	174.1	19.0	701.5	5.9	SEVERA	
HA16122	4.6	3.0	3.0	3.0	680.5	735.0	226.8	23.0	726.6	3.9	EXTREMADAMENTE VASTA	
HA16123	4.4	2.0	1.9	1.1	468.6	468.1	246.6	22.0	872.3	5.3	VASTA	
HA16124	3.2	0.9	1.8	1.4	318.3	690.3	176.8	23.0	570.7	5.4	VASTA	
HA16125	3.5	1.8	1.9	1.9	326.8	427.8	172.0	21.0	634.3	4.2	VASTA	
HA16127	4.3	2.2	2.4	1.4	352.8	231.0	147.0	12.0	987.3	4.1	MUY SEVERA	
HA16128	3.8	1.4	2.1	1.4	259.7	188.6	123.6	20.0	484.2	4.3	MUY SEVERA	
HA16129	3.6	1.6	1.5	1.4	378.5	726.9	252.3	30.0	567.4	7.0	VASTA	
HA16132	3.2	0.4	1.5	0.8	266.4	356.6	177.6	21.0	642.5	6.5	VASTA	
HA16134	5.3	2.1	2.4	1.8	414.5	502.0	172.7	20.0	654.2	5.8	MUY SEVERA	

Tabla C.115. Características de la sequía promedio de cada estación climatológica del estado de Michoacán.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	lluvia disponible			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	H _p disp S(mm)	H _p disp S(mm)		
HA16135	3.6	1.4	1.9	0.9	682.6	522.2	359.2	34.0	674.0	5.4	CRITICA	
HA16137	3.0	1.0	1.3	0.7	211.5	199.2	162.6	18.0	694.3	5.9	SEVERA	
HA16139	3.8	1.0	2.2	1.1	402.7	330.0	183.0	14.0	1063.0	4.1	MUY SEVERA	
HA16140	3.5	2.3	1.8	1.3	379.8	342.9	211.0	17.0	984.7	5.0	SEVERA	
HA16142	5.0	1.0	2.3	1.8	674.3	686.7	293.1	40.0	425.3	5.6	MUY CRITICA	
HA16143	4.5	3.1	2.6	2.1	313.7	380.2	120.6	16.0	616.4	4.4	MUY SEVERA	
HA16145	4.1	1.7	2.2	1.7	438.3	364.9	199.2	25.0	584.4	3.9	MUY VASTA	
HA16147	3.6	1.3	1.7	0.7	232.2	167.0	136.5	18.0	602.3	4.6	SEVERA	
HA16148	3.9	1.4	2.3	1.2	258.9	188.2	112.5	11.0	824.2	3.8	MUY SEVERA	
HA16149	2.7	0.7	1.3	0.7	134.9	70.2	103.7	13.0	684.0	5.9	SEVERA	
HA16151	3.5	1.7	2.3	1.8	338.6	368.0	147.2	17.0	694.0	4.3	MUY SEVERA	
HA16152	4.2	1.7	2.2	1.5	294.1	267.1	133.6	16.0	694.4	4.4	MUY SEVERA	
HA16153	8.0	0.5	4.0	1.0	609.4	464.6	152.3	13.0	946.0	4.4	MUY SEVERA	
HA16154	4.8	2.5	3.1	2.3	1312.8	1071.6	423.4	27.0	1127.0	3.3	EXTREMADAMENTE VASTA	
HA16158	3.6	0.8	1.6	0.7	266.8	149.3	166.7	19.0	682.9	4.9	SEVERA	
HA16161	2.6	0.9	1.7	0.8	451.0	155.3	265.2	26.0	724.5	4.4	VASTA	
HA16163	3.5	1.1	1.5	0.8	357.4	338.7	238.2	28.0	609.6	5.6	VASTA	
HA16164	3.2	1.1	1.6	0.6	515.9	407.4	322.4	18.0	1420.8	5.0	SEVERA	
HA16165	3.2	1.1	1.8	1.6	487.6	581.4	270.8	18.0	1159.7	5.5	SEVERA	
HA16169	4.3	1.2	2.0	0.7	381.1	88.9	190.5	33.0	384.0	4.0	MUY CRITICA	
HA16175	4.5	3.2	2.3	1.9	360.3	255.7	156.6	21.0	585.5	4.5	MUY VASTA	
HA16178	5.2	0.4	2.6	1.3	662.9	608.8	254.9	20.0	964.0	4.6	MUY SEVERA	
HA16186	3.2	1.0	1.5	0.8	262.5	219.3	175.0	22.0	614.2	5.6	VASTA	
HA16189	4.5	0.5	2.3	1.2	464.0	457.8	201.7	18.0	884.6	4.5	MUY SEVERA	
HA16190	3.6	0.9	1.2	0.4	274.2	83.2	228.5	32.0	472.0	6.2	CRITICA	
HA16191	2.5	0.8	1.3	0.4	168.5	77.0	129.6	17.0	824.1	4.7	SEVERA	
HA16192	2.3	0.4	1.5	0.8	289.5	372.7	193.0	27.0	497.3	6.1	VASTA	
HA16193	4.5	1.5	2.3	1.2	516.3	279.6	224.4	33.0	437.3	3.0	MUY CRITICA	
HA16194	3.0	1.2	1.3	0.4	166.0	70.6	127.6	11.0	1004.9	5.0	SEVERA	
HA16196	2.7	0.8	1.1	0.3	190.9	209.7	173.5	24.0	539.7	7.1	VASTA	
HA16212	4.3	0.4	1.7	0.8	553.9	668.6	325.8	21.0	1182.6	5.0	VASTA	

Tabla C.115. Características de la sequía promedio de cada estación climatológica del estado de Michoacán.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I'	Intensidad	Duración / máx	% de $I_{máx}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I'(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA16002	680.2	1.0	680.2	51.0	680.2	1.0	51.0	53.8	38.4	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16003	743.4	4.0	185.8	19.0	472.4	1.0	49.0	30.0	40.0	10.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16004	954.6	6.0	159.1	24.0	159.1	6.0	24.0	20.0	60.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA16006	1272.8	6.0	212.1	33.0	212.1	6.0	33.0	60.0	0.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA16008	1930.7	5.0	386.1	37.0	386.1	5.0	37.0	60.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA16009	1390.2	2.0	695.1	73.0	695.1	2.0	73.0	27.2	36.3	0.0	27.2	0.0	9.0	0.0	0.0	0.0	0.0
HA16010	1024.7	3.0	341.5	34.0	341.5	3.0	34.0	25.0	25.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16011	585.8	2.0	292.9	51.0	292.9	2.0	51.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16012	914.7	3.0	304.9	37.0	304.9	3.0	37.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16014	465.7	2.0	232.8	25.0	412.5	1.0	46.0	72.7	18.1	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
HA16017	1617.9	5.0	323.5	45.0	504.3	1.0	70.0	33.3	33.3	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0
HA16020	1046.6	4.0	261.6	34.0	261.6	4.0	34.0	0.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16021	517.7	3.0	172.5	15.0	172.5	3.0	15.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA16022	2211.8	6.0	368.6	48.0	458.0	1.0	59.0	55.5	22.2	0.0	0.0	0.0	11.1	0.0	11.1	0.0	0.0
HA16024	2057.8	7.0	293.9	41.0	293.9	7.0	41.0	36.3	36.3	18.1	0.0	0.0	0.0	9.0	0.0	0.0	0.0
HA16025	1724.6	6.0	287.4	37.0	369.0	2.0	47.0	50.0	14.2	14.2	14.2	0.0	7.1	0.0	0.0	0.0	0.0
HA16026	680.9	4.0	170.2	26.0	170.2	4.0	26.0	40.0	0.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16027	1827.4	5.0	365.4	57.0	365.4	5.0	57.0	20.0	10.0	30.0	0.0	30.0	0.0	0.0	0.0	0.0	10.0
HA16028	1266.0	4.0	316.5	59.0	316.5	4.0	59.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16029	486.6	2.0	243.3	34.0	243.3	2.0	34.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16030	771.4	4.0	192.8	23.0	536.5	1.0	66.0	33.3	11.1	33.3	11.1	0.0	11.1	0.0	0.0	0.0	0.0
HA16031	524.1	4.0	131.0	16.0	195.7	1.0	24.0	40.0	40.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16032	1351.6	4.0	337.9	28.0	337.9	4.0	28.0	33.3	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA16033	1470.5	5.0	294.1	41.0	294.1	5.0	41.0	33.3	0.0	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0
HA16034	1067.5	5.0	213.5	28.0	225.3	3.0	30.0	33.3	0.0	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0
HA16035	1056.3	6.0	176.0	27.0	179.1	1.0	27.0	14.2	42.8	14.2	0.0	0.0	28.5	0.0	0.0	0.0	0.0
HA16037	449.4	2.0	224.7	24.0	254.4	1.0	28.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16038	483.7	3.0	161.2	17.0	292.2	1.0	31.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16041	461.9	1.0	461.9	53.0	461.9	1.0	53.0	85.7	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16043	564.1	2.0	282.0	39.0	282.0	2.0	39.0	64.2	21.4	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16044	1810.7	7.0	258.6	31.0	324.2	1.0	39.0	70.0	10.0	10.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
HA16045	4296.4	8.0	537.0	41.0	537.0	8.0	41.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0
HA16046	512.3	4.0	128.0	28.0	208.9	1.0	46.0	71.4	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.116. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Michoacán.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / $máx$	% de $I / máx$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_0	$I(máx)(mm/año)$	$D(máx)(años)$	respecto a X_0	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA16047	607.2	5.0	121.4	17.0	275.4	1.0	40.0	44.4	22.2	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0
HA16048	1789.3	7.0	255.6	35.0	412.5	1.0	57.0	57.1	14.2	0.0	14.2	0.0	0.0	14.2	0.0	0.0	0.0
HA16049	1053.9	5.0	210.7	19.0	210.7	5.0	19.0	58.3	16.6	8.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA16050	476.6	2.0	238.3	28.0	330.8	1.0	39.0	50.0	41.6	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0
HA16051	1337.1	6.0	222.8	29.0	470.0	1.0	62.0	60.0	6.6	6.6	0.0	13.3	6.6	6.6	0.0	0.0	0.0
HA16052	2235.0	5.0	447.0	67.0	447.0	5.0	67.0	50.0	20.0	20.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
HA16053	431.7	1.0	431.7	44.0	431.7	1.0	44.0	75.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16054	683.0	2.0	341.5	48.0	442.2	1.0	62.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16055	1146.3	5.0	229.2	29.0	305.3	1.0	39.0	46.1	7.6	23.0	15.3	7.6	0.0	0.0	0.0	0.0	0.0
HA16058	1683.2	7.0	240.4	31.0	335.6	1.0	43.0	16.6	66.6	8.3	0.0	0.0	0.0	8.3	0.0	0.0	0.0
HA16059	623.2	5.0	124.6	13.0	533.4	1.0	58.0	62.5	12.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
HA16060	476.3	4.0	119.0	15.0	352.2	1.0	45.0	72.7	18.1	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16061	2315.1	5.0	463.0	62.0	463.0	5.0	62.0	50.0	25.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
HA16062	809.0	4.0	202.2	23.0	255.7	2.0	29.0	22.2	44.4	22.2	11.1	0.0	0.0	0.0	12.5	12.5	0.0
HA16063	1539.6	8.0	192.4	22.0	400.7	2.0	47.0	25.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16064	339.8	1.0	339.8	51.0	339.8	1.0	51.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16065	3860.5	10.0	386.0	48.0	386.0	10.0	48.0	41.6	33.3	0.0	0.0	8.3	8.3	0.0	0.0	0.0	8.3
HA16066	232.0	2.0	116.0	13.0	140.3	1.0	16.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16067	405.2	2.0	202.6	26.0	321.3	1.0	41.0	10.0	70.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
HA16068	1756.4	7.0	250.9	31.0	260.7	2.0	33.0	28.5	28.5	14.2	0.0	14.2	0.0	14.2	0.0	0.0	0.0
HA16070	3212.3	11.0	292.0	29.0	360.8	1.0	36.0	80.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16071	1319.9	4.0	329.9	23.0	442.7	1.0	32.0	66.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA16072	642.0	3.0	214.0	24.0	258.6	1.0	29.0	42.8	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA16073	777.8	5.0	155.5	15.0	244.8	2.0	23.0	40.0	50.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
HA16074	672.3	6.0	112.0	16.0	176.0	2.0	26.0	50.0	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA16075	801.1	4.0	200.2	25.0	200.2	4.0	25.0	42.8	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA16078	2584.0	7.0	369.1	43.0	369.1	7.0	43.0	50.0	37.5	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0
HA16081	2490.1	8.0	311.2	42.0	311.2	8.0	42.0	66.6	11.1	11.1	0.0	0.0	0.0	0.0	11.1	0.0	0.0
HA16082	1009.7	6.0	168.2	25.0	168.2	6.0	25.0	28.5	42.8	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA16084	1181.2	3.0	393.7	49.0	393.7	3.0	49.0	44.4	0.0	11.1	33.3	11.1	0.0	0.0	0.0	0.0	0.0
HA16085	388.3	3.0	129.4	13.0	305.0	1.0	30.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16086	1263.9	5.0	252.7	43.0	252.7	5.0	43.0	66.6	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0
HA16089	427.6	1.0	427.6	49.0	427.6	1.0	49.0	25.0	62.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.116. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Michoacán.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I'	Intensidad	Duración / máx	% de $I_{m\acute{a}x}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I'(mm/a\acute{o})$	respecto a X_n	$I_{m\acute{a}x}(mm/a\acute{o})$	$D_{m\acute{a}x}(a\acute{o}s)$	respecto a X_n	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA16090	403.4	2.0	201.7	31.0	201.7	2.0	31.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16091	1894.1	7.0	270.5	41.0	270.5	7.0	41.0	66.6	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0
HA16092	1140.5	6.0	190.1	14.0	943.5	1.0	72.0	50.0	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA16094	520.1	3.0	173.3	20.0	228.1	1.0	27.0	41.6	33.3	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16095	763.6	3.0	254.5	32.0	254.5	3.0	32.0	50.0	20.0	10.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16096	1924.6	6.0	320.7	50.0	320.7	6.0	50.0	60.0	20.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
HA16097	1054.9	2.0	527.4	41.0	527.4	2.0	41.0	55.5	22.2	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16100	1511.3	8.0	188.9	23.0	207.0	2.0	25.0	25.0	50.0	0.0	12.5	0.0	0.0	0.0	12.5	0.0	0.0
HA16101	524.6	4.0	131.1	21.0	213.2	1.0	34.0	83.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA16102	1826.5	6.0	304.4	44.0	433.8	1.0	63.0	50.0	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA16104	634.3	4.0	158.5	19.0	312.3	1.0	38.0	30.7	53.8	0.0	15.3	0.0	0.0	0.0	0.0	0.0	0.0
HA16105	1848.4	5.0	369.6	55.0	369.6	5.0	55.0	25.0	50.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA16106	716.4	2.0	358.2	39.0	358.2	2.0	39.0	45.4	45.4	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16107	954.0	2.0	477.0	44.0	477.0	2.0	44.0	33.3	33.3	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0
HA16108	665.1	1.0	665.1	84.0	665.1	1.0	84.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16109	2722.4	6.0	453.7	40.0	453.7	6.0	40.0	46.1	30.7	0.0	0.0	7.6	7.6	7.6	0.0	0.0	0.0
HA16110	581.0	3.0	193.6	33.0	195.8	1.0	33.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16111	2234.3	5.0	446.8	61.0	446.8	5.0	61.0	33.3	33.3	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA16112	2429.9	6.0	404.9	42.0	404.9	6.0	42.0	66.6	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0
HA16113	480.6	3.0	160.2	18.0	289.9	1.0	32.0	20.0	40.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16115	628.2	3.0	209.4	26.0	209.4	3.0	26.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16119	704.5	3.0	234.8	39.0	234.8	3.0	39.0	0.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16120	1935.7	5.0	387.1	49.0	387.1	5.0	49.0	42.8	42.8	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA16121	547.5	2.0	273.7	31.0	313.6	1.0	35.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16122	2395.5	10.0	239.5	25.0	483.4	1.0	50.0	66.6	0.0	0.0	0.0	0.0	11.1	11.1	0.0	0.0	11.1
HA16123	1678.6	4.0	419.6	37.0	419.6	4.0	37.0	56.2	6.2	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA16124	2588.3	6.0	431.3	57.0	431.3	6.0	57.0	58.3	25.0	8.3	0.0	0.0	8.3	0.0	0.0	0.0	0.0
HA16125	1570.7	6.0	261.7	32.0	296.8	1.0	36.0	81.8	0.0	0.0	0.0	0.0	18.1	0.0	0.0	0.0	0.0
HA16127	742.6	4.0	185.6	16.0	313.7	1.0	27.0	42.8	14.2	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0
HA16128	683.2	6.0	113.8	18.0	192.3	1.0	31.0	36.3	36.3	18.1	0.0	0.0	9.0	0.0	0.0	0.0	0.0
HA16129	2660.8	6.0	443.4	54.0	443.4	6.0	54.0	81.8	9.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0
HA16132	976.1	3.0	325.3	39.0	325.3	3.0	39.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16134	1753.9	7.0	250.5	30.0	250.5	7.0	30.0	33.3	44.4	0.0	11.1	0.0	0.0	11.1	0.0	0.0	0.0

Tabla C.116. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Michoacán.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = Smáx/Dmáx$	% de I'	Intensidad	Duración / máx	% de $I máx$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S máx(mm)$	$D máx(años)$	$I'(mm/año)$	respecto a $X_{0.1} máx(mm/año)$	$D / máx(años)$	respecto a $X_{0.1} máx(años)$	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA16135	1647.4	4.0	411.8	39.0	562.6	2.0	54.0	45.4	27.2	18.1	9.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16137	749.5	1.0	749.5	87.0	749.5	1.0	87.0	76.9	7.6	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16139	1151.0	5.0	230.2	18.0	293.4	3.0	23.0	27.2	36.3	27.2	0.0	9.0	0.0	0.0	0.0	0.0	0.0
HA16140	990.0	5.0	198.0	16.0	430.7	1.0	36.0	62.5	12.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
HA16142	1636.1	5.0	327.2	45.0	327.2	5.0	45.0	66.6	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0
HA16143	1110.3	7.0	158.6	21.0	158.8	5.0	21.0	50.0	12.5	12.5	0.0	12.5	0.0	12.5	0.0	0.0	0.0
HA16145	1203.2	8.0	150.4	19.0	383.0	3.0	48.0	47.0	23.5	11.7	11.7	0.0	0.0	0.0	5.8	0.0	0.0
HA16147	540.2	3.0	180.0	24.0	227.2	1.0	30.0	50.0	30.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16148	623.8	5.0	124.7	13.0	189.5	3.0	20.0	30.7	30.7	23.0	7.6	7.6	0.0	0.0	0.0	0.0	0.0
HA16149	249.9	1.0	249.9	31.0	249.9	1.0	31.0	83.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16151	1243.6	7.0	177.6	21.0	313.2	1.0	37.0	37.5	37.5	12.5	0.0	0.0	0.0	12.5	0.0	0.0	0.0
HA16152	1164.6	7.0	166.3	20.0	244.7	2.0	29.0	37.5	31.2	18.7	6.2	0.0	0.0	6.2	0.0	0.0	0.0
HA16153	1074.1	5.0	214.8	19.0	214.8	5.0	19.0	0.0	0.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0
HA16154	4035.2	8.0	504.4	32.0	711.2	1.0	45.0	41.6	8.3	8.3	8.3	16.6	8.3	0.0	8.3	0.0	0.0
HA16158	533.2	3.0	177.7	20.0	366.2	1.0	43.0	50.0	30.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16161	710.4	1.0	710.4	71.0	710.4	1.0	71.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16163	1002.7	3.0	334.2	39.0	334.2	3.0	39.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16164	1529.0	2.0	764.5	43.0	764.5	2.0	43.0	45.4	45.4	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16165	1546.5	6.0	257.7	18.0	705.0	2.0	49.0	62.5	25.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
HA16169	461.1	3.0	153.7	26.0	412.5	1.0	71.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16175	676.3	3.0	225.4	30.0	225.4	3.0	30.0	60.0	0.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA16178	1473.6	3.0	491.2	40.0	491.2	3.0	40.0	40.0	0.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16186	686.7	3.0	228.9	28.0	228.9	3.0	28.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16189	1102.9	4.0	275.7	25.0	275.7	4.0	25.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA16190	355.9	1.0	355.9	50.0	355.9	1.0	50.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16191	330.3	1.0	330.3	43.0	330.3	1.0	43.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16192	930.0	3.0	310.0	44.0	310.0	3.0	44.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16193	843.3	4.0	210.8	31.0	272.7	2.0	41.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA16194	245.5	1.0	245.5	21.0	245.5	1.0	21.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16196	602.0	1.0	602.0	84.0	602.0	1.0	84.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA16212	1704.5	3.0	568.1	37.0	568.1	3.0	37.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.116. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Michoacán.

Municipio	Estadísticos de la lluvia promedio municipal				Lámina de lluvia máxima anual de diferentes periodos de retorno (Tr)						Tr(años)		Lluvia mínima		
	Media	Mediana	Desv Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	Tr(años)	
	$X_c(mm)$	(mm)	S(mm)	g	k	Cv	$H_p(mm)$	$H_p(mm)$	$H_p(mm)$	$H_p(mm)$	$H_p(mm)$	$H_p(mm)$	decil	$H_p \text{ mín}(mm)$	$H_p \text{ mín}$
Acuitzio	1021.7	1008.7	221.2	0.7	3.8	0.22	980.0	841.0	750.0	654.0	506.0	376.0	15.6	581.6	32.0
Aguililla	963.6	937.8	227.9	0.3	3.7	0.24	914.0	785.0	678.0	522.0	302.0	137.0	14.4	491.2	22.7
Alvaro Obregón	650.2	636.0	181.1	0.0	4.0	0.28	639.0	566.0	474.0	344.0	173.0	46.0	19.3	274.5	29.0
Angamacutiro	737.9	746.0	237.2	0.6	7.0	0.32	758.0	600.0	490.0	375.0	199.0	28.0	27.8	172.5	56.4
Angangueo	875.7	928.0	172.4	-0.8	3.4	0.20	978.0	819.0	596.0	583.0	569.0	559.0	6.3	562.0	80.5
Apatzingán	729.3	706.3	129.5	0.4	4.5	0.18	701.0	625.0	562.0	474.0	349.0	254.0	12.9	473.6	20.1
Aporo	783.5	795.3	144.3	-0.1	2.3	0.18	821.0	643.0	596.0	555.0	504.0	466.0	10.1	549.8	22.1
Aquila	1016.9	1035.5	328.4	-0.1	5.1	0.32	1031.0	825.0	655.0	443.0	103.0	0.0	24.9	205.9	38.3
Ario	991.0	976.3	258.5	-0.8	5.4	0.26	1008.0	811.0	688.0	570.0	119.0	305.0	36.8	362.4	70.4
Arteaga	912.1	865.2	301.1	0.7	3.6	0.33	853.0	672.0	554.0	431.0	244.0	78.0	13.6	368.4	27.7
Briseñas	796.8	756.3	215.0	0.4	4.3	0.27	749.0	634.0	549.0	442.0	257.0	103.0	27.7	267.9	47.5
Buenavista	615.4	570.0	164.4	0.6	4.5	0.27	494.5	349.1	252.9	160.6	41.2	0.0	2.9	364.4	4.5
Carácuaro	1038.7	1019.1	189.9	0.5	3.9	0.18	1026.0	905.0	827.0	753.0	656.0	581.0	24.9	636.9	59.6
Coahuayana	1136.9	1060.0	198.0	0.7	3.9	0.17	1068.0	988.0	942.0	896.0	829.0	769.0	16.3	844.0	41.3
Coalcomán de Vázquez Pallares	1502.6	1243.2	863.2	2.2	8.2	0.57	1276.0	953.0	728.0	481.0	36.0	0.0	6.7	428.3	22.8
Coeneo	815.7	808.0	173.3	-0.1	4.9	0.21	798.0	691.0	606.0	503.0	344.0	217.0	41.3	286.5	68.5
Contepec	778.7	795.7	206.2	0.0	4.5	0.26	800.0	624.0	509.0	398.0	255.0	147.0	19.8	286.9	40.7
Copándaro	615.6	586.0	226.6	1.3	8.8	0.37	576.0	442.0	320.0	133.0	0.0	0.0	14.6	70.7	24.1
Colijá	744.5	772.8	194.1	-0.7	4.4	0.26	762.0	620.0	524.0	428.0	296.0	191.0	66.4	159.2	123.0
Cuitzeo	615.2	591.5	244.6	0.9	7.2	0.40	573.0	432.0	204.0	0.0	0.0	0.0	9.4	70.7	14.3
Charapan	892.7	869.5	230.7	1.0	4.4	0.26	870.0	722.0	628.0	537.0	419.0	330.0	10.8	509.5	24.8
Charo	635.0	654.1	218.6	0.0	5.7	0.34	649.0	489.0	383.0	280.0	142.0	33.0	29.4	99.8	65.6
Chavinda	755.5	772.3	181.0	-0.1	3.0	0.24	753.0	611.0	526.0	446.0	344.0	268.0	27.9	329.8	56.9
Cherán	1173.6	1145.3	323.2	0.4	3.3	0.28	1110.0	899.0	779.0	660.0	494.0	357.0	14.0	593.9	29.1
Chilchota	1173.6	1145.3	323.2	0.4	3.3	0.28	1110.0	899.0	779.0	660.0	494.0	357.0	14.0	593.9	29.1
Chinicuilla	1502.6	1243.2	863.2	2.2	8.2	0.57	1276.0	953.0	728.0	481.0	36.0	0.0	6.7	428.3	22.8
Chucándiro	656.7	647.8	178.4	0.3	3.7	0.27	646.0	524.0	439.0	350.0	218.0	109.0	16.2	302.1	28.2
Churintzio	718.0	725.1	221.4	-0.2	3.6	0.31	731.0	563.0	441.0	313.0	127.0	0.0	22.7	185.3	37.8
Churumuco	609.3	584.4	160.4	0.5	3.1	0.26	574.0	479.0	423.0	367.0	289.0	223.0	19.1	305.5	41.5
Ecuandureo	780.7	776.0	169.5	0.3	4.1	0.22	776.0	647.0	550.0	439.0	254.0	115.0	13.2	426.6	21.4
Epitacio Huerta	781.3	820.0	251.3	-0.8	5.1	0.32	816.0	618.0	479.0	332.0	112.0	0.0	29.4	115.2	49.4
Erongaricuaró	805.5	794.8	235.6	0.1	7.0	0.29	795.0	671.0	582.0	482.0	319.0	166.0	89.4	44.6	165.3
Gabriel Zamora	846.9	827.4	228.0	1.2	5.9	0.27	791.0	619.0	491.0	294.0	38.0	0.0	4.5	521.2	8.9
Hidalgo	969.2	936.7	203.4	0.7	3.8	0.21	956.0	833.0	754.0	673.0	558.0	459.0	32.8	508.5	71.4
Huacana, La	720.0	703.1	194.6	0.5	2.9	0.27	684.0	553.0	472.0	389.0	267.0	163.0	10.2	387.8	20.3
Huandacaro	615.6	586.0	226.6	1.3	8.8	0.37	576.0	442.0	320.0	133.0	0.0	0.0	14.6	70.7	24.1
Huaniqueo	815.7	808.0	173.3	-0.1	4.9	0.21	798.0	691.0	606.0	503.0	344.0	217.0	41.3	286.5	68.5
Huetamo	803.1	822.1	191.0	-0.7	4.9	0.24	819.0	667.0	568.0	473.0	350.0	258.0	97.0	156.4	214.9
Huiramba	979.1	971.8	234.2	0.6	3.9	0.24	972.0	785.0	663.0	545.0	387.0	265.0	12.5	508.8	24.7

Tabla C.117. Características estadísticas de la lluvia anual de cada municipio del estado de Michoacán.

Municipio	Estadísticos de la lluvia promedio municipal						Lluvia de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años) primer decil	Lluvia mínima registrada Hp min(mm)	Tr(años) para Hp min
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años			
	X _c (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)			
Indaparapeo	635.0	654.1	218.6	0.0	5.7	0.34	649.0	489.0	383.0	280.0	142.0	33.0	29.4	99.8	65.6
Irimbo	814.5	784.8	209.1	0.3	3.0	0.26	785.0	634.0	543.0	452.0	325.0	220.0	12.5	420.7	25.3
Ixtlán	758.7	784.0	167.9	-1.1	7.8	0.22	780.0	657.0	566.0	464.0	296.0	141.0	51.8	194.9	79.4
Jacona	797.2	818.5	172.3	0.1	2.5	0.22	796.0	629.0	562.0	498.0	407.0	331.0	14.1	465.1	28.2
Jiménez	809.8	809.7	192.2	0.2	3.9	0.24	803.0	663.0	558.0	441.0	262.0	114.0	21.5	335.5	34.8
Jiquilpan	784.7	767.3	198.4	0.3	3.7	0.25	786.0	612.0	490.0	363.0	183.0	35.0	8.2	434.2	13.6
Juárez	847.9	922.9	273.2	-0.1	4.1	0.32	862.0	637.0	482.0	325.0	107.0	0.0	12.7	320.0	20.4
Jungapeo	746.8	758.0	198.7	0.1	3.7	0.27	755.0	601.0	500.0	403.0	274.0	175.0	19.6	305.5	39.9
Lagunillas	979.1	971.8	234.2	0.6	3.9	0.24	972.0	785.0	663.0	545.0	387.0	265.0	12.5	508.8	24.7
Madero	1112.1	1111.0	250.2	-0.2	3.9	0.22	1111.0	930.0	793.0	641.0	416.0	236.0	35.3	375.7	58.6
Maravatio	816.7	818.0	297.5	0.5	4.4	0.36	830.0	629.0	481.0	315.0	46.0	0.0	19.1	184.7	32.1
Marcos Castellanos	784.7	767.3	198.4	0.3	3.7	0.25	786.0	612.0	490.0	363.0	183.0	35.0	8.2	434.2	13.6
Lázaro Cárdenas	908.3	851.3	315.9	0.6	3.4	0.35	853.0	651.0	523.0	392.0	201.0	37.0	12.8	340.9	25.8
Morelia	750.2	738.2	180.3	0.3	2.7	0.24	733.0	589.0	505.0	424.0	312.0	223.0	10.1	428.7	19.2
Morelos	811.1	798.3	175.8	0.3	3.3	0.22	792.0	659.0	573.0	485.0	356.0	250.0	10.1	498.5	18.0
Múgica	645.5	643.4	117.1	0.0	2.5	0.18	642.0	536.0	482.0	432.0	369.0	321.0	11.2	429.4	20.9
Nahuatzen	805.5	794.8	235.6	0.1	7.0	0.29	795.0	671.0	582.0	482.0	319.0	166.0	89.4	44.6	165.3
Nocupétaro	1038.7	1019.1	189.9	0.5	3.9	0.18	1026.0	905.0	827.0	753.0	656.0	581.0	24.9	636.9	59.6
Nuevo Parangaricutiro	1496.6	1484.9	356.9	0.1	4.1	0.24	1485.0	1222.0	1053.0	892.0	683.0	527.0	37.8	578.0	79.8
Nuevo Urecho	988.3	957.6	246.2	0.5	3.5	0.25	961.0	786.0	674.0	560.0	396.0	259.0	13.1	521.2	25.0
Numarán	718.0	725.1	221.4	-0.2	3.6	0.31	731.0	563.0	441.0	313.0	127.0	0.0	22.7	185.3	37.8
Ocampo	866.7	860.2	205.9	0.0	3.5	0.24	852.0	706.0	609.0	508.0	362.0	243.0	28.7	352.3	53.1
Pajacuarán	716.1	736.6	136.8	-1.3	7.1	0.19	740.0	652.0	581.0	502.0	386.0	295.0	77.6	260.8	129.7
Panindícuaro	809.8	809.7	192.2	0.2	3.9	0.24	803.0	663.0	558.0	441.0	262.0	114.0	21.5	335.5	34.8
Parácuaro	989.1	1006.3	163.8	-0.5	3.7	0.17	1003.0	876.0	794.0	716.0	614.0	537.0	15.9	684.0	26.6
Paracho	1173.6	1145.3	323.2	0.4	3.3	0.29	1110.0	899.0	779.0	660.0	494.0	357.0	14.0	593.9	29.1
Pátzcuaro	1259.7	1203.3	267.1	0.7	4.2	0.21	1188.0	1057.0	956.0	817.0	570.0	371.0	24.3	631.5	40.2
Penjamillo	718.0	725.1	221.4	-0.2	3.6	0.31	731.0	563.0	441.0	313.0	127.0	0.0	22.7	185.3	37.8
Peribán	1017.1	1008.0	185.1	0.1	2.3	0.18	990.0	858.0	785.0	717.0	630.0	566.0	16.2	669.9	32.8
Piedad, La	716.4	725.1	219.9	-0.3	3.4	0.31	735.0	551.0	427.0	304.0	138.0	8.0	21.9	185.3	38.7
Purépero	829.3	760.5	214.4	2.2	12.0	0.26	744.0	688.0	639.0	533.0	300.0	123.0	2.6	660.5	7.7
Puruándiro	752.8	713.8	217.2	0.6	3.4	0.29	717.0	583.0	500.0	419.0	307.0	215.0	20.2	319.7	45.0
Queréndaro	635.0	654.1	218.6	0.0	5.7	0.34	649.0	489.0	383.0	280.0	142.0	33.0	29.4	99.8	65.6
Quiroga	783.2	784.9	187.2	0.4	4.1	0.24	800.0	676.0	589.0	497.0	358.0	233.0	22.2	391.1	40.8
Cojumatlán de Régules	784.7	767.3	198.4	0.3	3.7	0.25	786.0	612.0	490.0	363.0	183.0	35.0	8.2	434.2	13.6
Reyes, Los	1052.6	1028.0	195.5	0.6	3.5	0.19	1016.0	886.0	804.0	718.0	589.0	478.0	9.3	723.9	19.1
Sahuayo	784.7	767.3	198.4	0.3	3.7	0.25	786.0	612.0	490.0	363.0	183.0	35.0	8.2	434.2	13.6
San Lucas	772.0	753.7	209.8	-0.3	5.1	0.27	781.0	621.0	514.0	410.0	270.0	160.0	47.4	156.4	102.4

Tabla C.117. Características estadísticas de la lluvia anual de cada municipio del estado de Michoacán.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años) primer decil	lluvia mínima registrada Hp min(mm)	Tr(años) para Hp min
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años			
	X _a (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)			
Santa Ana Maya	615.2	591.5	244.6	0.9	7.2	0.40	573.0	432.0	204.0	0.0	0.0	0.0	9.4	70.7	14.3
Salvador Escalante	991.0	976.3	258.5	-0.8	5.4	0.26	1008.0	811.0	688.0	570.0	419.0	305.0	36.8	362.4	70.4
Senguio	783.5	795.3	144.3	-0.1	2.3	0.18	821.0	643.0	596.0	555.0	504.0	466.0	10.1	549.8	22.1
Susupuato	961.3	943.9	253.6	1.3	7.4	0.26	946.0	762.0	631.0	490.0	259.0	25.0	10.0	476.3	21.2
Tacámbaro	1183.6	1138.2	258.4	1.2	6.3	0.22	1130.0	993.0	887.0	746.0	481.0	251.0	18.2	631.5	30.8
Tancitaro	899.1	877.9	224.6	0.8	5.1	0.25	907.0	710.0	575.0	441.0	254.0	99.0	7.5	521.2	13.2
Tangamandepio	751.8	750.0	158.5	0.2	2.6	0.21	742.0	628.0	560.0	495.0	408.0	341.0	15.3	460.8	28.7
Tangancicuaro	844.5	865.8	170.9	0.1	2.4	0.20	852.0	661.0	620.0	576.0	493.0	409.0	7.9	566.0	22.8
Tanhuato	772.1	792.3	160.9	-0.4	4.6	0.21	779.0	662.0	578.0	489.0	360.0	254.0	47.6	286.8	81.0
Taretan	1037.8	1025.3	212.3	0.9	5.7	0.20	1067.0	940.0	852.0	759.0	615.0	476.0	18.3	667.8	36.6
Tarimbaro	623.0	609.5	171.1	0.3	4.3	0.27	600.0	489.0	413.0	330.0	204.0	97.0	18.5	261.8	33.4
Tepalcatepec	724.8	704.2	181.2	0.3	3.8	0.25	704.0	580.0	486.0	376.0	208.0	71.0	18.0	305.5	29.8
Tingambato	805.5	794.8	235.6	0.1	7.0	0.29	795.0	671.0	582.0	482.0	319.0	166.0	89.4	44.6	165.3
Tinguindín	859.8	843.0	178.3	0.5	3.3	0.21	833.0	702.0	613.0	520.0	387.0	276.0	8.1	565.8	14.3
Tiquicheo de Nicolás Romero	978.2	919.8	266.2	0.5	3.1	0.27	930.0	773.0	679.0	590.0	470.0	378.0	22.4	463.7	52.6
Tlalpujahua	783.5	795.3	144.3	-0.1	2.3	0.18	821.0	643.0	596.0	555.0	504.0	466.0	10.1	549.8	22.1
Tlazalca	838.3	867.3	156.4	-0.2	2.9	0.19	846.0	731.0	659.0	590.0	501.0	435.0	26.6	499.9	50.6
Tocumbo	941.8	924.5	159.9	-0.2	3.5	0.17	934.0	849.0	790.0	716.0	600.0	506.0	40.0	560.7	66.8
Tumbiscatio	930.2	948.3	247.4	0.0	2.8	0.27	931.0	727.0	597.0	472.0	305.0	178.0	22.6	341.0	41.1
Turicato	1057.3	1058.1	251.8	0.7	4.2	0.24	1032.0	854.0	736.0	615.0	444.0	299.0	11.9	574.3	25.1
Tuxpan	924.1	909.1	192.9	0.3	3.1	0.21	897.0	751.0	661.0	570.0	441.0	336.0	12.0	548.3	23.5
Tuzantla	979.2	996.0	325.6	0.5	4.3	0.33	986.0	749.0	593.0	443.0	245.0	93.0	17.9	310.1	37.0
Tzinzuntzan	783.2	784.9	187.2	0.4	4.1	0.24	800.0	676.0	589.0	497.0	358.0	233.0	22.2	391.1	40.8
Tzitzio	768.0	732.6	211.6	0.5	3.1	0.28	731.0	593.0	510.0	425.0	303.0	200.0	11.6	401.8	24.1
Uruapan	1539.3	1512.1	320.6	0.5	3.3	0.21	1538.0	1297.0	1141.0	992.0	801.0	657.0	14.1	934.4	26.3
Venustiano Carranza	704.0	724.7	149.3	-1.2	7.3	0.21	718.0	599.0	522.0	449.0	354.0	283.0	65.1	256.1	130.0
Villamar	789.5	769.3	158.8	0.8	3.8	0.20	755.0	648.0	570.0	480.0	339.0	219.0	7.8	526.7	14.1
Vista Hermosa	764.3	767.0	164.6	-0.7	5.7	0.22	772.0	653.0	570.0	484.0	362.0	263.0	74.2	219.2	134.4
Yurécuaro	796.0	809.6	189.1	0.4	3.2	0.24	785.0	640.0	537.0	426.0	263.0	126.0	8.2	493.0	13.2
Zacapu	805.9	801.5	181.5	0.4	3.1	0.23	806.0	648.0	537.0	422.0	261.0	131.0	8.0	498.5	12.7
Zamora	743.4	735.3	154.0	0.4	2.5	0.21	719.0	602.0	540.0	481.0	399.0	334.0	12.5	460.8	25.1
Zináparo	718.0	725.1	221.4	-0.2	3.6	0.31	731.0	563.0	441.0	313.0	127.0	0.0	22.7	185.3	37.8
Zinapécuaro	787.7	772.8	395.3	4.4	32.4	0.50	783.0	525.0	351.0	178.0	0.0	0.0	4.7	222.6	16.7
Ziracuaretiro	1225.9	1170.2	243.1	0.5	2.7	0.20	1159.0	1014.0	930.0	844.0	718.0	609.0	8.8	860.3	17.7
Zitácuaro	885.0	879.7	173.7	0.4	4.3	0.20	883.0	760.0	673.0	581.0	441.0	319.0	21.7	471.7	41.3
José Sixto Verduzco	681.5	664.8	241.6	0.1	3.3	0.35	660.0	493.0	389.0	291.0	165.0	71.0	20.5	184.3	43.5
Estatal	855.9	854.1	121.0	1.3	6.4	0.14	841.0	756.0	689.0	603.0	444.0	302.0	10.2	620.6	17.6

Tabla C.117. Características estadísticas de la lluvia anual de cada municipio del estado de Michoacán.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad		Ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10		
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)		
Acutzio	689.9	798.3	906.6	1014.9	1123.3	1231.6	1339.9	1448.2	1556.6	1664.9	3.9	7.8	25.4	13.7	17.6	15.6	7.8	3.9	1.9	1.9		
Aguililla	598.7	706.3	813.8	921.4	1028.9	1136.4	1244.0	1351.5	1459.1	1566.6	5.0	2.5	15.0	25.0	15.0	15.0	12.5	5.0	2.5	2.5		
Alvaro Obregón	351.5	428.4	505.4	582.3	659.3	736.2	813.2	890.1	967.1	1044.0	4.5	9.0	0.0	13.6	31.8	9.0	22.7	0.0	4.5	4.5		
Angamacutiro	316.0	459.4	602.8	746.3	889.8	1033.2	1176.7	1320.1	1463.6	1607.0	4.6	6.9	9.3	30.2	30.2	13.9	2.3	0.0	0.0	2.3		
Angangueo	613.6	665.2	716.8	768.4	820.1	871.7	923.3	974.9	1026.5	1078.1	20.0	0.0	0.0	0.0	13.3	6.6	6.6	20.0	13.3	20.0		
Apatzingán	532.0	590.5	648.9	707.3	765.8	824.2	882.6	941.0	999.5	1057.9	4.3	4.3	21.7	21.7	4.3	26.0	4.3	8.6	0.0	4.3		
Aporo	595.9	642.0	688.2	734.3	780.4	826.5	872.6	918.8	964.9	1011.0	9.5	9.5	14.2	9.5	0.0	9.5	14.2	4.7	19.0	9.5		
Aquila	367.2	528.5	689.8	851.1	1012.5	1173.8	1335.1	1496.4	1657.7	1819.0	4.0	4.0	4.0	12.0	24.0	24.0	16.0	8.0	0.0	4.0		
Ario	469.3	576.2	683.0	789.9	896.8	1003.7	1110.6	1217.4	1324.3	1431.2	6.2	0.0	6.2	6.2	0.0	37.5	12.5	6.2	18.7	6.2		
Arteaga	501.2	634.0	766.8	899.6	1032.4	1165.1	1297.9	1430.7	1563.5	1696.3	1.8	20.0	10.9	25.4	10.9	12.7	7.2	5.4	0.0	5.4		
Brieseñas	380.2	492.6	604.9	717.2	829.6	941.9	1054.2	1166.5	1278.9	1391.2	2.6	2.6	7.8	26.3	23.6	10.5	13.1	7.8	2.6	2.6		
Buenavista	428.9	493.5	558.0	622.5	687.0	751.6	816.1	880.6	945.2	1009.7	17.6	0.0	29.4	5.8	11.7	23.5	5.8	0.0	0.0	5.8		
Carácuaro	729.7	822.5	915.3	1008.1	1101.0	1193.8	1286.6	1379.4	1472.2	1565.0	4.4	6.6	11.1	24.4	22.2	15.5	0.0	11.1	2.2	2.2		
Coahuayana	909.8	975.6	1041.4	1107.2	1173.1	1238.9	1304.7	1370.5	1436.3	1502.1	7.6	7.6	23.0	23.0	0.0	15.3	0.0	7.6	0.0	15.3		
Coahuacán de Vázquez Pallares	859.2	1290.1	1721.0	2151.9	2582.8	3013.8	3444.7	3875.6	4306.5	4737.4	9.2	46.2	27.7	3.7	1.8	1.8	3.7	1.8	1.8	1.8		
Coeneo	378.1	469.7	561.3	652.9	744.5	836.0	927.6	1019.2	1110.8	1202.4	2.3	0.0	2.3	2.3	23.8	26.1	19.0	11.9	4.7	7.1		
Contepec	399.3	511.6	624.0	736.3	848.7	961.0	1073.4	1185.7	1298.1	1410.4	4.1	4.1	10.4	18.7	25.0	22.9	10.4	2.0	0.0	2.0		
Copándaro	227.4	384.1	540.8	697.5	854.2	1010.8	1167.5	1324.2	1480.9	1637.6	4.5	4.5	28.7	34.8	13.6	12.1	0.0	0.0	0.0	1.5		
Cotija	253.6	348.0	442.3	536.7	631.1	725.5	819.9	914.2	1008.6	1103.0	2.1	2.1	0.0	13.0	0.0	26.0	17.3	23.9	6.5	8.6		
Quitzeo	227.4	384.1	540.8	697.5	854.2	1010.8	1167.5	1324.2	1480.9	1637.6	7.8	4.6	23.4	31.2	17.1	12.5	1.5	0.0	0.0	1.5		
Charapan	617.2	724.9	832.6	940.3	1048.0	1155.6	1263.3	1371.0	1478.7	1586.4	9.7	12.1	24.3	17.0	19.5	4.8	2.4	7.3	0.0	2.4		
Charo	222.3	344.8	467.4	589.9	712.4	834.9	957.4	1080.0	1202.5	1325.0	7.1	0.0	7.1	19.0	33.3	21.4	7.1	2.3	0.0	2.3		
Chavinda	408.7	487.5	566.4	645.2	724.1	803.0	881.8	960.7	1039.5	1118.4	4.7	2.3	4.7	14.2	16.6	14.2	19.0	9.5	9.5	4.7		
Cherán	721.6	849.3	977.0	1104.7	1232.4	1360.0	1487.7	1615.4	1743.1	1870.8	4.5	9.0	22.7	9.0	18.1	13.6	0.0	13.6	4.5	4.5		
Chichota	721.6	849.3	977.0	1104.7	1232.4	1360.0	1487.7	1615.4	1743.1	1870.8	4.5	9.0	22.7	9.0	18.1	13.6	0.0	13.6	4.5	4.5		
Chinicuila	859.2	1290.1	1721.0	2151.9	2582.8	3013.8	3444.7	3875.6	4306.5	4737.4	9.2	46.2	27.7	3.7	1.8	1.8	3.7	1.8	1.8	1.8		
Chucándiro	377.7	453.4	529.0	604.6	680.3	755.9	831.5	907.1	982.8	1058.4	4.0	12.0	0.0	24.0	20.0	20.0	0.0	12.0	4.0	4.0		
Churintzio	288.5	391.6	494.8	598.0	701.2	804.3	907.5	1010.7	1113.8	1217.0	3.7	5.6	5.6	9.4	18.8	22.6	20.7	3.7	3.7	5.6		
Churumuco	371.1	436.6	502.2	567.7	633.3	698.8	764.3	829.9	895.4	961.0	2.7	8.3	13.8	19.4	19.4	8.3	13.8	2.7	2.7	8.3		
Ecuandureo	506.6	586.5	666.5	746.4	826.4	906.4	986.3	1066.3	1146.2	1226.2	5.7	5.7	17.1	11.4	20.0	25.7	2.8	2.8	5.7	2.8		
Epitacio Huerta	244.7	374.2	503.8	633.3	762.8	892.3	1021.8	1151.4	1280.9	1410.4	6.8	2.2	0.0	6.8	27.2	22.7	22.7	9.0	0.0	2.2		
Erongaricuaro	191.9	339.2	486.5	633.8	781.1	928.4	1075.7	1223.0	1370.3	1517.6	2.5	0.0	0.0	12.5	32.5	37.5	5.0	5.0	2.5	2.5		
Gabriel Zamora	629.6	738.0	846.3	954.7	1063.1	1171.5	1279.9	1388.2	1496.6	1605.0	15.1	21.2	15.1	24.2	12.1	6.0	3.0	0.0	0.0	3.0		
Hidalgo	612.5	716.4	820.4	924.4	1028.4	1132.3	1236.3	1340.3	1444.2	1548.2	1.4	5.8	16.1	22.0	17.6	19.1	5.8	5.8	2.9	2.9		
Huacana, La	470.1	552.4	634.7	717.0	799.3	881.7	964.0	1046.3	1128.6	1210.9	9.4	11.3	15.0	18.8	11.3	13.2	5.6	9.4	3.7	1.8		
Huandacareo	227.4	384.1	540.8	697.5	854.2	1010.8	1167.5	1324.2	1480.9	1637.6	4.5	4.5	28.7	34.8	13.6	12.1	0.0	0.0	0.0	1.5		
Huaniqueo	378.1	469.7	561.3	652.9	744.5	836.0	927.6	1019.2	1110.8	1202.4	2.3	0.0	2.3	2.3	23.8	26.1	19.0	11.9	4.7	7.1		
Huetamo	262.1	367.9	473.6	579.3	685.1	790.8	896.5	1002.2	1108.0	1213.7	1.4	1.4	2.8	0.0	17.3	21.7	23.1	17.3	10.1	4.3		
Huiramba	624.4	740.0	855.6	971.2	1086.9	1202.5	1318.1	1433.7	1549.3	1664.9	4.2	8.5	21.2	14.8	21.2	14.8	6.3	2.1	4.2	2.1		

Tabla C.118. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Michoacán.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Indaparapeo	222.3	344.8	467.4	589.9	712.4	834.9	957.4	1080.0	1202.5	1325.0	7.1	0.0	7.1	19.0	33.3	21.4	7.1	2.3	0.0	2.3
Irimbo	513.7	606.7	699.8	792.8	885.8	978.8	1071.8	1164.9	1257.9	1350.9	4.4	13.3	8.8	26.6	11.1	11.1	15.5	4.4	2.2	2.2
Ixtlán	288.7	382.5	476.3	570.1	663.8	757.6	851.4	945.2	1039.0	1132.8	3.5	0.0	0.0	7.1	14.2	14.2	35.7	17.8	3.5	3.5
Jacona	530.9	596.8	662.6	728.4	794.3	860.1	925.9	991.7	1057.6	1123.4	5.0	7.5	12.5	12.5	10.0	17.5	10.0	12.5	5.0	7.5
Jiménez	427.4	519.3	611.3	703.2	795.1	887.0	978.9	1070.9	1162.8	1254.7	2.3	2.3	11.6	9.3	20.9	23.2	13.9	6.9	4.6	4.6
Jiquilpan	524.0	613.9	703.7	793.5	883.4	973.2	1063.0	1152.8	1242.7	1332.5	10.2	10.2	10.2	23.0	15.3	15.3	7.6	5.1	0.0	2.5
Juárez	428.7	537.5	646.2	755.0	863.7	972.4	1081.2	1189.9	1298.7	1407.4	5.8	11.7	5.8	5.8	17.6	23.5	17.6	5.8	0.0	5.8
Jungapeo	405.1	504.7	604.4	704.0	803.6	903.2	1002.8	1102.5	1202.1	1301.7	6.1	6.1	12.2	12.2	24.4	20.4	8.1	8.1	0.0	2.0
Lagunillas	624.4	740.0	855.6	971.2	1086.9	1202.5	1318.1	1433.7	1549.3	1664.9	4.2	8.5	21.2	14.8	21.2	14.8	6.3	2.1	4.2	2.1
Madero	504.0	632.2	760.5	888.7	1017.0	1145.3	1273.5	1401.8	1530.0	1658.3	1.4	2.8	4.3	2.8	21.7	20.2	26.0	7.2	7.2	5.7
Maravatio	327.3	469.9	612.5	755.1	897.8	1040.4	1183.0	1325.6	1468.2	1610.8	4.1	6.2	12.5	18.7	20.8	22.9	6.2	2.0	0.0	6.2
Marcos Castellanos	524.0	613.9	703.7	793.5	883.4	973.2	1063.0	1152.8	1242.7	1332.5	10.2	10.2	10.2	23.0	15.3	15.3	7.6	5.1	0.0	2.5
Lázaro Cárdenas	476.4	612.0	747.5	883.1	1018.6	1154.1	1289.7	1425.2	1560.8	1696.3	3.7	13.2	13.2	22.6	15.0	11.3	9.4	5.6	0.0	5.6
Morelia	503.5	578.4	653.2	728.0	802.9	877.7	952.5	1027.3	1102.2	1177.0	5.6	15.0	13.2	9.4	16.9	15.0	11.3	5.6	3.7	3.7
Morelos	572.3	646.0	719.8	793.5	867.3	941.0	1014.8	1088.5	1162.3	1236.0	9.7	7.3	9.7	21.9	17.0	7.3	19.5	0.0	2.4	4.8
Múgica	473.4	517.5	561.5	605.5	649.6	693.6	737.6	781.6	825.7	869.7	8.5	5.7	8.5	20.0	8.5	14.2	11.4	5.7	11.4	5.7
Nahuatzen	191.9	339.2	486.5	633.8	781.1	928.4	1075.7	1223.0	1370.3	1517.6	2.5	0.0	0.0	12.5	32.5	37.5	5.0	5.0	2.5	2.5
Nocupétaro	729.7	822.5	915.3	1008.1	1101.0	1193.8	1286.6	1379.4	1472.2	1565.0	4.4	6.6	11.1	24.4	22.2	15.5	0.0	11.1	2.2	2.2
Nuevo Parangaricutiro	746.5	915.0	1083.6	1252.1	1420.6	1589.1	1757.6	1926.2	2094.7	2263.2	2.7	2.7	0.0	16.6	19.4	25.0	16.6	5.5	0.0	11.1
Nuevo Urecho	629.6	738.0	846.3	954.7	1063.1	1171.5	1279.9	1388.2	1496.6	1605.0	5.2	7.8	18.4	18.4	13.1	15.7	13.1	0.0	5.2	2.6
Numarán	288.5	391.6	494.8	598.0	701.2	804.3	907.5	1010.7	1113.8	1217.0	3.7	5.6	5.6	9.4	18.8	22.6	20.7	3.7	3.7	5.6
Ocampo	452.2	552.0	651.9	751.7	851.6	951.5	1051.3	1151.2	1251.0	1350.9	2.2	4.4	4.4	20.0	17.7	20.0	11.1	11.1	6.6	2.2
Pajacuarán	328.4	396.0	463.5	531.1	598.7	666.3	733.9	801.4	869.0	936.6	3.5	0.0	0.0	7.1	7.1	7.1	21.4	32.1	10.7	10.7
Panindícuaro	427.4	519.3	611.3	703.2	795.1	887.0	978.9	1070.9	1162.8	1254.7	2.3	2.3	11.6	9.3	20.9	23.2	13.9	6.9	4.6	4.6
Parácuaro	741.5	798.9	856.4	913.8	971.3	1028.8	1086.2	1143.7	1201.1	1258.6	17.6	0.0	0.0	5.8	5.8	29.4	17.6	5.8	5.8	11.7
Paracho	721.6	849.3	977.0	1104.7	1232.4	1360.0	1487.7	1615.4	1743.1	1870.8	4.5	9.0	22.7	9.0	18.1	13.6	0.0	13.6	4.5	4.5
Pátzcuaro	768.1	904.6	1041.2	1177.7	1314.3	1450.8	1587.4	1723.9	1860.5	1997.0	2.0	2.0	12.5	29.1	14.5	20.8	2.0	10.4	2.0	4.1
Penjamillo	288.5	391.6	494.8	598.0	701.2	804.3	907.5	1010.7	1113.8	1217.0	3.7	5.6	5.6	9.4	18.8	22.6	20.7	3.7	3.7	5.6
Peribán	736.9	804.0	871.0	938.1	1005.1	1072.1	1139.2	1206.2	1273.3	1340.3	5.5	8.3	8.3	22.2	2.7	16.6	5.5	5.5	16.6	8.3
Piedad, La	288.5	391.6	494.8	598.0	701.2	804.3	907.5	1010.7	1113.8	1217.0	3.7	5.6	5.6	9.4	18.8	18.8	22.6	7.5	3.7	3.7
Purépero	727.4	794.2	861.1	927.9	994.8	1061.6	1128.5	1195.3	1262.2	1329.0	37.5	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	12.5
Puruándiro	417.3	515.0	612.6	710.2	807.9	905.5	1003.1	1100.7	1198.4	1296.0	2.1	8.5	14.8	21.2	21.2	6.3	10.6	6.3	4.2	4.2
Queréndaro	222.3	344.8	467.4	589.9	712.4	834.9	957.4	1080.0	1202.5	1325.0	7.1	0.0	7.1	19.0	33.3	21.4	7.1	2.3	0.0	2.3
Quiroga	482.4	573.8	665.1	756.4	847.8	939.1	1030.4	1121.7	1213.1	1304.4	4.0	6.1	14.2	22.4	18.3	20.4	8.1	0.0	2.0	4.0
Cojumatlán de Régules	524.0	613.9	703.7	793.5	883.4	973.2	1063.0	1152.8	1242.7	1332.5	10.2	10.2	10.2	23.0	15.3	15.3	7.6	5.1	0.0	2.5
Reyes, Los	812.1	900.2	988.4	1076.6	1164.8	1252.9	1341.1	1429.3	1517.4	1605.6	7.8	18.4	13.1	21.0	10.5	15.7	7.8	2.6	0.0	2.6
Sahuayo	524.0	613.9	703.7	793.5	883.4	973.2	1063.0	1152.8	1242.7	1332.5	10.2	10.2	10.2	23.0	15.3	15.3	7.6	5.1	0.0	2.5
San Lucas	278.6	400.7	522.9	645.1	767.2	889.4	1011.6	1133.8	1255.9	1378.1	2.9	4.4	0.0	10.4	34.3	20.8	16.4	5.9	2.9	1.4

Tabla C.118. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Michoacán.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Santa Ana Maya	227.4	384.1	540.8	697.5	854.2	1010.8	1167.5	1324.2	1480.9	1637.6	7.8	4.6	2.4	31.2	17.1	12.5	1.5	0.0	0.0	1.5
Salvador Escalante	469.3	576.2	683.0	789.9	896.8	1003.7	1110.6	1217.4	1324.3	1431.2	6.2	0.0	6.2	6.2	0.0	37.5	12.5	6.2	18.7	6.2
Senguio	595.9	642.0	688.2	734.3	780.4	826.5	872.6	918.8	964.9	1011.0	9.5	9.5	14.2	9.5	0.0	9.5	14.2	4.7	19.0	9.5
Susupuato	631.8	787.3	942.8	1098.3	1253.8	1409.2	1564.7	1720.2	1875.7	2031.2	6.1	15.3	26.1	32.3	12.3	0.0	6.1	0.0	0.0	1.5
Tacámbaro	768.1	904.6	1041.2	1177.7	1314.3	1450.8	1587.4	1723.9	1860.5	1997.0	2.3	4.7	19.0	33.3	16.6	11.9	4.7	2.3	0.0	4.7
Tancitaro	629.6	738.0	846.3	954.7	1063.1	1171.5	1279.9	1388.2	1496.6	1605.0	9.0	18.1	9.0	24.2	21.2	9.0	6.0	0.0	0.0	3.0
Tangamandapio	519.8	578.7	637.7	696.7	755.7	814.6	873.6	932.6	991.5	1050.5	5.0	10.0	20.0	2.5	12.5	15.0	12.5	10.0	2.5	10.0
Tanganciaro	633.5	701.1	768.6	836.1	903.6	971.2	1038.7	1106.2	1173.8	1241.3	9.7	19.5	9.7	4.8	12.1	17.0	17.0	4.8	2.4	2.4
Tanhuato	367.6	448.3	529.1	609.8	690.6	771.3	852.1	932.8	1013.6	1094.3	2.6	0.0	0.0	10.5	13.1	15.7	34.2	10.5	5.2	7.8
Taretan	772.0	876.2	980.4	1084.6	1188.8	1292.9	1397.1	1501.3	1605.5	1709.7	10.0	10.0	20.0	16.6	20.0	16.6	3.3	0.0	0.0	3.3
Tarimbaro	340.0	418.2	496.5	574.7	652.9	731.1	809.3	887.6	965.8	1044.0	4.3	4.3	8.6	26.0	17.3	13.0	13.0	8.6	0.0	4.3
Tepalcatepec	393.4	481.2	569.1	657.0	744.9	832.7	920.6	1008.5	1096.3	1184.2	2.0	6.1	6.1	14.2	32.6	14.2	14.2	4.0	0.0	6.1
Tingambalo	191.9	339.2	486.5	633.8	781.1	928.4	1075.7	1223.0	1370.3	1517.6	2.5	0.0	0.0	12.5	32.5	37.5	5.0	5.0	2.5	2.5
Tinguindín	639.4	712.9	786.5	860.0	933.6	1007.2	1080.7	1154.3	1227.8	1301.4	10.0	10.0	17.5	20.0	12.5	7.5	10.0	5.0	5.0	2.5
Tiquicheo de Nicolás Romero	574.7	685.7	796.7	907.7	1018.8	1129.8	1240.8	1351.8	1462.8	1573.8	3.2	3.2	22.5	19.3	12.9	12.9	6.4	9.6	3.2	6.4
Tlalpujahua	595.9	642.0	688.2	734.3	780.4	826.5	872.6	918.8	964.9	1011.0	9.5	9.5	14.2	9.5	0.0	9.5	14.2	4.7	19.0	9.5
Tlazazalca	562.1	624.3	686.4	748.6	810.8	873.0	935.2	997.3	1059.5	1121.7	5.1	5.1	12.8	2.5	15.3	12.8	25.6	2.5	10.2	7.6
Tocumbo	629.3	697.8	766.3	834.9	903.4	972.0	1040.6	1109.1	1177.7	1246.2	3.3	6.6	0.0	13.3	13.3	26.6	6.6	6.6	16.6	6.6
Tumbiscatio	449.7	558.4	667.2	775.9	884.6	993.3	1102.0	1210.8	1319.5	1428.2	1.8	3.7	9.4	13.2	13.2	18.8	16.9	7.5	3.7	11.3
Turicato	706.4	838.5	970.5	1102.6	1234.7	1366.8	1498.9	1630.9	1763.0	1895.1	7.4	11.9	20.8	20.8	17.9	8.9	7.4	1.4	1.4	1.4
Tuxpan	637.2	726.1	815.0	903.9	992.8	1081.7	1170.6	1259.5	1348.4	1437.3	4.0	14.2	12.2	16.3	20.4	8.1	16.3	4.0	2.0	2.0
Tuzantla	467.0	623.8	780.7	937.5	1094.4	1251.3	1408.1	1565.0	1721.8	1878.7	4.3	6.5	15.2	15.2	26.0	21.7	4.3	0.0	2.1	4.3
Tzintzuntzan	482.4	573.8	665.1	756.4	847.8	939.1	1030.4	1121.7	1213.1	1304.4	4.0	6.1	14.2	22.4	18.3	20.4	8.1	0.0	2.0	4.0
Tzitzio	491.8	581.8	671.7	761.7	851.7	941.7	1031.7	1121.6	1211.6	1301.6	7.5	11.3	16.9	20.7	7.5	18.8	5.6	3.7	5.6	1.8
Uruapan	1067.3	1200.2	1333.0	1465.9	1598.8	1731.7	1864.6	1997.4	2130.3	2263.2	2.6	15.7	10.5	13.1	18.4	13.1	13.1	2.6	2.6	7.8
Venustiano Carranza	327.0	397.9	468.7	539.6	610.5	681.4	752.3	823.1	894.0	964.9	5.0	0.0	0.0	0.0	15.0	20.0	20.0	20.0	15.0	5.0
Villamar	599.1	671.5	743.9	816.3	888.7	961.2	1033.6	1106.0	1178.4	1250.8	6.9	16.2	20.9	20.9	9.3	9.3	9.3	4.6	0.0	2.3
Vista Hermosa	306.3	393.3	480.4	567.4	654.5	741.6	828.6	915.7	1002.7	1089.8	2.6	0.0	0.0	2.6	18.4	15.7	26.3	21.0	5.2	7.8
Yurécuaro	566.6	640.2	713.8	787.4	861.0	934.5	1008.1	1081.7	1155.3	1228.9	18.4	2.6	15.7	7.8	26.3	10.5	5.2	2.6	5.2	5.2
Zacapu	572.3	646.0	719.8	793.5	867.3	941.0	1014.8	1088.5	1162.3	1236.0	12.1	9.7	9.7	17.0	12.1	17.0	12.1	2.4	2.4	4.8
Zamora	521.4	582.0	642.6	703.2	763.8	824.3	884.9	945.5	1006.1	1066.7	4.6	10.7	15.9	12.3	13.8	12.3	9.2	7.6	4.6	7.6
Zinápapo	288.5	391.6	494.8	598.0	701.2	804.3	907.5	1010.7	1113.8	1217.0	3.7	5.6	5.6	9.4	18.8	22.6	20.7	3.7	3.7	5.6
Zinápécuaro	541.2	659.9	778.5	897.2	1015.8	1134.4	1253.1	1371.7	1490.4	1609.0	19.1	51.4	25.0	2.9	0.0	0.0	0.0	0.0	0.0	1.4
Ziracuaretiro	945.2	1030.2	1115.1	1200.1	1285.0	1369.9	1454.9	1539.8	1624.8	1709.7	10.0	10.0	16.6	16.6	10.0	10.0	6.6	3.3	6.6	10.0
Zitácuaro	569.3	667.0	764.6	862.2	959.8	1057.5	1155.1	1252.7	1350.4	1448.0	3.0	6.0	13.6	22.7	24.2	13.6	10.6	3.0	1.5	1.5
José Sixto Verduzco	287.7	391.2	494.6	598.1	701.5	804.9	908.4	1011.8	1115.3	1218.7	5.2	5.2	5.2	23.6	15.7	21.0	2.6	7.8	10.5	2.6
Estatal	686.7	752.8	818.9	885.0	951.1	1017.1	1083.2	1149.3	1215.4	1281.5	5.7	10.0	20.0	34.2	18.5	2.8	4.2	0.0	1.4	2.8

Tabla C.118. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Michoacán.

Municipio	Características promedio de la sequía meteorológica municipal											Tr(años) para	Tipo de sequía Meteorológica	
	Periodicidad	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS	Intensidad	% de IS			lluvia disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año) respecto a X _o	Hp disp S(mm)	Hp disp S(mm)	S(mm)	S(mm)			
Acutzio	5.4	3.5	2.6	1.9	437.8	496.2	168.3	16.0	853.4	4.6	MUY SEVERA			
Aguilla	4.3	2.2	2.2	1.0	360.2	218.9	163.7	16.0	799.9	4.4	MUY SEVERA			
Alvaro Obregón	3.7	1.9	2.6	1.7	297.5	336.3	114.4	17.0	535.8	6.7	MUY SEVERA			
Angamacutiro	5.0	2.5	2.2	1.3	390.7	388.9	177.5	24.0	560.4	6.4	MUY VASTA			
Angangueo	4.3	1.8	1.5	0.5	261.3	188.5	174.1	19.0	701.5	5.9	SEVERA			
Apatzingán	3.3	1.4	1.7	1.3	166.4	149.9	97.8	13.0	631.4	4.6	SEVERA			
Aporo	6.5	0.5	3.0	1.6	433.5	366.4	144.5	18.0	639.0	5.3	EXTREMADAMENTE SEVERA			
Aquila	4.7	1.9	2.3	1.7	572.4	712.7	248.8	24.0	768.1	6.4	MUY VASTA			
Ario	3.6	1.2	2.2	0.8	362.6	388.7	164.8	16.0	826.1	4.6	MUY SEVERA			
Arteaga	4.4	2.7	2.6	2.1	540.0	520.7	207.6	22.0	704.5	4.1	MUY VASTA			
Briseñas	4.5	1.9	2.4	1.3	350.2	190.9	145.9	18.0	650.8	4.3	MUY SEVERA			
Buenavista	3.1	1.6	1.5	1.1	187.7	164.7	125.1	20.0	490.3	2.0	SEVERA			
Carácuaro	4.0	1.9	2.1	1.5	292.7	331.1	139.3	13.0	899.3	5.3	MUY SEVERA			
Coahuayana	6.0	1.0	2.6	1.2	348.2	172.5	133.9	11.0	1002.9	4.0	MUY SEVERA			
Coalcomán de Vázquez P.	4.4	1.7	2.8	1.9	1171.7	866.1	418.4	27.0	1084.2	3.4	MUY VASTA			
Coeneo	4.3	1.7	2.3	1.0	263.9	156.9	114.7	14.0	701.0	4.6	MUY SEVERA			
Contepec	3.9	1.8	1.9	1.5	314.9	436.8	165.7	21.0	612.9	5.3	VASTA			
Copándaro	4.3	2.3	2.6	2.2	348.7	441.3	134.1	21.0	481.5	3.8	MUY VASTA			
Cotija	3.9	1.8	1.8	1.6	278.3	383.3	154.6	20.0	589.9	6.2	SEVERA			
Cuitzeo	4.4	2.5	2.8	2.3	429.6	541.3	153.4	24.0	461.8	4.3	MUY VASTA			
Charapan	4.2	2.0	2.4	2.0	395.9	377.3	164.9	18.0	727.7	4.8	MUY SEVERA			
Charo	3.7	2.4	1.9	1.5	323.8	540.8	170.4	26.0	464.5	5.9	VASTA			
Chavinda	4.4	2.4	2.0	1.6	308.9	206.1	154.4	20.0	601.0	5.4	MUY SEVERA			
Cherán	3.1	1.1	2.1	1.0	477.8	452.8	227.5	19.0	946.1	3.9	MUY SEVERA			
Chilchota	3.1	1.1	2.1	1.0	477.8	452.8	227.5	19.0	946.1	3.9	MUY SEVERA			
Chinicuilá	4.4	1.7	2.8	1.9	1171.7	866.1	418.4	27.0	1084.2	3.4	MUY VASTA			
Chucándiro	5.5	3.2	2.8	1.3	336.4	234.0	120.1	18.0	536.5	4.5	MUY SEVERA			
Churintzio	4.1	1.0	2.2	1.6	404.3	554.7	183.7	25.0	534.3	5.9	MUY VASTA			
Churumuco	4.1	1.6	2.6	1.5	290.1	258.8	111.5	18.0	497.8	4.0	MUY SEVERA			
Ecuandureo	3.3	1.7	1.6	1.1	203.5	136.9	127.1	16.0	653.5	4.8	SEVERA			
Epitacio Huerta	3.9	1.6	1.7	1.4	330.4	692.7	194.3	24.0	587.0	5.8	VASTA			
Erongaricuaro	4.4	2.1	2.7	2.1	388.3	448.6	143.8	17.0	661.6	5.4	MUY SEVERA			
Gabriel Zamora	3.8	1.4	1.8	0.7	317.8	152.5	176.5	20.0	670.3	2.9	SEVERA			
Hidalgo	5.4	3.7	2.9	3.5	412.5	594.0	142.2	14.0	826.9	5.3	MUY SEVERA			
Huacana, La	5.0	1.4	2.9	2.0	417.3	386.9	143.8	19.0	576.1	4.1	MUY SEVERA			
Huandacareo	4.3	2.3	2.6	2.2	348.7	441.3	134.1	21.0	481.5	3.8	MUY VASTA			
Huaniqueo	4.3	1.7	2.3	1.0	263.9	156.9	114.7	14.0	701.0	4.6	MUY SEVERA			
Huetamo	4.7	3.3	2.2	2.3	328.8	410.0	149.4	18.0	653.7	5.5	MUY SEVERA			
Huiramba	4.8	3.4	2.8	2.7	472.4	596.8	168.7	17.0	810.4	4.4	MUY SEVERA			

Tabla C.119. Características de la sequía promedio de cada municipio del estado de Michoacán.

Municipio	Características promedio de la sequía meteorológica municipal								Huvia disponible Hp disp S(mm)	Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _d			
Indaparapeo	3.7	2.4	1.9	1.5	323.8	540.8	170.4	26.0	464.5	5.9	VASTA
Irimbo	4.7	1.9	2.3	1.3	382.3	309.4	166.2	20.0	648.2	4.5	MUY SEVERA
Ixtlán	3.2	1.5	1.3	0.4	176.6	174.5	135.8	17.0	622.8	6.5	SEVERA
Jacona	5.2	3.0	2.3	2.1	359.6	266.2	156.3	19.0	640.8	4.5	MUY SEVERA
Jiménez	4.5	1.8	2.1	1.2	306.7	225.6	146.0	18.0	663.7	5.0	MUY SEVERA
Jiquilpan	4.7	1.3	2.6	1.4	373.4	285.5	143.6	18.0	641.0	4.2	MUY SEVERA
Juárez	3.5	1.1	1.5	0.8	357.4	338.7	238.2	28.0	609.6	5.6	VASTA
Jungapeo	4.1	2.1	2.0	1.0	311.5	381.8	155.7	20.0	591.1	5.3	MUY SEVERA
Lagunillas	4.8	3.4	2.8	2.7	472.4	596.8	168.7	17.0	810.4	4.4	MUY SEVERA
Madero	4.6	1.8	2.4	2.3	463.2	705.9	193.0	17.0	919.0	5.3	MUY SEVERA
Maravatío	4.2	2.0	2.3	1.9	536.5	610.6	233.2	28.0	583.5	6.2	MUY VASTA
Marcos Castellanos	4.7	1.3	2.6	1.4	373.4	285.5	143.6	18.0	641.0	4.2	MUY SEVERA
Lázaro Cárdenas	4.4	2.4	2.4	1.7	552.0	537.9	230.0	25.0	678.3	4.3	MUY VASTA
Morelia	5.0	2.0	2.4	1.6	355.6	348.4	148.1	19.0	602.1	4.5	MUY SEVERA
Morelos	4.1	2.1	2.2	1.3	284.8	216.4	129.4	15.0	681.6	4.2	MUY SEVERA
Múgica	3.8	2.1	2.0	1.5	190.1	152.3	95.0	14.0	550.4	4.2	MUY SEVERA
Nahuatzen	4.4	2.1	2.7	2.1	388.3	448.6	143.8	17.0	661.6	5.4	MUY SEVERA
Nocupétaro	4.0	1.9	2.1	1.5	292.7	331.1	139.3	13.0	899.3	5.3	MUY SEVERA
Nuevo Parangaricutiro	3.4	1.0	2.0	1.1	473.1	329.0	236.5	15.0	1260.0	4.3	MUY SEVERA
Nuevo Urecho	4.3	1.8	2.2	1.3	407.4	391.8	185.1	18.0	803.2	4.5	MUY SEVERA
Numarán	4.1	1.0	2.2	1.6	404.3	554.7	183.7	25.0	534.3	5.9	MUY VASTA
Ocampo	4.7	2.3	2.3	1.6	358.7	265.1	155.9	17.0	710.8	4.8	MUY SEVERA
Pajacuarán	4.3	2.6	1.4	0.4	190.7	122.8	136.2	19.0	579.9	10.1	SEVERA
Panindícuaro	4.5	1.8	2.1	1.2	306.7	225.6	146.0	18.0	663.7	5.0	MUY SEVERA
Parácuaro	4.0	1.0	2.0	0.8	344.2	34.1	172.1	17.0	816.9	8.2	MUY SEVERA
Paracho	3.1	1.1	2.1	1.0	477.8	452.8	227.5	19.0	946.1	3.9	MUY SEVERA
Pátzcuaro	3.6	1.2	2.0	1.2	351.6	331.3	175.8	13.0	1083.8	4.1	MUY SEVERA
Penjamillo	4.1	1.0	2.2	1.6	404.3	554.7	183.7	25.0	534.3	5.9	MUY VASTA
Peribán	3.4	1.1	1.8	1.1	281.2	210.2	156.2	15.0	860.8	4.9	SEVERA
Piedad, La	4.1	1.0	2.2	1.6	411.1	549.3	186.8	26.0	529.6	5.6	MUY VASTA
Purépero	2.3	0.4	1.2	0.4	138.7	58.7	115.5	13.0	713.7	3.2	SEVERA
Puruándiro	4.4	2.3	2.4	2.1	359.8	372.7	149.9	19.0	602.9	4.3	MUY SEVERA
Queréndaro	3.7	2.4	1.9	1.5	323.8	540.8	170.4	26.0	464.5	5.9	VASTA
Quiroga	5.8	2.9	2.6	2.2	391.1	393.0	150.4	19.0	632.8	7.1	MUY SEVERA
Cojumatlán de Régules	4.7	1.3	2.6	1.4	373.4	285.5	143.6	18.0	641.0	4.2	MUY SEVERA
Reyes, Los	4.1	1.0	2.1	1.1	300.3	171.4	143.0	13.0	909.5	4.1	MUY SEVERA
Sahuayo	4.7	1.3	2.6	1.4	373.4	285.5	143.6	18.0	641.0	4.2	MUY SEVERA
San Lucas	4.1	2.1	2.4	2.1	328.1	372.0	136.7	17.0	635.3	4.6	MUY SEVERA

Tabla C.119. Características de la sequía promedio de cada municipio del estado de Michoacán.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica ²		
	Periodicidad	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS	Intensidad			% de IS	lluvia disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X ₀	Hp disp	S(mm)			Hp disp	S(mm)
Santa Ana Maya	4.4	2.5	2.8	2.3	429.6	541.3	153.4	24.0	461.8		4.3	MUY VASTA		
Salvador Escalante	3.6	1.2	2.2	0.8	362.6	388.7	164.8	16.0	826.1		4.6	MUY SEVERA		
Senguio	6.5	0.5	3.0	1.6	433.5	366.4	144.5	18.0	639.0		5.3	EXTREMADAMENTE SEVERA		
Susupualo	4.1	1.7	2.1	1.1	367.7	262.4	175.0	18.0	786.2		4.4	MUY SEVERA		
Tacámbaro	4.3	1.1	2.6	1.4	379.5	266.7	145.9	12.0	1037.6		3.7	MUY SEVERA		
Tancitaro	4.8	2.0	2.5	1.2	405.5	287.2	162.1	18.0	736.9		4.4	MUY SEVERA		
Tangamandapio	4.3	2.4	2.0	1.3	259.1	147.8	129.5	17.0	622.3		5.3	MUY SEVERA		
Tangancicuaro	3.7	2.4	1.7	1.3	274.9	203.6	161.7	19.0	682.7		3.7	SEVERA		
Tanhuato	4.0	2.2	1.6	0.9	230.2	128.8	143.8	18.0	628.3		6.6	SEVERA		
Taretan	3.1	1.0	1.6	0.8	267.3	253.7	167.0	16.0	870.7		8.7	SEVERA		
Tarimbaro	4.0	2.3	2.5	2.2	301.9	374.9	120.7	19.0	502.3		4.4	MUY SEVERA		
Tepalcatepec	5.0	3.1	2.6	1.5	332.9	299.6	128.0	17.0	596.7		4.4	MUY SEVERA		
Tingambato	4.4	2.1	2.7	2.1	388.3	448.6	143.8	17.0	661.6		5.4	MUY SEVERA		
Tinguindin	3.6	1.3	2.0	0.8	256.4	160.7	128.1	14.0	731.6		4.0	MUY SEVERA		
Tiquicheo de Nicolás Romero	5.2	2.0	2.9	2.3	554.0	397.3	191.0	19.0	787.2		4.5	MUY SEVERA		
Tlalpujahua	6.5	0.5	3.0	1.6	433.5	366.4	144.5	18.0	639.0		5.3	EXTREMADAMENTE SEVERA		
Tlazazalca	3.8	2.0	1.5	0.8	222.9	185.6	148.6	17.0	689.7		7.4	SEVERA		
Tocumbo	3.1	1.7	1.6	1.2	186.4	183.2	116.5	12.0	825.2		6.7	SEVERA		
Tumbiscatio	4.4	2.1	2.1	1.0	444.6	306.8	211.7	22.0	718.5		5.2	MUY VASTA		
Turicato	4.7	2.2	2.3	1.1	463.4	335.9	201.4	19.0	855.8		4.9	MUY SEVERA		
Tuxpan	4.8	1.6	2.6	1.9	384.5	403.7	147.8	15.0	776.3		4.1	MUY SEVERA		
Tuzantla	4.0	2.1	1.8	0.8	463.7	393.7	257.6	26.0	721.5		5.6	VASTA		
Tzintzuntzan	5.8	2.9	2.6	2.2	391.1	393.0	150.4	19.0	632.8		7.1	MUY SEVERA		
Tzitzio	4.2	2.3	2.3	1.3	348.5	306.9	151.5	19.0	616.4		4.2	MUY SEVERA		
Uruapan	3.2	1.0	1.6	0.9	395.8	218.5	247.3	16.0	1292.0		5.1	SEVERA		
Venustiano Carranza	3.6	1.6	1.4	0.5	180.1	146.6	128.6	18.0	575.3		6.2	SEVERA		
Villamar	3.5	0.9	1.9	1.0	222.8	188.5	117.2	14.0	672.3		4.0	SEVERA		
Vista Hermosa	3.6	1.2	1.6	0.9	207.0	186.1	129.3	16.0	634.9		5.8	SEVERA		
Yurécuaro	4.4	2.4	2.3	1.9	349.3	351.5	151.8	19.0	644.1		4.9	MUY SEVERA		
Zacapu	4.3	2.4	2.1	1.1	300.0	288.1	142.8	17.0	663.1		4.5	MUY SEVERA		
Zamora	4.4	3.2	2.5	2.4	296.5	287.0	118.5	15.0	624.8		4.0	MUY SEVERA		
Zináparo	4.1	1.0	2.2	1.6	404.3	554.7	183.7	25.0	534.3		5.9	MUY VASTA		
Zinapécuaro	4.1	1.7	2.2	1.7	438.3	364.9	199.2	25.0	588.4		3.9	MUY VASTA		
Ziracuaretiro	4.8	1.4	2.5	1.6	427.4	393.7	170.9	13.0	1054.9		3.6	MUY SEVERA		
Zitácuaro	4.4	1.5	2.2	1.4	288.2	344.2	131.0	14.0	754.0		5.2	MUY SEVERA		
José Sixto Verduzco	4.2	2.3	2.6	2.1	444.6	536.7	171.0	25.0	510.5		4.5	MUY VASTA		
Estatad	3.9	1.1	2.0	1.2	160.2	134.5	80.0	9.0	775.8		4.0	MODERADA		

Tabla C.119. Características de la sequía promedio de cada municipio del estado de Michoacán.

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Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_0	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_0	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Acuilzio	1851.8	8.0	231.4	22.0	231.4	8.0	22.0	20.0	50.0	20.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
Aguillilla	743.4	4.0	185.8	19.0	472.4	1.0	49.0	30.0	40.0	10.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Alvaro Obregón	954.6	6.0	159.1	24.0	159.1	6.0	24.0	20.0	60.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
Angamacutiro	1032.4	4.0	258.1	34.0	504.4	2.0	68.0	44.4	22.2	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Angangueo	547.5	2.0	273.7	31.0	313.6	1.0	35.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apatzingán	499.1	5.0	99.8	13.0	255.6	1.0	35.0	71.4	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Aporo	948.0	5.0	189.6	24.0	189.6	5.0	24.0	33.3	0.0	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0
Aquila	1930.7	5.0	386.1	37.0	386.1	5.0	37.0	60.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
Ario	1024.7	3.0	341.5	34.0	341.5	3.0	34.0	25.0	25.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arteaga	1666.2	8.0	208.2	22.0	455.9	2.0	49.0	33.3	41.6	0.0	8.3	0.0	8.3	0.0	8.3	0.0	0.0
Brisetas	740.6	4.0	185.1	23.0	528.8	1.0	66.0	33.3	22.2	22.2	11.1	11.1	0.0	0.0	0.0	0.0	0.0
Buenavista	524.6	4.0	131.1	21.0	213.2	1.0	34.0	83.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Carácuaro	953.7	5.0	190.7	18.0	190.7	5.0	18.0	54.5	18.1	0.0	9.0	18.1	0.0	0.0	0.0	0.0	0.0
Coahuayana	517.7	3.0	172.5	15.0	172.5	3.0	15.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Coalcomán de V	3026.6	5.0	605.3	40.0	663.4	1.0	44.0	38.4	23.0	0.0	7.6	15.3	15.3	0.0	0.0	0.0	0.0
Coeneo	561.4	4.0	140.3	17.0	529.2	1.0	64.0	20.0	50.0	10.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Conlepec	1611.1	6.0	268.5	34.0	268.5	6.0	34.0	66.6	8.3	8.3	8.3	0.0	8.3	0.0	0.0	0.0	0.0
Copándaro	1532.1	10.0	153.2	24.0	255.7	3.0	41.0	33.3	33.3	20.0	0.0	6.6	0.0	0.0	0.0	0.0	6.6
Cotija	1492.9	7.0	213.2	28.0	269.9	1.0	36.0	66.6	16.6	8.3	0.0	0.0	0.0	8.3	0.0	0.0	0.0
Cuitzeo	1685.7	5.0	337.1	54.0	337.1	5.0	54.0	30.7	23.0	30.7	0.0	7.6	0.0	0.0	0.0	0.0	7.6
Charapan	1262.6	7.0	180.3	20.0	319.5	1.0	35.0	55.5	11.1	0.0	22.2	0.0	0.0	11.1	0.0	0.0	0.0
Charo	1924.6	6.0	320.7	50.0	320.7	6.0	50.0	60.0	20.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
Chavinda	681.6	4.0	170.4	22.0	365.0	1.0	48.0	60.0	20.0	0.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0
Cherán	1351.6	4.0	337.9	28.0	337.9	4.0	28.0	33.3	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Chilchota	1351.6	4.0	337.9	28.0	337.9	4.0	28.0	33.3	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Chinicuila	3026.6	5.0	605.3	40.0	663.4	1.0	44.0	38.4	23.0	0.0	7.6	15.3	15.3	0.0	0.0	0.0	0.0
Chucándiro	708.0	5.0	141.6	21.0	141.6	5.0	21.0	20.0	20.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Churintzio	2068.8	7.0	295.5	41.0	295.5	7.0	41.0	36.3	36.3	18.1	0.0	0.0	0.0	9.0	0.0	0.0	0.0
Churumuco	859.4	6.0	143.2	23.0	147.4	3.0	24.0	25.0	37.5	12.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0
Ecuandureo	365.3	5.0	73.0	9.0	354.0	1.0	45.0	63.6	27.2	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
Epitacio Huerta	2610.7	6.0	435.1	55.0	435.1	6.0	55.0	66.6	16.6	8.3	0.0	0.0	8.3	0.0	0.0	0.0	0.0
Erongaricuaro	1511.3	8.0	188.9	23.0	207.0	2.0	25.0	25.0	50.0	0.0	12.5	0.0	0.0	0.0	12.5	0.0	0.0
Gabriel Zamora	652.3	3.0	217.4	25.0	302.5	1.0	35.0	33.3	44.4	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hidalgo	1995.6	13.0	153.5	15.0	174.9	1.0	18.0	46.1	38.4	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.0
Huacana, La	1461.0	6.0	243.5	33.0	300.4	1.0	41.0	30.0	30.0	10.0	10.0	0.0	10.0	10.0	0.0	0.0	0.0
Huandacaro	1532.1	10.0	153.2	24.0	255.7	3.0	41.0	33.3	33.3	20.0	0.0	6.6	0.0	0.0	0.0	0.0	6.6
Huaniqueo	561.4	4.0	140.3	17.0	529.2	1.0	64.0	20.0	50.0	10.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Huetamo	1545.1	8.0	193.1	24.0	520.9	1.0	64.0	73.3	6.6	0.0	0.0	6.6	0.0	6.6	6.6	0.0	0.0
Huiramba	1630.8	8.0	203.8	20.0	288.9	1.0	29.0	44.4	33.3	0.0	0.0	0.0	0.0	0.0	22.2	0.0	0.0

Tabla C.120. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Michoacán.

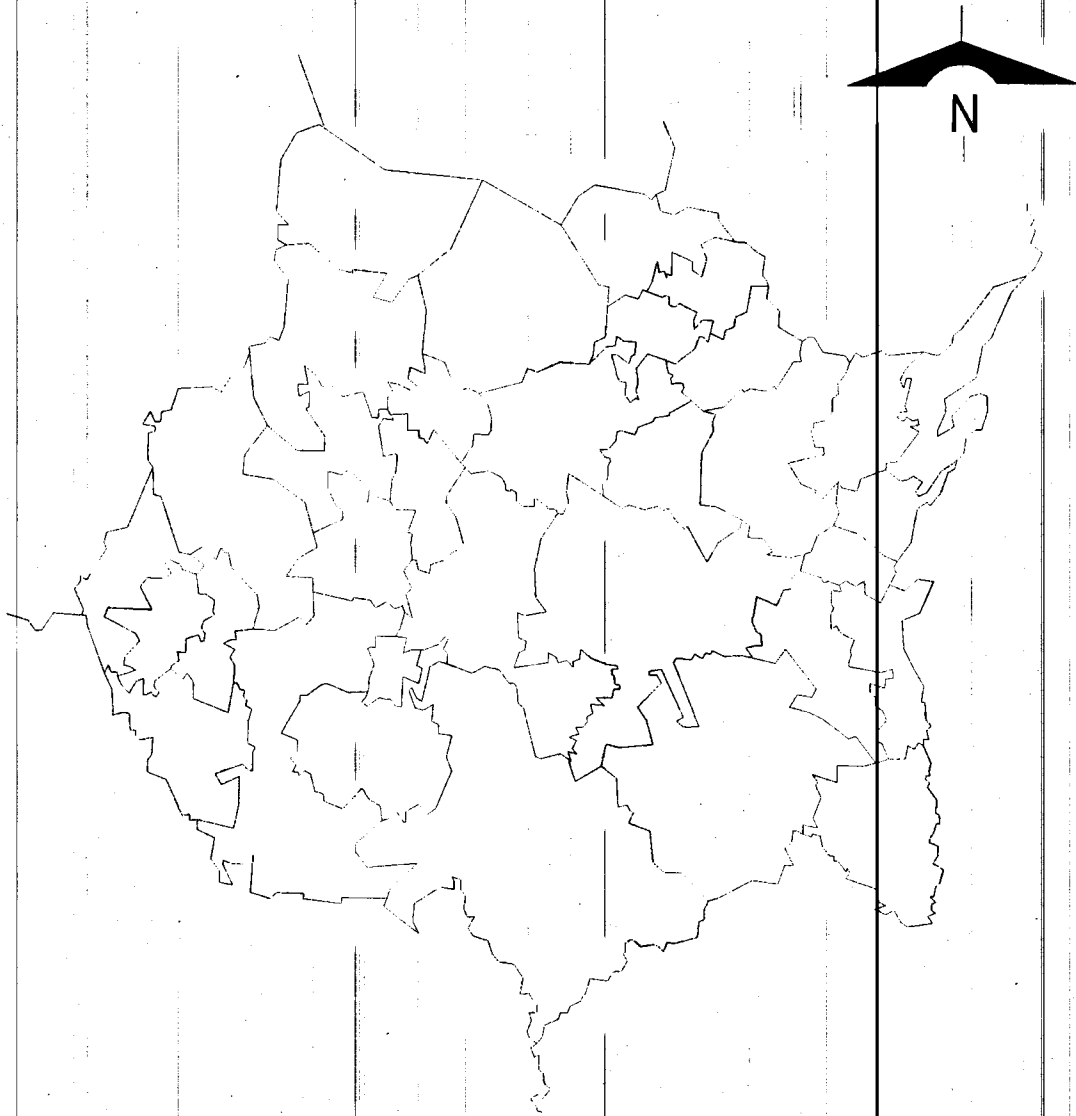
Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_0	$I^*(mm/año)$	$D_{máx}(años)$	respecto a X_0	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Indaparapeo	1924.6	6.0	320.7	50.0	320.7	6.0	50.0	60.0	20.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
Imbo	980.6	5.0	196.1	24.0	229.3	4.0	28.0	30.0	40.0	0.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0
Ixtlán	593.4	2.0	296.7	39.0	296.7	2.0	39.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jacona	865.1	7.0	123.5	15.0	283.2	1.0	35.0	62.5	12.5	0.0	0.0	12.5	0.0	12.5	0.0	0.0	0.0
Jiménez	623.7	4.0	155.9	19.0	263.9	2.0	32.0	40.0	30.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0
Jiquilpan	1041.3	5.0	208.2	26.0	304.0	1.0	38.0	25.0	37.5	12.5	0.0	25.0	0.0	0.0	0.0	0.0	0.0
Juárez	1002.7	3.0	334.2	39.0	334.2	3.0	39.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jungapeo	1349.0	5.0	269.8	36.0	299.4	3.0	40.0	33.3	50.0	8.3	0.0	8.3	0.0	0.0	0.0	0.0	0.0
Lagunillas	1630.8	8.0	203.8	20.0	288.9	1.0	29.0	44.4	33.3	0.0	0.0	0.0	0.0	0.0	22.2	0.0	0.0
Madero	2707.3	6.0	451.2	40.0	451.2	6.0	40.0	57.1	14.2	7.1	0.0	7.1	7.1	0.0	0.0	7.1	0.0
Maravatio	2093.0	7.0	299.0	36.0	299.0	7.0	36.0	50.0	20.0	0.0	20.0	0.0	0.0	10.0	0.0	0.0	0.0
Marcos C.	1041.3	5.0	208.2	26.0	304.0	1.0	38.0	25.0	37.5	12.5	0.0	25.0	0.0	0.0	0.0	0.0	0.0
Lázaro Cárdenas	2039.6	7.0	291.3	32.0	553.6	2.0	60.0	33.3	41.6	0.0	16.6	0.0	0.0	8.3	0.0	0.0	0.0
Morelia	1065.4	5.0	213.0	28.0	231.0	1.0	30.0	36.3	27.2	18.1	0.0	9.0	9.0	0.0	0.0	0.0	0.0
Morelos	776.1	5.0	155.2	19.0	312.5	1.0	38.0	40.0	30.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
Múgica	596.6	6.0	99.4	15.0	216.0	1.0	33.0	55.5	22.2	11.1	0.0	0.0	11.1	0.0	0.0	0.0	0.0
Nahuatzen	1511.3	8.0	188.9	23.0	207.0	2.0	25.0	25.0	50.0	0.0	12.5	0.0	0.0	0.0	12.5	0.0	0.0
Nocupétaro	953.7	5.0	190.7	18.0	190.7	5.0	18.0	54.5	18.1	0.0	9.0	18.1	0.0	0.0	0.0	0.0	0.0
Nuevo Parangar.	1035.6	2.0	517.8	34.0	588.4	1.0	39.0	50.0	20.0	10.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Nuevo Urecho	1470.4	5.0	294.0	29.0	390.8	1.0	39.0	44.4	11.1	33.3	0.0	11.1	0.0	0.0	0.0	0.0	0.0
Numarán	2068.8	7.0	295.5	41.0	295.5	7.0	41.0	36.3	36.3	18.1	0.0	0.0	0.0	9.0	0.0	0.0	0.0
Ocampo	881.1	6.0	146.8	16.0	258.2	2.0	29.0	40.0	30.0	0.0	20.0	0.0	10.0	0.0	0.0	0.0	0.0
Pajacuarán	456.8	2.0	228.3	31.0	228.3	2.0	31.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Panindícuaro	623.7	4.0	155.9	19.0	263.9	2.0	32.0	40.0	30.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0
Parácuaro	388.3	3.0	129.4	13.0	305.0	1.0	30.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Paracho	1351.6	4.0	337.9	28.0	337.9	4.0	28.0	33.3	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Pátzcuaro	1219.2	5.0	243.8	19.0	243.8	5.0	19.0	42.8	28.5	14.2	7.1	7.1	0.0	0.0	0.0	0.0	0.0
Penjamillo	2068.8	7.0	295.5	41.0	295.5	7.0	41.0	36.3	36.3	18.1	0.0	0.0	0.0	9.0	0.0	0.0	0.0
Peribán	772.6	5.0	154.5	15.0	266.8	1.0	26.0	40.0	50.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
Piedad, La	2057.8	7.0	293.9	41.0	293.9	7.0	41.0	36.3	36.3	18.1	0.0	0.0	0.0	9.0	0.0	0.0	0.0
Purépero	232.0	2.0	116.0	13.0	140.3	1.0	16.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Puruándiro	1461.2	8.0	182.6	24.0	307.6	1.0	40.0	45.4	27.2	9.0	0.0	9.0	0.0	0.0	9.0	0.0	0.0
Queréndaro	1924.6	6.0	320.7	50.0	320.7	6.0	50.0	60.0	20.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
Quiroga	1136.3	5.0	227.2	29.0	363.1	1.0	46.0	33.3	44.4	0.0	0.0	11.1	0.0	0.0	11.1	0.0	0.0
Cojumatlán de R.	1041.3	5.0	208.2	26.0	304.0	1.0	38.0	25.0	37.5	12.5	0.0	25.0	0.0	0.0	0.0	0.0	0.0
Reyes, Los	646.5	5.0	129.3	12.0	302.5	1.0	28.0	30.0	40.0	20.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
Sahuayo	1041.3	5.0	208.2	26.0	304.0	1.0	38.0	25.0	37.5	12.5	0.0	25.0	0.0	0.0	0.0	0.0	0.0
San Lucas	1457.0	7.0	208.1	26.0	489.8	1.0	63.0	60.0	6.6	6.6	6.6	6.6	0.0	13.3	0.0	0.0	0.0

Tabla C.120. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Michoacán.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I'	Intensidad	Duración / máx	% de I' máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I'(mm/año)$	respecto a X_0	$I máx(mm/año)$	$D / máx(años)$	respecto a X_0	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Santa Ana Maya	1685.7	5.0	337.1	54.0	337.1	5.0	54.0	30.7	23.0	30.7	0.0	7.6	0.0	0.0	0.0	0.0	7.6
Salvador E.	1024.7	3.0	341.5	34.0	341.5	3.0	34.0	25.0	25.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Senguio	948.0	5.0	189.6	24.0	189.6	5.0	24.0	33.3	0.0	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0
Susupuato	958.7	5.0	191.7	19.0	332.7	2.0	34.0	37.5	31.2	18.7	6.2	6.2	0.0	0.0	0.0	0.0	0.0
Tacambaro	838.6	5.0	167.7	14.0	244.8	2.0	20.0	30.0	20.0	30.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Tancitaro	1024.2	5.0	204.8	22.0	342.7	1.0	38.0	14.2	57.1	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Tangamandapio	543.3	4.0	135.8	18.0	256.0	1.0	34.0	50.0	30.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
Tangancicuaro	830.2	5.0	166.0	19.0	278.4	1.0	32.0	72.7	9.0	0.0	9.0	9.0	0.0	0.0	0.0	0.0	0.0
Tanhuato	485.3	1.0	485.3	62.0	485.3	1.0	62.0	60.0	30.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Taretan	892.3	3.0	297.4	28.0	297.4	3.0	28.0	55.5	22.2	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tarimbaro	1038.9	7.0	148.4	23.0	148.4	7.0	23.0	40.0	40.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
Tepalcatepec	1167.4	4.0	291.8	40.0	291.8	4.0	40.0	30.0	30.0	10.0	20.0	0.0	10.0	0.0	0.0	0.0	0.0
Tingambato	1511.3	8.0	188.9	23.0	207.0	2.0	25.0	25.0	50.0	0.0	12.5	0.0	0.0	0.0	12.5	0.0	0.0
Tinguindín	500.5	4.0	125.1	14.0	239.3	2.0	27.0	27.2	45.4	18.1	9.0	0.0	0.0	0.0	0.0	0.0	0.0
Tiquicheo	1146.8	8.0	143.3	14.0	351.4	3.0	35.0	33.3	16.6	33.3	0.0	0.0	0.0	0.0	16.6	0.0	0.0
Tlalpujahua	948.0	5.0	189.6	24.0	189.6	5.0	24.0	33.3	0.0	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0
Tlazazalca	674.5	4.0	168.6	20.0	338.3	1.0	40.0	63.6	27.2	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
Tocumbo	628.3	2.0	314.1	33.0	314.1	2.0	33.0	70.0	20.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
Tumbiscatio	1080.9	4.0	270.2	29.0	490.2	2.0	52.0	33.3	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Turicato	1215.9	4.0	303.9	28.0	303.9	4.0	28.0	35.7	14.2	28.5	21.4	0.0	0.0	0.0	0.0	0.0	0.0
Tuxpan	1333.4	7.0	190.4	20.0	212.5	1.0	22.0	40.0	30.0	0.0	10.0	10.0	0.0	10.0	0.0	0.0	0.0
Tuzantla	1203.4	3.0	401.1	40.0	508.5	2.0	51.0	50.0	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tzintzuntzan	1136.3	5.0	227.2	29.0	363.1	1.0	46.0	33.3	44.4	0.0	0.0	11.1	0.0	0.0	11.1	0.0	0.0
Tzitzio	1146.3	5.0	229.2	29.0	305.3	1.0	39.0	46.1	7.6	23.0	15.3	7.6	0.0	0.0	0.0	0.0	0.0
Uruapan	897.2	3.0	299.0	19.0	442.9	1.0	28.0	58.3	25.0	8.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0
Venustiano C.	486.6	2.0	243.3	34.0	243.3	2.0	34.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Villamar	673.0	4.0	168.2	21.0	262.8	1.0	33.0	50.0	16.6	25.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0
Vista Hermosa	610.6	4.0	152.6	19.0	545.0	1.0	71.0	63.6	18.1	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
Yurécuaro	1167.2	6.0	194.5	24.0	271.1	1.0	34.0	62.5	0.0	12.5	0.0	12.5	12.5	0.0	0.0	0.0	0.0
Zacapu	1098.0	5.0	219.6	27.0	307.4	1.0	38.0	30.0	50.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
Zamora	1006.6	10.0	100.6	13.0	212.3	1.0	28.0	50.0	21.4	7.1	7.1	7.1	0.0	0.0	0.0	0.0	7.1
Zináparo	2068.8	7.0	295.5	41.0	295.5	7.0	41.0	36.3	36.3	18.1	0.0	0.0	0.0	9.0	0.0	0.0	0.0
Zinapécuaro	1203.2	8.0	150.4	19.0	383.0	3.0	48.0	47.0	23.5	11.7	11.7	0.0	0.0	0.0	5.8	0.0	0.0
Ziracuaretiro	1040.0	5.0	208.0	16.0	241.4	3.0	19.0	42.8	14.2	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0
Zitácuaro	1430.0	5.0	286.0	32.0	286.0	5.0	32.0	46.6	13.3	20.0	6.6	13.3	0.0	0.0	0.0	0.0	0.0
José Sixto V.	1828.1	8.0	228.5	33.0	470.9	1.0	69.0	37.5	25.0	25.0	0.0	0.0	0.0	0.0	12.5	0.0	0.0
Estatal	491.1	5.0	98.2	11.0	127.0	1.0	14.0	50.0	22.2	16.6	0.0	11.1	0.0	0.0	0.0	0.0	0.0

Tabla C.120. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Michoacán.

MORELOS



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv	Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _a (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _{p min} (mm)	H _{p min}
HA17001	954.8	926.0	231.3	0.2	3.5	0.24	930.0	766.0	660.0	549.0	387.0	252.0	31.9	344.5	62.5
HA17002	1261.2	1217.2	193.8	0.5	3.7	0.15	1230.0	1110.0	1025.0	930.0	781.0	653.0	13.5	908.5	23.1
HA17003	846.2	854.0	171.5	-0.7	6.3	0.20	859.0	750.0	666.0	568.0	408.0	272.0	54.9	299.6	87.2
HA17004	1134.7	1127.0	294.3	0.3	3.6	0.26	1125.0	924.0	797.0	675.0	516.0	394.0	16.0	590.4	32.6
HA17005	907.7	846.2	153.0	1.6	6.1	0.17	840.0	792.0	745.0	642.0	470.0	341.0	6.4	715.9	12.9
HA17006	943.0	959.7	205.2	0.4	4.4	0.22	942.0	788.0	686.0	584.0	446.0	335.0	16.0	518.4	31.2
HA17007	993.1	1011.3	240.3	-0.2	5.8	0.24	1013.0	828.0	699.0	566.0	363.0	167.0	29.9	342.6	54.1
HA17008	1057.0	971.0	335.2	1.8	7.0	0.32	951.0	856.0	784.0	680.0	386.0	101.0	12.3	613.9	26.4
HA17012	902.0	902.0	117.9	0.3	3.5	0.13	886.0	801.0	751.0	701.0	630.0	572.0	9.3	710.0	17.7
HA17013	867.1	833.0	182.0	1.2	5.7	0.21	853.0	738.0	664.0	593.0	501.0	432.0	10.5	575.0	23.8
HA17014	853.5	853.0	206.0	-0.5	4.0	0.24	857.0	715.0	570.0	432.0	255.0	122.0	20.9	333.4	33.2
HA17015	788.0	784.6	199.0	-1.1	7.4	0.25	772.0	653.0	582.0	516.0	431.0	368.0	585.6	105.5	182.9
HA17016	835.6	801.3	187.9	0.6	3.9	0.22	806.0	683.0	605.0	524.0	408.0	308.0	9.4	537.9	17.9
HA17018	796.8	776.9	205.4	0.6	4.5	0.26	793.0	647.0	553.0	463.0	347.0	261.0	12.1	439.3	24.1
HA17019	881.7	874.8	151.9	0.6	4.9	0.17	889.0	778.0	685.0	568.0	374.0	216.0	14.8	542.7	22.7
HA17020	963.8	964.5	196.4	-0.3	4.0	0.20	981.0	825.0	715.0	602.0	441.0	309.0	21.1	503.3	35.4
HA17021	931.5	906.0	241.0	0.5	4.2	0.26	899.0	733.0	627.0	518.0	360.0	227.0	12.1	494.0	23.2
HA17022	1641.9	1590.5	442.7	1.7	8.1	0.27	1582.0	1301.0	1113.0	922.0	644.0	399.0	4.5	1124.9	9.6
HA17023	767.2	798.9	152.2	-0.1	2.6	0.20	770.0	624.0	586.0	552.0	509.0	477.0	16.2	513.4	45.8
HA17024	946.0	930.7	217.8	1.0	4.7	0.23	931.0	760.0	649.0	540.0	397.0	286.0	7.2	610.6	12.7
HA17026	820.6	798.3	124.9	0.2	3.0	0.15	796.0	708.0	659.0	614.0	555.0	509.0	11.5	602.4	23.9
HA17029	1131.9	1110.0	326.9	0.3	4.3	0.29	1106.0	874.0	720.0	562.0	336.0	146.0	38.6	211.5	79.3
HA17030	929.3	903.9	281.6	-1.3	8.4	0.30	957.0	772.0	637.0	492.0	279.0	104.0	69.3	64.5	116.3
HA17031	889.2	888.2	251.0	1.4	7.6	0.28	850.0	721.0	633.0	540.0	395.0	258.0	6.7	592.8	13.6
HA17032	1462.7	1286.3	477.6	1.2	4.1	0.33	1241.0	1065.0	949.0	800.0	470.0	143.0	3.3	947.2	10.1
HA17038	699.6	691.8	132.3	-0.7	4.0	0.19	709.0	592.0	533.0	478.0	408.0	357.0	19.3	437.7	33.9
HA17044	982.2	994.4	192.9	0.6	6.7	0.20	980.0	854.0	748.0	597.0	279.0	8.0	12.0	630.5	17.6
HA17057	802.7	819.2	186.4	0.2	4.0	0.23	794.0	672.0	595.0	521.0	426.0	354.0	12.2	512.8	21.6
HA17058	861.6	838.9	183.2	-0.2	5.0	0.21	827.0	705.0	632.0	564.0	476.0	411.0	17.0	518.0	32.2

Tabla C.121. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Morelos.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA17001	468.8	593.1	717.4	841.7	966.0	1090.3	1214.6	1338.9	1463.2	1587.5	1.4	1.4	11.9	16.4	20.8	17.9	16.4	8.9	1.4	2.9
HA17002	985.4	1062.3	1139.2	1216.1	1293.0	1369.9	1446.8	1523.7	1600.6	1677.5	8.6	4.3	8.6	21.7	17.3	13.0	8.6	4.3	4.3	8.6
HA17003	390.2	480.9	571.5	662.2	752.8	843.4	934.1	1024.7	1115.4	1206.0	3.0	0.0	3.0	3.0	15.1	15.1	33.3	18.1	3.0	6.0
HA17004	714.4	838.5	962.5	1086.6	1210.6	1334.6	1458.7	1582.7	1706.8	1830.8	10.3	3.4	10.3	20.6	17.2	17.2	6.8	3.4	6.8	3.4
HA17005	777.9	839.9	901.9	963.9	1026.0	1088.0	1150.0	1212.0	1274.0	1336.0	6.8	3.0	20.6	17.2	6.8	6.8	3.4	0.0	0.0	6.8
HA17006	617.5	716.5	815.6	914.7	1013.8	1112.8	1211.9	1311.0	1410.0	1509.1	3.4	10.3	17.2	6.8	31.0	13.7	6.8	6.8	0.0	3.4
HA17007	481.9	621.3	760.6	900.0	1039.3	1178.6	1318.0	1457.3	1596.7	1736.0	4.8	4.8	7.3	4.8	34.1	29.2	9.7	2.4	0.0	2.4
HA17008	758.1	902.3	1046.5	1190.7	1335.0	1479.2	1623.4	1767.6	1911.8	2056.0	9.0	22.7	40.9	9.0	0.0	9.0	0.0	4.5	0.0	4.5
HA17012	755.9	801.7	847.6	893.4	939.3	985.1	1031.0	1076.8	1122.7	1168.5	14.2	0.0	28.5	0.0	19.0	9.5	14.2	9.5	0.0	4.7
HA17013	658.3	741.7	825.0	908.4	991.7	1075.0	1158.4	1241.7	1325.1	1408.4	6.8	12.2	17.2	20.6	24.1	3.4	3.4	0.0	3.4	3.4
HA17014	423.5	513.5	603.6	693.6	783.7	873.8	963.8	1053.9	1143.9	1234.0	3.7	3.7	7.4	7.4	3.7	33.3	11.1	14.8	7.4	7.4
HA17015	208.0	310.5	413.1	515.6	618.1	720.6	823.1	925.7	1028.2	1130.7	3.4	0.0	0.0	0.0	3.4	31.0	27.5	6.8	17.2	10.3
HA17016	612.4	686.9	761.5	836.0	910.5	985.0	1059.5	1134.1	1208.6	1283.1	13.7	6.8	17.2	20.6	10.3	13.7	3.4	6.8	0.0	6.8
HA17018	528.0	616.7	705.5	794.2	882.9	971.6	1060.3	1149.1	1237.8	1326.5	13.7	0.0	13.7	24.1	20.6	13.7	3.4	3.4	0.0	6.8
HA17019	622.0	701.3	780.5	859.8	939.1	1018.4	1097.7	1176.9	1256.2	1335.5	2.4	7.3	14.6	24.3	21.9	14.6	9.7	0.0	2.4	2.4
HA17020	592.6	681.9	771.2	860.5	949.8	1039.2	1128.5	1217.8	1307.1	1396.4	6.8	0.0	6.8	10.3	17.2	17.2	27.5	6.8	3.4	3.4
HA17021	597.7	701.5	805.2	909.0	1012.7	1116.4	1220.2	1323.9	1427.7	1531.4	4.5	13.6	13.6	18.1	13.6	13.6	13.6	4.5	0.0	4.5
HA17022	1331.9	1538.8	1745.8	1952.7	2159.7	2366.6	2573.6	2780.5	2987.4	3194.4	25.0	17.8	32.1	7.1	7.1	7.1	0.0	0.0	0.0	3.5
HA17023	562.4	611.4	660.3	709.3	758.3	807.3	856.3	905.2	954.2	1003.2	6.6	13.3	0.0	26.6	0.0	6.6	6.6	13.3	20.0	6.6
HA17024	701.7	792.8	883.9	975.0	1066.1	1157.1	1248.2	1339.3	1430.4	1521.5	13.7	6.8	24.1	13.7	20.6	10.3	3.4	0.0	0.0	6.8
HA17026	650.0	697.5	745.1	792.7	840.2	887.8	935.4	983.0	1030.5	1078.1	8.6	4.3	17.3	17.3	13.0	8.6	8.6	13.0	4.3	4.3
HA17029	402.3	593.1	784.0	974.8	1165.6	1356.4	1547.2	1738.1	1928.9	2119.7	1.6	1.6	4.9	24.5	22.9	21.3	13.1	4.9	3.2	1.6
HA17030	197.9	331.3	464.8	598.2	731.6	865.0	998.4	1131.9	1265.3	1398.7	5.2	0.0	0.0	0.0	5.2	26.3	21.0	26.3	5.2	10.5
HA17031	682.9	772.9	863.0	953.0	1043.1	1133.2	1223.2	1313.3	1403.3	1493.4	18.1	18.1	9.0	27.2	9.0	9.0	0.0	0.0	0.0	9.0
HA17032	1134.8	1322.4	1510.0	1697.6	1885.3	2072.9	2260.5	2448.1	2635.7	2823.3	27.5	27.5	15.0	2.5	10.0	2.5	7.5	2.5	2.5	2.5
HA17038	480.5	523.3	566.2	609.0	651.8	694.6	737.4	780.3	823.1	865.9	13.3	0.0	0.0	0.0	20.0	20.0	0.0	13.3	20.0	13.3
HA17044	714.6	798.6	882.6	966.7	1050.8	1134.8	1218.9	1302.9	1387.0	1471.0	6.6	13.3	0.0	26.6	20.0	26.6	0.0	0.0	0.0	6.6
HA17057	573.4	634.0	694.6	755.2	815.8	876.3	936.9	997.5	1058.1	1118.7	15.3	7.6	0.0	7.6	15.3	23.0	15.3	0.0	0.0	15.3
HA17058	579.4	640.9	702.3	763.7	825.1	886.6	948.0	1009.4	1070.9	1132.3	10.0	0.0	0.0	20.0	10.0	30.0	0.0	0.0	20.0	10.0

Tabla C.122. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Morelos.

Estación	Características promedio de la sequía meteorológica									Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS	lluvia disponible		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s	Hp disp S(mm)		
HA17001	4.2	1.8	2.9	1.7	509.3	381.7	175.6	18.0	779.1	4.6	MUY SEVERA
HA17002	2.8	0.6	1.7	0.6	211.7	107.1	124.5	9.0	1136.6	4.0	NORMAL
HA17003	3.5	1.0	1.6	0.8	241.7	141.3	151.0	17.0	695.2	7.9	SEVERA
HA17004	3.2	0.8	1.6	0.6	358.4	292.3	224.0	19.0	910.7	5.4	SEVERA
HA17005	3.1	1.0	1.8	1.0	182.4	113.2	101.3	11.0	806.4	3.7	SEVERA
HA17006	5.0	2.2	1.9	0.8	375.7	197.6	197.7	20.0	745.3	6.7	SEVERA
HA17007	4.6	1.9	2.1	1.5	371.6	393.9	176.9	17.0	816.2	5.3	MUY SEVERA
HA17008	4.7	1.9	3.2	2.0	516.6	498.5	161.4	15.0	895.5	3.3	EXTREMADAMENTE SEVERA
HA17012	3.8	2.6	1.6	0.7	163.8	70.2	102.3	11.0	799.6	5.1	SEVERA
HA17013	3.2	1.2	1.8	1.2	209.5	132.1	116.3	13.0	750.8	4.5	SEVERA
HA17014	3.5	1.2	1.7	1.0	253.6	194.5	149.1	17.0	704.3	5.3	SEVERA
HA17015	3.0	1.0	1.5	0.6	207.7	195.9	138.4	17.0	649.6	5.2	SEVERA
HA17016	5.0	1.6	2.8	1.5	349.9	192.7	124.9	14.0	710.6	4.0	MUY SEVERA
HA17018	4.5	2.7	2.1	1.3	307.7	346.0	146.5	18.0	650.2	4.9	MUY SEVERA
HA17019	3.8	1.3	1.9	0.6	209.9	160.5	110.4	12.0	771.3	5.3	SEVERA
HA17020	3.1	1.1	1.5	0.9	243.9	143.5	162.6	16.0	801.2	5.8	SEVERA
HA17021	4.2	1.9	2.4	1.7	406.5	457.9	169.3	18.0	762.1	4.2	MUY SEVERA
HA17022	3.3	1.3	2.8	2.1	725.4	681.2	259.0	15.0	1382.8	3.7	MUY SEVERA
HA17023	4.3	1.8	1.7	0.8	251.0	147.9	147.6	19.0	619.6	5.4	SEVERA
HA17024	3.1	1.0	1.6	0.6	267.7	167.6	167.3	17.0	778.6	4.5	SEVERA
HA17026	3.0	0.7	1.6	0.6	148.5	78.8	92.8	11.0	727.7	3.9	SEVERA
HA17029	4.6	2.8	2.6	2.7	588.5	840.1	226.3	19.0	905.6	4.3	MUY SEVERA
HA17030	3.7	1.4	2.1	1.4	363.9	412.5	173.2	18.0	756.1	5.4	MUY SEVERA
HA17031	2.6	0.4	1.5	0.5	237.8	103.6	158.5	17.0	730.6	4.6	SEVERA
HA17032	6.5	5.7	3.7	5.8	1084.1	2051.2	293.0	20.0	1169.6	2.7	EXTREMADAMENTE SEVERA
HA17038	3.0	0.7	1.5	0.4	157.7	136.6	105.1	15.0	594.4	4.9	SEVERA
HA17044	4.0	1.4	1.7	0.8	242.8	226.9	142.8	14.0	839.3	5.5	SEVERA
HA17057	5.0	1.0	1.9	0.8	298.3	212.5	157.0	19.0	645.7	6.3	SEVERA
HA17058	4.0	0.5	1.9	0.8	229.2	174.1	120.6	13.0	741.0	3.6	SEVERA

Tabla C.123. Características de la sequía promedio de cada estación climatológica del estado de Morelos.^T

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de I máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_c	I máx(mm/año)	D / máx(años)	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA17001	1273.0	6.0	212.1	22.0	510.7	2.0	53.0	25.0	33.3	0.0	25.0	0.0	16.6	0.0	0.0	0.0	0.0
HA17002	365.9	2.0	182.9	14.0	352.6	1.0	27.0	37.5	50.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA17003	546.6	1.0	546.6	64.0	546.6	1.0	64.0	62.5	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA17004	876.1	2.0	438.0	38.0	438.0	2.0	38.0	44.4	44.4	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA17005	417.6	4.0	104.4	11.0	191.8	1.0	21.0	55.5	11.1	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA17006	685.7	2.0	342.8	36.0	342.8	2.0	36.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA17007	1297.4	6.0	216.2	21.0	325.3	2.0	32.0	44.4	33.3	11.1	0.0	0.0	11.1	0.0	0.0	0.0	0.0
HA17008	1449.5	7.0	207.0	19.0	207.0	7.0	19.0	20.0	20.0	40.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
HA17012	252.5	2.0	126.2	13.0	191.9	1.0	21.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA17013	460.1	3.0	153.3	17.0	256.4	1.0	29.0	55.5	22.2	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0
HA17014	579.4	4.0	144.8	16.0	306.4	1.0	35.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA17015	682.5	1.0	682.5	86.0	682.5	1.0	86.0	60.0	30.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA17016	575.6	5.0	115.1	13.0	297.6	1.0	35.0	33.3	16.6	0.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0
HA17018	889.5	5.0	177.9	22.0	270.3	3.0	33.0	42.8	28.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA17019	527.0	3.0	175.6	19.0	214.4	2.0	24.0	27.2	54.5	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA17020	506.1	4.0	126.5	13.0	460.5	1.0	47.0	66.6	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA17021	1223.9	5.0	244.7	26.0	244.7	5.0	26.0	60.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA17022	1890.0	7.0	270.0	16.0	314.6	3.0	19.0	50.0	0.0	16.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0
HA17023	420.7	2.0	210.3	27.0	210.3	2.0	27.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA17024	567.8	3.0	189.2	20.0	250.9	1.0	26.0	44.4	44.4	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA17026	246.9	3.0	82.3	10.0	218.1	1.0	26.0	50.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA17029	3043.8	11.0	276.7	24.0	342.6	5.0	30.0	53.8	23.0	0.0	0.0	15.3	0.0	0.0	0.0	0.0	0.0
HA17030	1164.8	5.0	232.9	25.0	232.9	5.0	25.0	40.0	40.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA17031	407.5	2.0	203.7	22.0	203.7	2.0	22.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA17032	6089.2	18.0	338.2	23.0	444.6	1.0	30.0	71.4	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA17038	333.2	2.0	166.6	23.0	166.6	2.0	23.0	40.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA17044	615.7	3.0	205.2	20.0	225.6	1.0	22.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA17057	501.8	3.0	167.2	20.0	194.1	2.0	24.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA17058	450.0	2.0	225.0	26.0	225.0	2.0	26.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.124. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Morelos.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años) primer	Lluvia mínima registrada	Tr(años) para
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años			
	X _o (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)			
Amacuzac	993.1	1011.3	240.3	-0.2	5.8	0.24	1013.0	828.0	699.0	566.0	363.0	167.0	29.9	342.6	54.1
Atlatlahuacan	954.8	926.0	231.3	0.2	3.5	0.24	930.0	766.0	660.0	549.0	387.0	252.0	31.9	344.5	62.5
Axochiapán	816.4	816.6	196.4	-1.2	8.8	0.24	824.0	685.0	585.0	478.0	319.0	186.0	100.7	64.5	181.8
Ayala	859.0	841.5	148.1	0.6	5.6	0.17	857.0	762.0	696.0	626.0	519.0	418.0	20.2	549.4	39.2
Coatlán del Río	943.0	959.7	205.2	0.4	4.4	0.22	942.0	788.0	686.0	584.0	446.0	335.0	16.0	518.4	31.2
Cuautla	886.9	873.7	140.0	0.7	5.1	0.16	871.0	768.0	684.0	578.0	405.0	265.0	15.0	553.7	23.0
Cuernavaca	1185.9	1166.1	258.6	0.5	4.3	0.22	1154.0	994.0	891.0	790.0	648.0	531.0	32.8	590.4	70.7
Emiliano Zapata	815.1	811.7	176.2	0.5	4.8	0.22	810.0	669.0	570.0	467.0	312.0	175.0	13.8	439.3	23.8
Huizilac	1363.0	1380.5	317.3	0.2	4.5	0.23	1361.0	1126.0	970.0	812.0	598.0	414.0	25.6	590.4	50.6
Jantetelco	875.9	875.6	138.4	-0.1	2.5	0.16	875.0	755.0	693.0	637.0	565.0	512.0	12.8	623.7	23.6
Jiutepec	946.0	930.7	217.8	1.0	4.7	0.23	931.0	760.0	649.0	540.0	397.0	286.0	7.2	610.6	12.7
Jojutla	825.8	835.1	158.2	0.6	4.6	0.19	836.0	699.0	601.0	500.0	356.0	236.0	8.5	551.5	14.2
Jonacatepec	875.9	875.6	138.4	-0.1	2.5	0.16	875.0	755.0	693.0	637.0	565.0	512.0	12.8	623.7	23.6
Mazatepec	943.0	959.7	205.2	0.4	4.4	0.22	942.0	788.0	686.0	584.0	446.0	335.0	16.0	518.4	31.2
Miacatlán	1111.3	1062.4	275.1	0.6	3.5	0.25	1034.0	865.0	760.0	618.0	377.0	184.0	19.2	495.3	32.4
Ocuiltepec	963.8	964.5	196.4	-0.3	4.0	0.20	981.0	825.0	715.0	602.0	441.0	309.0	21.1	503.3	35.4
Puente de Ixtla	861.0	851.0	158.2	0.9	5.1	0.18	850.0	726.0	632.0	523.0	339.0	152.0	10.7	542.7	17.8
Temixco	854.2	853.0	191.7	-0.5	4.3	0.22	862.0	793.0	664.0	533.0	368.0	239.0	36.3	333.4	59.4
Tepalcíngo	861.1	838.6	183.6	0.4	3.3	0.21	834.0	709.0	627.0	543.0	424.0	326.0	16.1	494.0	29.5
Tepoztlán	1240.4	1237.3	257.9	0.0	3.7	0.21	1234.0	1046.0	929.0	817.0	670.0	559.0	35.7	600.5	77.4
Tetecala	943.0	959.7	205.2	0.4	4.4	0.22	942.0	788.0	686.0	584.0	446.0	335.0	16.0	518.4	31.2
Tetela del Volcán	963.8	964.5	196.4	-0.3	4.0	0.20	981.0	825.0	715.0	602.0	441.0	309.0	21.1	503.3	35.4
Tlalnepantla	954.8	926.0	231.3	0.2	3.5	0.24	930.0	766.0	660.0	549.0	387.0	252.0	31.9	344.5	62.5
Tlalizapán	832.0	809.2	165.1	1.4	6.9	0.20	826.0	738.0	681.0	625.0	551.0	493.0	12.8	582.4	34.1
Tlaquiltenango	920.3	816.9	307.5	2.6	11.2	0.33	694.1	422.2	242.3	69.6	0.0	0.0	1.7	613.9	2.6
Tlayacapan	954.8	926.0	231.3	0.2	3.5	0.24	930.0	766.0	660.0	549.0	387.0	252.0	31.9	344.5	62.5
Totolapan	954.8	926.0	231.3	0.2	3.5	0.24	930.0	766.0	660.0	549.0	387.0	252.0	31.9	344.5	62.5
Xochitepec	832.0	809.2	165.1	1.4	6.9	0.20	826.0	738.0	681.0	625.0	551.0	493.0	12.8	582.4	34.1
Yautepec	935.6	905.8	198.1	1.2	5.6	0.21	889.0	768.0	670.0	538.0	328.0	163.0	8.1	610.6	14.0
Yecapixtla	954.8	926.0	231.3	0.2	3.5	0.24	930.0	766.0	660.0	549.0	387.0	252.0	31.9	344.5	62.5
Zacatepec de Hidalgo	820.6	798.3	124.9	0.2	3.0	0.15	796.0	708.0	659.0	614.0	555.0	509.0	11.5	602.4	23.9
Zacualpan de Amilpas	963.8	964.5	196.4	-0.3	4.0	0.20	981.0	825.0	715.0	602.0	441.0	309.0	21.1	503.3	35.4
Temoac	963.8	964.5	196.4	-0.3	4.0	0.20	981.0	825.0	715.0	602.0	441.0	309.0	21.1	503.3	35.4
Estatal	1040.4	1011.7	162.0	0.8	3.6	0.16	983.0	889.0	823.0	733.0	584.0	465.0	11.6	727.3	20.8

Tabla C.125. Características estadísticas de la lluvia anual de cada municipio del estado de Morelos.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Amacuzac	481.9	621.3	760.6	900.0	1039.3	1178.6	1318.0	1457.3	1596.7	1736.0	4.8	4.8	7.3	4.8	34.1	29.2	9.7	2.4	0.0	2.4
Atlaltlahuacan	468.8	593.1	717.4	841.7	966.0	1090.3	1214.6	1338.9	1463.2	1587.5	1.4	1.4	11.9	16.4	20.8	17.9	16.4	8.9	1.4	2.9
Axochiapan	184.5	304.5	424.6	544.6	664.6	784.6	904.6	1024.7	1144.7	1264.7	2.7	0.0	0.0	0.0	13.5	24.3	29.7	18.9	8.1	2.7
Ayala	624.8	700.3	775.7	851.1	926.6	1002.0	1077.4	1152.8	1228.3	1303.7	6.0	6.0	9.0	33.3	24.2	12.1	0.0	6.0	0.0	3.0
Coatlán del Río	617.5	716.5	815.6	914.7	1013.8	1112.8	1211.9	1311.0	1410.0	1509.1	3.4	10.3	17.2	6.8	31.0	13.7	6.8	6.8	0.0	3.4
Cuautla	625.3	697.0	768.6	840.2	911.9	983.5	1055.1	1126.7	1198.4	1270.0	2.5	2.5	7.5	25.0	25.0	22.5	5.0	5.0	0.0	5.0
Cuernavaca	714.4	838.5	962.5	1086.6	1210.6	1334.6	1458.7	1582.7	1706.8	1830.8	3.4	0.0	13.7	20.6	17.2	20.6	10.3	3.4	6.8	3.4
Emiliano Zapata	523.4	607.5	691.6	775.7	859.8	943.9	1028.0	1112.1	1196.2	1280.3	3.4	6.8	17.2	10.3	24.1	17.2	13.7	0.0	0.0	6.8
Huixtla	755.1	919.9	1084.6	1249.4	1414.1	1578.8	1743.6	1908.3	2073.1	2237.8	2.9	2.9	11.7	11.7	29.4	20.5	8.8	8.8	0.0	2.9
Jantetelco	672.9	722.2	771.4	820.7	869.9	919.1	968.4	1017.6	1066.9	1116.1	10.3	3.4	17.2	3.4	13.7	10.3	13.7	10.3	13.7	3.4
Jiutepec	701.7	792.8	883.9	975.0	1066.1	1157.1	1248.2	1339.3	1430.4	1521.5	13.7	6.8	14.1	13.7	20.6	10.3	3.4	0.0	0.0	6.8
Jojutla	624.8	698.1	771.4	844.7	917.9	991.2	1064.5	1137.8	1211.1	1284.4	6.6	13.3	10.0	10.0	26.6	10.0	10.0	0.0	0.0	3.3
Jonacatepec	672.9	722.2	771.4	820.7	869.9	919.1	968.4	1017.6	1066.9	1116.1	10.3	3.4	17.2	3.4	13.7	10.3	13.7	10.3	13.7	3.4
Mazatepec	617.5	716.5	815.6	914.7	1013.8	1112.8	1211.9	1311.0	1410.0	1509.1	3.4	10.3	17.2	6.8	31.0	13.7	6.8	6.8	0.0	3.4
Miacatlán	627.2	759.1	891.0	1022.9	1154.9	1286.8	1418.7	1550.6	1682.5	1814.4	1.6	4.9	3.1	24.5	14.7	16.3	13.1	3.2	3.2	4.9
Ocuituco	592.6	681.9	771.2	860.5	949.8	1039.2	1128.5	1217.8	1307.1	1396.4	6.8	0.0	6.8	10.3	17.2	17.2	27.5	6.8	3.4	3.4
Puente de Ixtla	622.0	701.3	780.5	859.8	939.1	1018.4	1097.7	1176.9	1256.2	1335.5	2.4	9.7	7.0	21.9	21.9	19.5	0.0	0.0	4.8	2.4
Temixco	423.5	513.5	603.6	693.6	783.7	873.8	963.8	1053.9	1143.9	1234.0	3.2	3.2	3.2	12.9	0.0	35.4	16.1	9.6	9.6	6.4
Tepalcingo	570.2	646.5	722.7	798.9	875.2	951.4	1027.6	1103.8	1180.1	1256.3	3.4	3.4	17.2	17.2	17.2	17.2	6.8	0.0	10.3	6.8
Tepoztlán	724.3	848.0	971.8	1095.6	1219.4	1343.1	1466.9	1590.7	1714.4	1838.2	2.9	0.0	1.7	11.7	20.5	20.5	14.7	11.7	2.9	2.9
Tetecala	617.5	716.5	815.6	914.7	1013.8	1112.8	1211.9	1311.0	1410.0	1509.1	3.4	10.3	17.2	6.8	31.0	13.7	6.8	6.8	0.0	3.4
Tetela del Volcán	592.6	681.9	771.2	860.5	949.8	1039.2	1128.5	1217.8	1307.1	1396.4	6.8	0.0	6.8	10.3	17.2	17.2	27.5	6.8	3.4	3.4
Tlalnepantla	468.8	593.1	717.4	841.7	966.0	1090.3	1214.6	1338.9	1463.2	1587.5	1.4	1.4	1.9	16.4	20.8	17.9	16.4	8.9	1.4	2.9
Tlaltzapán	660.9	739.4	817.9	896.4	974.9	1053.4	1131.9	1210.4	1288.9	1367.4	10.3	13.7	17.5	24.1	13.7	3.4	0.0	3.4	0.0	3.4
Tlaquiltenango	758.1	902.3	1046.5	1190.7	1335.0	1479.2	1623.4	1767.6	1911.8	2056.0	24.1	41.3	17.2	10.3	0.0	0.0	0.0	3.4	0.0	3.4
Tlayacapan	468.8	593.1	717.4	841.7	966.0	1090.3	1214.6	1338.9	1463.2	1587.5	1.4	1.4	1.9	16.4	20.8	17.9	16.4	8.9	1.4	2.9
Totolapan	468.8	593.1	717.4	841.7	966.0	1090.3	1214.6	1338.9	1463.2	1587.5	1.4	1.4	1.9	16.4	20.8	17.9	16.4	8.9	1.4	2.9
Xochitepec	660.9	739.4	817.9	896.4	974.9	1053.4	1131.9	1210.4	1288.9	1367.4	10.3	13.7	17.5	24.1	13.7	3.4	0.0	3.4	0.0	3.4
Yautepec	701.7	792.8	883.9	975.0	1066.1	1157.1	1248.2	1339.3	1430.4	1521.5	8.3	8.3	15.0	22.2	22.2	5.5	2.7	0.0	0.0	5.5
Yecapixtla	468.8	593.1	717.4	841.7	966.0	1090.3	1214.6	1338.9	1463.2	1587.5	1.4	1.4	1.9	16.4	20.8	17.9	16.4	8.9	1.4	2.9
Zacatepec de Hidalgo	650.0	697.5	745.1	792.7	840.2	887.8	935.4	983.0	1030.5	1078.1	8.6	4.3	17.3	17.3	13.0	8.6	8.6	13.0	4.3	4.3
Zacualpan de Amilpas	592.6	681.9	771.2	860.5	949.8	1039.2	1128.5	1217.8	1307.1	1396.4	6.8	0.0	6.8	10.3	17.2	17.2	27.5	6.8	3.4	3.4
Temoac	592.6	681.9	771.2	860.5	949.8	1039.2	1128.5	1217.8	1307.1	1396.4	6.8	0.0	6.8	10.3	17.2	17.2	27.5	6.8	3.4	3.4
Estatad	805.4	883.4	961.5	1039.5	1117.6	1195.7	1273.7	1351.8	1429.8	1507.9	2.9	8.9	26.8	16.4	13.4	16.4	5.9	2.9	4.4	1.4

Tabla C.126. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Morelos.

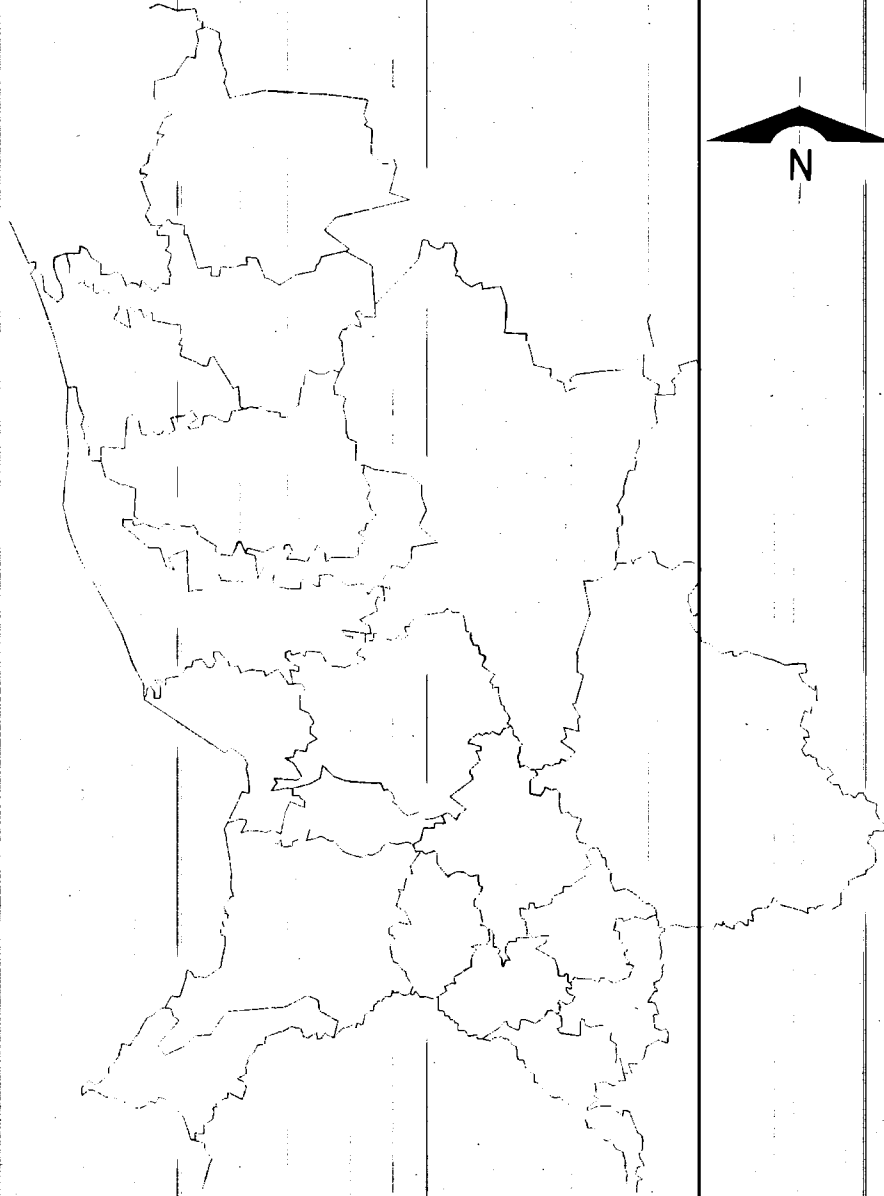
Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	Nuvia disponible			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c	Hp disp S(mm)			
Amacuzac	4.6	1.9	2.1	1.5	371.6	393.9	176.9	17.0	816.2	5.3	MUY SEVERA	
Atlatlahuacan	4.2	1.8	2.9	1.7	509.3	381.7	175.6	18.0	779.1	4.6	MUY SEVERA	
Axochiapan	3.8	2.3	1.8	1.5	251.8	262.8	139.8	17.0	676.5	5.3	SEVERA	
Ayala	2.7	0.9	1.6	0.7	154.8	100.4	96.7	11.0	762.2	5.0	SEVERA	
Coatlán del Río	5.0	2.2	1.9	0.8	375.7	197.6	197.7	20.0	745.3	6.7	SEVERA	
Cuautla	3.1	1.1	1.6	1.0	170.4	101.3	106.5	12.0	780.3	4.5	SEVERA	
Cuernavaca	3.2	0.8	1.7	0.6	314.8	202.9	185.1	15.0	1000.8	4.8	SEVERA	
Emiliano Zapata	3.8	1.2	1.8	1.1	236.5	245.0	131.3	16.0	683.7	4.5	SEVERA	
Huiztilac	3.2	1.3	1.6	0.6	401.8	336.4	251.1	18.0	1111.8	5.3	SEVERA	
Jantelco	3.0	1.0	1.5	0.6	166.1	84.8	110.7	12.0	765.2	4.5	SEVERA	
Jutepec	3.1	1.0	1.6	0.6	267.7	167.6	167.3	17.0	778.6	4.5	SEVERA	
Jojutla	3.3	0.9	1.6	0.9	204.6	156.0	127.8	15.0	697.9	5.0	SEVERA	
Jonacatepec	3.0	1.0	1.5	0.6	166.1	84.8	110.7	12.0	765.2	4.5	SEVERA	
Mazatepec	5.0	2.2	1.9	0.8	375.7	197.6	197.7	20.0	745.3	6.7	SEVERA	
Miacatlán	5.0	2.9	2.6	2.8	559.2	732.1	215.0	19.0	896.3	4.0	MUY SEVERA	
Ocuituco	3.1	1.1	1.5	0.9	243.9	143.5	162.6	16.0	801.2	5.8	SEVERA	
Puente de Ixtla	4.8	1.8	2.3	0.9	262.2	101.2	114.0	13.0	746.9	4.2	MUY SEVERA	
Temixco	3.2	1.3	1.6	1.0	213.1	197.6	133.1	15.0	721.1	7.5	SEVERA	
Tepalcingo	4.6	1.0	2.8	0.8	342.3	295.7	122.2	14.0	738.9	3.9	MUY SEVERA	
Tepoztlán	3.7	1.1	1.8	0.7	369.3	312.4	205.1	16.0	1035.3	5.3	SEVERA	
Tetecala	5.0	2.2	1.9	0.8	375.7	197.6	197.7	20.0	745.3	6.7	SEVERA	
Tetela del Volcán	3.1	1.1	1.5	0.9	243.9	143.5	162.6	16.0	801.2	5.8	SEVERA	
Tlahnepantla	4.2	1.8	2.9	1.7	509.3	381.7	175.6	18.0	779.1	4.6	MUY SEVERA	
Tlaltizapán	3.2	1.9	1.6	1.2	185.2	173.9	115.7	13.0	716.2	6.5	SEVERA	
Tlaquilténango	3.3	1.4	2.7	2.7	398.3	505.3	147.5	16.0	772.8	1.6	MUY SEVERA	
Tlayacapan	4.2	1.8	2.9	1.7	509.3	381.7	175.6	18.0	779.1	4.6	MUY SEVERA	
Totolapan	4.2	1.8	2.9	1.7	509.3	381.7	175.6	18.0	779.1	4.6	MUY SEVERA	
Xochitepec	3.2	1.9	1.6	1.2	185.2	173.9	115.7	13.0	716.2	6.5	SEVERA	
Yautepec	3.0	1.1	1.8	1.0	241.7	175.9	134.2	14.0	801.3	3.8	SEVERA	
Yecapixtla	4.2	1.8	2.9	1.7	509.3	381.7	175.6	18.0	779.1	4.6	MUY SEVERA	
Zacatepec de Hidalgo	3.0	0.7	1.6	0.6	148.5	78.8	92.8	11.0	727.7	3.9	SEVERA	
Zacualpan de Amilpas	3.1	1.1	1.5	0.9	243.9	143.5	162.6	16.0	801.2	5.8	SEVERA	
Temoac	3.1	1.1	1.5	0.9	243.9	143.5	162.6	16.0	801.2	5.8	SEVERA	
Estatal	4.6	2.3	3.8	3.0	435.6	414.0	114.6	11.0	925.8	3.3	EXTREMADAMENTE SEVERA	

Tabla C.127. Características de la sequía promedio de cada municipio del estado de Morelos.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I^*(mm/a\acute{o}o)$	respecto a X_0	$I^*(mm/a\acute{o}o)$	$D / m\acute{a}x(a\acute{o}s)$	respecto a X_0	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Amacuzac	1297.4	6.0	216.2	21.0	325.3	2.0	32.0	44.4	33.3	11.1	0.0	0.0	11.1	0.0	0.0	0.0	0.0
Atlatlahuacan	1273.0	6.0	212.1	22.0	510.7	2.0	53.0	25.0	33.3	0.0	25.0	0.0	16.6	0.0	0.0	0.0	0.0
Axochiapan	759.0	6.0	126.5	15.0	751.8	1.0	92.0	70.0	10.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
Ayala	341.8	3.0	113.9	13.0	163.5	1.0	19.0	54.5	27.2	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coatlán del Río	685.7	2.0	342.8	36.0	342.8	2.0	36.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cuautla	430.9	3.0	143.6	16.0	216.3	1.0	24.0	66.6	8.3	16.6	8.3	0.0	0.0	0.0	0.0	0.0	0.0
Cuernavaca	789.7	2.0	394.8	33.0	394.8	2.0	33.0	33.3	55.5	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Emiliano Zapata	750.1	3.0	250.0	30.0	250.0	3.0	30.0	62.5	0.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Huizilac	1143.8	2.0	571.9	41.0	571.9	2.0	41.0	50.0	40.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jantelco	290.4	2.0	145.2	16.0	236.8	1.0	27.0	60.0	30.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jiutespec	567.8	3.0	189.2	20.0	250.9	1.0	26.0	44.4	44.4	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jojutla	526.5	4.0	131.6	15.0	260.4	1.0	31.0	55.5	33.3	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Jonacatepec	290.4	2.0	145.2	16.0	236.8	1.0	27.0	60.0	30.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mazatepec	685.7	2.0	342.8	36.0	342.8	2.0	36.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Miacatlán	2606.8	11.0	236.9	21.0	310.6	5.0	27.0	58.3	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Ocuituco	506.1	4.0	126.5	13.0	460.5	1.0	47.0	66.6	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Puente de Ixtla	464.6	3.0	154.8	17.0	172.0	2.0	19.0	22.2	33.3	33.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Temixco	582.5	4.0	145.6	17.0	263.7	1.0	30.0	70.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Tepalcingo	930.9	4.0	232.7	27.0	232.7	4.0	27.0	16.6	0.0	66.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Tepoztlán	979.9	2.0	489.9	39.0	489.9	2.0	39.0	33.3	44.4	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tetecala	685.7	2.0	342.8	36.0	342.8	2.0	36.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tetela del Volcán	506.1	4.0	126.5	13.0	460.5	1.0	47.0	66.6	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Tlalnepantla	1273.0	6.0	212.1	22.0	510.7	2.0	53.0	25.0	33.3	0.0	25.0	0.0	16.6	0.0	0.0	0.0	0.0
Tlaltzapán	570.8	5.0	114.1	13.0	195.6	1.0	23.0	66.6	22.2	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0
Tlaquitenango	1615.1	9.0	179.4	19.0	306.4	1.0	33.0	57.1	0.0	28.5	0.0	0.0	0.0	0.0	0.0	14.2	0.0
Tlayacapan	1273.0	6.0	212.1	22.0	510.7	2.0	53.0	25.0	33.3	0.0	25.0	0.0	16.6	0.0	0.0	0.0	0.0
Totolapan	1273.0	6.0	212.1	22.0	510.7	2.0	53.0	25.0	33.3	0.0	25.0	0.0	16.6	0.0	0.0	0.0	0.0
Xochitepec	570.8	5.0	114.1	13.0	195.6	1.0	23.0	66.6	22.2	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0
Yautepec	536.6	3.0	178.8	19.0	240.5	1.0	25.0	54.5	18.1	18.1	9.0	0.0	0.0	0.0	0.0	0.0	0.0
Yecapixtla	1273.0	6.0	212.1	22.0	510.7	2.0	53.0	25.0	33.3	0.0	25.0	0.0	16.6	0.0	0.0	0.0	0.0
Zacatepec de H.	246.9	3.0	82.3	10.0	218.1	1.0	26.0	50.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zacualpan de A.	506.1	4.0	126.5	13.0	460.5	1.0	47.0	66.6	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Temoac	506.1	4.0	126.5	13.0	460.5	1.0	47.0	66.6	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Estatad	1303.0	9.0	144.7	13.0	192.1	1.0	18.0	40.0	10.0	10.0	0.0	10.0	0.0	10.0	10.0	10.0	0.0

Tabla C.128. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Morelos.

NAYARIT



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de					retorno (Tr)	Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv	Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _o (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp mín(mm)	Hp mín
HA18001	1328.8	1262.0	246.8	0.5	3.1	0.19	1269.0	1105.0	1022.0	939.0	819.0	714.0	6.4	971.7	15.3
HA18002	849.4	835.3	139.0	1.0	6.0	0.16	848.0	734.0	658.0	583.0	482.0	401.0	8.7	591.5	18.5
HA18004	1458.9	1447.2	253.1	0.2	3.3	0.17	1456.0	1257.0	1131.0	1011.0	855.0	738.0	16.2	942.3	29.9
HA18005	1201.1	1241.6	312.6	-0.8	5.2	0.26	1228.0	1029.0	886.0	730.0	501.0	316.0	59.2	306.6	103.3
HA18006	928.3	913.0	177.1	0.6	3.1	0.19	895.0	784.0	717.0	653.0	569.0	504.0	8.3	668.5	17.0
HA18007	1243.8	1175.2	302.0	0.3	2.7	0.24	1163.0	963.0	867.0	776.0	651.0	551.0	6.3	821.5	14.1
HA18008	778.3	783.4	195.9	0.0	5.1	0.25	790.0	621.0	509.0	399.0	252.0	137.0	25.8	252.4	49.8
HA18010	1145.8	1189.4	297.1	-2.0	10.1	0.26	1260.0	949.0	760.0	582.0	354.0	183.0	44.4	254.2	74.9
HA18012	1308.1	1163.0	456.9	0.5	2.9	0.35	1153.0	950.0	838.0	732.0	592.0	483.0	42.7	442.9	128.3
HA18013	877.3	877.0	252.9	-0.8	5.2	0.29	898.0	696.0	567.0	444.0	285.0	166.0	62.4	129.5	124.0
HA18014	703.0	743.4	175.2	-1.5	7.1	0.25	747.0	588.0	476.0	371.0	236.0	135.0	33.2	227.0	53.0
HA18016	824.7	803.2	147.6	-0.1	3.0	0.18	826.0	721.0	656.0	595.0	516.0	457.0	49.5	451.4	107.3
HA18017	1239.6	1124.4	471.3	0.8	3.5	0.38	1065.0	841.0	716.0	552.0	216.0	0.0	9.7	549.6	20.2
HA18019	1399.8	1353.0	315.8	0.4	3.8	0.23	1392.0	1154.0	999.0	848.0	643.0	482.0	15.0	756.3	30.2
HA18021	1485.1	1460.3	346.0	0.5	4.0	0.23	1494.0	1236.0	1068.0	908.0	701.0	545.0	8.4	958.0	16.1
HA18022	1112.0	1064.2	320.7	0.7	3.8	0.29	1047.0	857.0	739.0	621.0	453.0	309.0	9.7	623.5	19.8
HA18023	1243.1	1248.7	328.7	-1.4	9.2	0.26	1288.0	1068.0	912.0	748.0	500.0	281.0	98.9	104.6	165.0
HA18024	1269.9	1321.8	331.3	-0.2	3.0	0.26	1298.0	962.0	842.0	735.0	599.0	496.0	15.1	661.8	32.6
HA18027	1092.2	1076.8	258.9	-0.6	3.7	0.24	1105.0	863.0	735.0	616.0	465.0	352.0	13.7	599.8	22.0
HA18028	1292.3	1323.9	357.1	-0.1	3.5	0.28	1316.0	1032.0	845.0	664.0	428.0	248.0	18.1	538.3	32.6
HA18029	1406.0	1433.5	308.3	-0.2	2.5	0.22	1441.0	1072.0	922.0	790.0	620.0	488.0	8.3	848.5	14.7
HA18030	961.8	953.8	239.5	0.4	2.9	0.25	956.0	712.0	663.0	604.0	474.0	342.0	4.5	634.0	14.5
HA18031	779.5	788.1	242.2	-0.5	3.3	0.31	601.2	387.1	245.3	109.3	0.0	0.0	6.3	246.7	9.9
HA18032	1513.6	1559.1	317.1	-0.1	2.7	0.21	1535.0	1221.0	1095.0	979.0	826.0	708.0	12.0	940.5	25.2
HA18034	1265.3	1236.9	433.1	1.4	7.7	0.34	1249.0	960.0	765.0	571.0	303.0	80.0	16.4	400.3	36.2
HA18036	897.4	897.4	330.6	0.2	3.8	0.37	878.0	660.0	518.0	375.0	174.0	10.0	17.3	266.5	33.1
HA18037	1388.9	1446.6	358.0	0.0	3.0	0.26	1438.0	1010.0	903.0	792.0	608.0	433.0	10.6	756.4	24.5
HA18038	1187.7	1174.7	222.0	-0.2	4.0	0.19	1176.0	1051.0	955.0	833.0	646.0	499.0	27.1	670.3	44.5
HA18040	1204.6	1174.9	262.7	2.2	10.0	0.22	1183.0	1034.0	937.0	845.0	725.0	635.0	9.7	805.0	27.1
HA18041	1117.6	1138.5	273.7	-0.4	3.3	0.24	1140.0	883.0	767.0	661.0	525.0	422.0	41.2	433.0	92.6
HA18042	991.8	1020.0	315.4	-0.4	3.4	0.32	1006.0	750.0	592.0	444.0	253.0	110.0	25.6	268.4	46.3
HA18043	1298.0	1298.0	366.3	-0.5	3.7	0.28	1301.0	1018.0	849.0	691.0	488.0	336.0	38.3	398.4	75.2
HA18044	654.7	708.8	222.9	-1.0	6.0	0.34	490.7	293.7	163.2	38.1	0.0	0.0	10.5	63.1	17.4
HA18045	1000.4	916.2	277.4	0.9	4.7	0.28	916.0	781.0	688.0	577.0	375.0	190.0	10.0	576.6	20.1
HA18063	660.9	674.1	201.5	-1.0	6.5	0.30	512.6	334.5	216.6	103.5	0.0	0.0	10.3	125.7	17.4
HA18069	1279.4	1279.0	294.8	-0.2	3.8	0.23	1256.0	1093.0	997.0	907.0	793.0	707.0	33.3	748.7	71.2
HA18070	1085.5	1001.8	298.3	0.8	3.8	0.27	1009.0	865.0	776.0	693.0	586.0	506.0	7.6	719.7	16.0

Tabla C.129. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Nayarit.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA18001	1074.8	1177.8	1280.9	1383.9	1487.0	1590.0	1693.1	1796.1	1899.2	2002.2	17.7	11.1	22.2	6.6	13.3	13.3	11.1	0.0	2.2	2.2
HA18002	673.0	754.4	835.9	917.3	998.8	1080.2	1161.7	1243.1	1324.6	1406.0	7.5	15.6	25.7	21.2	16.6	6.0	4.5	0.0	0.0	1.5
HA18004	1047.1	1151.8	1256.6	1361.4	1466.2	1570.9	1675.7	1780.5	1885.2	1990.0	5.8	0.0	20.5	8.8	17.6	14.7	14.7	5.8	2.9	8.8
HA18005	456.5	606.3	756.2	906.1	1056.0	1205.8	1355.7	1505.6	1655.4	1805.3	3.5	3.5	0.0	7.1	10.7	21.4	25.0	14.2	10.7	3.5
HA18006	735.0	801.5	868.0	934.5	1001.0	1067.5	1134.0	1200.5	1267.0	1333.5	17.2	3.4	20.6	20.6	6.8	6.8	10.3	3.4	3.4	6.8
HA18007	930.8	1040.0	1149.3	1258.6	1367.9	1477.1	1586.4	1695.7	1804.9	1914.2	16.6	15.6	12.5	8.3	4.1	4.1	29.1	4.1	0.0	4.1
HA18008	358.1	463.8	569.4	675.1	780.8	886.5	992.2	1097.8	1203.5	1309.2	3.1	0.0	6.2	18.7	21.8	21.8	18.7	6.2	0.0	3.1
HA18010	382.9	511.5	640.2	768.8	897.4	1026.1	1154.8	1283.4	1412.1	1540.7	6.6	0.0	0.0	0.0	0.0	13.3	20.0	13.3	40.0	6.6
HA18012	616.6	790.4	964.1	1137.9	1311.6	1485.3	1659.1	1832.8	2006.6	2180.3	3.8	0.0	15.3	23.0	19.2	3.8	15.3	0.0	7.6	11.5
HA18013	247.2	364.9	482.6	600.3	718.0	835.7	953.4	1071.1	1188.8	1306.5	3.5	0.0	0.0	7.1	10.7	14.2	25.0	17.8	14.2	7.1
HA18014	295.3	363.6	431.9	500.2	568.5	636.8	705.1	773.4	841.7	910.0	6.6	0.0	0.0	0.0	20.0	0.0	13.3	20.0	26.6	13.3
HA18016	516.9	582.4	648.0	713.5	779.0	844.5	910.0	975.6	1041.1	1106.6	2.1	2.1	6.3	12.7	12.7	23.4	14.8	4.2	14.8	6.3
HA18017	722.2	894.8	1067.4	1240.0	1412.6	1585.1	1757.7	1930.3	2102.9	2275.5	8.3	15.6	20.8	8.3	16.6	4.1	12.5	0.0	4.1	8.3
HA18019	910.0	1063.6	1217.3	1371.0	1524.7	1678.3	1832.0	1985.7	2139.3	2293.0	6.3	4.2	17.0	25.5	14.8	17.0	4.2	8.5	0.0	2.1
HA18021	1109.5	1260.9	1412.4	1563.9	1715.4	1866.8	2018.3	2169.8	2321.2	2472.7	19.4	8.3	8.3	25.0	13.8	16.6	0.0	5.5	0.0	2.7
HA18022	744.3	865.1	985.9	1106.7	1227.6	1348.4	1469.2	1590.0	1710.8	1831.6	9.0	9.0	22.7	18.1	9.0	13.6	4.5	0.0	9.0	4.5
HA18023	284.4	464.2	644.0	823.8	1003.6	1183.3	1363.1	1542.9	1722.7	1902.5	4.0	0.0	0.0	0.0	8.0	28.0	16.0	36.0	4.0	4.0
HA18024	777.6	893.5	1009.3	1125.2	1241.0	1356.8	1472.7	1588.5	1704.4	1820.2	6.2	12.5	6.2	12.5	6.2	6.2	12.5	25.0	6.2	6.2
HA18027	680.1	760.3	840.6	920.8	1001.1	1081.3	1161.6	1241.8	1322.1	1402.3	14.2	0.0	0.0	7.1	14.2	14.2	7.1	0.0	14.2	28.5
HA18028	690.9	843.5	996.0	1148.6	1301.2	1453.8	1606.4	1758.9	1911.5	2064.1	5.8	8.8	5.8	8.8	17.6	23.5	8.8	14.7	0.0	5.8
HA18029	958.2	1067.9	1177.6	1287.3	1397.0	1506.7	1616.4	1726.1	1835.8	1945.5	11.1	7.4	7.4	7.4	14.8	7.4	14.8	14.8	11.1	3.7
HA18030	718.9	803.7	888.6	973.5	1058.4	1143.2	1228.1	1313.0	1397.8	1482.7	22.7	13.6	9.0	4.5	9.0	22.7	4.5	4.5	4.5	4.5
HA18031	337.2	427.7	518.2	608.7	699.2	789.6	880.1	970.6	1061.1	1151.6	4.0	8.0	8.0	0.0	8.0	24.0	16.0	8.0	12.0	12.0
HA18032	1063.4	1186.3	1309.3	1432.2	1555.1	1678.0	1800.9	1923.9	2046.8	2169.7	9.3	6.2	15.6	12.5	6.2	12.5	18.7	9.3	6.2	3.1
HA18034	627.3	854.3	1081.3	1308.3	1535.4	1762.4	1989.4	2216.4	2443.4	2670.4	5.0	5.0	20.0	27.5	25.0	10.0	0.0	0.0	0.0	5.0
HA18036	405.2	543.9	682.6	821.3	960.0	1098.7	1237.4	1376.1	1514.8	1653.5	8.3	8.3	4.1	16.6	25.0	12.5	8.3	8.3	4.1	4.1
HA18037	894.1	1031.8	1169.5	1307.2	1445.0	1582.7	1720.4	1858.1	1995.8	2133.5	8.3	12.5	12.5	4.1	8.3	29.1	8.3	8.3	4.1	4.1
HA18038	773.3	876.3	979.3	1082.3	1185.4	1288.4	1391.4	1494.4	1597.4	1700.4	5.5	2.7	2.7	16.6	25.0	16.6	11.1	13.8	2.7	2.7
HA18040	941.0	1076.9	1212.9	1348.8	1484.8	1620.7	1756.7	1892.6	2028.6	2164.5	8.8	17.6	35.2	23.5	8.8	0.0	0.0	0.0	2.9	2.9
HA18041	553.2	673.3	793.4	913.6	1033.8	1153.9	1274.1	1394.2	1514.4	1634.5	3.1	0.0	12.5	9.3	12.5	12.5	18.7	15.6	9.3	6.2
HA18042	392.3	516.2	640.1	764.0	887.8	1011.7	1135.6	1259.5	1383.4	1507.3	4.0	8.0	0.0	12.0	12.0	12.0	20.0	12.0	8.0	12.0
HA18043	546.2	694.1	841.9	989.7	1137.6	1285.4	1433.2	1581.0	1728.9	1876.7	6.8	0.0	3.4	6.8	17.2	13.7	13.7	10.3	13.7	13.7
HA18044	154.6	246.2	337.7	429.2	520.8	612.3	703.8	795.3	886.9	978.4	5.8	0.0	0.0	5.8	17.6	0.0	17.6	35.2	5.8	11.7
HA18045	688.7	800.7	912.8	1024.9	1137.0	1249.0	1361.1	1473.2	1585.2	1697.3	10.5	10.5	26.3	15.7	5.2	10.5	10.5	5.2	0.0	5.2
HA18063	211.6	297.4	383.3	469.1	555.0	640.8	726.7	812.5	898.4	984.2	6.2	0.0	0.0	6.2	18.7	6.2	25.0	25.0	0.0	12.5
HA18069	843.2	937.7	1032.2	1126.7	1221.2	1315.6	1410.1	1504.6	1599.1	1693.6	15.3	0.0	0.0	7.6	15.3	23.0	7.6	7.6	0.0	23.0
HA18070	810.6	901.4	992.3	1083.1	1174.0	1264.9	1355.7	1446.6	1537.4	1628.3	16.6	16.6	16.6	16.6	8.3	0.0	0.0	0.0	16.6	8.3

Tabla C.130. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Nayarit.

Estación	Características promedio de la sequía meteorológica										Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS	lluvia disponible			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s	Hp disp S(mm)			
HA18001	3.5	0.9	2.0	1.0	386.3	246.3	193.1	14.0	1135.6	4.0	MUY SEVERA	
HA18002	3.0	1.8	1.6	1.1	158.1	102.8	98.8	11.0	750.5	4.3	SEVERA	
HA18004	5.3	2.1	2.5	1.7	481.6	510.3	192.6	13.0	1266.2	4.8	MUY SEVERA	
HA18005	4.3	1.3	1.8	1.1	452.6	624.8	251.4	20.0	949.6	7.4	SEVERA	
HA18006	6.0	1.8	3.5	2.0	410.0	247.1	117.1	12.0	811.1	3.8	EXTREMADAMENTE SEVERA	
HA18007	3.0	1.2	2.1	1.6	530.1	510.8	252.4	20.0	991.3	4.2	MUY SEVERA	
HA18008	5.0	2.7	2.6	2.2	388.9	413.0	149.5	19.0	628.7	4.8	MUY SEVERA	
HA18010	3.5	1.5	2.0	1.4	493.9	621.0	246.9	21.0	898.9	6.0	MUY VASTA	
HA18012	3.3	0.4	2.6	2.8	830.3	929.2	319.3	24.0	988.8	4.0	MUY VASTA	
HA18013	3.7	1.6	1.8	1.6	324.6	275.6	180.3	20.0	697.0	5.0	SEVERA	
HA18014	3.5	0.5	2.0	0.8	322.8	318.8	161.3	22.0	541.7	6.6	MUY VASTA	
HA18016	3.1	1.0	1.7	1.1	197.5	136.9	116.1	14.0	708.5	5.7	SEVERA	
HA18017	3.7	1.9	2.6	2.7	902.6	1045.2	347.1	27.0	892.5	3.7	MUY VASTA	
HA18019	4.5	1.8	2.5	1.9	567.6	574.2	227.0	16.0	1172.7	4.6	MUY SEVERA	
HA18021	4.8	3.3	2.3	2.5	602.2	706.0	261.8	17.0	1223.2	5.3	MUY SEVERA	
HA18022	3.5	1.2	2.1	1.3	455.8	378.1	217.0	19.0	895.0	4.0	MUY SEVERA	
HA18023	3.5	1.2	1.7	1.0	403.3	524.1	237.2	19.0	1005.8	6.6	SEVERA	
HA18024	3.5	1.1	1.5	0.8	449.2	424.9	299.4	23.0	970.4	4.8	VASTA	
HA18027	3.0	0.7	1.3	0.8	290.0	147.4	223.0	20.0	869.2	4.9	SEVERA	
HA18028	3.6	2.4	1.6	1.2	507.6	679.9	317.2	24.0	975.1	6.1	VASTA	
HA18029	3.5	1.2	1.6	0.6	433.1	272.4	270.6	19.0	1135.4	4.0	SEVERA	
HA18030	2.4	0.4	1.3	0.6	284.3	191.8	218.6	22.0	743.1	3.4	VASTA	
HA18031	3.4	1.0	1.5	1.0	288.7	291.3	192.4	24.0	587.0	2.1	VASTA	
HA18032	3.5	1.3	1.6	0.9	475.5	384.6	297.1	19.0	1216.4	5.1	SEVERA	
HA18034	3.8	1.4	1.9	1.1	526.7	492.8	277.2	21.0	988.1	4.5	VASTA	
HA18036	2.9	1.3	1.5	0.7	362.0	428.2	241.3	26.0	656.0	5.1	VASTA	
HA18037	5.3	1.2	2.5	2.0	864.6	564.5	345.8	24.0	1043.1	4.2	MUY VASTA	
HA18038	3.8	1.7	2.3	1.8	375.1	295.5	163.0	13.0	1024.6	6.1	MUY SEVERA	
HA18040	3.6	0.9	2.2	1.0	314.8	182.7	143.0	11.0	1061.5	4.2	MUY SEVERA	
HA18041	4.5	1.8	2.1	1.3	511.7	379.6	243.6	21.0	874.0	5.3	MUY VASTA	
HA18042	2.9	1.0	1.5	0.7	390.7	319.4	260.4	26.0	731.4	5.4	VASTA	
HA18043	3.5	1.1	1.7	1.0	508.5	494.8	299.1	23.0	998.8	5.4	VASTA	
HA18044	3.1	0.9	1.3	0.7	230.8	172.8	177.5	27.0	477.2	2.1	VASTA	
HA18045	4.6	2.0	3.0	1.5	515.1	464.8	171.6	17.0	828.8	3.5	EXTREMADAMENTE SEVERA	
HA18063	4.3	0.4	2.0	0.7	285.8	257.5	142.8	21.0	518.0	2.0	MUY VASTA	
HA18069	3.0	0.8	2.0	0.7	357.4	235.3	178.6	13.0	1100.7	4.7	MUY SEVERA	
HA18070	2.7	0.8	1.5	0.8	281.1	222.8	187.3	17.0	898.2	3.9	SEVERA	

Tabla C.131. Características de la sequía promedio de cada estación climatológica del estado de Nayarit.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_0	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_0	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA18001	1028.1	5.0	205.6	15.0	340.5	1.0	25.0	33.3	50.0	8.3	0.0	8.3	0.0	0.0	0.0	0.0	0.0
HA18002	351.4	3.0	117.1	13.0	257.8	1.0	30.0	63.6	18.1	13.6	0.0	0.0	4.5	0.0	0.0	0.0	0.0
HA18004	1678.8	6.0	279.8	19.0	306.7	1.0	21.0	42.8	14.2	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0
HA18005	1905.3	4.0	476.3	39.0	476.3	4.0	39.0	57.1	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA18006	779.4	7.0	111.3	11.0	137.5	2.0	14.0	0.0	60.0	0.0	0.0	20.0	0.0	20.0	0.0	0.0	0.0
HA18007	1531.3	5.0	306.2	24.0	369.5	1.0	29.0	66.6	0.0	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0
HA18008	1015.1	7.0	145.0	18.0	230.0	4.0	29.0	50.0	16.6	0.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0
HA18010	1371.5	4.0	342.8	29.0	342.8	4.0	29.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA18012	2809.5	9.0	312.1	23.0	491.0	2.0	37.0	50.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0
HA18013	767.6	2.0	383.8	43.0	383.8	2.0	43.0	62.5	25.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
HA18014	767.4	3.0	255.8	36.0	255.8	3.0	36.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA18016	613.3	4.0	153.3	18.0	275.3	1.0	33.0	64.2	7.1	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA18017	2954.2	8.0	369.2	29.0	388.3	2.0	31.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
HA18019	2057.6	7.0	293.9	20.0	350.8	2.0	25.0	40.0	30.0	10.0	0.0	10.0	0.0	10.0	0.0	0.0	0.0
HA18021	2271.1	9.0	252.3	16.0	397.9	1.0	26.0	62.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	12.5	0.0
HA18022	970.6	4.0	242.6	21.0	392.6	2.0	35.0	50.0	16.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA18023	1662.8	4.0	415.7	33.0	415.7	4.0	33.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA18024	1275.9	3.0	425.3	33.0	425.3	3.0	33.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA18027	492.4	1.0	492.4	45.0	492.4	1.0	45.0	80.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA18028	2310.3	5.0	462.0	35.0	483.1	1.0	37.0	66.6	22.2	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0
HA18029	1022.0	2.0	511.0	36.0	511.0	2.0	36.0	50.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA18030	712.1	3.0	237.3	24.0	327.7	1.0	34.0	75.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA18031	964.5	4.0	241.1	30.0	389.9	1.0	50.0	75.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA18032	1465.6	4.0	366.4	24.0	535.1	1.0	35.0	55.5	33.3	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA18034	1516.8	4.0	379.2	29.0	405.7	1.0	32.0	54.5	18.1	9.0	18.1	0.0	0.0	0.0	0.0	0.0	0.0
HA18036	1356.0	3.0	452.0	50.0	452.0	3.0	50.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA18037	1757.7	6.0	292.9	21.0	470.1	2.0	33.0	50.0	25.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
HA18038	830.5	4.0	207.6	17.0	517.3	1.0	43.0	62.5	0.0	0.0	25.0	0.0	12.5	0.0	0.0	0.0	0.0
HA18040	639.3	3.0	213.1	17.0	244.3	1.0	20.0	33.3	22.2	33.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA18041	1023.1	5.0	204.6	18.0	342.1	2.0	30.0	42.8	28.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA18042	1096.0	3.0	365.3	36.0	502.5	1.0	50.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA18043	1497.1	3.0	499.0	38.0	753.3	1.0	58.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA18044	591.6	1.0	591.6	90.0	591.6	1.0	90.0	83.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA18045	1245.9	5.0	249.1	24.0	249.1	5.0	24.0	25.0	25.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0
HA18063	731.3	2.0	365.6	55.0	365.6	2.0	55.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA18069	626.2	2.0	313.1	24.0	530.6	1.0	41.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA18070	641.5	3.0	213.8	19.0	221.2	1.0	20.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.132. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Nayarit.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _p (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
Acaponeta	1228.6	1195.4	237.0	0.6	4.7	0.19	1208.0	1045.0	931.0	807.0	614.0	446.0	13.2	758.7	25.6
Ahuacatlán	939.6	913.8	189.7	1.0	5.7	0.20	939.0	789.0	688.0	587.0	447.0	330.0	9.8	591.5	19.4
Amatlán de Cañas	822.2	810.3	128.3	0.4	3.1	0.16	806.0	718.0	663.0	607.0	531.0	469.0	20.0	546.2	41.8
Compostela	1197.8	1244.5	277.7	-0.3	2.3	0.23	1218.0	979.0	827.0	683.0	496.0	357.0	14.5	653.7	23.0
Huajicori	1288.2	1201.6	342.4	0.6	2.8	0.27	1036.2	733.4	533.0	340.7	91.9	0.0	2.4	852.0	3.4
Ixtlán del Rio	837.5	828.8	121.0	0.4	3.0	0.14	822.0	742.0	693.0	645.0	580.0	527.0	13.3	619.4	28.7
Jala	899.3	878.7	153.0	0.7	4.5	0.17	922.0	799.0	718.0	640.0	540.0	464.0	12.2	619.4	24.1
Xalisco	1054.2	1055.2	252.2	-1.0	6.1	0.24	1069.0	902.0	780.0	647.0	456.0	304.0	96.7	179.4	173.8
Nayar, El	795.5	794.9	150.4	-0.4	5.2	0.19	792.0	689.0	618.0	543.0	435.0	346.0	57.7	341.3	103.4
Rosamorada	1249.3	1270.6	340.9	0.3	3.9	0.27	1227.0	989.0	829.0	668.0	441.0	254.0	18.2	538.3	34.1
Ruiz	1283.3	1266.6	245.8	0.2	2.8	0.19	1263.0	1048.0	925.0	806.0	647.0	523.0	7.1	879.5	13.0
San Blas	1327.7	1306.2	321.8	0.7	4.0	0.24	1297.0	1068.0	918.0	769.0	564.0	396.0	10.4	756.3	21.2
San Pedro Lagunillas	1216.0	1207.3	257.3	0.5	6.4	0.21	1211.0	1050.0	935.0	808.0	596.0	384.0	37.7	522.4	64.8
Santa María del Oro	1202.8	1235.4	292.2	-0.9	6.4	0.24	1229.0	1029.0	876.0	704.0	447.0	236.0	52.3	280.4	86.7
Santiago Ixcuintla	1286.1	1301.6	265.3	0.0	2.7	0.21	1290.0	1070.0	930.0	796.0	620.0	486.0	13.8	764.7	23.5
Tecuala	1232.8	1212.5	251.5	0.4	4.6	0.20	1202.0	1011.0	875.0	724.0	495.0	307.0	13.5	677.3	24.3
Tepic	1302.0	1308.5	245.7	0.1	4.2	0.19	1309.0	1123.0	999.0	878.0	713.0	583.0	23.0	734.3	44.5
Tuxpan	1231.0	1230.2	267.0	0.1	2.8	0.22	1202.0	978.0	870.0	753.0	570.0	414.0	16.2	667.0	31.3
Yesca, La	883.4	887.8	193.6	-0.2	4.1	0.22	898.0	737.0	624.0	507.0	339.0	201.0	29.0	339.9	49.8
Bahía de Banderas	973.6	1004.6	264.2	0.1	2.6	0.27	989.0	702.0	644.0	565.0	392.0	242.0	13.8	512.9	27.5
Estatad	1042.8	1051.1	217.1	0.2	3.5	0.21	1072.0	894.0	759.0	609.0	388.0	210.0	11.5	619.4	19.1

Tabla C.133. Características estadísticas de la lluvia anual de cada municipio del estado de Nayarit.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Acaponeta	883.1	1007.4	1131.8	1256.1	1380.5	1504.8	1629.2	1753.5	1877.8	2002.2	4.4	13.3	17.7	20.0	22.2	13.3	4.4	2.2	0.0	2.2
Ahuacatlán	691.0	790.5	890.0	989.5	1089.0	1188.5	1288.0	1387.5	1487.0	1586.5	7.5	12.1	24.2	21.2	18.1	12.1	0.0	0.0	1.5	3.0
Amatlán de Cañas	607.2	668.1	729.1	790.0	851.0	911.9	972.9	1033.8	1094.8	1155.7	1.5	10.6	13.6	13.6	27.2	10.6	10.6	3.0	7.5	1.5
Compostela	749.4	845.1	940.8	1036.5	1132.2	1227.8	1323.5	1419.2	1514.9	1610.6	6.9	4.6	13.9	2.3	9.3	11.6	13.9	13.9	6.9	16.2
Huajicori	972.9	1093.9	1214.8	1335.7	1456.7	1577.6	1698.5	1819.4	1940.4	2061.3	19.2	19.2	11.5	3.8	11.5	15.3	3.8	7.6	3.8	3.8
Ixtlán del Rio	673.0	726.7	780.3	833.9	887.6	941.2	994.8	1048.4	1102.1	1155.7	9.0	10.6	10.6	25.7	15.1	7.5	10.6	4.5	4.5	1.5
Jala	695.7	772.1	848.4	924.7	1001.1	1077.4	1153.7	1230.0	1306.4	1382.7	7.5	10.6	22.7	18.1	18.1	12.1	6.0	1.5	0.0	3.0
Xalisco	311.1	442.8	574.5	706.2	838.0	969.7	1101.4	1233.1	1364.8	1496.5	2.6	0.0	0.0	2.6	10.5	13.1	26.3	26.3	2.6	15.7
Nayar, El	416.9	492.5	568.1	643.7	719.4	795.0	870.6	946.2	1021.8	1097.4	3.1	0.0	0.0	6.2	18.7	21.8	21.8	12.5	9.3	6.2
Rosamorada	690.9	843.5	996.0	1148.6	1301.2	1453.8	1606.4	1758.9	1911.5	2064.1	5.8	5.8	8.8	11.7	26.4	23.5	0.0	11.7	0.0	5.8
Ruiz	984.3	1089.1	1193.8	1298.6	1403.4	1508.2	1613.0	1717.7	1822.5	1927.3	13.0	13.0	13.0	15.2	10.8	15.2	13.0	4.3	0.0	2.1
San Blas	910.0	1063.6	1217.3	1371.0	1524.7	1678.3	1832.0	1985.7	2139.3	2293.0	8.5	12.7	19.1	21.2	14.8	8.5	6.3	6.3	0.0	2.1
San Pedro Lagunillas	688.4	814.4	960.4	1106.4	1252.4	1398.3	1544.3	1690.3	1836.3	1982.3	2.8	0.0	8.5	17.1	31.4	25.7	5.7	2.8	2.8	2.8
Santa María del Oro	432.9	585.4	737.9	890.4	1042.9	1195.3	1347.8	1500.3	1652.8	1805.3	3.5	0.0	0.0	7.1	14.2	14.2	35.7	14.2	7.1	3.5
Santiago Ixcuintla	867.8	970.9	1074.0	1177.1	1280.3	1383.4	1486.5	1589.6	1692.7	1795.8	7.5	2.5	17.5	10.0	10.0	15.0	17.5	7.5	2.5	10.0
Tecuala	812.9	948.5	1084.1	1219.7	1355.3	1490.8	1626.4	1762.0	1897.6	2033.2	4.4	2.2	20.0	24.4	15.5	24.4	4.4	2.2	0.0	2.2
Tepic	853.2	972.1	1091.0	1209.9	1328.8	1447.7	1566.6	1685.5	1804.4	1923.3	4.1	6.2	4.1	18.7	20.8	22.9	10.4	8.3	0.0	4.1
Tuxpan	790.5	914.0	1037.5	1161.0	1284.6	1408.1	1531.6	1655.1	1778.6	1902.1	4.3	6.5	17.3	15.2	13.0	15.2	13.0	13.0	0.0	2.1
Yesca, La	440.6	541.2	641.9	742.6	843.2	943.9	1044.6	1145.3	1245.9	1346.6	2.0	2.0	2.0	12.2	24.4	16.3	24.4	10.2	2.0	4.0
Bahía de Banderas	612.3	711.8	811.2	910.7	1010.1	1109.5	1209.0	1308.4	1407.9	1507.3	6.2	15.6	12.5	3.1	15.6	18.7	6.2	12.5	3.1	6.2
Estatad	730.5	841.6	952.7	1063.8	1174.9	1285.9	1397.0	1508.1	1619.2	1730.3	8.9	10.4	19.4	14.9	14.9	20.8	7.4	1.4	0.0	1.4

Tabla C.134. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Nayarit.

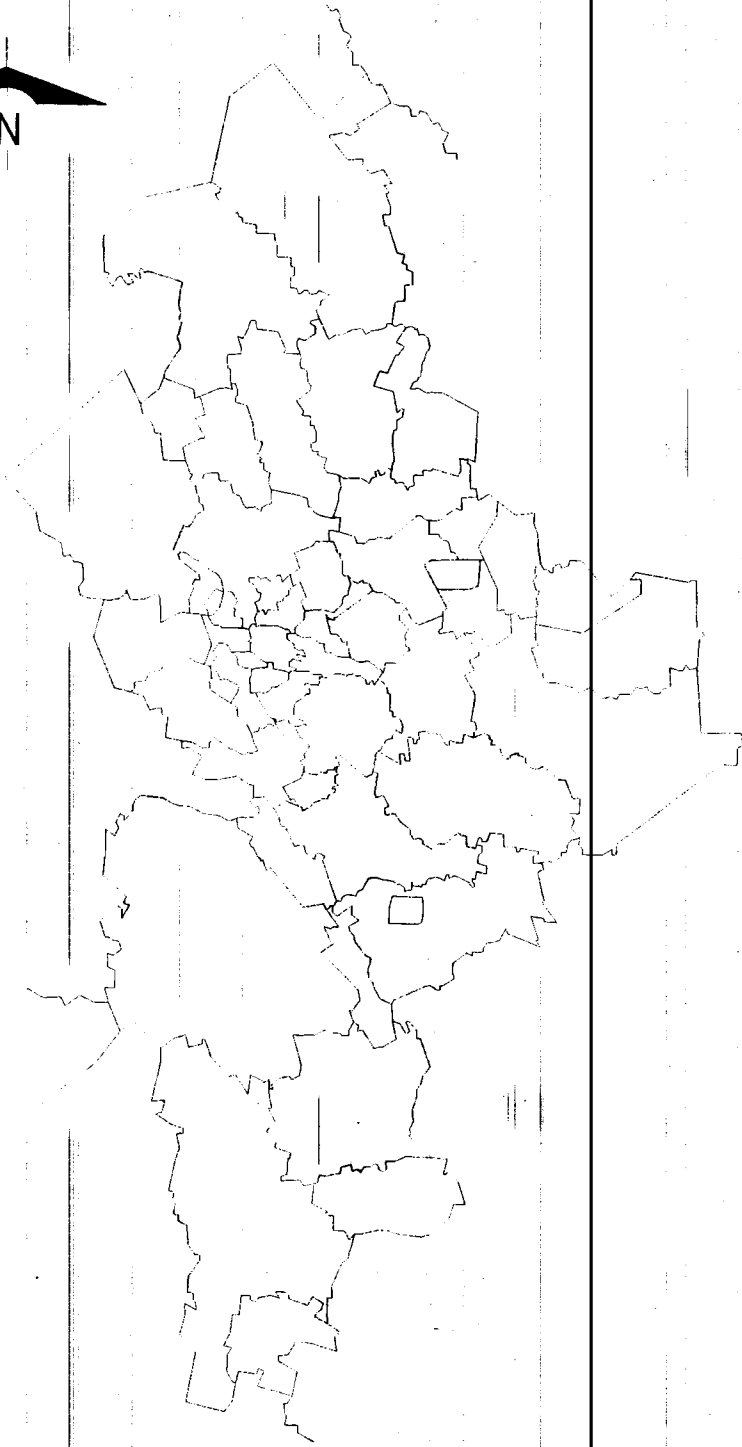
Municipio	Características promedio de la sequía meteorológica municipal											Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS	Hvía disponible	Hp disp	Hp disp S		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c	Hp disp (mm)	Hp disp S(mm)			
Acaponeta	4.3	1.3	2.4	1.4	410.3	351.4	170.9	13.0	1057.6	4.6	MUY SEVERA		
Ahuacatlán	4.6	3.1	2.4	3.0	311.8	477.0	129.9	13.0	809.7	4.4	MUY SEVERA		
Amatlán de Cañas	3.0	1.8	1.7	1.3	155.9	142.2	91.7	11.0	730.5	4.3	SEVERA		
Compostela	4.7	2.2	2.2	1.9	549.7	814.8	249.8	20.0	947.9	5.7	MUY SEVERA		
Huajicori	3.0	0.9	1.7	1.3	477.7	491.8	281.0	21.0	1007.2	2.2	VASTA		
Ixtlán del Rio	3.3	1.9	1.9	1.4	155.1	149.9	81.6	9.0	755.9	4.2	NORMAL		
Jala	3.8	1.6	2.0	1.5	217.3	207.5	108.6	12.0	790.7	5.4	MUY SEVERA		
Xalisco	4.5	1.9	2.1	1.9	381.0	543.9	181.4	17.0	872.7	5.9	MUY SEVERA		
Nayar, El	4.8	3.4	2.2	1.3	253.6	230.5	115.2	14.0	680.2	5.5	MUY SEVERA		
Rosamorada	3.1	1.7	1.3	0.7	383.4	485.1	294.9	23.0	954.4	5.8	VASTA		
Ruiz	5.2	2.9	3.0	2.3	588.8	477.2	196.2	15.0	1087.0	4.1	EXTREMADAMENTE SEVERA		
San Blas	3.9	1.3	2.0	1.1	478.0	484.2	239.0	18.0	1088.7	4.6	MUY SEVERA		
San Pedro Lagunillas	3.8	2.0	2.0	2.1	333.3	530.3	166.6	13.0	1049.3	5.0	MUY SEVERA		
Santa Maria del Oro	5.2	1.3	1.8	1.2	484.5	606.2	269.1	22.0	933.6	7.8	VASTA		
Santiago Ixcuintla	4.3	2.2	1.8	1.0	431.6	409.4	239.7	18.0	1048.3	5.6	SEVERA		
Tecuala	3.5	0.9	2.0	1.1	364.4	367.2	182.1	14.0	1050.7	4.0	MUY SEVERA		
Tepic	3.1	0.9	1.6	1.1	313.2	369.4	195.7	15.0	1106.2	5.5	SEVERA		
Tuxpan	3.3	1.3	1.9	1.7	428.9	479.9	225.7	18.0	1005.2	4.2	SEVERA		
Yesca, La	4.2	1.4	1.9	1.2	308.9	258.6	162.5	18.0	720.9	5.5	SEVERA		
Bahía de Banderas	3.5	1.9	1.5	0.6	386.5	220.5	257.6	26.0	716.0	4.3	VASTA		
Estatad	5.4	6.1	2.4	4.5	452.3	1077.2	188.4	18.0	854.4	6.2	MUY SEVERA		

Tabla C.135. Características de la sequía promedio de cada municipio del estado de Nayarit.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ¹ =Smáx/Dmáx	% de I ¹	Intensidad	Duración / máx	% de I / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I ¹ (mm/año)	respecto a X _c	I máx(mm/año)	D I máx(años)	respecto a X _c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Acaponeta	991.4	5.0	198.2	16.0	280.9	1.0	22.0	50.0	0.0	20.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0
Ahuacatlán	1915.3	13.0	147.3	15.0	348.1	1.0	37.0	66.6	6.6	13.3	0.0	6.6	0.0	0.0	0.0	0.0	0.0
Amatlán de C.	584.9	6.0	97.4	11.0	202.8	1.0	24.0	71.4	9.5	4.7	9.5	0.0	4.7	0.0	0.0	0.0	0.0
Compostela	2666.0	7.0	380.8	31.0	380.8	7.0	31.0	55.5	22.2	0.0	11.1	0.0	0.0	11.1	0.0	0.0	0.0
Huajicori	1712.8	5.0	342.5	26.0	342.5	5.0	26.0	75.0	0.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Ixtlán del Rio	422.9	4.0	105.7	12.0	218.1	1.0	26.0	60.0	15.0	15.0	5.0	0.0	0.0	5.0	0.0	0.0	0.0
Jala	723.4	7.0	103.3	11.0	279.9	1.0	31.0	55.5	11.1	22.2	5.5	0.0	0.0	5.5	0.0	0.0	0.0
Xalisco	1660.5	7.0	237.2	22.0	263.3	2.0	24.0	66.6	11.1	0.0	11.1	0.0	0.0	11.1	0.0	0.0	0.0
Nayar, El	687.0	5.0	137.4	17.0	162.6	3.0	20.0	42.8	14.2	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Rosamorada	1818.1	3.0	606.0	48.0	606.0	3.0	48.0	81.8	0.0	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ruiz	1471.5	7.0	210.2	16.0	403.7	1.0	31.0	37.5	25.0	12.5	0.0	0.0	0.0	25.0	0.0	0.0	0.0
San Blas	1545.8	5.0	309.1	23.0	458.4	3.0	34.0	41.6	25.0	25.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0
San Pedro L.	1811.3	8.0	226.4	18.0	255.7	1.0	21.0	66.6	22.2	0.0	0.0	0.0	0.0	0.0	11.1	0.0	0.0
Sta Ma del Oro	1755.8	4.0	438.9	36.0	438.9	4.0	36.0	66.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Santiago Ixcuintla	1215.8	4.0	303.9	23.0	389.8	3.0	30.0	50.0	20.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Tecuala	1280.4	5.0	256.0	20.0	415.6	2.0	33.0	41.6	33.3	16.6	0.0	8.3	0.0	0.0	0.0	0.0	0.0
Tepic	1297.9	3.0	432.6	33.0	432.6	3.0	33.0	64.2	21.4	7.1	0.0	7.1	0.0	0.0	0.0	0.0	0.0
Tuxpan	1710.3	7.0	244.3	19.0	351.4	1.0	28.0	66.6	16.6	0.0	8.3	0.0	0.0	8.3	0.0	0.0	0.0
Yesca, La	848.4	4.0	212.1	24.0	334.1	1.0	37.0	58.3	0.0	25.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Bahía de B.	747.6	3.0	249.2	25.0	348.9	2.0	35.0	55.5	33.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Estatad	4149.2	18.0	230.5	22.0	331.3	1.0	31.0	84.6	0.0	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.136. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Nayarit.

NUEVO LEON



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de					retorno (Tr)	Tr(años)	lluvia mínima	Tr(años)
	Media X _c (mm)	Mediana (mm)	Desv S(mm)	Std g	Coeficientes k Cv		2 años Hp(mm)	5 años Hp(mm)	10 años Hp(mm)	20 años Hp(mm)	50 años Hp(mm)	100 años Hp(mm)	primer decil	registrada Hp mín(mm)	para Hp mín
HA19003	1094.2	1034.8	372.7	0.3	3.0	0.34	1016.0	775.0	641.0	509.0	319.0	160.0	10.7	482.4	22.8
HA19004	524.1	511.3	182.3	0.5	4.3	0.35	499.0	382.0	302.0	214.0	77.0	0.0	13.8	185.5	24.6
HA19005	477.2	460.0	158.5	1.0	5.6	0.33	457.0	359.0	296.0	237.0	159.0	100.0	9.8	236.5	20.0
HA19006	530.9	521.0	237.8	0.2	2.9	0.45	506.0	327.0	224.0	126.0	0.0	0.0	12.1	112.0	22.1
HA19007	864.0	825.8	269.8	0.1	3.4	0.31	849.0	696.0	504.0	314.0	70.0	0.0	13.6	303.5	20.8
HA19008	671.7	646.7	291.8	0.4	3.1	0.43	637.0	438.0	317.0	199.0	38.0	0.0	15.5	122.0	31.1
HA19009	475.9	480.7	192.8	0.1	2.6	0.41	461.0	311.0	230.0	155.0	57.0	0.0	11.6	143.1	22.3
HA19010	612.0	563.3	270.7	0.7	2.9	0.44	535.0	374.0	284.0	194.0	68.0	0.0	7.3	225.6	15.7
HA19011	623.1	547.3	209.4	0.5	2.9	0.34	556.0	458.0	404.0	337.0	205.0	82.0	18.3	269.5	33.4
HA19012	708.1	674.2	275.6	0.4	3.3	0.39	713.0	488.0	343.0	204.0	25.0	0.0	11.1	202.8	20.1
HA19013	462.8	407.3	228.3	2.2	11.3	0.49	453.0	288.0	179.0	72.0	0.0	0.0	4.8	182.5	9.8
HA19014	1038.4	1027.7	244.7	0.4	4.2	0.24	1012.0	843.0	735.0	627.0	474.0	348.0	11.7	610.6	22.1
HA19015	871.5	829.0	345.8	-0.1	3.0	0.40	863.0	595.0	437.0	289.0	98.0	0.0	15.6	205.4	29.8
HA19016	481.8	434.0	195.7	0.2	2.2	0.41	445.0	319.0	246.0	177.0	89.0	23.0	15.4	133.9	31.2
HA19018	497.8	506.0	205.0	0.0	2.7	0.41	491.0	335.0	236.0	141.0	14.0	0.0	14.1	111.0	24.8
HA19019	620.0	558.3	351.3	2.6	13.5	0.57	607.0	385.0	240.0	100.0	0.0	0.0	4.4	234.9	10.2
HA19020	262.7	214.0	156.0	1.9	7.7	0.59	188.0	130.0	80.0	0.0	0.0	0.0	2.0	120.7	5.8
HA19021	536.4	485.5	150.4	1.4	5.1	0.28	491.0	438.0	402.0	366.0	312.0	260.0	5.5	383.1	14.5
HA19022	544.0	494.7	214.4	0.9	4.3	0.39	478.0	359.0	288.0	213.0	95.0	0.0	6.9	227.2	17.6
HA19024	430.6	406.9	171.8	0.7	3.4	0.40	387.0	268.0	187.0	97.0	0.0	0.0	6.2	171.1	11.4
HA19025	553.6	495.0	217.3	0.7	3.6	0.39	491.0	374.0	307.0	240.0	140.0	51.0	15.1	173.1	37.6
HA19026	206.1	192.2	95.1	1.0	3.6	0.46	188.0	132.0	98.0	66.0	24.0	0.0	5.9	87.3	12.5
HA19027	639.2	602.7	160.8	0.6	2.9	0.25	615.0	506.0	440.0	377.0	295.0	232.0	7.4	407.8	14.2
HA19028	456.8	428.0	219.0	1.1	5.1	0.48	438.0	314.0	223.0	117.0	0.0	0.0	9.3	124.5	19.1
HA19029	679.4	654.7	298.0	0.9	4.1	0.44	632.0	458.0	349.0	240.0	85.0	0.0	7.4	293.8	14.2
HA19031	534.3	485.2	233.3	1.5	5.7	0.44	486.0	366.0	290.0	214.0	112.0	29.0	4.6	282.6	10.7
HA19032	452.6	406.0	160.8	0.1	2.5	0.36	416.0	315.0	265.0	219.0	160.0	117.0	21.2	157.0	52.7
HA19033	595.2	560.8	199.8	1.0	4.7	0.34	557.0	463.0	397.0	318.0	172.0	26.0	20.1	224.5	37.5
HA19034	710.3	711.0	255.2	0.1	3.9	0.36	699.0	503.0	377.0	257.0	102.0	0.0	21.5	129.9	42.3
HA19036	321.1	286.8	107.1	0.9	3.0	0.33	281.0	240.0	215.0	192.0	160.0	134.0	5.6	200.1	15.8
HA19037	290.6	279.0	85.3	0.7	4.7	0.29	281.0	231.0	199.0	167.0	124.0	89.0	16.7	138.0	37.3
HA19038	409.1	393.2	135.0	0.7	4.4	0.33	396.0	305.0	245.0	186.0	104.0	37.0	13.6	154.0	28.7
HA19039	626.6	593.3	218.7	1.0	4.3	0.35	567.0	440.0	354.0	257.0	97.0	0.0	5.0	346.0	10.6
HA19041	611.6	522.4	428.3	3.3	17.1	0.70	564.0	337.0	178.0	8.0	0.0	0.0	4.0	138.6	11.8

Tabla C.137. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Nuevo León.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv	Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _o (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp mín
HA19042	604.1	562.5	209.0	0.8	3.4	0.35	522.0	404.0	345.0	267.0	110.0	0.0	4.2	336.4	11.0
HA19043	580.9	497.2	239.2	0.7	3.8	0.41	495.0	388.0	319.0	238.0	88.0	0.0	13.2	199.3	26.2
HA19044	492.9	474.2	178.9	0.7	5.3	0.36	471.0	344.0	243.0	121.0	0.0	0.0	9.4	173.5	15.1
HA19045	280.6	240.0	139.3	0.9	3.5	0.50	240.0	181.0	145.0	110.0	64.0	27.0	11.9	82.5	34.8
HA19046	504.5	500.3	165.5	0.4	3.9	0.33	497.0	358.0	259.0	155.0	3.0	0.0	11.9	153.7	20.2
HA19048	804.6	752.2	241.9	0.3	2.7	0.30	788.0	611.0	518.0	430.0	318.0	234.0	23.6	308.9	53.9
HA19049	552.4	521.5	205.6	0.8	4.1	0.37	520.0	392.0	306.0	214.0	73.0	0.0	10.8	207.7	21.0
HA19050	334.5	335.5	106.6	0.2	3.3	0.32	327.0	251.0	204.0	158.0	96.0	47.0	30.0	79.4	63.1
HA19051	1135.2	1135.0	449.0	-0.3	2.7	0.40	1141.0	604.0	276.0	0.0	0.0	0.0	7.5	256.5	10.4
HA19053	410.3	366.6	170.2	2.2	9.5	0.41	371.0	288.0	228.0	157.0	16.0	0.0	5.2	196.3	13.9
HA19055	431.5	395.4	194.5	1.4	5.4	0.45	390.0	288.0	220.0	153.0	55.0	0.0	8.4	147.1	21.1
HA19056	643.8	586.5	282.0	1.0	3.8	0.44	540.0	401.0	315.0	220.0	55.0	0.0	5.2	280.5	13.1
HA19057	366.5	346.7	174.8	1.2	6.3	0.48	327.0	216.0	138.0	49.0	0.0	0.0	6.7	107.5	12.9
HA19059	334.0	295.5	149.2	0.5	3.4	0.45	297.0	219.0	167.0	105.0	0.0	0.0	11.2	100.0	21.0
HA19061	470.1	452.2	235.4	0.6	3.8	0.50	468.0	275.0	149.0	29.0	0.0	0.0	7.1	105.3	12.9
HA19062	1039.4	983.2	373.4	0.5	3.7	0.36	957.0	780.0	668.0	553.0	379.0	221.0	38.2	283.8	77.0
HA19063	440.7	416.0	197.5	0.7	3.4	0.45	430.0	288.0	197.0	110.0	0.0	0.0	9.5	126.4	17.5
HA19065	913.9	818.2	347.3	1.6	6.3	0.38	835.0	704.0	615.0	520.0	360.0	181.0	16.9	396.3	41.8
HA19067	316.0	281.0	144.1	1.6	8.1	0.46	210.0	82.5	0.0	0.0	0.0	0.0	2.4	110.0	4.0
HA19069	1027.7	1028.0	281.4	0.1	4.2	0.27	1002.0	808.0	670.0	523.0	307.0	128.0	15.2	475.7	24.7
HA19070	346.5	326.5	105.0	0.5	4.2	0.30	330.0	266.0	225.0	185.0	131.0	87.0	10.7	179.8	21.9
HA19073	334.7	340.3	94.9	0.0	2.4	0.28	335.0	254.0	208.0	165.0	111.0	70.0	11.3	167.0	19.4
HA19074	539.5	520.0	198.4	0.2	3.0	0.37	507.0	378.0	300.0	224.0	116.0	27.0	23.4	122.1	47.5
HA19085	451.5	479.3	109.1	-1.3	7.1	0.24	477.0	369.0	320.0	275.0	219.0	178.0	34.7	204.7	63.8
HA19086	515.7	475.5	149.2	0.9	5.3	0.29	466.0	403.0	366.0	332.0	286.0	252.0	10.3	315.0	27.9
HA19087	495.0	546.6	157.6	-0.4	3.3	0.32	551.0	335.0	301.0	271.0	234.0	207.0	16.0	235.0	49.2
HA19091	627.4	593.3	192.0	0.2	3.5	0.31	588.0	466.0	403.0	345.0	269.0	212.0	9.6	344.0	20.2
HA19093	456.2	433.0	251.6	0.3	3.0	0.55	412.0	247.0	153.0	66.0	0.0	0.0	6.4	139.1	11.2
HA19101	570.4	472.0	326.1	1.2	6.2	0.57	473.0	403.0	344.0	225.0	0.0	0.0	18.0	140.0	26.3
HA19110	352.3	296.0	153.5	0.8	4.9	0.44	287.0	224.0	188.0	150.0	84.0	16.0	5.6	167.0	14.8
HA19117	491.6	505.7	173.3	0.7	5.2	0.35	479.0	286.0	271.0	184.0	38.0	0.0	2.9	269.1	10.4
HA19124	539.5	514.3	134.6	0.3	2.9	0.25	511.0	418.0	369.0	325.0	268.0	225.0	5.6	371.0	9.7
HA19141	319.9	318.1	104.4	0.2	5.0	0.33	243.0	150.7	89.5	30.9	0.0	0.0	3.6	144.5	5.4
HA19142	550.3	439.7	410.6	2.7	13.2	0.75	421.0	301.0	208.0	76.0	0.0	0.0	2.0	275.5	6.1

Tabla C.137. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Nuevo León.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA19003	627.9	773.3	918.8	1064.2	1209.7	1355.2	1500.6	1646.1	1791.5	1937.0	11.5	11.5	15.3	19.2	3.8	11.5	11.5	7.6	3.8	3.8
HA19004	263.3	341.0	418.8	496.5	574.3	652.0	729.8	807.5	885.3	963.0	7.6	7.6	11.5	19.2	19.2	11.5	15.3	0.0	0.0	7.6
HA19005	298.1	359.6	421.2	482.7	544.3	605.9	667.4	729.0	790.5	852.1	7.1	21.4	7.1	28.5	14.2	7.1	0.0	7.1	0.0	7.1
HA19006	197.6	283.2	368.8	454.4	540.0	625.6	711.2	796.8	882.4	968.0	4.3	13.0	13.0	4.3	21.7	8.6	8.6	13.0	0.0	13.0
HA19007	419.0	534.4	649.9	765.3	880.8	996.2	1111.7	1227.1	1342.6	1458.0	3.8	3.8	11.5	23.0	11.5	15.3	11.5	11.5	3.8	3.8
HA19008	242.5	363.0	483.5	604.0	724.6	845.1	965.6	1086.1	1206.6	1327.1	2.8	11.4	14.2	11.4	25.7	11.4	8.5	0.0	8.5	5.7
HA19009	213.5	284.0	354.4	424.8	495.3	565.7	636.1	706.5	777.0	847.4	6.6	6.6	26.6	0.0	16.6	10.0	6.6	16.6	0.0	10.0
HA19010	325.0	424.3	523.7	623.0	722.4	821.8	921.1	1020.5	1119.8	1219.2	15.9	13.6	18.1	11.3	6.8	15.9	2.2	6.8	0.0	9.0
HA19011	347.5	425.5	503.5	581.5	659.5	737.5	815.5	893.5	971.5	1049.5	3.4	13.7	10.3	24.1	10.3	10.3	10.8	4.3	2.1	4.3
HA19012	321.6	440.3	559.1	677.9	796.7	915.4	1034.2	1153.0	1271.7	1390.5	8.6	8.6	6.5	26.0	17.3	10.8	10.8	4.3	2.1	4.3
HA19013	294.6	406.6	518.7	630.7	742.7	854.8	966.8	1078.9	1191.0	1303.0	12.5	33.3	25.0	16.6	8.3	0.0	0.0	0.0	0.0	4.1
HA19014	711.0	811.4	911.8	1012.2	1112.6	1212.9	1313.3	1413.7	1514.1	1614.5	5.2	15.7	5.2	21.0	21.0	5.2	15.7	5.2	0.0	5.2
HA19015	341.0	476.6	612.2	747.8	883.4	1018.9	1154.5	1290.1	1425.7	1561.3	8.0	8.0	8.0	8.0	20.0	16.0	8.0	12.0	8.0	4.0
HA19016	202.5	271.1	339.7	408.3	476.9	545.5	614.1	682.7	751.3	819.9	6.1	10.2	6.1	16.3	16.3	12.2	2.0	10.2	6.1	14.2
HA19018	188.8	266.5	344.3	422.1	499.9	577.6	655.4	733.2	810.9	888.7	9.0	6.0	9.0	12.1	12.1	21.2	9.0	3.0	12.1	6.0
HA19019	413.0	591.0	769.1	947.1	1125.2	1303.3	1481.3	1659.4	1837.4	2015.5	30.7	23.0	26.9	11.5	3.8	0.0	0.0	0.0	0.0	3.8
HA19020	189.1	257.6	326.0	394.4	462.9	531.3	599.7	668.1	736.6	805.0	43.3	20.0	20.0	3.3	0.0	3.3	6.6	0.0	0.0	3.3
HA19021	432.5	481.9	531.3	580.7	630.1	679.4	728.8	778.2	827.6	877.0	20.0	26.6	26.6	6.6	0.0	0.0	0.0	6.6	6.6	6.6
HA19022	325.6	423.9	522.3	620.7	719.1	817.4	915.8	1014.2	1112.5	1210.9	13.1	26.3	13.1	13.1	15.7	5.2	10.5	0.0	0.0	2.6
HA19024	244.2	317.3	390.4	463.5	536.6	609.6	682.7	755.8	828.9	902.0	12.9	18.5	16.6	14.8	11.1	9.2	9.2	1.8	1.8	3.7
HA19025	268.0	363.0	457.9	552.9	647.8	742.7	837.7	932.6	1027.6	1122.5	6.8	6.8	20.4	25.0	6.8	15.9	9.0	4.5	0.0	4.5
HA19026	123.8	160.3	196.8	233.3	269.9	306.4	342.9	379.4	415.9	452.4	17.6	20.5	20.5	14.7	5.8	2.9	0.0	11.7	2.9	2.9
HA19027	467.5	527.3	587.0	646.8	706.5	766.2	826.0	885.7	945.5	1005.2	17.5	7.5	15.0	17.5	12.5	10.0	5.0	2.5	7.5	5.0
HA19028	233.6	342.6	451.7	560.7	669.8	778.8	887.8	996.9	1106.0	1215.0	12.2	24.4	18.3	22.4	6.1	8.1	4.0	2.0	0.0	2.0
HA19029	394.9	496.0	597.1	698.2	799.3	900.4	1001.5	1102.6	1203.7	1304.8	11.7	29.4	0.0	17.6	11.7	11.7	5.8	0.0	0.0	11.7
HA19031	377.3	472.1	566.8	661.6	756.3	851.0	945.8	1040.5	1135.3	1230.0	28.1	15.6	21.8	15.6	0.0	9.3	3.1	0.0	3.1	3.1
HA19032	215.1	273.2	331.3	389.4	447.5	505.6	563.7	621.8	679.9	738.0	4.3	8.6	13.0	13.0	17.3	4.3	8.6	8.6	17.3	4.3
HA19033	317.5	410.4	503.4	596.3	689.3	782.2	875.2	968.1	1061.1	1154.0	5.0	7.5	17.5	32.5	12.5	10.0	2.5	7.5	0.0	5.0
HA19034	245.3	360.7	476.2	591.6	707.0	822.4	937.8	1053.3	1168.7	1284.1	5.6	3.7	3.7	11.3	22.6	26.4	13.2	3.7	1.8	7.5
HA19036	235.9	271.6	307.4	343.1	378.9	414.6	450.4	486.1	521.9	557.6	25.8	9.6	29.0	6.4	3.2	3.2	0.0	9.6	6.4	6.4
HA19037	175.4	212.8	250.1	287.5	324.9	362.3	399.7	437.0	474.4	511.8	8.0	8.0	12.0	24.0	28.0	4.0	8.0	0.0	4.0	4.0
HA19038	218.9	283.9	348.8	413.8	478.7	543.6	608.6	673.5	738.5	803.4	7.6	2.5	23.0	23.0	20.5	10.2	2.5	7.6	0.0	2.5
HA19039	440.8	535.6	630.4	725.2	820.0	914.8	1009.6	1104.4	1199.2	1294.0	17.0	31.7	12.1	9.7	14.6	0.0	7.3	4.8	0.0	2.4
HA19041	390.8	643.0	895.2	1147.4	1399.6	1651.7	1903.9	2156.1	2408.3	2660.5	27.2	38.6	27.2	2.2	0.0	0.0	0.0	2.2	0.0	2.2

Tabla C.138. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Nuevo León.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA19042	418.6	500.7	582.9	665.0	747.2	829.4	911.5	993.7	1075.8	1158.0	20.9	23.2	9.3	9.3	13.9	11.6	2.3	4.6	0.0	4.6
HA19043	288.8	378.3	467.8	557.3	646.8	736.3	825.8	915.3	1004.8	1094.3	5.8	5.8	29.4	17.6	0.0	17.6	5.8	0.0	11.7	5.8
HA19044	251.8	330.1	408.4	486.7	565.0	643.3	721.6	799.9	878.2	956.5	5.2	10.5	10.5	26.3	21.0	10.5	5.2	5.2	0.0	5.2
HA19045	136.3	190.0	243.8	297.5	351.3	405.0	458.8	512.5	566.3	620.0	12.9	12.9	29.0	16.1	3.2	6.4	3.2	9.6	0.0	6.4
HA19046	233.9	314.2	394.4	474.6	554.9	635.1	715.3	795.5	875.8	956.0	6.8	0.0	15.9	22.7	18.1	18.1	6.8	4.5	4.5	2.2
HA19048	409.7	510.5	611.3	712.1	812.9	913.8	1014.6	1115.4	1216.2	1317.0	2.1	6.5	10.8	19.5	21.7	10.8	4.3	10.8	6.5	6.5
HA19049	296.8	385.9	475.0	564.1	653.2	742.2	831.3	920.4	1009.5	1098.6	7.5	12.5	12.5	27.5	12.5	12.5	5.0	5.0	0.0	5.0
HA19050	130.6	181.7	232.9	284.0	335.2	386.4	437.5	488.7	539.8	591.0	20	2.0	18.0	10.0	18.0	22.0	10.0	10.0	4.0	4.0
HA19051	406.2	555.8	705.4	855.1	1004.8	1154.4	1304.1	1453.7	1603.4	1753.0	80	0.0	12.0	4.0	16.0	16.0	4.0	12.0	4.0	24.0
HA19053	284.4	372.6	460.7	548.9	637.0	725.1	813.3	901.4	989.6	1077.7	21.4	30.9	26.1	7.1	4.7	4.7	0.0	0.0	2.3	2.3
HA19055	237.0	327.0	416.9	506.8	596.8	686.7	776.6	866.5	956.5	1046.4	71	28.5	23.8	16.6	9.5	4.7	0.0	4.7	2.3	2.3
HA19056	396.6	512.7	628.8	744.9	861.0	977.1	1093.2	1209.3	1325.4	1441.5	200	17.5	20.0	10.0	12.5	5.0	7.5	2.5	2.5	2.5
HA19057	184.1	260.6	337.2	413.7	490.3	566.8	643.4	719.9	796.4	873.0	100	15.0	25.0	15.0	20.0	5.0	5.0	0.0	0.0	5.0
HA19059	158.1	216.2	274.3	332.4	390.5	448.6	506.7	564.8	622.9	681.0	11.5	7.6	15.3	23.0	7.6	11.5	15.3	0.0	3.8	3.8
HA19061	210.2	315.2	420.1	525.0	629.9	734.9	839.8	944.7	1049.7	1154.6	200	7.5	10.0	22.5	17.5	10.0	5.0	5.0	0.0	2.5
HA19062	433.6	583.5	733.3	883.1	1033.0	1182.8	1332.6	1482.4	1632.3	1782.1	4.0	0.0	16.0	20.0	24.0	4.0	16.0	0.0	4.0	12.0
HA19063	203.0	279.6	356.2	432.8	509.5	586.1	662.7	739.3	815.9	892.5	2.8	22.8	11.4	17.1	14.2	11.4	8.5	0.0	2.8	8.5
HA19065	543.7	691.1	838.5	985.9	1133.3	1280.7	1428.1	1575.5	1722.9	1870.3	6.8	10.3	37.9	24.1	6.8	3.4	0.0	0.0	0.0	10.3
HA19067	179.0	248.0	316.9	385.9	454.9	523.9	592.9	661.8	730.8	799.8	160	24.0	12.0	24.0	16.0	0.0	4.0	0.0	0.0	4.0
HA19069	582.8	689.8	796.9	903.9	1011.0	1118.1	1225.1	1332.2	1439.2	1546.3	6.6	0.0	13.3	13.3	13.3	26.6	6.6	0.0	13.3	6.6
HA19070	220.8	261.8	302.9	343.9	384.9	425.9	466.9	508.0	549.0	590.0	10.5	10.5	10.5	21.0	21.0	0.0	15.7	0.0	5.2	5.2
HA19073	200.5	234.0	267.5	301.0	334.5	368.0	401.5	435.0	468.5	502.0	10.8	13.7	6.8	3.4	10.3	17.2	13.7	3.4	17.2	3.4
HA19074	205.9	289.8	373.6	457.5	541.3	625.1	709.0	792.8	876.7	960.5	4.3	2.1	10.8	21.7	19.5	10.8	10.8	8.6	4.3	6.5
HA19085	241.5	278.2	315.0	351.8	388.5	425.3	462.1	498.9	535.6	572.4	100	0.0	0.0	0.0	10.0	10.0	0.0	0.0	30.0	20.0
HA19086	365.0	414.9	464.9	514.8	564.8	614.7	664.7	714.6	764.6	814.5	100	0.0	40.0	20.0	0.0	0.0	10.0	10.0	0.0	10.0
HA19087	280.5	326.1	371.6	417.2	462.7	508.2	553.8	599.3	644.9	690.4	100	0.0	20.0	10.0	0.0	0.0	10.0	20.0	10.0	20.0
HA19091	407.0	469.9	532.9	595.8	658.8	721.8	784.7	847.7	910.6	973.6	16.6	8.3	8.3	16.6	8.3	0.0	16.6	16.6	0.0	8.3
HA19093	213.3	287.4	361.6	435.7	509.9	584.1	658.2	732.4	806.5	880.7	25.0	0.0	16.6	8.3	16.6	0.0	0.0	0.0	25.0	0.0
HA19101	251.4	362.7	474.1	585.4	696.8	808.2	919.5	1030.9	1142.2	1253.6	10.0	10.0	30.0	20.0	10.0	0.0	0.0	10.0	0.0	10.0
HA19110	217.6	268.1	318.7	369.3	419.9	470.4	521.0	571.6	622.1	672.7	18.1	18.1	18.1	0.0	18.1	9.0	9.0	0.0	0.0	9.0
HA19117	329.2	389.3	449.4	509.5	569.6	629.6	689.7	749.8	809.9	870.0	25.0	0.0	16.6	8.3	25.0	8.3	8.3	0.0	0.0	8.3
HA19124	409.2	447.3	485.4	523.6	561.7	599.9	638.0	676.2	714.3	752.5	25.0	8.3	0.0	25.0	0.0	8.3	8.3	0.0	16.6	8.3
HA19141	181.2	217.9	254.6	291.3	328.0	364.7	401.4	438.1	474.8	511.5	100	0.0	30.0	10.0	0.0	10.0	30.0	0.0	0.0	10.0
HA19142	423.9	572.4	720.8	869.3	1017.7	1166.1	1314.6	1463.0	1611.5	1759.9	41.6	33.3	8.3	8.3	0.0	0.0	0.0	0.0	0.0	8.3

Tabla C.138. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Nuevo León.

Estación	Características promedio de la sequía meteorológica										Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de JS	lluvia disponible	Hp disp S(mm)		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	JS(mm/año)	respecto a X _o	Hp disp S(mm)	Hp disp S(mm)		
HA19003	3.8	2.4	2.1	1.3	576.2	523.1	274.3	25.0	819.9	4.0	MUY VASTA	
HA19004	3.5	1.6	1.7	0.9	221.9	191.8	130.5	24.0	393.5	4.5	VASTA	
HA19005	4.0	0.8	2.2	0.4	196.7	133.1	89.4	18.0	387.8	3.7	MUY SEVERA	
HA19006	3.1	0.8	1.6	0.8	272.7	203.3	170.4	32.0	360.5	4.1	CRITICA	
HA19007	3.3	1.2	2.0	1.4	403.5	466.2	201.7	23.0	662.3	5.7	MUY VASTA	
HA19008	4.0	2.5	2.1	1.2	445.5	279.4	212.1	31.0	459.5	4.5	MUY CRITICA	
HA19009	3.8	1.4	1.6	0.4	298.4	115.7	186.5	39.0	289.4	6.0	CRITICA	
HA19010	3.8	1.6	2.0	0.9	408.9	231.4	204.4	33.0	407.5	4.0	MUY CRITICA	
HA19011	3.1	1.5	1.7	1.2	246.3	107.4	144.8	23.0	478.3	3.9	VASTA	
HA19012	4.0	1.5	2.2	1.7	443.2	424.6	201.4	28.0	506.7	4.6	MUY VASTA	
HA19013	5.2	1.7	2.8	1.8	366.7	269.4	130.9	28.0	331.8	3.8	MUY VASTA	
HA19014	4.2	3.3	1.9	1.0	352.8	316.3	185.6	17.0	852.8	4.7	SEVERA	
HA19015	2.7	0.9	1.4	0.6	382.4	262.5	273.1	31.0	598.4	4.9	CRITICA	
HA19016	3.8	1.9	2.1	1.3	307.2	238.0	146.2	30.0	335.6	4.3	MUY VASTA	
HA19018	5.3	2.5	2.2	1.0	383.4	298.4	174.2	34.0	323.6	5.4	MUY CRITICA	
HA19019	4.2	2.9	2.3	1.5	492.1	412.0	213.9	34.0	406.0	4.6	MUY CRITICA	
HA19020	6.7	2.4	3.7	1.7	332.3	135.6	89.8	34.0	172.9	2.4	CATASTROFICA	
HA19021	4.3	0.9	2.7	1.2	208.4	71.9	77.1	14.0	459.2	3.3	MUY SEVERA	
HA19022	4.5	1.5	2.5	1.4	365.8	185.7	146.3	26.0	397.7	3.5	MUY VASTA	
HA19024	4.0	1.9	2.2	1.1	285.8	221.4	129.9	30.0	300.6	3.8	MUY VASTA	
HA19025	3.9	1.5	2.1	1.6	326.8	351.9	155.6	28.0	397.9	4.0	MUY VASTA	
HA19026	3.4	2.0	2.0	1.6	126.0	85.2	63.0	30.0	143.1	4.1	MUY VASTA	
HA19027	4.2	1.4	2.1	1.2	259.4	208.2	123.5	19.0	515.7	4.5	MUY SEVERA	
HA19028	4.3	2.2	2.2	2.1	340.8	462.0	154.9	33.0	301.9	5.5	MUY CRITICA	
HA19029	3.2	1.0	1.8	1.1	391.0	311.6	217.2	31.0	462.2	4.9	CRITICA	
HA19031	5.0	2.3	2.8	2.5	390.7	396.0	139.5	26.0	394.7	3.9	MUY VASTA	
HA19032	3.8	1.4	2.1	0.8	265.1	146.0	126.2	27.0	326.3	4.3	MUY VASTA	
HA19033	3.8	2.2	2.7	2.2	314.6	219.2	116.5	19.0	478.6	4.3	MUY SEVERA	
HA19034	3.7	1.3	1.7	0.7	341.0	342.1	200.5	28.0	509.7	4.8	VASTA	
HA19036	5.3	1.9	3.3	1.5	227.1	122.2	68.8	21.0	252.2	3.6	EXTREMADAMENTE VASTA	
HA19037	5.7	3.0	2.6	1.8	155.7	132.5	59.8	20.0	230.7	5.0	MUY SEVERA	
HA19038	3.3	1.1	1.9	0.9	180.4	134.3	94.9	23.0	314.2	4.5	VASTA	
HA19039	3.6	1.7	2.1	1.4	320.9	252.5	152.8	24.0	473.7	3.8	MUY VASTA	
HA19041	3.8	2.2	2.2	2.2	497.6	496.6	226.1	36.0	385.5	4.1	MUY CRITICA	

Tabla C.139. Características de la sequía promedio de cada estación climatológica del estado de Nuevo León.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	lleva disponible			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm ²)	IS(mm/año)	respecto a X _s	hip disp S(mm)	hip disp S(mm)		
HA19042	4.2	2.6	2.2	2.3	337.7	240.3	153.5	25.0	450.6	3.0	MUY VASTA	
HA19043	3.0	0.7	2.0	1.5	331.1	317.9	165.5	28.0	415.3	3.8	MUY VASTA	
HA19044	3.0	1.1	1.5	1.0	176.2	196.1	117.4	23.0	375.5	4.0	VASTA	
HA19045	4.1	2.2	2.6	1.9	213.1	168.2	81.9	29.0	198.7	3.6	MUY VASTA	
HA19046	3.3	1.0	1.6	0.7	218.4	124.7	136.5	27.0	367.9	4.7	VASTA	
HA19048	3.9	2.5	2.3	1.6	377.5	223.5	164.1	20.0	640.4	4.1	MUY SEVERA	
HA19049	4.1	2.6	2.3	2.1	314.0	391.6	136.5	24.0	415.8	4.1	MUY VASTA	
HA19050	4.4	1.5	2.1	1.3	188.9	134.1	89.9	26.0	244.6	5.5	MUY VASTA	
HA19051	3.8	1.6	2.0	0.9	649.2	502.8	324.6	28.0	810.6	3.4	MUY VASTA	
HA19053	4.8	2.4	3.0	2.4	261.6	271.4	87.1	21.0	323.2	3.3	EXTREMADAMENTE VASTA	
HA19055	4.5	2.4	2.6	1.7	295.0	261.0	113.4	26.0	318.1	3.7	MUY VASTA	
HA19056	4.8	5.2	2.5	2.4	507.4	583.8	202.9	31.0	440.9	3.6	MUY CRITICA	
HA19057	2.9	0.8	1.5	0.4	184.4	132.1	122.9	33.0	243.5	3.9	CRITICA	
HA19059	3.5	0.9	1.8	1.0	197.5	232.1	109.7	32.0	224.3	4.6	CRITICA	
HA19061	4.8	2.9	2.4	2.2	407.8	468.9	169.9	36.0	300.2	4.4	MUY CRITICA	
HA19062	3.6	1.6	2.2	1.2	508.8	410.6	231.2	22.0	808.1	4.2	MUY VASTA	
HA19063	6.6	2.4	3.1	1.6	454.0	256.6	146.4	33.0	294.3	4.8	CATASTROFICA	
HA19065	4.6	1.3	2.8	1.7	477.6	307.5	170.5	18.0	743.4	3.7	MUY SEVERA	
HA19067	3.4	1.5	1.6	0.6	163.0	106.9	101.8	32.0	214.2	1.9	CRITICA	
HA19069	3.2	1.0	1.3	0.4	309.8	135.8	238.3	23.0	789.4	5.5	VASTA	
HA19070	4.5	0.5	3.3	0.4	250.4	121.0	75.8	21.0	270.6	4.6	EXTREMADAMENTE VASTA	
HA19073	3.8	0.6	1.8	0.8	163.2	106.2	90.6	27.0	244.1	5.8	VASTA	
HA19074	3.2	1.7	1.7	1.2	243.0	254.4	142.9	26.0	396.6	4.2	VASTA	
HA19085	4.0	1.0	1.6	0.4	136.7	123.4	85.4	18.0	366.0	5.2	SEVERA	
HA19086	2.6	0.4	1.7	0.4	145.9	66.6	85.3	16.0	429.8	3.2	SEVERA	
HA19087	4.0	2.0	1.3	0.4	227.6	55.6	175.0	35.0	319.9	6.6	CRITICA	
HA19091	3.0	0.8	1.7	0.8	240.3	185.4	141.3	22.0	486.0	4.1	VASTA	
HA19093	3.0	1.4	1.7	1.2	311.9	279.3	183.4	40.0	272.7	4.2	CRITICA	
HA19101	4.0	1.0	2.3	0.4	407.2	94.9	177.0	31.0	393.3	5.7	MUY CRITICA	
HA19110	3.3	1.2	1.5	0.8	173.1	140.6	115.4	32.0	236.9	3.9	CRITICA	
HA19117	3.3	1.2	1.2	0.4	192.4	28.7	160.3	32.0	331.2	2.9	CRITICA	
HA19124	2.5	0.5	1.3	0.4	136.3	55.8	104.8	19.0	434.6	4.0	SEVERA	
HA19141	3.0	0.5	1.6	0.4	141.9	60.6	88.6	27.0	231.2	2.2	VASTA	
HA19142	3.3	0.4	2.2	0.4	381.6	220.8	173.4	31.0	376.8	2.7	MUY CRITICA	

Tabla C.139. Características de la sequía promedio de cada estación climatológica del estado de Nuevo León.

Estación	Características máximas registradas de la sequía meteorológica								Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^m S_{máx}/D_{máx}$	% de I^m	Intensidad	Duración $I_{máx}$	% de $I_{máx}$	respecto a X_c	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^m(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{I_{máx}}(años)$	respecto a X_c		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA19003	1386.7	3.0	462.2	42.0	462.2	3.0	42.0	42.8	28.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA19004	700.0	4.0	175.0	33.0	276.0	1.0	52.0	50.0	37.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19005	385.9	3.0	128.6	26.0	128.6	3.0	26.0	0.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19006	621.8	3.0	207.2	39.0	289.6	1.0	54.0	62.5	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19007	1514.7	5.0	302.9	35.0	302.9	5.0	35.0	57.1	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA19008	952.1	3.0	317.3	47.0	317.3	3.0	47.0	44.4	22.2	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA19009	476.7	2.0	238.3	50.0	332.3	1.0	69.0	37.5	62.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19010	963.6	4.0	240.9	39.0	279.5	1.0	45.0	33.3	33.3	25.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19011	418.8	5.0	83.7	13.0	353.6	1.0	56.0	70.0	10.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19012	1265.8	5.0	253.1	35.0	505.3	1.0	71.0	54.5	9.0	18.1	0.0	9.0	9.0	0.0	0.0	0.0	0.0	0.0
HA19013	892.4	6.0	148.7	32.0	194.7	1.0	42.0	40.0	0.0	40.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA19014	746.8	2.0	373.4	35.0	373.4	2.0	35.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19015	907.3	3.0	302.4	34.0	666.1	1.0	76.0	66.6	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19016	861.6	3.0	287.2	59.0	287.2	3.0	59.0	38.4	30.7	23.0	0.0	0.0	7.6	0.0	0.0	0.0	0.0	0.0
HA19018	996.2	4.0	249.0	50.0	257.7	2.0	51.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19019	1301.1	4.0	325.2	52.0	344.9	1.0	55.0	50.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA19020	577.8	7.0	82.5	31.0	106.7	3.0	40.0	0.0	20.0	40.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA19021	310.7	4.0	77.6	14.0	116.7	1.0	21.0	25.0	25.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19022	774.3	5.0	154.8	28.0	275.2	1.0	50.0	33.3	22.2	11.1	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA19024	896.2	5.0	179.2	41.0	253.4	2.0	58.0	30.7	38.4	15.3	7.5	7.6	0.0	0.0	0.0	0.0	0.0	0.0
HA19025	1301.0	6.0	216.8	39.0	216.8	6.0	39.0	58.3	8.3	8.3	16.6	0.0	8.3	0.0	0.0	0.0	0.0	0.0
HA19026	289.1	5.0	57.8	28.0	118.8	1.0	57.0	70.0	0.0	10.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19027	648.4	4.0	162.1	25.0	186.0	1.0	29.0	50.0	10.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19028	1818.2	9.0	202.0	44.0	224.5	2.0	49.0	50.0	25.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0
HA19029	964.2	4.0	241.0	35.0	385.6	1.0	56.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19031	1086.8	8.0	135.8	25.0	169.0	5.0	31.0	57.1	0.0	14.2	0.0	14.2	0.0	0.0	14.2	0.0	0.0	0.0
HA19032	529.8	4.0	132.4	29.0	190.3	2.0	42.0	16.6	66.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19033	823.2	6.0	137.2	23.0	370.6	1.0	62.0	55.5	0.0	11.1	11.1	0.0	11.1	11.1	0.0	0.0	0.0	0.0
HA19034	1131.2	3.0	377.0	53.0	377.0	3.0	53.0	42.8	35.7	21.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19036	445.0	6.0	74.1	23.0	88.5	1.0	27.0	16.6	16.6	16.6	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA19037	394.5	6.0	65.7	22.0	78.8	2.0	27.0	40.0	20.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA19038	495.6	4.0	123.9	30.0	155.8	2.0	38.0	36.3	36.3	18.1	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19039	828.5	5.0	165.7	26.0	202.5	2.0	32.0	45.4	27.2	0.0	18.1	9.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19041	1981.0	9.0	220.1	35.0	339.5	1.0	55.0	54.5	18.1	18.1	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0

Tabla C.140. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Nuevo León.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA19042	852.9	9.0	94.7	15.0	267.7	1.0	44.0	63.6	9.0	9.0	9.0	0.0	0.0	0.0	0.0	9.0	0.0
HA19043	949.9	5.0	189.9	32.0	218.8	1.0	37.0	60.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA19044	636.8	4.0	159.2	32.0	214.4	1.0	43.0	71.4	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA19045	506.6	3.0	168.8	60.0	168.8	3.0	60.0	37.5	25.0	2.5	12.5	0.0	0.0	12.5	0.0	0.0	0.0
HA19046	471.9	2.0	235.9	46.0	235.9	2.0	46.0	46.1	38.4	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19048	730.9	4.0	182.7	22.0	346.0	1.0	43.0	41.6	25.0	6.6	8.3	0.0	0.0	8.3	0.0	0.0	0.0
HA19049	1333.7	6.0	222.2	40.0	239.5	1.0	43.0	60.0	20.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0
HA19050	449.4	3.0	149.8	44.0	149.8	3.0	44.0	45.4	18.1	18.1	9.0	9.0	0.0	0.0	0.0	0.0	0.0
HA19051	1739.8	4.0	434.9	38.0	528.6	1.0	46.0	28.5	57.1	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA19053	727.1	8.0	90.8	22.0	119.3	6.0	29.0	44.4	11.1	11.1	11.1	0.0	11.1	0.0	11.1	0.0	0.0
HA19055	919.0	5.0	183.8	42.0	183.8	5.0	42.0	40.0	20.0	10.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0
HA19056	1908.4	8.0	238.5	37.0	310.5	1.0	48.0	55.5	22.2	0.0	0.0	0.0	11.1	0.0	11.1	0.0	0.0
HA19057	362.2	2.0	181.1	49.0	181.1	2.0	49.0	42.8	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19059	781.0	4.0	195.2	58.0	195.2	4.0	58.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA19061	1285.1	7.0	183.5	39.0	290.9	1.0	61.0	66.6	0.0	11.1	0.0	0.0	11.1	11.1	0.0	0.0	0.0
HA19062	1352.3	3.0	450.7	43.0	450.7	3.0	43.0	42.8	14.2	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0
HA19063	788.7	4.0	197.1	44.0	197.1	4.0	44.0	16.6	33.3	0.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0
HA19065	1115.7	6.0	185.9	20.0	279.5	2.0	30.0	28.5	28.5	0.0	28.5	0.0	14.2	0.0	0.0	0.0	0.0
HA19067	364.2	3.0	121.4	38.0	137.3	2.0	43.0	50.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19069	552.0	1.0	552.0	53.0	552.0	1.0	53.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19070	375.1	4.0	93.8	27.0	96.5	3.0	27.0	0.0	0.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA19073	291.0	3.0	97.0	28.0	139.2	2.0	41.0	42.8	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19074	834.6	6.0	139.1	25.0	259.0	2.0	48.0	53.3	33.3	6.6	0.0	0.0	6.6	0.0	0.0	0.0	0.0
HA19085	303.1	2.0	151.5	33.0	151.5	2.0	33.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19086	227.3	2.0	113.6	22.0	113.6	2.0	22.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19087	273.6	2.0	136.8	27.0	259.9	1.0	52.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19091	526.1	3.0	175.3	27.0	283.3	1.0	45.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19093	774.6	4.0	193.6	42.0	275.0	1.0	60.0	75.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19101	502.3	2.0	251.1	44.0	251.1	2.0	44.0	0.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19110	410.3	3.0	136.7	38.0	144.3	1.0	40.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19117	222.4	1.0	222.4	45.0	222.4	1.0	45.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19124	188.0	2.0	94.0	17.0	168.4	1.0	31.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19141	218.2	2.0	109.1	34.0	109.1	2.0	34.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA19142	745.8	3.0	248.6	45.0	248.6	3.0	45.0	0.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.140. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Nuevo León.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _p (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p mín(mm)	H _p mín
Abasolo	352.1	310.6	127.2	1.0	3.7	0.36	319.0	264.0	228.0	193.0	139.0	91.0	16.4	154.0	39.5
Agualeguas	550.3	439.7	410.6	2.7	13.2	0.75	421.0	301.0	208.0	76.0	0.0	0.0	2.0	275.5	6.1
Aldamas, Los	616.2	560.5	285.9	1.1	4.5	0.46	518.0	353.0	240.0	95.0	0.0	0.0	6.5	182.1	13.5
Allende	1094.2	1034.8	372.7	0.3	3.0	0.34	1016.0	775.0	641.0	509.0	319.0	160.0	10.7	482.4	22.8
Anáhuac	426.6	393.4	173.7	1.1	4.5	0.41	404.0	290.0	217.0	146.0	52.0	0.0	7.2	171.1	15.7
Apodaca	565.9	570.6	194.8	0.2	3.0	0.34	422.5	250.3	136.3	26.9	0.0	0.0	3.8	227.3	5.7
Aramberri	351.1	312.0	123.2	1.0	3.6	0.35	302.0	250.0	220.0	185.0	121.0	54.0	8.4	182.5	20.9
Bustamante	319.9	318.1	104.4	0.2	5.0	0.33	243.0	150.7	89.5	30.9	0.0	0.0	3.6	144.5	5.4
Cadereyta Jiménez	725.2	677.2	249.4	0.8	3.8	0.34	700.0	524.0	408.0	295.0	140.0	15.0	8.3	333.3	15.8
Carmen	352.1	310.6	127.2	1.0	3.7	0.36	319.0	264.0	228.0	193.0	139.0	91.0	16.4	154.0	39.5
Cerralvo	572.6	533.1	207.3	0.7	3.3	0.36	520.0	382.0	319.0	224.0	46.0	0.0	9.9	230.2	19.3
Ciénega de Flores	660.8	635.5	248.1	0.7	4.0	0.38	640.0	488.0	386.0	278.0	113.0	0.0	15.2	202.8	31.0
China	542.1	502.3	181.3	1.0	5.5	0.33	529.0	397.0	309.0	221.0	98.0	0.0	9.6	216.4	20.8
Doctor Arroyo	476.6	442.0	162.3	0.9	4.1	0.34	425.0	332.0	269.0	193.0	60.0	0.0	7.0	229.0	14.8
Doctor Coss	580.9	497.2	239.2	0.7	3.8	0.41	495.0	388.0	319.0	238.0	88.0	0.0	13.2	199.3	26.2
Doctor González	590.7	550.7	216.2	1.1	4.5	0.37	530.0	396.0	307.0	205.0	38.0	0.0	5.6	288.1	11.5
Galeana	360.8	352.4	103.6	0.7	4.6	0.29	369.0	279.0	220.0	164.0	91.0	36.0	7.6	191.2	14.3
García	316.6	279.5	112.5	1.2	4.4	0.36	279.0	242.0	206.0	133.0	12.0	0.0	10.7	154.0	16.9
San Pedro Garza García	511.2	489.0	202.7	0.7	3.0	0.40	465.0	335.0	250.0	160.0	26.0	0.0	6.4	231.5	11.6
General Bravo	531.6	471.8	180.8	0.1	2.5	0.34	483.0	387.0	342.0	293.0	215.0	138.0	47.6	143.4	95.8
General Escobedo	316.6	279.5	112.5	1.2	4.4	0.36	279.0	242.0	206.0	133.0	12.0	0.0	10.7	154.0	16.9
General Terán	735.9	706.8	247.1	1.1	5.9	0.34	681.0	521.0	406.0	272.0	45.0	0.0	8.1	308.9	16.7
General Treviño	600.5	536.3	272.8	1.1	4.5	0.45	474.0	352.0	266.0	128.0	0.0	0.0	5.1	225.6	12.8
General Zaragoza	470.0	475.0	149.8	0.5	3.9	0.32	462.0	368.0	309.0	254.0	182.0	127.0	12.7	236.5	24.9
General Zuazua	627.8	608.4	214.2	0.7	4.5	0.34	618.0	504.0	429.0	352.0	241.0	143.0	34.1	188.0	73.6
Guadalupe	565.9	570.6	194.8	0.2	3.0	0.34	422.5	250.3	136.3	26.9	0.0	0.0	3.8	227.3	5.7

Tabla C.141. Características estadísticas de la lluvia anual de cada municipio del estado de Nuevo León.

Municipio	Estadísticos de la lluvia promedio municipal						Lámmina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima registrada	Tr(años) para
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años			
	X _p (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
Herrerias, Los	611.6	522.4	428.3	3.3	17.1	0.70	564.0	337.0	178.0	8.0	0.0	0.0	4.0	138.6	11.8
Higueras	548.7	499.3	210.1	0.8	3.9	0.38	490.0	380.0	309.0	228.0	89.0	0.0	14.4	173.1	29.8
Hualahuises	685.0	667.5	208.6	0.4	4.1	0.30	676.0	526.0	426.0	327.0	189.0	77.0	28.8	160.6	59.9
Iturbide	671.5	640.5	186.6	0.4	2.3	0.28	639.0	500.0	431.0	367.0	283.0	218.0	6.8	407.8	12.8
Juárez	651.7	610.6	249.0	0.9	4.2	0.38	601.0	458.0	362.0	258.0	94.0	0.0	8.6	271.1	18.5
Lampazos de Naranjo	429.2	392.0	203.7	1.5	7.1	0.47	400.0	277.0	193.0	108.0	0.0	0.0	7.2	124.5	17.6
Linares	685.0	667.5	208.6	0.4	4.1	0.30	676.0	526.0	426.0	327.0	189.0	77.0	28.8	160.6	59.9
Marín	540.7	499.3	216.3	1.0	4.5	0.40	490.0	361.0	273.0	175.0	14.0	0.0	9.8	173.1	20.3
Meichor Ocampo	616.2	560.5	285.9	1.1	4.5	0.46	518.0	353.0	240.0	95.0	0.0	0.0	6.5	182.1	13.5
Mier y Noriega	514.8	500.3	161.3	0.5	3.9	0.31	476.0	384.0	311.0	195.0	38.0	0.0	16.0	153.7	25.4
Mina	300.9	248.8	117.9	1.0	3.4	0.39	254.0	210.0	184.0	158.0	122.0	90.0	8.0	149.9	24.8
Montemorelos	714.7	698.8	228.2	0.6	3.3	0.32	690.0	541.0	448.0	360.0	247.0	162.0	11.1	345.0	22.6
Monterrey	511.2	489.0	202.7	0.7	3.0	0.40	465.0	335.0	250.0	160.0	26.0	0.0	6.4	231.5	11.6
Perás	471.3	424.0	221.5	1.1	4.4	0.47	457.0	329.0	247.0	170.0	70.0	0.0	6.2	212.0	13.7
Pesqueria	540.7	499.3	216.3	1.0	4.5	0.40	490.0	361.0	273.0	175.0	14.0	0.0	9.8	173.1	20.3
Ramones, Los	613.3	578.7	192.1	1.0	4.3	0.31	561.0	435.0	377.0	277.0	89.0	0.0	5.4	341.2	13.5
Rayones	423.1	390.6	145.7	1.2	5.6	0.34	392.0	307.0	248.0	185.0	81.0	0.0	7.7	196.3	17.8
Sabinas Hidalgo	475.2	443.9	179.1	0.8	3.7	0.38	427.0	315.0	245.0	164.0	29.0	0.0	7.5	205.4	14.3
Salinas Victoria	516.4	498.4	166.8	0.5	4.4	0.32	520.0	380.0	286.0	194.0	71.0	0.0	12.3	173.1	23.5
San Nicolás de los Garza	565.9	570.6	194.8	0.2	3.0	0.34	422.5	250.3	136.3	26.9	0.0	0.0	3.8	227.3	5.7
Hidalgo	352.1	310.6	127.2	1.0	3.7	0.36	319.0	264.0	228.0	193.0	139.0	91.0	16.4	154.0	39.5
Santa Catarina	549.3	538.8	204.8	0.5	4.1	0.37	532.0	410.0	333.0	258.0	158.0	81.0	22.0	154.0	51.9
Santiago	774.7	740.4	299.1	0.6	3.4	0.39	734.0	542.0	416.0	290.0	114.0	0.0	16.1	208.0	30.9
Vallecillo	471.3	424.0	221.5	1.1	4.4	0.47	457.0	329.0	247.0	170.0	70.0	0.0	6.2	212.0	13.7
Villaldama	319.9	318.1	104.4	0.2	5.0	0.33	243.0	150.7	89.5	30.9	0.0	0.0	3.6	144.5	5.4
Estatad	538.9	515.6	141.2	0.6	3.4	0.26	515.0	432.0	380.0	328.0	254.0	193.0	34.1	218.8	75.3

Tabla C.141. Características estadísticas de la lluvia anual de cada municipio del estado de Nuevo León.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Abasolo	203.2	252.3	301.5	350.6	399.8	449.0	498.1	547.3	596.4	645.6	5.1	10.2	30.7	15.3	12.8	5.1	5.1	5.1	0.0	10.2
Aguaqueguas	423.9	572.4	720.8	869.3	1017.7	1166.1	1314.6	1463.0	1611.5	1759.9	41.6	33.3	8.9	8.3	0.0	0.0	0.0	0.0	0.0	8.3
Aldamas, Los	313.1	444.1	575.1	706.1	837.1	968.0	1099.0	1230.0	1361.0	1492.0	10.4	20.8	20.8	20.8	10.4	6.2	2.0	4.1	2.0	2.0
Allende	627.9	773.3	918.8	1064.2	1209.7	1355.2	1500.6	1646.1	1791.5	1937.0	11.5	11.5	15.3	19.2	3.8	11.5	11.5	7.6	3.8	3.8
Anáhuac	251.4	331.7	412.0	492.3	572.7	653.0	733.3	813.6	893.9	974.2	11.1	24.0	18.5	20.3	9.2	5.5	1.8	5.5	1.8	1.8
Apodaca	296.7	366.0	435.4	504.7	574.1	643.4	712.8	782.1	851.5	920.8	11.1	3.7	14.8	3.7	18.5	18.5	7.4	7.4	3.7	11.1
Aramberri	227.3	272.1	317.0	361.8	406.6	451.4	496.2	541.1	585.9	630.7	8.0	28.0	16.0	12.0	12.0	0.0	8.0	4.0	4.0	8.0
Bustamante	181.2	217.9	254.6	291.3	328.0	364.7	401.4	438.1	474.8	511.5	10.0	0.0	30.0	10.0	0.0	10.0	30.0	0.0	0.0	10.0
Cadereyta Jiménez	438.4	543.5	648.6	753.7	858.8	963.9	1069.0	1174.1	1279.2	1384.3	9.3	16.2	18.5	13.9	16.2	11.6	2.3	4.6	2.3	4.6
Carmen	203.2	252.3	301.5	350.6	399.8	449.0	498.1	547.3	596.4	645.6	5.1	10.2	30.7	15.3	12.8	5.1	5.1	5.1	0.0	10.2
Cerralvo	320.4	410.5	500.7	590.8	680.9	771.1	861.2	951.4	1041.6	1131.7	4.2	21.2	19.1	12.7	12.7	14.8	4.2	4.2	4.2	2.1
Ciénega de Flores	321.6	440.3	559.1	677.9	796.7	915.4	1034.2	1153.0	1271.7	1390.5	8.6	10.8	10.8	32.6	13.0	8.6	6.5	6.5	0.0	2.1
China	314.4	412.4	510.3	608.3	706.3	804.3	902.3	1000.2	1098.2	1196.2	7.6	13.4	30.7	17.3	15.3	7.6	3.8	1.9	0.0	1.9
Doctor Arroyo	301.7	374.4	447.1	519.8	592.5	665.2	737.9	810.6	883.3	956.0	11.1	15.5	26.5	8.8	17.7	8.8	4.4	2.2	2.2	2.2
Doctor Coss	288.8	378.3	467.8	557.3	646.8	736.3	825.8	915.3	1004.8	1094.3	5.8	5.8	29.8	17.6	0.0	17.6	5.8	0.0	11.7	5.8
Doctor González	382.4	476.8	571.1	665.4	759.8	854.1	948.4	1042.7	1137.1	1231.4	14.8	21.2	17.0	17.0	10.6	8.5	4.2	2.1	0.0	4.2
Galeana	242.8	294.4	346.0	397.6	449.2	500.8	552.4	604.0	655.6	707.2	16.0	8.0	22.0	22.0	14.0	10.0	4.0	2.0	0.0	2.0
García	200.7	247.4	294.0	340.7	387.4	434.1	480.8	527.4	574.1	620.8	7.6	15.3	38.4	10.2	7.6	2.5	7.6	2.5	2.5	5.1
San Pedro Garza García	305.3	379.2	453.0	526.8	600.7	674.5	748.3	822.1	896.0	969.8	15.0	17.5	7.5	22.5	7.5	10.0	7.5	2.5	2.5	7.5
General Bravo	219.3	295.2	371.0	446.9	522.8	598.7	674.6	750.4	826.3	902.2	4.2	2.1	12.7	21.2	14.8	8.5	8.5	10.6	12.7	4.2
General Escobedo	200.7	247.4	294.0	340.7	387.4	434.1	480.8	527.4	574.1	620.8	7.6	15.3	38.4	10.2	7.6	2.5	7.6	2.5	2.5	5.1
General Terán	442.0	575.1	708.2	841.3	974.5	1107.6	1240.7	1373.8	1506.9	1640.0	4.3	26.0	19.5	19.5	13.0	10.8	4.3	0.0	0.0	2.1
General Treviño	349.2	472.7	596.3	719.8	843.3	966.9	1090.5	1214.0	1337.6	1461.1	18.1	27.2	9.0	13.6	15.9	6.8	2.2	4.5	0.0	2.2
General Zaragoza	290.0	343.5	396.9	450.4	503.9	557.4	610.9	664.3	717.8	771.3	7.1	7.1	28.5	0.0	21.4	14.2	7.1	0.0	7.1	7.1
General Zuazua	289.4	390.7	492.1	593.4	694.8	796.2	897.5	998.9	1100.2	1201.6	6.3	4.2	8.5	25.5	23.4	14.8	6.3	4.2	0.0	6.3
Guadalupe	296.7	366.0	435.4	504.7	574.1	643.4	712.8	782.1	851.5	920.8	11.1	3.7	14.8	3.7	18.5	18.5	7.4	7.4	3.7	11.1

Tabla C.142. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Nuevo León.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Herrerías, Los	390.8	643.0	895.2	1147.4	1399.6	1651.7	1903.9	2156.1	2408.3	2660.5	27.2	38.6	27.2	2.2	0.0	0.0	0.0	2.2	0.0	2.2
Higueras	268.0	363.0	457.9	552.9	647.8	742.7	837.7	932.6	1027.6	1122.5	6.3	6.3	21.2	27.6	6.3	17.0	6.3	4.2	0.0	4.2
Hualahuises	273.0	385.3	497.7	610.0	722.4	834.7	947.1	1059.4	1171.8	1284.1	1.5	6.2	4.6	20.3	29.6	20.3	6.2	6.2	1.5	3.1
Iturbide	468.6	529.4	590.2	651.0	711.7	772.5	833.3	894.1	954.9	1015.7	17.5	15.0	5.0	15.0	7.5	12.5	5.0	7.5	2.5	12.5
Juárez	382.4	493.7	605.1	716.4	827.7	939.0	1050.3	1161.7	1273.0	1384.3	10.0	17.5	17.5	25.0	10.0	7.5	2.5	7.5	0.0	2.5
Lampazos de Naranjo	233.6	342.6	451.7	560.7	669.8	778.8	887.8	996.9	1106.0	1215.0	14.0	22.0	28.0	20.0	2.0	8.0	2.0	2.0	0.0	2.0
Linares	273.0	385.3	497.7	610.0	722.4	834.7	947.1	1059.4	1171.8	1284.1	1.5	6.2	4.6	20.3	29.6	20.3	6.2	6.2	1.5	3.1
Marín	275.4	377.7	480.1	582.4	684.7	787.0	889.3	991.7	1094.0	1196.3	8.5	12.7	25.5	19.1	12.7	8.5	6.3	0.0	4.2	2.1
Melchor Ocampo	313.1	444.1	575.1	706.1	837.1	968.0	1099.0	1230.0	1361.0	1492.0	10.4	20.8	20.8	20.8	10.4	6.2	2.0	4.1	2.0	2.0
Mier y Noriega	233.9	314.2	394.4	474.6	554.9	635.1	715.3	795.5	875.8	956.0	4.5	0.0	13.6	27.2	15.9	20.4	4.5	6.8	4.5	2.2
Mina	192.6	235.3	278.0	320.7	363.4	406.0	448.7	491.4	534.1	576.8	16.1	19.3	22.5	9.6	3.2	6.4	9.6	6.4	0.0	6.4
Montemorelos	434.8	524.6	614.4	704.2	794.0	883.8	973.6	1063.4	1153.2	1243.0	7.5	15.0	15.0	17.5	12.5	12.5	5.0	7.5	2.5	5.0
Monterrey	305.3	379.2	453.0	526.8	600.7	674.5	748.3	822.1	896.0	969.8	15.0	17.5	7.5	22.5	7.5	10.0	7.5	2.5	2.5	7.5
Perás	303.3	394.7	486.0	577.4	668.7	760.0	851.4	942.7	1034.1	1125.4	25.7	14.2	20.0	14.2	11.4	0.0	5.7	5.7	0.0	2.8
Pesquería	275.4	377.7	480.1	582.4	684.7	787.0	889.3	991.7	1094.0	1196.3	8.5	12.7	25.5	19.1	12.7	8.5	6.3	0.0	4.2	2.1
Ramones, Los	429.7	518.2	606.6	695.1	783.6	872.1	960.6	1049.0	1137.5	1226.0	13.9	27.9	13.9	18.6	4.6	11.6	4.6	2.3	0.0	2.3
Rayones	270.1	344.0	417.8	491.6	565.4	639.3	713.1	786.9	860.8	934.6	11.9	11.9	35.7	14.2	7.1	14.2	2.3	0.0	0.0	2.3
Sabinas Hidalgo	274.0	342.7	411.3	479.9	548.6	617.2	685.8	754.4	823.1	891.7	8.5	17.1	14.2	14.2	20.0	8.5	5.7	0.0	2.8	8.5
Saínas Victoria	259.0	344.9	430.9	516.8	602.7	688.6	774.5	860.5	946.4	1032.3	4.5	9.0	15.9	22.7	18.1	15.9	9.0	2.2	0.0	2.2
San Nicolás de los Carz	296.7	366.0	435.4	504.7	574.1	643.4	712.8	782.1	851.5	920.8	11.1	3.7	14.8	3.7	18.5	18.5	7.4	7.4	3.7	11.1
Hidalgo	203.2	252.3	301.5	350.6	399.8	449.0	498.1	547.3	596.4	645.6	5.1	10.2	10.2	17.9	30.7	7.6	5.1	7.6	0.0	5.1
Santa Catarina	247.6	341.1	434.7	528.2	621.8	715.3	808.8	902.4	995.9	1089.5	5.1	10.2	10.2	17.9	30.7	7.6	5.1	7.6	0.0	5.1
Santiago	329.3	450.5	571.8	693.1	814.3	935.6	1056.9	1178.2	1299.4	1420.7	4.2	6.3	14.8	19.1	17.0	14.8	8.5	2.1	2.1	10.6
Vallecillo	303.3	394.7	486.0	577.4	668.7	760.0	851.4	942.7	1034.1	1125.4	25.7	14.2	20.0	14.2	11.4	0.0	5.7	5.7	0.0	2.8
Villaldama	181.2	217.9	254.6	291.3	328.0	364.7	401.4	438.1	474.8	511.5	10.0	0.0	30.0	10.0	0.0	10.0	30.0	0.0	0.0	10.0
Estatal	286.1	353.3	420.6	487.8	555.1	622.4	689.6	756.9	824.1	891.4	1.4	4.4	11.7	20.5	26.4	11.7	8.8	4.4	5.8	4.4

Tabla C.142. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Nuevo León.

Municipio	Características promedio de la sequía meteorológica municipal									Hv disponible Hp disp S(mm)	Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DeavStd PerS	Duración	DeavStd DS	Severidad	DeavStd SS	Intensidad	% de IS	respecto a X _s			
	Per(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)					
Abasolo	3.5	1.6	2.1	1.4	173.6	87.2	82.6	23.0		269.4	4.5	MUY VASTA
Aguaqueguas	3.3	0.4	2.2	0.4	381.6	220.8	173.4	31.0		376.8	2.7	MUY CRITICA
Aldamas, Los	4.0	1.4	2.2	1.1	442.6	259.0	201.1	32.0		415.0	3.4	MUY CRITICA
Allende	3.8	2.4	2.1	1.3	576.2	523.1	274.3	25.0		319.9	4.0	MUY VASTA
Anáhuac	4.4	2.4	2.4	1.6	273.9	226.6	114.1	26.0		312.5	4.1	MUY VASTA
Apodaca	4.1	1.2	1.8	0.9	290.2	96.9	161.2	28.0		404.6	2.2	VASTA
Aramberri	5.7	3.2	2.8	3.1	243.6	303.9	87.0	24.0		264.0	3.7	MUY VASTA
Bustamante	3.0	0.5	1.6	0.4	141.9	60.6	88.6	27.0		231.2	2.2	VASTA
Cadereyta Jiménez	4.1	1.6	2.5	1.8	414.9	305.4	165.9	22.0		359.2	4.1	MUY VASTA
Carmen	3.5	1.6	2.1	1.4	173.6	87.2	82.6	23.0		269.4	4.5	MUY VASTA
Cerralvo	4.0	1.5	2.0	1.2	328.4	174.9	164.1	28.0		408.4	3.7	MUY VASTA
Ciénega de Flores	3.4	1.1	2.3	1.8	356.9	354.5	155.1	23.0		305.7	4.5	MUY VASTA
China	3.6	2.0	1.9	1.3	237.8	165.3	125.1	23.0		417.0	4.3	VASTA
Doctor Arroyo	3.3	1.7	1.7	1.3	207.9	175.0	122.2	25.0		354.4	3.8	VASTA
Doctor Coss	3.0	0.7	2.0	1.5	331.1	317.9	165.5	28.0		415.3	3.8	MUY VASTA
Doctor González	3.6	2.0	1.9	1.4	303.9	185.6	159.9	27.0		430.8	3.8	VASTA
Galeana	3.9	2.3	1.9	1.6	152.4	182.2	80.2	22.0		280.5	4.9	VASTA
García	3.5	1.8	2.4	1.6	165.9	101.5	69.1	21.0		247.5	4.3	MUY VASTA
San Pedro Garza García	3.9	2.3	2.1	1.8	292.3	349.2	139.1	27.0		372.1	3.7	MUY VASTA
General Bravo	3.7	1.4	1.9	0.8	279.5	153.8	147.1	27.0		384.5	5.2	VASTA
General Escobedo	3.5	1.8	2.4	1.6	165.9	101.5	69.1	21.0		247.5	4.3	MUY VASTA
General Terán	3.3	1.9	2.1	1.4	361.8	297.7	172.2	23.0		553.7	3.8	MUY VASTA
General Treviño	3.8	1.6	2.0	0.9	399.0	235.5	199.5	33.0		400.9	3.2	MUY CRITICA
General Zaragoza	3.9	1.6	1.7	0.8	207.2	106.5	121.8	25.0		348.2	6.3	VASTA
General Zuazua	3.4	0.9	1.9	1.3	279.8	214.2	147.2	23.0		480.5	6.2	VASTA
Guadalupe	4.1	1.2	1.8	0.9	290.2	96.9	161.2	28.0		404.6	2.2	VASTA

Tabla C.143. Características de la sequía promedio de cada municipio del estado de Nuevo León.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de JS	Hvía disponible			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X.	Hp disp S(mm)	Hp disp S(mm)		
Herrerías, Los	3.8	2.2	2.2	2.2	497.6	496.6	226.1	36.0	385.5	4.1	MUY CRITICA	
Higueras	3.7	1.5	2.2	1.5	304.2	334.1	138.2	25.0	410.4	3.7	MUY VASTA	
Hualahuises	3.8	1.9	1.9	1.5	295.9	223.6	155.7	22.0	529.2	4.9	VASTA	
Iturbide	3.3	1.2	1.7	1.0	261.9	226.1	154.0	22.0	517.5	4.3	VASTA	
Juárez	3.9	2.3	2.0	1.6	347.0	321.7	173.5	26.0	478.2	4.3	MUY VASTA	
Lampazos de Naranjo	4.3	2.2	2.4	2.1	299.8	400.0	124.9	29.0	304.3	4.0	MUY VASTA	
Linares	3.8	1.9	1.9	1.5	295.9	223.6	155.7	22.0	529.2	4.9	VASTA	
Marín	4.0	1.5	2.4	1.6	322.6	318.6	134.4	24.0	406.3	3.5	MUY VASTA	
Melchor Ocampo	4.0	1.4	2.2	1.1	442.6	259.0	201.1	32.0	415.0	3.4	MUY CRITICA	
Mier y Noriega	3.0	1.0	1.6	0.7	199.4	115.9	124.6	24.0	390.2	4.6	VASTA	
Mina	4.1	2.2	2.6	1.9	188.3	141.4	72.4	24.0	228.4	3.3	MUY VASTA	
Montemorelos	4.1	2.6	2.2	1.5	357.0	390.2	162.2	22.0	552.4	4.6	MUY VASTA	
Monterrey	3.9	2.3	2.1	1.8	292.3	349.2	139.1	27.0	372.1	3.7	MUY VASTA	
Perás	5.4	2.6	2.8	1.6	427.0	299.4	152.5	32.0	318.8	5.4	MUY CRITICA	
Pesquería	4.0	1.5	2.4	1.6	322.6	318.6	134.4	24.0	406.3	3.5	MUY VASTA	
Ramones, Los	3.4	2.1	1.8	1.7	252.3	211.0	140.1	22.0	473.1	3.0	VASTA	
Rayones	4.8	2.3	2.7	2.3	258.3	293.2	95.6	22.0	327.4	3.9	MUY VASTA	
Sabinas Hidalgo	5.5	2.4	2.7	1.8	349.4	244.1	129.4	27.0	345.7	3.7	MUY VASTA	
Salinas Victoria	3.0	0.9	1.5	0.8	187.8	205.7	125.1	24.0	391.2	4.6	VASTA	
San Nicolás de los Garza	4.1	1.2	1.8	0.9	290.2	96.9	161.2	28.0	404.6	2.2	VASTA	
Hidalgo	3.5	1.6	2.1	1.4	173.6	87.2	82.6	23.0	269.4	4.5	MUY VASTA	
Santa Catarina	4.7	2.2	2.4	2.0	319.2	454.1	133.0	24.0	416.2	4.8	MUY VASTA	
Santiago	3.5	1.8	2.3	2.5	484.1	850.6	210.4	27.0	564.2	4.4	MUY VASTA	
Vallecillo	5.4	2.6	2.8	1.6	427.0	299.4	152.5	32.0	318.8	5.4	MUY CRITICA	
Villalón	3.0	0.5	1.6	0.4	141.9	60.6	88.6	27.0	231.2	2.2	VASTA	
Estatad	3.6	1.2	2.0	1.2	194.4	176.3	97.1	18.0	441.8	4.4	MUY SEVERA	

Tabla C.143. Características de la sequía promedio de cada municipio del estado de Nuevo León.

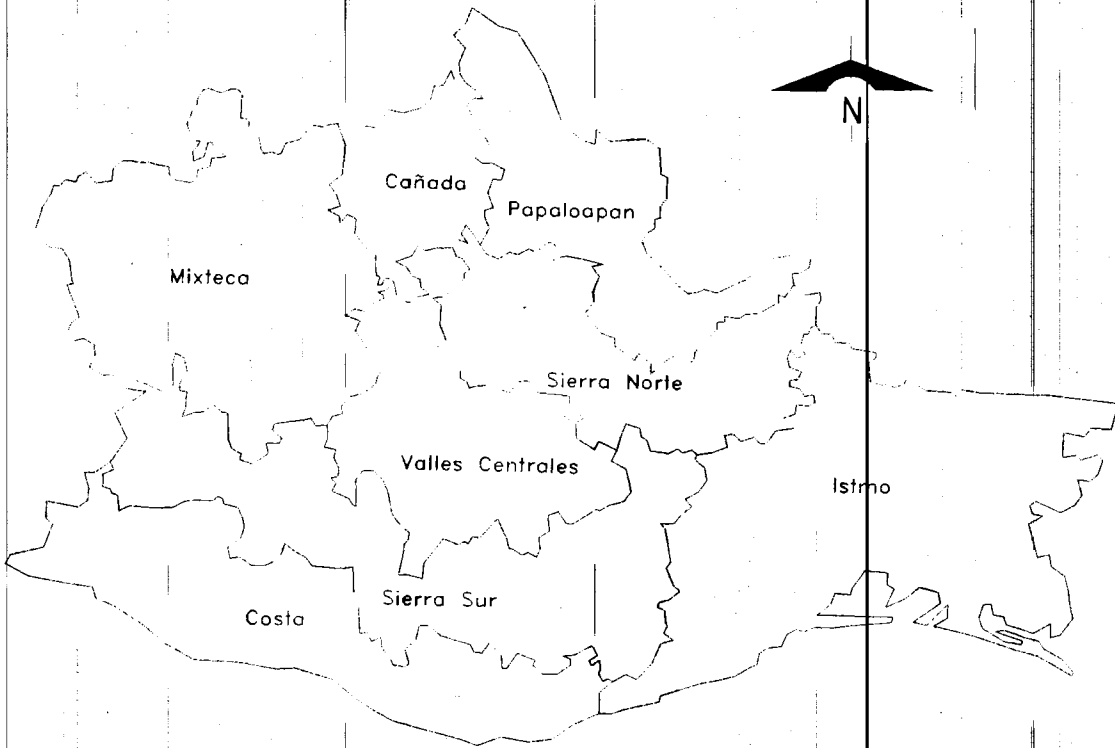
Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^m =Smáx/Dmáx	% de I ^m	Intensidad	Duración I máx	% de I máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I ^m (mm/año)	respecto a X ₀	I máx(mm/año)	D I máx(años)	respecto a X ₀	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Abasolo	309.4	3.0	103.1	29.0	198.0	1.0	56.0	45.4	18.1	27.2	0.0	0.0	9.0	0.0	0.0	0.0	0.0
Aguaqueguas	745.8	3.0	248.6	45.0	248.6	3.0	45.0	0.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aldamas, Los	1079.6	4.0	269.9	43.0	318.3	1.0	51.0	33.3	33.3	8.3	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Allende	1386.7	3.0	462.2	42.0	462.2	3.0	42.0	42.8	28.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Anáhuac	885.3	5.0	177.0	41.0	249.4	2.0	58.0	30.7	38.4	15.3	0.0	7.6	0.0	7.6	0.0	0.0	0.0
Apodaca	417.8	4.0	104.4	18.0	264.6	1.0	46.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Aramberri	848.9	9.0	94.3	26.0	125.8	1.0	35.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bustamante	218.2	2.0	109.1	34.0	109.1	2.0	34.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0
Cadereyta	933.5	6.0	155.5	21.0	246.2	2.0	33.0	50.0	10.0	10.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0
Carmen	309.4	3.0	103.1	29.0	198.0	1.0	56.0	45.4	18.1	27.2	0.0	0.0	9.0	0.0	0.0	0.0	0.0
Cerralvo	703.0	4.0	175.7	30.0	342.3	1.0	59.0	50.0	16.6	8.3	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Ciénega de F	1350.0	8.0	168.7	25.0	458.0	1.0	69.0	41.6	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
China	509.6	6.0	84.9	15.0	240.2	1.0	44.0	53.3	26.6	6.6	6.6	0.0	6.6	0.0	8.3	0.0	0.0
Doctor Arroyo	628.9	6.0	104.8	21.0	247.6	1.0	51.0	57.1	28.5	7.1	0.0	0.0	7.1	0.0	0.0	0.0	0.0
Doctor Coss	949.9	5.0	189.9	32.0	218.8	1.0	37.0	60.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Doctor González	741.1	4.0	185.2	31.0	287.9	1.0	48.0	53.8	23.0	7.6	7.6	0.0	7.6	0.0	0.0	0.0	0.0
Galeana	637.7	6.0	106.2	29.0	154.7	2.0	42.0	61.5	15.3	7.6	0.0	7.6	7.6	0.0	0.0	0.0	0.0
García	411.9	5.0	82.3	25.0	149.7	1.0	47.0	40.0	30.0	10.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0
San Pedro G G	983.9	5.0	196.7	38.0	247.9	2.0	48.0	54.5	27.2	0.0	0.0	9.0	0.0	9.0	0.0	0.0	0.0
General Bravo	576.2	3.0	192.0	36.0	246.5	2.0	46.0	30.7	46.1	15.3	7.6	0.0	0.0	0.0	0.0	0.0	0.0
General Escob.	411.9	5.0	82.3	25.0	149.7	1.0	47.0	40.0	30.0	10.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0
General Terán	1038.9	5.0	207.7	28.0	275.1	1.0	37.0	41.6	33.3	8.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
General Treviño	917.7	4.0	229.4	38.0	268.0	1.0	44.0	33.3	41.6	16.6	8.3	0.0	0.0	0.0	0.0	0.0	0.0
General Zaragoza	364.4	3.0	121.4	25.0	156.0	1.0	33.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
General Zuazua	685.2	6.0	114.2	18.0	439.7	1.0	70.0	46.1	30.7	15.3	0.0	0.0	7.6	0.0	0.0	0.0	0.0
Guadalupe	417.8	4.0	104.4	18.0	264.6	1.0	46.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.144. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Nuevo León.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años	
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_n	$I^*(mm/año)$	$D_{máx}(años)$	respecto a X_n	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
Herrerías, Los	1981.0	9.0	220.1	35.0	339.5	1.0	55.0	54.5	18.1	18.1	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0
Higueras	1271.6	6.0	211.9	38.0	211.9	6.0	38.0	46.1	23.0	7.6	15.3	0.0	7.6	0.0	0.0	0.0	0.0	0.0
Hualahuises	776.1	7.0	110.8	16.0	322.9	1.0	47.0	52.9	29.4	5.8	5.8	0.0	0.0	5.8	0.0	0.0	0.0	0.0
Iturbide	777.7	4.0	194.4	28.0	204.4	1.0	30.0	58.3	16.6	16.6	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Juárez	981.7	5.0	196.3	30.0	318.4	1.0	48.0	54.5	27.2	0.0	0.0	9.0	9.0	0.0	0.0	0.0	0.0	0.0
Lampazos	1569.8	9.0	174.4	40.0	211.7	1.0	49.0	33.3	33.3	25.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0
Linares	776.1	7.0	110.8	16.0	322.9	1.0	47.0	52.9	29.4	5.8	5.8	0.0	0.0	5.8	0.0	0.0	0.0	0.0
Marín	1224.0	6.0	204.0	37.0	220.7	1.0	40.0	41.6	25.0	0.0	25.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0
Melchor Ocampo	1079.6	4.0	269.9	43.0	318.3	1.0	51.0	33.3	33.3	8.3	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mier y Noriega	393.1	2.0	196.5	38.0	196.5	2.0	38.0	50.0	35.7	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mina	430.1	7.0	61.4	20.0	123.8	1.0	41.0	37.5	25.0	12.5	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Montemorelos	1393.9	6.0	232.3	32.0	232.3	6.0	32.0	50.0	20.0	14.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
Monterrey	983.9	5.0	196.7	38.0	247.9	2.0	48.0	54.5	27.2	0.0	0.0	9.0	0.0	9.0	0.0	0.0	0.0	0.0
Perás	944.9	6.0	157.4	33.0	227.3	3.0	48.0	28.5	14.2	24.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Pesquería	1224.0	6.0	204.0	37.0	220.7	1.0	40.0	41.6	25.0	0.0	25.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0
Ramones, Los	738.4	4.0	184.6	30.0	272.0	1.0	44.0	69.2	15.3	0.0	7.6	0.0	0.0	7.6	0.0	0.0	0.0	0.0
Rayones	798.0	7.0	114.0	26.0	114.0	7.0	26.0	44.4	22.2	11.1	0.0	0.0	0.0	22.2	0.0	0.0	0.0	0.0
Sabinas Hidalgo	745.5	6.0	124.2	26.0	178.6	2.0	37.0	42.8	14.2	0.0	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Salinas Victoria	677.8	3.0	225.9	43.0	225.9	3.0	43.0	66.6	20.0	6.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
San Nicolás	417.8	4.0	104.4	18.0	264.6	1.0	46.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hidalgo	309.4	3.0	103.1	29.0	198.0	1.0	56.0	45.4	18.1	27.2	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
Santa Catarina	1476.0	6.0	246.0	44.0	246.0	6.0	44.0	55.5	11.1	11.1	0.0	0.0	22.2	0.0	0.0	0.0	0.0	0.0
Santiago	3056.2	9.0	339.5	43.0	339.5	9.0	43.0	63.6	18.1	0.0	0.0	0.0	9.0	0.0	0.0	9.0	0.0	0.0
Vallecillo	944.9	6.0	157.4	33.0	227.3	3.0	48.0	28.5	14.2	28.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Villedama	218.2	2.0	109.1	34.0	109.1	2.0	34.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Estatal	745.4	6.0	124.2	23.0	238.3	2.0	44.0	42.1	31.5	15.7	5.2	0.0	5.2	0.0	0.0	0.0	0.0	0.0

Tabla C.144. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Nuevo León.

OAXACA



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de					retorno (Tr)	Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	
	X _a (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
HA20001	2510.8	2577.8	924.0	-0.2	4.4	0.37	2591.0	1824.0	1316.0	825.0	182.0	0.0	19.3	402.8	36.5
HA20002	420.0	430.1	132.0	0.3	4.3	0.31	421.0	318.0	241.0	156.0	22.0	0.0	13.7	144.0	21.8
HA20003	513.0	503.2	150.7	0.6	4.9	0.29	510.0	366.0	270.0	175.0	48.0	0.0	9.9	195.4	17.2
HA20004	750.3	726.1	242.9	0.7	3.3	0.32	686.0	543.0	453.0	313.0	92.0	0.0	10.9	346.4	17.3
HA20005	524.1	550.0	196.2	0.4	3.8	0.37	532.0	333.0	263.0	181.0	40.0	0.0	6.0	247.9	11.5
HA20006	3411.3	3295.6	417.3	1.2	4.9	0.12	3255.0	3068.0	2934.0	2745.0	2372.0	2060.0	8.8	2783.0	17.8
HA20007	1334.0	1334.0	311.5	-0.3	3.5	0.23	1333.0	1101.0	964.0	834.0	667.0	541.0	23.8	681.8	46.1
HA20008	2331.5	2308.5	522.5	0.1	5.6	0.22	2326.0	1951.0	1687.0	1407.0	986.0	623.0	32.5	912.0	58.0
HA20009	511.2	498.8	174.3	0.0	2.7	0.34	501.0	370.0	292.0	219.0	126.0	56.0	18.3	161.0	35.3
HA20010	2118.7	2034.5	593.0	0.9	4.3	0.28	2041.0	1692.0	1472.0	1263.0	993.0	791.0	9.9	1234.0	22.0
HA20012	5831.4	5877.3	715.6	-0.2	7.2	0.12	5849.0	5476.0	5138.0	4636.0	3765.0	3084.0	33.5	3756.5	50.4
HA20013	703.4	692.5	232.1	0.1	4.0	0.33	736.0	540.0	412.0	289.0	130.0	11.0	18.2	201.0	33.2
HA20014	3446.4	3421.1	644.0	0.1	4.3	0.19	3478.0	2989.0	2662.0	2340.0	1905.0	1581.0	20.4	2025.9	38.9
HA20015	1830.2	1710.0	423.2	0.6	4.4	0.23	1714.0	1441.0	1276.0	1116.0	894.0	714.0	13.3	1024.9	29.3
HA20016	4482.4	4349.0	1005.7	0.6	4.2	0.22	4349.0	3772.0	3388.0	2996.0	2422.0	1922.0	32.7	2248.3	64.3
HA20017	2117.7	2010.6	322.5	0.9	3.9	0.15	2015.0	1870.0	1780.0	1688.0	1552.0	1427.0	10.6	1646.0	27.1
HA20018	1859.8	1760.5	709.7	1.8	8.0	0.38	1337.5	710.1	294.7	0.0	0.0	0.0	2.3	909.1	3.7
HA20019	530.2	530.0	178.2	-0.1	3.1	0.34	525.0	378.0	292.0	209.0	100.0	14.0	21.0	121.6	41.7
HA20020	816.8	766.1	213.3	0.4	4.5	0.26	827.0	642.0	519.0	399.0	242.0	121.0	10.5	410.5	18.7
HA20022	591.5	584.6	227.8	-0.1	3.7	0.39	590.0	455.0	327.0	170.0	0.0	0.0	17.4	112.5	25.5
HA20023	1034.3	972.0	207.6	0.2	2.3	0.20	982.0	857.0	787.0	722.0	640.0	578.0	17.3	663.5	38.3
HA20024	509.5	488.7	167.2	1.8	9.1	0.33	486.0	381.0	304.0	215.0	49.0	0.0	10.6	202.9	21.7
HA20025	447.6	429.0	142.7	0.6	3.8	0.32	424.0	331.0	272.0	211.0	125.0	51.0	10.4	208.1	20.7
HA20026	943.8	930.9	211.2	0.4	5.7	0.22	930.0	812.0	711.0	569.0	359.0	200.0	21.6	437.0	35.6
HA20027	918.6	845.7	255.4	0.7	3.3	0.28	833.0	678.0	609.0	506.0	297.0	124.0	6.5	545.7	16.0
HA20028	567.9	606.3	148.0	-1.0	5.1	0.26	592.0	453.0	376.0	307.0	221.0	158.0	39.7	181.4	77.1
HA20029	4097.2	3873.2	891.8	0.9	4.4	0.22	3842.0	3274.0	2914.0	2527.0	1920.0	1377.0	11.3	2440.4	23.1
HA20030	2604.7	2688.8	670.6	-0.8	3.3	0.26	2717.0	2128.0	1751.0	1392.0	928.0	581.0	18.2	1203.5	28.9
HA20031	459.2	448.9	130.4	0.5	3.1	0.28	438.0	333.0	295.0	249.0	164.0	86.0	8.7	252.6	19.1
HA20032	946.8	890.5	259.0	0.6	3.7	0.27	911.0	745.0	642.0	541.0	408.0	304.0	13.3	493.0	28.0
HA20034	701.9	705.8	147.4	-0.3	4.1	0.21	707.0	603.0	527.0	444.0	325.0	229.0	26.2	343.1	43.7
HA20036	2643.7	2658.9	413.5	0.1	3.4	0.16	2649.0	2308.0	2071.0	1829.0	1490.0	1217.0	11.0	1864.7	18.1
HA20037	3140.1	3269.1	635.8	-0.7	4.0	0.20	2672.3	2110.2	1738.1	1381.1	919.1	572.8	7.9	1618.1	12.6
HA20038	1544.2	1524.0	262.0	0.0	3.5	0.17	1532.0	1376.0	1261.0	1129.0	924.0	754.0	21.9	1009.7	34.7
HA20039	907.3	907.0	366.2	1.0	5.0	0.40	921.0	609.0	405.0	209.0	0.0	0.0	6.0	380.1	10.9
HA20040	768.6	773.0	146.1	0.3	3.7	0.19	764.0	653.0	571.0	480.0	344.0	233.0	11.5	489.1	18.7
HA20041	964.9	980.5	222.7	-0.2	3.5	0.23	971.0	792.0	679.0	569.0	425.0	314.0	21.2	467.0	38.3
HA20043	628.8	572.0	226.3	0.8	4.6	0.36	560.0	435.0	352.0	247.0	58.0	0.0	11.0	234.5	21.4
HA20044	738.9	737.8	154.3	1.4	8.4	0.21	725.0	619.0	531.0	409.0	131.0	0.0	7.6	490.0	13.1
HA20045	1936.5	1881.1	442.1	0.6	3.4	0.23	1884.0	1625.0	1453.0	1279.0	1029.0	816.0	10.1	1294.7	18.8

Tabla C.145. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Oaxaca.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)			
	Media X _a (mm)	Mediana (mm)	Desv Std S(mm)	g	k	Cv	2 años Hp(mm)	5 años Hp(mm)	10 años Hp(mm)	20 años Hp(mm)	50 años Hp(mm)	100 años Hp(mm)	primer decil	lluvia mínima registrada Hp min(mm)	Tr(años) para Hp min
HA20046	611.2	635.0	192.9	0.6	4.4	0.32	601.0	456.0	359.0	262.0	125.0	11.0	8.0	308.3	14.4
HA20047	1469.8	1478.1	293.6	-0.4	5.7	0.20	1484.0	1297.0	1113.0	859.0	479.0	192.0	23.4	643.0	33.7
HA20048	915.3	920.9	344.9	0.5	2.8	0.38	888.0	574.0	471.0	352.0	139.0	0.0	8.6	371.6	18.0
HA20049	605.9	604.8	296.6	0.4	3.2	0.49	597.0	363.0	216.0	75.0	0.0	0.0	7.8	151.7	13.7
HA20051	706.3	722.8	160.0	-0.5	3.0	0.23	722.0	577.0	499.0	428.0	337.0	270.0	16.2	395.4	27.6
HA20052	817.0	783.6	382.3	0.3	2.8	0.47	753.0	513.0	368.0	232.0	58.0	0.0	9.4	257.5	17.6
HA20053	751.9	763.7	321.9	0.1	3.1	0.43	833.0	480.0	452.0	314.0	69.0	0.0	19.2	213.0	29.1
HA20054	837.4	837.0	249.4	-0.4	2.5	0.30	877.0	612.0	486.0	371.0	226.0	118.0	7.8	458.7	11.8
HA20055	4793.4	4744.3	711.4	0.8	4.4	0.15	4793.0	4210.0	3823.0	3444.0	2936.0	2536.0	9.1	3555.6	16.3
HA20056	1587.3	1450.9	600.5	0.0	3.1	0.38	1547.0	1107.0	840.0	589.0	267.0	26.0	17.9	408.1	33.4
HA20057	1987.1	2011.5	616.5	-1.0	5.4	0.31	1970.0	1652.0	1262.0	868.0	362.0	0.0	24.4	509.8	38.2
HA20060	888.2	844.0	339.5	0.4	2.9	0.38	864.0	600.0	439.0	286.0	86.0	0.0	9.3	321.5	17.0
HA20061	1883.8	1901.9	300.0	0.6	4.4	0.16	1876.0	1708.0	1602.0	1501.0	1371.0	1274.0	29.0	1323.1	70.5
HA20062	745.7	666.0	346.5	0.6	2.9	0.46	654.0	499.0	406.0	318.0	206.0	122.0	18.1	220.9	44.1
HA20064	1293.3	1255.1	306.2	0.2	3.5	0.24	1253.0	1046.0	925.0	811.0	663.0	552.0	14.1	753.7	28.4
HA20065	620.3	599.8	235.8	0.7	3.5	0.38	568.0	391.0	320.0	234.0	74.0	0.0	4.2	328.0	9.3
HA20066	651.7	652.0	212.0	0.3	2.7	0.33	637.0	532.0	467.0	406.0	327.0	269.0	22.9	320.5	54.3
HA20068	1475.2	1574.0	422.0	-0.2	2.3	0.29	1513.0	1066.0	930.0	808.0	648.0	523.0	19.4	646.0	50.5
HA20069	3475.7	3861.7	1294.0	-0.4	3.8	0.37	3667.0	2245.0	1575.0	959.0	114.0	0.0	12.6	877.6	21.9
HA20070	612.9	590.5	182.8	1.2	6.1	0.30	579.0	477.0	402.0	312.0	147.0	0.0	9.5	313.0	19.9
HA20071	566.8	543.0	201.5	1.9	9.2	0.36	558.0	412.0	317.0	225.0	107.0	17.0	5.0	308.6	10.6
HA20072	2310.9	2238.4	386.2	0.7	3.4	0.17	2271.0	2006.0	1839.0	1680.0	1475.0	1322.0	8.4	1740.8	15.3
HA20073	718.5	723.9	161.9	-0.4	3.8	0.23	736.0	611.0	531.0	454.0	355.0	281.0	14.2	434.1	24.0
HA20074	644.2	664.0	233.6	-0.7	5.7	0.36	665.0	486.0	367.0	251.0	95.0	0.0	24.2	129.0	41.1
HA20076	355.8	346.0	188.7	0.7	3.3	0.53	321.0	188.0	94.0	0.0	0.0	0.0	5.6	104.0	9.3
HA20077	1589.8	1582.1	262.4	-0.2	2.7	0.17	1616.0	1401.0	1263.0	1133.0	965.0	839.0	11.5	1154.0	17.9
HA20079	721.0	738.8	161.7	0.5	3.1	0.22	712.0	563.0	524.0	443.0	301.0	194.0	9.1	465.1	17.2
HA20080	757.3	716.1	447.5	3.3	18.4	0.59	714.0	555.0	438.0	294.0	0.0	0.0	9.0	207.4	27.1
HA20081	3186.5	3137.5	686.6	0.1	4.9	0.22	3096.0	2661.0	2195.0	1663.0	968.0	449.0	17.5	1397.3	28.3
HA20082	1338.1	1312.6	397.3	0.7	4.5	0.30	1344.0	1025.0	816.0	616.0	354.0	154.0	11.4	578.9	22.7
HA20083	488.1	489.6	138.4	-0.2	3.0	0.28	489.0	385.0	322.0	263.0	188.0	132.0	16.1	231.3	29.5
HA20084	1975.0	2033.7	519.5	-0.3	2.7	0.26	1990.0	1549.0	1303.0	1075.0	784.0	567.0	19.7	879.9	36.9
HA20085	756.0	729.8	227.4	1.7	12.7	0.30	734.0	653.0	531.0	243.0	0.0	0.0	17.0	161.9	24.1
HA20086	1153.2	1148.6	302.2	0.0	2.9	0.26	1168.0	956.0	735.0	525.0	253.0	50.0	12.9	537.4	19.2
HA20087	973.3	830.6	496.6	1.6	6.9	0.51	816.0	671.0	573.0	461.0	231.0	0.0	7.7	417.2	25.0
HA20088	1467.3	1255.6	770.2	1.2	4.5	0.52	1244.0	912.0	699.0	481.0	153.0	0.0	7.0	504.1	18.6
HA20090	932.7	868.1	301.2	0.4	4.8	0.32	910.0	712.0	584.0	459.0	291.0	159.0	32.0	233.4	67.9
HA20091	927.9	917.3	395.0	0.7	3.4	0.43	853.0	614.0	472.0	338.0	166.0	36.0	7.1	406.8	14.0
HA20093	729.5	504.8	385.4	1.5	6.1	0.53	497.0	456.0	424.0	316.0	0.0	0.0	1.7	384.0	15.4
HA20094	2348.8	2388.1	413.8	-0.7	3.7	0.18	2395.0	2039.0	1818.0	1611.0	1344.0	1145.0	33.9	1280.2	62.5

Tabla C.145. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Oaxaca.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de					retorno (Tr)	Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
X_c (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min	
HA20095	2710.7	2664.9	360.8	0.4	2.9	0.13	2650.0	2444.0	2323.0	2208.0	2060.0	1947.0	12.3	2155.6	27.6
HA20096	464.1	474.7	109.6	-0.3	3.6	0.24	471.0	383.0	327.0	274.0	207.0	156.0	24.0	215.4	44.4
HA20098	1145.1	1155.1	377.7	0.7	4.5	0.33	1110.0	874.0	724.0	579.0	387.0	238.0	10.3	565.3	21.3
HA20099	847.6	852.0	196.1	0.4	4.9	0.23	846.0	703.0	590.0	453.0	209.0	0.0	13.8	439.9	21.2
HA20104	540.4	564.5	236.3	0.1	3.5	0.44	544.0	316.0	229.0	147.0	36.0	0.0	6.6	204.2	12.3
HA20105	957.5	998.5	205.5	-2.4	12.2	0.21	998.0	830.0	726.0	629.0	505.0	413.0	310.3	163.1	658.5
HA20106	1225.0	1164.0	371.4	0.8	5.6	0.30	1176.0	998.0	876.0	747.0	539.0	333.0	45.0	377.0	87.5
HA20107	604.9	596.0	224.7	0.0	4.6	0.37	597.0	450.0	341.0	219.0	40.0	0.0	15.0	189.2	23.5
HA20108	663.5	664.0	128.9	0.2	3.9	0.19	663.0	566.0	504.0	444.0	367.0	308.0	14.2	424.1	25.4
HA20109	655.8	604.7	418.0	3.5	19.5	0.64	579.0	410.0	287.0	141.0	0.0	0.0	3.1	242.1	12.6
HA20112	4453.8	4520.5	1336.9	-0.7	5.1	0.30	4664.0	3682.0	2926.0	2043.0	560.0	0.0	27.4	946.9	40.2
HA20113	2690.6	2745.0	601.3	-0.4	3.0	0.22	2248.1	1716.5	1364.6	1027.0	590.0	262.5	6.1	1387.0	9.6
HA20114	3970.3	3974.3	594.9	0.6	4.4	0.15	3881.0	3367.0	3051.0	2678.0	2120.0	1681.0	7.3	2919.5	12.9
HA20115	1076.6	1054.0	356.5	0.8	6.6	0.33	1056.0	845.0	689.0	504.0	164.0	0.0	22.9	279.8	38.1
HA20116	502.1	481.7	191.6	-0.1	2.7	0.38	488.0	330.0	234.0	143.0	26.0	0.0	10.3	169.0	16.4
HA20118	657.1	656.0	152.9	1.0	5.2	0.23	642.0	563.0	511.0	463.0	400.0	352.0	18.8	398.7	50.6
HA20119	495.1	531.1	137.3	-0.2	2.9	0.28	539.0	341.0	319.0	300.0	275.0	255.0	7.3	286.9	32.2
HA20120	1203.9	1159.3	231.3	1.0	4.6	0.19	1236.0	1052.0	932.0	817.0	669.0	558.0	7.1	899.0	12.2
HA20121	550.9	550.5	240.3	0.5	3.7	0.44	531.0	377.0	279.0	184.0	59.0	0.0	12.8	147.5	26.3
HA20122	891.7	894.5	219.2	0.2	3.9	0.25	901.0	740.0	634.0	532.0	396.0	293.0	16.7	459.0	32.8
HA20124	964.2	990.5	246.7	-1.2	7.1	0.26	968.0	783.0	668.0	559.0	418.0	314.0	85.5	226.5	178.6
HA20125	683.3	686.8	129.5	0.0	2.9	0.19	687.0	562.0	499.0	443.0	371.0	317.0	8.5	471.5	14.0
HA20126	1383.3	1283.1	316.9	0.7	3.3	0.23	1286.0	1141.0	1053.0	961.0	816.0	678.0	15.3	877.0	36.0
HA20127	2254.3	2233.3	403.3	0.1	2.6	0.18	2220.0	1885.0	1678.0	1482.0	1230.0	1041.0	9.8	1542.9	16.1
HA20128	903.3	847.0	259.8	0.5	3.7	0.29	849.0	714.0	626.0	533.0	387.0	253.0	14.4	467.5	30.9
HA20129	719.9	675.7	424.3	3.7	21.5	0.59	407.7	32.6	0.0	0.0	0.0	0.0	2.2	111.5	4.1
HA20130	1808.9	1770.2	315.4	-0.2	3.6	0.17	1826.0	1613.0	1477.0	1347.0	1179.0	1053.0	36.4	1109.0	73.4
HA20131	676.1	679.8	185.3	-0.5	3.8	0.27	680.0	512.0	421.0	336.0	229.0	149.0	19.8	268.5	35.5
HA20133	734.7	734.1	239.7	-1.2	6.9	0.33	558.3	346.4	206.1	71.5	0.0	0.0	13.3	47.7	22.6
HA20134	1150.4	1108.8	316.8	0.2	2.4	0.28	1084.0	887.0	780.0	681.0	554.0	460.0	16.9	599.5	36.0
HA20135	1341.4	1376.1	233.1	-0.7	4.2	0.17	1374.0	1180.0	1051.0	925.0	760.0	633.0	41.9	677.2	78.7
HA20136	3470.9	3387.2	835.9	-1.5	9.1	0.24	3556.0	3012.0	2634.0	2244.0	1694.0	1251.0	128.0	654.9	243.0
HA20137	525.8	572.6	212.7	-0.9	4.6	0.40	359.3	181.2	56.7	0.0	0.0	0.0	7.6	21.1	12.3
HA20139	3551.6	3609.1	454.5	0.6	4.6	0.13	3507.0	3162.0	2859.0	2503.0	2043.0	1699.0	8.8	2721.8	13.0
HA20140	2407.4	2412.5	378.1	-0.9	5.8	0.16	2434.0	2134.0	1944.0	1763.0	1531.0	1358.0	71.8	1258.2	149.0
HA20141	947.1	896.0	257.8	1.6	8.4	0.27	891.0	763.0	660.0	510.0	201.0	0.0	15.4	422.2	26.8
HA20143	520.3	516.5	117.0	-0.1	3.6	0.22	518.0	425.0	372.0	323.0	260.0	213.0	9.4	341.4	15.4
HA20144	529.3	499.0	144.9	0.7	3.0	0.27	490.0	408.0	361.0	315.0	253.0	203.0	6.3	339.9	13.7
HA20145	1603.3	1646.4	281.0	-0.3	3.7	0.18	1617.0	1393.0	1244.0	1097.0	899.0	744.0	21.9	961.3	37.6
HA20146	905.7	874.0	213.9	0.1	3.0	0.24	876.0	745.0	668.0	595.0	502.0	433.0	35.5	456.0	79.1

Tabla C.145. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Oaxaca.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _o (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
HA20148	1709.8	1626.3	494.2	0.7	2.9	0.29	1558.0	1291.0	1141.0	996.0	796.0	630.0	9.1	989.3	20.7
HA20149	823.7	752.0	351.3	1.4	5.2	0.43	737.0	567.0	446.0	309.0	63.0	0.0	6.3	379.4	14.2
HA20150	828.8	795.7	212.9	0.5	2.8	0.26	782.0	635.0	552.0	469.0	351.0	253.0	6.5	527.5	12.3
HA20151	735.2	712.8	236.4	0.5	3.1	0.32	690.0	519.0	425.0	332.0	202.0	95.0	7.8	373.3	14.7
HA20152	2603.0	2538.6	579.0	0.5	4.5	0.22	2547.0	2145.0	1887.0	1629.0	1271.0	979.0	15.0	1474.1	30.0
HA20153	2019.2	2077.4	357.7	-0.4	4.4	0.18	2037.0	1770.0	1596.0	1429.0	1214.0	1053.0	27.0	1195.5	54.2
HA20156	477.9	478.0	143.3	0.0	3.4	0.30	469.0	368.0	299.0	222.0	108.0	17.0	18.5	167.8	31.3
HA20157	536.2	536.0	190.3	1.6	9.0	0.36	516.0	403.0	317.0	210.0	6.0	0.0	9.3	222.2	18.7
HA20158	963.9	944.7	245.3	0.3	2.8	0.25	936.0	756.0	644.0	536.0	392.0	280.0	9.1	575.4	15.5
HA20159	623.1	627.8	163.7	-0.3	3.2	0.26	621.0	499.0	426.0	358.0	271.0	206.0	24.9	273.4	48.7
HA20160	1256.2	1245.1	266.4	0.5	4.3	0.21	1244.0	1042.0	909.0	778.0	601.0	460.0	11.4	765.7	21.4
HA20161	2163.5	2144.9	314.1	0.4	4.0	0.15	2127.0	1894.0	1747.0	1599.0	1389.0	1217.0	12.2	1570.3	22.8
HA20162	575.3	564.2	169.1	0.2	2.5	0.29	567.0	414.0	334.0	259.0	160.0	83.0	9.6	273.5	17.5
HA20163	592.1	584.7	143.4	0.7	4.7	0.24	572.0	486.0	429.0	368.0	276.0	194.0	15.2	327.4	30.6
HA20164	963.0	963.0	290.0	-0.3	3.3	0.30	963.0	733.0	598.0	472.0	310.0	189.0	20.0	361.5	37.4
HA20165	558.1	530.0	169.2	1.1	6.0	0.30	526.0	436.0	367.0	275.0	105.0	0.0	12.6	257.5	22.3
HA20166	513.9	510.9	193.8	-0.1	3.7	0.38	508.0	369.0	288.0	211.0	114.0	41.0	12.6	198.4	22.5
HA20167	849.1	743.9	292.8	1.6	7.4	0.34	749.0	718.0	690.0	577.0	261.0	28.0	19.4	480.4	26.4
HA20169	2780.7	2646.6	906.8	-0.6	5.1	0.33	2770.0	2492.0	2081.0	1503.0	761.0	207.0	33.3	730.6	51.9
HA20170	419.8	393.0	140.2	0.5	4.0	0.33	388.0	302.0	230.0	130.0	0.0	0.0	11.2	145.5	18.1
HA20172	2192.5	2199.0	502.7	0.4	5.4	0.23	2219.0	1790.0	1509.0	1239.0	889.0	627.0	17.6	1018.3	35.6
HA20173	990.8	977.4	370.7	0.6	2.8	0.37	934.0	744.0	629.0	520.0	379.0	271.0	21.2	364.1	55.0
HA20174	3610.3	3574.1	555.8	-0.1	2.7	0.15	3531.0	3112.0	2882.0	2669.0	2398.0	2196.0	16.4	2534.3	31.4
HA20175	3591.3	3537.3	555.1	0.3	3.5	0.15	3520.0	3121.0	2863.0	2596.0	2209.0	1889.0	9.9	2642.5	17.8
HA20176	1767.7	1758.4	455.7	0.5	3.1	0.26	1730.0	1407.0	1201.0	1000.0	730.0	519.0	7.0	1146.2	12.1
HA20177	1535.9	1453.5	451.9	2.2	11.1	0.29	1444.0	1222.0	1026.0	704.0	9.0	0.0	8.4	828.4	16.1
HA20178	889.3	886.3	219.1	2.1	11.7	0.25	866.0	752.0	663.0	545.0	290.0	44.0	7.6	581.6	16.6
HA20179	787.2	777.4	178.7	0.2	3.0	0.23	772.0	633.0	554.0	479.0	377.0	297.0	8.6	504.5	15.8
HA20180	538.9	539.0	122.6	-0.6	3.5	0.23	448.6	340.2	268.4	199.5	110.4	43.6	4.5	315.0	6.3
HA20181	1034.1	1025.8	218.5	-0.3	4.2	0.21	1025.0	872.0	750.0	611.0	408.0	249.0	23.5	477.3	36.8
HA20182	369.8	370.0	93.7	-0.1	3.0	0.25	366.0	289.0	249.0	213.0	165.0	128.0	20.8	172.2	43.3
HA20183	2435.3	2341.8	375.3	0.5	3.5	0.15	2360.0	2123.0	1971.0	1802.0	1533.0	1301.0	9.5	1827.9	18.1
HA20186	1122.7	1123.0	275.0	-0.3	4.4	0.24	1106.0	888.0	741.0	593.0	391.0	230.0	26.6	400.0	48.0
HA20187	1628.3	1635.7	282.3	-0.7	5.9	0.17	1650.0	1485.0	1336.0	1146.0	864.0	648.0	32.1	875.9	48.1
HA20189	2844.8	2827.9	413.5	0.3	3.6	0.15	2853.0	2530.0	2322.0	2125.0	1869.0	1678.0	11.1	2116.1	20.6
HA20190	735.1	737.4	203.7	-0.2	4.9	0.28	734.0	610.0	495.0	340.0	102.0	0.0	23.8	191.7	35.5
HA20191	443.4	413.4	142.1	0.4	2.9	0.32	412.0	327.0	279.0	234.0	175.0	131.0	16.2	193.8	37.3
HA20202	572.8	505.1	160.9	1.9	7.9	0.28	504.0	456.0	417.0	348.0	176.0	40.0	3.1	415.0	10.3
HA20203	3029.5	3042.4	544.8	-0.3	3.1	0.18	3022.0	2635.0	2398.0	2175.0	1889.0	1675.0	27.7	1875.6	52.1
HA20205	1651.8	1625.2	356.1	0.0	7.3	0.22	1652.0	1477.0	1299.0	1036.0	643.0	347.0	17.5	952.5	24.3

Tabla C.145. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Oaxaca.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes períodos de						retorno (Tr)	Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv	Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para	
	X _c (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min	
HA20206	1338.7	1271.7	519.3	0.0	5.2	0.39	1345.0	966.0	717.0	470.0	132.0	0.0	24.2	170.5	45.2	
HA20207	674.9	675.0	104.7	-0.1	4.1	0.16	667.0	587.0	540.0	496.0	439.0	396.0	21.0	450.6	41.5	
HA20208	2007.0	2001.0	512.2	0.4	3.1	0.26	1916.0	1586.0	1394.0	1214.0	984.0	813.0	5.6	1399.7	9.8	
HA20209	699.7	652.0	185.7	1.1	4.4	0.27	658.0	553.0	487.0	425.0	345.0	285.0	5.0	491.1	9.6	
HA20210	2021.7	1961.6	445.4	-0.5	4.4	0.22	1976.0	1667.0	1525.0	1396.0	1233.0	1111.0	70.6	1008.3	179.5	
HA20211	748.6	741.5	200.2	0.1	4.4	0.27	700.0	604.0	536.0	428.0	259.0	131.0	20.7	338.0	32.6	
HA20221	586.4	557.2	252.5	-0.7	5.1	0.43	581.0	385.0	275.0	172.0	41.0	0.0	26.4	50.4	46.9	
HA20223	1409.4	1467.4	366.5	-0.1	3.4	0.26	1496.0	1050.0	932.0	829.0	697.0	598.0	7.8	861.0	16.0	
HA20231	1476.2	1638.6	397.8	-0.9	4.2	0.27	1606.0	1025.0	872.0	756.0	616.0	514.0	12.6	711.5	26.6	
HA20232	2035.0	2252.2	609.1	-0.5	4.6	0.30	2101.0	1683.0	1408.0	1142.0	793.0	527.0	27.4	783.5	51.3	
HA20233	469.5	445.0	141.2	0.3	5.1	0.30	449.0	372.0	262.0	154.0	15.0	0.0	10.0	203.8	14.5	
HA20234	1859.8	1806.0	353.0	0.4	4.0	0.19	1786.0	1575.0	1461.0	1355.0	1219.0	1117.0	9.6	1360.6	19.3	
HA20238	2442.4	2469.1	584.5	-0.7	6.3	0.24	2479.0	2034.0	1751.0	1483.0	1136.0	877.0	25.0	1177.1	44.8	
HA20246	981.3	942.0	290.5	0.2	3.1	0.30	915.0	739.0	644.0	555.0	442.0	356.0	9.5	558.5	19.5	
HA20248	484.2	484.0	108.3	0.6	4.7	0.22	471.0	411.0	373.0	336.0	286.0	248.0	11.8	327.9	23.1	
HA20256	1502.7	1499.1	546.0	0.4	5.0	0.36	1100.8	618.1	298.5	0.0	0.0	0.0	3.4	618.0	5.0	
HA20258	617.7	605.2	172.1	-0.2	3.9	0.28	604.0	473.0	412.0	356.0	285.0	232.0	17.5	309.5	36.2	
HA20259	1283.6	1314.9	415.4	0.1	3.5	0.32	1286.0	972.0	773.0	583.0	339.0	157.0	8.3	698.4	13.1	
HA20275	689.0	701.1	130.4	0.4	5.3	0.19	681.0	598.0	545.0	494.0	429.0	381.0	14.3	468.6	28.7	
HA20277	645.5	690.5	180.8	-0.3	3.5	0.28	659.0	506.0	407.0	313.0	191.0	99.0	9.4	358.0	14.3	
HA20279	3984.1	4033.2	681.4	-0.5	6.0	0.17	4112.0	3683.0	3292.0	2793.0	2049.0	1477.0	23.4	2369.0	33.9	
HA20280	702.5	727.9	124.0	-0.8	4.5	0.18	722.0	611.0	540.0	472.0	385.0	319.0	19.3	430.3	31.0	
HA20282	1325.6	1263.1	676.4	0.5	5.7	0.51	1321.0	899.0	624.0	360.0	18.0	0.0	11.1	344.5	20.9	
HA20287	1593.5	1464.4	526.0	1.2	5.6	0.33	1456.0	1205.0	1045.0	880.0	630.0	398.0	5.6	995.9	12.4	
HA20289	1164.5	1062.4	335.9	0.4	3.7	0.29	1073.0	910.0	823.0	741.0	631.0	545.0	14.9	668.7	36.6	
HA20290	1201.3	1150.2	222.6	1.5	7.9	0.19	1147.0	1043.0	971.0	892.0	757.0	622.0	5.8	948.5	12.4	
HA20292	1390.7	1391.8	485.3	0.3	3.7	0.35	1332.0	1029.0	845.0	671.0	447.0	280.0	9.2	712.3	16.9	
HA20300	750.1	711.8	360.0	1.1	5.5	0.48	664.0	471.0	350.0	235.0	87.0	0.0	5.1	355.6	9.6	
HA20308	1118.6	1099.2	238.7	0.0	4.6	0.21	1091.0	944.0	857.0	776.0	672.0	594.0	17.5	711.6	35.1	
HA20314	729.2	690.2	198.3	0.2	5.2	0.27	703.0	577.0	497.0	421.0	320.0	242.0	17.7	363.8	33.5	
HA20326	883.6	820.7	253.7	2.1	11.5	0.29	838.0	732.0	651.0	547.0	275.0	0.0	7.8	586.0	15.9	
HA20334	2815.5	2936.9	488.9	-0.5	4.4	0.17	2928.0	2271.0	2145.0	2038.0	1897.0	1781.0	11.0	1968.7	31.7	
HA20341	1059.1	885.6	497.4	0.6	3.7	0.47	902.0	671.0	542.0	422.0	268.0	154.0	6.4	480.2	14.2	
HA20342	2037.4	1780.1	1057.1	1.1	5.5	0.52	1856.0	1184.0	762.0	358.0	0.0	0.0	3.9	1016.0	6.6	
HA20343	730.6	656.6	393.4	1.4	7.1	0.54	619.0	444.0	333.0	220.0	52.0	0.0	5.4	299.3	12.4	

Tabla C.145. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Oaxaca.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA20046	390.6	472.8	555.1	637.3	719.6	801.9	884.1	966.4	1048.6	1130.9	11.5	11.5	15.3	11.5	26.9	7.6	3.8	7.6	0.0	3.8
HA20047	794.1	945.2	1096.3	1247.4	1398.5	1549.6	1700.7	1851.8	2002.9	2154.0	3.4	3.4	3.4	3.4	20.6	27.5	27.5	0.0	6.8	3.4
HA20048	494.1	616.6	739.2	861.7	984.2	1106.7	1229.2	1351.8	1474.3	1596.8	8.3	19.8	8.3	8.3	16.6	16.6	5.5	2.7	2.7	11.1
HA20049	268.1	384.4	500.8	617.1	733.5	849.8	966.2	1082.5	1198.9	1315.2	13.3	13.3	6.6	26.6	6.6	18.6	3.3	6.6	3.3	3.3
HA20051	449.1	502.8	556.5	610.2	664.0	717.7	771.4	825.1	878.8	932.5	8.3	4.1	4.1	8.3	12.5	12.5	8.3	12.5	16.6	12.5
HA20052	381.2	505.0	628.7	752.5	876.2	999.9	1123.7	1247.4	1371.2	1494.9	16.6	0.0	22.2	5.5	22.2	5.5	0.0	5.5	16.6	5.5
HA20053	324.7	436.4	548.2	659.9	771.6	883.3	995.0	1106.8	1218.5	1330.2	11.7	0.0	23.5	0.0	17.6	5.8	23.5	5.8	0.0	11.7
HA20054	529.9	601.2	672.4	743.7	814.9	886.1	957.4	1028.6	1099.9	1171.1	20.0	0.0	13.3	0.0	6.6	13.3	0.0	6.6	33.3	6.6
HA20055	3876.3	4196.9	4517.5	4838.2	5158.8	5479.5	5800.1	6120.8	6441.4	6762.1	6.2	15.6	15.6	15.6	21.8	12.5	6.2	0.0	3.1	3.1
HA20056	628.6	849.0	1069.5	1290.0	1510.5	1730.9	1961.4	2171.9	2392.3	2612.8	5.0	5.0	15.0	0.0	30.0	10.0	10.0	0.0	10.0	15.0
HA20057	757.8	1005.8	1253.8	1501.8	1749.8	1997.8	2245.8	2493.8	2741.8	2989.8	9.0	0.0	4.5	0.0	0.0	31.8	22.7	18.1	4.5	9.0
HA20060	456.7	591.8	727.0	862.1	997.3	1132.5	1267.6	1402.8	1537.9	1673.1	8.5	17.1	5.7	20.0	11.4	14.2	5.7	8.5	5.7	2.8
HA20061	1448.3	1573.5	1698.7	1823.9	1949.1	2074.3	2199.5	2324.7	2449.9	2575.1	5.2	5.2	21.0	15.7	15.7	21.0	0.0	5.2	5.2	5.2
HA20062	330.6	440.3	550.0	659.7	769.5	879.2	988.9	1098.6	1208.3	1318.0	5.5	5.5	16.6	16.6	22.2	5.5	0.0	5.5	0.0	22.2
HA20064	868.1	982.4	1096.8	1211.1	1325.5	1439.8	1554.2	1668.5	1782.8	1897.2	10.0	0.0	5.0	25.0	20.0	10.0	15.0	0.0	10.0	5.0
HA20065	408.8	489.6	570.4	651.2	732.0	812.8	893.6	974.4	1055.2	1136.0	16.6	16.6	11.1	22.2	5.5	5.5	5.5	5.5	5.5	5.5
HA20066	394.1	467.7	541.3	614.9	688.5	762.1	835.7	909.3	982.9	1056.5	7.6	15.3	15.3	3.8	19.2	15.3	0.0	3.8	11.5	7.6
HA20068	812.8	979.6	1146.4	1313.2	1480.0	1646.8	1813.6	1980.4	2147.2	2314.0	6.1	6.1	16.3	14.2	4.0	6.1	22.4	12.2	10.2	2.0
HA20069	1366.9	1856.2	2345.5	2834.8	3324.1	3813.4	4302.7	4792.0	5281.3	5770.6	10.5	0.0	10.5	10.5	5.2	5.2	36.8	10.5	0.0	10.5
HA20070	406.3	503.7	599.0	694.3	789.7	885.0	980.3	1075.6	1171.0	1266.3	9.3	13.9	32.5	20.9	9.3	4.6	6.9	0.0	0.0	2.3
HA20071	412.5	516.3	620.2	724.0	827.9	931.7	1035.6	1139.4	1243.3	1347.1	16.6	27.7	27.7	13.8	8.3	0.0	2.7	0.0	0.0	2.7
HA20072	1880.9	2021.1	2161.2	2301.3	2441.5	2581.6	2721.7	2861.8	3002.0	3142.1	13.7	6.8	17.2	17.2	13.7	13.7	0.0	3.4	3.4	10.3
HA20073	491.5	548.9	606.3	663.7	721.2	778.6	836.0	893.4	950.8	1008.2	13.3	6.6	6.6	0.0	13.3	26.6	6.6	20.0	0.0	6.6
HA20074	218.4	307.9	397.3	486.8	576.2	665.6	755.1	844.5	934.0	1023.4	8.3	0.0	0.0	8.3	16.6	16.6	16.6	16.6	8.3	8.3
HA20076	172.7	241.4	310.1	378.8	447.5	516.2	584.9	653.6	722.3	791.0	20.0	14.2	11.4	17.1	11.4	5.7	8.5	0.0	5.7	5.7
HA20077	1236.2	1318.4	1400.5	1482.7	1564.9	1647.1	1729.3	1811.4	1893.6	1975.8	10.5	10.5	5.2	5.2	15.7	10.5	5.2	10.5	10.5	15.7
HA20079	530.3	595.4	660.6	725.7	790.8	856.0	921.1	986.3	1051.5	1116.6	9.0	21.2	12.1	6.0	21.2	15.1	3.0	3.0	6.0	3.0
HA20080	457.2	707.0	956.7	1206.5	1456.3	1706.1	1955.9	2205.6	2455.4	2705.2	14.8	33.3	37.0	11.1	0.0	0.0	0.0	0.0	0.0	3.7
HA20081	1767.4	2137.4	2507.5	2877.5	3247.6	3617.6	3987.7	4357.7	4727.8	5097.8	2.9	0.0	11.7	14.7	26.4	20.5	11.7	8.8	0.0	2.9
HA20082	777.4	976.0	1174.5	1373.0	1571.6	1770.1	1968.6	2167.1	2365.7	2564.2	4.7	16.6	11.9	23.8	19.0	14.2	2.3	4.7	0.0	2.3
HA20083	281.5	331.8	382.0	432.3	482.5	532.7	583.0	633.2	683.5	733.7	11.5	7.6	0.0	11.5	19.2	15.3	7.6	11.5	7.6	7.6
HA20084	1079.9	1279.8	1479.8	1679.8	1879.8	2079.7	2279.7	2479.7	2679.6	2879.6	6.0	3.0	9.0	9.0	12.1	15.1	12.1	15.1	15.1	3.0
HA20085	314.5	467.2	619.8	772.5	925.1	1077.7	1230.4	1383.0	1535.7	1688.3	2.9	0.0	11.7	55.8	17.6	8.8	0.0	0.0	0.0	2.9
HA20086	657.2	776.9	896.7	1016.4	1136.2	1256.0	1375.7	1495.5	1615.2	1735.0	3.5	7.1	7.1	25.0	0.0	17.8	14.2	10.7	7.1	7.1
HA20087	610.6	803.9	997.3	1190.8	1384.0	1577.4	1770.7	1964.1	2157.4	2350.8	17.6	17.6	35.2	11.7	0.0	5.8	5.8	0.0	0.0	5.8
HA20088	810.3	1116.5	1422.7	1728.9	2035.1	2341.2	2647.4	2953.6	3259.8	3566.0	16.1	19.3	29.0	9.6	6.4	3.2	6.4	3.2	3.2	3.2
HA20090	373.4	513.3	653.3	793.2	933.2	1073.1	1213.1	1353.0	1493.0	1632.9	3.7	3.7	3.7	11.1	37.0	14.8	11.1	7.4	0.0	7.4
HA20091	540.7	674.5	808.4	942.3	1076.2	1210.0	1343.9	1477.8	1611.6	1745.5	11.7	29.4	0.0	17.6	11.7	0.0	11.7	5.8	5.8	5.8
HA20093	525.2	666.3	807.4	948.6	1089.8	1230.9	1372.1	1513.2	1654.4	1795.5	55.5	5.5	5.5	5.5	11.1	5.5	5.5	0.0	0.0	5.5
HA20094	1456.6	1633.0	1809.4	1985.8	2162.3	2338.7	2515.1	2691.5	2867.9	3044.3	3.3	0.0	13.3	0.0	6.6	20.0	20.0	16.6	13.3	6.6

Tabla C.146. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Oaxaca.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA20095	2287.9	2420.2	2552.5	2684.8	2817.2	2949.5	3081.8	3214.1	3346.4	3478.7	12.5	8.3	16.6	12.5	20.8	0.0	12.5	4.1	8.3	4.1
HA20096	260.8	306.2	351.5	396.9	442.3	487.7	533.1	578.4	623.8	669.2	4.1	8.3	4.1	4.1	12.5	29.1	8.3	16.6	8.3	4.1
HA20098	716.8	868.3	1019.7	1171.2	1322.7	1474.2	1625.7	1777.1	1928.6	2080.1	15.0	5.0	20.0	15.0	25.0	5.0	5.0	5.0	0.0	5.0
HA20099	531.2	622.5	713.8	805.1	896.4	987.8	1079.1	1170.4	1261.7	1353.0	3.4	10.3	6.8	10.3	34.4	20.6	6.8	0.0	0.0	6.8
HA20104	279.7	355.2	430.7	506.2	581.7	657.2	732.7	808.2	883.7	959.2	16.6	8.3	16.6	0.0	8.3	25.0	8.3	8.3	0.0	8.3
HA20105	262.6	362.0	461.5	561.0	660.5	759.9	859.4	958.9	1058.3	1157.8	3.8	0.0	0.0	0.0	0.0	7.6	3.8	23.0	26.9	34.6
HA20106	566.5	756.0	945.4	1134.9	1324.4	1513.9	1703.4	1892.8	2082.3	2271.8	3.7	0.0	14.8	22.2	37.0	3.7	3.7	7.4	3.7	3.7
HA20107	271.3	353.4	435.5	517.6	599.8	681.9	764.0	846.1	928.2	1010.3	8.3	0.0	16.6	0.0	25.0	25.0	0.0	16.6	0.0	8.3
HA20108	473.6	523.1	572.6	622.1	671.6	721.1	770.6	820.1	869.6	919.1	5.2	5.2	10.5	26.3	5.2	21.0	10.5	5.2	0.0	10.5
HA20109	493.8	745.4	997.1	1248.7	1500.4	1752.1	2003.7	2255.4	2507.0	2758.7	33.3	45.2	11.9	4.7	0.0	2.3	0.0	0.0	0.0	2.3
HA20112	1578.1	2209.3	2840.5	3471.7	4102.9	4734.0	5365.2	5996.4	6627.6	7258.8	4.1	4.1	4.1	8.3	4.1	33.3	16.6	20.8	0.0	4.1
HA20113	1613.9	1840.9	2067.8	2294.8	2521.7	2748.6	2975.6	3202.5	3429.5	3656.4	5.7	0.0	11.4	11.4	5.7	17.1	14.2	17.1	5.7	11.4
HA20114	3196.4	3473.2	3750.1	4026.9	4303.8	4580.7	4857.5	5134.4	5411.2	5688.1	9.6	9.6	19.3	12.9	22.5	12.9	6.4	3.2	0.0	3.2
HA20115	462.0	644.1	826.3	1008.4	1190.6	1372.7	1554.9	1737.0	1919.2	2101.3	3.8	3.8	3.8	23.0	42.3	11.5	3.8	0.0	3.8	3.8
HA20116	229.8	290.6	351.4	412.2	473.0	533.8	594.6	655.4	716.2	777.0	10.0	10.0	5.0	0.0	15.0	20.0	10.0	0.0	5.0	25.0
HA20118	466.9	535.1	603.3	671.5	739.8	808.0	876.2	944.4	1012.6	1080.8	6.8	13.7	13.7	27.5	24.1	0.0	3.4	3.4	0.0	6.8
HA20119	328.1	369.3	410.5	451.7	492.9	534.0	575.2	616.4	657.6	698.8	8.3	25.0	0.0	8.3	0.0	8.3	16.6	16.6	8.3	8.3
HA20120	989.9	1080.9	1171.8	1262.7	1353.7	1444.6	1535.5	1626.4	1717.4	1808.3	17.2	17.2	17.2	13.7	13.7	10.3	3.4	0.0	0.0	6.8
HA20121	244.9	342.2	439.6	536.9	634.3	731.7	829.0	926.4	1023.7	1121.1	10.7	7.1	14.2	14.2	25.0	7.1	10.7	0.0	7.1	3.5
HA20122	558.1	657.2	756.3	855.4	954.5	1053.6	1152.7	1251.8	1350.9	1450.0	6.8	10.3	10.3	6.8	27.5	20.6	6.8	6.8	0.0	3.4
HA20124	337.4	448.3	559.3	670.2	781.1	892.0	1002.9	1113.9	1224.8	1335.7	5.0	0.0	0.0	0.0	15.0	10.0	30.0	15.0	10.0	15.0
HA20125	513.7	556.0	598.2	640.4	682.7	724.9	767.1	809.3	851.6	893.8	12.5	6.2	18.7	0.0	6.2	12.5	6.2	25.0	0.0	12.5
HA20126	997.6	1118.1	1238.7	1359.2	1479.8	1600.3	1720.9	1841.4	1962.0	2082.5	10.3	3.4	20.6	27.5	6.8	10.3	3.4	3.4	6.8	6.8
HA20127	1682.8	1822.8	1962.7	2102.6	2242.6	2382.5	2522.4	2662.3	2802.3	2942.2	7.6	7.6	11.5	7.6	15.3	11.5	11.5	7.6	3.8	15.3
HA20128	578.7	689.8	800.9	912.1	1023.3	1134.4	1245.6	1356.7	1467.9	1579.0	13.7	0.0	20.6	31.0	3.4	3.4	20.6	3.4	0.0	3.4
HA20129	373.4	635.2	897.1	1158.9	1420.8	1682.7	1944.5	2206.4	2468.2	2730.1	6.4	41.9	38.7	9.6	0.0	0.0	0.0	0.0	0.0	3.2
HA20130	1236.5	1363.9	1491.4	1618.8	1746.3	1873.7	2001.2	2128.6	2256.1	2383.5	9.6	0.0	0.0	16.1	16.1	16.1	19.3	9.6	0.0	12.9
HA20131	337.3	406.0	474.8	543.6	612.3	681.1	749.9	818.7	887.4	956.2	6.2	0.0	6.2	12.5	6.2	18.7	12.5	6.2	25.0	6.2
HA20133	150.1	252.5	354.9	457.3	559.6	662.0	764.4	866.8	969.2	1071.6	5.5	0.0	0.0	0.0	11.1	16.6	16.6	16.6	22.2	11.1
HA20134	705.0	810.4	915.9	1021.3	1126.8	1232.2	1337.7	1443.1	1548.6	1654.0	6.8	6.8	10.3	20.6	10.3	6.8	6.8	6.8	6.8	17.2
HA20135	791.8	906.5	1021.1	1135.7	1250.4	1365.0	1479.6	1594.2	1708.9	1823.5	2.7	2.7	2.7	10.8	10.8	18.9	18.9	21.6	8.1	2.7
HA20136	1087.9	1520.9	1953.9	2386.9	2819.9	3252.9	3685.9	4118.9	4551.9	4984.9	4.3	0.0	0.0	0.0	4.3	30.4	17.3	30.4	4.3	8.6
HA20137	105.0	189.0	272.9	356.9	440.8	524.7	608.7	692.6	776.6	860.5	5.2	5.2	5.2	0.0	5.2	15.7	26.3	15.7	15.7	5.2
HA20139	2926.9	3132.1	3337.2	3542.3	3747.5	3952.6	4157.7	4362.8	4568.0	4773.1	4.1	12.5	20.8	8.3	20.8	20.8	4.1	4.1	0.0	4.1
HA20140	1440.4	1622.7	1804.9	1987.2	2169.4	2351.6	2533.9	2716.1	2898.4	3080.6	3.8	0.0	0.0	3.8	15.3	23.0	11.5	26.9	7.6	7.6
HA20141	574.4	726.6	878.8	1031.0	1183.3	1335.5	1487.7	1639.9	1792.1	1944.3	2.5	12.5	25.0	35.0	15.0	2.5	5.0	0.0	0.0	2.5
HA20143	376.4	411.4	446.4	481.4	516.4	551.3	586.3	621.3	656.3	691.3	16.6	0.0	8.3	8.3	16.6	8.3	16.6	0.0	8.3	16.6
HA20144	392.2	444.4	496.7	548.9	601.2	653.5	705.7	758.0	810.2	862.5	17.8	21.4	7.1	17.8	3.5	14.2	0.0	7.1	7.1	3.5
HA20145	1078.0	1194.8	1311.5	1428.3	1545.0	1661.7	1778.5	1895.2	2012.0	2128.7	4.1	4.1	0.0	20.8	8.3	16.6	20.8	12.5	4.1	8.3
HA20146	536.6	617.3	697.9	778.6	859.2	939.8	1020.5	1101.1	1181.8	1262.4	4.0	0.0	16.0	8.0	16.0	20.0	8.0	8.0	4.0	16.0

Tabla C.146. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Oaxaca.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA20148	1161.2	1333.1	1505.1	1677.0	1848.9	2020.8	2192.7	2364.7	2536.6	2708.5	6.6	16.6	23.3	13.3	6.6	6.6	6.6	6.6	3.3	10.0
HA20149	526.2	673.0	819.7	966.5	1113.3	1260.1	1406.9	1553.6	1700.4	1847.2	17.2	17.2	27.5	17.2	3.4	0.0	6.8	6.8	0.0	3.4
HA20150	602.4	677.2	752.1	826.9	901.8	976.6	1051.5	1126.3	1201.2	1276.0	16.1	16.1	9.6	12.9	6.4	12.9	9.6	6.4	3.2	6.4
HA20151	459.0	544.6	630.3	716.0	801.6	887.3	973.0	1058.7	1144.3	1230.0	8.6	17.3	17.3	8.6	13.0	4.3	13.0	8.6	0.0	8.6
HA20152	1737.9	2001.7	2265.4	2529.2	2793.0	3056.8	3320.6	3584.3	3848.1	4111.9	4.1	8.3	20.8	16.6	20.8	8.3	8.3	8.3	0.0	4.1
HA20153	1358.6	1521.7	1684.8	1847.9	2011.0	2174.1	2337.2	2500.3	2663.4	2826.5	6.8	3.4	6.8	3.4	24.1	20.6	27.5	0.0	3.4	3.4
HA20156	231.6	295.3	359.1	422.8	486.6	550.3	614.1	677.8	741.6	805.3	3.0	9.0	6.0	15.1	21.2	9.0	27.2	0.0	6.0	3.0
HA20157	327.3	432.3	537.4	642.5	747.6	852.6	957.7	1062.8	1167.8	1272.9	8.5	20.0	22.8	28.5	14.2	2.8	0.0	0.0	0.0	2.8
HA20158	658.5	741.6	824.8	907.9	991.0	1074.1	1157.2	1240.4	1323.5	1406.6	13.3	6.6	10.0	16.6	13.3	6.6	10.0	6.6	3.3	13.3
HA20159	337.0	400.5	464.1	527.6	591.2	654.8	718.3	781.9	845.4	909.0	7.1	3.5	7.1	3.5	21.4	17.8	14.2	3.5	14.2	7.1
HA20160	884.6	1003.5	1122.4	1241.3	1360.2	1479.1	1598.0	1716.9	1835.8	1954.7	4.0	16.0	12.0	16.0	20.0	12.0	8.0	8.0	0.0	4.0
HA20161	1704.6	1838.8	1973.1	2107.4	2241.7	2375.9	2510.2	2644.5	2778.7	2913.0	4.1	8.3	12.5	16.6	20.8	16.6	12.5	0.0	4.1	4.1
HA20162	338.9	404.2	469.6	534.9	600.3	665.6	731.0	796.3	861.7	927.0	5.0	20.0	7.5	5.0	17.5	12.5	12.5	2.5	5.0	5.0
HA20163	392.4	457.4	522.4	587.4	652.4	717.3	782.3	847.3	912.3	977.3	8.0	8.0	16.0	20.0	20.0	8.0	12.0	0.0	4.0	4.0
HA20164	472.3	583.0	693.8	804.6	915.3	1026.1	1136.9	1247.7	1358.4	1469.2	7.6	0.0	11.5	7.6	15.3	15.3	15.3	7.6	11.5	7.6
HA20165	339.9	422.3	504.7	587.1	669.4	751.8	834.2	916.6	999.0	1081.4	7.1	7.1	25.0	28.5	14.2	10.7	0.0	3.5	0.0	3.5
HA20166	262.1	325.8	389.5	453.2	516.9	580.5	644.2	707.9	771.6	835.3	16.6	8.3	0.0	8.3	25.0	8.3	8.3	8.3	8.3	8.3
HA20167	586.5	692.5	798.6	904.7	1010.8	1116.8	1222.9	1329.0	1435.0	1541.1	9.0	0.0	63.6	0.0	9.0	0.0	9.0	0.0	0.0	9.0
HA20169	1089.1	1447.5	1806.0	2164.5	2523.0	2881.4	3239.9	3598.4	3956.8	4315.3	7.1	0.0	7.1	7.1	7.1	28.5	7.1	21.4	7.1	7.1
HA20170	214.7	283.8	353.0	422.1	491.3	560.4	629.6	698.7	767.8	837.0	4.5	9.0	20.4	18.1	15.9	18.1	9.0	2.2	0.0	2.2
HA20172	1288.5	1558.7	1828.9	2099.1	2369.3	2639.5	2909.7	3179.9	3450.1	3720.3	2.9	5.8	8.8	26.4	26.4	11.7	11.7	2.9	0.0	2.9
HA20173	511.2	658.3	805.4	952.5	1099.6	1246.6	1393.7	1540.8	1687.9	1835.0	2.1	17.0	19.1	10.6	21.2	6.3	8.5	2.1	8.5	4.2
HA20174	2729.9	2925.5	3121.2	3316.8	3512.4	3708.0	3903.6	4099.3	4294.9	4490.5	8.3	0.0	4.1	29.1	4.1	12.5	4.1	12.5	12.5	12.5
HA20175	2868.4	3094.2	3320.1	3545.9	3771.8	3997.6	4223.5	4449.3	4675.2	4901.0	8.3	12.5	8.3	20.8	16.6	8.3	8.3	12.5	0.0	4.1
HA20176	1307.1	1468.0	1628.8	1789.7	1950.6	2111.5	2272.4	2433.2	2594.1	2755.0	20.8	8.3	8.3	16.6	16.6	8.3	4.1	4.1	8.3	4.1
HA20177	1081.2	1334.0	1586.8	1839.6	2092.4	2345.1	2597.9	2850.7	3103.5	3356.3	8.5	22.8	37.1	20.0	5.7	0.0	2.8	0.0	0.0	2.8
HA20178	695.5	817.5	935.4	1053.4	1171.3	1289.2	1407.2	1525.1	1643.1	1761.0	10.0	26.6	33.3	16.6	6.6	3.3	0.0	0.0	0.0	3.3
HA20179	571.1	637.6	704.2	770.8	837.4	903.9	970.5	1037.1	1103.6	1170.2	15.3	3.8	19.2	11.5	11.5	7.6	15.3	7.6	3.8	3.8
HA20180	351.5	388.1	424.6	461.1	497.6	534.2	570.7	607.2	643.8	680.3	14.2	0.0	7.1	7.1	0.0	7.1	28.5	0.0	7.1	28.5
HA20181	576.2	675.1	774.0	872.9	971.8	1070.7	1169.6	1268.5	1367.4	1466.3	3.8	0.0	11.5	3.8	7.6	34.6	19.2	0.0	15.3	3.8
HA20182	210.7	249.2	287.6	326.1	364.6	403.1	441.6	480.0	518.5	557.0	3.7	3.7	11.1	18.5	11.1	11.1	11.1	22.2	3.7	3.7
HA20183	1982.5	2137.0	2291.6	2446.1	2600.7	2755.3	2909.8	3064.4	3218.9	3373.5	10.0	10.0	16.6	20.0	6.6	20.0	6.6	3.3	3.3	3.3
HA20186	531.4	662.9	794.3	925.7	1057.2	1188.6	1320.0	1451.4	1582.9	1714.3	3.1	3.1	3.1	9.3	15.6	28.1	21.8	0.0	12.5	3.1
HA20187	1001.7	1127.6	1253.4	1379.2	1505.1	1630.9	1756.7	1882.5	2008.4	2134.2	5.2	0.0	0.0	5.2	10.5	26.3	26.3	10.5	5.2	10.5
HA20189	2291.9	2467.6	2643.4	2819.1	2994.9	3170.6	3346.4	3522.1	3697.9	3873.6	10.0	10.0	6.6	23.3	16.6	13.3	10.0	3.3	3.3	3.3
HA20190	296.0	400.4	504.7	609.0	713.4	817.7	922.0	1026.3	1130.7	1235.0	4.8	0.0	2.4	12.1	24.3	29.2	14.6	2.4	7.3	2.4
HA20191	247.3	300.9	354.4	408.0	461.5	515.0	568.6	622.1	675.7	729.2	4.0	12.0	8.0	24.0	16.0	4.0	12.0	4.0	8.0	8.0
HA20202	478.7	542.4	606.0	669.7	733.4	797.1	860.8	924.4	988.1	1051.8	22.2	38.8	11.1	11.1	5.5	0.0	5.5	0.0	0.0	5.5
HA20203	2072.0	2268.4	2464.9	2661.3	2857.7	3054.1	3250.5	3447.0	3643.4	3839.8	8.3	0.0	4.1	16.6	4.1	16.6	16.6	8.3	4.1	20.8
HA20205	1092.1	1231.7	1371.3	1510.9	1650.5	1790.1	1929.7	2069.3	2208.9	2348.5	10.0	0.0	0.0	10.0	30.0	30.0	10.0	0.0	0.0	10.0

Tabla C.146. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Oaxaca.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA20206	400.9	631.3	861.7	1092.1	1322.5	1552.9	1783.3	2013.7	2244.1	2474.5	5.8	0.0	5.8	11.7	35.2	5.8	17.6	11.7	0.0	5.8
HA20207	493.1	535.7	578.2	620.7	663.2	705.8	748.3	790.8	833.4	875.9	5.8	0.0	5.8	23.5	5.8	23.5	5.8	17.6	5.8	5.8
HA20208	1551.8	1704.0	1856.1	2008.3	2160.4	2312.5	2464.7	2616.8	2769.0	2921.1	23.0	15.3	0.0	23.0	7.6	0.0	7.6	7.6	7.6	7.6
HA20209	552.7	614.3	675.9	737.5	799.2	860.8	922.4	984.0	1045.6	1107.2	25.0	12.5	18.7	18.7	6.2	0.0	0.0	0.0	12.5	6.2
HA20210	1172.0	1335.6	1499.3	1662.9	1826.6	1990.3	2153.9	2317.6	2481.2	2644.9	6.6	0.0	0.0	13.3	20.0	13.3	0.0	13.3	13.3	20.0
HA20211	421.0	504.0	587.0	670.0	753.0	836.0	919.0	1002.0	1085.0	1168.0	6.2	0.0	12.5	18.7	12.5	12.5	25.0	6.2	0.0	6.2
HA20221	132.1	213.8	295.5	377.2	458.9	540.6	622.3	704.0	785.7	867.4	9.0	0.0	0.0	0.0	18.1	18.1	9.0	9.0	0.0	36.3
HA20223	971.5	1082.0	1192.6	1303.1	1413.6	1524.1	1634.6	1745.2	1855.7	1966.2	10.0	20.0	0.0	10.0	10.0	0.0	10.0	30.0	0.0	10.0
HA20231	831.6	951.7	1071.8	1191.9	1312.0	1432.0	1552.1	1672.2	1792.3	1912.4	9.0	0.0	9.0	9.0	0.0	9.0	9.0	9.0	27.2	18.1
HA20232	1021.6	1259.8	1497.9	1736.0	1974.2	2212.3	2450.4	2688.5	2926.7	3164.8	13.3	0.0	0.0	13.3	13.3	6.6	33.3	13.3	0.0	6.6
HA20233	262.2	320.6	379.1	437.5	495.9	554.3	612.7	671.2	729.6	788.0	6.6	6.6	6.6	20.0	13.3	20.0	20.0	0.0	0.0	6.6
HA20234	1467.9	1575.1	1682.4	1789.6	1896.9	2004.1	2111.4	2218.6	2325.9	2433.1	10.0	10.0	20.0	10.0	10.0	10.0	0.0	0.0	0.0	20.0
HA20238	1398.2	1619.3	1840.3	2061.4	2282.5	2503.6	2724.7	2945.7	3166.8	3387.9	9.0	0.0	9.0	0.0	9.0	36.3	9.0	9.0	9.0	9.0
HA20246	651.2	743.9	836.6	929.3	1022.0	1114.7	1207.4	1300.1	1392.8	1485.5	15.3	7.6	15.3	7.6	15.3	0.0	7.6	15.3	7.6	7.6
HA20248	363.9	399.9	435.9	471.9	507.9	544.0	580.0	616.0	652.0	688.0	9.0	18.1	0.0	18.1	27.2	9.0	0.0	0.0	9.0	9.0
HA20256	814.1	1010.3	1206.4	1402.5	1598.7	1794.8	1990.9	2187.0	2383.2	2579.3	9.0	9.0	18.1	0.0	27.2	9.0	9.0	9.0	0.0	9.0
HA20258	366.0	422.6	479.1	535.7	592.2	648.7	705.3	761.8	818.4	874.9	9.0	0.0	18.1	0.0	18.1	9.0	9.0	18.1	0.0	18.1
HA20259	825.5	952.6	1079.7	1206.8	1333.9	1461.0	1588.1	1715.2	1842.3	1969.4	25.0	0.0	0.0	16.6	8.3	8.3	25.0	0.0	0.0	16.6
HA20275	518.7	568.8	618.9	669.0	719.1	769.2	819.3	869.4	919.5	969.6	15.3	0.0	15.3	7.6	23.0	23.0	0.0	7.6	0.0	7.6
HA20277	415.6	473.3	530.9	588.6	646.2	703.8	761.5	819.1	876.8	934.4	15.3	7.6	0.0	15.3	7.6	15.3	15.3	7.6	7.6	7.6
HA20279	2667.6	2966.2	3264.9	3563.5	3862.1	4160.7	4459.3	4758.0	5056.6	5355.2	6.6	0.0	0.0	20.0	0.0	26.6	33.3	6.6	0.0	6.6
HA20280	475.7	521.1	566.5	611.9	657.3	702.6	748.0	793.4	838.8	884.2	7.1	0.0	14.2	0.0	7.1	7.1	28.5	14.2	14.2	7.1
HA20282	585.0	825.4	1065.9	1306.3	1546.8	1787.3	2027.7	2268.2	2508.6	2749.1	18.1	9.0	0.0	27.2	9.0	27.2	0.0	0.0	0.0	9.0
HA20287	1180.2	1364.5	1548.7	1733.0	1917.3	2101.6	2285.9	2470.1	2654.4	2838.7	23.0	15.3	15.3	15.3	7.6	7.6	7.6	0.0	0.0	7.6
HA20289	775.0	881.3	987.6	1093.9	1200.3	1306.6	1412.9	1519.2	1625.5	1731.8	16.6	0.0	8.3	33.3	0.0	8.3	8.3	8.3	0.0	16.6
HA20290	1028.2	1107.9	1187.6	1267.3	1347.1	1426.8	1506.5	1586.2	1665.9	1745.6	18.1	18.1	27.2	9.0	9.0	9.0	0.0	0.0	0.0	9.0
HA20292	866.8	1021.4	1175.9	1330.4	1485.0	1639.5	1794.0	1948.5	2103.1	2257.6	16.6	8.3	8.3	8.3	25.0	8.3	0.0	8.3	8.3	8.3
HA20300	466.3	577.1	687.8	798.6	909.3	1020.0	1130.8	1241.5	1352.3	1463.0	20.0	20.0	0.0	30.0	10.0	0.0	0.0	0.0	10.0	10.0
HA20308	791.4	871.2	950.9	1030.7	1110.5	1190.3	1270.1	1349.8	1429.6	1509.4	10.0	10.0	0.0	20.0	10.0	20.0	0.0	10.0	10.0	10.0
HA20314	434.1	504.4	574.7	645.0	715.3	785.5	855.8	926.1	996.4	1066.7	9.0	0.0	0.0	18.1	27.2	18.1	9.0	0.0	0.0	18.1
HA20326	681.4	776.7	872.1	967.4	1062.8	1158.2	1253.5	1348.9	1444.2	1539.6	10.0	20.0	30.0	30.0	0.0	0.0	0.0	0.0	0.0	10.0
HA20334	2129.1	2289.5	2450.0	2610.4	2770.8	2931.2	3091.6	3252.1	3412.5	3572.9	10.0	10.0	10.0	0.0	0.0	20.0	20.0	20.0	0.0	10.0
HA20341	625.0	769.8	914.6	1059.4	1204.2	1349.0	1493.8	1638.6	1783.4	1928.2	18.1	18.1	18.1	9.0	0.0	9.0	0.0	9.0	9.0	9.0
HA20342	1345.6	1675.3	2004.9	2334.6	2664.2	2993.8	3323.5	3653.1	3982.8	4312.4	36.3	9.0	9.0	18.1	9.0	0.0	0.0	9.0	0.0	9.0
HA20343	431.2	563.1	695.0	826.9	958.8	1090.8	1222.7	1354.6	1486.5	1618.4	30.0	10.0	20.0	10.0	10.0	10.0	0.0	0.0	0.0	10.0

Tabla C.146. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Oaxaca.

Estación

Deciles de la lluvia anual registrada

Probabilidad de ocurrencia de los deciles de lluvia

Estación	Características promedio de la sequía meteorológica									Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS respecto a Xc	Hp disp S(mm)		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)				
HA20001	4.1	1.4	1.7	1.3	1286.5	1423.1	756.7	30.0	1754.1	5.5	VASTA
HA20002	3.8	1.0	1.7	0.8	171.1	97.0	100.6	23.0	319.3	4.9	VASTA
HA20003	3.4	1.4	1.8	0.9	216.1	144.7	120.0	23.0	392.9	4.2	VASTA
HA20004	3.3	1.1	2.2	1.0	408.7	267.3	185.7	24.0	564.6	4.1	MUY VASTA
HA20005	4.0	1.6	1.7	0.8	304.8	181.4	179.2	34.0	344.8	4.4	CRITICA
HA20006	5.2	2.3	2.8	2.3	766.8	513.0	273.8	8.0	3137.4	3.4	MODERADA
HA20007	4.0	2.0	2.3	2.1	448.2	649.1	194.8	14.0	1139.2	4.2	MUY SEVERA
HA20008	3.7	1.9	1.8	1.6	681.2	546.2	378.4	16.0	1953.0	5.0	SEVERA
HA20009	4.8	2.9	2.4	2.1	313.1	373.7	130.4	25.0	380.8	4.6	MUY VASTA
HA20010	4.7	1.4	3.1	2.9	1230.1	1257.1	396.8	18.0	1721.8	4.6	EXTREMADAMENTE SEVERA
HA20012	3.8	1.5	1.4	0.7	857.7	696.5	612.6	10.0	5218.8	8.7	NORMAL
HA20013	3.7	1.4	2.7	3.1	439.5	558.7	162.7	23.0	540.7	5.0	MUY VASTA
HA20014	3.0	1.1	1.5	0.6	739.0	531.2	492.6	14.0	2953.7	5.4	SEVERA
HA20015	4.3	0.9	3.0	1.8	837.8	817.1	279.2	15.0	1551.0	3.3	EXTREMADAMENTE SEVERA
HA20016	5.1	2.2	3.5	1.9	2007.2	1766.6	573.4	12.0	3908.9	3.9	EXTREMADAMENTE SEVERA
HA20017	4.3	1.8	2.6	1.7	516.3	315.7	198.5	9.0	1919.2	3.5	MODERADA
HA20018	5.4	1.9	2.8	2.0	1106.1	855.0	395.0	21.0	1464.7	1.7	MUY VASTA
HA20019	5.4	2.2	3.0	1.6	388.5	248.8	129.5	24.0	400.6	4.2	EXTREMADAMENTE VASTA
HA20020	4.6	2.1	2.2	1.2	349.1	198.3	158.6	19.0	658.1	4.6	MUY SEVERA
HA20022	3.5	1.3	1.8	1.3	292.9	393.6	162.7	27.0	428.7	5.9	VASTA
HA20023	5.2	2.7	3.0	1.9	444.1	329.8	148.0	14.0	886.2	3.9	EXTREMADAMENTE SEVERA
HA20024	3.0	1.1	1.7	0.8	162.0	131.0	95.2	18.0	414.2	3.7	SEVERA
HA20025	4.2	1.9	2.6	1.4	249.9	152.3	96.1	21.0	351.5	4.0	MUY VASTA
HA20026	5.7	1.3	3.0	1.9	410.6	160.1	136.8	14.0	806.9	5.2	EXTREMADAMENTE SEVERA
HA20027	4.0	2.3	2.2	1.5	438.5	284.0	199.3	21.0	719.2	3.3	MUY VASTA
HA20028	4.2	1.4	1.7	0.7	220.2	167.7	129.5	22.0	438.4	5.7	VASTA
HA20029	4.3	2.2	2.5	1.4	1555.4	1342.4	622.1	15.0	3475.1	3.4	MUY SEVERA
HA20030	4.1	2.8	1.8	1.9	1049.8	1758.3	583.2	22.0	2021.5	6.1	VASTA
HA20031	3.2	1.5	1.7	1.3	177.9	164.2	104.6	22.0	354.5	3.5	VASTA
HA20032	3.7	1.4	2.0	1.0	362.3	248.8	181.1	19.0	765.7	4.4	MUY SEVERA
HA20034	4.0	1.6	1.7	0.6	208.3	131.4	122.5	17.0	579.3	6.2	SEVERA
HA20036	4.1	2.3	2.0	1.5	660.3	384.1	330.1	12.0	2313.5	4.9	MUY SEVERA
HA20037	3.5	1.1	1.7	0.7	1019.7	866.3	599.8	19.0	2540.3	2.4	SEVERA
HA20038	4.0	1.6	2.0	1.0	347.0	387.2	173.5	11.0	1370.7	5.2	MUY SEVERA
HA20039	3.6	0.9	2.3	1.8	634.1	636.8	275.6	30.0	631.7	4.6	MUY VASTA
HA20040	3.7	1.2	1.7	0.4	206.9	122.6	121.7	15.0	646.9	5.3	SEVERA
HA20041	3.0	1.2	1.4	0.6	261.9	142.3	187.0	19.0	777.8	5.4	SEVERA
HA20043	4.7	2.3	2.6	1.6	440.9	309.1	169.5	26.0	459.3	4.0	MUY VASTA
HA20044	6.0	4.3	3.2	1.4	330.9	226.6	103.4	13.0	635.4	4.3	EXTREMADAMENTE SEVERA
HA20045	4.7	1.9	2.3	1.7	707.2	530.5	307.4	15.0	1629.0	4.9	MUY SEVERA

Tabla C.147. Características de la sequía promedio de cada estación climatológica del estado de Oaxaca.

Código	Características promedio de la sequía meteorológica									Ruvia disponible	Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS			
Estación	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c	H _p	disp S(mm)	H _p disp S(mm)	
HA20046	3.8	1.3	1.7	0.4	274.0	115.9	161.1	26.0	450.1	5.2	VASTA	
HA20047	4.1	1.6	1.8	1.1	406.7	484.3	225.9	15.0	1243.9	6.3	SEVERA	
HA20048	4.1	1.5	2.1	0.7	630.5	277.4	300.2	32.0	615.0	3.9	MUY CRITICA	
HA20049	6.0	3.5	3.7	3.6	863.1	1236.5	233.2	38.0	372.7	4.8	CATASTROFICA	
HA20051	3.3	0.8	1.8	1.0	258.2	244.9	143.4	20.0	562.9	5.6	SEVERA	
HA20052	4.2	1.6	2.0	1.2	559.5	177.1	279.7	34.0	537.3	4.5	MUY CRITICA	
HA20053	3.2	0.7	1.3	0.4	376.1	325.0	289.3	38.0	462.6	8.1	CRITICA	
HA20054	5.5	0.5	2.6	0.9	526.7	110.5	202.5	24.0	634.8	4.5	MUY VASTA	
HA20055	3.8	1.6	1.8	1.2	966.6	545.5	537.0	11.0	4256.3	4.6	SEVERA	
HA20056	4.0	1.5	2.2	0.9	960.7	720.3	436.6	27.0	1150.7	4.5	MUY VASTA	
HA20057	9.0	2.0	3.3	0.9	1526.8	1661.7	462.6	23.0	1524.4	6.4	EXTREMADAMENTE VASTA	
HA20060	4.2	1.2	2.1	1.0	534.6	341.0	254.5	28.0	633.6	4.4	MUY VASTA	
HA20061	3.3	1.2	1.5	0.7	362.7	216.1	241.8	12.0	1642.0	7.7	SEVERA	
HA20062	4.2	1.4	2.4	1.3	500.4	309.4	208.5	27.0	537.1	3.9	MUY VASTA	
HA20064	8.5	2.5	3.6	1.2	796.5	366.0	221.2	17.0	1072.0	4.4	EXTREMADAMENTE SEVERA	
HA20065	3.6	0.4	2.5	1.1	421.5	94.6	168.6	27.0	451.6	2.9	MUY VASTA	
HA20066	4.5	1.0	1.9	0.8	363.1	197.1	191.1	29.0	460.6	10.7	VASTA	
HA20068	7.8	3.8	3.2	4.0	1283.9	1629.4	401.2	27.0	1073.9	4.8	EXTREMADAMENTE VASTA	
HA20069	5.0	0.8	1.7	0.4	2388.2	315.9	1404.8	40.0	2070.8	5.9	CRITICA	
HA20070	3.6	1.0	2.2	1.5	256.2	199.9	116.4	18.0	496.4	4.1	MUY SEVERA	
HA20071	3.6	1.3	2.2	1.1	276.2	181.0	125.5	22.0	441.2	4.1	MUY VASTA	
HA20072	2.8	0.8	1.4	0.6	394.7	287.7	281.9	12.0	2029.0	4.6	SEVERA	
HA20073	3.0	1.2	1.1	0.3	183.4	108.6	166.7	23.0	551.7	8.3	VASTA	
HA20074	5.0	2.0	2.0	0.8	341.7	152.6	170.8	26.0	473.3	5.4	MUY VASTA	
HA20076	5.5	3.2	3.0	2.6	371.1	319.9	123.6	34.0	232.1	3.6	CATASTROFICA	
HA20077	3.5	1.1	2.0	0.8	403.4	244.1	201.6	12.0	1388.2	5.3	MUY SEVERA	
HA20079	6.0	2.2	2.6	1.2	362.9	138.6	139.5	19.0	581.5	3.4	MUY SEVERA	
HA20080	4.0	1.9	2.5	1.5	475.1	243.6	190.0	25.0	567.2	4.6	MUY VASTA	
HA20081	3.4	1.2	1.8	0.9	885.5	828.8	491.9	15.0	2694.5	4.7	SEVERA	
HA20082	3.7	1.5	1.8	1.3	523.1	518.7	290.6	21.0	1047.4	4.7	VASTA	
HA20083	3.8	2.3	1.8	1.7	200.9	214.9	111.6	22.0	376.5	5.4	VASTA	
HA20084	4.0	2.0	1.5	0.6	783.6	509.8	522.4	26.0	1452.5	6.5	VASTA	
HA20085	4.1	1.3	2.7	1.4	271.6	232.5	100.5	13.0	655.5	4.9	MUY SEVERA	
HA20086	6.0	1.8	3.0	1.6	692.2	528.2	230.7	20.0	922.4	5.5	EXTREMADAMENTE SEVERA	
HA20087	3.7	1.4	2.3	1.0	605.2	299.3	263.1	27.0	710.1	3.8	MUY VASTA	
HA20088	5.1	3.4	3.6	1.8	1495.6	827.1	415.4	28.0	1051.8	3.3	EXTREMADAMENTE VASTA	
HA20090	4.7	3.0	2.6	2.4	486.7	736.1	187.1	20.0	745.5	4.2	MUY SEVERA	
HA20091	5.3	1.2	2.2	0.8	664.5	263.4	302.0	32.0	625.9	4.7	MUY CRITICA	
HA20093	4.5	0.5	4.0	2.1	917.4	639.6	229.3	31.0	500.2	1.9	MUY CRITICA	
HA20094	5.7	2.7	2.3	1.7	798.0	509.1	346.9	14.0	2001.9	5.6	MUY SEVERA	

Tabla C.147. Características de la sequía promedio de cada estación climatológica del estado de Oaxaca.

Estación	Características promedio de la sequía meteorológica									Tr(años) para	Tipo de sequía Meteorológica			
	Periodicidad	DeavStd	PerS	Duración	DeavStd	DS	Severidad	DeavStd	SS			Intensidad	% de IS	lluvia disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c	Hp disp S(mm)			Hp disp S(mm)		
HA20095	2.8	0.6	1.5	0.7	438.1	323.0	292.0	10.0	2418.6	5.8	NORMAL			
HA20096	4.4	2.0	1.6	0.7	166.8	100.3	104.2	22.0	359.9	6.6	VASTA			
HA20098	3.0	1.0	1.6	0.9	462.9	310.8	289.3	25.0	855.8	5.4	VASTA			
HA20099	3.2	1.7	1.5	0.8	217.6	296.5	145.0	17.0	702.5	5.0	SEVERA			
HA20104	4.5	1.5	2.0	0.8	391.8	232.2	195.8	36.0	344.6	4.1	MUY CRITICA			
HA20105	2.7	0.6	1.2	0.4	226.1	224.5	188.4	19.0	769.0	7.5	SEVERA			
HA20106	5.2	3.0	2.5	2.4	578.3	556.0	231.3	18.0	993.6	5.1	MUY SEVERA			
HA20107	3.6	0.9	1.5	0.5	250.7	140.3	167.1	27.0	437.8	5.4	VASTA			
HA20108	5.6	1.6	2.2	0.4	234.9	56.2	106.7	16.0	556.8	5.5	MUY SEVERA			
HA20109	5.0	1.8	3.3	1.8	622.7	536.3	188.6	28.0	467.1	3.6	EXTREMADAMENTE VASTA			
HA20112	4.3	0.8	1.3	0.4	1831.4	1350.4	1408.7	31.0	3045.0	9.0	CRITICA			
HA20113	3.6	1.6	1.8	1.0	941.4	853.7	523.0	19.0	2167.6	2.3	SEVERA			
HA20114	3.7	1.8	1.6	0.6	810.7	317.1	506.6	12.0	3463.6	4.0	SEVERA			
HA20115	4.5	1.4	2.3	1.1	499.6	342.3	217.2	20.0	859.4	4.7	MUY SEVERA			
HA20116	3.2	1.0	2.3	1.8	303.5	269.1	131.9	26.0	370.2	3.8	MUY VASTA			
HA20118	5.0	1.2	2.5	1.2	256.5	121.7	102.5	15.0	554.5	5.6	MUY SEVERA			
HA20119	4.5	1.5	1.6	0.4	235.7	42.5	147.3	29.0	347.7	4.3	VASTA			
HA20120	3.2	1.6	1.7	0.7	288.4	123.5	169.6	14.0	1034.2	5.5	SEVERA			
HA20121	2.7	0.7	1.4	0.6	250.2	122.0	178.7	32.0	372.2	5.2	CRITICA			
HA20122	5.2	2.4	2.0	1.1	393.7	409.5	196.8	22.0	694.8	6.7	MUY VASTA			
HA20124	3.0	1.1	1.2	0.6	245.1	219.3	204.2	21.0	759.9	5.7	VASTA			
HA20125	4.0	0.5	1.7	0.4	213.2	122.6	125.4	18.0	557.9	5.2	SEVERA			
HA20126	4.7	1.9	3.0	1.6	611.0	354.1	203.6	14.0	1179.7	3.7	EXTREMADAMENTE SEVERA			
HA20127	6.6	2.8	3.2	1.7	1067.3	381.9	333.5	14.0	1920.8	4.5	EXTREMADAMENTE SEVERA			
HA20128	4.0	1.7	2.3	1.2	364.4	235.9	158.4	17.0	744.9	3.9	MUY SEVERA			
HA20129	5.1	2.0	3.0	1.9	581.5	320.4	193.8	26.0	526.0	1.6	EXTREMADAMENTE VASTA			
HA20130	3.7	1.3	2.1	1.5	472.5	463.5	225.0	12.0	1583.8	5.8	MUY SEVERA			
HA20131	5.5	1.5	2.6	0.9	399.3	241.3	153.5	22.0	522.6	4.7	MUY VASTA			
HA20133	4.3	1.2	2.2	1.0	400.2	316.8	181.9	24.0	552.7	2.0	MUY VASTA			
HA20134	5.3	2.0	2.8	1.9	641.2	462.0	229.0	19.0	921.4	4.1	MUY SEVERA			
HA20135	4.5	2.3	2.2	1.6	413.9	267.2	188.1	14.0	1153.3	5.7	MUY SEVERA			
HA20136	3.3	0.9	1.7	0.6	948.0	948.2	557.6	16.0	2913.2	6.0	SEVERA			
HA20137	2.8	1.2	1.0	0.5	211.9	169.2	211.8	40.0	313.9	2.6	CRITICA			
HA20139	2.9	0.7	1.3	0.6	530.0	182.3	407.6	11.0	3143.9	5.3	SEVERA			
HA20140	3.8	1.0	1.8	0.9	526.6	435.6	292.5	12.0	2114.8	5.3	SEVERA			
HA20141	3.5	1.4	2.1	1.1	297.6	187.5	141.7	14.0	805.3	3.6	MUY SEVERA			
HA20143	5.0	2.0	2.0	0.8	187.9	115.3	93.9	18.0	426.3	4.9	MUY SEVERA			
HA20144	4.0	1.5	2.5	1.3	235.5	177.8	94.1	17.0	435.1	3.5	MUY SEVERA			
HA20145	3.3	1.1	1.4	0.4	376.4	175.4	268.8	16.0	1334.4	6.5	SEVERA			
HA20146	3.2	1.0	1.8	0.7	263.5	171.5	146.3	16.0	759.3	4.4	SEVERA			

Tabla C.147. Características de la sequía promedio de cada estación climatológica del estado de Oaxaca. r

Estepes	Características promedio de la sequía meteorológica										Tr(años)	Tipo de sequía	
	Periodicidad	DeevStd	PerS	Duración	DeevStd	DS	Severidad	DeevStd	SS	Intensidad			% de IS
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c	H _p disp S(mm)	H _p disp S(mm)			para
HA20148	6.0	3.6	3.5	2.1	1230.1	642.1	351.4	20.0	1358.3	3.8	EXTREMADAMENTE SEVERA		
HA20149	3.4	1.1	2.2	1.1	449.7	347.1	204.4	24.0	619.2	3.7	MUY VASTA		
HA20150	3.1	1.1	1.7	0.8	273.5	232.4	160.8	19.0	668.0	3.9	SEVERA		
HA20151	3.6	1.3	2.1	1.3	371.0	298.8	176.6	24.0	558.5	3.8	MUY VASTA		
HA20152	3.3	0.7	1.8	0.8	763.3	336.3	424.0	16.0	2178.9	4.6	SEVERA		
HA20153	3.5	0.4	1.6	0.9	476.0	828.6	297.5	14.0	1721.6	6.0	SEVERA		
HA20156	5.7	2.4	2.6	1.6	306.8	108.1	118.0	24.0	359.9	5.5	MUY VASTA		
HA20157	4.1	1.4	2.2	1.4	290.2	177.0	131.9	24.0	404.2	5.0	MUY VASTA		
HA20158	5.2	2.5	2.8	2.1	487.1	344.7	173.9	18.0	789.9	4.1	MUY SEVERA		
HA20159	4.0	1.4	1.8	0.9	254.7	180.7	141.5	22.0	481.5	5.8	VASTA		
HA20160	5.0	3.0	2.8	3.1	503.5	700.3	179.8	14.0	1076.4	4.2	MUY SEVERA		
HA20161	6.6	4.1	3.2	2.2	718.8	455.7	224.6	10.0	1938.9	4.1	EXTRAORDINARIA		
HA20162	3.5	2.1	2.1	1.5	281.5	254.5	134.0	23.0	441.3	4.0	MUY VASTA		
HA20163	4.3	0.8	2.5	0.9	218.5	177.0	87.4	14.0	504.6	4.0	MUY SEVERA		
HA20164	4.2	0.7	2.5	1.3	485.4	451.3	194.1	20.0	768.9	4.2	MUY SEVERA		
HA20165	3.5	1.0	2.0	1.0	212.9	118.4	106.4	19.0	451.6	4.2	MUY SEVERA		
HA20166	2.7	0.4	1.1	0.3	173.9	137.6	158.0	30.0	355.9	5.6	VASTA		
HA20167	2.9	0.8	2.0	0.7	290.9	146.4	145.4	17.0	703.6	7.5	MUY SEVERA		
HA20169	3.2	0.8	1.5	0.8	960.4	682.7	640.2	23.0	2140.5	9.3	VASTA		
HA20170	3.6	1.9	1.9	1.4	206.3	216.4	108.5	25.0	311.2	4.5	VASTA		
HA20172	4.1	1.1	2.1	1.0	781.5	520.2	372.1	16.0	1820.4	4.7	MUY SEVERA		
HA20173	4.5	1.9	2.3	2.0	629.1	764.1	273.5	27.0	717.2	5.8	MUY VASTA		
HA20174	3.3	1.1	1.7	0.8	800.1	545.0	470.6	13.0	3139.7	4.6	SEVERA		
HA20175	2.9	0.7	1.6	0.6	651.0	282.6	406.8	11.0	3184.5	4.2	SEVERA		
HA20176	5.2	2.9	2.5	1.8	868.0	634.7	347.2	19.0	1420.5	4.8	MUY SEVERA		
HA20177	3.1	0.5	2.1	1.4	504.5	403.1	240.2	15.0	1295.7	3.7	MUY SEVERA		
HA20178	3.7	1.0	2.0	0.8	266.7	155.0	133.3	14.0	755.9	4.8	MUY SEVERA		
HA20179	5.7	1.9	2.8	1.9	374.2	297.8	133.6	16.0	653.5	4.2	MUY SEVERA		
HA20180	4.5	0.5	1.6	0.4	216.7	174.5	135.4	25.0	403.4	2.9	VASTA		
HA20181	4.0	2.2	1.8	0.6	296.3	249.9	164.6	15.0	869.4	5.1	SEVERA		
HA20182	6.6	2.4	3.2	1.0	258.3	24.5	80.7	21.0	289.1	5.0	EXTREMADAMENTE VASTA		
HA20183	6.0	2.3	3.3	1.6	901.6	226.2	273.2	11.0	2162.0	4.2	EXTREMADAMENTE SEVERA		
HA20186	3.6	0.8	1.5	0.6	340.6	414.6	227.0	20.0	895.6	4.8	SEVERA		
HA20187	3.5	2.0	1.7	0.7	363.1	328.8	213.5	13.0	1414.7	7.1	SEVERA		
HA20189	3.8	1.9	1.8	1.2	598.8	596.8	332.6	11.0	2512.1	5.3	SEVERA		
HA20190	4.8	1.8	2.2	1.3	320.0	263.8	145.4	19.0	589.6	5.8	MUY SEVERA		
HA20191	5.0	4.6	3.0	3.9	289.6	361.8	96.5	21.0	346.9	3.9	EXTREMADAMENTE VASTA		
HA20202	3.2	0.4	2.1	1.1	207.2	114.6	98.6	17.0	474.2	3.4	MUY SEVERA		
HA20203	4.5	1.6	2.3	1.0	1021.7	1024.7	444.2	14.0	2585.2	5.8	MUY SEVERA		
HA20205	3.0	1.0	1.6	0.9	403.1	245.6	251.9	15.0	1399.8	7.0	SEVERA		

Tabla C.147. Características de la sequía promedio de cada estación climatológica del estado de Oaxaca.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DevStd P	DS	Duración	DevStd DS	DS Severidad	DevStd SS	Intensidad	% de H ₀	Varia disponible		
	Per(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X ₀	H ₀ disp S(mm)	H ₀ disp S(mm)		
HA20206	3.0	0.8	1.6	0.4	528.7	452.6	330.4	24.0	1004.3	4.5	VASTA	
HA20207	3.7	1.9	1.5	0.8	136.9	64.5	91.2	13.0	583.7	5.2	SEVERA	
HA20208	4.5	0.5	2.6	1.2	895.7	558.5	344.5	17.0	1662.5	3.9	MUY SEVERA	
HA20209	5.5	0.5	3.3	1.6	375.4	236.6	113.7	16.0	586.0	3.6	EXTREMADAMENTE SEVERA	
HA20210	4.3	1.6	2.0	1.0	679.3	227.7	339.6	16.0	1682.1	4.7	MUY SEVERA	
HA20211	2.5	0.8	1.3	0.4	215.9	122.3	166.0	22.0	582.5	6.5	VASTA	
HA20221	4.0	1.0	2.0	0.5	368.8	224.2	184.3	31.0	402.1	4.5	MUY CRITICA	
HA20223	5.0	0.0	2.5	1.5	777.9	357.7	311.1	22.0	1098.2	4.0	MUY VASTA	
HA20231	2.5	0.5	1.3	0.4	599.1	202.7	460.8	31.0	1015.4	5.2	CRITICA	
HA20232	3.0	0.5	1.3	0.4	701.1	596.1	539.3	26.0	1495.6	8.0	VASTA	
HA20233	2.7	0.8	1.5	0.8	163.1	160.6	108.7	23.0	360.8	5.4	VASTA	
HA20234	3.5	0.5	2.0	0.5	470.6	265.6	235.3	12.0	1624.5	3.8	MUY SEVERA	
HA20238	3.0	0.5	1.3	0.4	716.7	481.9	551.3	22.0	1891.1	7.1	VASTA	
HA20246	3.0	0.8	2.0	0.7	393.8	184.4	196.8	20.0	784.5	3.7	MUY SEVERA	
HA20248	4.0	1.0	2.6	0.4	139.0	62.7	53.4	11.0	430.8	3.6	MUY SEVERA	
HA20256	2.9	0.8	1.5	0.8	550.2	723.0	366.7	24.0	1135.9	1.9	VASTA	
HA20258	3.0	0.8	1.5	0.5	192.5	164.5	128.3	20.0	489.8	4.2	SEVERA	
HA20259	5.5	2.5	1.6	0.9	663.1	473.7	414.4	32.0	869.2	7.1	CRITICA	
HA20275	5.0	1.0	1.6	0.9	201.0	121.8	125.6	18.0	563.8	7.8	SEVERA	
HA20277	2.5	0.5	1.1	0.3	187.5	124.7	170.4	26.0	475.1	6.2	VASTA	
HA20279	3.2	1.0	1.3	0.4	722.6	755.2	555.8	13.0	3428.3	8.0	SEVERA	
HA20280	3.0	1.2	0.9	0.0	135.2	79.6	150.2	21.0	552.8	8.9	SEVERA	
HA20282	3.3	1.2	1.5	0.8	674.2	617.0	449.4	33.0	876.1	5.3	CRITICA	
HA20287	3.0	0.8	1.7	0.8	646.1	413.0	380.0	23.0	1213.4	4.8	VASTA	
HA20289	3.0	1.4	1.7	1.2	408.1	506.1	240.0	20.0	924.4	4.5	SEVERA	
HA20290	3.3	0.4	1.7	0.8	218.5	191.9	128.5	10.0	1072.8	3.7	NORMAL	
HA20292	2.5	0.5	1.1	0.3	452.5	225.1	411.3	29.0	979.8	6.0	VASTA	
HA20300	7.0	0.5	3.5	2.5	645.7	263.6	184.4	24.0	565.6	3.1	EXTREMADAMENTE VASTA	
HA20308	2.6	0.4	1.2	0.4	225.7	119.5	188.0	16.0	930.5	5.5	SEVERA	
HA20314	2.5	0.5	1.1	0.3	157.1	108.8	142.8	19.0	586.4	4.6	SEVERA	
HA20326	3.5	0.5	1.9	0.8	261.5	183.9	137.6	15.0	745.9	4.4	SEVERA	
HA20334	4.5	2.5	1.0	0.5	632.7	158.2	632.7	22.0	2183.7	7.9	VASTA	
HA20341	7.0	0.5	3.5	2.5	1116.9	934.4	319.1	30.0	740.0	3.6	EXTREMADAMENTE VASTA	
HA20342	3.5	0.5	2.3	0.4	1475.4	756.2	641.4	31.0	1396.0	3.6	MUY CRITICA	
HA20343	3.0	0.5	2.3	1.2	481.3	190.3	209.2	28.0	521.4	3.2	MUY VASTA	

Tabla C.147. Características de la sequía promedio de cada estación climatológica del estado de Oaxaca.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I'	Intensidad	Duración I máx	% de I máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I'(mm/a\acute{o})$	respecto a X_c	I máx(mm/año)	D (años)	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA20001	4758.2	5.0	951.6	37.0	2108.0	1.0	83.0	66.6	11.1	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0
HA20002	276.0	1.0	276.0	65.0	276.0	1.0	65.0	57.1	14.2	20.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20003	496.9	4.0	124.2	24.0	155.9	2.0	30.0	37.5	50.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA20004	966.9	4.0	241.7	32.0	241.7	4.0	32.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA20005	522.1	3.0	174.0	33.0	276.1	1.0	52.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20006	1747.7	7.0	249.6	7.0	628.2	1.0	18.0	60.0	0.0	0.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0
HA20007	1883.8	7.0	269.1	20.0	304.3	1.0	22.0	50.0	33.3	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0
HA20008	1677.2	2.0	838.6	35.0	838.6	2.0	35.0	62.5	25.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
HA20009	1176.5	8.0	147.0	28.0	307.3	1.0	60.0	50.0	30.0	0.0	0.0	10.0	0.0	0.0	10.0	0.0	0.0
HA20010	3169.6	9.0	352.1	16.0	750.8	3.0	35.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0
HA20012	2270.2	2.0	1135.1	19.0	1135.1	2.0	19.0	71.4	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20013	1497.9	9.0	166.4	23.0	256.6	2.0	36.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0
HA20014	1957.3	2.0	978.6	28.0	1420.4	1.0	41.0	58.3	33.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20015	2198.5	6.0	366.4	20.0	366.4	6.0	20.0	25.0	25.0	25.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
HA20016	4582.9	6.0	763.8	17.0	763.8	6.0	17.0	16.6	33.3	0.0	16.6	0.0	33.3	0.0	0.0	0.0	0.0
HA20017	971.2	6.0	161.8	7.0	274.3	2.0	12.0	33.3	33.3	0.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0
HA20018	2162.5	3.0	720.8	38.0	720.8	3.0	38.0	50.0	0.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0
HA20019	917.5	6.0	152.9	28.0	408.5	1.0	77.0	14.2	42.8	0.0	28.5	0.0	14.2	0.0	0.0	0.0	0.0
HA20020	676.4	4.0	169.1	20.0	406.2	1.0	49.0	42.8	14.2	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0
HA20022	1186.2	5.0	237.2	40.0	237.2	5.0	40.0	62.5	12.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
HA20023	1055.3	5.0	211.0	20.0	211.0	5.0	20.0	33.3	16.6	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0
HA20024	410.7	3.0	136.9	26.0	306.5	1.0	60.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20025	482.0	5.0	96.4	21.0	239.5	1.0	53.0	33.3	16.6	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0
HA20026	678.6	7.0	96.9	10.0	506.7	1.0	53.0	16.6	33.3	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0
HA20027	936.2	6.0	156.0	16.0	316.7	1.0	34.0	50.0	20.0	10.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0
HA20028	509.6	2.0	254.8	44.0	254.8	2.0	44.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20029	4717.7	6.0	786.2	19.0	786.2	6.0	19.0	14.2	57.1	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA20030	5592.2	7.0	798.8	30.0	798.8	7.0	30.0	75.0	12.5	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0
HA20031	570.3	5.0	114.0	24.0	206.5	1.0	44.0	66.6	11.1	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0
HA20032	801.1	4.0	200.2	21.0	252.2	2.0	26.0	37.5	37.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA20034	425.4	2.0	212.7	30.0	212.7	2.0	30.0	42.8	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20036	1452.2	6.0	242.0	9.0	778.9	1.0	29.0	50.0	37.5	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
HA20037	2516.5	2.0	1258.2	40.0	1258.2	2.0	40.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20038	1247.7	4.0	311.9	20.0	420.5	1.0	27.0	42.8	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA20039	2268.7	7.0	324.1	35.0	350.0	1.0	38.0	44.4	22.2	22.2	0.0	0.0	0.0	11.1	0.0	0.0	0.0
HA20040	374.6	2.0	187.3	24.0	187.3	2.0	24.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20041	497.8	1.0	497.8	51.0	497.8	1.0	51.0	70.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20043	1079.8	6.0	179.9	28.0	265.1	1.0	42.0	33.3	16.6	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA20044	653.8	4.0	163.4	22.0	163.4	4.0	22.0	25.0	0.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0
HA20045	1682.0	6.0	280.3	14.0	620.1	1.0	32.0	50.0	16.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0

Tabla C.148. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Oaxaca.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	P=Smáx/Dmáx	% de P	Intensidad	Duración / máx	% de P máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	P (trm/año)	respecto a X _c	I máx(mm/año)	D / máx(años)	respecto a X _c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA20046	390.7	2.0	195.3	31.0	195.3	2.0	31.0	28.5	71.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20047	1223.9	4.0	305.9	20.0	362.9	3.0	24.0	57.1	14.2	14.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0
HA20048	1050.1	3.0	350.0	38.0	374.5	2.0	40.0	25.0	37.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20049	2994.4	10.0	299.4	49.0	299.4	10.0	49.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0
HA20051	754.4	4.0	188.6	26.0	310.4	1.0	43.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA20052	744.0	4.0	186.0	22.0	559.5	1.0	68.0	60.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20053	998.8	2.0	499.4	66.0	499.4	2.0	66.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20054	614.4	4.0	153.6	18.0	297.5	2.0	35.0	0.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA20055	1951.8	5.0	390.3	8.0	1237.7	1.0	25.0	55.5	22.2	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0
HA20056	2117.4	4.0	529.3	33.0	709.6	2.0	44.0	20.0	60.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20057	3876.5	4.0	969.1	48.0	969.1	4.0	48.0	0.0	33.3	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0
HA20060	1240.6	4.0	310.1	34.0	514.1	1.0	57.0	33.3	44.4	0.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0
HA20061	730.0	3.0	243.3	12.0	560.7	1.0	29.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20062	1076.0	4.0	269.0	36.0	402.5	1.0	53.0	40.0	20.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20064	1235.2	5.0	247.0	19.0	407.5	2.0	31.0	0.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0
HA20065	558.2	3.0	186.0	29.0	292.2	1.0	47.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20066	565.5	3.0	188.5	28.0	252.3	2.0	38.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20068	5060.6	13.0	389.2	26.0	829.1	1.0	56.0	57.1	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA20069	2781.5	2.0	1390.7	40.0	2312.5	1.0	66.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20070	835.1	7.0	119.3	19.0	193.7	2.0	31.0	18.1	72.7	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0
HA20071	692.5	4.0	173.1	30.0	224.7	1.0	39.0	33.3	33.3	11.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0
HA20072	1116.8	3.0	372.2	16.0	570.1	1.0	24.0	63.6	27.2	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20073	296.9	2.0	148.4	20.0	284.3	1.0	39.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20074	515.1	1.0	515.1	79.0	515.1	1.0	79.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20076	941.4	9.0	104.6	29.0	202.8	1.0	57.0	28.5	42.8	0.0	14.2	0.0	0.0	0.0	0.0	14.2	0.0
HA20077	724.2	2.0	362.1	22.0	362.1	2.0	22.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20079	532.0	5.0	106.4	14.0	173.4	3.0	24.0	16.6	33.3	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA20080	972.5	3.0	324.1	42.0	349.5	1.0	46.0	28.5	28.5	28.5	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA20081	2695.5	4.0	723.8	22.0	877.4	2.0	27.0	50.0	30.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20082	2013.7	6.0	335.6	25.0	446.7	2.0	33.0	50.0	41.6	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0
HA20083	686.0	6.0	114.3	23.0	256.8	1.0	52.0	71.4	14.2	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA20084	2080.9	2.0	1040.4	52.0	1040.4	2.0	52.0	55.5	33.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20085	833.5	3.0	277.8	36.0	277.8	3.0	36.0	12.5	50.0	12.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0
HA20086	1584.2	6.0	264.0	22.0	278.9	3.0	24.0	20.0	20.0	40.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA20087	1059.5	4.0	264.8	27.0	287.2	2.0	29.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20088	2686.1	7.0	383.7	26.0	611.9	2.0	41.0	0.0	50.0	0.0	16.6	16.6	0.0	16.6	0.0	0.0	0.0
HA20090	2116.2	8.0	264.5	28.0	264.5	8.0	28.0	50.0	16.6	16.6	0.0	0.0	0.0	0.0	16.6	0.0	0.0
HA20091	947.6	3.0	315.8	34.0	406.6	1.0	43.0	25.0	25.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20093	1801.2	7.0	257.3	35.0	257.3	7.0	35.0	0.0	33.3	33.3	0.0	0.0	0.0	33.3	0.0	0.0	0.0
HA20094	1626.6	6.0	271.1	11.0	1068.6	1.0	45.0	50.0	16.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0

Tabla C.148. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Oaxaca.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^m =Smáx/Dmáx	% de I ^m	Intensidad	Duración / máx	% de I / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I ^m (mm/año)	respecto a X _o	I máx(mm/año)	D I máx(años)	respecto a X _o	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA20095	1030.1	2.0	515.0	18.0	515.0	2.0	18.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20096	331.4	3.0	110.4	23.0	248.7	1.0	53.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20098	1077.2	3.0	359.0	31.0	506.9	1.0	44.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20099	852.8	3.0	284.2	33.0	284.2	3.0	33.0	66.6	11.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20104	710.3	3.0	236.7	43.0	301.8	1.0	55.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20105	794.3	1.0	794.3	82.0	794.3	1.0	82.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20106	1489.9	8.0	186.2	15.0	553.7	2.0	45.0	50.0	33.3	0.0	0.0	0.0	0.0	0.0	16.6	0.0	0.0
HA20107	415.7	1.0	415.7	68.0	415.7	1.0	68.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20108	298.5	3.0	99.5	14.0	141.5	2.0	21.0	0.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20109	1734.2	7.0	247.7	37.0	258.4	1.0	39.0	12.5	37.5	0.0	25.0	12.5	0.0	12.5	0.0	0.0	0.0
HA20112	3506.8	1.0	3506.8	78.0	3506.8	1.0	78.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20113	2710.7	4.0	677.6	25.0	1299.6	1.0	48.0	55.5	11.1	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA20114	1547.0	3.0	515.6	12.0	1050.7	1.0	26.0	44.4	44.4	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20115	1096.5	3.0	365.5	33.0	365.5	3.0	33.0	33.3	16.6	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA20116	622.1	6.0	103.6	20.0	307.6	2.0	61.0	40.0	40.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA20118	384.5	3.0	128.1	19.0	175.9	2.0	26.0	16.6	50.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA20119	295.9	2.0	147.9	29.0	208.1	1.0	42.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20120	565.1	3.0	188.3	15.0	298.3	1.0	24.0	44.4	33.3	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20121	403.4	1.0	403.4	73.0	403.4	1.0	73.0	70.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20122	1242.7	4.0	310.6	34.0	310.6	4.0	34.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA20124	737.6	1.0	737.6	76.0	737.6	1.0	76.0	85.7	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20125	347.2	2.0	173.6	25.0	173.6	2.0	25.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20126	1070.9	5.0	214.1	15.0	244.0	1.0	17.0	33.3	0.0	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0
HA20127	1602.7	5.0	320.5	14.0	711.4	1.0	31.0	25.0	25.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0
HA20128	854.3	4.0	213.5	23.0	435.8	1.0	48.0	37.5	12.5	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20129	964.3	7.0	137.7	19.0	313.1	3.0	43.0	16.6	33.3	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0
HA20130	1322.4	3.0	440.8	24.0	440.8	3.0	24.0	62.5	0.0	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0
HA20131	737.5	4.0	184.3	27.0	184.3	4.0	27.0	0.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA20133	933.8	4.0	233.4	31.0	233.4	4.0	31.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20134	1437.1	7.0	205.3	17.0	357.5	3.0	31.0	16.6	50.0	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
HA20135	909.9	5.0	181.9	13.0	324.9	1.0	24.0	50.0	25.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA20136	3187.1	2.0	1593.5	45.0	1593.5	2.0	45.0	42.8	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20137	504.6	1.0	504.6	95.0	504.6	1.0	95.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20139	829.7	1.0	829.7	23.0	829.7	1.0	23.0	75.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20140	1288.2	2.0	644.1	26.0	644.1	2.0	26.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA20141	698.6	3.0	232.8	24.0	524.8	1.0	55.0	33.3	33.3	25.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0
HA20143	282.5	3.0	94.1	18.0	127.9	2.0	24.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20144	625.5	5.0	125.1	23.0	150.1	1.0	28.0	28.5	28.5	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0
HA20145	841.9	1.0	841.9	40.0	841.9	1.0	40.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20146	499.3	3.0	166.4	18.0	214.5	1.0	23.0	37.5	37.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.148. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Oaxaca.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA20148	1967.8	5.0	393.5	23.0	535.8	2.0	31.0	20.0	20.0	20.0	0.0	20.0	0.0	20.0	0.0	0.0	0.0
HA20149	1105.9	4.0	276.4	33.0	276.4	4.0	33.0	37.5	25.0	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20150	694.1	4.0	173.5	20.0	270.8	2.0	32.0	50.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20151	970.8	4.0	242.7	33.0	311.1	1.0	42.0	50.0	16.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA20152	1192.4	2.0	596.2	22.0	1128.8	1.0	43.0	42.8	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20153	2652.7	4.0	663.1	32.0	663.1	4.0	32.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA20156	489.2	6.0	81.5	17.0	220.6	1.0	46.0	33.3	16.6	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA20157	560.0	5.0	112.0	20.0	276.4	2.0	51.0	50.0	12.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0
HA20158	1201.8	7.0	171.7	17.0	383.2	1.0	39.0	33.3	33.3	0.0	6.6	0.0	0.0	16.6	0.0	0.0	0.0
HA20159	593.3	2.0	296.6	47.0	296.6	2.0	47.0	42.8	42.8	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0
HA20160	1886.9	9.0	209.6	16.0	284.0	1.0	22.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0
HA20161	1465.5	7.0	209.3	9.0	327.3	2.0	15.0	25.0	25.0	25.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0
HA20162	822.8	6.0	137.1	23.0	199.6	1.0	34.0	50.0	20.0	20.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
HA20163	515.9	4.0	128.9	21.0	129.9	3.0	21.0	16.6	33.3	33.3	6.6	0.0	0.0	0.0	0.0	0.0	0.0
HA20164	1248.0	5.0	249.6	25.0	293.7	2.0	30.0	33.3	16.6	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA20165	444.4	3.0	148.1	26.0	300.5	1.0	53.0	37.5	37.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA20166	315.5	1.0	315.5	61.0	315.5	1.0	61.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20167	497.4	2.0	248.7	29.0	248.7	2.0	29.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20169	2220.0	2.0	1110.0	39.0	1110.0	2.0	39.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20170	783.6	6.0	130.6	31.0	264.7	1.0	63.0	58.3	16.6	16.6	0.0	0.0	8.3	0.0	0.0	0.0	0.0
HA20172	1743.1	3.0	581.0	26.0	630.9	1.0	28.0	37.5	25.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA20173	2211.5	6.0	368.5	37.0	540.3	2.0	54.0	45.4	36.3	0.0	0.0	0.0	9.0	9.0	0.0	0.0	0.0
HA20174	1725.3	3.0	575.1	15.0	602.5	1.0	16.0	57.1	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20175	1020.5	2.0	510.2	14.0	901.8	1.0	25.0	50.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20176	1699.9	3.0	566.6	32.0	566.6	3.0	32.0	40.0	20.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA20177	1451.2	6.0	241.8	15.0	370.5	2.0	24.0	30.0	50.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
HA20178	509.3	3.0	169.7	19.0	226.0	1.0	25.0	37.5	25.0	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20179	959.3	6.0	159.8	20.0	243.7	1.0	30.0	40.0	20.0	0.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0
HA20180	432.8	2.0	216.4	40.0	216.4	2.0	40.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20181	826.0	2.0	413.0	39.0	413.0	2.0	39.0	28.5	57.1	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20182	277.9	5.0	55.5	15.0	108.1	2.0	29.0	0.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA20183	1283.5	6.0	213.9	8.0	607.3	1.0	24.0	20.0	0.0	40.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0
HA20186	1447.9	3.0	482.6	42.0	512.6	1.0	45.0	55.5	33.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20187	976.7	2.0	488.3	29.0	488.3	2.0	29.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20189	2098.3	5.0	419.6	14.0	605.1	1.0	21.0	50.0	37.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0
HA20190	801.4	2.0	400.7	54.0	400.7	2.0	54.0	33.3	44.4	0.0	11.1	11.1	0.0	0.0	0.0	0.0	0.0
HA20191	1009.0	11.0	91.7	20.0	165.3	1.0	37.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20202	395.0	4.0	98.7	17.0	116.2	1.0	20.0	40.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20203	2625.2	4.0	656.3	21.0	656.3	4.0	21.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20205	699.2	1.0	699.2	42.0	699.2	1.0	42.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.148. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Oaxaca.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad	Duración	I^m	$Dmáx$	% de I^m	Intensidad	Duración	% de I^m	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S (mm)	D (años)	I (mm/año)	respecto a X_c	I (mm/año)	D (años)	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA20206	1214.9	2.0	607.4	45.0	607.4	2.0	45.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20207	224.3	1.0	224.3	33.0	224.3	1.0	33.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20208	1677.5	4.0	419.3	20.0	419.3	4.0	20.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20209	550.1	5.0	110.0	15.0	133.8	4.0	19.0	33.3	0.0	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA20210	1013.4	1.0	1013.4	50.0	1013.4	1.0	50.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20211	410.5	1.0	410.5	54.0	410.5	1.0	54.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20221	651.9	2.0	325.9	55.0	325.9	2.0	55.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20223	1135.6	4.0	283.9	20.0	420.1	1.0	29.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20231	876.3	2.0	438.1	29.0	524.2	1.0	35.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20232	1712.2	2.0	856.1	42.0	1026.7	1.0	50.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20233	446.9	3.0	148.9	31.0	148.9	3.0	31.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20234	846.3	2.0	423.1	22.0	423.1	2.0	22.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20238	1265.3	1.0	1265.3	51.0	1265.3	1.0	51.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20246	611.8	2.0	305.9	31.0	371.3	1.0	37.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20248	205.7	3.0	68.5	14.0	78.2	2.0	16.0	0.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20256	1767.2	3.0	589.0	39.0	589.0	3.0	39.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20258	471.8	2.0	235.9	38.0	235.9	2.0	38.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20259	1302.8	3.0	434.2	33.0	515.6	1.0	40.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20275	339.6	3.0	113.2	16.0	220.3	1.0	31.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20277	300.7	2.0	150.3	23.0	287.5	1.0	44.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20279	2130.9	2.0	1065.4	26.0	1065.4	2.0	26.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20280	272.2	1.0	272.2	38.0	272.2	1.0	38.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20282	1536.5	3.0	512.1	38.0	981.0	1.0	74.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20287	1136.7	2.0	568.3	35.0	568.3	2.0	35.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20289	1284.3	4.0	321.0	27.0	321.0	4.0	27.0	75.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20290	511.7	3.0	170.5	14.0	170.5	3.0	14.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20292	678.3	1.0	678.3	48.0	678.3	1.0	48.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20300	909.4	6.0	151.5	20.0	382.0	1.0	50.0	50.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0
HA20308	406.9	1.0	407.0	36.0	407.0	1.0	36.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20314	365.4	1.0	365.4	50.0	365.4	1.0	50.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20326	512.4	3.0	170.8	19.0	170.8	3.0	19.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20334	847.7	1.0	847.7	30.0	847.7	1.0	30.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20341	2051.3	6.0	341.8	32.0	341.8	6.0	32.0	50.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0
HA20342	2064.0	3.0	688.0	33.0	977.1	2.0	47.0	0.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA20343	735.4	4.0	183.8	25.0	431.3	1.0	59.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.148. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Oaxaca.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años) primer	lluvia mínima registrada Hp mín(mm)	Tr(años) para
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años			
	X _o (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)			
Abejones	874.8	858.4	206.5	0.2	3.3	0.24	850.0	743.0	673.0	599.0	488.0	389.0	34.7	453.0	64.4
Acatlán de Pérez Figueroa	1767.7	1758.4	455.7	0.5	3.1	0.26	1730.0	1407.0	1201.0	1000.0	730.0	519.0	7.0	1146.2	12.1
Ánimas Trujano	662.4	631.5	151.5	0.4	3.6	0.23	622.0	531.0	470.0	391.0	259.0	154.0	15.7	350.3	26.8
Asunción Cacalotepec	2070.8	2044.1	620.8	0.3	3.2	0.30	2011.0	1564.0	1279.0	993.0	593.0	267.0	13.0	933.3	23.1
Asunción Cuyotepeji	703.4	692.5	232.1	0.1	4.0	0.33	736.0	540.0	412.0	289.0	130.0	11.0	18.2	201.0	33.2
Asunción Ixtaltepec	1078.4	993.0	324.1	0.6	3.7	0.30	1014.0	834.0	719.0	601.0	425.0	272.0	15.6	508.4	33.2
Asunción Nochixtlán	875.0	845.0	219.9	0.1	3.2	0.25	851.0	714.0	633.0	556.0	458.0	385.0	52.5	361.5	125.1
Asunción Ocotlán	664.4	660.5	138.8	0.6	4.2	0.21	647.0	598.0	492.0	416.0	295.0	192.0	13.3	398.7	23.0
Asunción Tlaxiuhitlán	1052.8	1140.8	353.5	0.2	2.6	0.34	985.0	740.0	643.0	545.0	399.0	267.0	14.1	467.5	33.3
Ayoquezo de Aldama	664.4	660.5	138.8	0.6	4.2	0.21	647.0	558.0	492.0	416.0	295.0	192.0	13.3	398.7	23.0
Ayotzintepic	3470.9	3387.2	835.9	-1.5	9.1	0.24	3556.0	3012.0	2634.0	2244.0	1694.0	1251.0	128.0	654.9	243.0
Barrio de la Soledad, El	1408.6	1396.1	379.2	0.2	2.6	0.27	1360.0	1060.0	895.0	737.0	529.0	367.0	13.2	667.0	27.3
Chalhualá	947.5	909.0	252.9	1.7	8.7	0.27	927.0	741.0	614.0	482.0	287.0	105.0	6.4	558.2	13.5
Candelaria Loxicha	932.7	868.1	301.2	0.4	4.8	0.32	910.0	712.0	584.0	459.0	291.0	159.0	32.0	233.4	67.9
Capulalpam de Méndez	1336.4	1352.8	262.8	-0.8	5.4	0.20	1335.0	1122.0	986.0	857.0	687.0	559.0	43.4	593.9	82.9
Ciénega de Zimatlán	627.5	611.2	201.9	0.0	3.6	0.32	605.0	496.0	421.0	337.0	209.0	86.0	41.3	147.8	89.9
Ciudad Ixtepec	1029.7	990.7	304.1	0.3	2.4	0.30	978.0	778.0	662.0	555.0	417.0	314.0	9.1	579.7	17.0
Coatecas Altas	657.1	656.0	152.9	1.0	5.2	0.23	642.0	563.0	511.0	463.0	400.0	352.0	18.8	398.7	50.6
Coicoyán de las Flores	1506.7	1437.3	430.5	0.9	5.0	0.29	1442.0	1165.0	957.0	710.0	280.0	0.0	10.4	755.3	17.8
Compañía, La	657.1	656.0	152.9	1.0	5.2	0.23	642.0	563.0	511.0	463.0	400.0	352.0	18.8	398.7	50.6
Concepción Buenavista	516.6	485.0	162.7	0.6	4.1	0.31	447.0	376.0	314.0	208.0	49.0	0.0	13.7	195.4	21.6
Concepción Pápalo	650.5	635.6	174.7	0.7	5.0	0.27	646.0	519.0	436.0	355.0	247.0	163.0	13.8	313.0	28.6
Constancia del Rosario	2297.7	2388.1	443.5	-0.6	3.2	0.19	2354.0	1959.0	1710.0	1476.0	1175.0	950.0	21.2	1280.2	36.2
Cosolopa	1271.7	1244.7	312.0	0.9	5.8	0.25	1239.0	1072.0	953.0	821.0	599.0	376.0	19.7	686.0	36.1
Cosoltepec	484.2	484.0	108.3	0.6	4.7	0.22	471.0	411.0	373.0	336.0	280.0	248.0	11.8	327.9	23.1
Cuilapam de Guerrero	662.4	631.5	151.5	0.4	3.6	0.23	622.0	531.0	470.0	391.0	259.0	154.0	15.7	350.3	26.8
Cuyamecalco Villa de Zaragoza	650.5	635.6	174.7	0.7	5.0	0.27	646.0	519.0	436.0	355.0	247.0	163.0	13.8	313.0	28.6
Chahuítes	1638.1	1510.3	477.9	0.8	3.0	0.29	1500.0	1275.0	1143.0	1016.0	841.0	699.0	9.1	989.3	23.0
Chaicatongo de Hidalgo	923.1	898.8	215.7	0.6	5.5	0.23	920.0	773.0	669.0	558.0	383.0	216.0	20.7	437.0	38.6
Chiquihuitlán de Benito Juárez	1379.8	1339.8	409.8	1.5	7.2	0.30	1320.0	1051.0	847.0	599.0	122.0	0.0	9.6	650.7	17.6
Eloxochilán de Flores Magón	3323.9	3204.9	637.5	0.5	4.3	0.19	3160.0	2887.0	2631.0	2199.0	1520.0	1019.0	19.1	1914.2	29.5
Espinal, El	1012.2	958.7	271.8	0.3	2.5	0.27	964.0	779.0	677.0	580.0	454.0	358.0	10.3	567.4	21.9
Fresnillo de Trujano	839.6	874.0	188.0	-0.5	3.0	0.22	868.0	691.0	587.0	490.0	367.0	275.0	15.6	456.0	25.7
Guadalupe de Ramírez	947.5	909.0	252.9	1.7	8.7	0.27	927.0	741.0	614.0	482.0	287.0	105.0	6.4	558.2	13.5
Guadalupe Etla	717.1	716.2	166.1	-0.1	4.5	0.23	734.0	598.0	506.0	415.0	290.0	188.0	19.1	338.0	35.5
Guelatao de Juárez	830.9	828.8	169.8	0.4	3.5	0.20	816.0	685.0	592.0	491.0	343.0	222.0	10.2	513.7	17.2
Guevea de Humboldt	1236.8	1186.3	395.1	1.2	6.9	0.32	1180.0	975.0	844.0	719.0	557.0	435.0	9.8	695.8	22.8
Heroica Ciudad de Ejutla de Crespo	657.1	656.0	152.9	1.0	5.2	0.23	642.0	563.0	511.0	463.0	400.0	352.0	18.8	398.7	50.6

Tabla C.149. Características estadísticas de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Estadísticas de la lluvia promedio municipal				Límite de lluvia mínima anual de diferentes				periodos de retorno (Tr)		Tr(años)	Lluvia mínima registrada	Tr(años) para
	Media	Mediana	Dev Std	Coefficientes	2 años	5 años	10 años	20 años	50 años	100 años			
	X _a (mm)	(mm)	S(mm)	g k Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)			
Heroica Ciudad de Huajuapán de León	722.5	719.2	195.4	0.0 5.6 0.27	707.0	609.0	490.0	302.0	42.0	0.0	20.4	191.7	29.4
Heroica Ciudad de Tlaxiaco	849.1	743.9	292.8	1.6 7.4 0.34	749.0	718.0	690.0	577.0	261.0	28.0	19.4	480.4	26.4
Huautepec	2643.7	2658.9	413.5	0.1 3.4 0.16	2649.0	2308.0	2071.0	1829.0	1490.0	1217.0	11.0	1864.7	18.1
Huautla de Jiménez	2643.7	2658.9	413.5	0.1 3.4 0.16	2649.0	2308.0	2071.0	1829.0	1490.0	1217.0	11.0	1864.7	18.1
Ixpantepec Nieves	947.1	896.0	257.8	1.6 8.4 0.27	891.0	763.0	660.0	510.0	201.0	0.0	15.4	422.2	26.8
Ixtán de Juárez	2156.2	2072.1	399.1	-0.1 2.8 0.19	2096.0	1828.0	1690.0	1562.0	1399.0	1278.0	30.3	1329.8	74.3
Juchitán de Zaragoza	1012.2	958.7	271.8	0.3 2.5 0.27	964.0	779.0	677.0	580.0	454.0	358.0	10.3	567.4	21.9
Loma Bonita	2500.7	2509.9	366.6	0.8 3.7 0.15	2457.0	2252.0	2120.0	1988.0	1802.0	1646.0	10.8	1955.7	23.6
Magdalena Apasco	717.1	716.2	166.1	-0.1 4.5 0.23	734.0	598.0	506.0	415.0	290.0	188.0	19.1	338.0	35.5
Magdalena Jaltepec	875.0	845.0	219.9	0.1 3.2 0.25	851.0	714.0	633.0	556.0	458.0	385.0	52.5	361.5	125.1
Magdalena Mixtepec	646.8	621.3	190.9	0.1 5.1 0.30	624.0	569.0	419.0	267.0	72.0	0.0	22.0	147.8	34.9
Magdalena Ocotlán	664.4	660.5	138.8	0.6 4.2 0.21	647.0	558.0	492.0	416.0	295.0	192.0	13.3	398.7	23.0
Magdalena Peñasco	1302.6	1276.0	349.6	0.7 3.4 0.27	1241.0	1033.0	900.0	769.0	589.0	441.0	11.8	735.0	23.9
Magdalena Teitipac	612.3	575.5	186.2	1.2 4.9 0.30	579.0	487.0	429.0	372.0	297.0	237.0	28.7	257.5	79.3
Magdalena Tequisistlán	656.3	580.5	222.2	1.0 4.7 0.34	578.0	478.0	388.0	235.0	0.0	0.0	10.5	273.5	17.2
Magdalena Tlacotepec	875.3	796.0	395.6	0.8 4.3 0.45	785.0	598.0	469.0	324.0	75.0	0.0	13.4	257.5	26.3
Magdalena Yodocono de Porfirio Díaz	778.2	776.8	186.3	0.1 2.6 0.24	770.0	628.0	543.0	463.0	361.0	285.0	9.5	483.9	16.7
Magdalena Zahuatlán	778.2	776.8	186.3	0.1 2.6 0.24	770.0	628.0	543.0	463.0	361.0	285.0	9.5	483.9	16.7
Mariscal de Juárez	839.6	874.0	188.0	-0.5 3.0 0.22	868.0	691.0	587.0	490.0	367.0	275.0	15.6	456.0	25.7
Mártires de Tacubaya	1958.2	1967.2	405.6	0.2 3.0 0.21	1919.0	1623.0	1447.0	1280.0	1063.0	897.0	12.6	1234.0	24.3
Matías Romero	2518.9	2446.1	498.6	-0.5 6.7 0.20	2475.0	2227.0	2031.0	1782.0	1360.0	1014.0	61.4	994.4	104.0
Mazatlán Villa de Flores	2643.7	2658.9	413.5	0.1 3.4 0.16	2649.0	2308.0	2071.0	1829.0	1490.0	1217.0	11.0	1864.7	18.1
Mesones Hidalgo	2297.7	2388.1	443.5	-0.6 3.2 0.19	2354.0	1959.0	1710.0	1476.0	1175.0	950.0	21.2	1280.2	36.2
Miahuatlán de Porfirio Díaz	649.3	624.8	152.5	0.6 3.1 0.23	620.0	526.0	469.0	415.0	342.0	284.0	10.3	404.1	22.9
Mixistlán de la Reforma	778.7	763.2	177.2	0.3 2.8 0.23	755.0	634.0	564.0	497.0	408.0	338.0	14.9	453.6	31.2
Monjas	619.5	598.8	147.1	0.5 3.3 0.24	594.0	503.0	446.0	389.0	309.0	242.0	11.7	371.7	24.7
Natividad	1336.4	1352.8	262.8	-0.8 5.4 0.20	1335.0	1122.0	986.0	857.0	687.0	559.0	43.4	593.9	82.9
Nazareno Etla	718.2	715.6	121.7	-0.3 4.0 0.17	731.0	627.0	555.0	485.0	388.0	312.0	22.1	417.9	37.9
Nejapa de Madero	941.3	893.2	352.9	0.5 5.4 0.37	681.6	369.6	163.1	0.0	0.0	0.0	3.4	357.3	5.2
Nuevo Zoquiapam	736.4	758.4	138.7	-0.4 3.1 0.19	746.0	632.0	561.0	493.0	405.0	340.0	22.0	426.6	40.0
Oaxaca de Juárez	672.7	689.3	135.0	0.4 3.1 0.20	671.0	544.0	506.0	464.0	389.0	316.0	9.0	456.4	22.2
Ocotlán de Morelos	664.4	660.5	138.8	0.6 4.2 0.21	647.0	558.0	492.0	416.0	295.0	192.0	13.3	398.7	23.0
Pe, La	657.1	656.0	152.9	1.0 5.2 0.23	642.0	563.0	511.0	463.0	400.0	352.0	18.8	398.7	50.6
Pinotepa de Don Luis	1535.2	1402.2	683.0	1.3 5.1 0.44	1394.0	998.0	729.0	449.0	24.0	0.0	8.1	504.1	17.5
Pluma Hidalgo	932.7	868.1	301.2	0.4 4.8 0.32	910.0	712.0	584.0	469.0	291.0	159.0	32.0	233.4	67.9
Putla Villa de Guerrero	2297.7	2388.1	443.5	-0.6 3.2 0.19	2354.0	1959.0	1710.0	1476.0	1175.0	950.0	21.2	1280.2	36.2
Reforma de Pinada	1277.1	1312.6	405.5	0.6 4.6 0.32	1262.0	885.0	579.0	247.0	0.0	0.0	7.8	497.8	11.8
Reforma, La	1915.9	1892.9	488.4	0.7 4.0 0.25	1785.0	1415.0	1197.0	937.0	518.0	175.0	4.8	1224.6	9.2

Tabla C.149. Características estadísticas de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Estadísticos de la lluvia promedio municipal				Lámina de lluvia mínima anual de diferentes períodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coefficientes	2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X_p (mm)	(mm)	S(mm)	g k Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decl	H _p mín(mm)	H _p mín
Reyes Etá	718.2	715.6	121.7	-0.3 4.0 0.17	731.0	627.0	555.0	485.0	388.0	312.0	22.1	417.9	37.9
Rojas de Cuauhtémoc	656.7	642.0	147.0	0.7 5.2 0.22	632.0	550.0	461.0	335.0	158.0	26.0	10.7	375.9	16.1
Salinas Cruz	823.7	752.0	351.3	1.4 5.2 0.43	737.0	567.0	446.0	309.0	63.0	0.0	6.3	379.4	14.2
San Agustín Amatengo	756.0	729.8	227.4	1.7 12.7 0.30	734.0	653.0	531.0	243.0	0.0	0.0	17.0	161.9	24.1
San Agustín Atenango	947.1	896.0	257.8	1.6 8.4 0.27	891.0	763.0	660.0	510.0	201.0	0.0	15.4	422.2	26.8
San Agustín Chayuco	1527.8	1427.1	594.6	1.6 6.7 0.39	1385.0	1128.0	950.0	753.0	403.0	11.0	7.7	735.1	21.1
San Agustín De las Juntas	662.4	631.5	151.5	0.4 3.6 0.23	622.0	531.0	470.0	391.0	259.0	154.0	15.7	350.3	26.8
San Agustín Etá	717.1	716.2	166.1	-0.1 4.5 0.23	734.0	598.0	506.0	415.0	290.0	188.0	19.1	338.0	35.5
San Agustín Loxicha	1203.9	1159.3	231.3	1.0 4.6 0.19	1236.0	1052.0	932.0	817.0	669.0	558.0	7.1	899.0	12.2
San Agustín Tlacoatepec	1302.6	1276.0	349.6	0.7 3.4 0.27	1241.0	1033.0	900.0	769.0	609.0	441.0	11.8	735.0	23.9
San Agustín Yatareni	672.7	689.3	135.0	0.4 3.1 0.20	671.0	544.0	506.0	464.0	389.0	316.0	9.0	456.4	22.2
San Andrés Cabecera Nueva	1742.1	1695.3	460.4	-0.2 3.9 0.26	1702.0	1402.0	1225.0	1059.0	847.0	689.0	21.1	886.8	42.1
San Andrés Dinculib	663.5	664.0	128.9	0.2 3.9 0.19	663.0	566.0	504.0	444.0	367.0	308.0	14.2	424.1	25.4
San Andrés Huaxpaltepec	1535.2	1402.2	683.0	1.3 5.1 0.44	1394.0	998.0	729.0	449.0	24.0	0.0	8.1	504.1	17.5
San Andrés Huayapam	672.7	689.3	135.0	0.4 3.1 0.20	671.0	544.0	506.0	464.0	389.0	316.0	9.0	456.4	22.2
San Andrés Ixtlahuaca	718.2	715.6	121.7	-0.3 4.0 0.17	731.0	627.0	555.0	485.0	388.0	312.0	22.1	417.9	37.9
San Andrés Lagunas	576.9	579.1	153.6	-0.2 3.0 0.27	573.0	461.0	392.0	327.0	244.0	182.0	19.6	273.4	36.1
San Andrés Nuxtlá	875.0	845.0	219.9	0.1 3.2 0.25	851.0	714.0	633.0	556.0	458.0	385.0	52.5	361.5	125.1
San Andrés Paxtlán	1608.1	1559.3	524.2	1.0 5.7 0.33	1544.0	1231.0	1029.0	833.0	670.0	362.0	7.8	917.8	14.8
San Andrés Sinaxtlá	963.0	963.0	290.0	-0.3 3.3 0.30	963.0	733.0	598.0	472.0	310.0	189.0	20.0	361.5	37.4
San Andrés Solaga	847.6	852.0	196.1	0.4 4.9 0.23	846.0	703.0	590.0	453.0	209.0	0.0	13.8	439.9	21.2
San Andrés Teotlalpam	3610.3	3574.1	555.8	-0.1 2.7 0.15	3531.0	3112.0	2882.0	2669.0	2398.0	2196.0	16.4	2534.3	31.4
San Andrés Tepetlapa	947.5	909.0	252.9	1.7 8.7 0.27	927.0	741.0	614.0	482.0	287.0	105.0	6.4	568.2	13.5
San Andrés Yaa	1535.9	1453.5	451.9	2.2 11.1 0.29	1444.0	1222.0	1026.0	704.0	9.0	0.0	8.4	828.4	16.1
San Andrés Zabache	657.1	656.0	152.9	1.0 5.2 0.23	642.0	563.0	511.0	463.0	400.0	352.0	18.8	398.7	50.6
San Andrés Zautla	718.2	715.6	121.7	-0.3 4.0 0.17	731.0	627.0	555.0	485.0	388.0	312.0	22.1	417.9	37.9
San Antonino Castillo Velasco	685.1	619.1	399.9	3.7 21.3 0.58	617.0	474.0	373.0	262.0	53.0	0.0	4.4	242.1	22.4
San Antonino El Alto	2019.2	2077.4	357.7	-0.4 4.4 0.18	2037.0	1770.0	1596.0	1429.0	1214.0	1053.0	27.0	1195.5	54.2
San Antonino Monteverde	1088.7	1087.0	378.7	0.6 5.4 0.35	1069.0	847.0	703.0	565.0	385.0	249.0	27.3	342.5	62.0
San Antonio Acutla	533.6	553.8	176.2	-0.9 3.8 0.33	403.9	248.1	145.0	46.1	0.0	0.0	7.5	120.6	11.8
San Antonio De la Cal	662.4	631.5	151.5	0.4 3.6 0.23	622.0	531.0	470.0	391.0	269.0	154.0	15.7	350.3	26.8
San Antonio Huitepec	2019.2	2077.4	357.7	-0.4 4.4 0.18	2037.0	1770.0	1596.0	1429.0	1214.0	1053.0	27.0	1195.5	54.2
San Antonio Nanahuatipam	369.8	370.0	93.7	-0.1 3.0 0.25	366.0	289.0	249.0	213.0	165.0	128.0	20.8	172.2	43.3
San Antonio Sinicahua	1181.1	1191.3	201.1	0.0 3.3 0.17	1177.0	1020.0	921.0	827.0	744.0	613.0	19.1	750.5	35.3
San Antonio Tepetlapa	1958.2	1967.2	405.6	0.2 3.0 0.21	1919.0	1623.0	1447.0	1280.0	1063.0	897.0	12.6	1234.0	24.3
San Baltazar Chichicapam	529.7	489.3	226.5	2.6 13.6 0.43	476.0	383.0	272.0	8.0	0.0	0.0	9.3	145.5	14.6
San Baltazar Loxicha	981.3	942.0	290.5	0.2 3.1 0.30	915.0	739.0	644.0	555.0	442.0	356.0	9.5	558.5	19.5
San Baltazar Yatzaqui el Bajo	822.3	827.8	177.3	0.5 5.0 0.22	819.0	687.0	578.0	440.0	205.0	8.0	12.9	439.9	20.0

Tabla C.149. Características estadísticas de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes				periodos de retorno (Tr)		Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _a (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p mín(mm)	H _p mín
San Bartolomé Ayautla	3551.6	3609.1	454.5	0.6	4.6	0.13	3507.0	3162.0	2859.0	2503.0	2043.0	1699.0	8.8	2721.8	13.0
San Bartolo Coyotepec	627.5	611.2	201.9	0.0	3.6	0.32	605.0	496.0	421.0	337.0	203.0	86.0	41.3	147.8	69.9
San Bartolo Soyaltepec	644.2	664.0	233.6	-0.7	5.7	0.36	665.0	486.0	367.0	251.0	95.0	0.0	24.2	129.0	41.1
San Bartolo Yautepéc	1052.8	1140.8	353.5	0.2	2.6	0.34	985.0	740.0	643.0	545.0	399.0	267.0	14.1	467.5	33.3
San Bartolomé Loxicha	981.3	942.0	290.5	0.2	3.1	0.30	915.0	739.0	644.0	565.0	442.0	356.0	9.5	558.5	19.5
San Bartolomé Quialana	601.4	566.4	240.6	2.0	10.3	0.40	575.0	414.0	299.0	170.0	0.0	0.0	6.2	242.1	13.8
San Bartolomé Yucuañe	1072.8	1094.2	266.0	-0.1	2.7	0.25	1089.0	831.0	692.0	563.0	397.0	272.0	13.9	527.5	24.3
San Bartolomé Zoogocho	847.6	852.0	196.1	0.4	4.9	0.23	846.0	703.0	590.0	453.0	209.0	0.0	13.8	439.9	21.2
San Bernardo Mixtepec	1329.1	1319.7	244.4	0.6	4.2	0.18	1326.0	1155.0	1045.0	940.0	804.0	703.0	11.3	921.7	22.6
San Blas Atempa	837.6	779.8	341.3	1.3	5.4	0.41	780.0	617.0	510.0	398.0	229.0	68.0	9.3	379.4	22.4
San Carlos Yautepéc	813.0	839.2	254.3	-0.1	2.8	0.31	811.0	596.0	475.0	361.0	213.0	99.0	26.8	203.9	52.7
San Cristóbal Amatlán	753.6	741.0	225.1	0.4	3.2	0.30	725.0	544.0	435.0	323.0	165.0	35.0	9.1	355.5	16.4
San Cristóbal Amoltepec	1302.6	1276.0	349.6	0.7	3.4	0.27	1241.0	1033.0	900.0	769.0	589.0	441.0	11.8	735.0	23.9
San Cristóbal Lachirioag	847.6	852.0	196.1	0.4	4.9	0.23	846.0	703.0	590.0	453.0	209.0	0.0	13.8	439.9	21.2
San Cristóbal Suchitlauhaca	534.1	531.8	149.9	0.3	2.7	0.28	513.0	423.0	367.0	315.0	247.0	197.0	12.2	304.5	22.9
San Dionisio del Mar	975.3	977.4	352.6	0.7	3.1	0.36	937.0	691.0	535.0	386.0	190.0	40.0	9.2	411.4	17.7
San Dionisio Ocotepéc	426.7	431.0	126.1	0.1	3.0	0.30	416.0	330.0	285.0	226.0	125.0	45.0	25.2	145.5	41.8
San Dionisio Ocotlán	664.4	660.5	138.8	0.6	4.2	0.21	647.0	558.0	492.0	416.0	295.0	192.0	13.3	398.7	23.0
San Esteban Atlatlahuca	1439.6	1473.3	236.0	-1.5	7.0	0.16	1266.0	1057.3	919.2	786.8	615.3	486.8	24.4	636.0	44.7
San Felipe Jalapa de Díaz	3551.6	3609.1	454.5	0.6	4.6	0.13	3507.0	3162.0	2859.0	2503.0	2043.0	1699.0	8.8	2721.8	13.0
San Felipe Tejalapam	718.2	715.6	121.7	-0.3	4.0	0.17	731.0	627.0	555.0	485.0	388.0	312.0	22.1	417.9	37.9
San Felipe Usila	3610.3	3574.1	555.8	-0.1	2.7	0.15	3531.0	3112.0	2882.0	2669.0	2398.0	2196.0	16.4	2534.3	31.4
San Francisco Cahuacú	1122.7	1123.0	275.0	-0.3	4.4	0.24	1106.0	888.0	741.0	593.0	391.0	230.0	26.6	400.0	48.0
San Francisco Cajonos	617.7	605.2	172.1	-0.2	3.9	0.28	604.0	473.0	412.0	356.0	285.0	232.0	17.5	309.5	36.2
San Francisco Chapulapa	1379.8	1339.8	409.8	1.5	7.2	0.30	1320.0	1051.0	847.0	599.0	122.0	0.0	9.6	650.7	17.6
San Francisco Chindúa	963.0	963.0	290.0	-0.3	3.3	0.30	963.0	733.0	598.0	472.0	310.0	189.0	20.0	361.5	37.4
San Francisco Del Mar	1130.2	1031.1	325.6	0.9	4.3	0.29	1035.0	893.0	808.0	728.0	625.0	548.0	9.3	714.3	22.5
San Francisco Huehuetlán	3323.9	3204.9	637.5	0.5	4.3	0.19	3160.0	2887.0	2631.0	2199.0	1526.0	1019.0	19.1	1914.2	29.5
San Francisco Ixhualán	925.6	799.7	414.6	0.7	3.6	0.45	777.0	596.0	495.0	401.0	280.0	190.0	7.5	417.9	17.6
San Francisco Jaltepetongo	778.2	776.8	186.3	0.1	2.6	0.24	770.0	628.0	543.0	463.0	361.0	285.0	9.5	483.9	16.7
San Francisco Lachigolá	656.7	642.0	147.0	0.7	5.2	0.22	632.0	550.0	461.0	335.0	158.0	26.0	10.7	375.9	16.1
San Francisco Loqueche	753.6	741.0	225.1	0.4	3.2	0.30	725.0	544.0	435.0	323.0	165.0	35.0	9.1	355.5	16.4
San Francisco Nuxaño	778.2	776.8	186.3	0.1	2.6	0.24	770.0	628.0	543.0	463.0	361.0	285.0	9.5	483.9	16.7
San Francisco Ozolotepec	1243.7	1167.9	366.2	1.1	5.5	0.29	1162.0	951.0	803.0	633.0	341.0	72.0	9.3	645.8	19.0
San Francisco Sola	756.0	729.8	227.4	1.7	12.7	0.30	734.0	653.0	531.0	243.0	0.0	0.0	17.0	161.9	24.1
San Francisco Telixtlahuaca	586.9	590.4	153.7	0.2	2.9	0.26	589.0	462.0	400.0	342.0	269.0	213.0	21.9	272.9	47.3
San Francisco Teopan	659.6	686.7	197.5	0.1	3.0	0.30	655.0	500.0	401.0	305.0	177.0	79.0	13.3	285.6	23.0
San Francisco Tlapancingo	947.5	909.0	252.9	1.7	8.7	0.27	927.0	741.0	614.0	482.0	287.0	105.0	6.4	558.2	13.5

Tabla C.149. Características estadísticas de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Estadísticos de la lluvia promedio municipal						Límite de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _o (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p mínima	H _p mín
San Gabriel Mixtepec	981.3	942.0	290.5	0.2	3.1	0.30	915.0	739.0	644.0	555.0	442.0	356.0	9.5	558.5	19.5
San Idefonso Amatlán	1608.1	1559.3	524.2	1.0	5.7	0.33	1544.0	1231.0	1029.0	833.0	570.0	362.0	7.8	917.8	14.8
San Idefonso Soala	1338.1	1328.1	216.4	0.5	4.6	0.16	1329.0	1190.0	1099.0	1013.0	902.0	818.0	18.5	929.8	39.6
San Idefonso Villa Alta	1535.9	1453.5	451.9	2.2	11.1	0.29	1444.0	1222.0	1026.0	704.0	9.0	0.0	8.4	828.4	16.1
San Jacinto Amilpas	744.3	750.0	158.5	0.2	4.6	0.21	749.0	621.0	529.0	431.0	279.0	140.0	21.4	338.0	35.8
San Jacinto Tlacoatepec	2019.2	2077.4	357.7	-0.4	4.4	0.18	2037.0	1770.0	1596.0	1429.0	1214.0	1053.0	27.0	1195.5	54.2
San Jerónimo Coatlán	824.3	834.7	216.5	1.7	10.5	0.26	817.0	688.0	601.0	514.0	388.0	277.0	8.9	496.9	22.7
San Jerónimo Silcayoapilla	734.7	734.1	239.7	-1.2	6.9	0.33	558.3	346.4	206.1	71.5	0.0	0.0	13.3	47.7	22.6
San Jerónimo Sosola	686.4	646.2	182.2	1.1	5.6	0.27	666.0	534.0	442.0	346.0	204.0	83.0	6.4	414.4	12.2
San Jerónimo Taviche	529.7	489.3	226.5	2.6	13.6	0.43	476.0	383.0	272.0	8.0	0.0	0.0	9.3	145.5	14.6
San Jerónimo Tecoaatl	3323.9	3204.9	637.5	0.5	4.3	0.19	3160.0	2887.0	2631.0	2199.0	1526.0	1019.0	19.1	1914.2	29.5
San Jerónimo Tlacoachahuayan	466.0	456.5	135.0	0.1	4.3	0.29	449.0	366.0	291.0	196.0	63.0	0.0	17.5	145.5	28.3
San Jorge Nuchita	822.7	854.3	162.1	-0.5	3.0	0.20	841.0	689.0	601.0	520.0	417.0	340.0	20.8	456.0	35.3
San José Ayuquila	735.3	726.3	214.2	-0.3	4.4	0.29	737.0	608.0	495.0	353.0	145.0	0.0	25.8	191.7	40.8
San José Chiltepec	2942.0	2953.6	506.1	0.3	2.9	0.17	2875.0	2471.0	2315.0	2126.0	1742.0	1480.0	13.9	2025.9	26.9
San José del Peñasco	1608.1	1559.3	524.2	1.0	5.7	0.33	1544.0	1231.0	1029.0	833.0	570.0	362.0	7.8	917.8	14.8
San José del Progreso	657.1	656.0	152.9	1.0	5.2	0.23	642.0	563.0	511.0	463.0	400.0	352.0	18.8	398.7	50.6
San José Estancia Grande	1958.2	1967.2	405.6	0.2	3.0	0.21	1919.0	1623.0	1447.0	1280.0	1063.0	897.0	12.6	1234.0	24.3
San José Independencia	4504.9	4471.6	858.8	0.4	4.0	0.19	4393.0	3786.0	3332.0	2817.0	2025.0	1371.0	15.2	2614.1	25.6
San José Lachiguliri	753.6	741.0	225.1	0.4	3.2	0.30	725.0	544.0	435.0	323.0	165.0	35.0	9.1	355.5	16.4
San José Tenango	4002.6	4046.9	655.4	0.0	3.8	0.16	4048.0	3678.0	3205.0	2778.0	2156.0	1667.0	12.0	2830.5	18.4
San Juan Achiutla	652.0	647.4	173.9	0.8	5.1	0.27	631.0	519.0	423.0	295.0	81.0	0.0	10.3	342.5	15.8
San Juan Atepec	874.8	858.4	206.5	0.2	3.3	0.24	850.0	743.0	673.0	599.0	488.0	389.0	34.7	453.0	64.4
San Juan Bautista Atalahuca	459.2	448.9	130.4	0.5	3.1	0.28	438.0	333.0	295.0	249.0	164.0	86.0	8.7	252.6	19.1
San Juan Bautista Coixtlahuaca	494.3	521.8	161.0	0.2	4.0	0.33	500.0	353.0	297.0	193.0	44.0	0.0	18.7	121.6	30.9
San Juan Bautista Cuicatlán	498.3	502.9	155.8	1.4	7.4	0.31	487.0	401.0	339.0	271.0	154.0	3.0	16.5	206.1	34.5
San Juan Bautista Guelache	717.1	716.2	166.1	-0.1	4.5	0.23	734.0	598.0	506.0	415.0	294.0	188.0	19.1	338.0	35.5
San Juan Bautista Jayacatlán	669.8	641.3	208.6	0.9	4.7	0.31	635.0	524.0	453.0	384.0	291.0	216.0	11.6	350.0	28.1
San Juan Bautista Jo de Soto	1958.2	1967.2	405.6	0.2	3.0	0.21	1919.0	1623.0	1447.0	1280.0	1063.0	897.0	12.6	1234.0	24.3
San Juan Bautista Suchitepec	587.7	568.2	154.7	0.4	3.5	0.26	592.0	465.0	382.0	303.0	202.0	126.0	12.6	289.0	22.7
San Juan Bautista Tlacoatzintepec	3610.3	3574.1	555.8	-0.1	2.7	0.15	3531.0	3112.0	2882.0	2669.0	2398.0	2196.0	16.4	2534.3	31.4
San Juan Bautista Tlaxichilco	947.5	909.0	252.9	1.7	8.7	0.27	927.0	741.0	614.0	482.0	281.0	105.0	6.4	558.2	13.5
San Juan Bautista Tuxtepec	2337.3	2373.5	578.5	-0.6	4.4	0.25	2407.0	1927.0	1693.0	1252.0	764.0	356.0	23.8	879.9	40.7
San Juan Bautista Valle Nacional	3591.3	3537.3	555.1	0.3	3.5	0.15	3520.0	3121.0	2863.0	2596.0	2209.0	1889.0	9.9	2642.5	17.8
San Juan Cacahuatltepec	1958.2	1967.2	405.6	0.2	3.0	0.21	1919.0	1623.0	1447.0	1280.0	1063.0	897.0	12.6	1234.0	24.3
San Juan Cieneguilla	947.5	909.0	252.9	1.7	8.7	0.27	927.0	741.0	614.0	482.0	281.0	105.0	6.4	558.2	13.5
San Juan Coatzacoapam	3308.6	3423.6	636.0	-0.1	4.6	0.19	3337.0	2820.0	2437.0	2016.0	1379.0	816.0	16.2	1850.1	25.7
San Juan Colorado	1527.8	1427.1	594.6	1.6	6.7	0.39	1385.0	1128.0	950.0	753.0	403.0	11.0	7.7	735.1	21.1

Tabla C.149. Características estadísticas de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes				periodos de retorno (Tr)		Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _p (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _{p min} (mm)	H _{p min}
San Juan Cornaltepec	2604.7	2688.8	670.6	-0.8	3.3	0.26	2717.0	2128.0	1751.0	1392.0	928.0	581.0	18.2	1203.5	28.9
San Juan Cotzocón	1874.0	1962.9	483.7	-1.0	5.5	0.26	1928.0	1573.0	1157.0	679.0	62.0	0.0	19.0	477.3	26.9
San Juan Chicomezúchil	830.9	828.8	169.8	0.4	3.5	0.20	816.0	685.0	592.0	491.0	343.0	222.0	10.2	513.7	17.2
San Juan Chilteca	685.1	619.1	399.9	3.7	21.3	0.58	617.0	474.0	373.0	262.0	53.0	0.0	4.4	242.1	22.4
San Juan De los Cues	1476.2	1638.6	397.8	-0.9	4.2	0.27	1606.0	1025.0	872.0	756.0	616.0	514.0	12.6	711.5	26.6
San Juan Del Estado	735.2	712.8	236.4	0.5	3.1	0.32	690.0	519.0	425.0	332.0	202.0	95.0	7.8	373.3	14.7
San Juan Del Río	2070.8	2044.1	620.8	0.3	3.2	0.30	2011.0	1564.0	1279.0	993.0	593.0	267.0	13.0	933.3	23.1
San Juan Dixú	1072.8	1094.2	266.0	-0.1	2.7	0.25	1089.0	831.0	692.0	563.0	397.0	272.0	13.9	527.5	24.3
San Juan Evangelista Anasco	874.8	858.4	206.5	0.2	3.3	0.24	850.0	743.0	673.0	599.0	488.0	389.0	34.7	453.0	64.4
San Juan Guelavia	558.1	530.0	169.2	1.1	6.0	0.30	526.0	436.0	367.0	275.0	105.0	0.0	12.6	257.5	22.3
San Juan Guichicovi	2485.7	2510.5	353.1	-0.1	2.7	0.14	2532.0	2160.0	2043.0	1930.0	1764.0	1619.0	20.1	1801.5	41.3
San Juan Ihualtepec	947.5	909.0	252.9	1.7	8.7	0.27	927.0	741.0	614.0	482.0	287.0	105.0	6.4	558.2	13.5
San Juan Juquila Mixes	2510.8	2577.8	924.0	-0.2	4.4	0.37	2591.0	1824.0	1316.0	825.0	182.0	0.0	19.3	402.8	36.5
San Juan Juquila Vijanos	1603.3	1646.4	281.0	-0.3	3.7	0.18	1617.0	1393.0	1244.0	1097.0	899.0	744.0	21.9	961.3	37.6
San Juan Lachao	1180.8	1187.7	204.5	0.0	5.0	0.17	1191.0	1016.0	897.0	776.0	606.0	464.0	18.4	687.0	32.6
San Juan Lachigalla	633.6	597.8	216.0	2.7	15.0	0.34	625.0	481.0	386.0	295.0	175.0	83.0	5.9	324.8	15.9
San Juan Lajarcía	689.7	670.9	231.3	0.2	2.6	0.34	668.0	488.0	384.0	286.0	159.0	62.0	17.7	203.9	36.1
San Juan Lalana	2690.6	2745.0	601.3	-0.4	3.0	0.22	2248.1	1716.5	1364.6	1027.0	590.0	262.5	6.1	1387.0	9.6
San Juan Mazatlán	2430.4	2292.1	421.1	0.5	2.4	0.17	2270.0	2093.0	1992.0	1897.0	1777.0	1687.0	12.6	1821.4	35.5
San Juan Mixtepec	1205.1	1132.3	306.0	0.9	3.8	0.25	1118.0	960.0	859.0	746.0	555.0	375.0	13.2	698.0	26.2
San Juan Mixtepec	592.1	584.7	143.4	0.7	4.7	0.24	572.0	486.0	429.0	368.0	276.0	194.0	15.2	327.4	30.6
San Juan Numi	567.7	605.8	130.6	0.2	3.7	0.23	557.0	465.0	393.0	298.0	176.0	85.0	10.7	327.4	16.1
San Juan Ozolotepec	1205.1	1132.3	306.0	0.9	3.8	0.25	1118.0	960.0	859.0	746.0	555.0	375.0	13.2	696.0	26.2
San Juan Petlapa	718.5	723.9	161.9	-0.4	3.8	0.23	736.0	611.0	531.0	454.0	355.0	281.0	14.2	434.1	24.0
San Juan Quiahije	1385.3	1407.1	233.7	-0.7	5.9	0.17	1416.0	1257.0	1122.0	947.0	658.0	424.0	31.6	677.2	47.2
San Juan Quiotepec	1293.3	1255.1	306.2	0.2	3.5	0.24	1253.0	1046.0	925.0	811.0	663.0	552.0	14.1	753.7	28.4
San Juan Sayulitepec	963.0	963.0	290.0	-0.3	3.3	0.30	963.0	733.0	598.0	472.0	310.0	189.0	20.0	361.5	37.4
San Juan Tabaá	847.6	852.0	196.1	0.4	4.9	0.23	846.0	703.0	590.0	453.0	209.0	0.0	13.8	439.9	21.2
San Juan Tamazola	1072.8	1094.2	266.0	-0.1	2.7	0.25	1089.0	831.0	692.0	563.0	397.0	272.0	13.9	527.5	24.3
San Juan Teita	1147.7	1140.1	241.4	-0.5	4.6	0.21	1148.0	977.0	867.0	758.0	609.0	490.0	70.3	437.0	135.5
San Juan Teitipac	612.3	575.5	186.2	1.2	4.9	0.30	579.0	487.0	429.0	372.0	297.0	237.0	28.7	257.5	79.3
San Juan Tepexiula	749.8	761.3	218.5	0.0	4.5	0.29	755.0	613.0	418.0	213.0	0.0	0.0	14.3	207.4	20.4
San Juan Teposcolula	623.1	627.8	163.7	-0.3	3.2	0.26	621.0	499.0	426.0	358.0	271.0	206.0	24.9	273.4	48.7
San Juan Yaeé	2101.9	2041.0	345.7	0.3	3.0	0.16	2059.0	1824.0	1689.0	1561.0	1394.0	1267.0	16.5	1467.6	33.4
San Juan Yatzaona	2101.9	2041.0	345.7	0.3	3.0	0.16	2059.0	1824.0	1689.0	1561.0	1394.0	1267.0	16.5	1467.6	33.4
San Juan Yucuita	963.0	963.0	290.0	-0.3	3.3	0.30	963.0	733.0	598.0	472.0	310.0	189.0	20.0	361.5	37.4
San Lorenzo	1535.2	1402.2	683.0	1.3	5.1	0.44	1394.0	998.0	729.0	449.0	24.0	0.0	8.1	504.1	17.5
San Lorenzo Albarradas	739.6	744.8	237.9	0.2	3.2	0.32	732.0	556.0	443.0	333.0	186.0	71.0	22.5	203.9	44.9

Tabla C.149. Características estadísticas de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes períodos de retorno (Tr)						Tr(años) primer decil	Lluvia mínima registrada Hp mín(mm)	Tr(años) para Hp mín
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años			
	X _m (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)			
San Lorenzo Cacatepec	744.3	750.0	158.5	0.2	4.6	0.21	749.0	621.0	529.0	431.0	279.0	140.0	21.4	338.0	35.8
San Lorenzo Cuauñecuiltila	3323.9	3204.9	637.5	0.5	4.3	0.19	3160.0	2887.0	2631.0	2199.0	1526.0	1019.0	19.1	1914.2	29.5
San Lorenzo Texmelucan	2019.2	2077.4	357.7	-0.4	4.4	0.18	2037.0	1770.0	1596.0	1429.0	1214.0	1053.0	27.0	1195.5	54.2
San Lorenzo Victoria	822.7	854.3	162.1	-0.5	3.0	0.20	841.0	689.0	601.0	520.0	417.0	340.0	20.8	456.0	35.3
San Lucas Camollán	1667.1	1666.4	539.4	-0.3	4.2	0.32	1675.0	1453.0	1064.0	642.0	102.0	0.0	21.6	344.5	33.0
San Lucas Ojitán	3703.5	3729.6	639.4	0.3	5.8	0.17	3726.0	3292.0	3008.0	2736.0	2345.0	2121.0	49.6	2025.9	128.7
San Lucas Quiavini	601.4	566.4	240.6	2.0	10.3	0.40	575.0	414.0	299.0	170.0	0.0	0.0	6.2	242.1	13.8
San Lucas Zoquiápan	2643.7	2658.9	413.5	0.1	3.4	0.16	2649.0	2308.0	2071.0	1829.0	1490.0	1217.0	11.0	1864.7	18.1
San Luis Amatlán	599.3	576.5	161.4	0.6	3.1	0.27	573.0	467.0	399.0	330.0	235.0	156.0	12.9	310.8	24.3
San Marcial Ozolotepec	1207.0	1176.8	258.3	1.1	6.2	0.21	1201.0	1049.0	937.0	808.0	586.0	369.0	15.9	722.7	29.3
San Marcos Arteaga	1044.3	1015.0	243.8	0.4	5.9	0.23	1003.0	889.0	788.0	637.0	389.0	198.0	27.6	424.3	44.0
San Martín de los Cansecos	657.1	656.0	152.9	1.0	5.2	0.23	642.0	563.0	511.0	463.0	400.0	352.0	18.8	398.7	50.6
San Martín Huamelulpan	652.0	647.4	173.9	0.8	5.1	0.27	631.0	519.0	423.0	295.0	81.0	0.0	10.3	342.5	15.8
San Martín Itunyoso	592.1	584.7	143.4	0.7	4.7	0.24	572.0	486.0	429.0	368.0	275.0	194.0	15.2	327.4	30.6
San Martín Lachilá	657.1	656.0	152.9	1.0	5.2	0.23	642.0	563.0	511.0	463.0	400.0	352.0	18.8	398.7	50.6
San Martín Peras	947.1	896.0	257.8	1.6	8.4	0.27	891.0	763.0	660.0	510.0	201.0	0.0	15.4	422.2	26.8
San Martín Tilcajete	685.1	619.1	399.9	3.7	21.3	0.58	617.0	474.0	373.0	262.0	53.0	0.0	4.4	242.1	22.4
San Martín Toxpalán	1476.2	1638.6	397.8	-0.9	4.2	0.27	1606.0	1025.0	872.0	756.0	616.0	514.0	12.6	711.5	26.6
San Martín Zacatepec	685.7	705.5	202.5	-1.7	8.8	0.30	717.0	554.0	445.0	342.0	207.0	106.0	78.7	47.7	149.9
San Mateo Cajonos	729.2	690.2	198.3	0.2	5.2	0.27	703.0	577.0	497.0	421.0	326.0	242.0	17.7	363.8	33.5
San Mateo del Mar	925.6	799.7	414.6	0.7	3.6	0.45	777.0	596.0	495.0	401.0	289.0	190.0	7.5	417.9	17.6
San Mateo Etlaongo	778.2	776.8	186.3	0.1	2.6	0.24	770.0	628.0	543.0	463.0	361.0	285.0	9.5	483.9	16.7
San Mateo Nejapam	947.5	909.0	252.9	1.7	8.7	0.27	927.0	741.0	614.0	482.0	287.0	105.0	6.4	558.2	13.5
San Mateo Peñasco	1147.7	1140.1	241.4	-0.5	4.6	0.21	1148.0	977.0	867.0	758.0	609.0	480.0	70.3	437.0	135.5
San Mateo Piñas	1338.7	1271.7	519.3	0.0	5.2	0.39	1345.0	966.0	717.0	470.0	132.0	0.0	24.2	170.5	45.2
San Mateo Río Hondo	1608.1	1559.3	524.2	1.0	5.7	0.33	1544.0	1231.0	1029.0	833.0	570.0	362.0	7.8	917.8	14.8
San Mateo Sindiñui	1125.1	1111.2	224.9	0.1	2.9	0.20	1114.0	977.0	893.0	814.0	712.0	636.0	24.8	709.6	51.2
San Mateo Tiapiltepec	591.1	548.8	214.9	0.7	4.1	0.36	563.0	439.0	359.0	278.0	162.0	63.0	17.8	198.4	38.0
San Mateo Yolochochitlán	3323.9	3204.9	637.5	0.5	4.3	0.19	3160.0	2887.0	2631.0	2199.0	1526.0	1019.0	19.1	1914.2	29.5
San Melchor Betaza	1535.9	1453.5	451.9	2.2	11.1	0.29	1444.0	1222.0	1026.0	704.0	9.0	0.0	8.4	828.4	16.1
San Miguel Achíutla	652.0	647.4	173.9	0.8	5.1	0.27	631.0	519.0	423.0	295.0	81.0	0.0	10.3	342.5	15.8
San Miguel Ahuehuatlán	947.5	909.0	252.9	1.7	8.7	0.27	927.0	741.0	614.0	482.0	287.0	105.0	6.4	558.2	13.5
San Miguel Alocapán	746.2	727.3	202.4	0.7	4.1	0.27	732.0	591.0	497.0	404.0	277.0	174.0	11.3	393.3	21.7
San Miguel Amatlán	839.6	874.0	188.0	-0.5	3.0	0.22	888.0	691.0	587.0	490.0	367.0	275.0	15.6	456.0	25.7
San Miguel Amatlán	995.8	1000.0	182.3	-0.2	2.6	0.18	991.0	859.0	781.0	707.0	613.0	543.0	19.0	647.3	35.8
San Miguel Coatlán	1608.1	1559.3	524.2	1.0	5.7	0.33	1544.0	1231.0	1029.0	833.0	570.0	362.0	7.8	917.8	14.8
San Miguel Chicahua	480.5	473.8	159.8	0.2	3.9	0.33	465.0	362.0	292.0	215.0	99.0	0.0	21.6	136.5	37.8
San Miguel Chimalapa	988.0	1055.1	302.5	0.1	4.2	0.31	1007.0	761.0	590.0	414.0	160.0	0.0	10.1	458.7	16.8

Tabla C.149. Características estadísticas de la lluvia anual de cada municipio del estado de Oaxaca. 167

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes				periodos de retorno (Tr)		Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Dev Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _p (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p mín(mm)	H _p mín
San Miguel Del Puerto	1348.1	1376.7	507.2	-0.4	4.6	0.38	1345.0	989.0	765.0	552.0	277.0	72.0	36.6	170.5	71.7
San Miguel Del Rio	768.6	773.0	146.1	0.3	3.7	0.19	764.0	653.0	571.0	480.0	344.0	233.0	11.5	489.1	18.7
San Miguel Ejutla	657.1	656.0	152.9	1.0	5.2	0.23	642.0	563.0	511.0	463.0	400.0	352.0	18.8	398.7	50.6
San Miguel El Grande	949.4	962.9	195.8	0.3	7.2	0.21	956.0	824.0	711.0	546.0	213.0	0.0	19.6	437.0	27.9
San Miguel Huautla	420.0	430.1	132.0	0.3	4.3	0.31	421.0	318.0	241.0	156.0	22.0	0.0	13.7	144.0	21.8
San Miguel Mixtepec	2019.2	2077.4	357.7	-0.4	4.4	0.18	2037.0	1770.0	1596.0	1429.0	1214.0	1053.0	27.0	1195.5	54.2
San Miguel Panixtlahuaca	1315.6	1327.8	231.0	0.1	3.9	0.18	1145.6	941.4	806.2	676.5	508.7	382.9	5.8	800.1	10.3
San Miguel Peras	646.8	621.3	190.9	0.1	5.1	0.30	624.0	559.0	419.0	267.0	72.0	0.0	22.0	147.8	34.9
San Miguel Piedras	1072.8	1094.2	266.0	-0.1	2.7	0.25	1089.0	831.0	692.0	563.0	397.0	272.0	13.9	527.5	24.3
San Miguel Quetzaltepec	2072.3	2179.6	694.5	-0.5	3.5	0.34	2137.0	1550.0	1174.0	814.0	349.0	0.0	28.0	344.5	50.4
San Miguel Santa Flor	1379.8	1339.8	409.8	1.5	7.2	0.30	1320.0	1051.0	847.0	599.0	122.0	0.0	9.6	650.7	17.6
San Miguel Soyaltepec	2778.0	2705.9	746.8	0.2	6.9	0.27	2714.0	2287.0	1960.0	1555.0	842.0	218.0	43.1	509.8	72.6
San Miguel Suchitlan	1207.0	1176.8	258.3	1.1	6.2	0.21	1201.0	1049.0	937.0	808.0	583.0	369.0	15.9	722.7	29.3
San Miguel Tacomatlan	778.2	776.8	186.3	0.1	2.6	0.24	770.0	628.0	543.0	463.0	361.0	285.0	9.5	483.9	16.7
San Miguel Tenango	946.8	890.5	259.0	0.6	3.7	0.27	911.0	745.0	642.0	541.0	408.0	304.0	13.3	493.0	28.0
San Miguel Tequitepec	502.1	481.7	191.6	-0.1	2.7	0.38	488.0	330.0	234.0	143.0	28.0	0.0	10.3	169.0	16.4
San Miguel Tlaxiapa	529.7	489.3	226.5	2.6	13.6	0.43	476.0	383.0	272.0	8.0	0.0	0.0	9.3	145.5	14.6
San Miguel Tlacamama	1535.2	1402.2	683.0	1.3	5.1	0.44	1394.0	998.0	729.0	449.0	24.0	0.0	8.1	504.1	17.5
San Miguel Tlacotepec	592.1	584.7	143.4	0.7	4.7	0.24	572.0	486.0	429.0	368.0	276.0	194.0	15.2	327.4	30.6
San Miguel Tulancingo	562.3	496.5	219.4	1.0	4.2	0.39	487.0	382.0	314.0	231.0	77.0	0.0	8.0	248.5	17.6
San Miguel Yotao	1336.4	1352.8	262.8	-0.8	5.4	0.20	1335.0	1122.0	986.0	857.0	687.0	559.0	43.4	593.9	82.9
San Nicolás	649.3	624.8	152.5	0.6	3.1	0.23	620.0	526.0	469.0	415.0	342.0	284.0	10.3	404.1	22.9
San Nicolás Hidalgo	822.7	854.3	162.1	-0.5	3.0	0.20	841.0	689.0	601.0	520.0	417.0	340.0	20.8	456.0	35.3
San Pablo Coatlán	824.3	834.7	216.5	1.7	10.5	0.26	817.0	688.0	601.0	514.0	388.0	277.0	8.9	496.9	22.7
San Pablo Cuatro Venados	646.8	621.3	190.9	0.1	5.1	0.30	624.0	559.0	419.0	267.0	72.0	0.0	22.0	147.8	34.9
San Pablo Etla	717.1	716.2	166.1	-0.1	4.5	0.23	734.0	598.0	506.0	415.0	290.0	188.0	19.1	338.0	35.5
San Pablo Huitzo	735.2	712.8	236.4	0.5	3.1	0.32	690.0	519.0	425.0	332.0	202.0	96.0	7.8	373.3	14.7
San Pablo Huixtepec	627.5	611.2	201.9	0.0	3.6	0.32	605.0	496.0	421.0	337.0	203.0	86.0	41.3	147.8	69.9
San Pablo Macuiltianguis	958.8	910.1	226.6	0.6	4.2	0.24	923.0	787.0	697.0	604.0	463.0	340.0	13.8	552.5	28.5
San Pablo Tlaxiapa	923.1	898.8	215.7	0.6	5.5	0.23	920.0	773.0	669.0	568.0	383.0	216.0	20.7	437.0	38.6
San Pablo Villa de Mitla	1334.0	1334.0	311.5	-0.3	3.5	0.23	1333.0	1101.0	964.0	834.0	667.0	541.0	23.8	681.8	48.1
San Pablo Yaganiza	729.2	690.2	198.3	0.2	5.2	0.27	703.0	577.0	497.0	421.0	320.0	242.0	17.7	363.8	33.5
San Pedro Amuzgos	1958.2	1967.2	405.6	0.2	3.0	0.21	1919.0	1623.0	1447.0	1280.0	1063.0	897.0	12.6	1234.0	24.3
San Pedro Apóstol	664.4	660.5	138.8	0.6	4.2	0.21	647.0	558.0	492.0	416.0	295.0	192.0	13.3	398.7	23.0
San Pedro Atoyac	1555.2	1554.6	283.0	0.1	3.7	0.18	1571.0	1401.0	1173.0	936.0	634.0	408.0	11.4	1009.7	16.1
San Pedro Cajonos	617.7	605.2	172.1	-0.2	3.9	0.28	604.0	473.0	412.0	356.0	285.0	232.0	17.5	309.5	36.2
San Pedro Comitancillo	875.3	796.0	385.6	0.8	4.3	0.45	785.0	598.0	469.0	324.0	75.0	0.0	13.4	257.5	26.9
San Pedro Coxcatlan Cántaros	536.5	510.3	210.9	0.8	4.7	0.39	534.0	421.0	348.0	278.0	186.0	115.0	19.0	190.5	47.7

Tabla C.149. Características estadísticas de la lluvia anual de cada municipio del estado de Oaxaca. dsT

Municipio	Estadísticos de la lluvia promedio municipal				Línea de lluvia mínima anual de diferentes períodos de retorno (Tr)								Tr(años) primer	Lluvia mínima registrada	Tr(años) para
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años			
	X _p (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)			
San Pedro El Alto	1203.9	1159.3	231.3	1.0	4.6	0.19	1236.0	1052.0	932.0	817.0	669.0	558.0	7.1	899.0	12.2
San Pedro Huamelula	946.8	890.5	259.0	0.6	3.7	0.27	911.0	745.0	642.0	541.0	408.0	304.0	13.3	493.0	28.0
San Pedro Huixtotepec	823.7	752.0	351.3	1.4	5.2	0.43	737.0	567.0	446.0	309.0	63.0	0.0	6.3	379.4	14.2
San Pedro Ixcatlán	3140.1	3269.1	635.8	-0.7	4.0	0.20	2672.3	2110.2	1738.1	1381.1	919.1	572.8	7.9	1618.1	12.6
San Pedro Ixtlahuaca	744.3	750.0	158.5	0.2	4.6	0.21	749.0	621.0	529.0	431.0	279.0	140.0	21.4	338.0	35.8
San Pedro Jaltepetongo	513.1	509.0	175.9	1.3	6.8	0.34	484.0	382.0	307.0	215.0	49.0	0.0	10.6	205.5	21.3
San Pedro Jicaván	1555.2	1554.6	283.0	0.1	3.7	0.18	1571.0	1401.0	1173.0	936.0	634.0	408.0	11.4	1009.7	16.1
San Pedro Jocotipac	499.0	504.1	172.1	1.4	6.7	0.34	486.0	393.0	333.0	275.0	200.0	143.0	19.8	187.6	58.1
San Pedro Juchatengo	1180.8	1187.7	204.5	0.0	5.0	0.17	1191.0	1016.0	897.0	776.0	606.0	464.0	18.4	687.0	32.6
San Pedro Mártir	664.4	660.5	138.8	0.6	4.2	0.21	647.0	558.0	492.0	416.0	295.0	192.0	13.3	398.7	23.0
San Pedro Mártir Quiachapa	689.7	670.9	231.3	0.2	2.6	0.34	668.0	488.0	384.0	286.0	159.0	62.0	17.7	203.9	36.1
San Pedro Mártir Yucucaco	1088.7	1087.0	378.7	0.6	5.4	0.35	1069.0	847.0	703.0	585.0	385.0	249.0	27.3	342.5	62.0
San Pedro Mixtepec (Juquila)	981.3	942.0	290.5	0.2	3.1	0.30	915.0	739.0	644.0	555.0	442.0	356.0	9.5	558.5	19.5
San Pedro Mixtepec (Mihuatlán)	1205.1	1132.3	306.0	0.9	3.8	0.25	1118.0	960.0	859.0	746.0	555.0	375.0	13.2	696.0	26.2
San Pedro Molinos	923.1	898.8	216.7	0.6	5.5	0.23	920.0	773.0	669.0	568.0	383.0	216.0	20.7	437.0	38.6
San Pedro Nopala	555.5	581.7	171.6	-0.7	3.6	0.31	582.0	416.0	325.0	241.0	134.0	55.0	22.6	163.5	38.8
San Pedro Ocopetlatillo	3323.9	3204.9	637.5	0.5	4.3	0.19	3160.0	2887.0	2631.0	2199.0	1526.0	1019.0	19.1	1914.2	29.6
San Pedro Ocotepic	2072.3	2179.6	694.5	-0.5	3.5	0.34	2137.0	1550.0	1174.0	814.0	349.0	0.0	28.0	344.5	50.4
San Pedro Pochutla	932.7	868.1	301.2	0.4	4.8	0.32	910.0	712.0	584.0	459.0	291.0	189.0	32.0	233.4	67.9
San Pedro Quiastoni	739.6	744.8	237.9	0.2	3.2	0.32	732.0	556.0	443.0	333.0	186.0	71.0	22.5	203.9	44.9
San Pedro Sochiapam	1005.9	971.2	380.1	0.8	5.2	0.38	967.0	747.0	600.0	451.0	235.0	46.0	26.1	207.4	56.7
San Pedro Tapanatepec	1638.1	1510.3	477.9	0.8	3.0	0.29	1500.0	1275.0	1143.0	1016.0	841.0	699.0	9.1	989.3	23.0
San Pedro Taviche	633.6	597.8	216.0	2.7	15.0	0.34	625.0	481.0	386.0	295.0	175.0	83.0	5.9	324.8	15.9
San Pedro Teozacoalco	923.1	898.8	215.7	0.6	5.5	0.23	920.0	773.0	669.0	558.0	383.0	216.0	20.7	437.0	38.6
San Pedro Teutila	3561.6	3609.1	454.5	0.6	4.6	0.13	3507.0	3162.0	2859.0	2503.0	2043.0	1699.0	8.8	2721.8	13.0
San Pedro Tlaxiá	778.2	776.8	186.3	0.1	2.6	0.24	770.0	628.0	543.0	463.0	381.0	285.0	9.5	483.9	18.7
San Pedro Topiletepec	778.2	776.8	186.3	0.1	2.6	0.24	770.0	628.0	543.0	463.0	381.0	285.0	9.5	483.9	16.7
San Pedro Totolapa	426.7	431.0	126.1	0.1	3.0	0.30	416.0	330.0	285.0	226.0	125.0	45.0	25.2	145.5	41.8
San Pedro y San Pablo Ayutla	1334.0	1334.0	311.5	-0.3	3.5	0.23	1333.0	1101.0	964.0	834.0	667.0	541.0	23.8	681.8	46.1
San Pedro y San Pablo Teposcolula	623.1	627.8	163.7	-0.3	3.2	0.26	621.0	499.0	426.0	358.0	271.0	206.0	24.9	273.4	48.7
San Pedro y San Pablo Tequixtepec	484.2	484.0	108.3	0.6	4.7	0.22	471.0	411.0	373.0	336.0	286.0	248.0	11.8	327.9	23.1
San Pedro Yaneri	2156.2	2072.1	399.1	-0.1	2.8	0.19	2096.0	1828.0	1690.0	1562.0	1399.0	1278.0	30.3	1329.8	74.3
San Pedro Yólox	1293.3	1255.1	306.2	0.2	3.5	0.24	1253.0	1046.0	925.0	811.0	683.0	552.0	14.1	753.7	28.4
San Pedro Yuconame	576.9	579.1	153.6	-0.2	3.0	0.27	573.0	461.0	392.0	327.0	244.0	182.0	19.6	273.4	36.1
San Raymundo Jalpan	627.5	611.2	201.9	0.0	3.6	0.32	605.0	496.0	421.0	337.0	203.0	86.0	41.3	147.8	69.9
San Sebastián Abasco	666.7	642.0	147.0	0.7	5.2	0.22	632.0	550.0	461.0	335.0	158.0	26.0	10.7	375.9	16.1
San Sebastián Coatlán	824.3	834.7	216.5	1.7	10.5	0.26	817.0	688.0	601.0	514.0	388.0	277.0	8.9	496.9	22.7
San Sebastián Ixcapa	1958.2	1967.2	405.6	0.2	3.0	0.21	1919.0	1623.0	1447.0	1280.0	1063.0	897.0	12.6	1234.0	24.3

Tabla C.149. Características estadísticas de la lluvia anual de cada municipio del estado de Oaxaca. de T

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes				periodos de retorno (Tr)		Tr(años)		Lluvia mínima		Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para		
	X _c (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p mín(mm)	H _p mín		
San Sebastián Nicananduta	1088.7	1087.0	378.7	0.6	5.4	0.35	1069.0	847.0	703.0	565.0	385.0	249.0	27.3	342.5	62.0		
San Sebastián Río Hondo	1608.1	1559.3	524.2	1.0	5.7	0.33	1544.0	1231.0	1029.0	833.0	570.0	362.0	7.8	917.8	14.8		
San Sebastián Tecomahtlahuaca	1076.6	1054.0	356.5	0.8	6.6	0.33	1056.0	845.0	689.0	504.0	164.0	0.0	22.9	279.8	38.1		
San Sebastián Teitipac	656.7	642.0	147.0	0.7	5.2	0.22	632.0	550.0	461.0	335.0	158.0	26.0	10.7	375.9	16.1		
San Sebastián Tutla	672.7	689.3	135.0	0.4	3.1	0.20	671.0	544.0	506.0	464.0	389.0	316.0	9.0	456.4	22.2		
San Simón Almolongas	649.3	624.8	152.5	0.6	3.1	0.23	620.0	526.0	469.0	415.0	342.0	284.0	10.3	404.1	22.9		
San Simón Zahuatlán	839.6	874.0	188.0	-0.5	3.0	0.22	868.0	691.0	587.0	490.0	367.0	275.0	15.6	456.0	25.7		
San Vicente Coatlán	756.0	729.8	227.4	1.7	12.7	0.30	734.0	653.0	531.0	243.0	0.0	0.0	17.0	161.9	24.1		
San Vicente Lachixío	1338.1	1328.1	216.4	0.5	4.6	0.16	1329.0	1190.0	1099.0	1013.0	902.0	818.0	18.5	929.8	39.6		
San Vicente Nuu'lu	778.2	776.8	186.3	0.1	2.6	0.24	770.0	628.0	543.0	463.0	361.0	285.0	9.5	483.9	16.7		
Santa Ana	649.3	624.8	152.5	0.6	3.1	0.23	620.0	526.0	469.0	415.0	342.0	284.0	10.3	404.1	22.9		
Santa Ana Axtlahuaca	3323.9	3204.9	637.5	0.5	4.3	0.19	3160.0	2887.0	2631.0	2199.0	1526.0	1019.0	19.1	1914.2	29.5		
Santa Ana Cuauhtémoc	1379.8	1339.8	409.8	1.5	7.2	0.30	1320.0	1051.0	847.0	599.0	122.0	0.0	9.6	650.7	17.6		
Santa Ana Del Valle	812.1	759.0	225.8	0.5	4.6	0.28	764.0	671.0	549.0	367.0	126.0	0.0	19.8	257.5	30.3		
Santa Ana Tavela	689.7	670.9	231.3	0.2	2.6	0.34	668.0	488.0	384.0	286.0	159.0	62.0	17.7	203.9	36.1		
Santa Ana Tiapacoyan	1329.1	1319.7	244.4	0.6	4.2	0.18	1326.0	1155.0	1045.0	940.0	804.0	703.0	11.3	921.7	22.6		
Santa Ana Yareni	857.6	854.7	202.3	0.3	3.7	0.24	858.0	721.0	633.0	549.0	441.0	361.0	28.7	420.0	60.1		
Santa Ana Zegache	685.1	619.1	399.9	3.7	21.3	0.58	617.0	474.0	373.0	262.0	53.0	0.0	4.4	242.1	22.4		
Santa Catalina Quieri	689.7	670.9	231.3	0.2	2.6	0.34	668.0	488.0	384.0	286.0	159.0	62.0	17.7	203.9	36.1		
Santa Catalina Cuixtla	649.3	624.8	152.5	0.6	3.1	0.23	620.0	526.0	469.0	415.0	342.0	284.0	10.3	404.1	22.9		
Santa Catalina Ixtepeji	720.4	721.8	137.0	0.7	5.0	0.19	713.0	603.0	519.0	422.0	257.0	107.0	10.6	441.9	17.5		
Santa Catalina Juquila	1385.6	1400.6	218.3	-0.7	5.7	0.16	1407.0	1233.0	1110.0	983.0	800.0	649.0	50.3	677.2	88.2		
Santa Catalina Lachatao	942.1	945.0	218.1	0.3	2.6	0.23	932.0	770.0	670.0	575.0	451.0	357.0	12.8	556.0	23.0		
Santa Catalina Loxicha	981.3	942.0	290.5	0.2	3.1	0.30	915.0	739.0	644.0	555.0	442.0	356.0	9.5	558.5	19.5		
Santa Catalina Mechoacán	1527.8	1427.1	594.6	1.6	6.7	0.39	1385.0	1128.0	950.0	753.0	403.0	11.0	7.7	735.1	21.1		
Santa Catalina Minas	529.7	489.3	226.5	2.6	13.6	0.43	476.0	383.0	272.0	8.0	0.0	0.0	9.3	145.5	14.6		
Santa Catalina Quiané	627.5	611.2	201.9	0.0	3.6	0.32	605.0	496.0	421.0	337.0	203.0	86.0	41.3	147.8	69.9		
Santa Catalina Quioquitani	689.7	670.9	231.3	0.2	2.6	0.34	668.0	488.0	384.0	286.0	159.0	62.0	17.7	203.9	36.1		
Santa Catalina Tayata	652.0	647.4	173.9	0.8	5.1	0.27	631.0	519.0	423.0	295.0	81.0	0.0	10.3	342.5	15.8		
Santa Catalina Ticuá	923.1	898.8	215.7	0.6	5.5	0.23	920.0	773.0	669.0	558.0	383.0	216.0	20.7	437.0	38.6		
Santa Catalina Yosonotú	1439.6	1473.3	236.0	-1.5	7.0	0.16	1266.0	1057.3	919.2	786.8	615.3	486.8	24.4	636.0	44.7		
Santa Catalina Zapoquilla	587.7	568.2	154.7	0.4	3.5	0.26	592.0	465.0	382.0	303.0	202.0	126.0	12.6	289.0	22.7		
Santa Cruz Acatepec	3323.9	3204.9	637.5	0.5	4.3	0.19	3160.0	2887.0	2631.0	2199.0	1526.0	1019.0	19.1	1914.2	29.5		
Santa Cruz Amilpas	672.7	689.3	135.0	0.4	3.1	0.20	671.0	544.0	506.0	464.0	389.0	316.0	9.0	456.4	22.2		
Santa Cruz de Bravo	947.5	909.0	252.9	1.7	8.7	0.27	927.0	741.0	614.0	482.0	287.0	105.0	6.4	558.2	13.5		
Santa Cruz Itundujía	1264.4	1256.9	272.9	-0.2	4.5	0.22	1293.0	1085.0	949.0	819.0	651.0	525.0	46.0	537.4	93.5		
Santa Cruz Mixtepec	1329.1	1319.7	244.4	0.6	4.2	0.18	1326.0	1155.0	1045.0	940.0	804.0	703.0	11.3	921.7	22.6		
Santa Cruz Nundaco	957.5	998.5	205.5	-2.4	12.2	0.21	998.0	830.0	726.0	629.0	505.0	413.0	310.3	163.1	658.5		

Tabla C.149. Características estadísticas de la lluvia anual de cada municipio del estado de Oaxaca. dsT

Municipio	Estadísticas de la lluvia promedio municipal						Límite de lluvia mínima anual de diferentes períodos de retorno (Tr)						Tr(años) primer	lluvia mínima registrada	Tr(años) para
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años			
	X _p (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)			
Santa Cruz Papalutla	558.1	530.0	169.2	1.1	6.0	0.30	526.0	436.0	367.0	275.0	105.0	0.0	12.6	257.5	22.3
Santa Cruz Tacache de Mina	822.7	854.3	162.1	-0.5	3.0	0.20	841.0	689.0	601.0	520.0	417.0	340.0	20.8	456.0	36.3
Santa Cruz Tacahua	1246.1	1233.6	247.0	-0.4	3.7	0.20	1239.0	1062.0	958.0	860.0	730.0	637.0	56.3	610.0	121.3
Santa Cruz Tayata	652.0	647.4	173.9	0.8	5.1	0.27	631.0	519.0	423.0	295.0	81.0	0.0	10.3	342.5	16.8
Santa Cruz Xitla	649.3	624.8	152.5	0.6	3.1	0.23	620.0	526.0	469.0	415.0	342.0	284.0	10.3	404.1	22.9
Santa Cruz Xoxocotlán	672.7	689.3	135.0	0.4	3.1	0.20	671.0	544.0	506.0	464.0	389.0	316.0	9.0	456.4	22.2
Santa Cruz Zenzontepec	1320.0	1321.6	271.6	-0.4	5.4	0.21	1325.0	1150.0	1025.0	889.0	682.0	506.0	52.3	537.4	88.6
Santa Gertrudis	627.5	611.2	201.9	0.0	3.6	0.32	605.0	496.0	421.0	337.0	208.0	86.0	41.3	147.8	69.9
Santa Inés de Zaragoza	875.0	845.0	219.9	0.1	3.2	0.25	851.0	714.0	633.0	556.0	458.0	385.0	52.5	361.5	125.1
Santa Inés de Monte	627.5	611.2	201.9	0.0	3.6	0.32	605.0	496.0	421.0	337.0	208.0	86.0	41.3	147.8	69.9
Santa Inés Yatzeche	627.5	611.2	201.9	0.0	3.6	0.32	605.0	496.0	421.0	337.0	208.0	86.0	41.3	147.8	69.9
Santa Lucía Del Camino	672.7	689.3	135.0	0.4	3.1	0.20	671.0	544.0	506.0	464.0	389.0	316.0	9.0	456.4	22.2
Santa Lucía Miahuatlán	1808.1	1559.3	524.2	1.0	5.7	0.33	1644.0	1291.0	1029.0	833.0	570.0	362.0	7.8	917.8	14.8
Santa Lucía Monteverde	1808.9	1770.2	315.4	-0.2	3.6	0.17	1826.0	1613.0	1477.0	1347.0	1179.0	1053.0	36.4	1109.0	73.4
Santa Lucía Ocotlán	664.4	660.5	138.8	0.8	4.2	0.21	647.0	568.0	492.0	416.0	294.0	192.0	13.3	398.7	23.0
Santa Magdalena Jicotlán	621.1	622.4	232.9	0.4	3.2	0.38	589.0	434.0	336.0	237.0	97.0	0.0	14.5	189.2	27.7
Santa María Ahotepec	2070.8	2044.1	620.8	0.3	3.2	0.30	2011.0	1564.0	1279.0	993.0	593.0	267.0	13.0	933.3	23.1
Santa María Apaxco	588.6	572.6	222.0	0.3	4.1	0.38	578.0	410.0	285.0	147.0	0.0	0.0	12.3	147.5	19.9
Santa María Atzompa	744.3	750.0	158.5	0.2	4.6	0.21	749.0	621.0	529.0	431.0	279.0	140.0	21.4	338.0	35.8
Santa María Camotlán	703.4	692.5	232.1	0.1	4.0	0.33	736.0	540.0	412.0	289.0	130.0	11.0	18.2	201.0	33.2
Santa María Colotepec	981.3	942.0	290.5	0.2	3.1	0.30	915.0	739.0	644.0	555.0	442.0	366.0	9.5	558.5	19.5
Santa María Cortijo	1958.2	1967.2	405.6	0.2	3.0	0.21	1919.0	1623.0	1447.0	1280.0	1063.0	897.0	12.6	1234.0	24.3
Santa María Coyotepec	662.4	631.5	151.5	0.4	3.6	0.23	622.0	531.0	470.0	391.0	259.0	154.0	15.7	350.3	26.8
Santa María Chachoapam	644.2	664.0	233.6	-0.7	5.7	0.36	665.0	486.0	367.0	251.0	95.0	0.0	24.2	129.0	41.1
Santa María Chilchotla	3740.4	3542.2	862.1	0.3	2.7	0.18	3544.0	3196.0	3022.0	2844.0	2570.0	2324.0	30.0	2482.1	65.5
Santa María Chimalapa	2020.1	1894.6	427.9	0.8	3.4	0.21	1894.0	1680.0	1553.0	1426.0	1240.0	1065.0	10.1	1396.8	23.4
Santa María del Rosario	652.0	647.4	173.9	0.8	5.1	0.27	631.0	519.0	423.0	295.0	81.0	0.0	10.3	342.5	16.8
Santa María Del Tule	672.7	689.3	135.0	0.4	3.1	0.20	671.0	544.0	506.0	464.0	389.0	316.0	9.0	456.4	22.2
Santa María Ecatepec	1052.8	1140.8	353.5	0.2	2.6	0.34	985.0	740.0	643.0	545.0	399.0	267.0	14.1	467.5	33.3
Santa María Guatape	656.7	642.0	147.0	0.7	5.2	0.22	632.0	550.0	461.0	335.0	158.0	26.0	10.7	375.9	16.1
Santa María Gutierrez	1236.8	1186.3	395.1	1.2	6.9	0.32	1180.0	975.0	844.0	719.0	557.0	435.0	9.8	695.8	22.8
Santa María Huautuco	1338.7	1271.7	519.3	0.0	5.2	0.39	1345.0	966.0	717.0	470.0	132.0	0.0	24.2	170.5	45.2
Santa María Huazolotlán	1527.8	1427.1	594.6	1.6	6.7	0.39	1385.0	1128.0	950.0	753.0	403.0	11.0	7.7	735.1	21.1
Santa María Ipatapa	1958.2	1967.2	405.6	0.2	3.0	0.21	1919.0	1623.0	1447.0	1280.0	1063.0	897.0	12.6	1234.0	24.3
Santa María Ixcatlán	719.9	675.7	424.3	3.7	21.5	0.59	407.7	32.6	0.0	0.0	0.0	0.0	2.2	111.5	4.1
Santa María Jacatepec	2658.2	2706.8	483.5	-0.2	3.6	0.18	2661.0	2289.0	2055.0	1831.0	1530.0	1307.0	25.0	1541.2	48.9
Santa María Jaltapa del Marqués	625.8	594.0	218.3	0.9	5.2	0.35	617.0	439.0	315.0	186.0	0.0	0.0	8.7	234.5	15.5
Santa María Jaltanguis	857.6	854.7	202.3	0.3	3.7	0.24	858.0	721.0	633.0	549.0	441.0	361.0	28.7	420.0	60.1

Tabla C.149. Características estadísticas de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes				periodos de retorno (Tr)		Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _p (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p mín(mm)	H _p mín
Santa María La Asunción	2643.7	2658.9	413.5	0.1	3.4	0.16	2649.0	2308.0	2071.0	1829.0	1490.0	1217.0	11.0	1864.7	18.1
Santa María Lachixio	1338.1	1328.1	216.4	0.5	4.6	0.16	1329.0	1190.0	1099.0	1013.0	902.0	818.0	18.5	929.8	39.6
Santa María Mixtequilla	875.3	796.0	395.6	0.8	4.3	0.45	785.0	598.0	469.0	324.0	75.0	0.0	13.4	257.5	26.3
Santa María Nativitas	582.2	595.2	156.9	-0.3	3.1	0.27	583.0	432.0	344.0	262.0	157.0	79.0	8.9	311.9	13.1
Santa María Nduayaco	591.2	625.0	144.1	-0.6	3.2	0.24	619.0	467.0	367.0	295.0	212.0	151.0	14.2	273.4	25.2
Santa María Ozolotepec	1207.0	1176.8	258.3	1.1	6.2	0.21	1201.0	1049.0	937.0	808.0	583.0	369.0	15.9	722.7	29.3
Santa María Papalo	947.1	947.2	226.2	0.2	2.9	0.24	940.0	756.0	639.0	525.0	371.0	252.0	8.6	580.6	14.3
Santa María Peñoles	786.1	781.5	176.5	0.8	4.0	0.22	754.0	629.0	537.0	435.0	276.0	142.0	6.2	526.7	10.8
Santa María Petapa	1408.6	1396.1	379.2	0.2	2.6	0.27	1360.0	1060.0	895.0	737.0	529.0	367.0	13.2	687.0	27.3
Santa María Quijotani	738.6	728.9	218.0	0.1	3.2	0.30	726.0	557.0	454.0	355.0	223.0	121.0	27.3	203.9	57.0
Santa María Sola	2019.2	2077.4	357.7	-0.4	4.4	0.18	2037.0	1770.0	1596.0	1429.0	1214.0	1053.0	27.0	1195.6	54.2
Santa María Tataltepec	882.6	897.6	192.8	0.7	4.3	0.22	859.0	737.0	656.0	571.0	446.0	337.0	12.9	536.5	26.2
Santa María Tecomavaca	609.1	521.0	421.1	4.5	27.2	0.69	299.2	0.0	0.0	0.0	0.0	0.0	1.6	163.4	2.7
Santa María Temaxcalapa	1603.3	1648.4	281.0	-0.3	3.7	0.18	1617.0	1393.0	1244.0	1097.0	899.0	744.0	21.9	961.3	37.6
Santa María Temaxcaltepec	1469.8	1478.1	293.6	-0.4	5.7	0.20	1484.0	1297.0	1113.0	859.0	479.0	192.0	23.4	643.0	33.7
Santa María Teopoxco	2354.4	2240.3	480.5	0.2	4.8	0.20	2233.0	2025.0	1835.0	1539.0	1082.0	736.0	30.1	1085.8	49.6
Santa María Tepanilá	2070.8	2044.1	620.8	0.3	3.2	0.30	2011.0	1564.0	1279.0	993.0	593.0	267.0	13.0	933.3	23.1
Santa María Texcalitlán	515.3	508.3	170.8	1.2	6.2	0.33	499.0	386.0	303.0	207.0	38.0	0.0	12.3	187.6	22.7
Santa María Tlahuitoltepec	2070.8	2044.1	620.8	0.3	3.2	0.30	2011.0	1564.0	1279.0	993.0	593.0	267.0	13.0	933.3	23.1
Santa María Tlaxiaco	1379.8	1339.8	409.8	1.5	7.2	0.30	1320.0	1051.0	847.0	599.0	122.0	0.0	9.6	650.7	17.6
Santa María Tonameca	883.6	820.7	253.7	2.1	11.5	0.29	838.0	732.0	651.0	547.0	275.0	0.0	7.8	586.0	15.9
Santa María Totolapilla	941.3	893.2	352.9	0.5	5.4	0.37	681.6	369.6	163.1	0.0	0.0	0.0	3.4	357.3	5.2
Santa María Xadani	887.4	880.7	324.9	0.7	3.5	0.37	840.0	572.0	465.0	306.0	21.0	0.0	8.4	371.6	15.6
Santa María Yalina	847.6	852.0	196.1	0.4	4.9	0.23	846.0	703.0	590.0	453.0	209.0	0.0	13.8	439.9	21.2
Santa María Yavesia	1013.8	996.5	202.0	-0.2	2.6	0.20	1007.0	844.0	755.0	672.0	567.0	489.0	24.2	577.8	45.4
Santa María Yolotepec	1033.2	1025.0	211.8	-0.1	4.5	0.20	1025.0	890.0	729.0	529.0	265.0	69.0	14.3	523.5	20.4
Santa María Yosoyúa	1147.7	1140.1	241.4	-0.5	4.6	0.21	1148.0	977.0	867.0	758.0	609.0	490.0	70.3	437.0	135.5
Santa María Yucuhiti	1439.6	1473.3	236.0	-1.5	7.0	0.16	1266.0	1057.3	919.2	786.8	615.3	486.8	24.4	636.0	44.7
Santa María Zacatepec	2118.7	2034.5	593.0	0.9	4.3	0.28	2041.0	1692.0	1472.0	1263.0	993.0	791.0	9.9	1234.0	22.0
Santa María Zaniza	1768.7	1794.7	286.2	0.0	3.7	0.15	1776.0	1566.0	1417.0	1261.0	1037.0	852.0	16.3	1195.5	26.4
Santa María Zoquiitlán	434.7	403.3	123.2	0.0	2.9	0.28	417.0	351.0	308.0	231.0	125.0	45.0	26.1	145.5	41.7
Santiago Amoltepec	1768.7	1794.7	286.2	0.0	3.7	0.15	1776.0	1566.0	1417.0	1261.0	1037.0	852.0	16.3	1195.5	26.4
Santiago Apoala	420.0	430.1	132.0	0.3	4.3	0.31	421.0	318.0	241.0	156.0	22.0	0.0	13.7	144.0	21.8
Santiago Apóstol	685.1	618.1	399.9	3.7	21.3	0.58	617.0	474.0	373.0	262.0	53.0	0.0	4.4	242.1	22.4
Santiago Astata	946.8	890.5	259.0	0.6	3.7	0.27	911.0	745.0	642.0	541.0	408.0	304.0	13.3	493.0	28.0
Santiago Amilán	2070.8	2044.1	620.8	0.3	3.2	0.30	2011.0	1564.0	1279.0	993.0	593.0	267.0	13.0	933.3	23.1
Santiago Ayuquilla	839.6	874.0	188.0	-0.5	3.0	0.22	868.0	691.0	587.0	490.0	367.0	275.0	15.6	456.0	25.7
Santiago Cacaloxtepec	663.5	664.0	128.9	0.2	3.9	0.19	663.0	566.0	504.0	444.0	367.0	308.0	14.2	424.1	25.4

Tabla C.149. Características estadísticas de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X ₀ (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p mín(mm)	H _p mín
Santiago Camotlán	2435.3	2341.8	375.3	0.5	3.5	0.15	2350.0	2123.0	1971.0	1802.0	1533.0	1301.0	9.5	1827.9	18.1
Santiago Comaltepec	1293.3	1255.1	306.2	0.2	3.5	0.24	1253.0	1046.0	925.0	811.0	668.0	552.0	14.1	753.7	28.4
Santiago Chazumba	484.2	484.0	108.3	0.6	4.7	0.22	471.0	411.0	373.0	336.0	286.0	248.0	11.8	327.9	23.1
Santiago Choapam	2604.7	2688.8	670.6	-0.8	3.3	0.26	2717.0	2128.0	1751.0	1392.0	928.0	581.0	18.2	1203.5	28.9
Santiago Del Rio	897.7	854.1	262.5	1.9	9.3	0.29	851.0	726.0	637.0	537.0	354.0	141.0	15.7	422.2	37.3
Santiago Huajolotlán	724.9	692.5	210.0	0.1	5.2	0.29	706.0	587.0	494.0	379.0	189.0	33.0	29.0	201.0	47.4
Santiago Huauclilla	536.5	510.3	210.9	0.8	4.7	0.39	534.0	421.0	348.0	278.0	186.0	115.0	19.0	190.5	47.7
Santiago Ihuatlán Plumas	659.6	686.7	197.5	0.1	3.0	0.30	655.0	500.0	401.0	305.0	177.0	79.0	13.3	285.6	23.0
Santiago Ixcuintepec	1667.1	1666.4	539.4	-0.3	4.2	0.32	1675.0	1453.0	1064.0	642.0	102.0	0.0	21.6	344.5	33.0
Santiago Ixtayutla	1544.2	1524.0	262.0	0.0	3.5	0.17	1532.0	1376.0	1261.0	1129.0	924.0	754.0	21.9	1009.7	34.7
Santiago Jamiltepec	1153.2	1148.6	302.2	0.0	2.9	0.26	1168.0	956.0	735.0	525.0	250.0	50.0	12.9	537.4	19.2
Santiago Jocotepec	2536.1	2380.1	460.2	0.6	3.1	0.18	2389.0	2175.0	2046.0	1883.0	1571.0	1291.0	20.5	1701.8	35.3
Santiago Juchitahuaca	1783.3	1818.4	373.0	0.2	3.7	0.21	1780.0	1542.0	1387.0	1237.0	1037.0	880.0	28.5	1003.4	58.1
Santiago Lachiguiri	941.3	893.2	352.9	0.5	5.4	0.37	881.6	369.6	163.1	0.0	0.0	0.0	3.4	357.3	5.2
Santiago Lalopa	2101.9	2041.0	345.7	0.3	3.0	0.16	2059.0	1824.0	1689.0	1561.0	1394.0	1267.0	16.5	1467.6	33.4
Santiago Laollaga	682.7	568.0	259.9	0.8	3.4	0.38	575.0	469.0	409.0	334.0	174.0	18.0	10.4	306.1	24.4
Santiago Laxopa	617.7	605.2	172.1	-0.2	3.9	0.28	604.0	473.0	412.0	356.0	288.0	232.0	17.5	309.5	36.2
Santiago Llano Grande	1958.2	1967.2	406.6	0.2	3.0	0.21	1919.0	1623.0	1447.0	1280.0	1068.0	897.0	12.6	1234.0	24.3
Santiago Matatlán	601.4	566.4	240.6	2.0	10.3	0.40	575.0	414.0	299.0	170.0	0.0	0.0	6.2	242.1	13.8
Santiago Miltepec	587.7	568.2	154.7	0.4	3.5	0.26	592.0	465.0	382.0	303.0	202.0	126.0	12.6	289.0	22.7
Santiago Minas	1341.4	1376.1	233.1	-0.7	4.2	0.17	1374.0	1180.0	1051.0	925.0	760.0	633.0	41.9	677.2	78.7
Santiago Nacaltepec	481.2	485.5	133.0	0.1	2.4	0.28	485.0	352.0	310.0	270.0	213.0	166.0	12.1	250.3	27.6
Santiago Nejaolilla	778.2	776.8	186.3	0.1	2.6	0.24	770.0	628.0	543.0	463.0	361.0	285.0	9.5	483.9	16.7
Santiago Nilletepec	988.0	1055.1	302.5	0.1	4.2	0.31	1007.0	761.0	590.0	414.0	164.0	0.0	10.1	458.7	16.8
Santiago Nundiche	643.1	635.0	179.5	0.7	4.0	0.28	618.0	495.0	401.0	293.0	114.0	0.0	10.0	327.4	16.3
Santiago Nuyoo	1439.6	1473.3	236.0	-1.5	7.0	0.16	1266.0	1057.3	919.2	786.8	613.3	486.8	24.4	636.0	44.7
Santiago Pinotepa Nacional	1535.2	1402.2	683.0	1.3	5.1	0.44	1394.0	998.0	729.0	449.0	240.0	0.0	8.1	504.1	17.5
Santiago Suchilquitongo	860.1	751.2	269.5	0.5	2.6	0.31	751.0	645.0	590.0	535.0	457.0	387.0	23.5	426.6	68.8
Santiago Tamazola	947.5	909.0	252.9	1.7	8.7	0.27	927.0	741.0	614.0	482.0	287.0	105.0	6.4	558.2	13.5
Santiago Tapextla	1958.2	1967.2	406.6	0.2	3.0	0.21	1919.0	1623.0	1447.0	1280.0	1068.0	897.0	12.6	1234.0	24.3
Santiago Tenango	686.4	646.2	182.2	1.1	5.6	0.27	666.0	534.0	442.0	346.0	204.0	83.0	6.4	414.4	12.2
Santiago Tepetlapa	562.3	496.5	219.4	1.0	4.2	0.39	487.0	382.0	314.0	231.0	77.0	0.0	8.0	248.5	17.6
Santiago Tepepec	1153.2	1148.6	302.2	0.0	2.9	0.26	1168.0	956.0	735.0	525.0	250.0	50.0	12.9	537.4	19.2
Santiago Texcalcingo	3323.9	3204.9	637.5	0.5	4.3	0.19	3160.0	2887.0	2631.0	2199.0	1526.0	1019.0	19.1	1914.2	29.5
Santiago Textitlán	1588.7	1569.9	262.6	0.1	4.3	0.17	1617.0	1435.0	1307.0	1174.0	970.0	809.0	32.2	951.7	55.9
Santiago Tilantongo	1072.8	1094.2	266.0	-0.1	2.7	0.25	1089.0	831.0	692.0	563.0	391.0	272.0	13.9	527.5	24.3
Santiago Tillo	963.0	963.0	290.0	-0.3	3.3	0.30	963.0	733.0	598.0	472.0	310.0	189.0	20.0	361.5	37.4
Santiago Tlaxiayaltepec	786.1	781.5	176.5	0.8	4.0	0.22	754.0	629.0	537.0	435.0	270.0	142.0	6.2	526.7	10.8

Tabla C.149. Características estadísticas de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes				periodos de retorno (Tr)		Tr(años) primer	lluvia mínima registrada	Tr(años) para
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años			
	X_c (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp máx(mm)	Hp mín
Santiago Xanica	1243.7	1167.9	366.2	1.1	5.5	0.29	1162.0	951.0	803.0	633.0	341.0	72.0	9.3	645.8	19.0
Santiago Xiacuí	1013.8	996.5	202.0	-0.2	2.6	0.20	1007.0	844.0	755.0	672.0	567.0	489.0	24.2	577.8	45.4
Santiago Yatepec	1469.8	1478.1	293.6	-0.4	5.7	0.20	1484.0	1297.0	1113.0	859.0	479.0	192.0	23.4	643.0	33.7
Santiago Yaveo	2599.9	2499.8	828.2	0.9	3.6	0.32	2477.0	1974.0	1658.0	1357.0	970.0	680.0	9.6	1350.5	20.3
Santiago Yolomécatl	591.2	625.0	144.1	-0.6	3.2	0.24	619.0	467.0	367.0	295.0	212.0	151.0	14.2	273.4	25.2
Santiago Yosondúa	1018.7	1005.3	233.7	0.5	3.9	0.23	979.0	843.0	757.0	674.0	564.0	477.0	16.4	603.3	36.1
Santiago Yucuyachi	947.5	909.0	252.9	1.7	8.7	0.27	927.0	741.0	614.0	482.0	287.0	105.0	6.4	558.2	13.5
Santiago Zacatepec	2793.6	2806.2	952.2	-0.4	4.6	0.34	2850.0	2098.0	1613.0	1150.0	550.0	99.0	31.6	402.8	62.7
Santiago Zochitla	822.3	827.8	177.3	0.5	5.0	0.22	819.0	687.0	578.0	440.0	205.0	8.0	12.9	439.9	20.0
Santo Domingo Albarradas	1334.0	1334.0	311.5	-0.3	3.5	0.23	1333.0	1101.0	964.0	834.0	667.0	541.0	23.8	681.8	46.1
Santo Domingo Armenta	1958.2	1967.2	405.6	0.2	3.0	0.21	1919.0	1623.0	1447.0	1280.0	1063.0	897.0	12.6	1234.0	24.3
Santo Domingo Chihuitán	682.7	568.0	259.9	0.8	3.4	0.38	575.0	469.0	409.0	334.0	174.0	18.0	10.4	306.1	24.4
Santo Domingo de Morelos	883.6	820.7	253.7	2.1	11.5	0.29	838.0	732.0	651.0	547.0	275.0	0.0	7.8	586.0	15.9
Santo Domingo Ingenio	908.5	923.5	256.2	0.6	3.4	0.28	850.0	661.0	585.0	492.0	317.0	155.0	5.2	549.9	13.3
Santo Domingo Ixcatlán	1018.7	1005.3	233.7	0.5	3.9	0.23	979.0	843.0	757.0	674.0	564.0	477.0	16.4	603.3	36.1
Santo Domingo Nuxtlá	875.0	845.0	219.9	0.1	3.2	0.25	851.0	714.0	633.0	556.0	458.0	385.0	52.5	361.5	125.1
Santo Domingo Ozolotepec	1205.1	1132.3	306.0	0.9	3.8	0.25	1118.0	960.0	859.0	746.0	555.0	375.0	13.2	696.0	26.2
Santo Domingo Petapa	1408.6	1396.1	379.2	0.2	2.6	0.27	1360.0	1060.0	895.0	737.0	529.0	367.0	13.2	667.0	27.3
Santo Domingo Roayaga	1536.9	1453.5	451.9	2.2	11.1	0.29	1444.0	1222.0	1026.0	704.0	9.0	0.0	8.4	828.4	16.1
Santo Domingo Tehuantepec	829.6	765.2	295.3	0.5	3.1	0.36	770.0	602.0	500.0	401.0	265.0	155.0	15.1	321.5	34.4
Santo Domingo Teajomulco	2019.2	2077.4	357.7	-0.4	4.4	0.18	2037.0	1770.0	1596.0	1429.0	1214.0	1053.0	27.0	1195.5	54.2
Santo Domingo Tepuxtepec	739.6	744.8	237.9	0.2	3.2	0.32	732.0	556.0	443.0	333.0	186.0	71.0	22.5	203.9	44.9
Santo Domingo Tlaxiapam	778.2	776.8	186.3	0.1	2.6	0.24	770.0	628.0	543.0	463.0	361.0	285.0	9.5	483.9	16.7
Santo Domingo Tomaltepec	672.7	689.3	135.0	0.4	3.1	0.20	671.0	544.0	506.0	464.0	389.0	318.0	9.0	456.4	22.2
Santo Domingo Tonala	822.7	854.3	162.1	-0.5	3.0	0.20	841.0	689.0	601.0	520.0	417.0	340.0	20.8	456.0	35.3
Santo Domingo Tonatepec	622.7	595.2	185.7	0.7	3.8	0.30	550.0	458.0	417.0	368.0	263.0	158.0	4.3	404.5	12.2
Santo Domingo Xagacía	617.7	605.2	172.1	-0.2	3.9	0.28	604.0	473.0	412.0	356.0	285.0	232.0	17.5	309.5	36.2
Santo Domingo Yanhuitán	869.8	917.7	251.7	0.0	3.7	0.29	879.0	644.0	516.0	355.0	134.0	0.0	12.3	361.5	19.5
Santo Domingo Yodohino	1136.9	1098.7	348.1	0.7	5.8	0.31	1102.0	926.0	813.0	705.0	565.0	459.0	46.4	424.1	125.7
Santo Domingo Zanatepec	1350.3	1331.3	394.1	0.7	4.4	0.29	1306.0	1041.0	865.0	686.0	427.0	205.0	14.1	578.9	29.6
Santo Tomás Jalieza	685.1	619.1	399.9	3.7	21.3	0.58	617.0	474.0	373.0	262.0	53.0	0.0	4.4	242.1	22.4
Santo Tomás Mazaltepec	718.2	715.6	121.7	-0.3	4.0	0.17	731.0	627.0	555.0	485.0	388.0	312.0	22.1	417.8	37.9
Santo Tomás Ocotepc	957.5	998.5	205.5	-2.4	12.2	0.21	998.0	830.0	726.0	629.0	505.0	413.0	310.3	163.1	658.5
Santo Tomás Tamazulapam	1608.1	1559.3	524.2	1.0	5.7	0.33	1544.0	1231.0	1029.0	833.0	570.0	362.0	7.8	917.8	14.8
Santos Reyes Nopala	1461.9	1478.1	242.3	-0.2	3.4	0.17	1470.0	1278.0	1150.0	1025.0	856.0	725.0	19.0	933.8	32.9
Santos Reyes Papalo	963.9	944.7	245.3	0.3	2.8	0.25	936.0	756.0	644.0	536.0	392.0	280.0	9.1	575.4	15.5
Santos Reyes Tepejillo	592.1	584.7	143.4	0.7	4.7	0.24	572.0	486.0	429.0	368.0	276.0	194.0	15.2	327.4	30.6
Santos Reyes Yucuná	685.7	705.5	202.5	-1.7	8.8	0.30	717.0	554.0	445.0	342.0	207.0	106.0	78.7	47.7	149.9

Tabla C.149. Características estadísticas de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Estadísticos de la lluvia promedio municipal				Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años) primer	Lluvia mínima registrada	Tr(años) para		
	Media	Mediana	Desv Stdr	Coeficientes			2 años	5 años	10 años	20 años				50 años	100 años
	X _p (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)				H _p (mm)	H _p (mm)
Silacayoapan	947.5	909.0	252.9	1.7	8.7	0.27	927.0	741.0	614.0	482.0	287.0	105.0	6.4	558.2	13.5
Sitio de Xitlapehua	599.3	576.5	161.4	0.6	3.1	0.27	573.0	467.0	399.0	330.0	295.0	156.0	12.9	310.8	24.3
Soledad Etla	717.1	716.2	166.1	-0.1	4.5	0.23	734.0	598.0	506.0	415.0	290.0	188.0	19.1	338.0	35.5
Tamazulapam del Espíritu Santo	2070.8	2044.1	620.8	0.3	3.2	0.30	2011.0	1564.0	1279.0	993.0	593.0	267.0	13.0	933.3	23.1
Tanetze de Zaragoza	1603.3	1646.4	281.0	-0.3	3.7	0.18	1617.0	1393.0	1244.0	1097.0	899.0	744.0	21.9	961.3	37.6
Taniche	657.1	656.0	152.9	1.0	5.2	0.23	642.0	563.0	511.0	463.0	400.0	352.0	18.8	398.7	50.6
Tataltepec de Valdés	1153.2	1148.6	302.2	0.0	2.9	0.26	1168.0	966.0	735.0	525.0	253.0	50.0	12.9	537.4	19.2
Teococuilco de Marcos Pérez	746.2	727.3	202.4	0.7	4.1	0.27	732.0	591.0	497.0	404.0	277.0	174.0	11.3	393.3	21.7
Teotitlán de Flores Magón	477.9	478.0	143.3	0.0	3.4	0.30	469.0	368.0	299.0	222.0	108.0	17.0	18.5	167.8	31.3
Teotitlán del Valle	907.9	913.0	192.6	0.4	3.5	0.21	892.0	761.0	660.0	542.0	367.0	203.0	12.5	548.8	19.3
Teotongo	580.9	590.0	213.6	0.3	4.1	0.37	567.0	412.0	292.0	153.0	0.0	0.0	13.3	137.9	21.5
Tepehmemme Villa de Morelos	566.8	533.9	169.7	0.4	3.7	0.30	550.0	430.0	356.0	285.0	193.0	123.0	22.4	195.4	48.6
Tezoatlán de Segura y Luna	667.3	670.7	118.3	0.1	3.0	0.18	670.0	551.0	508.0	465.0	403.0	349.0	6.3	495.9	12.2
Tlacoalula de Matamoros	466.0	456.5	135.0	0.1	4.3	0.29	449.0	366.0	291.0	196.0	83.0	0.0	17.5	145.5	28.3
Tlacoatepec Plumas	659.6	686.7	197.5	0.1	3.0	0.30	655.0	500.0	401.0	305.0	177.0	79.0	13.3	285.6	23.0
Tlaxiactac de Cabrera	718.4	714.3	148.8	0.6	4.8	0.21	710.0	597.0	507.0	398.0	216.0	60.0	9.3	447.8	14.9
Totontepec Villa de Morelos	1695.2	1571.8	629.5	0.5	3.2	0.37	1527.0	1136.0	906.0	659.0	271.0	0.0	8.7	683.8	18.7
Trinidad Vista Hermosa, La	580.9	590.0	213.6	0.3	4.1	0.37	567.0	412.0	292.0	153.0	0.0	0.0	13.3	137.9	21.5
Trinidad Zaachila	627.5	611.2	201.9	0.0	3.6	0.32	605.0	496.0	421.0	337.0	243.0	86.0	41.3	147.8	69.9
Unión Hidalgo	908.5	923.5	256.2	0.6	3.4	0.28	850.0	661.0	585.0	492.0	317.0	155.0	5.2	549.9	13.3
Valerio Trujano	520.5	517.3	190.2	1.7	8.2	0.37	506.0	389.0	313.0	240.0	144.0	70.0	12.2	187.6	32.9
Villa de Chilapa de Díaz	1589.8	1582.1	262.4	-0.2	2.7	0.17	1616.0	1401.0	1263.0	1133.0	945.0	839.0	11.5	1154.0	17.9
Villa de Etla	717.1	716.2	166.1	-0.1	4.5	0.23	734.0	598.0	506.0	415.0	290.0	188.0	19.1	338.0	35.5
Villa de Tamazulapam del Progreso	778.2	739.8	231.2	2.6	14.9	0.30	735.0	614.0	316.0	26.0	0.0	0.0	5.6	435.4	7.6
Villa de Tututepec de Melchor Ocampo	1318.3	1303.2	221.8	0.3	3.3	0.17	1287.0	1128.0	1033.0	936.0	797.0	682.0	10.1	941.6	19.2
Villa de Zaachila	627.5	611.2	201.9	0.0	3.6	0.32	605.0	496.0	421.0	337.0	243.0	86.0	41.3	147.8	69.9
Villa Díaz Ordaz	951.9	948.5	206.0	0.5	2.9	0.22	926.0	814.0	745.0	679.0	545.0	532.0	16.8	621.8	37.3
Villa Hidalgo	778.7	763.2	177.2	0.3	2.8	0.23	755.0	634.0	564.0	497.0	408.0	338.0	14.9	453.6	31.2
Villa Sola de Vega	1145.2	1122.8	188.8	0.4	3.2	0.16	1129.0	984.0	886.0	787.0	640.0	540.0	9.4	821.3	15.8
Villa Talea de Castro	1603.3	1646.4	281.0	-0.3	3.7	0.18	1617.0	1393.0	1244.0	1097.0	899.0	744.0	21.9	961.3	37.6
Villa Tejuapam de la Unión	534.1	531.8	149.9	0.3	2.7	0.28	513.0	423.0	367.0	315.0	247.0	197.0	12.2	304.5	22.9
Yaxe	426.7	431.0	126.1	0.1	3.0	0.30	416.0	330.0	285.0	226.0	125.0	45.0	25.2	145.5	41.8
Yogana	756.0	729.8	227.4	1.7	12.7	0.30	734.0	653.0	531.0	243.0	0.0	0.0	17.0	161.9	24.1
Yutanduchi de Guerrero	1072.8	1094.2	266.0	-0.1	2.7	0.25	1089.0	831.0	692.0	563.0	397.0	272.0	13.9	527.5	24.3
Zapotitlán Del Río	1588.7	1569.9	262.6	0.1	4.3	0.17	1617.0	1435.0	1307.0	1174.0	978.0	809.0	32.2	951.7	55.9
Zapotitlán Lagunas	947.5	909.0	252.9	1.7	8.7	0.27	927.0	741.0	614.0	482.0	287.0	105.0	6.4	558.2	13.5
Zapotitlán Palmas	735.1	737.4	203.7	-0.2	4.9	0.28	734.0	610.0	495.0	340.0	102.0	0.0	23.8	191.7	35.5
Zimatitlán de Alvarez	627.5	611.2	201.9	0.0	3.6	0.32	605.0	496.0	421.0	337.0	203.0	86.0	41.3	147.8	69.9
Estatal	1403.7	1408.5	200.3	0.1	2.9	0.14	1399.0	1246.0	1146.0	1045.0	908.0	798.0	15.0	1006.6	26.0

Tabla C.149. Características estadísticas de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Abejones	534.3	615.7	697.0	778.3	859.7	941.0	1022.3	1103.6	1185.0	1266.3	6.6	3.3	0.0	20.0	20.0	23.3	6.6	0.0	10.0	10.0
Acatlán de Pérez Figueroa	1307.1	1466.0	1628.8	1789.7	1950.6	2111.5	2272.4	2433.2	2594.1	2755.0	20.8	8.3	8.3	16.6	16.6	8.3	4.1	4.1	8.3	4.1
Ánimas Trujano	421.4	492.5	563.6	634.7	705.8	776.8	847.9	919.0	990.1	1061.2	2.6	7.8	13.1	26.3	5.2	18.4	18.4	2.6	2.6	2.6
Asunción Cacalotepec	1172.1	1410.9	1649.7	1888.5	2127.3	2366.0	2604.8	2843.6	3082.4	3321.2	8.8	2.9	14.7	11.7	20.5	11.7	8.8	8.8	2.9	8.8
Asunción Cuyotepeji	306.1	411.1	516.2	621.2	726.2	831.3	936.3	1041.4	1146.5	1251.5	4.0	8.0	4.0	20.0	20.0	20.0	8.0	12.0	9.0	4.0
Asunción Ixtaltepec	645.0	781.7	918.3	1055.0	1191.6	1328.2	1464.9	1601.5	1738.2	1874.8	3.4	13.7	6.8	34.4	10.3	10.3	3.4	10.3	3.4	3.4
Asunción Nochistlán	453.0	544.4	635.9	727.3	818.8	910.2	1001.7	1093.1	1184.6	1276.0	3.0	0.0	9.0	15.1	18.1	18.1	9.0	9.0	6.0	12.1
Asunción Ocotlán	462.2	525.7	589.2	652.7	716.3	779.8	843.3	906.8	970.3	1033.8	3.4	13.7	17.2	10.3	31.0	6.8	6.8	6.8	0.0	3.4
Asunción Tlacolulita	594.6	721.7	848.8	975.9	1103.0	1230.0	1357.1	1484.2	1611.3	1738.4	13.7	3.4	17.2	13.7	0.0	20.6	13.7	0.0	10.3	6.8
Ayoquezaco de Aldama	462.2	525.7	589.2	652.7	716.3	779.8	843.3	906.8	970.3	1033.8	3.4	13.7	17.2	10.3	31.0	6.8	6.8	6.8	0.0	3.4
Ayotzinpec	1087.9	1520.9	1953.9	2386.9	2819.9	3252.9	3685.9	4118.9	4551.9	4984.9	4.3	0.0	0.0	0.0	4.3	30.4	17.3	30.4	4.3	8.6
Barrio de la Soledad, El	831.7	996.4	1161.1	1325.8	1490.5	1655.2	1819.9	1984.6	2149.3	2314.0	4.0	4.1	18.3	16.3	16.3	2.0	22.4	6.1	4.0	2.0
Calihuala	696.8	835.4	974.0	1112.6	1251.3	1389.9	1528.5	1667.1	1805.7	1944.3	7.5	22.5	37.5	15.0	10.0	2.5	2.5	0.0	0.0	2.5
Candelaria Loxicha	373.4	513.3	653.3	793.2	933.2	1073.1	1213.1	1353.0	1493.0	1632.9	3.7	3.7	3.7	11.1	37.0	14.8	11.1	7.4	0.0	7.4
Capulalpam de Méndez	713.7	833.6	953.4	1073.2	1193.1	1312.9	1432.7	1552.5	1672.4	1792.2	4.1	0.0	4.1	4.1	8.3	16.6	33.3	8.3	8.3	12.5
Ciánega de Zimatlán	233.2	318.5	403.9	489.2	574.6	660.0	745.3	830.7	916.0	1001.4	3.5	0.0	7.1	10.7	21.4	25.0	7.1	3.5	14.2	7.1
Ciudad Ixtepe	677.9	776.0	874.2	972.4	1070.6	1168.7	1266.9	1365.1	1463.2	1561.4	13.7	19.3	13.7	3.4	20.6	6.8	0.0	13.7	3.4	13.7
Coatecas Altas	466.9	535.1	603.3	671.5	739.8	808.0	876.2	944.4	1012.6	1080.8	6.8	13.7	13.7	27.5	24.1	0.0	3.4	3.4	0.0	6.8
Coicoyán de las Flores	944.1	1132.9	1321.8	1510.6	1699.4	1888.2	2077.0	2265.9	2454.7	2643.5	10.3	3.4	24.1	17.2	27.5	0.0	10.3	0.0	0.0	6.8
Compañía, La	466.9	535.1	603.3	671.5	739.8	808.0	876.2	944.4	1012.6	1080.8	6.8	13.7	13.7	27.5	24.1	0.0	3.4	3.4	0.0	6.8
Concepción Buenavista	271.0	346.6	422.2	497.8	573.3	648.9	724.5	800.1	875.7	951.3	3.3	10.0	23.3	13.3	13.3	20.0	10.0	0.0	3.3	3.3
Concepción Pápalo	397.7	482.4	567.1	651.8	736.5	821.1	905.8	990.5	1075.2	1159.9	6.6	10.0	13.3	23.3	23.3	10.0	6.6	3.3	0.0	3.3
Constanza del Rosario	1456.6	1633.0	1809.4	1985.8	2162.3	2338.7	2515.1	2691.5	2867.9	3044.3	3.3	6.6	6.6	6.6	6.6	13.3	26.6	13.3	10.0	6.6
Cosolapa	823.9	961.7	1099.6	1237.4	1375.3	1513.2	1651.0	1788.9	1926.7	2064.6	5.2	5.2	21.0	15.7	26.3	10.5	5.2	0.0	5.2	5.2
Coscoatepec	363.9	399.9	435.9	471.9	507.9	544.0	580.0	616.0	652.0	688.0	9.0	18.1	0.0	18.1	27.2	9.0	0.0	0.0	9.0	9.0
Cuilapam de Guerrero	421.4	492.5	563.6	634.7	705.8	776.8	847.9	919.0	990.1	1061.2	2.6	7.8	13.1	26.3	5.2	18.4	18.4	2.6	2.6	2.6
Cuyamecalco Villa de Zaragoza	397.7	482.4	567.1	651.8	736.5	821.1	905.8	990.5	1075.2	1159.9	6.6	10.0	13.3	23.3	23.3	10.0	6.6	3.3	0.0	3.3
Chahuistas	1161.2	1333.1	1506.1	1677.0	1848.9	2020.8	2192.7	2364.6	2536.5	2708.4	10.0	20.0	20.0	16.6	3.3	10.0	0.0	10.0	3.3	6.6
Chalcatongo de Hidalgo	551.3	665.6	780.0	894.3	1008.6	1122.9	1237.2	1351.5	1465.9	1580.2	2.9	5.8	11.7	29.4	20.5	20.5	0.0	5.8	0.0	2.9
Chiquihuitán de Benito Juárez	861.0	1071.2	1281.5	1491.7	1702.0	1912.2	2122.5	2332.7	2543.0	2753.2	3.3	20.0	20.0	30.0	13.3	3.3	3.3	3.3	0.0	3.3
Eloxochitlán de Flores Magón	2230.8	2547.4	2864.0	3180.6	3497.2	3813.8	4130.4	4447.0	4763.6	5080.2	3.0	3.0	12.1	30.3	12.1	21.2	9.0	3.0	3.0	3.0
Espinal, El	672.4	777.4	882.4	987.4	1092.4	1197.3	1302.3	1407.3	1512.3	1617.3	9.7	12.1	14.6	17.0	9.7	7.3	9.7	12.1	4.8	2.4
Fresnillo de Trujano	524.6	593.3	661.9	730.5	799.2	867.8	936.4	1005.0	1073.7	1142.3	8.0	4.0	8.0	12.0	4.0	8.0	20.0	12.0	20.0	4.0
Guadalupe de Ramírez	696.8	835.4	974.0	1112.6	1251.3	1389.9	1528.5	1667.1	1805.7	1944.3	7.5	22.5	37.5	15.0	10.0	2.5	2.5	0.0	0.0	2.5
Guadalupe Etla	421.0	504.0	587.0	670.0	753.0	836.0	919.0	1002.0	1085.0	1168.0	5.5	2.7	5.5	22.2	19.4	25.0	16.6	0.0	0.0	2.7
Gueltaco de Juárez	588.9	664.1	739.3	814.5	889.8	965.0	1040.2	1115.4	1190.6	1265.8	8.3	8.3	13.8	16.6	19.4	13.8	5.5	8.3	2.7	2.7
Guevea de Humboldt	847.5	998.2	1150.9	1302.6	1454.4	1606.1	1757.8	1909.5	2061.2	2212.9	15.3	0.0	30.7	30.7	7.6	0.0	7.6	0.0	0.0	7.6
Heroica Ciudad de Ejutla de Crespo	466.9	535.1	603.3	671.5	739.8	808.0	876.2	944.4	1012.6	1080.8	6.8	13.7	13.7	27.5	24.1	0.0	3.4	3.4	0.0	6.8

Tabla C.150. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad		de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10		
	Hj(mm)	Hj(mm)	Hj(mm)	Hj(mm)	Hj(mm)	Hj(mm)	Hj(mm)	Hj(mm)	Hj(mm)	Hj(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)		
Heroica Ciudad de Hualajuapen de León	296.0	400.4	504.7	609.0	713.4	817.7	922.0	1026.3	1130.7	1235.0	4.8	0.0	2.4	9.7	31.7	31.7	7.3	2.4	7.3	2.4		
Heroica Ciudad de Tlaxiaco	586.5	692.5	798.6	904.7	1010.8	1116.8	1222.9	1329.0	1435.0	1541.1	9.0	0.0	63.6	0.0	9.0	0.0	9.0	0.0	0.0	9.0		
Huautepec	2040.1	2215.6	2391.0	2566.5	2741.9	2917.3	3092.8	3268.2	3443.7	3619.1	9.0	6.0	6.0	21.2	18.1	15.1	12.1	6.0	3.0	3.0		
Huautla de Jiménez	2040.1	2215.6	2391.0	2566.5	2741.9	2917.3	3092.8	3268.2	3443.7	3619.1	9.0	6.0	6.0	21.2	18.1	15.1	12.1	6.0	3.0	3.0		
Ixpantepec Nieves	574.4	726.6	878.8	1031.0	1183.3	1335.5	1487.7	1639.9	1792.1	1944.3	2.5	12.5	25.0	35.0	15.0	2.5	5.0	0.0	0.0	2.5		
Jatlán de Juárez	1487.8	1645.7	1803.7	1961.6	2119.6	2277.5	2435.5	2593.4	2751.3	2909.3	6.8	3.3	6.6	13.3	23.3	6.6	6.6	20.0	10.0	3.3		
Juchitán de Zaragoza	672.4	777.4	882.4	987.4	1092.4	1197.3	1302.3	1407.3	1512.3	1617.3	9.7	12.1	14.6	17.0	9.7	7.3	9.7	12.1	4.8	2.4		
Loma Bonita	2104.9	2254.0	2403.2	2552.4	2701.6	2850.7	2999.9	3149.1	3298.2	3447.4	13.3	16.6	13.3	23.3	10.0	3.3	10.0	3.3	3.3	3.3		
Magdalena Apasco	421.0	504.0	587.0	670.0	753.0	836.0	919.0	1002.0	1085.0	1168.0	5.5	2.7	5.5	22.2	19.4	25.0	16.6	0.0	0.0	2.7		
Magdalena Jaltepec	453.0	544.4	635.9	727.3	818.8	910.2	1001.7	1093.1	1184.6	1276.0	3.0	0.0	9.0	15.1	18.1	18.1	9.0	9.0	6.0	12.1		
Magdalena Mixtepec	246.1	344.5	442.8	541.2	639.5	737.8	836.2	934.5	1032.9	1131.2	3.5	0.0	10.7	7.1	39.2	7.1	17.8	7.1	3.5	3.5		
Magdalena Ocotlán	462.2	525.7	589.2	652.7	716.3	779.8	843.3	906.8	970.3	1033.8	3.4	13.7	17.2	10.3	31.0	6.8	6.8	6.8	0.0	3.4		
Magdalena Peñasco	869.8	1004.5	1139.3	1274.0	1408.8	1543.5	1678.3	1813.0	1947.8	2082.5	6.8	13.7	17.2	10.3	24.1	3.4	10.3	0.0	6.8	6.8		
Magdalena Tepicac	342.5	427.4	512.4	597.4	682.4	767.3	852.3	937.3	1022.2	1107.2	2.5	7.6	15.3	33.3	20.5	7.6	0.0	2.5	5.1	5.1		
Magdalena Tequisistlán	379.4	485.3	591.2	697.1	803.0	908.9	1014.9	1120.8	1226.7	1332.6	5.0	15.0	32.5	10.0	17.5	7.5	7.5	0.0	2.5	2.5		
Magdalena Tlacoapac	410.3	563.0	715.8	868.5	1021.3	1174.1	1326.8	1479.6	1632.3	1785.1	5.5	16.6	11.1	33.3	5.5	11.1	0.0	5.5	5.5	5.5		
Magdalena Yодоcono de Porfirio Díaz	549.4	614.9	680.5	746.0	811.5	877.0	942.5	1008.1	1073.6	1139.1	17.8	7.1	3.5	10.7	21.4	10.7	3.5	10.7	10.7	3.5		
Magdalena Zahualtán	549.4	614.9	680.5	746.0	811.5	877.0	942.5	1008.1	1073.6	1139.1	17.8	7.1	3.5	10.7	21.4	10.7	3.5	10.7	10.7	3.5		
Mariscala de Juárez	524.6	593.3	661.9	730.5	799.2	867.8	936.4	1005.0	1073.7	1142.3	8.0	4.0	8.0	12.0	4.0	8.0	20.0	12.0	20.0	4.0		
Mártires de Tecubaya	1391.3	1548.6	1705.9	1863.2	2020.5	2177.7	2335.0	2492.3	2649.6	2806.9	10.7	7.1	7.1	17.8	21.4	3.5	14.2	7.1	7.1	3.5		
Matias Romero	1258.6	1522.9	1787.1	2051.4	2315.6	2579.8	2844.1	3108.3	3372.6	3636.8	3.8	0.0	0.0	3.8	15.3	38.4	19.2	11.5	3.8	3.8		
Mazatlán Villa de Flores	2040.1	2215.6	2391.0	2566.5	2741.9	2917.3	3092.8	3268.2	3443.7	3619.1	9.0	6.0	6.0	21.2	18.1	15.1	12.1	6.0	3.0	3.0		
Mesones Hidalgo	1456.6	1633.0	1809.4	1985.8	2162.3	2338.7	2515.1	2691.5	2867.9	3044.3	3.3	6.6	6.6	6.6	6.6	13.3	26.6	13.3	10.0	6.6		
Mixtlatlán de Porfirio Díaz	466.6	529.2	591.7	654.2	716.8	779.3	841.8	904.3	966.9	1029.4	6.6	20.0	11.1	20.0	13.3	6.6	8.8	6.6	2.2	4.4		
Mixtlán de la Reforma	525.3	596.9	668.6	740.2	811.9	883.6	955.2	1026.9	1098.5	1170.2	8.3	8.3	5.5	19.4	19.4	8.3	13.8	5.5	8.3	2.7		
Monjes	433.4	495.2	556.9	618.7	680.4	742.1	803.9	865.6	927.4	989.1	9.0	6.8	25.0	13.6	15.9	11.3	4.5	6.8	4.5	2.2		
Natividad	713.7	833.6	953.4	1073.2	1193.1	1312.9	1432.7	1552.6	1672.4	1792.2	4.1	0.0	4.1	4.1	8.3	16.6	33.3	8.3	8.3	12.5		
Nazareno Etla	474.4	531.0	587.5	644.1	700.6	757.1	813.7	870.2	926.8	983.3	3.7	3.7	3.7	18.5	11.1	22.2	14.8	14.8	3.7	3.7		
Nejapa de Madero	494.0	630.6	767.3	903.9	1040.6	1177.2	1313.9	1450.5	1587.2	1723.8	15.3	0.0	7.6	30.7	7.6	15.3	15.3	0.0	0.0	7.6		
Nuevo Zoquiapam	483.6	540.5	597.5	654.4	711.4	768.3	825.3	882.2	939.2	996.1	5.7	2.8	8.5	8.5	8.5	20.0	25.7	5.7	5.7	8.5		
Oaxaca de Juárez	511.6	566.8	622.1	677.3	732.5	787.7	842.9	898.2	953.4	1008.6	12.1	9.0	21.2	6.0	15.1	21.2	3.0	6.0	3.0	3.0		
Ocotlán de Morelos	462.2	525.7	589.2	652.7	716.3	779.8	843.3	906.8	970.3	1033.8	3.4	13.7	17.2	10.3	31.0	6.8	6.8	6.8	0.0	3.4		
Pe, La	486.9	535.1	603.3	671.5	739.8	808.0	876.2	944.4	1012.6	1080.8	6.8	13.7	13.7	27.5	24.1	0.0	3.4	3.4	0.0	6.8		
Pinotepa de Don Luis	810.3	1116.5	1422.7	1728.9	2035.1	2341.2	2647.4	2953.6	3259.8	3566.0	8.3	16.6	27.7	22.2	8.3	2.7	5.5	2.7	2.7	2.7		
Pluma Hidalgo	373.4	513.3	653.3	793.2	933.2	1073.1	1213.1	1353.0	1493.0	1632.9	3.7	3.7	3.7	11.1	37.0	14.8	11.1	7.4	0.0	7.4		
Puñá Villa de Guerrero	1456.6	1633.0	1809.4	1985.8	2162.3	2338.7	2515.1	2691.5	2867.9	3044.3	3.3	6.6	6.6	6.6	6.6	13.3	26.6	13.3	10.0	6.6		
Reforma de Pineda	704.4	911.1	1117.7	1324.4	1531.0	1737.6	1944.3	2150.9	2357.6	2564.2	7.1	7.1	23.8	14.2	26.1	11.9	4.7	2.3	0.0	2.3		
Reforma, La	1428.7	1632.7	1836.8	2040.9	2245.0	2449.0	2653.1	2857.2	3061.2	3265.3	14.2	17.8	17.8	10.7	17.8	10.7	7.1	0.0	0.0	3.5		

Tabla C.150. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Reyes Etla	474.4	531.0	587.5	644.1	700.6	757.1	813.7	870.2	926.8	983.3	3.7	3.7	3.7	18.5	11.1	22.2	14.8	14.8	3.7	3.7
Rojas de Cuauhtémoc	450.0	524.0	598.1	672.2	746.2	820.3	894.4	968.5	1042.5	1116.6	8.5	2.8	22.8	31.4	11.4	5.7	14.2	0.0	0.0	2.8
Salinas Cruz	526.2	673.0	819.7	966.5	1113.3	1260.1	1406.9	1553.6	1700.4	1847.2	17.2	17.2	27.5	17.2	3.4	0.0	6.8	6.8	0.0	3.4
San Agustín Amatengo	314.5	467.2	619.8	772.5	925.1	1077.7	1230.4	1383.0	1535.7	1688.3	2.9	0.0	11.7	55.8	17.6	8.8	0.0	0.0	0.0	2.9
San Agustín Atenango	574.4	726.6	878.8	1031.0	1183.3	1335.5	1487.7	1639.9	1792.1	1944.3	2.5	12.5	25.0	35.0	15.0	2.5	5.0	0.0	0.0	2.5
San Agustín Chayuco	1018.2	1301.3	1584.4	1867.5	2150.6	2433.6	2716.7	2999.8	3282.9	3566.0	19.5	14.5	39.0	9.7	2.4	7.3	2.4	0.0	2.4	2.4
San Agustín De las Juntas	421.4	492.5	563.6	634.7	705.8	776.8	847.9	919.0	990.1	1061.2	2.6	7.6	13.1	26.3	5.2	18.4	18.4	2.6	2.6	2.6
San Agustín Etla	421.0	504.0	587.0	670.0	753.0	836.0	919.0	1002.0	1085.0	1168.0	5.5	2.7	5.5	22.2	19.4	25.0	16.6	0.0	0.0	2.7
San Agustín Loxicha	989.9	1080.9	1171.8	1262.7	1353.7	1444.6	1535.5	1626.4	1717.4	1808.3	17.2	17.2	17.2	13.7	13.7	10.3	3.4	0.0	0.0	6.8
San Agustín Tlaxiotepec	869.8	1004.5	1139.3	1274.0	1408.8	1543.5	1678.3	1813.0	1947.8	2082.5	6.8	13.7	17.2	10.3	24.1	3.4	10.3	0.0	6.8	6.8
San Agustín Yatareni	511.6	566.8	622.1	677.3	732.5	787.7	842.9	898.2	953.4	1008.6	12.1	9.0	21.2	6.0	15.1	21.2	3.0	6.0	3.0	3.0
San Andrés Cabecera Nueva	1047.2	1207.6	1367.9	1528.3	1688.7	1849.1	2009.5	2169.8	2330.2	2490.6	13.3	0.0	0.0	6.6	26.6	13.3	13.3	6.6	6.6	13.3
San Andrés Dinculúfi	473.6	523.1	572.6	622.1	671.6	721.1	770.6	820.1	869.6	919.1	5.2	5.2	10.5	26.3	5.2	21.0	10.5	5.2	0.0	10.5
San Andrés Huaxtepec	810.3	1116.5	1422.7	1728.9	2035.1	2341.2	2647.4	2953.6	3259.8	3566.0	8.3	16.6	27.7	22.2	8.3	2.7	5.5	2.7	2.7	2.7
San Andrés Huayapam	511.6	566.8	622.1	677.3	732.5	787.7	842.9	898.2	953.4	1008.6	12.1	9.0	21.2	6.0	15.1	21.2	3.0	6.0	3.0	3.0
San Andrés Ixtlahuaca	474.4	531.0	587.5	644.1	700.6	757.1	813.7	870.2	926.8	983.3	3.7	3.7	3.7	18.5	11.1	22.2	14.8	14.8	3.7	3.7
San Andrés Lagunas	329.1	384.7	440.4	496.1	551.8	607.4	663.1	718.8	774.4	830.1	7.1	10.7	0.0	7.1	10.7	28.5	7.1	10.7	3.5	14.2
San Andrés Nuxiño	453.0	544.4	635.9	727.3	818.8	910.2	1001.7	1093.1	1184.6	1276.0	3.0	0.0	9.0	15.1	18.1	18.1	9.0	9.0	6.0	12.1
San Andrés Paxtlán	1100.4	1282.9	1465.5	1648.1	1830.7	2013.2	2195.8	2378.4	2560.9	2743.5	18.1	9.0	9.0	27.2	18.1	0.0	0.0	9.0	0.0	9.0
San Andrés Sinaxtla	472.3	583.0	693.8	804.6	915.3	1026.1	1136.9	1247.7	1358.4	1469.2	7.6	0.0	11.5	7.6	15.3	15.3	15.3	7.6	11.5	7.6
San Andrés Solaga	531.2	622.5	713.8	805.1	896.4	987.8	1079.1	1170.4	1261.7	1353.0	3.4	10.3	6.8	10.3	34.4	20.6	6.8	0.0	0.0	6.8
San Andrés Teotlalpam	2729.9	2925.5	3121.2	3316.8	3512.4	3708.0	3903.6	4099.3	4294.9	4490.5	8.3	0.0	4.1	29.1	4.1	12.5	4.1	12.5	12.5	12.5
San Andrés Tepetlapa	696.8	835.4	974.0	1112.6	1251.3	1389.9	1528.5	1667.1	1805.7	1944.3	7.5	22.5	37.5	15.0	10.0	2.5	2.5	0.0	0.0	2.5
San Andrés Yaa	1081.2	1334.0	1586.8	1839.6	2092.4	2345.1	2597.9	2850.7	3103.5	3356.3	8.5	22.8	37.1	20.0	5.7	0.0	2.8	0.0	0.0	2.8
San Andrés Zabache	466.9	535.1	603.3	671.5	739.8	808.0	876.2	944.4	1012.6	1080.8	6.8	13.7	13.7	27.5	24.1	0.0	3.4	3.4	0.0	6.8
San Andrés Zautla	474.4	531.0	587.5	644.1	700.6	757.1	813.7	870.2	926.8	983.3	3.7	3.7	3.7	18.5	11.1	22.2	14.8	14.8	3.7	3.7
San Antonino Castillo Velasco	493.8	745.4	997.1	1248.7	1500.4	1752.1	2003.7	2255.4	2507.0	2758.7	20.9	58.1	9.3	6.9	0.0	2.3	0.0	0.0	0.0	2.3
San Antonino El Alto	1358.6	1521.7	1684.8	1847.9	2011.0	2174.1	2337.2	2500.3	2663.4	2826.5	6.8	3.4	6.8	3.4	24.1	20.6	27.5	0.0	3.4	3.4
San Antonino Monteverde	503.3	664.0	824.8	985.5	1146.3	1307.1	1467.8	1628.6	1789.3	1950.1	9.5	0.0	4.7	14.2	38.0	14.2	9.5	0.0	0.0	9.5
San Antonio Acuña	186.2	251.9	317.5	383.2	448.8	514.4	580.1	645.7	711.4	777.0	7.1	3.5	7.1	0.0	0.0	21.4	14.2	21.4	10.7	14.2
San Antonio De la Cal	421.4	492.5	563.6	634.7	705.8	776.8	847.9	919.0	990.1	1061.2	2.6	7.8	13.1	26.3	5.2	18.4	18.4	2.6	2.6	2.6
San Antonio Huixtlapec	1358.6	1521.7	1684.8	1847.9	2011.0	2174.1	2337.2	2500.3	2663.4	2826.5	6.8	3.4	6.8	3.4	24.1	20.6	27.5	0.0	3.4	3.4
San Antonio Nahuatipam	210.7	249.2	287.6	326.1	364.6	403.1	441.6	480.0	518.5	557.0	3.7	3.7	11.1	18.5	11.1	11.1	11.1	22.2	3.7	3.7
San Antonio Sinicahua	832.9	915.4	997.8	1080.2	1162.7	1245.1	1327.5	1409.9	1492.4	1574.8	3.3	10.0	3.3	16.6	13.3	13.3	23.3	3.3	0.0	13.3
San Antonio Tepetlapa	1391.3	1548.6	1705.9	1863.2	2020.5	2177.7	2335.0	2492.3	2649.6	2806.9	10.7	7.1	7.1	17.8	21.4	3.5	14.2	7.1	7.1	3.5
San Baltazar Chichicapam	287.6	429.8	571.9	714.0	856.2	998.3	1140.4	1282.5	1424.7	1566.8	4.5	20.4	50.0	11.3	9.0	0.0	2.2	0.0	0.0	2.2
San Baltazar Loxicha	651.2	743.9	836.6	929.3	1022.0	1114.7	1207.4	1300.1	1392.8	1485.5	15.3	7.6	15.3	7.6	15.3	0.0	7.6	15.3	7.6	7.6
San Baltazar Yatzechi el Bajo	531.2	622.5	713.8	805.1	896.4	987.8	1079.1	1170.4	1261.7	1353.0	2.7	11.1	11.1	16.6	30.5	16.6	2.7	5.5	0.0	2.7

Tabla C.150. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
San Bartolomé Ayautla	2926.9	3132.1	3337.2	3542.3	3747.5	3952.6	4157.7	4362.8	4568.0	4773.1	4.1	12.5	20.8	8.3	20.8	20.8	4.1	4.1	0.0	4.1
San Bartolomé Coyotepec	233.2	318.5	403.9	489.2	574.6	660.0	745.3	830.7	916.0	1001.4	3.5	0.0	7.1	10.7	21.4	25.0	7.1	3.5	14.2	7.1
San Bartolomé Soyatltepec	218.4	307.9	397.3	486.8	576.2	665.6	755.1	844.5	934.0	1023.4	8.3	0.0	0.0	8.3	16.6	16.6	16.6	16.6	8.3	8.3
San Bartolomé Yautatepec	594.6	721.7	848.8	975.9	1103.0	1230.0	1357.1	1484.2	1611.3	1738.4	13.7	3.4	17.2	13.7	0.0	20.6	13.7	0.0	10.3	6.8
San Bartolomé Loxicha	651.2	743.9	836.6	929.3	1022.0	1114.7	1207.4	1300.1	1392.8	1485.5	15.3	7.6	15.3	7.6	15.3	0.0	7.6	15.3	7.6	7.6
San Bartolomé Quixilana	379.6	517.0	654.5	791.9	929.4	1066.8	1204.3	1341.7	1479.2	1616.6	9.5	26.1	35.7	16.6	2.3	7.1	0.0	0.0	0.0	2.3
San Bartolomé Yucuañe	630.2	732.9	835.6	938.3	1041.0	1143.6	1246.3	1349.0	1451.7	1554.4	2.7	8.1	10.8	10.8	10.8	8.1	18.9	18.9	2.7	8.1
San Bartolomé Zoogocho	531.2	622.5	713.8	805.1	896.4	987.8	1079.1	1170.4	1261.7	1353.0	3.4	10.3	6.8	10.3	34.4	20.6	6.8	0.0	0.0	6.8
San Bernardo Mixtepec	1026.1	1130.6	1235.0	1339.4	1443.9	1548.3	1652.7	1757.1	1861.6	1966.0	10.3	3.4	27.5	13.7	10.3	24.1	0.0	3.4	3.4	3.4
San Blas Atempa	521.4	663.3	805.3	947.3	1089.3	1231.2	1373.2	1515.2	1657.1	1799.1	20.6	3.4	31.0	17.2	13.7	3.4	0.0	3.4	3.4	3.4
San Carlos Yautatepec	313.9	423.8	533.8	643.7	753.7	863.7	973.6	1083.6	1193.5	1303.5	2.2	0.0	13.3	11.1	15.5	15.5	17.7	8.8	6.8	8.8
San Cristóbal Amatlán	449.9	544.4	638.8	733.2	827.6	922.1	1016.5	1110.9	1205.4	1299.8	6.8	18.1	9.0	13.6	13.6	15.9	13.6	2.2	2.2	4.5
San Cristóbal Amoltepec	869.8	1004.5	1139.3	1274.0	1408.8	1543.5	1678.3	1813.0	1947.8	2082.5	6.8	13.7	17.2	10.3	24.1	3.4	10.3	0.0	6.8	6.8
San Cristóbal Lachirioag	531.2	622.5	713.8	805.1	896.4	987.8	1079.1	1170.4	1261.7	1353.0	3.4	10.3	6.8	10.3	34.4	20.6	6.8	0.0	0.0	6.8
San Cristóbal Suchbatahuaca	351.8	399.0	446.3	493.5	540.8	588.0	635.3	682.5	729.8	777.0	5.0	25.0	0.0	10.0	15.0	20.0	0.0	0.0	10.0	15.0
San Dionisio del Mar	553.8	696.1	838.5	980.8	1123.2	1265.6	1407.9	1550.3	1692.6	1835.0	8.5	19.1	10.6	12.7	21.2	10.6	4.2	2.1	6.3	4.2
San Dionisio Ocotepec	201.9	258.3	314.6	371.0	427.4	483.8	540.2	596.5	652.9	709.3	2.2	6.6	8.8	13.3	17.7	17.7	13.3	13.3	2.2	4.4
San Dionisio Occotlán	482.2	525.7	589.2	652.7	716.3	779.8	843.3	906.8	970.3	1033.8	3.4	13.7	17.2	10.3	31.0	6.8	6.8	6.8	0.0	3.4
San Esteban Atlatlahuca	749.4	862.8	976.3	1089.7	1203.1	1316.5	1429.9	1543.4	1656.8	1770.2	3.2	0.0	0.0	3.2	9.6	3.2	16.1	29.0	22.5	12.9
San Felipe Jalapa de Díaz	2926.9	3132.1	3337.2	3542.3	3747.5	3952.6	4157.7	4362.8	4568.0	4773.1	4.1	12.5	20.8	8.3	20.8	20.8	4.1	4.1	0.0	4.1
San Felipe Tejalpam	474.4	531.0	587.5	644.1	700.6	757.1	813.7	870.2	926.8	983.3	3.7	3.7	3.7	18.5	11.1	22.2	14.8	14.8	3.7	3.7
San Felipe Usila	2729.9	2925.5	3121.2	3316.8	3512.4	3708.0	3903.6	4099.3	4294.9	4490.5	8.3	0.0	4.1	29.1	4.1	12.5	4.1	12.5	12.5	12.5
San Francisco Cahuaacué	531.4	662.9	794.3	925.7	1057.2	1188.6	1320.0	1451.4	1582.9	1714.3	3.1	3.1	3.1	9.3	15.6	28.1	21.8	0.0	12.5	3.1
San Francisco Cajonos	366.0	422.6	479.1	535.7	592.2	648.7	705.3	761.8	818.4	874.9	9.0	0.0	18.1	0.0	18.1	9.0	8.0	18.1	0.0	18.1
San Francisco Chapulapa	861.0	1071.2	1281.5	1491.7	1702.0	1912.2	2122.5	2332.7	2543.0	2753.2	3.3	20.0	20.0	30.0	13.3	3.3	3.3	3.3	0.0	3.3
San Francisco Chindúa	472.3	583.0	693.8	804.6	915.3	1026.1	1136.9	1247.7	1358.4	1469.2	7.6	0.0	11.5	7.6	15.3	15.3	15.3	7.6	11.5	7.6
San Francisco Del Mar	816.4	918.5	1020.6	1122.7	1224.9	1327.0	1429.1	1531.2	1633.3	1735.4	9.0	9.0	27.2	18.1	9.0	0.0	9.0	0.0	9.0	9.0
San Francisco Huehuetlán	2230.8	2547.4	2864.0	3180.6	3497.2	3813.8	4130.4	4447.0	4763.6	5080.2	3.0	3.0	12.1	30.3	12.1	21.2	9.0	3.0	3.0	3.0
San Francisco huatlán	535.5	653.2	770.8	888.4	1006.1	1123.7	1241.3	1358.9	1476.6	1594.2	9.0	27.2	9.0	18.1	0.0	0.0	18.1	0.0	0.0	18.1
San Francisco Jaltepetongo	549.4	614.9	680.5	746.0	811.6	877.0	942.5	1008.1	1073.6	1139.1	17.8	7.1	3.5	10.7	21.4	10.7	3.5	10.7	10.7	3.5
San Francisco Lachigolá	450.0	524.0	598.1	672.2	746.2	820.3	894.4	968.5	1042.5	1116.6	8.5	2.8	22.8	31.4	11.4	5.7	14.2	0.0	0.0	2.8
San Francisco Loqueche	449.9	544.4	638.8	733.2	827.6	922.1	1016.5	1110.9	1205.4	1299.8	6.8	18.1	9.0	13.6	13.6	15.9	13.6	2.2	2.2	4.5
San Francisco Nuxaño	549.4	614.9	680.5	746.0	811.6	877.0	942.5	1008.1	1073.6	1139.1	17.8	7.1	3.5	10.7	21.4	10.7	3.5	10.7	10.7	3.5
San Francisco Ozolotepec	818.5	991.3	1164.0	1336.7	1509.5	1682.2	1854.9	2027.6	2200.4	2373.1	3.5	21.4	25.0	17.8	10.7	7.1	10.7	0.0	0.0	3.5
San Francisco Soles	314.5	467.2	619.8	772.5	925.1	1077.7	1230.4	1383.0	1535.7	1688.3	2.9	0.0	11.7	55.8	17.6	8.8	0.0	0.0	0.0	2.9
San Francisco Teibatahuaca	335.1	397.3	459.4	521.6	583.8	646.0	708.2	770.3	832.5	894.7	3.4	3.4	10.3	24.1	6.8	20.6	6.8	6.8	10.3	6.8
San Francisco Teopán	361.3	437.1	512.8	588.5	664.3	740.0	815.7	891.4	967.2	1042.9	4.0	16.0	0.0	16.0	8.0	20.0	16.0	8.0	4.0	8.0
San Francisco Tlapancingo	696.8	835.4	974.0	1112.6	1251.3	1389.9	1528.5	1667.1	1805.7	1944.3	7.5	22.5	17.5	15.0	10.0	2.5	2.5	0.0	0.0	2.5

Tabla C.150. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
San Gabriel Mixtepec	651.2	743.9	836.6	929.3	1022.0	1114.7	1207.4	1300.1	1392.8	1485.5	15.3	7.6	15.3	7.6	15.3	0.0	7.6	15.3	7.6	7.6
San Idefonso Amatlán	1100.4	1282.9	1465.5	1648.1	1830.7	2013.2	2195.8	2378.4	2560.9	2743.5	18.1	9.0	9.0	27.2	18.1	0.0	0.0	9.0	0.0	9.0
San Idefonso Sola	1022.8	1115.8	1208.8	1301.8	1394.8	1487.8	1580.8	1673.8	1766.8	1859.8	6.8	6.8	6.8	17.2	31.0	17.2	3.4	3.4	0.0	6.8
San Idefonso Villa Alta	1081.2	1334.0	1586.8	1839.6	2092.4	2345.1	2597.9	2850.7	3103.5	3356.3	8.5	22.8	37.1	20.0	5.7	0.0	2.8	0.0	0.0	2.8
San Jacinto Amilpas	421.0	504.0	587.0	670.0	753.0	836.0	919.0	1002.0	1085.0	1168.0	2.8	2.8	2.8	28.5	14.2	25.7	14.2	2.8	2.8	2.8
San Jacinto Tlacoatepec	1358.6	1521.7	1684.8	1847.9	2011.0	2174.1	2337.2	2500.3	2663.4	2826.5	6.8	6.4	6.8	3.4	24.1	20.6	27.5	0.0	3.4	3.4
San Jerónimo Coatlán	616.0	735.2	854.3	973.5	1092.6	1211.7	1330.9	1450.0	1569.2	1688.3	14.7	11.7	26.4	38.2	2.9	2.9	0.0	0.0	0.0	2.9
San Jerónimo Silacayoapilla	150.1	252.5	354.9	457.3	559.6	662.0	764.4	866.8	969.2	1071.6	5.5	0.0	0.0	0.0	11.1	16.6	16.6	16.6	22.2	11.1
San Jerónimo Sosola	499.9	585.4	671.0	756.5	842.0	927.5	1013.0	1098.6	1184.1	1269.6	12.9	19.3	19.3	16.1	16.1	6.4	6.4	0.0	0.0	3.2
San Jerónimo Taviche	287.6	429.8	571.9	714.0	856.2	998.3	1140.4	1282.5	1424.7	1566.8	4.5	20.4	50.0	11.3	9.0	0.0	2.2	0.0	0.0	2.2
San Jerónimo Tecoatl	2230.8	2547.4	2864.0	3180.6	3497.2	3813.8	4130.4	4447.0	4763.6	5080.2	3.0	3.0	12.1	30.3	12.1	21.2	9.0	3.0	3.0	3.0
San Jerónimo Tlacochohuaya	214.7	283.8	353.0	422.1	491.3	560.4	629.6	698.7	767.8	837.0	4.5	2.2	11.3	20.4	20.4	13.6	2.2	2.2	2.2	2.2
San Jorge Nuchita	515.8	575.6	635.4	695.2	754.9	814.7	874.5	934.3	994.1	1053.9	4.0	4.0	8.0	12.0	4.0	12.0	16.0	12.0	12.0	16.0
San José Ayuquila	296.0	400.4	504.7	609.0	713.4	817.7	922.0	1026.3	1130.7	1235.0	4.8	2.4	0.0	12.1	26.8	24.3	14.6	4.8	7.3	2.4
San José Chiltepec	2231.5	2437.1	2642.6	2848.2	3053.8	3259.4	3465.0	3670.5	3876.1	4081.7	5.5	13.8	19.4	5.5	11.1	16.6	11.1	11.1	0.0	5.5
San José del Peñasco	1100.4	1282.9	1465.5	1648.1	1830.7	2013.2	2195.8	2378.4	2560.9	2743.5	18.1	9.0	9.0	27.2	18.1	0.0	0.0	9.0	0.0	9.0
San José del Progreso	466.9	535.1	603.3	671.5	739.8	808.0	876.2	944.4	1012.6	1080.8	6.8	13.7	13.7	27.5	24.1	0.0	3.4	3.4	0.0	6.8
San José Estancia Grande	1391.3	1548.6	1705.9	1863.2	2020.5	2177.7	2335.0	2492.3	2649.6	2806.9	10.7	7.1	7.1	17.8	21.4	3.5	14.2	7.1	7.1	3.5
San José Independencia	3027.6	3441.2	3854.7	4268.3	4681.8	5095.3	5508.9	5922.4	6336.0	6749.5	3.0	9.0	6.0	24.2	21.2	15.1	6.0	12.1	0.0	3.0
San José Lachiguiri	449.9	544.4	638.8	733.2	827.6	922.1	1016.5	1110.9	1205.4	1299.8	6.8	18.1	9.0	13.6	13.6	15.9	13.6	2.2	2.2	4.6
San José Tenango	3095.9	3361.2	3626.6	3891.9	4157.3	4422.7	4688.0	4953.4	5218.7	5484.1	12.5	4.1	8.3	8.3	25.0	16.6	8.3	12.5	0.0	4.1
San Juan Achiutla	417.4	492.2	567.1	641.9	716.8	791.7	866.5	941.4	1016.2	1091.1	5.2	10.5	15.7	10.5	31.5	10.5	0.0	10.5	0.0	5.2
San Juan Atepec	534.3	615.7	697.0	778.3	859.7	941.0	1022.3	1103.6	1185.0	1266.3	6.6	3.9	0.0	20.0	20.0	23.3	6.6	0.0	10.0	10.0
San Juan Bautista Atlatlahuca	303.0	353.5	403.9	454.3	504.8	555.2	605.6	656.0	706.5	756.9	6.6	20.0	16.6	10.0	16.6	10.0	6.6	3.3	3.3	6.6
San Juan Bautista Coxtlahuaca	203.5	285.5	367.4	449.4	531.3	613.2	695.2	777.1	859.1	941.0	2.6	2.6	15.7	15.7	21.0	21.0	13.1	5.2	0.0	2.6
San Juan Bautista Cuicatlán	291.5	377.0	462.4	547.9	633.3	718.7	804.2	889.6	975.1	1060.5	5.1	10.2	28.2	33.3	12.8	2.5	2.5	2.5	0.0	2.5
San Juan Bautista Guelache	421.0	504.0	587.0	670.0	753.0	836.0	919.0	1002.0	1085.0	1168.0	5.5	2.7	5.5	22.2	19.4	25.0	16.6	0.0	0.0	2.7
San Juan Bautista Jayacatlán	438.0	526.0	614.0	702.0	790.0	878.0	966.0	1054.0	1142.0	1230.0	12.5	8.3	16.6	33.3	8.3	0.0	12.5	4.1	0.0	4.1
San Juan Bautista Jo de Soto	1391.3	1548.6	1705.9	1863.2	2020.5	2177.7	2335.0	2492.3	2649.6	2806.9	10.7	7.1	7.1	17.8	21.4	3.5	14.2	7.1	7.1	3.5
San Juan Bautista Suchitepec	355.2	421.5	487.7	553.9	620.2	686.4	752.6	818.8	885.1	951.3	5.8	8.8	11.7	17.6	14.7	17.6	11.7	5.8	0.0	5.8
San Juan Bautista Tlacoatzintepec	2729.9	2925.5	3121.2	3316.8	3512.4	3708.0	3903.6	4099.3	4294.9	4490.5	8.3	0.0	4.1	29.1	4.1	12.5	4.1	12.5	12.5	12.5
San Juan Bautista Tlaxichilco	696.8	835.4	974.0	1112.6	1251.3	1389.9	1528.5	1667.1	1805.7	1944.3	7.5	22.5	37.5	15.0	10.0	2.5	2.5	0.0	0.0	2.5
San Juan Bautista Tuxtepec	1162.9	1445.9	1728.9	2011.9	2295.0	2578.0	2861.0	3144.0	3427.0	3710.0	5.4	5.4	0.0	10.8	18.9	24.3	16.2	16.2	0.0	2.7
San Juan Bautista Valle Nacional	2868.4	3094.2	3320.1	3545.9	3771.8	3997.6	4223.5	4449.3	4675.2	4901.0	8.3	12.5	8.3	20.8	16.6	8.3	8.3	12.5	0.0	4.1
San Juan Cacahuatepec	1391.3	1548.6	1705.9	1863.2	2020.5	2177.7	2335.0	2492.3	2649.6	2806.9	10.7	7.1	7.1	17.8	21.4	3.5	14.2	7.1	7.1	3.5
San Juan Cieneguilla	696.8	835.4	974.0	1112.6	1251.3	1389.9	1528.5	1667.1	1805.7	1944.3	7.5	22.5	37.5	15.0	10.0	2.5	2.5	0.0	0.0	2.5
San Juan Coatzacoapam	2149.0	2447.9	2746.8	3045.7	3344.6	3643.5	3942.4	4241.3	4540.2	4839.1	4.1	8.3	8.3	4.1	20.8	33.3	8.3	8.3	0.0	4.1
San Juan Colorado	1018.2	1301.3	1584.4	1867.5	2150.6	2433.6	2716.7	2999.8	3282.9	3566.0	19.5	14.6	39.0	9.7	2.4	7.3	2.4	0.0	2.4	2.4

Tabla C.150. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
San Juan Comaltepec	1439.5	1675.6	1911.6	2147.7	2383.7	2619.7	2855.8	3091.8	3327.9	3563.9	12.1	3.0	3.0	3.0	0.0	24.2	15.1	9.0	15.1	15.1
San Juan Cotzacoán	713.0	948.7	1184.4	1420.1	1655.9	1891.6	2127.3	2363.0	2598.7	2834.4	3.0	3.0	6.0	0.0	6.0	27.2	33.3	12.1	3.0	6.0
San Juan Chicomezúchil	588.9	664.1	739.3	814.5	889.8	965.0	1040.2	1115.4	1190.6	1265.8	8.3	8.3	13.8	16.6	19.4	13.8	5.5	8.3	2.7	2.7
San Juan Chiltepec	493.8	745.4	997.1	1248.7	1500.4	1752.1	2003.7	2255.4	2507.0	2758.7	20.9	58.1	9.3	6.9	0.0	2.3	0.0	0.0	0.0	2.3
San Juan De los Cues	831.6	951.7	1071.8	1191.9	1312.0	1432.0	1552.1	1672.2	1792.3	1912.4	9.0	0.0	9.0	9.0	0.0	9.0	9.0	9.0	27.2	18.1
San Juan Del Estado	459.0	544.6	630.3	716.0	801.6	887.3	973.0	1058.7	1144.3	1230.0	8.6	17.3	17.3	8.6	13.0	4.3	13.0	8.6	0.0	8.6
San Juan Del Río	1172.1	1410.9	1649.7	1888.5	2127.3	2366.0	2604.8	2843.6	3082.4	3321.2	8.8	2.9	14.7	11.7	20.5	11.7	8.8	8.8	2.9	8.8
San Juan Dixú	630.2	732.9	835.6	938.3	1041.0	1143.6	1246.3	1349.0	1451.7	1554.4	2.7	8.1	10.8	10.8	10.8	8.1	18.9	18.9	2.7	8.1
San Juan Evangelista Anasco	534.3	615.7	697.0	778.3	859.7	941.0	1022.3	1103.6	1185.0	1266.3	6.6	3.3	0.0	20.0	20.0	23.3	6.6	0.0	10.0	10.0
San Juan Guelavia	339.9	422.3	504.7	587.1	669.4	751.8	834.2	916.6	999.0	1081.4	7.1	7.1	25.0	28.5	14.2	10.7	0.0	3.5	0.0	3.5
San Juan Guichicovi	1929.4	2057.3	2185.2	2313.1	2441.1	2569.0	2696.9	2824.8	2952.7	3080.6	6.8	3.4	10.3	17.2	6.8	10.3	17.2	6.8	10.3	10.3
San Juan Ihuatpec	696.8	835.4	974.0	1112.6	1251.3	1389.9	1528.5	1667.1	1805.7	1944.3	7.5	22.5	37.5	15.0	10.0	2.5	2.5	0.0	0.0	2.5
San Juan Juquila Mixes	849.6	1296.5	1743.3	2190.1	2637.0	3083.8	3530.6	3977.4	4424.3	4871.1	5.8	2.9	8.8	11.7	20.5	26.4	11.7	8.8	0.0	2.9
San Juan Juquila Vijanos	1078.0	1194.8	1311.5	1428.3	1545.0	1661.7	1778.5	1895.2	2012.0	2128.7	4.1	-4.1	0.0	20.8	8.3	16.6	20.8	12.6	4.1	8.3
San Juan Lachao	790.8	894.5	998.3	1102.1	1205.9	1309.6	1413.4	1517.2	1620.9	1724.7	6.8	0.0	10.3	13.7	24.1	24.1	10.3	6.8	0.0	3.4
San Juan Lachigalla	458.0	591.2	724.4	857.6	990.9	1124.1	1257.3	1390.5	1523.7	1656.9	13.9	32.5	10.2	16.2	2.3	2.3	0.0	0.0	0.0	2.3
San Juan Lajarcia	302.7	401.5	500.3	599.1	697.9	796.7	895.5	994.3	1093.1	1191.9	2.2	6.6	13.3	13.3	20.0	13.3	6.6	15.5	4.4	4.4
San Juan Lalana	1613.9	1840.9	2067.8	2294.8	2521.7	2748.6	2975.6	3202.5	3429.5	3866.4	5.7	0.0	11.4	11.4	5.7	17.1	14.2	17.1	5.7	11.4
San Juan Mazatlán	1960.4	2099.4	2238.4	2377.4	2516.3	2655.3	2794.3	2933.3	3072.3	3211.3	10.3	13.7	17.2	20.6	3.4	6.8	0.0	6.8	13.7	6.8
San Juan Mixtepec	816.6	937.1	1057.7	1178.2	1298.8	1419.3	1539.9	1660.4	1781.0	1901.5	3.4	13.7	20.6	20.6	13.7	10.3	0.0	3.4	6.8	6.8
San Juan Mixtepec	392.4	457.4	522.4	587.4	652.4	717.3	782.3	847.3	912.3	977.3	8.0	8.0	16.0	20.0	20.0	8.0	12.0	0.0	4.0	4.0
San Juan Numi	383.3	439.2	495.1	551.0	606.9	662.8	718.7	774.6	830.5	886.4	8.0	4.0	24.0	8.0	8.0	28.0	12.0	4.0	0.0	4.0
San Juan Ozolotepec	816.6	937.1	1057.7	1178.2	1298.8	1419.3	1539.9	1660.4	1781.0	1901.5	3.4	13.7	20.6	20.6	13.7	10.3	0.0	3.4	6.8	6.8
San Juan Pettapa	491.5	548.9	606.3	663.7	721.2	778.6	836.0	893.4	950.8	1008.2	13.3	6.6	6.6	0.0	13.3	26.6	6.6	20.0	0.0	6.6
San Juan Quiahije	808.4	939.5	1070.7	1201.8	1333.0	1464.2	1595.3	1726.5	1857.6	1988.8	2.6	2.6	5.2	2.6	13.1	39.4	26.3	2.6	2.6	2.6
San Juan Quiotepec	868.1	982.4	1096.8	1211.1	1325.5	1439.8	1554.2	1668.5	1782.8	1897.2	10.0	0.0	6.0	25.0	20.0	10.0	15.0	0.0	10.0	5.0
San Juan Sayulitepec	472.3	583.0	693.8	804.6	915.3	1026.1	1136.9	1247.7	1358.4	1469.2	7.6	0.0	11.5	7.6	15.3	15.3	15.3	7.6	11.5	7.6
San Juan Tabá	531.2	622.5	713.8	805.1	896.4	987.8	1079.1	1170.4	1261.7	1353.0	3.4	10.3	6.8	10.3	34.4	20.6	6.8	0.0	0.0	6.8
San Juan Tamazola	630.2	732.9	835.6	938.3	1041.0	1143.6	1246.3	1349.0	1451.7	1554.4	2.7	8.1	10.8	10.8	10.8	8.1	18.9	18.9	2.7	8.1
San Juan Teiá	551.3	665.6	780.0	894.3	1008.6	1122.9	1237.2	1351.6	1465.9	1580.2	2.9	0.0	2.9	5.8	11.7	23.5	17.6	17.6	5.8	11.7
San Juan Teitipac	342.5	427.4	512.4	597.4	682.4	767.3	852.3	937.3	1022.2	1107.2	2.5	7.6	15.3	33.3	20.5	7.6	0.0	2.5	5.1	5.1
San Juan Tepexiá	311.6	415.7	519.9	624.0	728.2	832.3	936.4	1040.6	1144.8	1248.9	2.9	5.8	0.0	11.7	23.5	35.2	0.0	14.7	0.0	5.8
San Juan Teposcolula	337.0	400.5	464.1	527.6	591.2	654.8	718.3	781.9	845.4	909.0	7.1	3.5	7.1	3.5	21.4	17.8	14.2	3.5	14.2	7.1
San Juan Yacé	1596.0	1724.3	1852.7	1981.0	2109.3	2237.7	2366.0	2494.4	2622.7	2751.1	6.6	6.6	13.3	10.0	20.0	6.6	20.0	0.0	3.3	13.3
San Juan Yatzone	1596.0	1724.3	1852.7	1981.0	2109.3	2237.7	2366.0	2494.4	2622.7	2751.1	6.6	6.6	13.3	10.0	20.0	6.6	20.0	0.0	3.3	13.3
San Juan Yucuita	472.3	583.0	693.8	804.6	915.3	1026.1	1136.9	1247.7	1358.4	1469.2	7.6	0.0	11.5	7.6	15.3	15.3	15.3	7.6	11.5	7.6
San Lorenzo	810.3	1116.5	1422.7	1728.9	2035.1	2341.2	2647.4	2953.6	3259.8	3566.0	8.3	16.6	27.7	22.2	8.3	2.7	5.5	2.7	2.7	2.7
San Lorenzo Albarradas	314.7	425.6	536.4	647.3	758.1	868.9	979.8	1090.6	1201.5	1312.3	2.2	2.2	15.5	17.7	17.7	22.2	4.4	8.8	4.4	4.4

Tabla C.150. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
San Lorenzo Cacaotepec	421.0	504.0	587.0	670.0	753.0	836.0	919.0	1002.0	1085.0	1168.0	2.8	2.8	2.8	28.5	14.2	25.7	14.2	2.8	2.8	2.8
San Lorenzo Cuauacuitilla	2230.8	2547.4	2864.0	3180.6	3497.2	3813.8	4130.4	4447.0	4763.6	5080.2	3.0	3.0	12.1	30.3	12.1	21.2	9.0	3.0	3.0	3.0
San Lorenzo Texmelucan	1358.6	1521.7	1684.8	1847.9	2011.0	2174.1	2337.2	2500.3	2663.4	2826.5	6.8	3.4	6.8	3.4	24.1	20.6	27.5	0.0	3.4	3.4
San Lorenzo Victoria	515.8	575.6	635.4	695.2	754.9	814.7	874.5	934.3	994.1	1053.9	4.0	4.0	8.0	12.0	4.0	12.0	16.0	12.0	12.0	16.0
San Lucas Camollán	597.4	850.3	1103.3	1356.2	1609.1	1862.0	2114.9	2367.9	2620.8	2873.7	3.7	3.7	7.4	7.4	18.5	29.6	7.4	18.5	0.0	3.7
San Lucas Ojitlán	2387.5	2749.1	3110.8	3472.4	3834.0	4195.6	4557.2	4918.9	5280.5	5642.1	2.7	2.7	11.1	16.6	22.2	27.7	11.1	0.0	2.7	2.7
San Lucas Quiavini	379.6	517.0	654.5	791.9	929.4	1066.8	1204.3	1341.7	1479.2	1616.6	9.5	26.1	35.7	16.6	2.3	7.1	0.0	0.0	0.0	2.3
San Lucas Zoquiapam	2040.1	2215.6	2391.0	2566.5	2741.9	2917.3	3092.8	3268.2	3443.7	3619.1	9.0	6.0	6.0	21.2	18.1	15.1	12.1	6.0	3.0	3.0
San Luis Amatlán	374.1	437.3	500.6	563.8	627.1	690.3	753.6	816.8	880.1	943.3	9.3	2.3	13.9	20.9	18.6	11.6	6.9	0.0	6.9	9.3
San Marcial Ozolotepec	852.8	982.9	1113.0	1243.1	1373.2	1503.2	1633.3	1763.4	1893.5	2023.6	3.4	6.8	27.5	24.1	20.6	10.3	0.0	3.4	0.0	3.4
San Marcos Arteaga	552.2	680.2	808.1	936.1	1064.0	1191.9	1319.9	1447.8	1575.8	1703.7	3.7	0.0	7.4	14.8	37.0	14.8	14.8	0.0	3.7	3.7
San Martín de los Cansecos	466.9	535.1	603.3	671.5	739.8	808.0	876.2	944.4	1012.6	1080.8	6.8	13.7	13.7	27.5	24.1	0.0	3.4	3.4	0.0	6.8
San Martín Huamantla	417.4	492.2	567.1	641.9	716.8	791.7	866.5	941.4	1016.2	1091.1	5.2	10.5	15.7	10.5	31.5	10.5	0.0	10.5	0.0	5.2
San Martín Itunyoso	392.4	457.4	522.4	587.4	652.4	717.3	782.3	847.3	912.3	977.3	8.0	8.0	16.0	20.0	20.0	8.0	12.0	0.0	4.0	4.0
San Martín Lachilá	466.9	535.1	603.3	671.5	739.8	808.0	876.2	944.4	1012.6	1080.8	6.8	13.7	13.7	27.5	24.1	0.0	3.4	3.4	0.0	6.8
San Martín Peras	574.4	726.6	878.8	1031.0	1183.3	1335.5	1487.7	1639.9	1792.1	1944.3	2.5	12.5	25.0	35.0	15.0	2.5	5.0	0.0	0.0	2.5
San Martín Tilcajete	493.8	745.4	997.1	1248.7	1500.4	1752.1	2003.7	2255.4	2507.0	2758.7	20.9	5.1	9.3	6.9	0.0	2.3	0.0	0.0	0.0	2.3
San Martín Tuxpalán	831.6	951.7	1071.8	1191.9	1312.0	1432.0	1552.1	1672.2	1792.3	1912.4	9.0	9.0	9.0	9.0	0.0	9.0	9.0	9.0	27.2	18.1
San Martín Zacatepec	141.2	234.6	328.1	421.5	515.0	608.5	701.9	795.4	888.8	982.3	5.2	0.0	0.0	0.0	5.2	21.0	10.5	26.3	26.3	5.2
San Mateo Cajonos	434.1	504.4	574.7	645.0	715.3	785.5	855.8	926.1	996.4	1066.7	9.0	0.0	0.0	18.1	27.2	18.1	9.0	0.0	0.0	18.1
San Mateo del Mar	535.5	653.2	770.8	888.4	1006.1	1123.7	1241.3	1358.9	1476.6	1594.2	9.0	27.2	9.0	18.1	0.0	0.0	18.1	0.0	0.0	18.1
San Mateo Etlatongo	549.4	614.9	680.5	746.0	811.5	877.0	942.5	1008.1	1073.6	1139.1	17.8	7.1	3.5	10.7	21.4	10.7	3.5	10.7	10.7	3.5
San Mateo Nejapam	696.8	835.4	974.0	1112.6	1251.3	1389.9	1528.5	1667.1	1805.7	1944.3	7.5	22.5	37.5	15.0	10.0	2.5	2.5	0.0	0.0	2.5
San Mateo Peñasco	551.3	665.6	780.0	894.3	1008.6	1122.9	1237.2	1351.6	1465.9	1580.2	2.9	0.0	2.9	5.8	11.7	23.5	17.6	17.6	5.8	11.7
San Mateo Peñas	400.9	631.3	861.7	1092.1	1322.5	1552.9	1783.3	2013.7	2244.1	2474.5	5.8	0.0	5.8	11.7	36.2	5.8	17.6	11.7	0.0	5.8
San Mateo Río Hondo	1100.4	1282.9	1465.5	1648.1	1830.7	2013.2	2195.8	2378.4	2560.9	2743.5	18.1	9.0	9.0	27.2	18.1	0.0	0.0	9.0	0.0	9.0
San Mateo Sindihui	789.8	870.0	950.2	1030.4	1110.6	1190.8	1271.0	1351.2	1431.4	1511.6	10.0	3.3	6.6	16.6	13.3	13.3	3.3	6.6	13.3	10.0
San Mateo Tilapitepec	292.2	385.9	479.7	573.4	667.2	761.0	854.7	948.5	1042.2	1136.0	3.8	7.6	19.2	26.9	11.5	11.5	7.6	3.8	3.8	3.8
San Mateo Yoloxochitlán	2230.8	2547.4	2864.0	3180.6	3497.2	3813.8	4130.4	4447.0	4763.6	5080.2	3.0	3.0	12.1	30.3	12.1	21.2	9.0	3.0	3.0	3.0
San Melchor Betaza	1081.2	1334.0	1586.8	1839.6	2092.4	2345.1	2597.9	2850.7	3103.5	3356.3	8.5	21.8	37.1	20.0	5.7	0.0	2.8	0.0	0.0	2.8
San Miguel Achiutla	417.4	492.2	567.1	641.9	716.8	791.7	866.5	941.4	1016.2	1091.1	5.2	10.5	15.7	10.5	31.5	10.5	0.0	10.5	0.0	5.2
San Miguel Ahuehuettlán	696.8	835.4	974.0	1112.6	1251.3	1389.9	1528.5	1667.1	1805.7	1944.3	7.5	22.5	37.5	15.0	10.0	2.5	2.5	0.0	0.0	2.5
San Miguel Aloápam	480.2	567.1	654.0	740.9	827.8	914.7	1001.6	1088.5	1175.4	1262.3	8.5	5.7	20.0	22.8	14.2	17.1	0.0	2.8	2.8	5.7
San Miguel Amstilán	524.6	593.3	661.9	730.5	799.2	867.8	936.4	1005.0	1073.7	1142.3	8.0	4.0	8.0	12.0	4.0	8.0	20.0	12.0	20.0	4.0
San Miguel Amatlán	712.2	777.1	842.1	907.0	971.9	1036.8	1101.7	1166.6	1231.6	1296.5	6.6	13.3	3.3	6.6	10.0	20.0	10.0	6.6	13.3	10.0
San Miguel Coatlán	1100.4	1282.9	1465.5	1648.1	1830.7	2013.2	2195.8	2378.4	2560.9	2743.5	18.1	9.0	9.0	27.2	18.1	0.0	0.0	9.0	0.0	9.0
San Miguel Chicahua	206.5	276.5	346.4	416.4	486.4	556.4	626.4	696.3	766.3	836.3	4.1	4.1	8.3	16.6	25.0	12.5	12.5	8.3	4.1	4.1
San Miguel Chimalapa	587.4	716.1	844.8	973.5	1102.2	1230.8	1359.5	1488.2	1616.9	1745.6	12.0	8.0	12.0	4.0	36.0	12.0	8.0	4.0	0.0	4.0

Tabla C.150. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
San Sebastián Nicananduta	503.3	664.0	824.8	985.5	1146.3	1307.1	1467.8	1628.6	1789.3	1950.1	9.5	0.0	4.7	14.2	38.0	14.2	9.5	0.0	0.0	9.5
San Sebastián Río Hondo	1100.4	1282.9	1465.5	1648.1	1830.7	2013.2	2195.8	2378.4	2560.9	2743.5	18.1	9.0	9.0	27.2	18.1	0.0	0.0	0.0	0.0	9.0
San Sebastián Tecmacuilahuaca	462.0	644.1	826.3	1008.4	1190.6	1372.7	1554.9	1737.0	1919.2	2101.3	3.8	3.8	3.8	23.0	42.3	11.5	3.8	0.0	3.8	3.8
San Sebastián Tlaxipac	450.0	524.0	598.1	672.2	746.2	820.3	894.4	968.5	1042.5	1116.6	8.5	2.8	22.8	31.4	11.4	5.7	14.2	0.0	0.0	2.8
San Sebastián Tutla	511.6	566.8	622.1	677.3	732.5	787.7	842.9	898.2	953.4	1008.6	12.1	9.0	21.2	6.0	15.1	21.2	3.0	6.0	3.0	3.0
San Simón Almolongas	466.6	529.2	591.7	654.2	716.8	779.3	841.8	904.3	966.9	1029.4	6.6	20.0	11.1	20.0	13.3	6.6	8.8	6.6	2.2	4.4
San Simón Zahuatlán	524.6	593.3	661.9	730.5	799.2	867.8	936.4	1005.0	1073.7	1142.3	8.0	4.0	8.0	12.0	4.0	8.0	20.0	12.0	20.0	4.0
San Vicente Coatlán	314.5	467.2	619.8	772.5	925.1	1077.7	1230.4	1383.0	1535.7	1688.3	2.9	0.0	11.7	55.8	17.6	8.8	0.0	0.0	0.0	2.9
San Vicente Lachúlo	1022.8	1115.8	1208.8	1301.8	1394.8	1487.8	1580.8	1673.8	1766.8	1859.8	6.8	6.8	6.8	17.2	31.0	17.2	3.4	3.4	0.0	6.8
San Vicente Nulu	549.4	614.9	680.5	746.0	811.5	877.0	942.5	1008.1	1073.6	1139.1	17.8	7.1	3.5	10.7	21.4	10.7	3.5	10.7	10.7	3.5
Santa Ana	466.6	529.2	591.7	654.2	716.8	779.3	841.8	904.3	966.9	1029.4	6.6	20.0	11.1	20.0	13.3	6.6	8.8	6.6	2.2	4.4
Santa Ana Ateixtlahuaca	2230.8	2547.4	2864.0	3180.6	3497.2	3813.8	4130.4	4447.0	4763.6	5080.2	3.0	3.0	12.1	30.3	12.1	21.2	9.0	3.0	3.0	3.0
Santa Ana Cuauhtémoc	861.0	1071.2	1281.5	1491.7	1702.0	1912.2	2122.5	2332.7	2543.0	2753.2	3.3	20.0	20.0	30.0	13.3	3.3	3.3	3.3	0.0	3.3
Santa Ana Del Valle	370.3	483.1	595.8	708.6	821.4	934.2	1047.0	1159.7	1272.5	1385.3	2.8	0.0	8.5	20.0	28.5	14.2	11.4	5.7	2.8	5.7
Santa Ana Taveña	302.7	401.5	500.3	599.1	697.9	796.7	895.5	994.3	1093.1	1191.9	2.2	6.6	13.3	13.3	20.0	13.3	6.6	15.5	4.4	4.4
Santa Ana Tlapecoyan	1026.1	1130.6	1235.0	1339.4	1443.9	1548.3	1652.7	1757.1	1861.6	1966.0	10.3	3.4	27.5	13.7	10.3	24.1	0.0	3.4	3.4	3.4
Santa Ana Yareni	506.5	593.0	679.6	766.1	852.6	939.1	1025.6	1112.2	1198.7	1285.2	3.3	3.3	10.0	20.0	13.3	20.0	16.6	3.3	0.0	10.0
Santa Ana Zegache	493.8	745.4	997.1	1248.7	1500.4	1752.1	2003.7	2255.4	2507.0	2758.7	20.9	58.1	9.3	6.9	0.0	2.3	0.0	0.0	0.0	2.3
Santa Catalina Quieri	302.7	401.5	500.3	599.1	697.9	796.7	895.5	994.3	1093.1	1191.9	2.2	6.6	13.3	13.3	20.0	13.3	6.6	15.5	4.4	4.4
Santa Catalina Cuixtla	466.6	529.2	591.7	654.2	716.8	779.3	841.8	904.3	966.9	1029.4	6.6	20.0	11.1	20.0	13.3	6.6	8.8	6.6	2.2	4.4
Santa Catalina Ixtepeji	511.5	581.1	650.7	720.3	789.9	859.4	929.0	998.6	1068.2	1137.8	2.7	13.8	13.8	19.4	27.7	13.8	0.0	5.5	0.0	2.7
Santa Catalina Juquila	799.3	921.3	1043.4	1165.4	1287.5	1409.5	1531.6	1653.6	1775.7	1897.7	2.6	0.0	2.6	5.2	15.7	23.6	26.3	15.7	5.2	2.6
Santa Catalina Lachatao	636.2	716.3	796.4	876.6	956.7	1036.9	1117.1	1197.2	1277.4	1357.5	8.3	2.7	22.2	8.3	13.8	11.1	13.8	2.7	5.5	11.1
Santa Catalina Loxicha	651.2	743.9	836.6	929.3	1022.0	1114.7	1207.4	1300.1	1392.8	1485.5	15.3	7.6	15.3	7.6	15.3	0.0	7.6	15.3	7.6	7.6
Santa Catalina Mechoacán	1018.2	1301.3	1584.4	1867.5	2150.6	2433.6	2716.7	2999.8	3282.9	3566.0	19.5	14.6	39.0	9.7	2.4	7.3	2.4	0.0	2.4	2.4
Santa Catalina Minas	287.6	429.8	571.9	714.0	856.2	998.3	1140.4	1282.5	1424.7	1566.8	4.5	20.4	40.0	11.3	9.0	0.0	2.2	0.0	0.0	2.2
Santa Catalina Quianá	233.2	318.5	403.9	489.2	574.6	660.0	745.3	830.7	916.0	1001.4	3.5	0.0	7.1	10.7	21.4	25.0	7.1	3.5	14.2	7.1
Santa Catalina Quioquitani	302.7	401.5	500.3	599.1	697.9	796.7	895.5	994.3	1093.1	1191.9	2.2	6.6	13.3	13.3	20.0	13.3	6.6	15.5	4.4	4.4
Santa Catalina Tayata	417.4	492.2	567.1	641.9	716.8	791.7	866.5	941.4	1016.2	1091.1	5.2	10.5	5.7	10.5	31.5	10.5	0.0	10.5	0.0	5.2
Santa Catalina Tlaxiá	551.3	655.6	760.0	864.3	968.6	1072.9	1177.2	1281.5	1385.8	1490.1	2.9	5.8	1.7	29.4	20.5	20.5	0.0	5.8	0.0	2.9
Santa Catalina Yacoatotú	749.4	862.8	976.3	1089.7	1203.1	1316.5	1429.9	1543.4	1656.8	1770.2	3.2	0.0	0.0	3.2	9.6	3.2	16.1	29.0	22.5	12.9
Santa Catalina Zapotitlán	355.2	421.5	487.7	553.9	620.2	686.4	752.6	818.8	885.1	951.3	5.8	8.8	1.7	17.6	14.7	17.6	11.7	5.8	0.0	5.8
Santa Cruz Acatepec	2230.8	2547.4	2864.0	3180.6	3497.2	3813.8	4130.4	4447.0	4763.6	5080.2	3.0	3.0	12.1	30.3	12.1	21.2	9.0	3.0	3.0	3.0
Santa Cruz Amilpas	511.6	566.8	622.1	677.3	732.5	787.7	842.9	898.2	953.4	1008.6	12.1	9.0	21.2	6.0	15.1	21.2	3.0	6.0	3.0	3.0
Santa Cruz de Bravo	696.8	835.4	974.0	1112.6	1251.3	1389.9	1528.5	1667.1	1805.7	1944.3	7.5	22.5	37.5	15.0	10.0	2.5	2.5	0.0	0.0	2.5
Santa Cruz Huenduja	668.2	794.9	923.7	1052.4	1181.2	1310.0	1438.7	1567.5	1696.2	1825.0	3.5	0.0	8.5	10.7	25.0	17.8	17.8	10.7	3.5	7.1
Santa Cruz Mixtepec	1026.1	1130.6	1235.0	1339.4	1443.9	1548.3	1652.7	1757.1	1861.6	1966.0	10.3	3.4	27.5	13.7	10.3	24.1	0.0	3.4	3.4	3.4
Santa Cruz Nandaco	262.6	362.0	461.5	561.0	660.5	759.9	859.4	958.9	1058.3	1157.8	3.8	0.0	0.0	0.0	0.0	7.6	3.8	23.0	26.9	34.6

Tabla C.150. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Santa María La Asunción	2040.1	2215.6	2391.0	2566.5	2741.9	2917.3	3092.8	3268.2	3443.7	3619.1	9.0	6.0	6.0	21.2	18.1	15.1	12.1	6.0	3.0	3.0
Santa María Lachixio	1022.8	1115.8	1208.8	1301.8	1394.8	1487.8	1580.8	1673.8	1766.8	1859.8	6.8	6.8	6.8	17.2	31.0	17.2	3.4	3.4	0.0	6.8
Santa María Mixtequilla	410.3	563.0	715.8	868.5	1021.3	1174.1	1326.8	1479.6	1632.3	1785.1	5.5	16.6	11.1	33.3	5.5	11.1	0.0	5.5	5.5	5.5
Santa María Nativitas	358.8	405.7	452.6	499.5	546.3	593.2	640.1	687.0	733.9	780.8	8.3	0.0	25.0	0.0	8.3	8.3	8.3	8.3	0.0	33.3
Santa María Nduayaco	328.4	383.4	438.5	493.5	548.5	603.5	658.5	713.6	768.6	823.6	7.1	7.1	0.0	7.1	14.2	10.7	14.2	21.4	10.7	7.1
Santa María Ozolotepec	852.8	982.9	1113.0	1243.1	1373.2	1503.2	1633.3	1763.4	1893.5	2023.6	3.4	6.8	27.5	24.1	20.6	10.3	0.0	3.4	0.0	3.4
Santa María Papalo	663.6	746.5	829.5	912.5	995.5	1078.4	1161.4	1244.4	1327.3	1410.3	16.6	3.3	5.6	20.0	13.3	13.3	10.0	10.0	0.0	6.6
Santa María Peñoles	601.6	676.6	751.5	826.4	901.3	976.3	1051.2	1126.1	1201.1	1276.0	11.4	20.0	11.4	25.7	8.5	5.7	8.5	2.8	2.8	2.8
Santa María Petape	831.7	996.4	1161.1	1325.8	1490.5	1655.2	1819.9	1984.6	2149.3	2314.0	4.0	8.1	18.3	16.3	16.3	2.0	22.4	6.1	4.0	2.0
Santa María Quiérolani	310.6	417.2	523.9	630.6	737.2	843.9	950.6	1057.3	1163.9	1270.6	2.2	2.2	11.1	15.5	20.0	20.0	6.6	15.5	4.4	2.2
Santa María Sola	1358.6	1521.7	1684.8	1847.9	2011.0	2174.1	2337.2	2500.3	2663.4	2826.5	6.8	3.4	5.8	3.4	24.1	20.6	27.5	0.0	3.4	3.4
Santa María Talaltepec	625.7	714.8	804.0	893.1	982.3	1071.5	1160.6	1249.8	1338.9	1428.1	5.7	14.2	17.1	11.4	25.7	11.4	8.5	0.0	2.8	2.8
Santa María Tecomavaca	420.1	676.7	933.4	1190.1	1446.8	1703.4	1960.1	2216.8	2473.4	2730.1	16.1	64.5	16.1	0.0	0.0	0.0	0.0	0.0	0.0	3.2
Santa María Temascalapa	1078.0	1194.8	1311.5	1428.3	1545.0	1661.7	1778.5	1895.2	2012.0	2128.7	4.1	4.1	0.0	20.8	8.3	16.6	20.8	12.5	4.1	8.3
Santa María Temascaltepec	794.1	945.2	1096.3	1247.4	1398.5	1549.6	1700.7	1851.8	2002.9	2154.0	3.4	3.4	3.4	3.4	20.6	27.5	27.5	0.0	6.8	3.4
Santa María Teopoxco	1336.4	1586.9	1837.5	2088.0	2338.6	2589.2	2839.7	3090.3	3340.8	3591.4	3.0	0.0	6.0	21.2	27.2	9.0	18.1	9.0	3.0	3.0
Santa María Tepantlali	1172.1	1410.9	1649.7	1888.5	2127.3	2366.0	2604.8	2843.6	3082.4	3321.2	8.8	2.9	14.7	11.7	20.5	11.7	8.8	8.8	2.9	8.8
Santa María Texcalitlán	275.8	363.9	452.1	540.2	628.4	716.6	804.7	892.9	981.0	1069.2	5.1	7.6	25.6	25.6	20.5	7.6	0.0	2.5	2.5	2.5
Santa María Tlahuilotepec	1172.1	1410.9	1649.7	1888.5	2127.3	2366.0	2604.8	2843.6	3082.4	3321.2	8.8	2.9	14.7	11.7	20.5	11.7	8.8	8.8	2.9	8.8
Santa María Tlalixtac	861.0	1071.2	1281.5	1491.7	1702.0	1912.2	2122.5	2332.7	2543.0	2753.2	3.3	20.0	20.0	30.0	13.3	3.3	3.3	3.3	0.0	3.3
Santa María Tonameca	681.4	776.7	872.1	967.4	1062.8	1158.2	1253.5	1348.9	1444.2	1539.6	10.0	20.0	30.0	30.0	0.0	0.0	0.0	0.0	0.0	10.0
Santa María Totolapilla	494.0	630.6	767.3	903.9	1040.6	1177.2	1313.9	1450.5	1587.2	1723.8	15.3	0.0	7.6	30.7	7.6	15.3	15.3	0.0	0.0	7.6
Santa María Xadani	495.2	618.8	742.4	866.0	989.6	1113.2	1236.8	1360.4	1484.0	1607.6	8.3	19.4	11.1	8.3	19.4	16.6	5.8	0.0	0.0	11.1
Santa María Yalina	531.2	622.5	713.8	805.1	896.4	987.8	1079.1	1170.4	1261.7	1353.0	3.4	10.3	6.8	10.3	34.4	20.6	6.8	0.0	0.0	6.8
Santa María Yavesia	650.1	722.4	794.7	867.0	939.3	1011.6	1083.9	1156.2	1228.5	1300.8	3.3	3.3	13.3	6.6	6.6	20.0	6.6	13.3	3.3	23.3
Santa María Yolotepec	625.9	728.3	830.7	933.1	1035.6	1138.0	1240.4	1342.8	1445.2	1547.6	3.1	6.2	3.1	6.2	34.3	28.1	3.1	9.3	3.1	3.1
Santa María Yosoyúa	551.3	665.6	780.0	894.3	1008.6	1122.9	1237.2	1351.6	1465.9	1580.2	2.9	0.0	2.9	5.8	11.7	23.5	17.6	17.6	5.8	11.7
Santa María Yucuhiti	749.4	862.8	976.3	1089.7	1203.1	1316.5	1429.9	1543.4	1656.8	1770.2	3.2	0.0	0.0	3.2	9.6	3.2	16.1	29.0	22.5	12.9
Santa María Zacatepec	1475.2	1716.5	1957.7	2198.9	2440.2	2681.4	2922.6	3163.8	3405.1	3646.3	14.2	3.5	21.4	21.4	21.4	3.5	3.5	0.0	7.1	3.5
Santa María Zaniza	1307.6	1419.7	1531.8	1643.9	1756.0	1868.1	1980.2	2092.3	2204.4	2316.5	6.8	3.4	6.8	13.7	13.7	17.2	24.1	3.4	3.4	6.8
Santa María Zoquiátlán	200.0	254.6	309.1	363.6	418.1	472.7	527.2	581.7	636.3	690.8	2.2	4.5	6.8	15.9	22.7	9.0	9.0	18.1	6.8	4.5
Santiago Amoltepec	1307.6	1419.7	1531.8	1643.9	1756.0	1868.1	1980.2	2092.3	2204.4	2316.5	6.8	3.4	6.8	13.7	13.7	17.2	24.1	3.4	3.4	6.8
Santiago Apoala	203.8	263.5	323.3	383.1	442.9	502.6	562.4	622.2	681.9	741.7	4.1	8.3	16.6	4.1	20.8	25.0	12.5	0.0	4.1	4.1
Santiago Apóstol	493.8	745.4	997.1	1248.7	1500.4	1752.1	2003.7	2255.4	2507.0	2758.7	20.9	58.1	9.3	6.9	0.0	2.3	0.0	0.0	0.0	2.3
Santiago Aslata	600.3	707.6	814.9	922.2	1029.5	1136.8	1244.1	1351.4	1458.7	1566.0	6.8	6.8	17.2	20.6	17.2	10.3	6.8	3.4	6.8	3.4
Santiago Atitlán	1172.1	1410.9	1649.7	1888.5	2127.3	2366.0	2604.8	2843.6	3082.4	3321.2	8.8	2.9	14.7	11.7	20.5	11.7	8.8	8.8	2.9	8.8
Santiago Ayuquilla	524.6	593.3	661.9	730.5	799.2	867.8	936.4	1005.0	1073.7	1142.3	8.0	4.0	8.0	12.0	4.0	8.0	20.0	12.0	20.0	4.0
Santiago Cacaloxtotec	473.6	523.1	572.6	622.1	671.6	721.1	770.6	820.1	869.6	919.1	5.2	5.2	10.5	26.3	5.2	21.0	10.5	5.2	0.0	10.5

Tabla C.150. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Santiago Carnotlán	1982.5	2137.0	2291.6	2446.1	2600.7	2755.3	2909.8	3064.4	3218.9	3373.5	10.0	10.0	16.6	20.0	6.6	20.0	6.6	3.3	3.3	3.3
Santiago Comaltepec	868.1	982.4	1096.8	1211.1	1325.5	1439.8	1554.2	1668.5	1782.8	1897.2	10.0	0.0	5.0	25.0	20.0	10.0	15.0	0.0	10.0	5.0
Santiago Chazumba	363.9	399.9	435.9	471.9	507.9	544.0	580.0	616.0	652.0	688.0	9.0	18.0	0.0	18.1	27.2	9.0	0.0	0.0	9.0	9.0
Santiago Choapam	1439.5	1675.6	1911.6	2147.7	2383.7	2619.7	2855.8	3091.8	3327.9	3563.9	12.1	3.0	3.0	3.0	0.0	24.2	15.1	9.0	15.1	15.1
Santiago Del Rio	574.4	726.6	878.8	1031.0	1183.3	1335.5	1487.7	1639.9	1792.1	1944.3	2.5	17.5	37.5	25.0	10.0	0.0	5.0	0.0	0.0	2.5
Santiago Huajolotlán	306.1	411.1	516.2	621.2	726.2	831.3	936.3	1041.4	1146.5	1251.5	4.0	0.0	8.0	12.0	32.0	20.0	8.0	12.0	0.0	4.0
Santiago Huauclilla	283.6	376.6	469.7	562.7	655.8	748.9	841.9	935.0	1028.0	1121.1	14.7	2.9	20.5	26.4	17.6	5.8	2.9	0.0	5.8	2.9
Santiago Ixcuintepec	597.4	850.3	1103.3	1356.2	1609.1	1862.0	2114.9	2367.9	2620.8	2873.7	3.7	3.7	7.4	7.4	18.5	29.6	7.4	18.5	0.0	3.7
Santiago Ixtayutla	1110.8	1211.9	1312.9	1414.0	1515.1	1616.2	1717.3	1818.3	1919.4	2020.5	4.0	8.0	4.0	12.0	20.0	20.0	8.0	8.0	4.0	12.0
Santiago Jamiltepec	657.2	776.9	896.7	1016.4	1136.2	1256.0	1375.7	1495.5	1615.2	1735.0	3.5	7.1	7.1	25.0	0.0	17.8	14.2	10.7	7.1	7.1
Santiago Jocotepec	1877.3	2052.7	2228.2	2403.6	2579.0	2754.5	2929.9	3105.4	3280.8	3456.3	3.3	6.6	13.3	30.0	6.6	13.3	3.3	10.0	3.3	10.0
Santiago Juchitán	1160.3	1317.3	1474.2	1631.2	1788.1	1945.0	2102.0	2258.9	2415.9	2572.8	6.6	3.3	6.6	13.3	16.6	23.3	16.6	0.0	3.3	10.0
Santiago Lachiguiri	494.0	630.6	767.3	903.9	1040.6	1177.2	1313.9	1450.5	1587.2	1723.8	15.3	0.0	7.6	30.7	7.6	15.3	15.3	0.0	0.0	7.6
Santiago Lalopa	1596.0	1724.3	1852.7	1981.0	2109.3	2237.7	2366.0	2494.4	2622.7	2751.1	6.6	6.6	13.3	10.0	20.0	6.6	20.0	0.0	3.3	13.3
Santiago Laollaga	405.4	504.7	604.0	703.3	802.6	902.0	1001.3	1100.6	1199.9	1299.2	10.3	17.2	24.1	10.3	10.3	10.3	3.4	3.4	6.8	3.4
Santiago Laxopa	366.0	422.6	479.1	535.7	592.2	648.7	705.3	761.8	818.4	874.9	9.0	0.0	18.1	0.0	18.1	9.0	9.0	18.1	0.0	18.1
Santiago Llano Grande	1391.3	1548.6	1705.9	1863.2	2020.5	2177.7	2335.0	2492.3	2649.6	2806.9	10.7	7.1	7.1	17.8	21.4	3.5	14.2	7.1	7.1	3.5
Santiago Matatlán	379.6	517.0	654.5	791.9	929.4	1066.8	1204.3	1341.7	1479.2	1616.6	9.5	26.1	35.7	16.6	2.3	7.1	0.0	0.0	0.0	2.3
Santiago Miltepec	355.2	421.5	487.7	553.9	620.2	686.4	752.6	818.8	885.1	951.3	5.8	8.8	11.7	17.6	14.7	17.6	11.7	5.8	0.0	5.8
Santiago Minas	791.8	906.5	1021.1	1135.7	1250.4	1365.0	1479.6	1594.2	1708.9	1823.5	2.7	2.7	2.7	10.8	10.8	18.9	18.9	21.6	8.1	2.7
Santiago Necaltepec	298.6	346.8	395.1	443.4	491.6	539.9	588.2	636.5	684.7	733.0	6.6	10.8	16.6	10.0	6.6	13.3	13.3	10.0	6.6	6.6
Santiago Nejaquila	549.4	614.9	680.5	746.0	811.5	877.0	942.5	1008.1	1073.6	1139.1	17.8	7.1	3.5	10.7	21.4	10.7	3.5	10.7	10.7	3.5
Santiago Nilapec	587.4	716.1	844.8	973.5	1102.2	1230.8	1359.5	1488.2	1616.9	1745.6	12.0	8.0	12.0	4.0	36.0	12.0	8.0	4.0	0.0	4.0
Santiago Nundiche	401.3	475.2	549.2	623.1	697.0	770.9	844.8	918.8	992.7	1066.6	8.0	8.0	12.0	16.0	28.0	12.0	0.0	4.0	8.0	4.0
Santiago Nuyub	749.4	862.8	976.3	1089.7	1203.1	1316.5	1429.9	1543.4	1656.8	1770.2	3.2	0.0	0.0	3.2	9.6	3.2	16.1	29.0	22.5	12.9
Santiago Pinotepa Nacional	810.3	1116.5	1422.7	1728.9	2035.1	2341.2	2647.4	2953.6	3259.8	3566.0	8.3	16.6	27.7	22.2	8.3	2.7	5.5	2.7	2.7	2.7
Santiago Suchilquitongo	522.2	617.9	713.5	809.2	904.8	1000.4	1096.1	1191.7	1287.4	1383.0	3.7	14.8	22.2	14.8	11.1	0.0	7.4	7.4	11.1	7.4
Santiago Tamazola	696.8	835.4	974.0	1112.6	1251.3	1389.9	1528.5	1667.1	1805.7	1944.3	7.5	22.8	37.5	15.0	10.0	2.5	2.5	0.0	0.0	2.5
Santiago Tapextla	1391.3	1548.6	1705.9	1863.2	2020.5	2177.7	2335.0	2492.3	2649.6	2806.9	10.7	7.1	7.1	17.8	21.4	3.5	14.2	7.1	7.1	3.5
Santiago Tenango	499.9	585.4	671.0	756.5	842.0	927.5	1013.0	1098.6	1184.1	1269.6	12.9	19.3	19.3	16.1	16.1	6.4	6.4	0.0	0.0	3.2
Santiago Tepetlapa	337.3	426.0	514.8	603.5	692.3	781.0	869.8	958.5	1047.3	1136.0	11.5	15.3	26.9	7.6	15.3	7.6	3.8	3.8	3.8	3.8
Santiago Tetepec	657.2	776.9	896.7	1016.4	1136.2	1256.0	1375.7	1495.5	1615.2	1735.0	3.5	7.1	7.1	25.0	0.0	17.8	14.2	10.7	7.1	7.1
Santiago Texcalcingo	2230.8	2547.4	2864.0	3180.6	3497.2	3813.8	4130.4	4447.0	4763.6	5080.2	3.0	3.0	12.1	30.3	12.1	21.2	9.0	3.0	3.0	3.0
Santiago Textitlán	1075.5	1199.2	1323.0	1446.8	1570.6	1694.3	1818.1	1941.9	2065.6	2189.4	3.4	0.0	13.7	10.3	24.1	17.2	17.2	6.8	0.0	6.8
Santiago Tilantongo	630.2	732.9	835.6	938.3	1041.0	1143.6	1246.3	1349.0	1451.7	1554.4	2.7	8.1	10.8	10.8	10.8	8.1	18.9	18.9	2.7	8.1
Santiago Tlilo	472.3	583.0	693.8	804.6	915.3	1026.1	1136.9	1247.7	1358.4	1469.2	7.6	0.0	11.5	7.6	15.3	15.3	15.3	7.6	11.5	7.8
Santiago Tlaxoyaltepec	601.6	676.6	751.5	826.4	901.3	976.3	1051.2	1126.1	1201.1	1276.0	11.4	20.0	11.4	25.7	8.5	5.7	8.5	2.8	2.8	2.8

Tabla C.150. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Santiago Xanica	818.5	991.3	1164.0	1336.7	1509.5	1682.2	1854.9	2027.6	2200.4	2373.1	3.5	21.4	25.0	17.8	10.7	7.1	10.7	0.0	0.0	3.5
Santiago Xiacul	650.1	722.4	794.7	867.0	939.3	1011.6	1083.9	1156.2	1228.5	1300.8	3.3	3.3	3.3	6.6	6.6	20.0	6.6	13.3	3.3	23.3
Santiago Yaltepec	794.1	945.2	1096.3	1247.4	1398.5	1549.6	1700.7	1851.8	2002.9	2154.0	3.4	3.4	3.4	3.4	20.6	27.5	27.5	0.0	6.8	3.4
Santiago Yaveo	1674.2	1997.8	2321.5	2645.2	2968.9	3292.5	3616.2	3939.9	4263.5	4587.2	11.1	16.6	11.1	22.2	13.8	8.3	0.0	8.3	0.0	8.3
Santiago Yolomécatl	328.4	383.4	438.5	493.5	548.5	603.5	658.5	713.6	768.6	823.6	7.1	7.1	0.0	7.1	14.2	10.7	14.2	21.4	10.7	7.1
Santiago Yosondúa	698.2	793.2	888.1	983.0	1078.0	1172.9	1267.8	1362.7	1457.7	1552.6	8.8	2.9	11.7	20.5	29.4	5.8	2.9	8.8	0.0	8.8
Santiago Yucuyachi	696.8	835.4	974.0	1112.6	1251.3	1389.9	1528.5	1667.1	1805.7	1944.3	7.5	22.5	37.5	15.0	10.0	2.5	2.5	0.0	0.0	2.5
Santiago Zacatepec	849.6	1296.5	1743.3	2190.1	2637.0	3083.8	3530.6	3977.4	4424.3	4871.1	5.8	0.0	0.0	14.7	20.5	20.5	17.6	11.7	2.9	5.8
Santiago Zochitla	531.2	622.5	713.8	805.1	896.4	987.8	1079.1	1170.4	1261.7	1353.0	2.7	11.1	11.1	16.6	30.5	16.6	2.7	5.5	0.0	2.7
Santo Domingo Albarradas	802.2	922.5	1042.9	1163.3	1283.7	1404.0	1524.4	1644.8	1765.1	1885.5	8.6	4.3	4.3	0.0	26.0	17.3	13.0	8.6	8.6	8.6
Santo Domingo Armenta	1391.3	1548.6	1705.9	1863.2	2020.5	2177.7	2335.0	2492.3	2649.6	2806.9	10.7	7.1	7.1	17.8	21.4	3.5	14.2	7.1	7.1	3.5
Santo Domingo Chihuitán	405.4	504.7	604.0	703.3	802.6	902.0	1001.3	1100.6	1199.9	1299.2	10.3	17.2	24.1	10.3	10.3	10.3	3.4	3.4	6.8	3.4
Santo Domingo de Morelos	681.4	776.7	872.1	967.4	1062.8	1158.2	1253.5	1348.9	1444.2	1539.6	10.0	20.0	30.0	30.0	0.0	0.0	0.0	0.0	0.0	10.0
Santo Domingo Ingenio	656.6	763.4	870.1	976.9	1083.6	1190.3	1297.1	1403.8	1510.6	1617.3	14.6	24.3	7.3	17.0	14.6	7.3	9.7	0.0	2.4	2.4
Santo Domingo Ixcatlán	698.2	793.2	888.1	983.0	1078.0	1172.9	1267.8	1362.7	1457.7	1552.6	8.8	2.9	11.7	20.5	29.4	5.8	2.9	8.8	0.0	8.8
Santo Domingo Nuxaá	453.0	544.4	635.9	727.3	818.8	910.2	1001.7	1093.1	1184.6	1276.0	3.0	0.0	0.0	15.1	18.1	18.1	9.0	9.0	6.0	12.1
Santo Domingo Ozolotepec	816.6	937.1	1057.7	1178.2	1298.8	1419.3	1539.9	1660.4	1781.0	1901.5	3.4	13.7	20.6	20.6	13.7	10.3	0.0	3.4	6.8	6.8
Santo Domingo Petapa	831.7	996.4	1161.1	1325.8	1490.5	1655.2	1819.9	1984.6	2149.3	2314.0	4.0	8.1	18.3	16.3	16.3	2.0	22.4	6.1	4.0	2.0
Santo Domingo Roayaga	1081.2	1334.0	1586.8	1839.6	2092.4	2345.1	2597.9	2850.7	3103.5	3356.3	8.5	22.8	37.1	20.0	5.7	0.0	2.8	0.0	0.0	2.8
Santo Domingo Tehuantepec	441.5	561.4	681.4	801.3	921.3	1041.2	1161.2	1281.1	1401.1	1521.0	7.1	11.9	11.9	23.8	14.2	7.1	9.5	2.3	7.1	4.7
Santo Domingo Teojomulco	1358.6	1521.7	1684.8	1847.9	2011.0	2174.1	2337.2	2500.3	2663.4	2826.5	6.8	3.4	6.8	3.4	24.1	20.6	27.5	0.0	3.4	3.4
Santo Domingo Tepuxtepec	314.7	425.6	536.4	647.3	758.1	868.9	979.8	1090.6	1201.5	1312.3	2.2	2.2	15.5	17.7	17.7	22.2	4.4	8.8	4.4	4.4
Santo Domingo Tlatayapam	549.4	614.9	680.5	746.0	811.5	877.0	942.5	1008.1	1073.6	1139.1	17.8	7.1	3.5	10.7	21.4	10.7	3.5	10.7	10.7	3.5
Santo Domingo Tomaltepec	511.6	566.8	622.1	677.3	732.5	787.7	842.9	898.2	953.4	1008.6	12.1	9.0	21.2	6.0	15.1	21.2	3.0	6.0	3.0	3.0
Santo Domingo Tonalá	515.8	575.6	635.4	695.2	754.9	814.7	874.5	934.3	994.1	1053.9	4.0	4.0	8.0	12.0	4.0	12.0	16.0	12.0	12.0	16.0
Santo Domingo Tonatepec	466.4	528.3	590.2	652.1	713.9	775.8	837.7	899.6	961.5	1023.4	20.0	26.6	0.0	20.0	0.0	6.6	13.3	6.6	0.0	6.6
Santo Domingo Xagacia	366.0	422.6	479.1	535.7	592.2	648.7	705.3	761.8	818.4	874.9	9.0	0.0	18.1	0.0	18.1	9.0	9.0	18.1	0.0	18.1
Santo Domingo Yanhuitlán	470.3	579.0	687.8	796.5	905.3	1014.0	1122.8	1231.5	1340.3	1449.0	7.6	3.8	14.5	15.3	11.5	23.0	15.3	3.8	3.8	3.8
Santo Domingo Yodohino	576.7	729.3	881.9	1034.5	1187.1	1339.7	1492.3	1644.9	1797.5	1950.1	4.7	4.7	4.7	19.0	38.0	14.2	4.7	0.0	0.0	9.5
Santo Domingo Zanatepec	777.4	976.0	1174.5	1373.0	1571.6	1770.1	1968.6	2167.1	2365.7	2564.2	4.7	16.6	9.5	26.1	19.0	14.2	0.0	7.1	0.0	2.3
Santo Tomás Jalieza	493.8	745.4	997.1	1248.7	1500.4	1752.1	2003.7	2255.4	2507.0	2758.7	20.9	58.1	9.3	6.9	0.0	2.3	0.0	0.0	0.0	2.3
Santo Tomás Mazaltepec	474.4	531.0	587.5	644.1	700.6	757.1	813.7	870.2	926.8	983.3	3.7	3.7	3.7	18.5	11.1	22.2	14.8	14.8	3.7	3.7
Santo Tomás Ocotepc	262.6	362.0	461.5	561.0	660.5	759.9	859.4	958.9	1058.3	1157.8	3.8	0.0	0.0	0.0	0.0	7.6	3.8	23.0	26.9	34.6
Santo Tomás Tamazulapam	1100.4	1282.9	1465.5	1648.1	1830.7	2013.2	2195.8	2378.4	2560.9	2743.5	18.1	9.0	9.0	27.2	18.1	0.0	0.0	9.0	0.0	9.0
Santos Reyes Nopala	1033.9	1134.0	1234.1	1334.2	1434.3	1534.4	1634.5	1734.6	1834.7	1934.8	3.4	6.8	3.4	17.2	10.3	17.2	20.6	10.3	0.0	10.3
Santos Reyes Pápaló	658.5	741.6	824.8	907.9	991.0	1074.1	1157.2	1240.4	1323.5	1406.6	13.3	6.6	10.0	16.6	13.3	6.6	10.0	6.6	3.3	13.3
Santos Reyes Tepajillo	392.4	457.4	522.4	587.4	652.4	717.3	782.3	847.3	912.3	977.3	8.0	8.0	16.0	20.0	20.0	8.0	12.0	0.0	4.0	4.0
Santos Reyes Yucuná	141.2	234.6	328.1	421.5	515.0	608.5	701.9	795.4	888.8	982.3	5.2	0.0	0.0	0.0	5.2	21.0	10.5	26.3	26.3	5.2

Tabla C.150. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Siacayoapam	696.8	835.4	974.0	1112.6	1251.3	1389.9	1528.5	1667.1	1805.7	1944.3	7.5	22.5	37.5	15.0	10.0	2.5	2.5	0.0	0.0	2.5
Sitio de Xitlapehua	374.1	437.3	500.6	563.8	627.1	690.3	753.6	816.8	880.1	943.3	9.3	2.3	13.9	20.9	18.6	11.6	6.9	0.0	6.9	9.3
Soledad Etla	421.0	504.0	587.0	670.0	753.0	836.0	919.0	1002.0	1085.0	1168.0	5.5	2.7	5.5	22.2	19.4	25.0	16.6	0.0	0.0	2.7
Tamazulapam del Espiritu Santo	1172.1	1410.9	1649.7	1888.5	2127.3	2366.0	2604.8	2843.6	3082.4	3321.2	8.8	2.9	14.7	11.7	20.5	11.7	8.8	8.8	2.9	8.8
Tanelze de Zaragoza	1078.0	1194.8	1311.5	1428.3	1545.0	1661.7	1778.5	1895.2	2012.0	2128.7	4.1	4.1	0.0	20.8	8.3	16.6	20.8	12.5	4.1	8.3
Taniche	466.9	535.1	603.3	671.5	739.8	808.0	876.2	944.4	1012.6	1080.8	6.8	18.7	13.7	27.5	24.1	0.0	3.4	3.4	0.0	6.8
Tatahuic de Valdés	657.2	776.9	896.7	1016.4	1136.2	1256.0	1375.7	1495.5	1615.2	1735.0	3.5	7.1	7.1	25.0	0.0	17.8	14.2	10.7	7.1	7.1
Teococuilco de Marcos Pérez	480.2	567.1	654.0	740.9	827.8	914.7	1001.6	1088.5	1175.4	1262.3	8.5	8.7	20.0	22.8	14.2	17.1	0.0	2.8	2.8	5.7
Teotitlán de Flores Magón	231.6	295.3	359.1	422.8	486.6	550.3	614.1	677.8	741.6	805.3	3.0	9.0	6.0	15.1	21.2	9.0	27.2	0.0	6.0	3.0
Teotitlán del Valle	624.0	699.2	774.4	849.6	924.8	1000.0	1075.2	1150.4	1225.6	1300.8	6.6	3.3	10.0	20.0	10.0	30.0	3.3	3.3	0.0	13.3
Teotongo	237.7	337.5	437.3	537.1	637.0	736.8	836.6	936.4	1036.2	1136.0	5.8	5.8	11.7	20.5	23.5	11.7	8.8	5.8	2.9	2.9
Tepelmeme Villa de Morelos	273.3	351.2	429.1	507.0	584.9	662.8	740.7	818.6	896.5	974.4	3.3	3.3	10.0	20.0	23.3	20.0	3.3	6.6	6.6	3.3
Tezoatlán de Segura y Luna	536.2	576.4	616.7	657.0	697.2	737.5	777.8	818.1	858.3	898.6	21.0	0.0	15.7	5.2	15.7	10.5	21.0	0.0	5.2	5.2
Tlacolula de Matamoros	214.7	283.8	353.0	422.1	491.3	560.4	629.6	698.7	767.8	837.0	4.5	2.2	11.3	20.4	20.4	20.4	13.6	2.2	2.2	2.2
Tlacoatepec Plumas	361.3	437.1	512.8	588.5	664.3	740.0	815.7	891.4	967.2	1042.9	4.0	16.0	0.0	16.0	8.0	20.0	16.0	8.0	4.0	8.0
Tlaxiactac de Cabrera	516.8	585.8	654.8	723.8	792.8	861.8	930.8	999.8	1068.8	1137.8	10.0	6.6	13.3	23.3	23.3	13.3	0.0	6.6	0.0	3.3
Tolontepac Villa de Morelos	951.1	1218.3	1485.6	1752.8	2020.1	2287.3	2554.6	2821.8	3089.1	3356.3	11.4	14.2	22.8	8.5	8.5	17.1	2.8	11.4	0.0	2.8
Trinidad Vista Hermosa, La	237.7	337.5	437.3	537.1	637.0	736.8	836.6	936.4	1036.2	1136.0	5.8	5.8	11.7	20.5	23.5	11.7	8.8	5.8	2.9	2.9
Trinidad Zaachila	233.2	318.5	403.9	489.2	574.6	660.0	745.3	830.7	916.0	1001.4	3.5	0.0	7.1	10.7	21.4	25.0	7.1	3.5	14.2	7.1
Unión Hidalgo	656.6	763.4	870.1	976.9	1083.6	1190.3	1297.1	1403.8	1510.6	1617.3	14.6	24.3	7.3	17.0	14.6	7.3	9.7	0.0	2.4	2.4
Valerio Trujano	292.1	396.7	501.2	605.7	710.3	814.8	919.3	1023.8	1128.4	1232.9	5.1	20.5	20.5	33.3	10.2	2.5	2.5	2.5	0.0	2.5
Villa de Chilapa de Díaz	1236.2	1318.4	1400.5	1482.7	1564.9	1647.1	1729.3	1811.4	1893.6	1975.8	10.5	10.5	5.2	5.2	15.7	10.5	5.2	10.5	10.5	15.7
Villa de Etla	421.0	504.0	587.0	670.0	753.0	836.0	919.0	1002.0	1085.0	1168.0	5.5	2.7	5.5	22.2	19.4	25.0	16.6	0.0	0.0	2.7
Villa de Tamazulapam del Progreso	568.0	700.5	833.1	965.6	1098.2	1230.8	1363.3	1495.9	1628.4	1761.0	13.3	13.3	46.6	20.0	3.3	0.0	0.0	0.0	0.0	3.3
Villa de Tututepec de Melchor Ocampo	1031.8	1122.0	1212.1	1302.3	1392.5	1482.7	1572.9	1663.0	1753.2	1843.4	13.3	0.0	20.0	16.6	13.3	13.3	13.3	3.3	3.3	3.3
Villa de Zaachila	233.2	318.5	403.9	489.2	574.6	660.0	745.3	830.7	916.0	1001.4	3.5	0.0	7.1	10.7	21.4	25.0	7.1	3.5	14.2	7.1
Villa Díaz Ordaz	696.4	768.9	842.5	916.1	989.7	1063.2	1136.8	1210.4	1283.9	1357.5	6.4	16.1	9.6	9.6	25.8	9.6	3.2	0.0	6.4	12.9
Villa Hidalgo	525.3	596.9	668.6	740.2	811.9	883.6	955.2	1026.9	1098.5	1170.2	8.3	8.3	5.5	19.4	19.4	8.3	13.8	5.5	8.3	2.7
Villa Sola de Vega	895.3	969.2	1043.2	1117.2	1191.2	1265.1	1339.1	1413.1	1487.0	1561.0	13.1	2.6	7.8	26.3	15.7	7.8	13.1	0.0	5.2	7.8
Villa Talea de Castro	1078.0	1194.8	1311.5	1428.3	1545.0	1661.7	1778.5	1895.2	2012.0	2128.7	4.1	4.1	0.0	20.8	8.3	16.6	20.8	12.5	4.1	8.3
Villa Tejupam de la Unión	351.8	399.0	446.3	493.5	540.8	588.0	635.3	682.5	729.8	777.0	5.0	25.0	0.0	10.0	15.0	20.0	0.0	0.0	10.0	15.0
Yaxe	201.9	258.3	314.6	371.0	427.4	483.8	540.2	596.5	652.9	709.3	2.2	6.6	8.8	13.3	17.7	17.7	13.3	13.3	2.2	4.4
Yogana	314.5	467.2	619.8	772.5	925.1	1077.7	1230.4	1383.0	1535.7	1688.3	2.9	0.0	11.7	55.8	17.8	8.8	0.0	0.0	0.0	2.9
Yutanduchi de Guerrero	630.2	732.9	835.6	938.3	1041.0	1143.6	1246.3	1349.0	1451.7	1554.4	2.7	8.1	10.8	10.8	10.8	8.1	18.9	18.9	2.7	8.1
Zapotitlán Del Rio	1075.5	1199.2	1323.0	1446.8	1570.6	1694.3	1818.1	1941.9	2065.6	2189.4	3.4	0.0	13.7	10.3	24.1	17.2	17.2	6.8	0.0	6.8
Zapotitlán Lagunas	696.8	835.4	974.0	1112.6	1251.3	1389.9	1528.5	1667.1	1805.7	1944.3	7.5	22.5	37.5	15.0	10.0	2.5	2.5	0.0	0.0	2.5
Zapotitlán Palmas	296.0	400.4	504.7	609.0	713.4	817.7	922.0	1026.3	1130.7	1235.0	4.8	0.0	2.4	12.1	24.3	29.2	14.6	2.4	7.3	2.4
Zimatlán de Alvarez	233.2	318.5	403.9	489.2	574.6	660.0	745.3	830.7	916.0	1001.4	3.5	0.0	7.1	10.7	21.4	25.0	7.1	3.5	14.2	7.1
Estatal	1086.6	1166.6	1246.7	1326.7	1406.7	1486.7	1566.7	1646.8	1726.8	1806.8	7.3	7.3	7.3	9.7	17.0	19.5	14.6	2.4	7.3	7.3

Tabla C.150. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Oaxaca.

Municipio	Características promedio de la sequía meteorológica municipal								Hv disponible Hv disp S(mm)	Tr(años) para	Tipo de sequía Meteorológica
	Período PerS(años)	Duración DS(años)	Severidad SS(mm)	Intensidad IS(mm/año)	% de IS respecto a X _s	Período PerS(años)	Duración DS(años)	Severidad SS(mm)			
Abejones	6.2	2.4	3.3	1.8	466.8	245.4	141.4	16.0	733.4	5.5	EXTREMADAMENTE SEVERA
Acatlán de Pérez Figueroa	5.2	2.9	2.5	1.8	868.0	634.7	347.2	19.0	420.5	4.8	MUY SEVERA
Ánimas Trujano	4.1	1.5	2.0	1.2	237.7	186.0	118.8	17.0	543.6	4.3	MUY SEVERA
Asunción Cacalotepec	4.9	2.7	2.4	2.3	1181.9	1014.6	492.4	23.0	578.3	4.8	MUY VASTA
Asunción Cuyotepeji	3.7	1.4	2.7	3.1	439.5	558.7	162.7	23.0	540.7	5.0	MUY VASTA
Asunción Ixtaltepec	3.8	1.6	2.2	1.2	450.9	345.3	204.9	19.0	373.5	4.0	MUY SEVERA
Asunción Nochixtlán	4.0	1.9	2.0	1.2	320.5	244.7	160.2	18.0	714.8	5.0	MUY SEVERA
Asunción Ocotlán	4.3	2.4	2.2	1.4	211.6	162.3	96.1	14.0	568.2	4.5	MUY SEVERA
Asunción Tlacolulita	4.0	2.0	1.7	1.0	548.8	382.8	322.8	30.0	729.9	5.3	VASTA
Ayoquezo de Aldama	4.3	2.4	2.2	1.4	211.6	162.3	96.1	14.0	568.2	4.5	MUY SEVERA
Ayotzintepec	3.3	0.9	1.7	0.6	948.0	948.2	557.6	16.0	2913.2	6.0	SEVERA
Barrio de la Soledad, El	5.2	3.7	2.5	2.6	774.6	1065.0	309.8	21.0	1098.7	4.3	MUY VASTA
Calihualá	3.0	0.8	1.8	0.8	269.8	215.3	149.8	15.0	797.7	3.7	SEVERA
Candelaria Loxicha	4.7	3.0	2.6	2.4	486.7	736.1	187.1	20.0	745.5	4.2	MUY SEVERA
Capulalpam de Méndez	3.0	0.5	1.4	0.4	315.3	217.5	225.2	16.0	1111.2	5.3	SEVERA
Ciénega de Zimatán	4.5	1.2	2.2	1.5	303.8	316.3	138.0	21.0	489.5	5.3	MUY VASTA
Ciudad Ixtepec	3.8	0.9	2.1	1.0	454.0	340.3	216.1	20.0	613.6	4.1	MUY SEVERA
Coatecas Altas	5.0	1.2	2.5	1.2	256.5	121.7	102.5	15.0	554.5	5.6	MUY SEVERA
Coicoyán de las Flores	4.5	1.9	2.6	1.6	760.5	453.8	292.5	19.0	1214.2	4.2	MUY SEVERA
Compañía, La	5.0	1.2	2.5	1.2	256.5	121.7	102.5	15.0	554.5	5.6	MUY SEVERA
Concepción Buenavista	4.0	1.7	2.1	0.9	283.1	171.1	134.8	26.0	381.7	4.6	MUY VASTA
Concepción Pápalo	3.8	1.8	2.0	1.4	236.9	171.8	118.4	18.0	532.0	4.5	MUY SEVERA
Constancia del Rosario	4.8	2.4	1.7	1.0	747.1	490.7	439.4	19.0	1858.2	6.6	SEVERA
Cosolopa	3.2	0.4	2.3	1.3	399.8	522.9	173.8	13.0	1097.8	4.3	MUY SEVERA
Cosoltepec	4.0	1.0	2.6	0.4	139.0	62.7	53.4	11.0	430.8	3.6	MUY SEVERA
Cuixtlan de Guerrero	4.1	1.5	2.0	1.2	237.7	186.0	118.8	17.0	543.6	4.3	MUY SEVERA
Cuyamecalco Villa de Zaragoza	3.8	1.8	2.0	1.4	236.9	171.8	118.4	18.0	532.0	4.5	MUY SEVERA
Chahuiles	4.6	2.4	2.5	1.6	836.8	605.0	334.7	20.0	1303.3	4.4	MUY SEVERA
Chalcatongo de Hidalgo	4.9	0.8	2.5	0.9	383.1	113.7	153.2	16.0	759.8	5.1	MUY SEVERA
Chiquihuitán de Benito Juárez	5.0	2.0	2.8	2.0	693.6	508.1	247.7	17.0	1132.1	3.8	MUY SEVERA
Etochichtán de Flores Magón	4.2	2.0	2.5	1.4	1029.9	743.6	411.9	12.0	2911.9	4.6	MUY SEVERA
Espinal, El	4.4	2.5	2.3	1.7	464.8	304.4	202.0	19.0	810.1	4.1	MUY SEVERA
Fresnillo de Trujano	4.2	1.0	2.0	0.8	385.2	153.5	192.6	22.0	616.9	6.6	MUY VASTA
Guadalupe de Ramírez	3.0	0.8	1.8	0.8	269.8	215.3	149.8	15.0	797.7	3.7	SEVERA
Guadalupe Etla	3.1	1.1	1.4	0.6	188.3	147.9	134.5	18.0	582.5	5.6	SEVERA
Gueltaco de Juárez	2.9	1.1	1.7	1.4	216.9	194.2	127.5	15.0	703.3	4.4	SEVERA
Guevea de Humboldt	4.5	0.5	2.6	1.2	570.8	292.9	219.5	17.0	1017.3	4.0	MUY SEVERA
Heroica Ciudad de Ejutla de Crespo	5.0	1.2	2.5	1.2	256.5	121.7	102.5	15.0	554.5	5.6	MUY SEVERA

Tabla C.151. Características de la sequía promedio de cada municipio del estado de Oaxaca.

Municipio	Características promedio de la sequía meteorológica municipal										X. Hp disp S(mm)	Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	Duración	Severidad	Intensidad	% de S	Hp disp S(mm)	Hp disp S(mm)	Tipo de sequía Meteorológica					
	PerS(años)	DS(años)	DS(años)	SS(mm)	SS(mm)				IS(mm/año) respecto				
Heroica Ciudad de Huajuapán de León	4.8	1.7	2.3	1.0	287.8	217.6	125.1	17.0	597.4	5.5	MUY SEVERA		
Heroica Ciudad de Tlaxiaco	2.9	0.8	2.0	0.7	290.9	146.4	145.4	17.0	703.6	7.5	MUY SEVERA		
Huautepec	4.1	2.3	2.0	1.5	660.3	384.1	330.1	12.0	2313.5	4.9	MUY SEVERA		
Huautla de Jiménez	4.1	2.3	2.0	1.5	660.3	384.1	330.1	12.0	2313.5	4.9	MUY SEVERA		
Ixpantepec Nieves	3.5	1.4	2.1	1.1	297.6	187.5	141.7	14.0	805.3	3.6	MUY SEVERA		
Ixtlán de Juárez	5.4	2.4	2.6	1.5	830.5	838.1	319.4	14.0	1836.8	4.8	MUY SEVERA		
Juchitán de Zaragoza	4.4	2.5	2.3	1.7	464.8	304.4	202.0	19.0	810.1	4.1	MUY SEVERA		
Loma Bonita	3.2	0.8	1.5	0.6	470.6	377.3	313.7	12.0	2187.0	7.0	SEVERA		
Magdalena Apasco	3.1	1.1	1.4	0.6	188.3	147.9	134.5	18.0	582.5	5.6	SEVERA		
Magdalena Jaltepec	4.0	1.9	2.0	1.2	320.5	244.7	160.2	18.0	714.8	5.0	MUY SEVERA		
Magdalena Mixtepec	4.5	1.2	2.4	1.4	275.4	295.7	114.7	17.0	532.0	6.0	MUY SEVERA		
Magdalena Ocotlán	4.3	2.4	2.2	1.4	211.6	162.3	96.1	14.0	568.2	4.5	MUY SEVERA		
Magdalena Peñasco	4.0	2.1	2.1	1.7	487.0	510.5	231.9	17.0	1070.6	4.1	MUY SEVERA		
Magdalena Teitipac	3.4	1.1	2.2	1.2	234.5	116.8	106.5	17.0	505.8	4.1	MUY SEVERA		
Magdalena Tequisistlán	4.1	2.5	2.3	2.0	346.1	304.8	150.4	22.0	505.8	3.8	MUY VASTA		
Magdalena Tlacoatepec	4.2	1.0	2.4	1.0	526.2	184.6	219.2	25.0	656.0	3.7	MUY VASTA		
Magdalena Yodocono de Porfirio Díaz	4.2	0.9	2.3	2.2	342.1	375.8	148.7	19.0	629.5	4.9	MUY SEVERA		
Magdalena Zahuatlán	4.2	0.9	2.3	2.2	342.1	375.8	148.7	19.0	629.5	4.9	MUY SEVERA		
Mariscala de Juárez	4.2	1.0	2.0	0.8	385.2	153.5	192.6	22.0	646.9	6.6	MUY VASTA		
Mártires de Tacubaya	6.7	0.8	2.6	1.4	895.8	675.7	344.5	17.0	1613.6	5.2	MUY SEVERA		
Matías Romero	3.2	1.2	1.7	0.6	561.3	426.6	330.1	13.0	2188.7	5.8	SEVERA		
Mazatlán Villa de Flores	4.1	2.3	2.0	1.5	660.3	384.1	330.1	12.0	2313.5	4.9	MUY SEVERA		
Mesones Hidalgo	4.8	2.4	1.7	1.0	747.1	490.7	439.4	19.0	1858.2	6.6	SEVERA		
Mihuatlán de Porfirio Díaz	3.0	1.0	1.8	0.8	196.6	136.5	109.2	16.0	540.0	4.3	SEVERA		
Mixistlán de la Reforma	4.5	2.1	2.5	1.8	319.6	236.9	127.8	16.0	650.9	4.3	MUY SEVERA		
Monjas	3.2	0.8	1.8	0.8	196.8	121.0	109.3	17.0	510.1	4.6	SEVERA		
Natividad	3.0	0.5	1.4	0.4	315.3	217.5	225.2	16.0	1111.2	5.3	SEVERA		
Nazareno Etla	3.4	1.2	1.7	1.0	157.9	153.9	92.8	12.0	625.3	5.1	SEVERA		
Nejapa de Madero	3.5	1.5	2.3	0.9	563.6	383.2	245.0	26.0	696.2	1.9	MUY VASTA		
Nuevo Zoquiapam	3.5	1.4	1.5	0.6	191.1	146.1	127.4	17.0	608.9	6.2	SEVERA		
Oaxaca de Juárez	5.0	1.8	2.2	1.0	262.5	123.3	119.3	17.0	553.3	4.2	MUY SEVERA		
Ocotlán de Morelos	4.3	2.4	2.2	1.4	211.6	162.3	96.1	14.0	568.2	4.5	MUY SEVERA		
Pe, La	5.0	1.2	2.5	1.2	256.5	121.7	102.5	15.0	554.5	5.6	MUY SEVERA		
Pinotepa de Don Luis	4.2	3.0	2.5	1.7	980.2	967.1	392.0	25.0	1143.1	3.5	MUY VASTA		
Pluma Hidalgo	4.7	3.0	2.6	2.4	486.7	736.1	187.1	20.0	745.5	4.2	MUY SEVERA		
Putla Villa de Guerrero	4.8	2.4	1.7	1.0	747.1	490.7	439.4	19.0	1858.2	6.6	SEVERA		
Reforma de Pineda	4.1	2.2	1.8	1.4	601.2	748.3	334.0	26.0	943.1	3.6	VASTA		
Reforma, La	9.0	4.2	3.5	1.6	1395.4	731.6	398.6	20.0	1517.2	3.6	EXTREMADAMENTE SEVERA		

Tabla C.151. Características de la sequía promedio de cada municipio del estado de Oaxaca.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica		
	Periodicidad	DesvStd	Período	Duración	DesvStd	DS	Severidad	DesvStd	SS	Intensidad			% de IS	lluvia disponible
	Per(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	H _o disp (mm)	H _o disp (mm)				
Reyes Etá	3.4	1.2	1.7	1.0	157.9	153.9	92.8	12.0	625.3	5.1	SEVERA			
Rojas de Cuauhtémoc	4.5	2.3	2.7	1.8	232.3	167.4	86.0	13.0	570.6	4.0	MUY SEVERA			
Salinas Cruz	3.4	1.1	2.2	1.1	449.7	347.1	204.4	24.0	619.2	3.7	MUY VASTA			
San Agustín Amatongo	4.1	1.3	2.7	1.4	271.6	232.6	100.5	13.0	655.5	4.9	MUY SEVERA			
San Agustín Atenango	3.5	1.4	2.1	1.1	297.6	187.5	141.7	14.0	805.3	3.6	MUY SEVERA			
San Agustín Chayuco	5.7	4.0	3.7	3.3	1041.2	1063.3	281.4	18.0	1246.8	3.2	EXTREMADAMENTE SEVERA			
San Agustín De las Juntas	4.1	1.5	2.0	1.2	237.7	186.0	118.8	17.0	543.6	4.3	MUY SEVERA			
San Agustín Etá	3.1	1.1	1.4	0.6	188.3	147.9	134.5	18.0	582.5	5.6	SEVERA			
San Agustín Loxicha	3.2	1.8	1.7	0.7	288.4	123.5	169.6	14.0	1034.2	5.5	SEVERA			
San Agustín Tlacotepec	4.0	2.1	2.1	1.7	487.0	510.5	231.9	17.0	1070.6	4.1	MUY SEVERA			
San Agustín Yatareni	5.0	1.8	2.2	1.0	262.5	123.3	119.3	17.0	553.3	4.2	MUY SEVERA			
San Andrés Cabecera Nueva	3.2	0.4	1.7	0.7	526.3	426.4	309.5	17.0	1432.5	4.5	SEVERA			
San Andrés Diniquí	5.6	1.6	2.2	0.4	234.9	56.2	106.7	16.0	556.8	5.5	MUY SEVERA			
San Andrés Huaxpaltepec	4.2	3.0	2.5	1.7	980.2	957.1	392.0	25.0	1143.1	3.5	MUY VASTA			
San Andrés Huayapam	5.0	1.8	2.2	1.0	262.5	123.3	119.3	17.0	553.3	4.2	MUY SEVERA			
San Andrés Ixtlahuaca	3.4	1.2	1.7	1.0	157.9	153.9	92.8	12.0	625.3	5.1	SEVERA			
San Andrés Lagunas	3.4	1.2	1.6	0.8	202.1	194.2	126.3	21.0	450.5	5.5	VASTA			
San Andrés Nuxiño	4.0	1.9	2.0	1.2	320.5	244.7	160.2	18.0	714.8	5.0	MUY SEVERA			
San Andrés Paxtlán	3.0	0.5	3.5	1.5	1056.6	85.0	301.8	18.0	1306.2	3.9	EXTREMADAMENTE SEVERA			
San Andrés Sinaxtla	4.2	0.7	2.5	1.3	485.4	451.3	194.1	20.0	768.9	4.2	MUY SEVERA			
San Andrés Solaga	3.2	1.7	1.5	0.8	217.6	296.5	145.0	17.0	702.5	5.0	SEVERA			
San Andrés Teotlalpam	3.3	1.1	1.7	0.8	800.1	545.0	470.6	13.0	3139.7	4.6	SEVERA			
San Andrés Tepetlapa	3.0	0.8	1.8	0.8	269.8	215.3	149.8	15.0	797.7	3.7	SEVERA			
San Andrés Yaa	3.1	0.5	2.1	1.4	504.5	403.1	240.2	15.0	1295.7	3.7	MUY SEVERA			
San Andrés Zabache	5.0	1.2	2.5	1.2	256.5	121.7	102.5	15.0	554.5	5.6	MUY SEVERA			
San Andrés Zautla	3.4	1.2	1.7	1.0	157.9	153.9	92.8	12.0	625.3	5.1	SEVERA			
San Antonino Castillo Velasco	4.5	1.5	3.0	1.8	508.4	406.5	169.4	24.0	515.6	3.8	EXTREMADAMENTE VASTA			
San Antonino El Alto	3.5	0.4	1.6	0.9	476.0	828.6	297.5	14.0	1721.6	6.0	SEVERA			
San Antonino Monteverde	2.8	0.6	1.5	0.7	375.1	440.2	250.0	22.0	838.7	5.2	VASTA			
San Antonio Acutla	4.0	1.2	1.8	0.8	264.7	244.9	147.0	27.0	386.6	2.2	VASTA			
San Antonio De la Cal	4.1	1.5	2.0	1.2	237.7	186.0	118.8	17.0	543.6	4.3	MUY SEVERA			
San Antonio Huitepec	3.5	0.4	1.6	0.9	476.0	828.6	297.5	14.0	1721.6	6.0	SEVERA			
San Antonio Nanahuatipam	6.6	2.4	3.2	1.0	258.3	24.5	80.7	21.0	289.1	5.0	EXTREMADAMENTE VASTA			
San Antonio Sinicahua	4.5	1.7	2.1	1.1	337.8	262.8	160.8	13.0	1020.3	5.0	MUY SEVERA			
San Antonio Tepetlapa	6.7	0.8	2.6	1.4	895.8	675.7	344.5	17.0	1613.6	5.2	MUY SEVERA			
San Baltazar Chichicapam	4.8	2.0	3.3	1.8	340.2	237.7	103.0	19.0	426.7	3.3	EXTREMADAMENTE SEVERA			
San Baltazar Loxicha	3.0	0.8	2.0	0.7	393.8	184.4	196.8	20.0	784.5	3.7	MUY SEVERA			
San Baltazar Yalzachi el Bajo	4.4	1.3	2.1	0.9	287.3	245.7	136.8	16.0	685.5	5.0	MUY SEVERA			

Tabla C.151. Características de la sequía promedio de cada municipio del estado de Oaxaca.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica	
	Periodicidad	DesvStd	Per	Duración	DesvStd	DS	Severidad	DesvStd	SS	Intensidad			% de IS
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c	Hp disp S(mm)	Hp disp S(mm)			
San Bartolomé Ayautla	2.9	0.7	1.3	0.6	530.0	182.3	407.6	11.0	3143.9	5.3	SEVERA		
San Bartolomé Coyotepec	4.5	1.2	2.2	1.5	303.8	316.3	138.0	21.0	489.5	5.3	MUY VASTA		
San Bartolomé Soyaltepec	5.0	2.0	2.0	0.8	341.7	152.6	170.8	26.0	473.3	5.4	MUY VASTA		
San Bartolomé Yautepac	4.0	2.0	1.7	1.0	548.8	382.8	322.8	30.0	729.9	5.3	VASTA		
San Bartolomé Loxicha	3.0	0.8	2.0	0.7	393.8	184.4	196.8	20.0	784.5	3.7	MUY SEVERA		
San Bartolomé Quijalana	4.2	1.5	2.5	1.1	336.8	279.6	134.7	22.0	466.6	3.6	MUY VASTA		
San Bartolomé Yucuañe	4.8	0.9	2.2	1.1	504.2	530.0	229.1	21.0	643.6	4.7	MUY VASTA		
San Bartolomé Zoogocho	3.2	1.7	1.5	0.8	217.6	296.5	145.0	17.0	702.5	5.0	SEVERA		
San Bernardo Mixtepec	4.7	1.1	2.5	1.2	454.7	428.4	181.8	13.0	1147.2	5.2	MUY SEVERA		
San Blas Atempa	3.1	0.9	2.2	1.3	432.2	367.6	196.4	23.0	641.2	4.3	MUY VASTA		
San Carlos Yautepac	4.2	1.5	1.9	0.9	426.0	243.0	224.2	27.0	588.7	5.2	VASTA		
San Cristóbal Amatlán	4.0	1.4	2.2	1.6	399.8	388.7	181.7	24.0	571.8	4.2	MUY VASTA		
San Cristóbal Amoltepec	4.0	2.1	2.1	1.7	487.0	510.5	231.9	17.0	1070.6	4.1	MUY SEVERA		
San Cristóbal Lachirioag	3.2	1.7	1.5	0.8	217.6	296.5	145.0	17.0	702.5	5.0	SEVERA		
San Cristóbal Suchixtlahuaca	3.6	1.1	1.6	1.1	197.8	120.5	123.6	23.0	410.5	5.8	VASTA		
San Dionisio del Mar	4.8	1.9	2.5	2.1	727.3	730.6	290.9	29.0	684.3	5.1	MUY VASTA		
San Dionisio Ocotepc	3.7	1.9	1.8	1.4	193.6	227.4	107.5	25.0	319.1	6.0	VASTA		
San Dionisio Ocotlán	4.3	2.4	2.2	1.4	211.6	162.3	96.1	14.0	568.2	4.5	MUY SEVERA		
San Esteban Atatlahuca	3.0	1.1	1.4	0.8	290.1	400.6	207.2	14.0	1332.3	2.3	SEVERA		
San Felipe Jalapa de Díaz	2.9	0.7	1.3	0.6	530.0	182.3	407.6	11.0	3143.9	5.3	SEVERA		
San Felipe Tejalapam	3.4	1.2	1.7	1.0	157.9	153.9	92.8	12.0	625.3	5.1	SEVERA		
San Felipe Usila	3.3	1.1	1.7	0.8	800.1	545.0	470.6	13.0	3139.7	4.6	SEVERA		
San Francisco Cahuacuá	3.6	0.8	1.5	0.6	340.6	414.6	227.0	20.0	895.6	4.8	SEVERA		
San Francisco Cajonos	3.0	0.8	1.5	0.5	192.5	164.5	128.3	20.0	489.3	4.2	SEVERA		
San Francisco Chapulapa	5.0	2.0	2.8	2.0	693.6	508.1	247.7	17.0	1132.1	3.8	MUY SEVERA		
San Francisco Chindúa	4.2	0.7	2.5	1.3	485.4	451.3	194.1	20.0	768.9	4.2	MUY SEVERA		
San Francisco Del Mar	7.0	0.5	3.5	2.5	712.6	613.5	203.6	18.0	926.6	3.9	EXTREMADAMENTE SEVERA		
San Francisco Huehuetlán	4.2	2.0	2.5	1.4	1029.9	743.6	411.9	12.0	2911.9	4.6	MUY SEVERA		
San Francisco Ixhuatán	7.0	0.5	3.5	2.5	954.9	651.6	272.8	29.0	662.8	3.5	EXTREMADAMENTE VASTA		
San Francisco Jaltepetongo	4.2	0.9	2.3	2.2	342.1	375.8	148.7	19.0	629.5	4.9	MUY SEVERA		
San Francisco Lachigolá	4.5	2.3	2.7	1.8	232.3	167.4	86.0	13.0	570.6	4.0	MUY SEVERA		
San Francisco Loqueche	4.0	1.4	2.2	1.6	399.8	388.7	181.7	24.0	571.8	4.2	MUY VASTA		
San Francisco Nuxaño	4.2	0.9	2.3	2.2	342.1	375.8	148.7	19.0	629.5	4.9	MUY SEVERA		
San Francisco Ozolotepec	5.2	3.0	2.6	2.4	648.0	496.8	249.2	20.0	994.4	4.1	MUY SEVERA		
San Francisco Sola	4.1	1.3	2.7	1.4	271.6	232.5	100.5	13.0	665.5	4.9	MUY SEVERA		
San Francisco Telixtlahuaca	3.2	1.0	1.7	0.9	225.0	144.7	132.3	22.0	454.6	5.4	VASTA		
San Francisco Teopan	4.5	2.0	2.2	1.9	395.1	318.2	179.5	27.0	440.1	5.7	MUY VASTA		
San Francisco Tlapancingo	3.0	0.8	1.8	0.8	269.8	215.3	149.8	15.0	797.7	3.7	SEVERA		

Tabla C.151. Características de la sequía promedio de cada municipio del estado de Oaxaca.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica		
	Periodicidad	DeeVStd	PerS	Daración	DeeVStd	DS	Severidad	DeeVStd	SS	Intensidad			% de IS	lluvia disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	H _p disp S(mm)	H _p disp S(mm)				
San Gabriel Mixtepec	3.0	0.8	2.0	0.7	393.8	184.4	196.8	20.0	784.5	3.7	MUY SEVERA			
San Idefonso Amatlán	3.0	0.5	3.5	1.5	1056.6	85.0	301.8	18.0	1306.2	3.9	EXTREMADAMENTE SEVERA			
San Idefonso Sola	3.5	0.4	1.8	1.0	273.5	407.7	151.9	11.0	1186.2	5.1	SEVERA			
San Idefonso Villa Alta	3.1	0.5	2.1	1.4	504.5	403.1	240.2	15.0	1285.7	3.7	MUY SEVERA			
San Jacinto Amilpas	3.5	2.2	1.7	1.0	240.0	189.4	141.1	18.0	643.1	5.7	SEVERA			
San Jacinto Tlaxiaco	3.5	0.4	1.6	0.9	476.0	828.6	297.5	14.0	1721.6	6.0	SEVERA			
San Jerónimo Coatlán	3.1	1.0	1.5	0.6	220.7	218.0	147.1	17.0	677.2	5.4	SEVERA			
San Jerónimo Silacoyapilla	4.3	1.2	2.2	1.0	400.2	316.8	181.9	24.0	542.7	2.0	MUY VASTA			
San Jerónimo Sosola	3.7	1.1	2.0	0.8	269.6	176.5	134.8	19.0	531.5	4.4	MUY SEVERA			
San Jerónimo Taviche	4.8	2.0	3.3	1.8	340.2	237.7	103.0	19.0	426.7	3.3	EXTREMADAMENTE SEVERA			
San Jerónimo Tecoatl	4.2	2.0	2.5	1.4	1029.9	743.6	411.9	12.0	291.9	4.6	MUY SEVERA			
San Jerónimo Tlaxochahuaya	4.4	1.7	2.5	1.8	224.3	151.9	89.7	19.0	376.2	4.4	MUY SEVERA			
San Jorge Nuchita	3.7	1.6	1.8	1.0	280.2	185.8	155.6	18.0	667.1	5.9	SEVERA			
San José Ayuquila	5.1	1.7	2.7	1.5	391.6	380.5	145.0	19.0	590.2	5.6	MUY SEVERA			
San José Chiltepec	3.3	1.0	1.6	0.6	685.5	311.8	428.4	14.0	2513.5	4.1	SEVERA			
San José del Peñasco	3.0	0.5	3.5	1.5	1056.6	85.0	301.8	18.0	1306.2	3.9	EXTREMADAMENTE SEVERA			
San José del Progreso	5.0	1.2	2.5	1.2	256.5	121.7	102.5	15.0	558.5	5.6	MUY SEVERA			
San José Estancia Grande	6.7	0.8	2.6	1.4	895.8	675.7	344.5	17.0	1613.6	5.2	MUY SEVERA			
San José Independencia	4.6	1.1	2.5	1.1	1527.0	1383.6	610.7	13.0	3894.1	4.2	MUY SEVERA			
San José Lachiguiri	4.0	1.4	2.2	1.6	399.8	388.7	181.7	24.0	571.8	4.2	MUY VASTA			
San José Tenango	3.5	0.7	1.4	0.4	830.1	628.7	592.9	14.0	3409.7	6.9	SEVERA			
San Juan Achiutla	3.3	1.0	1.6	0.7	196.0	160.5	122.5	18.0	529.5	4.6	SEVERA			
San Juan Atepec	6.2	2.4	3.3	1.8	466.8	245.4	141.4	16.0	738.4	5.5	EXTREMADAMENTE SEVERA			
San Juan Bautista Alatalahuaca	3.2	1.5	1.7	1.3	177.9	164.2	104.6	22.0	354.5	3.5	VASTA			
San Juan Bautista Coixtlahuaca	5.1	2.5	2.2	1.5	305.0	171.4	138.6	28.0	354.6	4.8	MUY VASTA			
San Juan Bautista Cuicatlán	3.8	1.2	1.9	1.0	206.8	170.0	108.8	21.0	388.4	5.7	VASTA			
San Juan Bautista Guelache	3.1	1.1	1.4	0.6	188.3	147.9	134.5	18.0	582.5	5.6	SEVERA			
San Juan Bautista Jayacatlán	3.0	0.8	1.8	1.4	259.0	241.7	143.8	21.0	524.9	4.9	VASTA			
San Juan Bautista lo de Soto	6.7	0.8	2.6	1.4	895.8	675.7	344.5	17.0	1613.6	5.2	MUY SEVERA			
San Juan Bautista Suchitepec	4.4	1.2	2.3	1.6	259.6	195.6	112.8	19.0	474.9	4.6	MUY SEVERA			
San Juan Bautista Tlacoatzintepec	3.3	1.1	1.7	0.8	800.1	545.0	470.6	13.0	3139.7	4.6	SEVERA			
San Juan Bautista Tlaxichilco	3.0	0.8	1.8	0.8	269.8	215.3	149.8	15.0	797.7	3.7	SEVERA			
San Juan Bautista Tuxtepec	3.0	0.9	1.4	0.6	648.7	732.3	463.3	19.0	1879.0	5.6	SEVERA			
San Juan Bautista Valle Nacional	2.9	0.7	1.6	0.6	651.0	282.6	406.8	11.0	3184.5	4.2	SEVERA			
San Juan Cacahuatepec	6.7	0.8	2.6	1.4	895.8	675.7	344.5	17.0	1613.6	5.2	MUY SEVERA			
San Juan Cieneguilla	3.0	0.8	1.8	0.8	269.8	215.3	149.8	15.0	797.7	3.7	SEVERA			
San Juan Coatzacoapam	4.7	0.4	2.0	1.0	1113.1	942.6	556.5	16.0	2752.1	5.7	MUY SEVERA			
San Juan Colorado	5.7	4.0	3.7	3.3	1041.2	1063.3	281.4	18.0	1244.4	3.2	EXTREMADAMENTE SEVERA			

Tabla C.151. Características de la sequía promedio de cada municipio del estado de Oaxaca.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad PerS(años)	DesvStd PerS(años)	Duración DS(años)	DesvStd DS(años)	Severidad SS(mm)	DesvStd SS(mm)	Intensidad IS(mm/año)	% de IS respecto a X ₀	Reserva disponible Hp disp S(mm)	Hp disp S(mm)		
San Juan Comaltepec	4.1	2.8	1.8	1.9	1049.8	1758.3	583.2	22.0	2021.5	6.1	VASTA	
San Juan Cotzocón	4.1	1.5	1.6	0.9	678.1	1314.7	423.8	22.0	1450.1	6.3	VASTA	
San Juan Chicomezúchil	2.9	1.1	1.7	1.4	216.9	194.2	127.5	15.0	703.3	4.4	SEVERA	
San Juan Chiltepec	4.5	1.5	3.0	1.8	508.4	406.5	169.4	24.0	515.6	3.8	EXTREMADAMENTE VASTA	
San Juan De los Rios	2.5	0.5	1.3	0.4	599.1	202.7	460.8	31.0	1015.4	5.2	CRITICA	
San Juan Del Estado	3.6	1.3	2.1	1.3	371.0	298.8	176.6	24.0	568.5	3.8	MUY VASTA	
San Juan Del Rio	4.9	2.7	2.4	2.3	1181.9	1014.6	492.4	23.0	1578.3	4.8	MUY VASTA	
San Juan Dixi	4.8	0.9	2.2	1.1	504.2	530.0	229.1	21.0	843.6	4.7	MUY VASTA	
San Juan Evangelista Anasco	6.2	2.4	3.3	1.8	466.8	245.4	141.4	16.0	703.4	5.5	EXTREMADAMENTE SEVERA	
San Juan Guelavia	3.5	1.0	2.0	1.0	212.9	118.4	106.4	19.0	451.6	4.2	MUY SEVERA	
San Juan Guichicovi	3.8	2.0	1.7	0.9	530.8	401.1	312.2	12.0	2173.5	4.6	SEVERA	
San Juan Ihualtepec	3.0	0.8	1.8	0.8	269.8	215.3	149.8	15.0	797.7	3.7	SEVERA	
San Juan Juquila Mixes	4.1	1.4	1.7	1.3	1286.5	1423.1	756.7	30.0	1754.1	5.5	VASTA	
San Juan Juquila Vijanos	3.3	1.1	1.4	0.4	376.4	175.4	268.8	16.0	1394.4	6.5	SEVERA	
San Juan Lachao	3.7	1.9	1.7	0.6	271.9	265.4	159.9	13.0	1020.8	4.9	SEVERA	
San Juan Lachigalla	4.3	1.4	3.1	2.0	325.0	343.6	104.8	16.0	528.8	3.6	EXTREMADAMENTE SEVERA	
San Juan Lajarcia	4.0	1.8	2.0	1.4	356.1	249.3	178.0	25.0	511.7	4.3	MUY VASTA	
San Juan Lalana	3.6	1.6	1.8	1.0	941.4	863.7	523.0	19.0	2157.6	2.3	SEVERA	
San Juan Mazatlán	5.5	4.0	3.1	2.3	867.3	588.0	279.7	11.0	2150.7	3.5	EXTREMADAMENTE SEVERA	
San Juan Mixtepec	3.7	1.5	2.1	1.0	426.0	236.5	202.8	16.0	1002.2	3.8	MUY SEVERA	
San Juan Mixtepec	4.3	0.8	2.5	0.9	218.5	177.0	87.4	14.0	504.6	4.0	MUY SEVERA	
San Juan Numi	4.5	2.9	2.0	1.1	221.7	176.1	110.8	19.0	456.8	5.6	MUY SEVERA	
San Juan Ozolotepec	3.7	1.5	2.1	1.0	426.0	236.5	202.8	16.0	1002.2	3.8	MUY SEVERA	
San Juan Petlapa	3.0	1.2	1.1	0.3	183.4	108.6	166.7	23.0	551.7	6.3	VASTA	
San Juan Quiahije	5.1	2.3	2.2	1.9	374.7	370.9	170.3	12.0	1214.9	6.3	MUY SEVERA	
San Juan Quiotepec	8.5	2.5	3.6	1.2	796.5	366.0	221.2	17.0	1072.0	4.4	EXTREMADAMENTE SEVERA	
San Juan Sayultepec	4.2	0.7	2.5	1.3	485.4	451.3	194.1	20.0	768.9	4.2	MUY SEVERA	
San Juan Tabaá	3.2	1.7	1.5	0.8	217.6	296.5	145.0	17.0	702.5	5.0	SEVERA	
San Juan Tamazola	4.8	0.9	2.2	1.1	504.2	530.0	229.1	21.0	843.6	4.7	MUY VASTA	
San Juan Teiata	3.6	1.4	2.0	1.2	342.6	259.1	171.3	14.0	976.4	5.0	MUY SEVERA	
San Juan Teitipac	3.4	1.1	2.2	1.2	234.5	116.8	106.5	17.0	505.8	4.1	MUY SEVERA	
San Juan Tepeuxiila	4.2	1.8	1.8	1.0	328.5	279.2	182.5	24.0	567.2	6.0	VASTA	
San Juan Teposcolula	4.0	1.4	1.8	0.9	254.7	180.7	141.5	22.0	481.5	5.8	VASTA	
San Juan Yacé	4.3	1.6	2.8	2.0	690.5	440.8	246.6	11.0	1845.2	4.3	MUY SEVERA	
San Juan Yatzone	4.3	1.6	2.8	2.0	690.5	440.8	246.6	11.0	1845.2	4.3	MUY SEVERA	
San Juan Yucuita	4.2	0.7	2.5	1.3	485.4	451.3	194.1	20.0	768.9	4.2	MUY SEVERA	
San Lorenzo	4.2	3.0	2.5	1.7	980.2	957.1	392.0	25.0	1143.1	3.5	MUY VASTA	
San Lorenzo Albarradas	6.1	2.5	2.7	1.8	528.4	328.3	195.7	26.0	543.8	5.4	MUY VASTA	

Tabla C.151. Características de la sequía promedio de cada municipio del estado de Oaxaca.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica		
	Período	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS	Intensidad			% de IS	línea disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	H _o disp S(mm)	H _o disp S(mm)				
San Lorenzo Cacaotepec	3.5	2.2	1.7	1.0	240.0	189.4	141.1	18.0	603.1	5.7	SEVERA			
San Lorenzo Cuauñecuitla	4.2	2.0	2.5	1.4	1029.9	743.6	411.9	12.0	2911.9	4.6	MUY SEVERA			
San Lorenzo Texmelucan	3.5	0.4	1.6	0.9	476.0	828.6	297.5	14.0	1721.6	6.0	SEVERA			
San Lorenzo Victoria	3.7	1.6	1.8	1.0	280.2	185.8	155.6	18.0	667.1	5.9	SEVERA			
San Lucas Camotlán	5.0	2.5	2.3	2.2	875.8	958.7	380.7	22.0	1286.3	7.0	MUY VASTA			
San Lucas Ojitán	3.6	1.1	1.6	0.7	842.8	697.6	526.7	14.0	3176.7	6.6	SEVERA			
San Lucas Quiavini	4.2	1.5	2.5	1.1	336.8	279.6	134.7	22.0	466.6	3.6	MUY VASTA			
San Lucas Zoquiapam	4.1	2.3	2.0	1.5	660.3	384.1	330.1	12.0	2313.5	4.9	MUY SEVERA			
San Luis Amatlán	3.5	1.1	2.1	0.9	224.5	162.7	106.9	17.0	492.3	3.9	MUY SEVERA			
San Marcial Ozolotepec	2.8	1.0	1.6	0.7	277.6	222.8	173.5	14.0	1033.5	5.5	SEVERA			
San Marcos Arteaga	3.3	1.2	2.2	1.2	328.5	329.5	149.3	14.0	894.9	4.8	MUY SEVERA			
San Martín de los Cansecos	5.0	1.2	2.5	1.2	256.5	121.7	102.5	15.0	554.5	5.6	MUY SEVERA			
San Martín Huamelutpan	3.3	1.0	1.6	0.7	196.0	160.5	122.5	18.0	529.5	4.6	SEVERA			
San Martín Itunyoso	4.3	0.8	2.5	0.9	218.5	177.0	87.4	14.0	504.6	4.0	MUY SEVERA			
San Martín Lachilá	5.0	1.2	2.5	1.2	256.5	121.7	102.5	15.0	554.5	5.6	MUY SEVERA			
San Martín Peras	3.5	1.4	2.1	1.1	297.6	187.5	141.7	14.0	805.3	3.6	MUY SEVERA			
San Martín Tilcajete	4.5	1.5	3.0	1.8	508.4	406.5	169.4	24.0	515.6	3.8	EXTREMADAMENTE VASTA			
San Martín Toxpalan	2.5	0.5	1.3	0.4	599.1	202.7	460.8	31.0	1015.4	5.2	CRITICA			
San Martín Zacatepec	5.3	1.8	2.0	0.7	334.1	240.0	167.0	24.0	518.7	6.2	MUY VASTA			
San Mateo Cajonos	2.5	0.5	1.1	0.3	157.1	108.8	142.8	19.0	586.4	4.6	SEVERA			
San Mateo del Mar	7.0	0.5	3.5	2.5	954.9	651.6	272.8	29.0	662.8	3.5	EXTREMADAMENTE VASTA			
San Mateo Etlatongo	4.2	0.9	2.3	2.2	342.1	375.8	148.7	19.0	629.5	4.9	MUY SEVERA			
San Mateo Nejapam	3.0	0.8	1.8	0.8	269.8	215.3	149.8	15.0	797.7	3.7	SEVERA			
San Mateo Peñasco	3.6	1.4	2.0	1.2	342.6	259.1	171.3	14.0	976.4	5.0	MUY SEVERA			
San Mateo Piñas	3.0	0.8	1.6	0.4	528.7	452.6	330.4	24.0	1008.3	4.5	VASTA			
San Mateo Río Hondo	3.0	0.5	3.5	1.5	1056.6	85.0	301.8	18.0	1306.2	3.9	EXTREMADAMENTE SEVERA			
San Mateo Sindihui	4.1	1.3	2.2	1.2	380.6	249.4	173.0	15.0	962.0	6.1	MUY SEVERA			
San Mateo Tiapillepec	3.8	1.5	2.1	1.3	311.7	146.9	148.4	25.0	442.7	4.8	MUY VASTA			
San Mateo Yokochitlán	4.2	2.0	2.5	1.4	1029.9	743.6	411.9	12.0	2911.9	4.6	MUY SEVERA			
San Melchor Betaza	3.1	0.5	2.1	1.4	504.5	403.1	240.2	15.0	1295.7	3.7	MUY SEVERA			
San Miguel Achiutla	3.3	1.0	1.6	0.7	196.0	160.5	122.5	18.0	529.5	4.6	SEVERA			
San Miguel Ahuehuatlán	3.0	0.8	1.8	0.8	269.8	215.3	149.8	15.0	797.7	3.7	SEVERA			
San Miguel Aloxapam	3.8	0.8	2.5	1.1	332.5	165.9	133.0	17.0	613.1	4.3	MUY SEVERA			
San Miguel Amatlán	4.2	1.0	2.0	0.8	385.2	153.5	192.6	22.0	646.9	6.6	MUY VASTA			
San Miguel Amatlán	3.5	1.2	1.8	1.0	273.3	195.1	151.8	15.0	844.0	5.7	SEVERA			
San Miguel Coatlán	3.0	0.5	3.5	1.5	1056.6	85.0	301.8	18.0	1306.2	3.9	EXTREMADAMENTE SEVERA			
San Miguel Chicahua	3.2	1.2	1.6	0.6	181.0	136.1	113.1	23.0	367.4	4.7	VASTA			
San Miguel Chimalapa	7.3	2.6	2.5	1.1	709.4	430.6	283.7	28.0	704.2	6.3	MUY VASTA			

Tabla C.151. Características de la sequía promedio de cada municipio del estado de Oaxaca.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad PerS(años)	DS(años)	PerS (años)	Duración DS(años)	DS (años)	Severidad SS(mm)	DS (mm)	Intensidad IS(mm/año)	% de IS respecto a X _s	lluvia disponible Hp disp S(mm)		
San Miguel Del Puerto	4.6	0.9	2.0	0.7	778.4	406.1	389.2	28.0	938.8	5.5	MUY VASTA	
San Miguel Del Río	3.7	1.2	1.7	0.4	206.9	122.6	121.7	15.0	646.9	5.3	SEVERA	
San Miguel Ejutla	5.0	1.2	2.5	1.2	256.5	121.7	102.5	15.0	534.5	5.6	MUY SEVERA	
San Miguel El Grande	4.1	1.3	1.8	0.9	254.6	201.4	141.4	14.0	807.9	5.6	SEVERA	
San Miguel Huautla	3.8	1.0	1.7	0.8	171.1	97.0	100.6	23.0	319.3	4.9	VASTA	
San Miguel Mixtepec	3.5	0.4	1.6	0.9	476.0	828.6	297.5	14.0	1721.6	6.0	SEVERA	
San Miguel Panixtlahuaca	5.2	2.3	2.5	1.7	464.4	297.4	185.7	14.0	1129.8	2.1	MUY SEVERA	
San Miguel Peras	4.5	1.2	2.4	1.4	275.4	295.7	114.7	17.0	532.0	6.0	MUY SEVERA	
San Miguel Piedras	4.8	0.9	2.2	1.1	504.2	530.0	229.1	21.0	843.6	4.7	MUY VASTA	
San Miguel Quetzaltepec	5.0	2.2	2.4	1.6	1478.7	1550.2	616.1	29.0	1436.1	5.9	MUY VASTA	
San Miguel Santa Flor	5.0	2.0	2.8	2.0	693.6	508.1	247.7	17.0	1132.1	3.8	MUY SEVERA	
San Miguel Soyaltepec	4.1	2.1	2.3	1.4	1160.4	1493.2	504.5	18.0	2273.5	5.2	MUY SEVERA	
San Miguel Suchixtepec	2.8	1.0	1.6	0.7	277.6	222.8	173.5	14.0	1033.5	5.5	SEVERA	
San Miguel Tecomatlán	4.2	0.9	2.3	2.2	342.1	375.8	148.7	19.0	629.5	4.9	MUY SEVERA	
San Miguel Tenango	3.7	1.4	2.0	1.0	362.3	248.8	181.1	19.0	765.7	4.4	MUY SEVERA	
San Miguel Tequixtepec	3.2	1.0	2.3	1.8	303.5	269.1	131.9	26.0	370.2	3.8	MUY VASTA	
San Miguel Tilquiapam	4.8	2.0	3.3	1.8	340.2	237.7	103.0	19.0	425.7	3.3	EXTREMADAMENTE SEVERA	
San Miguel Tlacamama	4.2	3.0	2.5	1.7	980.2	957.1	392.0	25.0	1143.1	3.5	MUY VASTA	
San Miguel Tlacoatepec	4.3	0.8	2.5	0.9	218.5	177.0	87.4	14.0	504.6	4.0	MUY SEVERA	
San Miguel Tulancingo	3.5	1.0	2.5	1.7	375.2	297.8	150.0	26.0	412.2	3.7	MUY VASTA	
San Miguel Yotao	3.0	0.5	1.4	0.4	315.3	217.5	225.2	16.0	1111.2	5.3	SEVERA	
San Nicolás	3.0	1.0	1.8	0.8	196.6	136.5	109.2	16.0	540.0	4.3	SEVERA	
San Nicolás Hidalgo	3.7	1.6	1.8	1.0	280.2	185.8	155.6	18.0	667.1	5.9	SEVERA	
San Pablo Coatlán	3.1	1.0	1.5	0.6	220.7	218.0	147.1	17.0	677.2	5.4	SEVERA	
San Pablo Cuatro Venados	4.5	1.2	2.4	1.4	275.4	295.7	114.7	17.0	532.0	6.0	MUY SEVERA	
San Pablo Etla	3.1	1.1	1.4	0.6	188.3	147.9	134.5	18.0	582.5	5.6	SEVERA	
San Pablo Huitzo	3.6	1.3	2.1	1.3	371.0	298.8	176.6	24.0	550.5	3.8	MUY VASTA	
San Pablo Huixtepec	4.5	1.2	2.2	1.5	303.8	316.3	138.0	21.0	489.5	5.3	MUY VASTA	
San Pablo Macuiltianguis	3.5	2.3	2.2	2.2	322.7	363.4	146.6	15.0	812.2	4.1	MUY SEVERA	
San Pablo Tlaxiaco	4.9	0.8	2.5	0.9	383.1	113.7	153.2	16.0	769.8	5.1	MUY SEVERA	
San Pablo Villa de Mitla	4.0	2.0	2.3	2.1	448.2	649.1	194.8	14.0	1139.2	4.2	MUY SEVERA	
San Pablo Yaganiza	2.5	0.5	1.1	0.3	157.1	108.8	142.8	19.0	584.4	4.6	SEVERA	
San Pedro Amuzgos	6.7	0.8	2.6	1.4	895.8	675.7	344.5	17.0	1618.6	5.2	MUY SEVERA	
San Pedro Apóstol	4.3	2.4	2.2	1.4	211.6	162.3	96.1	14.0	568.2	4.5	MUY SEVERA	
San Pedro Atoyac	6.0	2.1	2.6	1.3	507.9	509.3	195.3	12.0	1359.9	5.8	MUY SEVERA	
San Pedro Cajonos	3.0	0.8	1.5	0.5	192.5	164.5	128.3	20.0	489.3	4.2	SEVERA	
San Pedro Comitancillo	4.2	1.0	2.4	1.0	526.2	184.6	219.2	25.0	656.0	3.7	MUY VASTA	
San Pedro Coxcattepec C.	3.3	1.3	1.8	1.3	256.9	132.4	142.7	26.0	393.8	6.5	VASTA	

Tabla C.151. Características de la sequía promedio de cada municipio del estado de Oaxaca.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para para	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS	Hvvia disponible	Hvvia disponible		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c	Hv disp S(mm)	Hv disp S(mm)		
San Pedro El Alto	3.2	1.6	1.7	0.7	288.4	123.5	169.6	14.0	1034.2	5.5	SEVERA	
San Pedro Huamelula	3.7	1.4	2.0	1.0	362.3	248.8	181.1	19.0	765.7	4.4	MUY SEVERA	
San Pedro Huilotepec	3.4	1.1	2.2	1.1	449.7	347.1	204.4	24.0	619.2	3.7	MUY VASTA	
San Pedro Ixcatlán	3.5	1.1	1.7	0.7	1019.7	866.3	599.8	19.0	2540.3	2.4	SEVERA	
San Pedro Ixtlahuaca	3.5	2.2	1.7	1.0	240.0	189.4	141.1	18.0	603.1	5.7	SEVERA	
San Pedro Jaltepetongo	4.3	1.6	2.4	1.0	271.3	190.0	113.0	22.0	400.0	4.2	MUY VASTA	
San Pedro Jicaván	6.0	2.1	2.6	1.3	507.9	509.3	195.3	12.0	1359.9	5.8	MUY SEVERA	
San Pedro Jocotipac	3.8	1.2	1.9	1.0	228.1	173.2	120.0	24.0	379.0	5.9	VASTA	
San Pedro Juchatengo	3.7	1.9	1.7	0.6	271.9	265.4	159.9	13.0	1020.8	4.9	SEVERA	
San Pedro Mártir	4.3	2.4	2.2	1.4	211.6	162.3	96.1	14.0	568.2	4.5	MUY SEVERA	
San Pedro Mártir Quechapa	4.0	1.8	2.0	1.4	356.1	249.3	178.0	25.0	511.7	4.3	MUY VASTA	
San Pedro Mártir Yucucaco	2.8	0.6	1.5	0.7	375.1	440.2	250.0	22.0	838.7	5.2	VASTA	
Sn Ped. Mixtepec (Juquila)	3.0	0.8	2.0	0.7	393.8	184.4	196.8	20.0	784.5	3.7	MUY SEVERA	
Sn Ped. Mixtepec (Miahuatlán)	3.7	1.5	2.1	1.0	426.0	236.5	202.8	16.0	1002.2	3.8	MUY SEVERA	
San Pedro Molinos	4.9	0.8	2.5	0.9	383.1	113.7	153.2	16.0	769.8	5.1	MUY SEVERA	
San Pedro Nopala	4.2	1.7	1.7	0.7	275.8	176.3	162.2	29.0	393.3	5.9	VASTA	
San Pedro Ocopetillo	4.2	2.0	2.5	1.4	1029.9	743.6	411.9	12.0	2911.9	4.6	MUY SEVERA	
San Pedro Ocoatepec	5.0	2.2	2.4	1.6	1478.7	1550.2	616.1	29.0	1456.1	5.9	MUY VASTA	
San Pedro Pochutla	4.7	3.0	2.6	2.4	486.7	736.1	187.1	20.0	745.5	4.2	MUY SEVERA	
San Pedro Quiatoni	6.1	2.5	2.7	1.8	528.4	328.3	195.7	26.0	543.8	5.4	MUY VASTA	
San Pedro Sochiapam	5.5	4.7	3.6	3.8	732.4	651.7	203.4	20.0	802.5	3.9	EXTREMADAMENTE SEVERA	
San Pedro Tapanatepec	4.6	2.4	2.5	1.6	836.8	605.0	334.7	20.0	1303.3	4.4	MUY SEVERA	
San Pedro Taviche	4.3	1.4	3.1	2.0	325.0	343.6	104.8	16.0	528.8	3.6	EXTREMADAMENTE SEVERA	
San Pedro Teozacoalco	4.9	0.8	2.5	0.9	383.1	113.7	153.2	16.0	769.8	5.1	MUY SEVERA	
San Pedro Teutila	2.9	0.7	1.3	0.6	530.0	182.3	407.6	11.0	3143.9	5.3	SEVERA	
San Pedro Tidaá	4.2	0.9	2.3	2.2	342.1	375.8	148.7	19.0	629.5	4.9	MUY SEVERA	
San Pedro Topiletepec	4.2	0.9	2.3	2.2	342.1	375.8	148.7	19.0	629.5	4.9	MUY SEVERA	
San Pedro Totolapa	3.7	1.9	1.8	1.4	193.6	227.4	107.5	25.0	319.1	6.0	VASTA	
Sn Pedro y Sn Pablo Ayutla	4.0	2.0	2.3	2.1	448.2	649.1	194.8	14.0	1139.2	4.2	MUY SEVERA	
Sn Pedro y Sn Pablo Tepos.	4.0	1.4	1.8	0.9	254.7	180.7	141.5	22.0	481.5	5.8	VASTA	
Sn Pedro y Sn Pablo Tequi.	4.0	1.0	2.6	0.4	139.0	62.7	53.4	11.0	430.8	3.6	MUY SEVERA	
San Pedro Yaneri	5.4	2.4	2.6	1.5	830.5	838.1	319.4	14.0	1836.8	4.8	MUY SEVERA	
San Pedro Yólox	8.5	2.5	3.6	1.2	796.5	366.0	221.2	17.0	1072.0	4.4	EXTREMADAMENTE SEVERA	
San Pedro Yucunama	3.4	1.2	1.6	0.8	202.1	194.2	126.3	21.0	450.5	5.5	VASTA	
San Raymundo Jalpan	4.5	1.2	2.2	1.5	303.8	316.3	138.0	21.0	489.5	5.3	MUY VASTA	
San Sebastián Abasco	4.5	2.3	2.7	1.8	232.3	167.4	86.0	13.0	570.6	4.0	MUY SEVERA	
San Sebastián Coatlán	3.1	1.0	1.5	0.6	220.7	218.0	147.1	17.0	677.2	5.4	SEVERA	
San Sebastián Ixcapa	6.7	0.8	2.6	1.4	895.8	675.7	344.5	17.0	1613.6	5.2	MUY SEVERA	

Tabla C.151. Características de la sequía promedio de cada municipio del estado de Oaxaca.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad PerS(años)	DesvStd D(años)	PerS (años)	Duración DS(años)	DesvStd D(años)	SS(mm)	Severidad DesvStd SS (mm)	Intensidad IS(mm/año) respecto a X _o	% de IS	lluvia disponible Hp disp S(mm)		
San Sebastián Nicananduta	2.8	0.6	1.5	0.7	375.1	440.2	250.0	22.0	38.7	5.2	VASTA	
San Sebastián Río Hondo	3.0	0.5	3.5	1.5	1056.6	85.0	301.8	18.0	1306.2	3.9	EXTREMADAMENTE SEVERA	
San Seb. Tecomaxtlahuaca	4.5	1.4	2.3	1.1	499.6	342.3	217.2	20.0	659.4	4.7	MUY SEVERA	
San Sebastián Teitipac	4.5	2.3	2.7	1.8	232.3	167.4	86.0	13.0	570.6	4.0	MUY SEVERA	
San Sebastián Tutla	5.0	1.8	2.2	1.0	262.5	123.3	119.3	17.0	553.3	4.2	MUY SEVERA	
San Simón Almolongas	3.0	1.0	1.8	0.8	196.6	136.5	109.2	16.0	540.0	4.3	SEVERA	
San Simón Zahuatlán	4.2	1.0	2.0	0.8	385.2	153.5	192.6	22.0	646.9	6.6	MUY VASTA	
San Vicente Coatlán	4.1	1.3	2.7	1.4	271.6	232.5	100.5	13.0	655.5	4.9	MUY SEVERA	
San Vicente Lachixio	3.5	0.4	1.8	1.0	273.5	407.7	151.9	11.0	1186.2	5.1	SEVERA	
San Vicente Nuuñu	4.2	0.9	2.3	2.2	342.1	375.8	148.7	19.0	629.5	4.9	MUY SEVERA	
Santa Ana	3.0	1.0	1.8	0.8	196.6	136.5	109.2	16.0	540.0	4.3	SEVERA	
Santa Ana Aleixtlahuaca	4.2	2.0	2.5	1.4	1029.9	743.6	411.9	12.0	2911.9	4.6	MUY SEVERA	
Santa Ana Cuauhliemoc	5.0	2.0	2.8	2.0	693.6	508.1	247.7	17.0	1132.1	3.8	MUY SEVERA	
Santa Ana Del Valle	5.3	2.1	2.9	1.6	418.8	356.6	144.4	17.0	667.7	5.1	MUY SEVERA	
Santa Ana Taveía	4.0	1.8	2.0	1.4	356.1	249.3	178.0	25.0	511.7	4.3	MUY VASTA	
Santa Ana Tlapacoyan	4.7	1.1	2.5	1.2	454.7	428.4	181.8	13.0	1147.2	5.2	MUY SEVERA	
Santa Ana Yareni	3.5	1.3	1.8	0.9	297.2	192.4	165.1	19.0	692.5	6.2	SEVERA	
Santa Ana Zegache	4.5	1.5	3.0	1.8	508.4	406.5	169.4	24.0	515.6	3.8	EXTREMADAMENTE VASTA	
Santa Catalina Quieri	4.0	1.8	2.0	1.4	356.1	249.3	178.0	25.0	511.7	4.3	MUY VASTA	
Santa Catarina Cuixtla	3.0	1.0	1.8	0.8	196.6	136.5	109.2	16.0	540.0	4.3	SEVERA	
Santa Catarina Ixtapeji	4.5	2.8	2.2	2.5	228.4	183.3	103.8	14.0	616.6	4.5	MUY SEVERA	
Santa Catarina Juquila	5.1	2.4	2.3	1.9	379.9	342.3	165.1	11.0	1220.4	5.4	MUY SEVERA	
Santa Catarina Lachatao	4.1	1.9	2.5	2.8	455.6	662.1	182.2	19.0	799.9	5.3	MUY SEVERA	
Santa Catarina Loxicha	3.0	0.8	2.0	0.7	393.8	184.4	196.8	20.0	744.5	3.7	MUY SEVERA	
Santa Catarina Mechoacán	5.7	4.0	3.7	3.3	1041.2	1063.3	281.4	18.0	1246.4	3.2	EXTREMADAMENTE SEVERA	
Santa Catarina Minas	4.8	2.0	3.3	1.8	340.2	237.7	103.0	19.0	436.7	3.3	EXTREMADAMENTE SEVERA	
santa Catarina Quiané	4.5	1.2	2.2	1.5	303.8	316.3	138.0	21.0	449.5	5.3	MUY VASTA	
Santa Catarina Quiquitaní	4.0	1.8	2.0	1.4	356.1	249.3	178.0	25.0	511.7	4.3	MUY VASTA	
Santa Catarina Tayata	3.3	1.0	1.6	0.7	196.0	160.5	122.5	18.0	529.5	4.6	SEVERA	
Santa Catarina Ticuá	4.9	0.8	2.5	0.9	383.1	113.7	153.2	16.0	789.8	5.1	MUY SEVERA	
Santa Catarina Yosonotú	3.0	1.1	1.4	0.8	290.1	400.6	207.2	14.0	1282.3	2.3	SEVERA	
Santa Catarina Zapotitlán	4.4	1.2	2.3	1.6	259.6	195.6	112.8	19.0	474.9	4.6	MUY SEVERA	
Santa Cruz Acatepec	4.2	2.0	2.5	1.4	1029.9	743.6	411.9	12.0	2911.9	4.6	MUY SEVERA	
Santa Cruz Amilpas	5.0	1.8	2.2	1.0	262.5	123.3	119.3	17.0	553.3	4.2	MUY SEVERA	
Santa Cruz de Bravo	3.0	0.8	1.8	0.8	269.8	215.3	149.8	15.0	797.7	3.7	SEVERA	
Santa Cruz Itundujía	8.0	0.8	3.5	1.5	730.6	306.4	208.7	16.0	1055.6	5.8	EXTREMADAMENTE SEVERA	
Santa Cruz Mixtepec	4.7	1.1	2.5	1.2	454.7	428.4	181.8	13.0	1147.2	5.2	MUY SEVERA	
Santa Cruz Nundaco	2.7	0.6	1.2	0.4	226.1	224.5	188.4	19.0	769.0	7.5	SEVERA	

Tabla C.151. Características de la sequía promedio de cada municipio del estado de Oaxaca.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad ParS(años)	DesvStd (años)	PerS DS(años)	Duración (años)	DesvStd SS(mm)	DS (mm)	Severidad DesvStd IS(mm/año)	SS respecto a X _r	Intensidad % de IS	Huía disponible Hp disp S(mm)		
Santa Cruz Papalutla	3.5	1.0	2.0	1.0	212.9	118.4	106.4	19.0	451.5	4.2	MUY SEVERA	
Santa Cruz Tacache de Mina	3.7	1.6	1.8	1.0	280.2	185.8	155.6	18.0	667.8	5.9	SEVERA	
Santa Cruz Tacahua	4.4	1.7	2.2	1.3	402.0	312.5	182.7	14.0	1063.4	5.0	MUY SEVERA	
Santa Cruz Tayala	3.3	1.0	1.6	0.7	196.0	160.5	122.5	18.0	529.5	4.6	SEVERA	
Santa Cruz Xitla	3.0	1.0	1.8	0.8	196.6	136.5	109.2	16.0	540.0	4.3	SEVERA	
Santa Cruz Xoxocotlán	5.0	1.8	2.2	1.0	262.5	123.3	119.3	17.0	553.3	4.2	MUY SEVERA	
Santa Cruz Zenzontepec	4.7	1.6	2.3	1.1	450.5	445.0	195.8	14.0	1124.2	5.8	MUY SEVERA	
Santa Gertrudis	4.5	1.2	2.2	1.5	303.8	316.3	138.0	21.0	489.5	5.3	MUY VASTA	
Santa Inés de Zaragoza	4.0	1.9	2.0	1.2	320.5	244.7	160.2	18.0	714.8	5.0	MUY SEVERA	
Santa Inés del Monte	4.5	1.2	2.2	1.5	303.8	316.3	138.0	21.0	489.5	5.3	MUY VASTA	
Santa Inés Yatzeche	4.5	1.2	2.2	1.5	303.8	316.3	138.0	21.0	489.5	5.3	MUY VASTA	
Santa Lucia Del Camino	5.0	1.8	2.2	1.0	262.5	123.3	119.3	17.0	553.3	4.2	MUY SEVERA	
Santa Lucia Miahuatlán	3.0	0.5	3.5	1.5	1056.6	85.0	301.8	18.0	1306.2	3.9	EXTREMADAMENTE SEVERA	
Santa Lucia Monteverde	3.7	1.3	2.1	1.5	472.5	463.5	225.0	12.0	1583.8	5.8	MUY SEVERA	
Santa Lucia Ocotlán	4.3	2.4	2.2	1.4	211.6	162.3	96.1	14.0	568.2	4.5	MUY SEVERA	
Santa Magdalena Jicotlán	5.0	2.3	2.6	1.0	483.4	147.0	185.9	29.0	435.2	5.0	MUY VASTA	
Santa Maria Atolepec	4.9	2.7	2.4	2.3	1181.9	1014.6	492.4	23.0	1578.3	4.8	MUY VASTA	
Santa Maria Apazco	3.1	1.4	1.6	0.8	253.9	146.3	158.6	26.0	430.0	4.5	VASTA	
Santa Maria Atzompa	3.5	2.2	1.7	1.0	240.0	189.4	141.1	18.0	603.1	5.7	SEVERA	
Santa Maria Camotlán	3.7	1.4	2.7	3.1	439.5	558.7	162.7	23.0	540.7	5.0	MUY VASTA	
Santa Maria Colotepec	3.0	0.8	2.0	0.7	393.8	184.4	196.8	20.0	784.5	3.7	MUY SEVERA	
Santa Maria Cortijo	6.7	0.8	2.6	1.4	895.8	675.7	344.5	17.0	1613.6	5.2	MUY SEVERA	
Santa Maria Coyotepec	4.1	1.5	2.0	1.2	237.7	186.0	118.8	17.0	543.6	4.3	MUY SEVERA	
Santa Maria Chachoapam	5.0	2.0	2.0	0.8	341.7	152.6	170.8	26.0	473.3	5.4	MUY VASTA	
Santa Maria Chilchotla	4.1	2.0	2.2	1.4	1145.1	973.8	520.5	13.0	3219.8	4.6	MUY SEVERA	
Santa Maria Chimalapa	3.6	2.2	2.6	2.4	742.5	795.2	285.5	14.0	1734.6	3.8	MUY SEVERA	
Santa Maria del Rosario	3.3	1.0	1.6	0.7	196.0	160.5	122.5	18.0	529.5	4.6	SEVERA	
Santa Maria Del Tule	5.0	1.8	2.2	1.0	262.5	123.3	119.3	17.0	553.3	4.2	MUY SEVERA	
Santa Maria Ecatepec	4.0	2.0	1.7	1.0	548.8	382.8	322.8	30.0	729.9	5.3	VASTA	
Santa Maria Guelacé	4.5	2.3	2.7	1.8	232.3	167.4	86.0	13.0	570.6	4.0	MUY SEVERA	
Santa Maria Guienagabi	4.5	0.5	2.6	1.2	570.8	292.9	219.5	17.0	1017.3	4.0	MUY SEVERA	
Santa Maria Huatulco	3.0	0.8	1.6	0.4	528.7	452.6	330.4	24.0	1008.3	4.5	VASTA	
Santa Maria Huazolotitlán	5.7	4.0	3.7	3.3	1041.2	1063.3	281.4	18.0	1246.4	3.2	EXTREMADAMENTE SEVERA	
Santa Maria Ipatapa	6.7	0.8	2.6	1.4	895.8	675.7	344.5	17.0	1613.6	5.2	MUY SEVERA	
Santa Maria Ixcatlán	5.1	2.0	3.0	1.9	581.5	320.4	193.8	26.0	526.0	1.6	EXTREMADAMENTE VASTA	
Santa Maria Jacatepec	3.2	1.0	1.4	0.6	617.1	525.3	440.7	16.0	2217.4	6.2	SEVERA	
Sta Ma. Jalapa del Marques	3.7	1.9	2.1	1.6	300.7	300.1	143.1	22.0	482.6	3.9	MUY VASTA	
Santa Maria Jaltianguis	3.5	1.3	1.8	0.9	297.2	192.4	165.1	19.0	692.5	6.2	SEVERA	

Tabla C.151. Características de la sequía promedio de cada municipio del estado de Oaxaca.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad Per(S/años)	DesvStd DS(años)	Duración DS(años)	DesvStd DS(años)	Severidad SS(mm)	DesvStd SS(mm)	Intensidad IS(mm/año)	% de IS respecto a X _c	línea disponible Hp disp S(mm)	línea disponible Hp disp S(mm)		
Santa María La Asunción	4.1	2.3	2.0	1.5	660.3	384.1	330.1	12.0	2313.5	4.9	MUY SEVERA	
Santa María Lachixío	3.5	0.4	1.8	1.0	273.5	407.7	151.9	11.0	1196.2	5.1	SEVERA	
Santa María Mixtequilla	4.2	1.0	2.4	1.0	526.2	184.6	219.2	25.0	646.0	3.7	MUY VASTA	
Santa María Nativitas	5.0	2.0	2.0	0.8	264.8	40.1	132.3	22.0	449.9	4.4	MUY VASTA	
Santa María Nduayaco	4.3	2.6	1.8	0.9	232.2	196.5	129.0	21.0	442.1	5.1	VASTA	
Santa María Ozolotepec	2.8	1.0	1.6	0.7	277.6	222.8	173.5	14.0	1033.5	5.5	SEVERA	
Santa María Pápalo	4.1	2.1	2.1	1.7	388.8	301.0	185.1	19.0	761.9	4.8	MUY SEVERA	
Santa María Peñoles	4.4	2.1	2.3	1.1	292.6	210.1	127.2	16.0	648.8	4.0	MUY SEVERA	
Santa María Petapa	5.2	3.7	2.5	2.6	774.6	1065.0	309.8	21.0	1098.7	4.3	MUY VASTA	
Santa María Quiépolani	3.5	1.3	1.7	0.7	304.3	186.0	179.0	24.0	599.6	4.9	VASTA	
Santa María Sola	3.5	0.4	1.6	0.9	476.0	828.6	297.5	14.0	1721.6	6.0	SEVERA	
Santa María Tataltepec	4.8	3.3	2.1	1.2	317.1	190.5	151.0	17.0	731.6	5.2	MUY SEVERA	
Santa María Tecomavaca	5.2	2.7	3.6	2.6	507.3	369.2	140.9	23.0	448.1	1.5	EXTREMADAMENTE VASTA	
Santa María Temaxcalapa	3.3	1.1	1.4	0.4	376.4	175.4	268.8	16.0	1384.4	6.5	SEVERA	
Santa María Temaxcaltepec	4.1	1.6	1.8	1.1	406.7	484.3	225.9	15.0	1243.9	6.3	SEVERA	
Santa María Teopoxco	4.2	2.0	2.5	1.4	769.3	603.2	307.7	13.0	2046.6	4.5	MUY SEVERA	
Santa María Tepantlali	4.9	2.7	2.4	2.3	1181.9	1014.6	492.4	23.0	1578.3	4.8	MUY VASTA	
Santa María Texcatitlán	3.8	1.2	2.1	1.0	231.4	175.7	110.1	21.0	405.2	4.2	MUY VASTA	
Santa María Tlahuitoltepec	4.9	2.7	2.4	2.3	1181.9	1014.6	492.4	23.0	1578.3	4.8	MUY VASTA	
Santa María Tlaxiáctac	5.0	2.0	2.8	2.0	693.6	508.1	247.7	17.0	1142.1	3.8	MUY SEVERA	
Santa María Tonameca	3.5	0.5	1.9	0.8	261.5	183.9	137.6	16.0	745.9	4.4	SEVERA	
Santa María Totolapilla	3.5	1.5	2.3	0.9	563.6	383.2	245.0	26.0	696.2	1.9	MUY VASTA	
Santa María Xadani	3.2	1.1	1.7	0.9	456.9	318.5	269.9	30.0	617.5	3.6	VASTA	
Santa María Yalina	3.2	1.7	1.5	0.8	217.6	296.5	145.0	17.0	702.5	5.0	SEVERA	
Santa María Yavesla	4.3	1.7	2.2	1.0	359.0	219.6	163.1	16.0	850.7	4.8	MUY SEVERA	
Santa María Yolotepec	4.4	1.3	2.1	1.1	295.3	239.5	140.6	13.0	852.6	4.9	MUY SEVERA	
Santa María Yosoyúa	3.6	1.4	2.0	1.2	342.6	259.1	171.3	14.0	976.4	5.0	MUY SEVERA	
Santa María Yucuhiti	3.0	1.1	1.4	0.8	290.1	400.6	207.2	14.0	1242.3	2.3	SEVERA	
Santa María Zacatepec	4.7	1.4	3.1	2.9	1230.1	1257.1	396.8	18.0	1721.8	4.6	EXTREMADAMENTE SEVERA	
Santa María Zaniza	6.0	2.7	2.5	1.6	597.9	621.3	239.1	13.0	1529.6	5.9	MUY SEVERA	
Santa María Zoquitlán	3.4	2.9	1.8	2.6	175.6	271.6	97.5	22.0	337.1	6.7	VASTA	
Santiago Amoltepec	6.0	2.7	2.5	1.6	597.9	621.3	239.1	13.0	1529.6	5.9	MUY SEVERA	
Santiago Apoala	3.8	1.0	1.7	0.8	171.1	97.0	100.6	23.0	319.3	4.9	VASTA	
Santiago Apóstol	4.5	1.5	3.0	1.8	508.4	406.5	169.4	24.0	516.6	3.8	EXTREMADAMENTE VASTA	
Santiago Astata	3.7	1.4	2.0	1.0	362.3	248.8	181.1	19.0	766.7	4.4	MUY SEVERA	
Santiago Atitlán	4.9	2.7	2.4	2.3	1181.9	1014.6	492.4	23.0	1578.3	4.8	MUY VASTA	
Santiago Ayuquillilla	4.2	1.0	2.0	0.8	385.2	153.5	192.6	22.0	646.9	6.6	MUY VASTA	
Santiago Cacaloxtotec	5.6	1.6	2.2	0.4	234.9	56.2	106.7	16.0	556.8	5.5	MUY SEVERA	

Tabla C.151. Características de la sequía promedio de cada municipio del estado de Oaxaca.

Municipio	Características promedio de la sequía meteorológica municipal										Tipo de sequía Meteorológica
	Periodicidad		Duración		Severidad		Intensidad		Lluvia disponible		
	PerS(años)	DS(años)	PerS(años)	DS(años)	SS(mm)	SS(mm)	IS(mm/año) respecto a X ₀	% de IS	Hp disp S(mm)	Hp disp S(mm)	
Santiago Camotlán	6.0	2.3	3.3	1.6	901.6	226.2	273.2	11.0	2162.0	4.2	EXTREMADAMENTE SEVERA
Santiago Comaltepec	8.5	2.5	3.6	1.2	796.5	366.0	221.2	17.0	1072.0	4.4	EXTREMADAMENTE SEVERA
Santiago Chazumba	4.0	1.0	2.6	0.4	139.0	62.7	53.4	11.0	480.8	3.6	MUY SEVERA
Santiago Choapam	4.1	2.8	1.8	1.9	1049.8	1758.3	583.2	22.0	2021.5	6.1	VASTA
Santiago Del Rio	4.3	1.1	2.5	1.5	348.0	213.9	139.1	15.0	758.6	3.9	MUY SEVERA
Santiago Huajolotlán	4.2	1.0	2.7	2.2	381.1	309.6	141.1	19.0	563.8	5.1	MUY SEVERA
Santiago Huauclilla	3.3	1.3	1.8	1.3	256.9	132.4	142.7	26.0	393.8	6.5	VASTA
Santiago Ihuatlán Plumas	4.5	2.0	2.2	1.9	395.1	318.2	179.5	27.0	480.1	5.7	MUY VASTA
Santiago Ixcuintepec	5.0	2.5	2.3	2.2	875.8	958.7	380.7	22.0	1286.3	7.0	MUY VASTA
Santiago Ixtayutla	4.0	1.6	2.0	1.0	347.0	387.2	173.5	11.0	1370.7	5.2	MUY SEVERA
Santiago Jamiltepec	6.0	1.8	3.0	1.6	692.2	528.2	230.7	20.0	922.4	5.5	EXTREMADAMENTE SEVERA
Santiago Jocotepec	3.5	1.9	2.0	0.7	691.3	445.5	345.6	13.0	2180.5	4.6	MUY SEVERA
Santiago Juxtlahuaca	3.4	0.9	1.7	0.6	520.1	346.6	305.9	17.0	1477.3	6.7	SEVERA
Santiago Lachiguirí	3.5	1.5	2.3	0.9	563.6	383.2	245.0	26.0	656.2	1.9	MUY VASTA
Santiago Lalopa	4.3	1.6	2.8	2.0	690.5	440.8	246.6	11.0	1865.2	4.3	MUY SEVERA
Santiago Laotlaga	4.0	2.3	2.1	1.7	431.3	282.0	205.3	30.0	477.3	4.5	MUY VASTA
Santiago Laxopa	3.0	0.8	1.5	0.5	192.5	164.5	128.3	20.0	489.3	4.2	SEVERA
Santiago Llano Grande	6.7	0.8	2.6	1.4	895.8	675.7	344.5	17.0	1613.6	5.2	MUY SEVERA
Santiago Matatlán	4.2	1.5	2.5	1.1	336.8	279.6	134.7	22.0	466.6	3.6	MUY VASTA
Santiago Miltepec	4.4	1.2	2.3	1.6	259.6	195.6	112.8	19.0	474.9	4.6	MUY SEVERA
Santiago Minas	4.5	2.3	2.2	1.6	413.9	267.2	188.1	14.0	1143.3	5.7	MUY SEVERA
Santiago Nacaltepec	4.1	2.7	2.1	2.0	243.4	190.8	115.9	24.0	365.3	4.2	MUY VASTA
Santiago Nejapilla	4.2	0.9	2.3	2.2	342.1	375.8	148.7	19.0	629.5	4.9	MUY SEVERA
Santiago Nitlepec	7.3	2.6	2.5	1.1	709.4	430.6	283.7	28.0	704.2	6.3	MUY VASTA
Santiago Nundiche	6.0	2.4	2.8	2.6	327.6	480.9	117.0	18.0	526.0	3.9	MUY SEVERA
Santiago Nuyub	3.0	1.1	1.4	0.8	290.1	400.6	207.2	14.0	1232.3	2.3	SEVERA
Santiago Pinotepa Nacional	4.2	3.0	2.5	1.7	980.2	957.1	392.0	25.0	1143.1	3.5	MUY VASTA
Santiago Suchilquitongo	4.3	3.4	2.2	2.4	440.8	493.5	200.3	23.0	659.7	4.2	MUY VASTA
Santiago Tamazola	3.0	0.8	1.8	0.8	269.8	215.3	149.8	15.0	797.7	3.7	SEVERA
Santiago Tapextla	6.7	0.8	2.6	1.4	895.8	675.7	344.5	17.0	1613.6	5.2	MUY SEVERA
Santiago Tenango	3.7	1.1	2.0	0.8	269.6	176.5	134.8	19.0	551.5	4.4	MUY SEVERA
Santiago Tepetlapa	3.5	1.0	2.5	1.7	375.2	297.8	150.0	26.0	412.2	3.7	MUY VASTA
Santiago Tepepec	6.0	1.8	3.0	1.6	692.2	528.2	230.7	20.0	922.4	5.5	EXTREMADAMENTE SEVERA
Santiago Texcalcingo	4.2	2.0	2.5	1.4	1029.9	743.6	411.9	12.0	2911.9	4.6	MUY SEVERA
Santiago Textitlán	4.7	1.6	2.5	1.6	474.6	539.2	189.8	11.0	1398.8	6.1	MUY SEVERA
Santiago Tilantongo	4.8	0.9	2.2	1.1	504.2	530.0	229.1	21.0	843.6	4.7	MUY VASTA
Santiago Tilo	4.2	0.7	2.5	1.3	485.4	451.3	194.1	20.0	768.9	4.2	MUY SEVERA
Santiago Tlaxoyaltepec	4.4	2.1	2.3	1.1	292.6	210.1	127.2	16.0	658.8	4.0	MUY SEVERA

Tabla C.151. Características de la sequía promedio de cada municipio del estado de Oaxaca.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica	
	Periodicidad	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS	Intensidad			% de IS
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c	Hp disp S(mm)	Hp disp S(mm)			
Santiago Xanica	5.2	3.0	2.6	2.4	648.0	496.8	249.2	20.0	994.4	4.1	MUY SEVERA		
Santiago Xiacui	4.3	1.7	2.2	1.0	359.0	219.6	163.1	16.0	850.7	4.8	MUY SEVERA		
Santiago Yatepec	4.1	1.6	1.8	1.1	406.7	484.3	225.9	15.0	1243.9	6.3	SEVERA		
Santiago Yaveo	5.1	3.8	2.9	3.7	1605.9	2639.0	553.7	21.0	2046.1	4.3	MUY VASTA		
Santiago Yolomécatl	4.3	2.6	1.8	0.9	232.2	196.5	129.0	21.0	462.1	5.1	VASTA		
Santiago Yosondúa	5.1	2.8	2.8	1.9	404.1	242.0	144.3	14.0	874.4	3.9	MUY SEVERA		
Santiago Yucuyachi	3.0	0.8	1.8	0.8	269.8	215.3	149.8	15.0	797.7	3.7	SEVERA		
Santiago Zacatepec	3.6	1.6	1.6	0.9	1216.5	698.9	760.3	27.0	2033.3	5.5	VASTA		
Santiago Zochila	4.4	1.3	2.1	0.9	287.3	245.7	136.8	16.0	685.5	5.0	MUY SEVERA		
Santo Domingo Albarradas	4.0	2.0	2.3	2.1	448.2	649.1	194.8	14.0	1139.2	4.2	MUY SEVERA		
Santo Domingo Armenta	6.7	0.8	2.6	1.4	895.8	675.7	344.5	17.0	1613.6	5.2	MUY SEVERA		
Santo Domingo Chihuitán	4.0	2.3	2.1	1.7	431.3	282.0	205.3	30.0	477.3	4.5	MUY VASTA		
Santo Domingo de Morelos	3.5	0.5	1.9	0.8	261.5	183.9	137.6	15.0	745.9	4.4	SEVERA		
Santo Domingo Ingenio	4.0	2.3	2.0	1.4	432.5	285.5	216.2	23.0	692.2	3.8	MUY VASTA		
Santo Domingo Ixcatlán	5.1	2.8	2.8	1.9	404.1	242.0	144.3	14.0	874.4	3.9	MUY SEVERA		
Santo Domingo Nuxaa	4.0	1.9	2.0	1.2	320.5	244.7	160.2	18.0	714.8	5.0	MUY SEVERA		
Santo Domingo Ozolotepec	3.7	1.5	2.1	1.0	426.0	236.5	202.8	16.0	1002.2	3.8	MUY SEVERA		
Santo Domingo Petapa	5.2	3.7	2.5	2.6	774.6	1065.0	309.8	21.0	1098.7	4.3	MUY VASTA		
Santo Domingo Roayaga	3.1	0.5	2.1	1.4	504.5	403.1	240.2	15.0	1285.7	3.7	MUY SEVERA		
Santo Domingo Tehuantepec	3.8	1.6	2.0	1.0	442.3	255.4	221.1	26.0	608.4	4.8	MUY VASTA		
Santo Domingo Teojomulco	3.5	0.4	1.6	0.9	476.0	828.6	297.5	14.0	1721.6	6.0	SEVERA		
Santo Domingo Tepuxtepec	6.1	2.5	2.7	1.8	528.4	328.3	195.7	26.0	543.8	5.4	MUY VASTA		
Santo Domingo Tlatayapam	4.2	0.9	2.3	2.2	342.1	375.8	148.7	19.0	629.5	4.9	MUY SEVERA		
Santo Domingo Tomaltepec	5.0	1.8	2.2	1.0	262.5	123.3	119.3	17.0	553.3	4.2	MUY SEVERA		
Santo Domingo Tonalá	3.7	1.6	1.8	1.0	280.2	185.8	155.6	18.0	667.1	5.9	SEVERA		
Santo Domingo Tonaltepec	2.5	0.5	1.5	0.4	226.5	114.2	151.0	24.0	471.6	4.0	VASTA		
Santo Domingo Xagacia	3.0	0.8	1.5	0.5	192.5	164.5	128.3	20.0	489.3	4.2	SEVERA		
Santo Domingo Yanhuitlán	5.0	1.9	1.8	0.8	430.9	264.1	239.3	27.0	630.4	5.4	VASTA		
Santo Domingo Yodohino	3.3	1.0	2.0	0.5	393.9	394.1	196.9	17.0	939.9	4.6	MUY SEVERA		
Santo Domingo Zanatepec	3.1	0.7	1.5	0.6	442.7	317.3	295.1	21.0	1055.1	4.7	VASTA		
Santo Tomás Jalieza	4.5	1.5	3.0	1.8	508.4	406.5	169.4	24.0	515.6	3.8	EXTREMADAMENTE VASTA		
Santo Tomás Mazaltepec	3.4	1.2	1.7	1.0	157.9	153.9	92.8	12.0	625.3	5.1	SEVERA		
Santo Tomás Ocotepec	2.7	0.6	1.2	0.4	226.1	224.5	188.4	19.0	769.0	7.5	SEVERA		
Santo Tomás Tamazulapam	3.0	0.5	3.5	1.5	1056.6	85.0	301.8	18.0	1306.2	3.9	EXTREMADAMENTE SEVERA		
Santos Reyes Nopala	4.1	1.6	1.8	1.1	385.5	415.2	214.1	14.0	1247.8	5.9	SEVERA		
Santos Reyes Pápalo	5.2	2.5	2.8	2.1	487.1	344.7	173.9	18.0	789.9	4.1	MUY SEVERA		
Santos Reyes Tepejillo	4.3	0.8	2.5	0.9	218.5	177.0	87.4	14.0	504.6	4.0	MUY SEVERA		
Santos Reyes Yucuná	5.3	1.8	2.0	0.7	334.1	240.0	167.0	24.0	518.7	6.2	MUY VASTA		

Tabla C.151. Características de la sequía promedio de cada municipio del estado de Oaxaca.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad PerS(años)	DesvStd PerS(años)	Duración DS(años)	DesvStd DS(años)	Severidad SS(mm)	DesvStd SS(mm)	Intensidad IS(mm/año)	% de IS respecto a X.	Reserva disponible Hp disp (mm)	Hp disp S(mm)		
Silacayoapam	3.0	0.8	1.8	0.8	269.8	215.3	149.8	15.0	797.7	3.7	SEVERA	
Sitio de Xilapehua	3.5	1.1	2.1	0.9	224.5	162.7	106.9	17.0	492.3	3.9	MUY SEVERA	
Soledad Etla	3.1	1.1	1.4	0.6	188.3	147.9	134.5	18.0	582.5	5.6	SEVERA	
Tamazulapam del Espíritu S.	4.9	2.7	2.4	2.3	1181.9	1014.6	492.4	23.0	1578.3	4.8	MUY VASTA	
Tanetze de Zaragoza	3.3	1.1	1.4	0.4	376.4	175.4	268.8	16.0	1334.4	6.5	SEVERA	
Taniche	5.0	1.2	2.5	1.2	256.5	121.7	102.5	15.0	554.5	5.6	MUY SEVERA	
Tataltepec de Valdés	6.0	1.8	3.0	1.6	692.2	526.2	230.7	20.0	922.4	5.5	EXTREMADAMENTE SEVERA	
Teococulco de Marcos Pérez	3.8	0.8	2.5	1.1	332.5	165.9	133.0	17.0	613.1	4.3	MUY SEVERA	
Teotitlán de Flores Magón	5.7	2.4	2.6	1.6	306.8	108.1	118.0	24.0	359.9	5.5	MUY VASTA	
Teotitlán del Valle	5.0	2.9	2.5	2.4	366.9	255.2	146.7	16.0	761.2	5.0	MUY SEVERA	
Teotongo	3.2	1.3	1.5	0.8	270.0	174.9	180.0	30.0	400.0	5.3	VASTA	
Tepeimeme Villa de Morelos	4.7	0.4	2.8	0.8	334.0	228.0	119.2	21.0	447.5	4.3	MUY VASTA	
Tezoatlán de Segura y Luna	5.3	1.8	2.2	0.4	230.9	25.9	104.9	15.0	562.3	4.2	MUY SEVERA	
Tlacolula de Metamoras	4.4	1.7	2.5	1.8	224.3	151.9	89.7	19.0	376.2	4.4	MUY SEVERA	
Tlacotepec Plumas	4.5	2.0	2.2	1.9	395.1	318.2	179.5	27.0	480.1	5.7	MUY VASTA	
Tlaxiactac de Cabrera	4.1	2.1	2.1	1.6	234.1	177.3	111.4	15.0	607.0	4.6	MUY SEVERA	
Totontepec Villa de Morelos	3.8	1.3	2.8	3.3	1306.9	2154.8	466.7	27.0	1228.4	3.8	MUY VASTA	
Trinidad Vista Hermosa, La	3.2	1.3	1.5	0.8	270.0	174.9	180.0	30.0	400.0	5.3	VASTA	
Trinidad Zaachila	4.5	1.2	2.2	1.5	303.8	316.3	138.0	21.0	489.5	5.3	MUY VASTA	
Unión Hidalgo	4.0	2.3	2.0	1.4	432.5	285.5	216.2	23.0	692.2	3.8	MUY VASTA	
Valerio Trujano	3.7	1.3	2.0	1.2	243.9	202.3	121.9	23.0	398.6	4.6	MUY VASTA	
Villa de Chilapa de Díaz	3.5	1.1	2.0	0.8	403.4	244.1	201.6	12.0	1388.2	5.3	MUY SEVERA	
Villa de Etla	3.1	1.1	1.4	0.6	188.3	147.9	134.5	18.0	582.5	5.6	SEVERA	
Villa de Tamazulapam	3.5	1.0	2.3	0.9	263.0	168.6	114.3	14.0	663.9	4.0	MUY SEVERA	
Villa de Tututepec	4.3	2.2	2.4	1.6	380.7	336.9	158.6	12.0	1159.6	4.0	MUY SEVERA	
Villa de Zaachila	4.5	1.2	2.2	1.5	303.8	316.3	138.0	21.0	489.5	5.3	MUY VASTA	
Villa Díaz Ordaz	4.5	1.6	2.8	1.7	404.9	408.2	144.6	15.0	807.2	5.3	MUY SEVERA	
Villa Hidalgo	4.5	2.1	2.5	1.8	319.6	236.9	127.8	16.0	650.9	4.3	MUY SEVERA	
Villa Sola de Vega	3.6	0.9	1.9	1.1	279.3	335.7	147.0	12.0	998.2	4.5	SEVERA	
Villa Tafea de Castro	3.3	1.1	1.4	0.4	376.4	175.4	268.8	16.0	1334.4	6.5	SEVERA	
Villa Tejupam de la Unión	3.6	1.1	1.8	1.1	197.8	120.5	123.6	23.0	410.5	5.8	VASTA	
Yaxe	3.7	1.9	1.8	1.4	193.6	227.4	107.5	25.0	319.1	6.0	VASTA	
Yogana	4.1	1.3	2.7	1.4	271.6	232.5	100.5	13.0	655.5	4.9	MUY SEVERA	
Yutanduchi de Guerrero	4.8	0.9	2.2	1.1	504.2	530.0	229.1	21.0	843.6	4.7	MUY VASTA	
Zapotitlán Del Río	4.7	1.6	2.5	1.6	474.6	539.2	189.8	11.0	1398.8	6.1	MUY SEVERA	
Zapotitlán Lagunas	3.0	0.8	1.8	0.8	269.8	215.3	149.8	15.0	797.7	3.7	SEVERA	
Zapotitlán Palmas	4.8	1.6	2.2	1.3	320.0	263.8	145.4	19.0	589.6	5.8	MUY SEVERA	
Zimatlán de Alvarez	4.5	1.2	2.2	1.5	303.8	316.3	138.0	21.0	489.5	5.3	MUY VASTA	
Estatad	3.7	1.3	2.0	1.1	318.3	403.6	159.1	11.0	1244.6	5.1	MUY SEVERA	

Tabla C.151. Características de la sequía promedio de cada municipio del estado de Oaxaca.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I'	Intensidad	Duración / máx.	% de $I_{máx}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I'(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Abejones	840.8	5.0	168.1	19.0	259.1	2.0	29.0	20.0	20.0	20.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0
Acatlán de P.F.	1699.9	3.0	566.6	32.0	566.6	3.0	32.0	40.0	20.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
Ánimas Trujado	666.0	5.0	133.2	20.0	185.0	1.0	27.0	50.0	20.0	20.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
Asunción Cac.	2832.1	5.0	566.4	27.0	1114.9	1.0	53.0	71.4	0.0	0.0	0.0	14.2	0.0	14.2	0.0	0.0	0.0
Asunción Cuy.	1497.9	9.0	166.4	23.0	256.6	2.0	36.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0
Asunción I.	1102.0	5.0	220.4	20.0	285.5	3.0	26.0	37.5	25.0	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Asunción N.	817.7	5.0	163.5	18.0	513.5	1.0	58.0	44.4	33.3	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0
Asunción O.	407.3	4.0	101.8	15.0	169.9	2.0	25.0	42.8	28.5	0.0	4.2	14.2	0.0	0.0	0.0	0.0	0.0
Asunción T.	1452.0	4.0	363.0	34.0	585.2	1.0	55.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Aloquezcó	407.3	4.0	101.8	15.0	169.9	2.0	25.0	42.8	28.5	0.0	4.2	14.2	0.0	0.0	0.0	0.0	0.0
Ayotzintepéc	3187.1	2.0	1593.5	45.0	1593.5	2.0	45.0	42.8	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barrio, El	3736.3	10.0	373.6	26.0	546.7	1.0	38.0	50.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
Callihualá	699.9	3.0	233.3	24.0	233.3	3.0	24.0	46.1	23.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Candelaria L.	2116.2	8.0	264.5	28.0	264.5	8.0	28.0	50.0	16.6	16.6	0.0	0.0	0.0	0.0	16.6	0.0	0.0
Capulalpam	742.5	1.0	742.5	55.0	742.5	1.0	55.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ciénega de Z.	788.1	3.0	262.7	41.0	262.7	3.0	41.0	57.1	0.0	14.2	4.2	14.2	0.0	0.0	0.0	0.0	0.0
Ciudad Ixtepec	1048.2	4.0	262.0	25.0	262.0	4.0	25.0	37.5	25.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Coatecas Altas	384.5	3.0	128.1	19.0	175.9	2.0	26.0	16.6	50.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Coicoyán	1480.6	3.0	493.5	32.0	493.5	3.0	32.0	33.3	16.6	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Compañía, La	384.5	3.0	128.1	19.0	175.9	2.0	26.0	16.6	50.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Concepción B.	635.2	4.0	158.8	30.0	159.5	2.0	30.0	28.5	42.8	14.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0
Concepción P.	513.3	5.0	102.6	15.0	337.4	1.0	51.0	62.5	0.0	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Constancia	1723.5	4.0	430.8	18.0	1017.4	1.0	44.0	57.1	28.5	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0
Cosolopa	1429.2	5.0	285.8	22.0	285.8	5.0	22.0	20.0	60.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Cosoltepec	205.7	3.0	68.5	14.0	78.2	2.0	16.0	0.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cuillapam de G.	666.0	5.0	133.2	20.0	185.0	1.0	27.0	50.0	20.0	20.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
Cuyamecalco	513.3	5.0	102.6	15.0	337.4	1.0	51.0	62.5	0.0	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Acuites	1900.3	5.0	380.0	23.0	476.7	2.0	29.0	42.8	14.2	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0
Chalcatongo	552.9	3.0	184.3	19.0	486.0	1.0	52.0	14.2	28.5	42.8	4.2	0.0	0.0	0.0	0.0	0.0	0.0
Chiquihuitán	1336.2	3.0	445.4	32.0	445.4	3.0	32.0	33.3	16.6	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Eloxochitlán	2805.2	6.0	467.5	14.0	764.3	2.0	22.0	12.5	62.5	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Espinal, El	1023.0	7.0	146.1	14.0	382.0	2.0	37.0	40.0	30.0	20.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
Fresnillo de T.	627.9	3.0	209.3	24.0	383.5	1.0	45.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Guadalupe R.	699.9	3.0	233.3	24.0	233.3	3.0	24.0	46.1	23.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Guadalupe Etla	455.8	2.0	227.9	31.0	379.0	1.0	52.0	58.3	33.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Guelatao de J.	741.7	6.0	123.6	14.0	317.1	1.0	38.0	63.6	27.2	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0
Guevea de H.	816.1	4.0	204.0	16.0	245.7	3.0	19.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0
H. C. Ejuña	384.5	3.0	128.1	19.0	175.9	2.0	26.0	16.6	50.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0

Tabla C.152. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Oaxaca.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^m =Smáx/Dmáx	% de I ^m	Intensidad	Duración / máx	% de I / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I ^m (mm/año)	respecto a X _s	I máx(mm/año)	D / máx(años)	respecto a X _d	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
H.C. Huajuapán	683.2	2.0	341.6	47.0	341.6	2.0	47.0	22.2	44.4	11.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0
H.C. Tlaxiaco	497.4	2.0	248.7	29.0	248.7	2.0	29.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Huautepec	1452.2	6.0	242.0	9.0	778.9	1.0	29.0	50.0	37.5	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Huautla de J.	1452.2	6.0	242.0	9.0	778.9	1.0	29.0	50.0	37.5	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Ixpantepec N.	698.6	3.0	232.8	24.0	524.8	1.0	55.0	33.3	33.3	25.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0
Ixtlán de J.	2542.0	6.0	423.6	19.0	423.6	6.0	19.0	16.6	50.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Juchitán de Z.	1023.0	7.0	146.1	14.0	382.0	2.0	37.0	40.0	30.0	20.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
Loma Bonita	1350.6	3.0	450.2	18.0	450.2	3.0	18.0	55.5	33.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Magdalena Apa.	455.8	2.0	227.9	31.0	379.0	1.0	52.0	58.3	33.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Magdalena Jal.	817.7	5.0	163.5	18.0	513.5	1.0	58.0	44.4	33.3	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0
Magdalena Mix.	769.3	3.0	256.4	39.0	256.4	3.0	39.0	42.8	14.2	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Magdalena O.	407.3	4.0	101.8	15.0	169.9	2.0	25.0	42.8	28.5	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Magdalena P.	1365.4	6.0	227.5	17.0	393.0	2.0	30.0	62.5	12.5	0.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0
Magdalena Tei.	451.0	5.0	90.2	14.0	354.8	1.0	57.0	27.2	45.4	9.0	9.0	9.0	0.0	0.0	0.0	0.0	0.0
Magdalena Teq.	1036.4	8.0	129.5	19.0	257.4	3.0	39.0	40.0	40.0	10.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
Magdalena Tlac.	822.2	4.0	205.5	23.0	617.7	1.0	70.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Magdalena Y.	1072.4	7.0	153.1	19.0	231.3	1.0	29.0	66.6	0.0	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Magdalena Z.	1072.4	7.0	153.1	19.0	231.3	1.0	29.0	66.6	0.0	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Mariscal de J.	627.9	3.0	209.3	24.0	383.5	1.0	45.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mártires de T.	1771.0	3.0	590.3	30.0	590.3	3.0	30.0	40.0	0.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Matías Romero	1603.7	2.0	801.8	31.0	801.8	2.0	31.0	37.5	50.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mazatlán V. F.	1452.2	6.0	242.0	9.0	778.9	1.0	29.0	50.0	37.5	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Mesones H.	1723.5	4.0	430.8	18.0	1017.4	1.0	44.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Miahuatlán P.	461.0	3.0	153.6	23.0	183.3	2.0	28.0	42.8	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mixistlán R.	908.7	6.0	151.4	19.0	325.1	1.0	41.0	50.0	12.5	0.0	25.0	0.0	12.5	0.0	0.0	0.0	0.0
Monjas	446.5	4.0	111.6	18.0	176.2	2.0	28.0	38.4	46.1	7.6	7.6	0.0	0.0	0.0	0.0	0.0	0.0
Natividad	742.5	1.0	742.5	55.0	742.5	1.0	55.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nazareno Etla	521.3	4.0	130.3	18.0	130.3	4.0	18.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Nejapa de M.	966.2	3.0	322.0	34.0	322.0	3.0	34.0	33.3	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nuevo Zoquiá.	493.3	3.0	164.4	22.0	228.5	1.0	31.0	60.0	30.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oaxaca de J.	424.1	2.0	212.0	31.0	212.0	2.0	31.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Ocotlán de M.	407.3	4.0	101.8	15.0	169.9	2.0	25.0	42.8	28.5	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Pe, La	384.5	3.0	128.1	19.0	175.9	2.0	26.0	16.6	50.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Pinotepa de D.L.	3161.3	7.0	451.6	29.0	679.8	2.0	44.0	22.2	55.5	0.0	11.1	0.0	0.0	11.1	0.0	0.0	0.0
Pluma Hidalgo	2116.2	8.0	264.5	28.0	264.5	8.0	28.0	50.0	16.6	16.6	0.0	0.0	0.0	0.0	16.6	0.0	0.0
Putla Villa de G.	1723.5	4.0	430.8	18.0	1017.4	1.0	44.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Reforma de P.	2860.0	6.0	476.6	37.0	698.2	1.0	54.0	54.5	36.3	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0
Reforma, La	1981.1	5.0	396.2	20.0	548.0	3.0	28.0	25.0	0.0	25.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0

Tabla C.152. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Oaxaca.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I^*(mm/a\acute{o}o)$	respecto a X_c	$I_{m\acute{a}x}(mm/a\acute{o}o)$	$D_{m\acute{a}x}(a\acute{o}s)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Reyes Etd	521.3	4.0	130.3	18.0	130.3	4.0	18.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Rojas de Cuau.	501.5	5.0	100.3	15.0	213.2	1.0	32.0	37.5	25.0	0.0	12.5	12.5	12.5	0.0	0.0	0.0	0.0
Salinas Cruz	1105.9	4.0	276.4	33.0	276.4	4.0	33.0	37.5	25.0	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn A. Amatango	833.5	3.0	277.8	36.0	277.8	3.0	36.0	12.5	50.0	12.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0
Sn A Atenango	698.6	3.0	232.8	24.0	524.8	1.0	55.0	33.3	33.3	25.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0
Sn A Chayuco	3109.8	7.0	444.2	29.0	444.2	7.0	29.0	25.0	37.5	0.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0
Sn A De las J.	666.0	5.0	133.2	20.0	185.0	1.0	27.0	50.0	20.0	20.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
Sn A Elba	455.8	2.0	227.9	31.0	379.0	1.0	52.0	58.3	33.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn A Loxicha	565.1	3.0	188.3	15.0	298.3	1.0	24.0	44.4	33.3	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn A Tlacotepec	1365.4	6.0	227.5	17.0	393.0	2.0	30.0	62.5	12.5	0.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0
Sn A Yatarieni	424.1	2.0	212.0	31.0	212.0	2.0	31.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Sn An Cab. Nva	1081.0	3.0	360.3	20.0	506.3	2.0	29.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn An Dinculit	298.5	3.0	99.5	14.0	141.5	2.0	21.0	0.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn An Huaxp.	3161.3	7.0	451.6	29.0	679.8	2.0	44.0	22.2	55.5	0.0	11.1	0.0	0.0	11.1	0.0	0.0	0.0
Sn An Huaya.	424.1	2.0	212.0	31.0	212.0	2.0	31.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Sn An Ixtlah.	521.3	4.0	130.3	18.0	130.3	4.0	18.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Sn An Lagunas	543.1	3.0	181.0	31.0	250.4	2.0	43.0	62.5	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn An Muxi/ho	817.7	5.0	163.5	18.0	513.5	1.0	58.0	44.4	33.3	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0
Sn An Paxtlán	1141.7	5.0	228.3	14.0	485.8	2.0	30.0	0.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0
Sn An Sinaxtlá	1248.0	6.0	249.6	25.0	293.7	2.0	30.0	33.3	16.6	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Sn An Solaga	852.8	3.0	284.2	33.0	284.2	3.0	33.0	66.6	11.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn An Teotilap.	1725.3	3.0	575.1	15.0	602.5	1.0	16.0	57.1	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn An Tepetitla	699.9	3.0	233.3	24.0	233.3	3.0	24.0	46.1	23.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn An Yaa	1451.2	6.0	241.6	15.0	370.5	2.0	24.0	30.0	50.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
Sn An Zabache	384.5	3.0	128.1	19.0	175.9	2.0	26.0	16.6	50.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Sn An Zautla	521.3	4.0	130.3	18.0	130.3	4.0	18.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ant Castillo V.	1146.4	4.0	286.6	41.0	287.7	1.0	41.0	22.2	33.3	11.1	11.1	0.0	22.2	0.0	0.0	0.0	0.0
Sn Ant El Alto	2652.7	4.0	663.1	32.0	663.1	4.0	32.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ant Montev.	1340.4	2.0	670.2	61.0	670.2	2.0	61.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ant Acuña	777.6	2.0	388.8	72.0	388.8	2.0	72.0	42.8	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ant De la Cal	666.0	5.0	133.2	20.0	185.0	1.0	27.0	50.0	20.0	20.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
Sn Ant Huixtepec	2652.7	4.0	663.1	32.0	663.1	4.0	32.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ant Nanah.	277.9	5.0	55.5	15.0	108.1	2.0	29.0	0.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
Sn Ant Sinicahuá	871.5	3.0	290.5	24.0	304.1	1.0	25.0	42.8	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ant Tepetitla	1771.0	3.0	590.3	30.0	590.3	3.0	30.0	40.0	0.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Sn Bal. Chichic.	780.1	7.0	111.4	21.0	201.9	2.0	38.0	22.2	22.2	0.0	33.3	11.1	0.0	11.1	0.0	0.0	0.0
Sn Bal. Loxicha	611.8	2.0	305.9	31.0	371.3	1.0	37.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Bal Yatzachi B.	777.0	3.0	259.0	31.0	259.0	3.0	31.0	37.5	12.5	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.152. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Oaxaca.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración I máx	% de I máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{I_{máx}}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Sn Bar. Ayautla	829.7	1.0	829.7	23.0	829.7	1.0	23.0	75.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Bar. Coyotepec	788.1	3.0	262.7	41.0	262.7	3.0	41.0	57.1	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Sn Bar. Soyatepec	515.1	1.0	515.1	79.0	515.1	1.0	79.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Bar. Yautepec	1452.0	4.0	363.0	34.0	585.2	1.0	55.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Sn Bar. Loxicha	611.8	2.0	305.9	31.0	371.3	1.0	37.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Bar. Quijalana	887.8	4.0	221.9	36.0	251.8	2.0	41.0	30.0	10.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Bar. Yucuañe	1422.6	4.0	355.6	33.0	355.6	4.0	33.0	37.5	25.0	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Bar. Zoogocho	852.8	3.0	284.2	33.0	284.2	3.0	33.0	66.6	11.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Bar. Mixtepec	1319.1	4.0	329.7	24.0	329.7	4.0	24.0	33.3	16.6	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Sn Blas Atempa	1119.4	4.0	279.8	33.0	279.8	4.0	33.0	37.5	37.5	0.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0
Sn Carlos Yautla	793.3	4.0	198.3	24.0	378.7	2.0	46.0	45.4	27.2	18.1	9.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Cris. Amatlán	1506.3	7.0	215.1	28.0	298.6	1.0	39.0	30.0	50.0	10.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
Sn Cris. Amotep.	1365.4	6.0	227.5	17.0	393.0	2.0	30.0	62.5	12.5	0.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0
Sn Cris. Lachirio.	852.8	3.0	284.2	33.0	284.2	3.0	33.0	66.6	11.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Cris. Suchix.	361.1	2.0	180.5	33.0	229.6	1.0	42.0	66.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Sn Dio. del Mar	2118.5	6.0	353.0	36.0	480.1	2.0	49.0	44.4	33.3	0.0	0.0	0.0	11.1	11.1	0.0	0.0	0.0
Sn Dio. Ocotep.	824.9	6.0	137.4	32.0	186.1	2.0	43.0	58.3	25.0	8.3	0.0	0.0	8.3	0.0	0.0	0.0	0.0
Sn Dio. Ocotlán	407.3	4.0	101.8	15.0	169.9	2.0	25.0	42.8	28.5	0.0	4.2	14.2	0.0	0.0	0.0	0.0	0.0
Sn E. Atlatlahuca	1316.8	3.0	438.9	30.0	438.9	3.0	30.0	77.7	0.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn F. Jalapa de D.	829.7	1.0	829.7	23.0	829.7	1.0	23.0	75.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Felipe Tejalá	521.3	4.0	130.3	18.0	130.3	4.0	18.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Sn Felipe Usila	1725.3	3.0	575.1	15.0	602.5	1.0	16.0	57.1	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Fco. Cahuac.	1447.9	3.0	482.6	42.0	512.6	1.0	45.0	55.5	33.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Fco. Cajones	471.8	2.0	235.9	38.0	235.9	2.0	38.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Fco. Chapula.	1336.2	3.0	445.4	32.0	445.4	3.0	32.0	33.3	16.6	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Sn Fco. Chindúa	1248.0	5.0	249.6	25.0	293.7	2.0	30.0	33.3	16.6	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Sn Fco. Del Mar	1326.2	6.0	221.0	19.0	221.0	6.0	19.0	50.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0
Sn Fco. Huehue.	2805.2	6.0	467.5	14.0	764.3	2.0	22.0	12.5	62.5	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Sn Fco. Ixhuatlán	1606.5	6.0	267.7	28.0	303.3	1.0	32.0	50.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0
Sn Fco. Jaltepec.	1072.4	7.0	153.1	19.0	231.3	1.0	29.0	66.6	0.0	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Sn Fco. Lachigolá	501.5	5.0	100.3	15.0	213.2	1.0	32.0	37.5	25.0	0.0	12.5	12.5	12.5	0.0	0.0	0.0	0.0
Sn Fco. Loqueche	1506.3	7.0	215.1	28.0	298.6	1.0	39.0	30.0	50.0	10.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
Sn Fco. Nuxaño	1072.4	7.0	153.1	19.0	231.3	1.0	29.0	66.6	0.0	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Sn Fco. Ozolotepec.	1639.7	8.0	204.9	16.0	597.8	1.0	48.0	33.3	50.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0	0.0
Sn Fco. Sola	833.5	3.0	277.8	36.0	277.8	3.0	36.0	12.5	50.0	12.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0
Sn Fco. Tetixtlah.	564.1	4.0	141.0	24.0	314.0	1.0	53.0	50.0	37.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Sn Fco. Teopan	974.3	6.0	162.3	24.0	374.0	1.0	56.0	60.0	20.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
Sn Fco. Tlapanc.	699.9	3.0	233.3	24.0	233.3	3.0	24.0	46.1	23.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.152. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Oaxaca.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^m Smáx/Dmáx	% de I ^m	Intensidad	Duración / máx	% de I / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I ^m (mm/año)	respecto a X _s	I máx(mm/año)	D / máx(años)	respecto a X _s	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Sn Gabriel Muxi	611.8	2.0	305.9	31.0	371.3	1.0	37.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Idefonso A	1141.7	5.0	228.3	14.0	485.8	2.0	30.0	0.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0
Sn Idefonso Solá	1314.1	4.0	328.5	24.0	328.5	4.0	24.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Sn Idefonso V A	1451.2	6.0	241.8	15.0	370.5	2.0	24.0	30.0	50.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
Sn Ja Amilpas	675.3	4.0	168.8	22.0	406.2	1.0	54.0	55.5	22.2	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ja Tlacotepec	2652.7	4.0	663.1	32.0	663.1	4.0	32.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Sn Je Coatlán	786.1	3.0	262.0	31.0	314.4	1.0	38.0	54.5	36.3	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Je Silacay	933.8	4.0	233.4	31.0	233.4	4.0	31.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Je Sosota	672.8	4.0	168.2	24.0	171.2	2.0	24.0	25.0	62.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Sn Je Taviche	780.1	7.0	111.4	21.0	201.9	2.0	38.0	22.2	22.2	0.0	33.3	11.1	0.0	11.1	0.0	0.0	0.0
Sn Je Tecoaht	2805.2	6.0	467.5	14.0	764.3	2.0	22.0	12.5	62.5	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Sn Je Tlacochah	450.8	2.0	225.4	48.0	225.4	2.0	48.0	40.0	20.0	20.0	10.0	0.0	0.0	0.0	10.0	0.0	0.0
Sn Jor Nuchita	550.2	4.0	137.5	16.0	212.9	2.0	25.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Sn Jo Ayuquila	1226.9	5.0	245.3	33.0	354.3	2.0	48.0	25.0	37.5	0.0	12.5	25.0	0.0	0.0	0.0	0.0	0.0
Sn Jo Chiltapec	1354.6	2.0	677.3	23.0	916.0	1.0	31.0	45.4	45.4	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Jo del Peñasco	1141.7	5.0	228.3	14.0	485.8	2.0	30.0	0.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0
Sn Jo del Progreso	384.5	3.0	128.1	19.0	175.9	2.0	26.0	16.6	50.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Sn Jo Estancia G	1771.0	3.0	590.3	30.0	590.3	3.0	30.0	40.0	0.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Sn Jo Independ	4445.3	4.0	1111.3	24.0	1111.3	4.0	24.0	28.5	14.2	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Sn Jo Lachiguiri	1506.3	7.0	215.1	28.0	298.6	1.0	39.0	30.0	50.0	10.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
Sn Jo Tenango	1720.6	2.0	860.3	21.0	1061.5	1.0	26.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ju. Achiutla	467.0	2.0	233.5	35.0	233.5	2.0	35.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ju. Atapec	840.8	5.0	168.1	19.0	259.1	2.0	29.0	20.0	20.0	20.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0
Sn Ju. B Atatlán	570.3	5.0	114.0	24.0	206.5	1.0	44.0	66.6	11.1	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0
Sn Ju B Coixtlán	637.3	6.0	106.2	21.0	372.6	1.0	75.0	37.5	37.5	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Sn Ju B Cuicatlán	604.0	4.0	151.0	30.0	292.1	1.0	58.0	50.0	20.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ju B Guelache	455.8	2.0	227.9	31.0	379.0	1.0	52.0	58.3	33.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ju B Jayacatlán	740.7	5.0	148.1	22.0	319.7	1.0	47.0	71.4	0.0	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Sn Ju B lo de Soto	1771.0	3.0	590.3	30.0	590.3	3.0	30.0	40.0	0.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Sn Ju B Suchit	615.2	6.0	102.5	17.0	206.7	2.0	35.0	37.5	37.5	0.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0
Sn Ju B Tlacoatz	1725.3	3.0	575.1	15.0	602.5	1.0	16.0	57.1	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ju B Tlachichilco	699.9	3.0	233.3	24.0	233.3	3.0	24.0	46.1	23.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ju B Tuxtpec	2805.6	2.0	1402.8	60.0	1402.8	2.0	60.0	66.6	25.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ju B Valle N.	1020.5	2.0	510.2	14.0	901.8	1.0	25.0	50.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ju Cacah.	1771.0	3.0	590.3	30.0	590.3	3.0	30.0	40.0	0.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Sn Ju Cieneg.	699.9	3.0	233.3	24.0	233.3	3.0	24.0	46.1	23.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ju Coatzco.	2597.3	4.0	649.3	19.0	707.2	2.0	21.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ju Colorado	3109.8	7.0	444.2	29.0	444.2	7.0	29.0	25.0	37.5	0.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0

Tabla C.152. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Oaxaca.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^m Smáx/Dmáx	% de I ^m	Intensidad	Duración / máx	% de I / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I ^m (mm/año)	respecto a X _c	I máx(mm/año)	D / máx(años)	respecto a X _c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
San Juan Comalte.	5592.2	7.0	798.8	30.0	798.8	7.0	30.0	75.0	12.5	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0
San Juan Cotzocón	4139.6	4.0	1034.9	55.0	1034.9	4.0	55.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Sn Jn Chicomez.	741.7	6.0	123.6	14.0	317.1	1.0	38.0	63.6	27.2	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0
San Juan Chilataca	1146.4	4.0	286.6	41.0	287.7	1.0	41.0	22.2	33.3	11.1	11.1	0.0	22.2	0.0	0.0	0.0	0.0
Sn Jn De los Cues	875.3	2.0	438.1	29.0	524.2	1.0	35.0	86.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Jn Del Estado	970.8	4.0	242.7	33.0	311.1	1.0	42.0	50.0	16.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
San Juan Del Rio	2832.1	5.0	566.4	27.0	1114.9	1.0	53.0	71.4	0.0	0.0	0.0	14.2	0.0	14.2	0.0	0.0	0.0
San Juan Diuxi	1422.6	4.0	355.6	33.0	355.6	4.0	33.0	37.5	25.0	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Jn Evang. A.	840.8	5.0	168.1	19.0	259.1	2.0	29.0	20.0	20.0	20.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0
San Juan Guelaviá	444.4	3.0	148.1	26.0	300.5	1.0	53.0	37.5	37.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
San Juan Guichicovi	1392.9	4.0	348.2	14.0	517.0	1.0	20.0	50.0	37.5	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
San Juan Ihuatlepe.	699.9	3.0	233.3	24.0	233.3	3.0	24.0	46.1	23.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Jn Juquila Mix.	4758.2	5.0	951.6	37.0	2108.0	1.0	83.0	66.6	11.1	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0
Sn Jn Juquila Vija.	641.9	1.0	641.9	40.0	641.9	1.0	40.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
San Juan Lachao	910.3	3.0	303.4	25.0	303.4	3.0	25.0	37.5	50.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
San Juan Lachigalla	1176.8	8.0	147.1	23.0	147.1	8.0	23.0	11.1	44.4	22.2	0.0	11.1	0.0	0.0	11.1	0.0	0.0
San Juan Lajarcia	880.0	6.0	146.6	21.0	485.8	1.0	70.0	50.0	25.0	16.6	0.0	0.0	8.3	0.0	0.0	0.0	0.0
San Juan Lalana	2710.7	4.0	677.6	25.0	1299.6	1.0	48.0	55.5	11.1	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0
San Juan Mazatlán	1789.0	7.0	255.5	10.0	461.7	1.0	18.0	50.0	0.0	0.0	16.6	16.6	0.0	16.6	0.0	0.0	0.0
San Juan Mixtepec	691.9	4.0	172.9	14.0	345.8	2.0	28.0	37.5	25.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
San Juan Mixtepec	515.9	4.0	128.9	21.0	129.9	3.0	21.0	16.6	33.3	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
San Juan Numi	536.0	4.0	134.0	23.0	134.0	4.0	23.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
San Juan Ozolotepe.	691.9	4.0	172.9	14.0	345.8	2.0	28.0	37.5	25.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
San Juan Petlapa	296.9	2.0	148.4	20.0	284.3	1.0	39.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
San Juan Quiahije	1011.1	5.0	202.2	14.0	321.7	1.0	23.0	62.5	12.5	0.0	0.0	12.5	12.5	0.0	0.0	0.0	0.0
San Juan Quiotepec	1235.2	5.0	247.0	19.0	407.5	2.0	31.0	0.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0
San Juan Sayulitepec	1248.0	5.0	249.6	25.0	293.7	2.0	30.0	33.3	16.6	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
San Juan Tabaá	852.8	3.0	284.2	33.0	284.2	3.0	33.0	66.6	11.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
San Juan Tamazola	1422.6	4.0	355.6	33.0	355.6	4.0	33.0	37.5	25.0	12.5	24.0	0.0	0.0	0.0	0.0	0.0	0.0
San Juan Teita	710.7	1.0	710.7	61.0	710.7	1.0	61.0	55.5	11.1	11.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0
San Juan Tetlipac	451.0	5.0	90.2	14.0	354.8	1.0	57.0	27.2	45.4	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
San Juan Tepexiá	957.2	2.0	478.6	63.0	478.6	2.0	63.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
San Juan Teposc.	593.3	2.0	296.6	47.0	296.6	2.0	47.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
San Juan Yaeé	1252.1	6.0	208.6	9.0	634.2	1.0	30.0	50.0	0.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0
San Juan Yatzona	1252.1	6.0	208.6	9.0	634.2	1.0	30.0	50.0	0.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0
San Juan Yucuita	1248.0	5.0	249.6	25.0	293.7	2.0	30.0	33.3	16.6	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
San Lorenzo	3161.3	7.0	451.6	29.0	679.8	2.0	44.0	22.2	55.5	0.0	11.1	0.0	0.0	11.1	0.0	0.0	0.0
Sn Lorenzo Albarr.	1085.2	5.0	217.0	29.0	342.0	1.0	46.0	37.5	25.0	0.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0

Tabla C.152. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Oaxaca.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I^*(mm/a\acute{o}o)$	respecto a X_c	$I_{m\acute{a}x}(mm/a\acute{o}o)$	$D_{m\acute{a}x}(a\acute{o}s)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Sn Lzo Cacaot	675.3	4.0	168.8	22.0	406.2	1.0	54.0	55.5	22.2	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Sn Lzo Cuauna	2805.2	6.0	467.5	14.0	764.3	2.0	22.0	12.5	62.5	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Sn Lzo Texmelucan	2652.7	4.0	663.1	32.0	663.1	4.0	32.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Sn Lzo Victoria	550.2	4.0	137.5	16.0	212.9	2.0	25.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Sn Luc Camotlán	2727.6	7.0	389.6	23.0	1322.5	1.0	79.0	66.6	0.0	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Sn Luc Ojitán	2633.1	3.0	877.7	23.0	1001.5	1.0	27.0	50.0	30.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Luc Quiavini	887.8	4.0	221.9	36.0	251.8	2.0	41.0	30.0	10.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Luc Zoquiapam	1452.2	6.0	242.0	9.0	778.9	1.0	29.0	50.0	37.5	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Sn Luis Amatlán	616.1	4.0	154.0	25.0	163.1	2.0	27.0	25.0	50.0	8.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Sn Marcial Ozolot	707.8	2.0	353.9	29.0	353.9	2.0	29.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Marc Arteaga	1000.6	4.0	250.1	23.0	250.1	4.0	23.0	42.8	14.2	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mar Cansecos	384.5	3.0	128.1	19.0	175.9	2.0	26.0	16.6	50.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Sn Mar Huamalu	467.0	2.0	233.5	35.0	233.5	2.0	35.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mar Itunyoso	515.9	4.0	128.9	21.0	129.9	3.0	21.0	16.6	33.3	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mar Lachilá	384.5	3.0	128.1	19.0	175.9	2.0	26.0	16.6	50.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Sn Mar Peras	698.6	3.0	232.8	24.0	524.8	1.0	55.0	33.3	33.3	25.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0
Sn Mar Tilcajete	1146.4	4.0	286.6	41.0	287.7	1.0	41.0	22.2	33.3	11.1	11.1	0.0	22.2	0.0	0.0	0.0	0.0
Sn Mar Toxpatán	876.3	2.0	438.1	29.0	524.2	1.0	35.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mar Zacatepec	735.2	3.0	245.0	35.0	245.0	3.0	35.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mat Cajonos	365.4	1.0	365.4	50.0	365.4	1.0	50.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mat del Mar	1606.5	6.0	267.7	28.0	303.3	1.0	32.0	50.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0
Sn Mat Elfatongo	1072.4	7.0	153.1	19.0	231.3	1.0	29.0	66.6	0.0	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Sn Mat Nejapam	699.9	3.0	233.3	24.0	233.3	3.0	24.0	46.1	23.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mat Peñasco	710.7	1.0	710.7	61.0	710.7	1.0	61.0	55.5	11.1	11.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mat Piñas	1214.9	2.0	607.4	45.0	607.4	2.0	45.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mat Rio Hondo	1141.7	5.0	228.3	14.0	485.8	2.0	30.0	0.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0
Sn Mat Sindihui	637.0	4.0	159.2	14.0	309.1	2.0	27.0	42.8	14.2	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mat Tlapitpec	492.0	5.0	98.4	16.0	392.7	1.0	66.0	42.8	28.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Sn Mat Yoloxoch	2805.2	6.0	467.5	14.0	764.3	2.0	22.0	12.5	62.5	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Sn Melch Betaza	1451.2	6.0	241.8	15.0	370.5	2.0	24.0	30.0	50.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
Sn Mig Achilutla	467.0	2.0	233.5	35.0	233.5	2.0	35.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mig Ahuehue	699.9	3.0	233.3	24.0	233.3	3.0	24.0	46.1	23.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mig Aloápam	522.6	3.0	174.2	23.0	229.9	2.0	30.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mig Amatlán	627.9	3.0	209.3	24.0	383.5	1.0	45.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mig Amatlán	688.9	4.0	172.2	17.0	348.5	1.0	34.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mig Coatlán	1141.7	5.0	228.3	14.0	485.8	2.0	30.0	0.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0
Sn Mig Chicahua	441.6	3.0	147.2	30.0	344.0	1.0	71.0	50.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Migl Chimalapa	1216.9	4.0	304.2	30.0	448.1	2.0	45.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.152. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Oaxaca.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de $I / máx$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_p	$I(máx)(mm/año)$	$D(máx)(años)$	respecto a X_p	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Sn Mig Del Puerto	1233.6	2.0	616.8	45.0	616.8	2.0	45.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mig Del Rio	374.6	2.0	187.3	24.0	187.3	2.0	24.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mig Ejutla	384.5	3.0	128.1	19.0	175.9	2.0	26.0	16.6	50.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Sn Mig El Grande	602.8	3.0	200.9	21.0	512.3	1.0	53.0	50.0	12.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mig Huautla	276.0	1.0	276.0	65.0	276.0	1.0	65.0	57.1	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mig Mixtepec	2652.7	4.0	663.1	32.0	663.1	4.0	32.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mig Panixtlah.	1004.5	6.0	167.4	12.0	363.0	2.0	27.0	33.3	33.3	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Sn Mig Peras	769.3	3.0	256.4	39.0	256.4	3.0	39.0	42.8	14.2	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Sn Mig Piedras	1422.6	4.0	355.6	33.0	355.6	4.0	33.0	37.5	25.0	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mig Quetzal.	4499.9	5.0	899.9	43.0	952.0	2.0	45.0	42.8	28.5	0.0	0.0	28.5	0.0	0.0	0.0	0.0	0.0
Sn Mig Santa Flor	1336.2	3.0	445.4	32.0	445.4	3.0	32.0	33.3	16.6	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Sn Mig Soyalte.	5036.7	5.0	1007.3	36.0	1007.3	5.0	36.0	37.5	25.0	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0
Sn Mig Suchix.	707.8	2.0	353.9	29.0	353.9	2.0	29.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mig Tecom.	1072.4	7.0	153.1	19.0	231.3	1.0	29.0	66.6	0.0	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Sn Mig Tenango	801.1	4.0	200.2	21.0	252.2	2.0	26.0	37.5	37.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mig Tequix.	622.1	6.0	103.6	20.0	307.6	2.0	61.0	40.0	40.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
Sn Mig Tlaxiapam	780.1	7.0	111.4	21.0	201.9	2.0	38.0	22.2	22.2	0.0	33.3	11.1	0.0	11.1	0.0	0.0	0.0
Sn Mig Tlacamama	3161.3	7.0	451.6	29.0	679.8	2.0	44.0	22.2	55.5	0.0	11.1	0.0	0.0	11.1	0.0	0.0	0.0
Sn Mig Tlacotepec	515.9	4.0	128.9	21.0	129.9	3.0	21.0	16.6	33.3	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Sn Mig Tulancingo	983.0	6.0	163.8	29.0	234.2	1.0	41.0	33.3	33.3	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Sn Mig Yotao	742.5	1.0	742.5	55.0	742.5	1.0	55.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Nicolás	461.0	3.0	153.6	23.0	183.3	2.0	28.0	42.8	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Nic Hidalgo	550.2	4.0	137.5	16.0	212.9	2.0	25.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Sn Pab Coatlán	786.1	3.0	262.0	31.0	314.4	1.0	38.0	54.5	36.3	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Pab Cuatro V.	769.3	3.0	256.4	39.0	256.4	3.0	39.0	42.8	14.2	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Sn Pab Etla	455.8	2.0	227.9	31.0	379.0	1.0	52.0	58.3	33.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Pab Huitzo	970.8	4.0	242.7	33.0	311.1	1.0	42.0	50.0	16.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Sn Pab Huixtotepec	788.1	3.0	262.7	41.0	262.7	3.0	41.0	57.1	0.0	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Sn Pab Macuilta.	1151.2	8.0	143.9	15.0	260.1	2.0	27.0	50.0	37.5	0.0	0.0	0.0	0.0	0.0	12.5	0.0	0.0
Sn Pab Tlaxtepec	552.9	3.0	184.3	19.0	486.0	1.0	52.0	14.2	28.5	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Sn Pab Villa de M	1883.8	7.0	269.1	20.0	304.3	1.0	22.0	50.0	33.3	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Sn Pab Yaganiza	365.4	1.0	365.4	50.0	365.4	1.0	50.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ped Amuzgos	1771.0	3.0	590.3	30.0	590.3	3.0	30.0	40.0	0.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Sn Ped Apóstol	407.3	4.0	101.8	15.0	169.9	2.0	25.0	42.8	28.5	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Sn Ped Atoyac	1505.6	5.0	301.1	19.0	431.5	1.0	27.0	20.0	40.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Sn Ped Cajonaa	471.8	2.0	235.9	38.0	235.9	2.0	38.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ped Comitán.	822.2	4.0	205.5	23.0	617.7	1.0	70.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ped Coxcatte.	523.5	4.0	130.8	24.0	346.0	1.0	64.0	70.0	10.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0

Tabla C.152. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Oaxaca.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I^*	Intensidad	Duración / máx	% de $I^*_{m\acute{a}x}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I^* (mm/año)	respecto a X_c	I^* (mm/año)	D / máx(años)	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Sn Ped El Alto	565.1	3.0	188.3	15.0	298.3	1.0	24.0	44.4	33.3	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ped Huame.	801.1	4.0	200.2	21.0	252.2	2.0	26.0	37.5	37.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ped Huilote.	1105.9	4.0	276.4	33.0	276.4	4.0	33.0	37.5	25.0	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ped Ixcatlán	2516.5	2.0	1258.2	40.0	1258.2	2.0	40.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ped Ixtahuaca	675.3	4.0	168.8	22.0	406.2	1.0	54.0	55.5	22.2	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ped Jaltepet.	663.2	4.0	165.8	32.0	307.5	1.0	59.0	22.2	33.3	22.2	22.2	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ped Jicaván	1505.6	5.0	301.1	19.0	431.5	1.0	27.0	20.0	40.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Sn Ped Jocotipac	607.0	4.0	151.7	30.0	311.4	1.0	62.0	50.0	20.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ped Juchat.	910.3	3.0	303.4	25.0	303.4	3.0	25.0	37.5	50.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ped Márir	407.3	4.0	101.8	15.0	169.9	2.0	25.0	42.8	28.5	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Sn Ped M Quiéeh.	880.0	6.0	146.6	21.0	485.8	1.0	70.0	50.0	25.0	16.6	0.0	0.0	8.3	0.0	0.0	0.0	0.0
Sn Ped M Yucuc.	1340.4	2.0	670.2	61.0	670.2	2.0	61.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn P Mix (Juquila)	611.8	2.0	305.9	31.0	371.3	1.0	37.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn P Mix (Miah)	691.9	4.0	172.9	14.0	345.8	2.0	28.0	37.5	25.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ped Molinos	552.9	3.0	184.3	19.0	486.0	1.0	52.0	14.2	28.5	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ped Nopala	503.2	3.0	167.7	30.0	230.9	2.0	41.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ped Ocopet.	2805.2	6.0	467.5	14.0	764.3	2.0	22.0	12.5	62.5	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Sn Ped Ocotepéc	4499.9	5.0	899.9	43.0	952.0	2.0	45.0	42.8	28.5	0.0	0.0	28.5	0.0	0.0	0.0	0.0	0.0
Sn Ped Pochutla	2116.2	8.0	264.5	28.0	264.5	8.0	28.0	50.0	16.6	16.6	0.0	0.0	0.0	0.0	16.6	0.0	0.0
Sn Ped Quiatoni	1085.2	5.0	217.0	29.0	342.0	1.0	46.0	37.5	25.0	0.0	12.5	12.5	12.5	0.0	0.0	0.0	0.0
Sn Ped Sochiap.	1747.0	4.0	436.7	43.0	436.7	4.0	43.0	33.3	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ped Tapana.	1900.3	5.0	380.0	23.0	476.7	2.0	29.0	42.8	14.2	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0
Sn Ped Taviche	1176.8	8.0	147.1	23.0	147.1	8.0	23.0	11.1	44.4	22.2	0.0	11.1	0.0	0.0	11.1	0.0	0.0
Sn Ped Teozaco.	552.9	3.0	184.3	19.0	486.0	1.0	52.0	14.2	28.5	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ped Teutila	829.7	1.0	829.7	23.0	829.7	1.0	23.0	75.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ped Tidaá	1072.4	7.0	153.1	19.0	231.3	1.0	29.0	66.6	0.0	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Sn Ped Topiletap.	1072.4	7.0	153.1	19.0	231.3	1.0	29.0	66.6	0.0	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Sn Ped Totolapa	824.9	6.0	137.4	32.0	186.1	2.0	43.0	58.3	25.0	8.3	0.0	0.0	8.3	0.0	0.0	0.0	0.0
Sn P y Sn P Ayutla	1883.8	7.0	269.1	20.0	304.3	1.0	22.0	50.0	33.3	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Sn P y Sn P Tepos	593.3	2.0	296.6	47.0	296.6	2.0	47.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Sn P y Sn P Tequix	205.7	3.0	68.5	14.0	78.2	2.0	16.0	0.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ped Yaneri	2542.0	6.0	423.6	19.0	423.6	6.0	19.0	16.6	50.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Sn Ped Yolox	1235.2	5.0	247.0	19.0	407.5	2.0	31.0	0.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0
Sn Ped Yucunama	543.1	3.0	181.0	31.0	250.4	2.0	43.0	62.5	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Ray Jalpan	788.1	3.0	262.7	41.0	262.7	3.0	41.0	57.1	0.0	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Sn Seb Abasolo	501.5	5.0	100.3	15.0	213.2	1.0	32.0	37.5	25.0	0.0	12.5	12.5	12.5	0.0	0.0	0.0	0.0
Sn Seb Coatlán	786.1	3.0	262.0	31.0	314.4	1.0	38.0	54.5	36.3	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Seb Ixcapa	1771.0	3.0	590.3	30.0	590.3	3.0	30.0	40.0	0.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0

Tabla C.152. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Oaxaca.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de $I_{máx}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Sn Seb Nicanan.	1340.4	2.0	670.2	61.0	670.2	2.0	61.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Seb Río Hondo	1141.7	5.0	228.3	14.0	485.8	2.0	30.0	0.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0
Sn Seb Tecoman.	1096.5	3.0	365.5	33.0	365.5	3.0	33.0	33.3	16.6	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Sn Seb Teitipac	501.5	5.0	100.3	15.0	213.2	1.0	32.0	37.5	25.0	0.0	12.5	12.5	12.5	0.0	0.0	0.0	0.0
Sn Seb Tutla	424.1	2.0	212.0	31.0	212.0	2.0	31.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Sn Sim Almolon.	461.0	3.0	153.6	23.0	183.3	2.0	28.0	42.8	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Sim Zahuatlán	627.9	3.0	209.3	24.0	383.5	1.0	45.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Vic Coatlán	833.5	3.0	277.8	36.0	277.8	3.0	36.0	12.5	50.0	12.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0
Sn Vic Lachixío	1314.1	4.0	328.5	24.0	328.5	4.0	24.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Sn Vic Nuñu	1072.4	7.0	153.1	19.0	231.3	1.0	29.0	66.6	0.0	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Sta Ana	461.0	3.0	153.6	23.0	183.3	2.0	28.0	42.8	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sta Ana Ateixtlan.	2805.2	6.0	467.5	14.0	764.3	2.0	22.0	12.5	62.5	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Sta Ana Cuauht.	1336.2	3.0	445.4	32.0	445.4	3.0	32.0	33.3	16.6	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Sta Ana Del Valle	1247.6	5.0	249.5	30.0	303.3	1.0	37.0	14.2	42.8	14.2	0.0	14.2	14.2	0.0	0.0	0.0	0.0
Sta Ana Tavela	880.0	6.0	146.6	21.0	485.8	1.0	70.0	50.0	25.0	16.6	0.0	0.0	8.3	0.0	0.0	0.0	0.0
Sta Ana Tlapac.	1319.1	4.0	329.7	24.0	329.7	4.0	24.0	33.3	16.6	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Sta Ana Yareni	709.7	3.0	236.5	27.0	236.5	3.0	27.0	50.0	12.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sta Ana Zegache	1146.4	4.0	286.6	41.0	287.7	1.0	41.0	22.2	33.3	11.1	11.1	0.0	22.2	0.0	0.0	0.0	0.0
Sta Cat Quieri	880.0	6.0	146.6	21.0	485.8	1.0	70.0	50.0	25.0	16.6	0.0	0.0	8.3	0.0	0.0	0.0	0.0
Sta Cat Cuidá	461.0	3.0	153.6	23.0	183.3	2.0	28.0	42.8	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sta Cat Ixtapeji	586.9	9.0	65.2	9.0	226.5	2.0	31.0	62.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5
Sta Cat Juquila	1012.8	5.0	202.5	14.0	322.0	1.0	23.0	62.5	0.0	12.5	0.0	12.5	12.5	0.0	0.0	0.0	0.0
Sta Cat Lachatao	2015.9	9.0	223.9	23.0	223.9	9.0	23.0	71.4	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0	14.2
Sta Cat Loxicha	611.8	2.0	305.9	31.0	371.3	1.0	37.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sta Cat Mechoa.	3109.8	7.0	444.2	29.0	444.2	7.0	29.0	25.0	37.5	0.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0
Sta Cat Minas	780.1	7.0	111.4	21.0	201.9	2.0	38.0	22.2	22.2	0.0	33.3	11.1	0.0	11.1	0.0	0.0	0.0
Sta Cat Quiané	788.1	3.0	262.7	41.0	262.7	3.0	41.0	57.1	0.0	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Sta Cat Quioquit.	880.0	6.0	146.6	21.0	485.8	1.0	70.0	50.0	25.0	16.6	0.0	0.0	8.3	0.0	0.0	0.0	0.0
Sta Cat Tayata	467.0	2.0	233.5	35.0	233.5	2.0	35.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sta Cat Ticuá	552.9	3.0	184.3	19.0	486.0	1.0	52.0	14.2	28.5	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Sta Cat Yosonotú	1316.8	3.0	438.9	30.0	438.9	3.0	30.0	77.7	0.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sta Cat Zapotilla	615.2	6.0	102.5	17.0	206.7	2.0	35.0	37.5	37.5	0.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0
Sta Cruz Acatepec	2805.2	6.0	467.5	14.0	764.3	2.0	22.0	12.5	62.5	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Sta Cruz Amilpas	424.1	2.0	212.0	31.0	212.0	2.0	31.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Sta Cruz de Bravo	699.9	3.0	233.3	24.0	233.3	3.0	24.0	46.1	23.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sta Cruz Itundujá	1106.7	3.0	368.8	29.0	368.8	3.0	29.0	0.0	25.0	50.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
Sta Cruz Mixtepec	1319.1	4.0	329.7	24.0	329.7	4.0	24.0	33.3	16.6	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Sta Cruz Nundaco	794.3	1.0	794.3	82.0	794.3	1.0	82.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.152. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Oaxaca.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad		Duración		Intensidad		Duración		ocurrencia de la sequía meteorológica para diferentes duraciones									
	S máx(mm)	D máx(años)	I máx(mm/año)	% de I ^o respecto a X _o	I máx(mm/año)	D máx(años)	% de D ^o respecto a X _o	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años	
Sta C Papalutla	44.4	3.0	148.1	26.0	300.5	1.0	53.0	37.5	37.5	2.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	
Sta C Tacache	50.2	4.0	137.5	16.0	212.9	2.0	25.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	
Sta C Tacahua	1056.3	3.0	352.1	28.0	636.1	1.0	51.0	50.0	0.0	37.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	
Sta C Tayata	467.0	2.0	233.5	35.0	233.5	2.0	35.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Sta C Xitla	461.0	3.0	153.6	23.0	183.3	2.0	28.0	42.8	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Sta C Xoxocot	424.1	2.0	212.0	31.0	212.0	2.0	31.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	
Sta C Zenzont	1241.6	3.0	413.8	31.0	413.8	3.0	31.0	33.3	16.6	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	
Sta Gertrudis	788.1	3.0	262.7	41.0	262.7	3.0	41.0	57.1	0.0	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0	
Sta Inés de Z	817.7	5.0	163.5	18.0	513.5	1.0	58.0	44.4	33.3	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0	
Sta Inés del M	788.1	3.0	262.7	41.0	262.7	3.0	41.0	57.1	0.0	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0	
Sta Inés Yatzeche	788.1	3.0	262.7	41.0	262.7	3.0	41.0	57.1	0.0	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0	
Sta Lucia C	424.1	2.0	212.0	31.0	212.0	2.0	31.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	
Sta Lucia Miah	1141.7	5.0	228.3	14.0	485.8	2.0	30.0	0.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	
Sta Lucia Mon	1322.4	3.0	440.8	24.0	440.8	3.0	24.0	62.5	0.0	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	
Sta Lucia Oc	407.3	4.0	101.8	15.0	169.9	2.0	25.0	42.8	28.5	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0	
Sta Magd Jicotán	723.0	4.0	180.7	29.0	293.1	1.0	47.0	20.0	20.0	44.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	
Sta Ma Alotepec	2832.1	5.0	566.4	27.0	1114.9	1.0	53.0	71.4	0.0	0.0	0.0	14.2	0.0	14.2	0.0	0.0	0.0	
Sta Ma Apazco	441.1	1.0	441.1	74.0	441.1	1.0	74.0	55.5	22.2	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Sta Ma Atzompa	675.3	4.0	168.8	22.0	406.2	1.0	54.0	55.5	22.2	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	
Sta Ma Carnotán	1497.9	9.0	166.4	23.0	256.6	2.0	36.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	
Sta Ma Colotepec	611.8	2.0	305.9	31.0	371.3	1.0	37.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Sta Ma Cortijo	1771.0	3.0	590.3	30.0	590.3	3.0	30.0	40.0	0.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	
Sta Ma Coyotepec	666.0	5.0	133.2	20.0	185.0	1.0	27.0	50.0	20.0	20.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	
Sta Ma Chachoa	515.1	1.0	515.1	79.0	515.1	1.0	79.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Sta Ma Chilchoa	3579.9	6.0	596.6	15.0	793.2	2.0	21.0	25.0	62.5	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0	
Sta Ma Chimalapa	2512.2	8.0	314.0	15.0	477.2	1.0	23.0	33.3	50.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0	0.0	
Sta Ma del Rosario	467.0	2.0	233.5	35.0	233.5	2.0	35.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Sta Ma Del Tule	424.1	2.0	212.0	31.0	212.0	2.0	31.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	
Sta Ma Ecatepec	1452.0	4.0	363.0	34.0	585.2	1.0	55.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	
Sta Ma Guelacé	501.5	5.0	100.3	15.0	213.2	1.0	32.0	37.5	25.0	0.0	12.5	12.5	12.5	0.0	0.0	0.0	0.0	
Sta Ma Guilenagati	816.1	4.0	204.0	16.0	245.7	3.0	19.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	
Sta Ma Huatulco	1214.9	2.0	607.4	45.0	607.4	2.0	45.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Sta Ma Huazolo	3109.8	7.0	444.2	29.0	444.2	7.0	29.0	25.0	37.5	0.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0	
Sta Ma Ipalapa	1771.0	3.0	590.3	30.0	590.3	3.0	30.0	40.0	0.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	
Sta Ma Ixcatlán	964.3	7.0	137.7	19.0	313.1	3.0	43.0	16.6	33.3	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0	
Sta Ma Jacatepec	1845.7	2.0	922.8	34.0	922.8	2.0	34.0	66.6	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Sta Ma Jalapa M	1061.3	6.0	176.8	28.0	287.6	1.0	45.0	50.0	25.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0	
Sta Ma Jaltianguis	709.7	3.0	236.5	27.0	236.5	3.0	27.0	50.0	12.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Tabla C.152. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Oaxaca.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I^* Smáx/Dmáx	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I^* (mm/año)	respecto a X_c	I máx(mm/año)	D / máx(años)	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
SM Asunción	1452.2	6.0	242.0	9.0	778.9	1.0	29.0	50.0	37.5	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
SM Lachixío	1314.1	4.0	328.5	24.0	328.5	4.0	24.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
SM Mixtequilla	822.2	4.0	205.5	23.0	617.7	1.0	70.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
SM Nativitas	311.0	2.0	155.5	26.0	270.3	1.0	46.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SM Nduayaco	529.5	2.0	264.7	44.0	264.7	2.0	44.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
SM Ozolotepec	707.8	2.0	353.9	29.0	353.9	2.0	29.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SM Papalo	1093.0	6.0	182.1	19.0	366.4	1.0	38.0	57.1	14.2	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0
SM Peñoles	631.5	4.0	157.8	20.0	212.4	2.0	27.0	25.0	37.5	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0
SM Petapa	3736.3	10.0	373.6	26.0	546.7	1.0	38.0	50.0	30.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
SM Quiquepán	608.7	2.0	304.3	41.0	304.3	2.0	41.0	46.1	30.7	23.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
SM Soala	2652.7	4.0	663.1	32.0	663.1	4.0	32.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
SM Tataltepec	595.5	2.0	297.7	33.0	297.7	2.0	33.0	37.5	37.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
SM Tecomav.	1163.2	9.0	129.2	21.0	229.5	2.0	37.0	16.6	33.3	16.6	0.0	16.6	0.0	0.0	0.0	0.0	16.6
SM Temaxcala	641.9	1.0	641.9	40.0	641.9	1.0	40.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SM Temaxcat.	1223.9	4.0	305.9	20.0	362.9	3.0	24.0	57.1	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
SM Teapoxco	1908.2	6.0	318.0	13.0	826.9	2.0	35.0	12.5	62.5	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
SM Tepantlali	2832.1	5.0	566.4	27.0	1114.9	1.0	53.0	71.4	0.0	0.0	0.0	14.2	0.0	14.2	0.0	0.0	0.0
SM Texcatlán	672.1	4.0	168.0	32.0	327.7	1.0	63.0	40.0	20.0	30.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
SM Tlahuailol.	2832.1	5.0	566.4	27.0	1114.9	1.0	53.0	71.4	0.0	0.0	0.0	14.2	0.0	14.2	0.0	0.0	0.0
SM Tlaxiácat.	1336.2	3.0	445.4	32.0	445.4	3.0	32.0	33.3	16.6	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0
SM Tonameca	512.4	3.0	170.8	19.0	170.8	3.0	19.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SM Totolapilla	966.2	3.0	322.0	34.0	322.0	3.0	34.0	33.3	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SM Xadani	966.6	3.0	322.2	36.0	346.7	2.0	39.0	50.0	30.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
SM Yalina	852.8	3.0	284.2	33.0	284.2	3.0	33.0	66.6	11.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SM Yavesla	780.8	4.0	195.2	19.0	436.0	1.0	43.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
SM Yolotepec	844.2	3.0	281.4	27.0	509.7	1.0	49.0	50.0	0.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
SM Yosoyúa	710.7	1.0	710.7	61.0	710.7	1.0	61.0	55.5	11.1	11.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0
SM Yucuhiti	1316.8	3.0	438.9	30.0	438.9	3.0	30.0	77.7	0.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SM Zacatepec	3169.6	9.0	352.1	16.0	750.8	3.0	35.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SM Zaniza	1754.0	5.0	350.8	19.0	350.8	5.0	19.0	40.0	20.0	0.0	20.0	20.0	0.0	0.0	0.0	20.0	0.0
SM Zoquiácan	1062.0	11.0	96.5	22.0	194.1	2.0	44.0	84.6	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Amoltepec	1754.0	5.0	350.8	19.0	350.8	5.0	19.0	40.0	20.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
Sgo Apoala	276.0	1.0	276.0	65.0	276.0	1.0	65.0	57.1	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Apóstol	1146.4	4.0	286.6	41.0	287.7	1.0	41.0	22.2	33.3	11.1	11.1	0.0	22.2	0.0	0.0	0.0	0.0
Sgo Astata	801.1	4.0	200.2	21.0	252.2	2.0	26.0	37.5	37.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Atlián	2832.1	5.0	566.4	27.0	1114.9	1.0	53.0	71.4	0.0	0.0	0.0	14.2	0.0	14.2	0.0	0.0	0.0
Sgo Ayuquihila	627.9	3.0	209.3	24.0	383.5	1.0	45.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Cacaloxt.	298.5	3.0	99.5	14.0	141.5	2.0	21.0	0.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.152. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Oaxaca.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^m =S _{máx} /D _{máx}	% de I ^m	Intensidad	Duración / máx	% de I máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I ^m (mm/año)	respecto a X _c	I máx(mm/año)	D / máx(años)	respecto a X _c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Sgo Carrotán	1283.5	6.0	213.9	8.0	607.3	1.0	24.0	20.0	0.0	40.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0
Sgo Comaltepec	1235.2	5.0	247.0	19.0	407.5	2.0	31.0	0.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0
Sgo Chazumba	205.7	3.0	68.5	14.0	78.2	2.0	16.0	0.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Choapam	5592.2	7.0	798.8	30.0	798.8	7.0	30.0	75.0	12.5	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0
Sgo Del Rio	731.9	6.0	121.9	13.0	475.5	1.0	52.0	30.0	30.0	20.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0
Sgo Huajolotlán	898.8	7.0	128.4	17.0	278.1	2.0	38.0	40.0	20.0	20.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
Sgo Huautilla	523.5	4.0	130.8	24.0	346.0	1.0	64.0	70.0	10.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
Sgo Ihuilán Plumas	974.3	6.0	162.3	24.0	374.0	1.0	56.0	60.0	20.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
Sgo Ixcuintepec	2727.6	7.0	389.6	23.0	1322.5	1.0	79.0	66.6	0.0	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Sgo Ixtayutla	1247.7	4.0	311.9	20.0	420.5	1.0	27.0	42.8	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Jamiltepec	1584.2	6.0	264.0	22.0	278.9	3.0	24.0	20.0	20.0	40.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
Sgo Jocotepec	1765.6	3.0	588.5	23.0	588.5	3.0	23.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Juxtahuaca	1156.6	3.0	385.5	21.0	403.1	2.0	22.0	37.5	50.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Lachiguiri	966.2	3.0	322.0	34.0	322.0	3.0	34.0	33.3	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Lalopa	1252.1	6.0	208.6	9.0	634.2	1.0	30.0	50.0	0.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0
Sgo Laolaga	977.2	6.0	162.8	23.0	318.9	1.0	46.0	57.1	14.2	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Sgo Laxopa	471.8	2.0	235.9	38.0	235.9	2.0	38.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Llano Grande	1771.0	3.0	590.3	30.0	590.3	3.0	30.0	40.0	0.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Sgo Matatlán	887.8	4.0	221.9	36.0	251.8	2.0	41.0	30.0	10.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Miltepec	615.2	6.0	102.5	17.0	206.7	2.0	35.0	37.5	37.5	0.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0
Sgo Minas	909.9	5.0	181.9	13.0	324.9	1.0	24.0	50.0	25.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
Sgo Nacaltepec	682.9	7.0	97.5	20.0	230.9	1.0	47.0	71.4	0.0	14.2	0.0	0.0	0.0	14.2	0.0	0.0	0.0
Sgo Nejaquila	1072.4	7.0	153.1	19.0	231.3	1.0	29.0	66.6	0.0	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Sgo Ntepepec	1216.9	4.0	304.2	30.0	448.1	2.0	45.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Nundiche	1281.2	8.0	160.1	24.0	160.1	8.0	24.0	40.0	40.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
Sgo Nuyó	1316.8	3.0	438.9	30.0	438.9	3.0	30.0	77.7	0.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Pinolapa Nal	3161.3	7.0	451.6	29.0	679.8	2.0	44.0	22.2	55.5	0.0	11.1	0.0	0.0	11.1	0.0	0.0	0.0
Sgo Suchilquitongo	1480.7	8.0	185.0	21.0	288.1	3.0	33.0	71.4	0.0	14.2	0.0	0.0	0.0	0.0	14.2	0.0	0.0
Sgo Tamazola	699.9	3.0	233.3	24.0	233.3	3.0	24.0	46.1	23.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Tapextla	1771.0	3.0	590.3	30.0	590.3	3.0	30.0	40.0	0.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Sgo Tenango	672.8	4.0	168.2	24.0	171.2	2.0	24.0	25.0	62.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Tepetlapa	983.0	6.0	163.8	29.0	234.2	1.0	41.0	33.3	33.3	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Sgo Tetepec	1584.2	6.0	264.0	22.0	278.9	3.0	24.0	20.0	20.0	40.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
Sgo Texcalcingo	2805.2	6.0	467.5	14.0	764.3	2.0	22.0	12.5	62.5	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Sgo Textitán	1498.5	5.0	299.7	18.0	299.7	5.0	18.0	50.0	0.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0
Sgo Tilantongo	1422.6	4.0	355.6	33.0	355.6	4.0	33.0	37.5	25.0	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Tillo	1248.0	5.0	249.6	25.0	293.7	2.0	30.0	33.3	16.6	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Sgo Tlazoyaltepec	631.5	4.0	157.8	20.0	212.4	2.0	27.0	25.0	37.5	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.152. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Oaxaca.

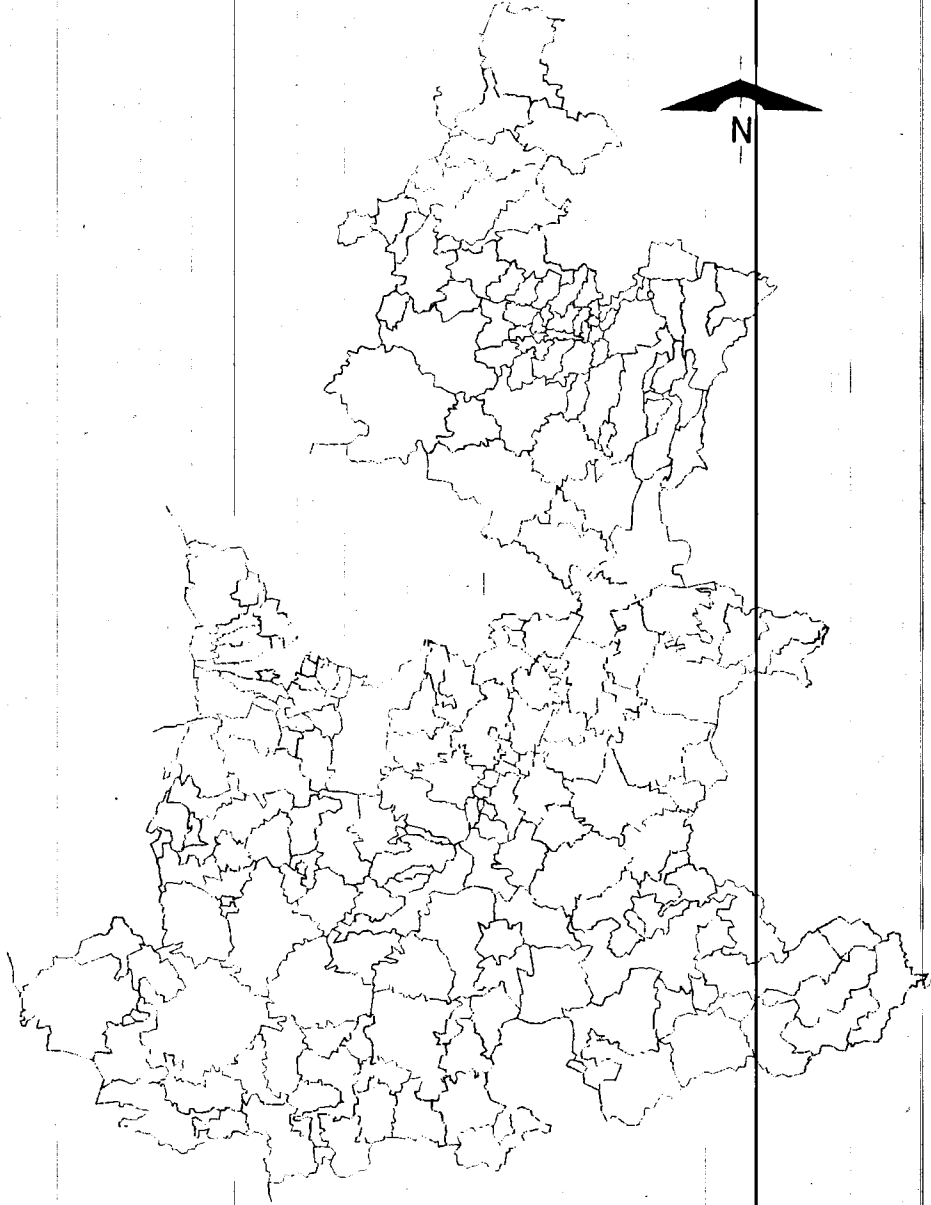
Municipio	Características máximas de la sequía meteorológica municipal						Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones											
	Severidad	Duración	$I = S_{máx} / D_{máx}$	% de I	Intensidad	Duración / máx	% de / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años	
	S máx(mm)	D máx(años)	I (mm/año)	respecto a X_c	I máx(mm/año)	D / máx(años)	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
Sgo Xanica	1639.7	8.0	204.9	16.0	597.8	1.0	48.0	33.3	50.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0	0.0
Sgo Xiacui	780.8	4.0	195.2	19.0	436.0	1.0	43.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Yallepec	1223.9	4.0	305.9	20.0	362.9	3.0	24.0	57.1	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Yaveo	8007.3	12.0	667.2	25.0	705.5	1.0	27.0	57.1	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Yotomecal	529.5	2.0	264.7	44.0	264.7	2.0	44.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Yosondúa	957.4	3.0	319.1	31.0	408.7	1.0	40.0	28.5	28.5	14.2	14.2	0.0	0.0	0.0	14.2	0.0	0.0	0.0
Sgo Yucuyachi	699.9	3.0	233.3	24.0	233.3	3.0	24.0	46.1	23.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Zacatepec	2390.8	1.0	2390.8	85.0	2390.8	1.0	85.0	50.0	40.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Zochila	777.0	3.0	259.0	31.0	259.0	3.0	31.0	37.5	12.5	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD Abarradas	1883.8	7.0	269.1	20.0	304.3	1.0	22.0	50.0	33.3	0.0	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0
SD Armenta	1771.0	3.0	590.3	30.0	590.3	3.0	30.0	40.0	0.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
SD Chihuitán	977.2	6.0	162.8	23.0	318.9	1.0	46.0	57.1	14.2	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
SD de Morelos	512.4	3.0	170.8	19.0	170.8	3.0	19.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD Ingenio	1033.2	6.0	172.2	18.0	341.8	2.0	37.0	50.0	30.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
SD Ixcatlán	957.4	3.0	319.1	31.0	408.7	1.0	40.0	28.5	28.5	14.2	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0
SD Nuxtlá	817.7	5.0	163.5	18.0	513.5	1.0	58.0	44.4	33.3	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
SD Ozolotepec	691.9	4.0	172.9	14.0	345.8	2.0	28.0	37.5	25.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD Petapa	3736.3	10.0	373.6	26.0	546.7	1.0	38.0	50.0	30.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
SD Roayaga	1451.2	6.0	241.8	15.0	370.5	2.0	24.0	30.0	50.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
SD Tehuantepec	820.5	2.0	410.2	49.0	410.2	2.0	49.0	36.3	36.3	9.0	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD Teojomulco	2652.7	4.0	663.1	32.0	663.1	4.0	32.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD Tepuxtepec	1085.2	5.0	217.0	29.0	342.0	1.0	46.0	37.5	25.0	0.0	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0
SD Tlatayapam	1072.4	7.0	153.1	19.0	231.3	1.0	29.0	66.6	0.0	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
SD Tomaltepec	424.1	2.0	212.0	31.0	212.0	2.0	31.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD Tonalá	550.2	4.0	137.5	16.0	212.9	2.0	25.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD Tonaltepec	423.4	2.0	211.7	33.0	211.7	2.0	33.0	40.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD Xagacía	471.8	2.0	235.9	38.0	235.9	2.0	38.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD Yanhuitán	707.4	3.0	235.8	27.0	508.2	1.0	58.0	50.0	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD Yodotino	1229.8	2.0	614.9	54.0	614.9	2.0	54.0	16.6	66.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SD Zanatepec	1077.6	3.0	359.2	26.0	458.9	2.0	33.0	50.0	42.8	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ST Jalteza	1146.4	4.0	286.6	41.0	287.7	1.0	41.0	22.2	33.3	11.1	11.1	0.0	22.2	0.0	0.0	0.0	0.0	0.0
ST Mazaltepec	521.3	4.0	130.3	18.0	130.3	4.0	18.0	62.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ST Ocoitepec	794.3	1.0	794.3	82.0	794.3	1.0	82.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ST Tamazul	1141.7	5.0	228.3	14.0	485.8	2.0	30.0	0.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
S Reyes Nopala	1154.0	3.0	384.6	26.0	384.6	3.0	26.0	57.1	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S Reyes Pápalo	1201.8	7.0	171.6	17.0	383.2	1.0	39.0	33.3	33.3	0.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
S Reyes Tepicillo	515.9	4.0	128.9	21.0	129.9	3.0	21.0	16.6	33.3	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S Reyes Yucuná	735.2	3.0	245.0	35.0	245.0	3.0	35.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.152. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Oaxaca.

Municipio	Características máximas de la sequía meteorológica municipal								Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones												
	Severidad	Duración	$I^m S_{máx}/D_{máx}$	% de I^m	Intensidad	Duración / máx	% de I^m	Intensidad	Duración / máx	% de I^m	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años	
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^m(mm/año)$	respecto a X_c	$I^m(máx(mm/año))$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Siicayoapam	699.9	3.0	233.3	24.0	233.3	3.0	24.0	46.1	23.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Siño de Xitapehua	616.1	4.0	154.0	25.0	163.1	2.0	27.0	25.0	50.0	8.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soledad Etla	455.8	2.0	227.9	31.0	379.0	1.0	52.0	58.3	33.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tamazulapam ES	2832.1	5.0	566.4	27.0	1114.9	1.0	53.0	71.4	0.0	0.0	0.0	0.0	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Tanetze de Z	641.9	1.0	641.9	40.0	641.9	1.0	40.0	57.1	42.8	0.0	0.0	0.0	0.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Taniche	384.5	3.0	128.1	19.0	175.9	2.0	26.0	16.6	50.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tatlattepec de V	1584.2	6.0	264.0	22.0	278.9	3.0	24.0	20.0	20.0	40.0	0.0	0.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Teococulco MP	522.6	3.0	174.2	23.0	229.9	2.0	30.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Teotitlán de FM	489.2	6.0	81.5	17.0	220.6	1.0	46.0	33.3	16.6	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Teotitlán del Valle	739.5	8.0	92.4	10.0	357.3	2.0	39.0	50.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Teotongo	604.9	3.0	201.6	34.0	395.8	1.0	68.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0	0.0
Tepelmeme VM	792.0	4.0	198.0	34.0	198.0	4.0	34.0	0.0	50.0	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tezoatlán de SL	252.1	2.0	126.0	18.0	126.0	2.0	18.0	0.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tlacoala de M	450.8	2.0	225.4	48.0	225.4	2.0	48.0	40.0	20.0	20.0	10.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Tlacotepec P	974.3	6.0	162.3	24.0	374.0	1.0	56.0	60.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tlaxiactac de Cab	533.0	2.0	266.5	37.0	266.5	2.0	37.0	42.8	42.8	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Totontepec V M	6569.9	11.0	597.2	35.0	767.2	1.0	45.0	42.8	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trinidad V H. La	604.9	3.0	201.6	34.0	395.8	1.0	68.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trinidad Zaachila	788.1	3.0	262.7	41.0	262.7	3.0	41.0	57.1	0.0	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Unión Hidalgo	1033.2	6.0	172.2	18.0	341.8	2.0	37.0	50.0	30.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Valerio Trujano	696.1	5.0	139.2	26.0	332.9	1.0	63.0	50.0	20.0	20.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
V de Chilapa D	724.2	2.0	362.1	22.0	362.1	2.0	22.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
V de Etla	455.8	2.0	227.9	31.0	379.0	1.0	52.0	58.3	33.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
V de Tamaz. P	494.0	3.0	164.6	21.0	232.7	1.0	29.0	25.0	25.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
V de Tutut. M O	1020.8	6.0	170.1	12.0	334.0	1.0	25.0	42.8	14.2	28.5	0.0	0.0	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Villa de Zaachila	788.1	3.0	262.7	41.0	262.7	3.0	41.0	57.1	0.0	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Villa Díaz Ordaz	1189.9	6.0	198.3	20.0	198.3	6.0	20.0	33.3	16.6	16.6	16.6	0.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Villa Hidalgo	908.7	6.0	151.4	19.0	325.1	1.0	41.0	50.0	12.5	0.0	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Villa Soja de V	1109.3	5.0	221.8	19.0	222.9	3.0	19.0	40.0	40.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Villa Talea de C	641.9	1.0	641.9	40.0	641.9	1.0	40.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Villa Tejupam U	361.1	2.0	180.5	33.0	229.6	1.0	42.0	66.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yaxe	824.9	6.0	137.4	32.0	186.1	2.0	43.0	58.3	25.0	8.3	0.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yogana	833.5	3.0	277.8	36.0	277.8	3.0	36.0	12.5	50.0	12.5	12.5	0.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Yutanduchi de G	1422.6	4.0	355.6	33.0	355.6	4.0	33.0	37.5	25.0	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zapotitlán D Río	1498.5	5.0	299.7	18.0	299.7	5.0	18.0	50.0	0.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zapotitlán Lag.	699.9	3.0	233.3	24.0	233.3	3.0	24.0	46.1	23.0	30.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zapotitlán Palmas	801.4	2.0	400.7	54.0	400.7	2.0	54.0	33.3	44.4	0.0	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zimatán de A	788.1	3.0	262.7	41.0	262.7	3.0	41.0	57.1	0.0	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Estatal	1492.9	5.0	298.5	21.0	298.5	5.0	21.0	40.0	40.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.152. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Oaxaca.

PUEBLA



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de					retorno (Tr)	Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv	Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
X _a (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p min(mm)	H _p min	
HA21002	542.3	542.0	198.9	-0.1	2.9	0.37	537.0	385.0	290.0	197.0	73.0	0.0	16.0	150.1	28.3
HA21003	725.9	639.7	435.2	4.1	23.7	0.60	610.0	491.0	367.0	0.0	0.0	0.0	2.5	304.0	12.1
HA21004	615.6	611.8	170.6	0.2	4.8	0.28	614.0	506.0	374.0	223.0	26.0	0.0	14.5	207.5	21.5
HA21005	663.5	666.0	245.9	2.2	14.0	0.37	663.0	504.0	397.0	289.0	138.0	5.0	15.3	170.9	41.4
HA21006	1629.6	1658.6	452.0	-1.0	4.5	0.28	1717.0	1384.0	1096.0	790.0	385.0	81.0	26.2	481.8	40.1
HA21007	656.2	635.1	162.6	0.6	4.0	0.25	650.0	519.0	434.0	352.0	243.0	160.0	15.1	308.4	28.9
HA21008	691.5	721.8	134.6	-0.3	3.5	0.19	706.0	589.0	512.0	437.0	337.0	261.0	20.8	372.4	36.2
HA21009	2149.5	2116.2	356.9	0.5	3.2	0.17	2093.0	1864.0	1725.0	1592.0	1415.0	1277.0	14.9	1499.5	32.3
HA21010	315.7	303.3	100.8	-0.1	3.0	0.32	301.0	234.0	200.0	167.0	124.0	90.0	34.7	101.0	80.7
HA21011	3328.0	3528.8	820.2	-2.8	14.4	0.25	3528.0	3060.0	2635.0	1930.0	505.0	0.0	38.7	542.5	48.8
HA21012	834.0	839.5	159.4	0.2	2.4	0.19	847.0	669.0	650.0	621.0	525.0	440.0	16.5	575.7	32.8
HA21013	352.0	336.2	98.6	0.0	2.7	0.28	337.0	266.0	235.0	206.0	168.0	139.0	21.5	165.0	53.7
HA21014	2112.0	2100.3	384.9	0.5	5.3	0.18	2096.0	1837.0	1671.0	1512.0	1306.0	1151.0	34.8	1193.0	83.0
HA21016	727.0	729.0	178.8	0.0	3.2	0.25	722.0	578.0	486.0	395.0	272.0	175.0	20.3	311.7	37.4
HA21018	375.2	387.2	115.3	-0.3	2.7	0.31	388.0	272.0	225.0	182.0	130.0	90.0	12.5	173.0	23.5
HA21019	417.9	373.3	153.0	1.1	4.5	0.37	381.0	301.0	246.0	187.0	94.0	5.0	9.1	187.8	19.9
HA21020	378.4	393.6	114.4	-0.4	3.7	0.30	391.0	290.0	226.0	166.0	88.0	30.0	15.2	147.5	24.8
HA21021	896.4	900.8	227.6	0.5	2.7	0.25	899.0	675.0	639.0	561.0	377.0	236.0	11.6	543.7	21.9
HA21022	1011.6	1019.5	368.8	0.6	5.0	0.36	1001.0	792.0	660.0	536.0	375.0	254.0	16.7	432.6	35.9
HA21023	414.2	427.0	163.3	0.0	3.0	0.39	422.0	266.0	182.0	102.0	0.0	0.0	8.8	129.0	15.9
HA21024	794.1	793.8	143.1	0.0	3.5	0.18	785.0	680.0	612.0	544.0	448.0	370.0	33.0	422.5	63.0
HA21025	1648.1	1627.3	453.9	0.8	5.0	0.28	1314.1	912.8	647.2	392.4	62.5	0.0	4.3	767.8	7.3
HA21026	775.5	738.0	237.1	0.7	4.4	0.31	744.0	595.0	495.0	391.0	235.0	97.0	21.9	260.0	43.6
HA21027	517.8	529.5	138.8	-0.5	4.4	0.27	532.0	420.0	346.0	274.0	181.0	109.0	24.9	192.5	44.5
HA21029	421.3	351.1	214.3	0.4	2.8	0.51	346.0	231.0	175.0	119.0	37.0	0.0	9.3	102.5	24.3
HA21030	347.9	323.1	121.5	1.0	5.7	0.35	322.0	248.0	197.0	138.0	39.0	0.0	6.6	177.8	12.7
HA21031	390.9	407.6	122.4	0.0	3.7	0.31	402.0	304.0	240.0	177.0	95.0	32.0	10.4	192.0	17.0
HA21032	4215.8	4181.5	876.8	-0.2	4.0	0.21	4192.0	3552.0	3138.0	2725.0	2161.0	1713.0	50.6	1733.4	96.9
HA21033	515.4	517.6	206.0	0.7	4.0	0.40	478.0	336.0	265.0	136.0	0.0	0.0	10.3	171.4	16.9
HA21034	881.1	884.0	188.9	-0.5	3.9	0.21	884.0	745.0	660.0	580.0	477.0	401.0	80.4	334.2	183.0

Tabla C.153. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Puebla.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _o (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp mín(mm)	Hp mín
HA21036	437.4	437.0	91.4	-1.1	5.5	0.21	447.0	375.0	330.0	288.0	234.0	194.0	50.7	195.9	96.1
HA21037	596.8	602.7	122.5	0.2	3.6	0.21	598.0	507.0	449.0	394.0	323.0	270.0	11.8	388.6	21.4
HA21038	432.7	432.8	134.1	-0.6	4.2	0.31	438.0	341.0	281.0	225.0	152.0	99.0	33.8	130.7	66.1
HA21039	623.1	656.0	165.7	-0.1	2.7	0.27	661.0	432.0	391.0	356.0	307.0	265.0	5.2	379.6	12.5
HA21040	315.2	311.8	93.6	0.5	3.3	0.30	303.0	240.0	200.0	163.0	114.0	77.0	10.3	163.5	19.7
HA21041	1426.0	1377.0	400.2	0.2	3.2	0.28	1413.0	1182.0	1041.0	908.0	738.0	610.0	13.7	863.8	25.4
HA21043	1900.3	1900.0	406.8	0.2	3.2	0.21	1869.0	1577.0	1395.0	1215.0	968.0	771.0	16.6	1087.5	32.3
HA21044	1724.7	1681.3	474.4	-0.3	5.3	0.28	1718.0	1387.0	1179.0	982.0	728.0	537.0	23.9	762.7	44.0
HA21046	801.2	818.5	183.8	-0.5	4.2	0.23	820.0	691.0	573.0	436.0	248.0	107.0	26.0	291.9	40.4
HA21047	580.8	582.5	150.6	1.0	4.6	0.26	549.0	454.0	388.0	316.0	201.0	98.0	6.8	358.8	13.4
HA21048	770.9	785.5	154.9	-0.3	4.6	0.20	773.0	644.0	551.0	450.0	299.0	169.0	17.5	396.1	28.2
HA21049	693.1	693.0	174.2	-0.6	4.7	0.25	713.0	563.0	464.0	367.0	238.0	139.0	38.8	185.3	72.6
HA21051	3070.7	2979.5	709.2	0.1	3.5	0.23	3107.0	2524.0	2148.0	1791.0	1330.0	984.0	17.5	1561.0	31.5
HA21053	725.9	721.3	185.7	0.3	2.7	0.26	709.0	567.0	479.0	395.0	282.0	193.0	8.0	443.9	13.3
HA21054	2196.9	2176.4	367.9	-0.7	4.1	0.17	2216.0	1905.0	1721.0	1549.0	1329.0	1166.0	47.3	1184.9	92.2
HA21055	2749.6	2769.9	438.0	0.3	3.4	0.16	2726.0	2375.0	2134.0	1886.0	1535.0	1253.0	8.5	2006.8	14.3
HA21056	898.1	844.2	404.5	0.1	2.4	0.45	865.0	523.0	347.0	184.0	0.0	0.0	9.2	226.8	16.6
HA21057	2406.9	2455.1	396.9	-0.9	4.4	0.16	2469.0	2121.0	1892.0	1673.0	1390.0	1177.0	22.9	1475.5	37.8
HA21058	2132.1	2182.6	550.2	-0.2	3.1	0.26	2147.0	1632.0	1425.0	1239.0	1003.0	829.0	9.6	1275.7	17.4
HA21059	675.4	658.5	246.0	1.7	9.1	0.36	676.0	492.0	369.0	248.0	82.0	0.0	6.3	326.1	12.8
HA21060	402.3	392.4	120.6	0.5	5.3	0.30	386.0	300.0	244.0	185.0	99.0	27.0	12.0	178.0	21.7
HA21061	1797.4	1924.2	591.6	-0.1	3.0	0.33	1804.0	1236.0	1055.0	892.0	683.0	524.0	10.6	848.4	24.2
HA21063	943.7	847.9	340.2	1.2	4.7	0.36	802.0	633.0	509.0	325.0	0.0	0.0	4.7	483.3	11.2
HA21064	3335.0	3312.5	406.4	0.2	2.6	0.12	3292.0	2988.0	2822.0	2667.0	2468.0	2319.0	10.3	2675.5	19.3
HA21066	823.2	775.5	234.8	0.5	3.4	0.29	770.0	651.0	577.0	500.0	382.0	275.0	24.6	380.0	50.8
HA21067	1534.3	1676.9	402.1	-1.0	4.3	0.26	1644.0	1217.0	946.0	706.0	406.0	186.0	22.1	518.4	35.3
HA21068	1558.4	1567.6	275.1	0.4	4.0	0.18	1566.0	1282.0	1186.0	1032.0	793.0	611.0	10.3	1070.6	17.2
HA21069	954.0	948.4	215.0	0.5	6.0	0.23	936.0	821.0	715.0	561.0	305.0	106.0	23.2	405.4	35.2
HA21070	562.7	542.8	153.9	0.1	2.2	0.27	536.0	427.0	370.0	318.0	251.0	202.0	10.5	314.2	21.0
HA21071	745.9	712.2	146.3	0.8	4.4	0.20	722.0	638.0	583.0	523.0	432.0	349.0	10.4	514.4	22.1

Tabla C.153. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Puebla.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer decil	registrada	para
	X _a (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p mín(mm)	H _p mín	
HA21072	542.6	549.5	147.0	-0.8	4.4	0.27	561.0	429.0	350.0	277.0	184.0	115.0	36.1	156.1	66.0
HA21073	752.7	715.8	232.8	0.4	3.4	0.31	704.0	578.0	504.0	433.0	341.0	271.0	20.7	337.6	51.8
HA21074	2237.6	2183.8	401.5	0.5	4.1	0.18	2224.0	1984.0	1830.0	1682.0	1490.0	1344.0	28.6	1418.3	70.3
HA21075	446.4	481.8	162.8	0.5	3.9	0.36	424.0	273.0	256.0	231.0	134.0	40.0	2.5	245.6	14.0
HA21076	2164.0	2222.5	536.7	-0.5	3.5	0.25	2202.0	1706.0	1417.0	1148.0	802.0	545.0	13.5	1135.2	20.7
HA21077	481.7	453.0	147.4	0.4	2.8	0.31	446.0	359.0	311.0	264.0	202.0	154.0	13.6	232.7	31.9
HA21079	440.3	454.5	113.3	0.3	3.2	0.26	432.0	330.0	303.0	272.0	214.0	157.0	8.1	273.6	19.3
HA21080	648.3	644.5	175.8	-0.4	4.5	0.27	652.0	530.0	452.0	378.0	283.0	211.0	42.0	222.7	89.7
HA21081	589.9	611.4	113.0	-0.2	3.4	0.19	596.0	503.0	442.0	385.0	309.0	251.0	14.9	365.5	25.2
HA21082	566.6	546.0	151.0	0.1	2.9	0.27	546.0	437.0	375.0	317.0	242.0	185.0	25.2	231.9	56.4
HA21083	389.8	390.0	142.4	0.3	3.2	0.37	379.0	277.0	214.0	154.0	77.0	18.0	13.7	131.0	26.3
HA21084	1055.5	1034.7	236.8	0.1	2.8	0.22	1040.0	851.0	748.0	651.0	522.0	423.0	9.9	666.5	17.9
HA21085	1716.0	1604.4	567.4	0.2	2.7	0.33	1597.0	1150.0	969.0	805.0	597.0	443.0	5.8	942.9	11.1
HA21086	737.4	742.3	176.5	0.2	5.1	0.24	739.0	594.0	486.0	366.0	174.0	0.0	17.4	296.9	28.6
HA21088	2083.4	2011.3	675.9	0.3	2.9	0.32	1948.0	1522.0	1277.0	1049.0	756.0	538.0	7.9	1155.1	14.4
HA21089	434.7	453.7	103.3	-0.4	2.9	0.24	438.0	345.0	295.0	249.0	191.0	148.0	13.2	244.3	21.7
HA21090	1336.7	1392.4	308.4	-0.8	5.2	0.23	1370.0	1139.0	985.0	833.0	630.0	473.0	26.2	652.3	45.3
HA21091	1338.5	1298.0	431.0	0.2	3.5	0.32	1376.0	1001.0	755.0	520.0	217.0	0.0	9.6	587.8	16.4
HA21092	378.4	378.0	139.9	-0.3	2.9	0.37	371.0	258.0	199.0	145.0	75.0	24.0	18.9	102.0	35.0
HA21093	476.4	469.8	130.4	0.3	3.7	0.27	479.0	376.0	308.0	244.0	159.0	95.0	16.1	201.0	31.8
HA21095	683.7	662.5	153.4	0.2	3.1	0.22	661.0	584.0	514.0	417.0	277.0	171.0	17.6	371.5	27.0
HA21096	793.1	841.7	256.7	-0.8	4.2	0.32	831.0	606.0	459.0	319.0	137.0	2.0	27.2	151.2	46.6
HA21097	1826.8	1704.3	529.4	0.0	3.2	0.29	1737.0	1390.0	1190.0	1002.0	762.0	583.0	15.7	905.1	28.9
HA21098	1228.1	1212.4	250.8	-0.1	3.4	0.20	1209.0	1016.0	912.0	803.0	641.0	506.0	34.9	587.3	66.1
HA21102	555.3	518.3	275.4	2.9	16.9	0.50	497.0	372.0	256.0	35.0	0.0	0.0	5.3	189.5	13.2
HA21103	1402.3	1359.7	414.2	0.8	3.8	0.30	1364.0	1048.0	835.0	620.0	316.0	64.0	6.6	793.5	11.5
HA21104	1235.4	1235.8	329.7	0.6	3.5	0.27	1215.0	891.0	781.0	642.0	390.0	178.0	5.5	751.5	11.8
HA21106	864.1	843.5	275.8	0.3	2.9	0.32	807.0	594.0	475.0	364.0	223.0	118.0	5.1	514.3	7.9
HA21107	977.1	990.1	292.0	-0.6	4.1	0.30	992.0	751.0	610.0	478.0	310.0	185.0	60.9	140.9	128.0
HA21108	1915.7	1996.5	557.9	-0.2	2.4	0.29	2015.0	1379.0	1147.0	944.0	690.0	502.0	10.8	935.6	20.6

Tabla C.153. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Puebla.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años) primer decil	lluvia mínima registrada Hp min(mm)	Tr(años) para Hp min	
	Media	Mediana	Desv	Std	Coeficientes		2 años	5 años	10 años	20 años	50 años				
	X _a (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)				
HA21110	395.9	396.0	99.8	-0.1	3.2	0.25	396.0	310.0	266.0	225.0	171.0	130.0	10.6	226.4	19.5
HA21111	602.2	538.7	420.3	5.0	31.8	0.70	556.0	402.0	298.0	193.0	37.0	0.0	2.3	263.5	12.6
HA21113	306.7	283.0	163.4	1.0	4.5	0.53	261.0	153.0	83.0	7.0	0.0	0.0	3.3	123.0	6.8
HA21114	1574.2	1574.0	439.0	0.3	3.0	0.28	1604.0	1232.0	992.0	762.0	466.0	244.0	11.2	788.4	18.5
HA21116	802.0	799.3	286.2	0.4	4.5	0.36	788.0	582.0	441.0	293.0	76.0	0.0	11.8	265.4	22.7
HA21117	437.2	414.5	119.1	0.2	4.0	0.27	416.0	360.0	324.0	283.0	214.0	151.0	37.5	192.6	64.0
HA21118	1978.1	2039.9	450.9	-0.5	3.3	0.23	2009.0	1648.0	1418.0	1199.0	917.0	706.0	22.4	991.7	39.1
HA21119	453.3	453.0	136.9	0.8	4.6	0.30	352.5	231.5	151.3	74.5	0.0	0.0	2.4	283.5	3.3
HA21121	1910.8	1811.4	416.1	0.5	3.1	0.22	1777.0	1549.0	1433.0	1325.0	1188.0	1084.0	4.5	1448.9	9.1
HA21122	551.6	549.8	219.0	1.4	7.4	0.40	527.0	369.0	262.0	154.0	0.0	0.0	6.5	225.1	12.7
HA21125	1293.1	1138.2	360.2	0.8	3.7	0.28	1121.0	1008.0	946.0	886.0	801.0	727.0	7.4	859.1	27.1
HA21126	609.5	635.9	127.7	0.0	3.1	0.21	607.0	491.0	438.0	382.0	296.0	225.0	15.4	349.1	28.8
HA21127	2714.5	2990.3	909.8	-0.8	3.1	0.34	3008.0	2057.0	1330.0	644.0	0.0	0.0	14.5	571.6	21.5
HA21128	3980.3	3727.5	746.4	1.2	6.1	0.19	3684.0	3399.0	3208.0	2963.0	2444.0	1947.0	7.0	3039.5	16.5
HA21129	465.1	438.4	175.7	2.1	11.3	0.38	441.0	378.0	195.0	0.0	0.0	0.0	7.3	204.4	9.7
HA21130	1624.5	1570.9	357.0	0.7	4.4	0.22	1495.0	1302.0	1211.0	1119.0	975.0	836.0	4.8	1190.5	11.8
HA21132	867.7	803.4	267.1	1.2	4.9	0.31	804.0	672.0	571.0	445.0	208.0	0.0	8.8	489.6	16.0
HA21136	817.6	866.2	287.2	-0.3	2.9	0.35	876.0	530.0	442.0	366.0	268.0	190.0	20.6	265.5	50.9
HA21140	548.8	517.6	155.7	0.5	4.2	0.28	512.0	439.0	396.0	356.0	302.0	260.0	15.0	319.8	37.1
HA21143	1427.6	1357.2	354.5	0.8	4.8	0.25	1374.0	1188.0	1070.0	959.0	816.0	708.0	10.6	948.4	21.4
HA21147	1828.3	1829.9	525.4	0.1	3.9	0.29	1873.0	1303.0	1122.0	944.0	677.0	442.0	7.5	1020.1	15.0
HA21162	3143.9	3181.0	564.2	-0.9	7.2	0.18	2728.7	2229.8	1899.6	1582.8	1172.7	865.4	7.6	1799.9	12.4
HA21163	756.2	774.6	185.4	0.7	5.3	0.25	719.0	581.0	511.0	423.0	273.0	148.0	6.1	492.5	11.7
HA21172	786.8	860.4	208.9	-1.1	5.3	0.27	859.0	630.0	491.0	365.0	206.0	88.0	15.8	338.6	23.2

Tabla C.153. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Puebla.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA21002	226.6	303.2	379.7	456.3	532.8	609.3	685.9	762.4	839.0	915.5	8.3	5.5	5.5	11.1	11.1	27.7	5.5	8.3	8.3	8.3
HA21003	580.6	857.2	1133.8	1410.4	1687.0	1963.5	2240.1	2516.7	2793.3	3069.9	42.2	0.0	13.3	0.0	0.0	2.2	0.0	0.0	0.0	2.2
HA21004	292.5	377.4	462.4	547.3	632.3	717.2	802.2	887.1	972.1	1057.0	2.7	5.5	8.3	8.3	36.1	13.8	16.6	2.7	0.0	5.5
HA21005	331.0	491.0	651.1	811.1	971.2	1131.3	1291.3	1451.4	1611.4	1771.5	5.1	2.8	25.6	43.5	10.2	0.0	0.0	0.0	0.0	2.5
HA21006	670.8	859.7	1048.7	1237.7	1426.7	1615.6	1804.6	1993.6	2182.5	2371.5	6.8	3.4	0.0	6.8	3.4	10.3	31.0	24.1	6.8	6.8
HA21007	385.2	462.0	538.9	615.7	692.5	769.3	846.1	923.0	999.8	1076.6	2.7	5.5	11.1	22.2	19.4	16.6	11.1	2.7	5.5	2.7
HA21008	432.4	492.4	552.4	612.4	672.4	732.3	792.3	852.3	912.3	972.3	3.3	5.6	6.6	10.0	20.0	10.0	23.3	10.0	6.6	3.3
HA21009	1648.0	1796.5	1944.9	2093.4	2241.9	2390.4	2538.9	2687.3	2835.8	2984.3	3.4	0.3	17.2	13.7	24.1	3.4	13.7	6.8	3.4	3.4
HA21010	141.4	181.7	222.1	262.4	302.8	343.2	383.5	423.9	464.2	504.6	6.6	0.0	6.6	20.0	16.6	10.0	13.3	13.3	3.3	10.0
HA21011	909.2	1275.9	1642.6	2009.3	2376.0	2742.7	3109.4	3476.1	3842.8	4209.5	6.2	0.0	0.0	0.0	0.0	0.0	18.7	18.7	37.5	18.7
HA21012	631.8	687.9	744.1	800.2	856.3	912.4	968.5	1024.7	1080.8	1136.9	4.1	29.1	4.1	8.3	4.1	12.5	20.8	4.1	4.1	8.3
HA21013	202.8	240.6	278.4	316.2	354.1	391.9	429.7	467.5	505.3	543.1	4.3	0.0	8.6	21.7	4.3	13.0	4.3	17.3	8.6	4.3
HA21014	1387.0	1580.9	1774.9	1968.9	2162.9	2356.8	2550.8	2744.8	2938.7	3132.7	3.8	0.0	3.8	34.6	19.2	19.2	7.6	3.8	3.8	3.8
HA21016	393.6	475.6	557.5	639.4	721.4	803.3	885.2	967.1	1049.1	1131.0	4.3	0.0	13.0	15.2	13.0	21.7	13.0	13.0	2.1	4.3
HA21018	210.5	248.1	285.6	323.1	360.6	398.2	435.7	473.2	510.8	548.3	14.2	4.7	0.0	19.0	4.7	9.5	14.2	14.2	4.7	14.2
HA21019	253.6	319.3	385.1	450.9	516.7	582.4	648.2	714.0	779.7	845.5	10.0	19.3	33.3	16.6	6.6	3.3	6.6	6.6	0.0	3.3
HA21020	189.6	231.7	273.9	316.0	358.1	400.2	442.3	484.5	526.6	568.7	6.6	0.0	20.0	0.0	13.3	20.0	6.6	20.0	6.6	6.6
HA21021	628.9	714.2	799.4	884.6	969.9	1055.1	1140.3	1225.5	1310.8	1396.0	5.5	27.7	8.3	5.5	11.1	19.4	5.5	8.3	2.7	5.5
HA21022	567.7	702.8	837.8	972.9	1108.0	1243.1	1378.2	1513.2	1648.3	1783.4	8.3	16.6	8.3	8.3	25.0	16.6	0.0	8.3	0.0	8.3
HA21023	198.0	267.0	336.0	405.0	474.0	543.0	612.0	681.0	750.0	819.0	15.3	7.6	7.6	15.3	12.8	17.9	17.9	2.5	0.0	2.5
HA21024	492.5	562.5	632.5	702.5	772.5	842.5	912.5	982.5	1052.5	1122.5	2.1	2.1	4.3	15.2	19.5	21.7	8.6	15.2	6.5	4.3
HA21025	972.7	1177.6	1382.5	1587.4	1792.4	1997.3	2202.2	2407.1	2612.0	2816.9	3.8	3.8	19.2	11.5	30.7	19.2	3.8	0.0	0.0	7.6
HA21026	377.0	494.0	611.0	728.0	845.0	962.0	1079.0	1196.0	1313.0	1430.0	2.3	4.7	16.6	26.1	16.6	14.2	11.9	2.3	0.0	4.7
HA21027	251.9	311.2	370.6	429.9	489.3	548.6	608.0	667.3	726.7	786.0	5.0	5.0	10.0	0.0	10.0	35.0	10.0	15.0	5.0	5.0
HA21029	180.7	258.8	337.0	415.1	493.3	571.4	649.6	727.7	805.8	884.0	8.6	17.3	21.7	8.6	4.3	8.6	13.0	13.0	0.0	4.3
HA21030	228.7	279.6	330.4	381.3	432.2	483.1	534.0	584.8	635.7	686.6	20.0	5.0	35.0	5.0	20.0	0.0	10.0	0.0	0.0	5.0
HA21031	236.5	281.0	325.5	370.0	414.6	459.1	503.6	548.1	592.6	637.1	18.7	0.0	12.5	12.5	12.5	12.5	18.7	6.2	0.0	6.2
HA21032	2152.8	2572.2	2991.6	3411.0	3830.4	4249.9	4669.3	5088.7	5508.1	5927.5	2.7	0.0	2.7	10.8	18.9	18.9	21.6	5.4	10.8	8.1
HA21033	261.4	351.4	441.4	531.4	621.4	711.3	801.3	891.3	981.3	1071.3	7.1	17.8	17.8	14.2	10.7	14.2	7.1	7.1	0.0	3.5
HA21034	424.8	515.4	606.1	696.7	787.3	877.9	968.5	1059.2	1149.8	1240.4	2.1	2.1	2.1	4.2	19.1	19.1	21.2	12.7	8.5	8.5

Tabla C.154. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Puebla.

#	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Estación	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA21036	233.2	270.5	307.9	345.2	382.5	419.8	457.1	494.5	531.8	569.1	5.2	0.0	5.2	0.0	5.2	21.0	15.7	21.0	15.7	10.5
HA21037	436.0	483.4	530.7	578.1	625.5	672.9	720.3	767.6	815.0	862.4	9.0	13.6	9.0	4.5	22.7	22.7	4.5	4.5	4.5	4.5
HA21038	183.1	235.4	287.8	340.1	392.5	444.9	497.2	549.6	601.9	654.3	9.5	0.0	0.0	14.2	9.5	23.8	9.5	14.2	9.5	9.5
HA21039	429.5	479.4	529.4	579.3	629.2	679.1	729.0	779.0	828.9	878.8	18.7	6.2	6.2	6.2	6.2	12.5	18.7	6.2	6.2	12.5
HA21040	198.8	234.0	269.3	304.5	339.8	375.0	410.3	445.5	480.8	516.0	10.7	3.5	25.0	7.1	17.8	10.7	10.7	0.0	7.1	7.1
HA21041	980.6	1097.3	1214.1	1330.8	1447.6	1564.4	1681.1	1797.9	1914.6	2031.4	16.6	0.0	16.6	16.6	0.0	16.6	8.3	0.0	8.3	16.6
HA21043	1264.1	1440.7	1617.3	1793.9	1970.5	2147.0	2323.6	2500.2	2676.8	2853.4	8.1	5.4	8.1	21.6	13.5	16.2	16.2	2.7	5.4	2.7
HA21044	931.6	1100.5	1269.3	1438.2	1607.1	1776.0	1944.9	2113.7	2282.6	2451.5	9.0	0.0	0.0	18.1	9.0	18.1	18.1	9.0	0.0	18.1
HA21046	382.3	472.7	563.1	653.5	743.9	834.4	924.8	1015.2	1105.6	1196.0	2.3	4.6	2.3	9.3	6.9	30.2	25.5	4.6	9.3	4.6
HA21047	424.7	490.7	556.6	622.5	688.5	754.4	820.3	886.2	952.2	1018.1	13.8	13.8	22.2	22.2	5.5	11.1	5.5	0.0	2.7	2.7
HA21048	470.6	545.0	619.5	693.9	768.4	842.8	917.3	991.7	1066.2	1140.6	5.5	2.7	5.5	8.3	19.4	30.5	16.6	5.5	0.0	5.5
HA21049	273.9	362.5	451.2	539.8	628.4	717.0	805.6	894.3	982.9	1071.5	2.8	2.8	2.8	2.8	17.1	28.5	20.0	14.2	5.7	2.8
HA21051	1859.4	2157.8	2456.2	2754.6	3053.0	3351.4	3649.8	3948.2	4246.6	4545.0	7.4	0.0	11.1	11.1	22.2	14.8	11.1	14.8	0.0	7.4
HA21053	506.9	570.0	633.0	696.0	759.1	822.1	885.1	948.1	1011.2	1074.2	13.3	13.3	10.0	6.6	16.6	10.0	10.0	6.6	0.0	13.3
HA21054	1342.5	1500.1	1657.7	1815.3	1973.0	2130.6	2288.2	2445.8	2603.4	2761.0	3.3	0.0	6.6	3.3	10.0	13.3	23.3	13.3	10.0	16.6
HA21055	2189.0	2371.2	2553.4	2735.6	2917.8	3099.9	3282.1	3464.3	3646.5	3828.7	13.3	13.3	6.6	13.3	23.3	10.0	10.0	6.6	0.0	3.3
HA21056	367.7	508.7	649.6	790.6	931.5	1072.4	1213.4	1354.3	1495.3	1636.2	11.5	7.6	15.3	3.8	15.3	7.6	7.6	23.0	0.0	7.6
HA21057	1630.6	1785.6	1940.7	2095.7	2250.8	2405.9	2560.9	2716.0	2871.0	3026.1	5.2	10.5	0.0	0.0	5.2	26.3	5.2	31.5	10.5	5.2
HA21058	1436.7	1597.6	1758.6	1919.5	2080.5	2241.5	2402.4	2563.4	2724.3	2885.3	16.6	8.3	0.0	16.6	8.3	0.0	8.3	16.6	8.3	16.6
HA21059	450.3	574.5	698.7	822.9	947.1	1071.3	1195.5	1319.7	1443.9	1568.1	14.2	21.4	25.0	14.2	21.4	0.0	0.0	0.0	0.0	3.5
HA21060	228.6	279.1	329.7	380.2	430.8	481.3	531.9	582.4	632.9	683.5	6.6	0.0	20.0	20.0	20.0	6.6	20.0	0.0	0.0	6.6
HA21061	1040.5	1232.7	1424.8	1617.0	1809.1	2001.2	2193.4	2385.5	2577.7	2769.8	7.6	7.6	15.3	15.3	0.0	7.6	15.3	15.3	7.6	7.6
HA21063	643.2	803.1	963.1	1123.0	1282.9	1442.8	1602.7	1762.7	1922.6	2082.5	14.7	27.8	21.3	11.4	9.8	4.9	4.9	1.6	1.6	1.6
HA21064	2815.0	2954.6	3094.1	3233.7	3373.2	3512.7	3652.3	3791.8	3931.4	4070.9	11.1	11.1	7.4	14.8	11.1	7.4	11.1	11.1	3.7	11.1
HA21066	475.5	571.0	666.5	762.0	857.5	953.0	1048.5	1144.0	1239.5	1335.0	3.4	10.3	10.3	20.6	20.6	6.8	6.8	10.3	3.4	6.8
HA21067	672.3	826.3	980.2	1134.2	1288.1	1442.0	1596.0	1749.9	1903.9	2057.8	4.7	0.0	9.5	4.7	0.0	19.0	4.7	23.8	14.2	19.0
HA21068	1180.6	1290.5	1400.5	1510.4	1620.4	1730.3	1840.3	1950.2	2060.2	2170.1	5.5	11.1	16.6	5.5	22.2	16.6	11.1	0.0	5.5	5.5
HA21069	521.4	637.5	753.5	869.6	985.6	1101.6	1217.7	1333.7	1449.8	1565.8	3.3	0.0	6.6	20.0	36.6	16.6	6.6	3.3	3.3	3.3
HA21070	366.2	418.1	470.1	522.0	574.0	626.0	677.9	729.9	781.8	833.8	7.6	11.5	15.3	11.5	11.5	3.8	7.6	7.6	15.3	7.6
HA21071	579.1	643.9	708.6	773.3	838.1	902.8	967.5	1032.2	1097.0	1161.7	12.5	6.2	25.0	25.0	6.2	12.5	0.0	9.3	0.0	3.1

Tabla C.154. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Puebla.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA21072	217.1	278.0	339.0	399.9	460.9	521.9	582.8	643.8	704.7	765.7	4.5	0.0	0.0	13.6	9.0	13.6	18.1	13.6	13.6	13.6
HA21073	429.6	521.6	613.6	705.6	797.6	889.6	981.6	1073.6	1165.6	1257.6	8.6	0.0	17.3	21.7	21.7	0.0	13.0	4.3	8.6	4.3
HA21074	1607.2	1796.0	1984.9	2173.8	2362.7	2551.5	2740.4	2929.3	3118.1	3307.0	2.8	11.4	11.4	22.8	17.1	20.0	2.8	5.7	2.8	2.8
HA21075	302.8	360.0	417.2	474.4	531.7	588.9	646.1	703.3	760.5	817.7	37.5	0.0	6.2	0.0	18.7	25.0	6.2	0.0	0.0	6.2
HA21076	1298.3	1461.3	1624.4	1787.4	1950.5	2113.5	2276.6	2439.6	2602.7	2765.7	8.3	0.0	0.0	25.0	8.3	0.0	8.3	8.3	8.3	33.3
HA21077	289.8	347.0	404.1	461.2	518.4	575.5	632.6	689.7	746.9	804.0	7.1	10.7	14.2	21.4	10.7	0.0	25.0	0.0	7.1	3.5
HA21079	310.9	348.2	385.6	422.9	460.2	497.5	534.8	572.2	609.5	646.8	13.3	13.3	13.3	0.0	13.3	20.0	6.6	0.0	13.3	6.6
HA21080	300.9	379.0	457.2	535.3	613.4	691.6	769.7	847.9	926.0	1004.2	4.3	4.6	0.0	4.3	17.3	26.0	17.3	8.6	8.6	4.3
HA21081	409.2	453.0	496.7	540.5	584.2	627.9	671.7	715.4	759.2	802.9	13.0	0.0	4.3	13.0	17.3	17.3	17.3	4.3	4.3	8.6
HA21082	298.1	364.3	430.4	496.6	562.8	629.0	695.2	761.3	827.5	893.7	4.5	4.5	9.0	13.6	22.7	9.0	13.6	9.0	9.0	4.5
HA21083	186.5	242.0	297.4	352.9	408.4	463.9	519.4	574.8	630.3	685.8	6.8	6.8	13.7	13.7	17.2	13.7	10.3	6.8	3.4	6.8
HA21084	749.6	832.8	915.9	999.1	1082.2	1165.3	1248.5	1331.6	1414.8	1497.9	12.5	8.3	4.1	16.6	12.5	8.3	16.6	8.3	4.1	8.3
HA21085	1106.7	1270.5	1434.3	1598.1	1762.0	1925.8	2089.6	2253.4	2417.2	2581.0	8.3	16.6	16.6	8.3	8.3	0.0	8.3	8.3	8.3	16.6
HA21086	391.8	486.8	581.7	676.6	771.6	866.5	961.4	1056.3	1151.3	1246.2	2.7	5.5	5.5	19.4	25.0	19.4	16.6	0.0	2.7	2.7
HA21088	1356.7	1558.3	1759.9	1961.5	2163.1	2364.7	2566.3	2767.9	2969.5	3171.1	8.3	16.6	16.6	8.3	8.3	0.0	8.3	16.6	8.3	8.3
HA21089	276.6	308.9	341.1	373.4	405.7	438.0	470.3	502.5	534.8	567.1	6.6	6.6	6.6	13.3	6.6	6.6	13.3	0.0	20.0	20.0
HA21090	773.6	895.0	1016.3	1137.7	1259.0	1380.3	1501.7	1623.0	1744.4	1865.7	6.6	6.6	0.0	0.0	13.3	20.0	26.6	13.3	6.6	6.6
HA21091	767.7	947.6	1127.5	1307.4	1487.3	1667.2	1847.1	2027.0	2206.9	2386.8	14.8	3.7	11.1	22.2	7.4	18.5	14.8	3.7	0.0	3.7
HA21092	148.8	195.7	242.5	289.3	336.1	383.0	429.8	476.6	523.5	570.3	5.8	5.8	5.8	17.6	0.0	17.6	5.8	5.8	17.6	17.6
HA21093	264.0	327.0	390.1	453.1	516.1	579.1	642.1	705.2	768.2	831.2	4.7	4.7	16.6	16.6	16.6	21.4	9.5	7.1	0.0	2.3
HA21095	436.6	501.7	566.8	631.9	697.0	762.1	827.2	892.3	957.4	1022.5	4.8	7.3	2.4	21.9	24.3	9.7	14.6	0.0	12.1	2.4
HA21096	257.3	363.5	469.6	575.7	681.9	788.0	894.1	1000.2	1106.4	1212.5	4.3	0.0	8.6	4.3	8.6	13.0	26.0	13.0	17.3	4.3
HA21097	1067.1	1229.1	1391.1	1553.1	1715.2	1877.2	2039.2	2201.2	2363.2	2525.2	8.3	0.0	8.3	16.6	25.0	0.0	8.3	0.0	0.0	33.3
HA21098	706.4	825.5	944.6	1063.7	1182.8	1301.9	1421.0	1540.1	1659.2	1778.3	2.7	0.0	5.4	16.2	18.9	16.2	16.2	5.4	2.7	2.7
HA21102	364.4	539.3	714.2	889.1	1064.0	1238.8	1413.7	1588.6	1763.5	1938.4	19.1	40.4	25.5	8.5	4.2	0.0	0.0	0.0	0.0	2.1
HA21103	960.6	1127.7	1294.8	1461.9	1629.0	1796.1	1963.2	2130.3	2297.4	2464.5	13.6	18.1	9.0	18.1	18.1	9.0	4.5	2.2	0.0	6.8
HA21104	876.4	1001.2	1126.1	1250.9	1375.8	1500.6	1625.5	1750.3	1875.1	2000.0	15.3	15.3	7.6	19.2	7.6	15.3	7.6	3.8	0.0	7.6
HA21106	591.8	669.3	746.8	824.3	901.8	979.3	1056.8	1134.3	1211.8	1289.3	27.2	9.0	9.0	0.0	18.1	0.0	0.0	9.0	18.1	9.0
HA21107	274.7	408.5	542.3	676.1	809.9	943.7	1077.5	1211.3	1345.1	1478.9	2.8	0.0	2.8	5.7	17.1	17.1	14.2	17.1	14.2	8.5
HA21108	1123.8	1312.1	1500.3	1688.6	1876.8	2065.0	2253.3	2441.5	2629.8	2818.0	13.3	6.6	6.6	13.3	3.3	13.3	10.0	13.3	10.0	10.0

Tabla C.154. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Puebla.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA21110	262.6	298.7	334.9	371.0	407.1	443.3	479.4	515.6	551.7	587.9	15.7	0.0	10.5	15.7	15.7	0.0	26.3	5.2	5.2	5.2
HA21111	526.2	788.9	1051.6	1314.3	1577.0	1839.7	2102.4	2365.1	2627.8	2890.5	45.7	48.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8
HA21113	194.5	266.1	337.6	409.2	480.7	552.2	623.8	695.3	766.9	838.4	36.5	7.3	17.0	12.1	9.7	9.7	4.8	0.0	0.0	2.4
HA21114	953.6	1118.8	1284.0	1449.2	1614.4	1779.6	1944.8	2110.0	2275.2	2440.4	6.6	10.0	10.0	13.3	16.6	10.0	16.6	6.6	0.0	10.0
HA21116	406.6	547.7	688.9	830.0	971.2	1112.4	1253.5	1394.7	1535.8	1677.0	9.7	7.3	12.1	29.2	17.0	9.7	12.1	0.0	0.0	2.4
HA21117	238.0	283.4	328.8	374.2	419.7	465.1	510.5	555.9	601.3	646.7	5.8	0.0	0.0	23.5	23.5	11.7	11.7	5.8	0.0	17.6
HA21118	1163.1	1334.6	1506.0	1677.5	1848.9	2020.3	2191.8	2363.2	2534.7	2706.1	8.8	0.0	5.8	8.8	8.8	14.7	23.5	11.7	5.8	11.7
HA21119	324.3	365.1	405.9	446.7	487.5	528.3	569.1	609.9	650.7	691.5	18.1	9.0	9.0	0.0	36.3	9.0	0.0	0.0	0.0	18.1
HA21121	1566.8	1684.7	1802.6	1920.5	2038.5	2156.4	2274.3	2392.2	2510.1	2628.0	33.3	8.3	8.3	8.3	0.0	8.3	8.3	8.3	8.3	8.3
HA21122	328.2	431.2	534.3	637.3	740.4	843.5	946.5	1049.6	1152.6	1255.7	12.5	25.0	8.3	25.0	16.6	4.1	4.1	0.0	0.0	4.1
HA21125	973.1	1087.0	1201.0	1315.0	1429.0	1542.9	1656.9	1770.9	1884.8	1998.8	8.3	33.3	16.6	0.0	8.3	0.0	16.6	8.3	0.0	8.3
HA21126	403.6	458.1	512.6	567.1	621.6	676.0	730.5	785.0	839.5	894.0	3.3	6.6	16.6	13.3	6.6	23.3	10.0	10.0	6.6	3.3
HA21127	959.2	1346.8	1734.4	2122.0	2509.6	2897.2	3284.8	3672.4	4060.0	4447.6	4.2	10.6	4.2	2.1	8.5	17.0	25.5	21.2	4.2	2.1
HA21128	3309.1	3578.7	3848.3	4117.9	4387.5	4657.1	4926.7	5196.3	5465.9	5735.5	8.3	25.0	25.0	8.3	0.0	16.6	8.3	0.0	0.0	8.3
HA21129	290.7	377.1	463.4	549.8	636.1	722.4	808.8	895.1	981.5	1067.8	15.0	5.0	40.0	20.0	15.0	0.0	0.0	0.0	0.0	5.0
HA21130	1308.4	1426.2	1544.1	1662.0	1779.8	1897.7	2015.6	2133.5	2251.3	2369.2	25.0	8.3	16.6	0.0	16.6	8.3	16.6	0.0	0.0	8.3
HA21132	591.4	693.2	795.0	896.8	998.5	1100.3	1202.1	1303.9	1405.7	1507.5	12.5	8.3	16.6	33.3	8.3	8.3	0.0	0.0	4.1	8.3
HA21136	362.9	460.2	557.6	654.9	752.3	849.6	947.0	1044.3	1141.7	1239.0	5.5	5.5	5.5	16.6	5.5	11.1	11.1	11.1	11.1	16.6
HA21140	372.5	425.2	477.9	530.6	583.4	636.1	688.8	741.5	794.2	846.9	16.6	0.0	8.3	33.3	8.3	8.3	0.0	16.6	0.0	8.3
HA21143	1061.0	1173.6	1286.2	1398.8	1511.4	1623.9	1736.5	1849.1	1961.7	2074.3	9.0	9.0	18.1	18.1	9.0	18.1	0.0	0.0	0.0	18.1
HA21147	1193.7	1367.3	1540.8	1714.4	1888.0	2061.6	2235.2	2408.7	2582.3	2755.9	18.1	9.0	9.0	0.0	18.1	9.0	18.1	9.0	0.0	9.0
HA21162	2029.4	2259.0	2488.5	2718.0	2947.5	3177.1	3406.6	3636.1	3865.7	4095.2	8.3	0.0	0.0	0.0	25.0	16.6	25.0	8.3	8.3	8.3
HA21163	561.2	630.0	698.7	767.4	836.2	904.9	973.6	1042.3	1111.1	1179.8	15.3	5.3	15.3	0.0	15.3	30.7	0.0	0.0	0.0	7.6
HA21172	406.7	474.8	542.9	611.0	679.1	747.1	815.2	883.3	951.4	1019.5	9.0	0.0	0.0	18.1	0.0	9.0	0.0	27.2	9.0	27.2

Tabla C.154. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Puebla.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	lluvia disponible			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año) respecto a X _o	Hp disp S(mm)	Hp disp S(mm)			
HA21002	3.7	1.2	2.3	2.5	342.0	580.2	148.6	27.0	393.6	4.7	MUY VASTA	
HA21003	5.2	3.7	3.6	3.3	585.4	495.6	162.6	22.0	563.2	2.8	EXTREMADAMENTE VASTA	
HA21004	4.1	1.6	2.3	1.5	265.1	275.9	115.2	18.0	500.3	5.2	MUY SEVERA	
HA21005	4.5	2.1	2.0	1.2	329.2	247.1	164.6	24.0	498.9	5.2	MUY VASTA	
HA21006	6.6	1.2	2.5	1.5	1136.6	841.8	454.6	27.0	1175.0	8.3	MUY VASTA	
HA21007	3.1	0.9	1.7	0.7	205.3	131.8	120.7	18.0	535.5	4.4	SEVERA	
HA21008	4.7	2.3	2.3	1.2	270.4	141.8	117.5	16.0	514.0	5.7	MUY SEVERA	
HA21009	3.2	0.6	1.7	0.7	455.7	433.7	268.0	12.0	1881.4	4.6	SEVERA	
HA21010	3.8	1.5	2.4	1.5	178.1	82.7	74.2	23.0	241.4	4.4	MUY VASTA	
HA21011	6.0	1.0	2.3	1.2	1257.3	1370.5	546.6	16.0	2781.4	8.1	MUY SEVERA	
HA21012	3.8	1.2	1.7	1.0	237.5	97.7	139.7	16.0	694.3	3.0	SEVERA	
HA21013	3.7	1.7	2.3	1.4	193.0	105.7	83.9	23.0	268.0	4.8	MUY VASTA	
HA21014	2.7	0.9	1.5	0.6	406.6	328.2	271.0	12.0	1840.9	4.9	SEVERA	
HA21016	4.5	2.0	2.3	1.2	322.9	240.7	140.3	19.0	586.7	4.7	MUY SEVERA	
HA21018	4.5	1.8	2.0	0.8	202.4	70.4	101.1	26.0	274.1	4.8	MUY VASTA	
HA21019	5.0	3.5	3.0	3.1	286.0	371.0	95.3	22.0	322.5	3.8	EXTREMADAMENTE VASTA	
HA21020	6.0	1.0	2.0	0.8	225.7	128.3	112.8	29.0	265.5	6.5	MUY VASTA	
HA21021	4.2	1.2	2.0	0.9	386.0	170.2	193.0	21.0	708.3	3.0	MUY VASTA	
HA21022	3.3	1.2	1.5	0.8	412.6	359.7	275.0	27.0	736.6	6.7	VASTA	
HA21023	4.1	1.5	2.3	2.1	325.1	481.2	141.3	34.0	272.8	4.8	MUY CRITICA	
HA21024	4.0	2.1	2.1	1.5	232.8	180.4	110.8	13.0	688.3	4.8	MUY SEVERA	
HA21025	4.2	1.1	2.3	1.5	705.8	786.4	306.8	18.0	1341.2	1.9	MUY SEVERA	
HA21026	5.1	2.4	2.6	2.2	418.3	525.8	160.8	20.0	614.6	4.4	MUY SEVERA	
HA21027	3.0	0.6	1.5	0.7	165.7	137.3	110.4	21.0	407.3	5.6	VASTA	
HA21029	7.3	1.6	3.2	2.2	532.6	454.3	166.4	39.0	254.9	3.8	CATASTROFICA	
HA21030	6.3	2.6	3.0	2.3	227.9	77.4	75.9	21.0	272.0	3.6	EXTREMADAMENTE VASTA	
HA21031	3.2	1.6	1.3	0.4	156.9	74.1	120.6	30.0	270.2	7.2	VASTA	
HA21032	3.5	1.3	1.7	1.2	1135.7	1235.5	668.0	15.0	3547.8	5.0	SEVERA	
HA21033	5.2	1.7	2.3	0.7	380.4	130.6	165.3	32.0	350.1	4.2	MUY CRITICA	
HA21034	4.6	2.2	2.3	1.0	345.3	242.7	150.1	17.0	731.0	5.6	MUY SEVERA	

Tabla C.155. Características de la sequía promedio de cada estación climatológica del estado de Puebla.

Supes	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DeevStd	PerS	Duración	DeevStd	DS	Severidad	DeevStd	SS	Intensidad		
Estación	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s	Hp disp	S(mm)	Hp disp	S(mm)
A1	HA21036	8.0	2.0	3.3	1.8	207.5	60.5	62.8	14.0	374.5	5.0	EXTREMADAMENTE SEVERA
	HA21037	4.0	1.0	1.6	0.4	171.7	135.1	107.3	17.0	489.5	6.1	SEVERA
	HA21038	3.7	1.0	2.0	0.8	206.2	189.4	103.0	23.0	329.7	5.6	MUY VASTA
	HA21039	3.2	1.0	1.3	0.4	221.2	91.6	170.1	27.0	458.0	3.9	VASTA
	HA21040	4.3	2.2	2.1	1.3	146.0	138.7	69.5	22.0	245.7	4.5	MUY VASTA
	HA21041	2.5	0.5	2.0	0.8	657.2	251.6	328.6	23.0	1057.3	7.5	MUY VASTA
	HA21043	4.8	2.4	2.7	1.3	848.8	659.0	314.3	16.0	1586.0	4.8	MUY SEVERA
	HA21044	2.5	0.5	2.0	0.8	644.5	468.3	322.2	18.0	1402.4	4.8	MUY SEVERA
	HA21046	3.4	1.2	1.6	0.7	220.4	200.9	137.7	17.0	664.5	6.0	SEVERA
	HA21047	4.2	2.2	2.2	1.6	227.6	209.5	103.4	17.0	477.3	3.9	MUY SEVERA
	HA21048	4.5	3.1	1.8	1.2	245.3	166.0	136.2	17.0	634.7	5.4	SEVERA
	HA21049	4.8	1.6	2.3	1.3	284.5	287.8	123.6	17.0	569.4	4.8	MUY SEVERA
	HA21051	3.7	1.4	1.7	1.2	935.0	708.2	550.0	17.0	2520.7	5.0	SEVERA
	HA21053	4.3	1.9	2.2	1.2	319.5	235.0	145.2	20.0	584.7	4.5	MUY SEVERA
	HA21054	3.2	1.0	2.0	1.0	525.5	414.3	262.7	11.0	1934.2	4.5	MUY SEVERA
ATBA	HA21055	3.8	1.7	2.0	1.3	728.2	615.4	364.1	13.0	2385.5	4.8	MUY SEVERA
	HA21056	5.5	2.6	2.7	0.7	889.9	600.6	329.5	36.0	568.5	4.3	MUY CRITICA
	HA21057	4.5	2.5	1.7	1.1	578.7	340.8	340.4	14.0	2065.5	5.9	SEVERA
	HA21058	3.3	1.2	1.5	0.5	702.2	134.9	468.1	21.0	1668.9	4.6	VASTA
	HA21059	3.8	1.3	2.4	1.1	342.9	157.8	142.8	21.0	532.5	4.0	MUY VASTA
	HA21060	3.0	0.5	2.0	1.7	168.6	164.8	84.3	20.0	317.9	4.0	MUY SEVERA
	HA21061	3.3	1.2	1.5	0.8	832.1	594.9	554.7	30.0	1242.6	4.9	VASTA
	HA21063	7.5	4.0	3.8	3.1	891.3	713.3	234.5	24.0	709.1	3.1	EXTREMADAMENTE VASTA
	HA21064	3.8	1.2	2.1	1.2	642.2	335.6	305.8	9.0	3029.2	4.3	MODERADA
	HA21066	3.0	0.5	2.0	1.2	297.0	177.0	148.5	18.0	674.6	4.0	MUY SEVERA
AT	HA21067	3.7	1.2	1.6	0.7	669.0	395.0	418.1	27.0	1116.1	6.4	VASTA
	HA21068	5.0	2.4	2.0	0.7	466.1	331.3	233.0	14.0	1325.3	3.6	MUY SEVERA
	HA21069	4.0	0.9	1.8	0.5	269.3	125.0	149.6	15.0	804.3	5.7	SEVERA
	HA21070	4.4	1.6	2.3	1.3	287.1	131.8	124.8	22.0	437.9	4.4	MUY VASTA
	HA21071	3.4	1.3	1.8	1.4	174.1	168.2	96.7	12.0	649.2	4.4	SEVERA

Tabla C.155. Características de la sequía promedio de cada estación climatológica del estado de Puebla.

Estación	Características promedio de la sequía meteorológica								Huvia disponible Hp disp S(mm)	Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a Xc			
HA21072	3.2	1.1	1.4	0.7	206.5	217.0	147.5	27.0	395.0	6.7	VASTA
HA21073	4.2	1.4	2.3	1.2	348.9	242.9	151.6	20.0	601.1	4.1	MUY SEVERA
HA21074	4.8	2.0	2.5	1.4	763.5	747.0	305.3	13.0	1932.3	6.3	MUY SEVERA
HA21075	6.0	1.0	2.3	0.4	359.7	35.0	156.3	35.0	290.0	2.9	MUY CRITICA
HA21076	2.5	0.5	2.0	0.8	906.4	477.7	453.2	20.0	1710.7	4.9	MUY SEVERA
HA21077	4.0	2.4	2.4	1.4	245.4	195.8	102.2	21.0	379.4	3.9	MUY VASTA
HA21079	3.3	0.4	1.5	0.5	169.3	54.5	112.8	25.0	327.4	5.3	VASTA
HA21080	3.2	0.9	2.0	1.1	240.9	160.3	120.4	18.0	527.8	5.1	MUY SEVERA
HA21081	3.3	0.9	1.5	0.7	146.0	91.6	97.3	16.0	492.6	5.6	SEVERA
HA21082	3.6	1.3	2.0	0.9	224.4	152.4	112.1	19.0	454.4	4.2	MUY SEVERA
HA21083	3.8	1.4	1.7	0.4	201.0	45.2	118.2	30.0	271.6	5.3	VASTA
HA21084	5.2	3.1	2.6	2.7	462.7	407.2	177.9	16.0	877.6	4.3	MUY SEVERA
HA21085	3.3	0.4	1.5	0.5	737.0	307.2	491.3	28.0	1224.6	3.9	VASTA
HA21086	4.0	1.0	1.8	0.9	257.8	138.2	143.2	19.0	594.2	5.0	SEVERA
HA21088	3.3	0.4	1.5	0.5	842.5	459.7	561.6	26.0	1521.8	5.0	VASTA
HA21089	4.3	1.6	1.7	0.8	162.8	132.3	95.7	22.0	338.9	5.4	VASTA
HA21090	4.6	2.4	1.5	0.5	417.5	274.2	278.3	20.0	1058.4	7.2	SEVERA
HA21091	6.2	5.3	2.8	3.5	927.8	1264.5	331.3	24.0	1007.2	4.9	MUY VASTA
HA21092	4.0	0.7	1.8	0.7	194.3	96.9	107.9	28.0	270.5	4.4	VASTA
HA21093	4.7	1.3	2.5	0.8	240.5	145.7	96.1	20.0	380.3	4.8	MUY SEVERA
HA21095	4.5	1.6	2.6	1.5	275.0	240.0	105.7	15.0	577.9	5.4	MUY SEVERA
HA21096	5.0	2.4	2.5	1.6	558.6	578.8	223.4	28.0	569.6	5.9	MUY VASTA
HA21097	2.5	0.5	2.3	1.2	891.0	669.1	387.3	21.0	1439.5	4.3	MUY VASTA
HA21098	3.3	1.0	2.0	0.9	375.9	363.3	187.9	15.0	1040.2	4.3	MUY SEVERA
HA21102	4.4	1.4	2.7	1.1	390.8	334.5	144.7	26.0	410.6	3.8	MUY VASTA
HA21103	4.1	1.7	2.1	1.1	639.6	480.9	304.5	21.0	1097.8	4.3	MUY VASTA
HA21104	5.0	2.5	2.5	1.6	661.4	431.3	264.5	21.0	970.9	3.2	MUY VASTA
HA21106	3.3	1.2	1.5	0.5	318.5	28.3	212.3	24.0	651.7	3.7	VASTA
HA21107	4.6	2.3	2.2	1.3	572.4	546.0	260.1	26.0	716.9	5.9	MUY VASTA
HA21108	4.7	2.7	2.1	1.4	1186.1	1386.3	564.8	29.0	1350.9	5.4	MUY VASTA

Tabla C.155. Características de la sequía promedio de cada estación climatológica del estado de Puebla.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS	Huvia disponible			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c	Hp disp S(mm)	Hp disp S(mm)		
HA21110	4.0	1.8	1.7	1.1	152.9	77.7	89.9	22.0	306.0	5.3	VASTA	
HA21111	4.8	2.1	3.5	1.9	456.2	293.3	130.3	21.0	471.9	3.2	EXTREMADAMENTE VASTA	
HA21113	4.9	1.2	3.2	2.3	365.2	262.3	120.3	39.0	186.4	3.6	CATASTROFICA	
HA21114	6.7	3.9	3.3	1.8	1047.8	739.4	317.5	20.0	1256.6	4.7	EXTREMADAMENTE SEVERA	
HA21116	4.4	3.0	2.1	1.3	426.3	374.8	203.0	25.0	599.9	4.6	MUY VASTA	
HA21117	3.7	1.2	2.1	1.1	155.5	129.8	74.0	16.0	368.1	4.7	MUY SEVERA	
HA21118	3.0	1.0	1.2	0.4	538.3	316.4	448.5	22.0	1529.6	7.1	VASTA	
HA21119	4.0	1.0	2.6	0.9	173.5	49.4	66.7	14.0	386.5	1.6	MUY SEVERA	
HA21121	3.3	1.2	1.7	0.8	534.0	243.2	314.1	16.0	1556.7	3.9	SEVERA	
HA21122	4.6	1.0	2.0	0.8	301.6	208.3	150.8	27.0	400.8	4.1	MUY VASTA	
HA21125	2.5	0.5	1.3	0.4	365.4	86.8	281.0	21.0	1012.1	4.8	VASTA	
HA21126	4.0	1.1	2.0	0.9	225.6	120.4	112.8	18.0	490.6	4.7	MUY SEVERA	
HA21127	5.7	3.0	1.8	2.1	1879.8	2887.3	1044.3	38.0	1670.1	7.2	CRITICA	
HA21128	3.3	0.4	1.7	0.4	873.9	380.1	514.0	12.0	3466.3	3.9	SEVERA	
HA21129	3.2	1.4	2.1	1.3	177.8	159.8	84.6	18.0	380.4	4.9	MUY SEVERA	
HA21130	3.3	1.2	1.5	0.5	440.3	29.3	293.5	18.0	1331.0	4.1	SEVERA	
HA21132	5.0	1.6	4.0	1.2	572.5	344.7	143.1	16.0	724.6	3.4	SEVERA	
HA21136	3.5	1.1	1.7	1.1	426.0	373.0	250.5	30.0	567.1	4.0	VASTA	
HA21140	3.6	1.2	2.0	1.2	179.6	122.8	89.8	16.0	454.9	3.7	MUY SEVERA	
HA21143	2.5	0.5	1.3	0.4	289.0	242.8	222.3	15.0	1205.3	4.5	SEVERA	
HA21147	3.3	1.2	1.2	0.4	580.5	368.9	483.7	26.0	1344.5	4.4	VASTA	
HA21162	2.3	0.4	1.5	0.8	579.6	505.1	386.3	12.0	2757.5	1.9	SEVERA	
HA21163	3.5	0.5	2.0	0.8	314.5	44.9	157.2	20.0	596.0	4.2	MUY SEVERA	
HA21172	6.0	0.5	2.0	0.5	455.5	232.0	227.7	28.0	559.1	7.0	MUY VASTA	

Tabla C.155. Características de la sequía promedio de cada estación climatológica del estado de Puebla.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^m	% de I ^m	Intensidad	Duración	% de I ^m	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I ^m (mm/año)	respecto a X _o	I máx(mm/año)	D máx(años)	respecto a X _o	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA21002	1844.4	9.0	204.9	37.0	204.9	9.0	37.0	62.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	12.5	0.0
HA21003	1636.1	12.0	136.3	18.0	222.8	3.0	30.0	33.3	22.2	11.1	0.0	11.1	11.1	0.0	0.0	0.0	0.0
HA21004	928.2	4.0	232.0	37.0	314.0	1.0	51.0	50.0	12.5	0.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0
HA21005	806.3	5.0	161.2	24.0	322.9	2.0	48.0	44.4	33.3	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0
HA21006	2164.9	4.0	541.2	33.0	551.4	1.0	33.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21007	448.1	2.0	224.0	34.0	224.0	2.0	34.0	45.4	36.3	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21008	496.1	2.0	248.0	35.0	248.0	2.0	35.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA21009	1483.3	3.0	494.4	23.0	494.4	3.0	23.0	44.4	33.3	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21010	338.2	6.0	56.3	17.0	214.6	1.0	67.0	28.5	42.8	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA21011	3194.9	4.0	798.7	23.0	798.7	4.0	23.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA21012	398.2	4.0	99.5	11.0	258.3	1.0	30.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA21013	320.9	5.0	64.1	18.0	114.8	1.0	32.0	40.0	20.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA21014	1120.6	2.0	560.3	26.0	560.3	2.0	26.0	55.5	33.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21016	780.4	4.0	195.1	26.0	226.3	1.0	31.0	40.0	20.0	10.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21018	262.1	3.0	87.3	23.0	202.2	1.0	53.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21019	1100.8	10.0	110.0	26.0	137.5	2.0	32.0	33.3	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6
HA21020	406.5	3.0	135.5	35.0	135.5	3.0	35.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21021	726.6	4.0	181.6	20.0	352.6	1.0	39.0	33.3	44.4	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA21022	991.4	3.0	330.4	32.0	337.9	1.0	33.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21023	1564.8	8.0	195.6	47.0	195.6	8.0	47.0	37.5	50.0	0.0	0.0	0.0	0.0	0.0	12.5	0.0	0.0
HA21024	623.4	5.0	124.6	15.0	200.6	1.0	25.0	63.6	0.0	0.0	27.2	9.0	0.0	0.0	0.0	0.0	0.0
HA21025	2191.3	5.0	438.2	26.0	438.2	5.0	26.0	50.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0
HA21026	1338.8	7.0	191.2	24.0	220.9	6.0	28.0	55.5	11.1	0.0	11.1	0.0	11.1	11.1	0.0	0.0	0.0
HA21027	361.8	3.0	120.6	23.0	325.2	1.0	62.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21029	1195.1	6.0	199.1	47.0	199.1	6.0	47.0	50.0	0.0	0.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0
HA21030	353.7	7.0	50.5	14.0	168.9	1.0	48.0	25.0	50.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0
HA21031	238.7	2.0	119.3	30.0	188.2	1.0	48.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21032	4308.8	5.0	861.7	20.0	2482.4	1.0	58.0	63.6	18.1	9.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
HA21033	644.5	3.0	214.8	41.0	344.0	1.0	66.0	16.6	33.3	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21034	758.3	3.0	252.7	28.0	267.3	2.0	30.0	30.0	30.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.156. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Puebla.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I'	Intensidad	Duración / máx	% de I' máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I'(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA21036	259.5	2.0	129.7	29.0	129.7	2.0	29.0	0.0	66.6	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0
HA21037	348.6	2.0	174.3	29.0	174.3	2.0	29.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21038	573.7	2.0	286.8	66.0	286.8	2.0	66.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21039	328.6	2.0	164.3	26.0	243.5	1.0	39.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21040	465.9	5.0	93.1	29.0	147.8	1.0	46.0	42.8	28.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA21041	1009.9	3.0	336.6	23.0	521.5	1.0	36.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21043	2080.1	5.0	416.0	21.0	725.3	2.0	38.0	28.5	14.2	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0
HA21044	1305.8	3.0	435.2	25.0	435.2	3.0	25.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21046	691.9	2.0	345.9	43.0	345.9	2.0	43.0	53.8	30.7	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21047	706.2	6.0	117.7	20.0	191.5	2.0	32.0	44.4	33.3	0.0	11.1	0.0	11.1	0.0	0.0	0.0	0.0
HA21048	461.6	5.0	92.3	11.0	374.8	1.0	48.0	50.0	37.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0
HA21049	848.0	5.0	169.6	24.0	213.7	3.0	30.0	37.5	12.5	37.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
HA21051	2280.5	4.0	570.1	18.0	1509.7	1.0	49.0	75.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21053	737.9	5.0	147.5	20.0	226.9	2.0	31.0	28.5	42.8	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA21054	1216.2	4.0	304.0	13.0	597.4	2.0	27.0	37.5	37.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA21055	2126.6	4.0	531.6	19.0	742.8	1.0	27.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
HA21056	1944.2	4.0	486.0	54.0	486.0	4.0	54.0	0.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21057	943.2	4.0	235.8	9.0	931.4	1.0	38.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21058	856.3	1.0	856.3	40.0	856.3	1.0	40.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21059	659.4	4.0	164.8	24.0	349.2	1.0	51.0	28.5	28.5	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0
HA21060	448.4	5.0	89.6	22.0	118.5	1.0	29.0	75.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA21061	1820.5	3.0	606.8	33.0	704.8	1.0	39.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21063	1899.7	11.0	172.7	18.0	355.7	5.0	37.0	33.3	11.1	11.1	0.0	22.2	11.1	0.0	0.0	0.0	0.0
HA21064	1316.0	4.0	329.0	9.0	417.2	1.0	12.0	42.8	28.5	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
HA21066	584.8	2.0	292.4	35.0	311.6	1.0	37.0	44.4	33.3	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0
HA21067	1212.1	3.0	404.0	26.0	1015.8	1.0	66.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21068	783.9	2.0	391.9	25.0	391.9	2.0	25.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21069	569.8	2.0	284.9	29.0	284.9	2.0	29.0	25.0	62.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21070	504.1	5.0	100.8	17.0	187.7	1.0	33.0	33.3	33.3	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA21071	507.1	6.0	84.5	11.0	207.5	2.0	27.0	60.0	30.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0

Tabla C.156. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Puebla.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I^* Smáx/Dmáx	% de I^*	Intensidad	Duración / máx	% de / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I^* (mm/año)	respecto a X_c	I máx(mm/año)	D / máx(años)	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA21072	616.3	3.0	205.4	37.0	205.4	3.0	37.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21073	850.8	5.0	170.1	22.0	209.4	2.0	27.0	16.6	66.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA21074	2384.9	6.0	397.4	17.0	523.2	2.0	23.0	14.2	57.1	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA21075	400.3	3.0	133.4	29.0	181.9	2.0	40.0	0.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21076	1552.2	3.0	517.4	23.0	517.4	3.0	23.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21077	515.7	5.0	103.1	21.0	214.4	2.0	44.0	42.8	14.2	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0
HA21079	214.9	2.0	107.4	24.0	166.6	1.0	37.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21080	428.9	4.0	107.2	16.0	425.5	1.0	65.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA21081	320.8	3.0	106.9	18.0	193.0	1.0	32.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21082	526.6	3.0	175.5	30.0	182.2	2.0	32.0	33.3	41.6	16.6	8.3	0.0	0.0	0.0	0.0	0.0	0.0
HA21083	300.6	2.0	150.3	38.0	235.1	1.0	60.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21084	1130.2	8.0	141.2	13.0	389.0	1.0	36.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21085	1209.6	2.0	604.7	35.0	604.7	2.0	35.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
HA21086	543.1	4.0	135.7	18.0	270.8	1.0	36.0	44.4	33.3	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA21088	1633.3	2.0	816.6	39.0	816.6	2.0	39.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21089	369.1	3.0	123.0	28.0	123.0	3.0	28.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21090	698.0	2.0	349.0	26.0	684.4	1.0	51.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21091	3414.4	10.0	341.4	25.0	750.7	1.0	56.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21092	276.4	1.0	276.4	73.0	276.4	1.0	73.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
HA21093	519.3	4.0	129.8	27.0	133.0	3.0	27.0	11.1	33.3	44.4	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA21095	712.6	6.0	118.7	17.0	162.5	3.0	23.0	33.3	11.1	33.3	11.1	0.0	11.1	0.0	0.0	0.0	0.0
HA21096	1508.4	5.0	301.6	38.0	301.6	5.0	38.0	50.0	0.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA21097	1836.6	4.0	459.1	25.0	459.1	4.0	25.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA21098	1298.7	3.0	432.9	35.0	432.9	3.0	35.0	40.0	30.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21102	1236.4	6.0	206.0	37.0	276.9	2.0	49.0	0.0	50.0	40.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
HA21103	1744.8	4.0	436.2	31.0	555.1	1.0	39.0	36.3	36.3	0.0	27.2	0.0	0.0	0.0	0.0	0.0	0.0
HA21104	1491.9	5.0	298.3	24.0	421.9	1.0	34.0	40.0	20.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA21106	349.7	1.0	349.7	40.0	349.7	1.0	40.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21107	1882.2	5.0	376.4	38.0	428.3	1.0	43.0	42.8	14.2	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA21108	4012.7	5.0	802.5	41.0	802.5	5.0	41.0	50.0	16.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0

Tabla C.156. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Puebla.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* > S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / $máx$	% de $I_{máx}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_o	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_o	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA21110	245.5	4.0	61.3	15.0	154.6	1.0	39.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21111	1060.3	6.0	176.7	29.0	220.9	2.0	36.0	14.2	28.5	14.2	0.0	14.2	28.5	0.0	0.0	0.0	0.0
HA21113	960.9	9.0	108.9	35.0	176.7	2.0	57.0	0.0	57.1	28.5	0.0	0.0	0.0	0.0	0.0	14.2	0.0
HA21114	2000.0	5.0	400.0	25.0	420.8	1.0	26.0	20.0	20.0	20.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0
HA21116	1359.0	3.0	453.0	56.0	525.4	1.0	65.0	50.0	20.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
HA21117	337.1	2.0	168.5	38.0	168.5	2.0	38.0	40.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21118	986.4	1.0	986.4	49.0	986.4	1.0	49.0	72.7	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21119	242.5	2.0	121.2	26.0	121.2	2.0	26.0	0.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA21121	954.4	3.0	318.1	16.0	387.6	1.0	20.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21122	709.2	3.0	236.4	42.0	271.3	1.0	49.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21125	458.7	2.0	229.3	17.0	434.0	1.0	31.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21126	401.3	4.0	100.3	16.0	191.8	1.0	31.0	28.5	57.1	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA21127	9883.4	8.0	1235.4	45.0	1586.9	1.0	58.0	77.7	11.1	0.0	0.0	0.0	0.0	0.0	11.1	0.0	0.0
HA21128	1442.1	2.0	721.0	18.0	721.0	2.0	18.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21129	444.9	2.0	222.4	47.0	222.4	2.0	47.0	50.0	16.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA21130	485.9	2.0	243.0	14.0	434.0	1.0	26.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21132	1056.7	5.0	211.3	24.0	211.3	5.0	24.0	0.0	25.0	0.0	25.0	50.0	0.0	0.0	0.0	0.0	0.0
HA21136	1139.6	4.0	284.9	34.0	425.6	1.0	52.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21140	301.6	4.0	75.4	13.0	147.1	2.0	26.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21143	731.6	2.0	365.8	25.0	365.8	2.0	25.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21147	1119.4	2.0	559.7	30.0	641.2	1.0	35.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21162	1343.9	1.0	1343.9	42.0	1343.9	1.0	42.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21163	373.0	3.0	124.3	16.0	263.7	1.0	34.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA21172	687.6	2.0	343.8	43.0	343.8	2.0	43.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.156. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Puebla.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes períodos de retorno (Tr)						Tr(años)		lluvia mínima		Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	25 años	50 años	100 años	primar	registrada	para		
	X _c (mm)	(mm)	S _{mm}	g	k	Cv	H ₂ (mm)	H ₅ (mm)	H ₁₀ (mm)	H ₂₅ (mm)	H ₅₀ (mm)	H ₁₀₀ (mm)	decil	H _{p mín} (mm)	H _{p mín}		
Acajete	732.0	722.0	177.0	0.4	3.2	0.24	709.0	588.0	513.0	439.0	336.0	252.0	16.9	375.8	35.3		
Acateño	3980.3	3727.5	746.4	1.2	6.1	0.19	3684.0	3399.0	3208.0	2963.0	2444.0	1947.0	7.0	3039.5	16.5		
Acatlán	774.0	765.6	206.8	2.2	13.8	0.27	780.0	615.0	505.0	398.0	257.0	145.0	6.1	442.7	15.0		
Acatzingo	604.6	577.3	176.3	1.3	7.2	0.29	608.0	462.0	363.0	266.0	131.0	21.0	7.2	313.3	14.3		
Acteopan	776.9	788.5	172.0	-0.3	6.3	0.22	786.0	662.0	575.0	484.0	344.0	218.0	69.4	185.3	117.6		
Ahuacatlán	1629.6	1658.6	452.0	-1.0	4.5	0.28	1717.0	1384.0	1096.0	790.0	385.0	81.0	26.2	481.8	40.1		
Ahuatlán	759.1	774.0	190.5	0.2	5.4	0.25	758.0	628.0	544.0	462.0	355.0	274.0	82.9	185.3	208.1		
Ahuazotepac	437.4	437.0	91.4	-1.1	5.5	0.21	447.0	375.0	330.0	288.0	234.0	194.0	50.7	195.9	96.1		
Ahuehuetlilla	774.0	765.6	206.8	2.2	13.8	0.27	780.0	615.0	505.0	398.0	257.0	145.0	6.1	442.7	15.0		
Ajalpan	1850.9	1745.4	410.9	0.6	4.4	0.22	1736.0	1539.0	1408.0	1257.0	994.0	743.0	36.7	882.0	68.9		
Albino Zertuche	863.0	822.5	217.5	0.4	3.1	0.25	816.0	674.0	588.0	496.0	356.0	234.0	18.9	396.1	39.2		
Aljajuca	619.1	634.3	134.6	-0.4	4.4	0.22	520.1	401.1	322.3	246.8	149.0	75.7	7.7	294.1	12.9		
Allapexi	318.8	288.1	140.9	1.2	5.9	0.44	305.0	199.0	129.0	57.0	0.0	0.0	5.2	123.0	10.6		
Amixtlán	1629.6	1658.6	452.0	-1.0	4.5	0.28	1717.0	1384.0	1096.0	790.0	385.0	81.0	26.2	481.8	40.1		
Amozoc	806.8	808.8	174.2	-0.3	3.6	0.22	809.0	673.0	591.0	512.0	407.0	327.0	49.4	323.0	103.8		
Aquixtla	664.4	666.2	134.3	-0.2	3.9	0.20	675.0	562.0	487.0	413.0	316.0	241.0	20.9	346.1	37.8		
Atlixpan	1228.1	1212.4	250.8	-0.1	3.4	0.20	1209.0	1016.0	912.0	803.0	641.0	506.0	34.9	587.3	66.1		
Atlixcal	488.0	499.1	158.9	-0.1	3.1	0.33	483.0	368.0	297.0	229.0	143.0	79.0	23.3	150.1	46.4		
Atlixco	776.9	788.5	172.0	-0.3	6.3	0.22	786.0	662.0	575.0	484.0	344.0	218.0	69.4	185.3	117.6		
Atoyacatpan	588.8	551.9	209.3	1.9	10.7	0.36	581.0	422.0	310.0	191.0	0.0	0.0	7.3	234.5	15.7		
Atzacala	775.9	786.9	151.2	0.2	3.9	0.19	763.0	660.0	581.0	489.0	350.0	237.0	25.2	379.6	41.5		
Atzilzihuacán	776.9	788.5	172.0	-0.3	6.3	0.22	786.0	662.0	575.0	484.0	344.0	218.0	69.4	185.3	117.6		
Atzilzilflla	709.5	715.8	179.2	0.2	3.4	0.25	703.0	571.0	482.0	392.0	257.0	166.0	12.2	387.5	20.7		
Axutla	938.3	845.0	332.4	1.3	5.3	0.35	855.0	694.0	579.0	438.0	159.0	0.0	9.6	420.5	21.6		
Ayoloxco de Guerrero	2112.0	2100.3	384.9	0.5	5.3	0.18	2096.0	1837.0	1671.0	1512.0	1306.0	1151.0	34.8	1193.0	83.0		
Calpan	799.8	818.5	195.0	-0.7	4.3	0.24	827.0	698.0	595.0	477.0	306.0	171.0	33.4	291.9	53.7		
Caltepec	475.5	476.2	149.9	0.0	3.8	0.32	471.0	359.0	282.0	201.0	85.0	0.0	17.4	150.1	30.2		
Camocuaullia	1629.6	1658.6	452.0	-1.0	4.5	0.28	1717.0	1384.0	1096.0	790.0	385.0	81.0	26.2	481.8	40.1		
Caxhuacan	2406.9	2455.1	396.9	-0.9	4.4	0.16	2469.0	2121.0	1892.0	1673.0	1390.0	1177.0	22.9	1475.5	37.8		
Coatepec	2788.3	2804.9	559.0	-0.3	3.0	0.20	2835.0	2359.0	2055.0	1766.0	1392.0	1113.0	19.8	1561.0	33.0		
Coatzacoahuaco	2083.4	2011.3	675.9	0.3	2.9	0.32	1948.0	1522.0	1277.0	1049.0	746.0	538.0	7.9	1155.1	14.4		
Cohetzala	777.9	794.4	158.2	-0.4	4.5	0.20	793.0	670.0	580.0	480.0	327.0	196.0	25.0	367.4	39.7		

Tabla C.157. Características estadísticas de la lluvia anual de cada municipio del estado de Puebla.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)		
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	lluvia mínima	Tr(años)
	X _p (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decll	H _p mín(mm)	H _p mín
Cohuecan	776.9	788.5	172.0	-0.3	6.3	0.22	786.0	662.0	575.0	484.0	344.0	218.0	69.4	185.3	117.6
Coronango	841.6	833.7	163.3	-0.1	3.4	0.19	844.0	715.0	626.0	535.0	406.0	303.0	14.1	510.6	23.9
Coxcatlán	357.5	343.5	109.4	0.3	2.6	0.31	338.0	269.0	232.0	196.0	150.0	116.0	10.7	189.1	23.0
Coyomeapan	1248.2	1157.8	461.6	0.7	3.3	0.37	1113.0	828.0	667.0	497.0	230.0	0.0	5.4	627.4	11.8
Coyotepec	2083.4	2011.3	675.9	0.3	2.9	0.32	1948.0	1522.0	1277.0	1049.0	756.0	538.0	7.9	1155.1	14.4
Cuapiaxtla de Madero	604.6	577.3	176.3	1.3	7.2	0.29	608.0	462.0	363.0	266.0	131.0	21.0	7.2	313.3	14.3
Cuatemanpan	1396.7	1338.1	354.0	2.0	10.6	0.25	1350.0	1155.0	989.0	742.0	262.0	0.0	7.2	876.8	14.3
Cuatitlán	721.3	719.6	154.6	0.3	3.5	0.21	708.0	588.0	506.0	420.0	296.0	195.0	15.7	375.8	28.0
Cuatitlancingo	841.6	833.7	163.3	-0.1	3.4	0.19	844.0	715.0	626.0	535.0	406.0	303.0	14.1	510.6	23.9
Cuayuca de Andrade	663.7	611.8	249.9	2.9	15.9	0.38	618.0	494.0	400.0	282.0	0.0	0.0	8.7	255.8	22.5
Cuetzalan del Progreso	2112.0	2100.3	384.9	0.5	5.3	0.18	2096.0	1837.0	1671.0	1512.0	1306.0	1151.0	34.8	1193.0	83.0
Cuyoaco	465.1	438.4	175.7	2.1	11.3	0.38	441.0	378.0	195.0	0.0	0.0	0.0	7.3	204.4	9.7
Chalchicomula de Sesma	687.7	655.5	218.0	1.0	4.9	0.32	646.0	530.0	453.0	372.0	247.0	130.0	12.7	319.0	30.3
Chapulco	417.0	417.9	137.2	0.4	3.8	0.33	421.0	305.0	230.0	157.0	81.0	0.0	10.9	154.7	20.5
Chiautla	802.0	799.3	286.2	0.4	4.5	0.36	788.0	582.0	441.0	293.0	76.0	0.0	11.8	265.4	22.7
Chiautzingo	799.8	818.5	195.0	-0.7	4.3	0.24	827.0	698.0	595.0	477.0	306.0	171.0	33.4	291.9	53.7
Chiconcuautla	2164.0	2222.5	536.7	-0.5	3.5	0.25	2202.0	1706.0	1417.0	1148.0	802.0	545.0	13.5	1135.2	20.7
Chichiquila	1651.4	1627.8	447.7	0.9	5.1	0.27	1625.0	1305.0	1078.0	836.0	456.0	97.0	10.8	855.1	19.0
Chiella	800.6	793.5	177.7	0.2	3.1	0.22	788.0	680.0	585.0	466.0	293.0	161.0	16.6	422.5	25.3
Chigmecatitlán	2083.4	2011.3	675.9	0.3	2.9	0.32	1948.0	1522.0	1277.0	1049.0	756.0	538.0	7.9	1155.1	14.4
Chignahuapan	679.7	685.3	125.2	0.1	3.8	0.18	690.0	598.0	537.0	478.0	398.0	336.0	20.2	422.0	38.1
Chignautla	1336.7	1392.4	308.4	-0.8	5.2	0.23	1370.0	1139.0	985.0	833.0	600.0	473.0	26.2	652.3	45.3
Chila	774.0	765.6	206.8	2.2	13.8	0.27	780.0	615.0	505.0	398.0	257.0	145.0	6.1	442.7	15.0
Chila de la Sal	938.3	845.0	332.4	1.3	5.3	0.35	855.0	694.0	579.0	438.0	189.0	0.0	9.6	420.5	21.6
Honey	1915.7	1801.8	488.9	0.0	3.5	0.26	1800.0	1503.0	1332.0	1171.0	946.0	813.0	15.9	1070.7	31.2
Chichotla	1273.1	1222.7	348.4	0.0	3.3	0.27	1222.0	999.0	881.0	771.0	626.0	514.0	44.0	497.3	110.5
Chinantla	774.0	765.6	206.8	2.2	13.8	0.27	780.0	615.0	505.0	398.0	257.0	145.0	6.1	442.7	15.0
Domingo Arenas	799.8	818.5	195.0	-0.7	4.3	0.24	827.0	698.0	595.0	477.0	306.0	171.0	33.4	291.9	53.7
Eloxochitlán	1850.9	1745.4	410.9	0.6	4.4	0.22	1736.0	1539.0	1408.0	1257.0	994.0	743.0	36.7	882.0	68.9
Epatlán	759.1	774.0	190.5	0.2	5.4	0.25	758.0	628.0	544.0	462.0	345.0	274.0	82.9	185.3	208.1
Esperanza	709.5	715.8	179.2	0.2	3.4	0.25	703.0	571.0	482.0	392.0	267.0	166.0	12.2	387.5	20.7
Francisco Z. Mena	1874.5	1708.9	480.5	0.4	2.5	0.26	1681.0	1466.0	1354.0	1251.0	1118.0	1019.0	10.7	1187.0	31.0

Tabla C.157. Características estadísticas de la lluvia anual de cada municipio del estado de Puebla.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Dev Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	$X_p(\text{mm})$	(mm)	S(mm)	g	k	Cv	$H_p(\text{mm})$	$H_p(\text{mm})$	$H_p(\text{mm})$	$H_p(\text{mm})$	$H_p(\text{mm})$	$H_p(\text{mm})$	decil	$H_p \text{ mín}(\text{mm})$	$H_p \text{ mín}$
General Felipe Angeles	646.9	620.1	224.4	3.1	18.8	0.35	637.0	505.0	417.0	330.0	209.0	107.0	8.9	282.6	28.9
Guadalupe	774.0	765.6	206.8	2.2	13.8	0.27	780.0	615.0	505.0	398.0	257.0	145.0	6.1	442.7	15.0
Guadalupe Victoria	437.2	414.5	119.1	0.2	4.0	0.27	416.0	360.0	324.0	283.0	214.0	151.0	37.5	192.6	64.0
Hermenegildo Galeana	3070.7	2979.5	709.2	0.1	3.5	0.23	3107.0	2524.0	2148.0	1791.0	1330.0	984.0	17.5	1561.0	31.5
Huaquechula	776.9	788.5	172.0	-0.3	6.3	0.22	786.0	662.0	575.0	484.0	344.0	218.0	69.4	185.3	117.6
Huautla	2083.4	2011.3	675.9	0.3	2.9	0.32	1948.0	1522.0	1277.0	1049.0	756.0	538.0	7.9	1155.1	14.4
Huachuapilla	1934.4	1966.0	434.1	-0.2	3.1	0.22	1967.0	1666.0	1476.0	1297.0	1066.0	893.0	33.9	991.7	67.3
Huehuetla	3788.8	3769.9	977.5	0.1	3.1	0.26	3771.0	3025.0	2556.0	2108.0	1528.0	1089.0	23.8	1561.0	47.4
Huehuetlán en Chico	802.0	799.3	286.2	0.4	4.5	0.36	788.0	582.0	441.0	293.0	76.0	0.0	11.8	265.4	22.7
Huejotzingo	799.8	818.5	195.0	-0.7	4.3	0.24	827.0	698.0	595.0	477.0	306.0	171.0	33.4	291.9	53.7
Hueyapan	3328.0	3528.8	820.2	-2.8	14.4	0.25	3528.0	3060.0	2635.0	1930.0	105.0	0.0	38.7	542.5	48.8
Hueytamalco	2579.4	2416.6	657.1	1.2	5.4	0.25	2375.0	2053.0	1814.0	1494.0	833.0	359.0	11.9	1418.3	22.8
Huiztlalpan	2406.9	2455.1	396.9	-0.9	4.4	0.16	2469.0	2121.0	1892.0	1673.0	1390.0	1177.0	22.9	1475.5	37.8
Huitzilán de Serdán	2031.8	2021.0	401.1	-0.1	2.6	0.20	2026.0	1673.0	1493.0	1323.0	1102.0	932.0	15.3	1225.7	30.0
Huitziltepec	2083.4	2011.3	675.9	0.3	2.9	0.32	1948.0	1522.0	1277.0	1049.0	756.0	538.0	7.9	1155.1	14.4
Atlix	2406.9	2455.1	396.9	-0.9	4.4	0.16	2469.0	2121.0	1892.0	1673.0	1390.0	1177.0	22.9	1475.5	37.8
Ixcamilpa de Guerrero	777.9	794.4	158.2	-0.4	4.5	0.20	793.0	670.0	580.0	480.0	327.0	196.0	25.0	367.4	39.7
Ixcaquixtla	2083.4	2011.3	675.9	0.3	2.9	0.32	1948.0	1522.0	1277.0	1049.0	756.0	538.0	7.9	1155.1	14.4
Ixtacamaxitlán	742.7	742.7	173.3	0.0	3.9	0.23	752.0	653.0	505.0	359.0	172.0	33.0	13.8	358.8	20.0
Ixtépec	2406.9	2455.1	396.9	-0.9	4.4	0.16	2469.0	2121.0	1892.0	1673.0	1390.0	1177.0	22.9	1475.5	37.8
Izúcar de Matamoros	807.1	793.5	167.5	0.4	3.8	0.21	803.0	672.0	587.0	505.0	397.0	316.0	19.8	422.5	40.4
Jalpan	1874.5	1708.9	480.5	0.4	2.5	0.26	1681.0	1466.0	1354.0	1251.0	1118.0	1019.0	10.7	1187.0	31.0
Jolalpan	802.0	799.3	286.2	0.4	4.5	0.36	786.0	582.0	441.0	293.0	76.0	0.0	11.8	265.4	22.7
Jonotla	2015.5	1975.3	367.6	-0.6	4.1	0.18	2011.0	1739.0	1583.0	1437.0	1250.0	1111.0	74.0	1020.7	157.3
Jopala	3070.7	2979.5	709.2	0.1	3.5	0.23	3107.0	2524.0	2148.0	1791.0	1330.0	984.0	17.5	1561.0	31.5
Juan C. Bonilla	841.6	833.7	163.3	-0.1	3.4	0.19	844.0	715.0	626.0	535.0	446.0	303.0	14.1	510.6	23.9
Juan Galindo	2132.1	2182.6	550.2	-0.2	3.1	0.26	2147.0	1632.0	1425.0	1239.0	1003.0	829.0	9.6	1275.7	17.4
Juan N. Méndez	2083.4	2011.3	675.9	0.3	2.9	0.32	1948.0	1522.0	1277.0	1049.0	756.0	538.0	7.9	1155.1	14.4
Lafra	437.2	414.5	119.1	0.2	4.0	0.27	416.0	360.0	324.0	283.0	214.0	151.0	37.5	192.6	64.0
Libres	453.3	453.0	136.9	0.8	4.6	0.30	352.5	231.5	151.3	74.5	0.0	0.0	2.4	283.5	3.3
Magdalena Tlaltlauquitepec, La	2083.4	2011.3	675.9	0.3	2.9	0.32	1948.0	1522.0	1277.0	1049.0	756.0	538.0	7.9	1155.1	14.4
Mazapiltepec de Juárez	648.3	644.5	175.8	-0.4	4.5	0.27	652.0	530.0	452.0	378.0	283.0	211.0	42.0	222.7	89.7

Tabla C.157. Características estadísticas de la lluvia anual de cada municipio del estado de Puebla. SIDET

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)				Tr(años)		lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X ₂ (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p min(mm)	H _p min
Mixtla	688.0	682.8	160.7	0.3	4.6	0.23	697.0	554.0	455.0	354.0	208.0	82.0	15.3	308.4	26.9
Molcaxac	2083.4	2011.3	675.9	0.3	2.9	0.32	1948.0	1522.0	1277.0	1049.0	756.0	538.0	7.9	1155.1	14.4
Cañada Morelos	452.4	455.5	149.0	0.3	3.4	0.33	438.0	314.0	240.0	154.0	24.0	0.0	10.9	163.2	18.7
Naupan	1915.7	1801.8	488.9	0.0	3.5	0.26	1800.0	1503.0	1332.0	1171.0	966.0	813.0	15.9	1070.7	31.2
Nauzonlía	2031.8	2021.0	401.1	-0.1	2.6	0.20	2026.0	1673.0	1493.0	1323.0	1102.0	932.0	15.3	1225.7	30.0
Nealtican	799.8	818.5	195.0	-0.7	4.3	0.24	827.0	698.0	595.0	477.0	306.0	171.0	33.4	291.9	53.7
Nicolás Bravo	544.5	527.5	136.3	0.5	3.0	0.25	519.0	426.0	371.0	316.0	238.0	172.0	10.5	312.6	20.8
Nopalucan	732.0	722.0	177.0	0.4	3.2	0.24	709.0	588.0	513.0	439.0	336.0	252.0	16.9	375.8	35.3
Ocoatepec	465.1	438.4	175.7	2.1	11.3	0.38	441.0	378.0	318.0	195.0	0.0	0.0	7.3	204.4	9.7
Ocoyucan	867.6	861.6	159.6	-0.2	4.0	0.18	869.0	782.0	696.0	584.0	427.0	309.0	26.8	455.2	42.4
Olinta	3788.8	3769.9	977.5	0.1	3.1	0.26	3771.0	3025.0	2556.0	2108.0	1528.0	1089.0	23.8	1561.0	47.4
Oriental	1558.4	1567.6	275.1	0.4	4.0	0.18	1566.0	1282.0	1186.0	1032.0	793.0	611.0	10.3	1070.6	17.2
Pahuatlán	1915.7	1801.8	488.9	0.0	3.5	0.26	1800.0	1503.0	1332.0	1171.0	966.0	813.0	15.9	1070.7	31.2
Palmar de Bravo	402.0	401.4	111.9	0.2	4.0	0.28	399.0	324.0	278.0	233.0	176.0	134.0	16.4	202.6	32.8
Pantepec	1874.5	1708.9	480.5	0.4	2.5	0.26	1681.0	1466.0	1354.0	1251.0	1118.0	1019.0	10.7	1187.0	31.0
Pettalcingo	774.0	765.6	206.8	2.2	13.8	0.27	780.0	615.0	505.0	398.0	257.0	145.0	6.1	442.7	15.0
Pixtla	774.0	765.6	206.8	2.2	13.8	0.27	780.0	615.0	505.0	398.0	257.0	145.0	6.1	442.7	15.0
Puebla	815.9	815.9	141.9	-0.1	3.3	0.17	822.0	694.0	607.0	521.0	402.0	308.0	19.8	455.2	33.3
Quecholac	541.9	555.5	98.8	-0.5	3.1	0.18	553.0	462.0	409.0	360.0	298.0	251.0	17.1	335.3	28.7
Quimixtlán	1651.4	1627.8	447.7	0.9	5.1	0.27	1625.0	1305.0	1078.0	836.0	456.0	97.0	10.8	855.1	19.0
Rafael Lara Grajales	732.0	722.0	177.0	0.4	3.2	0.24	709.0	588.0	513.0	439.0	336.0	252.0	16.9	375.8	35.3
Reyes de Juárez, Los	683.9	695.5	192.9	0.7	6.1	0.28	682.0	538.0	441.0	343.0	209.0	101.0	14.6	282.6	30.5
San Andrés Cholula	874.2	892.3	175.0	-0.2	3.0	0.20	883.0	734.0	640.0	550.0	435.0	348.0	22.8	455.2	42.5
San Antonio Cañada	796.6	759.2	216.0	1.1	6.6	0.27	760.0	658.0	578.0	470.0	248.0	52.0	17.7	380.0	30.2
San Diego la Mesa Tochimilzingo	759.1	774.0	190.5	0.2	5.4	0.25	758.0	628.0	544.0	462.0	355.0	274.0	82.9	185.3	208.1
San Felipe Teotlalcingo	799.8	818.5	195.0	-0.7	4.3	0.24	827.0	698.0	595.0	477.0	306.0	171.0	33.4	291.9	53.7
San Felipe Tepatlán	1629.6	1658.6	452.0	-1.0	4.5	0.28	1717.0	1384.0	1096.0	790.0	385.0	81.0	26.2	481.8	40.1
San Gabriel Chilac	318.8	288.1	140.9	1.2	5.9	0.44	305.0	199.0	129.0	57.0	0.0	0.0	5.2	123.0	10.6
San Gregorio Atzompa	867.6	861.6	159.6	-0.2	4.0	0.18	869.0	782.0	696.0	584.0	427.0	309.0	26.8	455.2	42.4
San Jerónimo Tecuanipan	867.6	861.6	159.6	-0.2	4.0	0.18	869.0	782.0	696.0	584.0	427.0	309.0	26.8	455.2	42.4
San Jerónimo Xayacatlán	774.0	765.6	206.8	2.2	13.8	0.27	780.0	615.0	505.0	398.0	257.0	145.0	6.1	442.7	15.0
San José Chiapa	1558.4	1567.6	275.1	0.4	4.0	0.18	1566.0	1282.0	1186.0	1032.0	793.0	611.0	10.3	1070.6	17.2

Tabla C.157. Características estadísticas de la lluvia anual de cada municipio del estado de Puebla.

Municipio	Estadísticos de la lluvia promedio municipal							Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años) primer	lluvia mínima registrada Hp min(mm)	Tr(años) para Hp min
	Media	Mediana	Desv Stdf	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años				
	X _c (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil			
San José Miahuatlán	643.6	552.5	407.2	5.1	33.7	0.63	569.0	433.0	333.0	206.0	0.0	0.0	1.4	361.5	8.3	
San Juan Atenco	619.1	634.3	134.6	-0.4	4.4	0.22	520.1	401.1	322.3	246.8	149.0	75.7	7.7	294.1	12.9	
San Juan Atzompa	2083.4	2011.3	675.9	0.3	2.9	0.32	1948.0	1522.0	1277.0	1049.0	756.0	538.0	7.9	1155.1	14.4	
San Martín Texmelucan	799.8	818.5	195.0	-0.7	4.3	0.24	827.0	698.0	595.0	477.0	306.0	171.0	33.4	291.9	53.7	
San Martín Totoltepec	759.1	774.0	190.5	0.2	5.4	0.25	758.0	628.0	544.0	462.0	355.0	274.0	82.9	185.3	208.1	
San Matías Tlalancaleca	799.8	818.5	195.0	-0.7	4.3	0.24	827.0	698.0	595.0	477.0	306.0	171.0	33.4	291.9	53.7	
San Miguel Ixtitlán	774.0	765.6	206.8	2.2	13.8	0.27	780.0	615.0	505.0	398.0	257.0	145.0	6.1	442.7	15.0	
San Miguel Xoxtla	799.8	818.5	195.0	-0.7	4.3	0.24	827.0	698.0	595.0	477.0	306.0	171.0	33.4	291.9	53.7	
San Nicolás Buenos Aires	1558.4	1567.6	275.1	0.4	4.0	0.18	1566.0	1282.0	1186.0	1032.0	793.0	611.0	10.3	1070.6	17.2	
San Nicolás de los Ranchos	799.8	818.5	195.0	-0.7	4.3	0.24	827.0	698.0	595.0	477.0	306.0	171.0	33.4	291.9	53.7	
San Pablo Anciano	774.0	765.6	206.8	2.2	13.8	0.27	780.0	615.0	505.0	398.0	257.0	145.0	6.1	442.7	15.0	
San Pedro Cholula	841.6	833.7	163.3	-0.1	3.4	0.19	844.0	715.0	626.0	535.0	406.0	303.0	14.1	510.6	23.9	
San Pedro Yeloixtahuaca	774.0	765.6	206.8	2.2	13.8	0.27	780.0	615.0	505.0	398.0	257.0	145.0	6.1	442.7	15.0	
San Salvador el Seco	619.1	634.3	134.6	-0.4	4.4	0.22	520.1	401.1	322.3	246.8	149.0	75.7	7.7	294.1	12.9	
San Salvador el Verde	799.8	818.5	195.0	-0.7	4.3	0.24	827.0	698.0	595.0	477.0	306.0	171.0	33.4	291.9	53.7	
San Salvador Huixcolotla	604.6	577.3	176.3	1.3	7.2	0.29	608.0	462.0	363.0	266.0	131.0	21.0	7.2	313.3	14.3	
San Sebastián Tlacoatepec	1850.9	1745.4	410.9	0.6	4.4	0.22	1736.0	1539.0	1408.0	1257.0	944.0	743.0	36.7	882.0	68.9	
Santa Catarina Tlaltenpan	2083.4	2011.3	675.9	0.3	2.9	0.32	1948.0	1522.0	1277.0	1049.0	756.0	538.0	7.9	1155.1	14.4	
Santa Inés Ahuatempan	615.6	611.8	170.6	0.2	4.8	0.28	614.0	506.0	374.0	223.0	26.0	0.0	14.5	207.5	21.5	
Santa Isabel Cholula	867.6	861.6	159.6	-0.2	4.0	0.18	869.0	782.0	696.0	584.0	427.0	309.0	26.8	455.2	42.4	
Santiago Miahuatlán	395.7	392.0	138.5	0.0	2.7	0.35	381.0	284.0	229.0	177.0	111.0	62.0	18.8	131.0	37.9	
Huehuetlán el Grande	792.0	782.5	160.2	0.5	3.6	0.20	771.0	647.0	560.0	468.0	333.0	222.0	8.1	514.4	14.2	
Santo Tomás Hueyotlipán	688.0	682.8	160.7	0.3	4.6	0.23	697.0	554.0	455.0	354.0	208.0	82.0	15.3	308.4	26.9	
Sohtepec	648.3	644.5	175.8	-0.4	4.5	0.27	652.0	530.0	452.0	378.0	288.0	211.0	42.0	222.7	89.7	
Tecali de Herrera	688.0	682.8	160.7	0.3	4.6	0.23	697.0	554.0	455.0	354.0	208.0	82.0	15.3	308.4	26.9	
Tecamachalco	553.1	544.7	194.4	1.9	10.8	0.35	555.0	388.0	273.0	157.0	0.0	0.0	7.0	210.7	14.6	
Tecamatlán	774.0	765.6	206.8	2.2	13.8	0.27	780.0	615.0	505.0	398.0	257.0	145.0	6.1	442.7	15.0	
Tehuacán	395.7	392.0	138.5	0.0	2.7	0.35	381.0	284.0	229.0	177.0	111.0	62.0	18.8	131.0	37.9	
Tehuiztzingo	856.1	816.1	209.6	0.9	4.0	0.24	806.0	678.0	592.0	497.0	344.0	206.0	10.8	483.3	22.0	
Tenampulco	1993.7	1938.1	441.8	0.5	4.5	0.22	1967.0	1640.0	1420.0	1199.0	891.0	637.0	15.7	1070.7	29.5	
Teopantlán	2083.4	2011.3	675.9	0.3	2.9	0.32	1948.0	1522.0	1277.0	1049.0	756.0	538.0	7.9	1155.1	14.4	
Teotlalco	802.0	799.3	286.2	0.4	4.5	0.36	788.0	582.0	441.0	293.0	76.0	0.0	11.8	265.4	22.7	

Tabla C.157. Características estadísticas de la lluvia anual de cada municipio del estado de Puebla. sdsT

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes períodos de retorno (Tr)				Tr(años) primer	Lluvia mínima registrada	Tr(años) para		
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años				50 años	100 años
	X _g (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)				H _p (mm)	H _p (mm)
Tepanco de López	395.7	392.0	138.5	0.0	2.7	0.35	381.0	284.0	229.0	177.0	111.0	62.0	18.8	131.0	37.9
Tepango de Rodríguez	1629.6	1658.6	452.0	-1.0	4.5	0.28	1717.0	1384.0	1096.0	790.0	385.0	81.0	26.2	481.8	40.1
Tepatlatxco de Hidalgo	732.0	722.0	177.0	0.4	3.2	0.24	709.0	588.0	513.0	439.0	336.0	252.0	16.9	375.8	35.3
Tepeaca	683.9	695.5	192.9	0.7	6.1	0.28	682.0	538.0	441.0	343.0	209.0	101.0	14.6	282.6	30.5
Temamaxalco	759.1	774.0	190.5	0.2	5.4	0.25	758.0	628.0	544.0	462.0	355.0	274.0	82.9	185.3	208.1
Tepeojuma	759.1	774.0	190.5	0.2	5.4	0.25	758.0	628.0	544.0	462.0	355.0	274.0	82.9	185.3	208.1
Tepetzintla	954.6	990.1	266.4	-0.7	4.5	0.28	980.0	734.0	596.0	470.0	309.0	191.0	63.8	140.9	133.8
Texeco	756.9	759.4	129.9	-0.4	3.9	0.17	755.0	663.0	607.0	553.0	485.0	434.0	87.8	379.6	210.8
Tepexi de Rodríguez	2083.4	2011.3	675.9	0.3	2.9	0.32	1948.0	1522.0	1277.0	1049.0	756.0	538.0	7.9	1155.1	14.4
Tepayahualco	554.7	536.0	164.4	0.5	4.7	0.30	543.0	465.0	308.0	158.0	0.0	0.0	10.4	213.5	15.4
Tepayahualco de Cuauhtémoc	507.9	479.2	186.3	1.9	10.2	0.37	474.0	366.0	286.0	188.0	0.0	0.0	8.4	195.3	19.1
Tetela de Ocampo	811.9	803.7	197.1	0.9	4.4	0.24	739.0	626.0	554.0	436.0	241.0	91.0	8.1	488.6	15.2
Teles de Avila Castillo	3328.0	3528.8	820.2	-2.8	14.4	0.25	3528.0	3060.0	2635.0	1930.0	505.0	0.0	38.7	542.5	48.8
Teziutlán	2013.9	1917.2	368.1	0.0	2.8	0.18	1977.0	1782.0	1577.0	1331.0	1013.0	775.0	15.7	1268.0	23.9
Tianguismanalco	867.6	861.6	159.6	-0.2	4.0	0.18	869.0	782.0	696.0	584.0	427.0	309.0	26.8	455.2	42.4
Tilapa	756.9	759.4	129.9	-0.4	3.9	0.17	755.0	663.0	607.0	553.0	485.0	434.0	87.8	379.6	210.8
Tlacoatepec de Benito Juárez	486.7	458.0	151.2	0.3	3.2	0.31	460.0	367.0	312.0	256.0	172.0	98.0	24.7	171.4	50.1
Tlacuilotepec	1874.5	1708.9	480.5	0.4	2.5	0.26	1681.0	1466.0	1354.0	1251.0	1118.0	1019.0	10.7	1187.0	31.0
Tlachichuca	683.7	662.5	153.4	0.2	3.1	0.22	661.0	584.0	514.0	417.0	277.0	171.0	17.6	371.5	27.0
Tlahuapan	799.8	818.5	195.0	-0.7	4.3	0.24	827.0	698.0	595.0	477.0	306.0	171.0	33.4	291.9	53.7
Tlaltenango	799.8	818.5	195.0	-0.7	4.3	0.24	827.0	698.0	595.0	477.0	306.0	171.0	33.4	291.9	53.7
Tlanepantla	688.0	682.8	160.7	0.3	4.6	0.23	697.0	554.0	455.0	354.0	208.0	82.0	15.3	308.4	26.9
Tlaola	1813.4	1707.8	481.6	0.3	2.5	0.27	1681.0	1340.0	1163.0	999.0	791.0	636.0	5.3	1195.9	8.7
Tlapacoya	1940.0	1919.2	534.8	-0.1	3.1	0.28	1873.0	1497.0	1301.0	1121.0	891.0	720.0	14.5	1039.1	27.6
Tlapanalá	759.1	774.0	190.5	0.2	5.4	0.25	758.0	628.0	544.0	462.0	355.0	274.0	82.9	185.3	208.1
Tlatlauquitepec	1007.2	972.0	242.3	0.5	3.2	0.24	965.0	793.0	690.0	587.0	442.0	321.0	10.1	587.3	20.0
Tlaxco	1874.5	1708.9	480.5	0.4	2.5	0.26	1681.0	1466.0	1354.0	1251.0	1118.0	1019.0	10.7	1187.0	31.0
Tochimilco	776.9	788.5	172.0	-0.3	6.3	0.22	786.0	662.0	575.0	484.0	344.0	218.0	69.4	185.3	117.6
Tochtepec	553.1	544.7	194.4	1.9	10.8	0.35	555.0	388.0	273.0	157.0	0.0	0.0	7.0	210.7	14.6
Totoltepec de Guerrero	615.6	611.8	170.6	0.2	4.8	0.28	614.0	506.0	374.0	223.0	26.0	0.0	14.5	207.5	21.5
Tulcingo	774.0	765.6	206.8	2.2	13.8	0.27	780.0	615.0	505.0	398.0	257.0	145.0	6.1	442.7	15.0
Tuzamapan de Galeana	1797.4	1924.2	591.6	-0.1	3.0	0.33	1804.0	1236.0	1055.0	892.0	683.0	524.0	10.6	848.4	24.2

Tabla C.157. Características estadísticas de la lluvia anual de cada municipio del estado de Puebla.

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Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)		Lluvia mínima	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para	
	X _a (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _{p min} (mm)	H _{p min}	
Tzicatlacoyan	617.1	580.6	210.1	1.7	8.8	0.34	602.0	468.0	379.0	291.0	167.0	64.0	11.8	234.5	30.7	
Venustiano Carranza	1874.5	1708.9	480.5	0.4	2.5	0.26	1681.0	1466.0	1354.0	1251.0	1118.0	1019.0	10.7	1187.0	31.0	
Vicente Guerrero	872.2	889.1	180.2	-0.3	2.5	0.21	895.0	700.0	611.0	531.0	431.0	357.0	9.2	557.9	15.8	
Xayacatlán de Bravo	615.6	611.8	170.6	0.2	4.8	0.28	614.0	506.0	374.0	223.0	26.0	0.0	14.5	207.5	21.5	
Xicotepec	1828.3	1829.9	525.4	0.1	3.9	0.29	1873.0	1303.0	1122.0	944.0	677.0	442.0	7.5	1020.1	15.0	
Xicotlán	863.0	822.5	217.5	0.4	3.1	0.25	816.0	674.0	588.0	496.0	356.0	234.0	18.9	396.1	39.2	
Xiutepec	1336.7	1392.4	308.4	-0.8	5.2	0.23	1370.0	1139.0	985.0	833.0	630.0	473.0	26.2	652.3	45.3	
Xochiapulco	1374.3	1298.3	410.1	1.0	4.3	0.30	1323.0	1057.0	879.0	699.0	440.0	220.0	7.3	793.5	13.9	
Chochiltpec	759.1	774.0	190.5	0.2	5.4	0.25	758.0	628.0	544.0	462.0	355.0	274.0	82.9	185.3	208.1	
Xochitlán de Vicente Suárez	2031.8	2021.0	401.1	-0.1	2.6	0.20	2026.0	1673.0	1493.0	1323.0	1102.0	932.0	15.3	1225.7	30.0	
Xochitlán Todos Santos	507.9	479.2	186.3	1.9	10.2	0.37	474.0	366.0	286.0	188.0	0.0	0.0	8.4	195.3	19.1	
Yaonáhuac	3328.0	3528.8	820.2	-2.8	14.4	0.25	3528.0	3060.0	2635.0	1930.0	505.0	0.0	38.7	542.5	48.8	
Yehualtepec	507.9	479.2	186.3	1.9	10.2	0.37	474.0	366.0	286.0	188.0	0.0	0.0	8.4	195.3	19.1	
Zacapala	2083.4	2011.3	675.9	0.3	2.9	0.32	1948.0	1522.0	1277.0	1049.0	756.0	538.0	7.9	1155.1	14.4	
Zacapoxtla	2749.6	2769.9	438.0	0.3	3.4	0.16	2726.0	2375.0	2134.0	1886.0	1535.0	1253.0	8.5	2006.8	14.3	
Zacatlán	977.1	990.1	292.0	-0.6	4.1	0.30	992.0	751.0	610.0	478.0	310.0	185.0	60.9	140.9	128.0	
Zapotitlán	395.9	396.0	99.8	-0.1	3.2	0.25	396.0	310.0	266.0	225.0	171.0	130.0	10.6	226.4	19.5	
Zapotitlán de Méndez	2406.9	2455.1	396.9	-0.9	4.4	0.16	2469.0	2121.0	1892.0	1673.0	1390.0	1177.0	22.9	1475.5	37.8	
Zaragoza	1799.3	1697.2	506.2	1.8	7.2	0.28	1711.0	1425.0	1219.0	987.0	563.0	68.0	4.9	1217.8	10.0	
Zautla	654.8	595.0	424.4	4.5	28.0	0.65	601.0	450.0	345.0	238.0	68.0	0.0	3.1	263.5	17.1	
Zihuateutla	1828.3	1829.9	525.4	0.1	3.9	0.29	1873.0	1303.0	1122.0	944.0	677.0	442.0	7.5	1020.1	15.0	
Zinacatepec	357.5	343.5	109.4	0.3	2.6	0.31	338.0	269.0	232.0	196.0	150.0	116.0	10.7	189.1	23.0	
Zongozotla	1907.5	1934.7	495.8	-0.4	4.1	0.26	1542.6	1104.3	814.0	535.6	175.3	0.0	8.6	659.5	14.7	
Zoquiapan	2015.5	1975.3	367.6	-0.6	4.1	0.18	2011.0	1739.0	1583.0	1437.0	1250.0	1111.0	74.0	1020.7	157.3	
Zoquitlán	1850.9	1745.4	410.9	0.6	4.4	0.22	1736.0	1539.0	1408.0	1257.0	994.0	743.0	36.7	882.0	68.9	
Estatad	1169.3	1072.2	411.7	1.5	5.3	0.35	1074.0	886.0	764.0	644.0	477.0	335.0	15.0	483.3	48.3	

Tabla C.157. Características estadísticas de la lluvia anual de cada municipio del estado de Puebla.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Acajete	456.8	537.9	618.9	699.9	780.9	862.0	943.0	1024.0	1105.1	1186.1	4.2	6.3	21.2	12.7	23.4	4.2	19.1	2.1	4.2	2.1
Acateno	3309.1	3578.7	3848.3	4117.9	4387.5	4657.1	4926.7	5196.3	5465.9	5735.5	8.3	25.0	25.0	8.3	0.0	16.6	8.3	0.0	0.0	8.3
Acatlán	583.8	724.9	866.0	1007.1	1148.2	1289.3	1430.4	1571.5	1712.6	1853.7	12.3	29.2	29.2	23.0	4.6	0.0	0.0	0.0	0.0	1.5
Acatzingo	410.1	506.9	603.7	700.5	797.3	894.0	990.8	1087.6	1184.4	1281.2	11.3	20.4	22.7	22.7	11.3	6.8	2.2	0.0	0.0	2.2
Acteopan	286.9	388.5	490.1	591.7	693.3	794.9	896.5	998.1	1099.7	1201.3	2.1	0.0	2.1	2.1	21.7	23.9	30.4	10.8	2.1	4.3
Ahuacatlán	670.8	859.7	1048.7	1237.7	1426.7	1615.6	1804.6	1993.6	2182.5	2371.5	6.8	3.4	0.0	6.8	3.4	10.3	31.0	24.1	6.8	6.8
Ahuatlán	295.7	406.1	516.6	627.0	737.4	847.8	958.2	1068.7	1179.1	1289.5	2.1	0.0	2.1	17.3	21.7	32.6	15.2	0.0	4.3	4.3
Ahuazotepec	233.2	270.5	307.9	345.2	382.5	419.8	457.1	494.5	531.8	569.1	5.2	0.0	5.2	0.0	5.2	21.0	15.7	21.0	15.7	10.5
Ahuehuetlilla	583.8	724.9	866.0	1007.1	1148.2	1289.3	1430.4	1571.5	1712.6	1853.7	12.3	29.2	29.2	23.0	4.6	0.0	0.0	0.0	0.0	1.5
Ajalpan	1092.2	1302.5	1512.7	1722.9	1933.2	2143.4	2353.6	2563.8	2774.1	2984.3	2.8	0.0	8.5	37.1	17.1	14.2	8.5	5.7	2.8	2.8
Albino Zertuche	504.1	612.0	720.0	827.9	935.9	1043.9	1151.8	1259.8	1367.7	1475.7	3.0	7.6	18.4	21.5	13.8	9.2	18.4	3.0	3.0	1.5
Alfojuca	360.9	407.6	464.4	521.2	577.9	634.7	691.5	748.3	805.0	861.8	4.3	4.3	8.6	0.0	13.0	21.7	26.0	8.6	4.3	8.6
Altapexi	194.5	266.1	337.6	409.2	480.7	552.2	623.8	695.3	766.9	838.4	16.6	22.9	22.9	12.5	10.4	10.4	2.0	0.0	0.0	2.0
Amixtlán	670.8	859.7	1048.7	1237.7	1426.7	1615.6	1804.6	1993.6	2182.5	2371.5	6.8	3.4	0.0	6.8	3.4	10.3	31.0	24.1	6.8	6.8
Amozoc	408.6	494.2	579.7	665.3	750.9	836.5	922.1	1007.6	1093.2	1178.8	2.1	2.1	4.2	10.6	19.1	12.7	23.4	14.8	6.3	4.2
Aquixtla	408.7	471.3	534.0	596.6	659.2	721.8	784.4	847.1	909.7	972.3	3.3	3.3	13.3	6.6	16.6	20.0	10.0	3.3	3.3	3.3
Atempan	706.4	825.5	944.6	1063.7	1182.8	1301.9	1421.0	1540.1	1659.2	1778.3	2.7	0.0	5.4	16.2	18.9	16.2	16.2	16.2	5.4	2.7
Atexcal	215.0	279.8	344.7	409.6	474.5	539.3	604.2	669.1	733.9	798.8	8.3	2.7	2.7	19.4	11.1	19.4	13.8	5.5	11.1	5.5
Atlixco	286.9	388.5	490.1	591.7	693.3	794.9	896.5	998.1	1099.7	1201.3	2.1	0.0	2.1	2.1	21.7	23.9	30.4	10.8	2.1	4.3
Atoyaltepan	361.8	489.1	616.4	743.7	871.0	998.3	1125.6	1252.9	1380.2	1507.5	8.5	17.0	38.2	19.1	12.7	0.0	2.1	0.0	0.0	2.1
Atzacala	456.2	532.9	609.5	686.2	762.8	839.4	916.1	992.7	1069.4	1146.0	2.1	2.1	6.3	19.1	14.8	27.6	10.6	8.5	4.2	4.2
Atzizihuacán	286.9	388.5	490.1	591.7	693.3	794.9	896.5	998.1	1099.7	1201.3	2.1	0.0	2.1	2.1	21.7	23.9	30.4	10.8	2.1	4.3
Atzacintla	456.6	525.7	594.8	663.9	733.1	802.2	871.3	940.4	1009.5	1078.6	8.6	13.0	4.3	17.3	8.6	21.7	8.6	4.3	8.6	4.3
Axutla	586.7	752.9	919.1	1085.3	1251.5	1417.7	1583.9	1750.1	1916.3	2082.5	9.8	19.6	31.1	14.7	9.8	4.9	4.9	0.0	3.2	1.6
Ayotlaxco de Guerrero	1387.0	1580.9	1774.9	1968.9	2162.9	2356.8	2550.8	2744.8	2938.7	3132.7	3.8	0.0	3.8	34.6	19.2	19.2	7.6	3.8	3.8	3.8
Calpan	382.3	472.7	563.1	653.5	743.9	834.4	924.8	1015.2	1105.6	1196.0	4.6	2.3	4.6	9.3	9.3	27.9	20.9	6.9	9.3	4.6
Callepec	217.3	284.5	351.7	418.9	486.2	553.4	620.6	687.8	755.0	822.2	8.3	0.0	5.5	25.0	11.1	25.0	8.3	8.3	2.7	5.5
Carmacuatla	670.8	859.7	1048.7	1237.7	1426.7	1615.6	1804.6	1993.6	2182.5	2371.5	6.8	3.4	0.0	6.8	3.4	10.3	31.0	24.1	6.8	6.8
Caxhuacan	1630.6	1785.6	1940.7	2095.7	2250.8	2405.9	2560.9	2716.0	2871.0	3026.1	5.2	10.5	0.0	0.0	5.2	26.3	5.2	31.5	10.5	5.2
Coatepec	1770.5	1979.9	2189.4	2398.8	2608.3	2817.7	3027.1	3236.6	3446.0	3655.5	3.7	7.4	3.7	11.1	7.4	18.5	14.8	11.1	7.4	14.8
Coatzacoahuacán	1356.7	1558.3	1759.9	1961.5	2163.1	2364.7	2566.3	2767.9	2969.5	3171.1	8.3	16.6	16.6	8.3	8.3	8.3	0.0	8.3	16.6	8.3
Cohetzala	444.7	522.0	599.4	676.7	754.0	831.3	908.6	986.0	1063.3	1140.6	5.5	0.0	5.5	13.8	11.1	22.2	27.7	8.3	0.0	5.5

Tabla C.158. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Puebla.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Cohuecan	286.9	388.5	490.1	591.7	693.3	794.9	896.5	998.1	1099.7	1201.3	2.1	0.0	2.1	2.1	21.7	23.9	30.4	10.8	2.1	4.3
Coronango	581.4	652.1	722.9	793.6	864.4	935.2	1005.9	1076.7	1147.4	1218.2	8.5	6.3	2.1	12.7	25.5	19.1	12.7	4.2	4.2	4.2
Coxcatlán	228.2	267.2	306.3	345.4	384.5	423.5	462.6	501.7	540.7	579.8	8.3	12.5	16.6	12.5	16.6	0.0	12.5	12.5	4.1	4.1
Coyomeapan	808.7	990.0	1171.3	1352.6	1533.9	1715.2	1896.5	2077.8	2259.1	2440.4	20.0	16.6	18.3	10.0	13.3	6.6	10.0	6.6	0.0	3.3
Coyotepec	1356.7	1558.3	1759.9	1961.5	2163.1	2364.7	2566.3	2767.9	2969.5	3171.1	8.3	16.6	16.6	8.3	8.3	0.0	8.3	16.6	8.3	8.3
Cuapiaxtla de Madero	410.1	506.9	603.7	700.5	797.3	894.0	990.8	1087.6	1184.4	1281.2	11.3	20.4	22.7	22.7	11.3	6.8	2.2	0.0	0.0	2.2
Cuautempan	1074.5	1272.1	1469.8	1667.4	1865.1	2062.8	2260.4	2458.1	2655.7	2853.4	8.1	32.4	24.3	18.9	10.8	2.7	0.0	0.0	0.0	2.7
Cuautlincán	450.6	525.4	600.2	675.0	749.7	824.5	899.3	974.1	1048.9	1123.7	2.1	6.5	18.0	17.3	21.7	15.2	13.0	6.5	0.0	4.3
Cuautlancingo	581.4	652.1	722.9	793.6	864.4	935.2	1005.9	1076.7	1147.4	1218.2	8.5	6.3	2.1	12.7	25.5	19.1	12.7	4.2	4.2	4.2
Cuayuca de Andrade	420.3	584.7	749.2	913.6	1078.1	1242.5	1407.0	1571.4	1735.9	1900.3	6.2	37.5	35.4	12.5	4.1	2.0	0.0	0.0	0.0	2.0
Cuetzalan del Progreso	1387.0	1580.9	1774.9	1968.9	2162.9	2356.8	2550.8	2744.8	2938.7	3132.7	3.8	0.0	3.8	34.6	19.2	19.2	7.6	3.8	3.8	3.8
Cuyoaco	290.7	377.1	463.4	549.8	636.1	722.4	808.8	895.1	981.5	1067.8	15.0	5.0	40.0	20.0	15.0	0.0	0.0	0.0	0.0	5.0
Chalchicomula de Sesma	425.6	532.2	638.8	745.4	852.0	958.6	1065.2	1171.8	1278.4	1385.0	9.0	6.8	31.8	27.2	6.8	4.5	9.0	2.2	0.0	2.2
Chapulco	221.1	287.6	354.0	420.4	486.9	553.3	619.7	686.1	752.6	819.0	8.3	12.5	8.3	20.8	20.8	16.6	6.2	4.1	0.0	2.0
Chiautla	406.6	547.7	688.9	830.0	971.2	1112.4	1253.5	1394.7	1535.8	1677.0	9.7	7.3	12.1	29.2	17.0	9.7	12.1	0.0	0.0	2.4
Chiautzingo	382.3	472.7	563.1	653.5	743.9	834.4	924.8	1015.2	1105.6	1196.0	4.6	2.3	4.6	9.3	9.3	27.9	20.9	6.9	9.3	4.6
Chiconcuautla	1298.3	1461.3	1624.4	1787.4	1950.5	2113.5	2276.6	2439.6	2602.7	2765.7	8.3	0.0	0.0	25.0	8.3	0.0	8.3	8.3	8.3	33.3
Chichiquila	1051.3	1247.5	1443.6	1639.8	1836.0	2032.2	2228.4	2424.5	2620.7	2816.9	7.6	7.6	18.3	23.0	23.0	11.5	3.8	0.0	0.0	7.6
Chietla	500.0	577.6	655.1	732.6	810.1	887.7	965.2	1042.7	1120.3	1197.8	6.3	6.3	4.7	15.8	26.9	12.6	9.5	6.3	4.7	6.3
Chigmecatitán	1356.7	1558.3	1759.9	1961.5	2163.1	2364.7	2566.3	2767.9	2969.5	3171.1	8.3	16.6	16.6	8.3	8.3	0.0	8.3	16.6	8.3	8.3
Chignahuapan	476.7	531.5	586.2	640.9	695.7	750.4	805.1	859.8	914.6	969.3	6.6	10.0	0.0	16.6	23.3	20.0	13.3	3.3	0.0	6.6
Chignautla	773.6	895.0	1016.3	1137.7	1259.0	1380.3	1501.7	1623.0	1744.4	1865.7	6.6	6.6	0.0	0.0	13.3	20.0	26.6	13.3	6.6	6.6
Chila	583.8	724.9	866.0	1007.1	1148.2	1289.3	1430.4	1571.5	1712.6	1853.7	12.3	29.2	29.2	23.0	4.6	0.0	0.0	0.0	0.0	1.5
Chila de la Sal	586.7	752.9	919.1	1085.3	1251.5	1417.7	1583.9	1750.1	1916.3	2082.5	9.8	19.6	31.1	14.7	9.8	4.9	4.9	0.0	3.2	1.6
Honey	1223.9	1377.1	1530.4	1683.6	1836.8	1990.0	2143.2	2296.5	2449.7	2602.9	8.3	8.3	0.0	8.3	25.0	16.6	0.0	0.0	8.3	25.0
Chilchotla	646.0	794.8	943.5	1092.3	1241.0	1389.7	1538.5	1687.2	1836.0	1984.7	3.8	3.8	3.8	19.2	19.2	11.5	11.5	15.3	7.6	3.8
Chinantla	583.8	724.9	866.0	1007.1	1148.2	1289.3	1430.4	1571.5	1712.6	1853.7	12.3	29.2	29.2	23.0	4.6	0.0	0.0	0.0	0.0	1.5
Domingo Arenas	382.3	472.7	563.1	653.5	743.9	834.4	924.8	1015.2	1105.6	1196.0	4.6	2.3	4.6	9.3	9.3	27.9	20.9	6.9	9.3	4.6
Eloxochitán	1092.2	1302.5	1512.7	1722.9	1933.2	2143.4	2353.6	2563.8	2774.1	2984.3	2.8	0.0	8.5	37.1	17.1	14.2	8.5	5.7	2.8	2.8
Epatlán	295.7	406.1	516.6	627.0	737.4	847.8	958.2	1068.7	1179.1	1289.5	2.1	0.0	2.1	17.3	21.7	32.6	15.2	0.0	4.3	4.3
Esperanza	456.6	525.7	594.8	663.9	733.1	802.2	871.3	940.4	1009.5	1078.6	8.6	13.0	4.3	17.3	8.6	21.7	8.6	4.3	8.6	4.3
Francisco Z. Mena	1343.9	1500.8	1657.7	1814.6	1971.5	2128.3	2285.2	2442.1	2599.0	2755.9	5.8	11.7	29.4	11.7	0.0	5.8	5.8	17.6	5.8	5.8

Tabla C.158. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Puebla.

	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Municipio	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
General Felipe Angeles	431.5	580.4	729.3	878.2	1027.1	1175.9	1324.8	1473.7	1622.6	1771.5	7.1	28.5	42.8	16.6	2.3	0.0	0.0	0.0	0.0	2.3
Guadalupe	583.8	724.9	866.0	1007.1	1148.2	1289.3	1430.4	1571.5	1712.6	1853.7	12.3	29.2	29.2	23.0	4.6	0.0	0.0	0.0	0.0	1.5
Guadalupe Victoria	238.0	283.4	328.8	374.2	419.7	465.1	510.5	555.9	601.3	646.7	5.8	0.0	0.0	23.5	23.5	11.7	11.7	5.8	0.0	17.6
Hermenegildo Galeana	1859.4	2157.8	2456.2	2754.6	3053.0	3351.4	3649.8	3948.2	4246.6	4545.0	7.4	0.0	11.1	11.1	22.2	14.8	11.1	14.8	0.0	7.4
Huaquechula	286.9	388.5	490.1	591.7	693.3	794.9	896.5	998.1	1099.7	1201.3	2.1	0.0	2.1	2.1	21.7	23.9	30.4	10.8	2.1	4.3
Huautla	1356.7	1558.3	1759.9	1961.5	2163.1	2364.7	2566.3	2767.9	2969.5	3171.1	8.3	16.6	16.6	8.3	8.3	8.3	0.0	8.3	16.6	8.3
Huauclilla	1163.1	1334.6	1506.0	1677.5	1848.9	2020.3	2191.8	2363.2	2534.7	2706.1	5.8	0.0	11.7	11.7	14.7	14.7	14.7	8.8	5.8	11.7
Huehuetla	1997.7	2434.3	2871.0	3307.6	3744.3	4180.9	4617.6	5054.2	5490.8	5927.5	3.5	5.8	7.1	14.2	16.0	23.2	14.2	3.5	7.1	5.3
Huehuetlán en Chico	406.6	547.7	688.9	830.0	971.2	1112.4	1253.5	1394.7	1535.8	1677.0	9.7	7.8	12.1	29.2	17.0	9.7	12.1	0.0	9.0	2.4
Huejotzingo	382.3	472.7	563.1	653.5	743.9	834.4	924.8	1015.2	1105.6	1196.0	4.6	2.8	4.6	9.3	9.3	27.9	20.9	6.9	9.3	4.6
Hueyapan	909.2	1275.9	1642.6	2009.3	2376.0	2742.7	3109.4	3476.1	3842.8	4209.5	6.2	0.0	0.0	0.0	0.0	0.0	18.7	18.7	37.5	18.7
Hueytamalco	1744.6	2070.8	2397.1	2723.4	3049.7	3375.9	3702.2	4028.5	4354.7	4681.0	2.7	16.6	30.5	13.8	16.6	5.5	8.3	0.0	2.7	2.7
Hueytlalpan	1630.6	1785.6	1940.7	2095.7	2250.8	2405.9	2560.9	2716.0	2871.0	3026.1	5.2	10.5	0.0	0.0	5.2	26.3	5.2	31.5	10.5	5.2
Huiztilan de Serdán	1388.5	1551.2	1714.0	1876.8	2039.6	2202.3	2365.1	2527.9	2690.6	2853.4	8.1	2.7	16.2	8.1	18.9	5.4	21.6	8.1	8.1	2.7
Huiztiltepec	1356.7	1558.3	1759.9	1961.5	2163.1	2364.7	2566.3	2767.9	2969.5	3171.1	8.3	16.6	16.6	8.3	8.3	8.3	0.0	8.3	16.6	8.3
Atlixcoatlán	1630.6	1785.6	1940.7	2095.7	2250.8	2405.9	2560.9	2716.0	2871.0	3026.1	5.2	10.5	0.0	0.0	5.2	26.3	5.2	31.5	10.5	5.2
Ixcamilpa de Guerrero	444.7	522.0	599.4	676.7	754.0	831.3	908.6	986.0	1063.3	1140.6	5.5	0.0	5.5	13.8	11.1	22.2	27.7	8.3	0.0	5.5
Ixcamaxtitlan	1356.7	1558.3	1759.9	1961.5	2163.1	2364.7	2566.3	2767.9	2969.5	3171.1	8.3	16.6	16.6	8.3	8.3	8.3	0.0	8.3	16.6	8.3
Ixtacamaxtitlan	436.7	514.7	592.6	670.6	748.5	826.4	904.4	982.3	1060.3	1138.2	5.5	5.5	5.5	8.3	27.7	22.2	11.1	5.5	2.7	5.5
Ixtpec	1630.6	1785.6	1940.7	2095.7	2250.8	2405.9	2560.9	2716.0	2871.0	3026.1	5.2	10.5	0.0	0.0	5.2	26.3	5.2	31.5	10.5	5.2
Izúcar de Matamoros	506.1	589.7	673.3	756.9	840.5	924.1	1007.7	1091.3	1174.9	1258.5	2.1	6.8	10.6	19.1	23.4	17.0	10.6	2.1	6.3	2.1
Jalpan	1343.9	1500.8	1657.7	1814.6	1971.5	2128.3	2285.2	2442.1	2599.0	2755.9	5.8	11.7	29.4	11.7	0.0	5.8	5.8	17.6	5.8	5.8
Jaltipan	406.6	547.7	688.9	830.0	971.2	1112.4	1253.5	1394.7	1535.8	1677.0	9.7	7.8	12.1	29.2	17.0	9.7	12.1	0.0	0.0	2.4
Jonotla	1171.5	1322.2	1473.0	1623.8	1774.6	1925.3	2076.1	2226.9	2377.6	2528.4	3.8	0.0	0.0	7.6	11.5	19.2	11.5	15.3	7.6	23.0
Jopala	1859.4	2157.8	2456.2	2754.6	3053.0	3351.4	3649.8	3948.2	4246.6	4545.0	7.4	0.0	11.1	11.1	22.2	14.8	11.1	14.8	0.0	7.4
Juan C. Bonilla	581.4	652.1	722.9	793.6	864.4	935.2	1005.9	1076.7	1147.4	1218.2	8.5	6.8	2.1	12.7	25.5	19.1	12.7	4.2	4.2	4.2
Juan Galindo	1436.7	1597.6	1758.6	1919.5	2080.5	2241.5	2402.4	2563.4	2724.3	2885.3	16.6	8.8	0.0	16.6	8.3	0.0	8.3	16.6	8.3	16.6
Juan N. Méndez	1356.7	1558.3	1759.9	1961.5	2163.1	2364.7	2566.3	2767.9	2969.5	3171.1	8.3	16.6	16.6	8.3	8.3	8.3	0.0	8.3	16.6	8.3
Lafregua	238.0	283.4	328.8	374.2	419.7	465.1	510.5	555.9	601.3	646.7	5.8	0.0	0.0	23.5	23.5	11.7	11.7	5.8	0.0	17.6
Libres	324.3	365.1	405.9	446.7	487.5	528.3	569.1	609.9	650.7	691.5	18.1	9.0	9.0	0.0	36.3	9.0	0.0	0.0	0.0	18.1
Magdalena Tlaltlauquitepec, La	1356.7	1558.3	1759.9	1961.5	2163.1	2364.7	2566.3	2767.9	2969.5	3171.1	8.3	16.6	16.6	8.3	8.3	8.3	0.0	8.3	16.6	8.3
Mazapiltepec de Juárez	300.9	379.0	457.2	535.3	613.4	691.6	769.7	847.9	926.0	1004.2	4.3	8.6	0.0	4.3	17.3	26.0	17.3	8.6	8.6	4.3

Tabla C.158. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Puebla.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Mixtla	393.7	479.0	564.3	649.6	734.9	820.2	905.5	990.8	1076.1	1161.4	2.7	5.4	13.5	16.2	24.3	21.6	10.8	2.7	0.0	2.7
Molcaxac	1356.7	1558.3	1759.9	1961.5	2163.1	2364.7	2566.3	2767.9	2969.5	3171.1	8.3	16.6	16.6	8.3	8.3	0.0	8.3	16.6	8.3	
Cañada Morelos	229.9	296.6	363.3	430.0	496.7	563.3	630.0	696.7	763.4	830.1	6.2	4.1	20.8	14.5	12.5	20.8	14.5	2.0	0.0	4.1
Naupan	1223.9	1377.1	1530.4	1683.6	1836.8	1990.0	2143.2	2296.5	2449.7	2602.9	8.3	8.3	0.0	8.3	25.0	16.6	0.0	0.0	8.3	25.0
Nauzontla	1388.5	1551.2	1714.0	1876.8	2039.6	2202.3	2365.1	2527.9	2690.6	2853.4	8.1	2.7	16.2	8.1	18.9	5.4	21.6	8.1	8.1	2.7
Nealtican	382.3	472.7	563.1	653.5	743.9	834.4	924.8	1015.2	1105.6	1196.0	4.6	2.3	4.6	9.3	9.3	27.9	20.9	6.9	9.3	4.6
Nicolás Bravo	366.8	421.0	475.3	529.5	583.7	637.9	692.1	746.4	800.6	854.8	7.1	11.9	16.6	14.2	11.9	16.6	7.1	4.7	2.3	7.1
Nopalucan	456.8	537.9	618.9	699.9	780.9	862.0	943.0	1024.0	1105.1	1186.1	4.2	6.3	21.2	12.7	23.4	4.2	19.1	2.1	4.2	2.1
Ocoatepec	290.7	371.1	451.4	531.8	612.2	692.6	773.0	853.4	933.8	1014.2	15.0	5.0	40.0	20.0	15.0	0.0	0.0	0.0	0.0	5.0
Ocoyucan	533.7	612.2	690.8	769.3	847.8	926.3	1004.8	1083.4	1161.9	1240.4	4.2	2.1	6.3	8.5	19.1	31.9	8.5	10.6	4.2	4.2
Olinta	1997.7	2434.3	2871.0	3307.6	3744.3	4180.9	4617.6	5054.2	5490.8	5927.5	3.5	5.3	7.1	14.2	16.0	23.2	14.2	3.5	7.1	5.3
Oriental	1180.6	1290.5	1400.5	1510.4	1620.4	1730.3	1840.3	1950.2	2060.2	2170.1	5.5	11.1	16.6	5.5	22.2	16.6	11.1	0.0	5.5	5.5
Pahuatlán	1223.9	1377.1	1530.4	1683.6	1836.8	1990.0	2143.2	2296.5	2449.7	2602.9	8.3	8.3	0.0	8.3	25.0	16.6	0.0	0.0	8.3	25.0
Palmar de Bravo	245.9	289.1	332.4	375.6	418.9	462.2	505.4	548.7	591.9	635.2	6.2	12.5	12.5	6.2	18.7	25.0	0.0	12.5	0.0	6.2
Pantepec	1343.9	1500.8	1657.7	1814.6	1971.5	2128.3	2285.2	2442.1	2599.0	2755.9	5.8	11.7	29.4	11.7	0.0	5.8	5.8	17.6	5.8	5.8
Pettafcingo	583.8	724.9	866.0	1007.1	1148.2	1289.3	1430.4	1571.5	1712.6	1853.7	12.3	29.2	29.2	23.0	4.6	0.0	0.0	0.0	0.0	1.5
Plaxtla	583.8	724.9	866.0	1007.1	1148.2	1289.3	1430.4	1571.5	1712.6	1853.7	12.3	29.2	29.2	23.0	4.6	0.0	0.0	0.0	0.0	1.5
Puebla	522.1	589.0	655.9	722.8	789.6	856.5	923.4	990.3	1057.2	1124.1	2.1	2.1	12.7	6.3	17.0	17.0	25.5	6.3	6.3	4.2
Quecholac	371.2	407.0	442.9	478.8	514.7	550.5	586.4	622.3	658.1	694.0	8.6	4.3	8.6	0.0	13.0	13.0	17.3	8.6	13.0	13.0
Quimixtlán	1051.3	1247.5	1443.6	1639.8	1836.0	2032.2	2228.4	2424.5	2620.7	2816.9	7.6	7.6	15.3	23.0	23.0	11.5	3.8	0.0	0.0	7.6
Rafael Lara Grajales	456.8	537.9	618.9	699.9	780.9	862.0	943.0	1024.0	1105.1	1186.1	4.2	6.3	21.2	12.7	23.4	4.2	19.1	2.1	4.2	2.1
Reyes de Juárez, Los	387.6	492.6	597.5	702.5	807.5	912.5	1017.5	1122.4	1227.4	1332.4	7.5	5.0	12.5	25.0	35.0	10.0	0.0	2.5	0.0	2.5
San Andrés Cholula	533.7	612.2	690.8	769.3	847.8	926.3	1004.8	1083.4	1161.9	1240.4	2.1	4.2	8.5	12.7	12.7	17.0	17.0	12.7	8.5	4.2
San Antonio Cañada	491.8	603.6	715.4	827.2	938.9	1050.7	1162.5	1274.3	1386.1	1497.9	6.6	3.3	26.6	33.3	6.6	13.3	3.3	3.3	0.0	3.3
San Diego la Mesa Tochimilzingo	295.7	406.1	516.6	627.0	737.4	847.8	958.2	1068.7	1179.1	1289.5	2.1	0.0	2.1	17.3	21.7	32.6	15.2	0.0	4.3	4.3
San Felipe Teotlalcingo	382.3	472.7	563.1	653.5	743.9	834.4	924.8	1015.2	1105.6	1196.0	4.6	2.3	4.6	9.3	9.3	27.9	20.9	6.9	9.3	4.6
San Felipe Tepatlán	670.8	859.7	1048.7	1237.7	1426.7	1615.6	1804.6	1993.6	2182.5	2371.5	6.8	3.4	0.0	6.8	3.4	10.3	31.0	24.1	6.8	6.8
San Gabriel Chilac	194.5	266.1	337.6	409.2	480.7	552.2	623.8	695.3	766.9	838.4	16.6	22.9	22.9	12.5	10.4	10.4	2.0	0.0	0.0	2.0
San Gregorio Atzompa	533.7	612.2	690.8	769.3	847.8	926.3	1004.8	1083.4	1161.9	1240.4	4.2	2.1	6.3	8.5	19.1	31.9	8.5	10.6	4.2	4.2
San Jerónimo Tecuanipan	533.7	612.2	690.8	769.3	847.8	926.3	1004.8	1083.4	1161.9	1240.4	4.2	2.1	6.3	8.5	19.1	31.9	8.5	10.6	4.2	4.2
San Jerónimo Xayacatlán	583.8	724.9	866.0	1007.1	1148.2	1289.3	1430.4	1571.5	1712.6	1853.7	12.3	29.2	29.2	23.0	4.6	0.0	0.0	0.0	0.0	1.5
San José Chiapa	1180.6	1290.5	1400.5	1510.4	1620.4	1730.3	1840.3	1950.2	2060.2	2170.1	5.5	11.1	16.6	5.5	22.2	16.6	11.1	0.0	5.5	5.5

Tabla C.158. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Puebla.

Municipio	Deciles de la lluvia promedio municipal										Probabilidades de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
San José Miahuatlán	632.3	903.2	1174.0	1444.9	1715.7	1986.5	2257.4	2528.2	2799.1	3069.9	68.8	22.2	6.6	0.0	0.0	0.0	0.0	0.0	0.0	2.2
San Juan Atenco	350.9	407.6	464.4	521.2	577.9	634.7	691.5	748.3	805.0	861.8	4.3	4.3	8.6	0.0	13.0	21.7	26.0	8.6	4.3	8.6
San Juan Atzompa	1356.7	1558.3	1759.9	1961.5	2163.1	2364.7	2566.3	2767.9	2969.5	3171.1	8.3	16.6	16.6	8.3	8.3	8.3	0.0	8.3	16.6	8.3
San Martín Texmelucal	382.3	472.7	563.1	653.5	743.9	834.4	924.8	1015.2	1105.6	1196.0	4.6	2.3	4.6	9.3	9.3	27.9	20.9	6.9	9.3	4.6
San Martín Totoltepec	295.7	406.1	516.6	627.0	737.4	847.8	958.2	1068.7	1179.1	1289.5	2.1	0.0	2.1	17.3	21.7	32.6	15.2	0.0	4.3	4.3
San Matías Tlalancaleca	382.3	472.7	563.1	653.5	743.9	834.4	924.8	1015.2	1105.6	1196.0	4.6	2.3	4.6	9.3	9.3	27.9	20.9	6.9	9.3	4.6
San Miguel Ixtitlán	583.8	724.9	866.0	1007.1	1148.2	1289.3	1430.4	1571.5	1712.6	1853.7	12.3	29.2	29.2	23.0	4.6	0.0	0.0	0.0	0.0	1.5
San Miguel Xoxtla	382.3	472.7	563.1	653.5	743.9	834.4	924.8	1015.2	1105.6	1196.0	4.6	2.3	4.6	9.3	9.3	27.9	20.9	6.9	9.3	4.6
San Nicolás Buenos Aires	1180.6	1290.5	1400.5	1510.4	1620.4	1730.3	1840.3	1950.2	2060.2	2170.1	5.5	11.1	16.6	5.5	22.2	16.6	11.1	0.0	5.5	5.5
San Nicolás de los Ranchos	382.3	472.7	563.1	653.5	743.9	834.4	924.8	1015.2	1105.6	1196.0	4.6	2.3	4.6	9.3	9.3	27.9	20.9	6.9	9.3	4.6
San Pablo Anciano	583.8	724.9	866.0	1007.1	1148.2	1289.3	1430.4	1571.5	1712.6	1853.7	12.3	29.2	29.2	23.0	4.6	0.0	0.0	0.0	0.0	1.5
San Pedro Cholula	581.4	652.1	722.9	793.6	864.4	935.2	1005.9	1076.7	1147.4	1218.2	8.5	6.3	2.1	12.7	25.5	19.1	12.7	4.2	4.2	4.2
San Pedro Yeloixtlahuaca	583.8	724.9	866.0	1007.1	1148.2	1289.3	1430.4	1571.5	1712.6	1853.7	12.3	29.2	29.2	23.0	4.6	0.0	0.0	0.0	0.0	1.5
San Salvador el Seco	350.9	407.6	464.4	521.2	577.9	634.7	691.5	748.3	805.0	861.8	4.3	4.3	8.6	0.0	13.0	21.7	26.0	8.6	4.3	8.6
San Salvador el Verde	382.3	472.7	563.1	653.5	743.9	834.4	924.8	1015.2	1105.6	1196.0	4.6	2.3	4.6	9.3	9.3	27.9	20.9	6.9	9.3	4.6
San Salvador Huixcolotla	410.1	506.9	603.7	700.5	797.3	894.0	990.8	1087.6	1184.4	1281.2	11.3	20.4	22.7	22.7	11.3	6.8	2.2	0.0	0.0	2.2
San Sebastián Tlaxotepec	1092.2	1302.5	1512.7	1722.9	1933.2	2143.4	2353.6	2563.8	2774.1	2984.3	2.8	0.0	8.5	37.1	17.1	14.2	8.5	5.7	2.8	2.8
Santa Catarina Tlaltetpan	1356.7	1558.3	1759.9	1961.5	2163.1	2364.7	2566.3	2767.9	2969.5	3171.1	8.3	16.6	16.6	8.3	8.3	8.3	0.0	8.3	16.6	8.3
Santa Inés Ahuatempan	292.5	377.4	462.4	547.3	632.3	717.2	802.2	887.1	972.1	1057.0	2.7	5.5	8.3	8.3	36.1	13.8	16.6	2.7	0.0	5.5
Santa Isabel Cholula	533.7	612.2	690.8	769.3	847.8	926.3	1004.8	1083.4	1161.9	1240.4	4.2	2.1	6.3	8.5	19.1	31.9	8.5	10.6	4.2	4.2
Santiago Miahuatlán	181.7	232.4	283.0	333.7	384.4	435.1	485.8	536.4	587.1	637.8	6.8	3.4	10.3	13.7	13.7	13.7	6.8	10.3	10.3	10.3
Huehuetlán el Grande	587.0	659.6	732.2	804.8	877.4	949.9	1022.5	1095.1	1167.7	1240.3	9.5	9.5	19.0	19.0	16.6	7.1	9.5	7.1	0.0	2.3
Santo Tomás Hueyotlilpan	393.7	479.0	564.3	649.6	734.9	820.2	905.5	990.8	1076.1	1161.4	2.7	5.4	13.5	16.2	24.3	21.6	10.8	2.7	0.0	2.7
Soltepec	300.9	379.0	457.2	535.3	613.4	691.6	769.7	847.9	926.0	1004.2	4.3	8.6	0.0	4.3	17.3	26.0	17.3	8.6	8.6	4.3
Tecali de Herrera	393.7	479.0	564.3	649.6	734.9	820.2	905.5	990.8	1076.1	1161.4	2.7	5.4	13.5	16.2	24.3	21.6	10.8	2.7	0.0	2.7
Tecamachalco	331.2	451.8	572.3	692.9	813.4	933.9	1054.5	1175.0	1295.6	1416.1	10.6	17.0	34.0	21.2	8.5	6.3	0.0	0.0	0.0	2.1
Tecomatlán	583.8	724.9	866.0	1007.1	1148.2	1289.3	1430.4	1571.5	1712.6	1853.7	12.3	29.2	29.2	23.0	4.6	0.0	0.0	0.0	0.0	1.5
Tehuacán	181.7	232.4	283.0	333.7	384.4	435.1	485.8	536.4	587.1	637.8	6.8	3.4	10.3	13.7	13.7	13.7	6.8	10.3	10.3	10.3
Tehuizingo	582.1	680.8	779.6	878.3	977.1	1075.8	1174.6	1273.3	1372.1	1470.8	4.6	16.9	18.4	23.0	12.3	10.7	4.6	4.6	1.5	3.0
Tenampulco	1276.9	1483.1	1689.3	1895.5	2101.7	2307.9	2514.1	2720.3	2926.5	3132.7	3.8	3.8	19.2	19.2	11.5	26.9	3.8	3.8	3.8	3.8
Teopantlán	1356.7	1558.3	1759.9	1961.5	2163.1	2364.7	2566.3	2767.9	2969.5	3171.1	8.3	16.6	16.6	8.3	8.3	8.3	0.0	8.3	16.6	8.3
Teotlalco	406.6	547.7	688.9	830.0	971.2	1112.4	1253.5	1394.7	1535.8	1677.0	9.7	7.3	12.1	29.2	17.0	9.7	12.1	0.0	0.0	2.4

Tabla C.158. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Puebla.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Tepanco de López	181.7	232.4	283.0	333.7	384.4	435.1	485.8	536.4	587.1	637.8	6.8	3.4	10.3	13.7	13.7	13.7	6.8	10.3	10.3	10.3
Tepango de Rodríguez	670.8	859.7	1048.7	1237.7	1426.7	1615.6	1804.6	1993.6	2182.5	2371.5	6.8	3.4	0.0	6.8	3.4	10.3	31.0	24.1	6.8	6.8
Tepatlaxco de Hidalgo	456.8	537.9	618.9	699.9	780.9	862.0	943.0	1024.0	1105.1	1186.1	4.2	6.3	21.2	12.7	23.4	4.2	19.1	2.1	4.2	2.1
Tepeaca	387.6	492.6	597.5	702.5	807.5	912.5	1017.5	1122.4	1227.4	1332.4	7.5	5.0	12.5	25.0	35.0	10.0	0.0	2.5	0.0	2.5
Tepemaxalco	295.7	406.1	516.6	627.0	737.4	847.8	958.2	1068.7	1179.1	1289.5	2.1	0.0	2.1	17.3	21.7	32.6	15.2	0.0	4.3	4.3
Tepeojuma	295.7	406.1	516.6	627.0	737.4	847.8	958.2	1068.7	1179.1	1289.5	2.1	0.0	2.1	17.3	21.7	32.6	15.2	0.0	4.3	4.3
Tepezintla	267.4	393.9	520.4	646.9	773.4	899.8	1026.3	1152.8	1279.3	1405.8	2.8	0.0	2.8	5.7	17.1	11.4	17.1	17.1	4.1	8.5
Texcoco	443.8	507.9	572.1	636.2	700.3	764.5	828.6	892.8	956.9	1021.1	2.1	2.1	2.1	8.6	13.0	23.9	23.9	6.5	13.0	4.3
Texcá de Rodríguez	1356.7	1558.3	1759.9	1961.5	2163.1	2364.7	2566.3	2767.9	2969.5	3171.1	8.3	16.6	16.6	8.3	8.3	8.3	0.0	8.3	16.6	8.3
Tepeyahualco	298.6	383.8	468.9	554.0	639.2	724.3	809.4	894.5	979.7	1064.8	6.6	6.6	8.8	40.0	8.8	13.3	11.1	2.2	0.0	2.2
Tepeyahualco de Cuauhtémoc	307.9	420.5	533.1	645.7	758.3	870.8	983.4	1096.0	1208.6	1321.2	4.2	27.6	36.1	12.7	12.7	4.2	0.0	0.0	0.0	2.1
Tetela de Ocampo	579.3	670.1	760.8	851.6	942.3	1033.0	1123.8	1214.5	1305.3	1396.0	5.5	30.5	11.1	11.1	19.4	11.1	2.7	5.5	0.0	2.7
Teteles de Avila Castillo	909.2	1275.9	1642.6	2009.3	2376.0	2742.7	3109.4	3476.1	3842.8	4209.5	6.2	0.0	0.0	0.0	0.0	18.7	18.7	37.5	18.7	18.7
Tezcuilán	1415.6	1563.1	1710.7	1858.2	2005.8	2153.3	2300.9	2448.4	2596.0	2743.5	5.7	5.7	5.7	17.1	17.1	5.7	14.2	20.0	2.8	5.7
Tiangulmanalco	533.7	612.2	690.8	769.3	847.8	926.3	1004.8	1083.4	1161.9	1240.4	4.2	2.1	6.3	8.5	19.1	31.9	8.5	10.6	4.2	4.2
Tilapa	443.8	507.9	572.1	636.2	700.3	764.5	828.6	892.8	956.9	1021.1	2.1	2.1	2.1	8.6	13.0	23.9	23.9	6.5	13.0	4.3
Tlacoatepec de Benito Juárez	237.3	303.1	369.0	434.9	500.8	566.6	632.5	698.4	764.2	830.1	6.3	0.0	14.8	19.1	17.0	10.6	17.0	4.2	4.2	6.3
Tlacuilotepec	1343.9	1500.8	1657.7	1814.6	1971.5	2128.3	2285.2	2442.1	2599.0	2755.9	5.8	11.7	29.4	11.7	0.0	5.8	5.8	17.6	5.8	5.8
Tlachichuca	436.6	501.7	566.8	631.9	697.0	762.1	827.2	892.3	957.4	1022.5	4.8	7.3	2.4	21.9	24.3	9.7	14.6	0.0	12.1	2.4
Tlahuapan	382.3	472.7	563.1	653.5	743.9	834.4	924.8	1015.2	1105.6	1196.0	4.6	2.3	4.6	9.3	9.3	27.9	20.9	6.9	9.3	4.6
Tlaltenango	382.3	472.7	563.1	653.5	743.9	834.4	924.8	1015.2	1105.6	1196.0	4.6	2.3	4.6	9.3	9.3	27.9	20.9	6.9	9.3	4.6
Tlanepantla	393.7	479.0	564.3	649.6	734.9	820.2	905.5	990.8	1076.1	1161.4	2.7	5.4	13.5	16.2	24.3	21.6	10.8	2.7	0.0	2.7
Tlaola	1324.2	1452.4	1580.7	1708.9	1837.2	1965.4	2093.7	2221.9	2350.2	2478.4	8.3	33.3	0.0	8.3	8.3	0.0	8.3	0.0	8.3	25.0
Tlapacoya	1202.5	1366.0	1529.4	1692.8	1856.3	2019.7	2183.1	2346.5	2510.0	2673.4	8.3	0.0	25.0	0.0	8.3	16.6	0.0	8.3	16.6	16.6
Tlapanalá	295.7	406.1	516.6	627.0	737.4	847.8	958.2	1068.7	1179.1	1289.5	2.1	0.0	2.1	17.3	21.7	32.6	15.2	0.0	4.3	4.3
Tlaltlauquitepec	688.7	790.0	891.4	992.8	1094.2	1195.5	1296.9	1398.3	1499.6	1601.0	5.4	10.8	16.2	24.3	10.8	13.5	5.4	5.4	5.4	2.7
Tlaxco	1343.9	1500.8	1657.7	1814.6	1971.5	2128.3	2285.2	2442.1	2599.0	2755.9	5.8	11.7	29.4	11.7	0.0	5.8	5.8	17.6	5.8	5.8
Tochimilco	286.9	388.5	490.1	591.7	693.3	794.9	896.5	998.1	1099.7	1201.3	2.1	0.0	2.1	2.1	21.7	23.9	30.4	10.8	2.1	4.3
Tochtepec	331.2	451.8	572.3	692.9	813.4	933.9	1054.5	1175.0	1295.6	1416.1	10.6	17.0	34.0	21.2	8.5	6.3	0.0	0.0	0.0	2.1
Totoltepec de Guerrero	292.5	377.4	462.4	547.3	632.3	717.2	802.2	887.1	972.1	1057.0	2.7	5.5	8.3	8.3	36.1	13.8	16.6	2.7	0.0	5.5
Tulcingo	583.8	724.9	866.0	1007.1	1148.2	1289.3	1430.4	1571.5	1712.6	1853.7	12.3	29.2	29.2	23.0	4.6	0.0	0.0	0.0	0.0	1.5
Tuzamapan de Galeana	1040.5	1232.7	1424.8	1617.0	1809.1	2001.2	2193.4	2385.5	2577.7	2769.8	7.6	7.6	15.3	15.3	0.0	7.6	15.3	15.3	7.6	7.6

Tabla C.158. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Puebla.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Tzicatlacoyan	358.4	482.2	606.1	729.9	853.8	977.7	1101.5	1225.4	1349.2	1473.1	8.5	8.5	40.4	23.4	10.6	2.1	4.2	0.0	0.0	2.1
Venustiano Carranza	1343.9	1500.8	1657.7	1814.6	1971.5	2128.3	2285.2	2442.1	2599.0	2755.9	5.8	11.7	29.4	11.7	0.0	5.8	5.8	17.6	5.8	5.8
Vicente Guerrero	621.4	685.0	748.5	812.1	875.6	939.1	1002.7	1066.2	1129.8	1193.3	13.3	6.6	0.0	20.0	6.6	10.0	13.3	16.6	10.0	3.3
Xayacatlán de Bravo	292.5	377.4	462.4	547.3	632.3	717.2	802.2	887.1	972.1	1057.0	2.7	5.5	8.3	8.3	36.1	13.8	16.6	2.7	0.0	5.5
Xicotepec	1193.7	1367.3	1540.8	1714.4	1888.0	2061.6	2235.2	2408.7	2582.3	2755.9	18.1	9.0	9.0	0.0	18.1	9.0	18.1	9.0	0.0	9.0
Xicolán	504.1	612.0	720.0	827.9	935.9	1043.9	1151.8	1259.8	1367.7	1475.7	3.0	7.6	18.4	21.5	13.8	9.2	18.4	3.0	3.0	1.5
Xiutetelco	773.6	895.0	1016.3	1137.7	1259.0	1380.3	1501.7	1623.0	1744.4	1865.7	6.6	6.6	0.0	0.0	13.3	20.0	26.6	13.3	6.6	6.6
Xochiapulco	960.6	1127.7	1294.8	1461.9	1629.0	1796.1	1963.2	2130.3	2297.4	2464.5	13.6	15.9	18.1	18.1	18.1	2.2	2.2	4.5	0.0	6.8
Chochiltepec	295.7	406.1	516.6	627.0	737.4	847.8	958.2	1068.7	1179.1	1289.5	2.1	0.0	2.1	17.3	21.7	32.6	15.2	0.0	4.3	4.3
Xochitlán de Vicente Suárez	1388.5	1551.2	1714.0	1876.8	2039.6	2202.3	2365.1	2527.9	2690.6	2853.4	8.1	2.7	16.2	8.1	18.9	5.4	21.6	8.1	8.1	2.7
Xochitlán Todos Santos	307.9	420.5	533.1	645.7	758.3	870.8	983.4	1096.0	1208.6	1321.2	4.2	27.6	36.1	12.7	12.7	4.2	0.0	0.0	0.0	2.1
Yaonáhuac	909.2	1275.9	1642.6	2009.3	2376.0	2742.7	3109.4	3476.1	3842.8	4209.5	6.2	0.0	0.0	0.0	0.0	0.0	18.7	18.7	37.5	18.7
Yehualtepec	307.9	420.5	533.1	645.7	758.3	870.8	983.4	1096.0	1208.6	1321.2	4.2	27.6	36.1	12.7	12.7	4.2	0.0	0.0	0.0	2.1
Zacapala	1356.7	1558.3	1759.9	1961.5	2163.1	2364.7	2566.3	2767.9	2969.5	3171.1	8.3	16.6	16.6	8.3	8.3	0.0	8.3	16.6	8.3	8.3
Zacapoxtla	2189.0	2371.2	2553.4	2735.6	2917.8	3099.9	3282.1	3464.3	3646.5	3828.7	13.3	13.3	6.6	13.3	23.3	10.0	10.0	6.6	0.0	3.3
Zacatlán	274.7	408.5	542.3	676.1	809.9	943.7	1077.5	1211.3	1345.1	1478.9	2.8	0.0	2.8	5.7	17.1	17.1	14.2	17.1	14.2	8.5
Zapotitlán	262.6	298.7	334.9	371.0	407.1	443.3	479.4	515.6	551.7	587.9	15.7	0.0	10.5	15.7	15.7	0.0	26.3	5.2	5.2	5.2
Zapotitlán de Méndez	1630.6	1785.6	1940.7	2095.7	2250.8	2405.9	2560.9	2716.0	2871.0	3026.1	5.2	10.5	0.0	0.0	5.2	26.3	5.2	31.5	10.5	5.2
Zaragoza	1430.6	1643.4	1856.1	2068.9	2281.7	2494.5	2707.3	2920.0	3132.8	3345.6	20.0	23.3	20.0	23.3	3.3	0.0	3.3	0.0	0.0	6.6
Zautla	526.2	788.9	1051.6	1314.3	1577.0	1839.7	2102.4	2365.1	2627.8	2890.5	37.1	54.2	2.8	2.8	0.0	0.0	0.0	0.0	0.0	2.8
Zihuateutla	1193.7	1367.3	1540.8	1714.4	1888.0	2061.6	2235.2	2408.7	2582.3	2755.9	18.1	9.0	9.0	0.0	18.1	9.0	18.1	9.0	0.0	9.0
Zinacatepec	228.2	267.2	306.3	345.4	384.5	423.5	462.6	501.7	540.7	579.8	8.3	12.5	16.6	12.5	16.6	0.0	12.5	12.5	4.1	4.1
Zongozotla	876.5	1093.5	1310.4	1527.4	1744.4	1961.4	2178.4	2395.3	2612.3	2829.3	5.5	2.7	0.0	5.5	22.2	22.2	16.6	11.1	2.7	11.1
Zoquiapan	1171.5	1322.2	1473.0	1623.8	1774.6	1925.3	2076.1	2226.9	2377.6	2528.4	3.8	0.0	0.0	7.6	11.5	19.2	11.5	15.3	7.6	23.0
Zoquitlán	1092.2	1302.5	1512.7	1722.9	1933.2	2143.4	2353.6	2563.8	2774.1	2984.3	2.8	0.0	8.5	37.1	17.1	14.2	8.5	5.7	2.8	2.8
Estatal	693.8	904.2	1114.7	1325.1	1535.6	1746.1	1956.5	2167.0	2377.4	2587.9	4.6	18.4	40.0	16.9	6.1	1.5	4.6	4.6	1.5	1.5

Tabla C.158. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Puebla.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica		
	Periodicidad	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS	Intensidad			% de IS	Ruvia disponible
	Per(S/años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X.	Np disp S(mm)	Hp disp S(mm)				
Acajete	3.9	1.7	2.1	1.4	298.2	241.0	142.0	19.0	590.0	4.9	MUY SEVERA			
Acateno	3.3	0.4	1.7	0.4	873.9	380.1	514.0	12.0	3466.3	3.9	SEVERA			
Acatlán	4.5	1.4	2.6	1.6	332.4	278.6	127.8	16.0	6462	4.1	MUY SEVERA			
Acatzingo	4.2	1.5	2.1	1.4	257.9	185.0	122.8	20.0	4817	4.4	MUY SEVERA			
Acteopan	4.3	1.9	2.1	1.3	282.0	291.3	134.2	17.0	6427	5.9	MUY SEVERA			
Ahuacatlán	6.6	1.2	2.5	1.5	1136.6	841.8	454.6	27.0	1175.0	8.3	MUY VASTA			
Ahuatlán	4.8	1.5	2.4	1.4	354.1	280.2	147.5	19.0	6115	5.7	MUY SEVERA			
Ahuazotepec	8.0	2.0	3.3	1.8	207.5	60.5	62.8	14.0	3745	5.0	EXTREMADAMENTE SEVERA			
Ahuehuetlilla	4.5	1.4	2.6	1.6	332.4	278.6	127.8	16.0	6462	4.1	MUY SEVERA			
Ajalpan	4.7	1.6	2.6	1.7	697.5	605.0	268.2	14.0	1582.6	4.0	MUY SEVERA			
Albino Zertuche	6.0	3.0	3.2	1.8	526.6	416.2	164.5	19.0	698.5	4.1	EXTREMADAMENTE SEVERA			
Aljojuca	2.7	0.4	1.6	1.1	183.6	98.8	114.7	18.0	5043	2.2	SEVERA			
Altepeixi	4.4	1.4	2.6	1.4	256.4	128.0	98.6	30.0	220.1	4.1	MUY VASTA			
Amixtlán	6.6	1.2	2.5	1.5	1136.6	841.8	454.6	27.0	1175.0	8.3	MUY VASTA			
Amozoc	4.6	1.4	2.3	1.2	321.1	256.9	139.6	17.0	667.1	5.3	MUY SEVERA			
Aquixtla	4.7	2.3	2.5	1.1	252.1	130.8	100.8	15.0	563.5	4.9	MUY SEVERA			
Atempan	3.3	1.0	2.0	0.9	375.9	363.3	187.9	15.0	1040.2	4.3	MUY SEVERA			
Alexcaí	4.4	1.0	2.0	1.0	281.5	258.4	140.7	28.0	347.2	6.1	MUY VASTA			
Atlixco	4.3	1.9	2.1	1.3	282.0	291.3	134.2	17.0	642.7	5.9	MUY SEVERA			
Atoyatepan	3.7	0.9	2.2	1.0	280.8	328.7	127.6	21.0	461.2	3.9	MUY VASTA			
Atzala	3.9	1.4	1.9	1.2	239.7	193.8	126.1	16.0	649.8	5.5	SEVERA			
Atzizihuacán	4.3	1.9	2.1	1.3	282.0	291.3	134.2	17.0	642.7	5.9	MUY SEVERA			
Atzizintla	3.6	1.4	1.5	0.4	228.7	103.6	152.4	21.0	557.0	5.6	VASTA			
Axutla	5.4	3.2	3.1	2.4	628.4	501.2	202.7	21.0	735.5	3.9	EXTREMADAMENTE VASTA			
Ayotloxcó de Guerrero	2.7	0.9	1.5	0.6	406.6	328.2	271.0	12.0	1840.9	4.9	SEVERA			
Calpan	4.6	1.7	1.7	0.9	302.8	322.2	178.1	22.0	621.7	8.4	VASTA			
Caltepec	4.4	1.3	2.2	0.8	256.0	235.8	116.3	24.0	359.1	5.0	MUY VASTA			
Camocuahtla	6.6	1.2	2.5	1.5	1136.6	841.8	454.6	27.0	1175.0	8.3	MUY VASTA			
Caxhuacán	4.5	2.5	1.7	1.1	578.7	340.8	340.4	14.0	2066.5	5.9	SEVERA			
Coatepec	3.7	2.1	1.5	1.0	742.7	491.8	495.1	17.0	2293.1	5.8	SEVERA			
Coatzacoacoana	3.3	0.4	1.5	0.5	842.5	459.7	561.6	26.0	1521.8	5.0	VASTA			
Cohetzala	5.3	3.1	2.1	1.2	299.4	172.0	142.5	18.0	635.4	6.6	MUY SEVERA			

Tabla C.159. Características de la sequía promedio de cada municipio del estado de Puebla.

Municipio	Características promedio de la sequía meteorológica municipal									Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	lluvia disponible		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año) respecto a X _c	Hp disp S(mm)	Hp disp S(mm)		
Cohuecan	4.3	1.9	2.1	1.3	282.0	291.3	134.2	17.0	642.7	5.9	MUY SEVERA
Coronango	3.7	1.7	1.9	1.3	223.1	224.9	117.4	13.0	724.1	4.7	SEVERA
Coxcatlán	5.2	2.9	2.3	1.3	219.8	61.6	95.5	26.0	262.0	5.7	MUY VASTA
Coyomeapan	6.2	2.6	3.3	2.7	1143.8	1238.8	346.6	27.0	901.5	3.7	EXTREMADAMENTE VASTA
Coyotepec	3.3	0.4	1.5	0.5	842.5	459.7	561.6	26.0	1521.8	5.0	VASTA
Cuapiaxtla de Madero	4.2	1.5	2.1	1.4	257.9	185.0	122.8	20.0	401.7	4.4	MUY SEVERA
Cuautempan	4.1	2.5	2.7	1.6	568.1	358.2	210.4	15.0	1186.3	4.3	MUY SEVERA
Cuautinchan	4.5	1.4	2.2	1.2	277.2	216.8	126.0	17.0	595.2	4.7	MUY SEVERA
Cuautlancingo	3.7	1.7	1.9	1.3	223.1	224.9	117.4	13.0	724.1	4.7	SEVERA
Cuayuca de Andrade	3.8	1.2	2.4	1.7	306.7	253.0	127.7	19.0	515.9	3.6	MUY SEVERA
Cuetzalan del Progreso	2.7	0.9	1.5	0.6	406.6	328.2	271.0	12.0	1840.9	4.9	SEVERA
Cuyoaco	3.2	1.4	2.1	1.3	177.8	159.8	84.6	18.0	300.4	4.9	MUY SEVERA
Chalchicomula de Sesma	4.6	2.9	2.8	2.1	390.2	402.3	139.3	20.0	548.4	4.3	MUY SEVERA
Chapulco	4.0	1.2	2.0	1.0	209.6	167.8	104.8	25.0	312.2	4.7	MUY VASTA
Chiautla	4.4	3.0	2.1	1.3	426.3	374.8	203.0	25.0	506.9	4.6	MUY VASTA
Chiautzingo	4.6	1.7	1.7	0.9	302.8	322.2	178.1	22.0	621.7	8.4	VASTA
Chiconcuautla	2.5	0.5	2.0	0.8	906.4	477.7	453.2	20.0	1710.7	4.9	MUY SEVERA
Chichiquila	3.5	1.2	2.1	1.3	585.0	570.8	278.5	16.0	1372.9	4.1	MUY SEVERA
Chietla	5.1	3.3	3.0	2.2	350.6	225.8	116.8	14.0	603.7	4.8	EXTREMADAMENTE SEVERA
Chigmecatitán	3.3	0.4	1.5	0.5	842.5	459.7	561.6	26.0	1521.8	5.0	VASTA
Chignahuapan	3.4	0.9	1.6	0.6	176.6	103.1	110.3	16.0	589.3	6.9	SEVERA
Chignautla	4.6	2.4	1.5	0.5	417.5	274.2	278.3	20.0	1058.4	7.2	SEVERA
Chila	4.5	1.4	2.6	1.6	332.4	278.6	127.8	16.0	606.2	4.1	MUY SEVERA
Chila de la Sal	5.4	3.2	3.1	2.4	628.4	501.2	202.7	21.0	785.5	3.9	EXTREMADAMENTE VASTA
Honey	3.3	1.2	2.0	1.2	583.5	345.2	291.7	15.0	1624.0	3.2	MUY SEVERA
Chilchotla	3.6	1.2	2.5	2.5	614.2	968.4	245.6	19.0	1027.4	4.3	MUY SEVERA
Chinantla	4.5	1.4	2.6	1.6	332.4	278.6	127.8	16.0	606.2	4.1	MUY SEVERA
Domingo Arenas	4.6	1.7	1.7	0.9	302.8	322.2	178.1	22.0	621.7	8.4	VASTA
Eloxochitán	4.7	1.6	2.6	1.7	697.5	605.0	268.2	14.0	1382.6	4.0	MUY SEVERA
Epatlán	4.8	1.5	2.4	1.4	354.1	280.2	147.5	19.0	611.5	5.7	MUY SEVERA
Esperanza	3.6	1.4	1.5	0.4	228.7	103.6	152.4	21.0	557.0	5.6	VASTA
Francisco Z. Mena	3.7	1.2	1.9	1.0	721.3	263.3	379.6	20.0	1494.8	4.3	SEVERA

Tabla C.159. Características de la sequía promedio de cada municipio del estado de Puebla.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica		
	Periodicidad	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS	Intensidad			% de IS	Huvia disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año) respecto a X _o	Hp disp (mm)	Hp disp S(mm)					
General Felipe Angeles	3.8	1.8	2.1	0.9	259.7	186.5	123.6	19.0	523.2	4.4	MUY SEVERA			
Guadalupe	4.5	1.4	2.6	1.6	332.4	278.6	127.8	16.0	646.2	4.1	MUY SEVERA			
Guadalupe Victoria	3.7	1.2	2.1	1.1	155.5	129.8	74.0	16.0	363.1	4.7	MUY SEVERA			
Hermenegildo Galeana	3.7	1.4	1.7	1.2	935.0	708.2	550.0	17.0	252.7	5.0	SEVERA			
Huaquechula	4.3	1.9	2.1	1.3	282.0	291.3	134.2	17.0	642.7	5.9	MUY SEVERA			
Huattlatlauc	3.3	0.4	1.5	0.5	842.5	459.7	561.6	26.0	152.8	5.0	VASTA			
Huachinango	2.7	0.8	1.4	0.6	495.0	300.5	353.5	18.0	1580.8	6.8	SEVERA			
Huehuetla	3.7	1.7	2.7	2.9	1920.4	3374.1	711.2	18.0	3077.6	4.6	MUY SEVERA			
Huehuetlán en Chico	4.4	3.0	2.1	1.3	426.3	374.8	203.0	25.0	598.9	4.6	MUY VASTA			
Huejotzingo	4.6	1.7	1.7	0.9	302.8	322.2	178.1	22.0	621.7	8.4	VASTA			
Hueyapan	6.0	1.0	2.3	1.2	1257.3	1370.5	546.6	16.0	2781.4	8.1	MUY SEVERA			
Hueytamalco	4.3	1.9	3.1	2.8	1287.5	1788.7	415.3	16.0	2164.1	3.5	EXTREMADAMENTE SEVERA			
Hueytlalpan	4.5	2.5	1.7	1.1	578.7	340.8	340.4	14.0	2066.5	5.9	SEVERA			
Huitzilán de Serdán	5.1	2.1	2.8	1.4	874.4	870.8	312.2	15.0	1719.5	4.3	MUY SEVERA			
Huitziltepec	3.3	0.4	1.5	0.5	842.5	459.7	561.6	26.0	152.8	5.0	VASTA			
Attequizayan	4.5	2.5	1.7	1.1	578.7	340.8	340.4	14.0	2066.5	5.9	SEVERA			
Ixcamilpa de Guerrero	5.3	3.1	2.1	1.2	299.4	172.0	142.5	18.0	635.4	6.6	MUY SEVERA			
Ixcaquixtla	3.3	0.4	1.5	0.5	842.5	459.7	561.6	26.0	152.8	5.0	VASTA			
Ixtacamaxtitán	4.4	0.4	2.2	0.9	273.2	212.0	124.1	16.0	618.6	6.0	MUY SEVERA			
Ixtepe	4.5	2.5	1.7	1.1	578.7	340.8	340.4	14.0	2066.5	5.9	SEVERA			
Izúcar de Matamoros	3.9	1.7	2.2	1.6	273.1	178.6	124.1	15.0	683.0	4.6	MUY SEVERA			
Jalpan	3.7	1.2	1.9	1.0	721.3	263.3	379.6	20.0	1494.8	4.3	SEVERA			
Jolalpan	4.4	3.0	2.1	1.3	426.3	374.8	203.0	25.0	598.9	4.6	MUY VASTA			
Jonotla	3.2	1.1	1.7	0.9	480.3	455.3	282.5	14.0	1732.9	5.1	SEVERA			
Jopela	3.7	1.4	1.7	1.2	935.0	708.2	550.0	17.0	252.7	6.0	SEVERA			
Juan C. Bonilla	3.7	1.7	1.9	1.3	223.1	224.9	117.4	13.0	724.1	4.7	SEVERA			
Juan Galindo	3.3	1.2	1.5	0.5	702.2	134.9	468.1	21.0	1663.9	4.6	VASTA			
Juan N. Méndez	3.3	0.4	1.5	0.5	842.5	459.7	561.6	26.0	152.8	5.0	VASTA			
Lafragua	3.7	1.2	2.1	1.1	155.5	129.8	74.0	16.0	363.1	4.7	MUY SEVERA			
Libres	4.0	1.0	2.6	0.9	173.5	49.4	66.7	14.0	386.5	1.6	MUY SEVERA			
Magdalena Tlacuahuatl	3.3	0.4	1.5	0.5	842.5	459.7	561.6	26.0	152.8	5.0	VASTA			
Mazapiltepec de Juárez	3.2	0.9	2.0	1.1	240.9	160.3	120.4	18.0	527.8	5.1	MUY SEVERA			

Tabla C.159. Características de la sequía promedio de cada municipio del estado de Puebla.

Municipio	Características promedio de la sequía meteorológica municipal									Tr(años)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	Nuvia disponible		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año) respecto a X _o	H _p disp S(mm)	H _p disp S(mm)		
Mixtla	4.0	0.9	1.9	1.0	228.3	92.5	120.1	17.0	567.8	4.5	SEVERA
Molcaxac	3.3	0.4	1.5	0.5	842.5	459.7	561.6	26.0	1521.8	5.0	VASTA
Cañada Morelos	4.8	1.0	2.3	1.0	288.3	113.8	125.3	27.0	327.0	4.4	MUY VASTA
Naupan	3.3	1.2	2.0	1.2	563.5	345.2	291.7	15.0	1624.0	3.2	MUY SEVERA
Nauzontla	5.1	2.1	2.8	1.4	874.4	870.8	312.2	15.0	1719.5	4.3	MUY SEVERA
Nealtican	4.6	1.7	1.7	0.9	302.8	322.2	178.1	22.0	621.7	8.4	VASTA
Nicolás Bravo	3.5	1.6	2.0	1.1	209.7	170.1	104.8	19.0	439.7	4.2	MUY SEVERA
Nopalucan	3.9	1.7	2.1	1.4	298.2	241.0	142.0	19.0	590.0	4.9	MUY SEVERA
Ocotepec	3.2	1.4	2.1	1.3	177.8	159.8	84.6	18.0	380.4	4.9	MUY SEVERA
Ocoyucan	4.2	1.0	2.3	1.1	243.9	204.8	106.0	12.0	761.5	6.1	MUY SEVERA
Olintia	3.7	1.7	2.7	2.9	1920.4	3374.1	711.2	18.0	3077.6	4.6	MUY SEVERA
Oriental	5.0	2.4	2.0	0.7	466.1	331.3	233.0	14.0	1325.3	3.6	MUY SEVERA
Pahuatlán	3.3	1.2	2.0	1.2	583.5	345.2	291.7	15.0	1624.0	3.2	MUY SEVERA
Palmar de Bravo	5.5	2.5	2.6	1.2	229.5	99.4	88.2	21.0	313.8	5.8	MUY VASTA
Pantepic	3.7	1.2	1.9	1.0	721.3	263.3	379.6	20.0	1494.8	4.3	SEVERA
Petlatcingo	4.5	1.4	2.6	1.6	332.4	278.6	127.8	16.0	646.2	4.1	MUY SEVERA
Pixtla	4.5	1.4	2.6	1.6	332.4	278.6	127.8	16.0	646.2	4.1	MUY SEVERA
Puebla	3.8	1.1	1.9	1.1	220.1	183.0	115.8	14.0	700.0	4.8	SEVERA
Quecholac	3.3	1.0	1.6	0.7	153.1	55.1	95.6	17.0	446.3	6.1	SEVERA
Quimixtlán	3.5	1.2	2.1	1.3	585.0	570.8	278.5	16.0	1372.9	4.1	MUY SEVERA
Rafael Lara Grajales	3.9	1.7	2.1	1.4	298.2	241.0	142.0	19.0	590.0	4.9	MUY SEVERA
Reyes de Juárez, Los	3.8	1.1	1.8	0.9	251.9	238.1	139.9	20.0	544.0	4.8	SEVERA
San Andrés Cholula	4.6	2.2	2.2	1.0	329.7	227.8	149.8	17.0	724.3	5.4	MUY SEVERA
San Antonio Cañada	6.7	3.1	3.7	3.6	453.2	529.8	122.4	15.0	674.2	4.3	EXTREMADAMENTE SEVERA
San Diego la Mesa Tochimilzingo	4.8	1.5	2.4	1.4	354.1	280.2	147.5	19.0	611.5	5.7	MUY SEVERA
San Felipe Teotlalcingo	4.6	1.7	1.7	0.9	302.8	322.2	178.1	22.0	621.7	8.4	VASTA
San Felipe Tepatlán	6.6	1.2	2.5	1.5	1136.6	841.8	454.6	27.0	1175.0	8.3	MUY VASTA
San Gabriel Chilac	4.4	1.4	2.6	1.4	256.4	128.0	98.6	30.0	220.1	4.1	MUY VASTA
San Gregorio Atzompa	4.2	1.0	2.3	1.1	243.9	204.8	106.0	12.0	761.5	6.1	MUY SEVERA
San Jerónimo Tecuaniapan	4.2	1.0	2.3	1.1	243.9	204.8	106.0	12.0	761.5	6.1	MUY SEVERA
San Jerónimo Xayacatlán	4.5	1.4	2.6	1.6	332.4	278.6	127.8	16.0	646.2	4.1	MUY SEVERA
San José Chiapa	5.0	2.4	2.0	0.7	466.1	331.3	233.0	14.0	1325.3	3.6	MUY SEVERA

Tabla C.159. Características de la sequía promedio de cada municipio del estado de Puebla.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	lluvia disponible	Hp disp		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s	S(mm)	Hp disp S(mm)		
San José Miahuatlán	5.2	2.1	3.5	2.1	488.4	322.2	139.5	21.0	504.0	3.0	EXTREMADAMENTE VASTA	
San Juan Atenco	2.7	0.4	1.6	1.1	183.6	98.8	114.7	18.0	504.3	2.2	SEVERA	
San Juan Atzompa	3.3	0.4	1.5	0.5	842.5	459.7	561.6	26.0	1521.8	5.0	VASTA	
San Martín Texmelucan	4.6	1.7	1.7	0.9	302.8	322.2	178.1	22.0	621.7	8.4	VASTA	
San Martín Tlaxiotepec	4.8	1.5	2.4	1.4	354.1	280.2	147.5	19.0	611.5	5.7	MUY SEVERA	
San Matías Tlalancaleca	4.6	1.7	1.7	0.9	302.8	322.2	178.1	22.0	621.7	8.4	VASTA	
San Miguel Ixtitlán	4.5	1.4	2.6	1.6	332.4	278.6	127.8	16.0	646.2	4.1	MUY SEVERA	
San Miguel Xoxitla	4.6	1.7	1.7	0.9	302.8	322.2	178.1	22.0	621.7	8.4	VASTA	
San Nicolás Buenos Aires	5.0	2.4	2.0	0.7	466.1	331.3	233.0	14.0	1325.3	3.6	MUY SEVERA	
San Nicolás de los Ranchos	4.6	1.7	1.7	0.9	302.8	322.2	178.1	22.0	621.7	8.4	VASTA	
San Pablo Anciano	4.5	1.4	2.6	1.6	332.4	278.6	127.8	16.0	646.2	4.1	MUY SEVERA	
San Pedro Cholula	3.7	1.7	1.9	1.3	223.1	224.9	117.4	13.0	724.1	4.7	SEVERA	
San Pedro Yeloixtlahuaca	4.5	1.4	2.6	1.6	332.4	278.6	127.8	16.0	646.2	4.1	MUY SEVERA	
San Salvador el Seco	2.7	0.4	1.6	1.1	183.6	98.8	114.7	18.0	504.3	2.2	SEVERA	
San Salvador el Verde	4.6	1.7	1.7	0.9	302.8	322.2	178.1	22.0	621.7	8.4	VASTA	
San Salvador Huixcolotla	4.2	1.5	2.1	1.4	257.9	185.0	122.8	20.0	481.7	4.4	MUY SEVERA	
San Sebastián Tlaxiotepec	4.7	1.6	2.6	1.7	697.5	605.0	268.2	14.0	1582.6	4.0	MUY SEVERA	
Santa Catarina Tlaxiempán	3.3	0.4	1.5	0.5	842.5	459.7	561.6	26.0	1521.8	5.0	VASTA	
Santa Inés Ahuatempan	4.1	1.6	2.3	1.5	265.1	275.9	115.2	18.0	500.3	5.2	MUY SEVERA	
Santa Isabel Cholula	4.2	1.0	2.3	1.1	243.9	204.8	106.0	12.0	761.5	6.1	MUY SEVERA	
Santiago Miahuatlán	4.5	1.8	2.1	1.2	234.0	134.8	111.4	28.0	284.2	5.0	MUY VASTA	
Huehuetlán el Grande	3.8	1.8	2.0	1.4	238.8	209.4	119.4	15.0	672.5	4.1	MUY SEVERA	
Santo Tomás Hueyotlipán	4.0	0.9	1.9	1.0	228.3	92.5	120.1	17.0	567.8	4.5	SEVERA	
Sohtepec	3.2	0.9	2.0	1.1	240.9	160.3	120.4	18.0	527.8	5.1	MUY SEVERA	
Tecali de Herrera	4.0	0.9	1.9	1.0	228.3	92.5	120.1	17.0	567.8	4.5	SEVERA	
Tecamachalco	3.6	1.2	2.0	1.1	260.6	292.4	130.3	23.0	422.8	4.1	MUY VASTA	
Tecomatlán	4.5	1.4	2.6	1.6	332.4	278.6	127.8	16.0	646.2	4.1	MUY SEVERA	
Tehuacán	4.5	1.8	2.1	1.2	234.0	134.8	111.4	28.0	284.2	5.0	MUY VASTA	
Tehuizingo	4.6	2.9	2.7	1.7	379.8	398.5	140.6	16.0	715.4	3.7	MUY SEVERA	
Tenampulco	4.5	1.3	2.3	1.2	733.9	649.2	319.0	16.0	1674.6	4.5	MUY SEVERA	
Teopantlán	3.3	0.4	1.5	0.5	842.5	459.7	561.6	26.0	1521.8	5.0	VASTA	
Teotlalco	4.4	3.0	2.1	1.3	426.3	374.8	203.0	25.0	598.9	4.6	MUY VASTA	

Tabla C.159. Características de la sequía promedio de cada municipio del estado de Puebla.

Municipio	Características promedio de la sequía meteorológica municipal								Lluvia disponible Hp disp S(mm)	Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a Xc			
Tepanco de López	4.5	1.8	2.1	1.2	234.0	134.8	111.4	28.0	284.2	5.0	MUY VASTA
Tepango de Rodríguez	6.6	1.2	2.5	1.5	1136.6	841.8	454.6	27.0	1175.0	8.3	MUY VASTA
Tepatlaxco de Hidalgo	3.9	1.7	2.1	1.4	298.2	241.0	142.0	19.0	590.0	4.9	MUY SEVERA
Tepeaca	3.8	1.1	1.8	0.9	251.9	238.1	139.9	20.0	544.0	4.8	SEVERA
Tepeaxalco	4.8	1.5	2.4	1.4	354.1	280.2	147.5	19.0	611.5	5.7	MUY SEVERA
Tepeojuma	4.8	1.5	2.4	1.4	354.1	280.2	147.5	19.0	611.5	5.7	MUY SEVERA
Tepetzintla	4.1	2.3	2.0	1.1	468.6	469.6	234.3	24.0	720.2	5.3	MUY VASTA
Tepexco	4.0	1.7	1.9	1.0	189.6	153.0	99.7	13.0	657.1	5.4	SEVERA
Tepexi de Rodríguez	3.3	0.4	1.5	0.5	842.5	459.7	561.6	26.0	1521.8	5.0	VASTA
Tepeyahualco	4.1	1.6	2.5	1.6	240.7	247.7	96.2	17.0	458.4	5.2	MUY SEVERA
Tepeyahualco de Cuauhtémoc	4.4	1.4	2.5	1.2	301.8	242.9	120.7	23.0	387.2	4.1	MUY VASTA
Tetela de Ocampo	4.2	1.3	2.0	0.9	312.4	158.4	156.1	19.0	655.7	3.6	MUY SEVERA
Teteles de Avila Castillo	6.0	1.0	2.3	1.2	1257.3	1370.5	546.6	16.0	2781.4	8.1	MUY SEVERA
Teziutlán	6.2	2.9	2.9	3.2	897.1	1079.7	309.3	15.0	1704.5	6.9	MUY SEVERA
Tianguismanalco	4.2	1.0	2.3	1.1	243.9	204.8	106.0	12.0	761.5	6.1	MUY SEVERA
Tilapa	4.0	1.7	1.9	1.0	189.6	153.0	99.7	13.0	657.1	5.4	SEVERA
Tlacotepec de Benito Juárez	4.5	1.8	2.4	1.6	257.5	183.9	107.2	22.0	379.4	4.3	MUY VASTA
Tlacuilotepec	3.7	1.2	1.9	1.0	721.3	263.3	379.6	20.0	1494.8	4.3	SEVERA
Tlachichuca	4.5	1.6	2.6	1.5	275.0	240.0	105.7	15.0	577.9	5.4	MUY SEVERA
Tlahuapan	4.6	1.7	1.7	0.9	302.8	322.2	178.1	22.0	621.7	8.4	VASTA
Tlaltenango	4.6	1.7	1.7	0.9	302.8	322.2	178.1	22.0	621.7	8.4	VASTA
Tlanepantla	4.0	0.9	1.9	1.0	228.3	92.5	120.1	17.0	567.8	4.5	SEVERA
Tlaola	3.3	1.2	1.7	0.8	633.9	266.5	372.8	20.0	1440.5	3.5	SEVERA
Tlapacoya	3.3	1.2	1.7	0.8	654.7	487.9	391.0	20.0	1548.9	4.2	SEVERA
Tlapanalá	4.8	1.5	2.4	1.4	354.1	280.2	147.5	19.0	611.5	5.7	MUY SEVERA
Tlaltlauquitepec	3.7	1.7	2.3	1.1	401.8	245.9	174.6	17.0	832.5	3.9	MUY SEVERA
Tlaxco	3.7	1.2	1.9	1.0	721.3	263.3	379.6	20.0	1494.8	4.3	SEVERA
Tochimilco	4.3	1.9	2.1	1.3	282.0	291.3	134.2	17.0	642.7	5.9	MUY SEVERA
Tochtepec	3.6	1.2	2.0	1.1	260.6	292.4	130.3	23.0	422.8	4.1	MUY VASTA
Totoltepec de Guerrero	4.1	1.6	2.3	1.5	265.1	275.9	115.2	18.0	500.3	5.2	MUY SEVERA
Tulcingo	4.5	1.4	2.6	1.6	332.4	278.6	127.8	16.0	646.2	4.1	MUY SEVERA
Tuzamapan de Galeana	3.3	1.2	1.5	0.8	832.1	594.9	554.7	30.0	1242.6	4.9	VASTA

Tabla C.159. Características de la sequía promedio de cada municipio del estado de Puebla.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad Per(S(años))	DevStd DS(años)	PerS (años)	Duración DS(años)	DevStd DS(años)	DS (años)	Severidad DevStd SS(mm)	DevStd SS (mm)	Intensidad IS(mm/año)	% de IS respecto a X _c		
Tzicatlacoyan	3.9	0.8	2.6	1.2	304.6	381.1	117.1	18.0	500.0	3.9	MUY SEVERA	
Venustiano Carranza	3.7	1.2	1.9	1.0	721.3	263.3	379.6	20.0	1494.8	4.3	SEVERA	
Vicente Guerrero	5.2	0.7	2.1	1.3	376.7	180.4	179.3	20.0	692.9	5.3	MUY SEVERA	
Xayacatlán de Bravo	4.1	1.6	2.3	1.5	265.1	275.9	115.2	18.0	500.0	5.2	MUY SEVERA	
Xicotepec	3.3	1.2	1.2	0.4	580.5	368.9	483.7	26.0	1344.5	4.4	VASTA	
Xicotlán	6.0	3.0	3.2	1.8	526.6	416.2	164.5	19.0	698.5	4.1	EXTREMADAMENTE SEVERA	
Xiutetelco	4.6	2.4	1.5	0.5	417.5	274.2	278.3	20.0	1058.4	7.2	SEVERA	
Xochiapulco	4.1	2.4	2.5	1.9	669.5	596.6	267.7	19.0	1106.5	4.1	MUY SEVERA	
Chochilitapac	4.8	1.5	2.4	1.4	354.1	280.2	147.5	19.0	611.5	5.7	MUY SEVERA	
Xochitlán de Vicente Suárez	5.1	2.1	2.8	1.4	874.4	870.8	312.2	15.0	1719.5	4.3	MUY SEVERA	
Xochitlán Todos Santos	4.4	1.4	2.5	1.2	301.8	242.9	120.7	23.0	387.2	4.1	MUY VASTA	
Yaonáhuac	6.0	1.0	2.3	1.2	1257.3	1370.5	546.6	16.0	2781.4	8.1	MUY SEVERA	
Yehuatltepec	4.4	1.4	2.5	1.2	301.8	242.9	120.7	23.0	387.2	4.1	MUY VASTA	
Zacapala	3.3	0.4	1.5	0.5	842.5	459.7	561.6	26.0	1521.0	5.0	VASTA	
Zacapoxtla	3.8	1.7	2.0	1.3	728.2	615.4	364.1	13.0	2385.5	4.8	MUY SEVERA	
Zacatlán	4.6	2.3	2.2	1.3	572.4	546.0	260.1	26.0	716.9	5.9	MUY VASTA	
Zapotlán	4.0	1.8	1.7	1.1	152.9	77.7	89.9	22.0	306.0	5.3	VASTA	
Zapotlán de Méndez	4.5	2.5	1.7	1.1	578.7	340.8	340.4	14.0	2066.5	5.9	SEVERA	
Zaragoza	3.8	1.0	2.7	1.0	738.1	425.3	273.3	15.0	1525.5	3.6	MUY SEVERA	
Zautla	3.6	1.6	2.2	1.3	394.0	190.6	179.0	27.0	475.8	4.2	MUY VASTA	
Zihuateutla	3.3	1.2	1.2	0.4	580.5	368.9	483.7	26.0	1344.5	4.4	VASTA	
Zinacatlapepec	5.2	2.9	2.3	1.3	219.8	61.6	95.5	26.0	262.0	5.7	MUY VASTA	
Zongozotla	5.1	3.3	2.4	3.1	947.9	1728.8	394.9	20.0	1512.5	2.1	MUY SEVERA	
Zoquiapan	3.2	1.1	1.7	0.9	480.3	455.3	282.5	14.0	1732.9	5.1	SEVERA	
Zoquiután	4.7	1.6	2.6	1.7	697.5	605.0	268.2	14.0	1582.6	4.0	MUY SEVERA	
Estatad	5.8	4.3	3.9	2.4	867.7	805.8	222.4	19.0	946.9	3.6	EXTREMADAMENTE SEVERA	

Tabla C.159. Características de la sequía promedio de cada municipio del estado de Puebla.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de $I / máx$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_o	$I(máx(mm/año))$	$D(máx(años))$	respecto a X_o	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Acejetla	897.0	5.0	179.4	24.0	188.4	1.0	25.0	45.4	27.2	0.0	18.1	9.0	0.0	0.0	0.0	0.0	0.0
Acateno	1442.1	2.0	721.0	18.0	721.0	2.0	18.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acatlán	889.6	6.0	148.2	19.0	331.3	1.0	42.0	35.7	14.2	28.5	0.0	14.2	7.1	0.0	0.0	0.0	0.0
Acatzingo	555.8	6.0	92.6	15.0	220.2	2.0	36.0	36.3	36.3	18.1	0.0	0.0	9.0	0.0	0.0	0.0	0.0
Acteopan	960.0	4.0	240.0	30.0	240.0	4.0	30.0	50.0	20.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
Ahuacatlán	2164.9	4.0	541.2	33.0	551.4	1.0	33.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
Ahuatlán	845.7	5.0	169.1	22.0	211.0	4.0	27.0	44.4	0.0	33.3	11.1	11.1	0.0	0.0	0.0	0.0	0.0
Ahuazotepec	259.5	2.0	129.7	29.0	129.7	2.0	29.0	0.0	66.6	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0
Ahuehuetlilla	889.6	6.0	148.2	19.0	331.3	1.0	42.0	35.7	14.2	28.5	0.0	14.2	7.1	0.0	0.0	0.0	0.0
Ajalpan	1761.0	7.0	251.5	13.0	507.5	3.0	27.0	25.0	37.5	25.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0
Albino Zertuche	1298.5	5.0	259.7	30.0	259.7	5.0	30.0	27.2	18.1	0.0	18.1	27.2	9.0	0.0	0.0	0.0	0.0
Aljojuca	324.9	1.0	324.9	52.0	324.9	1.0	52.0	66.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Altepeixi	496.4	3.0	165.4	51.0	188.7	2.0	59.0	20.0	30.0	30.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0
Amixtlán	2164.9	4.0	541.2	33.0	551.4	1.0	33.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
Amozoc	736.2	4.0	184.0	22.0	227.2	3.0	28.0	40.0	20.0	10.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0
Aquixtla	483.6	2.0	241.8	36.0	241.8	2.0	36.0	16.6	50.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Atempan	1298.7	3.0	432.9	35.0	432.9	3.0	35.0	40.0	30.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Atexcal	857.3	4.0	214.3	43.0	214.3	4.0	43.0	37.5	37.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Atlixco	960.0	4.0	240.0	30.0	240.0	4.0	30.0	50.0	20.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
Atoyatepan	1312.2	5.0	262.4	44.0	262.4	5.0	44.0	16.6	58.3	16.6	0.0	8.3	0.0	0.0	0.0	0.0	0.0
Atzala	736.8	5.0	147.3	18.0	255.7	1.0	32.0	45.4	27.2	18.1	0.0	9.0	0.0	0.0	0.0	0.0	0.0
Atzitzihuacán	960.0	4.0	240.0	30.0	240.0	4.0	30.0	50.0	20.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
Atzizintla	416.8	2.0	208.4	29.0	321.9	1.0	45.0	42.8	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Axutla	1871.0	8.0	233.8	24.0	367.8	3.0	39.0	33.3	16.6	25.0	0.0	8.3	0.0	0.0	16.6	0.0	0.0
Ayotoxco de G.	1120.6	2.0	560.3	26.0	560.3	2.0	26.0	55.5	33.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Calpan	1145.2	4.0	286.3	35.0	507.9	1.0	63.0	50.0	30.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Caltepec	807.4	4.0	201.8	42.0	217.6	2.0	45.0	12.5	62.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Camocuautla	2164.9	4.0	541.2	33.0	551.4	1.0	33.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
Caxhuacan	943.2	4.0	235.8	9.0	931.4	1.0	38.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Coatepec	1280.2	2.0	640.1	22.0	1227.2	1.0	44.0	75.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Coatzacoahuaca	1633.3	2.0	816.6	39.0	816.6	2.0	39.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cohetzala	522.3	2.0	261.1	33.0	261.1	2.0	33.0	28.5	57.1	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0

Tabla C.160. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Puebla.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad S máx(mm)	Duración D máx(años)	I ^m (mm/año)	% de I ^m respecto a X _c	Intensidad I máx(mm/año)	Duración I máx D I máx(años)	% de I máx respecto a X _c	1 año (%)	2 años (%)	3 años (%)	4 años (%)	5 años (%)	6 años (%)	7 años (%)	8 años (%)	9 años (%)	10 años (%)
Cohuecan	960.0	4.0	240.0	30.0	240.0	4.0	30.0	50.0	20.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
Coronango	723.1	6.0	120.5	14.0	259.0	2.0	30.0	53.8	23.0	15.3	0.0	0.0	7.6	0.0	0.0	0.0	0.0
Coxcatlán	336.1	5.0	67.2	18.0	161.1	1.0	45.0	20.0	60.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Coyomeapan	3205.5	8.0	400.6	32.0	400.6	8.0	32.0	40.0	20.0	0.0	0.0	20.0	0.0	0.0	20.0	0.0	0.0
Coyotepec	1633.3	2.0	816.6	39.0	816.6	2.0	39.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cuapixtla de M	555.8	6.0	92.6	15.0	220.2	2.0	36.0	36.3	36.3	18.1	0.0	0.0	9.0	0.0	0.0	0.0	0.0
Cuatemanpan	1025.6	4.0	256.4	18.0	495.9	2.0	35.0	25.0	37.5	0.0	25.0	0.0	12.5	0.0	0.0	0.0	0.0
Cuatintlán	844.1	4.0	211.0	29.0	220.5	1.0	30.0	40.0	20.0	10.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0
Cuatlancingo	723.1	6.0	120.5	14.0	259.0	2.0	30.0	53.8	23.0	15.3	0.0	0.0	7.6	0.0	0.0	0.0	0.0
Cuayuca de A	995.2	5.0	199.0	29.0	293.6	1.0	44.0	50.0	16.6	0.0	15.6	8.3	8.3	0.0	0.0	0.0	0.0
Cuetzalan del P	1120.6	2.0	560.3	26.0	560.3	2.0	26.0	55.5	33.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cuyoaco	444.9	2.0	222.4	47.0	222.4	2.0	47.0	50.0	16.6	0.0	38.3	0.0	0.0	0.0	0.0	0.0	0.0
Chalchicomula S	1275.9	7.0	182.2	26.0	182.2	7.0	26.0	44.4	11.1	11.1	11.1	0.0	11.1	11.1	0.0	0.0	0.0
Chapulco	607.0	5.0	121.4	29.0	208.0	2.0	49.0	33.3	50.0	8.3	0.0	8.3	0.0	0.0	0.0	0.0	0.0
Chiantla	1359.0	3.0	453.0	56.0	525.4	1.0	65.0	50.0	20.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
Chiautzingo	1145.2	4.0	286.3	35.0	507.9	1.0	63.0	50.0	30.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Chiconcuautla	1552.2	3.0	517.4	23.0	517.4	3.0	23.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chichiquila	1842.6	5.0	368.5	22.0	629.9	1.0	38.0	42.8	28.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Chietla	703.2	3.0	234.4	29.0	314.0	1.0	39.0	41.6	8.3	16.6	8.3	8.3	8.3	0.0	8.3	0.0	0.0
Chigmecatitlán	1633.3	2.0	816.6	39.0	816.6	2.0	39.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chignahuapan	394.5	2.0	197.3	29.0	257.6	1.0	37.0	50.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chignautla	698.0	2.0	349.0	26.0	684.4	1.0	51.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chila	889.6	6.0	148.2	19.0	331.3	1.0	42.0	35.7	14.2	28.5	0.0	14.2	7.1	0.0	0.0	0.0	0.0
Chila de la Sal	1871.0	8.0	233.8	24.0	367.8	3.0	39.0	33.3	16.6	25.0	0.0	8.3	0.0	0.0	16.6	0.0	0.0
Honey	1135.5	4.0	283.8	14.0	571.3	1.0	29.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Chichotla	2767.0	8.0	345.8	27.0	345.8	8.0	27.0	66.6	0.0	16.6	0.0	0.0	0.0	0.0	16.6	0.0	0.0
Chinantla	889.6	6.0	148.2	19.0	331.3	1.0	42.0	35.7	14.2	28.5	0.0	14.2	7.1	0.0	0.0	0.0	0.0
Domingo Arenas	1145.2	4.0	286.3	35.0	507.9	1.0	63.0	50.0	30.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Elocochitlán	1761.0	7.0	251.5	13.0	507.5	3.0	27.0	25.0	37.5	25.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0
Epatlán	845.7	5.0	169.1	22.0	211.0	4.0	27.0	44.4	0.0	33.3	11.1	11.1	0.0	0.0	0.0	0.0	0.0
Esperanza	416.8	2.0	208.4	29.0	321.9	1.0	45.0	42.8	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fco Z. Mena	1209.3	4.0	302.3	16.0	687.4	1.0	36.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.160. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Puebla.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I^*	Intensidad	Duración / $m\acute{a}x$	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I^*(mm/a\acute{o})$	respecto a X_c	$I^*(mm/a\acute{o})$	$D_{m\acute{a}x}(a\acute{o}s)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
General F. A.	732.1	4.0	183.0	28.0	210.1	2.0	32.0	27.2	36.3	27.2	9.0	0.0	0.0	0.0	0.0	0.0	0.0
Guadalupe	889.6	6.0	148.2	19.0	331.3	1.0	42.0	35.7	14.2	28.5	0.0	14.2	7.1	0.0	0.0	0.0	0.0
Guadalupe V	337.1	2.0	168.5	38.0	168.5	2.0	38.0	40.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Hermenegildo G	2280.5	4.0	570.1	18.0	1509.7	1.0	49.0	75.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Huaquechula	960.0	4.0	240.0	30.0	240.0	4.0	30.0	50.0	20.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
Huatlatlauca	1633.3	2.0	816.6	39.0	816.6	2.0	39.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Huachinango	942.6	1.0	942.6	48.0	942.6	1.0	48.0	66.6	25.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Huehuetla	12068.6	11.0	1097.1	28.0	1097.1	11.0	28.0	54.5	18.1	9.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0
Huehuetlán Ch	1359.0	3.0	453.0	56.0	525.4	1.0	65.0	50.0	20.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
Huejotzingo	1145.2	4.0	286.3	35.0	507.9	1.0	63.0	50.0	30.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Hueyapan	3194.9	4.0	798.7	23.0	798.7	4.0	23.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Hueytamalco	5429.3	9.0	603.2	23.0	603.2	9.0	23.0	42.8	28.5	0.0	0.0	0.0	14.2	0.0	0.0	14.2	0.0
Hueytlalpan	943.2	4.0	235.8	9.0	931.4	1.0	38.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Huitzilán Serdán	2737.3	5.0	547.4	26.0	547.4	5.0	26.0	28.5	14.2	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0
Huitziltepec	1633.3	2.0	816.6	39.0	816.6	2.0	39.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atlequizayan	943.2	4.0	235.8	9.0	931.4	1.0	38.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Ixcamilpa de G	522.3	2.0	261.1	33.0	261.1	2.0	33.0	28.5	57.1	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Ixcaquixtla	1633.3	2.0	816.6	39.0	816.6	2.0	39.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ixtacamaxtitlán	647.1	2.0	323.5	43.0	323.5	2.0	43.0	25.0	37.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Ixtepe	943.2	4.0	235.8	9.0	931.4	1.0	38.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Izúcar de Mat	697.9	6.0	116.3	14.0	219.8	1.0	27.0	54.5	9.0	9.0	18.1	0.0	9.0	0.0	0.0	0.0	0.0
Jaipán	1209.3	4.0	302.3	16.0	687.4	1.0	36.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Jolalpan	1359.0	3.0	453.0	56.0	525.4	1.0	65.0	50.0	20.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
Jonotla	1621.0	4.0	405.2	20.0	405.2	4.0	20.0	50.0	37.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Jopala	2280.5	4.0	570.1	18.0	1509.7	1.0	49.0	75.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Juan C. Bonilla	723.1	6.0	120.5	14.0	259.0	2.0	30.0	53.8	23.0	15.3	0.0	0.0	7.8	0.0	0.0	0.0	0.0
Juan Galindo	856.3	1.0	856.3	40.0	856.3	1.0	40.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Juan N. Méndez	1633.3	2.0	816.6	39.0	816.6	2.0	39.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lafragua	337.1	2.0	168.5	38.0	168.5	2.0	38.0	40.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Libres	242.5	2.0	121.2	26.0	121.2	2.0	26.0	0.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Magdalena T, La	1633.3	2.0	816.6	39.0	816.6	2.0	39.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mazapiltepec J	428.9	4.0	107.2	16.0	425.5	1.0	65.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.160. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Puebla.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I [*] =Smáx/Dmáx	% de I [*]	Intensidad	Duración / máx	% de / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I [*] (mm/año)	respecto a X ₀	I máx(mm/año)	D / máx(años)	respecto a X ₀	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Mixtla	384.7	2.0	192.3	27.0	257.2	1.0	37.0	50.0	20.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Molcaxac	1633.3	2.0	816.6	39.0	816.6	2.0	39.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cañada Morelos	455.3	3.0	151.7	33.0	280.9	1.0	62.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Naupan	1135.5	4.0	283.8	14.0	571.3	1.0	29.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Nauzontla	2737.3	5.0	547.4	26.0	547.4	5.0	26.0	28.5	14.2	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0
Nealtican	1145.2	4.0	286.3	35.0	507.9	1.0	63.0	50.0	30.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Nicolás Bravo	632.1	5.0	126.4	23.0	230.5	1.0	42.0	36.3	36.3	18.1	0.0	9.0	0.0	0.0	0.0	0.0	0.0
Nopalucan	897.0	5.0	179.4	24.0	188.4	1.0	25.0	45.4	27.2	0.0	18.1	9.0	0.0	0.0	0.0	0.0	0.0
Ocolepec	444.9	2.0	222.4	47.0	222.4	2.0	47.0	50.0	16.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Ocoyucan	616.0	4.0	154.0	17.0	253.7	2.0	29.0	27.2	36.3	9.0	27.2	0.0	0.0	0.0	0.0	0.0	0.0
Olintia	12068.6	11.0	1097.1	28.0	1097.1	11.0	28.0	54.5	18.1	9.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0
Oriental	783.9	2.0	391.9	25.0	391.9	2.0	25.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pahuatlán	1135.5	4.0	283.8	14.0	571.3	1.0	29.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Palmar Bravo	339.8	3.0	113.2	28.0	113.2	3.0	28.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Pantepec	1209.3	4.0	302.3	16.0	687.4	1.0	36.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Petlalcingo	889.6	6.0	148.2	19.0	331.3	1.0	42.0	35.7	14.2	28.5	0.0	14.2	7.1	0.0	0.0	0.0	0.0
Pixtla	889.6	6.0	148.2	19.0	331.3	1.0	42.0	35.7	14.2	28.5	0.0	14.2	7.1	0.0	0.0	0.0	0.0
Puebla	501.2	4.0	125.3	15.0	202.0	2.0	24.0	50.0	25.0	8.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Quecholac	206.6	1.0	206.6	38.0	206.6	1.0	38.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Quimixtlán	1842.6	5.0	368.5	22.0	629.9	1.0	38.0	42.8	28.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Rafael Lara G	897.0	5.0	179.4	24.0	188.4	1.0	25.0	45.4	27.2	0.0	18.1	9.0	0.0	0.0	0.0	0.0	0.0
Reyes Juárez	880.2	4.0	220.0	32.0	253.2	1.0	37.0	45.4	36.3	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Andrés Ch	734.4	4.0	183.6	21.0	270.7	2.0	30.0	30.0	40.0	10.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Antonio C	1500.1	11.0	136.3	17.0	172.8	2.0	21.0	0.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Diego la M T	845.7	5.0	169.1	22.0	211.0	4.0	27.0	44.4	0.0	33.3	11.1	11.1	0.0	0.0	0.0	0.0	0.0
Sn Fpe Teotl.	1145.2	4.0	286.3	35.0	507.9	1.0	63.0	50.0	30.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Fpe Tepatlán	2164.9	4.0	541.2	33.0	551.4	1.0	33.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Gl Chilac	496.4	3.0	165.4	51.0	188.7	2.0	59.0	20.0	30.0	30.0	10.0	0.0	0.0	10.0	0.0	0.0	0.0
Sn Ggo Atzompa	616.0	4.0	154.0	17.0	253.7	2.0	29.0	27.2	36.3	9.0	27.2	0.0	0.0	0.0	0.0	0.0	0.0
Sn Jer Tecuan.	616.0	4.0	154.0	17.0	253.7	2.0	29.0	27.2	36.3	9.0	27.2	0.0	0.0	0.0	0.0	0.0	0.0
Sn Jer Xayac.	889.6	6.0	148.2	19.0	331.3	1.0	42.0	35.7	14.2	28.5	0.0	14.2	7.1	0.0	0.0	0.0	0.0
Sn José Chiapa	783.9	2.0	391.9	25.0	391.9	2.0	25.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.160. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Puebla.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^m =Smáx/Dmáx	% de I ^m	Intensidad	Duración / máx	% de I / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I ^m (mm/año)	respecto a X _m	I máx(mm/año)	D I máx(años)	respecto a X _m	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Sn J Miahuatlán	1040.9	8.0	130.1	20.0	189.2	3.0	29.0	22.2	0.0	44.4	11.1	0.0	11.1	0.0	11.1	0.0	0.0
Sn J Atenco	324.9	1.0	324.9	52.0	324.9	1.0	52.0	66.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Sn J Atzacoma	1633.3	2.0	816.6	39.0	816.6	2.0	39.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn M Texmelu.	1145.2	4.0	286.3	35.0	507.9	1.0	63.0	50.0	30.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn M Tototlepec	845.7	5.0	169.1	22.0	211.0	4.0	27.0	44.4	0.0	33.3	11.1	11.1	0.0	0.0	0.0	0.0	0.0
Sn M Tlalanca.	1145.2	4.0	286.3	35.0	507.9	1.0	63.0	50.0	30.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Migl Ixtitlán	889.6	6.0	148.2	19.0	331.3	1.0	42.0	35.7	14.2	28.5	0.0	14.2	7.1	0.0	0.0	0.0	0.0
Sn Mig Xoxitla	1145.2	4.0	286.3	35.0	507.9	1.0	63.0	50.0	30.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Nic B Aires	783.9	2.0	391.9	25.0	391.9	2.0	25.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Nic Ranchos	1145.2	4.0	286.3	35.0	507.9	1.0	63.0	50.0	30.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Pbo Anciano	889.6	6.0	148.2	19.0	331.3	1.0	42.0	35.7	14.2	28.5	0.0	14.2	7.1	0.0	0.0	0.0	0.0
Sn P Cholula	723.1	6.0	120.5	14.0	259.0	2.0	30.0	53.8	23.0	15.3	0.0	0.0	7.6	0.0	0.0	0.0	0.0
Sn P Yeloixtlah.	889.6	6.0	148.2	19.0	331.3	1.0	42.0	35.7	14.2	28.5	0.0	14.2	7.1	0.0	0.0	0.0	0.0
Sn Sal el Seco	324.9	1.0	324.9	52.0	324.9	1.0	52.0	66.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Sn Sal el Verde	1145.2	4.0	286.3	35.0	507.9	1.0	63.0	50.0	30.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn Sal Huixcot.	555.8	6.0	92.6	15.0	220.2	2.0	36.0	36.3	36.3	18.1	0.0	0.0	9.0	0.0	0.0	0.0	0.0
Sn Seb Tlacote.	1761.0	7.0	251.5	13.0	507.5	3.0	27.0	25.0	37.5	25.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0
Sta Cal Tlaltem.	1633.3	2.0	816.6	39.0	816.6	2.0	39.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sta I Ahuate.	928.2	4.0	232.0	37.0	314.0	1.0	51.0	50.0	12.5	0.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0
Sta II Cholula	616.0	4.0	154.0	17.0	253.7	2.0	29.0	27.2	36.3	9.0	27.2	0.0	0.0	0.0	0.0	0.0	0.0
Sgo Miahuatlán	529.3	5.0	105.8	26.0	240.9	1.0	60.0	28.5	57.1	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Huehuetlán el G	689.1	5.0	137.8	17.0	264.6	1.0	33.0	54.5	27.2	0.0	0.0	18.1	0.0	0.0	0.0	0.0	0.0
Sto T Hueyot.	384.7	2.0	192.3	27.0	257.2	1.0	37.0	50.0	20.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Sohtepec	428.9	4.0	107.2	16.0	425.5	1.0	65.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Tecali de H.	384.7	2.0	192.3	27.0	257.2	1.0	37.0	50.0	20.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Tecamachalco	1083.7	5.0	216.7	39.0	216.7	5.0	39.0	41.6	25.0	25.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0
Tecomatlán	889.6	6.0	148.2	19.0	331.3	1.0	42.0	35.7	14.2	28.5	0.0	14.2	7.1	0.0	0.0	0.0	0.0
Tehuacan	529.3	5.0	105.8	26.0	240.9	1.0	60.0	28.5	57.1	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Tehuizingo	1263.7	5.0	252.7	29.0	265.2	1.0	30.0	35.7	28.5	0.0	7.1	21.4	7.1	0.0	0.0	0.0	0.0
Tenampulco	1862.6	4.0	465.6	23.0	465.6	4.0	23.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Teopantlán	1633.3	2.0	816.6	39.0	816.6	2.0	39.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Teotlalco	1359.0	3.0	453.0	56.0	525.4	1.0	65.0	50.0	20.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0

Tabla C.160. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Puebla.

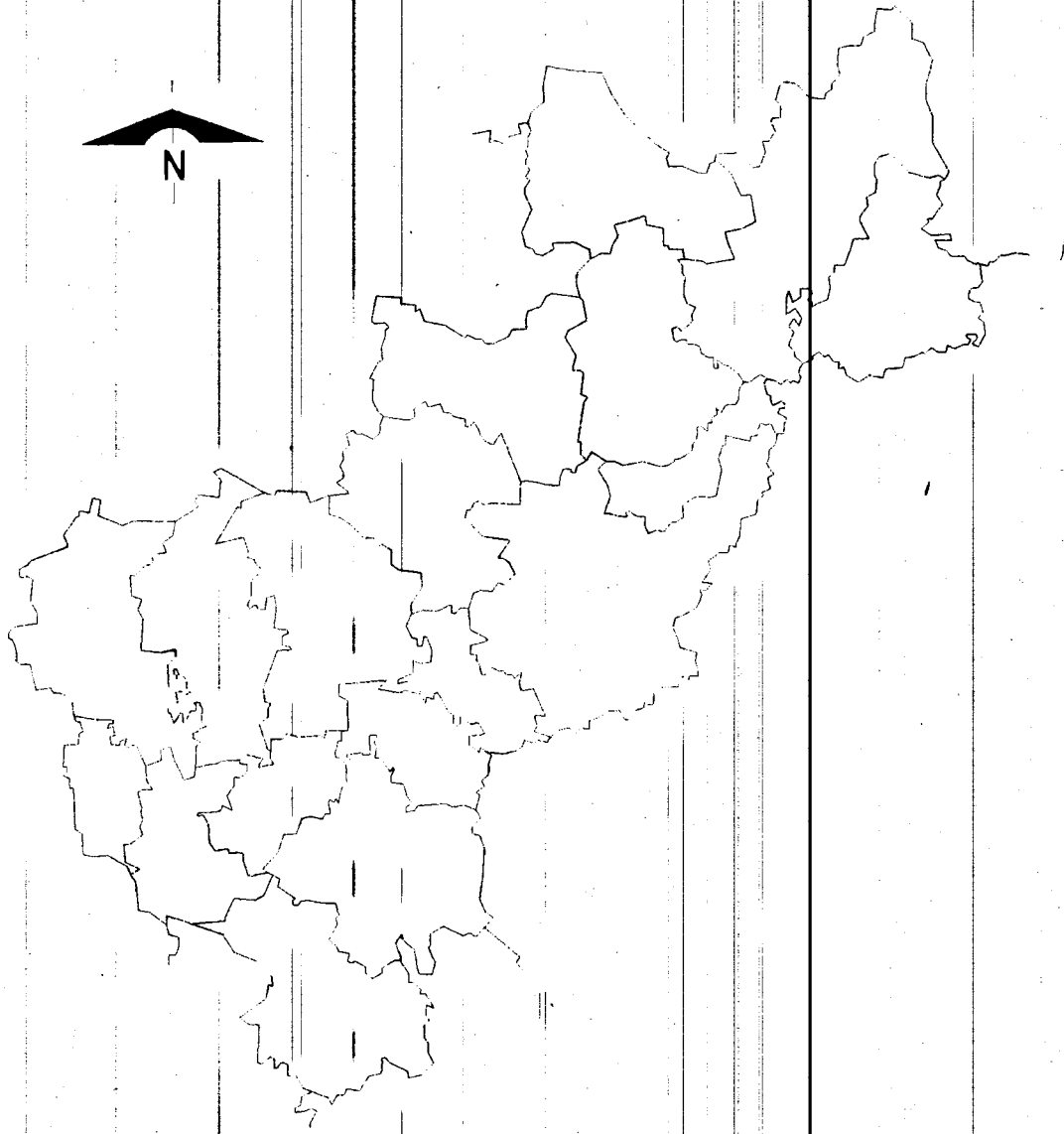
Municipio	Características máximas de la sequía meteorológica municipal						Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad	Duración	I ^{máx} /D ^{máx}	% de I ^{máx}	Intensidad	Duración / máx	% de I ^{máx}	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S ^{máx} (mm)	D ^{máx} (años)	I ^{máx} (mm/año)	respecto a X ₀	I ^{máx} (mm/año)	D ^{máx} (años)	respecto a X ₀	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
T de López	529.3	5.0	105.8	26.0	240.9	1.0	60.0	28.5	57.1	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
T de Rodríguez	2164.9	4.0	541.2	33.0	551.4	1.0	33.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
T de Hidalgo	897.0	5.0	179.4	24.0	188.4	1.0	25.0	45.4	27.2	0.0	18.1	9.0	0.0	0.0	0.0	0.0	0.0
Tepeaca	880.2	4.0	220.0	32.0	253.2	1.0	37.0	45.4	36.3	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
Tepemaxalco	845.7	5.0	169.1	22.0	211.0	4.0	27.0	44.4	0.0	33.3	11.1	11.1	0.0	0.0	0.0	0.0	0.0
Tepeojuma	845.7	5.0	169.1	22.0	211.0	4.0	27.0	44.4	0.0	33.3	11.1	11.1	0.0	0.0	0.0	0.0	0.0
Tepetzintla	1685.9	4.0	421.4	44.0	421.4	4.0	44.0	50.0	12.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Tepexco	585.6	3.0	195.2	25.0	266.9	1.0	35.0	50.0	16.6	25.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0
Tepexi de Rgz	1633.3	2.0	816.6	39.0	816.6	2.0	39.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tepeyahualco	721.1	4.0	180.2	32.0	205.1	2.0	36.0	36.3	27.2	0.0	27.2	0.0	9.0	0.0	0.0	0.0	0.0
Tepeyah. de C	911.1	6.0	151.8	29.0	181.9	2.0	35.0	0.0	70.0	20.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
Tetela de O.	573.8	4.0	143.4	17.0	294.3	1.0	36.0	33.3	44.4	11.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
Tetelas de A C	3194.9	4.0	798.7	23.0	798.7	4.0	23.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Teziutlán	3227.6	10.0	322.7	16.0	322.7	10.0	16.0	50.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	16.6
Tianguismanalco	616.0	4.0	154.0	17.0	253.7	2.0	29.0	27.2	36.3	9.0	17.2	0.0	0.0	0.0	0.0	0.0	0.0
Tilaza	585.6	3.0	195.2	25.0	266.9	1.0	35.0	50.0	16.6	25.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0
Tlacotepec B J	720.8	7.0	102.9	21.0	315.2	1.0	64.0	27.2	36.3	27.2	0.0	0.0	0.0	9.0	0.0	0.0	0.0
Tlacuilotepic	1209.3	4.0	302.3	16.0	687.4	1.0	36.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Tlachichuca	712.6	6.0	118.7	17.0	162.5	3.0	23.0	33.3	11.1	33.3	11.1	0.0	11.1	0.0	0.0	0.0	0.0
Tlahuapan	1145.2	4.0	286.3	35.0	507.9	1.0	63.0	50.0	30.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Tlaltenango	1145.2	4.0	286.3	35.0	507.9	1.0	63.0	50.0	30.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Tlanepantla	384.7	2.0	192.3	27.0	257.2	1.0	37.0	50.0	20.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Tlaola	1075.7	3.0	358.5	19.0	458.9	1.0	25.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tlapacoya	1374.5	3.0	458.1	23.0	477.8	1.0	24.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tlapanalá	845.7	5.0	169.1	22.0	211.0	4.0	27.0	44.4	0.0	33.3	11.1	11.1	0.0	0.0	0.0	0.0	0.0
Tlaxiahuac	802.1	4.0	200.5	19.0	391.3	1.0	38.0	33.3	22.2	22.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
Tlaxco	1209.3	4.0	302.3	16.0	687.4	1.0	36.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Tochimilco	960.0	4.0	240.0	30.0	240.0	4.0	30.0	50.0	20.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
Tochtepec	1083.7	5.0	216.7	39.0	216.7	5.0	39.0	41.6	25.0	25.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0
Totoltepec G	928.2	4.0	232.0	37.0	314.0	1.0	51.0	50.0	12.5	0.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0
Tulcingo	889.6	6.0	148.2	19.0	331.3	1.0	42.0	35.7	14.2	28.5	0.0	14.2	7.1	0.0	0.0	0.0	0.0
Tuzamapan G	1820.5	3.0	606.8	33.0	704.8	1.0	39.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.160. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Puebla.

Municipio	Características máximas de la sequía meteorológica municipal						Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad	Duración	$I^* = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I^*	Intensidad	Duración / $I_{m\acute{a}x}$	% de $I_{m\acute{a}x}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}$ (mm)	$D_{m\acute{a}x}$ (años)	I^* (mm/año)	respecto a X_c	$I_{m\acute{a}x}$ (mm/año)	$D_{m\acute{a}x}$ (años)	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Tzicatlacoyan	1466.1	6.0	244.3	39.0	244.3	6.0	39.0	9.0	54.5	18.1	9.0	0.0	9.0	0.0	0.0	0.0	0.0
Venustiano C	1209.3	4.0	302.3	16.0	687.4	1.0	36.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Vicente Gro	585.4	2.0	292.7	33.0	292.7	2.0	33.0	33.3	50.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Xayacatlán de B	928.2	4.0	232.0	37.0	314.0	1.0	51.0	50.0	12.5	0.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0
Xicotepec	1119.4	2.0	559.7	30.0	641.2	1.0	35.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Xicotlán	1298.5	5.0	259.7	30.0	259.7	5.0	30.0	27.2	18.1	0.0	18.1	27.2	9.0	0.0	0.0	0.0	0.0
Xiutetelco	698.0	2.0	349.0	26.0	684.4	1.0	51.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Xochiapulco	1952.5	6.0	325.4	23.0	533.4	1.0	38.0	50.0	20.0	0.0	10.0	0.0	20.0	0.0	0.0	0.0	0.0
Chochiltepec	845.7	5.0	169.1	22.0	211.0	4.0	27.0	44.4	0.0	33.3	11.1	11.1	0.0	0.0	0.0	0.0	0.0
Xochitlán de V S	2737.3	5.0	547.4	26.0	547.4	5.0	26.0	28.5	14.2	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0
Xochitlán T Stos	911.1	6.0	151.8	29.0	181.9	2.0	35.0	0.0	70.0	20.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
Yaonáhuac	3194.9	4.0	798.7	23.0	798.7	4.0	23.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Yehualtepec	911.1	6.0	151.8	29.0	181.9	2.0	35.0	0.0	70.0	20.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
Zacapala	1633.3	2.0	816.6	39.0	816.6	2.0	39.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zacapoxtla	2126.6	4.0	531.6	19.0	742.8	1.0	27.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Zacatlán	1882.2	5.0	376.4	30.0	428.3	1.0	43.0	42.8	14.2	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Zapotitlán	245.5	4.0	61.3	15.0	154.6	1.0	39.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Zapotitlán de M	943.2	4.0	235.8	9.0	931.4	1.0	38.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Zaragoza	1621.4	4.0	405.3	22.0	581.4	1.0	32.0	14.2	28.5	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Zautla	746.7	5.0	149.3	22.0	391.3	1.0	59.0	44.4	22.2	11.1	11.1	11.1	0.0	0.0	0.0	0.0	0.0
Zihuateuilá	1119.4	2.0	559.7	30.0	641.2	1.0	35.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zinacatepec	336.1	5.0	67.2	18.0	161.1	1.0	45.0	20.0	60.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Zongozotla	5176.5	10.0	517.6	27.0	517.6	10.0	27.0	71.4	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2
Zoquiapan	1621.0	4.0	405.2	20.0	405.2	4.0	20.0	50.0	37.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Zoquián	1761.0	7.0	251.5	13.0	507.5	3.0	27.0	25.0	37.5	25.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0
Estatal	2965.8	6.0	494.3	42.0	494.3	6.0	42.0	27.2	18.1	0.0	9.0	9.0	9.0	27.2	0.0	0.0	0.0

Tabla C.160. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Puebla.

QUERETARO



Estación	Características promedio de la sequía meteorológica								Luvia disponible Hp disp S(mm)	Ti(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _e			
HA22001	9.7	7.5	4.0	4.5	1088.7	1400.5	272.1	40.0	401.0	3.9	
HA22002	4.0	0.7	2.2	1.1	341.2	334.3	155.0	20.0	617.7	4.0	MUY SEVERA
HA22003	7.0	0.5	4.0	2.0	183.1	168.2	45.7	11.0	359.4	5.2	MUY SEVERA
HA22004	3.5	0.5	1.4	0.4	192.3	216.0	137.3	23.0	441.5	5.8	VASTA
HA22005	3.6	1.5	1.8	1.5	337.4	310.6	187.4	23.0	627.1	5.1	VASTA
HA22006	4.2	1.6	1.9	0.0	223.8	97.1	117.7	20.0	446.6	4.6	SEVERA
HA22007	2.6	0.4	1.4	0.7	245.0	214.2	175.0	18.0	769.1	5.0	SEVERA
HA22008	3.6	1.1	1.3	0.4	321.9	182.8	247.6	28.0	626.6	4.5	VASTA
HA22009	3.5	1.1	1.8	1.0	251.8	115.0	139.8	22.0	477.0	4.1	VASTA
HA22011	3.2	1.0	1.7	0.7	246.7	126.4	145.1	24.0	451.4	4.9	VASTA
HA22015	4.3	2.0	1.5	0.5	220.4	72.1	146.9	24.0	445.6	6.0	VASTA
HA22016	5.3	2.3	2.5	2.0	1029.5	827.1	411.7	33.0	832.3	4.4	MUY CRITICA
HA22019	2.5	0.5	1.6	0.9	306.9	197.5	191.8	28.0	489.4	6.8	VASTA
HA22022	3.6	0.4	2.0	0.7	157.5	72.7	78.7	14.0	478.8	6.5	MUY SEVERA
HA22024	2.5	0.5	1.6	0.4	279.3	54.0	174.5	23.0	576.1	6.7	VASTA
HA22025	5.5	2.5	3.6	2.3	168.4	62.1	46.7	10.0	420.2	3.1	EXTRAORDINARIA
HA22026	2.3	0.4	2.0	1.7	165.4	124.7	82.6	18.0	353.7	4.3	MUY SEVERA
HA22028	3.0	0.8	2.0	1.0	197.1	57.3	98.5	15.0	528.8	4.1	MUY SEVERA
HA22029	5.5	0.5	2.3	0.9	418.7	216.0	182.0	25.0	538.5	5.0	MUY VASTA
HA22030	3.6	0.4	2.0	0.7	210.4	124.9	105.1	16.0	530.7	4.4	MUY SEVERA
HA22032	3.6	0.4	1.7	0.8	188.4	26.8	110.8	19.0	464.8	4.9	SEVERA
HA22035	2.7	0.8	1.3	0.8	150.5	143.2	115.7	26.0	314.8	12.3	VASTA
HA22036	3.0	0.8	1.7	0.4	294.2	145.3	173.0	30.0	403.1	8.4	VASTA

Tabla C.163. Características de la sequía promedio de cada estación climatológica del estado de Querétaro.

UF	E	Características máximas registradas de la sequía meteorológica						Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
		Severidad	Duración	I=S _{máx} /D _{máx}	% de I'	Intensidad	Duración/máx	% de I'máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
Estación		S máx(mm)	D máx(años)	I'(mm/año)	respecto a X _e	I máx(mm/año)	D I máx(años)	respecto a X _e	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA22001		3826.9	13.0	294.3	43.0	303.6	2.0	45.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA22002		859.9	4.0	214.9	27.0	309.2	2.0	40.0	40.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA22003		351.3	6.0	58.5	14.0	58.5	6.0	14.0	0.0	50.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0
HA22004		711.4	2.0	355.7	61.0	355.7	2.0	61.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA22005		1102.8	6.0	183.7	22.0	333.8	1.0	40.0	55.5	33.3	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0
HA22006		401.4	2.0	200.7	35.0	200.7	2.0	35.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA22007		558.5	2.0	279.2	29.0	279.2	2.0	29.0	71.4	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA22008		514.3	2.0	257.1	29.0	415.9	1.0	47.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA22009		469.6	3.0	156.5	25.0	260.3	1.0	42.0	55.5	11.1	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA22011		543.5	3.0	181.1	30.0	282.4	1.0	47.0	45.4	36.3	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA22015		284.9	1.0	284.9	48.0	284.9	1.0	48.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA22016		2455.6	6.0	409.2	32.0	670.7	1.0	53.0	50.0	25.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
HA22019		584.2	3.0	194.7	28.0	197.2	1.0	28.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA22022		234.6	1.0	234.6	42.0	234.6	1.0	42.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA22024		343.1	2.0	171.5	22.0	283.7	1.0	37.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA22025		248.2	7.0	35.4	7.0	80.1	2.0	17.0	0.0	66.6	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0
HA22026		376.1	5.0	75.2	17.0	135.1	1.0	30.0	75.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA22028		280.5	3.0	93.5	14.0	191.5	1.0	30.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA22029		608.7	3.0	202.9	28.0	202.9	3.0	28.0	33.3	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA22030		361.7	3.0	120.5	18.0	141.7	2.0	22.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA22032		216.1	1.0	216.1	37.0	216.1	1.0	37.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA22035		430.8	3.0	143.6	33.0	143.6	3.0	33.0	80.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA22036		486.9	2.0	243.4	42.0	243.4	2.0	42.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.164. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Querétaro.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes períodos de retorno (Tr)					Tr(años)		Lluvia mínima		Tr(años)
	Media X _i (mm)	Mediana (mm)	Dev. Stdt S(mm)	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primar	registrada	para	
				g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min	
Amealco de Bonfil	586.4	586.8	198.9	0.0	2.3	0.34	580.0	407.0	325.0	251.0	156.0	84.0	12.1	234.8	23.3	
Pinal de Amoles	978.1	976.0	317.4	0.2	3.7	0.32	1019.0	803.0	656.0	508.0	300.0	128.0	18.2	394.0	33.4	
Arroyo Seco	704.1	728.3	226.3	-0.2	3.2	0.32	725.0	526.0	397.0	274.0	115.0	0.0	14.5	240.4	24.3	
CADEREYTA DE MONTES	821.4	750.1	328.8	1.4	6.5	0.40	680.0	514.0	370.0	130.0	0.0	0.0	5.0	354.3	10.6	
Colón	580.2	541.0	171.8	0.7	3.6	0.30	526.0	435.0	372.0	291.0	148.0	28.0	9.0	308.9	17.4	
Corregidora	566.3	573.9	150.3	-0.6	4.3	0.28	570.0	445.0	371.0	302.0	214.0	148.0	56.0	133.2	116.6	
Ezequiel Montes	570.8	543.6	180.3	0.7	3.9	0.32	555.0	454.0	389.0	326.0	240.0	170.0	37.4	182.7	88.4	
Huimilpan	643.9	613.7	133.7	0.4	2.8	0.29	622.0	489.0	403.0	317.0	197.0	99.0	10.2	329.4	18.1	
Jaipán de Serra	845.2	894.5	194.8	-0.7	3.2	0.23	888.0	688.0	572.0	465.0	330.0	230.0	15.8	431.3	25.1	
Landa de Matamoros	877.3	922.1	209.8	-0.4	3.3	0.24	905.0	723.0	602.0	487.0	336.0	223.0	15.2	451.8	24.7	
Marqués, El	573.1	527.8	166.7	0.8	3.9	0.29	529.0	441.0	385.0	327.0	239.0	158.0	15.4	272.5	36.0	
Pedro Escobedo	616.8	601.0	178.6	0.5	3.0	0.29	576.0	457.0	391.0	323.0	225.0	140.0	9.0	329.4	18.8	
Peñamiller	873.3	842.5	259.6	0.4	3.0	0.30	825.0	640.0	528.0	414.0	249.0	111.0	8.2	459.0	15.3	
Querétaro	573.1	527.8	166.7	0.8	3.9	0.29	529.0	441.0	385.0	327.0	239.0	158.0	15.4	272.5	36.0	
San Joaquín	946.7	926.3	327.3	0.8	4.6	0.35	852.0	616.0	468.0	280.0	0.0	0.0	5.3	453.0	10.6	
San Juan del Río	592.4	595.8	156.8	0.3	3.5	0.26	582.0	460.0	372.0	278.0	140.0	28.0	10.2	296.5	17.5	
Tequisquiapan	570.8	543.6	180.3	0.7	3.9	0.32	555.0	454.0	389.0	326.0	240.0	170.0	37.4	182.7	88.4	
Tolimán	707.3	672.0	239.4	1.1	4.9	0.34	697.0	522.0	409.0	301.0	161.0	56.0	7.6	348.3	14.7	
Estatal	632.3	625.1	160.9	0.2	3.0	0.25	623.0	505.0	430.0	355.0	251.0	168.0	13.2	329.3	25.2	

Tabla C.165. Características estadísticas de la lluvia anual de cada municipio del estado de Querétaro.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Amealco de Bonfil	305.0	375.1	445.3	515.4	585.6	655.8	725.9	796.1	866.2	936.4	11.6	4.6	11.6	9.3	11.6	9.3	11.6	16.2	4.6	9.3
Pinal de Amoles	527.9	661.8	795.6	929.5	1063.4	1197.3	1331.2	1465.0	1598.9	1732.8	11.5	0.0	19.2	11.5	23.0	11.5	15.3	0.0	3.8	3.8
Arroyo Seco	330.1	419.9	509.6	599.4	689.1	778.8	868.6	958.3	1048.1	1137.8	4.5	4.5	22.7	0.0	4.5	31.8	9.0	9.0	9.0	4.5
CADEREYTA DE MONTES	514.8	675.2	835.7	996.1	1156.6	1317.1	1477.5	1638.0	1798.4	1958.9	17.6	20.5	17.6	17.6	14.7	5.8	2.9	0.0	0.0	2.9
Colón	382.3	455.7	529.1	602.5	675.9	749.4	822.8	896.2	969.6	1043.0	10.5	10.5	23.6	15.7	13.1	13.1	0.0	10.5	0.0	2.6
Corregidora	202.8	272.4	341.9	411.5	481.1	550.7	620.3	689.8	759.4	829.0	3.8	0.0	3.8	7.6	15.3	11.5	19.2	15.3	11.5	11.5
Ezequiel Montes	267.4	352.1	436.8	521.5	606.2	690.9	775.6	860.3	945.0	1029.7	2.2	6.6	13.3	17.7	24.4	15.5	8.8	0.0	4.4	6.6
Huimilpan	400.8	472.1	543.5	614.8	686.2	757.6	828.9	900.3	971.6	1043.0	5.2	13.1	15.7	15.7	10.5	15.7	5.2	10.5	2.6	5.2
Jaipán de Serra	500.4	569.6	638.7	707.8	776.9	846.1	915.2	984.3	1053.5	1122.6	4.5	9.0	4.5	9.0	4.5	9.0	13.6	18.1	18.1	9.0
Landa de Matamoros	532.4	613.0	693.6	774.2	854.8	935.3	1015.9	1096.5	1177.1	1257.7	9.0	4.5	4.5	9.0	9.0	22.7	13.6	13.6	9.0	4.5
Marqués, El	349.6	426.6	503.7	580.7	657.8	734.8	811.8	888.9	965.9	1043.0	5.2	13.1	18.4	26.3	7.8	10.5	10.5	5.2	0.0	2.6
Pedro Escobedo	400.8	472.1	543.5	614.8	686.2	757.6	828.9	900.3	971.6	1043.0	6.4	16.1	16.1	16.1	9.6	16.1	3.2	12.9	0.0	3.2
Peñamiller	560.8	662.7	764.5	866.4	968.2	1070.0	1171.9	1273.7	1375.6	1477.4	11.7	8.8	14.7	14.7	14.7	11.7	11.7	2.9	2.9	5.8
Querétaro	349.6	426.6	503.7	580.7	657.8	734.8	811.8	888.9	965.9	1043.0	5.2	13.1	18.4	26.3	7.8	10.5	10.5	5.2	0.0	2.6
San Joaquín	603.6	754.2	904.8	1055.4	1206.0	1356.5	1507.1	1657.7	1808.3	1958.9	20.5	8.8	20.5	14.7	14.7	11.7	5.8	0.0	0.0	2.9
San Juan del Río	369.8	443.1	516.5	589.8	663.1	736.4	809.7	883.1	956.4	1029.7	8.8	11.1	6.6	22.2	24.4	6.6	11.1	6.6	0.0	2.2
Tequisquiapan	267.4	352.1	436.8	521.5	606.2	690.9	775.6	860.3	945.0	1029.7	2.2	6.6	13.3	17.7	24.4	15.5	8.8	0.0	4.4	6.6
Tolimán	453.6	559.0	664.3	769.7	875.0	980.3	1085.7	1191.0	1296.4	1401.7	11.7	17.6	20.5	14.7	17.6	8.8	0.0	2.9	2.9	2.9
Estatal	400.2	471.1	542.0	612.9	683.8	754.6	825.5	896.4	967.3	1038.2	8.6	13.0	2.1	23.9	19.5	8.6	10.8	10.8	0.0	2.1

Tabla C.166. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Querétaro.

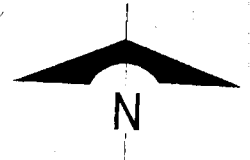
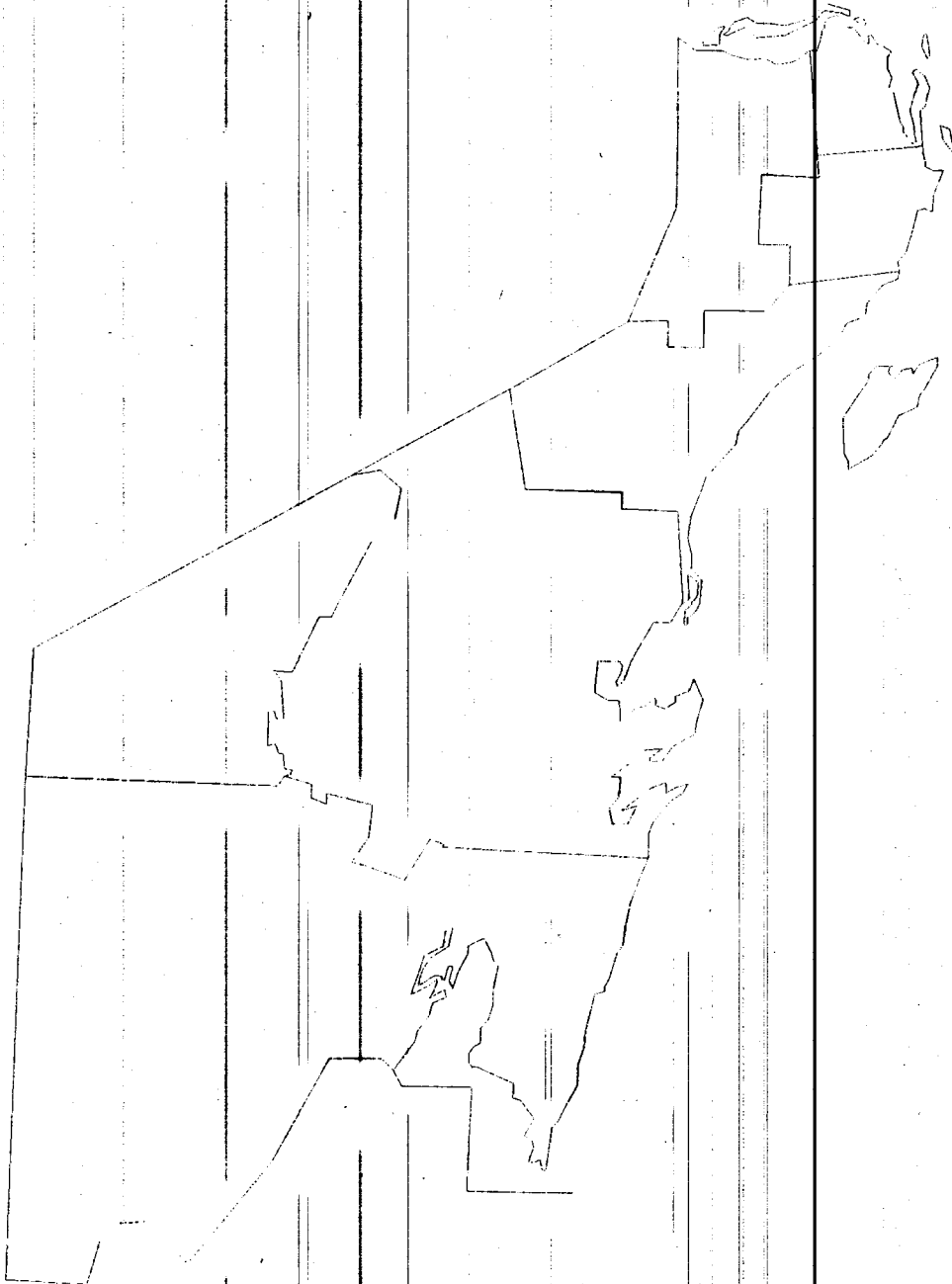
Municipio	Características promedio de la sequía meteorológica municipal									Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	Huvia disponible		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c	Hp disp S(mm)		
Amealco de Bonfil	6.6	4.8	2.9	4.1	515.5	910.4	177.7	30.0	498.7	4.9	MUY VASTA
Pinal de Amoles	4.0	1.6	1.8	1.1	461.7	380.8	256.5	26.0	721.5	7.3	VASTA
Arroyo Seco	3.0	0.7	1.5	0.4	392.6	248.6	261.7	37.0	423.5	7.8	CRITICA
Cadereyta de Montes	5.0	3.0	3.0	2.8	710.8	672.7	236.9	28.0	544.4	3.2	EXTREMADAMENTE VASTA
Colón	3.6	1.1	2.2	1.3	260.4	174.5	118.3	20.0	461.8	3.7	MUY SEVERA
Corregidora	3.5	0.9	1.5	0.5	197.8	198.9	131.8	23.0	494.5	5.5	VASTA
Ezequiel Montes	3.5	0.8	2.3	2.2	272.9	195.9	118.6	20.0	452.1	5.1	MUY SEVERA
Huimilpan	3.5	1.1	1.8	0.9	256.8	147.1	142.6	22.0	501.3	4.6	VASTA
Jalpan de Serra	4.2	2.1	1.5	0.7	289.1	175.9	192.7	22.0	662.4	6.1	VASTA
Landa de Matamoros	3.6	1.1	1.5	0.7	309.3	192.2	206.1	23.0	671.1	6.7	VASTA
Marqués, El	3.5	1.1	2.6	2.6	277.7	287.3	106.8	18.0	466.2	3.7	MUY SEVERA
Pedro Escobedo	3.5	1.1	1.8	1.0	251.8	115.0	139.8	22.0	477.0	4.1	VASTA
Peñamiller	4.1	3.0	2.5	1.6	512.3	396.1	204.9	23.0	668.4	4.2	MUY VASTA
Querétaro	3.5	1.1	2.6	2.6	277.7	287.3	106.8	18.0	466.2	3.7	MUY SEVERA
San Joaquín	4.8	2.7	2.4	1.9	638.5	515.7	266.0	28.0	600.7	3.6	MUY VASTA
San Juan del Río	3.3	0.9	1.5	0.8	197.5	97.5	131.6	22.0	460.8	5.0	VASTA
Tequisquiapan	3.5	0.8	2.3	2.2	272.9	195.9	118.6	20.0	452.1	5.1	MUY SEVERA
Tolimán	3.1	1.2	2.0	1.5	341.9	373.7	170.9	24.0	566.4	4.6	MUY VASTA
Estatad	4.7	3.2	2.4	2.0	292.2	335.3	121.7	19.0	510.6	4.8	MUY SEVERA

Tabla C.167. Características de la sequía promedio de cada municipio del estado de Querétaro.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^{max} /D ^{max}	% de I ^{max}	Intensidad	Duración / I ^{max}	% de I ^{max}	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I ^{max} (mm/año)	respecto a X _c	I ^{max} (mm/año)	D / I ^{max} (años)	respecto a X _c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Amealco de Bonfil	2700.1	13.0	207.7	35.0	207.7	13.0	35.0	71.4	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pinal de Amoles	1251.2	4.0	312.8	31.0	473.9	1.0	48.0	57.1	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Arroyo Seco	742.7	2.0	371.3	52.0	371.3	2.0	52.0	40.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cadereyta de M	1722.4	6.0	287.0	34.0	341.2	1.0	41.0	66.6	0.0	0.0	0.0	0.0	16.6	0.0	16.6	0.0	0.0
Colón	712.8	5.0	142.5	24.0	223.6	1.0	38.0	40.0	30.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
Corregidora	686.4	2.0	343.2	60.0	343.2	2.0	60.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ezequiel Montes	818.1	9.0	90.9	15.0	241.4	1.0	42.0	45.4	27.2	18.1	0.0	0.0	0.0	0.0	0.0	9.0	0.0
Huimilpan	550.8	3.0	183.6	28.0	231.6	1.0	35.0	45.4	36.3	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
Jalpan de Serra	549.4	3.0	183.1	21.0	341.0	1.0	40.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Landa de Matam.	620.7	3.0	206.9	23.0	373.1	1.0	42.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Marqués, El	1066.2	10.0	106.6	18.0	160.7	1.0	28.0	33.3	44.4	11.1	0.0	0.0	0.0	0.0	0.0	0.0	11.1
Pedro Escobedo	469.6	3.0	156.5	25.0	260.3	1.0	42.0	55.5	11.1	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Peñamiller	1365.7	6.0	227.6	26.0	316.1	1.0	36.0	28.5	42.8	0.0	14.2	0.0	14.2	0.0	0.0	0.0	0.0
Querétaro	1066.2	10.0	106.6	18.0	160.7	1.0	28.0	33.3	44.4	11.1	0.0	0.0	0.0	0.0	0.0	0.0	11.1
San Joaquín	1747.8	7.0	249.6	26.0	419.7	1.0	44.0	42.8	28.5	14.2	0.0	0.0	0.0	14.2	0.0	0.0	0.0
San Juan del Río	432.5	3.0	144.1	24.0	263.1	1.0	44.0	64.2	14.2	21.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tequisquiapan	818.1	9.0	90.9	15.0	241.4	1.0	42.0	45.4	27.2	18.1	0.0	0.0	0.0	0.0	0.0	9.0	0.0
Tolimán	1353.9	6.0	225.6	31.0	317.9	1.0	44.0	55.5	22.2	11.1	0.0	0.0	11.1	0.0	0.0	0.0	0.0
Estatad	1237.9	8.0	154.7	24.0	214.4	1.0	33.0	40.0	30.0	20.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0

Tabla C.168. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Querétaro.

QUINTANA ROO



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de					retorno (Tr)	Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv	Std	Coefficientes	2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para	
Xo(mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min	
HA23002	907.6	918.2	151.4	0.2	3.5	0.17	889.0	769.0	738.0	707.0	662.0	621.0	10.1	688.8	29.5
HA23003	1264.7	1201.5	385.4	0.8	4.0	0.30	1189.0	968.0	824.0	675.0	451.0	251.0	13.4	594.2	28.3
HA23004	1279.2	1283.1	241.3	-0.3	3.9	0.19	1271.0	1111.0	1011.0	916.0	792.0	697.0	30.1	771.4	58.2
HA23009	845.5	845.0	275.6	0.6	5.4	0.33	846.0	662.0	534.0	397.0	185.0	0.0	20.5	250.0	38.4
HA23010	1052.0	1135.5	278.1	-0.1	2.6	0.26	1110.0	768.0	725.0	688.0	640.0	603.0	9.5	646.6	43.7
HA23011	1309.0	1309.0	413.4	0.9	5.9	0.32	1268.0	1003.0	745.0	344.0	0.0	0.0	10.2	522.3	15.2
HA23014	1082.8	1051.7	217.8	-0.3	4.4	0.20	1057.0	955.0	873.0	762.0	588.0	453.0	40.1	534.1	66.0
HA23015	1220.9	1177.5	255.4	0.8	4.6	0.21	1164.0	1016.0	909.0	778.0	556.0	368.0	9.7	808.5	17.3
HA23019	1050.4	1139.0	209.1	-0.7	3.0	0.20	1108.0	853.0	747.0	654.0	538.0	452.0	14.9	622.0	25.6
HA23022	1030.2	1028.8	494.2	1.0	4.5	0.48	966.0	673.0	489.0	314.0	89.0	0.0	7.9	375.0	15.7
HA23023	1285.1	1268.3	196.1	-0.1	2.6	0.15	1264.0	1122.0	1043.0	970.0	877.0	807.0	12.5	953.5	23.4
HA23024	1170.2	1142.6	416.7	0.7	3.7	0.36	1108.0	823.0	642.0	458.0	193.0	0.0	10.5	451.5	20.5
HA23025	1139.7	1152.4	320.4	-0.1	4.3	0.28	1159.0	909.0	745.0	587.0	380.0	224.0	16.2	499.2	29.5
HA23029	1183.9	1063.1	769.0	2.8	14.0	0.65	1007.0	766.0	593.0	389.0	0.0	0.0	5.1	425.5	17.9
HA23031	1054.4	1011.8	224.6	0.7	4.4	0.21	1008.0	863.0	769.0	668.0	511.0	372.0	13.9	614.2	27.9
HA23032	1252.6	1232.1	288.2	1.3	6.1	0.23	1211.0	1075.0	986.0	897.0	770.0	661.0	15.3	792.3	43.0
HA23033	1423.7	1389.6	469.8	1.0	7.4	0.33	1393.0	1054.0	795.0	479.0	0.0	0.0	9.0	630.6	14.7
HA23040	1476.7	1477.0	379.4	0.6	3.6	0.26	1419.0	1196.0	1058.0	927.0	758.0	633.0	8.9	961.0	16.7
HA23042	1456.7	1330.7	440.9	0.8	4.0	0.30	1358.0	1117.0	971.0	833.0	655.0	523.0	8.6	857.2	17.7
HA23043	1172.0	1182.4	290.0	0.4	4.5	0.25	1180.0	959.0	817.0	682.0	507.0	376.0	6.1	830.6	9.4

Tabla C.169. Características estadísticas de la lluvia anual de cada estación climatológica del Quintana Roo.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA23002	737.1	785.4	833.6	881.9	930.2	978.5	1026.8	1075.0	1123.3	1171.6	9.0	9.0	27.2	0.0	9.0	9.0	9.0	18.1	0.0	9.0
HA23003	762.1	930.1	1098.0	1265.9	1433.9	1601.8	1769.7	1937.6	2105.6	2273.5	7.8	7.8	21.0	26.3	7.8	15.7	2.6	0.0	7.8	2.6
HA23004	860.7	950.0	1039.4	1128.7	1218.0	1307.3	1396.6	1486.0	1575.3	1664.6	5.8	5.8	0.0	11.7	11.7	17.6	23.5	0.0	11.7	11.7
HA23009	391.7	533.4	675.1	816.8	958.6	1100.3	1242.0	1383.7	1525.4	1667.1	3.4	3.4	31.0	3.4	31.0	13.7	10.3	0.0	0.0	3.4
HA23010	728.4	810.3	892.1	973.9	1055.8	1137.6	1219.4	1301.2	1383.1	1464.9	8.3	16.6	16.6	0.0	8.3	0.0	8.3	25.0	8.3	8.3
HA23011	736.5	950.7	1165.0	1379.2	1593.4	1807.6	2021.8	2236.1	2450.3	2664.5	7.8	10.5	15.7	34.2	18.4	0.0	7.8	2.6	0.0	2.6
HA23014	630.5	727.0	823.4	919.9	1016.3	1112.7	1209.2	1305.6	1402.1	1498.5	4.5	0.0	4.5	9.0	13.6	31.8	4.5	18.1	9.0	4.5
HA23015	914.0	1019.5	1125.0	1230.5	1336.1	1441.6	1547.1	1652.6	1758.1	1863.6	10.7	10.7	7.8	21.4	7.1	17.8	7.1	0.0	0.0	7.1
HA23019	692.7	763.4	834.1	904.8	975.5	1046.2	1116.9	1187.6	1258.3	1329.0	9.5	0.0	9.5	4.7	14.2	4.7	4.7	19.0	28.5	4.7
HA23022	550.5	725.9	901.4	1076.9	1252.4	1427.8	1603.3	1778.8	1954.2	2129.7	20.0	5.0	15.0	25.0	15.0	5.0	0.0	5.0	0.0	10.0
HA23023	1018.7	1083.8	1149.0	1214.2	1279.4	1344.5	1409.7	1474.9	1540.0	1605.2	9.0	9.0	4.5	13.6	13.6	13.6	0.0	13.6	13.6	9.0
HA23024	630.4	809.3	988.2	1167.1	1346.1	1525.0	1703.9	1882.8	2061.7	2240.6	7.8	10.5	8.4	15.7	15.7	13.1	10.5	2.6	0.0	5.2
HA23025	634.0	768.8	903.6	1038.4	1173.2	1308.0	1442.8	1577.6	1712.4	1847.2	5.2	10.5	0.5	0.0	26.3	10.5	26.3	5.2	0.0	5.2
HA23029	760.5	1095.4	1430.4	1755.4	2100.4	2435.3	2770.3	3105.3	3440.2	3775.2	25.0	31.2	25.0	12.5	0.0	0.0	0.0	0.0	0.0	6.2
HA23031	721.9	829.6	937.2	1044.9	1152.6	1260.3	1368.0	1475.6	1583.3	1691.0	3.3	13.3	6.6	20.0	13.3	13.3	13.3	3.3	0.0	3.3
HA23032	931.7	1071.1	1210.6	1350.0	1489.4	1628.8	1768.2	1907.7	2047.1	2186.5	10.5	15.7	15.7	39.4	2.6	7.8	0.0	2.6	2.6	2.6
HA23033	838.5	1046.4	1254.4	1462.3	1670.2	1878.1	2086.0	2294.0	2501.9	2709.8	12.5	6.2	12.5	25.0	25.0	12.5	0.0	0.0	0.0	6.2
HA23040	1080.8	1200.6	1320.3	1440.1	1559.9	1679.7	1799.5	1919.2	2039.0	2158.8	14.2	14.2	14.2	0.0	28.5	7.1	0.0	0.0	7.1	14.2
HA23042	1000.9	1144.7	1288.4	1432.1	1575.9	1719.6	1863.3	2007.0	2150.8	2294.5	8.3	8.3	25.0	16.6	8.3	8.3	0.0	8.3	8.3	8.3
HA23043	919.0	1007.3	1095.7	1184.0	1272.4	1360.8	1449.1	1537.5	1625.8	1714.2	30.0	0.0	10.0	10.0	10.0	10.0	20.0	0.0	0.0	10.0

Tabla C.170. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del Quintana Roo.

Estación	Características promedio de la sequía meteorológica									Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	lluvia disponible		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X_c	Hp disp S(mm)		
HA23002	2.0	0.5	1.2	0.4	175.7	37.7	146.4	16.0	761.2	5.9	SEVERA
HA23003	3.6	2.4	2.0	2.3	501.1	629.4	250.5	19.0	1014.2	4.0	MUY SEVERA
HA23004	3.0	1.2	1.6	0.7	306.1	180.8	191.3	14.0	1087.9	5.8	SEVERA
HA23009	6.0	2.7	3.0	2.7	594.8	392.9	198.2	23.0	647.3	5.4	EXTREMADAMENTE VASTA
HA23010	3.0	0.5	1.2	0.4	366.5	162.3	305.4	29.0	746.4	7.0	VASTA
HA23011	5.0	4.9	3.0	4.8	752.4	1569.4	250.8	19.0	1058.2	4.2	EXTREMADAMENTE SEVERA
HA23014	3.9	1.4	2.0	0.5	304.5	140.0	152.2	14.0	930.6	6.3	MUY SEVERA
HA23015	3.8	1.4	2.0	1.5	339.6	227.0	169.8	13.0	1051.0	3.9	MUY SEVERA
HA23019	2.8	0.6	1.1	0.3	232.5	136.6	211.3	20.0	839.6	5.4	SEVERA
HA23022	4.5	1.6	2.6	0.7	714.4	311.1	274.7	26.0	755.4	3.7	MUY VASTA
HA23023	3.3	0.9	1.5	0.7	256.9	250.6	171.2	13.0	1113.9	5.3	SEVERA
HA23024	3.7	1.6	2.1	0.9	620.6	392.4	295.5	25.0	874.7	4.1	MUY VASTA
HA23025	4.5	1.6	1.3	0.4	445.4	282.7	342.6	30.0	797.7	8.0	VASTA
HA23029	4.0	0.8	3.0	1.2	885.6	422.9	295.2	24.0	888.7	3.0	EXTREMADAMENTE VASTA
HA23031	5.6	3.2	2.9	2.8	439.3	409.0	151.4	14.0	903.0	3.7	MUY SEVERA
HA23032	3.6	1.2	1.9	1.1	327.3	259.5	172.2	13.0	1080.4	4.8	SEVERA
HA23033	3.6	1.2	2.2	0.8	632.3	504.8	287.4	20.0	1136.3	4.0	MUY SEVERA
HA23040	6.0	2.0	2.0	0.8	671.6	387.6	335.7	22.0	1140.9	6.6	MUY VASTA
HA23042	3.3	0.4	1.7	0.8	523.7	396.9	308.0	21.0	1148.6	4.4	VASTA
HA23043	5.0	0.0	2.5	1.5	565.7	546.5	226.2	19.0	945.7	5.3	MUY SEVERA

Tabla C.171. Características de la sequía promedio de cada estación climatológica del Quintana Roo.

Estación	Características máximas registradas de la sequía meteorológica								Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de / máx		1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I [*] (mm/año)	respecto a X_c	I máx(mm/año)	D / máx(años)	respecto a X_c		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA23002	218.8	1.0	218.8	24.0	218.8	1.0	24.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA23003	2343.5	9.0	260.3	20.0	572.8	1.0	45.0	72.7	0.0	18.1	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0
HA23004	626.4	3.0	208.8	16.0	367.5	1.0	28.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA23009	1248.3	8.0	155.0	18.0	595.5	1.0	70.0	60.0	0.0	0.0	20.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
HA23010	641.8	2.0	320.9	30.0	320.9	2.0	30.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA23011	4593.1	15.0	306.2	23.0	306.2	15.0	23.0	85.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA23014	548.7	1.0	548.7	50.0	548.7	1.0	50.0	16.6	66.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA23015	717.6	4.0	179.3	14.0	359.7	1.0	29.0	62.5	12.5	0.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA23019	428.3	1.0	428.3	40.0	428.3	1.0	40.0	87.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA23022	1056.3	2.0	528.1	51.0	528.1	2.0	51.0	0.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA23023	784.1	3.0	261.3	20.0	261.3	3.0	20.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA23024	1329.0	3.0	443.0	37.0	718.7	1.0	61.0	40.0	10.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA23025	942.7	2.0	471.3	41.0	490.2	1.0	43.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA23029	1592.3	4.0	398.0	33.0	482.4	1.0	40.0	25.0	0.0	25.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA23031	1254.6	9.0	139.4	13.0	208.9	3.0	19.0	50.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0
HA23032	959.5	5.0	191.9	15.0	285.1	2.0	22.0	45.4	36.3	9.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
HA23033	1214.8	3.0	404.9	28.0	404.9	3.0	28.0	25.0	25.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA23040	1164.9	3.0	388.3	26.0	388.3	3.0	26.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA23042	1176.3	3.0	392.1	26.0	395.2	1.0	27.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA23043	1112.2	4.0	278.0	23.0	278.0	4.0	23.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.172. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del Quintana Roo.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _c (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _{p min} (mm)	H _{p min}
Cozumel	1169.5	1102.9	319.1	1.0	5.6	0.27	1099.0	910.0	772.0	605.0	314.0	58.0	11.0	585.0	21.5
Felipe Carrillo Puerto	1203.7	1214.3	278.1	0.8	4.7	0.23	1219.0	962.0	793.0	631.0	419.0	260.0	6.5	762.5	11.4
Isla Mujeres	1205.9	1158.1	310.9	1.3	5.7	0.26	1165.0	962.0	815.0	651.0	369.0	86.0	9.4	675.7	18.1
Othón P. Blanco	1257.5	1189.8	302.0	1.6	6.2	0.24	1213.0	1038.0	926.0	818.0	675.0	564.0	5.8	884.2	13.1
Benito Juárez	1282.3	1269.6	393.2	1.4	6.9	0.31	1253.0	1021.0	870.0	724.0	532.0	384.0	11.1	646.0	29.1
José María Morelos	1152.6	1117.7	256.2	0.8	4.3	0.22	1157.0	946.0	808.0	676.0	506.0	378.0	5.9	808.0	10.0
Lázaro Cárdenas	1211.1	1125.8	298.8	1.6	6.3	0.25	1103.0	971.0	866.0	703.0	382.0	124.0	6.0	806.3	13.5
Estatal	1210.1	1178.9	225.6	1.5	7.4	0.19	1175.0	1019.0	910.0	791.0	600.0	423.0	5.4	891.4	11.2

Tabla C.173. Características estadísticas de la lluvia anual de cada municipio del estado de Quintana Roo.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Cozumel	750.6	916.1	1081.7	1247.2	1412.8	1578.4	1743.9	1909.5	2075.0	2240.6	5.2	10.5	34.2	18.4	10.5	13.1	5.2	0.0	0.0	2.6
Felipe Carrillo Puerto	895.5	1028.5	1161.5	1294.5	1427.6	1560.6	1693.6	1826.6	1959.6	2092.6	10.5	21.0	13.1	23.6	13.1	10.5	5.2	0.0	0.0	2.6
Isla Mujeres	828.1	980.6	1133.0	1285.4	1437.9	1590.3	1742.7	1895.1	2047.6	2200.0	5.2	13.1	26.3	21.0	21.0	2.6	2.6	2.6	2.6	2.6
Othón P. Blanco	1014.4	1144.7	1274.9	1405.1	1535.4	1665.6	1795.8	1926.0	2056.3	2186.5	15.7	23.6	23.6	15.7	7.8	5.2	0.0	2.6	0.0	5.2
Benito Juárez	847.9	1049.7	1251.6	1453.4	1655.3	1857.1	2059.0	2260.8	2462.7	2664.5	7.8	21.0	18.4	34.2	7.8	2.6	2.6	2.6	0.0	2.6
José María Morelos	912.9	1017.8	1122.7	1227.6	1332.6	1437.5	1542.4	1647.3	1752.2	1857.1	23.3	6.6	20.0	16.6	16.6	3.3	6.6	0.0	3.3	3.3
Lázaro Cárdenas	945.7	1085.0	1224.4	1363.8	1503.2	1642.5	1781.9	1921.3	2060.6	2200.0	10.5	31.5	18.4	21.0	7.8	0.0	2.6	2.6	2.6	2.6
Estatal	1007.8	1124.2	1240.6	1357.0	1473.4	1589.7	1706.1	1822.5	1938.9	2055.3	18.4	18.4	26.3	18.4	5.2	10.5	0.0	0.0	0.0	2.6

Tabla C.174. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Quintana Roo.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años)	Tipo de
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	lluvia disponible		para	sequía
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c	H _p disp S(mm)	H _p disp S(mm)		Meteorológica
Cozumel	4.8	1.1	2.7	0.9	570.8	239.7	211.4	18.0	958.0	3.9	MUY SEVERA	
Felipe Carrillo Puerto	5.6	2.4	2.5	1.4	583.6	422.0	233.4	19.0	970.2	4.8	MUY SEVERA	
Isla Mujeres	6.0	1.2	3.8	1.7	710.2	462.2	186.8	15.0	1019.1	3.8	EXTREMADAMENTE SEVERA	
Othón P. Blanco	3.5	1.8	2.0	1.5	366.9	348.0	183.4	14.0	1074.0	4.1	MUY SEVERA	
Benito Juárez	6.0	3.1	3.4	3.2	844.8	813.8	248.4	19.0	1033.8	4.7	EXTREMADAMENTE SEVERA	
José María Morelos	4.0	1.5	2.1	1.2	370.3	337.4	176.3	15.0	976.2	4.3	MUY SEVERA	
Lázaro Cárdenas	6.0	3.2	3.8	2.7	691.6	539.8	182.0	15.0	1029.0	3.2	EXTREMADAMENTE SEVERA	
Estatal	4.2	1.8	2.4	1.8	348.9	335.0	145.3	12.0	1064.8	3.8	MUY SEVERA	

Tabla C.175. Características de la sequía promedio de cada municipio del estado de Quintana Roo.

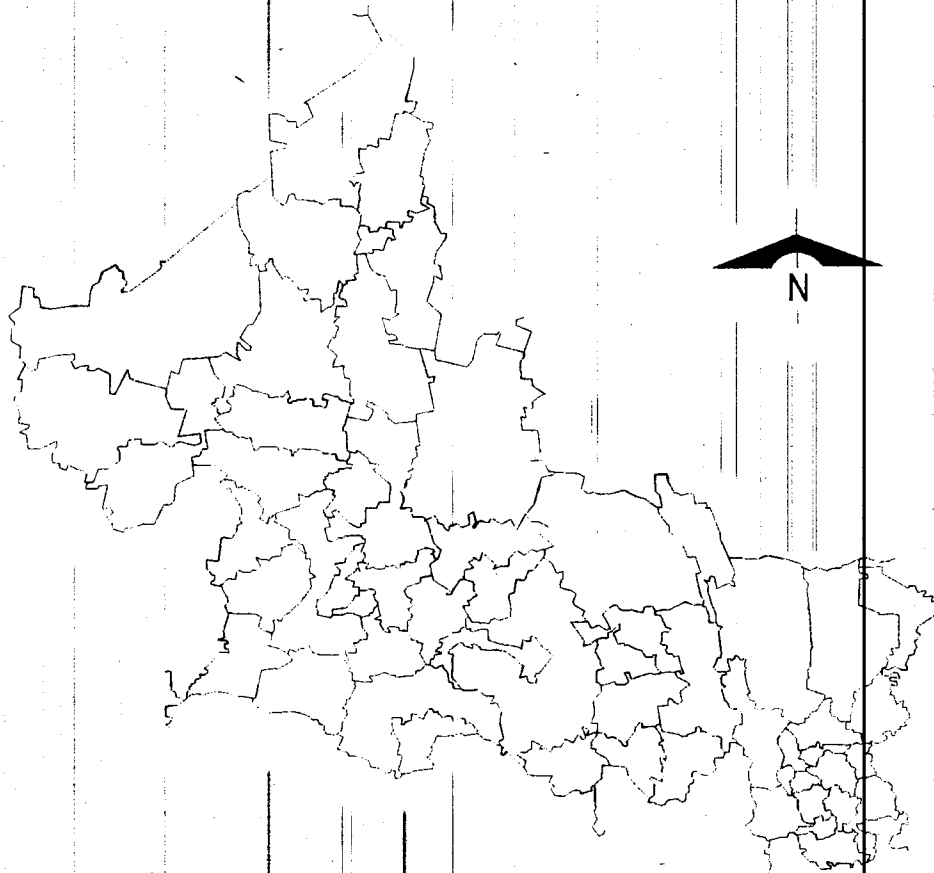
Municipio	Características máximas de la sequía meteorológica municipal						Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I	Intensidad	Duración / máx	% de I	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
Municipio	$S_{máx}(mm)$	$D_{máx}(años)$	$I (mm/año)$	respecto a X_c	$I (mm/año)$	$D (años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Cozumel	983.0	3.0	327.6	28.0	327.6	3.0	28.0	12.5	25.0	37.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Felipe C Puerto	1434.1	5.0	286.8	23.0	398.3	1.0	33.0	42.8	0.0	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Isla Mujeres	1570.7	7.0	224.3	18.0	224.3	7.0	18.0	16.6	0.0	16.6	50.0	0.0	0.0	16.6	0.0	0.0	0.0
Othón P. Blanco	1159.1	6.0	193.1	15.0	358.8	1.0	28.0	54.5	18.1	9.0	9.0	0.0	9.0	0.0	0.0	0.0	0.0
Benito Juárez	2147.5	10.0	214.7	16.0	431.7	4.0	33.0	50.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	16.6
José Ma Morelos	921.3	3.0	307.1	26.0	307.1	3.0	26.0	37.5	37.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Lázaro Cárdenas	1529.6	9.0	169.9	14.0	253.0	5.0	20.0	33.3	0.0	16.6	16.6	16.6	0.0	0.0	0.0	16.6	0.0
Estatal	1088.9	7.0	155.5	12.0	252.3	2.0	20.0	44.4	22.2	11.1	11.1	0.0	0.0	11.1	0.0	0.0	0.0

Tabla C.176. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Quintana Roo.

Municipio	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I	Intensidad	Duración / máx	% de I	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
Cozumel	983.0	3.0	327.6	28.0	327.6	3.0	28.0	12.5	25.0	37.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Felipe C Puerto	1434.1	5.0	286.8	23.0	398.3	1.0	33.0	42.8	0.0	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Isla Mujeres	1570.7	7.0	224.3	18.0	224.3	7.0	18.0	16.6	0.0	16.6	50.0	0.0	0.0	16.6	0.0	0.0	0.0
Othón P. Blanco	1159.1	6.0	193.1	15.0	358.8	1.0	28.0	54.5	18.1	9.0	9.0	0.0	9.0	0.0	0.0	0.0	0.0
Benito Juárez	2147.5	10.0	214.7	16.0	431.7	4.0	33.0	50.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	16.6
José Ma Morelos	921.3	3.0	307.1	26.0	307.1	3.0	26.0	37.5	37.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Lázaro Cárdenas	1529.6	9.0	169.9	14.0	253.0	5.0	20.0	33.3	0.0	16.6	16.6	16.6	0.0	0.0	0.0	16.6	0.0
Estatal	1088.9	7.0	155.5	12.0	252.3	2.0	20.0	44.4	22.2	11.1	11.1	0.0	0.0	11.1	0.0	0.0	0.0

Municipio	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I	Intensidad	Duración / máx	% de I	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
Cozumel	983.0	3.0	327.6	28.0	327.6	3.0	28.0	12.5	25.0	37.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Felipe C Puerto	1434.1	5.0	286.8	23.0	398.3	1.0	33.0	42.8	0.0	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Isla Mujeres	1570.7	7.0	224.3	18.0	224.3	7.0	18.0	16.6	0.0	16.6	50.0	0.0	0.0	16.6	0.0	0.0	0.0
Othón P. Blanco	1159.1	6.0	193.1	15.0	358.8	1.0	28.0	54.5	18.1	9.0	9.0	0.0	9.0	0.0	0.0	0.0	0.0
Benito Juárez	2147.5	10.0	214.7	16.0	431.7	4.0	33.0	50.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	16.6
José Ma Morelos	921.3	3.0	307.1	26.0	307.1	3.0	26.0	37.5	37.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Lázaro Cárdenas	1529.6	9.0	169.9	14.0	253.0	5.0	20.0	33.3	0.0	16.6	16.6	16.6	0.0	0.0	0.0	16.6	0.0
Estatal	1088.9	7.0	155.5	12.0	252.3	2.0	20.0	44.4	22.2	11.1	11.1	0.0	0.0	11.1	0.0	0.0	0.0

SAN LUÍS POTOSÍ



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años) primer decil	lluvia mínima registrada (mm)	Tr(años) para Hp min
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años			
	X _a (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)			
HA24002	1711.6	1759.2	472.2	0.1	3.0	0.28	1752.0	1162.0	1036.0	891.0	601.0	332.0	5.3	971.2	14.0
HA24003	2267.5	2169.9	676.6	0.0	2.8	0.30	2224.0	1667.0	1372.0	1099.0	752.0	492.0	14.7	959.1	28.9
HA24004	583.1	617.0	196.2	0.3	3.6	0.34	601.0	357.0	294.0	193.0	24.0	0.0	8.3	236.2	15.5
HA24005	1487.7	1526.5	385.8	0.5	3.3	0.26	1494.0	1059.0	1002.0	865.0	546.0	304.0	3.3	956.9	14.0
HA24006	662.4	671.3	118.3	0.3	5.5	0.18	665.0	578.0	519.0	460.0	379.0	312.0	12.0	454.5	21.4
HA24007	416.4	412.3	189.9	2.2	12.0	0.46	325.0	211.0	45.0	0.0	0.0	0.0	3.1	158.4	6.6
HA24008	606.7	603.0	257.4	0.2	3.1	0.42	579.0	376.0	277.0	177.0	29.0	0.0	11.4	158.1	22.6
HA24009	1529.4	1523.6	359.0	0.1	4.0	0.23	1515.0	1266.0	1110.0	962.0	771.0	628.0	31.7	707.0	68.1
HA24010	391.0	376.1	189.1	0.8	3.9	0.48	309.0	201.0	141.0	61.0	0.0	0.0	3.2	166.0	7.6
HA24011	597.7	598.9	163.8	0.0	4.9	0.27	593.0	490.0	411.0	319.0	176.0	58.0	22.0	234.8	34.9
HA24013	327.7	315.3	141.9	0.2	2.3	0.43	307.0	198.0	154.0	113.0	60.0	19.0	8.7	116.0	18.9
HA24015	855.0	882.0	249.5	-0.3	3.3	0.29	874.0	672.0	538.0	408.0	234.0	101.0	17.1	339.3	28.7
HA24016	1914.6	1907.5	454.2	0.3	3.3	0.24	1871.0	1521.0	1311.0	1101.0	810.0	575.0	8.9	1164.5	16.3
HA24017	968.4	972.3	214.0	-0.1	2.8	0.22	968.0	782.0	689.0	603.0	495.0	415.0	16.2	553.3	30.4
HA24018	1105.6	1121.2	315.7	0.1	3.5	0.29	1098.0	870.0	726.0	583.0	389.0	235.0	14.6	518.3	27.3
HA24020	1050.7	1047.4	396.7	-0.3	5.4	0.38	1060.0	796.0	635.0	482.0	285.0	137.0	33.0	222.9	66.8
HA24021	425.7	456.3	129.0	-0.3	3.1	0.30	440.0	317.0	248.0	183.0	101.0	40.0	13.0	177.7	21.2
HA24022	297.9	316.0	78.9	-0.6	4.4	0.26	308.0	243.0	200.0	159.0	105.0	65.0	24.8	114.5	42.8
HA24024	378.3	369.2	140.0	0.0	2.4	0.37	374.0	250.0	193.0	142.0	76.0	27.0	10.3	142.2	19.8
HA24025	1284.9	1309.1	362.5	0.2	3.7	0.28	1328.0	878.0	747.0	491.0	161.0	0.0	9.0	628.6	13.7
HA24026	1946.6	1961.0	550.0	-0.5	3.0	0.28	2006.0	1497.0	1230.0	985.0	675.0	445.0	25.5	699.2	46.5
HA24027	1444.4	1455.0	322.8	0.3	3.1	0.22	1411.0	1162.0	1014.0	867.0	664.0	501.0	13.0	820.3	24.8
HA24028	1074.2	1060.7	292.9	0.7	5.0	0.27	1034.0	823.0	677.0	517.0	272.0	65.0	8.2	588.0	14.9
HA24030	585.2	573.0	174.5	0.8	3.8	0.30	556.0	445.0	359.0	255.0	81.0	0.0	6.8	351.5	10.6
HA24033	340.6	338.0	107.6	0.3	3.5	0.32	330.0	251.0	203.0	156.0	91.0	40.0	11.2	152.0	21.2
HA24034	507.2	492.5	182.1	-0.3	3.6	0.36	521.0	367.0	265.0	166.0	33.0	0.0	16.4	119.5	27.6
HA24035	700.2	644.9	240.1	0.9	3.5	0.34	523.5	311.3	170.7	35.9	0.0	0.0	2.7	353.5	4.1
HA24036	939.2	918.1	250.7	0.8	4.8	0.27	933.0	687.0	610.0	506.0	303.0	131.0	5.7	563.6	14.1
HA24037	1384.5	1407.7	392.8	-0.8	5.6	0.28	1423.0	1121.0	916.0	710.0	430.0	210.0	42.1	303.6	74.7
HA24038	340.5	355.4	119.7	0.3	5.9	0.35	343.0	264.0	211.0	159.0	86.0	27.0	28.4	71.5	59.9
HA24039	1248.7	1246.1	335.9	0.1	4.7	0.27	1236.0	1029.0	889.0	743.0	530.0	347.0	34.4	464.0	64.9
HA24040	471.0	458.8	139.1	0.6	3.6	0.30	462.0	362.0	297.0	234.0	151.0	86.0	12.3	210.0	26.1
HA24041	400.8	390.0	168.8	0.4	3.3	0.42	396.0	258.0	164.0	69.0	0.0	0.0	7.7	136.5	12.2
HA24042	392.7	393.0	131.1	0.4	3.1	0.33	383.0	292.0	233.0	172.0	85.0	12.0	14.2	141.0	28.1
HA24043	1491.9	1493.6	329.0	0.1	3.8	0.22	1477.0	1236.0	1082.0	931.0	732.0	577.0	18.8	803.3	36.1
HA24044	320.1	312.5	138.8	0.3	3.8	0.43	301.0	220.0	171.0	125.0	64.0	17.0	24.3	58.0	54.5
HA24045	658.7	677.1	174.2	0.0	2.7	0.26	652.0	513.0	430.0	352.0	252.0	177.0	9.2	381.6	15.3
HA24046	384.3	366.1	109.9	0.6	3.3	0.29	366.0	295.0	253.0	213.0	162.0	123.0	7.0	234.7	13.8

Tabla C.177. Características estadísticas de la lluvia anual de cada estación climatológica del estado de San Luis Potosí.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos					de retorno (Tr)	Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _o (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _{p min} (mm)	H _{p min}
HA24047	1096.0	1115.3	213.6	-0.2	2.4	0.19	1105.0	915.0	806.0	705.0	576.0	480.0	9.7	743.0	15.4
HA24048	321.0	267.8	178.4	1.8	7.7	0.56	238.0	167.0	103.0	0.0	0.0	0.0	3.1	122.3	8.4
HA24049	1467.4	1546.7	313.5	-0.2	3.5	0.21	1506.0	1160.0	983.0	814.0	585.0	406.0	9.5	869.1	16.0
HA24050	697.4	682.0	236.8	0.1	2.2	0.34	670.0	486.0	391.0	303.0	192.0	109.0	7.8	344.0	14.4
HA24052	387.1	375.3	109.1	1.0	5.1	0.28	362.0	307.0	268.0	223.0	144.0	70.0	15.4	194.0	29.2
HA24053	2113.4	2070.4	710.0	0.6	3.6	0.34	2016.0	1510.0	1190.0	869.0	423.0	60.0	7.3	1049.2	13.6
HA24054	611.1	597.8	169.1	0.5	3.6	0.28	619.0	497.0	418.0	343.0	247.0	174.0	9.1	368.0	15.9
HA24055	350.3	349.0	111.9	0.0	2.8	0.32	341.0	255.0	211.0	168.0	112.0	68.0	17.9	131.9	36.3
HA24056	1063.1	1153.6	240.0	-1.0	4.1	0.23	1163.0	769.0	646.0	565.0	470.0	401.0	8.4	595.3	15.2
HA24057	326.4	328.0	112.5	0.2	4.0	0.34	328.0	244.0	190.0	138.0	72.0	22.0	10.9	140.0	19.5
HA24058	491.6	492.0	129.5	0.1	3.6	0.26	500.0	387.0	309.0	229.0	116.0	22.0	7.8	285.8	12.2
HA24059	405.7	388.0	211.3	0.7	3.2	0.52	348.0	212.0	175.0	130.0	31.0	0.0	5.9	134.9	18.8
HA24060	641.8	667.5	183.3	-0.4	3.4	0.29	643.0	500.0	416.0	337.0	236.0	160.0	33.4	206.2	65.5
HA24061	326.0	330.3	124.5	0.2	3.2	0.38	328.0	215.0	139.0	64.0	0.0	0.0	8.2	108.9	13.2
HA24063	940.8	990.7	315.8	-0.1	2.8	0.34	1001.0	625.0	472.0	338.0	168.0	42.0	10.9	338.7	19.9
HA24064	1564.7	1697.2	359.7	-0.7	2.8	0.23	1717.0	1134.0	982.0	904.0	815.0	750.0	9.6	874.5	26.9
HA24065	1076.4	1064.1	527.7	2.0	10.7	0.49	889.0	582.0	293.0	0.0	0.0	0.0	2.2	539.3	6.1
HA24066	339.6	343.5	131.0	0.2	3.2	0.39	338.0	237.0	172.0	110.0	31.0	0.0	8.3	140.0	14.3
HA24067	402.8	396.1	171.1	1.3	8.8	0.42	276.9	125.7	25.5	0.0	0.0	0.0	4.3	54.5	8.1
HA24068	824.5	799.7	187.2	0.1	3.1	0.23	798.0	678.0	607.0	541.0	456.0	393.0	26.1	443.1	57.8
HA24069	366.8	357.6	116.2	0.4	3.4	0.32	351.0	267.0	214.0	164.0	96.0	44.0	19.0	113.0	40.0
HA24071	590.9	498.9	176.1	0.5	2.6	0.30	501.0	448.0	421.0	394.0	353.0	312.0	37.1	304.0	112.0
HA24072	1822.0	1809.8	530.0	0.0	2.2	0.29	1825.0	1338.0	1143.0	966.0	743.0	578.0	9.6	979.0	19.0
HA24073	370.8	307.7	202.8	2.1	9.1	0.55	318.0	237.0	181.0	121.0	23.0	0.0	5.0	148.1	14.8
HA24074	280.2	282.0	115.3	0.2	3.1	0.41	289.0	198.0	136.0	73.0	0.0	0.0	8.8	107.0	13.8
HA24075	367.1	331.0	140.5	0.8	4.6	0.38	324.0	269.0	232.0	187.0	101.0	14.0	11.6	168.7	25.3
HA24076	1216.3	1268.6	335.0	-0.1	2.7	0.28	1265.0	874.0	738.0	616.0	457.0	333.0	9.7	619.2	19.6
HA24077	466.5	491.8	215.9	0.7	3.7	0.46	441.0	242.0	181.0	78.0	0.0	0.0	3.3	192.0	8.9
HA24078	380.1	372.6	127.3	0.5	3.7	0.33	387.0	358.0	304.0	200.0	67.0	0.0	21.8	138.3	30.5
HA24079	1308.2	1164.1	451.3	0.7	3.7	0.34	1049.0	914.0	852.0	789.0	680.0	547.0	3.4	814.1	15.3
HA24081	331.1	308.6	132.1	1.4	6.9	0.40	317.0	232.0	171.0	105.0	0.0	0.0	9.6	104.0	20.3
HA24082	2910.8	2906.9	547.0	0.0	3.2	0.19	2876.0	2498.0	2269.0	2053.0	1777.0	1570.0	15.9	1923.3	30.7
HA24084	2237.1	2268.3	503.4	-0.3	2.9	0.23	2232.0	1797.0	1574.0	1369.0	1110.0	917.0	16.3	1243.7	31.1
HA24085	1175.2	1170.3	289.3	-0.1	2.5	0.25	1172.0	928.0	786.0	652.0	482.0	355.0	12.6	645.0	20.8
HA24086	1506.6	1486.9	451.9	-0.2	3.2	0.30	1541.0	1163.0	925.0	699.0	407.0	188.0	15.0	615.4	25.9
HA24087	1632.5	1601.8	545.5	0.6	4.4	0.33	1529.0	1175.0	948.0	712.0	362.0	65.0	7.3	864.0	12.9
HA24088	1395.9	1366.9	409.5	0.1	3.1	0.29	1396.0	992.0	778.0	574.0	302.0	90.0	7.3	712.5	12.5
HA24090	1696.5	1673.4	547.5	-0.1	2.7	0.32	1659.0	1245.0	1011.0	794.0	517.0	310.0	14.6	701.8	27.0

Tabla C.177. Características estadísticas de la lluvia anual de cada estación climatológica del estado de San Luis Potosí.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _o (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp mín(mm)	Hp mín
HA24091	2023.4	2006.9	543.4	0.0	3.0	0.27	2027.0	1565.0	1268.0	985.0	620.0	347.0	13.7	933.8	22.7
HA24092	1973.6	2120.5	528.7	-0.5	2.6	0.27	2128.0	1439.0	1146.0	887.0	562.0	322.0	12.3	887.2	20.0
HA24093	348.8	333.0	138.3	1.1	5.8	0.40	332.0	263.0	218.0	174.0	114.0	66.0	18.3	119.8	45.8
HA24095	798.2	793.2	230.9	0.0	3.2	0.29	783.0	612.0	507.0	406.0	272.0	169.0	19.6	321.5	35.7
HA24096	496.5	421.5	299.0	2.7	14.1	0.60	444.0	300.0	201.0	95.0	0.0	0.0	6.1	113.0	17.9
HA24097	458.7	449.3	160.1	-0.1	2.8	0.35	448.0	335.0	270.0	209.0	130.0	72.0	17.1	164.4	33.4
HA24098	358.1	345.0	159.7	1.0	4.3	0.45	315.0	219.0	145.0	54.0	0.0	0.0	5.9	139.0	10.5
HA24100	300.8	279.8	126.0	0.8	3.2	0.42	274.0	200.0	154.0	110.0	53.0	8.0	5.1	154.5	9.9
HA24101	295.6	267.0	173.7	1.5	6.0	0.59	199.0	144.0	46.0	0.0	0.0	0.0	4.1	82.2	8.5
HA24102	299.9	284.1	150.6	0.6	3.9	0.50	273.0	172.0	108.0	43.0	0.0	0.0	7.4	74.0	14.5
HA24103	492.7	515.5	188.0	0.0	3.0	0.38	497.0	343.0	243.0	147.0	20.0	0.0	11.7	152.5	19.3
HA24105	2833.4	2961.0	821.2	0.0	3.9	0.29	2229.0	1503.0	1022.3	561.2	0.0	0.0	3.9	1356.2	6.2
HA24106	330.6	322.0	96.8	1.0	5.4	0.29	326.0	260.0	214.0	168.0	99.0	36.0	10.1	171.5	19.0
HA24108	821.5	851.3	328.6	0.3	5.5	0.40	804.0	606.0	475.0	342.0	155.0	0.0	20.1	214.0	37.8
HA24109	329.2	323.0	124.6	0.2	4.0	0.38	327.0	233.0	169.0	102.0	6.0	0.0	17.2	54.0	32.0
HA24110	618.2	586.8	169.1	0.5	3.0	0.27	573.0	467.0	422.0	308.0	155.0	41.0	13.4	311.8	19.6
HA24113	1110.3	1140.5	320.8	-0.4	4.3	0.29	1087.0	823.0	667.0	522.0	336.0	197.0	15.6	466.1	26.3
HA24114	523.5	540.3	169.0	0.2	2.7	0.32	511.0	401.0	334.0	271.0	189.0	128.0	12.4	255.8	23.6
HA24115	541.5	558.3	191.8	-0.1	3.0	0.35	558.0	388.0	274.0	163.0	14.0	0.0	12.4	156.8	20.8
HA24116	565.4	559.5	250.9	1.3	5.9	0.44	528.0	387.0	280.0	147.0	0.0	0.0	9.6	178.5	17.3
HA24117	1655.4	1652.9	549.1	-0.1	3.6	0.33	1608.0	1244.0	1024.0	817.0	552.0	354.0	31.2	479.3	64.4
HA24122	1792.5	1598.8	603.6	-0.2	3.7	0.34	1609.0	1319.0	1167.0	1027.0	849.0	716.0	51.2	649.2	142.3
HA24124	883.2	826.7	282.0	1.2	7.0	0.32	812.0	664.0	559.0	431.0	203.0	0.0	9.2	462.4	17.2
HA24125	2753.4	2971.5	1050.0	-0.5	4.0	0.38	3011.0	1786.0	1185.0	663.0	17.0	0.0	11.4	728.6	18.3
HA24133	1208.9	1113.0	343.6	-0.1	3.7	0.28	1192.0	932.0	775.0	628.0	438.0	297.0	12.2	625.0	20.3
HA24134	335.7	336.0	159.9	1.4	7.3	0.48	303.0	209.0	129.0	16.0	0.0	0.0	6.7	109.0	11.6
HA24136	991.4	958.5	353.9	-0.1	4.7	0.36	1006.0	716.0	529.0	350.0	118.0	0.0	10.5	392.0	17.0
HA24137	1530.7	1754.7	525.0	-0.7	3.8	0.34	1709.0	1016.0	820.0	654.0	448.0	297.0	14.8	561.9	29.9
HA24138	1522.6	1553.8	626.9	-0.1	3.0	0.41	1498.0	1059.0	791.0	537.0	212.0	0.0	12.7	507.4	21.7
HA24139	960.9	1010.2	313.3	0.5	5.9	0.33	946.0	717.0	540.0	333.0	3.0	0.0	7.8	494.8	11.7
HA24142	515.7	545.1	127.9	-0.6	4.2	0.25	537.0	413.0	342.0	276.0	193.0	131.0	14.5	262.8	23.1
HA24144	336.3	330.8	89.6	-0.2	4.4	0.27	324.0	266.0	230.0	197.0	154.0	122.0	19.1	168.6	36.3
HA24145	339.0	355.8	91.0	-0.1	4.0	0.27	344.0	271.0	223.0	177.0	116.0	70.0	8.8	202.0	13.7
HA24146	247.1	245.3	70.7	0.1	3.9	0.29	238.0	185.0	153.0	124.0	85.0	57.0	11.2	126.0	18.9
HA24148	279.8	288.3	89.3	-0.5	4.2	0.32	214.1	135.1	82.8	32.7	0.0	0.0	3.5	137.3	4.9
HA24152	260.7	243.5	102.8	0.6	5.0	0.39	238.0	189.0	159.0	131.0	94.0	67.0	14.2	110.0	33.7
HA24154	307.5	277.8	126.4	0.7	4.4	0.41	273.0	212.0	176.0	142.0	99.0	67.0	7.0	156.0	15.1
HA24158	320.1	319.3	83.2	0.0	3.0	0.26	311.0	257.0	226.0	196.0	159.0	130.0	17.2	175.1	33.5
HA24173	501.1	480.1	172.1	1.5	6.2	0.34	462.0	382.0	332.0	282.0	214.0	158.0	6.2	299.4	15.7

Tabla C.177. Características estadísticas de la lluvia anual de cada estación climatológica del estado de San Luis Potosí.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA24002	1152.1	1332.9	1513.8	1694.6	1875.5	2056.4	2237.2	2418.1	2598.9	2779.8	20.8	8.3	4.1	12.5	12.5	16.6	8.3	0.0	4.1	
HA24003	1219.2	1479.3	1739.4	1999.5	2259.6	2519.6	2779.7	3039.8	3299.9	3560.0	4.1	8.3	12.5	4.1	25.0	8.3	8.3	16.6	8.3	4.1
HA24004	312.8	389.4	465.9	542.5	619.1	695.7	772.3	848.8	925.4	1002.0	8.0	2.0	8.0	12.0	16.0	20.0	12.0	4.0	0.0	8.0
HA24005	1097.1	1237.3	1377.4	1517.6	1657.8	1798.0	1938.2	2078.3	2218.5	2358.7	25.0	8.3	4.1	12.5	20.8	8.3	12.5	0.0	4.1	4.1
HA24006	504.2	553.8	603.4	653.1	702.7	752.4	802.0	851.7	901.3	951.0	11.7	0.0	17.6	5.8	35.2	11.7	11.7	0.0	0.0	5.8
HA24007	269.6	380.9	492.1	603.3	714.6	825.8	937.0	1048.2	1159.5	1270.7	18.1	7.2	29.5	11.3	11.3	0.0	0.0	0.0	0.0	2.2
HA24008	258.4	358.7	459.0	559.3	659.6	759.9	860.2	960.5	1060.8	1161.1	8.0	2.0	8.0	20.0	12.0	12.0	16.0	4.0	0.0	8.0
HA24009	865.2	1023.4	1181.6	1339.8	1498.0	1656.2	1814.4	1972.6	2130.8	2289.0	4.1	0.0	8.3	16.6	16.6	20.8	12.5	8.3	8.3	4.1
HA24010	239.1	312.2	385.3	458.4	531.5	604.6	677.7	750.8	823.9	897.0	24.0	20.0	8.0	8.0	16.0	16.0	4.0	0.0	0.0	4.0
HA24011	305.4	375.9	446.5	517.1	587.6	658.2	728.8	799.4	869.9	940.5	5.8	0.0	5.8	17.6	11.7	35.2	5.8	5.8	5.8	5.8
HA24013	162.3	208.5	254.8	301.0	347.3	393.5	439.8	486.0	532.3	578.5	15.3	7.6	11.5	15.3	0.0	15.3	7.6	11.5	7.6	7.6
HA24015	437.2	535.0	632.9	730.8	828.7	926.5	1024.4	1122.3	1220.1	1318.0	4.1	8.3	8.3	8.3	12.5	16.6	20.8	8.3	4.1	8.3
HA24016	1345.2	1525.8	1706.5	1887.1	2067.8	2248.4	2429.1	2609.7	2790.4	2971.0	8.3	6.6	8.3	16.6	16.6	0.0	20.8	8.3	0.0	4.1
HA24017	628.6	703.8	779.1	854.3	929.6	1004.9	1080.1	1155.4	1230.6	1305.9	4.7	9.5	4.7	14.2	9.5	14.2	14.2	4.7	4.7	19.0
HA24018	647.8	777.2	906.7	1036.1	1165.6	1295.1	1424.5	1554.0	1683.4	1812.9	8.3	4.1	16.6	12.5	16.6	16.6	4.1	16.6	0.0	4.1
HA24020	373.4	523.9	674.3	824.8	975.3	1125.8	1276.3	1426.7	1577.2	1727.7	8.3	0.0	8.3	0.0	16.6	33.3	8.3	8.3	8.3	8.3
HA24021	222.4	267.1	311.7	356.4	401.1	445.8	490.5	535.1	579.8	624.5	5.8	0.0	23.5	0.0	11.7	5.8	17.6	17.6	5.8	11.7
HA24022	146.7	178.8	211.0	243.1	275.3	307.4	339.6	371.7	403.8	436.0	5.8	0.0	5.8	11.7	11.7	5.8	29.4	17.6	5.8	5.8
HA24024	191.0	239.9	288.7	337.5	386.3	435.2	484.0	532.8	581.7	630.5	8.6	3.0	8.6	8.6	17.3	0.0	13.0	13.0	13.0	4.3
HA24025	784.6	940.6	1096.7	1252.7	1408.7	1564.7	1720.7	1876.8	2032.8	2188.8	11.1	1.1	7.4	11.1	11.1	33.3	7.4	0.0	3.7	3.7
HA24026	902.4	1105.6	1308.8	1512.0	1715.2	1918.4	2121.6	2324.8	2528.0	2731.2	3.7	3.7	7.4	7.4	11.1	7.4	14.8	11.1	18.5	14.8
HA24027	959.0	1097.6	1236.3	1374.9	1513.6	1652.2	1790.9	1929.5	2068.2	2206.8	8.1	2.7	18.9	13.5	16.2	13.5	13.5	5.4	5.4	2.7
HA24028	719.3	850.6	981.9	1113.2	1244.5	1375.8	1507.1	1638.4	1769.7	1901.0	8.3	6.6	4.1	37.5	0.0	25.0	4.1	0.0	0.0	4.1
HA24030	409.2	466.9	524.6	582.3	640.0	697.7	755.4	813.1	870.8	928.5	16.6	11.1	5.5	16.6	27.7	5.5	0.0	0.0	0.0	16.6
HA24033	195.4	238.8	282.2	325.6	369.0	412.4	455.8	499.2	542.6	586.0	9.0	9.0	13.6	13.6	18.1	9.0	13.6	9.0	0.0	4.5
HA24034	194.3	269.1	344.0	418.8	493.6	568.4	643.2	718.1	792.9	867.7	8.0	4.0	4.0	12.0	24.0	4.0	24.0	12.0	0.0	8.0
HA24035	444.9	536.3	627.6	719.0	810.4	901.8	993.2	1084.5	1175.9	1267.3	9.3	21.8	15.6	12.5	9.3	15.6	0.0	6.2	3.1	6.2
HA24036	672.2	780.7	889.3	997.9	1106.5	1215.0	1323.6	1432.2	1540.7	1649.3	12.5	25.0	8.3	16.6	12.5	16.6	4.1	0.0	0.0	4.1
HA24037	483.5	663.4	843.3	1023.2	1203.1	1382.9	1562.8	1742.7	1922.6	2102.5	4.7	0.0	0.0	9.5	14.2	14.2	28.5	14.2	9.5	4.7
HA24038	131.6	191.8	251.9	312.0	372.2	432.3	492.4	552.5	612.7	672.8	4.1	4.1	8.3	20.8	20.8	29.1	4.1	4.1	0.0	4.1
HA24039	621.1	778.2	935.3	1092.4	1249.5	1406.6	1563.7	1720.8	1877.9	2035.0	4.1	4.1	8.3	12.5	20.8	25.0	8.3	8.3	4.1	4.1
HA24040	278.2	346.4	414.5	482.7	550.9	619.1	687.3	755.4	823.6	891.8	9.3	9.3	18.7	18.7	20.3	7.8	7.8	4.6	1.5	1.5
HA24041	199.6	262.7	325.8	388.9	452.1	515.2	578.3	641.4	704.5	767.6	20.6	0.0	10.3	17.2	17.2	13.7	10.3	0.0	3.4	6.8
HA24042	202.5	264.0	325.5	387.0	448.5	510.0	571.5	633.0	694.5	756.0	2.0	18.3	16.3	12.2	22.4	8.1	10.2	6.1	2.0	2.0
HA24043	944.2	1085.2	1226.1	1367.0	1508.0	1648.9	1789.8	1930.7	2071.7	2212.6	4.1	8.3	8.3	8.3	25.0	16.6	12.5	4.1	8.3	4.1
HA24044	111.6	165.2	218.7	272.3	325.9	379.5	433.1	486.6	540.2	593.8	5.5	0.0	22.2	11.1	22.2	11.1	5.5	11.1	0.0	11.1
HA24045	440.2	498.8	557.4	616.0	674.6	733.2	791.8	850.4	909.0	967.6	20.0	5.0	5.0	5.0	10.0	25.0	5.0	5.0	15.0	5.0
HA24046	273.9	313.1	352.3	391.5	430.7	470.0	509.2	548.4	587.6	626.8	20.0	10.0	10.0	20.0	10.0	5.0	5.0	15.0	0.0	5.0

Tabla C.178. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de San Luis Potosí.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA24047	811.7	880.4	949.1	1017.8	1086.5	1155.2	1223.9	1292.6	1361.3	1430.0	16.6	8.3	4.1	8.3	8.3	12.5	8.3	12.5	12.5	8.3
HA24048	201.1	279.8	358.6	437.4	516.2	594.9	673.7	752.5	831.2	910.0	33.3	20.8	20.8	0.0	16.6	4.1	0.0	0.0	0.0	4.1
HA24049	996.4	1123.6	1250.9	1378.1	1505.4	1632.7	1759.9	1887.2	2014.4	2141.7	8.3	8.3	4.1	16.6	4.1	29.1	12.5	12.5	0.0	4.1
HA24050	422.7	501.3	579.9	658.6	737.2	815.9	894.5	973.2	1051.9	1130.5	16.0	12.0	12.0	4.0	12.0	8.0	4.0	16.0	12.0	4.0
HA24052	241.5	288.9	336.4	383.8	431.2	478.7	526.2	573.6	621.1	668.5	4.0	8.0	20.0	28.0	12.0	16.0	0.0	4.0	0.0	8.0
HA24053	1332.7	1616.1	1899.6	2183.1	2466.6	2750.0	3033.5	3317.0	3600.4	3883.9	12.5	12.5	16.6	16.6	12.5	4.1	16.6	4.1	0.0	4.1
HA24054	429.0	490.0	551.0	612.0	673.0	734.0	795.0	856.0	917.0	978.0	15.7	15.7	5.2	15.7	10.5	10.5	15.7	0.0	5.2	5.2
HA24055	175.0	218.1	261.2	304.3	347.5	390.6	433.7	476.8	519.9	563.0	6.4	6.4	3.2	19.3	12.9	9.6	19.3	6.4	6.4	9.6
HA24056	670.0	744.6	819.3	894.0	968.6	1043.3	1118.0	1192.7	1267.3	1342.0	15.3	0.0	7.6	0.0	0.0	7.6	15.3	7.6	38.4	7.6
HA24057	182.8	225.5	268.3	311.0	353.8	396.6	439.3	482.1	524.8	567.6	17.6	5.8	0.0	11.7	29.4	11.7	11.7	0.0	5.8	5.8
HA24058	337.4	389.1	440.7	492.3	544.0	595.6	647.2	698.8	750.5	802.1	20.0	0.0	8.0	24.0	16.0	16.0	8.0	4.0	0.0	4.0
HA24059	203.1	271.3	339.4	407.6	475.8	544.0	612.2	680.3	748.5	816.7	16.6	22.2	5.5	11.1	11.1	11.1	5.5	0.0	5.5	11.1
HA24060	279.9	353.6	427.2	500.9	574.6	648.3	722.0	795.6	869.3	943.0	4.1	0.0	8.3	12.5	8.3	12.5	20.8	4.1	20.8	8.3
HA24061	160.6	212.2	263.9	315.6	367.3	418.9	470.6	522.3	573.9	625.6	10.0	10.0	16.6	3.3	23.3	13.3	13.3	3.3	3.3	3.3
HA24063	455.2	571.7	688.1	804.6	921.1	1037.6	1154.1	1270.5	1387.0	1503.5	8.3	8.3	12.5	8.3	8.3	16.6	12.5	8.3	8.3	8.3
HA24064	987.2	1099.8	1212.5	1325.1	1437.8	1550.4	1663.1	1775.7	1888.4	2001.0	12.5	4.1	4.1	4.1	4.1	4.1	16.6	16.6	16.6	20.8
HA24065	739.4	939.5	1139.7	1339.8	1539.9	1740.0	1940.1	2140.3	2340.4	2540.5	33.3	0.0	33.3	25.0	0.0	0.0	0.0	0.0	0.0	8.3
HA24066	188.6	237.1	285.7	334.2	382.8	431.3	479.9	528.4	577.0	625.5	20.8	4.1	4.1	16.6	16.6	20.8	4.1	0.0	8.3	4.1
HA24067	147.2	239.9	332.6	425.3	518.0	610.7	703.4	796.1	888.8	981.5	4.0	8.0	16.0	40.0	16.0	12.0	0.0	0.0	0.0	4.0
HA24068	516.2	589.3	662.4	735.5	808.6	881.6	954.7	1027.8	1100.9	1174.0	4.1	4.1	12.5	12.5	25.0	8.3	4.1	8.3	12.5	8.3
HA24069	167.3	221.6	275.9	330.2	384.5	438.9	493.2	547.5	601.8	656.1	2.6	2.6	18.4	15.7	23.6	10.5	10.5	7.8	5.2	2.6
HA24071	367.4	430.8	494.2	557.6	621.1	684.5	747.9	811.3	874.7	938.1	4.0	12.0	32.0	8.0	0.0	8.0	16.0	12.0	0.0	8.0
HA24072	1152.3	1325.7	1499.0	1672.3	1845.7	2019.0	2192.3	2365.6	2539.0	2712.3	12.5	12.5	8.3	8.3	8.3	4.1	12.5	12.5	16.6	4.1
HA24073	237.3	326.5	415.7	504.9	594.2	683.4	772.6	861.8	951.0	1040.2	23.8	28.5	28.5	0.0	4.7	9.5	0.0	0.0	0.0	4.7
HA24074	147.6	188.3	228.9	269.5	310.2	350.8	391.4	432.0	472.7	513.3	17.3	8.6	8.6	13.0	8.6	13.0	21.7	0.0	0.0	8.6
HA24075	223.0	277.4	331.7	386.0	440.3	494.7	549.0	603.3	657.7	712.0	11.7	17.6	23.5	11.7	0.0	23.5	5.8	0.0	0.0	5.8
HA24076	742.4	865.7	988.9	1112.2	1235.4	1358.6	1481.9	1605.1	1728.4	1851.6	8.3	12.5	12.5	4.1	12.5	8.3	20.8	12.5	4.1	4.1
HA24077	276.7	361.5	446.2	531.0	615.7	700.4	785.2	869.9	954.7	1039.4	25.0	14.2	7.1	17.8	14.2	10.7	0.0	7.1	0.0	3.5
HA24078	188.0	237.7	287.4	337.1	386.8	436.5	486.2	535.9	585.6	635.3	3.8	3.8	15.3	3.8	30.7	23.0	0.0	3.8	0.0	15.3
HA24079	952.1	1090.1	1228.1	1366.1	1504.1	1642.1	1780.1	1918.1	2056.1	2194.1	25.0	25.0	0.0	8.3	0.0	16.6	8.3	8.3	0.0	8.3
HA24081	175.1	246.2	317.3	388.4	459.6	530.7	601.8	672.9	744.0	815.1	4.5	22.7	25.0	25.0	11.3	2.2	4.5	2.2	0.0	2.2
HA24082	2123.8	2324.2	2524.7	2725.1	2925.5	3126.0	3326.4	3526.9	3727.3	3927.8	10.0	10.0	5.0	5.0	25.0	15.0	5.0	10.0	10.0	5.0
HA24084	1428.1	1612.4	1796.8	1981.1	2165.5	2349.9	2534.2	2718.6	2902.9	3087.3	8.3	4.1	0.0	20.8	12.5	12.5	8.3	16.6	12.5	4.1
HA24085	741.1	837.2	933.3	1029.4	1125.6	1221.7	1317.8	1413.9	1510.0	1606.1	4.1	8.3	8.3	12.5	12.5	8.3	8.3	12.5	4.1	20.8
HA24086	790.7	965.9	1141.2	1316.5	1491.8	1667.0	1842.3	2017.6	2192.8	2368.1	8.3	4.1	12.5	8.3	20.8	4.1	25.0	4.1	8.3	4.1
HA24087	1052.8	1241.6	1430.3	1619.1	1807.9	1996.7	2185.5	2374.2	2563.0	2751.8	16.6	0.0	25.0	8.3	16.6	0.0	25.0	0.0	0.0	8.3
HA24088	873.4	1034.2	1195.1	1355.9	1516.8	1677.6	1838.5	1999.3	2160.2	2321.0	8.3	16.6	8.3	12.5	8.3	20.8	20.8	0.0	0.0	4.1
HA24090	890.5	1079.1	1267.8	1456.5	1645.2	1833.8	2022.5	2211.2	2399.8	2588.5	8.3	4.1	12.5	8.3	8.3	20.8	4.1	8.3	16.6	8.3

Tabla C.178. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de San Luis Potosí.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
HA24091	1136.9	1340.1	1543.2	1746.4	1949.5	2152.6	2355.8	2558.9	2762.1	2965.2	4.1	8.3	8.3	12.5	12.5	12.5	12.5	12.5	4.1	12.5
HA24092	1067.6	1247.9	1428.3	1608.6	1789.0	1969.3	2149.7	2330.0	2510.3	2690.7	4.1	4.1	12.5	8.3	8.3	4.1	12.5	12.5	16.6	16.6
HA24093	179.1	238.4	297.8	357.1	416.4	475.7	535.0	594.4	653.7	713.0	8.0	12.0	16.0	24.0	20.0	8.0	4.0	0.0	0.0	8.0
HA24095	408.7	496.0	583.2	670.4	757.7	844.9	932.1	1019.3	1106.6	1193.8	4.1	4.1	8.3	12.5	12.5	16.6	16.6	4.1	8.3	12.5
HA24096	271.3	429.5	587.8	746.0	904.3	1062.5	1220.8	1379.0	1537.3	1695.5	7.6	42.3	26.9	7.6	11.5	0.0	0.0	0.0	0.0	3.8
HA24097	222.3	280.1	338.0	395.8	453.7	511.6	569.4	627.3	685.1	743.0	8.3	8.3	0.0	16.6	20.8	12.5	4.1	8.3	12.5	8.3
HA24098	201.2	263.3	325.5	387.6	449.7	511.9	574.1	636.2	698.3	760.5	20.0	8.0	16.0	24.0	8.0	8.0	4.0	4.0	0.0	8.0
HA24100	198.4	242.2	286.1	329.9	373.8	417.6	461.5	505.3	549.2	593.0	30.7	3.8	26.9	7.6	7.6	0.0	3.8	11.5	3.8	3.8
HA24101	154.7	227.2	299.6	372.1	444.6	517.1	589.6	662.0	734.5	807.0	18.5	22.2	22.2	14.8	7.4	3.7	3.7	0.0	3.7	3.7
HA24102	135.8	197.6	259.4	321.2	383.1	444.9	506.7	568.5	630.3	692.1	12.0	16.0	20.0	16.0	8.0	8.0	12.0	4.0	0.0	4.0
HA24103	221.0	289.5	358.0	426.5	495.0	563.5	632.0	700.5	769.0	837.5	12.0	4.0	8.0	8.0	12.0	20.0	16.0	8.0	4.0	8.0
HA24105	1693.5	2030.7	2368.0	2705.3	3042.6	3379.8	3717.1	4054.4	4391.6	4728.9	9.5	14.2	9.5	4.7	14.2	33.3	4.7	4.7	0.0	4.7
HA24106	213.6	255.7	297.9	340.0	382.1	424.2	466.3	508.5	550.6	592.7	8.0	12.0	16.0	20.0	20.0	16.0	0.0	0.0	0.0	4.0
HA24108	341.4	466.7	596.1	723.4	850.8	978.1	1105.5	1232.8	1360.2	1487.5	8.3	0.0	16.6	8.3	16.6	25.0	8.3	8.3	0.0	8.3
HA24109	116.8	179.6	242.4	305.2	368.0	430.8	493.6	556.4	619.2	682.0	4.5	6.8	11.3	15.9	27.2	13.6	13.6	4.5	0.0	2.2
HA24110	375.9	440.0	504.1	568.2	632.3	696.4	760.5	824.6	888.7	952.8	4.1	0.0	33.3	8.3	12.5	12.5	8.3	8.3	0.0	12.5
HA24113	573.4	680.6	787.9	895.1	1002.4	1109.6	1216.9	1324.1	1431.4	1538.6	8.3	0.0	0.0	16.6	16.6	8.3	16.6	8.3	0.0	25.0
HA24114	314.1	372.5	430.8	489.1	547.4	605.8	664.1	722.4	780.8	839.1	16.0	8.0	4.0	16.0	8.0	24.0	0.0	4.0	12.0	8.0
HA24115	239.5	322.2	405.0	487.7	570.4	653.1	735.8	818.6	901.3	984.0	11.1	4.4	6.6	11.1	17.7	17.7	6.6	4.4	2.2	2.2
HA24116	287.4	396.2	505.1	614.0	722.9	831.7	940.6	1049.5	1158.3	1267.2	7.4	11.1	22.2	33.3	14.8	0.0	0.0	3.7	0.0	7.4
HA24117	687.5	895.7	1103.8	1312.0	1520.2	1728.4	1936.6	2144.7	2352.9	2561.1	5.2	0.0	5.2	15.7	15.7	21.0	5.2	10.5	10.5	10.5
HA24122	844.4	1039.6	1234.7	1429.9	1625.1	1820.3	2015.5	2210.6	2405.8	2601.0	8.3	0.0	0.0	16.6	33.3	0.0	0.0	0.0	25.0	16.6
HA24124	572.9	683.3	793.8	904.2	1014.7	1125.1	1235.6	1346.0	1456.5	1566.9	8.3	0.0	33.3	16.6	8.3	25.0	0.0	0.0	0.0	8.3
HA24125	1085.0	1441.4	1797.8	2154.2	2510.6	2866.9	3223.3	3579.7	3936.1	4292.5	8.3	0.0	8.3	16.6	0.0	8.3	16.6	25.0	8.3	8.3
HA24133	731.8	838.6	945.4	1052.2	1159.0	1265.8	1372.6	1479.4	1586.2	1693.0	9.0	9.0	0.0	9.0	27.2	0.0	9.0	9.0	9.0	18.1
HA24134	178.5	247.9	317.4	386.8	456.2	525.7	595.2	664.6	734.1	803.5	11.1	22.2	11.1	33.3	5.5	11.1	0.0	0.0	0.0	5.5
HA24136	515.6	639.2	762.8	886.4	1010.0	1133.6	1257.2	1380.8	1504.4	1628.0	18.1	0.0	0.0	27.2	9.0	9.0	18.1	9.0	0.0	9.0
HA24137	723.6	885.4	1047.1	1208.8	1370.6	1532.3	1694.0	1855.7	2017.5	2179.2	9.0	9.0	0.0	9.0	9.0	0.0	18.1	18.1	27.2	9.0
HA24138	702.6	897.9	1093.1	1288.4	1483.6	1678.8	1874.1	2069.3	2264.6	2459.8	18.7	0.0	0.0	12.5	12.5	18.7	12.5	0.0	12.5	12.5
HA24139	605.2	715.6	826.0	936.4	1046.8	1157.2	1267.6	1378.0	1488.4	1598.8	10.0	20.0	0.0	10.0	40.0	0.0	10.0	0.0	0.0	10.0
HA24142	306.0	349.1	392.3	435.5	478.7	521.8	565.0	608.2	651.3	694.5	8.3	0.0	16.6	0.0	8.3	8.3	16.6	16.6	16.6	8.3
HA24144	198.7	228.9	259.0	289.1	319.3	349.4	379.5	409.6	439.8	469.9	9.0	0.0	9.0	9.0	9.0	18.1	18.1	0.0	9.0	18.1
HA24145	231.5	260.9	290.4	319.8	349.3	378.8	408.2	437.7	467.1	496.6	18.1	9.0	0.0	9.0	9.0	27.2	9.0	9.0	0.0	9.0
HA24146	148.2	170.4	192.6	214.8	237.0	259.1	281.3	303.5	325.7	347.9	9.0	0.0	18.1	9.0	0.0	36.3	0.0	0.0	0.0	27.2
HA24148	162.9	188.5	214.1	239.7	265.3	290.8	316.4	342.0	367.6	393.2	20.0	0.0	0.0	10.0	10.0	10.0	10.0	10.0	10.0	20.0
HA24152	144.4	178.9	213.3	247.7	282.2	316.6	351.0	385.4	419.9	454.3	10.0	10.0	10.0	20.0	20.0	0.0	10.0	10.0	0.0	10.0
HA24154	193.9	231.7	269.6	307.4	345.3	383.1	421.0	458.8	496.7	534.5	20.0	10.0	10.0	30.0	0.0	0.0	10.0	0.0	10.0	10.0
HA24158	202.8	230.5	258.2	285.9	313.6	341.3	369.0	396.7	424.4	452.1	15.0	0.0	0.0	20.0	10.0	25.0	0.0	10.0	5.0	15.0
HA24173	365.9	432.4	498.9	565.4	631.9	698.5	765.0	831.5	898.0	964.5	10.5	31.5	21.0	15.7	5.2	5.2	0.0	0.0	5.2	5.2

Tabla C.178. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de San Luís Potosí.

Estación	Características promedio de la sequía meteorológica										Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad PerS(años)	DesvStd PerS (años)	Duración DS(años)	DesvStd DS (años)	Severidad SS(mm)	DesvStd SS (mm)	Intensidad IS(mm/año)	% de IS respecto a X _o	H _p disp S(mm)	Hp disp S(mm)		
HA24002	10.5	5.5	3.6	1.2	1562.0	512.0	433.8	25.0	1277.7	3.3	EXTREMADAMENTE VASTA	
HA24003	3.5	2.1	1.8	1.3	961.1	1051.3	533.9	23.0	1733.5	4.3	VASTA	
HA24004	5.2	3.4	2.1	1.9	382.4	339.9	182.0	31.0	401.1	3.6	MUY CRITICA	
HA24005	5.2	2.7	2.1	1.4	753.5	553.5	358.8	24.0	1128.8	2.9	MUY VASTA	
HA24006	3.2	0.4	1.3	0.4	141.5	120.5	108.8	16.0	553.5	6.7	SEVERA	
HA24007	4.0	1.3	1.9	1.2	263.3	183.8	138.5	33.0	277.9	2.9	CRITICA	
HA24008	4.0	1.8	1.8	1.1	377.1	471.1	209.5	34.0	397.2	4.4	CRITICA	
HA24009	4.0	1.6	2.1	0.8	540.9	274.0	257.5	16.0	1271.8	4.9	MUY SEVERA	
HA24010	4.7	2.2	2.1	2.1	327.5	343.3	155.9	39.0	235.0	3.3	MUY CRITICA	
HA24011	2.3	0.4	1.3	0.4	166.2	139.9	127.8	21.0	469.8	6.0	VASTA	
HA24013	6.6	4.4	3.2	1.4	398.7	290.0	124.5	37.0	203.2	4.6	CATASTROFICA	
HA24015	5.2	2.7	2.1	1.4	467.4	325.4	222.5	26.0	632.5	6.1	MUY VASTA	
HA24016	4.4	1.7	2.0	1.8	733.2	1011.8	366.6	19.0	1547.9	4.6	MUY SEVERA	
HA24017	5.6	2.4	2.5	1.5	461.0	215.1	184.3	19.0	784.0	4.9	MUY SEVERA	
HA24018	5.0	2.5	2.2	1.4	594.6	436.8	270.2	24.0	835.4	5.9	MUY VASTA	
HA24020	5.0	0.0	2.3	1.2	549.7	387.0	239.0	22.0	811.7	4.7	MUY VASTA	
HA24021	3.0	0.8	1.7	0.8	225.1	143.9	132.4	31.0	293.3	6.3	CRITICA	
HA24022	3.7	0.8	1.3	0.4	106.1	70.4	81.6	27.0	216.3	7.7	VASTA	
HA24024	4.2	1.9	2.4	1.4	273.6	252.4	114.0	30.0	264.2	4.3	MUY VASTA	
HA24025	4.0	1.9	1.7	0.8	559.5	414.7	329.1	25.0	955.8	3.8	VASTA	
HA24026	4.7	2.3	1.8	0.8	1003.3	662.0	557.3	28.0	1389.2	6.5	VASTA	
HA24027	4.7	2.3	2.2	2.0	603.5	523.1	274.3	18.0	1170.0	4.8	MUY SEVERA	
HA24028	5.2	2.1	3.0	1.4	514.0	310.5	171.3	15.0	902.8	3.4	EXTREMADAMENTE SEVERA	
HA24030	3.7	1.9	1.7	0.7	231.9	94.9	136.4	23.0	448.7	4.9	VASTA	
HA24033	3.4	0.9	1.5	0.7	133.3	119.1	88.8	26.0	251.8	5.0	VASTA	
HA24034	5.3	2.0	3.5	2.5	443.1	475.2	126.5	24.0	380.6	4.6	EXTREMADAMENTE VASTA	
HA24035	3.4	2.1	1.9	1.4	308.4	319.8	162.3	23.0	537.9	1.9	VASTA	
HA24036	5.2	2.1	2.3	1.7	476.9	303.8	207.3	22.0	731.9	3.4	MUY VASTA	
HA24037	3.6	1.3	1.6	0.4	508.6	296.7	317.8	22.0	1066.7	6.0	VASTA	
HA24038	3.2	1.4	1.8	1.0	170.8	132.6	94.8	27.0	245.7	6.3	VASTA	
HA24039	4.5	2.2	2.3	1.3	567.1	366.7	246.5	19.0	1002.2	5.7	MUY SEVERA	
HA24040	4.5	1.7	2.4	1.8	249.3	233.4	103.8	22.0	367.1	4.7	MUY VASTA	
HA24041	7.0	2.4	3.7	2.5	477.7	553.7	129.1	32.0	271.7	4.5	CATASTROFICA	
HA24042	4.0	1.7	2.0	1.0	215.5	150.3	107.7	27.0	284.9	5.4	MUY VASTA	
HA24043	7.5	0.5	4.0	2.1	975.9	607.7	243.9	16.0	1247.9	4.8	MUY VASTA	
HA24044	5.6	1.2	2.5	1.1	235.1	141.6	94.0	29.0	226.1	4.6	MUY VASTA	
HA24045	2.6	0.4	1.5	0.7	233.5	100.3	155.6	23.0	503.0	5.4	VASTA	
HA24046	3.3	1.2	3.0	1.5	220.0	177.5	73.3	19.0	310.9	3.9	EXTREMADAMENTE SEVERA	

Tabla C.179. Características de la sequía promedio de cada estación climatológica del estado de San Luis Potosí.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS	lluvia disponible	lluvia disponible		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s	H _p disp S(mm)	H _p disp S(mm)		
HA24047	3.6	1.6	1.5	0.7	303.2	167.0	202.1	18.0	893.9	5.7	SEVERA	
HA24048	3.7	1.0	2.7	2.6	311.4	355.4	115.3	35.0	204.6	2.9	MUY CRITICA	
HA24049	6.6	1.2	2.2	1.2	750.4	425.3	341.0	23.0	1126.3	5.7	MUY VASTA	
HA24050	5.5	3.7	2.7	1.7	504.0	425.6	186.6	26.0	510.7	4.2	MUY VASTA	
HA24052	3.8	2.1	2.2	1.5	141.4	147.6	64.2	16.0	322.9	3.7	MUY SEVERA	
HA24053	4.0	2.0	2.1	1.7	1133.8	744.2	539.9	25.0	1579.5	4.4	MUY VASTA	
HA24054	2.8	0.7	1.6	0.7	212.6	125.1	132.8	21.0	478.2	5.9	VASTA	
HA24055	3.7	2.2	1.7	0.7	157.1	101.7	92.4	26.0	251.8	4.8	VASTA	
HA24056	4.5	2.5	1.6	0.9	403.6	533.2	252.2	23.0	810.9	4.5	VASTA	
HA24057	3.2	0.4	1.5	0.4	138.3	62.6	92.1	28.0	234.3	5.6	VASTA	
HA24058	3.6	1.7	1.7	1.3	179.4	171.7	105.5	21.0	386.0	5.1	VASTA	
HA24059	4.2	0.8	2.0	1.2	310.0	153.9	155.0	38.0	250.6	2.8	MUY CRITICA	
HA24060	5.2	3.4	1.9	1.5	349.9	373.7	184.1	28.0	457.6	7.0	VASTA	
HA24061	5.0	1.6	2.0	1.4	247.0	167.1	123.5	37.0	202.4	5.6	MUY CRITICA	
HA24063	5.2	3.4	2.1	1.4	621.8	459.1	296.0	31.0	644.8	4.6	MUY CRITICA	
HA24064	3.5	2.5	1.4	0.4	510.6	343.6	364.7	23.0	1200.0	4.8	VASTA	
HA24065	2.5	0.5	1.5	0.4	384.9	353.7	256.6	23.0	815.8	2.1	VASTA	
HA24066	4.1	1.7	2.0	1.4	203.9	321.5	101.9	30.0	237.6	4.9	MUY VASTA	
HA24067	2.9	1.0	1.6	0.6	171.2	114.5	107.0	26.0	295.7	1.8	VASTA	
HA24068	5.2	1.0	2.7	1.6	359.7	287.0	133.2	16.0	691.2	4.4	MUY SEVERA	
HA24069	3.5	1.0	2.6	2.3	216.1	202.8	83.1	22.0	283.7	4.0	MUY VASTA	
HA24071	4.2	2.1	2.3	1.5	326.7	287.2	142.0	24.0	448.9	4.9	MUY VASTA	
HA24072	5.2	1.7	2.3	1.3	1105.1	706.5	480.4	26.0	1341.6	4.9	MUY VASTA	
HA24073	2.5	0.5	2.6	2.2	285.8	193.2	109.9	29.0	260.8	3.7	MUY VASTA	
HA24074	5.3	2.0	2.7	1.9	268.2	94.4	99.3	35.0	180.9	6.1	MUY CRITICA	
HA24075	5.3	2.0	2.7	1.2	239.5	145.7	88.7	24.0	278.3	4.2	MUY VASTA	
HA24076	4.2	2.3	1.8	1.0	559.1	325.8	310.6	25.0	905.6	4.4	VASTA	
HA24077	6.2	3.9	2.6	0.7	492.0	231.8	189.2	40.0	272.2	3.3	MUY CRITICA	
HA24078	5.5	1.8	3.0	1.6	229.2	131.3	76.4	20.0	303.7	10.0	EXTREMADAMENTE SEVERA	
HA24079	4.5	0.5	2.3	1.2	762.2	192.2	331.3	25.0	976.9	2.8	MUY VASTA	
HA24081	3.8	1.5	1.9	1.4	172.0	157.6	90.5	27.0	240.6	4.5	VASTA	
HA24082	3.3	1.4	1.6	0.7	698.6	399.3	436.6	14.0	2474.2	5.4	SEVERA	
HA24084	7.0	1.4	3.0	1.5	1248.4	367.8	416.1	18.0	1821.0	4.7	EXTREMADAMENTE SEVERA	
HA24085	4.2	2.3	2.0	1.4	487.5	201.6	243.7	20.0	931.4	4.9	MUY SEVERA	
HA24086	5.2	2.1	2.5	1.6	859.7	711.8	343.8	22.0	1162.8	5.0	MUY VASTA	
HA24087	5.0	0.0	3.0	1.0	1277.5	169.1	425.8	26.0	1206.7	4.5	EXTREMADAMENTE VASTA	
HA24088	5.2	2.7	2.5	2.2	806.8	673.8	322.7	23.0	1078.1	3.9	MUY VASTA	
HA24090	5.2	2.1	2.5	1.6	1059.8	893.6	423.9	24.0	1272.6	4.6	MUY VASTA	

Tabla C.179. Características de la sequía promedio de cada estación climatológica del estado de San Luis Potosí.

Estación	Características promedio de la sequía meteorológica										Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS	Huía disponible			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a Xc	Hp disp S(mm)			
HA24091	5.2	2.7	2.3	1.3	1057.1	265.1	459.6	22.0	1563.7	5.0	MUY VASTA	
HA24092	5.0	2.5	1.9	1.0	1069.0	220.7	573.1	29.0	1400.4	5.4	VASTA	
HA24093	6.0	1.4	3.2	2.2	296.5	289.8	92.6	26.0	256.2	5.5	EXTREMADAMENTE VASTA	
HA24095	3.3	1.1	1.8	1.1	308.6	313.7	171.4	21.0	626.7	4.6	VASTA	
HA24096	3.5	1.4	2.1	1.4	352.3	310.5	167.7	33.0	328.8	4.1	MUY CRITICA	
HA24097	5.2	3.4	2.7	1.6	305.3	341.9	113.0	24.0	345.6	4.5	MUY VASTA	
HA24098	5.7	2.1	3.0	1.6	300.6	204.8	100.1	27.0	258.0	3.4	EXTREMADAMENTE VASTA	
HA24100	3.6	1.3	2.8	2.0	216.1	226.3	77.1	25.0	223.7	3.6	MUY VASTA	
HA24101	6.0	2.8	3.2	2.6	335.4	314.1	104.8	35.0	190.8	2.1	CATASTROFICA	
HA24102	4.5	1.1	2.5	1.2	294.9	257.2	117.9	39.0	182.0	4.5	MUY CRITICA	
HA24103	5.5	2.6	2.2	0.7	372.7	102.7	169.4	34.0	323.3	5.7	MUY CRITICA	
HA24105	3.0	1.8	1.1	0.3	969.7	459.8	881.5	31.0	1951.6	2.8	CRITICA	
HA24106	4.2	1.1	2.1	1.2	144.4	143.2	68.7	20.0	261.8	4.8	MUY SEVERA	
HA24108	4.0	1.0	1.6	0.9	468.0	324.2	292.5	35.0	528.9	7.5	CRITICA	
HA24109	5.1	2.5	2.5	1.7	230.1	242.2	92.0	27.0	237.1	4.8	MUY VASTA	
HA24110	3.5	2.0	2.0	1.3	242.3	279.3	121.1	19.0	497.1	2.4	MUY SEVERA	
HA24113	3.3	1.2	1.5	0.5	385.5	304.3	257.0	23.0	853.3	4.4	VASTA	
HA24114	5.2	2.8	2.1	1.4	338.9	331.0	161.3	30.0	362.1	7.4	MUY VASTA	
HA24115	5.7	4.9	2.5	3.2	426.9	691.8	170.7	31.0	370.8	5.5	MUY CRITICA	
HA24116	5.0	2.0	2.8	1.9	370.7	297.2	132.3	23.0	433.1	3.7	MUY VASTA	
HA24117	3.3	0.8	1.6	0.4	668.6	397.3	417.8	25.0	1237.5	5.1	VASTA	
HA24122	5.0	0.0	2.3	1.2	1019.0	733.0	443.0	24.0	1349.4	4.4	MUY VASTA	
HA24124	3.3	1.2	1.7	1.2	310.8	274.2	182.8	20.0	700.4	3.9	SEVERA	
HA24125	3.3	1.2	1.2	0.4	1260.9	466.8	1050.7	38.0	1702.7	5.5	CRITICA	
HA24133	3.5	1.5	2.0	1.4	511.7	292.5	255.8	21.0	953.0	4.6	MUY VASTA	
HA24134	6.0	3.0	2.6	2.3	331.7	363.1	127.5	37.0	208.2	5.0	MUY CRITICA	
HA24136	3.0	0.5	2.0	0.5	497.7	164.7	248.8	25.0	742.5	4.6	MUY VASTA	
HA24137	2.5	0.5	1.6	0.4	803.6	144.1	502.2	32.0	1028.5	4.8	CRITICA	
HA24138	3.0	0.7	1.5	0.4	793.4	718.6	528.9	34.0	993.7	5.9	CRITICA	
HA24139	2.5	0.5	1.3	0.4	376.4	224.6	289.5	30.0	671.4	6.0	VASTA	
HA24142	2.0	0.5	2.5	1.5	306.5	261.1	122.5	23.0	393.1	6.0	MUY VASTA	
HA24144	5.0	2.0	1.9	0.8	122.7	97.1	64.5	19.0	271.7	4.5	SEVERA	
HA24145	5.0	1.0	1.3	0.4	130.4	73.9	100.3	29.0	238.6	7.9	VASTA	
HA24146	5.0	2.0	1.9	0.8	95.4	63.9	50.2	20.0	196.9	3.9	SEVERA	
HA24148	4.5	2.5	1.6	0.9	116.6	54.7	72.8	26.0	206.9	2.2	VASTA	
HA24152	4.0	2.0	2.3	1.2	126.5	92.6	55.0	21.0	205.6	3.5	MUY VASTA	
HA24154	4.5	2.5	2.3	1.8	163.0	74.0	70.8	23.0	236.6	3.3	MUY VASTA	
HA24158	3.6	1.6	1.6	1.1	108.7	74.8	67.9	21.0	252.1	5.6	VASTA	
HA24173	3.7	1.0	2.3	0.7	232.4	145.1	101.0	20.0	400.0	4.0	MUY SEVERA	

Tabla C.179. Características de la sequía promedio de cada estación climatológica del estado de San Luis Potosí.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I \approx S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I^*	Intensidad	Duración / $m\acute{a}x$	% de $I_{m\acute{a}x}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I^*(mm/a\acute{o})$	respecto a X_c	$I_{m\acute{a}x}(mm/a\acute{o})$	$D_{m\acute{a}x}(a\acute{o}s)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA24002	2223.8	5.0	444.7	25.0	488.2	2.0	28.0	0.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0
HA24003	3405.1	5.0	681.0	30.0	681.1	5.0	30.0	57.1	28.5	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA24004	1057.1	6.0	176.1	30.0	274.1	1.0	47.0	60.0	20.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA24005	1792.4	5.0	358.4	24.0	424.2	1.0	28.0	40.0	40.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA24006	287.8	2.0	143.8	21.0	143.8	2.0	21.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24007	682.4	4.0	170.6	40.0	233.7	1.0	56.0	54.5	9.0	18.1	18.1	0.0	0.0	0.0	0.0	0.0	0.0
HA24008	1489.1	4.0	372.2	61.0	372.2	4.0	61.0	57.1	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA24009	859.5	2.0	429.7	28.0	822.3	1.0	53.0	16.6	66.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA24010	1073.3	7.0	153.3	39.0	212.9	1.0	54.0	66.6	16.6	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0
HA24011	362.8	1.0	362.8	60.0	362.8	1.0	60.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24013	831.6	5.0	166.3	50.0	166.3	5.0	50.0	25.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24015	1050.4	5.0	210.0	24.0	413.7	1.0	48.0	40.0	40.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA24016	2921.3	6.0	486.8	25.0	486.8	6.0	25.0	66.6	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA24017	772.6	4.0	193.1	19.0	415.0	1.0	42.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24018	1205.3	4.0	301.3	27.0	556.1	1.0	50.0	60.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24020	832.0	2.0	416.0	39.0	416.0	2.0	39.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA24021	416.5	3.0	138.8	32.0	157.3	1.0	36.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24022	237.8	2.0	118.9	39.0	118.9	2.0	39.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24024	651.9	5.0	130.3	34.0	164.3	3.0	43.0	40.0	20.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA24025	1199.8	3.0	399.9	31.0	539.3	1.0	41.0	57.1	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24026	2434.2	3.0	811.4	41.0	888.8	1.0	45.0	50.0	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24027	1838.4	7.0	262.6	18.0	624.0	1.0	43.0	62.5	12.5	0.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0
HA24028	865.9	5.0	173.1	16.0	266.6	3.0	24.0	20.0	20.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA24030	367.6	2.0	183.8	31.0	187.6	1.0	32.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24033	324.2	2.0	162.1	47.0	162.1	2.0	47.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24034	1155.0	7.0	165.0	32.0	165.0	7.0	32.0	50.0	0.0	0.0	0.0	25.0	0.0	25.0	0.0	0.0	0.0
HA24035	1145.3	6.0	190.8	27.0	261.2	2.0	37.0	50.0	40.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
HA24036	942.1	5.0	188.4	20.0	294.4	1.0	31.0	60.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA24037	1081.4	2.0	540.7	39.0	540.7	2.0	39.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24038	382.7	4.0	95.6	28.0	142.9	2.0	41.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA24039	1089.3	4.0	272.3	21.0	414.7	2.0	33.0	40.0	20.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24040	872.8	8.0	109.1	23.0	164.4	1.0	34.0	35.7	35.7	14.2	0.0	7.1	0.0	0.0	7.1	0.0	0.0
HA24041	1407.6	8.0	175.9	43.0	175.9	8.0	43.0	25.0	0.0	50.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0
HA24042	584.6	4.0	146.1	37.0	251.6	1.0	64.0	33.3	50.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA24043	1627.5	7.0	232.5	15.0	378.5	3.0	25.0	0.0	33.3	33.3	0.0	0.0	0.0	33.3	0.0	0.0	0.0
HA24044	448.8	3.0	149.6	46.0	149.6	3.0	46.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24045	359.1	3.0	119.7	18.0	277.0	1.0	42.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24046	524.1	5.0	104.8	27.0	104.8	5.0	27.0	25.0	25.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0

Tabla C.180. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de San Luis Potosí.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de I^*	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA24047	613.1	3.0	204.3	18.0	353.0	1.0	32.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24048	996.2	8.0	124.5	38.0	124.5	8.0	38.0	40.0	40.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
HA24049	1274.4	4.0	318.6	21.0	598.2	1.0	40.0	50.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24050	1283.8	6.0	213.9	30.0	267.8	2.0	38.0	20.0	40.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA24052	485.9	6.0	80.9	20.0	80.9	6.0	20.0	28.5	57.1	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA24053	2767.2	6.0	461.2	21.0	983.1	1.0	46.0	50.0	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA24054	383.6	2.0	191.8	31.0	243.0	1.0	39.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24055	340.8	3.0	113.6	32.0	201.7	1.0	57.0	44.4	33.3	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24056	1157.4	3.0	385.8	36.0	385.8	3.0	36.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24057	217.7	2.0	108.8	33.0	121.6	1.0	37.0	40.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24058	556.4	5.0	111.2	22.0	205.7	1.0	41.0	71.4	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA24059	521.2	3.0	173.7	42.0	209.0	1.0	51.0	60.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24060	1083.7	5.0	216.7	33.0	216.7	5.0	33.0	60.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA24061	597.3	5.0	119.4	36.0	139.9	1.0	42.0	50.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA24063	1424.5	5.0	284.9	30.0	602.1	1.0	63.0	40.0	40.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA24064	1125.9	2.0	562.9	35.0	619.2	1.0	39.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24065	1020.1	2.0	510.0	47.0	510.0	2.0	47.0	40.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24066	913.7	5.0	182.7	53.0	182.7	5.0	53.0	50.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA24067	368.6	2.0	184.3	45.0	254.8	1.0	63.0	50.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24068	733.9	3.0	244.6	29.0	244.6	3.0	29.0	40.0	0.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA24069	651.6	8.0	81.4	22.0	131.6	1.0	35.0	62.5	0.0	0.0	25.0	0.0	0.0	0.0	12.5	0.0	0.0
HA24071	841.4	5.0	168.3	28.0	168.3	5.0	28.0	50.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0
HA24072	1952.3	4.0	488.0	26.0	843.0	1.0	46.0	40.0	20.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24073	653.0	7.0	93.2	25.0	147.2	1.0	39.0	40.0	40.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
HA24074	413.1	6.0	68.8	24.0	173.2	1.0	61.0	25.0	50.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
HA24075	398.3	4.0	99.5	27.0	99.5	4.0	27.0	25.0	25.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24076	968.0	2.0	484.0	39.0	502.4	1.0	41.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA24077	828.5	4.0	207.1	44.0	231.5	3.0	49.0	0.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24078	405.7	5.0	81.1	21.0	241.8	1.0	63.0	40.0	0.0	0.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0
HA24079	935.2	4.0	233.8	17.0	494.1	1.0	37.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA24081	511.6	6.0	85.2	25.0	206.1	1.0	62.0	50.0	33.3	0.0	8.3	0.0	8.3	0.0	0.0	0.0	0.0
HA24082	1276.5	2.0	638.2	21.0	693.4	1.0	23.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24084	1618.5	4.0	404.6	18.0	939.6	1.0	42.0	25.0	25.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0
HA24085	841.6	5.0	168.3	14.0	402.8	1.0	34.0	50.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA24086	1765.4	5.0	353.0	23.0	447.6	2.0	29.0	40.0	20.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA24087	1446.7	4.0	361.6	22.0	554.2	2.0	33.0	0.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24088	2065.8	7.0	295.1	21.0	631.3	1.0	45.0	40.0	40.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
HA24090	2148.0	4.0	537.0	31.0	537.0	4.0	31.0	40.0	20.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0

Tabla C.180. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de San Luis Potosí.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de P	Intensidad	Duración / máx	% de I / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I (mm/año)	respecto a X _e	I máx(mm/año)	D máx(años)	respecto a X _e	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA24091	1557.1	5.0	311.4	15.0	1089.5	1.0	53.0	20.0	60.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA24092	1479.5	4.0	369.8	18.0	1086.3	1.0	55.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24093	757.8	6.0	126.3	36.0	126.3	1.0	36.0	50.0	0.0	0.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0
HA24095	939.0	3.0	313.0	39.0	313.0	3.0	39.0	57.1	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA24096	946.4	5.0	189.2	38.0	232.8	3.0	46.0	57.1	0.0	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA24097	778.8	4.0	194.7	42.0	194.7	4.0	42.0	40.0	0.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA24098	567.4	4.0	141.8	39.0	141.8	4.0	39.0	40.0	0.0	0.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0
HA24100	671.9	7.0	95.9	31.0	99.2	3.0	32.0	33.3	16.6	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0
HA24101	834.1	8.0	104.2	35.0	143.8	4.0	48.0	40.0	20.0	0.0	20.0	0.0	0.0	0.0	20.0	0.0	0.0
HA24102	763.4	4.0	190.8	63.0	190.8	4.0	63.0	20.0	40.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24103	490.6	3.0	163.5	33.0	233.7	2.0	47.0	20.0	40.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24105	1477.1	1.0	1477.1	52.0	1477.1	1.0	52.0	85.7	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24106	363.7	3.0	121.2	36.0	121.2	3.0	36.0	50.0	0.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA24108	925.1	3.0	308.3	37.0	308.3	3.0	37.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24109	833.5	6.0	138.9	42.0	138.9	6.0	42.0	33.3	33.3	11.1	0.0	11.1	11.1	0.0	0.0	0.0	0.0
HA24110	893.7	5.0	178.7	28.0	178.7	5.0	28.0	42.8	42.8	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA24113	845.7	2.0	422.8	38.0	422.8	2.0	38.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24114	976.9	5.0	195.3	37.0	195.3	5.0	37.0	40.0	40.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA24115	2237.6	11.0	203.4	37.0	327.5	1.0	60.0	62.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24116	871.0	5.0	174.2	30.0	206.4	1.0	36.0	33.3	33.3	0.0	0.0	16.6	16.6	0.0	0.0	0.0	0.0
HA24117	1220.5	2.0	610.2	36.0	610.2	2.0	36.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24122	2025.3	4.0	506.3	28.0	506.3	4.0	28.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA24124	709.5	4.0	177.3	20.0	420.8	1.0	47.0	75.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24125	2024.8	1.0	2024.8	73.0	2024.8	1.0	73.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24133	828.4	4.0	207.1	17.0	583.8	1.0	48.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA24134	844.9	6.0	140.8	41.0	140.8	6.0	41.0	66.6	0.0	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0
HA24136	632.2	2.0	316.1	31.0	316.1	2.0	31.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24137	1006.3	2.0	503.1	32.0	683.3	1.0	44.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24138	1984.8	2.0	992.4	65.0	992.4	2.0	65.0	40.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24139	595.5	2.0	297.7	30.0	466.1	1.0	48.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24142	567.7	4.0	141.9	27.0	141.9	4.0	27.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24144	254.2	3.0	84.7	25.0	91.2	1.0	27.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24145	217.6	2.0	108.8	32.0	136.9	1.0	40.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24146	156.3	3.0	52.1	21.0	61.4	2.0	24.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24148	169.6	3.0	56.5	20.0	138.9	1.0	49.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA24152	256.5	4.0	64.1	24.0	64.1	4.0	24.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA24154	258.9	5.0	51.7	16.0	151.4	1.0	49.0	66.6	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0
HA24158	248.8	4.0	62.2	19.0	144.9	1.0	45.0	66.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA24173	384.5	3.0	128.1	25.0	142.4	2.0	28.0	20.0	20.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.180. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de San Luis Potosí.

Municipio	Estadísticos de la lluvia promedio municipal						Límite de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)		Lluvia mínima	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	Tr(años)	
	X _o (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p mín(mm)	H _p mín	
Ahualulco	340.5	355.4	119.7	0.3	5.9	0.35	343.0	264.0	211.0	159.0	85.0	27.0	26.4	71.5	59.9	
Alaquines	585.3	584.5	160.6	-0.2	4.0	0.27	596.0	460.0	368.0	278.0	157.0	62.0	18.1	214.0	32.6	
Aquismón	2044.7	2096.5	572.5	0.0	2.4	0.28	2089.0	1411.0	1292.0	1174.0	972.0	753.0	8.0	1127.8	25.5	
Armadillo de los Infantes	560.4	561.5	169.1	0.4	3.5	0.30	546.0	399.0	318.0	235.0	118.0	22.0	7.8	281.0	13.7	
Cárdenas	585.3	584.5	160.6	-0.2	4.0	0.27	596.0	460.0	368.0	278.0	157.0	62.0	18.1	214.0	32.6	
Catorce	366.3	354.7	117.8	0.5	3.4	0.32	346.0	273.0	221.0	137.0	25.0	0.0	11.0	158.4	16.8	
Cedral	399.8	399.1	133.4	0.7	3.8	0.33	384.0	286.0	206.0	116.0	0.0	0.0	9.3	158.4	14.8	
Cerritos	549.7	521.3	201.5	0.4	3.2	0.37	542.0	373.0	260.0	147.0	0.0	0.0	6.1	266.8	9.6	
Cerro de San Pedro	560.4	561.5	169.1	0.4	3.5	0.30	546.0	399.0	318.0	235.0	118.0	22.0	7.8	281.0	13.7	
Ciudad del Maíz	1438.4	1452.7	312.6	0.4	3.4	0.22	1402.0	1158.0	1008.0	856.0	641.0	465.0	9.5	885.9	17.5	
Ciudad Fernández	562.3	583.0	164.7	0.2	3.2	0.29	557.0	428.0	346.0	267.0	141.0	80.0	13.1	250.6	23.0	
Tancanhuitz de Santos	1912.5	1819.8	545.3	0.7	3.9	0.29	1702.0	1400.0	1209.0	957.0	547.0	134.0	5.4	1162.8	11.6	
Ciudad Valles	1235.2	1255.9	313.8	0.3	4.1	0.25	1004.2	726.8	543.1	366.9	138.8	0.0	4.2	628.6	7.2	
Coaxcalán	1975.6	2056.4	600.7	0.0	3.2	0.30	1961.0	1441.0	1177.0	898.0	446.0	148.0	17.4	699.2	31.5	
Charcas	445.7	420.8	257.4	3.1	17.6	0.58	413.0	280.0	188.0	91.0	0.0	0.0	4.3	145.5	13.7	
Ebano	1304.9	1265.3	368.3	0.1	2.6	0.27	1265.0	1015.0	870.0	735.0	542.0	432.0	15.8	657.0	30.1	
Guadalcázar	312.2	317.7	79.9	0.4	4.7	0.26	313.0	247.0	200.0	152.0	80.0	20.0	7.4	189.1	11.8	
Huehuetlán	2110.5	2107.4	590.8	0.0	2.7	0.28	2104.0	1595.0	1325.0	1076.0	744.0	511.0	9.8	1120.8	17.6	
Lagunillas	686.6	683.1	222.6	0.9	4.1	0.32	679.0	523.0	421.0	323.0	194.0	93.0	7.2	379.4	13.4	
Matshuala	471.0	458.8	139.1	0.6	3.6	0.30	462.0	362.0	297.0	234.0	151.0	86.0	12.3	210.0	26.1	
Mexquic de Carmona	367.0	365.2	123.1	0.4	2.8	0.34	370.0	237.0	202.0	149.0	50.0	0.0	11.8	141.0	21.8	
Moctezuma	343.4	335.0	116.2	0.5	4.1	0.34	343.0	252.0	194.0	137.0	68.0	7.0	16.0	96.6	33.0	
Rayón	813.8	845.6	156.3	0.2	3.6	0.19	818.0	649.0	582.0	475.0	344.0	211.0	8.8	531.7	14.1	
Rioverde	485.0	475.8	136.2	0.2	2.5	0.28	490.0	349.0	312.0	275.0	219.0	166.0	7.7	277.9	18.9	
Salinas	356.8	318.4	130.4	0.8	3.9	0.37	322.0	241.0	190.0	133.0	39.0	0.0	9.1	140.0	18.5	
San Antonio	1939.2	1975.4	616.8	0.4	3.1	0.32	1881.0	1345.0	1129.0	894.0	510.0	168.0	6.2	1049.2	12.8	
San Ciro de Acosta	638.9	646.8	185.2	0.1	2.5	0.29	630.0	464.0	396.0	333.0	247.0	179.0	6.1	380.3	11.9	
San Luis Potosí	368.0	367.4	115.4	0.4	3.4	0.31	356.0	275.0	224.0	174.0	145.0	51.0	16.9	133.8	34.3	
San Martín Chalchicuautla	1122.6	1157.3	308.4	0.2	3.5	0.27	1135.0	887.0	726.0	573.0	376.0	228.0	13.3	533.9	24.0	
San Nicolás Tolentino	560.4	561.5	169.1	0.4	3.5	0.30	546.0	399.0	318.0	235.0	118.0	22.0	7.8	281.0	13.7	

Tabla C.181. Características estadísticas de la lluvia anual de cada municipio del estado de San Luis Potosí.

Municipio	Estadísticas de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)				Tr(años)	Lluvia mínima	Tr(años)		
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _o (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p mín(mm)	H _p mín
Santa Catarina	1398.1	1410.9	438.9	0.0	3.7	0.31	1382.0	1052.0	840.0	624.0	320.0	76.0	15.1	529.5	26.8
Santa María del Río	446.1	442.0	136.8	-0.1	3.5	0.31	454.0	343.0	270.0	201.0	111.0	44.0	14.8	177.1	25.4
Santo Domingo	260.7	243.5	102.8	0.6	5.0	0.39	238.0	189.0	159.0	131.0	94.0	67.0	14.2	110.0	33.7
San Vicente Tancuayalab	1157.5	1155.8	291.4	-0.1	2.7	0.25	1146.0	918.0	778.0	646.0	477.0	351.0	18.8	555.5	32.6
Soledad de Graciano Sánchez	368.0	367.4	115.4	0.4	3.4	0.31	356.0	275.0	224.0	174.0	105.0	51.0	16.9	133.8	34.3
Tamasopo	1488.7	1432.0	496.7	0.1	3.1	0.33	1491.0	1111.0	865.0	625.0	305.0	56.0	16.7	479.3	30.5
Tamazunchale	1899.1	1868.2	479.2	-0.1	2.3	0.25	1836.0	1471.0	1306.0	1157.0	968.0	827.0	17.7	1025.0	37.8
Tampacán	2232.4	2452.6	666.8	-0.6	2.7	0.30	2429.0	1571.0	1216.0	894.0	489.0	188.0	18.4	699.2	31.0
Tampolón Corona	1912.5	1819.8	545.3	0.7	3.9	0.29	1702.0	1400.0	1209.0	957.0	507.0	134.0	5.4	1162.8	11.6
Tamulín	950.3	1011.1	234.1	0.1	3.1	0.25	982.0	701.0	640.0	567.0	421.0	287.0	10.8	537.6	24.9
Tenilajás	1505.9	1525.3	362.2	0.2	3.1	0.24	1556.0	1110.0	1030.0	933.0	713.0	511.0	12.3	857.2	29.0
Tanquián de Escobedo	1288.1	1238.2	368.8	0.4	3.1	0.29	1203.0	959.0	838.0	708.0	504.0	320.0	7.5	753.5	15.9
Tierranueva	344.0	342.3	125.0	1.4	7.1	0.36	322.0	245.0	182.0	98.0	0.0	0.0	5.6	175.5	10.7
Vanegas	365.5	352.6	140.1	1.3	6.7	0.38	358.0	267.0	207.0	148.0	68.0	4.0	8.7	144.9	20.8
Venado	412.7	357.8	152.7	1.3	6.8	0.37	300.3	165.3	75.9	0.0	0.0	0.0	4.0	113.0	7.5
Villa de Arriaga	300.8	279.8	126.0	0.8	3.2	0.42	274.0	200.0	154.0	110.0	53.0	8.0	5.1	154.5	9.9
Villa de Guadalupe	387.7	373.8	161.6	1.4	7.4	0.42	373.0	264.0	191.0	118.0	14.0	0.0	6.1	168.5	12.4
Villa de la Paz	418.6	414.3	161.4	1.0	5.5	0.39	417.0	284.0	196.0	111.0	0.0	0.0	7.0	158.4	13.5
Villa de Ramos	374.0	349.0	130.1	0.8	4.1	0.35	358.0	273.0	216.0	158.0	75.0	4.0	8.8	169.7	17.5
Villa de Reyes	334.1	299.9	120.1	1.0	5.2	0.36	308.0	249.0	207.0	155.0	60.0	0.0	17.6	110.3	32.2
Villa Hidalgo	309.0	294.2	134.7	2.0	10.7	0.44	290.0	220.0	170.0	110.0	0.0	0.0	6.3	137.1	14.9
Villa Juárez	549.7	521.3	201.5	0.4	3.2	0.37	542.0	373.0	260.0	147.0	0.0	0.0	6.1	266.8	9.6
Avila de Terrazas	2232.4	2452.6	666.8	-0.6	2.7	0.30	2429.0	1571.0	1216.0	894.0	489.0	188.0	18.4	699.2	31.0
Xilitla	2844.6	2961.0	823.7	0.1	3.9	0.29	2238.5	1510.2	1028.0	565.5	0.0	0.0	3.9	1356.2	6.2
Zaragoza	446.1	442.0	136.8	-0.1	3.5	0.31	454.0	343.0	270.0	201.0	111.0	44.0	14.8	177.1	25.4
Villa de Arista	336.8	331.5	126.3	0.1	2.7	0.38	324.0	240.0	191.0	146.0	88.0	44.0	17.6	108.5	35.9
Matlapa	2130.2	2179.6	514.8	-0.2	2.9	0.24	2138.0	1698.0	1451.0	1222.0	931.0	713.0	16.9	1088.8	30.3
Naranjo, El	1036.6	1013.3	221.3	0.5	4.4	0.21	1010.0	870.0	778.0	684.0	547.0	430.0	17.3	603.5	34.7
Estatal	654.9	594.5	245.3	0.6	2.7	0.37	608.0	454.0	362.0	275.0	160.0	73.0	10.6	249.9	24.4

Tabla C.181. Características estadísticas de la lluvia anual de cada municipio del estado de San Luis Potosí.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Ahualulco	131.6	191.8	251.9	312.0	372.2	432.3	492.4	552.5	612.7	672.8	4.1	4.1	8.3	20.8	20.8	29.1	4.1	4.1	0.0	4.1
Alaquines	291.0	368.0	445.0	522.0	599.0	676.0	753.0	830.0	907.0	984.0	6.6	0.0	8.8	13.3	24.4	17.7	17.7	6.6	2.2	2.2
Aquismón	1328.6	1529.5	1730.3	1931.1	2132.0	2332.8	2533.6	2734.4	2935.3	3136.1	12.5	16.6	4.1	4.1	16.6	8.3	12.5	20.8	0.0	4.1
Armadillo de los Infante	346.2	411.3	476.5	541.6	606.8	672.0	737.1	802.3	867.4	932.6	12.0	16.0	8.0	8.0	16.0	12.0	20.0	0.0	0.0	8.0
Cárdenas	291.0	368.0	445.0	522.0	599.0	676.0	753.0	830.0	907.0	984.0	6.6	0.0	8.8	13.3	24.4	17.7	17.7	6.6	2.2	2.2
Catorce	210.0	261.6	313.2	364.8	416.3	467.9	519.5	571.1	622.7	674.3	9.0	6.8	27.2	9.0	15.9	13.6	9.0	2.2	4.5	2.2
Cedral	216.3	274.3	332.2	390.2	448.1	506.0	564.0	621.9	679.9	737.8	6.2	10.4	14.5	16.6	22.9	14.5	2.0	4.1	4.1	4.1
Cerritos	339.4	412.0	484.7	557.3	629.9	702.5	775.1	847.8	920.4	993.0	20.0	8.0	8.0	20.0	8.0	16.0	8.0	0.0	8.0	4.0
Cerro de San Pedro	346.2	411.3	476.5	541.6	606.8	672.0	737.1	802.3	867.4	932.6	12.0	16.0	8.0	8.0	16.0	12.0	20.0	0.0	0.0	8.0
Ciudad del Maíz	1018.0	1150.1	1282.2	1414.3	1546.4	1678.4	1810.5	1942.6	2074.7	2206.8	10.8	5.4	18.9	10.8	16.2	18.9	8.1	2.7	2.7	5.4
Ciudad Fernández	315.4	380.2	445.0	509.8	574.6	639.4	704.2	769.0	833.8	898.6	4.0	12.0	12.0	12.0	8.0	24.0	8.0	8.0	4.0	8.0
Tancanhuitz de Santos	1379.7	1596.6	1813.5	2030.4	2247.4	2464.3	2681.2	2898.1	3115.0	3331.9	16.6	12.5	20.8	8.3	8.3	20.8	8.3	0.0	0.0	4.1
Ciudad Valles	773.3	917.9	1062.6	1207.2	1351.9	1496.5	1641.2	1785.8	1930.5	2075.1	3.7	14.8	14.8	11.1	18.5	18.5	14.8	0.0	0.0	3.7
Coaxcaltlán	955.6	1212.1	1468.5	1725.0	1981.4	2237.8	2494.3	2750.7	3007.2	3263.6	3.7	7.4	7.4	18.5	11.1	18.5	7.4	18.5	3.7	3.7
Charcas	300.5	455.5	610.5	765.5	920.5	1075.5	1230.5	1385.5	1540.5	1695.5	27.5	32.5	30.0	0.0	7.5	0.0	0.0	0.0	0.0	2.5
Ebano	780.5	904.0	1027.5	1151.0	1274.6	1398.1	1521.6	1645.1	1768.6	1892.1	4.1	8.3	12.5	12.5	12.5	12.5	8.3	8.3	4.1	16.6
Guadalcázar	220.4	251.6	282.9	314.2	345.5	376.7	408.0	439.3	470.5	501.8	17.6	0.0	28.5	5.8	23.5	11.7	11.7	0.0	0.0	5.8
Huehuetlán	1334.8	1548.7	1762.7	1976.6	2190.6	2404.6	2618.5	2832.5	3046.4	3260.4	8.3	12.5	8.3	16.6	8.3	12.5	8.3	16.6	4.1	4.1
Lagunillas	468.2	557.0	645.8	734.6	823.3	912.1	1000.9	1089.7	1178.5	1267.3	21.8	9.3	15.6	15.6	12.5	12.5	3.1	3.1	0.0	6.2
Matehuala	278.2	346.4	414.5	482.7	550.9	619.1	687.3	755.4	823.6	891.8	9.3	9.3	18.7	18.7	20.3	7.8	7.8	4.6	1.5	1.5
Mexquité de Carmona	191.4	241.7	292.1	342.4	392.8	443.1	493.5	543.8	594.2	644.5	2.0	16.3	14.2	12.2	12.2	16.3	10.2	8.1	2.0	6.1
Moctezuma	155.1	213.7	272.2	330.8	389.3	447.8	506.4	564.9	623.5	682.0	6.8	2.2	14.1	20.4	25.0	11.3	6.8	4.5	2.2	2.2
Rayón	597.2	662.7	728.1	793.6	859.1	924.6	990.1	1055.5	1121.0	1186.5	8.0	12.0	12.0	8.0	16.0	28.0	8.0	0.0	4.0	4.0
Rioverde	325.3	372.7	420.1	467.5	514.9	562.3	609.7	657.1	704.5	751.9	11.1	18.5	11.1	3.7	7.4	22.2	3.7	7.4	11.1	3.7
Salinas	197.6	255.2	312.7	370.3	427.9	485.5	543.1	600.6	658.2	715.8	3.2	19.3	22.5	16.1	19.3	0.0	9.6	6.4	0.0	3.2
San Antonio	1276.1	1502.9	1729.8	1956.7	2183.6	2410.4	2637.3	2864.2	3091.0	3317.9	16.6	8.3	16.6	8.3	20.8	4.1	12.5	4.1	4.1	4.1
San Cirilo de Acosta	443.7	507.1	570.6	634.0	697.4	760.8	824.2	887.7	951.1	1014.5	24.0	4.0	8.0	12.0	8.0	12.0	16.0	12.0	0.0	4.0
San Luis Potosí	186.0	238.3	290.5	342.7	395.0	447.2	499.4	551.6	603.9	656.1	2.6	10.5	7.8	23.6	18.4	10.5	13.1	7.8	0.0	5.2
San Martín Chalchicuautla	663.4	793.0	922.5	1052.1	1181.6	1311.1	1440.7	1570.2	1699.8	1829.3	8.0	4.0	24.0	12.0	16.0	16.0	16.0	0.0	4.0	4.0
San Nicolás Tolentino	346.2	411.3	476.5	541.6	606.8	672.0	737.1	802.3	867.4	932.6	12.0	16.0	8.0	8.0	16.0	12.0	20.0	0.0	0.0	8.0

Tabla C.182. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de San Luis Potosí.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Santa Catarina	713.4	897.2	1081.1	1264.9	1448.8	1632.7	1816.5	2000.4	2184.2	2368.1	8.3	0.0	16.6	8.3	20.8	16.6	12.5	8.3	4.1	4.1
Santa María del Río	230.7	284.3	337.9	391.5	445.2	498.8	552.4	606.0	659.6	713.2	12.0	0.0	4.0	16.0	24.0	12.0	12.0	8.0	4.0	8.0
Santo Domingo	144.4	178.9	213.3	247.7	282.2	316.6	351.0	385.4	419.9	454.3	10.0	10.0	10.0	20.0	20.0	0.0	10.0	10.0	0.0	10.0
San Vicente Tancuayalab	658.2	760.8	863.4	966.1	1068.8	1171.4	1274.1	1376.7	1479.4	1582.0	4.1	4.1	12.5	16.6	0.0	12.5	16.6	8.3	0.0	25.0
Soledad de Graciano Sánchez	186.0	238.3	290.5	342.7	395.0	447.2	499.4	551.6	603.9	656.1	2.6	10.5	7.8	23.6	18.4	10.5	13.1	7.8	0.0	5.2
Tamasopo	687.5	895.7	1103.8	1312.0	1520.2	1728.4	1936.6	2144.7	2352.9	2561.1	6.9	4.6	9.3	11.6	20.9	18.6	9.3	9.3	4.6	4.6
Tamazunchale	1183.1	1341.2	1499.3	1657.4	1815.5	1973.7	2131.8	2289.9	2448.0	2606.1	6.8	3.4	13.7	10.3	13.7	6.8	3.4	17.2	6.8	17.2
Tampacán	932.1	1165.1	1398.0	1630.9	1863.9	2096.8	2329.7	2562.6	2795.6	3028.5	3.7	0.0	7.4	11.1	11.1	7.4	7.4	3.7	18.5	29.6
Tampamolón Corona	1379.7	1596.6	1813.5	2030.4	2247.4	2464.3	2681.2	2898.1	3115.0	3331.9	16.6	12.5	20.8	8.3	8.3	20.8	8.3	0.0	0.0	4.1
Tamuín	632.2	726.7	821.3	915.9	1010.5	1105.0	1199.6	1294.2	1388.7	1483.3	8.0	16.0	8.0	12.0	4.0	20.0	20.0	8.0	0.0	4.0
Tanlaías	1004.7	1152.1	1299.6	1447.0	1594.5	1742.0	1889.4	2036.9	2184.3	2331.8	4.1	20.0	8.3	8.3	16.6	8.3	20.8	8.3	0.0	4.1
Tanquián de Escobedo	888.5	1023.6	1158.6	1293.7	1428.7	1563.7	1698.8	1833.8	1968.9	2103.9	16.6	8.3	25.0	0.0	12.5	16.6	4.1	8.3	4.1	4.1
Tierranueva	235.3	295.1	354.8	414.6	474.4	534.2	594.0	653.7	713.5	773.3	13.3	26.6	16.6	23.3	6.6	10.0	0.0	0.0	0.0	3.3
Vanegas	219.0	293.1	367.2	441.3	515.4	589.5	663.6	737.7	811.8	885.9	13.6	15.9	27.2	22.7	9.0	2.2	6.8	0.0	0.0	2.2
Venado	195.2	277.5	359.7	441.9	524.2	606.4	688.6	770.8	853.1	935.3	3.1	9.3	37.5	15.6	12.5	12.5	6.2	0.0	0.0	3.1
Villa de Arriaga	198.4	242.2	286.1	329.9	373.8	417.6	461.5	505.3	549.2	593.0	30.7	3.8	26.9	7.6	7.6	0.0	3.8	11.5	3.8	3.8
Villa de Guadalupe	242.7	316.8	391.0	465.1	539.3	613.4	687.6	761.7	835.8	910.0	20.8	12.5	29.1	16.6	8.3	8.3	0.0	0.0	0.0	4.1
Villa de la Paz	240.8	323.2	405.7	488.1	570.5	652.9	735.3	817.8	900.2	982.6	6.8	25.0	15.9	27.2	11.3	6.8	4.5	0.0	0.0	2.2
Villa de Ramos	226.5	283.4	340.2	397.0	453.8	510.7	567.5	624.3	681.2	738.0	9.6	19.3	16.1	16.1	16.1	3.2	12.9	3.2	0.0	3.2
Villa de Reyes	165.9	221.5	277.1	332.7	388.4	444.0	499.6	555.2	610.8	666.4	3.7	7.4	18.5	29.6	14.8	11.1	7.4	0.0	3.7	3.7
Villa Hidalgo	203.5	269.9	336.3	402.7	469.1	535.4	601.8	668.2	734.6	801.0	12.0	24.0	36.0	12.0	8.0	4.0	0.0	0.0	0.0	4.0
Villa Juárez	339.4	412.0	484.7	557.3	629.9	702.5	775.1	847.8	920.4	993.0	20.0	8.0	8.0	20.0	8.0	16.0	8.0	0.0	8.0	4.0
Axtla de Terrazas	932.1	1165.1	1398.0	1630.9	1863.9	2096.8	2329.7	2562.6	2795.6	3028.5	3.7	0.0	7.4	11.1	11.1	7.4	7.4	3.7	18.5	29.6
Xilitla	1693.5	2030.7	2368.0	2705.3	3042.6	3379.8	3717.1	4054.4	4391.6	4728.9	9.5	14.2	4.7	9.5	19.0	23.8	9.5	4.7	0.0	4.7
Zaragoza	230.7	284.3	337.9	391.5	445.2	498.8	552.4	606.0	659.6	713.2	12.0	0.0	4.0	16.0	24.0	12.0	12.0	8.0	4.0	8.0
Villa de Arista	154.1	199.6	245.2	290.7	336.3	381.8	427.4	472.9	518.5	564.0	8.0	12.0	4.0	16.0	12.0	12.0	8.0	8.0	12.0	8.0
Matlapa	1277.0	1465.1	1653.3	1841.5	2029.7	2217.8	2406.0	2594.2	2782.3	2970.5	8.3	4.1	4.1	16.6	12.5	8.3	12.5	12.5	8.3	12.5
Naranja, El	703.6	803.7	903.8	1003.9	1104.0	1204.1	1304.2	1404.3	1504.4	1604.5	4.1	8.3	12.5	20.8	25.0	8.3	8.3	8.3	0.0	4.1
Estatad	354.6	459.3	564.0	668.7	773.4	878.1	982.8	1087.5	1192.2	1296.9	9.0	15.1	15.1	21.2	12.1	4.5	9.0	7.5	4.5	1.5

Tabla C.182. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de San Luis Potosí.

Municipio	Características promedio de la sequía meteorológica municipal									Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	llovía disponible		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X ₀	Hp disp S(mm)		
Ahuafuico	3.2	1.4	1.8	1.0	170.8	132.6	94.8	27.0	245.7	6.3	VASTA
Alaquines	4.2	1.4	2.0	1.2	245.6	255.2	122.8	20.0	462.4	4.9	MUY SEVERA
Aquismon	5.2	2.7	2.1	1.4	158.6	747.6	551.7	26.0	493.0	3.5	MUY VASTA
Armadillo de los Infante	4.2	2.1	2.0	1.4	281.6	265.0	140.8	25.0	419.6	4.2	MUY VASTA
Cárdenas	4.2	1.4	2.0	1.2	245.6	255.2	122.8	20.0	462.4	4.9	MUY SEVERA
Catorce	4.0	1.7	2.0	1.0	189.9	131.3	94.9	25.0	271.4	5.2	MUY VASTA
Cedral	4.5	1.2	2.3	1.1	243.0	177.2	105.6	26.0	294.1	4.6	MUY VASTA
Cerritos	4.4	1.7	2.1	1.2	332.9	327.0	158.5	28.0	391.2	4.5	MUY VASTA
Cerro de San Pedro	4.2	2.1	2.0	1.4	281.6	265.0	140.8	25.0	419.6	4.2	MUY VASTA
Ciudad del Maiz	4.7	2.3	2.1	1.7	576.6	563.1	274.5	19.0	163.9	4.9	MUY SEVERA
Ciudad Fernández	4.2	2.1	2.0	1.4	274.3	128.6	137.1	24.0	425.2	5.1	MUY VASTA
Tancanhuitz de Santos	4.2	2.3	2.0	1.4	902.1	729.5	451.0	23.0	461.5	3.9	MUY VASTA
Ciudad Valles	4.7	2.3	2.0	0.8	557.3	370.6	278.6	22.0	956.5	2.3	MUY VASTA
Coaxcatlán	4.0	1.9	1.8	1.1	946.3	700.9	525.7	26.0	449.9	4.9	VASTA
Charcas	3.6	1.5	2.0	1.4	288.9	251.4	144.4	32.0	301.3	4.3	MUY CRITICA
Ebano	4.0	2.3	2.7	2.4	704.3	841.9	260.8	19.0	1044.1	4.4	MUY SEVERA
Guadalcázar	2.9	1.2	1.3	0.4	85.3	73.0	65.6	21.0	246.5	5.0	VASTA
Huehuetlán	4.2	2.3	2.0	1.4	977.1	1115.1	488.5	23.0	1622.0	4.7	MUY VASTA
Lagunillas	4.3	2.4	2.2	1.5	389.7	387.7	177.1	25.0	509.4	5.5	MUY VASTA
Matehuala	4.5	1.7	2.4	1.8	249.3	233.4	103.8	22.0	367.1	4.7	MUY VASTA
Mexquitic de Carmona	3.6	1.9	1.9	1.4	191.6	211.7	100.8	27.0	266.2	3.1	VASTA
Moctezuma	5.1	1.8	2.5	1.3	217.8	134.9	87.1	25.0	256.3	4.8	MUY VASTA
Rayón	3.9	1.6	2.0	1.1	260.4	241.1	130.1	15.0	583.6	3.3	MUY SEVERA
Rioverde	4.9	3.6	2.3	1.6	257.8	265.1	112.0	23.0	373.0	3.5	MUY VASTA
Safinas	3.7	2.1	1.8	0.7	178.7	101.9	99.2	27.0	257.6	4.0	VASTA
San Antonio	5.0	1.8	2.3	1.3	1203.5	582.1	523.2	26.0	1416.0	4.0	MUY VASTA
San Ciro de Acosta	5.5	3.9	2.3	1.8	395.1	294.0	171.7	26.0	367.2	4.8	MUY VASTA
San Luis Potosí	4.1	2.3	2.7	2.0	246.9	195.7	91.4	24.0	276.5	4.9	MUY VASTA
San Martín Chalchicuautla	5.7	1.9	2.4	1.3	613.6	316.9	255.6	22.0	366.9	5.4	MUY VASTA
San Nicolás Tolentino	4.2	2.1	2.0	1.4	281.6	265.0	140.8	25.0	419.6	4.2	MUY VASTA

Tabla C.183. Características de la sequía promedio de cada municipio del estado de San Luis Potosí.

Municipio	Características promedio de la sequía meteorológica municipal										Tipo de sequía Meteorológica	
	Periodicidad		Duración		Severidad		Intensidad		Huvia disponible			T _r (años) para
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	% de IS respecto a X _s	H _p disp S(mm)	H _p disp S(mm)		
Santa Catarina	10.0	4.0	3.6	1.2	1361.7	304.8	378.2	27.0	1019.9	5.5	EXTREMADAMENTE VASTA	
Santa María del Río	3.7	1.9	2.7	2.4	260.3	329.6	96.4	21.0	349.7	4.7	MUY VASTA	
Santo Domingo	4.0	2.0	2.3	1.2	126.5	92.6	55.0	21.0	205.6	3.5	MUY VASTA	
San Vicente Tancuayalab	4.2	2.3	2.0	1.4	486.0	208.0	243.0	20.0	914.5	5.1	MUY SEVERA	
Soledad de Graciano Sánchez	4.1	2.3	2.7	2.0	246.9	195.7	91.4	24.0	276.5	4.9	MUY VASTA	
Tamasopo	4.4	1.5	2.3	1.4	840.1	797.7	365.2	24.0	1123.4	4.8	MUY VASTA	
Tamazunchale	4.5	2.4	2.5	1.5	1002.2	476.0	400.8	21.0	1498.3	4.5	MUY VASTA	
Tampacán	6.0	3.5	2.3	2.3	1558.5	2009.9	677.6	30.0	1354.7	5.2	MUY VASTA	
Tampamolón Corona	4.2	2.3	2.0	1.4	902.1	729.5	451.0	23.0	1461.5	3.9	MUY VASTA	
Tamuin	3.9	1.8	2.0	1.4	410.4	352.7	205.1	21.0	715.1	3.4	MUY VASTA	
Tanlaías	7.0	2.8	2.7	1.2	897.7	479.1	332.4	22.0	1173.5	3.5	MUY VASTA	
Tanquián de Escobedo	4.2	2.3	2.0	1.4	610.1	370.8	305.0	23.0	943.0	4.4	MUY VASTA	
Tierranueva	7.2	1.9	3.0	2.0	268.5	278.8	89.5	26.0	244.5	4.5	EXTREMADAMENTE VASTA	
Vanegas	3.9	1.3	2.2	0.9	203.1	118.9	92.3	25.0	273.2	4.7	MUY VASTA	
Venado	3.5	1.4	2.2	1.2	205.6	131.8	93.4	22.0	319.2	1.8	MUY VASTA	
Villa de Arriaga	3.6	1.3	2.8	2.0	216.1	226.3	77.1	25.0	223.7	3.6	MUY VASTA	
Villa de Guadalupe	4.3	1.4	2.5	1.2	228.4	166.5	91.3	23.0	296.3	3.7	MUY VASTA	
Villa de la Paz	3.8	1.3	2.2	1.2	265.9	203.5	120.8	28.0	297.7	4.5	MUY VASTA	
Villa de Ramos	6.0	2.5	2.9	2.3	264.1	208.6	91.0	24.0	283.0	4.4	MUY VASTA	
Villa de Reyes	3.4	1.5	2.0	0.8	146.4	104.7	73.1	21.0	260.9	4.1	MUY VASTA	
Villa Hidalgo	3.2	1.2	2.0	1.0	135.4	114.0	67.6	21.0	241.3	3.7	MUY VASTA	
Villa Juárez	4.4	1.7	2.1	1.2	332.9	327.0	158.5	28.0	391.2	4.5	MUY VASTA	
Axtla de Terrazas	6.0	3.5	2.3	2.3	1558.5	2009.9	677.6	30.0	1354.7	5.2	MUY VASTA	
Xilitla	3.0	1.1	1.1	0.3	959.0	424.0	871.8	30.0	1972.8	2.7	VASTA	
Zaragoza	3.7	1.9	2.7	2.4	260.3	329.6	96.4	21.0	349.7	4.7	MUY VASTA	
Villa de Arista	6.0	1.8	2.6	1.3	256.0	180.1	98.4	29.0	288.3	5.1	MUY VASTA	
Mattapa	5.2	2.7	2.1	1.4	1022.9	293.1	487.0	22.0	1643.2	5.8	MUY VASTA	
Naranjo, El	5.2	1.7	2.7	1.6	401.6	216.7	148.7	14.0	887.8	4.4	MUY SEVERA	
Estatal	5.9	4.0	3.1	3.0	549.2	754.4	177.1	27.0	477.7	4.2	EXTREMADAMENTE VASTA	

Tabla C.183. Características de la sequía promedio de cada municipio del estado de San Luis Potosí.

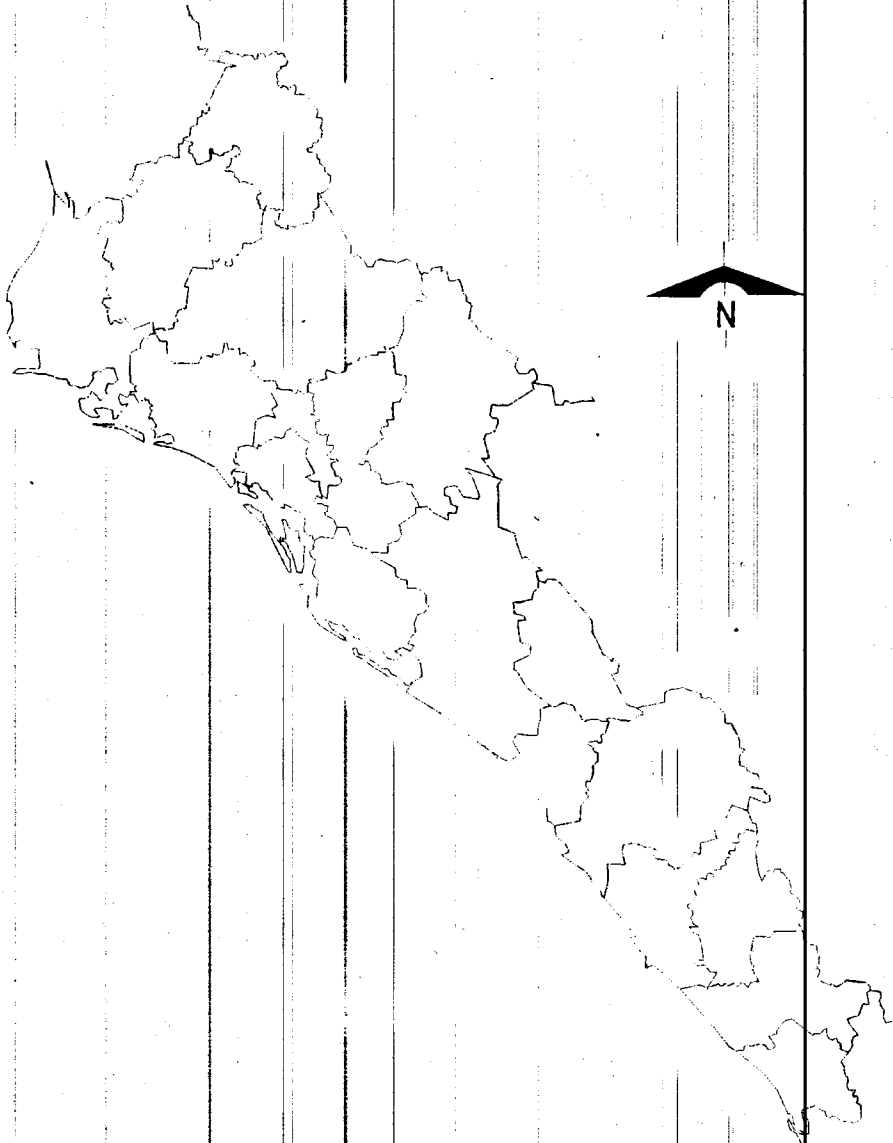
Municipio	Características máximas de la sequía meteorológica municipal						Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad	Duración	P = $S_{máx}/D_{máx}$	% de P	Intensidad	Duración / máx	% de / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	P (mm/año)	respecto a X_s	I máx(mm/año)	D / máx(años)	respecto a X_s	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Ahualulco	382.7	4.0	95.6	28.0	142.9	2.0	41.0	50.0	33.3	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0
Alaquines	958.5	5.0	191.7	32.0	347.1	1.0	59.0	36.3	45.4	0.0	9.0	9.0	0.0	0.0	0.0	0.0	0.0
Aquismón	2614.2	5.0	522.8	25.0	707.0	1.0	34.0	40.0	40.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Armadillo de I	831.4	5.0	166.2	29.0	279.4	1.0	49.0	50.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Cárdenas	958.5	5.0	191.7	32.0	347.1	1.0	59.0	36.3	45.4	0.0	9.0	9.0	0.0	0.0	0.0	0.0	0.0
Catorce	482.0	4.0	120.5	32.0	171.4	1.0	46.0	45.4	9.0	36.3	9.0	0.0	0.0	0.0	0.0	0.0	0.0
Cedral	615.8	4.0	153.9	38.0	153.9	4.0	38.0	30.0	20.0	30.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Cerritos	991.1	4.0	247.7	45.0	247.7	4.0	45.0	50.0	0.0	33.3	6.6	0.0	0.0	0.0	0.0	0.0	0.0
Cerro de S Ptl	831.4	5.0	166.2	29.0	279.4	1.0	49.0	50.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Ciudad del M	1976.0	6.0	329.3	22.0	488.1	1.0	33.0	62.5	12.5	0.0	2.5	0.0	12.5	0.0	0.0	0.0	0.0
Ciudad Fez	476.2	5.0	95.2	16.0	311.7	1.0	55.0	50.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Tancanhuitz S	2429.2	5.0	485.8	25.0	664.6	1.0	34.0	50.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Ciudad Valles	1050.5	3.0	350.1	28.0	350.1	3.0	28.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coahuatlán	2521.4	3.0	840.4	42.0	881.6	1.0	44.0	57.1	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Charcas	836.6	5.0	167.3	37.0	221.0	2.0	49.0	45.4	36.3	0.0	0.0	18.1	0.0	0.0	0.0	0.0	0.0
Ebano	2236.1	7.0	319.4	24.0	319.4	7.0	24.0	60.0	0.0	0.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0
Guadalcázar	227.7	2.0	113.8	36.0	123.0	1.0	39.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Huehuatlán	3419.5	5.0	683.9	32.0	698.7	1.0	33.0	50.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Lagunillas	1301.7	6.0	216.9	31.0	239.7	1.0	34.0	28.5	57.1	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Matehuala	872.8	8.0	109.1	23.0	164.4	1.0	34.0	35.7	35.7	14.2	0.0	7.1	0.0	0.0	7.1	0.0	0.0
MexQUITIC de C	801.9	6.0	133.6	36.0	137.0	1.0	37.0	53.8	30.7	0.0	7.6	0.0	7.6	0.0	0.0	0.0	0.0
Moctezuma	515.0	5.0	103.0	29.0	117.4	1.0	34.0	33.3	11.1	33.3	1.1	11.1	0.0	0.0	0.0	0.0	0.0
Rayón	609.8	3.0	203.2	24.0	203.2	3.0	24.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Ríoverde	829.0	6.0	138.1	28.0	138.1	6.0	28.0	33.3	50.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Salinas	379.3	3.0	126.4	35.0	153.3	1.0	42.0	33.3	44.4	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
San Antonio	1984.4	4.0	496.1	25.0	808.9	1.0	41.0	40.0	20.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
San Ciro de A.	932.9	6.0	155.4	24.0	227.6	1.0	35.0	40.0	40.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
San Luis Potosí	616.3	7.0	88.0	23.0	115.9	1.0	31.0	42.8	14.2	14.2	14.2	0.0	0.0	14.2	0.0	0.0	0.0
San Martín Ch.	1102.7	4.0	275.6	24.0	588.6	1.0	52.0	40.0	20.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
San Nicolás T.	831.4	5.0	166.2	29.0	279.4	1.0	49.0	50.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0

Tabla C.184. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de San Luis Potosí

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad S máx(mm)	Duración D máx(años)	I ¹ =Smáx/Dmáx I ¹ (mm/año)	% de I ¹ respecto a X ₀	Intensidad I máx(mm/año)	Duración / máx D / máx(años)	% de I máx respecto a X ₀	1 año (%)	2 años (%)	3 años (%)	4 años (%)	5 años (%)	6 años (%)	7 años (%)	8 años (%)	9 años (%)	10 años (%)
Santa Catarina	1780.0	5.0	356.0	25.0	531.0	2.0	37.0	0.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0
Sta Ma del Río	874.4	7.0	124.9	27.0	124.9	7.0	27.0	60.0	0.0	0.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0
Santo Domingo	256.5	4.0	64.1	24.0	64.1	4.0	24.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Sn Vicente T	794.2	2.0	397.1	34.0	397.1	2.0	34.0	50.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Soledad de GS	616.3	7.0	88.0	23.0	115.9	1.0	31.0	42.8	14.2	14.2	14.2	0.0	0.0	14.2	0.0	0.0	0.0
Tamasopo	2637.4	6.0	439.5	29.0	1009.3	1.0	67.0	30.0	50.0	0.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0
Tamazunchale	2010.6	5.0	402.1	21.0	874.1	1.0	46.0	33.3	33.3	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0
Tampacán	5540.8	7.0	791.5	35.0	959.2	1.0	42.0	60.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
Tampamolón C	2429.2	5.0	485.8	25.0	664.6	1.0	34.0	50.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Tamulín	952.5	4.0	238.1	25.0	412.6	1.0	43.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Tantajás	1457.6	4.0	364.4	24.0	410.5	2.0	27.0	25.0	25.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
Tanquián de E.	1406.2	5.0	281.2	21.0	443.0	1.0	34.0	50.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Tierranueva	797.6	6.0	132.9	38.0	132.9	6.0	38.0	40.0	20.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0
Vanegas	478.7	4.0	119.6	32.0	160.7	1.0	43.0	27.2	27.2	36.3	9.0	0.0	0.0	0.0	0.0	0.0	0.0
Venado	446.9	3.0	148.9	36.0	161.8	1.0	39.0	33.3	33.3	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0
Villa de Arriaga	671.9	7.0	95.9	31.0	99.2	3.0	32.0	33.3	16.6	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Villa de Gpe	399.7	5.0	79.9	20.0	189.4	2.0	48.0	16.6	50.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Villa de la Paz	690.8	4.0	172.7	41.0	235.8	1.0	56.0	50.0	0.0	30.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Villa de Ramos	692.9	8.0	86.6	23.0	140.2	1.0	37.0	16.6	50.0	16.6	0.0	0.0	0.0	0.0	16.6	0.0	0.0
Villa de Reyes	359.8	4.0	89.9	26.0	133.2	2.0	39.0	25.0	62.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Villa Hidalgo	343.5	2.0	171.7	55.0	171.7	2.0	55.0	37.5	37.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Villa Juárez	991.1	4.0	247.7	45.0	247.7	4.0	45.0	50.0	0.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Axtla de T.	5540.8	7.0	791.5	35.0	959.2	1.0	42.0	60.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
Xilitla	1488.4	1.0	1488.4	52.0	1488.4	1.0	52.0	85.7	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zaragoza	874.4	7.0	124.9	27.0	124.9	7.0	27.0	60.0	0.0	0.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0
Villa de Arista	482.1	4.0	120.5	35.0	125.8	3.0	37.0	40.0	0.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
Matlapa	1583.2	5.0	316.6	14.0	1041.4	1.0	48.0	40.0	40.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Naranjo, El	613.6	4.0	153.4	14.0	282.8	1.0	27.0	40.0	0.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
Estatal	2627.1	9.0	291.9	44.0	291.9	9.0	44.0	50.0	16.6	8.3	0.0	0.0	0.0	8.3	0.0	16.6	0.0

Tabla C.184. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de San Luis Potosí.

SINALOA



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de					retorno (Tr)	Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv	Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _e (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p mín(mm)	H _p mín
HA25001	776.8	763.5	221.8	0.4	3.7	0.29	613.6	417.5	287.7	163.2	2.0	0.0	5.2	321.1	8.3
HA25002	626.9	670.3	265.9	-0.2	3.4	0.42	683.0	301.0	254.0	211.0	136.0	43.0	9.0	168.9	35.4
HA25003	347.7	334.5	121.7	0.4	2.9	0.35	322.0	249.0	207.0	168.0	118.0	79.0	14.1	143.3	31.3
HA25006	925.7	921.5	270.0	-0.4	4.7	0.29	916.0	815.0	608.0	381.0	94.0	0.0	15.2	355.0	21.7
HA25007	712.7	669.4	171.2	0.4	3.4	0.24	672.0	565.0	503.0	439.0	339.0	251.0	13.7	403.9	28.2
HA25009	461.9	415.4	156.2	0.2	2.8	0.34	406.0	343.0	307.0	274.0	231.0	200.0	110.1	135.4	414.8
HA25011	787.0	767.5	230.2	0.0	3.8	0.29	763.0	620.0	523.0	421.0	268.0	139.0	38.5	209.0	69.1
HA25012	906.3	922.0	258.5	0.0	3.6	0.29	894.0	698.0	584.0	473.0	326.0	211.0	17.0	400.4	31.5
HA25013	353.3	344.0	134.9	0.4	3.0	0.38	324.0	236.0	189.0	146.0	88.0	43.0	10.5	139.5	22.0
HA25015	666.3	614.6	175.1	1.0	4.5	0.26	609.0	532.0	481.0	419.0	297.0	179.0	11.1	401.2	23.5
HA25016	610.5	623.0	84.0	-0.1	3.8	0.14	620.0	530.0	503.0	479.0	447.0	421.0	10.1	476.2	21.9
HA25017	741.7	758.0	245.4	0.8	4.2	0.33	702.0	498.0	416.0	309.0	115.0	0.0	4.2	434.0	8.7
HA25019	735.5	684.7	242.8	1.0	5.0	0.33	705.0	548.0	445.0	344.0	204.0	89.0	7.3	388.5	14.8
HA25022	343.2	343.9	115.9	0.3	2.5	0.34	347.0	229.0	207.0	187.0	157.0	128.0	5.6	191.0	17.3
HA25023	616.5	604.9	193.2	0.7	4.4	0.31	589.0	451.0	344.0	219.0	26.0	0.0	8.0	296.9	13.1
HA25024	731.9	746.6	216.6	-0.2	3.6	0.30	725.0	574.0	481.0	394.0	281.0	197.0	41.6	208.5	91.0
HA25025	616.7	638.6	160.5	-0.1	3.4	0.26	623.0	486.0	398.0	313.0	201.0	116.0	16.7	265.9	29.3
HA25027	431.1	415.8	174.2	0.7	4.3	0.40	403.0	282.0	186.0	74.0	0.0	0.0	10.1	110.3	16.2
HA25028	657.3	604.8	222.3	0.8	5.6	0.34	631.0	496.0	401.0	298.0	135.0	0.0	16.5	217.4	32.4
HA25029	1111.5	1180.7	267.0	0.0	3.4	0.24	1140.0	859.0	733.0	606.0	421.0	270.0	11.6	590.0	21.7
HA25030	547.1	508.9	173.2	0.2	2.7	0.32	519.0	407.0	344.0	285.0	209.0	153.0	15.5	242.6	33.3
HA25031	647.2	661.2	202.0	-0.1	3.3	0.31	681.0	514.0	421.0	290.0	117.0	0.0	18.3	219.0	29.1
HA25032	584.9	568.8	174.4	0.0	3.2	0.30	581.0	437.0	354.0	277.0	178.0	105.0	11.5	276.3	20.1
HA25033	908.5	853.5	250.9	0.4	3.7	0.28	855.0	733.0	645.0	533.0	335.0	167.0	22.2	413.1	35.6
HA25035	381.3	421.5	105.3	-0.6	3.1	0.28	419.0	284.0	223.0	169.0	101.0	50.0	9.8	193.8	14.4
HA25036	1501.0	1590.3	280.6	-0.5	3.2	0.19	1602.0	1223.0	1120.0	1030.0	918.0	835.0	14.1	990.5	27.5
HA25038	429.7	386.2	192.7	0.8	3.5	0.45	373.0	270.0	211.0	154.0	80.0	22.0	5.3	202.5	11.0
HA25041	1012.3	964.8	238.7	0.8	5.1	0.24	968.0	808.0	700.0	583.0	399.0	239.0	7.2	649.2	13.7
HA25042	324.2	289.2	158.8	2.2	11.0	0.49	305.0	202.0	127.0	41.0	0.0	0.0	4.4	139.5	8.9
HA25043	802.5	792.8	210.0	0.4	7.2	0.26	819.0	664.0	558.0	449.0	289.0	144.0	35.1	229.5	67.4
HA25044	771.4	747.2	265.0	0.4	3.9	0.34	726.0	556.0	443.0	315.0	112.0	0.0	21.3	184.8	36.6
HA25045	772.4	721.5	185.1	0.7	3.1	0.24	725.0	629.0	571.0	517.0	448.0	396.0	14.4	476.7	34.0
HA25046	859.1	856.1	213.9	0.5	6.0	0.25	863.0	692.0	580.0	472.0	333.0	229.0	12.3	442.6	24.2
HA25047	1024.7	1172.8	349.0	-0.4	2.7	0.34	1179.0	665.0	565.0	477.0	366.0	285.0	10.4	462.7	22.4
HA25048	390.5	384.1	158.8	0.6	3.7	0.41	373.0	283.0	228.0	176.0	108.0	58.0	13.5	152.6	27.2
HA25049	1083.1	1093.1	203.9	-0.3	3.4	0.19	1090.0	916.0	817.0	724.0	603.0	512.0	25.4	607.3	48.4
HA25050	516.0	506.7	209.3	1.0	4.8	0.41	481.0	370.0	301.0	234.0	147.0	81.0	10.1	216.1	24.2
HA25052	1021.4	847.8	476.5	1.3	4.2	0.47	884.0	668.0	529.0	388.0	188.0	11.0	5.5	484.5	12.5
HA25053	615.7	537.7	213.5	0.8	3.1	0.35	528.0	443.0	395.0	344.0	261.0	175.0	6.3	358.3	16.6

Tabla C.185. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Sinaloa.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X ₀ (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
HA25054	792.2	773.4	151.6	0.2	3.0	0.19	779.0	688.0	631.0	577.0	508.0	457.0	30.1	491.4	62.7
HA25055	566.1	589.6	139.0	-0.2	3.4	0.25	580.0	477.0	410.0	345.0	261.0	197.0	16.4	309.0	29.7
HA25056	480.6	497.0	118.4	0.3	3.3	0.25	487.0	343.0	333.0	320.0	257.0	194.0	2.9	321.4	18.7
HA25058	1089.3	1074.2	274.9	-0.1	4.2	0.25	1089.0	921.0	795.0	651.0	428.0	243.0	23.4	506.9	36.8
HA25059	473.3	393.0	244.7	1.1	4.3	0.52	414.0	309.0	242.0	180.0	99.0	38.0	15.4	114.7	41.7
HA25061	528.9	517.7	203.0	0.7	3.5	0.38	499.0	337.0	308.0	268.0	149.0	31.0	2.6	308.5	9.9
HA25064	670.5	704.6	200.4	0.8	4.4	0.30	576.0	484.0	433.0	356.0	193.0	60.0	5.7	400.0	14.1
HA25065	292.6	306.2	84.2	-0.4	2.8	0.29	302.0	223.0	177.0	134.0	79.0	39.0	14.9	123.0	24.0
HA25066	569.2	564.5	167.7	0.4	4.0	0.29	566.0	423.0	320.0	212.0	53.0	0.0	8.9	264.4	14.4
HA25068	927.1	873.7	286.9	-0.1	4.3	0.31	865.0	730.0	641.0	533.0	344.0	178.0	55.9	189.6	95.5
HA25069	735.4	683.3	270.4	1.9	9.2	0.37	711.0	546.0	437.0	329.0	183.0	63.0	10.2	296.1	24.7
HA25071	641.0	615.6	179.2	0.9	3.9	0.28	610.0	491.0	412.0	332.0	217.0	121.0	8.3	362.0	15.5
HA25074	1213.0	1218.2	192.2	-0.6	3.8	0.16	1071.6	901.7	789.2	681.3	541.7	437.0	5.4	819.8	8.2
HA25076	482.0	442.3	164.0	1.0	3.9	0.34	434.0	358.0	310.0	260.0	181.0	106.0	7.3	274.7	16.4
HA25077	698.1	727.5	197.3	0.7	4.4	0.28	711.0	492.0	429.0	349.0	197.0	70.0	4.5	428.0	10.1
HA25078	850.6	846.2	229.8	-0.4	7.4	0.27	850.0	711.0	590.0	426.0	143.0	0.0	30.2	179.5	44.7
HA25080	415.9	379.0	154.6	0.9	3.6	0.37	302.2	165.5	75.0	0.0	0.0	0.0	2.4	220.1	3.4
HA25081	845.5	872.1	173.8	-0.5	3.6	0.21	861.0	716.0	624.0	537.0	424.0	340.0	24.5	439.0	44.3
HA25082	476.6	457.3	189.7	0.3	3.2	0.40	441.0	318.0	245.0	172.0	70.0	0.0	12.8	141.8	26.5
HA25083	683.6	646.5	127.3	1.0	4.3	0.19	636.0	587.0	558.0	530.0	490.0	456.0	5.9	537.3	16.6
HA25084	820.1	811.5	182.6	0.0	4.2	0.22	805.0	676.0	601.0	532.0	442.0	375.0	15.7	491.0	30.2
HA25085	837.3	809.8	303.0	-0.7	3.3	0.36	865.0	574.0	416.0	270.0	84.0	0.0	17.2	194.0	29.0
HA25086	403.9	437.0	157.6	0.2	4.7	0.39	423.0	268.0	148.0	31.0	0.0	0.0	8.6	102.8	13.1
HA25087	732.6	717.8	197.2	0.2	2.8	0.27	726.0	543.0	484.0	411.0	280.0	164.0	8.8	423.2	18.1
HA25088	381.3	396.0	160.3	0.9	4.3	0.42	343.0	222.0	166.0	86.0	0.0	0.0	4.5	167.0	9.9
HA25090	520.6	446.1	233.2	0.7	4.0	0.45	410.0	323.0	281.0	233.0	141.0	33.0	6.6	231.0	20.6
HA25091	715.1	717.0	184.7	-0.4	4.8	0.26	712.0	585.0	500.0	413.0	290.0	191.0	56.2	183.0	105.2
HA25092	746.6	753.2	250.7	-0.3	3.8	0.34	758.0	557.0	422.0	289.0	108.0	0.0	21.0	170.7	36.5
HA25093	1246.3	1225.6	233.9	0.6	3.4	0.19	1199.0	1066.0	985.0	906.0	799.0	711.0	11.9	874.1	26.5
HA25094	849.6	914.3	280.5	-0.9	5.8	0.33	890.0	690.0	549.0	403.0	194.0	24.0	35.0	161.0	57.4
HA25097	957.1	978.3	219.8	-0.9	5.7	0.23	982.0	799.0	676.0	556.0	397.0	275.0	53.7	273.5	100.8
HA25098	271.0	255.6	120.3	1.0	4.7	0.44	255.0	175.0	124.0	75.0	12.0	0.0	7.9	91.0	16.0
HA25099	316.0	281.8	134.7	0.7	3.5	0.43	274.0	213.0	177.0	143.0	99.0	66.0	9.0	141.7	20.5
HA25100	770.4	796.1	202.7	-1.2	5.0	0.26	621.2	442.0	323.3	209.5	62.2	0.0	12.7	201.3	21.0
HA25101	783.2	807.5	321.8	-0.1	3.6	0.41	815.0	565.0	395.0	224.0	0.0	0.0	14.7	170.0	24.8
HA25110	981.1	929.2	262.9	0.8	3.9	0.27	961.0	790.0	681.0	577.0	443.0	342.0	11.6	550.5	23.9
HA25116	356.9	338.6	140.3	0.5	3.3	0.39	334.0	243.0	188.0	133.0	58.0	0.0	6.7	167.9	12.9
HA25117	650.0	607.0	199.2	0.7	4.9	0.31	625.0	510.0	430.0	344.0	206.0	77.0	23.1	231.5	43.0
HA25118	882.8	866.8	246.0	0.9	4.6	0.28	837.0	690.0	590.0	482.0	312.0	157.0	7.7	523.1	15.6

Tabla C.185. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Sinaloa.

Estación	Características promedio de la sequía meteorológica									Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS respecto a X_s	lluvia disponible Hp disp S(mm)		
	Per(Saños)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)		Hp disp S(mm)		
HA25001	3.2	1.0	1.6	0.9	270.6	197.3	169.1	21.0	607.7	2.0	VASTA
HA25002	3.3	1.2	1.5	0.8	383.2	272.2	255.4	40.0	371.5	3.6	CRITICA
HA25003	4.6	1.4	2.5	1.8	196.9	215.4	78.7	22.0	269.0	3.7	MUY VASTA
HA25006	3.1	1.4	1.8	1.0	318.5	381.4	176.9	19.0	748.8	6.5	SEVERA
HA25007	3.2	1.5	1.7	1.0	218.6	123.5	106.0	18.0	584.2	4.1	SEVERA
HA25009	4.7	2.4	2.6	1.8	275.8	152.9	106.0	22.0	355.9	4.0	MUY VASTA
HA25011	5.2	2.4	3.4	1.6	525.3	449.7	154.5	19.0	632.5	4.6	EXTREMADAMENTE SEVERA
HA25012	4.2	2.8	1.7	1.1	406.6	416.3	239.1	26.0	667.1	6.0	VASTA
HA25013	5.3	1.6	2.5	2.0	236.5	146.2	94.5	26.0	258.7	3.7	MUY VASTA
HA25015	3.8	1.6	2.1	1.1	247.4	132.6	117.8	17.0	548.5	4.0	MUY SEVERA
HA25016	2.6	0.9	1.2	0.4	87.5	62.9	72.9	11.0	537.6	4.2	SEVERA
HA25017	2.5	0.5	1.1	0.3	230.1	96.3	209.1	28.0	532.5	3.7	VASTA
HA25019	3.2	1.6	1.7	1.0	284.8	138.1	167.5	22.0	568.0	4.4	VASTA
HA25022	4.0	1.8	1.5	0.8	164.5	90.0	109.6	31.0	233.5	4.4	CRITICA
HA25023	2.8	1.0	1.5	0.9	199.5	146.8	133.0	21.0	483.4	4.0	VASTA
HA25024	2.7	0.7	1.3	0.6	246.5	244.2	189.6	25.0	542.2	6.3	VASTA
HA25025	3.8	2.1	1.5	0.7	228.8	123.8	152.5	24.0	464.1	5.9	VASTA
HA25027	3.6	1.2	1.8	1.3	221.4	147.9	123.0	28.0	308.0	4.1	VASTA
HA25028	4.1	2.5	2.2	1.7	342.9	207.5	155.8	23.0	501.5	4.8	MUY VASTA
HA25029	4.1	0.8	1.8	0.8	464.0	292.0	257.7	23.0	853.7	5.2	VASTA
HA25030	4.5	1.7	2.3	1.3	283.5	280.2	123.2	22.0	423.8	4.2	MUY VASTA
HA25031	3.3	1.1	1.9	1.4	349.0	228.0	183.6	28.0	463.5	7.7	VASTA
HA25032	5.0	1.0	3.0	1.4	395.4	169.5	131.8	22.0	453.0	4.4	EXTREMADAMENTE VASTA
HA25033	2.8	0.7	1.5	0.8	268.3	208.0	178.8	19.0	729.7	5.1	SEVERA
HA25035	3.0	0.8	1.5	0.8	142.7	165.7	95.1	24.0	286.2	4.9	VASTA
HA25036	4.0	1.0	1.6	0.4	481.9	199.1	301.1	20.0	1199.9	5.8	SEVERA
HA25038	5.3	2.4	2.7	1.7	329.7	239.2	122.1	28.0	307.6	3.4	MUY VASTA
HA25041	3.0	1.0	1.5	0.8	254.6	225.2	169.7	16.0	842.5	4.0	SEVERA
HA25042	4.5	2.3	2.3	1.9	212.6	200.9	92.4	28.0	231.8	3.8	MUY VASTA
HA25043	2.7	0.8	1.6	0.8	253.2	171.7	158.2	19.0	644.3	5.7	SEVERA
HA25044	3.1	1.1	1.6	1.1	306.1	203.3	191.3	24.0	580.0	4.3	VASTA
HA25045	3.8	1.0	2.2	1.1	267.4	125.7	121.5	15.0	650.8	3.9	MUY SEVERA
HA25046	4.6	1.6	2.1	1.4	318.4	410.9	151.6	17.0	707.4	4.6	MUY SEVERA
HA25047	3.5	1.5	1.6	0.9	622.5	440.8	389.0	37.0	635.6	6.0	CRITICA
HA25048	5.0	1.0	2.3	0.4	291.3	77.3	126.6	32.0	263.8	6.3	MUY CRITICA
HA25049	2.8	0.8	1.3	0.6	256.2	190.3	197.0	18.0	886.1	6.1	SEVERA
HA25050	4.0	2.4	2.3	1.4	301.5	290.4	131.0	25.0	384.9	4.4	MUY VASTA
HA25052	5.0	2.5	3.6	1.9	1001.4	601.8	278.1	27.0	743.3	3.5	EXTREMADAMENTE VASTA
HA25053	3.4	1.2	1.7	1.3	270.4	216.9	159.0	25.0	456.6	4.1	VASTA

Tabla C.187. Características de la sequía promedio de cada estación climatológica del estado de Sinaloa.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad PerS(años)	DesvStd PerS (años)	Duración DS(años)	DesvStd DS (años)	Severidad SS(mm)	DesvStd SS (mm)	Intensidad IS(mm/año)	% de IS respecto a X.	Hvía disponible Hp disp S(mm)	Hvía disponible Hp disp S(mm)		
HA25054	4.2	1.4	2.3	1.5	227.8	173.0	99.0	12.0	633.2	4.7	MUY SEVERA	
HA25055	3.8	2.1	1.5	0.7	195.6	90.4	130.3	23.0	495.7	7.6	VASTA	
HA25056	3.5	0.5	2.3	0.9	257.9	119.5	112.1	23.0	368.4	2.8	MUY VASTA	
HA25058	5.6	0.9	2.7	1.9	467.3	409.8	173.0	15.0	916.3	5.1	MUY SEVERA	
HA25059	5.3	2.8	3.7	2.6	465.5	308.2	125.8	26.0	347.4	3.4	EXTREMADAMENTE VASTA	
HA25061	3.6	1.2	2.0	1.0	309.6	136.3	154.8	29.0	374.0	2.5	MUY VASTA	
HA25064	3.1	1.1	1.3	0.7	230.5	153.2	177.3	26.0	493.1	4.4	VASTA	
HA25065	4.0	1.2	1.6	0.9	133.6	110.5	83.5	28.0	209.1	6.1	VASTA	
HA25066	3.6	1.2	2.2	1.6	274.3	320.5	124.6	21.0	444.6	4.3	MUY VASTA	
HA25068	6.0	3.6	2.8	2.2	558.5	502.9	199.4	21.0	727.7	5.1	MUY VASTA	
HA25069	4.5	2.8	2.3	1.7	381.9	189.4	166.0	22.0	569.4	4.3	MUY VASTA	
HA25071	3.4	1.4	1.7	0.8	216.6	164.3	127.4	19.0	513.5	4.1	SEVERA	
HA25074	2.2	0.3	1.3	0.4	209.6	146.0	161.2	13.0	1051.7	2.2	SEVERA	
HA25076	3.7	1.8	2.6	1.6	254.6	204.4	97.9	20.0	384.1	3.5	MUY SEVERA	
HA25077	2.6	0.9	1.1	0.3	183.7	74.2	167.0	23.0	581.0	3.4	VASTA	
HA25078	4.7	1.4	2.3	1.0	345.8	369.4	150.3	17.0	700.3	5.3	MUY SEVERA	
HA25080	4.0	1.4	2.1	1.4	244.3	164.3	116.3	27.0	299.6	2.0	MUY VASTA	
HA25081	3.7	1.7	1.8	1.4	281.0	267.4	156.1	18.0	689.3	6.1	SEVERA	
HA25082	5.7	1.4	2.8	1.5	386.3	190.2	137.9	28.0	388.6	4.1	MUY VASTA	
HA25083	2.7	0.8	1.7	0.7	143.9	85.9	84.6	12.0	599.0	3.8	SEVERA	
HA25084	4.0	1.0	2.3	0.9	278.3	102.0	121.0	14.0	699.0	4.1	MUY SEVERA	
HA25085	3.3	0.9	1.7	0.7	401.7	384.1	236.2	28.0	601.1	4.5	VASTA	
HA25086	5.2	3.4	1.8	1.5	267.9	195.7	148.8	36.0	255.1	5.4	CRITICA	
HA25087	3.6	1.5	1.8	1.3	294.1	285.2	163.3	22.0	569.2	3.8	VASTA	
HA25088	4.0	3.6	1.7	1.1	225.4	136.3	132.5	34.0	248.8	3.5	CRITICA	
HA25090	4.0	1.0	2.3	0.4	386.4	154.5	168.0	32.0	362.5	3.2	MUY CRITICA	
HA25091	4.4	1.6	2.5	1.6	342.3	245.9	136.9	19.0	578.1	5.3	MUY SEVERA	
HA25092	3.5	2.0	2.1	2.0	399.2	520.8	190.0	25.0	566.5	5.0	MUY VASTA	
HA25093	4.7	1.7	2.6	1.1	375.8	103.2	144.5	11.0	1101.8	3.7	MUY SEVERA	
HA25094	2.5	0.5	1.1	0.3	313.0	196.7	284.5	33.0	565.0	9.3	CRITICA	
HA25097	3.1	1.1	1.6	0.6	303.7	182.8	189.8	19.0	767.2	6.0	SEVERA	
HA25098	3.6	2.0	2.1	2.0	148.9	178.7	70.9	26.0	240.1	3.6	MUY VASTA	
HA25099	3.6	1.2	2.5	0.8	183.7	26.8	73.4	23.0	242.6	3.1	MUY VASTA	
HA25100	4.1	1.9	2.0	1.0	320.2	161.1	160.1	20.0	610.3	2.1	MUY SEVERA	
HA25101	4.5	2.1	2.2	1.5	580.3	775.5	263.7	33.0	519.4	6.0	MUY CRITICA	
HA25110	4.5	2.8	2.3	1.5	422.8	420.8	183.8	18.0	797.3	4.8	MUY SEVERA	
HA25116	4.5	1.5	3.2	1.3	273.5	219.9	85.4	23.0	271.5	3.6	EXTREMADAMENTE VASTA	
HA25117	4.0	1.1	1.9	1.1	258.6	171.1	136.1	20.0	513.8	4.9	SEVERA	
HA25118	4.6	3.7	2.8	2.1	461.0	366.7	164.6	18.0	718.1	4.1	MUY SEVERA	

Tabla C.187. Características de la sequía promedio de cada estación climatológica del estado de Sinaloa.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / $máx$	% de $I^*_{máx}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S $máx$ (mm)	D $máx$ (años)	I^* (mm/año)	respecto a X_c	$I^*_{máx}$ (mm/año)	D $máx$ (años)	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA25001	565.2	2.0	282.6	36.0	282.6	2.0	36.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA25002	817.8	3.0	272.6	43.0	346.5	1.0	55.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25003	627.2	5.0	125.4	36.0	125.4	5.0	36.0	50.0	16.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0
HA25006	1107.4	2.0	553.7	59.0	553.7	2.0	59.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA25007	382.0	3.0	127.3	17.0	308.8	1.0	43.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA25009	496.6	6.0	82.7	17.0	162.5	1.0	35.0	50.0	0.0	16.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0
HA25011	1343.0	5.0	268.6	34.0	268.6	5.0	34.0	20.0	20.0	0.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0
HA25012	1234.8	4.0	308.7	34.0	308.7	4.0	34.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25013	453.0	6.0	75.5	21.0	213.7	1.0	60.0	50.0	25.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
HA25015	387.8	3.0	129.2	19.0	265.1	1.0	39.0	42.8	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA25016	162.9	2.0	81.4	13.0	134.3	1.0	21.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25017	337.3	2.0	168.6	22.0	307.6	1.0	41.0	85.7	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25019	469.4	4.0	117.3	15.0	313.0	1.0	42.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA25022	338.4	3.0	112.8	32.0	148.5	1.0	43.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25023	433.9	4.0	108.4	17.0	310.5	1.0	50.0	66.6	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA25024	716.9	3.0	238.9	32.0	523.3	1.0	71.0	70.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25025	401.6	2.0	200.8	32.0	200.8	2.0	32.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25027	474.6	5.0	94.9	22.0	320.7	1.0	74.0	57.1	28.5	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA25028	632.0	5.0	126.4	19.0	439.9	1.0	66.0	57.1	14.2	0.0	0.0	28.5	0.0	0.0	0.0	0.0	0.0
HA25029	1018.5	3.0	339.5	30.0	352.5	1.0	31.0	42.8	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25030	834.4	5.0	166.8	30.0	242.5	1.0	44.0	33.3	33.3	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA25031	807.1	5.0	161.4	24.0	356.6	1.0	55.0	57.1	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA25032	633.9	5.0	126.7	21.0	148.6	2.0	25.0	0.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0
HA25033	676.5	3.0	225.5	24.0	232.1	1.0	25.0	66.6	11.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25035	416.0	3.0	138.6	36.0	138.6	3.0	36.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25036	762.6	2.0	381.3	25.0	381.3	2.0	25.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25038	690.3	5.0	138.0	32.0	227.2	1.0	52.0	50.0	0.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0
HA25041	800.6	3.0	266.8	26.0	267.4	1.0	26.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25042	601.4	6.0	100.2	30.0	184.6	1.0	56.0	66.6	0.0	0.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0
HA25043	643.5	2.0	321.7	40.0	321.7	2.0	40.0	55.5	22.2	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25044	828.3	4.0	207.0	26.0	368.1	1.0	47.0	70.0	10.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25045	481.8	3.0	160.6	20.0	205.3	1.0	26.0	42.8	0.0	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA25046	1225.4	5.0	245.0	28.0	245.0	5.0	28.0	50.0	16.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA25047	1227.4	3.0	409.1	39.0	450.3	1.0	43.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25048	382.8	2.0	191.4	49.0	191.4	2.0	49.0	0.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25049	639.7	3.0	213.2	19.0	475.8	1.0	43.0	75.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25050	855.4	5.0	171.0	33.0	234.3	1.0	45.0	40.0	20.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA25052	1981.0	7.0	283.0	27.0	340.7	4.0	33.0	20.0	0.0	40.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0
HA25053	770.2	5.0	154.0	25.0	253.8	1.0	41.0	75.0	0.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0

Tabla C.188. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Sinaloa.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I^m - $S_{máx}/D_{máx}$	% de P	Intensidad	Duración / máx	% de $I_{máx}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}$ (mm)	$D_{máx}$ (años)	P (mm/año)	respecto a X_o	$I_{máx}$ (mm/año)	$D_{máx}$ (años)	respecto a X_o	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA25054	556.6	5.0	111.3	14.0	300.7	1.0	37.0	50.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0
HA25055	328.1	3.0	109.3	19.0	257.0	1.0	45.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25056	422.0	3.0	140.6	29.0	140.9	1.0	29.0	33.3	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25058	1035.8	2.0	517.9	47.0	517.9	2.0	47.0	25.0	50.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
HA25059	773.8	8.0	96.7	20.0	181.8	2.0	38.0	25.0	25.0	0.0	25.0	0.0	0.0	0.0	25.0	0.0	0.0
HA25061	536.1	3.0	178.7	33.0	204.8	1.0	38.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25064	567.2	3.0	189.0	28.0	215.3	1.0	32.0	83.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25065	351.2	3.0	117.0	39.0	169.6	1.0	57.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25066	1029.6	6.0	171.6	30.0	179.5	2.0	31.0	42.8	28.5	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA25068	1433.2	6.0	238.8	25.0	267.9	1.0	28.0	60.0	0.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0
HA25069	725.7	6.0	120.9	16.0	439.3	1.0	59.0	50.0	16.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA25071	445.3	3.0	148.4	23.0	210.6	2.0	32.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25074	393.1	1.0	393.1	32.0	393.1	1.0	32.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25076	623.7	6.0	103.9	21.0	135.1	3.0	28.0	33.3	16.6	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA25077	299.6	2.0	149.8	21.0	230.4	1.0	33.0	85.7	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25078	1071.7	3.0	357.2	41.0	357.2	3.0	41.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25080	564.7	5.0	112.9	27.0	195.8	1.0	47.0	50.0	16.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA25081	849.9	5.0	169.9	20.0	255.3	1.0	30.0	66.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA25082	666.0	5.0	133.1	27.0	203.9	1.0	42.0	40.0	0.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA25083	276.5	3.0	92.1	13.0	93.3	2.0	13.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25084	354.7	3.0	118.2	14.0	134.0	1.0	16.0	33.3	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25085	1284.2	3.0	428.0	51.0	546.3	1.0	65.0	44.4	33.3	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25086	632.1	5.0	126.4	31.0	301.1	1.0	74.0	80.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA25087	894.2	5.0	178.8	24.0	261.1	1.0	35.0	57.1	28.5	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA25088	426.2	3.0	142.0	37.0	214.3	1.0	56.0	71.4	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA25090	597.6	3.0	199.2	38.0	199.2	3.0	38.0	0.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25091	628.1	5.0	125.6	17.0	532.0	1.0	74.0	50.0	0.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0
HA25092	1625.7	7.0	232.2	31.0	293.7	1.0	39.0	57.1	28.5	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.0
HA25093	572.8	4.0	143.2	11.0	315.7	1.0	25.0	16.6	33.3	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA25094	688.5	1.0	688.5	81.0	688.5	1.0	81.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25097	683.5	1.0	683.5	71.0	683.5	1.0	71.0	50.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25098	573.7	7.0	81.9	30.0	135.0	1.0	49.0	71.4	0.0	14.2	0.0	0.0	0.0	14.2	0.0	0.0	0.0
HA25099	208.6	3.0	69.5	21.0	174.3	1.0	55.0	25.0	0.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA25100	569.1	1.0	569.1	73.0	569.1	1.0	73.0	42.8	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA25101	2119.6	5.0	423.9	54.0	423.9	5.0	54.0	60.0	0.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA25110	1303.0	5.0	260.6	26.0	282.3	1.0	28.0	50.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0
HA25116	545.9	5.0	109.1	30.0	123.7	4.0	34.0	20.0	0.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA25117	565.9	3.0	188.6	29.0	287.4	1.0	44.0	57.1	0.0	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA25118	1092.9	7.0	156.1	17.0	304.2	1.0	34.0	50.0	0.0	16.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0

Tabla C.188. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Sinaloa.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años) primer declil	lluvia mínima registrada Hp min(mm)	Tr(años) para Hp min	
	Media X _a (mm)	Mediana (mm)	Desv Std S(mm)	Coeficientes g k Cv			2 años Hp(mm)	5 años Hp(mm)	10 años Hp(mm)	20 años Hp(mm)	50 años Hp(mm)				100 años Hp(mm)
Ahome	342.9	334.0	93.7	0.6	3.3	0.27	318.0	253.0	221.0	186.0	128.0	77.0	5.1	216.8	10.9
Angostura	489.1	495.0	149.2	0.5	3.7	0.31	467.0	361.0	322.0	238.0	103.0	2.0	16.0	207.4	24.7
Badiraguato	943.1	933.2	118.4	-0.1	3.2	0.13	938.0	854.0	801.0	752.0	688.0	641.0	19.1	709.7	36.6
Concordia	1004.4	1022.5	161.4	-0.3	3.7	0.16	1013.0	894.0	817.0	743.0	647.0	575.0	30.9	629.3	59.4
Cosala	948.4	958.9	242.6	0.0	2.2	0.26	965.0	706.0	623.0	549.0	454.0	383.0	10.8	528.0	24.4
Culiacán	681.6	688.3	137.5	0.4	3.2	0.20	673.0	566.0	499.0	436.0	355.0	294.0	7.9	471.1	13.6
Choix	760.4	725.0	163.7	0.6	4.0	0.22	726.0	647.0	570.0	456.0	288.0	162.0	13.3	455.0	20.1
Eliota	712.8	720.3	162.6	0.1	4.5	0.23	593.1	449.3	354.2	262.9	144.7	56.1	6.8	324.6	12.5
Escuinapa	943.0	940.8	202.1	0.2	2.8	0.21	929.0	765.0	673.0	586.0	473.0	386.0	8.3	626.8	14.4
Fuerte, El	547.8	522.7	182.0	1.0	4.5	0.33	535.0	444.0	387.0	331.0	256.0	198.0	24.2	239.6	61.3
Guasave	412.1	421.9	124.0	0.5	3.6	0.30	410.0	279.0	249.0	194.0	88.0	7.0	6.8	217.1	15.8
Mazatlán	789.9	799.8	194.9	-0.1	3.7	0.25	775.0	642.0	561.0	482.0	377.0	295.0	42.4	306.7	90.7
Mocorito	650.2	612.9	170.2	1.1	4.5	0.26	616.0	516.0	451.0	386.0	294.0	216.0	7.6	407.4	16.0
Rosario	943.0	940.8	202.1	0.2	2.8	0.21	929.0	765.0	673.0	586.0	473.0	386.0	8.3	626.8	14.4
Salvador Alvarado	648.6	655.8	193.3	0.3	4.0	0.30	630.0	492.0	394.0	288.0	130.0	0.0	16.6	231.5	28.1
San Ignacio	806.6	768.9	175.8	0.3	3.2	0.22	776.0	657.0	587.0	518.0	425.0	350.0	16.4	466.2	33.5
Sinaloa	730.8	747.6	130.4	-0.2	2.4	0.18	755.0	556.0	542.0	529.0	489.0	428.0	5.0	511.5	34.9
Navolato	662.1	615.9	171.0	1.1	5.1	0.26	606.0	526.0	469.0	390.0	240.0	112.0	9.6	401.2	18.4
Estatatal	709.4	701.7	98.0	0.2	3.1	0.14	701.0	619.0	571.0	525.0	461.0	409.0	7.2	555.0	12.8

Tabla C.189. Características estadísticas de la lluvia anual de cada municipio del estado de Sinaloa.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1 Hp(mm)	2 Hp(mm)	3 Hp(mm)	4 Hp(mm)	5 Hp(mm)	6 Hp(mm)	7 Hp(mm)	8 Hp(mm)	9 Hp(mm)	10 Hp(mm)	1 (%)	2 (%)	3 (%)	4 (%)	5 (%)	6 (%)	7 (%)	8 (%)	9 (%)	10 (%)
Ahome	252.1	287.4	322.6	357.9	393.2	428.5	463.8	499.0	534.3	569.6	24.0	8.0	16.0	12.0	16.0	0.0	16.0	4.0	0.0	4.0
Angostura	270.1	332.8	395.5	458.2	520.9	583.5	646.2	708.9	771.6	834.3	4.1	4.1	29.1	4.1	16.6	20.8	8.3	4.1	4.1	4.1
Badiraguato	754.9	800.2	845.4	890.6	935.9	981.1	1026.3	1071.5	1116.8	1162.0	10.0	0.0	6.6	13.3	20.0	16.6	10.0	6.6	6.6	10.0
Concordia	697.6	765.8	834.1	902.4	970.6	1038.9	1107.2	1175.5	1243.7	1312.0	3.3	6.6	0.0	13.3	13.3	16.6	23.3	13.3	0.0	10.0
Cosala	614.9	701.8	788.6	875.5	962.4	1049.3	1136.2	1223.0	1309.9	1396.8	7.1	14.2	10.7	14.2	3.5	7.1	14.2	17.8	7.1	3.5
Culiacán	521.0	570.8	620.7	670.5	720.4	770.2	820.1	869.9	919.8	969.6	12.0	12.0	12.0	8.0	24.0	8.0	12.0	4.0	0.0	8.0
Choix	526.2	597.4	668.6	739.8	811.1	882.3	953.5	1024.7	1095.9	1167.1	6.6	6.6	13.3	30.0	10.0	10.0	13.3	3.3	0.0	6.6
Eliota	405.9	487.3	568.6	649.9	731.3	812.6	893.9	975.2	1056.6	1137.9	3.3	3.3	3.3	26.6	20.0	16.6	20.0	3.3	0.0	3.3
Escuinapa	696.2	765.5	834.9	904.3	973.7	1043.0	1112.4	1181.8	1251.1	1320.5	13.0	8.6	13.0	4.3	17.3	8.6	17.3	4.3	4.3	8.6
Fuerte, El	315.5	391.5	467.4	543.3	619.2	695.2	771.1	847.0	923.0	998.9	3.3	20.0	10.0	20.0	20.0	13.3	0.0	3.3	3.3	6.6
Guasave	267.0	316.8	366.7	416.6	466.5	516.3	566.2	616.1	665.9	715.8	12.5	20.8	4.1	12.5	20.8	12.5	8.3	4.1	0.0	4.1
Mazatlán	396.0	485.3	574.5	663.8	753.1	842.4	931.7	1020.9	1110.2	1199.5	3.3	0.0	10.0	13.3	10.0	36.6	0.0	16.6	3.3	6.6
Mocorito	476.9	546.5	616.0	685.5	755.0	824.6	894.1	963.6	1033.2	1102.7	16.0	12.0	28.0	8.0	16.0	4.0	4.0	4.0	4.0	4.0
Rosario	696.2	765.5	834.9	904.3	973.7	1043.0	1112.4	1181.8	1251.1	1320.5	13.0	8.6	13.0	4.3	17.3	8.6	17.3	4.3	4.3	8.6
Salvador Alvarado	317.7	404.0	490.2	576.5	662.7	748.9	835.2	921.4	1007.7	1093.9	4.0	4.0	4.0	36.0	4.0	28.0	0.0	8.0	8.0	4.0
San Ignacio	538.1	610.1	682.0	754.0	825.9	897.8	969.8	1041.7	1113.7	1185.6	6.6	10.0	3.3	20.0	20.0	13.3	10.0	3.3	6.6	6.6
Sinaloa	556.3	601.0	645.8	690.5	735.3	780.1	824.8	869.6	914.3	959.1	16.6	6.6	0.0	13.3	6.6	16.6	10.0	16.6	6.6	6.6
Navolato	472.3	543.3	614.4	685.5	756.6	827.6	898.7	969.8	1040.8	1111.9	8.0	16.0	24.0	16.0	8.0	16.0	4.0	0.0	0.0	8.0
Estatatal	594.0	633.0	672.0	711.0	750.1	789.1	828.1	867.1	906.1	945.1	13.3	13.3	6.6	20.0	10.0	13.3	16.6	3.3	0.0	3.3

Tabla C.190. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Sinaloa.

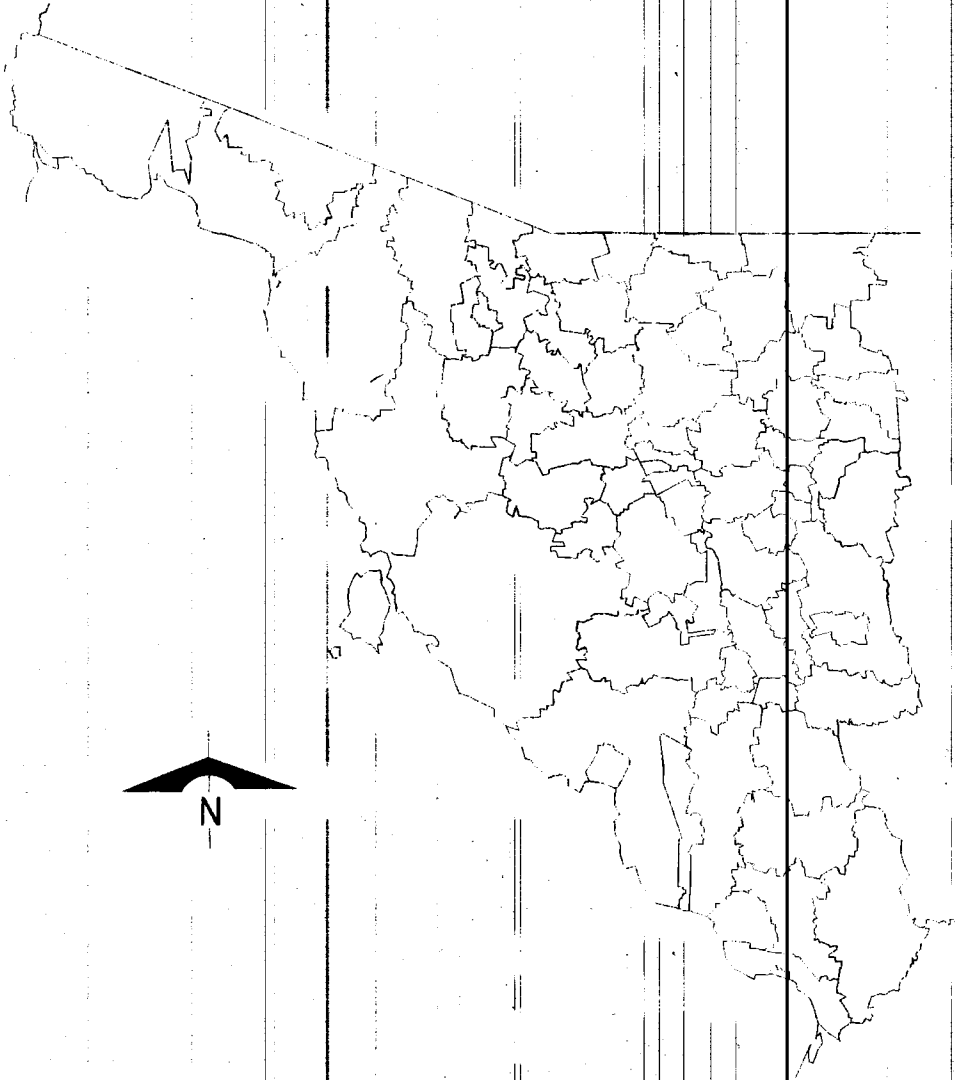
Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	Huvia	Disponibilidad		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año) respecto a X _o	respecto a X _o	Hp disp S(mm)	Hp disp S(mm)		
Ahome	4.7	2.9	2.3	1.5	159.8	138.1	69.4	20.0	273.5	3.4	MUY SEVERA	
Angostura	3.1	1.4	1.3	0.6	175.3	57.8	134.8	27.0	354.2	5.8	VASTA	
Badiraguato	3.5	1.7	1.8	0.9	170.5	141.8	94.7	10.0	448.3	5.3	NORMAL	
Concordia	2.8	1.3	1.4	1.2	205.8	272.0	147.0	14.0	457.3	6.9	SEVERA	
Cosalá	4.0	1.8	2.7	1.9	594.6	620.8	220.2	23.0	728.1	4.3	MUY VASTA	
Culliacán	3.2	1.0	1.3	0.6	169.4	74.9	130.3	19.0	551.2	5.8	SEVERA	
Choix	3.2	1.1	1.8	1.1	189.6	121.2	105.3	13.0	655.1	4.5	SEVERA	
Elota	2.8	1.3	1.7	1.0	232.0	183.5	136.4	19.0	576.3	2.2	SEVERA	
Escuinapa	7.0	3.0	4.0	3.5	628.6	424.5	157.1	16.0	785.9	4.3	SEVERA	
Fuerte, El	4.5	2.4	2.6	1.4	337.7	185.6	129.8	23.0	417.9	6.8	MUY VASTA	
Guasave	3.6	1.4	1.7	1.0	170.6	85.0	100.3	24.0	311.8	2.8	VASTA	
Mazatlán	4.0	2.6	2.1	2.1	372.1	343.2	177.1	22.0	612.8	6.4	MUY VASTA	
Mocorito	4.0	2.4	2.2	2.0	231.1	232.4	105.0	16.0	545.2	3.7	MUY SEVERA	
Rosario	7.0	3.0	4.0	3.5	628.6	424.5	157.1	16.0	785.9	4.3	MUY SEVERA	
Salvador Alvarado	3.4	1.3	1.5	0.8	236.5	180.7	157.6	24.0	490.9	5.1	VASTA	
San Ignacio	3.2	1.2	2.2	1.2	262.8	230.5	119.4	14.0	687.2	3.8	MUY SEVERA	
Sinaloa	3.8	1.6	1.8	1.3	232.6	220.0	129.2	17.0	601.5	3.7	SEVERA	
Navolato	3.8	1.6	2.1	1.1	233.6	128.8	111.2	16.0	550.8	3.6	MUY SEVERA	
Estatel	3.2	1.2	2.0	1.1	149.8	93.5	74.9	10.0	634.4	4.0	MODERADA	

Tabla C.191. Características de la sequía promedio de cada municipio del estado de Sinaloa.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ¹ =Smáx.Dmáx	% de I ¹	Intensidad	Duración I máx	% de I máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I ¹ (mm/año)	respecto a X _o	I máx(mm/año)	D I máx(años)	respecto a X _o	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Ahome	381.4	4.0	95.3	27.0	105.6	1.0	30.0	50.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0
Angostura	281.6	1.0	281.6	57.0	281.6	1.0	57.0	75.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Badiraguato	480.2	3.0	160.0	16.0	160.0	3.0	16.0	50.0	12.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Concordia	967.1	5.0	193.4	19.0	193.4	5.0	19.0	88.8	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0
Cosalá	1812.5	6.0	302.0	31.0	341.3	1.0	35.0	40.0	20.0	0.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0
Culliacán	291.3	2.0	145.6	21.0	176.9	1.0	25.0	75.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Choix	448.7	4.0	112.1	14.0	249.4	1.0	32.0	50.0	30.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Elota	541.5	3.0	180.5	25.0	180.5	3.0	25.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Escuinapa	1200.3	9.0	133.3	14.0	250.8	2.0	26.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0
Fuerte, El	641.9	3.0	213.9	39.0	213.9	3.0	39.0	33.3	16.6	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0
Guasave	343.9	2.0	171.9	41.0	171.9	2.0	41.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Mazatlán	1095.7	7.0	156.5	19.0	236.0	2.0	29.0	66.6	16.6	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Mocorito	748.2	7.0	106.8	16.0	117.0	2.0	17.0	57.1	14.2	14.2	0.0	0.0	0.0	14.2	0.0	0.0	0.0
Rosario	1200.3	9.0	133.3	14.0	250.8	2.0	26.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0
Salvador Alv.	626.9	3.0	208.9	32.0	286.0	1.0	44.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
San Ignacio	684.1	4.0	171.0	21.0	171.0	4.0	21.0	50.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Sinaloa	739.0	5.0	147.8	20.0	195.4	1.0	26.0	57.1	28.5	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Navolato	423.5	3.0	141.1	21.0	260.8	1.0	39.0	42.8	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Estatel	292.8	4.0	73.2	10.0	139.8	1.0	19.0	50.0	12.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.192. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Sinaloa.

SONORA



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	Lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	$X_c(mm)$	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
HA26002	665.1	664.0	180.1	0.5	5.3	0.27	654.0	533.0	420.0	268.0	39.0	0.0	12.8	283.1	18.8
HA26003	384.9	367.0	185.8	2.0	10.4	0.48	369.0	251.0	169.0	82.0	0.0	0.0	7.3	120.7	14.8
HA26004	510.2	474.0	132.5	0.1	4.0	0.26	491.0	414.0	367.0	320.0	254.0	199.0	58.1	183.5	121.2
HA26005	468.3	502.8	147.9	0.3	3.9	0.32	459.0	361.0	309.0	206.0	75.0	0.0	14.2	196.0	21.5
HA26006	429.6	440.5	97.1	0.2	2.6	0.23	439.0	330.0	307.0	284.0	248.0	214.0	5.1	298.0	13.1
HA26007	500.8	435.6	212.0	1.8	9.5	0.42	424.0	374.0	257.0	43.0	0.0	0.0	10.4	141.3	14.6
HA26008	436.1	408.9	119.3	0.6	3.5	0.27	409.0	343.0	304.0	265.0	215.0	175.0	11.1	252.5	25.3
HA26009	528.1	467.5	180.0	1.2	4.9	0.34	485.0	395.0	339.0	283.0	208.0	146.0	6.5	304.0	15.4
HA26010	331.3	330.7	126.2	0.4	3.2	0.38	303.0	211.0	174.0	137.0	79.0	26.0	6.5	152.3	15.0
HA26012	402.0	396.0	69.9	-0.1	3.5	0.17	397.0	345.0	313.0	283.0	244.0	213.0	19.8	255.5	38.2
HA26013	448.2	448.0	238.1	0.8	4.9	0.53	445.0	280.0	173.0	70.0	0.0	0.0	9.9	73.6	19.6
HA26015	551.8	520.3	96.7	1.2	7.1	0.18	523.0	484.0	457.0	425.0	364.0	303.0	10.1	422.0	21.2
HA26016	330.4	298.0	132.4	0.6	3.4	0.40	295.0	217.0	171.0	127.0	66.0	16.0	5.8	157.9	12.3
HA26017	622.4	656.3	170.4	-0.3	2.9	0.27	646.0	474.0	381.0	297.0	190.0	110.0	11.0	312.9	17.5
HA26018	367.1	338.1	103.2	0.7	3.6	0.28	346.0	288.0	253.0	219.0	172.0	134.0	10.9	209.4	24.0
HA26019	437.1	341.1	223.9	1.2	4.2	0.51	335.0	271.0	229.0	180.0	70.0	0.0	3.9	207.1	14.0
HA26021	437.4	442.6	136.4	-0.2	3.4	0.31	336.9	216.3	136.4	59.8	0.0	0.0	4.5	179.8	6.8
HA26022	337.5	282.3	106.5	1.0	3.4	0.32	280.0	255.0	241.0	224.0	190.0	142.0	4.8	221.0	22.6
HA26023	332.5	313.0	83.4	0.1	2.5	0.25	316.0	258.0	227.0	200.0	165.0	138.0	16.4	179.0	34.2
HA26024	484.1	484.0	132.4	0.6	3.4	0.27	461.0	379.0	329.0	281.0	218.0	169.0	7.9	295.4	16.3
HA26025	486.0	434.5	152.6	1.1	4.3	0.31	429.0	360.0	319.0	273.0	192.0	109.0	5.1	305.0	12.5
HA26026	178.2	166.4	66.4	1.5	6.6	0.37	165.0	138.0	119.0	100.0	69.0	37.0	7.9	98.8	20.6
HA26027	198.0	206.3	63.5	0.5	3.7	0.32	189.0	140.0	127.0	115.0	96.0	78.0	4.8	122.5	12.9
HA26028	156.6	152.0	53.4	0.8	4.4	0.34	150.0	118.0	85.0	43.0	0.0	0.0	8.0	77.5	11.3
HA26029	576.4	581.2	197.7	0.8	5.3	0.34	567.0	424.0	319.0	199.0	0.0	0.0	7.7	275.5	13.0
HA26031	567.8	548.5	187.3	0.9	4.7	0.33	543.0	425.0	342.0	249.0	99.0	0.0	12.9	226.5	23.2
HA26032	347.4	337.8	110.3	0.9	4.3	0.32	352.0	272.0	244.0	165.0	63.0	0.0	11.3	187.6	16.3
HA26034	321.3	299.0	132.8	1.4	6.5	0.41	307.0	230.0	180.0	133.0	71.0	24.0	9.6	124.6	22.5
HA26035	290.2	246.1	156.0	1.4	5.0	0.54	239.0	185.0	150.0	115.0	64.0	17.0	10.8	89.4	32.3
HA26037	59.8	55.4	26.2	0.6	3.6	0.44	52.0	37.0	29.0	20.0	8.0	0.0	4.5	30.4	8.7
HA26038	412.4	360.0	194.1	1.9	7.2	0.47	360.0	282.0	227.0	166.0	58.0	0.0	6.4	176.0	18.0
HA26041	225.6	207.0	119.3	1.3	6.2	0.53	197.0	154.0	127.0	101.0	66.0	38.0	16.6	61.0	56.6
HA26044	294.1	262.9	170.7	2.6	12.6	0.58	257.0	201.0	164.0	127.0	72.0	20.0	6.2	111.1	26.6
HA26045	473.6	458.3	149.6	0.5	3.9	0.32	446.0	369.0	319.0	266.0	185.0	112.0	41.0	139.0	78.3
HA26046	352.0	343.4	83.8	-0.1	2.6	0.24	340.0	282.0	249.0	218.0	180.0	151.0	23.5	182.5	46.8
HA26047	517.7	462.0	182.2	1.7	7.6	0.35	479.0	396.0	335.0	257.0	96.0	0.0	9.8	250.0	21.0

Tabla C.193. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Sonora.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv	Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X ₀ (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
HA26048	602.3	556.0	262.9	1.5	8.6	0.44	535.0	410.0	240.0	0.0	0.0	0.0	8.4	162.1	12.4
HA26049	590.4	587.6	108.7	0.8	4.5	0.18	580.0	501.0	444.0	380.0	277.0	184.0	7.8	418.4	13.4
HA26050	704.5	600.7	195.6	1.1	3.7	0.28	597.0	556.0	532.0	504.0	443.0	350.0	4.3	500.5	21.7
HA26051	310.5	285.8	149.4	1.4	6.0	0.48	291.0	223.0	180.0	139.0	86.0	47.0	8.4	133.7	21.9
HA26052	527.2	513.0	103.4	1.3	6.2	0.20	451.1	359.7	299.2	241.2	166.0	109.7	1.8	423.8	2.6
HA26053	715.9	702.1	275.9	2.0	9.9	0.39	695.0	540.0	439.0	343.0	218.0	124.0	9.6	303.1	26.7
HA26055	441.4	427.5	123.0	0.5	4.4	0.28	421.0	356.0	316.0	278.0	229.0	193.0	57.1	165.0	168.4
HA26056	282.2	291.8	114.5	1.1	6.1	0.41	276.0	208.0	164.0	121.0	63.0	17.0	9.6	116.2	21.5
HA26057	332.1	368.0	125.0	-0.2	2.5	0.38	356.0	213.0	180.0	150.0	113.0	84.0	18.2	111.5	51.4
HA26059	497.9	485.0	94.2	0.1	2.9	0.19	488.0	422.0	383.0	347.0	301.0	267.0	12.8	338.0	24.1
HA26060	322.3	292.5	143.4	0.7	4.7	0.44	283.0	201.0	149.0	86.0	0.0	0.0	8.9	102.1	16.9
HA26066	197.5	199.5	63.5	0.1	2.4	0.32	202.0	136.0	119.0	104.0	83.0	66.0	8.1	104.0	19.6
HA26067	512.7	481.0	139.9	0.6	4.1	0.27	490.0	406.0	353.0	299.0	223.0	159.0	24.1	222.8	50.1
HA26069	384.9	368.5	79.1	0.4	2.8	0.21	374.0	315.0	295.0	271.0	226.0	183.0	17.5	247.4	33.9
HA26069	384.9	368.5	79.1	0.4	2.8	0.21	374.0	315.0	295.0	271.0	226.0	183.0	17.5	247.4	33.9
HA26072	249.1	183.6	202.2	2.9	12.8	0.81	173.0	140.0	100.0	0.0	0.0	0.0	1.4	108.0	9.1
HA26073	356.8	357.0	102.3	-0.4	4.2	0.29	281.5	191.1	131.2	73.7	0.0	0.0	9.6	87.5	16.9
HA26074	352.8	306.1	196.2	1.0	4.5	0.56	208.4	35.0	0.0	0.0	0.0	0.0	2.8	62.0	4.3
HA26075	608.6	617.0	172.1	-0.5	5.3	0.28	616.0	489.0	400.0	308.0	178.0	72.0	47.6	100.5	83.4
HA26076	73.8	74.3	34.1	1.0	4.0	0.46	64.0	40.0	33.0	18.0	0.0	0.0	2.5	35.0	8.5
HA26080	742.3	749.0	119.8	0.4	4.6	0.16	725.0	657.0	613.0	572.0	519.0	480.0	29.7	501.2	68.7
HA26082	153.0	142.2	59.0	0.1	2.7	0.39	143.0	104.0	84.0	65.0	42.0	24.0	13.4	55.8	28.8
HA26083	691.7	721.0	240.5	1.4	8.7	0.35	666.0	401.0	189.0	0.0	0.0	0.0	4.3	311.0	6.9
HA26084	153.3	151.6	53.2	-0.1	2.0	0.35	141.0	103.0	91.0	80.0	66.0	56.0	12.5	72.3	32.6
HA26085	165.5	167.0	62.8	0.2	3.0	0.38	160.0	107.0	74.0	43.0	2.0	0.0	7.4	67.5	11.5
HA26086	70.1	65.0	23.8	1.6	6.7	0.34	65.0	52.0	44.0	35.0	22.0	11.0	4.5	44.0	9.9
HA26087	104.8	89.1	43.0	1.4	6.7	0.41	90.0	66.0	46.0	17.0	0.0	0.0	4.9	48.0	9.4
HA26088	482.0	491.8	131.0	1.5	10.0	0.27	480.0	394.0	337.0	282.0	210.0	155.0	10.9	258.5	27.1
HA26089	280.6	247.5	120.5	0.9	4.0	0.43	240.0	184.0	149.0	114.0	61.0	12.0	4.8	143.5	11.3
HA26090	284.1	259.9	85.1	0.7	3.2	0.30	254.0	209.0	185.0	161.0	129.0	104.0	5.0	180.9	11.2
HA26091	594.9	564.8	174.9	0.6	4.3	0.29	557.0	464.0	408.0	356.0	288.0	236.0	8.7	364.8	17.7
HA26092	331.5	302.7	151.7	0.5	4.6	0.46	309.0	223.0	160.0	87.0	0.0	0.0	14.8	57.9	25.4
HA26093	238.2	211.2	92.2	1.2	5.0	0.39	203.0	161.0	133.0	98.0	29.0	0.0	4.7	126.3	11.6
HA26094	820.8	823.0	223.7	-0.9	6.5	0.27	841.0	715.0	612.0	485.0	275.0	104.0	61.1	114.0	96.0
HA26096	196.1	188.4	91.3	1.6	7.6	0.47	128.8	48.1	0.0	0.0	0.0	0.0	2.0	89.9	3.0
HA26098	451.7	436.4	185.1	0.9	6.3	0.41	439.0	330.0	258.0	185.0	82.0	0.0	19.5	100.3	42.7

Tabla C.193. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Sonora.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de					retorno (Tr)			
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	lluvia mínima	Tr(años)
	X_o (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	registrada	para
HA26099	710.3	649.2	290.7	1.5	7.9	0.41	650.0	522.0	416.0	259.0	0.0	0.0	13.8	210.1	23.4
HA26100	657.7	620.3	198.3	0.7	5.8	0.30	635.0	525.0	448.0	362.0	219.0	77.0	30.0	211.5	52.0
HA26101	620.6	607.7	140.9	0.2	2.5	0.23	600.0	495.0	439.0	387.0	321.0	271.0	9.4	392.5	18.6
HA26102	505.2	505.0	173.6	0.3	4.5	0.34	496.0	372.0	277.0	170.0	6.0	0.0	17.5	110.2	28.4
HA26103	263.2	235.8	100.7	0.6	3.4	0.38	233.0	187.0	160.0	133.0	94.0	61.0	24.5	85.5	60.7
HA26106	584.4	568.2	218.5	0.8	5.6	0.37	568.0	423.0	305.0	150.0	0.0	0.0	12.7	157.5	19.4
HA26107	274.2	237.9	86.7	0.7	2.8	0.32	235.0	207.0	190.0	175.0	154.0	137.0	18.3	144.8	73.0
HA26109	903.2	831.5	465.5	0.9	4.4	0.52	892.0	565.0	354.0	152.0	0.0	0.0	10.0	168.9	18.9
HA26110	353.7	358.0	161.5	0.0	3.2	0.46	359.0	203.0	143.0	83.0	0.0	0.0	9.5	89.8	18.6
HA26115	441.8	407.1	139.2	0.9	4.2	0.31	339.4	216.4	134.9	56.8	0.0	0.0	3.3	219.5	4.9
HA26116	335.4	326.6	103.8	0.0	4.1	0.31	331.0	265.0	224.0	184.0	133.0	96.0	35.6	109.3	77.8
HA26117	521.5	477.9	170.0	0.5	2.6	0.33	478.0	375.0	320.0	268.0	202.0	152.0	7.6	288.1	15.2
HA26118	101.0	99.5	48.1	0.6	3.6	0.48	91.0	60.0	42.0	25.0	3.0	0.0	6.3	37.5	12.1
HA26121	439.1	425.5	174.4	0.9	5.7	0.40	428.0	300.0	218.0	138.0	35.0	0.0	8.5	160.3	16.5
HA26122	274.9	249.8	94.2	0.1	3.4	0.34	253.0	204.0	178.0	152.0	110.0	70.0	38.7	84.5	78.8
HA26123	831.5	838.8	282.6	0.3	4.1	0.34	820.0	631.0	511.0	397.0	250.0	140.0	19.0	287.3	39.5
HA26138	238.4	227.6	102.1	0.5	4.5	0.43	228.0	171.0	135.0	101.0	58.0	25.0	19.2	64.0	44.0
HA26139	303.4	284.5	86.9	0.9	3.9	0.29	286.0	237.0	207.0	178.0	140.0	112.0	7.6	186.0	16.3
HA26173	172.3	172.0	101.7	0.3	4.1	0.59	162.0	94.0	50.0	7.0	0.0	0.0	10.0	12.7	18.2
HA26176	359.8	341.4	104.7	0.1	3.5	0.29	341.0	264.0	217.0	174.0	119.0	77.0	6.9	212.0	10.9
HA26178	514.3	534.0	206.3	0.2	4.8	0.40	502.0	356.0	260.0	166.0	38.0	0.0	13.5	144.0	23.5
HA26180	417.1	425.5	161.1	0.3	3.3	0.39	429.0	250.0	209.0	167.0	93.0	19.0	4.3	211.7	9.6
HA26181	459.5	435.0	162.2	0.7	4.1	0.35	432.0	324.0	260.0	197.0	113.0	45.0	5.3	264.2	9.5
HA26182	365.7	393.4	126.1	-0.1	2.7	0.34	398.0	220.0	208.0	198.0	184.0	172.0	3.0	205.0	12.6
HA26183	561.0	533.8	229.0	-0.5	3.2	0.41	563.0	364.0	271.0	186.0	78.0	0.0	13.4	166.4	23.5
HA26184	563.0	536.2	166.7	0.3	4.5	0.30	557.0	440.0	366.0	296.0	206.0	138.0	16.7	252.9	31.0
HA26185	541.8	523.5	124.0	0.3	3.9	0.23	519.0	449.0	405.0	364.0	312.0	272.0	15.0	341.0	29.9
HA26186	511.7	560.4	154.1	-0.8	4.8	0.30	541.0	399.0	307.0	220.0	108.0	24.0	15.0	205.5	22.5
HA26192	259.9	259.0	78.4	0.2	3.3	0.30	242.0	189.0	167.0	147.0	120.0	99.0	6.0	158.7	13.2
HA26193	292.8	281.8	124.9	0.7	4.5	0.43	269.0	202.0	161.0	120.0	66.0	21.0	13.9	94.9	30.9
HA26196	169.0	149.0	68.8	1.0	4.5	0.41	148.0	121.0	104.0	88.0	68.0	52.0	9.9	81.8	26.3
HA26197	299.0	217.4	201.3	1.3	5.7	0.67	208.0	150.0	112.0	64.0	0.0	0.0	3.7	99.0	12.3
HA26199	460.6	448.2	162.3	1.5	7.7	0.35	429.0	371.0	331.0	286.0	203.0	101.0	11.4	264.7	26.6
HA26200	493.8	470.8	173.3	0.5	7.2	0.35	366.3	213.0	111.6	14.3	0.0	0.0	3.8	187.0	5.9
HA26201	506.1	565.0	157.8	-0.6	3.8	0.31	562.0	344.0	309.0	279.0	242.0	214.0	28.5	213.9	100.6
HA26202	523.5	516.6	219.8	-0.6	4.0	0.42	361.7	167.4	38.7	0.0	0.0	0.0	4.1	143.0	5.7

Tabla C.193. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Sonora.

ESTACIÓN	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Estación	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA26002	370.3	457.5	544.7	631.9	719.2	806.4	893.6	980.8	1068.0	1155.2	4.1	4.1	16.6	12.5	33.3	12.5	12.5	0.0	0.0	4.1
HA26003	206.0	291.4	376.7	462.0	547.4	632.7	718.0	803.3	888.7	974.0	5.8	29.4	23.5	17.6	17.6	0.0	0.0	0.0	0.0	5.8
HA26004	242.5	301.4	360.4	419.3	478.2	537.2	596.2	655.1	714.1	773.0	3.7	0.0	3.7	11.1	33.3	11.1	14.8	3.7	7.4	11.1
HA26005	256.8	317.6	378.3	439.1	499.9	560.7	621.5	682.2	743.0	803.8	5.2	5.2	31.5	5.2	0.0	26.3	15.7	5.2	0.0	5.2
HA26006	329.2	360.3	391.5	422.6	453.8	485.0	516.1	547.3	578.4	609.6	21.0	10.5	10.5	5.2	5.2	10.5	21.0	0.0	10.5	5.2
HA26007	244.8	348.2	451.7	555.1	658.6	762.1	865.5	969.0	1072.4	1175.9	5.2	5.2	47.3	10.5	21.0	0.0	5.2	0.0	0.0	5.2
HA26008	297.9	343.3	388.7	434.1	479.5	524.9	570.3	615.7	661.1	706.5	13.6	4.5	22.7	22.7	9.0	0.0	13.6	9.0	0.0	4.5
HA26009	373.4	442.8	512.2	581.6	650.9	720.3	789.7	859.1	928.5	997.9	19.0	19.0	19.0	19.0	0.0	9.5	4.7	4.7	0.0	4.7
HA26010	196.6	240.9	285.3	329.6	373.9	418.2	462.5	506.9	551.2	595.5	16.6	16.6	11.1	5.5	5.5	22.2	11.1	0.0	5.5	5.5
HA26012	283.8	312.1	340.4	368.7	397.0	425.3	453.6	481.9	510.2	538.5	4.7	4.7	4.7	19.0	19.0	14.2	4.7	9.5	14.2	4.7
HA26013	174.1	274.6	375.1	475.6	576.2	676.7	777.2	877.7	978.2	1078.7	17.3	4.3	13.0	30.4	8.6	17.3	0.0	0.0	4.3	4.3
HA26015	456.6	491.2	525.8	560.4	595.0	629.6	664.2	698.8	733.4	768.0	10.0	10.0	40.0	10.0	0.0	20.0	0.0	0.0	0.0	10.0
HA26016	206.3	254.7	303.2	351.6	400.0	448.4	496.8	545.3	593.7	642.1	22.7	9.0	18.1	13.6	4.5	9.0	9.0	0.0	4.5	9.0
HA26017	369.3	425.8	482.2	538.6	595.1	651.5	707.9	764.3	820.8	877.2	5.8	11.7	5.8	11.7	5.8	5.8	17.6	17.6	5.8	11.7
HA26018	248.7	288.0	327.3	366.6	405.8	445.1	484.4	523.7	563.0	602.3	13.0	8.6	17.3	17.3	13.0	4.3	13.0	4.3	0.0	8.6
HA26019	285.2	363.3	441.3	519.4	597.5	675.6	753.7	831.7	909.8	987.9	20.0	34.0	15.0	5.0	0.0	5.0	5.0	10.0	0.0	5.0
HA26021	227.9	276.1	324.2	372.3	420.5	468.6	516.7	564.8	613.0	661.1	10.5	5.2	5.2	5.2	5.2	31.5	15.7	5.2	0.0	15.7
HA26022	255.9	290.8	325.6	360.5	395.4	430.3	465.2	500.0	534.9	569.8	22.7	31.8	0.0	13.6	4.5	4.5	4.5	4.5	4.5	9.0
HA26023	207.6	236.1	264.7	293.2	321.8	350.3	378.9	407.4	436.0	464.5	4.7	9.5	9.5	9.5	19.0	4.7	4.7	9.5	14.2	14.2
HA26024	345.1	394.7	444.4	494.0	543.7	593.4	643.0	692.7	742.3	792.0	13.0	17.3	8.6	26.0	4.3	4.3	17.3	0.0	4.3	4.3
HA26025	358.7	412.3	465.9	519.6	573.2	626.9	680.5	734.2	787.8	841.5	25.0	10.0	20.0	15.0	10.0	5.0	0.0	0.0	10.0	5.0
HA26026	125.4	151.9	178.5	205.0	231.6	258.1	284.7	311.2	337.8	364.3	16.6	22.2	27.7	11.1	5.5	5.5	0.0	5.5	0.0	5.5
HA26027	140.7	158.8	177.0	195.1	213.3	231.4	249.6	267.7	285.9	304.0	27.2	9.0	9.0	0.0	18.1	9.0	9.0	0.0	0.0	18.1
HA26028	99.1	120.7	142.3	163.9	185.5	207.1	228.7	250.3	271.9	293.5	14.2	5.5	23.8	14.2	14.2	9.5	4.7	4.7	0.0	4.7
HA26029	360.3	445.1	529.8	614.6	699.4	784.2	869.0	953.7	1038.5	1123.3	13.6	13.6	13.6	18.1	22.7	9.0	0.0	4.5	0.0	4.5
HA26031	309.2	391.9	474.6	557.3	640.1	722.8	805.5	888.2	970.9	1053.6	3.3	18.3	13.3	20.0	20.0	16.6	6.6	0.0	0.0	6.6
HA26032	230.2	272.7	315.3	357.9	400.5	443.0	485.6	528.2	570.7	613.3	10.5	15.7	21.0	10.5	21.0	0.0	10.5	5.2	0.0	5.2
HA26034	183.1	241.6	300.2	358.7	417.2	475.7	534.2	592.8	651.3	709.8	9.0	18.1	27.2	13.6	18.1	4.5	0.0	4.5	0.0	4.5
HA26035	146.1	202.9	259.6	316.3	373.1	429.8	486.5	543.2	600.0	656.7	13.6	9.0	40.9	9.0	9.0	4.5	0.0	0.0	0.0	13.6
HA26037	38.6	46.7	54.9	63.1	71.3	79.4	87.6	95.8	103.9	112.1	30.7	7.6	7.6	15.3	7.6	0.0	15.3	7.6	0.0	7.6
HA26038	261.8	347.5	433.3	519.0	604.8	690.5	776.3	862.0	947.8	1033.5	10.3	31.0	37.9	3.4	6.8	0.0	0.0	3.4	3.4	34.0
HA26041	107.8	154.6	201.5	248.3	295.1	341.9	388.7	435.6	482.4	529.2	13.3	6.6	20.0	40.0	0.0	0.0	13.3	0.0	0.0	6.6
HA26044	190.0	269.0	347.9	426.8	505.8	584.7	663.6	742.5	821.5	900.4	20.0	35.0	30.0	0.0	10.0	0.0	0.0	0.0	0.0	5.0
HA26045	204.1	269.2	334.3	399.4	464.5	529.6	594.7	659.8	724.9	790.0	3.5	0.0	10.7	17.8	21.4	17.8	10.7	3.5	3.5	10.7
HA26046	211.6	240.7	269.8	298.9	328.0	357.1	386.2	415.3	444.4	473.5	4.5	0.0	13.6	13.6	13.6	13.6	4.5	4.5	9.0	22.7
HA26047	336.3	422.6	508.9	595.2	681.5	767.8	854.1	940.4	1026.7	1113.0	8.0	20.0	32.0	16.0	12.0	0.0	8.0	0.0	0.0	4.0

Tabla C.194. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Sonora.

Estación	Déciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA26048	294.8	427.5	560.2	692.9	825.6	958.2	1090.9	1223.6	1356.3	1489.0	8.3	16.6	25.0	16.6	20.8	8.3	0.0	0.0	0.0	4.1
HA26049	465.6	512.8	560.0	607.2	654.5	701.7	748.9	796.1	843.3	890.5	10.0	16.6	13.3	13.3	30.0	0.0	10.0	0.0	3.3	3.3
HA26050	561.5	622.5	683.5	744.5	805.5	866.4	927.4	988.4	1049.4	1110.4	22.2	33.3	5.5	5.5	11.1	0.0	0.0	11.1	0.0	11.1
HA26051	190.7	247.8	304.8	361.8	418.8	475.9	532.9	589.9	647.0	704.0	15.7	21.0	21.0	26.3	0.0	5.2	0.0	0.0	5.2	5.2
HA26052	463.2	502.5	541.9	581.3	620.7	660.0	699.4	738.8	778.1	817.5	38.8	11.1	11.1	11.1	11.1	11.1	0.0	0.0	0.0	5.5
HA26053	445.4	587.7	730.0	872.3	1014.6	1156.8	1299.1	1441.4	1583.7	1726.0	10.3	20.6	34.4	20.6	6.8	0.0	0.0	3.4	0.0	3.4
HA26055	222.3	279.6	336.9	394.2	451.5	508.8	566.1	623.4	680.7	738.0	3.5	0.0	10.7	21.4	28.5	14.2	3.5	7.1	3.5	7.1
HA26056	166.9	217.6	268.2	318.9	369.6	420.3	471.0	521.6	572.3	623.0	17.3	8.6	17.3	26.0	17.3	4.3	4.3	0.0	0.0	4.3
HA26057	154.1	196.6	239.2	281.7	324.3	366.8	409.4	451.9	494.5	537.0	13.6	0.0	13.6	13.6	4.5	4.5	18.1	9.0	18.1	4.5
HA26059	370.3	402.6	434.9	467.2	499.5	531.8	564.1	596.4	628.7	661.0	5.8	17.6	0.0	17.6	17.6	11.7	0.0	5.8	17.6	5.8
HA26060	158.3	214.5	270.8	327.0	383.2	439.4	495.6	551.9	608.1	664.3	12.5	12.5	12.5	18.7	12.5	12.5	12.5	0.0	0.0	6.2
HA26066	123.7	143.4	163.1	182.8	202.5	222.1	241.8	261.5	281.2	300.9	10.5	21.0	10.5	0.0	10.5	5.2	10.5	10.5	10.5	10.5
HA26067	284.2	345.6	407.0	468.4	529.8	591.1	652.5	713.9	775.3	836.7	3.3	6.5	3.3	30.0	20.0	13.3	6.6	10.0	0.0	6.6
HA26069	276.6	305.9	335.1	364.4	393.6	422.8	452.1	481.3	510.6	539.8	4.0	8.0	20.0	16.0	8.0	8.0	16.0	4.0	8.0	8.0
HA26072	192.2	276.4	360.7	444.9	529.1	613.3	697.5	781.8	866.0	950.2	68.4	15.7	5.2	0.0	0.0	0.0	5.2	0.0	0.0	5.2
HA26073	134.3	181.0	227.8	274.5	321.3	368.0	414.8	461.5	508.3	555.0	3.7	0.0	3.7	18.5	7.4	22.2	14.8	22.2	0.0	7.4
HA26074	137.1	212.3	287.4	362.5	437.7	512.8	587.9	663.0	738.2	813.3	5.2	15.7	21.0	15.7	21.0	0.0	5.2	5.2	5.2	5.2
HA26075	185.5	270.4	355.4	440.3	525.3	610.3	695.2	780.2	865.1	950.1	3.5	0.0	0.0	7.1	21.4	17.8	17.8	17.8	7.1	7.1
HA26076	47.8	60.6	73.4	86.2	99.0	111.8	124.6	137.4	150.2	163.0	32.1	10.7	7.1	21.4	10.7	3.5	3.5	3.5	3.5	3.5
HA26080	549.3	597.5	645.6	693.7	741.9	790.0	838.1	886.2	934.4	982.5	5.2	5.2	5.2	10.5	21.0	36.8	0.0	0.0	5.2	10.5
HA26082	75.9	96.0	116.0	136.1	156.2	176.3	196.4	216.4	236.5	256.6	13.6	4.4	9.0	18.1	9.0	4.5	13.6	4.5	13.6	9.0
HA26083	433.8	556.6	679.4	802.2	925.0	1047.8	1170.6	1293.4	1416.2	1539.0	11.1	18.5	14.8	29.6	18.5	3.7	0.0	0.0	0.0	3.7
HA26084	87.0	101.7	116.5	131.2	145.9	160.6	175.3	190.1	204.8	219.5	6.2	12.5	18.7	12.5	0.0	0.0	0.0	6.2	18.7	25.0
HA26085	88.3	109.1	129.9	150.7	171.5	192.3	213.1	233.9	254.7	275.5	14.2	4.7	9.5	9.5	14.2	23.8	4.7	0.0	9.5	9.5
HA26086	53.8	63.5	73.3	83.0	92.8	102.5	112.3	122.0	131.8	141.5	21.7	21.7	26.0	8.6	8.6	4.3	0.0	4.3	0.0	4.3
HA26087	66.6	85.2	103.8	122.4	141.0	159.6	178.2	196.8	215.4	234.0	14.2	23.8	19.0	19.0	4.7	9.5	4.7	0.0	0.0	4.7
HA26088	330.2	401.9	473.6	545.3	617.0	688.7	760.4	832.1	903.8	975.5	13.3	3.3	30.0	36.6	10.0	3.3	0.0	0.0	0.0	3.3
HA26089	185.5	227.5	269.5	311.5	353.5	395.5	437.5	479.5	521.5	563.5	27.7	16.6	16.6	5.5	5.5	5.5	11.1	5.5	0.0	5.5
HA26090	209.1	237.3	265.6	293.8	322.0	350.2	378.4	406.7	434.9	463.1	22.7	13.6	22.7	0.0	9.0	9.0	9.0	4.5	0.0	9.0
HA26091	418.7	472.6	526.5	580.4	634.3	688.3	742.2	796.1	850.0	903.9	20.0	0.0	20.0	10.0	20.0	0.0	10.0	0.0	10.0	10.0
HA26092	120.3	182.7	245.2	307.6	370.0	432.4	494.8	557.3	619.7	682.1	10.5	0.0	5.2	36.8	15.7	10.5	5.2	5.2	5.2	5.2
HA26093	163.0	199.7	236.4	273.1	309.8	346.4	383.1	419.8	456.5	493.2	18.1	22.7	18.1	13.6	9.0	4.5	9.0	0.0	0.0	4.5
HA26094	226.2	338.4	450.6	562.8	675.0	787.2	899.4	1011.6	1123.8	1236.0	3.4	0.0	3.4	3.4	3.4	20.6	31.0	20.6	3.4	10.3
HA26096	129.6	169.2	208.9	248.5	288.2	327.8	367.5	407.1	446.7	486.4	31.8	9.0	22.7	22.7	0.0	9.0	0.0	0.0	0.0	4.5
HA26098	187.5	274.6	361.8	449.0	536.2	623.3	710.5	797.7	884.8	972.0	5.0	5.0	20.0	20.0	25.0	10.0	10.0	0.0	0.0	5.0

Tabla C.194. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Sonora.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA26099	353.2	496.2	638.3	782.4	925.4	1068.5	1211.6	1354.7	1497.7	1640.8	4.3	8.6	30.4	30.4	13.0	0.0	8.6	0.0	0.0	4.3
HA26100	304.3	397.0	489.8	582.5	675.3	768.0	860.8	953.5	1046.3	1139.0	4.5	0.0	0.0	31.8	27.2	18.1	4.5	4.5	0.0	9.0
HA26101	444.0	495.5	547.0	598.5	650.0	701.5	753.0	804.5	856.0	907.5	11.1	11.1	14.8	11.1	14.8	0.0	14.8	14.8	3.7	3.7
HA26102	192.2	274.2	356.1	438.1	520.1	602.1	684.1	766.0	848.0	930.0	4.0	4.0	4.0	28.0	16.0	20.0	12.0	4.0	4.0	4.0
HA26103	124.7	163.8	203.0	242.1	281.3	320.4	359.6	398.7	437.8	477.0	4.5	4.5	18.1	31.8	4.5	9.0	4.5	13.6	0.0	9.0
HA26106	256.6	355.6	454.7	553.7	652.8	751.8	850.8	949.9	1049.0	1148.0	4.7	4.7	14.2	23.8	19.0	23.8	0.0	0.0	4.7	4.7
HA26107	177.0	209.1	241.3	273.4	305.6	337.8	369.9	402.1	434.2	466.4	3.8	19.2	30.7	7.6	3.8	3.8	11.5	11.5	3.8	3.8
HA26109	352.6	536.3	720.0	903.7	1087.5	1271.2	1454.9	1638.6	1822.3	2006.0	13.3	6.6	10.0	33.3	10.0	10.0	6.6	0.0	0.0	10.0
HA26110	147.1	204.4	261.8	319.1	376.4	433.7	491.0	548.4	605.7	663.0	11.7	5.8	17.6	5.8	11.7	5.8	29.4	0.0	5.8	5.8
HA26115	270.0	320.5	370.9	421.4	471.9	522.4	572.9	623.3	673.8	724.3	5.2	5.2	21.0	26.3	10.5	15.7	0.0	0.0	0.0	15.7
HA26116	152.2	195.0	237.9	280.7	323.6	366.5	409.3	452.2	495.0	537.9	5.0	0.0	15.0	0.0	30.0	15.0	15.0	5.0	10.0	5.0
HA26117	341.0	393.9	446.8	499.7	552.7	605.6	658.5	711.4	764.3	817.2	13.6	13.6	13.6	9.0	13.6	4.5	4.5	13.6	0.0	13.6
HA26118	53.8	70.1	86.4	102.7	119.0	135.3	151.6	167.9	184.2	200.5	14.2	21.4	7.1	21.4	0.0	0.0	21.4	7.1	0.0	7.1
HA26121	237.2	314.0	390.9	467.8	544.7	621.5	698.4	775.3	852.1	929.0	9.0	13.6	9.0	27.2	27.2	4.5	0.0	4.5	0.0	4.5
HA26122	122.5	160.5	198.5	236.5	274.5	312.4	350.4	388.4	426.4	464.4	5.0	0.0	15.0	20.0	15.0	5.0	15.0	10.0	10.0	5.0
HA26123	405.1	522.9	640.7	758.5	876.3	994.1	1111.9	1229.7	1347.5	1465.3	4.7	9.5	9.5	9.5	23.8	19.0	9.5	4.7	4.7	4.7
HA26138	103.5	142.9	182.4	221.9	261.4	300.8	340.3	379.8	419.2	458.7	6.6	6.6	13.3	20.0	20.0	13.3	0.0	6.6	6.6	6.6
HA26139	218.6	251.2	283.9	316.5	349.1	381.7	414.3	447.0	479.6	512.2	9.0	18.1	22.7	13.6	13.6	0.0	9.0	0.0	9.0	4.5
HA26173	50.5	88.3	126.2	164.0	201.8	239.6	277.4	315.3	353.1	390.9	13.3	6.6	13.3	0.0	33.3	6.6	20.0	0.0	0.0	6.6
HA26176	242.0	272.0	302.1	332.1	362.1	392.1	422.1	452.2	482.2	512.2	20.0	0.0	10.0	10.0	20.0	0.0	10.0	0.0	20.0	10.0
HA26178	219.4	294.8	370.3	445.7	521.1	596.5	671.9	747.4	822.8	898.2	8.3	0.0	16.6	8.3	8.3	33.3	8.3	0.0	8.3	8.3
HA26180	259.7	307.7	355.7	403.7	451.7	499.8	547.8	595.8	643.8	691.8	21.4	14.2	0.0	14.2	0.0	28.5	0.0	7.1	0.0	14.2
HA26181	318.6	373.1	427.5	482.0	536.4	590.8	645.3	699.7	754.2	808.6	28.5	0.0	21.4	14.2	7.1	7.1	7.1	7.1	0.0	7.1
HA26182	238.1	271.2	304.3	337.4	370.5	403.6	436.7	469.8	502.9	536.0	33.3	0.0	0.0	8.3	0.0	8.3	16.6	16.6	0.0	16.6
HA26183	234.1	301.7	369.4	437.0	504.6	572.3	639.9	707.6	775.2	842.9	15.3	0.0	7.6	7.6	0.0	23.0	0.0	7.6	15.3	23.0
HA26184	314.6	376.2	437.9	499.5	561.2	622.8	684.4	746.1	807.7	869.4	7.1	0.0	14.2	7.1	28.5	14.2	7.1	7.1	0.0	14.2
HA26185	381.3	421.6	461.9	502.2	542.6	582.9	623.2	663.5	703.8	744.1	15.3	0.0	0.0	23.0	23.0	15.3	0.0	0.0	7.6	15.3
HA26186	256.4	307.3	358.1	409.0	459.9	510.8	561.7	612.5	663.4	714.3	9.0	9.0	0.0	0.0	18.1	0.0	18.1	18.1	18.1	9.0
HA26192	182.8	206.8	230.9	254.9	279.0	303.0	327.1	351.1	375.2	399.2	25.0	8.3	16.6	0.0	0.0	25.0	0.0	16.6	0.0	8.3
HA26193	141.6	188.2	234.9	281.5	328.2	374.8	421.4	468.1	514.7	561.4	7.1	14.2	14.2	14.2	21.4	7.1	0.0	14.2	0.0	7.1
HA26196	104.0	126.2	148.5	170.7	192.9	215.1	237.3	259.6	281.8	304.0	15.3	0.0	30.7	30.7	0.0	0.0	0.0	7.6	0.0	15.3
HA26197	165.2	231.4	297.6	363.8	430.0	496.2	562.4	628.6	694.8	761.0	25.0	33.3	8.3	8.3	0.0	8.3	8.3	0.0	0.0	8.3
HA26199	323.2	381.8	440.3	498.8	557.3	615.9	674.4	732.9	791.5	850.0	27.2	0.0	9.0	45.4	0.0	0.0	9.0	0.0	0.0	9.0
HA26200	253.8	320.5	387.3	454.1	520.9	587.6	654.4	721.2	787.9	854.7	10.0	0.0	10.0	20.0	30.0	10.0	10.0	0.0	0.0	10.0
HA26201	264.5	315.1	365.8	416.4	467.0	517.6	568.2	618.9	669.5	720.1	9.0	0.0	9.0	18.1	0.0	0.0	18.1	18.1	18.1	9.0
HA26202	206.0	269.0	331.9	394.9	457.9	520.9	583.9	646.8	709.8	772.8	18.1	0.0	0.0	9.0	0.0	27.2	9.0	0.0	9.0	27.2

Tabla C.194. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Sonora.

Estación	Características promedio de la sequía meteorológica										Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de JS	lluvia disponible	Hp disp S(mm)		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	JS(mm/año)	respecto a X _s	Hp disp S(mm)	Hp disp S(mm)		
HA26002	3.2	2.1	2.7	2.2	301.7	213.1	111.7	16.0	553.3	4.3	MUY SEVERA	
HA26003	5.3	0.9	2.5	1.5	252.3	146.0	100.9	26.0	283.9	3.8	MUY VASTA	
HA26004	3.3	1.0	2.6	1.6	229.6	217.6	88.3	17.0	421.9	4.5	MUY SEVERA	
HA26005	5.3	0.9	2.2	1.2	288.6	219.5	131.1	27.0	337.1	8.1	MUY VASTA	
HA26006	3.6	1.9	1.5	1.1	132.4	113.6	88.2	20.0	341.4	3.8	SEVERA	
HA26007	6.0	2.1	3.0	1.5	339.3	142.5	113.0	22.0	387.8	4.0	EXTREMADAMENTE VASTA	
HA26008	5.0	1.8	2.8	2.2	208.0	155.3	74.2	17.0	361.8	3.7	MUY SEVERA	
HA26009	5.0	1.8	2.8	2.2	285.4	215.6	101.9	19.0	426.2	3.5	MUY SEVERA	
HA26010	2.7	0.9	1.5	0.7	161.5	75.3	107.6	32.0	223.6	4.0	CRITICA	
HA26012	3.5	0.8	2.1	1.1	116.4	100.2	55.4	13.0	346.6	4.8	MUY SEVERA	
HA26013	4.2	1.6	2.5	1.6	383.4	444.7	153.3	34.0	294.8	4.6	MUY CRITICA	
HA26015	4.0	0.5	2.0	0.8	118.2	44.0	59.0	10.0	492.7	4.0	MODERADA	
HA26016	5.2	2.3	2.8	1.8	237.4	171.8	84.7	25.0	245.7	3.4	MUY VASTA	
HA26017	4.0	2.0	1.3	0.4	240.8	45.0	185.2	29.0	437.1	6.5	VASTA	
HA26018	3.6	0.9	2.0	0.7	133.7	108.4	68.8	18.0	300.3	4.0	MUY SEVERA	
HA26019	4.5	1.6	2.8	1.5	351.7	249.2	125.6	28.0	311.4	2.6	MUY VASTA	
HA26021	3.6	1.0	1.5	1.1	161.3	178.6	107.5	24.0	329.8	2.1	VASTA	
HA26022	5.2	3.2	3.0	2.5	191.6	187.3	63.8	18.0	273.6	2.3	EXTREMADAMENTE SEVERA	
HA26023	4.0	1.8	2.3	1.8	150.4	177.1	65.3	19.0	267.1	4.1	MUY SEVERA	
HA26024	4.4	2.3	2.5	1.8	196.7	133.4	78.6	16.0	405.4	3.5	MUY SEVERA	
HA26025	6.0	1.0	3.6	2.0	391.1	261.1	108.6	22.0	377.3	3.7	EXTREMADAMENTE VASTA	
HA26026	5.0	1.6	3.0	1.8	105.4	90.9	35.1	19.0	143.1	4.1	EXTREMADAMENTE SEVERA	
HA26027	5.0	0.0	2.5	1.5	142.4	71.3	56.9	28.0	141.1	4.7	MUY VASTA	
HA26028	5.0	1.0	4.0	2.1	146.6	117.8	36.6	23.0	120.0	4.6	MUY VASTA	
HA26029	3.3	1.0	1.8	1.0	265.0	95.6	147.2	25.0	429.2	4.8	VASTA	
HA26031	3.4	0.9	1.8	1.0	262.4	150.2	145.7	25.0	422.1	5.1	VASTA	
HA26032	5.6	2.6	2.5	1.6	202.2	59.8	80.8	23.0	266.6	7.9	MUY VASTA	
HA26034	5.6	2.3	3.2	2.7	258.3	269.7	80.7	25.0	240.6	4.3	EXTREMADAMENTE VASTA	
HA26035	6.3	3.6	4.0	3.5	311.9	304.7	77.9	26.0	212.2	3.0	EXTREMADAMENTE VASTA	
HA26037	9.0	0.5	4.0	2.0	70.1	12.0	17.5	29.0	42.2	3.5	EXTREMADAMENTE VASTA	
HA26038	4.3	1.3	2.7	0.8	269.6	158.4	99.8	24.0	312.5	3.4	MUY VASTA	
HA26041	3.3	0.9	2.7	1.0	153.2	102.5	56.7	25.0	168.8	3.5	MUY VASTA	
HA26044	4.0	1.4	2.7	1.4	204.5	151.7	75.7	25.0	218.4	3.7	MUY VASTA	
HA26045	3.9	1.5	2.1	1.3	222.8	177.4	106.0	22.0	367.6	5.1	MUY VASTA	
HA26046	2.9	1.8	1.7	1.0	110.2	62.9	64.8	18.0	287.2	4.5	SEVERA	
HA26047	3.7	3.1	2.4	2.9	266.5	353.4	111.0	21.0	406.7	4.4	MUY VASTA	

Tabla C.195. Características de la sequía promedio de cada estación climatológica del estado de Sonora.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS respecto a X_0	Hvvia disponible	Hp disp S(mm)		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)		Hp disp S(mm)	Hp disp S(mm)		
HA26048	5.7	4.4	2.8	3.1	441.1	586.2	157.5	26.0	444.8	4.0	MUY VASTA	
HA26049	3.3	2.2	1.7	1.2	138.4	95.5	81.4	13.0	509.0	4.6	SEVERA	
HA26050	4.3	2.0	3.0	1.4	354.8	180.9	118.2	16.0	586.2	2.4	EXTREMADAMENTE SEVERA	
HA26051	4.2	3.3	2.1	1.4	202.9	115.0	96.6	31.0	213.9	5.8	MUY CRITICA	
HA26052	3.0	1.0	1.8	1.1	145.6	82.5	80.8	15.0	446.3	2.1	SEVERA	
HA26053	3.1	0.7	2.0	0.8	279.7	204.0	139.8	19.0	576.0	4.0	MUY SEVERA	
HA26055	5.2	2.7	2.6	2.9	206.0	325.8	79.2	17.0	362.1	4.6	MUY SEVERA	
HA26056	4.7	1.9	1.9	0.6	189.1	130.8	99.5	35.0	182.6	7.4	CRITICA	
HA26057	4.0	1.6	2.5	1.6	295.2	256.1	118.0	35.0	214.1	4.9	MUY CRITICA	
HA26059	3.3	1.2	2.5	1.1	163.1	20.8	65.2	13.0	432.6	4.2	MUY SEVERA	
HA26060	4.6	2.4	2.2	0.8	225.9	115.3	102.6	31.0	219.7	3.9	MUY CRITICA	
HA26066	3.5	1.0	1.5	0.7	85.7	64.6	57.1	28.0	140.3	4.2	VASTA	
HA26067	3.5	1.4	2.0	1.0	177.9	114.6	88.9	17.0	428.8	4.0	MUY SEVERA	
HA26069	3.5	2.1	1.8	1.7	119.2	124.0	66.2	17.0	318.7	4.4	SEVERA	
HA26072	3.7	0.8	2.6	1.0	227.1	143.0	87.3	35.0	161.7	2.7	MUY CRITICA	
HA26073	4.7	1.9	2.1	0.8	175.5	137.4	83.5	23.0	279.3	2.2	MUY VASTA	
HA26074	6.0	2.1	2.7	1.9	353.1	299.1	130.7	37.0	222.0	1.9	MUY CRITICA	
HA26075	4.5	1.8	2.1	1.0	298.1	297.4	141.9	23.0	466.7	6.0	MUY VASTA	
HA26076	3.7	1.7	2.3	1.7	61.7	61.0	26.8	36.0	47.0	2.7	MUY CRITICA	
HA26080	3.0	1.2	1.5	1.1	129.8	69.6	86.5	11.0	658.8	5.1	SEVERA	
HA26082	3.6	1.6	2.0	1.1	90.1	54.1	45.0	29.0	107.9	4.4	MUY VASTA	
HA26083	6.5	2.6	2.4	1.7	447.0	391.3	186.2	26.0	508.5	3.0	MUY VASTA	
HA26084	3.6	1.2	2.0	1.0	98.4	64.4	49.2	32.0	104.0	4.6	MUY CRITICA	
HA26085	2.7	1.0	1.2	0.6	65.0	58.7	54.1	32.0	111.3	4.6	CRITICA	
HA26086	7.0	5.7	4.0	5.1	48.2	57.5	12.0	17.0	58.0	3.2	CRITICA	
HA26087	3.7	0.8	2.6	1.8	67.5	54.6	25.9	24.0	78.9	3.0	MUY VASTA	
HA26088	4.8	1.1	2.3	1.1	212.9	121.3	92.5	19.0	389.5	5.3	MUY SEVERA	
HA26089	5.3	0.9	2.7	1.4	219.5	130.3	81.2	28.0	199.3	3.7	MUY VASTA	
HA26090	6.0	2.1	3.2	1.9	196.5	77.4	61.4	21.0	222.6	3.6	EXTREMADAMENTE VASTA	
HA26091	4.5	1.5	1.9	0.8	224.0	79.8	117.8	19.0	477.0	4.3	SEVERA	
HA26092	4.5	2.0	2.2	1.5	212.3	122.5	96.5	29.0	234.9	4.3	MUY VASTA	
HA26093	4.2	1.4	2.6	1.0	157.5	73.4	60.5	25.0	177.7	3.2	MUY VASTA	
HA26094	4.7	2.0	2.3	1.7	353.0	366.7	153.4	18.0	667.4	7.0	MUY SEVERA	
HA26096	6.0	0.8	3.2	1.2	177.2	94.7	55.3	28.0	140.7	1.8	EXTREMADAMENTE VASTA	
HA26098	3.0	1.5	1.4	0.7	189.2	166.7	135.1	29.0	316.5	5.7	VASTA	

Tabla C.195. Características de la sequía promedio de cada estación climatológica del estado de Sonora.

Estación	Características promedio de la sequía meteorológica									T _r (años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	lluvia disponible		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s	Hp disp S(mm)		
HA26099	5.0	2.0	3.0	1.6	440.9	199.3	146.9	20.0	563.4	3.7	EXTREMADAMENTE SEVERA
HA26100	5.2	2.5	2.6	1.4	301.1	211.9	115.8	17.0	541.8	4.3	MUY SEVERA
HA26101	3.5	1.5	1.8	0.9	200.5	131.8	111.3	17.0	509.3	4.3	SEVERA
HA26102	4.4	1.4	2.1	0.6	268.8	182.6	128.0	25.0	377.2	4.8	MUY VASTA
HA26103	3.8	1.3	2.3	0.7	149.8	112.6	65.1	24.0	198.1	3.8	MUY VASTA
HA26106	3.1	1.4	1.5	1.0	231.3	248.6	154.1	26.0	430.3	4.8	VASTA
HA26107	2.5	0.6	1.6	0.7	97.9	68.8	61.1	22.0	213.0	3.9	VASTA
HA26109	3.0	0.7	2.1	1.5	557.0	495.0	265.2	29.0	638.0	4.0	MUY VASTA
HA26110	7.0	4.0	2.6	0.9	373.1	50.8	143.5	40.0	210.1	4.6	MUY CRITICA
HA26115	4.5	2.2	2.2	1.1	195.7	116.5	88.9	20.0	352.8	1.8	MUY SEVERA
HA26116	5.3	3.2	3.2	1.9	185.8	182.9	58.0	17.0	277.4	4.1	EXTREMADAMENTE SEVERA
HA26117	4.2	1.1	2.1	1.4	262.7	255.8	125.0	23.0	396.4	3.9	MUY VASTA
HA26118	4.0	1.6	2.2	1.2	67.7	71.8	30.7	30.0	70.3	3.5	MUY VASTA
HA26121	3.7	1.8	2.1	1.6	230.7	233.2	109.8	25.0	329.2	4.0	MUY VASTA
HA26122	2.5	0.7	1.3	0.6	98.2	76.6	75.5	27.0	199.4	5.6	VASTA
HA26123	4.0	1.8	1.6	0.9	359.3	272.0	224.5	27.0	606.9	5.7	VASTA
HA26138	3.5	0.5	1.8	0.7	114.6	50.5	63.6	26.0	174.8	4.6	VASTA
HA26139	5.0	2.5	2.8	1.9	148.4	93.6	53.0	17.0	250.3	3.8	MUY SEVERA
HA26173	3.5	1.1	2.0	0.8	112.0	57.5	56.0	32.0	116.2	3.5	MUY CRITICA
HA26176	6.0	0.5	3.0	2.0	214.2	197.6	71.4	19.0	288.4	3.6	EXTREMADAMENTE SEVERA
HA26178	4.0	0.5	2.5	0.5	455.4	105.5	182.1	35.0	332.1	5.9	MUY CRITICA
HA26180	4.3	0.9	1.7	0.8	228.3	182.6	134.2	32.0	282.8	3.3	CRITICA
HA26181	5.5	0.5	2.3	0.9	301.8	167.8	131.2	28.0	328.2	4.8	MUY VASTA
HA26182	3.0	0.5	1.6	0.4	217.8	116.4	136.1	37.0	229.5	3.4	CRITICA
HA26183	5.5	0.5	2.3	1.2	410.7	270.4	178.5	31.0	382.4	4.4	MUY CRITICA
HA26184	3.2	1.6	1.5	0.8	171.9	169.4	114.5	20.0	448.4	4.7	SEVERA
HA26185	3.0	1.2	1.5	1.2	118.1	162.7	78.7	14.0	463.0	4.1	SEVERA
HA26186	1.3	1.3	4.0	0.5	667.3	0.5	166.8	32.0	344.9	7.5	SEVERA
HA26192	3.5	1.5	1.9	1.4	134.9	129.9	71.0	27.0	188.9	5.0	VASTA
HA26193	3.0	1.7	1.5	0.8	130.0	107.9	86.6	29.0	206.1	4.7	VASTA
HA26196	5.0	1.0	3.3	0.4	110.6	43.6	33.5	19.0	135.5	2.9	EXTREMADAMENTE SEVERA
HA26197	5.0	2.0	2.6	0.9	311.9	134.5	119.9	40.0	179.1	2.9	MUY CRITICA
HA26199	4.0	2.0	2.6	1.2	188.9	129.8	72.6	15.0	388.0	3.8	MUY SEVERA
HA26200	3.0	1.0	2.0	0.8	192.9	117.5	96.4	19.0	397.3	1.7	MUY SEVERA
HA26201	5.0	3.0	1.3	0.4	242.3	130.9	186.3	36.0	319.7	8.0	CRITICA
HA26202	4.0	1.0	1.9	1.4	304.7	394.2	160.3	30.0	363.1	2.0	VASTA

Tabla C.195. Características de la sequía promedio de cada estación climatológica del estado de Sonora.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I'	Intensidad	Duración / $m\acute{a}x$	% de $I_{m\acute{a}x}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I'(mm/a\acute{o})$	respecto a X_{20}	$I_{m\acute{a}x}(mm/a\acute{o})$	$D_{m\acute{a}x}(a\acute{o}s)$	respecto a X_{10}	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA26002	585.5	5.0	117.1	17.0	169.4	1.0	25.0	60.0	0.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0
HA26003	406.3	4.0	101.5	26.0	147.8	1.0	38.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26004	690.6	6.0	115.1	22.0	178.2	1.0	34.0	33.3	16.6	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA26005	571.3	3.0	190.4	40.0	190.4	3.0	40.0	50.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26006	378.2	4.0	94.5	21.0	118.3	1.0	27.0	83.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA26007	473.7	4.0	118.4	23.0	231.4	2.0	46.0	25.0	25.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0
HA26008	488.5	7.0	69.7	15.0	183.5	1.0	42.0	40.0	20.0	20.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
HA26009	545.8	5.0	109.1	20.0	210.3	1.0	39.0	60.0	0.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0
HA26010	270.3	2.0	135.1	40.0	178.9	1.0	54.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26012	303.3	4.0	75.8	18.0	75.8	4.0	18.0	40.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26013	1227.7	5.0	245.5	54.0	245.5	5.0	54.0	40.0	20.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA26015	158.7	2.0	79.3	14.0	79.3	2.0	14.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26016	499.7	6.0	83.2	25.0	147.4	1.0	44.0	40.0	0.0	40.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA26017	309.4	1.0	309.4	49.0	309.4	1.0	49.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26018	286.4	2.0	143.2	39.0	143.2	2.0	39.0	28.5	42.8	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26019	649.6	4.0	162.4	37.0	162.4	4.0	37.0	40.0	0.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA26021	534.1	4.0	133.5	30.0	180.7	1.0	41.0	83.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA26022	453.7	7.0	64.8	19.0	76.5	0.5	22.0	60.0	0.0	0.0	0.0	20.0	0.0	20.0	0.0	0.0	0.0
HA26023	481.3	6.0	80.2	24.0	94.9	2.0	28.0	40.0	40.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA26024	414.5	3.0	138.1	28.0	159.6	1.0	32.0	50.0	0.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA26025	700.9	6.0	116.8	24.0	116.8	6.0	24.0	33.3	0.0	0.0	33.3	0.0	33.3	0.0	0.0	0.0	0.0
HA26026	255.4	6.0	42.5	23.0	42.5	6.0	23.0	25.0	25.0	25.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
HA26027	213.7	4.0	53.4	26.0	71.1	1.0	35.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26028	290.8	6.0	48.4	30.0	48.4	6.0	30.0	33.3	0.0	0.0	0.0	33.3	33.3	0.0	0.0	0.0	0.0
HA26029	375.8	4.0	93.9	16.0	300.8	1.0	52.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA26031	478.7	4.0	119.6	21.0	341.2	1.0	60.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA26032	280.9	5.0	56.1	16.0	159.8	1.0	45.0	50.0	0.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA26034	724.2	8.0	90.5	28.0	90.5	8.0	28.0	25.0	50.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0
HA26035	835.7	10.0	83.5	28.0	113.6	1.0	39.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0
HA26037	82.2	6.0	13.7	22.0	29.0	2.0	48.0	0.0	50.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0
HA26038	580.4	4.0	145.1	35.0	145.1	4.0	35.0	14.2	14.2	57.1	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA26041	322.3	4.0	80.5	35.0	95.5	1.0	42.0	25.0	0.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26044	440.6	5.0	88.1	29.0	107.7	2.0	36.0	20.0	40.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA26045	570.4	5.0	114.0	24.0	145.6	2.0	30.0	42.8	28.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA26046	229.0	4.0	57.2	16.0	169.5	1.0	48.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA26047	1040.8	9.0	115.6	22.0	141.7	1.0	27.0	66.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0

Tabla C.196. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Sonora.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de $I/máx$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_0	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_0	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA26048	1611.0	9.0	179.0	29.0	185.6	1.0	30.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0
HA26049	305.7	2.0	152.8	25.0	152.8	2.0	25.0	55.5	33.3	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0
HA26050	578.0	5.0	115.5	16.0	154.5	3.0	21.0	25.0	0.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA26051	417.1	5.0	83.4	26.0	172.4	1.0	55.0	40.0	40.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA26052	304.8	4.0	76.2	14.0	103.4	1.0	19.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26053	743.6	3.0	247.8	34.0	293.8	1.0	41.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26055	927.5	9.0	103.0	23.0	103.0	9.0	23.0	66.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	16.6	0.0
HA26056	437.4	3.0	145.8	51.0	145.8	3.0	51.0	20.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26057	666.0	5.0	133.2	40.0	133.2	5.0	40.0	50.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26059	195.5	4.0	48.8	9.0	159.8	1.0	32.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26060	370.7	3.0	123.5	38.0	128.7	2.0	39.0	25.0	25.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26066	211.0	3.0	70.3	35.0	93.4	1.0	47.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26067	383.1	2.0	191.5	37.0	191.5	2.0	37.0	44.4	22.2	22.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
HA26069	411.1	6.0	68.5	17.0	97.6	1.0	25.0	71.4	14.2	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA26069	411.1	6.0	68.5	17.0	97.6	1.0	25.0	71.4	14.2	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA26072	488.7	4.0	122.1	49.0	122.1	4.0	49.0	20.0	20.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26073	450.2	3.0	150.0	42.0	150.0	3.0	42.0	33.3	16.6	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26074	835.3	6.0	139.2	39.0	177.3	2.0	50.0	25.0	50.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
HA26075	904.5	4.0	226.1	37.0	226.1	4.0	37.0	33.3	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA26076	194.4	6.0	32.4	43.0	36.8	1.0	49.0	50.0	16.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA26080	241.1	1.0	241.1	32.0	241.1	1.0	32.0	83.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA26082	175.3	3.0	58.4	38.0	67.0	1.0	43.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA26083	1087.9	5.0	217.5	31.0	300.5	1.0	43.0	60.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA26084	180.0	3.0	60.0	39.0	60.0	3.0	39.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26085	198.2	3.0	66.0	39.0	91.4	1.0	55.0	87.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26086	146.6	13.0	11.2	15.0	25.0	1.0	35.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26087	151.5	6.0	25.2	24.0	55.0	2.0	52.0	40.0	20.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA26088	374.8	4.0	93.7	19.0	182.9	1.0	37.0	33.3	16.6	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA26089	341.9	5.0	68.3	24.0	107.4	3.0	38.0	25.0	25.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA26090	297.5	6.0	49.5	17.0	98.7	1.0	34.0	25.0	25.0	0.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0
HA26091	318.7	3.0	106.2	17.0	230.0	1.0	38.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26092	353.6	5.0	70.7	21.0	226.1	1.0	68.0	60.0	0.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA26093	266.2	3.0	88.7	37.0	88.7	3.0	37.0	20.0	20.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26094	1032.5	6.0	172.0	20.0	201.1	3.0	24.0	50.0	16.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA26096	303.1	4.0	75.7	38.0	97.9	2.0	49.0	0.0	50.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0
HA26098	524.4	3.0	174.8	38.0	174.8	3.0	38.0	71.4	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.196. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Sonora.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad S máx(mm)	Duración D máx(años)	I máx(mm/año)	% de I respecto a X _c	Intensidad I máx(mm/año)	Duración / máx D I máx(años)	% de I máx respecto a X _c	1 año (%)	2 años (%)	3 años (%)	4 años (%)	5 años (%)	6 años (%)	7 años (%)	8 años (%)	9 años (%)	10 años (%)
HA26099	793.4	3.0	264.4	37.0	349.7	1.0	49.0	20.0	20.0	40.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA26100	641.5	3.0	238.8	32.0	213.8	3.0	32.0	40.0	0.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA26101	411.8	3.0	137.2	22.0	226.1	1.0	36.0	50.0	12.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26102	598.4	3.0	199.4	39.0	199.4	3.0	39.0	16.6	50.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26103	364.7	3.0	121.5	46.0	121.5	3.0	46.0	16.6	33.3	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26106	756.3	4.0	189.0	32.0	247.7	1.0	42.0	71.4	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA26107	260.4	3.0	86.8	31.0	86.8	3.0	31.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26109	1690.7	6.0	281.7	31.0	621.2	1.0	68.0	44.4	33.3	11.1	0.0	0.0	11.1	0.0	0.0	0.0	0.0
HA26110	444.1	4.0	111.0	31.0	173.7	2.0	49.0	0.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA26115	419.9	3.0	139.9	31.0	164.6	1.0	37.0	40.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26116	481.7	4.0	120.4	35.0	120.4	4.0	35.0	25.0	25.0	0.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0
HA26117	788.7	5.0	157.7	30.0	157.7	5.0	30.0	50.0	16.6	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA26118	188.6	4.0	47.1	46.0	47.1	4.0	46.0	50.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26121	681.7	4.0	170.4	38.0	185.5	1.0	42.0	66.6	0.0	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0
HA26122	285.8	2.0	142.9	51.0	142.9	2.0	51.0	75.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26123	834.4	3.0	278.1	33.0	544.1	1.0	65.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26138	174.4	1.0	174.4	73.0	174.4	1.0	73.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26139	284.8	6.0	47.4	15.0	84.3	1.0	27.0	40.0	20.0	0.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0
HA26173	159.5	1.0	159.5	92.0	159.5	1.0	92.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26176	411.8	5.0	82.3	22.0	82.3	5.0	22.0	50.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0
HA26178	560.9	2.0	280.4	54.0	280.4	2.0	54.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26180	526.0	3.0	175.3	42.0	187.7	1.0	45.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26181	431.4	3.0	143.8	31.0	143.8	3.0	31.0	33.3	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26182	309.7	2.0	154.8	42.0	154.8	2.0	42.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26183	636.7	4.0	159.1	28.0	282.4	2.0	50.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA26184	495.1	3.0	165.0	29.0	165.0	3.0	29.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26185	442.1	4.0	110.5	20.0	110.5	4.0	20.0	80.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26186	667.3	4.0	166.8	32.0	166.8	4.0	32.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26192	318.2	4.0	79.5	30.0	79.5	4.0	30.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA26193	308.2	3.0	102.7	35.0	102.7	3.0	35.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26196	161.2	4.0	40.3	23.0	40.3	4.0	23.0	0.0	0.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA26197	501.8	4.0	125.4	41.0	125.4	4.0	41.0	0.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA26199	351.6	3.0	117.1	25.0	117.1	3.0	25.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA26200	358.6	2.0	179.3	36.0	179.3	2.0	36.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26201	427.1	2.0	213.5	42.0	213.5	2.0	42.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA26202	862.3	4.0	215.5	41.0	215.5	4.0	41.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.196. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Sonora.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes períodos de retorno (Tr)						Tr(años)	Lluvia mínima	Tr(años)
	Media	Mediana	Desv Stdt	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _p (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p min(mm)	H _p min
Aconchi	407.0	422.8	125.9	0.3	3.1	0.31	404.0	283.0	248.0	208.0	131.0	57.0	9.2	205.1	20.9
Agua Prieta	310.4	283.5	81.2	1.2	5.7	0.26	284.0	247.0	217.0	169.0	85.0	20.0	6.5	203.3	12.7
Alamos	609.7	622.2	142.7	0.1	2.7	0.23	595.0	475.0	430.0	385.0	321.0	264.0	17.1	337.0	40.1
Altar	412.4	360.0	194.1	1.9	7.2	0.47	360.0	282.0	227.0	166.0	88.0	0.0	6.4	176.0	18.0
Arivechi	530.5	510.1	96.1	0.6	4.4	0.18	522.0	453.0	409.0	366.0	309.0	264.0	16.9	332.0	34.5
Arizpe	484.5	464.6	156.0	0.7	5.4	0.32	449.0	384.0	310.0	182.0	0.0	0.0	15.0	168.6	21.3
Atlix	412.4	360.0	194.1	1.9	7.2	0.47	360.0	282.0	227.0	166.0	88.0	0.0	6.4	176.0	18.0
Bacadéhuachi	397.2	378.6	110.7	0.1	2.2	0.28	384.0	293.0	267.0	243.0	212.0	188.0	11.6	225.3	33.5
Bacanora	518.3	489.5	147.7	0.3	2.7	0.28	484.0	392.0	341.0	293.0	244.0	213.0	19.8	255.5	38.2
Bacerac	402.0	396.0	69.9	-0.1	3.5	0.17	397.0	345.0	313.0	283.0	244.0	213.0	19.8	255.5	38.2
Bacoachi	497.9	485.0	94.2	0.1	2.9	0.19	488.0	422.0	383.0	347.0	301.0	267.0	12.8	338.0	24.1
Bácum	367.1	338.1	103.2	0.7	3.6	0.28	346.0	288.0	253.0	219.0	172.0	134.0	10.9	209.4	24.0
Bañámichi	413.7	417.2	124.6	0.1	2.5	0.30	404.0	313.0	260.0	210.0	147.0	100.0	11.9	206.4	21.2
Baviácora	407.0	422.8	125.9	0.3	3.1	0.31	404.0	283.0	248.0	208.0	131.0	57.0	9.2	205.1	20.9
Bavispe	332.5	313.0	83.4	0.1	2.5	0.25	316.0	258.0	227.0	200.0	165.0	138.0	16.4	179.0	34.2
Benjamin Hill	473.6	458.3	149.6	0.5	3.9	0.32	446.0	369.0	319.0	266.0	185.0	112.0	41.0	139.0	78.3
Caborca	238.2	211.2	92.2	1.2	5.0	0.39	203.0	161.0	133.0	98.0	29.0	0.0	4.7	126.3	11.6
Cajeme	367.1	338.1	103.2	0.7	3.6	0.28	346.0	288.0	253.0	219.0	172.0	134.0	10.9	209.4	24.0
Cananea	406.1	396.0	186.2	1.6	9.8	0.46	396.0	291.0	221.0	154.0	66.0	0.0	16.3	73.6	46.3
Carbó	330.4	298.0	132.4	0.6	3.4	0.40	295.0	217.0	171.0	127.0	66.0	16.0	5.8	157.9	12.3
Colorada, La	425.5	423.8	100.2	0.4	3.3	0.24	417.0	359.0	322.0	288.0	243.0	209.0	17.3	256.0	38.1
Cucurpe	477.7	467.1	123.7	1.5	6.0	0.26	423.0	368.0	325.0	247.0	116.0	16.0	3.1	344.4	7.6
Cumpas	413.7	417.2	124.6	0.1	2.5	0.30	404.0	313.0	260.0	210.0	147.0	100.0	11.9	206.4	21.2
Divisaderos	459.6	474.6	114.5	0.2	2.9	0.25	452.0	375.0	328.0	283.0	223.0	177.0	13.5	269.0	24.7
Espalme	375.6	372.4	96.7	0.1	3.3	0.26	385.0	325.0	286.0	249.0	201.0	165.0	32.7	184.6	68.9
Etchojoa	282.5	285.1	109.2	1.3	5.8	0.39	273.0	204.0	159.0	116.0	60.0	19.0	9.3	119.4	19.0
Fronteras	497.9	485.0	94.2	0.1	2.9	0.19	488.0	422.0	383.0	347.0	301.0	267.0	12.8	338.0	24.1
Granados	397.2	378.6	110.7	0.1	2.2	0.28	384.0	293.0	267.0	243.0	212.0	188.0	11.6	225.3	33.5
Guaymas	375.6	372.4	96.7	0.1	3.3	0.26	385.0	325.0	286.0	249.0	201.0	165.0	32.7	184.6	68.9
Hermosillo	216.4	200.4	48.2	0.6	2.8	0.22	196.0	174.0	164.0	154.0	136.0	118.0	6.6	154.5	19.4
Huachinera	384.9	368.5	79.1	0.4	2.8	0.21	374.0	315.0	295.0	271.0	226.0	183.0	17.5	247.4	33.9
Huásabas	397.2	378.6	110.7	0.1	2.2	0.28	384.0	293.0	267.0	243.0	212.0	188.0	11.6	225.3	33.5
Huatatabampo	282.5	285.1	109.2	1.3	5.8	0.39	273.0	204.0	159.0	116.0	60.0	19.0	9.3	119.4	19.0
Huépac	413.7	417.2	124.6	0.1	2.5	0.30	404.0	313.0	260.0	210.0	147.0	100.0	11.9	206.4	21.2
Imuris	462.6	441.5	137.6	1.0	4.0	0.30	443.0	367.0	319.0	272.0	209.0	160.0	9.8	268.4	21.2
Magdalena	473.6	458.3	149.6	0.5	3.9	0.32	446.0	369.0	319.0	266.0	185.0	112.0	41.0	139.0	78.3

Tabla C.197. Características estadísticas de la lluvia anual de cada municipio del estado de Sonora. 16T

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes períodos de retorno (Tr)								Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para		
	$X_p(\text{mm})$	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p min(mm)	H _p min		
Mazatlán	527.2	513.0	103.4	1.3	6.2	0.20	451.1	359.7	299.2	241.2	166.0	109.7	1.8	423.8	2.6		
Moctezuma	416.7	425.5	103.1	0.1	2.3	0.25	340.9	249.8	189.4	131.6	56.6	0.5	2.8	272.8	3.9		
Naco	406.1	396.0	186.2	1.6	9.8	0.46	396.0	291.0	221.0	154.0	66.0	0.0	16.3	73.6	46.3		
Nacori Chico	530.7	501.0	121.9	1.2	4.8	0.23	501.0	445.0	408.0	369.0	308.0	247.0	13.6	339.9	31.8		
Nacozari de García	497.9	485.0	94.2	0.1	2.9	0.19	488.0	422.0	383.0	347.0	301.0	267.0	12.8	338.0	24.1		
Navojoa	421.1	396.5	140.0	0.6	3.3	0.33	381.0	299.0	252.0	204.0	135.0	74.0	8.9	205.2	19.8		
Nogales	462.6	441.5	137.6	1.0	4.0	0.30	443.0	367.0	319.0	272.0	209.0	160.0	9.8	268.4	21.2		
Onavas	517.7	462.0	182.2	1.7	7.6	0.35	479.0	396.0	335.0	257.0	96.0	0.0	9.8	250.0	21.0		
Opodepe	473.6	458.3	149.6	0.5	3.9	0.32	446.0	369.0	319.0	266.0	185.0	112.0	41.0	139.0	78.3		
Oquitoa	384.9	367.0	185.8	2.0	10.4	0.48	369.0	251.0	169.0	82.0	0.0	0.0	7.3	120.7	14.8		
Pitiquito	238.2	211.2	92.2	1.2	5.0	0.39	203.0	161.0	133.0	98.0	29.0	0.0	4.7	126.3	11.6		
Puerto Peñasco	208.4	185.2	93.6	1.7	7.9	0.45	191.0	145.0	113.0	76.0	8.0	0.0	7.6	83.7	17.5		
Quiriego	645.4	623.3	206.2	0.1	5.1	0.32	628.0	485.0	377.0	253.0	63.0	0.0	25.7	100.5	42.1		
Rayón	459.5	435.0	162.2	0.7	4.1	0.35	432.0	324.0	260.0	197.0	113.0	45.0	5.3	264.2	9.5		
Rosario	517.7	462.0	182.2	1.7	7.6	0.35	479.0	396.0	335.0	257.0	96.0	0.0	9.8	250.0	21.0		
Sahuaripa	521.7	478.3	156.5	2.1	10.3	0.30	495.0	387.0	308.0	218.0	60.0	0.0	3.9	335.3	7.9		
San Felipe de Jesús	406.2	407.6	136.9	0.1	2.4	0.34	410.0	280.0	238.0	201.0	154.0	118.0	16.2	167.5	38.3		
San Javier	691.7	721.0	240.5	1.4	8.7	0.35	666.0	401.0	189.0	0.0	0.0	0.0	4.3	311.0	6.9		
San Luis Río Colorado	73.0	71.1	25.7	0.6	2.9	0.35	69.0	52.0	42.0	33.0	21.0	12.0	8.4	35.0	16.9		
San Miguel de Horcasitas	305.2	309.9	92.8	0.6	3.3	0.30	275.0	220.0	197.0	165.0	98.0	40.0	6.3	180.9	14.9		
San Pedro de la Cueva	486.1	474.0	125.7	1.9	11.0	0.26	481.0	384.0	316.0	242.0	116.0	0.0	7.8	269.4	15.6		
Santa Ana	280.6	247.5	120.5	0.9	4.0	0.43	240.0	184.0	149.0	114.0	61.0	12.0	4.8	143.5	11.3		
Santa Cruz	462.6	441.5	137.6	1.0	4.0	0.30	443.0	367.0	319.0	272.0	209.0	160.0	9.8	268.4	21.2		
Sáric	412.4	360.0	194.1	1.9	7.2	0.47	360.0	282.0	227.0	166.0	58.0	0.0	6.4	176.0	18.0		
Soyopa	586.5	531.3	192.8	1.1	4.6	0.33	520.0	428.0	357.0	251.0	64.0	0.0	8.4	301.5	14.9		
Suaqui Grande	517.7	462.0	182.2	1.7	7.6	0.35	479.0	396.0	335.0	257.0	96.0	0.0	9.8	250.0	21.0		
Tepache	523.5	516.6	219.8	-0.6	4.0	0.42	361.7	167.4	38.7	0.0	0.0	0.0	4.1	143.0	5.7		
Trincheras	304.5	292.9	133.2	1.5	7.6	0.44	281.0	205.0	154.0	99.0	16.0	0.0	8.6	103.1	19.1		
Tubutama	412.4	360.0	194.1	1.9	7.2	0.47	360.0	282.0	227.0	166.0	58.0	0.0	6.4	176.0	18.0		
Ures	453.2	425.1	160.5	1.6	6.9	0.35	429.0	355.0	298.0	224.0	62.0	0.0	7.2	259.1	14.9		
Villa Hidalgo	384.9	368.5	79.1	0.4	2.8	0.21	374.0	315.0	295.0	271.0	226.0	183.0	17.5	247.4	33.9		
Villa Pesqueira	527.2	513.0	103.4	1.3	6.2	0.20	451.1	359.7	299.2	241.2	166.0	109.7	1.8	423.8	2.6		
Yécora	903.2	831.5	465.5	0.9	4.4	0.52	892.0	565.0	354.0	152.0	0.0	0.0	10.0	168.9	18.9		
General Plutarco Elias Calles	208.4	185.2	93.6	1.7	7.9	0.45	191.0	145.0	113.0	76.0	8.0	0.0	7.6	83.7	17.5		
Estatad	447.6	421.8	117.7	2.0	10.5	0.26	433.0	364.0	317.0	269.0	197.0	131.0	6.1	289.2	15.1		

Tabla C.197. Características estadísticas de la lluvia anual de cada municipio del estado de Sonora.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1 Hp(mm)	2 Hp(mm)	3 Hp(mm)	4 Hp(mm)	5 Hp(mm)	6 Hp(mm)	7 Hp(mm)	8 Hp(mm)	9 Hp(mm)	10 Hp(mm)	1 (%)	2 (%)	3 (%)	4 (%)	5 (%)	6 (%)	7 (%)	8 (%)	9 (%)	10 (%)
Aconchi	252.9	300.7	348.5	396.3	444.1	491.8	539.6	587.4	635.2	683.0	4.5	22.7	13.6	4.5	13.6	13.6	18.1	0.0	4.5	4.5
Agua Prieta	237.1	270.9	304.8	338.6	372.4	406.2	440.0	473.9	507.7	541.5	18.1	9.0	31.8	9.0	18.1	4.5	0.0	4.5	0.0	4.5
Alamos	395.5	453.9	512.4	570.8	629.3	687.8	746.2	804.7	863.1	921.6	3.4	6.8	20.6	17.2	3.4	13.7	17.2	13.7	0.0	3.4
Altar	261.8	347.5	433.3	519.0	604.8	690.5	776.3	862.0	947.8	1033.5	10.3	31.0	37.9	3.4	6.8	0.0	0.0	3.4	3.4	3.4
Arivechi	376.1	420.2	464.3	508.4	552.5	596.6	640.7	684.8	728.9	773.0	3.7	3.7	13.5	22.2	18.5	14.8	7.4	3.7	3.7	3.7
Arizpe	239.6	310.6	381.6	452.6	523.6	594.5	665.5	736.5	807.5	878.5	5.2	0.0	10.5	26.3	31.5	5.2	10.5	0.0	5.2	5.2
Atil	261.8	347.5	433.3	519.0	604.8	690.5	776.3	862.0	947.8	1033.5	10.3	31.0	37.9	3.4	6.8	0.0	0.0	3.4	3.4	3.4
Bacadéhuachi	261.5	297.6	333.8	370.0	406.2	442.3	478.5	514.7	550.8	587.0	4.7	23.8	9.5	9.5	4.7	9.5	4.7	19.0	4.7	9.5
Bacanora	337.0	385.9	434.8	483.7	532.6	581.4	630.3	679.2	728.1	777.0	9.0	13.6	4.5	22.7	13.6	4.5	4.5	4.5	13.6	9.0
Bacerrac	283.8	312.1	340.4	368.7	397.0	425.3	453.6	481.9	510.2	538.5	4.7	4.7	19.0	19.0	14.2	4.7	9.5	14.2	4.7	4.7
Bacoachi	370.3	402.6	434.9	467.2	499.5	531.8	564.1	596.4	628.7	661.0	5.8	17.6	0.0	17.6	17.6	11.7	0.0	5.8	17.6	5.8
Bacum	248.7	288.0	327.3	366.6	405.8	445.1	484.4	523.7	563.0	602.3	13.0	8.6	17.3	17.3	13.0	4.3	13.0	4.3	0.0	8.6
Banámichi	247.3	288.1	329.0	369.8	410.7	451.6	492.4	533.3	574.1	615.0	4.5	13.6	13.6	9.0	9.0	13.6	9.0	0.0	18.1	9.0
Baviácora	252.9	300.7	348.5	396.3	444.1	491.8	539.6	587.4	635.2	683.0	4.5	22.7	13.6	4.5	13.6	13.6	18.1	0.0	4.5	4.5
Bavispe	207.6	236.1	264.7	293.2	321.8	350.3	378.9	407.4	436.0	464.5	4.7	9.5	9.5	9.5	19.0	4.7	4.7	9.5	14.2	14.2
Benjamin Hill	204.1	269.2	334.3	399.4	464.5	529.6	594.7	659.8	724.9	790.0	3.5	0.0	10.7	17.8	21.4	17.8	10.7	3.5	3.5	10.7
Caborca	163.0	199.7	236.4	273.1	309.8	346.4	383.1	419.8	456.5	493.2	18.1	22.7	13.6	9.0	4.5	9.0	0.0	0.0	4.5	4.5
Cajeme	248.7	288.0	327.3	366.6	405.8	445.1	484.4	523.7	563.0	602.3	13.0	8.6	17.3	17.3	13.0	4.3	13.0	4.3	0.0	8.6
Cananea	174.1	274.6	375.1	475.6	576.2	676.7	777.2	877.7	978.2	1078.7	7.4	11.1	22.2	40.7	11.1	0.0	3.7	0.0	0.0	3.7
Carbó	206.3	254.7	303.2	351.6	400.0	448.4	496.8	545.3	593.7	642.1	22.7	9.0	13.6	4.5	9.0	9.0	9.0	0.0	4.5	4.5
Colorada, La	294.7	333.4	372.1	410.8	449.5	488.2	526.9	565.6	604.3	643.0	7.4	7.4	22.2	11.1	14.8	14.8	3.7	7.4	7.4	3.7
Cucurpe	392.2	440.1	487.9	535.7	583.6	631.4	679.2	727.0	774.9	822.7	28.5	19.0	23.8	9.5	4.7	0.0	0.0	9.5	0.0	4.7
Cumpas	247.3	288.1	329.0	369.8	410.7	451.6	492.4	533.3	574.1	615.0	4.5	13.6	13.6	9.0	9.0	13.6	9.0	0.0	18.1	9.0
Divisaderos	308.3	347.5	386.8	426.0	465.3	504.5	543.8	583.0	622.3	661.5	5.2	15.7	5.2	15.7	5.2	26.3	0.0	10.5	5.2	10.5
Espalme	223.3	262.0	300.6	339.3	378.0	416.7	455.4	494.0	532.7	571.4	3.7	7.4	11.1	7.4	22.2	11.1	22.2	3.7	3.7	7.4
Etchojoa	163.5	207.6	251.7	295.8	339.9	383.9	428.0	472.1	516.2	560.3	8.6	13.0	26.0	8.6	26.0	8.6	0.0	0.0	0.0	8.6
Fronteras	370.3	402.6	434.9	467.2	499.5	531.8	564.1	596.4	628.7	661.0	5.8	17.6	0.0	17.6	17.6	11.7	0.0	5.8	17.6	5.8
Granados	261.5	297.6	333.8	370.0	406.2	442.3	478.5	514.7	550.8	587.0	4.7	23.8	9.5	9.5	4.7	9.5	4.7	19.0	4.7	9.5
Guaymas	223.3	262.0	300.6	339.3	378.0	416.7	455.4	494.0	532.7	571.4	3.7	7.4	11.1	7.4	22.2	11.1	22.2	3.7	3.7	7.4
Hermosillo	170.4	186.2	202.1	218.0	233.9	249.7	265.6	281.5	297.3	313.2	18.1	18.1	13.6	9.0	4.5	4.5	9.0	9.0	4.5	4.5
Huachinera	276.6	305.9	335.1	364.4	393.6	422.8	452.1	481.3	510.6	539.8	4.0	8.0	20.0	16.0	8.0	16.0	4.0	8.0	8.0	8.0
Huásabas	261.5	297.6	333.8	370.0	406.2	442.3	478.5	514.7	550.8	587.0	4.7	23.8	9.5	9.5	4.7	9.5	4.7	19.0	4.7	9.5
Huatabampo	163.5	207.6	251.7	295.8	339.9	383.9	428.0	472.1	516.2	560.3	8.6	13.0	26.0	8.6	26.0	8.6	0.0	0.0	0.0	8.6
Huépac	247.3	288.1	329.0	369.8	410.7	451.6	492.4	533.3	574.1	615.0	4.5	13.6	13.6	9.0	9.0	13.6	9.0	0.0	18.1	9.0
Imuris	320.6	372.7	424.9	477.0	529.2	581.4	633.5	685.7	737.8	790.0	7.1	17.8	21.4	14.2	17.8	7.1	0.0	0.0	7.1	7.1
Magdalena	204.1	269.2	334.3	399.4	464.5	529.6	594.7	659.8	724.9	790.0	3.5	0.0	10.7	17.8	21.4	17.8	10.7	3.5	3.5	10.7

Tabla C.198. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Sonora.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
Mazatlan	463.2	502.5	541.9	581.3	620.7	660.0	699.4	738.8	778.1	817.5	38.8	11.1	11.1	11.1	11.1	0.0	0.0	0.0	5.5	
Moctezuma	304.0	335.2	366.5	397.7	428.9	460.1	491.3	522.6	553.8	585.0	18.1	13.6	4.5	4.5	13.6	9.0	9.0	9.0	18.1	
Naco	174.1	274.6	375.1	475.6	576.2	676.7	777.2	877.7	978.2	1078.7	7.4	11.1	22.2	40.7	11.1	0.0	3.7	0.0	3.7	
Nácori Chico	391.2	442.5	493.8	545.1	596.5	647.8	699.1	750.4	801.7	853.0	10.0	16.6	20.0	23.3	6.6	6.6	10.0	0.0	6.6	
Nacozari de Garcia	370.3	402.6	434.9	467.2	499.5	531.8	564.1	596.4	628.7	661.0	5.8	17.6	0.0	17.6	17.6	11.7	0.0	5.8	17.6	
Navojua	260.0	314.8	369.6	424.4	479.2	533.9	588.7	643.5	698.3	753.1	8.0	20.0	20.0	12.0	8.0	4.0	16.0	4.0	4.0	
Nogales	320.6	372.7	424.9	477.0	529.2	581.4	633.5	685.7	737.8	790.0	7.1	17.8	21.4	14.2	17.8	7.1	0.0	0.0	7.1	
Onavas	336.3	422.6	508.9	595.2	681.5	767.8	854.1	940.4	1026.7	1113.0	8.0	20.0	32.0	16.0	12.0	0.0	8.0	0.0	4.0	
Opodepe	204.1	269.2	334.3	399.4	464.5	529.6	594.7	659.8	724.9	790.0	3.5	0.0	10.7	17.8	21.4	17.8	10.7	3.5	10.7	
Oquitoa	206.0	291.4	376.7	462.0	547.4	632.7	718.0	803.3	888.7	974.0	5.8	29.4	23.5	17.6	17.6	0.0	0.0	0.0	5.8	
Pitiquito	163.0	199.7	236.4	273.1	309.8	346.4	383.1	419.8	456.5	493.2	18.1	22.7	18.1	13.6	9.0	4.5	9.0	0.0	4.5	
Puerto Peñasco	126.1	168.5	210.9	253.3	295.8	338.2	380.6	423.0	465.4	507.8	13.6	27.2	18.1	22.7	0.0	9.0	4.5	0.0	4.5	
Quiriego	204.0	307.5	411.0	514.5	618.0	721.4	824.9	928.4	1031.9	1135.4	3.5	0.0	3.5	14.2	28.5	17.8	14.2	10.7	7.1	
Rayón	318.6	373.1	427.5	482.0	536.4	590.8	645.3	699.7	754.2	808.6	28.5	0.0	21.4	14.2	7.1	7.1	7.1	0.0	7.1	
Rosario	336.3	422.6	508.9	595.2	681.5	767.8	854.1	940.4	1026.7	1113.0	8.0	20.0	32.0	16.0	12.0	0.0	8.0	0.0	4.0	
Sahuaripa	414.1	492.9	571.7	650.5	729.3	808.1	886.9	965.7	1044.5	1123.3	20.0	34.0	23.3	13.3	6.6	3.3	0.0	0.0	3.3	
San Felipe de Jesús	212.3	257.0	301.8	346.5	391.3	436.0	480.8	525.5	570.3	615.0	4.5	13.6	4.5	18.1	9.0	4.5	18.1	0.0	13.6	
San Javier	433.8	556.6	679.4	802.2	925.0	1047.8	1170.6	1293.4	1416.2	1539.0	11.1	14.5	14.8	29.6	18.5	3.7	0.0	0.0	3.7	
San Luis Rio Colorado	44.5	54.1	63.6	73.1	82.7	92.2	101.7	111.2	120.8	130.3	10.3	20.6	6.8	20.6	13.7	3.4	6.8	6.8	3.4	
San Miguel de Horcasitas	212.8	244.6	276.5	308.3	340.2	372.1	403.9	435.8	467.6	499.5	13.6	27.2	4.5	4.5	22.7	4.5	9.0	4.5	9.0	
San Pedro de la Cueva	340.0	410.6	481.2	551.8	622.5	693.1	763.7	834.3	904.9	975.5	6.6	13.3	30.0	33.3	6.6	6.6	0.0	0.0	3.3	
Santa Ana	185.5	227.5	269.5	311.5	353.5	395.5	437.5	479.5	521.5	563.5	27.7	16.6	16.6	5.5	5.5	5.5	11.1	5.5	5.5	
Santa Cruz	320.6	372.7	424.9	477.0	529.2	581.4	633.5	685.7	737.8	790.0	7.1	17.8	21.4	14.2	17.8	7.1	0.0	0.0	7.1	
Satic	261.8	347.5	433.3	519.0	604.8	690.5	776.3	862.0	947.8	1033.5	10.3	31.0	37.9	3.4	6.8	0.0	0.0	3.4	3.4	
Soyopa	376.7	451.9	527.1	602.3	677.6	752.8	828.0	903.2	978.4	1053.6	10.0	10.0	26.6	10.0	23.3	6.6	3.3	0.0	10.0	
Suaqui Grande	336.3	422.6	508.9	595.2	681.5	767.8	854.1	940.4	1026.7	1113.0	8.0	20.0	32.0	16.0	12.0	0.0	8.0	0.0	4.0	
Tepache	206.0	269.0	331.9	394.9	457.9	520.9	583.9	646.8	709.8	772.8	18.1	0.0	0.0	9.0	0.0	27.2	9.0	0.0	27.2	
Trincheras	165.3	227.6	289.8	352.1	414.3	476.5	538.8	601.0	663.3	725.5	9.0	13.6	27.2	27.2	4.5	13.6	0.0	0.0	4.5	
Tubutama	261.8	347.5	433.3	519.0	604.8	690.5	776.3	862.0	947.8	1033.5	10.3	31.0	37.9	3.4	6.8	0.0	0.0	3.4	3.4	
Ures	326.1	393.1	460.1	527.1	594.1	661.0	728.0	795.0	862.0	929.0	22.7	9.0	31.8	18.1	4.5	4.5	0.0	4.5	4.5	
Villa Hidaigo	276.6	305.9	335.1	364.4	393.6	422.8	452.1	481.3	510.6	539.8	4.0	8.0	20.0	16.0	8.0	8.0	16.0	4.0	8.0	
Villa Pesqueira	463.2	502.5	541.9	581.3	620.7	660.0	699.4	738.8	778.1	817.5	38.8	11.1	11.1	11.1	11.1	0.0	0.0	0.0	5.5	
Yécora	352.6	536.3	720.0	903.7	1087.5	1271.2	1454.9	1638.6	1822.3	2006.0	13.3	6.6	10.0	33.3	10.0	10.0	6.6	0.0	10.0	
General Plutarco Elias Calles	126.1	168.5	210.9	253.3	295.8	338.2	380.6	423.0	465.4	507.8	13.6	27.2	18.1	22.7	0.0	9.0	4.5	0.0	4.5	
Estatad	350.6	411.9	473.3	534.6	596.0	657.3	718.7	780.0	841.4	902.7	16.6	16.6	36.6	16.6	10.0	0.0	0.0	0.0	3.3	

Tabla C.198. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Sonora.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	Nuvia disponible			
	Per(S/años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c	Hp disp S(mm)	Hp disp S(mm)		
Aconchi	4.7	3.6	1.9	1.5	230.1	116.4	121.1	29.0	285.9	4.7	VASTA	
Agua Prieta	5.2	2.5	2.6	1.4	137.2	116.4	52.7	16.0	257.6	3.8	MUY SEVERA	
Alamos	3.1	1.3	1.5	0.6	197.7	119.5	131.8	21.0	477.9	4.8	VASTA	
Altar	4.3	1.3	2.7	0.8	269.6	158.4	99.8	24.0	312.5	3.4	MUY VASTA	
Arivechi	3.6	1.1	2.0	0.9	141.9	48.4	70.9	13.0	459.5	4.5	MUY SEVERA	
Arizpe	4.5	3.2	2.6	2.7	209.4	311.4	80.5	16.0	404.0	3.8	MUY SEVERA	
Atil	4.3	1.3	2.7	0.8	269.6	158.4	99.8	24.0	312.5	3.4	MUY VASTA	
Bacadéhuachi	3.8	1.4	1.8	1.0	173.1	129.9	96.1	24.0	301.0	4.1	VASTA	
Bacanora	5.2	1.9	2.8	1.5	266.9	278.2	95.3	18.0	423.0	3.5	MUY SEVERA	
Bacerae	3.5	0.8	2.1	1.1	116.4	100.2	55.4	13.0	346.6	4.8	MUY SEVERA	
Bacoachi	3.3	1.2	2.5	1.1	163.1	20.8	65.2	13.0	432.6	4.2	MUY SEVERA	
Bácum	3.6	0.9	2.0	0.7	133.7	108.4	66.8	18.0	300.3	4.0	MUY SEVERA	
Banámichi	6.3	3.3	2.7	1.9	282.8	172.9	104.7	25.0	309.0	5.2	MUY VASTA	
Baviácora	4.7	3.6	1.9	1.5	230.1	116.4	121.1	29.0	285.9	4.7	VASTA	
Bavispe	4.0	1.8	2.3	1.8	150.4	177.1	65.3	19.0	267.1	4.1	MUY SEVERA	
Benjamin Hill	3.9	1.5	2.1	1.3	222.8	177.4	106.0	22.0	367.6	5.1	MUY VASTA	
Caborca	4.2	1.4	2.6	1.0	157.5	73.4	60.5	25.0	177.7	3.2	MUY VASTA	
Cajeme	3.6	0.9	2.0	0.7	133.7	108.4	66.8	18.0	300.3	4.0	MUY SEVERA	
Cananea	5.7	1.0	2.7	2.2	318.7	277.8	118.0	29.0	288.0	5.1	MUY VASTA	
Carbó	5.2	2.3	2.8	1.8	237.4	171.8	84.7	25.0	245.7	3.4	MUY VASTA	
Colorada, La	3.2	1.2	1.7	1.0	132.0	158.2	77.6	18.0	347.8	6.1	SEVERA	
Cucurpe	4.5	3.2	2.8	3.1	181.9	256.5	64.9	13.0	412.7	2.2	MUY SEVERA	
Cumpas	6.3	3.3	2.7	1.9	282.8	172.9	104.7	25.0	309.0	5.2	MUY VASTA	
Divisaderos	3.2	0.7	1.5	0.7	146.6	104.4	97.7	21.0	361.9	6.0	VASTA	
Espalme	5.0	2.0	2.3	1.1	170.4	70.6	74.0	19.0	301.6	7.5	MUY SEVERA	
Etchojoa	6.0	2.8	2.7	1.0	223.4	131.7	82.7	29.0	199.8	5.3	MUY VASTA	
Fronteras	3.3	1.2	2.5	1.1	163.1	20.8	65.2	13.0	432.6	4.2	MUY SEVERA	
Granados	3.8	1.4	1.8	1.0	173.1	129.9	96.1	24.0	301.0	4.1	VASTA	
Guaymas	5.0	2.0	2.3	1.1	170.4	70.6	74.0	19.0	301.6	7.5	MUY SEVERA	
Hermosillo	3.8	2.2	2.0	1.1	74.2	50.4	37.0	17.0	179.8	3.7	MUY SEVERA	
Huachinera	3.5	2.1	1.8	1.7	119.2	124.0	66.2	17.0	318.7	4.4	SEVERA	
Huásabas	3.8	1.4	1.8	1.0	173.1	129.9	96.1	24.0	301.0	4.1	VASTA	
Hualabampo	6.0	2.8	2.7	1.0	223.4	131.7	82.7	29.0	199.8	5.3	MUY VASTA	
Huépac	6.3	3.3	2.7	1.9	282.8	172.9	104.7	25.0	309.0	5.2	MUY VASTA	
Imuris	4.0	1.9	2.1	1.1	204.5	135.3	97.3	21.0	365.2	5.2	MUY VASTA	
Magdalena	3.9	1.5	2.1	1.3	222.8	177.4	106.0	22.0	367.6	5.1	MUY VASTA	

Tabla C.199. Características de la sequía promedio de cada municipio del estado de Sonora.

Municipio	Características promedio de la sequía meteorológica municipal									Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	lluvia disponible		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	Hp disp S(mm)		
Mazatlán	3.0	1.0	1.8	1.1	145.6	82.5	80.8	15.0	446.3	2.1	SEVERA
Moctezuma	4.7	1.0	1.7	1.1	190.6	130.4	112.1	26.0	304.6	2.8	VASTA
Naco	5.7	1.0	2.7	2.2	318.7	277.8	118.0	29.0	288.0	5.1	MUY VASTA
Nácori Chico	3.9	1.8	2.3	1.5	170.3	108.8	74.0	13.0	456.6	4.0	MUY SEVERA
Nacozeni de García	3.3	1.2	2.5	1.1	163.1	20.8	65.2	13.0	432.6	4.2	MUY SEVERA
Navojoa	4.6	2.9	2.5	2.1	240.0	272.1	96.0	22.0	325.0	3.5	MUY VASTA
Nogales	4.0	1.9	2.1	1.1	204.5	135.3	97.3	21.0	365.2	5.2	MUY VASTA
Onavas	3.7	3.1	2.4	2.9	266.5	353.4	111.0	21.0	406.7	4.4	MUY VASTA
Opodepe	3.9	1.5	2.1	1.3	222.8	177.4	106.0	22.0	367.6	5.1	MUY VASTA
Oquitoa	5.3	0.9	2.5	1.5	252.3	146.0	100.9	26.0	283.9	3.8	MUY VASTA
Pitiquito	4.2	1.4	2.6	1.0	157.5	73.4	60.5	25.0	177.7	3.2	MUY VASTA
Puerto Peñasco	4.0	1.6	2.1	1.0	118.3	82.7	56.3	27.0	152.1	4.3	MUY VASTA
Quiriego	4.1	1.9	2.1	0.9	303.1	280.8	144.3	22.0	501.1	4.5	MUY VASTA
Rayón	5.5	0.5	2.3	0.9	301.8	167.8	131.2	28.0	328.2	4.8	MUY VASTA
Rosario	3.7	3.1	2.4	2.9	266.5	353.4	111.0	21.0	406.7	4.4	MUY VASTA
Sahuaripa	4.3	2.0	2.5	1.6	236.1	170.3	94.4	18.0	427.3	3.5	MUY SEVERA
San Felipe de Jesús	6.3	3.3	2.7	1.9	321.5	162.9	119.0	29.0	287.2	4.5	MUY VASTA
San Javier	6.5	2.6	2.4	1.7	447.0	391.3	186.2	26.0	505.5	3.0	MUY VASTA
San Luis Río Colorado	4.0	1.6	2.1	1.6	36.7	55.5	17.4	23.0	55.5	4.0	MUY VASTA
San Miguel de Horcasitas	4.5	1.6	2.2	1.1	165.0	81.0	75.0	24.0	230.2	3.6	MUY VASTA
San Pedro de la Cueva	4.2	1.6	2.5	1.7	203.2	196.7	81.2	16.0	404.8	4.1	MUY SEVERA
Santa Ana	5.3	0.9	2.7	1.4	219.5	130.3	81.2	28.0	199.3	3.7	MUY VASTA
Santa Cruz	4.0	1.9	2.1	1.1	204.5	135.3	97.3	21.0	365.2	5.2	MUY VASTA
Sáric	4.3	1.3	2.7	0.8	269.6	158.4	99.8	24.0	312.5	3.4	MUY VASTA
Soyopa	4.7	1.1	2.6	1.4	360.2	218.1	138.5	23.0	448.0	4.0	MUY VASTA
Suaqui Grande	3.7	3.1	2.4	2.9	266.5	353.4	111.0	21.0	406.7	4.4	MUY VASTA
Tepache	4.0	1.0	1.9	1.4	304.7	394.2	160.3	30.0	363.1	2.0	VASTA
Trincheras	4.7	1.2	2.7	0.7	201.5	121.4	74.6	24.0	229.8	3.6	MUY VASTA
Tubutama	4.3	1.3	2.7	0.8	269.6	158.4	99.8	24.0	312.5	3.4	MUY VASTA
Ures	4.2	1.7	2.7	1.6	245.2	185.1	90.8	20.0	362.4	4.6	MUY SEVERA
Villa Hidalgo	3.5	2.1	1.8	1.7	119.2	124.0	66.2	17.0	318.7	4.4	SEVERA
Villa Pesqueira	3.0	1.0	1.8	1.1	145.6	82.5	80.8	15.0	446.3	2.1	SEVERA
Yécora	3.0	0.7	2.1	1.5	557.0	495.0	265.2	29.0	638.0	4.0	MUY VASTA
General Plutarco Elias Calles	4.0	1.6	2.1	1.0	118.3	82.7	56.3	27.0	152.1	4.3	MUY VASTA
Estatad	4.5	2.1	2.6	1.4	198.1	133.4	76.1	17.0	371.4	4.5	MUY SEVERA

Tabla C.199. Características de la sequía promedio de cada municipio del estado de Sonora.

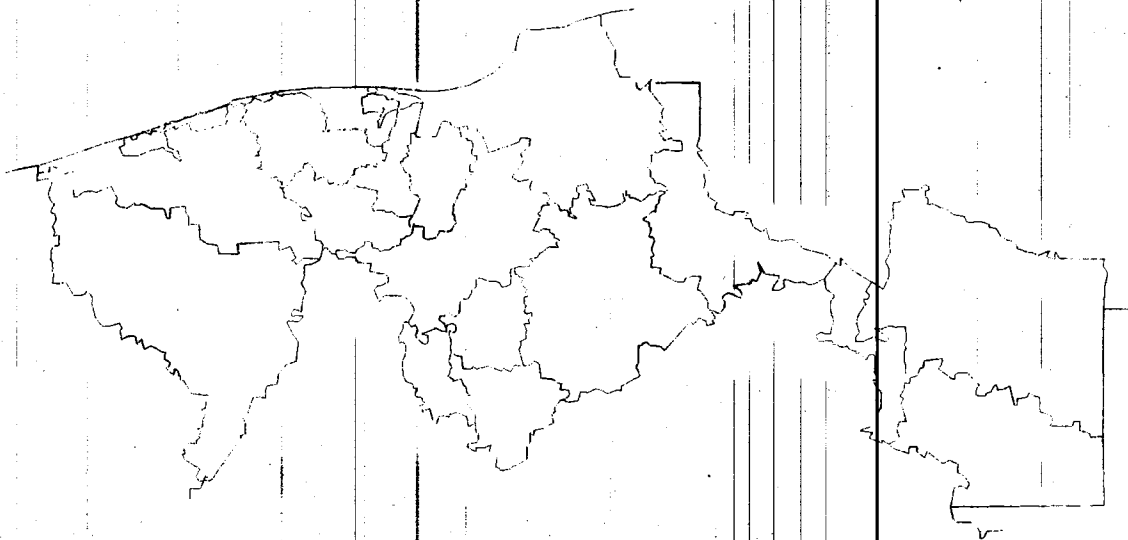
Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = Smáx/Dmáx$	% de I'	Intensidad	Duración / máx	% de / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S máx(mm)$	$D máx(años)$	$I'(mm/año)$	respecto a X_c	$I máx(mm/año)$	$D / máx(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Aconchi	437.1	5.0	87.4	21.0	201.9	1.0	49.0	60.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Agua Prieta	343.7	5.0	68.7	22.0	68.7	5.0	22.0	40.0	0.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Alamos	448.9	2.0	224.4	36.0	224.4	2.0	36.0	55.5	33.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Altar	580.4	4.0	145.1	35.0	145.1	4.0	35.0	14.2	14.2	57.1	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Arivechi	198.4	1.0	198.4	37.0	198.4	1.0	37.0	42.8	14.2	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arizpe	821.8	8.0	102.7	21.0	102.7	8.0	21.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Átil	580.4	4.0	145.1	35.0	145.1	4.0	35.0	14.2	14.2	57.1	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Bacadéhuachi	373.5	4.0	93.3	23.0	138.8	2.0	34.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Bacanora	772.8	5.0	154.5	29.0	154.5	5.0	29.0	40.0	0.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
Bacerac	303.3	4.0	75.8	18.0	75.8	4.0	18.0	40.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Bacoachi	195.5	4.0	48.8	9.0	159.8	1.0	32.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Bácum	286.4	2.0	143.2	39.0	143.2	2.0	39.0	28.5	42.8	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Banámichi	548.9	6.0	91.4	22.0	161.2	1.0	38.0	25.0	50.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
Baviácora	437.1	5.0	87.4	21.0	201.9	1.0	49.0	60.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Bavispe	481.3	6.0	80.2	24.0	94.9	2.0	28.0	40.0	40.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
Benjamín Hill	570.4	5.0	114.0	24.0	145.6	2.0	30.0	42.8	28.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Caborca	266.2	3.0	88.7	37.0	88.7	3.0	37.0	20.0	20.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Cajeme	286.4	2.0	143.2	39.0	143.2	2.0	39.0	28.5	42.8	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cananea	784.9	5.0	156.9	38.0	332.4	1.0	81.0	80.0	0.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0
Carbó	499.7	6.0	83.2	25.0	147.4	1.0	44.0	40.0	0.0	40.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
Colorada, La	522.7	4.0	130.6	30.0	130.6	4.0	30.0	62.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Cucurpe	680.1	9.0	75.5	15.0	85.1	2.0	17.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0
Cumpas	548.9	6.0	91.4	22.0	161.2	1.0	38.0	25.0	50.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
Divisaderos	306.5	2.0	153.2	33.0	153.2	2.0	33.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Espalme	261.7	3.0	87.2	23.0	141.1	1.0	37.0	33.3	16.6	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Etchojoa	449.1	4.0	112.2	39.0	117.5	1.0	41.0	25.0	0.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Fronteras	195.5	4.0	48.8	9.0	159.8	1.0	32.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Granados	373.5	4.0	93.3	23.0	138.8	2.0	34.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Guaymas	261.7	3.0	87.2	23.0	141.1	1.0	37.0	33.3	16.6	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Hermosillo	168.5	4.0	42.1	19.0	47.1	2.0	21.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Huachinera	411.1	6.0	68.5	17.0	97.6	1.0	25.0	71.4	14.2	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Huásabas	373.5	4.0	93.3	23.0	138.8	2.0	34.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Huatábampo	449.1	4.0	112.2	39.0	117.5	1.0	41.0	25.0	0.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Huépac	548.9	6.0	91.4	22.0	161.2	1.0	38.0	25.0	50.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
Imuris	363.0	4.0	90.7	19.0	134.5	2.0	29.0	42.8	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Magdalena	570.4	5.0	114.0	24.0	145.6	2.0	30.0	42.8	28.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0

Tabla C.200. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Sonora.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^m =S _{máx} /D _{máx}	% de I ^m	Intensidad	Duración / máx.	% de I ^{máx}	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S _{máx} (mm)	D _{máx} (años)	I ^m (mm/año)	respecto a X _c	I ^{máx} (mm/año)	D _{máx} (años)	respecto a X _c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Mazatlán	304.8	4.0	76.2	14.0	103.4	1.0	19.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Moctezuma	400.6	4.0	100.1	24.0	138.4	2.0	33.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Naco	784.9	5.0	156.9	38.0	332.4	1.0	81.0	60.0	0.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0
Nácori Chico	318.4	4.0	79.6	15.0	140.1	1.0	26.0	50.0	12.5	0.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0
Nacozari de G	195.5	4.0	48.8	9.0	159.8	1.0	32.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Navojoa	827.7	7.0	118.2	28.0	122.5	2.0	29.0	50.0	16.6	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Nogales	363.0	4.0	90.7	19.0	134.5	2.0	29.0	42.8	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Onavas	1040.8	9.0	115.6	22.0	141.7	1.0	27.0	66.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0
Opodepe	570.4	5.0	114.0	24.0	145.6	2.0	30.0	42.8	28.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Oquitoa	406.3	4.0	101.5	26.0	147.8	1.0	38.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
Pitiquito	266.2	3.0	88.7	37.0	88.7	3.0	37.0	20.0	20.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Pto Peñasco	236.9	2.0	118.4	56.0	118.4	2.0	56.0	33.3	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Quiriego	902.4	4.0	225.6	34.0	233.8	2.0	36.0	28.5	42.8	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Rayón	431.4	3.0	143.8	31.0	143.8	3.0	31.0	33.3	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rosario	1040.8	9.0	115.6	22.0	141.7	1.0	27.0	66.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0
Sahuaripa	518.7	5.0	103.7	19.0	186.4	1.0	35.0	42.8	14.2	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0
Sn Fpe Jesús	575.9	6.0	96.0	23.0	173.6	2.0	42.0	25.0	50.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0
Sn Javier	1087.9	5.0	217.5	31.0	300.5	1.0	43.0	60.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
Sn L Río C.	178.6	6.0	29.7	40.0	29.7	6.0	40.0	50.0	25.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
S M Horcasitas	292.6	4.0	73.1	23.0	119.9	1.0	39.0	40.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Sn P Cueva	604.2	6.0	100.7	20.0	133.8	2.0	27.0	33.3	33.3	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Sta Ana	341.9	5.0	68.3	24.0	107.4	3.0	38.0	25.0	25.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
Santa Cruz	363.0	4.0	90.7	19.0	134.5	2.0	29.0	42.8	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Sáric	580.4	4.0	145.1	35.0	145.1	4.0	35.0	14.2	14.2	57.1	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Soyopa	663.1	5.0	132.6	22.0	191.4	1.0	32.0	33.3	16.6	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0
Suaqui Grande	1040.8	9.0	115.6	22.0	141.7	1.0	27.0	66.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0
Tepache	862.3	4.0	215.5	41.0	215.5	4.0	41.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Trincheras	336.4	3.0	112.1	36.0	112.1	3.0	36.0	0.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Tubutama	580.4	4.0	145.1	35.0	145.1	4.0	35.0	14.2	14.2	57.1	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Ures	445.1	4.0	111.2	24.0	111.2	4.0	24.0	40.0	0.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
Villa Hidalgo	411.1	6.0	68.5	17.0	97.6	1.0	25.0	71.4	14.2	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Villa Pesqueira	304.8	4.0	76.2	14.0	103.4	1.0	19.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Yécora	1690.7	6.0	281.7	31.0	621.2	1.0	68.0	44.4	33.3	11.1	0.0	0.0	11.1	0.0	0.0	0.0	0.0
Gral P E Calles	236.9	2.0	118.4	56.0	118.4	2.0	56.0	33.3	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Estatlal	360.5	5.0	72.1	16.0	102.2	2.0	22.0	33.3	16.6	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0

Tabla C.200. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Sonora.

TABASCO



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retomo (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _a (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
HA27001	1979.5	1912.0	615.9	1.4	6.4	0.31	1871.0	1585.0	1403.0	1227.0	993.0	811.0	6.6	1271.8	16.7
HA27002	1703.1	1863.1	388.3	-0.5	2.6	0.23	1841.0	1295.0	1159.0	1040.0	893.0	785.0	9.0	1066.8	17.1
HA27003	1886.3	1992.5	626.8	-0.5	3.1	0.33	1425.1	870.9	504.0	152.1	0.0	0.0	4.4	749.7	6.3
HA27004	2350.3	2312.1	443.5	0.3	4.7	0.19	2257.0	1984.0	1784.0	1524.0	1116.0	798.0	18.5	1341.6	30.4
HA27006	2015.7	2024.1	548.5	-0.3	5.9	0.27	2063.0	1666.0	1378.0	1067.0	591.0	176.0	23.5	749.1	37.5
HA27008	1898.0	1851.3	366.7	0.1	2.8	0.19	1872.0	1607.0	1450.0	1303.0	1114.0	973.0	12.5	1276.6	22.7
HA27009	1797.9	1837.4	353.3	-0.2	3.1	0.20	1815.0	1486.0	1364.0	1254.0	1116.0	1013.0	21.3	1120.5	48.5
HA27010	1696.4	1687.0	461.2	-0.3	3.2	0.27	1691.0	1321.0	1106.0	906.0	650.0	459.0	21.5	718.1	39.0
HA27011	3027.8	3184.7	629.3	-1.7	8.9	0.21	3090.0	2694.0	2444.0	2207.0	1902.0	1675.0	515.4	833.2	1314.1
HA27012	2000.7	1944.0	518.1	-0.2	3.2	0.26	1952.0	1572.0	1355.0	1153.0	895.0	702.0	22.2	924.4	45.0
HA27013	1783.0	1784.3	450.4	-0.5	3.4	0.25	1839.0	1416.0	1189.0	981.0	717.0	522.0	13.2	960.7	21.4
HA27014	1611.8	1640.1	366.2	-0.1	2.6	0.23	1538.0	1263.0	1178.0	1101.0	1004.0	931.0	7.8	1111.9	18.1
HA27015	2312.7	2385.8	398.4	-0.6	3.2	0.17	2366.0	2002.0	1781.0	1575.0	1311.0	1115.0	17.9	1470.4	28.7
HA27016	1558.2	1487.5	373.4	0.6	3.9	0.24	1503.0	1281.0	1143.0	1011.0	837.0	704.0	13.8	938.0	29.4
HA27017	2044.4	2088.2	361.4	-0.4	3.7	0.18	2081.0	1778.0	1576.0	1377.0	1113.0	909.0	16.8	1281.7	27.9
HA27018	1900.5	1834.0	450.3	0.3	2.6	0.24	1777.0	1494.0	1344.0	1204.0	1027.0	895.0	7.9	1257.6	15.3
HA27019	2581.7	2528.3	330.2	1.2	5.9	0.13	2426.0	2302.0	2220.0	2078.0	1777.0	1541.0	5.7	2164.3	13.9
HA27020	1638.0	1625.1	363.4	-0.5	3.9	0.22	1630.0	1355.0	1191.0	1036.0	839.0	692.0	26.9	826.6	53.0
HA27021	1875.2	1938.4	446.0	-0.4	4.7	0.24	1910.0	1596.0	1390.0	1190.0	926.0	723.0	18.3	1046.1	33.0
HA27022	2848.1	2896.4	596.8	0.0	4.1	0.21	2408.9	1881.3	1531.9	1196.8	763.1	438.1	4.3	1709.8	7.0
HA27024	2619.2	2602.2	403.8	-0.1	2.8	0.15	2596.0	2263.0	2100.0	1951.0	1762.0	1621.0	9.8	1975.2	17.8
HA27026	2163.7	2370.4	501.4	-0.7	3.0	0.23	2354.0	1667.0	1424.0	1217.0	960.0	771.0	17.0	1092.7	31.0
HA27027	2858.3	3048.4	644.0	-0.8	3.8	0.23	3003.0	2374.0	1990.0	1636.0	1185.0	850.0	13.6	1612.2	21.0
HA27028	1952.9	1984.9	406.7	-0.1	3.3	0.21	1952.0	1638.0	1446.0	1266.0	1034.0	861.0	17.4	1147.6	31.8
HA27029	1767.2	1787.4	249.1	-0.5	2.9	0.14	1788.0	1550.0	1414.0	1286.0	1123.0	1001.0	11.9	1302.3	18.3
HA27030	2325.5	2298.6	438.8	0.1	2.8	0.19	2285.0	1952.0	1765.0	1590.0	1364.0	1193.0	12.5	1543.9	24.1
HA27032	2724.5	2866.5	464.2	-1.3	6.0	0.17	2802.0	2414.0	2155.0	1906.0	1583.0	1341.0	42.8	1441.5	75.0
HA27033	2281.6	2267.5	361.8	-0.4	4.0	0.16	2015.4	1695.6	1483.8	1280.7	1017.8	820.8	6.9	1451.1	11.2
HA27034	1755.8	1778.5	316.1	0.3	3.0	0.18	1775.0	1447.0	1361.0	1150.0	878.0	674.0	10.3	1228.0	15.4
HA27035	2228.5	2243.4	376.2	-1.1	6.5	0.17	2269.0	2053.0	1835.0	1563.0	1190.0	911.0	37.3	1133.4	57.5

Tabla C.201. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Tabasco.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)									
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	Tr(años)	lluvia mínima	Tr(años)	
	X _o (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min	
HA27036	1963.5	1929.1	445.0	0.2	4.3	0.23	1939.0	1825.0	1510.0	1150.0	692.0	351.0	12.4	1234.7	16.9	
HA27037	1995.2	1988.8	322.4	0.4	3.7	0.16	1978.0	1739.0	1580.0	1421.0	1203.0	1028.0	15.3	1353.5	26.8	
HA27038	1884.2	1884.0	298.5	-0.3	3.6	0.16	1881.0	1628.0	1512.0	1407.0	1274.0	1175.0	15.4	1354.1	28.6	
HA27039	1897.2	1877.7	400.0	-0.1	2.9	0.21	1853.0	1546.0	1374.0	1215.0	1012.0	860.0	12.6	1181.7	23.2	
HA27040	1512.1	1506.9	174.3	-0.1	3.7	0.12	1518.0	1377.0	1286.0	1198.0	1086.0	1001.0	13.3	1179.7	23.3	
HA27041	1439.7	1496.9	165.0	-0.6	3.4	0.11	1464.0	1300.0	1206.0	1118.0	1006.0	922.0	8.7	1179.7	12.2	
HA27042	3478.4	3565.0	617.3	-0.1	2.4	0.18	3506.0	2893.0	2596.0	2322.0	1967.0	1696.0	7.0	2531.1	11.7	
HA27044	3606.9	3641.8	538.7	-0.4	3.1	0.15	3661.0	3195.0	2903.0	2627.0	2272.0	2006.0	15.4	2530.3	25.6	
HA27046	2135.4	2155.1	301.5	0.0	2.8	0.14	2180.0	1852.0	1749.0	1654.0	1524.0	1418.0	15.1	1578.1	34.5	
HA27047	1904.6	1926.1	245.4	-0.4	3.8	0.13	1922.0	1708.0	1573.0	1445.0	1280.0	1157.0	15.6	1399.5	25.7	
HA27048	2323.3	2392.2	422.8	-0.5	2.7	0.18	2396.0	1964.0	1724.0	1505.0	1227.0	1021.0	13.6	1482.7	21.5	
HA27049	1862.1	1903.8	499.0	-0.2	3.5	0.27	1494.9	1053.8	761.8	481.6	119.0	0.0	3.6	1035.9	5.2	
HA27050	1732.6	1793.9	314.0	-0.4	2.8	0.18	1801.0	1382.0	1286.0	1208.0	1103.0	1016.0	21.0	1088.5	56.6	
HA27053	1797.9	1879.0	309.6	-0.5	2.7	0.17	1916.0	1454.0	1361.0	1288.0	1197.0	1127.0	18.3	1183.3	57.3	
HA27054	1967.4	1967.5	317.2	0.4	3.8	0.16	1969.0	1754.0	1610.0	1463.0	1254.0	1081.0	18.7	1339.9	34.7	
HA27055	2507.3	2129.8	860.2	2.1	10.0	0.34	2106.0	1985.0	1656.0	828.0	0.0	0.0	5.7	1622.5	10.3	
HA27056	1850.4	1770.0	390.8	0.1	2.3	0.21	1816.0	1476.0	1266.0	1069.0	816.0	626.0	7.6	1227.1	11.5	
HA27059	1632.1	1584.3	172.9	0.8	3.9	0.11	1548.0	1479.0	1447.0	1412.0	1347.0	1272.0	3.7	1440.3	11.5	
HA27060	1975.1	2074.4	507.8	-0.5	3.2	0.26	2049.0	1563.0	1284.0	1024.0	692.0	444.0	9.6	1157.5	14.0	
HA27061	3775.2	3847.8	765.7	-0.5	3.4	0.20	3852.0	3111.0	2718.0	2355.0	1894.0	1552.0	12.3	2368.1	19.5	
HA27065	2122.0	2259.7	402.2	-0.1	3.3	0.19	2210.0	1723.0	1565.0	1428.0	1255.0	1127.0	7.4	1510.5	13.1	
HA27068	3701.0	3727.1	737.7	0.0	4.0	0.20	3705.0	3104.0	2754.0	2427.0	2009.0	1698.0	9.6	2540.1	15.7	
HA27069	1602.9	1597.3	267.7	-0.2	3.3	0.17	1583.0	1320.0	1163.0	1016.0	827.0	687.0	5.8	1210.7	8.1	

Tabla C.201. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Tabasco.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA27001	1509.6	1747.3	1985.1	2222.9	2460.7	2698.4	2936.2	3174.0	3411.7	3649.5	23.5	5.8	35.2	17.6	0.0	5.8	0.0	5.8	0.0	5.8
HA27002	1178.7	1290.5	1402.4	1514.3	1626.2	1738.0	1849.9	1961.8	2073.6	2185.5	13.3	13.3	0.0	6.6	6.6	0.0	0.0	26.6	20.0	13.3
HA27003	942.0	1134.2	1326.5	1518.7	1711.0	1903.3	2095.5	2287.8	2480.0	2672.3	6.6	13.3	0.0	6.6	13.3	6.6	13.3	6.6	13.3	20.0
HA27004	1556.8	1771.9	1987.1	2202.2	2417.4	2632.5	2847.7	3062.8	3278.0	3493.1	4.0	4.0	4.0	28.0	16.0	20.0	12.0	8.0	0.0	4.0
HA27006	989.5	1229.9	1470.3	1710.7	1951.1	2191.4	2431.8	2672.2	2912.6	3153.0	6.6	0.0	6.6	13.3	20.0	6.6	33.3	6.6	0.0	6.6
HA27008	1402.8	1529.1	1655.3	1781.6	1907.8	2034.0	2160.3	2286.5	2412.8	2539.0	13.0	8.6	0.0	8.6	21.7	13.0	8.6	13.0	0.0	13.0
HA27009	1244.4	1368.4	1492.3	1616.2	1740.2	1864.1	1988.0	2111.9	2235.9	2359.8	5.8	5.8	5.8	17.6	11.7	5.8	17.6	5.8	17.6	5.8
HA27010	885.7	1053.3	1220.9	1388.5	1556.1	1723.7	1891.3	2058.9	2226.5	2394.1	5.0	5.0	0.0	15.0	20.0	10.0	10.0	5.0	15.0	15.0
HA27011	1138.5	1443.8	1749.0	2054.3	2359.6	2664.9	2970.2	3275.4	3580.7	3886.0	4.0	0.0	0.0	0.0	0.0	24.0	12.0	28.0	16.0	16.0
HA27012	1122.8	1321.2	1519.6	1718.0	1916.4	2114.8	2313.2	2511.6	2710.0	2908.4	4.7	4.7	9.5	4.7	19.0	23.8	0.0	14.2	14.2	4.7
HA27013	1103.2	1245.6	1388.1	1530.6	1673.1	1815.5	1958.0	2100.5	2242.9	2385.4	13.3	0.0	6.6	6.6	6.6	20.0	6.6	13.3	13.3	13.3
HA27014	1207.2	1302.5	1397.8	1493.1	1588.5	1683.8	1779.1	1874.4	1969.7	2065.0	10.0	30.0	0.0	10.0	0.0	0.0	0.0	20.0	0.0	30.0
HA27015	1607.3	1744.1	1881.0	2017.8	2154.7	2291.5	2428.3	2565.2	2702.0	2838.9	4.7	9.5	4.7	0.0	14.2	0.0	23.8	19.0	4.7	19.0
HA27016	1081.8	1225.6	1369.4	1513.2	1657.0	1800.8	1944.6	2088.4	2232.2	2376.0	10.5	0.0	15.7	31.5	10.5	10.5	0.0	10.5	5.2	5.2
HA27017	1427.2	1572.6	1718.1	1863.5	2009.0	2154.5	2299.9	2445.4	2590.8	2736.3	9.5	4.7	4.7	4.7	14.2	19.0	28.5	0.0	9.5	4.7
HA27018	1392.4	1527.1	1661.9	1796.7	1931.5	2066.2	2201.0	2335.8	2470.5	2605.3	13.3	6.6	26.6	0.0	13.3	0.0	13.3	0.0	6.6	20.0
HA27019	2288.2	2412.0	2535.9	2659.7	2783.6	2907.4	3031.3	3155.1	3278.9	3402.8	14.2	28.5	7.1	21.4	7.1	7.1	7.1	0.0	0.0	7.1
HA27020	971.8	1117.0	1262.2	1407.4	1552.6	1697.8	1843.0	1988.2	2133.4	2278.6	8.0	0.0	4.0	8.0	16.0	24.0	12.0	12.0	8.0	8.0
HA27021	1215.6	1385.1	1554.6	1724.1	1893.6	2063.1	2232.6	2402.1	2571.6	2741.1	13.3	6.6	0.0	0.0	20.0	33.3	6.6	13.3	0.0	6.6
HA27022	1964.0	2218.2	2472.4	2726.6	2980.8	3234.9	3489.1	3743.3	3997.5	4251.7	13.6	0.0	9.0	13.6	18.1	18.1	18.1	4.5	0.0	4.5
HA27024	2103.3	2231.3	2359.4	2487.5	2615.6	2743.6	2871.7	2999.8	3127.8	3255.9	7.1	14.2	7.1	7.1	21.4	0.0	7.1	14.2	14.2	7.1
HA27025	1264.0	1435.3	1606.6	1777.9	1949.3	2120.6	2291.9	2463.2	2634.5	2805.8	5.0	10.0	5.0	10.0	0.0	10.0	5.0	15.0	30.0	10.0
HA27027	1829.5	2046.8	2264.1	2481.4	2698.7	2915.9	3133.2	3350.5	3567.8	3785.1	11.7	5.8	0.0	5.8	11.7	5.8	17.6	23.5	11.7	5.8
HA27028	1301.1	1454.7	1608.2	1761.8	1915.3	2068.8	2222.4	2375.9	2529.5	2683.0	5.2	5.2	10.5	5.2	21.0	10.5	15.7	5.2	15.7	5.2
HA27029	1380.9	1459.6	1538.2	1616.8	1695.5	1774.1	1852.7	1931.3	2010.0	2088.6	5.8	11.7	5.8	0.0	17.6	0.0	17.6	5.8	17.6	17.6
HA27030	1707.1	1870.2	2033.4	2196.5	2359.7	2522.8	2686.0	2849.1	3012.3	3175.4	12.0	4.0	12.0	8.0	20.0	8.0	16.0	8.0	4.0	8.0
HA27032	1637.9	1834.2	2030.6	2226.9	2423.3	2619.7	2816.0	3012.4	3208.7	3405.1	5.2	0.0	5.2	0.0	10.5	10.5	10.5	36.8	10.5	10.5
HA27033	1595.6	1740.2	1884.7	2029.3	2173.8	2318.3	2462.9	2607.4	2752.0	2896.5	5.2	0.0	5.2	10.5	15.7	21.0	10.5	10.5	10.5	10.5
HA27034	1350.7	1473.3	1596.0	1718.6	1841.3	1963.9	2086.6	2209.2	2331.9	2454.5	4.3	26.0	8.6	4.3	13.0	17.3	8.6	13.0	0.0	4.3
HA27035	1308.8	1484.2	1659.7	1835.1	2010.5	2185.9	2361.3	2536.8	2712.2	2887.6	4.5	0.0	4.5	0.0	4.5	22.7	31.8	18.1	4.5	9.0

Tabla C.202. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Tabasco.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA27036	1396.8	1558.8	1720.9	1882.9	2045.0	2207.0	2369.1	2531.1	2693.2	2855.2	14.2	7.1	0.0	14.2	35.7	0.0	14.2	7.1	0.0	7.1
HA27037	1483.2	1612.9	1742.7	1872.4	2002.1	2131.8	2261.5	2391.3	2521.0	2650.7	4.0	4.0	12.0	24.0	12.0	12.0	16.0	4.0	0.0	12.0
HA27038	1445.8	1537.5	1629.1	1720.8	1812.5	1904.2	1995.9	2087.5	2179.2	2270.9	9.0	0.0	18.1	0.0	18.1	9.0	0.0	18.1	9.0	18.1
HA27039	1320.7	1459.8	1598.8	1737.8	1876.9	2015.9	2154.9	2293.9	2433.0	2572.0	12.0	0.0	8.0	16.0	12.0	16.0	0.0	20.0	4.0	12.0
HA27040	1249.0	1318.4	1387.7	1457.1	1526.4	1595.7	1665.1	1734.4	1803.8	1873.1	8.0	8.0	0.0	16.0	20.0	20.0	8.0	12.0	0.0	8.0
HA27041	1223.5	1267.3	1311.1	1354.9	1398.7	1442.5	1486.3	1530.1	1573.9	1617.7	18.1	9.0	0.0	0.0	9.0	9.0	0.0	18.1	0.0	36.3
HA27042	2741.6	2952.0	3162.5	3372.9	3583.4	3793.9	4004.3	4214.8	4425.2	4635.7	12.5	16.6	0.0	16.6	4.1	16.6	4.1	20.8	4.1	4.1
HA27044	2730.3	2930.2	3130.2	3330.2	3530.1	3730.1	3930.1	4130.1	4330.0	4530.0	12.0	4.0	4.0	8.0	12.0	16.0	16.0	12.0	8.0	8.0
HA27046	1692.7	1807.2	1921.8	2036.3	2150.9	2265.4	2380.0	2494.5	2609.1	2723.6	8.0	8.0	12.0	12.0	8.0	8.0	16.0	16.0	8.0	4.0
HA27047	1490.3	1581.1	1671.9	1762.7	1853.5	1944.2	2035.0	2125.8	2216.6	2307.4	5.8	5.8	5.8	5.8	11.7	23.5	11.7	17.6	0.0	11.7
HA27048	1625.6	1768.4	1911.3	2054.1	2197.0	2339.8	2482.7	2625.5	2768.3	2911.2	8.0	8.0	4.0	8.0	8.0	4.0	20.0	12.0	16.0	12.0
HA27049	1201.1	1366.3	1531.5	1696.7	1862.0	2027.2	2192.4	2357.6	2522.8	2688.0	14.2	7.1	0.0	14.2	0.0	28.5	7.1	14.2	7.1	7.1
HA27050	1202.9	1317.3	1431.7	1546.1	1660.5	1774.8	1889.2	2003.6	2118.0	2232.4	4.0	8.0	12.0	8.0	0.0	16.0	16.0	20.0	8.0	8.0
HA27053	1297.2	1411.1	1525.0	1638.9	1752.8	1866.6	1980.5	2094.4	2208.3	2322.2	8.0	8.0	12.0	4.0	8.0	8.0	12.0	32.0	4.0	4.0
HA27054	1477.4	1615.0	1752.5	1890.0	2027.6	2165.1	2302.6	2440.1	2577.7	2715.2	4.0	12.0	8.0	20.0	16.0	20.0	8.0	4.0	4.0	4.0
HA27055	1961.9	2301.3	2640.7	2980.1	3319.5	3658.9	3998.3	4337.7	4677.1	5016.5	14.2	42.8	14.2	7.1	14.2	0.0	0.0	0.0	0.0	7.1
HA27056	1348.5	1470.0	1591.4	1712.9	1834.3	1955.7	2077.2	2198.6	2320.1	2441.5	8.0	12.0	8.0	12.0	16.0	12.0	0.0	8.0	4.0	20.0
HA27059	1494.2	1548.0	1601.9	1655.7	1709.5	1763.4	1817.2	1871.1	1924.9	1978.8	33.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	0.0	8.3
HA27060	1299.4	1441.3	1583.3	1725.2	1867.1	2009.0	2150.9	2292.9	2434.8	2576.7	16.6	0.0	8.3	8.3	8.3	8.3	0.0	16.6	8.3	25.0
HA27061	2608.1	2848.2	3088.2	3328.3	3568.3	3808.3	4048.4	4288.4	4528.5	4768.5	8.3	0.0	16.6	8.3	0.0	16.6	8.3	8.3	16.6	16.6
HA27065	1628.0	1745.4	1862.9	1980.3	2097.8	2215.3	2332.7	2450.2	2567.6	2685.1	18.1	0.0	9.0	18.1	0.0	0.0	27.2	9.0	0.0	18.1
HA27068	2772.8	3005.5	3238.2	3470.9	3703.6	3936.3	4169.0	4401.7	4634.4	4867.1	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
HA27069	1284.1	1357.5	1430.8	1504.2	1577.6	1651.0	1724.4	1797.7	1871.1	1944.5	10.0	20.0	0.0	0.0	20.0	10.0	0.0	10.0	0.0	30.0

Tabla C.202. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Tabasco.

Estación	Características promedio de la sequía meteorológica								Luvia disponible Hp disp S(mm)	Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c			
HA27001	4.0	1.2	2.2	0.9	710.9	427.8	323.1	16.0	1656.4	3.9	MUY SEVERA
HA27002	3.2	1.6	1.1	0.3	515.1	326.2	468.2	27.0	1234.9	6.7	VASTA
HA27003	5.0	3.0	2.3	1.8	1292.3	1406.9	561.8	29.0	1324.5	2.3	MUY VASTA
HA27004	4.4	2.9	2.3	1.4	720.6	732.0	313.3	13.0	2036.9	4.1	MUY SEVERA
HA27006	3.2	1.6	1.3	0.4	605.4	350.6	465.6	23.0	1550.0	6.6	VASTA
HA27008	3.3	0.7	1.7	0.6	476.9	375.8	280.5	14.0	1617.5	4.8	SEVERA
HA27009	3.9	1.6	2.0	1.0	627.8	485.7	313.8	17.0	1484.0	5.0	MUY SEVERA
HA27010	4.5	2.0	2.1	1.4	749.7	481.4	357.0	21.0	1339.3	4.7	MUY VASTA
HA27011	4.3	2.3	1.6	0.7	943.3	643.4	589.5	19.0	2438.3	10.2	SEVERA
HA27012	3.1	1.4	1.8	1.4	713.9	838.9	396.6	19.0	1604.1	4.5	SEVERA
HA27013	3.5	1.6	1.3	0.8	531.2	246.3	408.6	22.0	1374.3	5.6	VASTA
HA27014	2.6	0.9	1.2	0.4	416.7	251.6	347.2	21.0	1264.6	5.0	VASTA
HA27015	2.8	1.4	1.0	0.5	411.1	258.1	411.1	17.0	1901.6	6.8	SEVERA
HA27016	4.0	1.8	2.4	1.8	542.8	347.5	226.1	14.0	1332.1	3.9	MUY SEVERA
HA27017	5.0	1.5	1.8	0.7	586.9	615.1	326.0	15.0	1718.4	6.1	SEVERA
HA27018	4.3	0.4	2.2	1.0	721.7	482.2	328.0	17.0	1572.5	3.6	MUY SEVERA
HA27019	3.0	0.7	1.3	0.4	355.1	131.8	273.1	10.0	2308.6	4.7	NORMAL
HA27020	4.2	1.4	2.3	0.9	569.0	590.2	247.3	15.0	1390.7	4.3	MUY SEVERA
HA27021	3.2	1.0	1.1	0.3	463.1	336.2	421.0	22.0	1454.2	8.0	VASTA
HA27022	4.0	1.7	1.8	1.0	829.2	655.7	460.6	16.0	2387.5	2.1	SEVERA
HA27024	5.5	1.5	2.6	0.9	786.2	187.3	302.3	11.0	2316.8	4.1	MUY SEVERA
HA27026	5.6	2.4	2.0	0.7	1066.4	678.0	533.2	24.0	1630.5	5.5	MUY VASTA
HA27027	2.6	0.9	1.0	0.5	623.7	457.5	623.7	21.0	2234.5	6.4	VASTA
HA27028	3.0	1.1	1.2	0.4	446.3	280.4	371.9	19.0	1581.0	6.1	SEVERA
HA27029	3.2	0.7	1.1	0.3	290.5	156.6	264.0	14.0	1503.2	6.3	SEVERA
HA27030	3.5	0.9	2.0	0.9	629.8	414.8	314.8	13.0	2010.7	4.1	MUY SEVERA
HA27032	5.0	2.4	1.7	0.4	819.1	421.9	481.8	17.0	2242.7	7.9	SEVERA
HA27033	3.5	1.0	1.6	0.7	442.3	305.6	276.4	12.0	2005.2	2.1	SEVERA
HA27034	4.7	1.2	2.0	1.2	605.1	293.9	302.5	17.0	1453.2	4.4	MUY SEVERA
HA27035	3.5	1.2	1.2	0.4	392.4	352.1	327.0	14.0	1901.5	8.3	SEVERA

Tabla C.203. Características de la sequía promedio de cada estación climatológica del estado de Tabasco.

Estación	Características promedio de la sequía meteorológica								lluvia disponible Hp disp S(mm)	Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s			
HA27036	3.6	1.2	2.2	1.0	549.9	582.2	249.9	12.0	1713.5	6.8	MUY SEVERA
HA27037	3.6	1.4	2.0	0.9	449.0	254.6	224.5	11.0	1770.6	4.4	MUY SEVERA
HA27038	3.3	1.8	1.5	0.8	337.8	224.4	225.1	11.0	1659.1	4.2	SEVERA
HA27039	4.0	1.6	2.1	1.3	569.6	293.5	271.2	14.0	1626.0	3.7	MUY SEVERA
HA27040	4.2	1.3	2.1	1.0	271.8	242.3	129.4	8.0	1382.6	4.8	MODERADA
HA27041	2.6	0.4	1.2	0.4	185.8	87.0	154.8	10.0	1284.9	5.5	NORMAL
HA27042	4.2	1.5	1.8	0.6	1041.7	601.1	578.7	16.0	2899.6	4.9	SEVERA
HA27044	3.0	1.4	1.2	0.4	584.4	349.0	487.0	13.0	3119.9	5.9	SEVERA
HA27046	4.8	3.0	2.0	1.4	522.6	535.7	261.2	12.0	1874.2	4.4	MUY SEVERA
HA27047	5.0	0.0	2.6	1.2	529.3	396.3	203.5	10.0	1701.1	5.2	MODERADA
HA27048	5.2	2.9	2.0	1.0	874.4	689.3	437.2	18.0	1886.1	6.2	MUY SEVERA
HA27049	5.0	3.0	1.6	0.9	901.7	899.0	563.5	30.0	1298.6	2.9	VASTA
HA27050	4.0	1.2	1.5	1.1	529.8	657.8	353.2	20.0	1379.4	5.1	SEVERA
HA27053	4.0	1.0	1.8	1.4	542.9	535.6	301.6	16.0	1496.3	4.1	SEVERA
HA27054	3.5	0.9	1.7	0.6	441.5	107.9	259.7	13.0	1707.6	6.2	SEVERA
HA27055	4.3	0.9	2.2	1.2	1041.0	750.3	473.1	18.0	2034.1	3.5	MUY SEVERA
HA27056	4.0	1.2	2.3	1.3	683.8	632.2	297.3	16.0	1553.0	3.9	MUY SEVERA
HA27059	2.2	0.4	1.3	0.8	171.4	136.0	131.8	8.0	1500.3	3.3	NORMAL
HA27060	3.6	1.6	1.2	0.4	636.4	272.1	530.3	26.0	1444.8	6.7	VASTA
HA27061	2.5	0.5	1.1	0.3	743.4	456.4	675.8	17.0	3099.4	5.1	SEVERA
HA27065	3.0	1.4	1.2	0.4	467.0	286.9	389.1	18.0	1732.8	4.7	SEVERA
HA27068	4.0	1.0	1.6	0.4	994.1	554.2	621.3	16.0	3079.6	5.2	SEVERA
HA27069	3.0	0.5	2.5	1.5	534.0	222.3	213.6	13.0	1389.3	3.8	MUY SEVERA

Tabla C.203. Características de la sequía promedio de cada estación climatológica del estado de Tabasco.

Estación	Características máximas registradas de la sequía meteorológica								Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad	Duración	$I^* = S_{máx} / D_{máx}$	% de I^*	Intensidad	Duración / máx	% de $I / máx$		1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años	
$S_{máx}(\text{mm})$	$D_{máx}(\text{años})$	$I^*(\text{mm/año})$	respecto a X_0	$I / máx(\text{mm/año})$	$D / máx(\text{años})$	respecto a X_0		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
HA27001	1500.2	4.0	375.0	18.0	680.0	1.0	34.0	20.0	60.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27002	1111.6	2.0	555.8	32.0	555.8	2.0	32.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27003	3281.7	5.0	656.3	34.0	656.3	5.0	34.0	66.6	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27004	1848.6	5.0	369.7	15.0	501.3	3.0	21.0	50.0	0.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27006	1266.5	1.0	1266.5	62.0	1266.5	1.0	62.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27008	1230.2	3.0	410.0	21.0	621.4	1.0	32.0	42.8	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27009	1455.8	3.0	485.2	26.0	485.2	3.0	26.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27010	1696.8	2.0	848.4	50.0	848.4	2.0	50.0	40.0	40.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27011	2194.6	1.0	2194.6	72.0	2194.6	1.0	72.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27012	2505.5	5.0	501.1	25.0	785.6	1.0	39.0	66.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27013	822.2	1.0	822.2	46.0	822.2	1.0	46.0	80.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27014	834.5	2.0	417.2	25.0	417.2	2.0	25.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27015	842.3	1.0	842.3	36.0	842.3	1.0	36.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27016	1142.8	6.0	190.4	12.0	543.2	1.0	34.0	40.0	40.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27017	1795.7	3.0	598.5	29.0	598.5	3.0	29.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27018	1482.9	4.0	370.7	19.0	392.8	2.0	20.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27019	556.3	2.0	278.1	10.0	312.5	1.0	12.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27020	1877.6	4.0	469.4	28.0	469.4	4.0	28.0	16.6	50.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27021	829.3	2.0	414.6	22.0	784.2	1.0	41.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27022	2075.8	4.0	518.9	18.0	985.9	1.0	34.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27024	1022.9	2.0	511.5	19.0	511.5	2.0	19.0	0.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27026	1971.3	3.0	657.1	30.0	657.1	3.0	30.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27027	1246.0	1.0	1246.0	43.0	1246.0	1.0	43.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27028	986.0	2.0	493.0	25.0	566.1	1.0	28.0	71.4	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27029	464.9	1.0	464.9	26.0	464.9	1.0	26.0	83.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27030	1247.8	4.0	311.9	13.0	781.6	1.0	33.0	28.5	57.1	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27032	1501.6	2.0	750.8	27.0	750.8	2.0	27.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27033	830.5	1.0	830.5	36.0	830.5	1.0	36.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27034	988.5	3.0	329.5	18.0	527.7	1.0	30.0	60.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27035	1095.1	1.0	1095.1	49.0	1095.1	1.0	49.0	71.4	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.204. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Tabasco.

Estación	Características máximas registradas de la sequía meteorológica								Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ¹ =S _{máx} /D _{máx}	% de I ¹	Intensidad	Duración / máx	% da / máx		1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
S _{máx} (mm)	D _{máx} (años)	I ¹ (mm/año)	respecto a X ₀	I ¹ (mm/año)	D / máx(mm/año)	D / máx(años)	respecto a X ₀	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA27036	1524.1	4.0	381.0	19.0	381.0	4.0	19.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27037	849.0	3.0	283.0	14.0	322.3	1.0	16.0	42.8	14.2	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27038	591.8	3.0	197.2	10.0	530.1	1.0	28.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27039	887.0	2.0	443.5	23.0	715.5	1.0	37.0	42.8	28.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA27040	753.0	4.0	188.2	12.0	245.1	1.0	16.0	33.3	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27041	262.0	2.0	131.0	9.0	260.0	1.0	18.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27042	2243.6	3.0	747.8	21.0	747.8	3.0	21.0	33.3	50.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27044	1076.6	1.0	1076.6	29.0	1076.6	1.0	29.0	77.7	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27046	1618.2	4.0	404.5	18.0	404.5	4.0	18.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27047	962.2	4.0	240.5	12.0	240.5	4.0	12.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27048	1892.6	4.0	473.1	20.0	665.0	2.0	28.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27049	2172.9	3.0	724.3	38.0	724.3	3.0	38.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27050	1978.1	4.0	494.5	28.0	494.5	4.0	28.0	83.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27053	1522.3	5.0	304.4	16.0	479.8	2.0	26.0	66.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA27054	627.4	1.0	627.4	31.0	627.4	1.0	31.0	42.8	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27055	2318.1	4.0	579.5	23.0	612.6	1.0	24.0	50.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27056	2049.5	5.0	409.8	22.0	424.6	1.0	22.0	33.3	33.3	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA27059	424.1	3.0	141.3	8.0	156.3	1.0	9.0	80.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27060	984.8	2.0	492.4	24.0	774.6	1.0	39.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27061	1407.1	1.0	1407.1	37.0	1407.1	1.0	37.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27065	867.4	2.0	433.7	20.0	611.4	1.0	28.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27068	1687.3	2.0	843.6	22.0	843.6	2.0	22.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA27069	756.3	4.0	189.0	11.0	311.7	1.0	19.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.204. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Tabasco.

Municipio	Estadísticos de la lluvia promedio municipal					Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _p (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _{p min} (mm)	H _{p min}
Balancán	1768.4	1808.1	255.9	-0.3	2.6	0.14	1792.0	1535.0	1448.0	1369.0	1271.0	1198.0	24.8	1256.5	57.4
Cárdenas	1767.3	1787.0	290.6	0.2	3.7	0.16	1553.5	1296.6	1126.5	963.3	752.2	593.9	3.0	1319.6	4.6
Centla	1686.6	1744.2	287.9	-0.1	2.1	0.17	1474.7	1220.1	1051.6	889.9	680.7	523.9	3.3	1240.1	4.6
Centro	1995.4	2029.1	270.4	-0.2	3.3	0.14	2005.0	1671.0	1613.0	1466.0	1247.0	1083.0	15.3	1420.5	24.2
Comalcalco	1730.8	1787.7	236.3	-0.2	2.7	0.14	1778.0	1455.0	1389.0	1333.0	1249.0	1167.0	10.3	1303.4	28.5
Cunduacán	1829.3	1782.8	318.9	0.3	3.0	0.17	1787.0	1587.0	1465.0	1349.0	1200.0	1089.0	18.1	1245.8	37.7
Emiliano Zapata	1894.3	1894.0	383.8	-0.2	3.0	0.20	1881.0	1599.0	1432.0	1275.0	1074.0	925.0	27.1	1067.6	51.6
Huimanguillo	2165.6	2207.0	290.2	-0.7	4.5	0.13	2206.0	1972.0	1804.0	1628.0	1374.0	1164.0	26.8	1417.1	43.0
Jalapa	1920.3	1981.2	250.0	0.6	3.9	0.13	1907.0	1658.0	1556.0	1429.0	1221.0	1052.0	6.1	1528.8	11.8
Jalapa de Méndez	1833.9	1831.3	278.9	-0.2	2.7	0.15	1834.0	1586.0	1455.0	1335.0	1183.0	1070.0	17.0	1260.3	31.3
Jonuta	1759.1	1769.1	337.1	-0.3	2.8	0.19	1799.0	1458.0	1286.0	1130.0	933.0	787.0	13.6	1088.5	24.2
Macuspana	2461.9	2505.7	434.4	0.1	3.2	0.18	2142.2	1758.2	1504.0	1260.1	944.4	707.8	3.8	1686.6	6.1
Nacajuca	1722.8	1748.3	274.5	-0.4	2.6	0.16	1741.0	1499.0	1360.0	1230.0	1065.0	942.0	15.6	1183.3	25.9
Paraiso	1789.7	1791.6	270.0	0.0	2.7	0.15	1776.0	1584.0	1470.0	1363.0	1224.0	1120.0	16.9	1291.1	32.1
Tacotalpa	3155.1	3219.8	486.0	-0.1	2.7	0.15	3231.0	2663.0	2457.0	2275.0	2044.0	1870.0	12.8	2211.5	25.7
Teapa	3447.7	3559.8	504.4	-0.5	2.4	0.15	3552.0	3009.0	2722.0	2461.0	2133.0	1889.0	9.3	2588.9	14.2
Tenosique	2171.2	2185.9	321.3	0.0	3.0	0.15	2189.0	1837.0	1704.0	1574.0	1381.0	1218.0	9.7	1580.2	19.3
Estatal	2077.7	2146.2	261.6	-0.3	2.2	0.13	2154.0	1807.0	1718.0	1641.0	1545.0	1475.0	13.0	1603.0	28.6

Tabla C.206. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Tabasco.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Balancán	1346.1	1435.7	1525.3	1614.9	1704.5	1794.0	1883.6	1973.2	2062.8	2152.4	8.0	4.0	8.0	16.0	8.0	4.0	8.0	12.0	20.0	12.0
Cárdenas	1433.7	1547.8	1662.0	1776.1	1890.2	2004.3	2118.4	2232.6	2346.7	2460.8	21.7	4.3	0.0	17.3	30.4	8.6	8.6	4.3	0.0	4.3
Centla	1325.5	1411.0	1496.4	1581.8	1667.3	1752.7	1838.1	1923.5	2009.0	2094.4	12.0	16.0	4.0	12.0	0.0	8.0	16.0	4.0	12.0	16.0
Centro	1530.0	1639.6	1749.1	1858.6	1968.2	2077.7	2187.2	2296.7	2406.3	2515.8	4.0	4.0	12.0	12.0	4.0	28.0	16.0	4.0	12.0	4.0
Comalcalco	1386.0	1468.7	1551.3	1633.9	1716.5	1799.2	1881.8	1964.4	2047.1	2129.7	10.3	13.7	3.4	3.4	10.3	13.7	24.1	3.4	6.8	10.3
Cunduacán	1364.9	1484.0	1603.2	1722.3	1841.4	1960.5	2079.6	2198.8	2317.9	2437.0	8.0	4.0	16.0	8.0	20.0	16.0	4.0	4.0	12.0	8.0
Emiliano Zapata	1207.9	1348.1	1488.4	1628.7	1769.0	1909.2	2049.5	2189.8	2330.0	2470.3	4.3	0.0	13.0	13.0	0.0	26.0	17.3	0.0	4.3	21.7
Huimanguillo	1550.1	1683.1	1816.2	1949.2	2082.2	2215.2	2348.2	2481.3	2614.3	2747.3	4.0	4.0	4.0	8.0	8.0	24.0	24.0	16.0	4.0	4.0
Jalapa	1629.0	1729.1	1829.3	1929.4	2029.6	2129.8	2229.9	2330.1	2430.2	2530.4	16.0	8.0	16.0	0.0	36.0	12.0	0.0	4.0	4.0	4.0
Jalapa de Méndez	1362.6	1465.0	1567.3	1669.6	1772.0	1874.3	1976.6	2078.9	2181.3	2283.6	6.4	6.4	0.0	16.1	12.9	12.9	6.4	12.9	12.9	12.9
Jonuta	1214.8	1341.1	1467.4	1593.7	1720.0	1846.2	1972.5	2098.8	2225.1	2351.4	4.0	12.0	8.0	4.0	16.0	8.0	20.0	12.0	8.0	8.0
Macuspana	1862.4	2038.1	2213.9	2389.6	2565.4	2741.1	2916.9	3092.6	3268.4	3444.1	8.0	12.0	12.0	8.0	16.0	16.0	20.0	4.0	0.0	4.0
Nacajuca	1275.6	1367.8	1460.1	1552.4	1644.7	1736.9	1829.2	1921.5	2013.7	2106.0	8.0	4.0	12.0	4.0	8.0	12.0	12.0	12.0	12.0	16.0
Paraiso	1388.7	1486.4	1584.0	1681.6	1779.3	1876.9	1974.5	2072.1	2169.8	2267.4	6.8	13.7	0.0	13.7	10.3	24.1	3.4	6.8	10.3	10.3
Tacotalpa	2391.0	2570.4	2749.9	2929.3	3108.8	3288.3	3467.7	3647.2	3826.6	4006.1	8.0	4.0	8.0	16.0	8.0	12.0	16.0	12.0	4.0	12.0
Teapa	2749.8	2910.8	3071.7	3232.6	3393.5	3554.5	3715.4	3876.3	4037.3	4198.2	20.0	4.0	0.0	8.0	4.0	12.0	12.0	16.0	12.0	12.0
Tenosique	1710.9	1841.5	1972.2	2102.8	2233.5	2364.2	2494.8	2625.5	2756.1	2886.8	4.0	16.0	8.0	12.0	12.0	16.0	16.0	12.0	0.0	4.0
Estatal	1688.1	1773.2	1858.3	1943.4	2028.5	2113.5	2198.6	2283.7	2368.8	2453.9	9.6	9.6	9.6	6.4	3.2	6.4	16.1	12.9	6.4	19.3

Tabla C.206. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Tabasco.

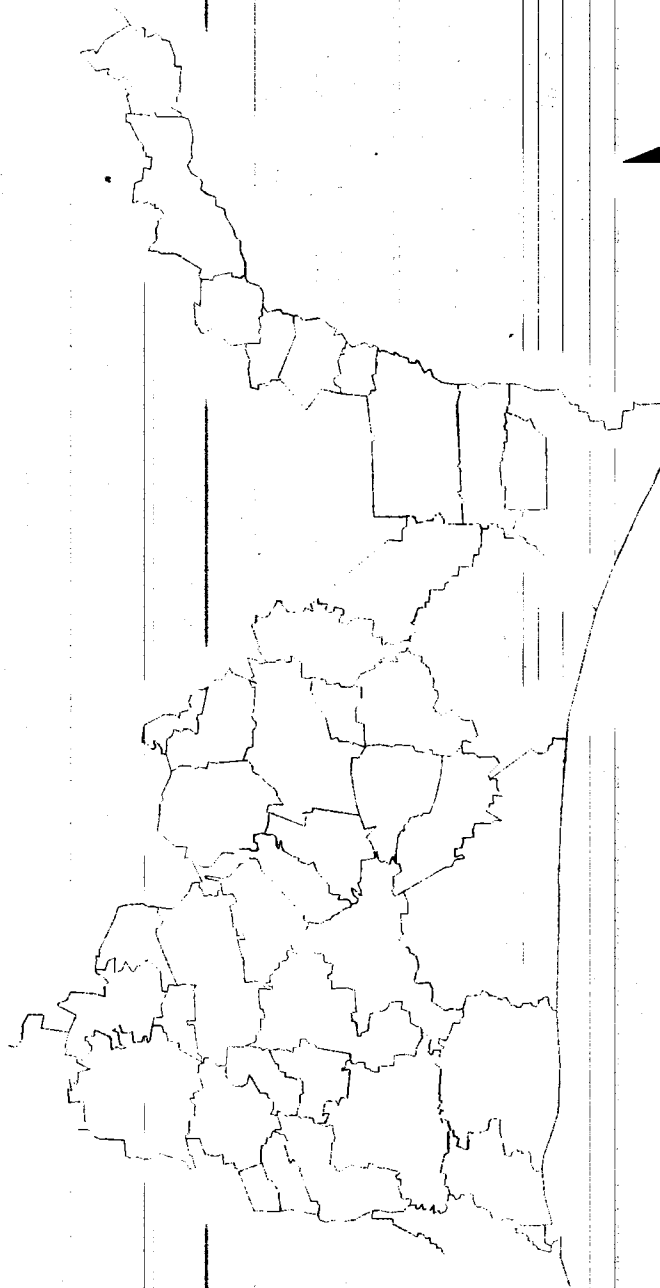
Municipio	Características promedio de la sequía meteorológica municipal								Lluvia disponible Hp disp S(mm)	Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS			
	Per(S/años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X ₀			
Balancán	3.5	1.1	1.7	1.0	396.8	368.1	233.4	13.0	1535.0	5.0	SEVERA
Cárdenas	2.7	0.8	1.2	0.6	313.5	251.4	261.2	14.0	1506.1	2.3	SEVERA
Centla	3.5	1.2	1.7	1.0	449.3	478.1	264.2	15.0	1422.3	2.4	SEVERA
Centro	3.3	1.1	1.2	0.4	376.8	138.5	314.0	15.0	1681.3	4.5	SEVERA
Comalcalco	3.4	2.3	1.5	0.8	349.2	242.6	232.8	13.0	1498.0	4.0	SEVERA
Cunduacán	4.0	1.9	2.0	1.3	443.5	219.5	221.7	12.0	1607.6	4.5	MUY SEVERA
Emiliano Zapata	3.6	1.6	2.0	1.4	573.3	672.3	286.6	15.0	1607.6	4.8	MUY SEVERA
Huimanguillo	3.9	1.2	1.4	0.7	392.1	476.5	280.0	12.0	1885.5	7.2	SEVERA
Jalapa	5.2	3.9	2.0	0.8	485.3	175.9	242.6	12.0	1677.6	4.4	MUY SEVERA
Jalapa de Méndez	3.5	1.9	2.0	1.1	448.2	309.4	224.1	12.0	1609.7	4.5	MUY SEVERA
Jonuta	3.9	3.0	1.8	1.4	575.2	747.8	319.5	18.0	1439.5	5.4	SEVERA
Macuspana	3.5	2.1	1.7	1.0	627.7	536.1	369.2	14.0	2092.6	2.2	SEVERA
Nacajuca	3.9	1.6	1.9	1.4	467.2	390.8	245.8	14.0	1477.0	5.5	SEVERA
Paraiso	5.7	2.2	2.7	0.9	607.9	261.0	225.1	12.0	1564.6	5.6	MUY SEVERA
Tacotalpa	4.4	1.7	1.8	0.6	843.4	368.2	468.5	14.0	2686.6	4.7	SEVERA
Teapa	3.8	1.6	1.4	0.4	746.8	405.5	533.4	15.0	2914.2	6.2	SEVERA
Tenosique	7.3	1.6	2.7	1.0	826.5	381.7	306.1	14.0	1865.0	4.4	MUY SEVERA
Estatad	5.0	2.2	1.7	1.3	498.1	480.8	293.0	14.0	1784.7	5.8	SEVERA

Tabla C.207. Características de la sequía promedio de cada municipio del estado de Tabasco.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ¹ =Smáx/Dmáx	% de I ¹	Intensidad	Duración I/máx	% de I/máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I ¹ (mm/año)	respecto a X ₀	I máx(mm/año)	D I máx(años)	respecto a X ₀	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Balancán	1254.8	4.0	313.7	17.0	511.9	1.0	28.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Cárdenas	838.1	3.0	279.3	15.0	447.7	1.0	25.0	87.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Centla	1546.2	4.0	386.5	22.0	386.5	4.0	22.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Centro	574.8	1.0	574.8	28.0	574.8	1.0	28.0	71.4	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Comalcalco	913.7	3.0	304.5	17.0	427.4	1.0	24.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cunduacán	830.1	5.0	166.0	9.0	583.5	1.0	31.0	42.8	42.8	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Emiliano Zapata	2025.7	5.0	405.1	21.0	494.6	1.0	26.0	50.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Huimanguillo	1482.0	3.0	494.0	22.0	494.0	3.0	22.0	71.4	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jalapa	705.8	3.0	235.2	12.0	391.4	1.0	20.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jalapa de Méndez	1103.5	4.0	275.8	15.0	490.5	1.0	26.0	50.0	12.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Jonuta	2217.8	5.0	443.5	25.0	490.6	1.0	27.0	66.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Macuspana	1500.8	4.0	375.2	15.0	613.5	2.0	24.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Nacajuca	1146.8	5.0	229.3	13.0	404.7	2.0	23.0	50.0	33.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Paraiso	1101.6	4.0	275.4	15.0	498.6	1.0	27.0	20.0	0.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Tacotalpa	1505.7	3.0	501.9	15.0	943.6	1.0	29.0	33.3	50.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Teapa	1470.3	2.0	735.1	21.0	813.1	1.0	23.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tenosique	1281.8	4.0	320.4	14.0	427.8	1.0	19.0	25.0	0.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Estatad	1663.3	5.0	332.6	16.0	343.9	1.0	16.0	71.4	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0

Tabla C.208. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Tabasco.

TAMAULIPAS



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv	Std	Coeficientes		2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X ₀ (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
HA28003	916.9	907.2	308.9	0.7	3.8	0.34	883.0	692.0	572.0	459.0	312.0	203.0	12.9	410.2	27.0
HA28005	1315.5	1362.3	306.7	0.5	4.9	0.23	1311.0	1110.0	977.0	846.0	669.0	528.0	18.4	718.5	38.8
HA28006	954.1	897.1	316.8	0.4	3.9	0.33	890.0	687.0	576.0	468.0	321.0	202.0	7.2	523.6	14.0
HA28007	657.1	686.1	228.2	-0.3	3.6	0.35	673.0	495.0	373.0	249.0	78.0	0.0	18.5	167.9	31.1
HA28008	1089.1	1106.8	261.0	0.6	4.5	0.24	1087.0	828.0	744.0	568.0	298.0	97.0	7.9	664.2	14.3
HA28009	686.9	628.2	211.2	0.4	2.9	0.31	643.0	513.0	438.0	365.0	266.0	187.0	13.9	325.5	29.0
HA28010	498.7	465.8	149.3	0.7	4.4	0.30	479.0	388.0	331.0	275.0	201.0	143.0	10.4	268.1	21.9
HA28012	1045.2	1059.9	308.1	0.7	7.0	0.29	1033.0	838.0	711.0	589.0	431.0	312.0	30.8	351.6	79.3
HA28014	429.5	400.0	225.8	0.6	3.4	0.53	394.0	265.0	185.0	110.0	13.0	0.0	15.4	52.2	34.3
HA28015	737.2	697.2	238.5	1.0	4.1	0.32	677.0	567.0	498.0	429.0	327.0	235.0	8.2	428.0	20.2
HA28019	784.4	750.7	263.4	0.6	3.8	0.34	737.0	567.0	461.0	352.0	195.0	60.0	11.5	328.0	23.2
HA28020	742.9	730.0	188.1	0.8	4.4	0.25	736.0	597.0	508.0	423.0	313.0	231.0	8.7	444.0	16.8
HA28021	655.6	641.0	225.0	0.4	3.1	0.34	599.0	452.0	393.0	328.0	218.0	110.0	9.3	316.5	22.3
HA28023	1240.2	1272.9	272.6	-0.1	3.1	0.22	1244.0	998.0	868.0	748.0	596.0	481.0	14.8	691.4	28.1
HA28024	831.9	841.3	303.3	1.1	5.9	0.36	735.0	542.0	437.0	279.0	0.0	0.0	4.6	430.0	10.4
HA28025	908.3	878.0	350.8	0.6	4.0	0.39	833.0	621.0	503.0	392.0	243.0	125.0	9.1	397.5	19.3
HA28028	721.4	705.1	205.5	0.3	2.6	0.28	691.0	550.0	470.0	395.0	300.0	229.0	12.4	371.3	25.1
HA28029	868.8	841.9	293.3	1.1	5.5	0.34	858.0	692.0	579.0	462.0	285.0	123.0	7.9	497.4	16.3
HA28030	606.3	581.6	218.1	0.5	3.9	0.36	594.0	436.0	337.0	241.0	116.0	21.0	12.7	210.9	24.9
HA28031	1035.9	990.0	367.0	0.9	4.9	0.35	998.0	772.0	630.0	494.0	320.0	189.0	7.5	562.5	14.1
HA28033	718.1	708.0	243.8	0.0	3.4	0.34	715.0	546.0	427.0	300.0	114.0	0.0	14.7	260.6	24.5
HA28034	444.9	409.2	120.0	0.5	3.1	0.27	416.0	338.0	295.0	254.0	198.0	154.0	6.7	275.5	13.8
HA28038	920.1	918.0	307.1	0.1	3.3	0.33	897.0	681.0	550.0	424.0	259.0	132.0	19.0	313.8	37.0
HA28039	461.8	457.6	123.9	0.5	3.4	0.27	449.0	374.0	328.0	285.0	227.0	183.0	22.4	227.1	50.1
HA28040	439.3	429.0	120.0	1.0	4.5	0.27	417.0	359.0	323.0	288.0	244.0	210.0	21.3	233.9	61.3
HA28041	658.8	636.2	211.5	0.3	2.8	0.32	634.0	481.0	388.0	298.0	178.0	83.0	10.9	295.6	20.4
HA28042	919.3	850.7	243.4	1.1	5.0	0.26	892.0	740.0	643.0	551.0	431.0	342.0	10.1	541.0	21.5
HA28043	1218.0	1234.5	263.3	-0.3	2.7	0.22	1221.0	1008.0	880.0	759.0	604.0	489.0	14.3	725.0	24.4
HA28044	965.3	895.8	247.7	1.7	6.6	0.26	873.0	764.0	677.0	542.0	276.0	63.0	3.8	687.3	9.3
HA28045	1031.0	994.5	386.1	0.8	4.4	0.37	1003.0	764.0	602.0	429.0	164.0	0.0	8.4	481.0	16.3
HA28047	620.9	626.0	216.3	0.5	3.0	0.35	626.0	397.0	373.0	329.0	178.0	53.0	3.4	337.6	18.4
HA28048	704.2	686.6	264.7	0.5	3.4	0.38	672.0	495.0	386.0	281.0	141.0	32.0	14.1	229.0	28.1
HA28049	1227.3	1188.4	313.6	0.4	3.4	0.26	1181.0	995.0	883.0	776.0	639.0	536.0	16.0	687.1	36.2
HA28050	772.8	717.8	209.2	0.6	3.8	0.27	738.0	600.0	513.0	424.0	296.0	186.0	12.7	392.5	25.4
HA28052	655.7	681.4	185.3	0.3	3.4	0.28	657.0	467.0	413.0	348.0	229.0	122.0	8.9	356.5	18.5
HA28053	1013.5	991.0	238.2	0.1	3.9	0.23	993.0	807.0	697.0	589.0	443.0	328.0	13.6	551.3	25.4
HA28054	950.4	891.7	257.1	0.4	3.2	0.27	914.0	748.0	649.0	554.0	431.0	337.0	11.2	536.0	22.9
HA28055	768.4	765.1	247.3	0.1	4.8	0.32	753.0	585.0	477.0	375.0	242.0	142.0	38.6	168.0	83.4
HA28056	685.5	695.4	227.4	-0.6	5.6	0.33	681.0	584.0	507.0	403.0	224.0	81.0	54.8	108.8	87.5
HA28057	741.6	735.0	173.4	-0.5	3.8	0.23	747.0	615.0	534.0	457.0	357.0	283.0	30.7	335.9	61.1
HA28058	822.4	812.1	157.4	0.6	3.6	0.19	796.0	697.0	626.0	547.0	424.0	319.0	11.3	549.6	19.6
HA28059	948.6	941.5	230.7	0.0	2.3	0.24	940.0	736.0	652.0	576.0	481.0	409.0	8.8	591.9	17.3
HA28060	1007.9	977.3	284.3	0.1	2.2	0.28	984.0	743.0	637.0	540.0	417.0	325.0	7.1	599.5	13.0
HA28062	630.3	572.5	279.7	0.7	3.5	0.44	574.0	428.0	340.0	256.0	146.0	62.0	25.0	114.5	65.0
HA28063	430.6	427.8	125.3	0.3	2.9	0.29	422.0	329.0	271.0	217.0	147.0	95.0	7.8	247.4	13.5
HA28065	518.1	478.3	164.0	0.7	3.2	0.32	467.0	377.0	325.0	273.0	197.0	131.0	6.8	294.7	15.1
HA28066	1075.5	1019.8	337.8	0.5	4.8	0.31	1015.0	798.0	667.0	528.0	315.0	132.0	10.3	537.4	19.1
HA28067	607.7	490.8	369.9	2.2	11.0	0.61	420.0	314.0	168.0	0.0	0.0	0.0	4.9	123.5	11.1
HA28069	1418.7	1376.1	368.5	0.1	4.1	0.26	1387.0	1153.0	973.0	756.0	434.0	182.0	19.8	592.6	32.1
HA28070	693.7	711.7	154.2	0.2	2.4	0.22	687.0	545.0	506.0	467.0	405.0	345.0	10.0	452.1	25.4
HA28071	571.4	555.3	135.1	1.2	4.8	0.24	542.0	463.0	409.0	353.0	267.0	188.0	5.5	400.5	11.2
HA28072	903.1	877.0	299.0	1.0	5.2	0.33	886.0	673.0	536.0	404.0	234.0	107.0	6.8	487.4	12.9
HA28073	785.4	761.0	257.7	0.8	5.1	0.33	766.0	615.0	514.0	410.0	256.0	119.0	16.1	330.7	32.6
HA28075	720.7	670.2	227.6	0.7	3.5	0.32	664.0	538.0	461.0	384.0	278.0	188.0	7.7	398.1	17.7
HA28076	764.4	718.0	152.3	0.9	4.6	0.20	719.0	641.0	592.0	539.0	454.0	374.0	7.6	554.6	16.5
HA28077	1006.9	966.0	290.4	0.7	3.4	0.29	932.0	750.0	644.0	531.0	352.0	193.0	7.4	587.7	14.3
HA28080	1007.2	1058.8	197.2	-0.2	2.8	0.20	1054.0	792.0	731.0	679.0	611.0	557.0	9.0	675.3	21.2
HA28081	757.4	711.1	215.2	2.0	9.6	0.28	707.0	616.0	547.0	456.0	249.0	45.0	8.4	462.0	19.3

Tabla C.209. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Tamaulipas.

Estación	Estadísticos de la lluvia anual registrada					Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima registrada	Tr(años)	
	Media X _a (mm)	Mediana (mm)	Desv S(mm)	Std g	Coefficientes k Cv	2 años Hp(mm)	5 años Hp(mm)	10 años Hp(mm)	20 años Hp(mm)	50 años Hp(mm)	100 años Hp(mm)	primer decil	Hp min(mm)	Hp min
HA28082	572.7	532.0	214.9	1.4	5.9 0.38	527.0	432.0	369.0	302.0	200.0	99.0	9.3	287.0	23.3
HA28083	1269.4	1247.6	289.9	0.8	5.1 0.23	1216.0	1011.0	877.0	732.0	512.0	323.0	5.9	863.6	10.7
HA28084	765.9	733.0	180.6	0.9	4.9 0.24	744.0	626.0	549.0	473.0	365.0	275.0	15.2	416.8	32.4
HA28085	941.4	962.4	142.7	-0.5	3.7 0.15	985.0	814.0	780.0	750.0	696.0	639.0	90.4	589.7	173.2
HA28086	660.1	662.2	182.5	0.5	4.3 0.28	645.0	517.0	413.0	287.0	88.0	0.0	9.5	345.5	14.8
HA28087	811.5	728.1	206.5	1.5	5.5 0.25	725.0	654.0	603.0	534.0	369.0	212.0	4.2	586.5	12.2
HA28088	942.2	881.3	385.3	0.8	4.2 0.41	859.0	644.0	509.0	372.0	172.0	0.0	7.6	427.2	15.2
HA28089	886.7	807.0	324.3	0.7	3.4 0.37	816.0	616.0	495.0	374.0	202.0	56.0	7.0	436.4	14.0
HA28091	326.0	339.5	110.0	-0.1	2.5 0.34	337.0	217.0	177.0	140.0	93.0	56.0	9.3	142.0	19.3
HA28093	487.2	411.0	207.6	1.8	8.3 0.43	410.0	320.0	255.0	170.0	0.0	0.0	3.5	267.2	8.9
HA28094	817.5	830.6	224.6	0.1	2.6 0.27	815.0	646.0	540.0	439.0	309.0	212.0	10.5	457.4	17.6
HA28096	475.7	475.0	137.1	0.0	2.6 0.29	468.0	357.0	297.0	242.0	171.0	118.0	10.4	243.6	19.6
HA28098	1025.7	1040.1	293.4	0.1	4.2 0.29	1023.0	795.0	642.0	488.0	275.0	106.0	9.6	549.5	15.2
HA28099	509.7	456.9	257.0	1.4	5.8 0.50	384.0	285.0	182.0	0.0	0.0	0.0	4.2	188.2	9.7
HA28100	447.2	410.8	209.9	1.4	7.1 0.47	433.0	293.0	200.0	108.0	0.0	0.0	9.0	111.0	19.6
HA28102	477.6	432.0	281.0	1.8	8.3 0.59	443.0	272.0	159.0	47.0	0.0	0.0	5.8	114.0	13.2
HA28103	510.6	502.0	189.7	-0.1	3.3 0.37	486.0	381.0	318.0	259.0	183.0	126.0	47.1	119.6	108.3
HA28104	443.8	436.0	224.7	0.6	3.3 0.51	412.0	266.0	177.0	92.0	0.0	0.0	8.3	113.5	16.7
HA28105	481.0	473.0	245.2	0.7	4.2 0.51	467.0	290.0	172.0	56.0	0.0	0.0	7.5	119.2	13.7
HA28106	483.6	476.0	231.2	0.4	3.2 0.48	445.0	268.0	163.0	55.0	0.0	0.0	8.5	96.3	16.4
HA28107	451.7	448.0	232.5	0.5	3.5 0.51	440.0	269.0	161.0	59.0	0.0	0.0	10.1	68.0	18.7
HA28111	1037.3	993.5	344.3	-0.5	4.2 0.33	1005.0	847.0	578.0	323.0	0.0	0.0	22.4	131.7	34.1
HA28112	799.3	808.3	276.3	1.0	5.9 0.36	766.0	585.0	456.0	313.0	81.0	0.0	10.1	326.3	18.8
HA28113	1086.0	1055.6	486.2	0.2	3.1 0.45	1021.0	730.0	553.0	386.0	171.0	10.0	25.2	148.8	55.0
HA28114	411.4	403.0	189.2	1.6	9.0 0.46	396.0	278.0	189.0	83.0	0.0	0.0	5.9	163.7	12.0
HA28115	330.6	327.0	121.2	0.7	5.1 0.37	336.0	232.0	162.0	93.0	0.0	0.0	12.0	83.2	22.0
HA28117	897.9	866.9	233.0	0.1	2.8 0.26	879.0	693.0	596.0	505.0	384.0	289.0	19.6	412.0	40.4
HA28118	898.5	881.3	231.4	0.1	2.3 0.26	908.0	685.0	657.0	623.0	519.0	407.0	45.5	452.5	75.6
HA28119	823.3	820.5	314.0	0.5	4.0 0.38	787.0	590.0	464.0	337.0	158.0	9.0	20.3	199.0	40.9
HA28120	994.8	994.5	326.6	1.4	8.3 0.33	987.0	778.0	642.0	512.0	344.0	218.0	12.6	447.3	28.4
HA28122	618.2	558.2	217.6	1.0	4.5 0.35	563.0	458.0	390.0	318.0	208.0	103.0	10.8	290.9	25.6
HA28123	662.2	673.5	221.7	-0.5	3.9 0.33	668.0	491.0	390.0	296.0	176.0	87.0	38.5	116.5	79.2
HA28130	1058.0	1111.6	398.2	0.0	5.2 0.38	1065.0	775.0	564.0	335.0	0.0	0.0	12.8	334.1	20.1
HA28133	807.2	802.2	370.8	1.2	6.6 0.46	749.0	477.0	448.0	396.0	119.0	0.0	2.2	450.9	9.4
HA28135	852.6	828.0	334.9	1.1	6.2 0.39	834.0	666.0	560.0	457.0	323.0	221.0	9.7	445.4	21.7
HA28136	1906.3	1810.6	353.9	0.4	4.5 0.19	1779.0	1656.0	1557.0	1335.0	1018.0	782.0	15.3	1290.8	22.7
HA28137	943.9	848.9	227.3	0.7	3.8 0.24	844.0	768.0	726.0	685.0	625.0	571.0	13.1	636.3	42.7
HA28145	991.6	968.0	415.2	0.5	5.5 0.42	957.0	716.0	556.0	394.0	162.0	0.0	13.8	330.5	26.0
HA28150	786.6	795.7	147.7	0.2	2.5 0.19	677.9	547.3	460.8	377.8	270.5	190.0	2.6	593.2	3.5
HA28152	723.9	683.9	180.4	0.5	3.2 0.25	677.0	569.0	513.0	459.0	385.0	323.0	6.3	490.8	13.3
HA28160	712.0	680.0	228.4	0.6	4.2 0.32	678.0	554.0	478.0	406.0	314.0	245.0	11.1	388.5	23.7
HA28161	720.4	711.8	153.4	0.6	3.3 0.21	691.0	597.0	542.0	491.0	425.0	376.0	5.8	536.4	10.8
HA28164	715.5	695.5	160.1	0.1	3.4 0.22	720.0	588.0	504.0	425.0	322.0	245.0	10.1	451.6	15.8
HA28172	413.8	362.0	244.3	1.2	6.7 0.59	343.0	222.0	145.0	58.0	0.0	0.0	4.7	148.3	9.7
HA28176	551.2	555.8	59.7	0.4	3.9 0.11	553.0	498.0	495.0	481.0	438.0	407.0	10.5	476.2	22.1
HA28178	597.9	605.8	170.7	-0.5	5.7 0.29	472.3	321.4	221.5	125.7	1.6	0.0	5.1	257.4	7.8
HA28179	399.4	406.4	136.6	0.2	2.6 0.34	385.0	269.0	206.0	147.0	73.0	17.0	5.4	225.2	8.0
HA28180	564.7	540.3	152.2	0.5	3.9 0.27	524.0	452.0	432.0	389.0	278.0	192.0	16.9	358.0	26.1
HA28182	517.5	528.3	99.6	1.1	7.0 0.19	498.0	425.0	400.0	357.0	268.0	200.0	4.3	395.2	11.2
HA28183	591.1	575.8	165.4	-0.9	7.3 0.28	604.0	481.0	403.0	329.0	231.0	158.0	29.6	225.8	52.7
HA28184	708.4	726.0	216.6	0.2	3.1 0.31	723.0	503.0	451.0	404.0	344.0	299.0	6.3	423.5	14.9
HA28186	401.1	250.1	259.8	1.0	3.9 0.65	247.0	219.0	203.0	187.0	165.0	143.0	1.7	205.2	8.9
HA28190	788.4	752.8	267.1	1.7	9.9 0.34	755.0	630.0	549.0	471.0	371.0	297.0	9.7	452.1	23.8
HA28191	891.6	822.0	265.3	0.1	4.4 0.30	836.0	721.0	631.0	492.0	277.0	115.0	17.9	425.1	26.7
HA28192	558.9	607.0	210.0	-1.0	6.9 0.38	618.0	503.0	374.0	194.0	0.0	0.0	21.1	103.0	28.0
HA28193	544.4	534.5	90.2	-0.1	4.3 0.17	535.0	473.0	445.0	418.0	380.0	348.0	18.2	392.0	37.6
HA28194	708.6	737.0	245.6	-0.1	3.6 0.35	527.9	310.8	167.1	29.2	0.0	0.0	3.1	336.6	4.4
HA28197	759.1	724.5	160.9	0.8	4.2 0.21	724.0	637.0	585.0	535.0	472.0	425.0	7.7	554.5	15.2
HA28199	565.5	567.8	170.1	0.2	5.0 0.30	562.0	431.0	348.0	269.0	168.0	92.0	11.0	275.1	19.0

Tabla C.209. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Tamaulipas.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA28003	530.4	650.6	770.8	891.0	1011.2	1131.4	1251.6	1371.8	1492.0	1612.2	11.1	7.4	18.5	7.4	33.3	3.7	3.7	3.7	3.7	7.4
HA28005	862.0	1005.5	1149.0	1292.5	1436.0	1579.5	1723.0	1866.5	2010.0	2153.5	3.8	11.5	11.5	15.3	26.9	19.2	3.8	3.8	0.0	3.8
HA28006	628.2	732.8	837.5	942.1	1046.7	1151.3	1255.9	1360.6	1465.2	1569.8	16.6	16.6	0.0	25.0	0.0	8.3	16.6	8.3	0.0	8.3
HA28007	263.5	359.1	454.7	550.3	645.9	741.5	837.1	932.7	1028.3	1123.9	10.3	3.4	0.0	13.7	17.2	20.6	20.6	3.4	3.4	6.8
HA28008	778.9	893.6	1008.2	1122.9	1237.6	1352.3	1467.0	1581.6	1696.3	1811.0	8.0	24.0	4.0	16.0	24.0	8.0	12.0	0.0	0.0	4.0
HA28009	403.7	481.9	560.2	638.4	716.6	794.8	873.0	951.3	1029.5	1107.7	7.6	7.6	11.5	26.9	11.5	3.8	11.5	3.8	7.6	7.6
HA28010	327.7	387.3	446.9	506.5	566.1	625.6	685.2	744.8	804.4	864.0	10.0	10.0	20.0	20.0	15.0	5.0	10.0	5.0	0.0	5.0
HA28012	514.3	677.0	839.7	1002.4	1165.1	1327.7	1490.4	1653.1	1815.8	1978.5	4.0	8.0	8.0	20.0	36.0	16.0	0.0	4.0	0.0	4.0
HA28014	137.6	223.0	308.5	393.9	479.3	564.7	650.1	735.6	821.0	906.4	7.4	7.4	18.5	11.1	22.2	11.1	0.0	11.1	0.0	11.1
HA28015	518.4	608.8	699.2	789.6	880.0	970.4	1060.8	1151.2	1241.6	1332.0	20.8	12.5	16.6	20.8	8.3	4.1	4.1	0.0	8.3	4.1
HA28019	438.9	549.8	660.7	771.6	882.5	993.4	1104.3	1215.2	1326.1	1437.0	4.0	16.0	12.0	20.0	16.0	12.0	8.0	4.0	4.0	4.0
HA28020	526.0	608.0	690.0	772.0	854.0	935.9	1017.9	1099.9	1181.9	1263.9	10.3	13.7	17.2	20.6	13.7	13.7	0.0	6.8	0.0	3.4
HA28021	398.8	481.0	563.3	645.5	727.8	810.0	892.3	974.5	1056.8	1139.0	14.2	9.5	23.8	4.7	0.0	28.5	0.0	9.5	4.7	4.7
HA28023	799.7	907.9	1016.2	1124.4	1232.7	1341.0	1449.2	1557.5	1665.7	1774.0	4.5	4.5	9.0	22.7	0.0	22.7	9.0	18.1	4.5	4.5
HA28024	552.9	675.9	798.8	921.8	1044.7	1167.6	1290.6	1413.5	1536.5	1659.4	16.6	22.2	5.5	16.6	22.2	5.5	5.5	0.0	0.0	5.5
HA28025	519.5	641.4	763.4	885.4	1007.4	1129.3	1251.3	1373.3	1495.2	1617.2	7.6	15.3	23.0	7.6	7.6	7.6	15.3	7.6	0.0	7.6
HA28028	446.5	521.8	597.0	672.3	747.5	822.7	898.0	973.2	1048.5	1123.7	6.8	6.8	24.1	3.4	20.6	6.8	6.8	10.3	6.8	6.8
HA28029	617.9	738.4	858.9	979.4	1099.9	1220.3	1340.8	1461.3	1581.8	1702.3	18.1	18.1	13.6	22.7	9.0	4.5	9.0	0.0	0.0	4.5
HA28030	303.6	396.2	488.9	581.5	674.2	766.9	859.5	952.2	1044.8	1137.5	4.3	17.3	8.6	17.3	17.3	4.3	8.6	0.0	4.3	4.3
HA28031	687.5	812.5	937.5	1062.5	1187.5	1312.4	1437.4	1562.4	1687.4	1812.4	25.0	0.0	16.6	16.6	16.6	8.3	0.0	8.3	0.0	8.3
HA28033	357.6	454.7	551.7	648.8	745.8	842.8	939.9	1036.9	1134.0	1231.0	10.3	6.8	3.4	13.7	24.1	17.2	3.4	10.3	3.4	6.8
HA28034	319.1	362.7	406.2	449.8	493.4	537.0	580.6	624.1	667.7	711.3	23.8	4.7	19.0	9.5	9.5	4.7	14.2	9.5	0.0	4.7
HA28038	433.8	553.7	673.7	793.6	913.6	1033.6	1153.5	1273.5	1393.4	1513.4	6.8	6.8	3.4	13.7	17.2	17.2	10.3	13.7	0.0	10.3
HA28039	277.6	328.2	378.7	429.3	479.8	530.3	580.9	631.4	682.0	732.5	3.4	6.8	13.7	20.6	13.7	13.7	10.3	6.8	3.4	6.8
HA28040	285.4	336.8	388.3	439.7	491.2	542.6	594.1	645.5	697.0	748.4	3.4	13.7	17.2	27.5	20.6	0.0	10.3	0.0	10.3	6.8
HA28041	376.9	458.2	539.6	620.9	702.2	783.5	864.8	946.2	1027.5	1108.8	6.8	10.3	20.6	6.8	10.3	17.2	6.8	10.3	6.8	3.4
HA28042	641.4	741.8	842.2	942.6	1043.0	1143.4	1243.8	1344.2	1444.6	1545.0	8.6	8.6	26.0	21.7	13.0	8.6	0.0	4.3	4.3	4.3
HA28043	817.4	909.7	1002.1	1094.5	1186.9	1279.2	1371.6	1464.0	1556.3	1648.7	8.6	8.6	4.3	4.3	13.0	17.3	17.3	0.0	17.3	8.6
HA28044	793.4	899.5	1005.6	1111.7	1217.8	1323.8	1429.9	1536.0	1642.1	1748.2	24.1	27.5	20.6	13.7	0.0	3.4	3.4	3.4	0.0	3.4
HA28045	644.3	807.6	970.8	1134.1	1297.4	1460.7	1624.0	1787.2	1950.5	2113.8	14.2	14.2	17.8	17.8	17.8	0.0	14.2	0.0	0.0	3.5
HA28047	412.7	487.8	562.9	638.0	713.1	788.1	863.2	938.3	1013.4	1088.5	23.8	14.2	4.7	14.2	19.0	0.0	9.5	4.7	4.7	4.7
HA28048	333.6	438.1	542.7	647.2	751.8	856.4	960.9	1065.5	1170.0	1274.6	7.6	3.8	15.3	19.2	23.0	7.6	7.6	3.8	3.8	7.6
HA28049	810.1	933.0	1056.0	1178.9	1301.9	1424.8	1547.8	1670.7	1793.7	1916.6	8.6	8.6	8.6	13.0	30.4	4.3	8.6	8.6	4.3	4.3
HA28050	483.5	574.6	665.6	756.7	847.7	938.7	1029.8	1120.8	1211.9	1302.9	6.8	10.3	13.7	20.6	13.7	13.7	10.3	3.4	3.4	3.4
HA28052	422.3	488.0	553.8	619.6	685.3	751.1	816.9	882.7	948.4	1014.2	10.5	10.5	15.7	5.2	10.5	21.0	15.7	0.0	0.0	10.5
HA28053	648.3	745.2	842.2	939.2	1036.2	1133.1	1230.1	1327.1	1424.0	1521.0	5.5	5.5	11.1	16.6	16.6	11.1	22.2	5.5	0.0	5.5
HA28054	632.8	729.6	826.4	923.2	1020.0	1116.7	1213.5	1310.3	1407.1	1503.9	8.6	13.0	4.3	30.4	4.3	13.0	8.6	8.6	4.3	4.3
HA28055	279.6	391.2	502.7	614.3	725.9	837.5	949.1	1060.6	1172.2	1283.8	4.3	0.0	4.3	13.0	21.7	26.0	13.0	4.3	4.3	8.6
HA28056	205.5	302.3	399.0	495.7	592.5	689.2	785.9	882.6	979.4	1076.1	5.8	0.0	0.0	11.7	11.7	17.6	23.5	5.8	11.7	11.7
HA28057	409.9	483.9	557.9	631.9	705.9	780.0	854.0	928.0	1002.0	1076.0	3.4	6.8	3.4	3.4	17.2	27.5	17.2	6.8	10.3	3.4
HA28058	612.7	675.8	739.0	802.1	865.2	928.3	991.4	1054.6	1117.7	1180.8	8.0	8.0	16.0	12.0	24.0	8.0	8.0	4.0	8.0	4.0
HA28059	666.3	740.8	815.2	889.7	964.1	1038.5	1113.0	1187.4	1261.9	1336.3	18.5	3.7	7.4	18.5	3.7	3.7	18.5	11.1	3.7	11.1
HA28060	686.6	773.6	860.7	947.7	1034.8	1121.9	1208.9	1296.0	1383.0	1470.1	19.2	15.3	3.8	3.8	11.5	3.8	7.6	19.2	3.8	11.5
HA28062	228.9	343.2	457.6	571.9	686.3	800.6	915.0	1029.3	1143.7	1258.0	3.8	7.6	19.2	15.3	23.0	3.8	11.5	0.0	7.6	7.6
HA28063	290.9	334.4	377.9	421.4	465.0	508.5	552.0	595.5	639.0	682.5	17.8	10.7	0.0	14.2	25.0	7.1	7.1	7.1	3.5	7.1
HA28065	353.9	413.1	472.3	531.5	590.7	649.9	709.1	768.3	827.5	886.7	14.2	21.4	4.2	10.7	7.1	10.7	7.1	3.5	3.5	7.1
HA28066	661.2	785.0	908.7	1032.5	1156.3	1280.1	1403.9	1527.6	1651.4	1775.2	8.3	16.6	8.3	16.6	8.3	16.6	16.6	0.0	0.0	8.3
HA28067	317.4	511.2	705.1	898.9	1092.8	1286.6	1480.5	1674.3	1868.2	2062.0	10.0	40.0	20.0	13.3	10.0	3.3	0.0	0.0	0.0	3.3
HA28069	759.5	926.5	1093.4	1260.4	1427.3	1594.2	1761.2	1928.1	2095.1	2262.0	4.3	0.0	7.3	4.3	30.4	8.6	17.3	13.0	0.0	4.3
HA28070	506.4	560.7	615.0	669.3	723.6	777.9	832.2	886.5	940.8	995.1	10.3	13.7	17.2	3.4	6.8	20.6	0.0	17.2	3.4	6.8
HA28071	455.7	510.8	565.9	621.1	676.2	731.4	786.5	841.7	896.8	952.0	24.1	6.8	4.4	6.8	10.3	6.8	0.0	3.4	3.4	3.4
HA28072	610.1	732.7	855.4	978.1	1100.8	1223.4	1346.1	1468.8	1591.4	1714.1	20.8	4.1	20.8	12.5	29.1	4.1	0.0	0.0	4.1	4.1
HA28073	442.8	554.9	666.9	779.0	891.1	1003.2	1115.3	1227.3	1339.4	1451.5	8.6	0.0	21.7	26.0	17.3	13.0	4.3	0.0	4.3	4.3
HA28075	488.8	579.6	670.3	761.1	851.8	942.5	1033.3	1124.0	1214.8	1305.5	17.8	14.2	7.8	17.8	0.0	14.2	7.1	7.1	0.0	3.5
HA28076	611.9	669.2	726.5	783.8	841.1	898.5	955.8	1013.1	1070.4	1127.7	18.7	6.2	11.2	6.2	12.5	0.0	18.7	0.0	0.0	6.2
HA28077	691.2	794.7	898.3	1001.8	1105.3	1208.8	1312.3	1415.9	1519.4	1622.9	18.5	7.4	8.5	11.1	11.1	14.8	3.7	3.7	0.0	11.1
HA28080	739.4	803.6	867.7	931.9	996.0	1060.1	1124.3	1188.4	1252.6	1316.7	11.1	11.1	5.5	5.5	11.1	5.5	27.7	0.0	5.5	16.6
HA28081	565.7	669.4	773.1	876.8	980.6	1084.3	1188.0	1291.7	1395.4	1499.1	8.6	30.4	30.4	13.0	4.3	8.6	0.0	0.0	0.0	4.3

Tabla C.210. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Tamaulipas.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
→	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA28082	375.2	463.4	551.6	639.8	728.0	816.2	904.4	992.6	1080.8	1169.0	13.0	13.0	30.4	21.7	4.3	4.3	4.3	0.0	4.3	4.3
HA28083	979.2	1094.7	1210.3	1325.8	1441.4	1557.0	1672.5	1788.1	1903.6	2019.2	16.6	16.6	5.5	22.2	11.1	16.6	5.5	0.0	0.0	5.5
HA28084	503.1	589.5	675.8	762.1	848.4	934.8	1021.1	1107.4	1193.8	1280.1	3.4	13.7	13.7	27.5	17.2	6.8	6.8	6.8	0.0	3.4
HA28085	648.0	706.2	764.5	822.7	881.0	939.2	997.5	1055.7	1114.0	1172.2	4.3	0.0	4.3	17.3	4.3	17.3	13.0	17.3	8.6	13.0
HA28086	422.1	498.8	575.4	652.0	728.7	805.3	881.9	958.5	1035.2	1111.8	11.1	3.7	18.5	11.1	29.6	11.1	3.7	3.7	0.0	7.4
HA28087	665.5	744.6	823.6	902.7	981.7	1060.7	1139.8	1218.8	1297.9	1376.9	20.0	36.0	8.0	8.0	12.0	8.0	0.0	0.0	0.0	8.0
HA28088	561.0	694.8	828.6	962.4	1096.3	1230.1	1363.9	1497.7	1631.5	1765.3	20.0	6.6	13.3	26.6	0.0	13.3	6.6	0.0	6.6	6.6
HA28089	556.0	675.6	795.3	914.9	1034.5	1154.1	1273.7	1393.4	1513.0	1632.6	10.7	17.8	10.7	21.4	7.1	10.7	10.7	3.5	0.0	7.1
HA28091	180.7	219.3	258.0	296.6	335.2	373.9	412.5	451.2	489.8	528.5	13.0	8.6	8.6	13.0	4.3	8.6	21.7	8.6	8.6	4.3
HA28093	351.3	435.4	519.6	603.7	687.8	771.9	856.0	940.2	1024.3	1108.4	29.4	23.5	11.7	11.7	11.7	5.8	0.0	0.0	0.0	5.8
HA28094	532.4	607.4	682.4	757.4	832.4	907.5	982.5	1057.5	1132.5	1207.5	15.3	7.6	7.6	11.5	7.6	15.3	11.5	3.8	3.8	15.3
HA28096	294.0	344.3	394.7	445.1	495.5	545.8	596.2	646.6	696.9	747.3	14.2	3.5	10.7	17.8	10.7	3.5	17.8	7.1	3.5	3.5
HA28098	651.4	753.4	855.3	957.2	1059.2	1161.1	1263.0	1364.9	1466.9	1568.8	16.6	0.0	8.3	8.3	16.6	25.0	8.3	8.3	0.0	8.3
HA28099	300.4	412.6	524.8	637.0	749.2	861.4	973.6	1085.8	1198.0	1310.2	22.2	22.2	18.5	11.1	11.1	3.7	7.4	0.0	0.0	3.7
HA28100	213.8	316.6	419.4	522.2	625.0	727.8	830.6	933.4	1036.2	1139.0	7.4	18.5	25.9	14.8	18.5	7.4	3.7	0.0	0.0	3.7
HA28102	247.5	381.1	514.6	648.1	781.7	915.2	1048.7	1182.2	1315.8	1449.3	14.8	22.2	29.6	18.5	3.7	3.7	3.7	0.0	0.0	3.7
HA28103	187.7	255.8	323.9	392.0	460.1	528.2	596.3	664.4	732.5	800.6	4.7	4.7	0.0	9.5	23.8	19.0	9.5	0.0	9.5	19.0
HA28104	199.5	285.6	371.6	457.6	543.7	629.7	715.7	801.7	887.8	973.8	11.1	22.2	7.4	14.8	18.5	3.7	11.1	3.7	3.7	3.7
HA28105	220.1	321.0	421.9	522.8	623.7	724.7	825.6	926.5	1027.4	1128.3	11.1	22.2	0.0	25.9	22.2	7.4	0.0	7.4	0.0	3.7
HA28106	187.3	278.2	369.2	460.1	551.1	642.0	733.0	823.9	914.9	1005.8	11.1	7.4	18.5	7.4	14.8	14.8	14.8	3.7	0.0	7.4
HA28107	159.3	250.6	341.9	433.2	524.4	615.7	707.0	798.3	889.6	980.9	11.1	3.7	22.2	11.1	22.2	7.4	7.4	7.4	0.0	7.4
HA28111	282.2	432.6	583.1	733.5	884.0	1034.4	1184.9	1335.3	1485.8	1636.2	3.8	0.0	3.8	7.6	7.6	34.6	7.6	11.5	15.3	7.6
HA28112	454.9	583.5	712.1	840.7	969.4	1098.0	1226.6	1355.2	1483.8	1612.4	4.3	2.7	13.0	21.7	17.3	8.6	8.6	0.0	0.0	4.3
HA28113	331.2	513.5	695.9	878.3	1060.7	1243.0	1425.4	1607.8	1790.1	1972.5	4.1	8.3	8.3	8.3	25.0	16.6	4.1	8.3	4.1	12.5
HA28114	257.5	351.4	445.2	539.0	632.9	726.7	820.5	914.3	1008.2	1102.0	24.1	6.8	34.4	20.6	3.4	6.8	0.0	0.0	0.0	3.4
HA28115	144.0	204.8	265.6	326.4	387.2	447.9	508.7	569.5	630.3	691.1	3.4	6.8	24.1	13.7	24.1	13.7	10.3	0.0	0.0	3.4
HA28117	507.6	603.2	698.7	794.3	889.9	985.5	1081.1	1176.6	1272.2	1367.8	3.4	3.4	13.7	17.2	13.7	6.8	17.2	13.7	6.8	3.4
HA28118	533.9	615.4	696.8	778.3	859.7	941.1	1022.6	1104.0	1185.5	1266.9	3.8	0.0	19.2	15.3	7.6	11.5	11.5	3.8	15.3	11.5
HA28119	334.0	469.0	604.1	739.1	874.1	1009.1	1144.1	1279.2	1414.2	1549.2	3.8	0.0	23.0	15.3	23.0	11.5	11.5	0.0	3.8	7.6
HA28120	598.0	748.6	899.3	1049.9	1200.6	1351.2	1501.9	1652.5	1803.2	1953.8	5.8	1.7	17.6	35.2	11.7	11.7	0.0	0.0	0.0	5.8
HA28122	382.4	473.8	565.3	656.7	748.2	839.7	931.1	1022.6	1114.0	1205.5	7.1	17.8	28.5	14.2	7.1	7.1	10.7	0.0	3.5	3.5
HA28123	209.8	303.0	396.3	489.5	582.8	676.0	769.3	862.5	955.8	1049.0	7.1	0.0	3.5	3.5	21.4	14.2	17.8	17.8	3.5	10.7
HA28130	485.2	636.4	787.5	938.7	1089.8	1240.9	1392.1	1543.2	1694.4	1845.5	8.3	8.3	8.3	8.3	16.6	33.3	0.0	8.3	0.0	8.3
HA28133	568.4	685.9	803.4	920.9	1038.4	1155.8	1273.3	1390.8	1508.3	1625.8	40.0	0.0	10.0	20.0	10.0	0.0	10.0	0.0	0.0	10.0
HA28135	564.7	684.1	803.4	922.7	1042.1	1161.4	1280.7	1400.0	1519.4	1638.7	16.6	16.6	8.3	25.0	16.6	0.0	8.3	0.0	0.0	8.3
HA28136	1428.9	1567.0	1705.1	1843.2	1981.4	2119.5	2257.6	2395.7	2533.8	2671.9	7.1	0.0	21.4	21.4	7.1	7.1	28.5	0.0	0.0	7.1
HA28137	710.4	784.4	858.5	932.6	1006.7	1080.7	1154.8	1228.9	1302.9	1377.0	8.3	25.0	25.0	0.0	8.3	8.3	0.0	16.6	0.0	8.3
HA28145	481.6	632.7	783.8	934.9	1086.0	1237.1	1388.2	1539.3	1690.4	1841.5	9.0	9.0	9.0	18.1	27.2	9.0	0.0	9.0	0.0	9.0
HA28150	639.1	684.9	730.8	776.6	822.5	868.4	914.2	960.1	1005.9	1051.8	18.7	18.7	6.2	0.0	18.7	0.0	6.2	25.0	0.0	6.2
HA28152	550.1	609.4	668.8	728.1	787.4	846.7	906.0	965.4	1024.7	1084.0	25.0	0.0	18.7	12.5	6.2	12.5	6.2	6.2	6.2	6.2
HA28160	466.5	544.5	622.5	700.5	778.5	856.5	934.5	1012.5	1090.5	1168.5	15.3	7.6	7.6	30.7	7.6	7.6	7.6	0.0	7.6	7.6
HA28161	584.7	632.9	681.2	729.4	777.7	825.9	874.2	922.4	970.7	1018.9	28.5	14.2	0.0	21.4	7.1	0.0	7.1	14.2	0.0	7.1
HA28164	503.5	555.4	607.3	659.2	711.1	762.9	814.8	866.7	918.6	970.5	7.6	15.3	0.0	15.3	15.3	7.6	7.6	15.3	0.0	15.3
HA28172	228.8	309.3	389.8	470.3	550.8	631.4	711.9	792.4	872.9	953.4	20.0	20.0	20.0	0.0	20.0	10.0	0.0	0.0	0.0	10.0
HA28176	494.3	512.4	530.4	548.5	566.6	584.7	602.8	620.8	638.9	657.0	20.0	20.0	0.0	0.0	30.0	0.0	0.0	20.0	0.0	10.0
HA28178	318.2	379.1	439.9	500.8	561.6	622.4	683.3	744.1	805.0	865.8	10.0	0.0	0.0	10.0	30.0	0.0	20.0	10.0	10.0	10.0
HA28179	262.6	299.9	337.3	374.7	412.1	449.4	486.8	524.2	561.5	598.9	18.1	27.2	0.0	0.0	9.0	9.0	0.0	9.0	18.1	9.0
HA28180	404.3	450.6	496.9	543.2	589.5	635.8	682.1	728.4	774.7	821.0	10.0	20.0	20.0	0.0	0.0	30.0	0.0	0.0	10.0	10.0
HA28182	429.7	464.2	498.6	533.1	567.6	602.1	636.6	671.0	705.5	740.0	20.0	20.0	0.0	0.0	20.0	10.0	0.0	0.0	0.0	10.0
HA28183	287.1	348.3	409.6	470.9	532.2	593.4	654.7	716.0	777.2	838.5	10.0	0.0	0.0	0.0	10.0	40.0	0.0	20.0	10.0	10.0
HA28184	483.8	544.1	604.3	664.6	724.9	785.2	845.5	905.7	966.0	1026.3	18.1	9.0	18.1	0.0	0.0	9.0	18.1	9.0	0.0	18.1
HA28186	270.9	336.6	402.2	467.9	533.6	599.3	665.0	730.6	796.3	862.0	60.0	0.0	10.0	0.0	0.0	0.0	0.0	10.0	10.0	10.0
HA28190	551.8	651.5	751.2	850.9	950.6	1050.2	1149.9	1249.6	1349.3	1449.0	10.0	0.0	30.0	30.0	10.0	0.0	0.0	0.0	0.0	10.0
HA28191	517.3	609.6	701.8	794.1	886.3	978.5	1070.8	1163.0	1255.3	1347.5	9.0	0.0	9.0	18.1	18.1	0.0	27.2	0.0	9.0	9.0
HA28192	179.9	256.7	333.6	410.5	487.4	564.2	641.1	718.0	794.8	871.7	10.0	0.0	0.0	10.0	10.0	10.0	20.0	30.0	0.0	10.0
HA28193	421.5	451.0	480.5	510.0	539.5	569.0	598.5	628.0	657.5	687.0	10.0	0.0	0.0	30.0	0.0	10.0	10.0	10.0	10.0	10.0
HA28194	414.4	492.1	569.9	647.6	725.4	803.1	880.9	958.6	1036.4	1114.1	18.1	9.0	9.0	0.0	9.0	18.1	18.1	0.0	0.0	9.0
HA28197	603.6	652.6	701.7	750.7	799.8	848.9	897.9	947.0	996.0	1045.1	9.0	8.1	18.1	18.1	9.0	0.0	9.0	0.0	0.0	18.1
HA28199	336.6	398.1	459.5	521.0	582.5	644.0	705.5	766.9	828.4	889.9	9.0	0.0	18.1	9.0	18.1	9.0	18.1	9.0	0.0	9.0

Estación	Características promedio de la sequía meteorológica									Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DeavStd PerS	Duración	DeavStd DS	Severidad	DeavStd SS	Intensidad	% de IS	lluvia disponible		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s	Hp disp S(mm)		
HA28003	4.0	1.6	2.0	0.7	444.4	294.6	222.1	24.0	694.7	4.9	MUY VASTA
HA28005	4.7	2.3	1.8	0.8	489.5	360.3	271.9	20.0	1043.5	7.0	SEVERA
HA28006	3.5	1.5	2.3	1.2	516.5	368.4	224.5	23.0	729.6	3.9	MUY VASTA
HA28007	4.6	1.9	1.9	1.4	361.4	479.8	190.2	28.0	466.8	5.9	VASTA
HA28008	10.0	7.0	3.6	3.0	845.3	665.4	234.8	21.0	854.3	3.8	EXTREMADAMENTE VASTA
HA28009	3.6	2.1	2.1	1.1	319.2	226.9	152.0	22.0	534.9	4.2	MUY VASTA
HA28010	3.3	1.0	2.0	1.0	189.2	167.5	94.5	18.0	404.1	4.2	MUY SEVERA
HA28012	4.1	2.4	2.0	1.0	425.0	433.5	212.5	20.0	832.6	5.1	MUY SEVERA
HA28014	4.5	1.0	2.4	0.9	387.9	258.6	161.6	37.0	267.8	4.9	MUY CRITICA
HA28015	4.1	2.9	2.6	2.8	364.0	467.2	140.0	18.0	597.2	3.8	MUY SEVERA
HA28019	3.2	1.1	1.8	0.9	320.8	305.8	178.2	22.0	606.2	3.9	VASTA
HA28020	4.0	1.5	2.1	1.3	293.9	159.4	139.9	18.0	602.9	4.8	MUY SEVERA
HA28021	4.0	1.4	1.8	0.8	329.9	186.3	183.2	27.0	472.4	4.0	VASTA
HA28023	3.3	1.3	1.6	0.7	410.3	260.3	256.4	20.0	983.7	5.4	SEVERA
HA28024	2.7	0.7	1.5	0.5	345.8	197.5	230.5	27.0	601.4	3.3	VASTA
HA28025	4.0	1.0	2.6	0.9	605.6	273.8	232.9	25.0	675.4	3.7	MUY VASTA
HA28028	5.0	2.6	2.5	1.4	408.8	320.6	163.5	22.0	557.8	4.7	MUY VASTA
HA28029	5.0	1.0	2.3	1.4	485.8	346.1	211.2	24.0	657.6	6.2	MUY VASTA
HA28030	3.2	0.9	2.0	1.8	322.1	493.8	161.0	26.0	445.2	4.7	MUY VASTA
HA28031	2.5	0.5	1.3	0.4	332.4	202.1	255.6	24.0	780.3	4.8	VASTA
HA28033	4.5	2.4	2.1	1.1	376.0	510.2	179.0	24.0	539.0	5.2	MUY VASTA
HA28034	3.5	0.8	2.3	1.3	209.5	122.1	91.0	20.0	353.8	3.9	MUY SEVERA
HA28038	3.9	2.0	2.0	1.3	425.8	607.9	212.8	23.0	707.3	4.4	MUY VASTA
HA28039	4.3	2.2	2.2	1.5	199.4	196.5	90.6	19.0	371.1	5.2	MUY SEVERA
HA28040	3.9	1.8	2.2	1.6	151.2	149.0	68.7	15.0	370.5	4.1	MUY SEVERA
HA28041	5.0	2.0	2.5	1.4	418.8	320.9	167.5	25.0	491.2	4.7	MUY VASTA
HA28042	3.5	1.3	1.8	0.8	292.3	193.2	162.3	17.0	757.0	4.5	SEVERA
HA28043	3.0	1.0	1.2	0.4	304.5	174.5	253.7	20.0	964.2	6.3	SEVERA
HA28044	4.5	1.4	2.8	1.5	422.7	225.9	150.9	15.0	814.3	3.2	MUY SEVERA
HA28045	3.8	0.9	2.0	1.1	518.6	619.2	259.2	25.0	771.8	4.8	MUY VASTA
HA28047	2.8	0.3	1.6	0.7	306.3	150.9	191.4	30.0	429.4	2.8	VASTA
HA28048	5.0	1.7	2.5	1.8	444.0	456.8	177.6	25.0	526.5	4.1	MUY VASTA
HA28049	6.6	3.7	3.2	2.8	681.8	566.2	213.0	17.0	1014.3	4.5	EXTREMADAMENTE SEVERA
HA28050	3.9	2.2	2.0	1.1	296.9	263.1	148.4	19.0	624.3	4.2	MUY SEVERA
HA28052	3.0	0.8	1.3	0.4	236.1	62.1	181.6	27.0	474.0	4.6	VASTA
HA28053	5.3	2.0	2.5	1.5	421.2	449.0	168.4	16.0	845.0	4.0	MUY SEVERA
HA28054	4.1	1.1	2.3	1.1	391.0	263.4	170.0	17.0	780.3	4.1	MUY SEVERA
HA28055	7.0	1.6	3.0	1.8	512.3	436.0	170.7	22.0	597.7	4.6	EXTREMADAMENTE VASTA
HA28056	4.3	1.6	2.0	1.0	340.1	309.2	170.0	24.0	515.4	9.4	MUY VASTA
HA28057	3.2	1.0	1.6	0.8	204.7	131.4	127.9	17.0	613.7	5.1	SEVERA
HA28058	5.2	1.2	3.0	1.0	297.8	172.3	99.2	12.0	723.1	3.8	EXTREMADAMENTE SEVERA
HA28059	3.7	1.4	1.7	0.8	336.7	124.7	198.0	20.0	750.5	4.5	SEVERA
HA28060	3.5	1.0	1.7	0.8	398.9	109.3	234.6	23.0	773.3	4.2	VASTA
HA28062	3.1	1.5	1.6	1.5	315.4	296.9	197.1	31.0	433.2	4.8	CRITICA
HA28063	3.0	0.8	1.7	0.9	149.4	172.4	87.8	20.0	342.8	4.3	SEVERA
HA28065	3.8	2.2	2.0	1.4	234.8	214.9	117.4	22.0	400.7	3.7	MUY VASTA
HA28066	4.0	1.0	2.3	1.2	530.5	473.5	230.6	21.0	844.9	3.9	MUY VASTA
HA28067	4.5	1.8	2.5	1.3	567.3	336.2	226.9	37.0	380.7	2.7	MUY CRITICA
HA28069	4.0	1.8	2.6	1.7	646.6	559.5	248.6	17.0	1170.1	4.6	MUY SEVERA
HA28070	4.1	2.1	2.0	1.0	271.7	115.5	135.8	19.0	557.9	4.1	MUY SEVERA
HA28071	3.9	2.2	2.3	1.8	183.6	196.8	79.8	13.0	491.5	3.5	MUY SEVERA
HA28072	3.1	0.6	2.0	1.4	369.8	237.5	184.8	20.0	718.2	4.0	MUY SEVERA
HA28073	4.2	1.1	2.1	1.0	351.2	200.5	167.2	21.0	618.2	4.9	MUY VASTA
HA28075	4.3	2.2	2.2	1.2	364.8	236.8	165.8	23.0	554.9	4.3	MUY VASTA
HA28076	6.0	1.0	3.3	1.2	321.0	104.1	97.2	12.0	667.1	3.5	EXTREMADAMENTE SEVERA
HA28077	4.3	1.7	2.1	1.3	446.6	360.4	212.6	21.0	794.2	3.8	MUY VASTA
HA28080	8.0	4.0	2.6	1.2	481.1	161.7	185.0	18.0	822.1	3.9	MUY SEVERA
HA28081	6.0	3.2	4.0	1.8	416.3	195.1	104.0	13.0	653.3	3.4	MUY SEVERA

Tabla C.211. Características de la sequía promedio de cada estación climatológica del estado de Tamaulipas.

Estación	Características promedio de la sequía meteorológica										Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	lluvia disponible			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s	Hp disp S(mm)	Hp disp S(mm)		
HA28082	4.7	1.6	3.0	1.6	344.3	61.6	114.7	20.0	458.0	3.8	EXTREMADAMENTE SEVERA	
HA28083	3.7	0.4	2.0	0.8	398.4	223.6	199.1	15.0	1070.3	3.7	MUY SEVERA	
HA28084	3.9	2.6	2.1	1.4	245.3	300.0	116.8	15.0	649.1	4.1	MUY SEVERA	
HA28085	3.5	1.8	1.5	1.0	187.9	163.3	125.2	13.0	816.1	4.9	SEVERA	
HA28086	3.0	0.8	1.4	0.6	198.9	161.7	142.0	21.0	518.1	5.0	VASTA	
HA28087	4.5	1.6	3.1	1.4	397.6	207.6	128.2	15.0	683.2	3.3	EXTREMADAMENTE SEVERA	
HA28088	2.6	0.4	1.5	0.5	364.4	287.6	242.9	25.0	699.2	3.8	VASTA	
HA28089	2.8	0.5	1.8	1.1	402.4	356.8	223.5	25.0	663.1	3.9	VASTA	
HA28091	3.1	1.4	1.5	1.0	155.7	123.0	103.8	31.0	222.2	4.6	CRITICA	
HA28093	4.0	1.5	2.2	1.4	260.3	97.4	118.3	24.0	368.9	2.9	MUY VASTA	
HA28094	4.1	1.7	1.9	0.5	391.4	244.0	206.0	25.0	61.4	6.2	VASTA	
HA28096	4.1	2.7	2.0	1.0	227.8	196.0	113.9	23.0	36.8	4.7	MUY VASTA	
HA28098	2.3	0.4	1.5	0.5	335.3	192.0	223.5	21.0	802.2	4.8	VASTA	
HA28099	4.6	2.0	2.8	1.0	438.5	267.1	156.6	30.0	353.1	2.4	MUY VASTA	
HA28100	3.2	1.1	2.0	1.2	253.6	306.0	126.8	28.0	323.3	4.1	MUY VASTA	
HA28102	3.8	1.5	2.2	1.4	367.4	380.4	167.0	34.0	319.6	4.0	MUY CRITICA	
HA28103	5.3	1.6	3.2	1.9	373.7	370.1	116.7	22.0	393.8	4.4	EXTREMADAMENTE VASTA	
HA28104	3.3	1.2	2.1	1.8	338.1	358.0	161.0	36.0	282.8	4.4	MUY CRITICA	
HA28105	3.6	2.2	1.9	1.3	357.3	374.2	188.0	39.0	292.9	4.9	CRITICA	
HA28106	3.1	0.9	1.8	1.2	313.7	380.3	174.2	36.0	309.4	3.8	CRITICA	
HA28107	3.6	1.2	1.9	1.3	347.2	346.7	182.7	40.0	269.0	5.0	CRITICA	
HA28111	3.0	1.0	1.7	0.9	374.7	391.1	220.4	21.0	816.8	5.4	VASTA	
HA28112	5.0	2.5	1.9	1.0	452.9	317.7	238.3	29.0	56.0	5.7	VASTA	
HA28113	3.2	0.8	1.6	0.6	563.3	357.8	352.0	32.0	733.9	4.9	CRITICA	
HA28114	3.5	1.8	1.8	1.6	201.7	324.5	112.0	27.0	299.4	4.2	VASTA	
HA28115	4.6	1.3	2.2	1.0	192.5	95.3	87.5	26.0	243.1	4.5	MUY VASTA	
HA28117	2.8	0.9	1.5	0.8	278.2	236.6	185.4	20.0	712.5	4.4	SEVERA	
HA28118	3.0	1.0	1.5	0.8	287.3	216.1	191.5	21.0	707.0	3.2	VASTA	
HA28119	4.0	1.4	2.1	0.9	432.7	248.8	206.0	25.0	617.3	4.3	MUY VASTA	
HA28120	3.0	1.0	1.5	1.1	302.5	255.8	201.6	20.0	793.1	4.7	SEVERA	
HA28122	6.2	1.9	3.6	1.0	461.5	417.4	128.1	20.0	490.0	3.7	EXTREMADAMENTE SEVERA	
HA28123	4.3	2.0	1.9	1.1	347.8	258.4	183.0	27.0	479.1	5.4	VASTA	
HA28130	5.0	0.0	2.5	1.5	870.6	146.8	348.2	32.0	709.7	6.2	MUY CRITICA	
HA28133	6.0	0.5	3.5	0.5	654.9	644.7	187.1	23.0	620.0	2.1	EXTREMADAMENTE VASTA	
HA28135	3.3	1.2	1.7	1.2	368.6	246.6	216.8	25.0	635.8	6.1	VASTA	
HA28136	3.3	1.2	2.0	1.2	506.1	437.1	253.0	13.0	1653.3	5.2	MUY SEVERA	
HA28137	3.3	1.2	1.7	1.2	286.3	243.8	168.4	17.0	775.4	4.5	SEVERA	
HA28145	3.5	0.5	2.0	0.8	549.4	378.2	274.7	27.0	715.9	5.0	MUY VASTA	
HA28150	3.0	0.5	2.3	0.4	336.4	39.8	146.2	18.0	640.4	2.5	MUY SEVERA	
HA28152	5.5	2.5	3.0	2.1	401.1	345.8	133.6	18.0	590.3	3.9	EXTREMADAMENTE SEVERA	
HA28160	3.5	0.5	2.6	0.4	372.5	159.7	143.2	20.0	568.8	4.4	MUY SEVERA	
HA28161	2.2	0.4	1.6	0.7	173.7	157.7	108.5	15.0	613.9	4.2	SEVERA	
HA28164	2.3	0.4	1.7	0.8	212.1	150.8	124.7	17.0	590.7	4.9	SEVERA	
HA28172	3.0	1.0	2.0	1.4	306.2	287.8	153.1	36.0	260.7	3.5	MUY CRITICA	
HA28176	4.0	0.5	2.5	1.5	118.5	65.3	47.4	8.0	508.8	2.7	MODERADA	
HA28178	3.0	0.8	1.2	0.4	166.1	104.6	138.4	23.0	459.5	2.1	VASTA	
HA28179	4.5	1.5	1.6	0.4	218.0	85.5	136.2	34.0	263.2	5.3	CRITICA	
HA28180	3.0	0.8	1.2	0.4	159.3	51.1	132.7	23.0	432.0	10.1	VASTA	
HA28182	1.3	1.3	4.0	0.5	361.1	0.5	90.2	17.0	427.2	4.6	VASTA	
HA28183	3.0	1.0	2.0	1.4	192.4	193.0	96.1	16.0	495.0	4.5	MUY SEVERA	
HA28184	3.3	0.4	1.2	0.4	252.8	166.5	210.6	29.0	497.7	5.3	VASTA	
HA28186	2.5	0.5	2.3	1.8	367.8	351.8	159.9	39.0	241.1	2.3	MUY CRITICA	
HA28190	4.5	2.5	1.9	1.4	283.6	221.9	149.2	18.0	639.2	4.6	SEVERA	
HA28191	3.3	1.2	1.5	0.5	292.8	244.5	195.1	21.0	695.4	6.2	VASTA	
HA28192	2.5	0.5	1.3	0.4	251.5	179.7	193.4	34.0	365.4	10.4	CRITICA	
HA28193	4.5	0.5	1.6	0.9	121.2	75.5	75.7	13.0	468.6	5.5	SEVERA	
HA28194	5.0	0.0	2.5	0.5	545.4	60.8	218.1	30.0	490.5	2.3	MUY VASTA	
HA28197	3.5	0.5	2.3	1.2	231.6	78.6	100.6	13.0	658.5	3.8	MUY SEVERA	
HA28199	2.5	0.5	1.6	0.9	235.3	195.1	147.0	25.0	418.5	5.5	VASTA	

Tabla C.211. Características de la sequía promedio de cada estación climatológica del estado de Tamaulipas.

Estación	Características máximas registradas de la sequía meteorológica								Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I' = Smáx/Dmáx$	% de I'	Intensidad	Duración / $máx$	% de $I máx$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años	
	$S máx(mm)$	$D máx(años)$	$I' (mm/año)$	respecto a X_e	$I máx(mm/año)$	$D I máx(años)$	respecto a X_e	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
HA28003	1031.8	3.0	343.9	37.0	343.9	3.0	37.0	28.5	42.8	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA28005	1157.3	3.0	385.7	29.0	385.7	3.0	29.0	50.0	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA28006	993.1	4.0	248.2	26.0	248.2	4.0	26.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	
HA28007	1455.6	5.0	291.1	44.0	489.1	1.0	74.0	57.1	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	
HA28008	1758.2	8.0	219.7	20.0	293.3	2.0	26.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0	
HA28009	852.2	4.0	213.0	31.0	213.0	4.0	31.0	42.8	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	
HA28010	450.7	4.0	225.3	45.0	225.3	2.0	45.0	33.3	50.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	
HA28012	1342.5	2.0	335.6	32.0	335.6	4.0	32.0	33.3	50.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	
HA28014	880.9	4.0	220.2	51.0	220.2	4.0	51.0	16.6	33.3	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	
HA28015	1347.6	9.0	149.7	20.0	246.4	2.0	33.0	50.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0	
HA28019	1072.3	4.0	268.0	34.0	268.0	4.0	34.0	37.5	50.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	
HA28020	603.2	5.0	120.6	16.0	298.8	1.0	40.0	42.8	28.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	
HA28021	531.6	3.0	177.2	27.0	339.1	1.0	51.0	50.0	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA28023	770.9	2.0	385.4	31.0	385.4	2.0	31.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA28024	691.3	2.0	345.6	41.0	345.6	2.0	41.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA28025	968.5	4.0	242.1	26.0	270.5	2.0	29.0	0.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	
HA28028	1081.8	5.0	216.3	29.0	216.3	5.0	29.0	33.3	33.3	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0	
HA28029	1064.2	5.0	212.8	24.0	326.9	1.0	37.0	40.0	20.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	
HA28030	1413.6	6.0	235.6	38.0	267.2	1.0	44.0	66.6	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0	
HA28031	559.3	2.0	279.6	26.0	358.4	1.0	34.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA28033	1585.8	4.0	396.4	55.0	396.4	4.0	55.0	42.8	14.2	28.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0	
HA28034	403.4	5.0	80.6	18.0	134.6	2.0	30.0	20.0	60.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	
HA28038	1997.1	5.0	399.4	43.0	399.4	5.0	43.0	50.0	25.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	
HA28039	645.5	5.0	129.1	27.0	129.1	5.0	27.0	57.1	0.0	14.2	4.2	14.2	0.0	0.0	0.0	0.0	0.0	
HA28040	488.6	3.0	162.8	37.0	162.8	3.0	37.0	50.0	12.5	25.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0	
HA28041	879.5	5.0	175.9	26.0	240.2	1.0	36.0	33.3	33.3	0.0	6.6	16.6	0.0	0.0	0.0	0.0	0.0	
HA28042	620.9	3.0	206.9	22.0	267.5	2.0	29.0	42.8	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA28043	522.9	2.0	261.4	21.0	424.8	1.0	34.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA28044	756.4	4.0	189.1	19.0	209.8	1.0	21.0	33.3	16.6	0.0	3.3	16.6	0.0	0.0	0.0	0.0	0.0	
HA28045	2105.6	4.0	526.4	51.0	526.4	4.0	51.0	50.0	12.5	25.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	
HA28047	638.5	3.0	212.8	34.0	255.9	1.0	41.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA28048	1172.7	5.0	234.5	33.0	234.5	5.0	33.0	50.0	16.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	
HA28049	1567.1	8.0	195.8	15.0	390.6	1.0	31.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	
HA28050	789.4	4.0	197.3	25.0	224.4	3.0	29.0	50.0	12.5	25.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	
HA28052	301.4	2.0	150.7	22.0	299.1	1.0	45.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA28053	1192.0	5.0	238.4	23.0	259.4	1.0	25.0	25.0	50.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	
HA28054	732.9	4.0	183.2	19.0	235.8	3.0	24.0	33.3	16.6	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	
HA28055	1240.8	6.0	206.8	26.0	237.1	1.0	30.0	25.0	25.0	25.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	
HA28056	833.6	3.0	277.8	40.0	277.8	3.0	40.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA28057	405.7	1.0	405.7	54.0	405.7	1.0	54.0	55.5	22.2	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA28058	485.1	3.0	161.7	19.0	161.7	3.0	19.0	0.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	
HA28059	593.3	3.0	197.7	20.0	328.1	1.0	34.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA28060	602.1	2.0	301.0	29.0	408.4	1.0	40.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA28062	1078.0	6.0	179.6	28.0	515.8	1.0	81.0	77.7	11.1	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	
HA28063	452.8	3.0	150.9	35.0	183.2	1.0	42.0	55.5	11.1	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
HA28065	656.0	5.0	131.2	25.0	190.4	1.0	36.0	62.5	0.0	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	
HA28066	1164.9	4.0	291.2	27.0	291.2	4.0	27.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	
HA28067	1178.6	4.0	294.6	48.0	300.1	1.0	49.0	28.5	28.5	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0	
HA28069	1651.6	6.0	275.2	19.0	394.8	2.0	27.0	20.0	60.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	
HA28070	459.3	3.0	153.1	22.0	203.8	1.0	29.0	42.8	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	
HA28071	589.2	5.0	117.8	20.0	117.8	5.0	20.0	50.0	25.0	0.0	0.0	12.5	12.5	0.0	0.0	0.0	0.0	
HA28072	706.5	3.0	235.5	26.0	363.0	1.0	40.0	57.1	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	
HA28073	628.6	2.0	314.2	40.0	314.2	2.0	40.0	33.3	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	
HA28075	886.5	5.0	177.3	24.0	207.5	2.0	28.0	28.5	42.8	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	
HA28076	468.3	5.0	93.6	12.0	126.3	2.0	16.0	0.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	
HA28077	1121.4	3.0	373.8	37.0	373.8	3.0	37.0	42.8	28.5	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	
HA28080	705.8	4.0	176.4	17.0	331.8	1.0	32.0	33.3	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	
HA28081	704.0	5.0	140.8	18.0	153.8	1.0	20.0	25.0	0.0	0.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	

Tabla C.212: Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Tamaulipas.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad		Duración		Intensidad		Duración / máx	% de / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I' (mm/año)	% de I'	I máx(mm/año)	% de I máx												
HA28082	408.0	5.0	81.6	14.0	285.7	1.0	49.0	40.0	0.0	0.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28083	636.3	3.0	212.1	16.0	370.4	1.0	29.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28084	962.6	5.0	192.5	25.0	194.7	2.0	25.0	50.0	25.0	0.0	2.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA28085	499.9	4.0	124.9	13.0	351.6	1.0	37.0	71.4	14.2	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28086	586.5	3.0	195.5	29.0	314.6	1.0	47.0	66.6	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28087	733.4	4.0	183.3	22.0	223.5	1.0	27.0	20.0	20.0	0.0	4.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28088	850.8	2.0	425.4	45.0	425.4	2.0	45.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28089	1156.7	5.0	231.3	26.0	359.2	2.0	40.0	44.4	44.4	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA28091	420.7	4.0	105.1	32.0	184.0	1.0	56.0	71.4	14.2	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28093	380.7	4.0	95.1	19.0	220.0	1.0	45.0	60.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28094	726.2	3.0	242.0	29.0	325.2	2.0	39.0	16.6	66.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28096	663.9	4.0	165.9	34.0	224.3	1.0	47.0	42.8	28.5	14.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28098	476.2	1.0	476.2	46.0	476.2	1.0	46.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28099	968.2	4.0	242.0	47.0	242.0	4.0	47.0	16.6	16.6	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28100	1018.6	4.0	254.6	56.0	254.6	4.0	56.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28102	1209.8	4.0	302.4	63.0	302.4	4.0	63.0	57.1	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28103	1008.4	6.0	168.0	32.0	168.0	6.0	32.0	25.0	25.0	0.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA28104	1143.6	6.0	190.6	42.0	220.5	1.0	49.0	71.4	0.0	0.0	4.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA28105	1171.1	4.0	292.7	60.0	292.7	4.0	60.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28106	1218.6	4.0	304.6	62.0	304.6	4.0	62.0	62.5	12.5	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28107	1116.1	4.0	279.0	61.0	279.0	4.0	61.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28111	1126.2	4.0	281.5	27.0	484.5	2.0	46.0	44.4	44.4	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28112	1084.8	4.0	271.2	33.0	273.0	1.0	34.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28113	1106.1	2.0	553.0	50.0	553.0	2.0	50.0	50.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28114	1095.0	5.0	219.0	53.0	233.4	1.0	56.0	77.7	0.0	0.0	0.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0
HA28115	358.6	3.0	119.5	36.0	143.8	1.0	43.0	28.5	28.5	28.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28117	779.4	3.0	259.8	28.0	304.4	1.0	33.0	70.0	10.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28118	709.0	3.0	236.3	26.0	236.3	3.0	26.0	66.6	11.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28119	772.9	2.0	386.4	46.0	386.4	2.0	46.0	28.5	42.8	14.2	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28120	752.3	4.0	188.0	18.0	547.4	1.0	55.0	83.3	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28122	1273.4	5.0	254.6	41.0	254.6	5.0	41.0	0.0	20.0	20.0	4.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28123	792.8	3.0	264.2	39.0	545.6	1.0	82.0	57.1	0.0	28.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28130	1017.4	4.0	254.3	24.0	723.8	1.0	66.0	50.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28133	1299.7	4.0	324.9	40.0	324.9	4.0	40.0	0.0	0.0	50.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28135	706.5	4.0	176.6	20.0	407.2	1.0	47.0	75.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28136	1260.0	4.0	315.0	16.0	321.7	1.0	16.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28137	705.8	4.0	176.4	18.0	176.4	4.0	18.0	75.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28145	897.4	3.0	299.1	30.0	363.7	2.0	36.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28150	384.8	3.0	128.2	16.0	168.5	2.0	21.0	0.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28152	862.6	6.0	143.7	19.0	155.2	2.0	21.0	33.3	33.3	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0
HA28160	567.5	2.0	283.7	39.0	283.7	2.0	39.0	0.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28161	398.9	3.0	132.9	18.0	154.3	2.0	21.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28164	438.4	2.0	219.1	30.0	219.1	2.0	30.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28172	705.4	4.0	176.3	42.0	176.3	4.0	42.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28176	183.9	4.0	45.9	8.0	53.2	1.0	9.0	50.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28178	340.5	1.0	340.5	56.0	340.5	1.0	56.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28179	318.0	2.0	159.0	39.0	159.0	1.0	39.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28180	213.4	2.0	106.6	18.0	206.6	1.0	36.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28182	361.1	4.0	90.2	17.0	90.2	4.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28183	463.3	4.0	115.8	19.0	115.8	4.0	19.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28184	532.2	2.0	266.1	37.0	266.1	2.0	37.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28186	859.7	5.0	171.9	42.0	186.5	1.0	46.0	66.6	0.0	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA28190	581.6	4.0	145.4	18.0	220.1	1.0	27.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28191	707.7	2.0	353.8	39.0	353.8	2.0	39.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28192	455.8	1.0	455.8	81.0	455.8	1.0	81.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28193	223.9	3.0	74.6	13.0	95.3	1.0	17.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28194	606.3	2.0	303.1	42.0	303.1	2.0	42.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28197	323.9	4.0	80.9	10.0	131.7	1.0	17.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA28199	501.1	3.0	167.0	29.0	167.0	3.0	29.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.212. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Tamaulipas.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años) primer decil	lluvia mínima registrada Hp min(mm)	Tr(años) para Hp min
	Media X _c (mm)	Mediana (mm)	Desv Std S(mm)	Coeficientes g k Cv			2 años Hp(mm)	5 años Hp(mm)	10 años Hp(mm)	20 años Hp(mm)	50 años Hp(mm)	100 años Hp(mm)			
Abasolo	629.2	597.0	182.4	0.7	3.0	0.29	589.0	471.0	399.0	331.0	242.0	176.0	7.1	369.5	13.5
Aldama	973.4	938.4	274.8	0.3	2.9	0.28	913.0	773.0	690.0	611.0	511.0	436.0	21.8	500.6	54.8
Altamira	930.1	936.5	279.3	0.2	3.6	0.30	958.0	774.0	655.0	541.0	393.0	283.0	18.9	438.3	37.7
Antiguo Morelos	1062.5	989.7	257.4	0.7	3.8	0.24	968.0	844.0	761.0	629.0	395.0	213.0	12.7	610.6	21.6
Burgos	734.4	713.3	209.6	0.9	3.7	0.29	699.0	578.0	503.0	432.0	340.0	271.0	8.6	439.0	18.7
Bustamante	516.0	490.6	107.2	1.1	4.5	0.21	495.0	436.0	399.0	363.0	315.0	278.0	6.4	379.7	14.5
Camargo	568.1	532.9	238.1	0.9	3.7	0.42	527.0	367.0	262.0	157.0	9.0	0.0	6.6	236.0	11.9
Casas	890.8	825.0	288.5	1.2	4.5	0.32	840.0	665.0	553.0	444.0	297.0	182.0	7.6	481.6	15.7
Ciudad Madero	988.9	974.5	345.5	-0.4	4.0	0.35	1024.0	732.0	542.0	360.0	125.0	0.0	26.4	131.7	48.6
Cruillas	732.2	698.3	241.2	1.1	5.3	0.33	670.0	546.0	461.0	362.0	187.0	19.0	11.8	328.0	24.5
Gómez Farías	1526.1	1437.4	383.1	0.7	3.4	0.25	1436.0	1234.0	1114.0	1000.0	852.0	740.0	8.1	1015.1	18.2
González	811.6	785.2	205.4	1.1	5.4	0.25	805.0	707.0	643.0	582.0	500.0	437.0	16.3	512.8	43.5
Guémez	745.7	723.8	161.8	0.2	2.8	0.22	715.0	606.0	551.0	497.0	423.0	362.0	24.5	419.2	52.4
Guerrero	607.7	490.8	369.9	2.2	11.0	0.61	420.0	314.0	168.0	0.0	0.0	0.0	4.9	123.5	11.1
Gvo D Ordaz	461.6	403.3	214.1	1.0	5.1	0.46	427.0	292.0	201.0	106.0	0.0	0.0	8.7	124.4	17.6
Hidalgo	886.3	890.6	267.6	0.3	2.7	0.30	860.0	660.0	539.0	424.0	271.0	154.0	8.1	483.3	14.0
Jaumave	569.0	577.2	121.6	0.4	2.8	0.21	550.0	450.0	426.0	398.0	332.0	264.0	6.3	395.2	20.9
Jiménez	629.4	570.2	183.2	0.8	3.3	0.29	592.0	495.0	436.0	380.0	309.0	255.0	12.0	351.0	29.1
Llera	750.7	733.9	178.1	0.5	3.4	0.24	713.0	587.0	518.0	441.0	320.0	216.0	10.9	436.5	20.8
Mainero	973.8	1024.3	247.6	0.0	2.1	0.25	984.0	735.0	655.0	584.0	495.0	428.0	7.1	615.7	14.6
Mante, El	1065.2	1069.4	212.1	0.7	4.4	0.20	1044.0	899.0	804.0	709.0	574.0	462.0	10.9	698.8	21.4
Matamoros	514.8	521.4	191.8	0.7	4.0	0.37	492.0	389.0	316.0	233.0	97.0	0.0	18.7	161.5	33.4
Méndez	630.3	572.5	279.7	0.7	3.5	0.44	574.0	428.0	340.0	256.0	146.0	62.0	25.0	114.5	66.0
Mier	607.7	490.8	369.9	2.2	11.0	0.61	420.0	314.0	168.0	0.0	0.0	0.0	4.9	123.5	11.1
Miguel Alemán	607.7	490.8	369.9	2.2	11.0	0.61	420.0	314.0	168.0	0.0	0.0	0.0	4.9	123.5	11.1
Miquihuaná	376.2	340.8	110.0	0.5	3.7	0.29	354.0	288.0	247.0	206.0	148.0	99.0	16.1	172.0	34.5
Nuevo Laredo	518.1	478.3	164.0	0.7	3.2	0.32	467.0	377.0	325.0	273.0	197.0	131.0	6.8	294.7	15.1
Nuevo Morelos	1126.2	1069.4	284.3	0.1	2.5	0.25	1075.0	880.0	786.0	699.0	589.0	506.0	25.5	562.0	62.5
Ocampo	1251.6	1234.0	248.7	0.4	4.7	0.20	1214.0	1090.0	976.0	809.0	554.0	360.0	16.0	753.6	24.5
Padilla	703.8	668.6	166.8	0.2	2.2	0.24	663.0	555.0	507.0	463.0	407.0	363.0	14.0	430.7	33.9

Tabla C.213. Características estadísticas de la lluvia anual de cada municipio del estado de Tamaulipas.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años) primer decil	lluvia mínima registrada Hp min(mm)	Tr(años) para Hp min
	Media X _c (mm)	Mediana (mm)	Desv Std S(mm)	Coeficientes g k Cv			2 años Hp(mm)	5 años Hp(mm)	10 años Hp(mm)	20 años Hp(mm)	50 años Hp(mm)	100 años Hp(mm)			
Palmillas	656.2	625.0	183.7	1.2	5.9	0.28	620.0	524.0	453.0	362.0	193.0	42.0	13.5	329.4	24.6
Reynosa	455.4	457.7	209.1	0.2	3.3	0.46	441.0	288.0	186.0	82.0	0.0	0.0	12.7	68.0	21.9
Rio Bravo	514.8	521.4	191.8	0.7	4.0	0.37	492.0	389.0	316.0	233.0	97.0	0.0	18.7	161.5	33.4
San Carlos	670.8	646.3	188.6	0.6	3.5	0.28	629.0	511.0	434.0	351.0	226.0	116.0	10.0	356.7	19.2
San Fernando	666.3	648.8	198.7	0.4	3.1	0.30	639.0	503.0	413.0	323.0	195.0	92.0	12.1	313.2	21.4
San Nicolás	773.2	772.1	142.5	0.1	3.1	0.18	769.0	660.0	591.0	525.0	440.0	377.0	15.6	490.5	29.0
Soto la Marina	925.7	807.2	333.5	1.0	4.4	0.36	807.0	643.0	537.0	409.0	170.0	0.0	4.9	516.1	11.3
Tampico	988.9	974.5	345.5	-0.4	4.0	0.35	1024.0	732.0	542.0	360.0	125.0	0.0	26.4	131.7	48.6
Tuña	665.1	696.1	215.4	0.4	4.0	0.32	685.0	367.0	327.0	216.0	19.0	0.0	3.9	323.3	10.5
Valle Hermoso	514.8	521.4	191.8	0.7	4.0	0.37	492.0	389.0	316.0	233.0	97.0	0.0	18.7	161.5	33.4
Victoria	527.3	544.8	141.7	-0.6	3.3	0.27	544.0	426.0	350.0	279.0	186.0	117.0	17.2	243.6	28.3
Villagrán	848.9	829.8	219.2	0.2	2.4	0.26	838.0	652.0	601.0	547.0	453.0	357.0	29.0	432.3	58.9
Xicoténcatl	934.2	946.8	214.1	0.9	4.9	0.23	935.0	767.0	658.0	555.0	420.0	320.0	6.9	624.5	12.5
Estatat	749.8	742.4	157.7	1.0	4.3	0.21	633.8	494.4	402.2	313.6	199.1	113.2	2.2	552.8	3.3

Tabla C.213. Características estadísticas de la lluvia anual de cada municipio del estado de Tamaulipas.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Abasolo	433.4	497.2	561.1	625.0	688.9	752.7	816.6	880.5	944.3	1008.2	10.3	13.7	20.6	13.7	13.7	3.4	3.4	6.8	6.8	6.8
Aldama	601.6	702.5	803.5	904.4	1005.4	1106.3	1207.3	1308.2	1409.2	1510.1	10.7	0.0	17.8	17.8	21.4	3.5	3.5	7.1	10.7	7.1
Altamira	549.9	661.5	773.1	884.7	996.4	1108.0	1219.6	1331.2	1442.8	1554.4	11.5	3.8	15.3	15.3	7.6	26.9	7.6	3.8	0.0	7.6
Antiguo Morelos	723.0	835.3	947.7	1060.0	1172.4	1284.8	1397.1	1509.5	1621.8	1734.2	6.8	3.4	34.4	10.3	13.7	17.2	0.0	6.8	3.4	3.4
Burgos	518.5	598.0	677.5	757.0	836.5	916.0	995.5	1075.0	1154.5	1234.0	15.3	15.3	15.3	11.5	19.2	3.8	3.8	7.6	0.0	7.6
Bustamante	423.1	466.5	509.9	553.3	596.7	640.2	683.6	727.0	770.4	813.8	17.2	20.6	20.6	13.7	6.8	6.8	3.4	6.8	0.0	3.4
Camargo	325.2	414.4	503.5	592.7	681.9	771.1	860.3	949.4	1038.6	1127.8	10.0	20.0	16.6	13.3	16.6	6.6	3.3	6.6	0.0	6.6
Casas	596.7	711.8	826.9	942.0	1057.1	1172.2	1287.3	1402.4	1517.5	1632.6	7.1	28.5	14.2	21.4	7.1	7.1	3.5	3.5	0.0	7.1
Ciudad Madero	288.5	445.3	602.1	758.9	915.6	1072.4	1229.2	1386.0	1542.8	1699.6	3.8	0.0	11.5	7.6	7.6	30.7	19.2	11.5	3.8	3.8
Cruillas	438.9	549.8	660.7	771.6	882.5	993.4	1104.3	1215.2	1326.1	1437.0	3.8	19.2	19.2	23.0	15.3	3.8	7.6	3.8	0.0	3.8
Gómez Farías	1148.1	1281.2	1414.2	1547.3	1680.3	1813.3	1946.4	2079.4	2212.5	2345.5	20.0	5.0	20.0	15.0	10.0	5.0	10.0	0.0	10.0	5.0
González	600.0	687.2	774.5	861.7	948.9	1036.1	1123.3	1210.6	1297.8	1385.0	13.0	17.3	8.6	30.4	17.3	0.0	0.0	8.6	0.0	4.3
Guémez	481.4	543.6	605.8	668.0	730.3	792.5	854.7	916.9	979.1	1041.3	3.4	0.0	17.2	13.7	17.2	10.3	13.7	10.3	0.0	13.7
Guerrero	317.4	511.2	705.1	898.9	1092.8	1286.6	1480.5	1674.3	1868.2	2062.0	10.0	40.0	20.0	13.3	10.0	3.3	0.0	0.0	0.0	3.3
Gustavo Díaz Ordaz	219.9	315.4	410.9	506.4	601.9	697.4	792.9	888.4	983.9	1079.4	11.1	14.8	25.9	18.5	11.1	3.7	7.4	3.7	0.0	3.7
Hidalgo	574.4	665.5	756.6	847.7	938.8	1029.9	1121.0	1212.1	1303.2	1394.3	13.7	6.8	13.7	13.7	17.2	3.4	13.7	0.0	6.8	10.3
Jaumave	441.8	488.4	535.1	581.7	628.3	674.9	721.5	768.2	814.8	861.4	17.2	24.1	3.4	10.3	10.3	13.7	13.7	3.4	0.0	3.4
Jiménez	421.2	491.4	561.6	631.8	702.0	772.2	842.4	912.6	982.8	1053.0	6.8	17.2	20.6	13.7	17.2	0.0	6.8	3.4	10.3	3.4
Llera	508.9	581.3	653.8	726.2	798.6	871.0	943.4	1015.9	1088.3	1160.7	6.8	10.3	17.2	13.7	10.3	20.6	10.3	0.0	3.4	6.8
Mainero	692.9	770.2	847.4	924.7	1001.9	1079.1	1156.4	1233.6	1310.9	1388.1	22.2	3.7	11.1	11.1	0.0	7.4	14.8	11.1	11.1	7.4
Mante, El	792.8	886.8	980.9	1074.9	1168.9	1262.9	1356.9	1451.0	1545.0	1639.0	4.0	24.0	8.0	20.0	20.0	4.0	16.0	0.0	0.0	4.0
Malamoros	242.0	322.5	403.0	483.5	564.0	644.4	724.9	805.4	885.9	966.4	3.7	7.4	22.2	11.1	29.6	3.7	7.4	3.7	3.7	7.4
Méndez	228.9	343.2	457.6	571.9	686.3	800.6	915.0	1029.3	1143.7	1258.0	3.8	7.6	19.2	15.3	23.0	3.8	11.5	0.0	7.6	7.6
Mier	317.4	511.2	705.1	898.9	1092.8	1286.6	1480.5	1674.3	1868.2	2062.0	10.0	40.0	20.0	13.3	10.0	3.3	0.0	0.0	0.0	3.3
Miguel Alemán	317.4	511.2	705.1	898.9	1092.8	1286.6	1480.5	1674.3	1868.2	2062.0	10.0	40.0	20.0	13.3	10.0	3.3	0.0	0.0	0.0	3.3
Miquihuana	218.8	265.7	312.5	359.3	406.1	453.0	499.8	546.6	593.5	640.3	6.8	3.4	13.7	27.5	17.2	10.3	6.8	6.8	3.4	3.4
Nuevo Laredo	353.9	413.1	472.3	531.5	590.7	649.9	709.1	768.3	827.5	886.7	14.2	21.4	14.2	10.7	7.1	10.7	7.1	3.5	3.5	7.1
Nuevo Morelos	669.8	777.7	885.5	993.3	1101.2	1209.0	1316.8	1424.6	1532.5	1640.3	3.4	3.4	20.6	6.8	20.6	6.8	6.8	13.7	6.8	10.3
Ocampo	868.2	982.7	1097.3	1211.9	1326.5	1441.0	1555.6	1670.2	1784.7	1899.3	8.0	0.0	16.0	24.0	20.0	12.0	12.0	4.0	0.0	4.0
Padilla	485.8	540.9	596.1	651.2	706.3	761.4	816.5	871.7	926.8	981.9	6.8	10.3	10.3	20.6	6.8	3.4	13.7	6.8	6.8	13.7

Tabla C.214. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Tamaulipas.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Palmillas	416.6	503.9	591.1	678.4	765.6	852.8	940.1	1027.3	1114.6	1201.8	6.8	3.4	27.5	27.5	13.7	10.3	3.4	0.0	3.4	3.4
Reynosa	150.3	232.6	314.8	397.1	479.4	561.7	644.0	726.2	808.5	890.8	7.4	7.4	7.4	18.5	14.8	18.5	7.4	7.4	3.7	7.4
Río Bravo	242.0	322.5	403.0	483.5	564.0	644.4	724.9	805.4	885.9	966.4	3.7	7.4	22.2	11.1	29.6	3.7	7.4	3.7	3.7	7.4
San Carlos	433.7	510.6	587.6	664.5	741.5	818.4	895.4	972.3	1049.3	1126.2	6.8	10.3	20.6	17.2	13.7	6.8	13.7	3.4	3.4	3.4
San Fernando	388.3	463.4	538.5	613.6	688.7	763.8	838.9	914.0	989.1	1064.2	11.1	3.7	11.1	14.8	22.2	14.8	3.7	0.0	11.1	7.4
San Nicolás	548.4	606.4	664.3	722.3	780.2	838.1	896.1	954.0	1012.0	1069.9	3.4	10.3	6.8	17.2	13.7	13.7	20.6	0.0	10.3	3.4
Soto la Marina	646.2	776.3	906.5	1036.6	1166.7	1296.8	1426.9	1557.1	1687.2	1817.3	20.8	8.3	29.1	4.1	20.8	4.1	0.0	8.3	0.0	4.1
Tampico	288.5	445.3	602.1	758.9	915.6	1072.4	1229.2	1386.0	1542.8	1699.6	3.8	0.0	11.5	7.6	7.6	30.7	19.2	11.5	3.8	3.8
Tula	412.1	500.9	589.6	678.4	767.2	856.0	944.8	1033.5	1122.3	1211.1	17.2	3.4	10.3	13.7	31.0	13.7	3.4	0.0	3.4	3.4
Valle Hermoso	242.0	322.5	403.0	483.5	564.0	644.4	724.9	805.4	885.9	966.4	3.7	7.4	22.2	11.1	29.6	3.7	7.4	3.7	3.7	7.4
Victoria	294.0	344.3	394.7	445.1	495.5	545.8	596.2	646.6	696.9	747.3	14.2	0.0	3.5	7.1	7.1	17.8	14.2	17.8	7.1	10.7
Villagrán	513.1	593.9	674.8	755.6	836.4	917.2	998.0	1078.9	1159.7	1240.5	3.4	3.4	20.6	17.2	6.8	10.3	6.8	10.3	13.7	6.8
Xicoténcatl	716.7	808.8	901.0	993.1	1085.3	1177.5	1269.6	1361.8	1453.9	1546.1	12.0	20.0	16.0	20.0	12.0	8.0	4.0	4.0	0.0	4.0
Estatad	613.8	674.8	735.9	796.9	857.9	918.9	979.9	1041.0	1102.0	1163.0	23.3	16.6	6.6	26.6	6.6	6.6	6.6	0.0	0.0	6.6

Tabla C.214. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Tamaulipas.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd Per S	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	Hp disp	Hp disp S(mm)		
	Per S(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a Xc	S(mm)	S(mm)		
Abasolo	4.0	1.8	2.4	1.5	302.3	309.4	125.9	20.0	503.2	3.8	MUY SEVERA	
Aldama	5.3	1.6	2.8	1.6	500.1	531.3	178.6	18.0	794.8	4.2	MUY SEVERA	
Altamira	5.0	2.6	2.0	1.1	475.5	287.4	237.7	25.0	692.3	8.0	MUY VASTA	
Antiguo Morelos	3.5	1.3	2.0	1.2	375.6	332.2	187.8	17.0	874.7	3.7	MUY SEVERA	
Burgos	4.0	2.0	1.9	1.4	301.6	280.5	158.7	21.0	575.6	5.1	VASTA	
Bustamante	3.5	1.0	2.1	0.7	146.0	52.8	69.5	13.0	446.4	4.2	MUY SEVERA	
Camargo	4.5	1.8	2.4	1.3	400.5	178.1	166.8	29.0	401.3	4.0	MUY VASTA	
Casas	2.8	0.5	1.8	1.1	338.7	281.1	188.1	21.0	702.7	4.0	VASTA	
Ciudad Madero	4.1	1.7	2.1	1.2	482.2	356.2	229.6	23.0	759.2	4.5	MUY VASTA	
Cruillas	3.8	1.7	2.4	1.0	335.3	226.7	139.7	19.0	592.5	3.4	MUY SEVERA	
Gómez Farías	5.3	2.0	3.0	2.1	758.5	694.4	252.8	16.0	1273.2	4.1	EXTREMADAMENTE SEVERA	
González	6.6	1.6	3.2	1.2	417.5	279.8	130.4	16.0	681.1	6.6	EXTREMADAMENTE SEVERA	
Guémez	3.9	2.1	2.0	1.3	243.1	246.1	121.5	16.0	624.1	4.0	MUY SEVERA	
Guerrero	4.5	1.8	2.5	1.3	567.3	336.2	226.9	37.0	380.7	2.7	MUY CRITICA	
Gustavo Díaz Ordaz	2.8	1.0	1.7	1.2	237.7	304.8	139.8	30.0	321.7	4.0	VASTA	
Hidalgo	5.4	3.9	2.3	1.3	520.7	386.6	226.3	25.0	664.0	5.0	MUY VASTA	
Jaumave	4.0	2.6	2.0	1.4	214.8	204.1	107.4	18.0	461.6	3.6	MUY SEVERA	
Jiménez	3.9	2.5	2.1	1.6	261.5	203.5	124.5	19.0	504.8	4.5	MUY SEVERA	
Liera	3.8	1.4	2.0	1.0	260.9	269.2	130.4	17.0	629.2	3.7	MUY SEVERA	
Mainero	3.7	1.2	1.6	0.8	371.3	146.8	232.0	23.0	741.8	4.7	VASTA	
Mante, El	10.5	7.5	4.0	3.5	666.9	454.2	166.7	15.0	898.5	5.0	VASTA	
Malamoros	2.7	1.2	1.4	0.9	214.1	280.5	152.9	29.0	361.8	6.5	VASTA	
Méndez	3.1	1.5	1.6	1.5	315.4	296.9	197.1	31.0	433.2	4.8	CRITICA	
Mier	4.5	1.8	2.5	1.3	567.3	336.2	226.9	37.0	380.7	2.7	MUY CRITICA	
Miguel Alemán	4.5	1.8	2.5	1.3	567.3	336.2	226.9	37.0	380.7	2.7	MUY CRITICA	
Miquihuana	3.5	1.0	2.1	1.0	154.1	67.7	73.3	19.0	302.8	4.0	MUY SEVERA	
Nuevo Laredo	3.8	2.2	2.0	1.4	234.8	214.9	117.4	22.0	400.7	3.7	MUY VASTA	
Nuevo Morelos	4.0	1.6	2.2	1.2	501.3	446.3	227.8	20.0	898.3	4.4	MUY SEVERA	
Ocampo	4.6	1.8	2.5	1.6	381.6	243.5	152.6	12.0	1094.9	4.7	MUY SEVERA	
Padilla	4.7	2.7	2.6	1.6	349.6	252.4	134.4	19.0	569.3	4.2	MUY SEVERA	

Tabla C.215. Características de la sequía promedio de cada municipio del estado de Tamaulipas.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd Per S	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	Hp disp	Hp disp S(mm)		
	Per S(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a Xc	S(mm)	S(mm)		
Patmillas	4.0	1.8	2.4	1.6	271.7	175.2	113.2	17.0	542.9	4.1	MUY SEVERA	
Reynosa	3.1	1.3	1.6	0.9	269.0	343.2	168.1	36.0	287.3	5.0	CRITICA	
Río Bravo	2.7	1.2	1.4	0.9	214.1	280.5	152.9	29.0	361.8	6.5	VASTA	
San Carlos	4.0	2.0	2.0	1.5	269.9	299.7	134.9	20.0	535.8	4.0	MUY SEVERA	
San Fernando	3.4	0.9	1.8	0.9	258.1	224.6	143.3	21.0	528.0	4.3	VASTA	
San Nicolás	5.0	2.5	2.5	1.7	276.4	179.2	110.5	14.0	662.6	4.9	MUY SEVERA	
Soto la Marina	3.2	0.6	1.7	0.8	396.8	223.9	233.4	25.0	692.3	3.6	VASTA	
Tampico	4.1	1.7	2.1	1.2	482.2	356.2	229.6	23.0	759.2	4.5	MUY VASTA	
Tula	3.8	2.1	1.8	1.7	335.5	485.6	186.3	28.0	473.7	3.4	VASTA	
Valle Hermoso	2.7	1.2	1.4	0.9	214.1	280.5	152.9	29.0	361.8	6.5	VASTA	
Victoria	4.5	2.7	1.7	1.0	217.1	288.8	127.7	24.0	399.6	6.3	VASTA	
Villagrán	3.1	1.8	1.5	0.6	271.0	168.3	180.6	21.0	668.2	4.1	VASTA	
Xicoténcati	4.6	2.1	2.0	1.5	346.7	366.3	173.3	18.0	760.9	5.2	MUY SEVERA	
Estatfai	4.0	2.0	2.4	1.6	254.9	238.5	106.2	14.0	648.6	1.9	MUY SEVERA	

Tabla C.215. Características de la sequía promedio de cada municipio del estado de Tamaulipas.

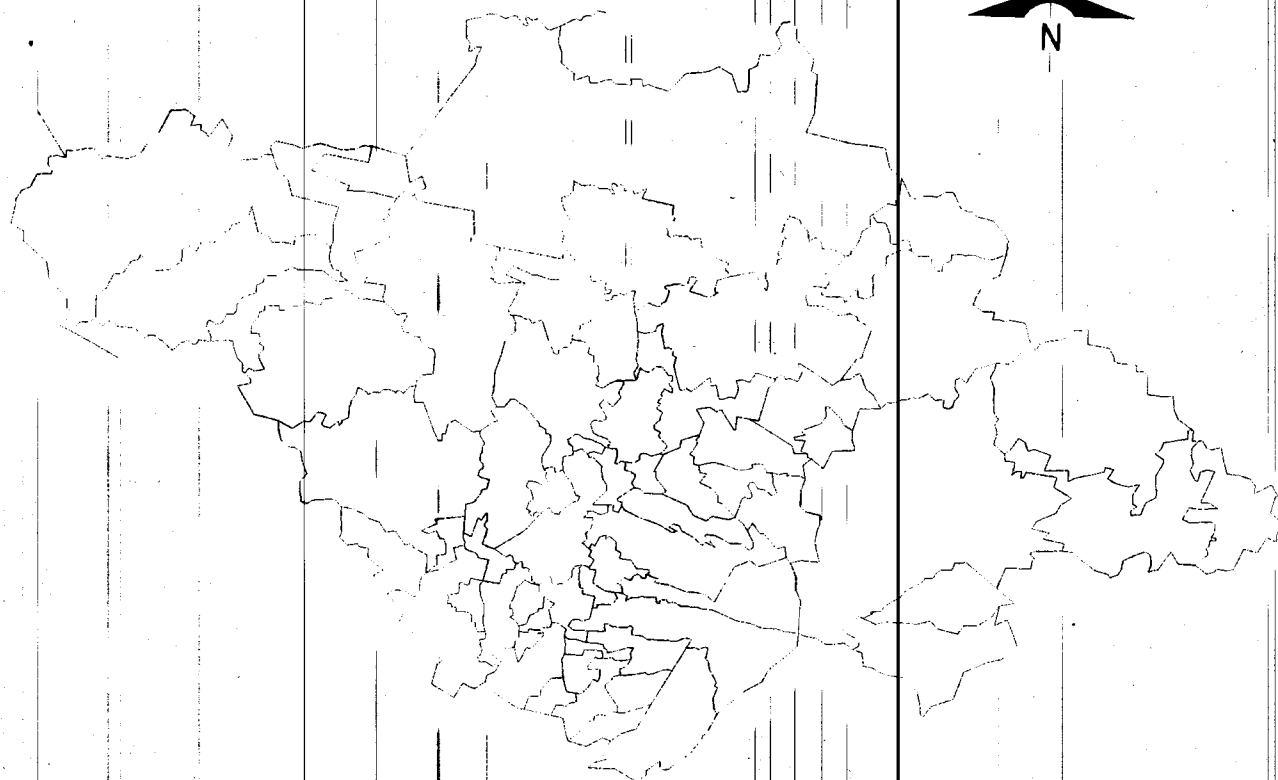
Municipio	Características máximas de la sequía meteorológica municipal						Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad S máx(mm)	Duración D máx(años)	I ¹ =Smáx/Dmáx I ¹ (mm/año)	% de I ¹ respecto a X _o	Intensidad I máx(mm/año)	Duración / máx D / máx(años)	% de I máx respecto a X _o	1 año (%)	2 años (%)	3 años (%)	4 años (%)	5 años (%)	6 años (%)	7 años (%)	8 años (%)	9 años (%)	10 años (%)
Abasolo	1038.2	6.0	173.0	27.0	182.1	1.0	28.0	28.5	42.8	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Aldama	1599.4	5.0	319.8	32.0	319.8	5.0	32.0	33.3	16.6	16.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0
Allamira	957.8	4.0	239.4	25.0	439.7	1.0	47.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Antiguo Morelos	966.2	4.0	241.5	22.0	293.7	2.0	27.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Burgos	975.3	5.0	195.0	26.0	218.8	1.0	29.0	57.1	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Bustamante	205.8	4.0	51.4	9.0	99.1	2.0	19.0	12.5	75.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Camargo	637.0	4.0	159.2	28.0	332.1	1.0	58.0	28.5	42.8	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Casas	856.4	5.0	171.2	19.0	363.3	2.0	40.0	44.4	44.4	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0
Ciudad Madero	932.6	4.0	233.1	23.0	436.1	2.0	44.0	42.8	28.5	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Cruillas	863.6	4.0	215.9	29.0	231.9	1.0	31.0	28.5	14.2	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Gómez Farías	1914.3	6.0	319.0	20.0	319.0	6.0	20.0	50.0	0.0	0.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0
González	898.5	4.0	224.6	27.0	224.6	4.0	27.0	25.0	0.0	0.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0
Guémez	826.7	5.0	165.3	22.0	197.3	1.0	26.0	50.0	25.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Guerrero	1178.6	4.0	294.6	48.0	300.1	1.0	49.0	28.5	28.5	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Gvo Díaz Ordaz	1039.5	4.0	259.8	56.0	259.8	4.0	56.0	66.6	11.1	0.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0
Hidalgo	1219.3	5.0	243.8	27.0	395.4	2.0	44.0	33.3	33.3	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Jaumave	583.2	5.0	116.6	20.0	153.3	3.0	26.0	57.1	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Jiménez	742.7	6.0	123.7	19.0	242.0	1.0	38.0	50.0	25.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Liera	919.4	4.0	229.8	30.0	229.8	4.0	30.0	37.5	37.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Maínero	704.3	3.0	234.7	24.0	358.1	1.0	36.0	62.5	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mante, El	1294.3	9.0	143.8	13.0	236.3	2.0	22.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0
Malamoros	982.4	4.0	245.6	47.0	245.6	4.0	47.0	77.7	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Méndez	1078.0	6.0	179.6	28.0	515.8	1.0	81.0	77.7	11.1	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0
Mier	1178.6	4.0	294.6	48.0	300.1	1.0	49.0	28.5	28.5	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Miguel Alemán	1178.6	4.0	294.6	48.0	300.1	1.0	49.0	28.5	28.5	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Miquihuana	256.4	2.0	128.2	34.0	188.0	1.0	49.0	37.5	25.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Nuevo Laredo	656.0	5.0	131.2	25.0	190.4	1.0	36.0	62.5	0.0	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Nuevo Morelos	1220.8	4.0	305.2	27.0	305.2	4.0	27.0	42.8	14.2	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Ocampo	802.7	4.0	200.6	16.0	459.8	1.0	36.0	50.0	0.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0
Padilla	721.0	5.0	144.2	20.0	225.8	1.0	32.0	33.3	33.3	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0

Tabla C.216. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Tamaulipas.

Municipio	Características máximas de la sequía meteorológica municipal						Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad S máx(mm)	Duración D máx(años)	I ¹ =Smáx/Dmáx I ¹ (mm/año)	% de I ¹ respecto a X _o	Intensidad I máx(mm/año)	Duración / máx D / máx(años)	% de I máx respecto a X _o	1 año (%)	2 años (%)	3 años (%)	4 años (%)	5 años (%)	6 años (%)	7 años (%)	8 años (%)	9 años (%)	10 años (%)
Palmillas	642.3	5.0	128.4	19.0	208.2	1.0	31.0	42.8	28.5	0.0	0.0	28.5	0.0	0.0	0.0	0.0	0.0
Reynosa	1130.8	4.0	282.7	62.0	295.9	1.0	64.0	62.5	25.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
Río Bravo	982.4	4.0	245.6	47.0	245.6	4.0	47.0	77.7	11.1	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0
San Carlos	1005.3	5.0	201.0	29.0	201.0	5.0	29.0	62.5	12.5	0.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0
San Fernando	631.9	2.0	315.9	47.0	315.9	2.0	47.0	37.5	50.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
San Nicolás	537.1	3.0	179.0	23.0	193.5	1.0	25.0	33.3	33.3	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Soto la Marina	678.3	2.0	339.1	36.0	386.9	1.0	41.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tampico	932.6	4.0	233.1	23.0	436.1	2.0	44.0	42.8	28.5	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Tula	1506.6	6.0	251.1	37.0	318.8	1.0	47.0	71.4	14.2	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Valle Hermoso	982.4	4.0	245.6	47.0	245.6	4.0	47.0	77.7	11.1	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0
Victoria	870.3	4.0	217.5	41.0	217.5	4.0	41.0	57.1	28.5	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0
Villagrán	629.6	2.0	314.8	37.0	314.8	2.0	37.0	60.0	30.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Xicoténcatl	1131.2	5.0	226.2	24.0	226.2	5.0	24.0	66.6	0.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Estatal	660.3	5.0	132.0	17.0	132.7	5.0	17.0	42.8	28.5	0.0	0.0	28.5	0.0	0.0	0.0	0.0	0.0

Tabla C.216. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Tamaulipas.

TLAXCALA



Cód	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
Estación	X ₀ (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp mín(mm)	Hp mín
HA29001	751.7	805.5	176.1	-1.7	8.5	0.23	809	627	523	429	310	222	27.2	329.5	43
HA29002	770.5	798.9	181.6	-2.1	10.6	0.24	803	661	567	475	357	267	172.9	106	350.4
HA29003	644.7	663.1	123.4	-0.8	4.2	0.19	660	557	490	427	346	285	25.9	354.1	45.7
HA29004	682.2	661.5	114.4	0.3	2.8	0.17	659	580	546	514	472	438	9.4	514.6	19.8
HA29005	602.5	601.3	131.9	0.1	2.7	0.22	597	484	425	370	298	245	8.6	390.5	15.3
HA29006	610.3	641.3	155.7	-1.5	6.9	0.26	634	557	459	347	204	97	34.4	197.5	52.1
HA29007	422.2	427.3	119.8	-0.1	3.5	0.28	417	327	274	224	160	112	22.6	166.9	45.4
HA29008	712.9	747.3	93.6	-0.5	3.7	0.13	742	607	582	562	536	517	7.6	562.6	19.3
HA29010	799.7	783.5	139.8	-0.2	4.3	0.17	794	702	644	588	516	460	63.4	434.3	137.8
HA29011	616.7	617	108.4	0	2.7	0.18	614	526	476	430	370	325	10.4	435	18.4
HA29012	796.8	813.3	110	-0.1	2.6	0.14	800	705	650	599	533	484	13.8	585.5	24
HA29013	678	701.6	151.8	-1.5	7.2	0.22	703	575	491	411	308	230	56.8	228.3	101.4
HA29014	664.3	663.3	144.1	0.2	4.9	0.22	670	562	491	424	337	270	9.2	451.5	15.1
HA29015	729.5	742.7	145.8	-0.5	3.3	0.2	737	612	539	471	384	319	17.4	431.9	30
HA29017	730.8	709.5	106	0.3	2.8	0.15	710	643	606	572	528	495	8.4	582.2	16.1
HA29019	686.6	694	86.3	-0.1	2.4	0.13	700	591	575	581	541	524	4.5	566.6	15
HA29022	617.7	631.7	125.5	-0.5	5.4	0.2	525.4	414.5	341.1	270.6	179.5	111.1	9.4	287.3	16.9
HA29023	687.8	696	94.8	-0.1	2.9	0.14	681	610	569	531	482	444	20.9	490.7	42.1
HA29024	742.7	746.6	128	0.6	3.8	0.17	751	589	564	499	385	300	3.2	572.5	8.2
HA29025	639.2	642.3	177.5	-1	5.8	0.28	642	565	462	341	186	70	33.2	179.6	51.9
HA29026	780.7	806.5	182.7	-1.1	6.8	0.23	796	661	573	487	373	286	77.5	235.1	149.2
HA29027	718.4	749	178.5	-1.2	7.1	0.25	587	429.2	324.8	224.6	94.8	0	17.4	158.4	31.9
HA29028	802.2	776.3	112.6	0.5	3.8	0.14	772	706	671	639	597	564	5.9	663.6	11.8
HA29030	821.7	772.6	164.2	0.2	2.6	0.2	772	683	641	601	549	508	21.5	537	61.1
HA29032	621	616.8	157.4	-0.7	5.4	0.25	613	525	449	355	225	127	47.5	154.6	82
HA29034	589.1	596.4	83.9	0.2	4.3	0.14	590	531	492	456	408	372	19.9	418.1	41
HA29035	630.9	618.9	151.8	-0.4	3.4	0.24	630	504	443	388	318	266	39.7	274.5	89
HA29039	741.7	754.2	133.7	-1.2	7.8	0.18	764	675	612	548	457	385	37.6	436.5	61.2
HA29040	702.4	702	127.5	-0.3	3.8	0.18	697	611	562	516	457	414	16.7	486.7	31.6
HA29041	664.9	665	143.7	0.9	6.7	0.22	559.1	432.1	348	267.3	162.9	84.7	2.9	448.6	4.4
HA29045	613.5	604.9	124	-0.5	3.7	0.2	612	510	461	417	361	319	15.5	394.4	28.8
HA29047	1024.4	990.2	260	0.8	5.1	0.25	983	845	758	674	563	479	10.4	665.6	21.4

Tabla C.217. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Tlaxcala.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA29001	388.6	447.6	506.7	565.7	624.8	683.8	742.8	801.9	860.9	920	10	0	0	0	0	20	10	10	20	30
HA29002	197	288	379.1	470.1	561.1	652.1	743.1	834.2	925.2	1016.2	4	0	0	0	4	8	12	32	32	8
HA29003	404.2	454.3	504.3	554.4	604.5	654.6	704.7	754.7	804.8	854.9	8	0	4	8	8	16	32	4	12	8
HA29004	549.2	583.7	618.3	652.9	687.4	722	756.6	791.2	825.7	860.3	12.5	2.5	6.2	18.7	6.2	12.5	6.2	0	6.2	18.7
HA29005	436.8	483.1	529.4	575.7	621.9	668.2	714.5	760.8	807.1	853.4	12.5	8.3	12.5	8.3	12.5	12.5	8.3	8.3	4.1	4.1
HA29006	262	326.4	390.9	455.4	519.9	584.3	648.8	713.3	777.7	842.2	9	0	0	0	4.5	18.1	18.1	31.8	4.5	13.6
HA29007	215.8	264.8	313.7	362.7	411.6	460.5	509.5	558.4	607.4	656.3	4.3	4.3	8.6	21.7	4.3	21.7	8.6	17.3	4.3	4.3
HA29008	590.8	618.9	647.1	675.2	703.4	731.6	759.7	787.9	816	844.2	20	0	10	0	10	0	30	0	10	10
HA29010	496.8	559.3	621.7	684.2	746.7	809.2	871.7	934.1	996.6	1059.1	3.3	0	6.6	3.3	16.6	30	13.3	10	3.3	13.3
HA29011	474	512.9	551.9	590.8	629.8	668.7	707.7	746.6	785.6	824.5	14.2	3.5	7.1	14.2	17.8	14.2	0	17.8	7.1	3.5
HA29012	625.8	666	706.3	746.6	786.8	827.1	867.4	907.7	947.9	988.2	6.8	6.8	13.7	6.8	10.3	13.7	13.7	10.3	10.3	6.8
HA29013	293.3	358.3	423.3	488.3	553.3	618.3	683.3	748.3	813.3	878.3	5.2	0	0	5.2	5.2	10.5	10.5	31.5	21	10.5
HA29014	499.3	547	594.8	642.5	690.3	738.1	785.8	833.6	881.3	929.1	20	0	10	20	0	20	20	0	0	10
HA29015	484	536	588.1	640.2	692.3	744.3	796.4	848.5	900.5	952.6	8.6	4.3	0	8.6	17.3	13	13	8.6	13	13
HA29017	614.8	647.4	680	712.6	745.2	777.8	810.4	843	875.6	908.2	18.7	6.2	6.2	18.7	12.5	6.2	6.2	6.2	6.2	12.5
HA29019	594.1	621.6	649.1	676.6	704.1	731.5	759	786.5	814	841.5	21	15.7	0	0	15.7	10.5	10.5	21	0	5.2
HA29022	347.7	408.1	468.5	528.9	589.3	649.8	710.2	770.6	831	891.4	4.5	0	0	18.1	9	22.7	31.8	4.5	4.5	4.5
HA29023	528.4	566.2	603.9	641.7	679.4	717.1	754.9	792.6	830.4	868.1	3.7	7.4	7.4	11.1	18.5	18.5	7.4	3.7	18.5	3.7
HA29024	619.9	667.3	714.7	762.1	809.5	857	904.4	951.8	999.2	1046.6	22.7	9	4.5	22.7	18.1	9	0	9	0	4.5
HA29025	254.7	329.8	404.9	480	555.1	630.2	705.3	780.4	855.5	930.6	9	0	0	0	9	22.7	27.2	13.6	9	9
HA29026	318.3	401.5	484.7	567.9	651.1	734.2	817.4	900.6	983.8	1067	4.7	0	0	0	14.2	14.2	23.8	19	14.2	9.5
HA29027	244.2	329.9	415.7	501.4	587.2	673	758.7	844.5	930.2	1016	4.3	0	0	0	17.3	8.6	34.7	8.6	17.3	8.6
HA29028	697.1	730.5	764	797.5	831	864.4	897.9	931.4	964.8	998.3	20	10	20	10	0	10	0	20	0	10
HA29030	596.6	656.3	715.9	775.6	835.2	894.8	954.5	1014.1	1073.8	1133.4	8.3	4.1	16.6	20.8	4.1	8.3	8.3	16.6	8.3	4.1
HA29032	232	309.5	386.9	464.3	541.8	619.2	696.6	774	851.5	928.9	3.7	0	0	7.4	14.8	25.9	18.5	14.8	11.1	3.7
HA29034	456	493.8	531.7	569.5	607.4	645.3	683.1	721	758.8	796.7	8	8	0	24	20	20	8	8	0	4
HA29035	335.4	396.3	457.2	518	578.9	639.8	700.7	761.6	822.5	883.4	4.3	0	8.6	13	8.6	17.3	8.6	17.3	13	8.6
HA29039	486.1	535.6	585.2	634.7	684.2	733.8	783.3	832.9	882.4	932	10	0	0	0	10	20	20	20	10	10
HA29040	527.9	569	610.2	651.3	692.5	733.7	774.8	816	857.1	898.3	15.3	0	0	23	0	23	7.6	0	23	7.6
HA29041	505.6	562.5	619.5	676.4	733.4	790.4	847.3	904.3	961.2	1018.2	15.3	7.6	7.6	23	23	15.3	0	0	0	7.6
HA29045	433.1	471.7	510.3	549	587.6	626.3	664.9	703.6	742.2	780.9	9	9	0	9	9	18.1	0	9	27.2	9
HA29047	752.9	840.2	927.6	1014.9	1102.2	1189.5	1276.8	1364.2	1451.5	1538.8	18.1	9	0	27.2	18.1	9	0	0	9	9

Tabla C.218. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Tlaxcala.

Estación	Características promedio de la sequía meteorológica									X ₀	Tr(años) para sequía	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS	lluvia disponible			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a	Hp disp S(mm)			
HA29001	4	2	1.3	0.4	210.9	234.8	162.2	21	589.4	6.4	VASTA	
HA29002	3.5	1.4	1.2	0.4	216.5	231.6	180.4	23	590.1	8.4	VASTA	
HA29003	3	0.9	1.3	0.4	144.6	109.2	111.2	17	533.4	6.3	SEVERA	
HA29004	6.5	1.5	2.9	0.8	253.5	89.5	87.4	12	594.8	3.9	MUY SEVERA	
HA29005	5.2	2.2	2.3	1	262.4	175.3	114	18	488.5	4.8	MUY SEVERA	
HA29006	5	0.8	2	1	279.3	243.5	139.6	22	470.6	9.3	MUY VASTA	
HA29007	4.2	1.4	2.1	1.1	219.8	167.1	104.6	24	317.6	5.6	MUY VASTA	
HA29008	4	1	1.3	0.4	130.6	30.5	100.4	14	612.5	4.5	SEVERA	
HA29010	4.1	1.2	2.1	1.2	190.5	143	90.7	11	708.9	4.6	MUY SEVERA	
HA29011	3.7	1.4	1.6	0.4	153.1	84.8	95.6	15	521.1	5.4	SEVERA	
HA29012	3.2	1.9	1.6	0.9	165	105.8	103.1	12	693.6	5.7	SEVERA	
HA29013	3.7	2.4	1.3	0.4	205.1	227.1	157.7	23	520.3	7.8	VASTA	
HA29014	4	2	1.6	0.9	185.3	113.4	115.8	17	548.4	5.7	SEVERA	
HA29015	2.7	0.4	1.7	1.1	264.2	233	155.4	21	574	7.1	VASTA	
HA29017	4.6	1.2	2.2	1	174.7	90.1	79.4	10	651.3	4.4	MODERADA	
HA29019	5.3	1.2	2	0.7	174.6	32.4	87.3	12	599.2	3.8	MUY SEVERA	
HA29022	5.2	1.6	1.8	0.9	197.7	116.9	109.8	17	507.9	2.3	SEVERA	
HA29023	3.4	1.6	1.6	0.6	129.6	79.6	81	11	606.7	5.3	SEVERA	
HA29024	5.3	2	2.7	0.8	269.7	149.9	99.8	13	642.9	3	MUY SEVERA	
HA29025	4.7	3.1	2	0.8	257.2	248.5	128.6	20	510.5	7.5	MUY SEVERA	
HA29026	3.7	0.8	1.5	0.4	266.2	250.9	177.4	22	603.3	7.8	VASTA	
HA29027	3.8	1.4	1.5	0.5	241.2	214.7	160.8	22	557.5	2.3	VASTA	
HA29028	4	2	2	1.4	155.8	68.3	77.9	9	724.3	3.6	MODERADA	
HA29030	3.3	0.9	1.8	0.9	242.8	128.5	134.8	16	686.8	4.7	SEVERA	
HA29032	4.7	2.1	2.5	0.9	258.8	204.3	103.5	16	517.5	5.4	MUY SEVERA	
HA29034	3.8	1.3	1.5	0.7	111.5	96.5	74.3	12	514.7	6.6	SEVERA	
HA29035	3	1	1.7	1	204.4	227.2	120.2	19	510.7	4.7	SEVERA	
HA29039	5	0	2.5	0.5	232.6	154.4	93	12	648.6	6.7	MUY SEVERA	
HA29040	3	0.5	2.3	0.4	210.3	156.2	91.4	13	611	5	MUY SEVERA	
HA29041	2.6	0.4	1.5	0.5	166.7	135.9	111.1	16	553.7	2.1	SEVERA	
HA29045	3.3	1.2	1.5	0.8	139.6	102.2	93	15	520.5	4.4	SEVERA	
HA29047	4.5	0.5	2.6	0.9	334	245.7	128.4	12	896	3.4	MUY SEVERA	

Tabla C.219. Características de la sequía promedio de cada estación climatológica del estado de Tlaxcala.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^m Smáx/Dmáx	% de I ^m	Intensidad	Duración / máx	% de I máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I ^m (mm/año)	respecto a X ₀	I máx(mm/año)	D / máx(años)	respecto a X ₀	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA29001	540.8	2	270.4	35	270.4	2	35	66.6	33.3	0	0	0	0	0	0	0	0
HA29002	739.8	2	369.9	48	369.9	2	48	71.4	28.5	0	0	0	0	0	0	0	0
HA29003	304.5	2	152.2	23	290.5	1	31	62.5	37.5	0	0	0	0	0	0	0	0
HA29004	357	4	89.2	13	89.2	4	33	13	0	33.3	33.3	0	0	0	0	0	0
HA29005	451.6	4	112.9	18	155.6	2	33	25	20	40	20	20	0	0	0	0	0
HA29006	539.7	3	179.9	29	179.9	3	33	29	50	0	50	0	0	0	0	0	0
HA29007	506.2	4	126.5	29	136.2	2	32	40	20	20	20	0	0	0	0	0	0
HA29008	154	2	77	10	150.3	1	21	66.6	33.3	0	0	0	0	0	0	0	0
HA29010	427.1	2	213.5	26	365.3	1	30	45	50	12.5	12.5	25	0	0	0	0	0
HA29011	293.4	2	146.7	23	178.5	1	28	37.5	62.5	0	0	0	0	0	0	0	0
HA29012	342.5	2	171.2	21	171.2	2	21	62.5	25	0	12.5	0	0	0	0	0	0
HA29013	644.2	2	322.1	47	322.1	2	47	60	40	0	0	0	0	0	0	0	0
HA29014	320.6	3	106.8	16	192.3	1	28	66.6	0	33.3	0	0	0	0	0	0	0
HA29015	715.1	4	178.7	24	233.6	1	32	60	20	0	20	0	0	0	0	0	0
HA29017	262.6	2	131.3	17	131.3	2	17	25	50	0	25	0	0	0	0	0	0
HA29019	205.1	2	102.5	14	119.9	1	17	25	50	25	0	0	0	0	0	0	0
HA29022	381.8	3	127.2	20	143.2	1	23	60	0	40	0	0	0	0	0	0	0
HA29023	245.6	3	81.8	11	126.5	1	18	50	37.5	12.5	0	0	0	0	0	0	0
HA29024	487	4	121.7	16	127.9	2	17	50	50	25	25	0	0	0	0	0	0
HA29025	610.7	3	203.5	31	250.8	2	39	40	20	40	0	0	0	0	0	0	0
HA29026	743.3	2	371.6	47	371.6	2	47	40	60	0	0	0	0	0	0	0	0
HA29027	706.6	2	353.3	49	353.3	2	49	50	50	0	0	0	0	0	0	0	0
HA29028	251.3	4	62.8	7	120.3	1	14	66.6	0	0	33.3	0	0	0	0	0	0
HA29030	421.7	2	210.8	25	210.8	2	25	42.8	42.8	0	14.2	0	0	0	0	0	0
HA29032	619.4	4	154.8	24	160	2	25	16.6	33.3	33.3	16.6	0	0	0	0	0	0
HA29034	313	3	104.3	17	113.5	1	19	57.1	28.5	14.2	0	0	0	0	0	0	0
HA29035	634.5	4	158.6	25	235.3	2	37	57.1	28.5	0	14.2	0	0	0	0	0	0
HA29039	387.1	2	193.5	26	193.5	2	26	50	50	50	0	0	0	0	0	0	0
HA29040	430.4	2	215.2	30	215.2	2	30	66.6	33.3	0	0	0	0	0	0	0	0
HA29041	379.4	2	189.7	28	189.7	2	28	50	50	0	0	0	0	0	0	0	0
HA29045	291.9	3	97.3	15	167.4	1	27	75	0	25	0	0	0	0	0	0	0
HA29047	636.5	4	159.1	15	165.4	2	16	66.6	0	33.3	0	0	0	0	0	0	0

Tabla C.220. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Tlaxcala.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	Lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _p (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p mín(mm)	H _p mín
Amaxac de Guerrero	751.6	777.3	131.4	-0.4	3.7	0.17	768	658	585	515	422	353	19	464.8	32.8
Apetatitlán de Antonio Carvajal	791.9	768.9	143.9	-0.7	4.2	0.18	806	682	604	531	436	364	32.8	418.1	59.3
Atlangatepec	638.4	632.6	115.4	-0.7	4.5	0.18	634	562	502	434	341	270	29	346.7	47.1
Alzayanca	604.8	612.5	106.5	0	2.9	0.18	609	521	465	412	345	294	11.6	412.8	19.9
Apizaco	751.6	777.3	131.4	-0.4	3.7	0.17	768	658	585	515	422	353	19	464.8	32.8
Calpulalpan	658	673.7	128.5	-0.6	4	0.2	666	565	503	444	368	312	42	327.4	82.4
Carmen Tequexquilita, El	508.6	506.6	117.9	0.3	2.7	0.23	493	413	364	318	256	208	12.7	305.6	23.9
Cuapixtla	604.8	612.5	106.5	0	2.9	0.18	609	521	465	412	345	294	11.6	412.8	19.9
Cuaxomulco	751.6	777.3	131.4	-0.4	3.7	0.17	768	658	585	515	422	353	19	464.8	32.8
Chiautempan	821.7	772.6	164.2	0.2	2.6	0.2	772	683	641	601	549	508	21.5	537	61.1
Muñoz de Domingo Arenas	702.7	721.8	124.8	-1.3	5.6	0.18	725	620	553	490	408	347	67.3	330.5	120.4
Españita	845.7	822.8	159.1	0.1	4.2	0.19	828	736	677	618	536	468	66.1	434.3	137.4
Huamantla	604.8	612.5	106.5	0	2.9	0.18	609	521	465	412	345	294	11.6	412.8	19.9
Hueyotlipan	731.7	723	139.8	0.2	4	0.19	726	626	547	455	314	199	14.8	434.3	23
Ixtacuixtla de Mariano Matamoros	683.7	683.5	128	0	4.1	0.19	691	587	520	457	375	313	10.7	468.2	17.6
Ixtenco	604.8	612.5	106.5	0	2.9	0.18	609	521	465	412	345	294	11.6	412.8	19.9
Mazatecochco de J. M. Morelos	801.7	824.5	152.5	-0.1	4	0.19	811	691	606	516	385	275	18.4	459.8	30.1
Contla de Juan Cuamatzi	791.9	768.9	143.9	-0.7	4.2	0.18	806	682	604	531	436	364	32.8	418.1	59.3
Tepetitla de Lardizábal	683.7	683.5	128	0	4.1	0.19	691	587	520	457	375	313	10.7	468.2	17.6
Sanctórum de Lázaro Cárdenas	741.7	754.2	133.7	-1.2	7.8	0.18	764	675	612	548	457	385	37.6	436.5	61.2
Nanacamilpa de Mariano Arista	730.1	714.2	103.2	-0.7	5.6	0.14	732	662	614	565	494	437	57.2	436.5	101
Acuamanala de Miguel Hidalgo	801.7	824.5	152.5	-0.1	4	0.19	811	691	606	516	385	275	18.4	459.8	30.1
Nativitas a/	782.8	734.3	169.4	0.5	2.9	0.22	741	648	595	545	481	432	17	492.8	42.2
Panotla	742	794.7	166.4	-2.3	11.3	0.22	781	644	549	459	342	254	169.4	106	324.9
San Pablo del Monte	801.7	824.5	152.5	-0.1	4	0.19	811	691	606	516	385	275	18.4	459.8	30.1
Santa Cruz Tlaxcala	751.6	777.3	131.4	-0.4	3.7	0.17	768	658	585	515	422	353	19	464.8	32.8
Tenancingo	801.7	824.5	152.5	-0.1	4	0.19	811	691	606	516	385	275	18.4	459.8	30.1
Teolochochco	801.7	824.5	152.5	-0.1	4	0.19	811	691	606	516	385	275	18.4	459.8	30.1
Tepeyanco	782.8	734.3	169.4	0.5	2.9	0.22	741	648	595	545	481	432	17	492.8	42.2
Terrenate	695.8	718	126.4	-0.6	4.5	0.18	702	611	553	497	424	367	60.3	353.9	116.7

Tabla C.221. Características estadísticas de la lluvia anual de cada municipio del estado de Tlaxcala.

Municipio	Estadísticos de la lluvia promedio municipal				Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)								Tr(años)	Lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _s (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _{p min} (mm)	H _{p min}
Tetta de la Solidaridad	613.5	604.9	124	-0.5	3.7	0.2	612	510	461	417	361	319	15.5	394.4	28.8
Tetlatlahuca	792.7	757.8	161.8	0.4	3	0.2	757	658	604	552	480	422	14.8	512.3	33.5
Tlaxcala	792.7	757.8	161.8	0.4	3	0.2	757	658	604	552	480	422	14.8	512.3	33.5
Tlaxco	654.8	663.1	117.3	-0.7	4.3	0.18	663	570	513	459	390	338	41.5	354.1	80.6
Tocatlán	695.8	716	126.4	-0.6	4.5	0.18	702	611	553	497	424	367	60.3	353.9	116.7
Totolac	821.7	772.6	164.2	0.2	2.6	0.2	772	683	641	601	549	508	21.5	537	61.1
Zitlaltepec de Trinidad S. S.	678.2	706.7	131.6	-0.7	4.4	0.19	692	592	527	464	381	319	42.6	335	83.8
Zompantepec	751.6	777.3	131.4	-0.4	3.7	0.17	768	658	585	515	422	353	19	464.8	32.8
Xaloztoc a/	695.8	718	126.4	-0.6	4.5	0.18	702	611	553	497	424	367	60.3	353.9	116.7
Xaltocan	644.7	663.1	123.4	-0.8	4.2	0.19	660	557	490	427	346	285	25.9	354.1	45.7
Papalotla de Xicohténcatl	801.7	824.5	152.5	-0.1	4	0.19	811	691	606	516	385	275	18.4	459.8	30.1
Xicohtzinco	782.8	734.3	169.4	0.5	2.9	0.22	741	648	595	545	481	432	17	492.8	42.2
Yauhquemecan	751.6	777.3	131.4	-0.4	3.7	0.17	768	658	585	515	422	353	19	464.8	32.8
Zacatelco	782.8	734.3	169.4	0.5	2.9	0.22	741	648	595	545	481	432	17	492.8	42.2
Benito Juárez	596.2	591.5	95.2	0.3	4.3	0.16	595	516	459	398	308	232	9.8	418.6	15.9
Emiliano Zapata	607.5	615.3	146.1	-0.9	6	0.24	500	370.8	285.2	203.2	97	17.4	16.7	154.6	30.4
Lázaro Cárdenas	607.5	615.3	146.1	-0.9	6	0.24	500	370.8	285.2	203.2	97	17.4	16.7	154.6	30.4
Magdalena Tlaltetlulco, La	791.9	768.9	143.9	-0.7	4.2	0.18	806	682	604	531	436	364	32.8	418.1	59.3
San Damián Texoloc	782.8	734.3	169.4	0.5	2.9	0.22	741	648	595	545	481	432	17	492.8	42.2
San Francisco Tetlanohcan	741.1	751.5	138.6	-0.4	3.2	0.19	639.1	516.5	435.4	357.5	256.8	181.3	4.7	470	7.4
San Jerónimo Zacualpan	782.8	734.3	169.4	0.5	2.9	0.22	741	648	595	545	481	432	17	492.8	42.2
San José Teacalco	751.6	777.3	131.4	-0.4	3.7	0.17	768	658	585	515	422	353	19	464.8	32.8
San Juan Huactzinco	782.8	734.3	169.4	0.5	2.9	0.22	741	648	595	545	481	432	17	492.8	42.2
San Lorenzo axocomanilla	782.8	734.3	169.4	0.5	2.9	0.22	741	648	595	545	481	432	17	492.8	42.2
San Lucas Teopilco	654.8	663.1	117.3	-0.7	4.3	0.18	663	570	513	459	390	338	41.5	354.1	80.6
Santa Ana Nopalucan	683.7	683.5	128	0	4.1	0.19	691	587	520	457	375	313	10.7	468.2	17.6
Santa Apolonia Teacalco	782.8	734.3	169.4	0.5	2.9	0.22	741	648	595	545	481	432	17	492.8	42.2
Santa Catarina Ayometla	782.8	734.3	169.4	0.5	2.9	0.22	741	648	595	545	481	432	17	492.8	42.2
Santa Cruz Quilehila	782.8	734.3	169.4	0.5	2.9	0.22	741	648	595	545	481	432	17	492.8	42.2
Santa Isabel Xiloxotla	782.8	734.3	169.4	0.5	2.9	0.22	741	648	595	545	481	432	17	492.8	42.2
Estatad	681.6	701.3	87.2	-0.3	3.1	0.13	691	614	563	514	450	402	14.9	499.6	24.7

Tabla C.221. Características estadísticas de la lluvia anual de cada municipio del estado de Tlaxcala.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Amaxac de Guerrero	519.9	575.1	630.2	685.3	740.5	795.6	850.7	905.8	961	1016.1	8	4	4	8	24	8	28	12	0	4
Apetatitlán de Antonio Carvajal	479	539.9	600.9	661.8	722.7	783.6	844.5	905.5	966.4	1027.3	4	4	0	4	16	24	4	24	12	8
Atlangatepec	396.3	445.8	495.4	544.9	594.5	644.1	693.6	743.2	792.7	842.3	7.4	0	0	3.7	18.5	25.9	14.8	11.1	11.1	7.4
Alzayanca	453.2	493.7	534.1	574.6	615	655.4	695.9	736.3	776.8	817.2	10.7	7.1	3.5	25	3.5	14.2	17.8	3.5	7.1	7.1
Apizaco	519.9	575.1	630.2	685.3	740.5	795.6	850.7	905.8	961	1016.1	8	4	4	8	24	8	28	12	0	4
Calpulalpan	382.5	437.6	492.7	547.8	603	658.1	713.2	768.3	823.4	878.5	3.3	3.3	3.3	6.6	10	13.3	33.3	10	6.6	10
Carmen Tequexquitta, El	348.1	390.5	433	475.4	517.9	560.3	602.8	645.2	687.7	730.1	3.8	15.3	15.3	3.8	19.2	15.3	0	11.5	7.6	7.6
Cuapixtla	453.2	493.7	534.1	574.6	615	655.4	695.9	736.3	776.8	817.2	10.7	7.1	3.5	25	3.5	14.2	17.8	3.5	7.1	7.1
Cuaxomulco	519.9	575.1	630.2	685.3	740.5	795.6	850.7	905.8	961	1016.1	8	4	4	8	24	8	28	12	0	4
Chiautempan	596.6	656.3	715.9	775.6	835.2	894.8	954.5	1014.1	1073.8	1133.4	8.3	4.1	16.6	20.8	4.1	8.3	8.3	16.6	8.3	4.1
Muñoz de Domingo Arenas	381.7	433	484.2	535.5	586.7	637.9	689.2	740.4	791.7	842.9	4	0	4	0	12	0	12	24	16	28
Españita	509.2	584.1	659	733.9	808.8	883.7	958.6	1033.5	1108.4	1183.3	3.3	0	6.6	10	30	16.6	10	10	6.6	6.6
Huamantla	453.2	493.7	534.1	574.6	615	655.4	695.9	736.3	776.8	817.2	10.7	7.1	3.5	25	3.5	14.2	17.8	3.5	7.1	7.1
Hueyotlipan	496.8	559.3	621.7	684.2	746.7	809.2	871.7	934.1	996.6	1059.1	3.3	10	6.6	10	26.6	20	10	3.3	3.3	6.6
Ixtacuixtla de Mariano Matamoros	513.7	559.3	604.8	650.4	695.9	741.4	787	832.5	878.1	923.6	15.3	0	7.6	23	7.6	23	7.6	0	7.6	0
Ixtenco	453.2	493.7	534.1	574.6	615	655.4	695.9	736.3	776.8	817.2	10.7	7.1	3.5	25	3.5	14.2	17.8	3.5	7.1	7.1
Mazatecochco de J. M. Morelos	527.2	594.5	661.9	729.2	796.6	864	931.3	998.7	1066	1133.4	4	8	4	16	12	24	20	4	0	8
Contla de Juan Cuamatzi	479	539.9	600.9	661.8	722.7	783.6	844.5	905.5	966.4	1027.3	4	4	0	4	16	24	4	24	12	8
Tepetitlán de Lardizábal	513.7	559.3	604.8	650.4	695.9	741.4	787	832.5	878.1	923.6	15.3	0	7.6	23	7.6	23	7.6	0	7.6	0
Sanctórum de Lázaro Cárdenas	486.1	535.6	585.2	634.7	684.2	733.8	783.3	832.9	882.4	932	10	0	0	0	10	20	20	20	10	10
Nanacamilpa de Mariano Arista	483.7	530.8	578	625.2	672.3	719.5	766.7	813.9	861	908.2	4.3	0	0	8.6	8.6	30.4	8.6	21.7	4.3	13
Acuamantla de Miguel Hidalgo	527.2	594.5	661.9	729.2	796.6	864	931.3	998.7	1066	1133.4	4	8	4	16	12	24	20	4	0	8
Nativitas	556.9	620.9	685	749	813.1	877.2	941.2	1005.3	1069.3	1133.4	3.8	11.5	19.2	19.2	11.5	3.8	7.6	7.6	7.6	7.6
Panotla	187.7	269.3	351	432.6	514.3	596	677.6	759.3	840.9	922.6	3.7	0	0	0	3.7	0	18.5	18.5	29.6	25.9
San Pablo del Monte	527.2	594.5	661.9	729.2	796.6	864	931.3	998.7	1066	1133.4	4	8	4	16	12	24	20	4	0	8
Santa Cruz Tlaxcala	519.9	575.1	630.2	685.3	740.5	795.6	850.7	905.8	961	1016.1	8	4	4	8	24	8	28	12	0	4
Tenancingo	527.2	594.5	661.9	729.2	796.6	864	931.3	998.7	1066	1133.4	4	8	4	16	12	24	20	4	0	8
Teolochoico	527.2	594.5	661.9	729.2	796.6	864	931.3	998.7	1066	1133.4	4	8	4	16	12	24	20	4	0	8
Tepeyanco	556.9	620.9	685	749	813.1	877.2	941.2	1005.3	1069.3	1133.4	3.8	11.5	19.2	19.2	11.5	3.8	7.6	7.6	7.6	7.6
Terrenate	408.4	462.3	517.3	571.7	626.2	680.7	735.1	789.6	844	898.5	4	0	4	4	12	20	20	16	4	16

Tabla C.222. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Tlaxcala.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Tetla de la Solidaridad	433.1	471.7	510.3	549	587.6	626.3	664.9	703.6	742.2	780.9	9	9	0	9	9	18.1	0	9	27.2	9
Tetlatlahuca	574.4	636.5	698.6	760.7	822.9	885	947.1	1009.2	1071.3	1133.4	3.8	15.3	7.6	23	7.6	11.5	11.5	7.6	3.8	7.6
Tlaxcala	574.4	636.5	698.6	760.7	822.9	885	947.1	1009.2	1071.3	1133.4	3.8	15.3	7.6	23	7.6	11.5	11.5	7.6	3.8	7.6
Tlaxco	403.7	453.3	503	552.6	602.2	651.8	701.4	751.1	800.7	850.3	4	4	4	4	8	16	32	4	16	8
Tocatlán	408.4	462.8	517.3	571.7	626.2	680.7	735.1	789.6	844	898.5	4	0	4	4	12	20	20	16	4	16
Totolac	596.6	656.3	715.9	775.6	835.2	894.8	954.5	1014.1	1073.8	1133.4	8.3	4.1	15.6	20.8	4.1	8.3	8.3	16.6	8.3	4.1
Zitlaltepec de Trinidad S. S.	395.9	456.8	517.6	578.5	639.4	700.3	761.2	822	882.9	943.8	3.5	7.1	3.5	7.1	3.5	21.4	35.7	7.1	7.1	3.5
Tzompantepec	519.9	575.1	630.2	685.3	740.5	795.6	850.7	905.8	961	1016.1	8	4	4	8	24	8	28	12	0	4
Xaloztoc al	408.4	462.8	517.3	571.7	626.2	680.7	735.1	789.6	844	898.5	4	0	4	4	12	20	20	16	4	16
Xaltocan	404.2	454.3	504.3	554.4	604.5	654.6	704.7	754.7	804.8	854.9	8	0	4	8	8	16	32	4	12	8
Papalotla de Xicohténcatl	527.2	594.5	661.9	729.2	796.6	864	931.3	998.7	1066	1133.4	4	8	4	16	12	24	20	4	0	8
Xicohtzinco	556.9	620.9	685	749	813.1	877.2	941.2	1005.3	1069.3	1133.4	3.8	11.5	9.2	19.2	11.5	3.8	7.6	7.6	7.6	7.6
Yauhquemecan	519.9	575.1	630.2	685.3	740.5	795.6	850.7	905.8	961	1016.1	8	4	4	8	24	8	28	12	0	4
Zacateco	556.9	620.9	685	749	813.1	877.2	941.2	1005.3	1069.3	1133.4	3.8	11.5	9.2	19.2	11.5	3.8	7.6	7.6	7.6	7.6
Benito Juárez	461.2	503.7	546.3	588.8	631.3	673.9	716.4	759	801.5	844.1	11.5	3.8	5.3	19.2	11.5	19.2	7.6	7.6	0	3.8
Emiliano Zapata	224.6	294.7	364.7	434.7	504.7	574.8	644.8	714.8	784.9	854.9	3.7	0	0	7.4	7.4	11.1	33.3	14.8	11.1	11.1
Lázaro Cárdenas	224.6	294.7	364.7	434.7	504.7	574.8	644.8	714.8	784.9	854.9	3.7	0	0	7.4	7.4	11.1	33.3	14.8	11.1	11.1
Magdalena Tlaltelulco, La	479	539.9	600.9	661.8	722.7	783.6	844.5	905.5	966.4	1027.3	4	4	0	4	16	24	4	24	12	8
San Damián Texoloc	556.9	620.9	685	749	813.1	877.2	941.2	1005.3	1069.3	1133.4	3.8	11.5	9.2	19.2	11.5	3.8	7.6	7.6	7.6	7.6
San Francisco Tetlanohcan	523.2	576.3	629.5	682.6	735.8	789	842.1	895.3	948.4	1001.6	11.5	7.6	0	7.6	7.6	26.9	11.5	19.2	0	7.6
San Jerónimo Zacualpan	556.9	620.9	685	749	813.1	877.2	941.2	1005.3	1069.3	1133.4	3.8	11.5	9.2	19.2	11.5	3.8	7.6	7.6	7.6	7.6
San José Teacalco	519.9	575.1	630.2	685.3	740.5	795.6	850.7	905.8	961	1016.1	8	4	4	8	24	8	28	12	0	4
San Juan Huactzinco	556.9	620.9	685	749	813.1	877.2	941.2	1005.3	1069.3	1133.4	3.8	11.5	9.2	19.2	11.5	3.8	7.6	7.6	7.6	7.6
San Lorenzo axocomanitla	556.9	620.9	685	749	813.1	877.2	941.2	1005.3	1069.3	1133.4	3.8	11.5	9.2	19.2	11.5	3.8	7.6	7.6	7.6	7.6
San Lucas Tecopilco	403.7	453.3	503	552.6	602.2	651.8	701.4	751.1	800.7	850.3	4	4	4	4	8	16	32	4	16	8
Santa Ana Nopalucan	513.7	559.3	604.8	650.4	695.9	741.4	787	832.5	878.1	923.6	15.3	0	7.6	23	7.6	7.6	23	7.6	0	7.6
Santa Apolonia Teacalco	556.9	620.9	685	749	813.1	877.2	941.2	1005.3	1069.3	1133.4	3.8	11.5	9.2	19.2	11.5	3.8	7.6	7.6	7.6	7.6
Santa Catarina Ayometla	556.9	620.9	685	749	813.1	877.2	941.2	1005.3	1069.3	1133.4	3.8	11.5	9.2	19.2	11.5	3.8	7.6	7.6	7.6	7.6
Santa Cruz Quilehita	556.9	620.9	685	749	813.1	877.2	941.2	1005.3	1069.3	1133.4	3.8	11.5	9.2	19.2	11.5	3.8	7.6	7.6	7.6	7.6
Santa Isabel Xiloxotla	556.9	620.9	685	749	813.1	877.2	941.2	1005.3	1069.3	1133.4	3.8	11.5	9.2	19.2	11.5	3.8	7.6	7.6	7.6	7.6
Estatad	535.3	571	606.7	642.4	678.1	713.8	745.5	785.2	820.9	856.6	6.6	10	3.3	13.3	6.6	23.3	16.6	13.3	3.3	3.3

Tabla C.222. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Tlaxcala.

Municipio	Características promedio de la sequía meteorológica municipal								X _s	H _p disp S(mm)	Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad PerS(años)	DesvStd PerS (años)	Duración DS(años)	DesvStd DS (años)	Severidad SS(mm)	DesvStd SS (mm)	Intensidad IS(mm/año)	% de S respecto a X _s				
Amaxac de Guerrero	3.3	0.9	1.7	0.4	187.5	131.2	110.2	14	641.4	5.8	SEVERA	
Apetatitlán de Antonio Carvajal	3.5	0.9	1.8	0.6	202.8	130.3	112.6	14	679.3	5.1	SEVERA	
Atlangatepec	4.1	1.3	2	0.9	162.8	116	81.4	12	557	5.4	MUY SEVERA	
Atzacatlan	5.1	2	2.3	0.9	202.4	89.5	88	14	516.7	5.2	MUY SEVERA	
Apizaco	3.3	0.9	1.7	0.4	187.5	131.2	110.2	14	641.4	5.8	SEVERA	
Calpulalpan	4.7	1.9	1.9	1.4	241.1	294.7	126.8	19	531.1	7.3	SEVERA	
Carmen Tequexquitta, El	5.7	1.9	2.5	1.2	245.3	112	98.1	19	410.4	5.2	MUY SEVERA	
Cuapiaxtla	5.1	2	2.3	0.9	202.4	89.5	88	14	516.7	5.2	MUY SEVERA	
Cuaxomulco	3.3	0.9	1.7	0.4	187.5	131.2	110.2	14	641.4	5.8	SEVERA	
Chiautempan	3.3	0.9	1.8	0.9	242.8	128.5	134.8	16	686.8	4.7	SEVERA	
Muñoz de Domingo Arenas	4.2	0.9	1.6	0.7	191.5	126.5	119.6	17	583.1	7.3	SEVERA	
Españita	5.3	2.6	2.6	2.4	301.3	219.6	115.8	13	729.9	5.3	MUY SEVERA	
Huamantla	5.1	2	2.3	0.9	202.4	89.5	88	14	516.7	5.2	MUY SEVERA	
Hueyotlipan	3.6	1.9	1.7	1.1	170.4	134.6	100.2	13	631.4	4.8	SEVERA	
Ixtacuixtla de Mariano Matamoros	3	0.5	2.3	0.4	216.3	135.7	94	13	589.6	4.9	MUY SEVERA	
Ixtenco	5.1	2	2.3	0.9	202.4	89.5	88	14	516.7	5.2	MUY SEVERA	
Mazatecochco de J. M. Morelos	3	0.7	1.2	0.4	163.7	160.7	136.4	17	665.3	6.2	SEVERA	
Contla de Juan Cuamatzi	3.5	0.9	1.8	0.6	202.8	130.3	112.6	14	679.3	5.1	SEVERA	
Tepetitla de Lardizábal	3	0.5	2.3	0.4	216.3	135.7	94	13	589.6	4.9	MUY SEVERA	
Sanctórum de Lázaro Cárdenas	5	0	2.5	0.5	232.6	154.4	93	12	648.6	6.7	MUY SEVERA	
Nanacamilpa de Mariano Arista	4.2	1.4	2	1	143.3	126.3	71.6	9	658.5	5.3	MODERADA	
Acuamanala de Miguel Hidaigo	3	0.7	1.2	0.4	163.7	160.7	136.4	17	665.3	6.2	SEVERA	
Nativitas a/	3.4	0.9	1.8	0.9	226	144.8	125.5	16	657.2	4.5	SEVERA	
Panotla	4.1	1	1.5	0.4	223	210.1	148.6	20	593.4	7.2	SEVERA	
San Pablo del Monte	3	0.7	1.2	0.4	163.7	160.7	136.4	17	665.3	6.2	SEVERA	
Santa Cruz Tlaxcala	3.3	0.9	1.7	0.4	187.5	131.2	110.2	14	641.4	5.8	SEVERA	
Tenancingo	3	0.7	1.2	0.4	163.7	160.7	136.4	17	665.3	6.2	SEVERA	
Teolochoico	3	0.7	1.2	0.4	163.7	160.7	136.4	17	665.3	6.2	SEVERA	
Tepeyanco	3.4	0.9	1.8	0.9	226	144.8	125.5	16	657.2	4.5	SEVERA	
Terrenate	4.7	2.1	2	1.8	199.8	205.8	99.9	14	595.9	6	MUY SEVERA	

Tabla C.223. Características de la sequía promedio de cada municipio del estado de Tlaxcala.

Municipio	Características promedio de la sequía meteorológica municipal								Huvia disponible Hp disp S(mm)	Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad PerS(años)	DesvStd PerS (años)	Duración DS(años)	DesvStd DS (años)	Severidad SS(mm)	DesvStd SS (mm)	Intensidad IS(mm/año)	% de S respecto a Xc			
Tetla de la Solidaridad	3.3	1.2	1.5	0.8	139.6	102.2	93	15	520.5	4.4	SEVERA
Tetlatlahuca	3.4	0.9	1.8	0.9	216.2	129.8	120.1	15	672.5	4.2	SEVERA
Tlaxcala	3.4	0.9	1.8	0.9	216.2	129.8	120.1	15	672.5	4.2	SEVERA
Tlaxco	3.5	1.1	1.5	0.7	156.1	89.6	104	15	550.7	6.3	SEVERA
Tocatlán	4.7	2.1	2	1.8	195.8	205.8	109.2	14	595.9	6	MUY SEVERA
Totolac	3.3	0.9	1.8	0.9	242.8	128.5	134.8	16	686.8	4.7	SEVERA
Zitlaltepec de Trinidad S. S.	6.2	1.7	2.1	0.4	266.4	149.4	127.8	18	550.4	7.8	MUY SEVERA
Tzompantepec	3.3	0.9	1.7	0.4	187.5	131.2	110.2	14	641.4	5.8	SEVERA
Xaloztoc al	4.7	2.1	2	1.8	199.8	205.8	99.9	14	595.9	6	MUY SEVERA
Xaltocan	3	0.9	1.3	0.4	144.6	109.2	111.2	17	533.4	6.3	SEVERA
Papalotla de Xicohtencatl	3	0.7	1.2	0.4	163.7	160.7	136.4	17	665.3	6.2	SEVERA
Xicohtzinco	3.4	0.9	1.8	0.9	226	144.8	125.5	16	657.2	4.5	SEVERA
Yauhquemecan	3.3	0.9	1.7	0.4	187.5	131.2	110.2	14	641.4	5.8	SEVERA
Zacatlco	3.4	0.9	1.8	0.9	226	144.8	125.5	16	657.2	4.5	SEVERA
Benito Juárez	4.7	1.7	2.1	0.6	157.2	72.7	74.8	12	521.3	4.7	MUY SEVERA
Emiliano Zapata	3.9	1	1.7	0.6	199.1	184.7	117.1	19	490.4	2.1	SEVERA
Lázaro Cárdenas	3.9	1	1.7	0.6	199.1	184.7	117.1	19	490.4	2.1	SEVERA
Magdalena Tlailtelulco, La	3.5	0.9	1.8	0.6	202.8	130.3	112.6	14	679.3	5.1	SEVERA
San Damián Texoloc	3.4	0.9	1.8	0.9	226	144.8	125.5	16	657.2	4.5	SEVERA
San Francisco Tetlanohcan	4.7	1.6	1.6	0.4	229.9	126.6	143.6	19	597.4	2.7	SEVERA
San Jerónimo Zacualpan	3.4	0.9	1.8	0.9	226	144.8	125.5	16	657.2	4.5	SEVERA
San José Teacalco	3.3	0.9	1.7	0.4	187.5	131.2	110.2	14	641.4	5.8	SEVERA
San Juan Huactzinco	3.4	0.9	1.8	0.9	226	144.8	125.5	16	657.2	4.5	SEVERA
San Lorenzo axocomanitla	3.4	0.9	1.8	0.9	226	144.8	125.5	16	657.2	4.5	SEVERA
San Lucas Tecopilco	3.5	1.1	1.5	0.7	156.1	89.6	104	15	550.7	6.3	SEVERA
Santa Ana Nopalucan	3	0.5	2.3	0.4	216.3	135.7	94	13	589.6	4.9	MUY SEVERA
Santa Apolonia Teacalco	3.4	0.9	1.8	0.9	226	144.8	125.5	16	657.2	4.5	SEVERA
Santa Catarina Ayometla	3.4	0.9	1.8	0.9	226	144.8	125.5	16	657.2	4.5	SEVERA
Santa Cruz Quilehtla	3.4	0.9	1.8	0.9	226	144.8	125.5	16	657.2	4.5	SEVERA
Santa Isabel Xiloxotla	3.4	0.9	1.8	0.9	226	144.8	125.5	16	657.2	4.5	SEVERA
Estatal	4.8	1.5	1.8	0.8	149.3	100.2	82.9	12	598.7	6.1	SEVERA

Tabla C.223. Características de la sequía promedio de cada municipio del estado de Tlaxcala.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I'	Intensidad	Duración / máx	% de I máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I'(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Amaxac Gro	406.4	2	203.1	27	203.1	2	27	28.5	71.4	0	0	0	0	0	0	0	0
Apetatlán	401.7	2	200.8	25	200.8	2	25	28.5	57.1	14.2	0	0	0	0	0	0	0
Atlangatepec	347.8	2	173.9	27	259.4	1	40	28.5	57.1	0	14.2	0	0	0	0	0	0
Atzacatlan	319.6	4	79.9	13	148.7	1	24	16.6	50	16.6	16.6	0	0	0	0	0	0
Apizaco	406.4	2	203.1	27	203.1	2	27	28.5	71.4	0	0	0	0	0	0	0	0
Calpulalpan	825.1	5	165	25	208.9	2	31	50	33.3	0	0	16.6	0	0	0	0	0
Carmen T. El	408.5	5	81.7	16	147.2	2	28	0	80	0	0	20	0	0	0	0	0
Cuapiaxtla	319.6	4	79.9	13	148.7	1	24	16.6	50	16.6	16.6	0	0	0	0	0	0
Cuaxomulco	406.4	2	203.1	27	203.1	2	27	28.5	71.4	0	0	0	0	0	0	0	0
Chiautempan	421.7	2	210.8	25	210.8	2	25	42.8	42.8	0	14.2	0	0	0	0	0	0
Muñoz de D A	430.2	2	215.1	30	219.9	1	31	50	33.3	16.6	0	0	0	0	0	0	0
Españita	650.6	3	216.8	25	216.8	3	25	50	16.6	16.6	0	0	0	0	16.6	0	0
Huamantla	319.6	4	79.9	13	148.7	1	24	16.6	50	16.6	16.6	0	0	0	0	0	0
Hueyotlipan	404.6	3	134.8	18	297.3	1	40	66.6	0	22.2	11.1	0	0	0	0	0	0
Ixtacuixtla	404.9	2	202.4	29	202.4	2	29	0	66.6	33.3	0	0	0	0	0	0	0
Ixtenco	319.6	4	79.9	13	148.7	1	24	16.6	50	16.6	16.6	0	0	0	0	0	0
Mazatecochco	583.6	2	291.8	36	291.8	2	36	77.7	22.2	0	0	0	0	0	0	0	0
Contla	401.7	2	200.8	25	200.8	2	25	28.5	57.1	14.2	0	0	0	0	0	0	0
Tepetitla	404.9	2	202.4	29	202.4	2	29	0	66.6	33.3	0	0	0	0	0	0	0
Sanctorum	387.1	2	193.5	26	193.5	2	26	0	50	50	0	0	0	0	0	0	0
Nanacamilpa	364	2	182	24	182	2	24	33.3	50	0	16.6	0	0	0	0	0	0
Acuamantla	583.6	2	291.8	36	291.8	2	36	77.7	22.2	0	0	0	0	0	0	0	0
Nativitas a/	479.5	2	239.7	30	239.7	2	30	37.5	50	0	12.5	0	0	0	0	0	0
Panotla	682.8	2	341.4	46	341.4	2	46	42.8	57.1	0	0	0	0	0	0	0	0
Sn Pablo Monte	583.6	2	291.8	36	291.8	2	36	77.7	22.2	0	0	0	0	0	0	0	0
Sta C Tlaxcala	406.4	2	203.1	27	203.1	2	27	28.5	71.4	0	0	0	0	0	0	0	0
Tenancingo	583.6	2	291.8	36	291.8	2	36	77.7	22.2	0	0	0	0	0	0	0	0
Teolocholco	583.6	2	291.8	36	291.8	2	36	77.7	22.2	0	0	0	0	0	0	0	0
Tepeyanco	479.5	2	239.7	30	239.7	2	30	37.5	50	0	12.5	0	0	0	0	0	0
Terrenate	644.9	6	107.4	15	180	1	25	66.6	16.6	0	0	0	16.6	0	0	0	0

Tabla C.224. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Tlaxcala.

Municipio	Características máximas de la sequía meteorológica municipal						Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones											
	Severidad	Duración	I ^m =S ^{máx} /D ^{máx}	% de I ^m	Intensidad	Duración I ^{máx}	% de I ^{máx}	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años	
	S ^{máx} (mm)	D ^{máx} (años)	I ^m (mm/año)	respecto a X _c	I ^{máx} (mm/año)	D I ^{máx} (años)	respecto a X _c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
Tetla	291.9	3	97.3	15	167.4	1	27	75	0	25	0	0	0	0	0	0	0	0
Tetlatlahuca	487.3	2	243.6	30	243.6	2	30	37.5	50	0	12.5	0	0	0	0	0	0	0
Tlaxcala	487.3	2	243.6	30	243.6	2	30	37.5	50	0	12.5	0	0	0	0	0	0	0
Tlaxco	300.6	1	300.6	45	300.6	1	45	57.1	28.5	14.2	0	0	0	0	0	0	0	0
Tocatlán	644.9	6	107.4	15	180	1	25	66.6	16.6	0	0	0	16.6	0	0	0	0	0
Totolac	421.7	2	210.8	25	210.8	2	25	42.8	42.8	0	14.2	0	0	0	0	0	0	0
Zitlaltepec	462.6	2	231.3	34	231.3	2	34	0	80	20	0	0	0	0	0	0	0	0
Tzompantepec	406.4	2	203.1	27	203.1	2	27	28.5	71.4	0	0	0	0	0	0	0	0	0
Xaloztoc a/	644.9	6	107.4	15	180	1	25	66.6	16.6	0	0	0	16.6	0	0	0	0	0
Xaltocan	304.5	2	152.2	23	290.5	1	45	62.5	37.5	0	0	0	0	0	0	0	0	0
Papalotla	583.6	2	291.8	36	291.8	2	36	77.7	22.2	0	0	0	0	0	0	0	0	0
Xicohtzincó	479.5	2	239.7	30	239.7	2	30	37.5	50	0	12.5	0	0	0	0	0	0	0
Yauhquemecan	406.4	2	203.1	27	203.1	2	27	28.5	71.4	0	0	0	0	0	0	0	0	0
Zacatelco	479.5	2	239.7	30	239.7	2	30	37.5	50	0	12.5	0	0	0	0	0	0	0
Benito Juárez	276.5	3	92.1	15	98.8	2	16	16.6	50	33.3	0	0	0	0	0	0	0	0
Emiliano Zapata	552.3	2	276.1	45	276.1	2	45	42.8	42.8	14.2	0	0	0	0	0	0	0	0
Lázaro Cárdenas	552.3	2	276.1	45	276.1	2	45	42.8	42.8	14.2	0	0	0	0	0	0	0	0
Magdalena, La	401.7	2	200.8	25	200.8	2	25	28.5	57.1	14.2	0	0	0	0	0	0	0	0
Sn D Texoloc	479.5	2	239.7	30	239.7	2	30	37.5	50	0	12.5	0	0	0	0	0	0	0
Sn Fco Tetlan.	437.5	2	213.7	29	225.2	1	30	33.3	66.6	0	0	0	0	0	0	0	0	0
Sn J Zacualpan	479.5	2	239.7	30	239.7	2	30	37.5	50	0	12.5	0	0	0	0	0	0	0
Sn J Teacalco	406.4	2	203.1	27	203.1	2	27	28.5	71.4	0	0	0	0	0	0	0	0	0
Sn J Huactzinco	479.5	2	239.7	30	239.7	2	30	37.5	50	0	12.5	0	0	0	0	0	0	0
Sn L Axocom.	479.5	2	239.7	30	239.7	2	30	37.5	50	0	12.5	0	0	0	0	0	0	0
Sn L Tecopilco	300.6	1	300.6	45	300.6	1	45	57.1	28.5	14.2	0	0	0	0	0	0	0	0
Sta A Nopalucan	404.9	2	202.4	29	202.4	2	29	0	66.6	33.3	0	0	0	0	0	0	0	0
Sta A Teacalco	479.5	2	239.7	30	239.7	2	30	37.5	50	0	12.5	0	0	0	0	0	0	0
Sta C Ayometla	479.5	2	239.7	30	239.7	2	30	37.5	50	0	12.5	0	0	0	0	0	0	0
Sta C Quilehlla	479.5	2	239.7	30	239.7	2	30	37.5	50	0	12.5	0	0	0	0	0	0	0
Sta I Xilioxotla	479.5	2	239.7	30	239.7	2	30	37.5	50	0	12.5	0	0	0	0	0	0	0
Estatad	293.2	2	146.6	21	146.6	2	21	42.8	28.5	28.5	0	0	0	0	0	0	0	0

Tabla C.224. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Tlaxcala.

VERACRUZ



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de					retorno (Tr)		lluvia mínima		
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	Tr(años)	Tr(años)
	X _a (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min	para
HA30001	1830.0	1889.9	286.2	0.0	3.6	0.16	1619.4	1366.3	1198.8	1038.1	830.1	674.2	4.8	1258.1	7.8	
HA30002	989.6	991.5	255.6	0.2	3.8	0.26	1005.0	879.0	671.0	454.0	177.0	0.0	12.5	492.3	17.7	
HA30003	845.8	843.2	193.4	0.3	3.1	0.23	824.0	698.0	609.0	514.0	371.0	250.0	13.8	492.7	23.1	
HA30004	570.3	577.5	142.4	-0.4	3.6	0.25	575.0	465.0	398.0	335.0	254.0	193.0	18.8	285.5	34.8	
HA30005	2296.0	2378.9	480.0	-0.8	5.5	0.21	1942.8	1518.4	1237.5	968.0	619.1	357.7	8.0	1128.5	13.2	
HA30006	1204.5	1234.5	329.6	0.0	2.9	0.27	1247.0	880.0	765.0	661.0	526.0	424.0	18.4	538.5	46.0	
HA30007	911.2	925.2	272.7	0.2	3.6	0.30	899.0	669.0	560.0	423.0	205.0	33.0	14.0	388.0	23.4	
HA30008	1320.8	1338.5	371.6	-0.2	5.0	0.28	1334.0	1033.0	821.0	600.0	282.0	18.0	26.8	312.8	46.0	
HA30009	1783.3	1822.1	436.6	-0.3	3.5	0.24	1815.0	1372.0	1337.0	1121.0	798.0	557.0	25.5	862.9	41.6	
HA30011	2354.2	2303.3	678.5	0.4	3.2	0.29	2246.0	1727.0	1472.0	1198.0	767.0	391.0	10.8	1173.0	21.2	
HA30012	1789.4	1721.4	421.3	-0.2	3.6	0.24	1742.0	1466.0	1318.0	1177.0	986.0	834.0	58.9	759.0	138.5	
HA30013	1577.7	1508.4	343.5	0.7	3.2	0.22	1484.0	1295.0	1185.0	1079.0	934.0	815.0	9.6	1066.2	21.7	
HA30014	1508.4	1547.3	235.1	-0.1	3.7	0.16	1515.0	1333.0	1216.0	1101.0	948.0	830.0	20.2	1002.8	36.1	
HA30015	1322.8	1328.0	252.4	0.1	3.2	0.19	1310.0	1128.0	1018.0	915.0	784.0	685.0	26.2	776.5	52.6	
HA30016	1267.3	1278.8	284.0	0.3	4.1	0.22	1239.0	1046.0	924.0	802.0	635.0	499.0	20.8	669.2	41.6	
HA30018	1168.8	1127.9	241.2	0.9	4.2	0.21	1131.0	993.0	906.0	823.0	716.0	636.0	9.7	809.7	22.5	
HA30021	877.8	897.1	192.9	0.0	3.1	0.22	923.0	670.0	600.0	537.0	445.0	364.0	9.7	531.5	21.2	
HA30022	2065.2	1846.9	834.4	3.6	19.3	0.40	1918.0	1588.0	1359.0	1118.0	711.0	168.0	2.6	1356.8	10.1	
HA30024	787.9	821.9	240.6	-0.3	3.2	0.31	791.0	617.0	509.0	406.0	274.0	175.0	15.9	360.3	27.3	
HA30025	1905.1	1886.4	368.1	0.7	4.0	0.19	1857.0	1580.0	1406.0	1233.0	992.0	797.0	6.2	1379.7	11.1	
HA30026	1570.8	1584.9	330.7	-0.1	2.2	0.21	1569.0	1295.0	1137.0	989.0	800.0	659.0	8.6	1067.9	13.8	
HA30029	1935.5	1967.2	420.3	-0.2	3.9	0.22	1954.0	1633.0	1412.0	1187.0	872.0	619.0	21.6	979.8	36.8	
HA30031	1450.8	1338.5	592.8	2.1	8.8	0.41	1320.0	1142.0	1016.0	874.0	599.0	190.0	26.9	531.5	57.9	
HA30032	1895.6	1911.3	281.3	-0.5	4.7	0.15	1905.0	1702.0	1572.0	1445.0	1278.0	1149.0	72.0	1077.5	146.3	
HA30033	4670.9	4676.5	680.7	0.3	4.1	0.15	4653.0	4096.0	3689.0	3250.0	2609.0	2088.0	12.7	3216.9	21.0	
HA30034	2445.7	2436.2	446.5	1.0	5.5	0.18	2441.0	2030.0	1739.0	1433.0	963.0	516.0	5.5	1781.5	9.1	
HA30035	1286.8	1241.8	294.7	1.4	6.9	0.23	1212.0	1078.0	964.0	786.0	450.0	184.0	10.0	823.9	17.7	
HA30037	2526.3	2642.5	674.6	-1.1	3.7	0.27	2724.0	2075.0	1802.0	1156.0	587.0	165.0	16.9	1034.0	24.3	
HA30039	1032.5	1017.7	261.0	-0.2	3.9	0.25	1028.0	865.0	738.0	587.0	371.0	207.0	22.8	442.8	37.0	
HA30040	1636.1	1567.0	337.2	1.0	5.6	0.21	1568.0	1378.0	1249.0	1107.0	878.0	664.0	11.8	1065.5	24.1	
HA30041	1924.1	1634.3	764.9	1.8	7.0	0.40	1578.0	1333.0	1130.0	739.0	0.0	0.0	3.3	1135.6	9.8	
HA30042	1872.2	1866.6	216.6	0.3	4.2	0.12	1877.0	1744.0	1561.0	1389.0	1167.0	1001.0	11.5	1433.3	16.7	
HA30043	1890.6	1797.7	536.2	0.9	4.5	0.28	1742.0	1404.0	1195.0	980.0	663.0	386.0	4.4	1232.1	8.8	

Tabla C.225. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Veracruz.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer-	registrada	para
X _c (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min	
HA30044	1343.9	1324.3	186.8	0.3	3.3	0.14	1316.0	1194.0	1123.0	1056.0	970.0	905.0	19.0	988.5	41.1
HA30045	1119.4	1127.2	289.6	0.0	2.8	0.26	1110.0	886.0	756.0	634.0	479.0	363.0	10.8	643.8	18.9
HA30046	1221.3	1174.0	324.2	0.3	2.4	0.27	1156.0	951.0	836.0	731.0	596.0	495.0	7.6	775.4	14.9
HA30047	1102.5	1088.8	255.1	-0.2	3.1	0.23	1095.0	902.0	785.0	676.0	534.0	428.0	22.8	559.7	42.4
HA30048	1379.3	1314.1	320.7	0.9	3.3	0.23	1314.0	1138.0	1029.0	926.0	793.0	694.0	8.9	934.0	18.9
HA30049	987.3	987.8	311.4	0.0	5.1	0.32	976.0	800.0	675.0	538.0	321.0	123.0	51.8	164.7	87.0
HA30050	1159.7	1116.0	244.0	0.2	3.6	0.21	1114.0	1000.0	906.0	772.0	557.0	392.0	22.0	648.8	34.0
HA30051	985.0	917.3	273.4	1.1	5.4	0.28	956.0	780.0	667.0	559.0	420.0	316.0	6.6	632.9	12.4
HA30054	1591.0	1560.5	388.9	1.0	6.3	0.24	1474.0	1185.0	925.0	601.0	147.0	0.0	7.9	819.3	12.7
HA30055	1287.6	1239.3	238.0	0.6	3.4	0.18	1240.0	1120.0	1047.0	978.0	889.0	822.0	28.7	845.5	78.4
HA30056	1647.7	1587.1	338.5	1.3	5.3	0.21	1556.0	1425.0	1341.0	1257.0	1136.0	1030.0	13.2	1159.4	42.4
HA30058	1392.1	1392.5	322.6	0.8	5.3	0.23	1380.0	1160.0	1009.0	852.0	623.0	422.0	13.9	778.7	27.2
HA30059	912.8	899.8	254.4	0.1	3.4	0.28	725.6	500.8	351.9	209.0	24.2	0.0	3.3	516.8	4.7
HA30060	990.4	967.2	242.3	0.7	6.0	0.24	948.0	823.0	715.0	557.0	293.0	87.0	20.0	426.5	31.7
HA30061	1823.8	1853.0	293.1	-1.1	7.4	0.16	1851.0	1639.0	1490.0	1338.0	1123.0	949.0	74.4	873.3	133.9
HA30062	1928.2	1973.9	443.9	-0.3	3.9	0.23	1963.0	1577.0	1347.0	1132.0	857.0	652.0	8.7	1261.2	13.1
HA30064	2433.9	2429.7	481.0	-1.3	6.3	0.20	2440.0	2110.0	1922.0	1747.0	1524.0	1357.0	175.8	1016.2	418.5
HA30065	1574.9	1643.1	231.3	-0.3	2.5	0.15	1404.7	1200.3	1064.9	935.1	767.0	641.1	3.4	1208.9	4.8
HA30066	1993.7	2027.3	277.5	-1.1	6.2	0.14	2042.0	1888.0	1695.0	1513.0	1279.0	1104.0	58.4	1105.0	99.5
HA30067	1377.0	1366.4	241.9	-0.1	2.4	0.18	1358.0	1165.0	1073.0	990.0	885.0	806.0	14.9	942.6	30.1
HA30068	923.2	945.3	241.1	-3.1	3.2	0.26	955.0	766.0	561.0	369.0	123.0	0.0	10.4	451.8	14.8
HA30069	1314.8	1329.4	303.5	-0.2	2.4	0.23	1304.0	1073.0	942.0	819.0	662.0	545.0	10.9	839.5	17.8
HA30070	1608.6	1526.8	261.0	0.8	3.6	0.16	1530.0	1398.0	1317.0	1228.0	1081.0	940.0	8.1	1249.5	17.1
HA30071	1424.2	1314.0	359.9	1.2	4.9	0.25	1369.0	1170.0	1044.0	925.0	771.0	655.0	8.6	926.9	19.7
HA30072	1736.7	1712.4	283.2	-0.2	3.6	0.16	1709.0	1576.0	1454.0	1285.0	1043.0	860.0	22.7	1135.1	35.3
HA30074	1655.8	1680.1	334.2	-0.1	3.3	0.20	1659.0	1406.0	1247.0	1094.0	894.0	741.0	20.1	949.0	38.8
HA30076	1081.9	1091.1	205.8	0.8	5.0	0.19	1087.0	968.0	891.0	818.0	722.0	651.0	16.5	745.8	39.9
HA30077	1898.7	1887.1	249.5	0.5	4.2	0.13	1887.0	1729.0	1626.0	1524.0	1384.0	1269.0	16.8	1438.4	35.3
HA30079	1424.4	1385.0	292.4	0.6	4.2	0.21	1363.0	1193.0	1083.0	971.0	809.0	669.0	24.3	800.9	52.1
HA30080	1778.4	1840.3	207.7	-0.4	2.7	0.12	1835.0	1575.0	1484.0	1403.0	1300.0	1223.0	9.0	1440.0	14.5
HA30081	1893.8	1731.4	456.3	0.4	3.1	0.24	1558.0	1154.6	887.6	631.4	299.8	51.3	3.8	1081.1	6.0
HA30082	1767.9	1696.3	460.8	1.0	7.0	0.26	1594.0	1399.0	1161.0	771.0	251.0	0.0	12.6	797.5	19.1
HA30083	1459.0	1408.5	216.5	0.6	3.5	0.15	1399.0	1267.0	1191.0	1110.0	982.0	867.0	8.7	1125.0	17.7

Tabla C.225. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Veracruz.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de					retorno (Tr)	Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _o (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
HA30085	1614.9	1591.9	272.7	0.3	2.6	0.17	1574.0	1367.0	1289.0	1213.0	1103.0	1006.0	15.4	1141.2	37.0
HA30086	1168.8	1186.9	227.4	-0.6	3.8	0.19	1181.0	996.0	885.0	782.0	650.0	551.0	17.9	722.2	30.2
HA30087	1292.0	1296.9	233.7	-0.1	3.1	0.18	1290.0	1078.0	972.0	872.0	742.0	641.0	19.6	775.3	39.6
HA30088	999.1	819.3	458.4	1.8	7.3	0.46	743.0	629.0	506.0	158.0	0.0	0.0	1.8	580.6	7.1
HA30089	1397.8	1389.9	335.8	0.4	3.6	0.24	1378.0	1154.0	1012.0	879.0	706.0	577.0	14.6	803.9	29.7
HA30090	2551.6	2609.3	685.8	-0.8	5.9	0.27	2550.0	1979.0	1582.0	1179.0	613.0	153.0	32.0	556.7	54.6
HA30091	1439.9	1407.4	395.8	1.2	5.8	0.27	1420.0	1201.0	1058.0	923.0	747.0	616.0	15.0	813.7	35.3
HA30093	929.5	863.5	251.8	0.5	3.0	0.27	868.0	704.0	617.0	524.0	377.0	244.0	11.4	502.5	23.2
HA30094	1143.0	1201.0	331.7	-1.2	4.8	0.29	1207.0	918.0	723.0	536.0	292.0	108.0	30.0	299.9	48.5
HA30096	1279.4	1282.5	428.6	-1.1	6.5	0.33	1280.0	1094.0	808.0	539.0	193.0	0.0	34.1	167.5	53.6
HA30098	1399.5	1347.5	409.9	0.3	2.8	0.29	1336.0	1062.0	902.0	752.0	560.0	416.0	12.8	706.2	24.8
HA30100	703.3	695.7	261.0	0.3	4.6	0.37	707.0	487.0	332.0	172.0	0.0	0.0	9.8	232.5	15.5
HA30101	1020.5	1020.0	323.5	-0.1	4.2	0.32	1028.0	851.0	737.0	629.0	489.0	385.0	54.3	340.0	135.0
HA30102	1483.1	1495.9	358.5	-0.6	5.2	0.24	1512.0	1250.0	1077.0	909.0	688.0	517.0	58.5	468.4	121.5
HA30103	989.6	948.6	303.9	0.3	3.6	0.31	949.0	742.0	614.0	486.0	303.0	151.0	14.9	415.7	28.7
HA30104	1085.5	1015.0	269.9	0.8	4.4	0.25	1018.0	903.0	820.0	714.0	505.0	314.0	25.1	546.9	42.5
HA30105	1407.3	1396.7	430.5	0.3	4.1	0.31	1358.0	1082.0	879.0	647.0	280.0	0.0	18.8	482.2	30.8
HA30106	1414.4	1329.1	298.4	0.5	3.7	0.21	1344.0	1213.0	1116.0	989.0	751.0	547.0	23.5	822.2	38.9
HA30108	1797.3	1759.8	435.1	1.6	7.8	0.24	1738.0	1503.0	1346.0	1187.0	959.0	756.0	7.4	1207.0	18.4
HA30109	1236.1	1209.3	394.2	0.5	5.1	0.32	1226.0	947.0	723.0	452.0	11.0	0.0	10.4	543.5	16.1
HA30110	1430.3	1419.2	319.5	0.8	5.3	0.22	1421.0	1210.0	1072.0	939.0	763.0	629.0	11.8	902.9	24.1
HA30111	2609.1	2440.4	548.2	1.5	6.9	0.21	2440.0	2194.0	2021.0	1813.0	1410.0	1002.0	7.2	1865.1	17.1
HA30112	983.8	955.0	264.3	1.0	6.2	0.27	985.0	757.0	598.0	433.0	181.0	0.0	8.5	503.7	15.0
HA30113	2488.0	2639.0	670.8	-0.4	3.5	0.27	2563.0	1997.0	1611.0	1227.0	706.0	295.0	16.9	1041.0	27.9
HA30114	1522.0	1623.3	391.3	-0.9	4.2	0.26	1574.0	1243.0	1029.0	825.0	562.0	365.0	34.1	504.3	61.2
HA30115	2504.5	2460.8	493.4	0.7	7.3	0.20	2491.0	2222.0	2036.0	1841.0	1535.0	1232.0	56.6	1202.0	106.2
HA30116	1098.7	1035.9	255.2	0.5	3.0	0.23	1043.0	892.0	798.0	710.0	596.0	511.0	11.4	697.0	22.2
HA30117	1541.0	1508.7	357.2	-0.4	7.4	0.23	1581.0	1353.0	1203.0	1060.0	874.0	735.0	138.4	473.5	371.0
HA30118	1652.3	1674.5	375.6	-0.2	2.3	0.23	1689.0	1294.0	1125.0	972.0	780.0	638.0	9.0	1025.7	15.6
HA30119	2500.0	2470.1	367.0	-0.3	2.8	0.15	2508.0	2188.0	2029.0	1883.0	1699.0	1562.0	11.4	1882.5	20.0
HA30121	1887.5	1886.0	441.5	0.3	4.3	0.23	1843.0	1508.0	1262.0	990.0	585.0	254.0	14.1	913.0	24.0
HA30123	1304.8	1261.0	275.4	0.5	3.0	0.21	1240.0	1064.0	968.0	879.0	764.0	676.0	11.2	853.4	24.5
HA30124	915.7	879.5	204.2	0.2	3.4	0.22	871.0	774.0	716.0	662.0	592.0	540.0	68.1	489.0	197.1

Tabla C.225. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Veracruz.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de					retorno (Tr)	Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _c (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
HA30125	1100.6	997.0	437.4	1.7	7.7	0.40	1031.0	821.0	682.0	543.0	345.0	173.0	14.7	387.7	41.5
HA30128	431.2	394.5	126.2	0.4	2.6	0.29	400.0	327.0	287.0	250.0	202.0	166.0	12.4	232.4	27.7
HA30129	1256.4	1192.9	325.8	0.3	3.3	0.26	1181.0	1007.0	904.0	801.0	652.0	523.0	22.2	653.8	49.5
HA30130	1331.2	1283.7	498.7	1.8	9.0	0.37	1278.0	983.0	774.0	546.0	167.0	0.0	7.2	633.9	15.5
HA30131	1931.8	1841.5	440.3	0.2	3.4	0.23	1841.0	1603.0	1448.0	1266.0	957.0	691.0	29.5	951.0	50.8
HA30132	1050.7	1021.0	266.9	0.7	3.6	0.25	987.0	814.0	710.0	602.0	441.0	300.0	7.0	655.4	14.3
HA30133	1348.1	1408.9	393.3	-0.4	4.4	0.29	1058.7	711.0	480.7	259.9	0.0	0.0	6.1	486.5	9.8
HA30134	2383.8	2478.7	525.2	-0.1	3.9	0.22	2390.0	1922.0	1696.0	1436.0	1031.0	703.0	23.2	1118.0	41.4
HA30136	1189.0	1215.7	383.7	0.1	3.2	0.32	1187.0	887.0	679.0	466.0	165.0	0.0	10.3	519.3	16.9
HA30137	1348.1	1262.2	296.6	0.1	2.9	0.22	1268.0	1117.0	1033.0	955.0	855.0	780.0	55.7	724.9	167.8
HA30141	926.4	905.4	286.9	0.2	3.0	0.31	906.0	703.0	578.0	461.0	310.0	197.0	13.9	410.5	27.0
HA30142	1488.9	1483.1	468.1	0.1	4.3	0.31	1144.5	730.6	456.7	193.8	0.0	0.0	5.4	490.0	9.2
HA30143	1320.1	1335.3	344.0	0.7	4.0	0.26	1302.0	990.0	853.0	614.0	287.0	42.0	9.9	722.8	14.8
HA30144	1177.8	1110.2	387.4	0.6	3.9	0.33	1104.0	869.0	731.0	595.0	411.0	262.0	10.1	595.1	20.0
HA30146	1908.3	1951.5	438.3	-0.2	3.3	0.23	1922.0	1556.0	1332.0	1121.0	850.0	648.0	22.5	895.0	43.0
HA30148	1271.6	1319.8	239.2	-2.2	11.0	0.19	1321.0	1163.0	1018.0	853.0	627.0	457.0	50.8	516.8	78.2
HA30149	1642.6	1643.3	381.7	-0.1	3.2	0.23	1641.0	1318.0	1138.0	966.0	737.0	558.0	11.2	967.7	19.9
HA30150	1405.5	1353.8	508.7	0.6	3.9	0.36	1337.0	1056.0	880.0	714.0	499.0	337.0	16.2	568.6	37.1
HA30151	2018.9	2024.9	349.9	-0.3	4.3	0.17	2033.0	1797.0	1588.0	1347.0	1016.0	765.0	19.9	1189.5	30.9
HA30152	1428.6	1345.3	420.2	2.7	13.3	0.29	1378.0	1159.0	1016.0	877.0	692.0	548.0	5.1	947.5	14.1
HA30153	1469.0	1436.4	328.0	-1.2	8.3	0.22	1419.0	1281.0	1175.0	1029.0	789.0	602.0	133.2	349.8	254.3
HA30155	1944.3	1954.1	493.3	-0.2	4.9	0.25	1979.0	1579.0	1292.0	986.0	526.0	127.0	18.1	804.4	29.2
HA30156	2127.5	2042.9	316.9	1.6	7.9	0.15	2052.0	1913.0	1822.0	1725.0	1571.0	1418.0	5.3	1795.0	12.2
HA30157	1008.1	1006.7	328.1	0.0	3.0	0.33	1007.0	755.0	599.0	453.0	264.0	123.0	16.0	377.2	28.8
HA30158	957.3	923.0	257.0	2.0	9.9	0.27	911.0	768.0	668.0	560.0	381.0	195.0	4.9	642.9	11.8
HA30159	1477.3	1365.3	348.2	0.5	3.1	0.24	1221.1	913.3	709.4	514.0	260.9	71.3	3.2	935.1	4.7
HA30160	962.8	961.1	262.9	0.0	3.1	0.27	963.0	750.0	617.0	489.0	323.0	197.0	12.9	470.2	22.2
HA30162	2437.4	2438.3	653.2	0.3	3.5	0.27	2395.0	1943.0	1632.0	1305.0	828.0	431.0	14.7	1191.0	25.2
HA30163	997.6	1022.7	231.8	0.1	2.8	0.23	1004.0	774.0	671.0	571.0	432.0	319.0	8.3	615.5	14.8
HA30164	2180.6	2228.3	290.9	0.1	3.3	0.13	2199.0	1895.0	1798.0	1698.0	1540.0	1398.0	10.4	1690.7	21.0
HA30165	1001.0	979.0	280.9	-0.2	2.9	0.28	991.0	770.0	645.0	529.0	380.0	270.0	16.4	457.9	30.9
HA30166	1183.7	1076.5	503.4	2.2	11.6	0.43	1045.0	789.0	574.0	247.0	0.0	0.0	6.5	456.9	13.4
HA30167	2173.8	2317.0	519.3	-1.6	6.2	0.24	2321.0	1881.0	1525.0	1175.0	724.0	390.0	47.5	522.5	75.9

Tabla C.225. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Veracruz.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media X _o (mm)	Mediana (mm)	Desv Std S(mm)	Coeficientes g k Cv			2 años Hp(mm)	5 años Hp(mm)	10 años Hp(mm)	20 años Hp(mm)	50 años Hp(mm)	100 años Hp(mm)	primer decil	registrada Hp min(mm)	para Hp min
HA30168	1661.6	1594.3	405.5	0.4	3.3	0.24	1602.0	1333.0	1168.0	1007.0	785.0	606.0	10.2	1001.5	20.5
HA30169	1206.5	1095.8	308.1	1.4	6.3	0.26	1087.0	972.0	876.0	701.0	383.0	141.0	6.0	830.2	12.6
HA30170	3733.9	3864.6	713.8	-3.9	4.2	0.19	3794.0	3267.0	2956.0	2663.0	2289.0	2010.0	65.8	1899.9	131.6
HA30171	1304.8	1295.7	365.3	-3.1	4.3	0.28	1315.0	1059.0	876.0	682.0	401.0	173.0	13.1	676.0	20.4
HA30173	2155.7	2176.3	485.6	0.2	4.1	0.23	2128.0	1784.0	1521.0	1221.0	763.0	388.0	19.1	1012.6	30.8
HA30174	1571.5	1635.5	375.1	-0.6	4.5	0.24	1646.0	1380.0	1138.0	864.0	493.0	212.0	19.9	714.1	29.0
HA30175	1492.2	1518.7	415.8	-0.8	7.3	0.28	1499.0	1190.0	989.0	797.0	547.0	359.0	80.0	196.5	182.1
HA30175	1492.2	1518.7	415.8	-0.8	7.3	0.28	1499.0	1190.0	989.0	797.0	547.0	359.0	80.0	196.5	182.1
HA30176	1131.6	968.7	481.8	3.0	15.1	0.43	934.0	802.0	586.0	0.0	0.0	0.0	1.9	708.7	7.6
HA30177	1685.4	1764.7	454.0	-0.3	3.0	0.27	1744.0	1255.0	1076.0	909.0	672.0	475.0	21.5	710.0	43.5
HA30178	387.5	336.8	168.2	0.7	3.4	0.43	335.0	241.0	188.0	134.0	55.0	0.0	4.9	185.9	10.2
HA30179	2025.2	2055.8	373.4	-0.9	7.7	0.18	2049.0	1827.0	1670.0	1501.0	1242.0	1011.0	110.6	761.5	196.3
HA30180	1478.6	1454.5	464.4	1.1	6.5	0.31	1409.0	1125.0	926.0	703.0	337.0	0.0	12.6	626.5	24.8
HA30182	1532.9	1277.5	598.3	2.0	8.3	0.39	1234.0	1089.0	952.0	588.0	0.0	0.0	1.7	1001.2	8.2
HA30183	1727.8	1686.1	463.7	0.6	4.6	0.27	1667.0	1416.0	1255.0	1096.0	877.0	697.0	35.1	754.0	80.9
HA30185	1350.9	1320.4	287.8	0.0	3.2	0.21	1323.0	1117.0	1005.0	885.0	705.0	554.0	17.8	798.7	31.7
HA30186	452.7	429.6	176.5	1.2	7.4	0.39	424.0	298.0	136.0	0.0	0.0	0.0	6.1	177.0	8.5
HA30187	1852.6	1854.5	320.4	-0.4	3.9	0.17	1888.0	1612.0	1432.0	1259.0	1036.0	869.0	27.2	1034.1	50.4
HA30191	1330.8	1338.6	384.8	0.0	3.0	0.29	1337.0	1034.0	842.0	659.0	424.0	248.0	19.2	517.4	34.6
HA30193	1283.4	1166.6	350.9	1.9	8.6	0.27	1159.0	1013.0	894.0	704.0	297.0	0.0	4.7	852.3	12.1
HA30194	1330.8	1338.6	384.8	0.0	3.0	0.29	1337.0	1034.0	842.0	659.0	424.0	248.0	19.2	517.4	34.6
HA30195	867.0	878.9	294.7	-0.2	3.7	0.34	899.0	756.0	510.0	259.0	0.0	0.0	13.5	281.9	18.7
HA30197	2992.2	2878.7	874.5	0.8	7.3	0.29	2994.0	2351.0	1902.0	1433.0	699.0	0.0	14.1	1227.8	26.5
HA30198	382.6	380.8	136.3	0.2	4.1	0.36	408.0	310.0	237.0	156.0	24.0	0.0	15.4	128.0	24.7
HA30199	1032.7	1046.2	301.4	-0.5	3.7	0.29	1054.0	815.0	664.0	521.0	335.0	195.0	31.8	302.4	58.6
HA30200	2615.3	2608.5	328.0	0.2	2.9	0.13	2577.0	2341.0	2213.0	2092.0	1934.0	1812.0	9.4	2101.6	18.9
HA30201	1656.9	1684.5	357.9	0.0	3.7	0.22	1674.0	1353.0	1135.0	919.0	628.0	400.0	13.9	877.3	22.9
HA30202	1253.7	1215.7	399.0	-0.1	3.5	0.32	1317.0	1022.0	831.0	649.0	414.0	237.0	20.2	498.9	35.8
HA30203	951.3	1003.5	334.2	0.3	4.1	0.35	962.0	637.0	577.0	385.0	112.0	0.0	11.6	434.1	17.0
HA30204	2021.0	1996.6	481.4	-0.2	3.5	0.24	2090.0	1724.0	1489.0	1266.0	978.0	762.0	31.5	930.5	58.1
HA30205	1377.8	1309.3	291.9	0.0	2.9	0.21	1330.0	1138.0	1037.0	944.0	825.0	737.0	14.6	886.4	31.1
HA30206	1600.8	1551.5	320.0	0.6	3.0	0.20	1527.0	1373.0	1280.0	1194.0	1082.0	998.0	9.2	1180.3	22.3
HA30207	1493.4	1395.4	433.7	0.5	3.0	0.29	1380.0	1140.0	1004.0	874.0	698.0	557.0	10.4	843.4	23.5

Tabla C.225. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Veracruz.

Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de					retorno (Tr)	Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _a (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp mín(mm)	Hp mín
HA30209	2958.8	2999.2	624.5	-0.4	4.5	0.21	2990.0	2518.0	2179.0	1819.0	1306.0	893.0	23.6	1447.1	39.1
HA30211	960.7	966.3	224.1	-0.2	3.8	0.23	983.0	801.0	681.0	566.0	416.0	303.0	16.5	497.4	30.4
HA30212	750.7	730.7	188.1	0.2	2.9	0.25	726.0	587.0	506.0	427.0	320.0	234.0	12.4	405.4	24.2
HA30213	1216.1	1183.3	419.2	0.8	5.6	0.34	1141.0	886.0	777.0	481.0	102.0	0.0	9.2	672.2	12.7
HA30214	2699.0	2721.1	503.3	0.3	3.7	0.19	2328.6	1883.7	1589.1	1306.5	940.7	666.6	4.2	1747.3	6.9
HA30219	2564.9	2611.9	486.9	-0.7	4.6	0.19	2612.0	2210.0	1966.0	1738.0	1446.0	1228.0	20.1	1569.0	33.9
HA30221	1297.0	1231.1	468.8	3.1	16.5	0.36	1233.0	1041.0	914.0	788.0	612.0	459.0	4.6	823.8	16.4
HA30222	1421.6	1432.0	352.2	0.9	4.8	0.25	1382.0	1191.0	1069.0	953.0	804.0	692.0	6.7	1025.7	12.9
HA30223	2429.7	2351.3	597.2	0.1	2.6	0.25	2343.0	1919.0	1705.0	1509.0	1260.0	1075.0	11.9	1457.6	24.1
HA30228	1363.1	1313.8	280.6	0.4	3.9	0.21	1326.0	1145.0	1030.0	912.0	740.0	594.0	17.9	816.0	33.9
HA30229	1459.1	1436.5	317.9	0.9	5.1	0.22	1451.0	1212.0	1048.0	881.0	641.0	436.0	7.4	978.7	13.4
HA30241	1046.7	995.2	247.3	0.4	3.3	0.24	995.0	841.0	757.0	673.0	554.0	452.0	12.8	638.7	26.4
HA30245	1299.2	1307.2	349.0	1.2	7.3	0.27	1219.0	974.0	794.0	562.0	212.0	0.0	4.8	853.2	8.1
HA30261	1187.2	1070.8	405.2	0.6	3.0	0.34	1072.0	845.0	725.0	610.0	455.0	332.0	7.0	659.5	14.8
HA30264	1577.6	1584.2	493.0	0.5	3.8	0.31	1491.0	1121.0	1000.0	875.0	676.0	481.0	5.5	956.2	12.9
HA30266	754.8	722.0	194.7	1.0	4.6	0.26	683.0	583.0	525.0	439.0	271.0	136.0	6.5	490.5	13.8
HA30267	1528.4	1498.1	309.3	0.7	3.6	0.20	1473.0	1298.0	1191.0	1090.0	960.0	864.0	11.1	1067.0	23.5
HA30268	991.4	978.8	232.3	-0.4	3.4	0.23	972.0	803.0	713.0	629.0	522.0	442.0	11.6	633.5	19.2
HA30269	1370.5	1257.2	293.7	1.1	5.3	0.21	1209.0	1130.0	1086.0	1027.0	863.0	690.0	3.2	1068.2	12.7
HA30295	1172.3	1116.1	332.8	0.2	3.9	0.28	1107.0	972.0	885.0	779.0	583.0	401.0	35.5	539.0	59.5
HA30296	2076.5	2078.0	586.3	0.4	3.6	0.28	2005.0	1581.0	1467.0	1335.0	1068.0	782.0	15.2	1190.0	35.0
HA30297	1052.0	1019.0	330.2	0.5	4.7	0.31	1018.0	829.0	709.0	596.0	449.0	340.0	17.1	497.0	37.0
HA30306	1552.2	1429.9	551.9	2.3	11.3	0.36	1466.0	1174.0	961.0	714.0	214.0	0.0	3.8	1049.6	7.5
HA30307	1169.9	1179.6	285.4	0.3	3.2	0.24	1204.0	888.0	876.0	810.0	608.0	457.0	12.4	784.1	22.5
HA30327	2617.6	2469.3	689.0	0.7	4.5	0.26	2477.0	2155.0	1956.0	1766.0	1523.0	1341.0	26.3	1445.8	67.1
HA30329	916.1	733.0	425.5	1.6	6.8	0.46	753.0	644.0	575.0	508.0	412.0	326.0	6.7	472.1	28.5
HA30331	1292.5	1276.6	363.4	-0.2	4.2	0.28	1285.0	1045.0	897.0	758.0	578.0	444.0	25.0	589.4	47.1
HA30332	1284.5	1225.2	307.2	1.2	4.7	0.24	1202.0	1059.0	969.0	881.0	760.0	663.0	4.0	994.9	8.2
HA30337	1682.6	1580.1	269.0	1.3	6.7	0.16	1568.0	1473.0	1411.0	1329.0	1138.0	954.0	3.9	1403.2	10.9
HA30338	1326.0	1271.8	274.9	0.9	4.3	0.21	1239.0	1087.0	1002.0	916.0	787.0	672.0	4.1	1028.0	8.1
HA30339	858.1	826.7	193.7	0.1	4.2	0.23	836.0	718.0	646.0	579.0	492.0	428.0	15.3	537.9	30.7

Tabla C.225. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Veracruz.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA30001	1376.7	1495.4	1614.0	1732.7	1851.3	1969.9	2088.6	2207.2	2325.9	2444.5	4.7	4.7	19.0	9.5	23.8	9.5	14.2	0.0	4.7	
HA30002	600.6	709.0	817.3	925.7	1034.0	1142.3	1250.7	1359.0	1467.4	1575.7	3.7	1.1	7.4	7.4	33.3	14.8	7.4	7.4	0.0	7.4
HA30003	566.1	639.5	712.9	786.3	859.7	933.2	1006.6	1080.0	1153.4	1226.8	6.8	0.3	3.4	17.2	13.7	27.5	0.0	3.4	6.8	10.3
HA30004	340.2	394.8	449.4	504.1	558.7	613.4	668.0	722.7	777.3	832.0	10.0	5.0	0.0	15.0	10.0	20.0	15.0	5.0	15.0	5.0
HA30005	1324.8	1521.2	1717.5	1913.9	2110.2	2306.5	2502.9	2699.2	2895.6	3091.9	6.6	0.0	0.0	6.6	26.6	0.0	26.6	13.3	13.3	6.6
HA30006	673.0	807.4	941.9	1076.3	1210.8	1345.2	1479.7	1614.1	1748.6	1883.0	4.0	3.0	12.0	12.0	16.0	16.0	16.0	0.0	4.0	4.0
HA30007	498.8	609.5	720.3	831.0	941.8	1052.5	1163.3	1274.0	1384.8	1495.5	4.7	9.5	9.5	19.0	9.5	23.8	9.5	4.7	4.7	4.7
HA30008	502.3	691.9	881.4	1071.0	1260.5	1450.0	1639.6	1829.1	2018.7	2208.2	3.4	0.0	6.8	10.3	20.6	27.5	13.7	10.3	3.4	3.4
HA30009	1035.1	1207.2	1379.4	1551.5	1723.7	1895.9	2068.0	2240.2	2412.3	2584.5	5.2	5.2	15.7	5.2	5.2	15.7	21.0	15.7	5.2	5.2
HA30011	1444.8	1716.5	1988.3	2260.1	2531.9	2803.6	3075.4	3347.2	3618.9	3890.7	4.0	16.0	20.0	8.0	8.0	20.0	12.0	4.0	4.0	4.0
HA30012	950.7	1142.4	1334.2	1525.9	1717.6	1909.3	2101.0	2292.8	2484.5	2676.2	3.3	3.3	3.3	16.6	23.3	10.0	10.0	23.3	3.3	3.3
HA30013	1192.0	1317.7	1443.5	1569.3	1695.1	1820.8	1946.6	2072.4	2198.1	2323.9	8.3	20.8	12.5	20.8	4.1	12.5	0.0	12.5	0.0	8.3
HA30014	1099.2	1195.5	1291.9	1388.2	1484.5	1580.9	1677.2	1773.6	1869.9	1966.3	5.0	5.0	5.0	20.0	10.0	15.0	20.0	5.0	10.0	5.0
HA30015	876.6	976.6	1076.7	1176.7	1276.8	1376.8	1476.9	1576.9	1677.0	1777.0	3.8	3.8	3.8	19.2	15.3	15.3	11.5	11.5	3.8	11.5
HA30016	795.2	921.2	1047.1	1173.1	1299.1	1425.1	1551.1	1677.0	1803.0	1929.0	4.5	4.5	9.0	27.2	9.0	18.1	9.0	13.6	0.0	4.5
HA30018	909.6	1009.4	1109.3	1209.1	1309.0	1408.8	1508.7	1608.5	1708.3	1808.2	10.7	17.8	10.7	28.5	14.2	0.0	3.5	10.7	0.0	3.5
HA30021	603.0	674.5	746.0	817.5	889.0	960.5	1032.0	1103.5	1175.0	1246.5	4.3	13.0	13.0	0.0	13.0	26.0	17.3	0.0	4.3	8.6
HA30022	1808.2	2259.6	2711.1	3162.5	3613.9	4065.3	4516.7	4968.2	5419.6	5871.0	50.0	33.3	6.6	3.3	3.3	0.0	0.0	0.0	0.0	3.3
HA30024	439.5	518.8	598.0	677.3	756.5	835.7	915.0	994.2	1073.5	1152.7	15.7	0.0	5.2	5.2	15.7	10.5	21.0	5.2	5.2	15.7
HA30025	1523.6	1667.5	1811.4	1955.3	2099.2	2243.1	2387.0	2530.9	2674.8	2818.7	16.0	16.0	16.0	8.0	16.0	16.0	4.0	0.0	4.0	4.0
HA30026	1170.0	1272.1	1374.3	1476.4	1578.5	1680.6	1782.7	1884.9	1987.0	2089.1	18.5	7.4	3.7	7.4	7.4	18.5	3.7	7.4	22.2	3.7
HA30029	1161.3	1342.8	1524.3	1705.8	1887.3	2068.7	2250.2	2431.7	2613.2	2794.7	4.1	4.1	4.1	12.5	16.6	16.6	25.0	8.3	0.0	8.3
HA30031	802.7	1073.9	1345.1	1616.3	1887.5	2158.7	2429.9	2701.1	2972.3	3243.5	4.3	4.3	52.1	26.0	0.0	4.3	0.0	0.0	0.0	8.6
HA30032	1210.9	1344.2	1477.6	1610.9	1744.3	1877.6	2010.9	2144.3	2277.6	2411.0	3.3	0.0	0.0	10.0	16.6	16.6	20.0	16.6	6.6	10.0
HA30033	3542.3	3867.7	4193.1	4518.5	4843.9	5169.2	5494.6	5820.0	6145.4	6470.8	3.3	6.6	13.3	20.0	16.6	20.0	6.6	10.0	0.0	3.3
HA30034	1989.1	2196.7	2404.2	2611.8	2819.4	3027.0	3234.6	3442.1	3649.7	3857.3	13.3	16.6	16.6	23.3	16.6	6.6	3.3	0.0	0.0	3.3
HA30035	963.6	1103.3	1242.9	1382.6	1522.3	1662.0	1801.7	1941.3	2081.0	2220.7	4.0	16.0	32.0	16.0	20.0	4.0	0.0	4.0	0.0	4.0
HA30037	1262.7	1491.4	1720.1	1948.8	2177.5	2406.2	2634.9	2863.6	3092.3	3321.0	7.6	3.8	7.6	0.0	0.0	3.8	26.9	11.5	19.2	19.2
HA30039	556.0	669.1	782.3	895.5	1008.7	1121.8	1235.0	1348.2	1461.3	1574.5	4.1	4.1	4.1	16.6	16.6	16.6	20.8	4.1	8.3	4.1
HA30040	1216.5	1367.5	1518.5	1669.5	1820.5	1971.5	2122.5	2273.5	2424.5	2575.5	4.7	19.0	14.2	23.8	14.2	9.5	9.5	0.0	0.0	4.7
HA30041	1438.3	1741.1	2043.8	2346.6	2649.3	2952.0	3254.8	3557.5	3860.3	4163.0	31.0	24.1	17.2	13.7	3.4	0.0	3.4	0.0	0.0	6.8
HA30042	1525.3	1617.3	1709.3	1801.3	1893.3	1985.3	2077.3	2169.3	2261.3	2353.3	8.3	4.1	8.3	12.5	33.3	8.3	8.3	0.0	8.3	8.3
HA30043	1441.4	1650.8	1860.1	2069.5	2278.8	2488.1	2697.5	2906.8	3116.2	3325.5	27.2	9.0	22.7	4.5	13.6	13.6	4.5	0.0	0.0	4.5

Tabla C.226. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Veracruz.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA30044	1061.0	1133.5	1206.0	1278.5	1351.0	1423.5	1496.0	1568.5	1641.0	1713.5	5.0	0.0	20.0	20.0	15.0	10.0	5.0	10.0	5.0	10.0
HA30045	741.5	839.2	937.0	1034.7	1132.4	1230.1	1327.8	1425.6	1523.3	1621.0	15.0	5.0	10.0	5.0	15.0	15.0	5.0	15.0	5.0	10.0
HA30046	879.8	984.2	1088.6	1193.0	1297.4	1401.7	1506.1	1610.5	1714.9	1819.3	16.6	12.5	8.3	16.6	8.3	4.1	4.1	16.6	4.1	8.3
HA30047	655.7	751.6	847.6	943.6	1039.6	1135.5	1231.5	1327.5	1423.4	1519.4	3.7	7.4	3.7	7.4	11.1	22.2	14.8	7.4	7.4	14.8
HA30048	1046.7	1159.4	1272.2	1384.9	1497.6	1610.3	1723.0	1835.8	1948.5	2061.2	13.7	13.7	13.7	27.5	6.8	3.4	3.4	3.4	3.4	10.3
HA30049	311.5	458.3	605.0	751.8	898.6	1045.4	1192.2	1338.9	1485.7	1632.5	4.0	0.0	0.0	12.0	24.0	24.0	20.0	4.0	0.0	12.0
HA30050	750.7	852.7	954.6	1056.5	1158.5	1260.4	1362.3	1464.2	1566.2	1668.1	6.8	0.0	6.8	20.6	27.5	10.3	6.8	10.3	0.0	10.3
HA30051	733.8	834.6	935.5	1036.4	1137.3	1238.1	1339.0	1439.9	1540.7	1641.6	17.6	5.8	29.4	17.6	11.7	5.8	0.0	0.0	5.8	5.8
HA30054	1021.9	1224.4	1427.0	1629.6	1832.2	2034.7	2237.3	2439.9	2642.4	2845.0	3.4	6.8	31.0	17.2	20.6	10.3	6.8	0.0	0.0	3.4
HA30055	943.1	1040.8	1138.4	1236.0	1333.7	1431.3	1528.9	1626.5	1724.2	1821.8	3.3	6.6	13.3	26.6	20.0	6.6	0.0	13.3	3.3	6.6
HA30056	1307.6	1455.8	1604.1	1752.3	1900.5	2048.7	2196.9	2345.2	2493.4	2641.6	10.3	10.7	34.4	17.2	3.4	6.8	3.4	6.8	0.0	3.4
HA30058	935.9	1093.1	1250.3	1407.5	1564.7	1721.9	1879.1	2036.3	2193.5	2350.7	6.6	6.6	20.0	23.3	20.0	10.0	6.6	3.3	0.0	3.3
HA30059	593.4	670.1	746.7	823.4	900.0	976.6	1053.3	1129.9	1206.6	1283.2	16.6	0.0	8.3	8.3	16.6	16.6	8.3	0.0	0.0	25.0
HA30060	556.7	686.8	816.9	947.1	1077.3	1207.4	1337.6	1467.7	1597.9	1728.0	3.4	3.4	6.8	34.4	20.6	17.2	10.3	0.0	0.0	3.4
HA30061	1024.2	1175.1	1325.9	1476.8	1627.7	1778.6	1929.5	2080.3	2231.2	2382.1	4.0	0.0	0.0	0.0	16.0	20.0	24.0	24.0	4.0	8.0
HA30062	1391.8	1522.5	1653.1	1783.7	1914.4	2045.0	2175.6	2306.2	2436.9	2567.5	20.0	0.0	10.0	0.0	10.0	10.0	10.0	10.0	10.0	10.0
HA30064	1222.6	1429.0	1635.4	1841.8	2048.3	2254.7	2461.1	2667.5	2873.9	3080.3	4.3	0.0	4.3	0.0	0.0	17.3	26.0	13.0	17.3	17.3
HA30065	1281.2	1353.4	1425.7	1498.0	1570.3	1642.5	1714.8	1787.1	1859.3	1931.6	15.0	5.0	15.0	0.0	5.0	10.0	15.0	15.0	10.0	10.0
HA30066	1239.4	1373.7	1508.1	1642.4	1776.8	1911.1	2045.4	2179.8	2314.1	2448.5	3.3	0.0	3.3	0.0	6.6	16.6	33.3	10.0	16.6	10.0
HA30067	1024.9	1107.2	1189.5	1271.8	1354.1	1436.3	1518.6	1600.9	1683.2	1765.5	10.3	3.4	10.3	10.3	13.7	6.8	10.3	13.7	6.8	13.7
HA30068	549.1	646.4	743.8	841.1	938.4	1035.7	1133.0	1230.4	1327.7	1425.0	7.4	11.1	0.0	11.1	18.5	25.9	3.7	11.1	7.4	3.7
HA30069	925.7	1011.9	1098.1	1184.3	1270.6	1356.8	1443.0	1529.2	1615.4	1701.6	15.0	5.0	5.0	10.0	5.0	15.0	10.0	0.0	5.0	30.0
HA30070	1342.8	1436.0	1529.3	1622.6	1715.9	1809.1	1902.4	1995.7	2088.9	2182.2	16.6	8.3	25.0	8.3	8.3	16.6	0.0	4.1	4.1	8.3
HA30071	1071.6	1216.2	1360.9	1505.5	1650.2	1794.9	1939.5	2084.2	2228.8	2373.5	12.5	16.6	25.0	12.5	16.6	0.0	8.3	0.0	4.1	4.1
HA30072	1251.2	1367.3	1483.4	1599.5	1715.6	1831.8	1947.9	2064.0	2180.1	2296.2	10.0	0.0	0.0	20.0	20.0	13.3	13.3	13.3	3.3	6.6
HA30074	1092.4	1235.8	1379.2	1522.6	1666.0	1809.4	1952.8	2096.2	2239.6	2383.0	6.6	0.0	20.0	3.3	16.6	26.6	6.6	13.3	3.3	3.3
HA30076	837.6	929.3	1021.1	1112.8	1204.6	1296.3	1388.1	1479.8	1571.6	1663.3	13.3	3.3	30.0	6.6	30.0	6.6	3.3	0.0	3.3	3.3
HA30077	1550.3	1662.1	1774.0	1885.8	1997.7	2109.6	2221.4	2333.3	2445.1	2557.0	10.3	0.0	24.1	13.7	27.5	6.8	10.3	0.0	3.4	3.4
HA30079	937.8	1074.8	1211.7	1348.6	1485.6	1622.5	1759.4	1896.3	2033.3	2170.2	3.3	3.3	13.3	20.0	33.3	6.6	3.3	10.0	3.3	3.3
HA30080	1497.3	1554.5	1611.8	1669.0	1726.3	1783.5	1840.8	1898.0	1955.3	2012.5	8.3	8.3	8.3	16.6	0.0	8.3	0.0	0.0	16.6	33.3
HA30081	1262.7	1444.2	1625.8	1807.3	1988.9	2170.4	2352.0	2533.5	2715.1	2896.6	4.1	8.3	12.5	29.1	4.1	12.5	4.1	16.6	4.1	4.1
HA30082	1037.1	1276.6	1516.2	1755.7	1995.3	2234.8	2474.4	2713.9	2953.5	3193.0	4.1	0.0	29.1	20.8	20.8	12.5	8.3	0.0	0.0	4.1
HA30083	1207.0	1289.0	1371.0	1453.0	1535.0	1617.0	1699.0	1781.0	1863.0	1945.0	5.0	25.0	5.0	20.0	10.0	10.0	15.0	0.0	5.0	5.0

Tabla C.226. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Veracruz.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA30085	1242.0	1342.8	1443.6	1544.4	1645.3	1746.1	1846.9	1947.7	2048.5	2149.3	7.4	7.4	22.2	11.1	7.4	7.4	11.1	14.8	3.7	7.4
HA30086	798.5	874.8	951.1	1027.4	1103.8	1180.1	1256.4	1332.7	1409.0	1485.3	13.3	0.0	0.0	6.6	13.3	13.3	13.3	13.3	6.6	20.0
HA30087	875.0	974.7	1074.4	1174.1	1273.8	1373.5	1473.2	1572.9	1672.6	1772.3	3.4	3.4	10.3	20.6	10.3	13.7	10.3	17.2	6.8	3.4
HA30088	769.9	959.1	1148.4	1337.7	1527.0	1716.2	1905.5	2094.8	2284.0	2473.3	45.8	4.3	20.8	4.1	8.3	4.1	4.1	0.0	0.0	4.1
HA30089	939.1	1074.2	1209.4	1344.5	1479.7	1614.9	1750.0	1885.2	2020.3	2155.5	10.0	6.6	13.3	3.3	33.3	13.3	3.3	10.0	0.0	6.6
HA30090	893.8	1230.8	1567.9	1904.9	2242.0	2579.0	2916.1	3253.1	3590.2	3927.2	3.5	3.5	0.0	7.1	3.5	28.5	28.5	17.8	0.0	7.1
HA30091	978.4	1143.2	1307.9	1472.7	1637.4	1802.1	1966.9	2131.6	2296.4	2461.1	4.5	22.7	4.5	27.2	22.7	9.0	0.0	0.0	0.0	9.0
HA30093	601.1	699.6	798.1	896.7	995.2	1093.8	1192.4	1290.9	1389.5	1488.0	3.4	17.2	13.7	17.2	10.3	17.2	3.4	3.4	10.3	3.4
HA30094	427.3	554.7	682.1	809.5	936.9	1064.3	1191.7	1319.1	1446.5	1573.9	6.8	0.0	3.4	3.4	3.4	13.7	17.2	20.6	17.2	13.7
HA30096	337.0	506.5	676.0	845.5	1015.0	1184.5	1354.0	1523.5	1693.0	1862.5	6.6	0.0	0.0	0.0	13.3	6.6	33.3	20.0	0.0	20.0
HA30098	847.2	988.2	1129.3	1270.3	1411.3	1552.3	1693.3	1834.4	1975.4	2116.4	8.3	4.1	16.6	16.6	8.3	16.6	0.0	12.5	0.0	16.6
HA30100	337.8	443.0	548.3	653.5	758.8	864.0	969.3	1074.5	1179.8	1285.0	6.2	12.5	6.2	6.2	31.2	12.5	12.5	6.2	0.0	6.2
HA30101	476.9	613.8	750.7	887.6	1024.6	1161.5	1298.4	1435.3	1572.2	1709.1	10.7	0.0	3.5	10.7	28.5	21.4	10.7	3.5	3.5	7.1
HA30102	649.1	829.8	1010.5	1191.2	1371.9	1552.5	1733.2	1913.9	2094.6	2275.3	3.4	0.0	6.8	3.4	20.6	20.6	27.5	10.3	3.4	3.4
HA30103	541.5	667.4	793.2	919.1	1044.9	1170.7	1296.6	1422.4	1548.3	1674.1	4.0	8.0	8.0	24.0	16.0	8.0	16.0	8.0	0.0	8.0
HA30104	669.9	792.8	915.8	1038.7	1161.7	1284.7	1407.6	1530.6	1653.5	1776.5	3.7	3.7	14.8	29.6	22.2	7.4	3.7	7.4	3.7	3.7
HA30105	668.8	855.4	1041.9	1228.5	1415.1	1601.7	1788.3	1974.8	2161.4	2348.0	4.1	4.1	8.3	12.5	25.0	20.8	4.1	12.5	0.0	8.3
HA30106	952.6	1082.9	1213.3	1343.6	1474.0	1604.4	1734.7	1865.1	1995.4	2125.8	3.3	10.0	3.3	36.6	13.3	6.6	10.0	10.0	0.0	6.6
HA30108	1413.8	1620.6	1827.4	2034.2	2241.0	2447.8	2654.6	2861.4	3068.2	3275.0	22.2	7.4	37.0	18.5	0.0	7.4	3.7	0.0	0.0	3.7
HA30109	709.6	875.7	1041.7	1207.8	1373.9	1540.0	1706.1	1872.1	2038.2	2204.3	10.5	0.0	15.7	21.0	26.3	10.5	5.2	5.2	0.0	5.2
HA30110	1039.7	1176.5	1313.3	1450.1	1587.0	1723.8	1860.6	1997.4	2134.2	2271.0	10.0	10.0	15.0	20.0	25.0	10.0	0.0	5.0	0.0	5.0
HA30111	2103.7	2342.3	2580.9	2819.5	3058.1	3296.6	3535.2	3773.8	4012.4	4251.0	15.0	15.0	30.0	10.0	10.0	15.0	0.0	0.0	0.0	5.0
HA30112	636.8	769.9	903.0	1036.1	1169.2	1302.2	1435.3	1568.4	1701.5	1834.6	10.3	3.4	31.0	13.7	24.1	10.3	3.4	0.0	0.0	3.4
HA30113	1320.9	1600.7	1880.6	2160.4	2440.3	2720.1	2999.9	3279.8	3559.6	3839.5	4.3	8.6	8.6	8.6	8.6	17.3	26.0	8.6	4.3	4.3
HA30114	671.3	838.3	1005.3	1172.3	1339.4	1506.4	1673.4	1840.4	2007.4	2174.4	3.4	3.4	3.4	6.8	6.8	13.7	27.5	17.2	10.3	6.8
HA30115	1486.3	1770.5	2054.8	2339.0	2623.3	2907.5	3191.8	3476.0	3760.3	4044.5	3.3	0.0	3.3	20.0	40.0	23.3	3.3	3.3	0.0	3.3
HA30116	780.8	864.7	948.5	1032.4	1116.2	1200.0	1283.9	1367.7	1451.6	1535.4	9.0	9.0	9.0	18.1	9.0	22.7	0.0	0.0	4.5	18.1
HA30117	670.2	866.8	1063.5	1260.1	1456.8	1653.5	1850.1	2046.8	2243.4	2440.1	4.1	0.0	0.0	8.3	29.1	25.0	16.6	12.5	0.0	4.1
HA30118	1149.0	1272.3	1395.6	1518.9	1642.2	1765.5	1888.8	2012.1	2135.4	2258.7	12.5	8.3	8.3	12.5	4.1	8.3	8.3	12.5	16.6	8.3
HA30119	2000.9	2119.3	2237.7	2356.1	2474.5	2592.9	2711.3	2829.7	2948.1	3066.5	15.0	5.0	5.0	5.0	20.0	5.0	10.0	10.0	15.0	10.0
HA30121	1130.2	1347.4	1564.6	1781.8	1999.0	2216.2	2433.4	2650.6	2867.8	3085.0	3.3	3.3	16.6	20.0	16.6	16.6	13.3	6.6	0.0	3.3
HA30123	954.1	1054.7	1155.4	1256.0	1356.7	1457.4	1558.0	1658.7	1759.3	1860.0	4.3	21.7	4.3	17.3	13.0	8.6	13.0	4.3	4.3	8.6
HA30124	568.5	648.0	727.5	807.0	886.5	966.0	1045.5	1125.0	1204.5	1284.0	7.1	0.0	7.1	10.7	28.5	17.8	3.5	3.5	10.7	10.7

Tabla C.226. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Veracruz.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA30125	605.6	823.4	1041.3	1259.1	1477.0	1694.9	1912.7	2130.6	2348.4	2566.3	10.0	3.3	46.6	23.3	3.3	6.6	0.0	0.0	3.3	3.3
HA30128	275.1	317.7	360.4	403.0	445.7	488.4	531.0	573.7	616.3	659.0	8.0	12.0	8.0	24.0	12.0	4.0	8.0	4.0	8.0	12.0
HA30129	784.9	916.0	1047.1	1178.2	1309.3	1440.4	1571.5	1702.6	1833.7	1964.8	8.6	0.0	13.0	26.0	13.0	8.6	8.6	13.0	4.3	4.3
HA30130	872.5	1111.1	1349.7	1588.3	1827.0	2065.6	2304.2	2542.8	2781.4	3020.0	13.0	17.3	26.0	26.0	4.3	8.6	0.0	0.0	0.0	4.3
HA30131	1144.0	1336.9	1529.9	1722.8	1915.8	2108.7	2301.7	2494.6	2687.6	2880.5	3.3	6.6	3.3	23.3	16.6	10.0	13.3	13.3	3.3	6.6
HA30132	762.4	869.4	976.5	1083.5	1190.5	1297.5	1404.5	1511.6	1618.6	1725.6	10.3	17.2	17.2	17.2	6.8	13.7	6.8	3.4	3.4	3.4
HA30133	641.8	797.0	952.3	1107.5	1262.8	1418.1	1573.3	1728.6	1883.8	2039.1	6.2	0.0	6.2	12.5	12.5	12.5	25.0	12.5	0.0	12.5
HA30134	1373.7	1629.4	1885.1	2140.8	2396.5	2652.2	2907.9	3163.6	3419.3	3675.0	3.3	0.0	13.3	16.6	13.3	16.6	26.6	6.6	0.0	3.3
HA30136	671.2	823.2	975.1	1127.0	1279.0	1430.9	1582.8	1734.7	1886.7	2038.6	14.2	7.1	3.5	14.2	17.8	25.0	3.5	7.1	3.5	3.5
HA30137	843.4	961.8	1080.3	1198.8	1317.3	1435.7	1554.2	1672.7	1791.1	1909.6	3.7	3.7	14.8	7.4	29.6	3.7	7.4	11.1	11.1	7.4
HA30141	521.5	632.4	743.4	854.3	965.3	1076.2	1187.2	1298.1	1409.1	1520.0	6.6	10.0	6.6	16.6	23.3	10.0	6.6	3.3	13.3	3.3
HA30142	702.8	915.6	1128.4	1341.2	1554.0	1766.7	1979.5	2192.3	2405.1	2617.9	8.3	0.0	8.3	20.8	16.6	20.8	12.5	8.3	0.0	4.1
HA30143	856.0	989.2	1122.3	1255.5	1388.7	1521.9	1655.1	1788.2	1921.4	2054.6	4.1	8.3	20.8	4.1	25.0	20.8	4.1	0.0	0.0	12.5
HA30144	727.8	860.4	993.1	1125.8	1258.5	1391.1	1523.8	1656.5	1789.1	1921.8	13.3	6.6	13.3	20.0	13.3	6.6	13.3	0.0	0.0	13.3
HA30146	1085.6	1276.2	1466.8	1657.4	1848.0	2038.7	2229.3	2419.9	2610.5	2801.1	3.4	3.4	6.8	20.6	6.8	17.2	13.7	17.2	6.8	3.4
HA30148	622.8	728.7	834.7	940.7	1046.7	1152.6	1258.6	1364.6	1470.5	1576.5	6.2	0.0	0.0	0.0	0.0	6.2	25.0	18.7	37.5	6.2
HA30149	1110.0	1252.3	1394.5	1536.8	1679.1	1821.4	1963.7	2105.9	2248.2	2390.5	10.0	5.0	10.0	15.0	10.0	10.0	20.0	15.0	0.0	5.0
HA30150	764.8	960.9	1157.1	1353.2	1549.4	1745.6	1941.7	2137.9	2334.0	2530.2	10.0	5.0	15.0	20.0	25.0	5.0	0.0	10.0	5.0	5.0
HA30151	1348.1	1506.7	1665.4	1824.0	1982.6	2141.2	2299.8	2458.5	2617.1	2775.7	4.1	4.1	8.3	4.1	20.8	25.0	12.5	12.5	4.1	4.1
HA30152	1154.8	1362.0	1569.3	1776.5	1983.8	2191.0	2398.3	2605.5	2812.8	3020.0	21.7	30.4	26.0	13.0	0.0	4.3	0.0	0.0	0.0	4.3
HA30153	524.2	698.6	873.0	1047.4	1221.9	1396.3	1570.7	1745.1	1919.5	2093.9	3.8	0.0	0.0	0.0	7.6	30.7	23.0	15.3	15.3	3.8
HA30155	1031.0	1257.7	1484.3	1711.0	1937.6	2164.2	2390.9	2617.5	2844.2	3070.8	4.7	4.7	4.7	4.7	28.5	23.8	14.2	9.5	0.0	4.7
HA30156	1905.6	2016.3	2126.9	2237.5	2348.2	2458.8	2569.4	2680.0	2790.7	2901.3	27.2	9.0	27.2	9.0	9.0	9.0	0.0	0.0	0.0	9.0
HA30157	499.7	622.3	744.8	867.4	989.9	1112.4	1235.0	1357.5	1480.1	1602.6	7.4	7.4	7.4	11.1	11.1	14.8	18.5	7.4	3.7	11.1
HA30158	771.1	899.2	1027.4	1155.6	1283.8	1411.9	1540.1	1668.3	1796.4	1924.6	17.2	27.5	27.5	10.3	10.3	3.4	0.0	0.0	0.0	3.4
HA30159	1057.5	1179.8	1302.2	1424.5	1546.9	1669.3	1791.6	1914.0	2036.3	2158.7	5.8	17.5	17.6	11.7	5.8	11.7	11.7	0.0	11.7	5.8
HA30160	569.7	669.2	768.6	868.1	967.6	1067.1	1166.6	1266.0	1365.5	1465.0	4.3	8.6	13.0	13.0	13.0	13.0	13.0	8.6	4.3	8.6
HA30162	1452.7	1714.4	1976.1	2237.8	2499.5	2761.2	3022.9	3284.6	3546.3	3808.0	4.1	8.3	12.5	16.6	12.5	20.8	8.3	4.1	4.1	8.3
HA30163	697.6	779.6	861.6	943.7	1025.8	1107.8	1189.9	1271.9	1354.0	1436.0	13.3	6.6	6.6	16.6	6.6	16.6	16.6	3.3	3.3	10.0
HA30164	1792.5	1894.4	1996.2	2098.0	2199.9	2301.7	2403.5	2505.3	2607.2	2709.0	6.2	12.5	12.5	6.2	6.2	25.0	12.5	0.0	12.5	6.2
HA30165	561.1	664.2	767.4	870.6	973.7	1076.9	1180.1	1283.3	1386.4	1489.6	8.0	4.0	8.0	8.0	20.0	12.0	8.0	8.0	20.0	4.0
HA30166	713.2	969.5	1225.8	1482.1	1738.5	1994.8	2251.1	2507.4	2763.7	3020.0	4.3	34.7	21.7	21.7	13.0	0.0	0.0	0.0	0.0	4.3
HA30167	749.2	975.8	1202.5	1429.1	1655.8	1882.4	2109.1	2335.7	2562.4	2789.0	3.4	0.0	3.4	3.4	6.8	0.0	10.3	24.1	27.5	20.6

Tabla C.226. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Veracruz.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA30168	1164.2	1326.9	1489.6	1652.3	1815.0	1977.7	2140.4	2303.1	2465.8	2628.5	14.2	7.1	7.1	28.5	10.7	7.1	10.7	7.1	3.5	3.5
HA30169	949.5	1068.8	1188.1	1307.4	1426.7	1546.0	1665.3	1784.6	1903.9	2023.2	12.5	18.7	25.0	12.5	12.5	6.2	0.0	6.2	0.0	6.2
HA30170	2178.2	2456.6	2734.9	3013.2	3291.6	3569.9	3848.2	4126.5	4404.9	4683.2	4.1	0.0	8.3	4.1	0.0	16.6	12.5	20.8	8.3	25.0
HA30171	802.4	928.8	1055.2	1181.6	1308.0	1434.4	1560.8	1687.2	1813.6	1940.0	8.3	8.3	8.3	0.0	33.3	16.6	8.3	0.0	8.3	8.3
HA30173	1241.6	1470.5	1699.5	1928.5	2157.5	2386.4	2615.4	2844.4	3073.3	3302.3	3.3	3.3	10.0	20.0	10.0	30.0	6.6	6.6	6.6	3.3
HA30174	866.6	1019.1	1171.6	1324.1	1476.6	1629.0	1781.5	1934.0	2086.5	2239.0	10.0	0.0	5.0	5.0	10.0	20.0	20.0	20.0	0.0	10.0
HA30175	419.7	642.8	865.9	1089.1	1312.3	1535.4	1758.6	1981.7	2204.9	2428.0	4.0	0.0	0.0	8.0	4.0	44.0	24.0	8.0	4.0	4.0
HA30175	419.7	642.8	865.9	1089.1	1312.3	1535.4	1758.6	1981.7	2204.9	2428.0	4.0	0.0	0.0	8.0	4.0	44.0	24.0	8.0	4.0	4.0
HA30176	939.8	1171.0	1402.1	1633.2	1864.4	2095.5	2326.6	2557.7	2788.9	3020.0	43.4	21.7	21.7	4.3	4.3	0.0	0.0	0.0	0.0	4.3
HA30177	891.0	1071.9	1252.9	1433.8	1614.8	1795.8	1976.7	2157.7	2338.6	2519.6	7.4	0.0	11.1	11.1	14.8	11.1	14.8	14.8	7.4	7.4
HA30178	242.4	299.0	355.5	412.0	468.6	525.1	581.6	638.1	694.7	751.2	26.0	4.3	21.7	8.6	8.6	13.0	4.3	4.3	0.0	8.6
HA30179	974.9	1188.3	1401.7	1615.1	1828.6	2042.0	2255.4	2468.8	2682.2	2895.6	3.3	0.0	0.0	3.3	16.6	20.0	40.0	6.6	6.6	3.3
HA30180	854.5	1082.5	1310.5	1538.5	1766.6	1994.6	2222.6	2450.6	2678.6	2906.6	4.1	12.5	20.8	33.3	8.3	12.5	4.1	0.0	0.0	4.1
HA30182	1268.7	1536.2	1803.6	2071.1	2338.6	2606.1	2873.6	3141.0	3408.5	3676.0	50.0	16.6	13.3	3.3	6.6	3.3	3.3	0.0	0.0	3.3
HA30183	963.4	1172.9	1382.3	1591.8	1801.2	2010.6	2220.1	2429.5	2639.0	2848.4	4.1	0.0	12.5	20.8	29.1	12.5	8.3	0.0	8.3	4.1
HA30185	906.7	1014.7	1122.7	1230.7	1338.7	1446.6	1554.6	1662.6	1770.6	1878.6	8.3	0.0	12.5	12.5	16.6	8.3	16.6	8.3	8.3	4.1
HA30186	258.7	340.4	422.1	503.8	585.5	667.2	748.9	830.6	912.3	994.0	14.2	4.7	19.0	28.5	19.0	9.5	0.0	0.0	0.0	4.7
HA30187	1183.7	1333.3	1482.9	1632.5	1782.1	1931.8	2081.4	2231.0	2380.6	2530.2	3.4	0.0	10.3	6.8	20.8	13.7	20.6	17.2	3.4	3.4
HA30191	670.1	822.9	975.6	1128.4	1281.1	1433.8	1586.6	1739.3	1892.1	2044.8	3.4	6.8	10.3	10.3	6.8	24.1	13.7	6.8	6.8	10.3
HA30193	1021.4	1190.5	1359.5	1528.6	1697.7	1866.8	2035.9	2204.9	2374.0	2543.1	13.7	37.9	13.7	17.2	6.8	3.4	3.4	0.0	0.0	3.4
HA30194	670.1	822.9	975.6	1128.4	1281.1	1433.8	1586.6	1739.3	1892.1	2044.8	3.4	6.8	10.3	10.3	6.8	24.1	13.7	6.8	6.8	10.3
HA30195	399.4	516.8	634.3	751.8	869.3	986.7	1104.2	1221.7	1339.1	1456.6	11.1	7.4	0.0	3.7	22.2	33.3	7.4	0.0	7.4	7.4
HA30197	1676.1	2124.3	2572.6	3020.8	3469.1	3917.4	4365.6	4813.9	5262.1	5710.4	8.3	4.1	8.3	37.5	29.1	4.1	4.1	0.0	0.0	4.1
HA30198	188.1	248.2	308.4	368.5	428.6	488.7	548.8	609.0	669.1	729.2	8.0	8.0	16.0	12.0	20.0	16.0	16.0	0.0	0.0	4.0
HA30199	426.3	550.1	674.0	797.9	921.8	1045.6	1169.5	1293.4	1417.2	1541.1	3.5	7.1	0.0	7.1	7.1	25.0	14.2	17.8	7.1	10.7
HA30200	2223.2	2344.7	2466.3	2587.8	2709.4	2831.0	2952.5	3074.1	3195.6	3317.2	16.6	0.0	25.0	4.1	16.6	4.1	20.8	4.1	4.1	4.1
HA30201	1033.1	1189.0	1344.8	1500.7	1656.5	1812.3	1968.2	2124.0	2279.9	2435.7	4.3	4.3	8.6	17.3	4.3	26.0	13.0	13.0	4.3	4.3
HA30202	646.6	794.4	942.1	1089.9	1237.6	1385.3	1533.1	1680.8	1828.6	1976.3	5.0	10.0	0.0	15.0	25.0	5.0	20.0	10.0	0.0	10.0
HA30203	546.9	659.7	772.4	885.2	998.0	1110.8	1223.6	1336.3	1449.1	1561.9	8.3	16.6	8.3	0.0	8.3	33.3	8.3	0.0	8.3	8.3
HA30204	1122.4	1314.3	1506.3	1698.2	1890.1	2082.0	2273.9	2465.9	2657.8	2849.7	6.6	0.0	6.6	6.6	16.6	16.6	20.0	10.0	3.3	13.3
HA30205	985.3	1084.2	1183.1	1282.0	1380.9	1479.7	1578.6	1677.5	1776.4	1875.3	11.1	5.5	5.5	22.2	11.1	5.5	5.5	11.1	16.6	5.5
HA30206	1291.3	1402.2	1513.2	1624.2	1735.2	1846.1	1957.1	2068.1	2179.0	2290.0	20.0	8.0	16.0	24.0	4.0	0.0	8.0	12.0	0.0	8.0
HA30207	996.2	1149.0	1301.7	1454.5	1607.3	1760.1	1912.9	2065.6	2218.4	2371.2	12.5	8.3	16.6	20.8	4.1	8.3	12.5	4.1	4.1	8.3

Tabla C.226. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Veracruz.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA30209	1730.5	2013.9	2297.4	2580.8	2864.2	3147.6	3431.0	3714.5	3997.9	4281.3	8.0	0.0	0.0	20.0	12.0	24.0	20.0	8.0	4.0	4.0
HA30211	597.7	697.9	798.2	898.4	998.7	1099.0	1199.2	1299.5	1399.7	1500.0	10.0	0.0	13.3	13.3	16.6	16.6	23.3	3.3	0.0	3.3
HA30212	482.1	558.7	635.4	712.0	788.7	865.4	942.0	1018.7	1095.3	1172.0	3.3	16.6	6.6	20.0	13.3	10.0	13.3	6.6	6.6	3.3
HA30213	813.1	954.1	1095.0	1235.9	1376.9	1517.8	1658.7	1799.6	1940.6	2081.5	10.0	30.0	10.0	0.0	20.0	10.0	10.0	0.0	0.0	10.0
HA30214	1957.5	2167.7	2377.9	2588.1	2798.3	3008.5	3218.7	3428.9	3639.1	3849.3	8.6	4.3	13.0	17.3	13.0	17.3	13.0	4.3	4.3	4.3
HA30219	1735.8	1902.5	2069.3	2236.0	2402.8	2569.5	2736.3	2903.0	3069.8	3236.5	8.3	0.0	16.6	0.0	0.0	16.6	16.6	16.6	8.3	16.6
HA30221	1056.3	1288.8	1521.4	1753.9	1986.4	2218.9	2451.4	2684.0	2916.5	3149.0	27.2	31.8	31.8	4.5	0.0	0.0	0.0	0.0	0.0	4.5
HA30222	1138.9	1252.1	1365.2	1478.4	1591.6	1704.8	1818.0	1931.1	2044.3	2157.5	28.5	0.0	14.2	21.4	21.4	0.0	0.0	0.0	0.0	14.2
HA30223	1655.4	1853.2	2051.0	2248.8	2446.6	2644.4	2842.2	3040.0	3237.8	3435.6	10.0	10.0	15.0	5.0	15.0	5.0	5.0	20.0	5.0	10.0
HA30228	931.7	1047.3	1163.0	1278.6	1394.3	1510.0	1625.6	1741.3	1856.9	1972.6	4.7	4.7	19.0	9.5	19.0	14.2	14.2	4.7	0.0	9.5
HA30229	1120.3	1261.9	1403.4	1545.0	1686.6	1828.2	1969.8	2111.3	2252.9	2394.5	10.3	17.2	20.6	17.2	17.2	6.8	3.4	3.4	0.0	3.4
HA30241	727.4	816.0	904.7	993.4	1082.1	1170.7	1259.4	1348.1	1436.7	1525.4	11.1	0.0	22.2	16.6	5.5	11.1	16.6	0.0	11.1	5.5
HA30245	983.9	1114.6	1245.3	1376.0	1506.8	1637.5	1768.2	1898.9	2029.6	2160.3	16.6	8.3	25.0	0.0	41.6	0.0	0.0	0.0	0.0	8.3
HA30261	785.7	911.8	1038.0	1164.1	1290.3	1416.5	1542.6	1668.8	1794.9	1921.1	16.6	11.1	22.2	5.5	5.5	16.6	0.0	0.0	11.1	11.1
HA30264	1102.2	1248.1	1394.1	1540.1	1686.1	1832.0	1978.0	2124.0	2269.9	2415.9	18.1	18.1	9.0	0.0	9.0	27.2	0.0	0.0	0.0	18.1
HA30266	562.1	633.6	705.2	776.7	848.3	919.9	991.4	1063.0	1134.5	1206.1	11.7	23.5	11.7	11.7	17.6	5.8	5.8	0.0	5.8	5.8
HA30267	1176.4	1285.9	1395.3	1504.7	1614.2	1723.6	1833.0	1942.4	2051.9	2161.3	5.8	17.6	17.6	17.6	17.6	0.0	0.0	11.7	5.8	5.8
HA30268	694.5	755.4	816.4	877.3	938.3	999.2	1060.2	1121.1	1182.1	1243.0	20.0	0.0	10.0	0.0	0.0	30.0	0.0	0.0	0.0	40.0
HA30269	1159.2	1250.2	1341.2	1432.2	1523.2	1614.1	1705.1	1796.1	1887.1	1978.1	20.0	30.0	10.0	0.0	10.0	10.0	10.0	0.0	0.0	10.0
HA30295	664.9	790.7	916.6	1042.4	1168.3	1294.1	1420.0	1545.8	1671.7	1797.5	6.2	6.2	0.0	31.2	18.7	0.0	12.5	12.5	0.0	12.5
HA30296	1392.1	1594.2	1796.3	1998.4	2200.5	2402.6	2604.7	2806.8	3008.9	3211.0	7.6	13.3	23.0	0.0	15.3	7.6	7.6	15.3	0.0	7.6
HA30297	621.2	745.4	869.6	993.8	1118.0	1242.2	1366.4	1490.6	1614.8	1739.0	12.5	0.0	12.5	25.0	18.7	12.5	6.2	0.0	0.0	12.5
HA30306	1255.7	1461.7	1667.8	1873.8	2079.9	2286.0	2492.0	2698.1	2904.1	3110.2	25.0	25.0	25.0	16.6	0.0	0.0	0.0	0.0	0.0	8.3
HA30307	870.8	957.5	1044.2	1130.9	1217.6	1304.2	1390.9	1477.6	1564.3	1651.0	8.3	25.0	8.3	8.3	0.0	16.6	16.6	0.0	8.3	8.3
HA30327	1693.3	1940.8	2188.3	2435.8	2683.4	2930.9	3178.4	3425.9	3673.4	3920.9	7.1	0.0	14.2	28.5	21.4	7.1	0.0	7.1	0.0	14.2
HA30329	614.7	757.3	899.9	1042.5	1185.1	1327.6	1470.2	1612.8	1755.4	1898.0	9.0	4.4	18.1	0.0	9.0	0.0	0.0	9.0	0.0	9.0
HA30331	713.8	838.3	962.7	1087.2	1211.6	1336.0	1460.5	1584.9	1709.4	1833.8	7.6	0.0	7.6	7.6	15.3	15.3	23.0	0.0	7.6	15.3
HA30332	1089.5	1184.0	1278.6	1373.1	1467.7	1562.3	1656.8	1751.4	1845.9	1940.5	38.4	7.6	15.3	15.3	0.0	0.0	7.6	0.0	7.6	7.6
HA30337	1493.7	1584.2	1674.8	1765.3	1855.8	1946.3	2036.8	2127.4	2217.9	2308.4	18.1	34.3	0.0	18.1	0.0	18.1	0.0	0.0	0.0	9.0
HA30338	1112.5	1197.0	1281.5	1366.0	1450.5	1535.0	1619.5	1704.0	1788.5	1873.0	33.3	8.3	8.3	8.3	16.6	0.0	8.3	0.0	8.3	8.3
HA30339	604.4	671.0	737.5	804.0	870.5	937.1	1003.6	1070.1	1136.7	1203.2	16.6	0.0	0.0	25.0	16.6	16.6	0.0	0.0	16.6	8.3

Tabla C.226. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Veracruz.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad PerS(años)	DesvStd (años)	PerS Duración DS(años)	DesvStd (años)	DS SS(mm)	Severidad DesvStd (mm)	SS Intensidad IS(mm/año)	% de IS respecto a Xc	lluvia disponible Hp disp (mm)	Hp disp S(mm)		
HA30001	4.6	1.2	2.5	1.6	608.9	385.0	243.5	13.0	1586.5	2.2	MUY SEVERA	
HA30002	4.1	1.9	1.8	0.9	348.3	223.1	193.5	19.0	796.0	6.8	SEVERA	
HA30003	3.7	1.4	1.8	1.0	267.5	220.6	148.6	17.0	697.1	5.0	SEVERA	
HA30004	5.0	2.9	2.2	1.0	269.3	342.8	122.4	21.0	447.9	5.9	MUY VASTA	
HA30005	3.2	1.6	1.1	0.3	554.2	413.4	503.8	21.0	1792.1	2.7	VASTA	
HA30006	4.2	1.7	2.0	1.0	574.7	357.4	287.3	23.0	917.1	4.1	MUY VASTA	
HA30007	4.2	1.9	2.0	1.0	457.5	392.7	228.7	25.0	682.1	4.6	MUY VASTA	
HA30008	3.5	0.9	1.8	1.7	559.2	685.8	310.6	23.0	1010.1	5.4	VASTA	
HA30009	4.3	3.2	2.0	1.7	837.3	474.0	418.6	23.0	1354.6	6.2	MUY VASTA	
HA30011	4.0	2.0	1.8	0.9	997.1	676.2	553.9	23.0	1800.2	4.1	VASTA	
HA30012	2.7	1.0	1.6	1.0	511.5	340.0	319.6	17.0	1469.8	4.9	SEVERA	
HA30013	5.5	2.1	3.0	2.1	670.3	727.0	223.4	14.0	1354.3	3.6	EXTREMADAMENTE SEVERA	
HA30014	2.6	0.7	1.2	0.4	265.0	221.9	220.8	14.0	1287.5	6.5	SEVERA	
HA30015	3.3	2.1	1.8	1.3	377.9	289.6	209.9	15.0	1112.9	5.5	SEVERA	
HA30016	4.7	1.2	1.9	0.6	484.8	244.4	255.1	20.0	1012.1	6.0	SEVERA	
HA30018	4.3	1.7	2.5	1.3	356.1	208.8	142.4	12.0	1026.3	3.9	MUY SEVERA	
HA30021	2.8	1.1	1.2	0.4	216.0	95.5	180.0	20.0	697.7	4.1	SEVERA	
HA30022	4.6	0.7	2.8	1.2	999.3	506.3	356.8	17.0	1708.4	3.5	MUY SEVERA	
HA30024	6.0	0.8	2.0	1.0	449.1	173.5	224.5	28.0	563.4	7.0	MUY VASTA	
HA30025	2.8	0.9	1.4	0.6	405.8	167.3	289.8	15.0	1615.2	4.4	SEVERA	
HA30026	4.0	1.1	1.7	1.1	528.0	351.9	310.5	19.0	1260.8	5.8	SEVERA	
HA30029	3.8	2.3	1.5	1.0	555.0	705.3	370.0	19.0	1565.1	6.2	SEVERA	
HA30031	4.1	0.7	2.8	0.8	685.4	378.9	244.7	16.0	1206.1	3.5	MUY SEVERA	
HA30032	4.3	1.1	2.1	1.1	460.5	412.1	219.2	11.0	1676.8	5.7	MUY SEVERA	
HA30033	4.5	1.7	2.3	1.6	1308.1	1037.1	568.7	12.0	4102.2	4.9	MUY SEVERA	
HA30034	3.0	1.3	1.6	1.0	558.1	442.0	348.8	14.0	2096.9	4.3	SEVERA	
HA30035	5.2	2.2	3.3	1.2	523.0	124.2	158.4	12.0	1128.8	3.5	EXTREMADAMENTE SEVERA	
HA30037	5.2	1.9	1.7	1.6	1324.9	1747.2	779.3	30.0	1747.0	8.0	VASTA	
HA30039	4.7	1.0	2.6	1.3	479.1	323.0	184.2	17.0	848.3	5.5	MUY SEVERA	
HA30040	5.3	0.9	3.0	0.7	653.8	170.0	217.9	13.0	1418.2	4.0	EXTREMADAMENTE SEVERA	
HA30041	5.6	2.6	2.8	2.9	1328.2	1445.8	474.3	24.0	1449.8	3.1	MUY VASTA	
HA30042	3.1	1.5	1.7	1.0	229.9	160.3	135.2	7.0	1737.0	5.1	NORMAL	
HA30043	3.6	1.7	2.3	0.9	782.7	486.7	340.3	17.0	1550.3	3.2	MUY SEVERA	

Tabla C.227. Características de la sequía promedio de cada estación climatológica del estado de Veracruz.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica		
	Periodicidad	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS	Intensidad			% de IS	lluvia disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c	Hp disp S(mm)	Hp disp S(mm)				
HA30044	3.6	1.0	1.8	0.6	249.2	146.9	138.4	10.0	1204.5	4.5	NORMAL			
HA30045	2.6	0.7	1.4	0.4	330.5	227.4	236.0	21.0	883.4	5.1	VASTA			
HA30046	5.2	2.7	2.8	1.4	650.0	254.8	232.1	19.0	989.2	4.0	MUY SEVERA			
HA30047	3.8	1.3	2.1	0.9	380.7	216.3	181.2	16.0	921.2	4.5	MUY SEVERA			
HA30048	4.1	1.0	2.5	1.0	506.0	226.7	202.3	14.0	1176.9	4.0	MUY SEVERA			
HA30049	3.6	2.4	1.7	1.0	391.3	251.7	230.1	23.0	757.2	6.4	VASTA			
HA30050	3.5	0.8	2.0	0.8	303.6	240.7	151.8	13.0	1007.9	4.7	MUY SEVERA			
HA30051	3.6	0.9	2.5	1.1	408.5	57.8	163.3	16.0	821.7	3.9	MUY SEVERA			
HA30054	4.6	2.0	2.2	1.9	607.9	562.8	276.3	17.0	1314.6	3.3	MUY SEVERA			
HA30055	4.1	2.1	2.5	1.9	394.7	354.0	157.8	12.0	1129.7	4.6	MUY SEVERA			
HA30056	4.1	2.1	2.8	2.2	512.2	420.5	182.9	11.0	1464.7	3.7	MUY SEVERA			
HA30058	2.7	0.9	1.5	0.6	349.7	378.6	233.1	16.0	1159.0	5.0	SEVERA			
HA30059	3.5	1.5	2.0	1.4	407.2	273.6	203.6	22.0	709.2	2.1	MUY VASTA			
HA30060	3.9	1.9	2.4	1.6	359.2	478.5	149.6	15.0	840.8	4.4	MUY SEVERA			
HA30061	3.2	1.6	1.5	0.8	329.0	278.0	219.3	12.0	1604.4	5.9	SEVERA			
HA30062	3.0	0.8	1.0	0.5	435.0	233.9	435.0	22.0	1494.2	6.4	VASTA			
HA30064	4.5	2.2	2.3	1.7	795.0	1084.2	345.6	14.0	2084.2	5.4	MUY SEVERA			
HA30065	3.7	1.4	1.5	0.7	325.2	176.3	216.8	13.0	1356.1	2.4	SEVERA			
HA30066	3.0	0.8	1.3	0.4	326.7	299.9	251.3	12.0	1742.4	8.4	SEVERA			
HA30067	3.5	0.9	1.8	0.9	370.8	279.6	206.0	14.0	1170.9	4.8	SEVERA			
HA30068	2.8	1.1	1.0	0.3	243.3	221.7	243.3	26.0	679.8	6.6	VASTA			
HA30069	4.3	1.6	2.2	1.0	631.3	337.1	286.9	21.0	1027.8	6.3	MUY VASTA			
HA30070	3.5	1.2	2.0	0.9	356.5	256.6	178.2	11.0	1436.3	3.8	MUY SEVERA			
HA30071	5.2	2.0	2.8	1.9	645.2	260.0	230.4	16.0	1199.7	4.4	MUY SEVERA			
HA30072	4.3	1.3	2.4	0.9	460.7	282.4	191.9	11.0	1544.8	6.1	MUY SEVERA			
HA30074	3.8	1.5	1.6	0.9	478.1	306.1	298.8	18.0	1357.0	6.2	SEVERA			
HA30076	4.3	1.4	2.0	1.0	330.2	226.8	165.1	15.0	916.8	7.9	MUY SEVERA			
HA30077	4.0	2.2	2.1	0.9	399.5	217.6	190.2	10.0	1709.5	5.7	MODERADA			
HA30079	3.4	1.1	2.6	1.4	395.9	320.8	152.2	10.0	1272.1	3.1	MODERADA			
HA30080	3.0	0.5	1.5	0.5	273.0	107.9	182.0	10.0	1596.3	4.3	NORMAL			
HA30081	5.3	0.4	3.2	1.0	1145.2	508.5	357.6	18.0	1536.9	2.1	EXTREMADAMENTE SEVERA			
HA30082	4.0	2.5	2.1	1.7	670.9	444.3	319.4	18.0	1448.5	3.9	MUY SEVERA			
HA30083	3.7	1.8	1.8	1.2	296.6	268.3	164.7	11.0	1294.3	3.9	SEVERA			

Tabla C.227. Características de la sequía promedio de cada estación climatológica del estado de Veracruz.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad Per(S(años))	DesvStd (años)	PerS Duración DS(años)	DesvStd (años)	DS Severidad SS(mm)	DesvStd (mm)	SS Intensidad IS(mm/año)	% de IS respecto a X _s	Hvía disponible Hp disp S(mm)	DesvStd (mm)		
HA30085	3.8	1.3	2.0	1.3	445.0	385.5	222.5	13.0	1392.3	4.1	MUY SEVERA	
HA30086	4.3	0.4	1.7	0.8	333.0	185.0	195.8	16.0	973.0	5.7	SEVERA	
HA30087	6.5	1.6	2.8	1.5	554.5	349.1	198.0	15.0	1094.0	4.5	MUY SEVERA	
HA30088	3.9	2.7	2.3	1.9	671.6	585.6	292.0	29.0	707.1	2.5	MUY VASTA	
HA30089	5.7	1.9	3.0	2.1	736.1	587.7	245.3	17.0	1152.5	5.0	EXTREMADAMENTE SEVERA	
HA30090	3.3	1.3	1.4	0.9	730.8	1065.9	522.0	20.0	2025.6	4.6	SEVERA	
HA30091	3.6	1.9	2.0	1.1	506.5	438.5	253.2	17.0	1186.6	5.3	MUY SEVERA	
HA30093	4.0	2.1	1.8	1.5	372.7	419.7	207.0	22.0	722.4	4.3	VASTA	
HA30094	4.6	1.7	1.7	0.6	507.6	320.4	298.5	26.0	844.5	6.5	VASTA	
HA30096	5.5	2.5	2.3	1.2	717.0	899.9	311.7	24.0	967.7	6.7	MUY VASTA	
HA30098	5.2	2.8	2.6	1.6	797.8	423.4	306.8	21.0	1092.7	4.4	MUY VASTA	
HA30100	3.2	0.8	2.0	0.8	302.3	183.6	151.1	21.0	552.1	3.7	MUY VASTA	
HA30101	6.2	3.2	3.0	2.6	628.4	593.8	209.4	20.0	811.0	6.3	EXTREMADAMENTE SEVERA	
HA30102	6.7	3.5	2.4	1.8	748.1	716.8	311.7	21.0	1171.3	6.8	MUY VASTA	
HA30103	4.4	2.2	2.3	1.3	498.2	525.3	216.6	21.0	773.0	4.2	MUY VASTA	
HA30104	3.1	1.2	2.2	1.3	341.7	308.9	155.3	14.0	930.2	3.9	MUY SEVERA	
HA30105	2.7	0.8	1.6	0.9	466.1	311.5	291.3	20.0	1115.9	4.4	SEVERA	
HA30106	3.4	0.4	2.3	1.3	434.0	381.1	188.6	13.0	1223.7	4.5	MUY SEVERA	
HA30108	6.0	3.0	3.3	2.4	788.3	840.8	238.8	13.0	1558.5	3.9	EXTREMADAMENTE SEVERA	
HA30109	3.4	0.4	1.8	0.8	448.2	310.8	249.0	20.0	987.0	4.4	SEVERA	
HA30110	5.3	4.0	2.7	1.7	586.0	376.8	217.0	15.0	1213.3	4.9	MUY SEVERA	
HA30111	6.3	0.4	3.2	1.4	1024.1	576.1	320.0	12.0	2285.1	3.4	EXTREMADAMENTE SEVERA	
HA30112	4.3	1.7	2.2	1.2	407.7	201.8	185.3	18.0	798.4	4.2	MUY SEVERA	
HA30113	2.8	0.9	1.2	0.4	766.1	604.2	638.4	25.0	1845.5	6.5	VASTA	
HA30114	6.2	3.8	2.2	2.3	854.6	1099.5	388.4	25.0	1133.6	7.1	MUY VASTA	
HA30115	2.7	0.8	1.8	1.0	541.8	350.4	301.0	12.0	2203.4	5.4	SEVERA	
HA30116	4.7	1.4	2.3	1.0	441.1	344.1	191.7	17.0	906.9	4.5	MUY SEVERA	
HA30117	2.8	0.6	1.6	0.6	366.3	333.9	228.9	14.0	1312.0	6.0	SEVERA	
HA30118	6.6	0.4	2.7	1.4	966.3	300.2	357.8	21.0	1294.4	5.0	MUY VASTA	
HA30119	3.0	0.9	1.5	0.7	429.4	268.7	286.2	11.0	2213.7	4.5	SEVERA	
HA30121	3.5	1.5	1.6	0.9	565.0	340.3	353.1	18.0	1534.4	4.6	SEVERA	
HA30123	2.8	0.8	1.9	1.3	370.5	387.3	195.0	14.0	1109.8	3.7	SEVERA	
HA30124	4.7	2.1	3.0	1.4	362.8	275.1	120.9	13.0	794.7	4.0	EXTREMADAMENTE SEVERA	

Tabla C.227. Características de la sequía promedio de cada estación climatológica del estado de Veracruz.

Estación	Características promedio de la sequía meteorológica									Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica			
	Periodicidad	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS			Intensidad	% de IS	lluvia disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	Hp disp S(mm)			Hp disp S(mm)		
HA30125	5.7	2.5	3.8	1.5	867.1	701.1	228.1	20.0	872.5	3.9	EXTREMADAMENTE SEVERA			
HA30128	4.7	1.1	2.5	1.3	218.3	123.4	87.3	20.0	343.9	3.9	MUY SEVERA			
HA30129	4.3	1.7	2.3	1.2	505.3	274.9	219.6	17.0	1036.7	4.1	MUY SEVERA			
HA30130	4.2	1.6	2.1	0.8	646.6	309.3	307.9	23.0	1023.2	4.4	MUY VASTA			
HA30131	3.8	1.3	2.2	1.4	656.7	421.2	298.5	15.0	1633.8	4.3	MUY SEVERA			
HA30132	5.4	1.8	2.8	2.0	514.5	435.4	183.7	17.0	867.0	3.6	MUY SEVERA			
HA30133	6.0	3.0	2.3	1.2	804.5	538.2	349.7	25.0	998.3	2.3	MUY VASTA			
HA30134	3.8	2.1	2.0	1.6	910.0	949.5	455.0	19.0	1928.7	4.9	MUY SEVERA			
HA30136	4.5	2.1	2.0	0.8	692.9	309.4	346.4	29.0	842.5	5.8	MUY VASTA			
HA30137	4.3	1.6	2.8	1.9	551.6	401.7	197.0	14.0	1149.1	3.9	MUY SEVERA			
HA30141	2.7	0.7	1.5	1.0	335.6	331.0	223.7	24.0	702.6	5.0	VASTA			
HA30142	3.3	0.7	1.7	0.6	610.6	383.2	359.1	24.0	1129.8	2.1	VASTA			
HA30143	5.5	2.9	2.3	1.3	610.4	363.3	265.3	20.0	1054.8	3.2	MUY SEVERA			
HA30144	4.3	1.6	2.0	0.7	568.4	224.0	284.2	24.0	893.6	4.5	MUY VASTA			
HA30146	4.0	2.1	1.6	1.1	635.6	601.8	397.2	20.0	1511.1	5.7	SEVERA			
HA30148	4.6	1.8	1.5	0.8	316.4	273.7	210.9	16.0	1060.5	8.3	SEVERA			
HA30149	8.0	0.5	3.3	0.9	1027.1	215.2	311.2	18.0	1331.3	4.8	EXTREMADAMENTE SEVERA			
HA30150	3.1	1.3	1.5	1.0	546.0	664.5	364.0	25.0	1041.5	5.3	VASTA			
HA30151	2.9	1.0	1.5	0.7	442.2	285.4	294.7	14.0	1724.2	6.5	SEVERA			
HA30152	4.2	2.6	2.5	1.8	499.3	432.3	199.7	13.0	1228.8	3.6	MUY SEVERA			
HA30153	3.8	1.3	2.1	0.9	427.0	390.2	203.3	13.0	1265.5	5.6	MUY SEVERA			
HA30155	4.0	1.5	2.0	1.5	766.7	667.5	383.3	19.0	1560.9	5.2	MUY SEVERA			
HA30156	7.0	0.5	3.5	1.5	618.0	296.8	176.5	8.0	1950.9	3.8	EXTRAORDINARIA			
HA30157	4.4	1.3	2.5	1.3	581.3	298.4	232.5	23.0	775.6	4.6	MUY VASTA			
HA30158	5.0	1.5	3.1	1.0	422.3	207.2	136.2	14.0	821.0	3.5	EXTREMADAMENTE SEVERA			
HA30159	3.1	0.9	1.5	0.4	418.7	164.1	279.1	18.0	1198.1	2.1	SEVERA			
HA30160	4.0	1.0	2.0	1.1	402.6	249.9	201.3	20.0	761.5	4.7	MUY SEVERA			
HA30162	4.0	1.2	1.9	0.8	1006.1	703.9	529.5	21.0	1907.8	5.4	VASTA			
HA30163	3.5	1.3	1.5	0.9	314.2	285.9	209.4	20.0	788.1	4.6	SEVERA			
HA30164	3.6	1.2	1.7	0.8	465.0	273.5	273.5	12.0	1907.0	4.6	SEVERA			
HA30165	4.4	1.6	2.3	1.7	461.5	151.1	200.6	20.0	800.3	4.3	MUY SEVERA			
HA30166	5.2	0.4	2.7	1.4	780.0	640.0	288.8	24.0	894.8	3.4	MUY VASTA			
HA30167	3.5	1.6	2.2	1.5	1091.5	1044.1	496.1	22.0	1677.6	7.4	MUY VASTA			

Tabla C.227. Características de la sequía promedio de cada estación climatológica del estado de Veracruz.

Estado	Estación	Características promedio de la sequía meteorológica									Tr(años) para	Tipo de sequía Meteorológica
		Periodicidad PerS(años)	DesvStd (años)	PerS DS(años)	Duración (años)	DesvStd DS(mm)	SS (mm)	Severidad IS(mm/año)	DesvStd SS	Intensidad % de IS		
	HA30168	4.5	2.4	2.6	1.1	746.8	324.6	287.2	17.0	1374.3	4.2	MUY SEVERA
	HA30169	6.0	0.5	3.0	0.8	609.5	259.4	203.1	16.0	1003.3	3.8	EXTREMADAMENTE SEVERA
	HA30170	5.2	2.1	2.2	1.5	1328.7	1057.3	603.9	16.0	3129.9	6.7	MUY SEVERA
	HA30171	3.5	1.5	2.3	1.2	528.3	440.6	229.6	17.0	1073.1	4.7	MUY SEVERA
	HA30173	3.3	1.8	1.5	0.6	595.5	411.0	397.0	18.0	1758.6	5.4	SEVERA
AREV	HA30174	5.6	1.2	2.0	0.7	693.6	549.8	346.7	22.0	1224.8	7.9	MUY VASTA
	HA30175	4.0	2.0	2.0	1.1	591.9	458.1	295.9	19.0	1196.2	4.9	MUY SEVERA
	HA30175	4.0	2.0	2.0	1.1	591.9	458.1	295.9	19.0	1196.2	4.9	MUY SEVERA
	HA30176	4.1	1.9	2.5	1.2	586.2	353.6	234.4	20.0	897.1	2.6	MUY SEVERA
	HA30177	5.7	3.8	2.3	1.7	1015.5	777.6	441.5	26.0	1243.8	5.2	MUY VASTA
	HA30178	4.0	0.6	2.3	0.4	265.2	90.1	115.3	29.0	272.2	3.5	MUY VASTA
	HA30179	4.1	1.6	1.8	0.9	551.9	487.2	306.6	15.0	1718.6	8.1	SEVERA
	HA30180	4.1	2.0	2.1	1.7	648.4	480.5	308.7	20.0	1169.8	4.3	MUY SEVERA
ATSA	HA30182	4.5	1.6	3.3	2.0	1112.3	823.5	337.0	21.0	1195.9	2.5	EXTREMADAMENTE VASTA
	HA30183	4.4	2.0	2.3	1.3	669.1	343.1	290.9	16.0	1436.9	4.6	MUY SEVERA
	HA30185	4.2	1.5	1.9	0.8	465.1	322.7	244.7	18.0	1106.1	5.3	SEVERA
	HA30186	4.7	2.0	2.3	0.7	259.6	95.5	112.8	24.0	339.9	3.9	MUY VASTA
AV	HA30187	5.6	2.5	2.1	2.1	608.0	1014.2	289.5	15.0	1563.1	6.0	MUY SEVERA
	HA30191	5.1	3.5	2.3	2.5	728.5	929.3	316.7	23.0	1014.1	5.4	MUY VASTA
AREV	HA30193	5.3	2.4	3.1	2.2	612.1	411.1	197.4	15.0	1086.0	3.1	EXTREMADAMENTE SEVERA
	HA30194	5.1	3.5	2.3	2.5	728.5	929.3	316.7	23.0	1014.1	5.4	MUY VASTA
	HA30195	5.0	3.0	2.3	1.9	553.2	440.8	240.5	27.0	626.5	7.3	MUY VASTA
	HA30197	3.5	1.3	1.8	1.1	1009.8	1072.6	561.0	18.0	2431.1	4.4	SEVERA
	HA30198	5.0	2.4	2.5	1.8	263.7	191.2	105.4	27.0	277.1	6.9	MUY VASTA
	HA30199	4.3	2.2	1.8	0.6	450.9	376.1	250.5	24.0	782.2	5.8	VASTA
	HA30200	3.3	0.9	1.8	0.8	461.1	315.2	256.1	9.0	2359.1	4.6	NORMAL
	HA30201	2.5	1.0	1.1	0.3	401.3	193.6	364.8	22.0	1292.0	6.1	VASTA
	HA30202	5.0	2.1	2.7	0.8	782.3	470.0	289.7	23.0	963.5	6.1	MUY VASTA
	HA30203	2.5	0.5	0.9	0.0	302.1	154.4	335.6	35.0	615.6	7.1	MUY VASTA
AV	HA30204	3.1	1.5	1.6	0.6	551.1	457.3	344.4	17.0	1676.5	5.7	SEVERA
	HA30205	4.0	1.4	2.0	0.8	437.6	281.7	218.8	15.0	1159.0	4.4	MUY SEVERA
	HA30206	3.6	1.0	2.5	0.7	531.7	208.6	212.6	13.0	1388.1	4.5	MUY SEVERA
	HA30207	4.1	1.8	2.5	1.5	713.2	466.2	285.2	19.0	1208.1	3.6	MUY SEVERA

Tabla C.227. Características de la sequía promedio de cada estación climatológica del estado de Veracruz.

Grupo	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	Huía disponible	para		
	Per(S(años))	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	Hp disp S(mm)	Hp disp S(mm)		
HA30209	4.2	0.9	1.8	1.0	953.9	462.2	529.9	17.0	2423.9	6.0	SEVERA	
HA30211	3.1	0.7	1.5	0.9	288.0	245.8	192.0	19.0	764.7	6.0	SEVERA	
HA30212	3.1	0.9	1.6	1.0	230.8	216.4	144.2	19.0	604.5	4.3	SEVERA	
HA30213	3.5	0.5	1.6	0.9	551.6	204.9	344.7	28.0	871.4	6.7	VASTA	
HA30214	2.8	1.0	1.5	0.9	658.3	545.2	438.8	16.0	2260.2	2.3	SEVERA	
HA30219	5.0	0.0	1.6	0.9	719.2	499.2	449.5	17.0	2115.4	6.5	SEVERA	
HA30221	6.3	2.8	3.5	2.6	702.9	496.3	200.8	15.0	1056.2	3.8	EXTREMADAMENTE SEVERA	
HA30222	3.0	0.5	1.3	0.4	357.9	57.2	275.3	19.0	1146.3	6.4	SEVERA	
HA30223	6.0	2.9	2.7	2.4	1265.9	1141.7	468.8	19.0	1960.9	4.4	MUY SEVERA	
HA30228	8.5	4.5	4.0	2.1	758.3	594.9	189.5	13.0	1173.5	4.2	MUY SEVERA	
HA30229	5.2	2.0	2.4	1.7	590.0	527.7	245.8	16.0	1210.2	5.0	MUY SEVERA	
HA30241	2.3	0.4	1.6	0.7	301.8	201.4	188.6	18.0	854.1	4.4	SEVERA	
HA30245	3.3	0.9	1.5	0.8	382.0	224.9	254.6	19.0	1044.6	3.7	SEVERA	
ATZ HA30261	4.5	0.5	3.3	0.9	1004.3	346.8	304.3	25.0	882.9	4.1	EXTREMADAMENTE VASTA	
HA30264	3.0	0.8	1.2	0.4	546.5	134.4	455.4	28.0	1122.2	5.0	VASTA	
HA30266	3.0	1.5	1.5	0.5	212.8	102.5	141.8	18.0	612.9	3.4	SEVERA	
HA30267	4.3	2.6	2.7	1.4	513.4	447.9	190.1	12.0	1333.3	3.9	MUY SEVERA	
HA30268	5.0	0.0	3.0	1.0	464.1	120.7	154.6	15.0	836.7	4.0	EXTREMADAMENTE SEVERA	
HA30269	2.6	0.4	1.5	0.5	298.7	92.3	199.1	14.0	1171.4	2.7	SEVERA	
APZ HA30295	4.0	2.0	3.3	2.0	704.9	555.4	213.6	18.0	954.7	5.6	EXTREMADAMENTE SEVERA	
HA30296	3.3	1.2	1.5	0.8	781.8	344.0	521.2	25.0	1555.3	5.8	VASTA	
HA30297	2.7	0.8	1.8	1.1	372.9	306.4	207.1	19.0	844.9	4.6	SEVERA	
HA30306	2.5	0.5	1.3	0.4	418.6	264.1	322.0	20.0	1230.1	4.2	SEVERA	
HA30307	3.0	1.0	2.0	0.8	483.1	141.4	241.5	20.0	924.4	3.1	MUY SEVERA	
HA30327	3.0	0.5	2.6	1.6	1161.8	556.5	446.8	17.0	2170.8	4.8	MUY SEVERA	
HA30329	4.0	0.5	2.6	0.4	586.6	224.6	225.6	24.0	690.4	3.2	MUY VASTA	
HA30331	7.0	0.5	3.5	1.5	884.7	457.3	252.7	19.0	1039.7	5.1	EXTREMADAMENTE SEVERA	
HA30332	3.6	0.4	2.2	0.8	380.6	187.5	173.0	13.0	1111.5	3.4	MUY SEVERA	
HA30337	3.0	1.0	2.0	1.4	373.1	224.3	186.5	11.0	1496.0	3.8	MUY SEVERA	
HA30338	3.0	0.5	3.5	1.5	655.1	168.7	187.1	14.0	1133.8	3.4	EXTREMADAMENTE SEVERA	
HA30339	2.2	0.4	1.3	0.4	175.9	97.6	135.3	15.0	722.8	4.8	SEVERA	

Tabla C.227. Características de la sequía promedio de cada estación climatológica del estado de Veracruz.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I'	Intensidad	Duración / máx	% de I'	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I'(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA30001	1149.6	5.0	229.9	12.0	265.5	3.0	14.0	50.0	0.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA30002	764.2	4.0	191.0	19.0	497.2	1.0	50.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA30003	614.9	3.0	204.9	24.0	300.0	1.0	35.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA30004	854.5	4.0	213.6	37.0	213.6	4.0	37.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30005	1360.7	2.0	680.3	29.0	680.3	2.0	29.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30006	1300.6	4.0	325.1	26.0	665.9	1.0	55.0	33.3	50.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA30007	1199.9	4.0	299.9	32.0	331.7	1.0	36.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30008	1993.7	6.0	332.2	25.0	577.4	2.0	43.0	71.4	14.2	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA30009	1579.8	5.0	315.9	17.0	920.3	1.0	51.0	75.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA30011	2072.9	2.0	1036.4	44.0	1036.4	2.0	44.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA30012	1030.3	1.0	1030.4	57.0	1030.4	1.0	57.0	60.0	20.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30013	2042.2	7.0	291.7	18.0	291.7	7.0	18.0	40.0	0.0	40.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
HA30014	762.4	2.0	381.2	25.0	381.2	2.0	25.0	71.4	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30015	866.8	5.0	173.3	13.0	380.7	2.0	28.0	57.1	28.5	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA30016	930.2	3.0	310.0	24.0	310.0	3.0	24.0	20.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30018	759.1	5.0	151.8	12.0	359.0	1.0	30.0	28.5	28.5	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0
HA30021	346.2	1.0	346.2	39.0	346.2	1.0	39.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30022	2149.3	5.0	429.8	20.0	708.4	1.0	34.0	14.2	28.5	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0
HA30024	678.6	3.0	226.2	28.0	427.6	1.0	54.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30025	703.4	3.0	234.4	12.0	525.3	1.0	27.0	66.6	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30026	1310.1	4.0	327.5	20.0	502.9	1.0	32.0	71.4	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA30029	2158.5	4.0	539.6	27.0	539.6	4.0	27.0	71.4	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA30031	1459.5	3.0	486.5	33.0	486.5	3.0	33.0	0.0	50.0	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA30032	1321.7	3.0	440.5	23.0	440.5	3.0	23.0	42.8	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA30033	3482.4	6.0	580.4	12.0	1454.0	1.0	31.0	33.3	50.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA30034	1383.1	3.0	461.0	18.0	461.0	3.0	18.0	66.6	11.1	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA30035	677.2	4.0	169.3	13.0	232.0	2.0	18.0	0.0	40.0	0.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0
HA30037	4670.2	5.0	934.0	36.0	1456.4	1.0	57.0	80.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA30039	845.4	5.0	169.0	16.0	338.0	2.0	32.0	20.0	40.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA30040	944.8	3.0	314.9	19.0	314.9	3.0	19.0	0.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30041	4234.8	9.0	470.5	24.0	531.5	4.0	27.0	66.6	0.0	0.0	6.6	0.0	0.0	0.0	0.0	16.6	0.0
HA30042	438.9	1.0	438.9	23.0	438.9	1.0	23.0	62.5	12.5	12.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
HA30043	1434.5	4.0	358.6	18.0	589.6	2.0	31.0	16.6	50.0	16.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.228. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Veracruz.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I^*	Intensidad	Duración $I_{m\acute{a}x}$	% de $I_{m\acute{a}x}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I^*(mm/a\acute{o}o)$	respecto a X_0	$I_{m\acute{a}x}(mm/a\acute{o}o)$	$D_{I_{m\acute{a}x}}(a\acute{o}s)$	respecto a X_0	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA30044	549.2	2.0	274.6	20.0	274.6	2.0	20.0	33.3	50.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30045	740.1	2.0	370.0	33.0	388.0	1.0	34.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30046	1073.0	5.0	214.6	17.0	384.7	2.0	31.0	20.0	40.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA30047	647.9	4.0	161.9	14.0	542.7	1.0	49.0	28.5	42.8	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA30048	784.6	4.0	196.1	14.0	257.3	2.0	18.0	14.2	42.8	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0
HA30049	822.6	1.0	822.6	83.0	822.6	1.0	83.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA30050	760.1	3.0	253.3	21.0	338.0	2.0	29.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30051	505.1	4.0	126.2	12.0	352.1	1.0	35.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30054	1911.7	7.0	273.1	17.0	401.0	2.0	25.0	42.8	42.8	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.0
HA30055	924.6	6.0	154.1	11.0	213.5	1.0	16.0	57.1	0.0	0.0	28.5	0.0	14.2	0.0	0.0	0.0	0.0
HA30056	1428.3	8.0	178.5	10.0	384.8	1.0	23.0	28.5	42.8	0.0	14.2	0.0	0.0	0.0	14.2	0.0	0.0
HA30058	1372.2	3.0	457.4	32.0	457.4	3.0	32.0	60.0	30.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30059	747.7	4.0	186.9	20.0	396.0	1.0	43.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA30060	1497.9	6.0	249.6	25.0	249.6	6.0	25.0	42.8	14.2	28.5	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA30061	950.4	1.0	950.4	52.0	950.4	1.0	52.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30062	667.0	1.0	667.0	34.0	667.0	1.0	34.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30064	2949.2	5.0	589.8	24.0	589.8	5.0	24.0	60.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA30065	581.7	3.0	193.9	12.0	358.8	1.0	22.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30066	1055.1	2.0	527.5	26.0	527.5	2.0	26.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30067	779.1	3.0	259.7	18.0	434.3	1.0	31.0	50.0	12.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30068	783.0	2.0	391.5	42.0	391.5	2.0	42.0	90.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30069	1200.8	4.0	300.2	22.0	451.6	1.0	34.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30070	884.7	3.0	294.9	18.0	294.9	3.0	18.0	42.8	14.2	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30071	977.5	6.0	162.9	11.0	497.2	1.0	34.0	40.0	20.0	0.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0
HA30072	927.8	4.0	231.9	13.0	390.1	2.0	22.0	14.2	42.8	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA30074	951.2	4.0	237.8	14.0	706.8	1.0	42.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA30076	623.4	2.0	311.7	28.0	311.7	2.0	28.0	42.8	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA30077	768.9	3.0	256.3	13.0	349.7	1.0	18.0	42.8	0.0	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30079	1044.2	3.0	348.0	24.0	348.0	3.0	24.0	25.0	25.0	37.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
HA30080	406.1	2.0	203.0	11.0	222.9	1.0	12.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30081	1802.1	5.0	360.4	19.0	491.9	3.0	25.0	0.0	25.0	50.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA30082	1362.3	2.0	681.1	38.0	681.1	2.0	38.0	50.0	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA30083	844.2	4.0	211.0	14.0	214.5	1.0	14.0	66.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.228. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Veracruz.

Estación	Características máximas registradas de la sequía meteorológica						Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad	Duración	I ^o =S _{máx} /D _{máx}	% de I ^o	Intensidad	Duración / I ^o	% de I ^o	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S _{máx} (mm)	D _{máx} (años)	I ^o (mm/año)	respecto a X _o	I _{máx} (mm/año)	D _{máx} (años)	respecto a X _o	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA30085	1223.1	4.0	305.7	18.0	305.7	4.0	18.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
HA30086	559.4	2.0	279.7	23.0	279.7	2.0	23.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30087	936.5	3.0	312.1	24.0	312.1	3.0	24.0	40.0	0.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA30088	1929.3	6.0	321.5	32.0	388.7	1.0	38.0	66.6	0.0	0.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0
HA30089	1802.2	7.0	257.4	18.0	553.9	1.0	39.0	40.0	0.0	40.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0
HA30090	3667.9	4.0	916.9	35.0	916.9	4.0	35.0	77.7	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA30091	1244.3	4.0	311.0	21.0	626.1	1.0	43.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA30093	1194.9	5.0	238.9	25.0	297.7	1.0	32.0	75.0	0.0	0.0	2.5	12.5	0.0	0.0	0.0	0.0	0.0
HA30094	944.7	2.0	472.3	41.0	472.3	2.0	41.0	42.8	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30096	1989.2	4.0	497.2	38.0	497.2	4.0	38.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA30098	1323.1	4.0	330.7	23.0	428.5	2.0	30.0	40.0	20.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA30100	600.3	3.0	200.1	28.0	344.2	1.0	48.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30101	1664.3	8.0	208.0	20.0	830.6	1.0	61.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
HA30102	2152.3	6.0	358.7	24.0	358.7	6.0	24.0	40.0	40.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA30103	1562.5	5.0	312.5	31.0	312.5	5.0	31.0	33.3	33.3	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA30104	1046.7	5.0	209.3	19.0	209.3	5.0	19.0	37.5	37.5	0.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0
HA30105	925.0	1.0	925.0	65.0	925.0	1.0	65.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA30106	1147.9	3.0	382.6	27.0	382.6	3.0	27.0	37.5	12.5	37.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
HA30108	2386.0	8.0	298.2	16.0	298.2	8.0	16.0	20.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30109	855.0	3.0	285.0	23.0	692.5	1.0	56.0	50.0	16.6	33.3	0.0	0.0	0.0	0.0	20.0	0.0	0.0
HA30110	1165.8	5.0	233.1	16.0	331.1	1.0	23.0	50.0	0.0	0.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0
HA30111	1910.6	5.0	382.1	14.0	506.6	1.0	19.0	25.0	0.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0
HA30112	719.6	4.0	179.9	18.0	385.1	1.0	39.0	42.8	14.2	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0
HA30113	1982.4	2.0	991.2	39.0	1446.9	1.0	58.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30114	3009.5	7.0	429.9	28.0	602.8	1.0	39.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30115	1302.4	1.0	1302.4	52.0	1302.4	1.0	52.0	55.5	11.1	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA30116	1042.7	4.0	260.6	23.0	260.6	4.0	23.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30117	1067.4	1.0	1067.4	69.0	1067.4	1.0	69.0	50.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30118	1248.6	5.0	249.7	15.0	522.6	1.0	31.0	25.0	25.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA30119	861.1	3.0	287.0	11.0	518.5	1.0	20.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30121	1197.8	4.0	299.4	15.0	974.5	1.0	51.0	55.5	33.3	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA30123	1261.8	5.0	252.3	19.0	269.5	1.0	20.0	42.8	42.8	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
HA30124	866.5	5.0	173.3	18.0	218.6	2.0	23.0	16.6	33.3	0.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0

Tabla C.228. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Veracruz.

Estación	Características máximas registradas de la sequía meteorológica						Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad	Duración	I ^m Smáx/Dmáx	% de I ^m	Intensidad	Duración / máx	% de I / máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I ^m (mm/año)	respecto a X _s	I máx(mm/año)	D I máx(años)	respecto a X _s	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA30125	2181.8	6.0	363.6	33.0	363.6	6.0	33.0	0.0	40.0	0.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0
HA30128	427.8	5.0	85.5	19.0	129.7	1.0	30.0	33.3	16.6	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA30129	849.0	4.0	212.2	16.0	473.1	1.0	37.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA30130	1040.1	2.0	520.0	39.0	520.0	2.0	39.0	16.6	66.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA30131	1191.1	5.0	238.2	12.0	544.8	2.0	28.0	50.0	12.5	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0
HA30132	1344.1	6.0	224.0	21.0	276.0	1.0	26.0	50.0	0.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0
HA30133	1513.1	4.0	378.2	28.0	378.2	4.0	28.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA30134	3174.4	6.0	529.0	22.0	529.0	6.0	22.0	57.1	28.5	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
HA30136	1152.4	2.0	576.2	48.0	576.2	2.0	48.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30137	1108.4	4.0	277.1	20.0	306.6	1.0	22.0	50.0	0.0	0.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0
HA30141	970.7	4.0	242.6	26.0	490.3	1.0	52.0	70.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30142	1254.4	2.0	627.2	42.0	998.9	1.0	67.0	42.8	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30143	968.3	4.0	242.0	18.0	381.8	2.0	28.0	40.0	20.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30144	806.4	3.0	268.8	22.0	387.6	2.0	32.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30146	1975.0	3.0	658.3	34.0	708.1	1.0	37.0	75.0	0.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA30148	754.7	1.0	754.7	59.0	754.7	1.0	59.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30149	1206.1	4.0	301.5	18.0	362.2	2.0	22.0	0.0	33.3	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0
HA30150	2139.3	4.0	534.8	38.0	534.8	4.0	38.0	71.4	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA30151	977.9	2.0	488.9	24.0	622.6	1.0	30.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30152	1286.4	6.0	214.4	15.0	217.4	4.0	15.0	50.0	16.6	0.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0
HA30153	1301.4	4.0	325.3	22.0	325.3	4.0	22.0	28.5	42.8	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA30155	1877.0	5.0	375.4	19.0	1139.8	1.0	58.0	60.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA30156	914.9	5.0	182.9	8.0	182.9	5.0	8.0	0.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0
HA30157	932.2	3.0	310.7	30.0	544.6	1.0	54.0	33.3	16.6	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA30158	627.2	4.0	156.8	16.0	197.6	3.0	20.0	16.6	0.0	33.3	50.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30159	654.1	2.0	327.0	22.0	327.0	2.0	22.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30160	838.0	4.0	209.5	21.0	389.1	1.0	40.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA30162	2467.2	3.0	822.4	33.0	822.4	3.0	33.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30163	1033.7	4.0	258.4	25.0	354.5	1.0	35.0	66.6	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA30164	892.9	3.0	297.6	13.0	297.6	3.0	13.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30165	640.5	3.0	213.5	21.0	543.0	1.0	54.0	50.0	16.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA30166	1808.0	4.0	452.0	38.0	452.0	4.0	38.0	20.0	40.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA30167	3049.4	5.0	609.8	28.0	685.9	1.0	31.0	60.0	0.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0

Tabla C.228. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Veracruz.

Estación	Características máximas registradas de la sequía meteorológica						Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad	Duración	$P=S_{máx}/D_{máx}$	% de P	Intensidad	Duración / máx	% de $I/máx$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$P'(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA30168	1285.2	4.0	321.3	19.0	512.4	1.0	30.0	16.6	33.3	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA30169	894.5	4.0	223.6	18.0	223.8	4.0	18.0	0.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA30170	3037.8	5.0	607.5	16.0	1174.4	1.0	31.0	60.0	0.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA30171	1135.2	4.0	283.8	21.0	347.0	1.0	26.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA30173	1385.6	2.0	692.8	32.0	692.8	2.0	32.0	55.5	33.3	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30174	1359.7	3.0	453.2	28.0	554.1	2.0	35.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30175	1494.8	3.0	498.2	33.0	498.2	3.0	33.0	50.0	16.6	16.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0
HA30175	1494.8	3.0	498.2	33.0	498.2	3.0	33.0	50.0	16.6	16.6	6.6	0.0	0.0	0.0	0.0	0.0	0.0
HA30176	1112.5	4.0	278.1	24.0	324.5	2.0	28.0	33.3	16.6	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA30177	2366.2	5.0	473.2	28.0	802.7	1.0	47.0	60.0	0.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA30178	392.9	2.0	196.4	50.0	196.4	2.0	50.0	0.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30179	1643.6	4.0	410.9	20.0	410.9	4.0	20.0	42.8	42.8	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0
HA30180	1400.2	6.0	233.3	15.0	852.0	1.0	57.0	50.0	33.3	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA30182	2576.3	6.0	429.3	28.0	429.3	6.0	28.0	33.3	16.6	0.0	0.0	33.3	16.6	0.0	0.0	0.0	0.0
HA30183	1260.0	3.0	420.0	24.0	420.0	3.0	24.0	33.3	33.3	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA30185	942.4	3.0	314.1	23.0	393.7	2.0	29.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30186	397.6	4.0	99.4	21.0	149.7	2.0	33.0	0.0	80.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30187	2875.5	7.0	410.7	22.0	410.7	7.0	22.0	66.6	16.6	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0
HA30191	2710.9	8.0	338.8	25.0	457.1	1.0	34.0	66.6	16.6	0.0	0.0	0.0	0.0	0.0	16.6	0.0	0.0
HA30193	1223.3	8.0	152.9	11.0	305.4	3.0	23.0	16.6	33.3	33.3	0.0	0.0	0.0	0.0	16.6	0.0	0.0
HA30194	2710.9	8.0	338.8	25.0	457.1	1.0	34.0	66.6	16.6	0.0	0.0	0.0	0.0	0.0	16.6	0.0	0.0
HA30195	1117.3	3.0	372.4	42.0	430.4	1.0	49.0	60.0	0.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0
HA30197	3528.1	3.0	1176.0	39.0	1176.0	3.0	39.0	57.1	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA30198	598.6	3.0	199.5	52.0	199.5	3.0	52.0	20.0	40.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA30199	1216.3	2.0	608.1	58.0	608.1	2.0	58.0	28.5	57.1	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30200	971.8	3.0	323.9	12.0	335.6	2.0	12.0	42.8	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30201	779.5	1.0	779.5	47.0	779.5	1.0	47.0	87.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30202	1439.7	3.0	479.9	38.0	479.9	3.0	38.0	0.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30203	517.1	1.0	517.1	54.0	517.1	1.0	54.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30204	1341.5	2.0	670.7	33.0	670.7	2.0	33.0	50.0	40.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30205	751.8	3.0	250.6	18.0	460.0	1.0	33.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30206	888.1	3.0	296.0	18.0	296.0	3.0	18.0	16.6	16.6	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30207	1257.7	2.0	628.8	42.0	628.8	2.0	42.0	33.3	33.3	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0

Tabla C.228. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Veracruz.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I	Intensidad	Duración / máx	% de I máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I'(mm/año)$	respecto a X_c	I máx(mm/año)	D / máx(años)	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA30209	1547.0	2.0	773.5	26.0	1261.1	1.0	42.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA30211	764.9	4.0	191.2	19.0	435.9	1.0	45.0	66.6	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA30212	811.0	4.0	202.7	27.0	345.3	1.0	45.0	70.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30213	806.4	3.0	268.8	22.0	543.9	1.0	44.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30214	1519.4	3.0	506.4	18.0	951.7	1.0	35.0	71.4	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30219	1143.5	3.0	381.1	14.0	995.9	1.0	38.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30221	1473.5	8.0	184.1	14.0	334.0	2.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0
HA30222	408.2	2.0	204.1	14.0	395.8	1.0	27.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30223	3225.7	7.0	460.8	18.0	775.2	1.0	31.0	50.0	25.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0
HA30228	1599.5	7.0	228.5	16.0	228.5	7.0	16.0	0.0	33.3	33.3	0.0	0.0	0.0	33.3	0.0	0.0	0.0
HA30229	1462.3	6.0	243.7	16.0	393.2	3.0	26.0	33.3	33.3	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA30241	704.1	3.0	234.7	22.0	334.5	1.0	31.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30245	719.8	3.0	239.9	18.0	411.5	1.0	31.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30261	1477.8	4.0	369.4	31.0	439.2	2.0	36.0	0.0	33.3	0.0	66.6	0.0	0.0	0.0	0.0	0.0	0.0
HA30264	695.5	2.0	347.7	22.0	621.4	1.0	39.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30266	329.7	2.0	164.8	21.0	264.2	1.0	35.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30267	1277.4	5.0	255.4	16.0	336.1	1.0	21.0	25.0	25.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA30268	584.8	4.0	146.2	14.0	171.6	2.0	17.0	0.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30269	411.6	2.0	205.8	15.0	208.1	1.0	15.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30295	1484.9	6.0	247.5	21.0	247.5	6.0	21.0	33.3	0.0	33.3	0.0	0.0	33.3	0.0	0.0	0.0	0.0
HA30296	1299.4	3.0	433.1	20.0	886.5	1.0	42.0	75.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30297	789.0	4.0	197.2	18.0	341.5	2.0	32.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30306	752.0	2.0	376.0	24.0	429.9	1.0	27.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30307	617.3	3.0	205.7	17.0	287.5	1.0	24.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30327	1636.3	5.0	327.2	12.0	734.2	2.0	28.0	33.3	33.3	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0
HA30329	751.7	3.0	250.5	27.0	250.5	3.0	27.0	0.0	33.3	66.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30331	1342.1	5.0	268.4	20.0	268.4	5.0	20.0	0.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0
HA30332	597.3	3.0	199.1	15.0	205.5	1.0	15.0	25.0	25.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA30337	682.6	4.0	170.6	10.0	279.3	1.0	16.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA30338	823.8	5.0	164.7	12.0	243.1	2.0	18.0	0.0	50.0	0.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0
HA30339	320.2	1.0	320.2	37.0	320.2	1.0	37.0	60.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.228. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Veracruz.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años) primer decil	Lluvia mínima registrada Hp min(mm)	Tr(años) para Hp min
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años			
	X ₁ (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)			
Acajete	1120.5	1135.8	233.3	-0.1	4.2	0.21	1111.0	951.0	840.0	722.0	549.0	405.0	32.2	524.8	56.5
Acatlán	1520.4	1461.7	287.9	0.2	2.7	0.19	1460.0	1271.0	1178.0	1090.0	971.0	875.0	13.9	1028.0	32.5
Acayucan	1620.5	1597.3	316.4	1.0	4.4	0.20	1607.0	1446.0	1341.0	1235.0	1086.0	959.0	11.3	1197.5	25.4
Actopan	898.5	885.4	185.2	0.3	3.0	0.21	881.0	746.0	660.0	575.0	460.0	369.0	11.6	572.2	20.4
Acuña	1329.6	1317.8	396.7	0.4	4.2	0.30	1297.0	1041.0	876.0	713.0	490.0	310.0	15.5	610.3	30.7
Acultzingo	835.2	827.5	199.2	0.5	3.4	0.24	839.0	631.0	573.0	450.0	272.0	138.0	9.1	504.8	15.1
Camarón de Tejeda	1516.0	1493.8	370.0	0.3	3.8	0.24	1502.0	1199.0	984.0	758.0	432.0	166.0	8.9	859.1	14.7
Alpáhualac	1895.6	1911.3	281.3	-0.5	4.7	0.15	1905.0	1702.0	1572.0	1445.0	1278.0	1149.0	72.0	1077.5	146.3
Alto Lucero de Gutiérrez Barrios	1464.6	1454.2	379.2	1.6	7.8	0.26	1429.0	1270.0	1168.0	1070.0	944.0	850.0	9.1	1025.7	27.6
Altotonga	1548.7	1455.9	312.6	0.8	4.1	0.20	1456.0	1308.0	1212.0	1101.0	904.0	712.0	12.8	1040.3	27.5
Alvarado	1712.6	1819.9	340.1	-0.5	3.1	0.20	1775.0	1353.0	1212.0	1098.0	944.0	817.0	12.6	1046.9	27.2
Amatlán	1329.6	1317.8	396.7	0.4	4.2	0.30	1297.0	1041.0	876.0	713.0	490.0	310.0	15.5	610.3	30.7
Naranjos Amatlán a/	1543.7	1536.0	335.6	0.5	3.5	0.22	1526.0	1283.0	1111.0	927.0	647.0	402.0	9.7	989.0	15.9
Amatlán de Los Reyes	1641.9	1645.7	231.7	0.2	2.5	0.14	1628.0	1457.0	1353.0	1256.0	1130.0	1037.0	9.8	1276.6	17.2
Angel R. Cabada	2398.4	2223.3	603.9	0.3	2.4	0.25	2214.0	1858.0	1702.0	1557.0	1363.0	1209.0	9.0	1530.1	22.7
Antigua, La	1156.1	1129.3	257.5	1.2	6.6	0.22	1124.0	976.0	872.0	756.0	560.0	370.0	8.9	765.6	19.0
Apazapan	989.0	969.5	211.1	1.7	7.2	0.21	946.0	830.0	739.0	619.0	374.0	145.0	7.5	680.7	14.5
Aquila	684.5	670.9	146.8	0.5	4.0	0.21	656.0	560.0	499.0	433.0	329.0	239.0	19.2	367.8	36.3
Astancinga	684.5	670.9	146.8	0.5	4.0	0.21	656.0	560.0	499.0	433.0	329.0	239.0	19.2	367.8	36.3
Atlahuilco	684.5	670.9	146.8	0.5	4.0	0.21	656.0	560.0	499.0	433.0	329.0	239.0	19.2	367.8	36.3
Atoyac	1641.9	1645.7	231.7	0.2	2.5	0.14	1628.0	1457.0	1353.0	1256.0	1130.0	1037.0	9.8	1276.6	17.2
Atzacan	1936.1	1955.3	306.1	-1.7	8.9	0.16	1978.0	1727.0	1565.0	1410.0	1211.0	1061.0	118.6	873.3	239.1
Atzacán	1648.1	1536.8	326.9	0.5	3.6	0.20	1407.5	1118.5	927.1	743.6	506.0	328.0	3.7	1061.0	6.1
Tlatetela	1517.4	1514.0	238.5	0.1	2.6	0.16	1513.0	1322.0	1206.0	1096.0	955.0	850.0	10.8	1104.8	18.9
Ayahualulco	2076.2	2102.9	412.5	-0.3	2.7	0.20	2098.0	1743.0	1535.0	1342.0	1095.0	911.0	17.9	1222.2	31.1
Banderilla	1152.7	1115.4	265.7	0.1	2.9	0.23	1130.0	938.0	825.0	717.0	572.0	460.0	13.4	684.1	24.6
Benito Juárez	1559.4	1582.2	242.0	0.1	3.5	0.16	1566.0	1391.0	1253.0	1093.0	849.0	651.0	12.2	1111.2	18.6
Boca del Río	1377.4	1316.1	258.1	0.9	4.3	0.19	1309.0	1150.0	1050.0	934.0	749.0	569.0	7.3	992.6	14.3
Calchahuaco	1895.6	1911.3	281.3	-0.5	4.7	0.15	1905.0	1702.0	1572.0	1445.0	1278.0	1149.0	72.0	1077.5	146.3
Carmerino Z. Mendoza	732.2	708.2	179.2	0.6	4.0	0.24	688.0	562.0	480.0	382.0	250.0	97.0	9.2	409.0	16.7

Tabla C.229. Características estadísticas de la lluvia anual de cada municipio del estado de Veracruz.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _o (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _{p min} (mm)	H _{p min}
Carrillo Puerto	1859.9	1888.3	353.2	-0.7	4.0	0.19	1898.0	1604.0	1421.0	1248.0	1025.0	859.0	32.5	988.6	58.3
Catemaco	2691.3	2719.4	446.4	0.7	5.9	0.17	2691.0	2299.0	2012.0	1691.0	1140.0	574.0	11.9	1697.9	19.7
Cazones de Herrera	1290.8	1227.6	234.2	0.4	2.8	0.18	1230.0	1105.0	1034.0	968.0	882.0	818.0	27.4	845.5	74.3
Cerro Azul	1543.7	1536.0	335.6	0.5	3.5	0.22	1526.0	1283.0	1111.0	927.0	647.0	402.0	9.7	989.0	15.9
Cittaltépec	1543.7	1536.0	335.6	0.5	3.5	0.22	1526.0	1283.0	1111.0	927.0	647.0	402.0	9.7	989.0	15.9
Coacoatzintla	1325.3	1238.9	296.1	2.1	9.0	0.22	1288.0	1131.0	1029.0	931.0	805.0	710.0	7.0	946.4	17.9
Coahuiltán	2414.8	2362.0	442.5	0.9	4.9	0.18	2312.0	1983.0	1739.0	1454.0	1016.0	664.0	5.5	1750.1	9.7
Coatepec	1443.5	1410.8	230.6	0.3	2.6	0.16	1402.0	1230.0	1135.0	1046.0	929.0	839.0	7.7	1089.8	14.2
Coatzacoalcos	2412.0	2405.0	477.6	-1.0	5.3	0.20	2453.0	2033.0	1792.0	1568.0	1283.0	1070.0	57.1	1041.0	109.8
Coatzintla	1241.3	1220.7	243.7	0.6	4.4	0.20	1213.0	1106.0	996.0	817.0	545.0	342.0	17.0	754.2	24.7
Coetzala	2504.5	2460.8	493.4	0.7	7.3	0.20	2491.0	2222.0	2036.0	1841.0	1535.0	1232.0	56.6	1202.0	106.2
Colipa	1343.6	1328.7	379.9	0.1	3.1	0.28	1325.0	1081.0	929.0	785.0	601.0	462.0	35.3	517.4	75.9
Comapa	1516.0	1498.8	370.0	0.3	3.8	0.24	1502.0	1199.0	984.0	758.0	432.0	166.0	8.9	859.1	14.7
Córdoba	1689.2	1703.7	214.5	0.0	3.0	0.13	1695.0	1515.0	1400.0	1289.0	1146.0	1039.0	13.9	1262.4	23.8
Cosamalopan	1661.5	1587.0	323.6	1.4	6.5	0.19	1609.0	1391.0	1247.0	1100.0	887.0	704.0	4.0	1300.9	7.7
Cosautlán de Carvajal	1755.4	1774.2	277.4	-0.2	2.9	0.16	1760.0	1522.0	1412.0	1311.0	1184.0	1090.0	38.9	1109.8	86.3
Coscomatepec	1895.6	1911.3	281.3	-0.5	4.7	0.15	1905.0	1702.0	1572.0	1445.0	1278.0	1149.0	72.0	1077.5	146.3
Cosoleacaque	2412.0	2405.0	477.6	-1.0	5.3	0.20	2453.0	2033.0	1792.0	1568.0	1283.0	1070.0	57.1	1041.0	109.8
Collaxtla	1143.0	1201.0	331.7	-1.2	4.8	0.29	1207.0	918.0	723.0	536.0	292.0	108.0	30.0	299.9	48.5
Coxquihui	1773.9	1682.5	355.1	1.1	5.1	0.20	1651.0	1493.0	1375.0	1210.0	884.0	609.0	10.5	1202.3	20.5
Coyutla	2414.8	2362.0	442.5	0.9	4.9	0.18	2312.0	1983.0	1739.0	1454.0	1016.0	664.0	5.5	1750.1	9.7
Cuichapa	1489.0	1490.9	240.2	-0.2	3.2	0.16	1476.0	1300.0	1200.0	1107.0	989.0	901.0	27.4	971.5	57.4
Cuixtlanhuac	1859.9	1888.3	353.2	-0.7	4.0	0.19	1898.0	1604.0	1421.0	1248.0	1025.0	859.0	32.5	988.6	58.3
Chacaltianguis	1417.1	1303.3	335.1	1.6	5.9	0.24	1294.0	1189.0	1119.0	1040.0	884.0	686.0	5.2	1056.3	17.5
Chalma	1379.9	1332.4	362.5	0.1	2.8	0.26	1327.0	1069.0	933.0	806.0	640.0	514.0	19.1	678.3	40.6
Chiconamel	1411.8	1298.1	348.8	0.6	3.1	0.25	1300.0	1126.0	1029.0	933.0	793.0	670.0	8.4	931.6	20.2
Chiconquiaco	1520.4	1461.7	287.9	0.2	2.7	0.19	1460.0	1271.0	1178.0	1090.0	971.0	875.0	13.9	1028.0	32.5
Chicontepec	1798.7	1555.8	685.9	2.0	8.1	0.38	1482.0	1216.0	941.0	382.0	0.0	0.0	2.3	1128.7	6.6
Chinameca	1758.1	1726.3	427.7	1.7	8.7	0.24	1443.4	1065.2	814.9	574.7	263.9	31.0	2.0	1229.1	3.3
Chinampa de Gorostiza	1543.7	1536.0	335.6	0.5	3.5	0.22	1526.0	1283.0	1111.0	927.0	647.0	402.0	9.7	989.0	15.9

Tabla C.229. Características estadísticas de la lluvia anual de cada municipio del estado de Veracruz. STN

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _o (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
Choapas, Las	2596.8	2609.1	586.2	-0.8	4.0	0.23	2662.0	2151.0	1833.0	1532.0	1145.0	856.0	33.4	1069.9	59.8
Chocomán	1848.0	1912.8	387.4	0.1	3.2	0.21	1844.0	1549.0	1365.0	1190.0	962.0	790.0	11.3	1180.3	20.8
Chontla	1543.7	1536.0	335.6	0.5	3.5	0.22	1526.0	1283.0	1111.0	927.0	647.0	402.0	9.7	989.0	15.9
Chumatlán	1403.2	1327.8	279.1	-1.1	5.0	0.20	1320.0	1183.0	1091.0	981.0	783.0	592.0	8.3	991.2	18.9
Emiliano Zapata	907.6	910.2	193.6	0.2	3.0	0.21	896.0	762.0	675.0	590.0	474.0	383.0	11.2	592.3	19.6
Espinal	1403.2	1327.8	279.1	1.1	5.0	0.20	1320.0	1183.0	1091.0	981.0	783.0	592.0	8.3	991.2	18.9
Filomeno Mata	2414.8	2362.0	442.5	0.9	4.9	0.18	2312.0	1983.0	1739.0	1454.0	1016.0	664.0	5.5	1750.1	9.7
Fortín	1689.2	1703.7	214.5	0.0	3.0	0.13	1695.0	1515.0	1400.0	1289.0	1146.0	1039.0	13.9	1262.4	23.8
Gutiérrez Zamora	1276.0	1206.2	265.6	1.5	7.1	0.21	1216.0	1084.0	983.0	852.0	591.0	356.0	5.7	942.2	12.7
Hidalgoitlán	2453.4	2564.4	634.4	-0.8	6.3	0.26	2467.0	1980.0	1661.0	1354.0	954.0	650.0	57.3	556.7	123.5
Huatusco	1911.3	1985.5	266.2	-1.3	5.6	0.14	1966.0	1733.0	1589.0	1406.0	1191.0	1027.0	43.6	1105.0	71.9
Huayacocotla	1377.0	1366.4	241.9	-0.1	2.4	0.18	1358.0	1165.0	1073.0	990.0	885.0	806.0	14.9	942.6	30.1
Hueyepan de Ocampo	1481.4	1469.3	294.4	-0.6	3.9	0.20	1506.0	1259.0	1103.0	955.0	764.0	621.0	31.5	742.3	55.5
Huiloapan de Cuauhtémoc	2180.6	2228.3	290.9	0.1	3.3	0.13	2199.0	1895.0	1798.0	1698.0	1540.0	1398.0	10.4	1690.7	21.0
Ignacio de la Llave	1345.2	1325.0	276.4	0.3	3.4	0.21	1291.0	1114.0	1010.0	906.0	755.0	628.0	12.7	863.1	26.3
Llamatlán	1377.0	1366.4	241.9	-0.1	2.4	0.18	1358.0	1165.0	1073.0	990.0	885.0	806.0	14.9	942.6	30.1
Isla	1210.0	1179.7	214.7	0.9	3.8	0.18	1157.0	1027.0	946.0	863.0	740.0	631.0	6.8	909.8	13.7
Ixcatepec	1543.7	1536.0	335.6	0.5	3.5	0.22	1526.0	1283.0	1111.0	927.0	647.0	402.0	9.7	989.0	15.9
Ixhuacán de los Reyes	2076.2	2102.9	412.5	-0.3	2.7	0.20	2098.0	1743.0	1535.0	1342.0	1095.0	911.0	17.9	1222.2	31.1
Ixhuatlán del Café	1911.3	1985.5	266.2	-1.3	5.6	0.14	1966.0	1733.0	1569.0	1406.0	1191.0	1027.0	43.6	1105.0	71.9
Ixhuatlancillo	1895.6	1911.3	281.3	-0.5	4.7	0.15	1905.0	1702.0	1572.0	1445.0	1278.0	1149.0	72.0	1077.5	146.3
Ixhuatlán del Sureste	2412.0	2405.0	477.6	-1.0	5.3	0.20	2453.0	2033.0	1792.0	1568.0	1283.0	1070.0	57.1	1041.0	109.8
Ixhuatlán de Madero	1512.8	1528.9	261.8	-0.2	3.2	0.17	1525.0	1311.0	1172.0	1035.0	852.0	710.0	16.6	962.9	28.7
Ixmiquilpan	1377.8	1309.3	291.9	0.0	2.9	0.21	1330.0	1138.0	1037.0	944.0	825.0	737.0	14.6	886.4	31.1
Ixtaczoquitlán	1936.1	1959.3	306.1	-1.7	8.9	0.16	1978.0	1727.0	1565.0	1410.0	1211.0	1061.0	118.6	873.3	239.1
Jalacingo	1393.9	1394.9	210.0	-0.7	4.0	0.15	1404.0	1240.0	1141.0	1048.0	928.0	839.0	46.7	847.5	93.5
Xalapa	1311.1	1310.1	225.5	-0.3	3.2	0.17	1145.2	945.9	813.9	687.3	521.5	400.7	7.5	775.3	12.3
Jaicomulco	989.0	969.5	211.1	1.7	7.2	0.21	946.0	830.0	739.0	619.0	374.0	145.0	7.5	680.7	14.5
Jáltipan	2118.8	2168.6	273.4	-0.9	4.1	0.13	2166.0	1893.0	1726.0	1570.0	1370.0	1221.0	29.6	1371.8	49.7
Jamapa	1377.4	1316.1	258.1	0.9	4.3	0.19	1309.0	1150.0	1050.0	934.0	739.0	569.0	7.3	992.6	14.3

Tabla C.229. Características estadísticas de la lluvia anual de cada municipio del estado de Veracruz.

Municipio	Estadísticos de la lluvia promedio municipal						Lámens de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Dev. Std.	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _a (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _{p min} (mm)	H _{p min}
Jesús Carranza	2229.4	2310.0	598.4	-0.2	6.7	0.27	2271.0	1828.0	1511.0	1167.0	607.0	40.0	32.4	556.7	53.6
Xico	1614.9	1591.9	272.7	0.3	2.6	0.17	1574.0	1367.0	1289.0	1213.0	1103.0	1006.0	15.4	1141.2	37.0
Jilotepec	1435.8	1426.3	276.0	0.2	3.6	0.19	1435.0	1259.0	1145.0	1033.0	881.0	762.0	37.0	816.0	73.3
Juan Rodríguez Clara	1233.3	1201.9	215.5	0.8	4.6	0.17	1225.0	1077.0	981.0	890.0	772.0	684.0	10.6	882.4	21.2
Juchique de Ferrer	1684.9	1678.3	351.3	1.3	6.5	0.21	1657.0	1424.0	1269.0	1113.0	896.0	713.0	8.8	1128.3	18.7
Landero y Coss	1520.4	1461.7	287.9	0.2	2.7	0.19	1460.0	1271.0	1178.0	1090.0	971.0	875.0	13.9	1028.0	32.5
Lerdo de Tejeda	2398.4	2223.3	603.9	0.3	2.4	0.25	2214.0	1858.0	1702.0	1557.0	1363.0	1209.0	9.0	1530.1	22.7
Magdalena	2504.5	2460.8	493.4	0.7	7.3	0.20	2491.0	2222.0	2036.0	1841.0	1535.0	1232.0	56.6	1202.0	106.2
Maltrata	684.5	670.9	146.8	0.5	4.0	0.21	656.0	560.0	499.0	433.0	329.0	239.0	19.2	367.8	36.3
Manlio Fabio Altamirano	1094.6	1105.3	242.7	0.0	3.5	0.22	1096.0	904.0	775.0	647.0	471.0	331.0	16.8	575.8	29.1
Mariano Escobedo	1895.6	1911.3	281.3	-0.5	4.7	0.15	1905.0	1702.0	1572.0	1445.0	1278.0	1149.0	72.0	1077.5	146.3
Martínez de la Torre	1454.1	1378.6	266.8	0.6	3.2	0.18	1375.0	1241.0	1163.0	1085.0	978.0	888.0	10.5	1053.4	26.5
Mecatlán	2383.8	2478.6	525.2	-0.1	3.9	0.22	2390.0	1922.0	1696.0	1436.0	1031.0	703.0	23.2	1118.0	41.4
Mecayapan	1758.1	1726.3	427.7	1.7	8.7	0.24	1443.4	1065.2	814.9	574.7	263.9	31.0	2.0	1229.1	3.3
Medellín	1513.5	1385.3	306.2	1.1	3.8	0.20	1376.0	1280.0	1213.0	1110.0	861.0	650.0	9.1	1112.1	19.8
Miahuatlán	1212.6	1207.8	283.3	-0.2	3.4	0.23	1227.0	992.0	845.0	706.0	526.0	392.0	14.8	659.5	25.3
Minas, Las	1179.3	1139.9	236.7	0.3	3.5	0.20	1149.0	1047.0	933.0	765.0	534.0	362.0	17.5	702.8	25.6
Minatitlán	2273.4	2377.0	504.8	-1.4	7.5	0.22	2352.0	1914.0	1624.0	1346.0	986.0	717.0	84.0	522.5	165.0
Misantla	1752.8	1700.0	313.0	0.4	3.1	0.18	1722.0	1495.0	1357.0	1223.0	1044.0	904.0	10.3	1234.1	18.9
Mixtla de Altamirano	1571.5	1635.5	375.1	-0.6	4.5	0.24	1646.0	1380.0	1138.0	864.0	493.0	212.0	19.9	714.1	29.0
Moloacán	2412.0	2405.0	477.6	-1.0	5.3	0.20	2453.0	2033.0	1792.0	1568.0	1283.0	1070.0	57.1	1041.0	109.8
Naolinco	745.8	678.6	222.9	1.5	6.9	0.30	668.0	562.0	477.0	350.0	107.0	0.0	8.6	388.0	16.8
Naranjal	2504.5	2460.8	493.4	0.7	7.3	0.20	2491.0	2222.0	2036.0	1841.0	1535.0	1232.0	56.6	1202.0	106.2
Nautla	1290.7	1277.6	287.7	1.1	8.3	0.22	1296.0	1077.0	930.0	785.0	586.0	423.0	19.6	622.9	42.4
Nogales	684.5	670.9	146.8	0.5	4.0	0.21	656.0	560.0	499.0	433.0	329.0	239.0	19.2	367.8	36.3
Oluta	2118.8	2188.6	273.4	-0.9	4.1	0.13	2166.0	1893.0	1726.0	1570.0	1370.0	1221.0	29.6	1371.8	49.7
Omealca	1859.9	1888.3	353.2	-0.7	4.0	0.19	1898.0	1604.0	1421.0	1248.0	1025.0	859.0	32.5	988.6	58.3
Orizaba	2180.6	2228.3	290.9	0.1	3.3	0.13	2199.0	1895.0	1798.0	1698.0	1540.0	1398.0	10.4	1690.7	21.0
Otatitlán	1908.2	1889.2	370.3	0.3	3.1	0.19	1886.0	1673.0	1540.0	1414.0	1253.0	1132.0	39.1	1146.3	92.3
Oteapan	1810.4	1843.9	324.5	1.2	7.5	0.18	1757.0	1458.0	1204.0	904.0	518.0	228.0	5.7	1256.9	8.9

Tabla C.229. Características estadísticas de la lluvia anual de cada municipio del estado de Veracruz.

Municipio	Estadísticos de la lluvia promedio municipal						Lamina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años) primer decil	lluvia mínima registrada Hp min(mm)	Tr(años) para Hp min
	Media	Mediana	Dev Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años			
	X _c (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)			
Ozuluama	1010.6	940.0	217.7	1.1	4.5	0.22	913.0	827.0	778.0	718.0	580.0	436.0	4.3	747.2	14.7
Pajapan	1758.1	1726.3	427.7	1.7	8.7	0.24	1443.4	1065.2	814.9	574.7	263.9	31.0	2.0	1229.1	3.3
Pánuco	989.3	913.4	215.8	1.2	5.1	0.22	894.0	799.0	733.0	641.0	453.0	290.0	3.3	747.2	8.7
Papantla	1270.9	1204.5	275.9	1.4	6.3	0.22	1191.0	1049.0	942.0	805.0	543.0	310.0	4.4	942.2	10.0
Paso del Macho	1884.6	1880.2	304.1	-0.6	3.4	0.16	1904.0	1644.0	1496.0	1358.0	1182.0	1051.0	29.3	1159.9	56.2
Paso de Ovejas	1059.0	1037.0	208.0	0.4	3.8	0.20	1024.0	896.0	812.0	719.0	575.0	449.0	18.4	636.2	34.6
Perla, La	1895.6	1911.3	281.3	-0.5	4.7	0.15	1905.0	1702.0	1572.0	1445.0	1278.0	1149.0	72.0	1077.5	146.3
Perote	1614.9	1591.9	272.7	0.3	2.6	0.17	1574.0	1367.0	1289.0	1213.0	1103.0	1006.0	15.4	1141.2	37.0
Platón Sanchez	1379.9	1332.4	362.5	0.1	2.8	0.26	1327.0	1069.0	933.0	806.0	640.0	514.0	19.1	678.3	40.6
Playa Vicente	1901.7	1921.0	323.0	-0.5	4.8	0.17	1908.0	1695.0	1634.0	1479.0	1235.0	1053.0	81.0	951.0	147.6
Poza Rica de Hidalgo	1241.3	1220.7	243.7	0.6	4.4	0.20	1213.0	1106.0	995.0	817.0	545.0	342.0	17.0	754.2	24.7
Vigas de Ramírez, Las	1179.3	1139.9	236.7	0.3	3.5	0.20	1149.0	1047.0	933.0	765.0	534.0	362.0	17.5	702.8	25.6
Pueblo Viejo	1330.8	1338.6	384.8	0.0	3.0	0.29	1337.0	1034.0	842.0	659.0	424.0	248.0	19.2	517.4	34.6
Puente Nacional	1001.0	979.0	280.9	-0.2	2.9	0.28	991.0	770.0	645.0	529.0	380.0	270.0	16.4	457.9	30.9
Rafael Delgado	1524.4	1546.7	339.1	0.2	4.5	0.22	1527.0	1293.0	1136.0	978.0	758.0	576.0	16.4	873.3	31.2
Rafael Lucio	1435.8	1426.3	276.0	0.2	3.6	0.19	1435.0	1259.0	1145.0	1033.0	881.0	762.0	37.0	816.0	73.3
Reyes, Los	684.5	670.9	146.8	0.5	4.0	0.21	656.0	560.0	499.0	433.0	329.0	239.0	19.2	367.8	36.3
Río Blanco	2180.6	2228.3	290.9	0.1	3.3	0.13	2199.0	1895.0	1798.0	1698.0	1540.0	1398.0	10.4	1690.7	21.0
Saltabarranca	2398.4	2223.3	603.9	0.3	2.4	0.25	2214.0	1858.0	1702.0	1557.0	1363.0	1209.0	9.0	1530.1	22.7
San Andrés Tenejapan	2504.5	2460.8	493.4	0.7	7.3	0.20	2491.0	2222.0	2036.0	1841.0	1635.0	1232.0	56.6	1202.0	106.2
San Andrés Tuxtla	2669.8	2692.1	599.4	-0.4	2.7	0.22	2728.0	2190.0	1869.0	1568.0	1182.0	894.0	12.8	1550.1	20.8
San Juan Evangelista	1627.0	1530.3	325.0	0.7	3.2	0.20	1528.0	1375.0	1288.0	1198.0	1061.0	932.0	11.7	1147.0	28.7
Santiago Tuxtla	2779.7	2817.8	641.7	0.2	4.0	0.23	2732.0	2243.0	1887.0	1501.0	929.0	456.0	13.6	1452.9	21.7
Saluya de Alemán	2453.4	2564.4	634.4	-0.8	6.3	0.26	2467.0	1980.0	1661.0	1354.0	954.0	650.0	57.3	556.7	123.5
Soconusco	1758.1	1726.3	427.7	1.7	8.7	0.24	1443.4	1065.2	814.9	574.7	263.9	31.0	2.0	1229.1	3.3
Sochiapa	1911.3	1985.5	266.2	-1.3	5.6	0.14	1966.0	1733.0	1569.0	1406.0	1191.0	1027.0	43.6	1105.0	71.9
Soledad Atzompa	684.5	670.9	146.8	0.5	4.0	0.21	656.0	560.0	499.0	433.0	329.0	239.0	19.2	367.8	36.3
Soledad de Doblado	1091.3	1053.2	258.2	0.8	4.2	0.24	1057.0	898.0	797.0	699.0	571.0	473.0	13.0	651.6	28.1
Soteapan	2691.3	2719.4	446.4	0.7	5.9	0.17	2691.0	2299.0	2012.0	1691.0	1140.0	574.0	11.9	1697.9	19.7
Tamalín	987.1	908.7	216.9	1.2	5.1	0.22	892.0	799.0	734.0	641.0	448.0	284.0	3.3	747.2	8.8

Tabla C.229. Características estadísticas de la lluvia anual de cada municipio del estado de Veracruz.

Municipio	Estadísticos de la lluvia promedio municipal				Lámina de lluvia mínima anual de diferentes períodos de retorno (Tr)								Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	$X_p(mm)$	(mm)	$S(mm)$	g	k	Cv	$H_p(mm)$	$H_p(mm)$	$H_p(mm)$	$H_p(mm)$	$H_p(mm)$	$H_p(mm)$	decil	$H_p \text{ min}(mm)$	$H_p \text{ min}$
Tamiahua	1426.3	1359.1	302.4	1.4	6.2	0.21	1325.0	1156.0	1030.0	863.0	561.0	311.0	5.1	1015.8	10.7
Tampico Alto	987.1	908.7	216.9	1.2	5.1	0.22	892.0	799.0	734.0	641.0	448.0	284.0	3.3	747.2	8.8
Tancoco	1543.7	1536.0	335.6	0.5	3.5	0.22	1526.0	1283.0	1111.0	927.0	647.0	402.0	9.7	989.0	15.9
Tantima	1575.5	1553.4	386.1	0.6	4.4	0.25	1572.0	1386.0	960.0	563.0	57.0	0.0	7.7	952.1	10.1
Tantoyuca	1122.2	1112.8	271.6	0.3	3.1	0.24	1078.0	913.0	818.0	727.0	611.0	523.0	21.0	613.3	49.1
Tatahila	1179.3	1139.9	236.7	0.3	3.5	0.20	1149.0	1047.0	933.0	765.0	534.0	362.0	17.5	702.8	25.6
Castillo de Teayo	1232.9	1146.8	210.0	0.3	2.9	0.17	1151.0	1061.0	1015.0	973.0	919.0	879.0	18.9	909.5	59.0
Tecolutla	1276.0	1206.2	265.6	1.5	7.1	0.21	1216.0	1084.0	983.0	852.0	591.0	356.0	5.7	942.2	12.7
Tehuipango	1571.5	1635.5	375.1	-0.6	4.5	0.24	1646.0	1380.0	1138.0	864.0	493.0	212.0	19.9	714.1	29.0
Temapache	1235.8	1282.6	260.5	-0.6	4.0	0.21	1256.0	1026.0	961.0	877.0	720.0	590.0	71.6	538.5	131.0
Tempoal	1115.1	1089.5	284.2	0.6	3.7	0.25	1065.0	902.0	802.0	705.0	573.0	467.0	17.0	613.3	37.9
Tenampa	1755.4	1774.2	277.4	-0.2	2.9	0.16	1760.0	1522.0	1412.0	1311.0	1184.0	1090.0	38.9	1109.8	86.3
Tenochtitlán	1548.7	1455.9	312.6	0.8	4.1	0.20	1456.0	1308.0	1212.0	1101.0	904.0	712.0	12.8	1040.3	27.5
Teocelo	2025.2	2055.8	373.4	-0.9	7.7	0.18	2049.0	1827.0	1670.0	1501.0	1242.0	1011.0	110.6	761.5	196.3
Tepatlixco	2564.9	2611.9	486.9	-0.7	4.6	0.19	2612.0	2210.0	1966.0	1738.0	1446.0	1228.0	20.1	1569.0	33.9
Tepetlán	745.8	678.5	222.9	1.5	6.9	0.30	688.0	562.0	477.0	350.0	107.0	0.0	8.6	388.0	16.8
Tepetzintla	1543.7	1536.0	335.6	0.5	3.5	0.22	1526.0	1283.0	1111.0	927.0	647.0	402.0	9.7	989.0	15.9
Tequila	684.5	670.9	146.8	0.5	4.0	0.21	656.0	560.0	499.0	433.0	329.0	239.0	19.2	367.8	36.3
José Azueta	1511.5	1419.6	302.9	1.4	5.4	0.20	1331.0	1263.0	1212.0	1090.0	792.0	566.0	2.3	1202.6	11.0
Texcatepec	1377.0	1366.4	241.9	-0.1	2.4	0.18	1358.0	1165.0	1073.0	990.0	885.0	806.0	14.9	942.6	30.1
Texhuacán	1571.5	1635.5	375.1	-0.6	4.5	0.24	1646.0	1380.0	1138.0	864.0	493.0	212.0	19.9	714.1	29.0
Texistepec	2118.8	2188.6	273.4	-0.9	4.1	0.13	2166.0	1893.0	1726.0	1570.0	1370.0	1221.0	29.6	1371.8	49.7
Tezonapa	2041.1	2057.3	419.5	-0.5	5.1	0.21	2091.0	1792.0	1588.0	1383.0	1096.0	854.0	37.5	988.6	68.6
Tierra Blanca	1315.3	1284.3	244.4	0.8	4.5	0.19	1311.0	1124.0	1003.0	888.0	738.0	626.0	9.0	912.0	17.3
Tihuatlán	1290.8	1227.6	234.2	0.4	2.8	0.18	1230.0	1105.0	1034.0	968.0	882.0	818.0	27.4	845.5	74.3
Tlacojapan	1759.2	1712.7	377.4	-0.2	4.8	0.21	1481.4	1147.7	926.8	714.9	440.5	235.0	12.0	693.3	21.5
Tlacolulan	1028.7	1014.6	219.3	-0.1	3.8	0.21	1016.0	858.0	753.0	643.0	488.0	363.0	22.6	524.8	40.6
Tlacotalpan	1641.9	1563.3	404.9	0.6	3.8	0.25	1578.0	1356.0	1218.0	1088.0	919.0	794.0	30.4	844.5	75.5
Tlacotepec de Mejía	1631.7	1665.9	245.6	-0.9	5.3	0.15	1658.0	1477.0	1352.0	1223.0	1045.0	906.0	63.4	878.0	114.7
Tlachichilco	1736.7	1712.4	283.2	-0.2	3.6	0.16	1709.0	1576.0	1454.0	1285.0	1043.0	860.0	22.7	1135.1	35.3

Tabla C.229. Características estadísticas de la lluvia anual de cada municipio del estado de Veracruz. MsT

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes períodos de retorno (Tr)						Tr(años) primer	lluvia mínima registrada	Tr(años) para
	Media	Mediana	Desv. Std.	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años			
	$X_p(\text{mm})$	(mm)	S(mm)	g	k	Cv	$H_p(\text{mm})$	$H_p(\text{mm})$	$H_p(\text{mm})$	$H_p(\text{mm})$	$H_p(\text{mm})$	$H_p(\text{mm})$			
Tlaxiucoyan	1342.5	1353.2	174.7	0.1	2.5	0.13	1340.0	1194.0	1109.0	1028.0	926.0	849.0	8.4	1073.0	13.5
Tlalnahuayocan	1435.8	1426.3	276.0	0.2	3.6	0.19	1435.0	1259.0	1145.0	1033.0	881.0	762.0	37.0	816.0	73.3
Tiapacoyan	1648.1	1536.8	326.9	0.5	3.6	0.20	1407.5	1118.5	927.1	743.6	506.0	328.0	3.7	1061.0	6.1
Tlaquilpan	684.5	670.9	146.8	0.5	4.0	0.21	656.0	560.0	499.0	433.0	329.0	239.0	19.2	367.8	36.3
Tilapan	2504.5	2460.8	493.4	0.7	7.3	0.20	2491.0	2222.0	2036.0	1841.0	1535.0	1232.0	56.6	1202.0	106.2
Tomatlán	1895.6	1911.3	281.3	-0.5	4.7	0.15	1905.0	1702.0	1572.0	1445.0	1278.0	1149.0	72.0	1077.5	146.3
Tonayán	1212.6	1207.8	283.3	-0.2	3.4	0.23	1227.0	992.0	845.0	706.0	526.0	392.0	14.8	659.5	25.3
Totutla	1755.4	1774.2	277.4	-0.2	2.9	0.16	1760.0	1522.0	1412.0	1311.0	1184.0	1090.0	38.9	1109.8	86.3
Tuxpan	1431.1	1349.1	305.3	1.3	5.9	0.21	1332.0	1177.0	1064.0	916.0	633.0	388.0	5.8	1015.8	12.9
Tuxtilla	1759.2	1712.7	377.4	-0.2	4.8	0.21	1481.4	1147.7	926.8	714.9	440.5	235.0	12.0	693.3	21.5
Ursulo Galván	918.4	886.5	183.7	0.2	2.9	0.20	897.0	776.0	704.0	636.0	548.0	482.0	13.1	610.3	26.2
Vega de Alatorre	1343.6	1323.7	379.9	0.1	3.1	0.28	1325.0	1081.0	929.0	785.0	601.0	462.0	35.3	517.4	75.9
Veracruz	1039.9	982.7	221.3	0.3	3.3	0.21	989.0	870.0	798.0	724.0	615.0	519.0	19.8	631.7	43.9
Villa Aldama	1179.3	1139.9	236.7	0.3	3.5	0.20	1149.0	1047.0	933.0	765.0	534.0	362.0	17.5	702.8	25.6
Xoxocotla	684.5	670.9	146.8	0.5	4.0	0.21	656.0	560.0	499.0	433.0	329.0	239.0	19.2	367.8	36.3
Yanga	1641.9	1645.7	231.7	0.2	2.5	0.14	1628.0	1457.0	1353.0	1256.0	1130.0	1037.0	9.8	1276.6	17.2
Yecuatla	1538.5	1474.3	352.2	1.2	6.0	0.23	1440.0	1232.0	1064.0	830.0	449.0	152.0	5.8	1036.6	11.0
Zacualpan	1377.0	1366.4	241.9	-0.1	2.4	0.18	1358.0	1165.0	1073.0	990.0	885.0	806.0	14.9	942.6	30.1
Zaragoza	2412.0	2405.0	477.6	-1.0	5.3	0.20	2453.0	2033.0	1792.0	1568.0	1283.0	1070.0	57.1	1041.0	109.8
Zentla	1902.0	1913.2	291.9	-0.7	4.1	0.15	1930.0	1687.0	1534.0	1389.0	1203.0	1063.0	33.2	1159.9	61.9
Zongolica	1859.9	1888.3	353.2	-0.7	4.0	0.19	1898.0	1604.0	1421.0	1248.0	1025.0	859.0	32.5	988.6	58.3
Zontecomatlán	1377.0	1366.4	241.9	-0.1	2.4	0.18	1358.0	1165.0	1073.0	990.0	885.0	806.0	14.9	942.6	30.1
Zozocolco de Hidalgo	1654.0	1575.3	312.4	1.1	5.1	0.19	1546.0	1375.0	1256.0	1103.0	922.0	583.0	5.5	1221.7	11.9
Agua Dulce	2412.0	2405.0	477.6	-1.0	5.3	0.20	2453.0	2033.0	1792.0	1568.0	1283.0	1070.0	57.1	1041.0	109.8
Higo, El	998.0	964.5	276.8	0.8	4.0	0.28	977.0	830.0	736.0	647.0	533.0	447.0	20.2	536.3	48.7
Nanchital de Lázaro Cárdenas	2412.0	2405.0	477.6	-1.0	5.3	0.20	2453.0	2033.0	1792.0	1568.0	1283.0	1070.0	57.1	1041.0	109.8
Tres Valles	1418.1	1427.7	384.4	0.0	2.6	0.27	1381.0	1101.0	943.0	796.0	609.0	470.0	17.8	686.4	34.1
Estatad	1510.4	1486.9	157.5	0.4	3.9	0.10	1484.0	1402.0	1318.0	1201.0	1040.0	919.0	10.6	1240.0	16.0

Tabla C.229. Características estadísticas de la lluvia anual de cada municipio del estado de Veracruz.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Acajete	635.0	745.2	855.3	965.5	1075.7	1185.9	1296.1	1406.2	1516.4	1626.6	3.3	0.0	6.6	16.6	16.6	26.6	10.0	10.0	3.3	6.6
Acatlán	1136.7	1245.3	1354.0	1462.6	1571.3	1679.9	1788.6	1897.2	2005.9	2114.5	11.5	3.8	19.2	15.3	7.6	7.6	11.5	15.3	3.8	3.8
Acayucan	1322.2	1446.9	1571.6	1696.3	1821.0	1945.7	2070.4	2195.1	2319.8	2444.5	20.8	16.6	4.1	25.0	16.6	4.1	0.0	8.3	0.0	4.1
Actopan	641.5	710.8	780.0	849.3	918.6	987.9	1057.2	1126.4	1195.7	1265.0	6.6	10.0	6.6	23.3	13.3	10.0	10.0	3.3	3.3	13.3
Acuña	773.9	937.4	1101.0	1264.5	1428.1	1591.7	1755.2	1918.8	2082.3	2245.9	10.0	0.0	10.0	25.0	15.0	20.0	5.0	10.0	0.0	5.0
Acultzingo	583.8	662.8	741.9	820.9	899.9	978.9	1057.9	1137.0	1216.0	1295.0	4.1	20.8	12.5	12.5	12.5	16.6	8.3	4.1	4.1	4.1
Camarón de Tejedá	1020.2	1181.3	1342.4	1503.5	1664.6	1825.6	1986.7	2147.8	2308.9	2470.0	10.0	6.6	16.6	20.0	16.6	13.3	3.3	10.0	0.0	3.3
Alpatláhuac	1210.9	1344.2	1477.6	1610.9	1744.3	1877.6	2010.9	2144.3	2277.6	2411.0	3.3	0.0	0.0	10.0	16.6	16.6	20.0	16.6	6.6	10.0
Alto Lucero de Gutiérrez Barrios	1182.0	1338.3	1494.7	1651.0	1807.3	1963.6	2119.9	2276.3	2432.6	2588.9	21.0	10.5	31.5	26.3	0.0	0.0	0.0	5.2	0.0	5.2
Altolonga	1174.9	1309.5	1444.2	1578.8	1713.5	1848.1	1982.7	2117.3	2252.0	2386.6	10.0	13.3	23.3	16.6	6.6	20.0	0.0	3.3	3.3	3.3
Alvarado	1173.6	1300.2	1426.9	1553.5	1680.2	1806.8	1933.5	2060.1	2186.8	2313.4	13.0	0.0	13.0	4.3	8.6	8.6	30.4	8.6	8.6	4.3
Amatitlán	773.9	937.4	1101.0	1264.5	1428.1	1591.7	1755.2	1918.8	2082.3	2245.9	10.0	0.0	10.0	25.0	15.0	20.0	5.0	10.0	0.0	5.0
Naranjos Amatitlán a/	1117.6	1246.1	1374.7	1503.2	1631.8	1760.3	1888.9	2017.4	2146.0	2274.5	10.7	3.5	17.8	14.2	17.8	14.2	7.1	3.5	0.0	10.7
Amatlán de Los Reyes	1356.0	1435.4	1514.8	1594.2	1673.6	1752.9	1832.3	1911.7	1991.1	2070.5	10.0	16.6	6.6	10.0	13.3	16.6	3.3	6.6	10.0	6.6
Angel R. Cabada	1725.0	1919.9	2114.9	2309.8	2504.7	2699.6	2894.5	3089.5	3284.4	3479.3	12.0	12.0	20.0	8.0	4.0	4.0	16.0	8.0	8.0	8.0
Antigua, La	889.5	1013.4	1137.3	1261.2	1385.2	1509.1	1633.0	1756.9	1880.8	2004.7	10.3	17.2	24.1	24.1	6.8	10.3	3.4	0.0	0.0	3.4
Apazapan	779.0	877.2	975.5	1073.7	1172.0	1270.3	1368.5	1466.8	1565.0	1663.3	10.0	16.6	23.3	30.0	6.6	6.6	0.0	0.0	3.3	3.3
Aquila	437.1	506.3	575.6	644.9	714.2	783.4	852.7	922.0	991.2	1060.5	3.3	0.0	20.0	16.6	20.0	16.6	13.3	3.3	3.3	3.3
Astancinga	437.1	506.3	575.6	644.9	714.2	783.4	852.7	922.0	991.2	1060.5	3.3	0.0	20.0	16.6	20.0	16.6	13.3	3.3	3.3	3.3
Atlahuilco	437.1	506.3	575.6	644.9	714.2	783.4	852.7	922.0	991.2	1060.5	3.3	0.0	20.0	16.6	20.0	16.6	13.3	3.3	3.3	3.3
Atoyac	1356.0	1435.4	1514.8	1594.2	1673.6	1752.9	1832.3	1911.7	1991.1	2070.5	10.0	16.6	6.6	10.0	13.3	16.6	3.3	6.6	10.0	6.6
Atzacan	1024.2	1175.1	1325.9	1476.8	1627.7	1778.6	1929.5	2080.3	2231.2	2382.1	4.0	0.0	0.0	0.0	4.0	16.0	12.0	36.0	16.0	12.0
Atzacan	1202.5	1344.0	1485.4	1626.9	1768.4	1909.9	2051.4	2192.8	2334.3	2475.8	10.0	0.0	16.6	30.0	10.0	13.3	10.0	3.3	3.3	3.3
Tlaltetela	1193.9	1283.0	1372.1	1461.2	1550.3	1639.3	1728.4	1817.5	1906.6	1995.7	10.0	10.0	10.0	10.0	16.6	10.0	13.3	3.3	13.3	3.3
Ayahualulco	1371.9	1521.5	1671.2	1820.9	1970.6	2120.2	2269.9	2419.6	2569.2	2718.9	3.3	10.0	3.3	10.0	10.0	16.6	13.3	10.0	10.0	13.3
Banderilla	779.3	874.5	969.8	1065.0	1160.2	1255.4	1350.6	1445.9	1541.1	1636.3	11.1	3.7	11.1	7.4	22.2	11.1	7.4	11.1	3.7	11.1
Benito Juárez	1210.3	1309.5	1408.6	1507.7	1606.9	1706.0	1805.1	1904.2	2003.4	2102.5	10.0	6.6	10.0	10.0	16.6	33.3	0.0	3.3	3.3	6.6
Boca del Río	1096.3	1199.9	1303.6	1407.2	1510.9	1614.5	1718.2	1821.8	1925.5	2029.1	13.3	13.3	13.3	16.6	23.3	6.6	3.3	3.3	0.0	6.6
Calchahuaco	1210.9	1344.2	1477.6	1610.9	1744.3	1877.6	2010.9	2144.3	2277.6	2411.0	3.3	0.0	0.0	10.0	16.6	16.6	20.0	16.6	6.6	10.0
Camerino Z. Mendoza	491.0	572.9	654.9	736.8	818.8	900.7	982.7	1064.6	1146.6	1228.5	3.3	13.3	20.0	16.6	20.0	6.6	16.6	0.0	0.0	3.3

Tabla C.230. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Veracruz.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Carrillo Puerto	1129.4	1270.2	1411.1	1551.9	1692.7	1833.5	1974.3	2115.2	2256.0	2396.8	4.1	0.0	2.5	0.0	8.3	20.8	16.6	12.5	12.5	12.5
Catemaco	1936.9	2176.0	2415.0	2654.1	2893.1	3132.1	3371.2	3610.2	3849.3	4088.3	3.3	6.6	20.0	16.6	23.3	20.0	6.6	0.0	0.0	3.3
Cazones de Herrera	938.5	1031.6	1124.6	1217.6	1310.7	1403.7	1496.7	1589.7	1682.8	1775.8	3.3	6.6	3.3	23.3	16.6	3.3	10.0	10.0	6.6	6.6
Cerro Azul	1117.6	1246.1	1374.7	1503.2	1631.8	1760.3	1888.9	2017.4	2146.0	2274.5	10.7	3.5	7.8	14.2	17.8	14.2	7.1	3.5	0.0	10.7
Citlaltépec	1117.6	1246.1	1374.7	1503.2	1631.8	1760.3	1888.9	2017.4	2146.0	2274.5	10.7	3.5	7.8	14.2	17.8	14.2	7.1	3.5	0.0	10.7
Coacoatzintla	1081.0	1215.6	1350.1	1484.7	1619.3	1753.9	1888.5	2023.0	2157.6	2292.2	8.3	33.3	25.0	20.8	4.1	0.0	0.0	0.0	4.1	4.1
Coahuatlán	1951.7	2153.3	2354.9	2556.5	2758.1	2959.7	3161.3	3362.9	3564.5	3766.1	16.6	16.6	16.6	16.6	13.3	13.3	3.3	0.0	0.0	3.3
Coatepec	1170.4	1251.0	1331.6	1412.2	1492.8	1573.4	1654.0	1734.6	1815.2	1895.8	10.3	13.7	10.3	17.2	10.3	6.8	6.8	13.7	3.4	6.8
Coatzacoalcos	1241.4	1441.9	1642.3	1842.7	2043.2	2243.6	2444.0	2644.4	2844.8	3045.3	4.3	0.0	0.0	4.3	8.6	17.3	17.3	8.6	17.3	21.7
Coatzintla	863.5	972.8	1082.1	1191.4	1300.7	1410.0	1519.3	1628.6	1737.9	1847.2	6.6	6.6	6.6	26.6	26.6	3.3	10.0	6.6	0.0	6.6
Coetzala	1486.3	1770.5	2054.8	2339.0	2623.3	2907.5	3191.8	3476.0	3760.3	4044.5	3.3	0.0	3.3	20.0	40.0	23.3	3.3	3.3	0.0	3.3
Colipa	670.1	822.9	975.6	1128.4	1281.1	1433.8	1586.6	1739.3	1892.1	2044.8	3.4	3.4	13.7	6.8	13.7	24.1	13.7	0.0	10.3	10.3
Comapa	1020.2	1181.3	1342.4	1503.5	1664.6	1825.6	1986.7	2147.8	2308.9	2470.0	10.0	6.6	16.6	20.0	16.6	13.3	3.3	10.0	0.0	3.3
Córdoba	1347.1	1431.8	1516.5	1601.2	1686.0	1770.7	1855.4	1940.1	2024.8	2109.5	3.3	13.3	6.6	6.6	10.0	30.0	10.0	0.0	0.0	10.0
Cosamaloapan	1439.6	1578.2	1716.9	1855.5	1994.2	2132.8	2271.5	2410.1	2548.8	2687.4	28.0	20.0	15.0	16.0	8.0	8.0	0.0	0.0	0.0	4.0
Cosautlán de Carvajal	1218.6	1327.4	1436.1	1544.9	1653.7	1762.5	1871.3	1980.0	2088.8	2197.6	3.3	0.0	10.0	13.3	10.0	13.3	10.0	16.6	10.0	13.3
Coscomatepec	1210.9	1344.2	1477.6	1610.9	1744.3	1877.6	2010.9	2144.3	2277.6	2411.0	3.3	0.0	0.0	10.0	16.6	16.6	20.0	16.6	6.6	10.0
Cosoleacaque	1241.4	1441.9	1642.3	1842.7	2043.2	2243.6	2444.0	2644.4	2844.8	3045.3	4.3	0.0	0.0	4.3	8.6	17.3	17.3	8.6	17.3	21.7
Cotlixtlá	427.3	554.7	682.1	809.5	936.9	1064.3	1191.7	1319.1	1446.5	1573.9	6.8	0.0	3.4	3.4	3.4	13.7	17.2	20.6	17.2	13.7
Coxquihui	1364.7	1527.1	1689.6	1852.0	2014.4	2176.8	2339.2	2501.7	2664.1	2826.5	6.6	16.6	30.0	13.3	6.6	16.6	3.3	0.0	3.3	3.3
Coyutla	1951.7	2153.3	2354.9	2556.5	2758.1	2959.7	3161.3	3362.9	3564.5	3766.1	16.6	16.6	16.6	16.6	13.3	13.3	3.3	0.0	0.0	3.3
Cuichapa	1066.4	1161.3	1256.2	1351.1	1446.0	1540.9	1635.8	1730.7	1825.6	1920.5	4.1	4.1	8.3	8.3	20.8	12.5	8.3	12.5	16.6	4.1
Cuilláhuac	1129.4	1270.2	1411.1	1551.9	1692.7	1833.5	1974.3	2115.2	2256.0	2396.8	4.1	0.0	12.5	0.0	8.3	20.8	16.6	12.5	12.5	12.5
Chacaltianguis	1186.2	1316.0	1445.9	1575.7	1705.6	1835.5	1965.3	2095.2	2225.0	2354.9	17.3	34.7	17.3	8.6	8.6	0.0	0.0	8.6	0.0	4.3
Chalma	813.8	949.3	1084.7	1220.2	1355.7	1491.2	1626.7	1762.1	1897.6	2033.1	4.1	4.1	12.5	16.6	16.6	8.3	4.1	20.8	4.1	8.3
Chiconamel	1053.1	1174.6	1296.0	1417.5	1539.0	1660.5	1782.0	1903.4	2024.9	2146.4	16.6	4.1	29.1	8.3	8.3	12.5	4.1	4.1	4.1	8.3
Chiconquiaco	1136.7	1245.3	1354.0	1462.6	1571.3	1679.9	1788.6	1897.2	2005.9	2114.5	11.5	3.8	19.2	15.3	7.6	7.6	11.5	15.3	3.8	3.8
Chicontepec	1432.1	1735.6	2039.0	2342.4	2645.9	2949.3	3252.7	3556.1	3859.6	4163.0	37.9	13.7	31.0	3.4	3.4	0.0	6.8	0.0	0.0	3.4
Chinameca	1438.7	1648.4	1858.0	2067.7	2277.3	2486.9	2696.6	2906.2	3115.9	3325.5	30.0	6.6	30.0	20.0	6.6	3.3	0.0	0.0	0.0	3.3
Chinampa de Gorostiza	1117.6	1246.1	1374.7	1503.2	1631.8	1760.3	1888.9	2017.4	2146.0	2274.5	10.7	3.5	11.8	14.2	17.8	14.2	7.1	3.5	0.0	10.7

Tabla C.230. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Veracruz.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Choapas, Las	1313.9	1557.9	1801.9	2045.9	2289.9	2533.8	2777.8	3021.8	3265.8	3509.8	3.7	3.7	3.7	3.7	7.4	14.8	22.2	14.8	11.1	14.8
Chocomán	1333.3	1486.2	1639.2	1792.1	1945.1	2098.0	2251.0	2403.9	2556.8	2709.8	12.0	8.0	12.0	8.0	24.0	16.0	0.0	16.0	0.0	4.0
Chontla	1117.6	1246.1	1374.7	1503.2	1631.8	1760.3	1888.9	2017.4	2146.0	2274.5	10.7	3.5	17.8	14.2	17.8	14.2	7.1	3.5	0.0	10.7
Chumatlán	1115.9	1240.6	1365.3	1490.0	1614.8	1739.5	1864.2	1988.9	2113.6	2238.3	10.0	13.3	33.3	13.3	10.0	6.6	6.6	3.3	0.0	3.3
Emiliano Zapata	661.4	730.5	799.6	868.7	937.9	1007.0	1076.1	1145.2	1214.3	1283.4	14.8	7.4	3.7	14.8	22.2	11.1	7.4	0.0	11.1	7.4
Espinal	1115.9	1240.6	1365.3	1490.0	1614.8	1739.5	1864.2	1988.9	2113.6	2238.3	10.0	13.3	33.3	13.3	10.0	6.6	6.6	3.3	0.0	3.3
Filomeno Mata	1951.7	2153.3	2354.9	2556.5	2758.1	2959.7	3161.3	3362.9	3564.5	3766.1	16.6	16.6	16.6	16.6	13.3	13.3	3.3	0.0	0.0	3.3
Fortín	1347.1	1431.8	1516.5	1601.2	1686.0	1770.7	1855.4	1940.1	2024.8	2109.5	3.3	13.3	6.6	6.6	10.0	30.0	10.0	10.0	0.0	10.0
Gutiérrez Zamora	1066.6	1191.0	1315.4	1439.8	1564.2	1688.5	1812.9	1937.3	2061.7	2186.1	16.6	26.6	23.3	13.3	6.6	6.6	3.3	0.0	0.0	3.3
Hidalgotitán	893.8	1230.8	1567.9	1904.9	2242.0	2579.0	2916.1	3253.1	3590.2	3927.2	3.4	3.4	0.0	6.8	10.3	27.5	31.0	10.3	3.4	3.4
Huatusco	1223.1	1341.2	1459.3	1577.4	1695.5	1813.7	1931.8	2049.9	2168.0	2286.1	3.3	3.3	0.0	3.3	6.6	6.6	23.3	26.6	16.6	10.0
Huayacocotla	1024.9	1107.2	1189.5	1271.8	1354.1	1436.3	1518.6	1600.9	1683.2	1765.5	10.3	3.4	10.3	10.3	13.7	6.8	10.3	13.7	6.8	13.7
Hueypan de Ocampo	859.5	976.7	1093.9	1211.1	1328.3	1445.4	1562.6	1679.8	1797.0	1914.2	4.1	0.0	4.1	12.5	4.1	20.8	8.3	16.6	12.5	16.6
Huicoapan de Cuauhtémoc	1792.5	1894.4	1996.2	2098.0	2199.9	2301.7	2403.5	2505.3	2607.2	2709.0	6.2	12.5	12.5	6.2	6.2	25.0	12.5	0.0	12.5	6.2
Ignacio de la Llave	974.6	1086.1	1197.6	1309.1	1420.6	1532.1	1643.6	1755.1	1866.6	1978.1	8.6	4.3	17.3	17.3	13.0	8.6	17.3	8.6	0.0	4.3
Ltamatlán	1024.9	1107.2	1189.5	1271.8	1354.1	1436.3	1518.6	1600.9	1683.2	1765.5	10.3	3.4	10.3	10.3	13.7	6.8	10.3	13.7	6.8	13.7
Isla	990.6	1071.4	1152.2	1233.0	1313.8	1394.6	1475.4	1556.2	1637.0	1717.8	16.0	20.0	12.0	16.0	12.0	4.0	8.0	4.0	0.0	8.0
Ixcatepec	1117.6	1246.1	1374.7	1503.2	1631.8	1760.3	1888.9	2017.4	2146.0	2274.5	10.7	3.5	17.8	14.2	17.8	14.2	7.1	3.5	0.0	10.7
Ixhuacán de los Reyes	1371.9	1521.5	1671.2	1820.9	1970.6	2120.2	2269.9	2419.6	2569.2	2718.9	3.3	10.0	3.3	10.0	10.0	16.6	13.3	10.0	10.0	13.3
Ixhuatlán del Café	1223.1	1341.2	1459.3	1577.4	1695.5	1813.7	1931.8	2049.9	2168.0	2286.1	3.3	3.3	0.0	3.3	6.6	6.6	23.3	26.6	16.6	10.0
Ixhuatlancillo	1210.9	1344.2	1477.6	1610.9	1744.3	1877.6	2010.9	2144.3	2277.6	2411.0	3.3	0.0	0.0	10.0	16.6	16.6	20.0	16.6	6.6	10.0
Ixhuatlán del Sureste	1241.4	1441.9	1642.3	1842.7	2043.2	2243.6	2444.0	2644.4	2844.9	3045.3	4.3	0.0	0.0	4.3	8.6	17.3	17.3	8.6	17.3	21.7
Ixhuatlán de Madero	1071.8	1180.6	1289.5	1398.4	1507.3	1616.1	1725.0	1833.9	1942.7	2051.6	6.6	3.3	13.3	3.3	20.0	16.6	16.6	6.6	10.0	3.3
Ixmiquilpan	985.3	1084.2	1183.1	1282.0	1380.9	1479.7	1578.6	1677.5	1776.4	1875.3	11.1	5.5	5.5	22.2	11.1	5.5	5.5	11.1	16.6	5.5
Ixtaczoquitlán	1024.2	1175.1	1325.9	1476.8	1627.7	1778.6	1929.5	2080.3	2231.2	2382.1	4.0	0.0	0.0	0.0	4.0	16.0	12.0	36.0	16.0	12.0
Jalacingo	936.8	1026.1	1115.4	1204.7	1294.1	1383.4	1472.7	1562.0	1651.3	1740.6	3.3	3.3	0.0	13.3	3.3	26.6	13.3	13.3	10.0	13.3
Xalapa	866.6	957.8	1049.1	1140.3	1231.6	1322.8	1414.1	1505.3	1596.6	1687.8	3.4	0.0	13.7	6.8	6.8	20.6	17.2	13.7	3.4	13.7
Jacomulco	779.0	877.2	975.5	1073.7	1172.0	1270.3	1368.5	1466.8	1565.0	1663.3	10.0	16.6	23.3	30.0	6.6	6.6	0.0	0.0	3.3	3.3
Jáltipan	1484.4	1597.0	1709.5	1822.1	1934.7	2047.3	2159.9	2272.4	2385.0	2497.6	3.4	0.0	3.4	10.3	3.4	17.2	6.8	20.6	17.2	17.2
Jamapa	1096.3	1199.9	1303.6	1407.2	1510.9	1614.5	1718.2	1821.8	1925.5	2029.1	13.3	13.3	13.3	16.6	23.3	6.6	3.3	3.3	0.0	6.6

Tabla C.230. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Veracruz.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1 Hp(mm)	2 Hp(mm)	3 Hp(mm)	4 Hp(mm)	5 Hp(mm)	6 Hp(mm)	7 Hp(mm)	8 Hp(mm)	9 Hp(mm)	10 Hp(mm)	1 (%)	2 (%)	3 (%)	4 (%)	5 (%)	6 (%)	7 (%)	8 (%)	9 (%)	10 (%)
Jesús Carranza	893.8	1230.8	1567.9	1904.9	2242.0	2579.0	2916.1	3253.1	3590.2	3927.2	3.4	3.4	3.4	6.8	24.1	37.9	13.7	3.4	0.0	3.4
Xico	1242.0	1342.8	1443.6	1544.4	1645.3	1746.1	1846.9	1947.7	2048.5	2149.3	7.4	7.4	22.2	11.1	7.4	7.4	11.1	14.8	3.7	7.4
Jilotepec	931.7	1047.3	1163.0	1278.6	1394.3	1510.0	1625.6	1741.3	1856.9	1972.6	3.3	3.3	6.6	20.0	13.3	20.0	16.6	3.3	0.0	13.3
Juan Rodríguez Clara	973.8	1065.1	1156.5	1247.8	1339.2	1430.6	1521.9	1613.3	1704.6	1796.0	12.0	8.0	20.0	16.0	16.0	16.0	4.0	0.0	4.0	4.0
Juchique de Ferrer	1296.0	1463.6	1531.3	1798.9	1966.6	2134.2	2301.9	2469.5	2637.2	2804.8	10.7	17.8	4.2	28.5	14.2	7.1	0.0	3.5	0.0	3.5
Landro y Coss	1136.7	1245.3	1354.0	1462.6	1571.3	1679.9	1788.6	1897.2	2005.9	2114.5	11.5	3.8	9.2	15.3	7.6	7.6	11.5	15.3	3.8	3.8
Lerdo de Tejada	1725.0	1919.9	2114.9	2309.8	2504.7	2699.6	2894.5	3089.5	3284.4	3479.3	12.0	12.0	20.0	8.0	4.0	4.0	16.0	8.0	8.0	8.0
Magdalena	1486.3	1770.5	2054.8	2339.0	2623.3	2907.5	3191.8	3476.0	3760.3	4044.5	3.3	0.0	3.3	20.0	40.0	23.3	3.3	3.3	0.0	3.3
Malhata	437.1	506.3	575.6	644.9	714.2	783.4	852.7	922.0	991.2	1060.5	3.3	0.0	20.0	16.6	20.0	16.6	13.3	3.3	3.3	3.3
Manilo Fabio Altamirano	679.7	783.6	887.4	991.3	1095.2	1199.1	1303.0	1406.8	1510.7	1614.6	3.5	7.1	7.1	10.7	21.4	17.8	17.8	3.5	7.1	3.5
Mariano Escobedo	1210.9	1344.2	1477.6	1610.9	1744.3	1877.6	2010.9	2144.3	2277.6	2411.0	3.3	0.0	0.0	10.0	16.6	16.6	20.0	16.6	6.6	10.0
Martínez de la Torre	1157.5	1261.5	1365.6	1469.6	1573.7	1677.7	1781.8	1885.8	1989.9	2093.9	10.7	10.7	21.4	21.4	3.5	7.1	7.1	10.7	3.5	3.5
Mecallán	1373.7	1629.4	1885.1	2140.8	2396.5	2652.2	2907.9	3163.6	3419.3	3675.0	3.3	0.0	3.3	16.6	13.3	16.6	26.6	6.6	0.0	3.3
Mecayapan	1438.7	1648.4	1858.0	2067.7	2277.3	2486.9	2696.6	2906.2	3115.9	3325.5	30.0	6.6	30.0	20.0	6.6	3.3	0.0	0.0	0.0	3.3
Medellín	1223.6	1335.1	1446.7	1558.2	1669.7	1781.2	1892.7	2004.3	2115.8	2227.3	10.3	17.2	27.5	17.2	0.0	10.3	3.4	0.0	3.4	10.3
Miahuatlán	765.4	871.3	977.3	1083.2	1189.1	1295.0	1400.9	1506.9	1612.8	1718.7	5.5	11.1	0.0	16.6	5.5	22.2	16.6	5.5	11.1	5.5
Minas, Las	799.5	896.2	992.9	1089.6	1186.3	1283.0	1379.7	1476.4	1573.1	1669.8	6.6	3.3	3.3	13.3	36.6	10.0	6.6	3.3	10.0	6.6
Minatitlán	784.3	1046.1	1308.0	1569.8	1831.6	2093.4	2355.2	2617.1	2878.9	3140.7	3.4	0.0	0.0	0.0	10.3	20.6	13.7	20.6	27.5	3.4
Misantla	1351.1	1468.1	1585.0	1702.0	1819.0	1936.0	2053.0	2169.9	2286.9	2403.9	16.6	0.0	10.0	26.6	6.6	13.3	6.6	10.0	3.3	6.6
Mixtla de Altamirano	866.6	1019.1	1171.6	1324.1	1476.6	1629.0	1781.5	1934.0	2086.5	2239.0	10.0	0.0	5.0	5.0	10.0	20.0	20.0	0.0	0.0	10.0
Moloacán	1241.4	1441.9	1642.3	1842.7	2043.2	2243.6	2444.0	2644.4	2844.9	3045.3	4.3	0.0	0.0	4.3	8.6	17.3	17.3	8.6	17.3	21.7
Naolinco	498.8	609.5	720.3	831.0	941.8	1052.5	1163.3	1274.0	1384.8	1495.5	3.3	23.3	30.0	13.3	16.6	6.6	3.3	0.0	0.0	3.3
Naranjal	1486.3	1770.5	2054.8	2339.0	2623.3	2907.5	3191.8	3476.0	3760.3	4044.5	3.3	0.0	3.3	20.0	40.0	23.3	3.3	3.3	0.0	3.3
Nautla	789.3	955.6	1122.0	1288.3	1454.7	1621.1	1787.4	1953.8	2120.1	2286.5	3.4	3.4	17.2	31.0	24.1	13.7	3.4	0.0	0.0	3.4
Nogales	437.1	506.3	575.6	644.9	714.2	783.4	852.7	922.0	991.2	1060.5	3.3	0.0	20.0	16.6	20.0	16.6	13.3	3.3	3.3	3.3
Oluta	1484.4	1597.0	1709.5	1822.1	1934.7	2047.3	2159.9	2272.4	2385.0	2497.6	3.4	0.0	3.4	10.3	3.4	17.2	6.8	20.6	17.2	17.2
Omealca	1129.4	1270.2	1411.1	1551.9	1692.7	1833.5	1974.3	2115.2	2256.0	2396.8	4.1	0.0	12.5	0.0	8.3	20.8	16.6	12.5	12.5	12.5
Orizaba	1792.5	1894.4	1996.2	2098.0	2199.9	2301.7	2403.5	2505.3	2607.2	2709.0	6.2	12.5	12.5	6.2	6.2	25.0	12.5	0.0	12.5	6.2
Otalitlán	1296.1	1445.9	1595.7	1745.5	1895.3	2045.0	2194.8	2344.6	2494.4	2644.2	3.3	6.6	6.6	23.3	10.0	20.0	10.0	0.0	10.0	10.0
Oteapan	1425.3	1593.8	1762.2	1930.7	2099.1	2267.5	2436.0	2604.4	2772.9	2941.3	10.0	23.3	6.6	30.0	23.3	3.3	0.0	0.0	0.0	3.3

Tabla C.230. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Veracruz.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Ozuluama	836.5	925.8	1015.0	1104.3	1193.6	1282.9	1372.2	1461.4	1550.7	1640.0	25.0	25.0	10.7	14.2	3.5	3.5	14.2	0.0	0.0	3.5
Pajapan	1438.7	1648.4	1858.0	2067.7	2277.3	2486.9	2696.6	2906.2	3115.9	3325.5	30.0	6.6	30.0	20.0	6.6	3.3	0.0	0.0	0.0	3.3
Pánuco	836.5	925.8	1015.0	1104.3	1193.6	1282.9	1372.2	1461.4	1550.7	1640.0	32.1	21.4	10.7	10.7	3.5	7.1	10.7	0.0	0.0	3.5
Papanitla	1066.6	1191.0	1315.4	1439.8	1564.2	1688.5	1812.9	1937.3	2061.7	2186.1	23.3	20.0	23.3	10.0	10.0	6.6	3.3	0.0	0.0	3.3
Paso del Macho	1283.6	1407.3	1531.0	1654.7	1778.4	1902.0	2025.7	2149.4	2273.1	2396.8	3.3	6.6	3.3	6.6	10.0	23.3	10.0	16.6	13.3	6.6
Paso de Ovejas	731.6	826.9	922.3	1017.6	1113.0	1208.3	1303.7	1399.0	1494.4	1589.7	6.6	3.3	13.3	20.0	23.3	6.6	16.6	6.6	0.0	3.3
Perla, La	1210.9	1344.2	1477.6	1610.9	1744.3	1877.6	2010.9	2144.3	2277.6	2411.0	3.3	0.0	0.0	10.0	16.6	16.6	20.0	16.6	6.6	10.0
Perote	1242.0	1342.8	1443.6	1544.4	1645.3	1746.1	1846.9	1947.7	2048.5	2149.3	7.4	7.4	22.2	11.1	7.4	7.4	11.1	14.8	3.7	7.4
Platón Sánchez	813.8	949.3	1084.7	1220.2	1355.7	1491.2	1626.7	1762.1	1897.6	2033.1	4.1	4.1	12.5	16.6	16.6	8.3	4.1	20.8	4.1	8.3
Playa Vicente	1108.4	1265.7	1423.1	1580.4	1737.8	1895.1	2052.4	2209.8	2367.1	2524.5	3.3	0.0	0.0	6.6	23.3	13.3	20.0	20.0	6.6	6.6
Poza Rica de Hidalgo	863.5	972.8	1082.1	1191.4	1300.7	1410.0	1519.3	1628.6	1737.9	1847.2	6.6	6.6	6.6	26.6	26.6	3.3	10.0	6.6	0.0	6.6
Vigas de Ramírez, Las	799.5	896.2	992.9	1089.6	1186.3	1283.0	1379.7	1476.4	1573.1	1669.8	6.6	3.3	3.3	13.3	36.6	10.0	6.6	3.3	10.0	6.6
Pueblo Viejo	670.1	822.9	975.6	1128.4	1281.1	1433.8	1586.6	1739.3	1892.1	2044.8	3.4	6.8	10.3	10.3	6.8	24.1	13.7	6.8	6.8	10.3
Puente Nacional	561.1	664.2	767.4	870.6	973.7	1076.9	1180.1	1283.3	1386.4	1489.6	8.0	4.0	8.0	8.0	20.0	12.0	8.0	8.0	20.0	4.0
Rafael Delgado	1024.2	1175.1	1325.9	1476.8	1627.7	1778.6	1929.5	2080.3	2231.2	2382.1	12.0	0.0	8.0	24.0	20.0	20.0	4.0	8.0	0.0	4.0
Rafael Lucio	931.7	1047.3	1163.0	1278.6	1394.3	1510.0	1625.6	1741.3	1856.9	1972.6	3.3	3.3	6.6	20.0	13.3	20.0	16.6	3.3	0.0	13.3
Reyes, Los	437.1	506.3	575.6	644.9	714.2	783.4	852.7	922.0	991.2	1060.5	3.3	0.0	20.0	16.6	20.0	16.6	13.3	3.3	3.3	3.3
Río Blanco	1792.5	1894.4	1996.2	2098.0	2199.9	2301.7	2403.5	2505.3	2607.2	2709.0	6.2	12.5	12.5	6.2	6.2	25.0	12.5	0.0	12.5	6.2
Saltabarranca	1725.0	1919.9	2114.9	2309.8	2504.7	2699.6	2894.5	3089.5	3284.4	3479.3	12.0	12.0	20.0	8.0	4.0	4.0	16.0	8.0	8.0	8.0
San Andrés Tenejapan	1486.3	1770.5	2054.8	2339.0	2623.3	2907.5	3191.8	3476.0	3760.3	4044.5	3.3	0.0	3.3	20.0	40.0	23.3	3.3	3.3	0.0	3.3
San Andrés Tuxtla	1761.6	1973.0	2184.5	2395.9	2607.4	2818.9	3030.3	3241.8	3453.2	3664.7	13.7	3.4	6.8	3.4	10.3	20.6	13.7	3.4	20.6	3.4
San Juan Evangelista	1267.5	1388.0	1508.5	1629.0	1749.5	1870.0	1990.5	2111.0	2231.5	2352.0	12.5	8.3	16.6	20.8	12.5	4.1	4.1	8.3	8.3	4.1
Santiago Tuxtla	1722.3	1991.7	2261.1	2530.5	2799.8	3069.2	3338.6	3608.0	3877.4	4146.8	4.1	4.1	12.5	12.5	12.5	29.1	8.3	4.1	4.1	8.3
Saluya de Alemán	893.8	1230.8	1567.9	1904.9	2242.0	2579.0	2916.1	3253.1	3590.2	3927.2	3.4	3.4	0.0	6.8	10.3	27.5	31.0	10.3	3.4	3.4
Soconusco	1438.7	1648.4	1858.0	2067.7	2277.3	2486.9	2696.6	2906.2	3115.9	3325.5	30.0	6.6	30.0	20.0	6.6	3.3	0.0	0.0	0.0	3.3
Sochiapa	1223.1	1341.2	1459.3	1577.4	1695.5	1813.7	1931.8	2049.9	2168.0	2286.1	3.3	3.3	0.0	3.3	6.6	6.6	23.3	26.6	16.6	10.0
Soledad Atzompa	437.1	506.3	575.6	644.9	714.2	783.4	852.7	922.0	991.2	1060.5	3.3	0.0	20.0	16.6	20.0	16.6	13.3	3.3	3.3	3.3
Soledad de Doblado	759.9	868.2	976.5	1084.8	1193.2	1301.5	1409.8	1518.1	1626.4	1734.7	7.4	7.4	14.8	33.3	11.1	7.4	3.7	7.4	3.7	3.7
Sotepan	1936.9	2176.0	2415.0	2654.1	2893.1	3132.1	3371.2	3610.2	3849.3	4088.3	3.3	6.6	20.0	16.6	23.3	20.0	6.6	0.0	0.0	3.3
Tamalín	836.5	925.8	1015.0	1104.3	1193.6	1282.9	1372.2	1461.4	1550.7	1640.0	32.1	21.4	14.2	7.1	3.5	7.1	10.7	0.0	0.0	3.5

Tabla C.230. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Veracruz.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Tamiahua	1153.7	1291.5	1429.4	1567.3	1705.2	1843.0	1980.9	2118.8	2256.6	2394.5	20.0	20.0	16.6	16.6	20.0	0.0	0.0	3.3	0.0	3.3
Tampico Alto	836.5	925.8	1015.0	1104.3	1193.6	1282.9	1372.2	1461.4	1550.7	1640.0	32.1	21.4	14.2	7.1	3.5	7.1	10.7	0.0	0.0	3.5
Tancoco	1117.6	1246.1	1374.7	1503.2	1631.8	1760.3	1888.9	2017.4	2146.0	2274.5	10.7	3.5	17.8	14.2	17.8	14.2	7.1	3.5	0.0	10.7
Tantima	1119.7	1287.4	1455.0	1622.7	1790.3	1957.9	2125.6	2293.2	2460.9	2628.5	14.2	10.7	3.5	42.8	3.5	10.7	7.1	3.5	0.0	3.5
Tantoyuca	721.5	829.7	938.0	1046.2	1154.4	1262.6	1370.8	1479.1	1587.3	1695.5	4.0	8.0	16.0	12.0	28.0	0.0	12.0	12.0	4.0	4.0
Tatalila	799.5	896.2	992.9	1089.6	1186.3	1283.0	1379.7	1476.4	1573.1	1669.8	6.6	3.3	3.3	13.3	36.6	10.0	6.6	3.3	10.0	6.6
Castillo de Teayo	976.4	1043.2	1110.1	1177.0	1243.9	1310.7	1377.6	1444.5	1511.3	1578.2	7.1	7.1	2.4	21.4	0.0	0.0	14.2	14.2	0.0	14.2
Tecolutla	1066.6	1191.0	1315.4	1439.8	1564.2	1688.5	1812.9	1937.3	2061.7	2186.1	16.6	26.6	23.3	13.3	6.6	6.6	3.3	0.0	0.0	3.3
Tehuipango	866.6	1019.1	1171.6	1324.1	1476.6	1629.0	1781.5	1934.0	2086.5	2239.0	10.0	0.0	5.0	5.0	10.0	20.0	20.0	20.0	0.0	10.0
Temapache	652.6	766.8	880.9	995.0	1109.2	1223.3	1337.4	1451.5	1565.7	1679.8	3.8	0.0	3.8	7.6	23.0	3.8	15.3	15.3	19.2	7.6
Tempoal	727.3	841.3	955.2	1069.2	1183.2	1297.2	1411.2	1525.1	1639.1	1753.1	4.0	8.0	29.0	12.0	28.0	0.0	16.0	4.0	0.0	8.0
Tenampan	1218.6	1327.4	1436.1	1544.9	1653.7	1762.5	1871.3	1980.0	2088.8	2197.6	3.3	0.0	14.0	13.3	10.0	13.3	10.0	16.6	10.0	13.3
Tenochtitlán	1174.9	1309.6	1444.2	1578.8	1713.5	1848.1	1982.7	2117.3	2252.0	2386.6	10.0	13.3	23.3	16.6	6.6	20.0	0.0	3.3	3.3	3.3
Teocelo	974.9	1188.3	1401.7	1615.1	1828.6	2042.0	2255.4	2468.8	2682.2	2895.6	3.3	0.0	0.0	3.3	16.6	20.0	40.0	6.6	6.6	3.3
Tepatlaxco	1735.8	1902.5	2069.3	2236.0	2402.8	2569.5	2736.3	2903.0	3069.8	3236.5	8.3	0.0	14.6	0.0	0.0	16.6	16.6	16.6	8.3	16.6
Tepetlán	498.8	609.5	720.3	831.0	941.8	1052.5	1163.3	1274.0	1384.8	1495.5	3.3	23.3	34.0	13.3	16.6	6.6	3.3	0.0	0.0	3.3
Tepetzintla	1117.6	1246.1	1374.7	1503.2	1631.8	1760.3	1888.9	2017.4	2146.0	2274.5	10.7	3.5	17.8	14.2	17.8	14.2	7.1	3.5	0.0	10.7
Tequila	437.1	506.3	575.6	644.9	714.2	783.4	852.7	922.0	991.2	1060.5	3.3	0.0	24.0	16.6	20.0	16.6	13.3	3.3	3.3	3.3
José Azueta	1314.7	1426.9	1539.0	1651.1	1763.3	1875.4	1987.5	2099.6	2211.8	2323.9	37.5	12.5	16.6	8.3	8.3	8.3	0.0	0.0	0.0	8.3
Texcatepec	1024.9	1107.2	1189.5	1271.8	1354.1	1436.3	1518.6	1600.9	1683.2	1765.5	10.3	3.4	10.3	10.3	13.7	6.8	10.3	13.7	6.8	13.7
Taxhuacán	866.6	1019.1	1171.6	1324.1	1476.6	1629.0	1781.5	1934.0	2086.5	2239.0	10.0	0.0	5.0	5.0	10.0	20.0	20.0	20.0	0.0	10.0
Texistepec	1484.4	1597.0	1709.5	1822.1	1934.7	2047.3	2159.9	2272.4	2385.0	2497.6	3.4	0.0	3.4	10.3	3.4	17.2	6.8	20.6	17.2	17.2
Tezonapa	1189.3	1390.1	1590.8	1791.5	1992.3	2193.0	2393.7	2594.4	2795.2	2995.9	4.1	4.1	4.1	0.0	29.1	12.5	33.3	8.3	0.0	4.1
Tierra Blanca	1021.0	1129.9	1238.9	1347.9	1456.9	1565.8	1674.8	1783.8	1892.7	2001.7	10.0	13.3	20.0	16.6	13.3	16.6	3.3	0.0	3.3	3.3
Tihuatlán	938.5	1031.6	1124.6	1217.6	1310.7	1403.7	1496.7	1589.7	1682.8	1775.8	3.3	6.6	13.3	23.3	16.6	3.3	10.0	10.0	6.6	6.6
Tlacojalpan	871.6	1049.8	1228.1	1406.4	1584.7	1762.9	1941.2	2119.5	2297.7	2476.0	3.3	0.0	0.0	13.3	10.0	26.6	26.6	6.6	0.0	13.3
Tlacoatlán	623.7	722.7	821.6	920.5	1019.5	1118.4	1217.3	1316.2	1415.2	1514.1	6.6	0.0	10.0	6.6	26.6	20.0	10.0	6.6	10.0	3.3
Tlacoatlán	1010.1	1175.7	1341.4	1507.0	1672.6	1838.2	2003.8	2169.5	2335.1	2500.7	4.1	0.0	20.8	20.8	12.5	20.8	0.0	8.3	0.0	12.5
Tlacotepec de Mejía	997.8	1117.7	1237.5	1357.3	1477.2	1597.0	1716.8	1836.6	1956.5	2076.3	3.3	0.0	0.0	10.0	6.6	20.0	26.6	13.3	13.3	6.6
Tlachichilco	1251.2	1367.3	1483.4	1599.5	1715.6	1831.8	1947.9	2064.0	2180.1	2296.2	10.0	0.0	0.0	20.0	20.0	13.3	13.3	13.3	3.3	6.6

Tabla C.230. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Veracruz.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Tlaxiacoan	1129.6	1186.1	1242.7	1299.2	1355.8	1412.4	1468.9	1525.5	1582.0	1638.6	16.0	4.0	12.0	8.0	12.0	16.0	4.0	12.0	4.0	12.0
Tlalnahuayocan	931.7	1047.3	1163.0	1278.6	1394.3	1510.0	1625.6	1741.3	1856.9	1972.6	3.3	3.3	6.6	20.0	13.3	20.0	16.6	3.3	0.0	13.3
Tlapacoyan	1202.5	1344.0	1485.4	1626.9	1768.4	1909.9	2051.4	2192.8	2334.3	2475.8	10.0	0.0	16.6	30.0	10.0	13.3	10.0	3.3	3.3	3.3
Tlaquilpan	437.1	506.3	575.6	644.9	714.2	783.4	852.7	922.0	991.2	1060.5	3.3	0.0	20.0	16.6	20.0	16.6	13.3	3.3	3.3	3.3
Tlilapan	1486.3	1770.5	2054.8	2339.0	2623.3	2907.5	3191.8	3476.0	3760.3	4044.5	3.3	0.0	3.3	20.0	40.0	23.3	3.3	3.3	0.0	3.3
Tomatlán	1210.9	1344.2	1477.6	1610.9	1744.3	1877.6	2010.9	2144.3	2277.6	2411.0	3.3	0.0	0.0	10.0	16.6	16.6	20.0	16.6	6.6	10.0
Tonayán	765.4	871.3	977.3	1083.2	1189.1	1295.0	1400.9	1506.9	1612.8	1718.7	5.5	11.1	0.0	16.6	5.5	22.2	16.6	5.5	11.1	5.5
Totutla	1218.6	1327.4	1436.1	1544.9	1653.7	1762.5	1871.3	1980.0	2088.8	2197.6	3.3	0.0	10.0	13.3	10.0	13.3	10.0	16.6	10.0	13.3
Tuxpam	1153.7	1291.5	1429.4	1567.3	1705.2	1843.0	1980.9	2118.8	2256.6	2394.5	20.0	20.0	20.0	10.0	20.0	3.3	0.0	3.3	0.0	3.3
Tuxtilla	871.6	1049.8	1228.1	1406.4	1584.7	1762.9	1941.2	2119.5	2297.7	2476.0	3.3	0.0	0.0	13.3	10.0	26.6	26.6	6.6	0.0	13.3
Ursulo Galván	677.7	745.1	812.4	879.8	947.2	1014.6	1082.0	1149.3	1216.7	1284.1	16.6	0.0	10.0	16.6	23.3	3.3	10.0	6.6	6.6	6.6
Vega de Alatorre	670.1	822.9	975.6	1128.4	1281.1	1433.8	1586.6	1739.3	1892.1	2044.8	3.4	3.4	13.7	6.8	13.7	24.1	13.7	0.0	10.3	10.3
Veracruz	725.4	819.2	912.9	1006.7	1100.4	1194.1	1287.9	1381.6	1475.4	1569.1	6.8	3.4	17.2	31.0	6.8	3.4	13.7	13.7	0.0	3.4
Villa Aldama	799.5	896.2	992.9	1089.6	1186.3	1283.0	1379.7	1476.4	1573.1	1669.8	6.6	3.3	3.3	13.3	36.6	10.0	6.6	3.3	10.0	6.6
Xoxocotla	437.1	506.3	575.6	644.9	714.2	783.4	852.7	922.0	991.2	1060.5	3.3	0.0	20.0	16.6	20.0	16.6	13.3	3.3	3.3	3.3
Yanga	1356.0	1435.4	1514.8	1594.2	1673.6	1752.9	1832.3	1911.7	1991.1	2070.5	10.0	16.6	6.6	10.0	13.3	16.6	3.3	6.6	10.0	6.6
Yecuatla	1198.9	1361.3	1523.6	1685.9	1848.3	2010.6	2172.9	2335.2	2497.6	2659.9	13.7	13.7	27.5	20.6	6.8	10.3	3.4	0.0	0.0	3.4
Zacualpan	1024.9	1107.2	1189.5	1271.8	1354.1	1436.3	1518.6	1600.9	1683.2	1765.5	10.3	3.4	10.3	10.3	13.7	6.8	10.3	13.7	6.8	13.7
Zaragoza	1241.4	1441.9	1642.3	1842.7	2043.2	2243.6	2444.0	2644.4	2844.9	3045.3	4.3	0.0	0.0	4.3	8.6	17.3	17.3	8.6	17.3	21.7
Zentla	1286.0	1412.2	1538.3	1664.4	1790.5	1916.7	2042.8	2168.9	2295.1	2421.2	3.3	6.6	0.0	6.6	10.0	23.3	20.0	13.3	10.0	6.6
Zongolica	1129.4	1270.2	1411.1	1551.9	1692.7	1833.5	1974.3	2115.2	2256.0	2396.8	4.1	0.0	12.5	0.0	8.3	20.8	16.6	12.5	12.5	12.5
Zontecomatlán	1024.9	1107.2	1189.5	1271.8	1354.1	1436.3	1518.6	1600.9	1683.2	1765.5	10.3	3.4	10.3	10.3	13.7	6.8	10.3	13.7	6.8	13.7
Zozocolco de Hidalgo	1358.8	1495.9	1633.1	1770.2	1907.3	2044.4	2181.5	2318.7	2455.8	2592.9	13.3	20.0	23.3	16.6	3.3	13.3	3.3	3.3	0.0	3.3
Agua Dulce	1241.4	1441.9	1642.3	1842.7	2043.2	2243.6	2444.0	2644.4	2844.9	3045.3	4.3	0.0	0.0	4.3	8.6	17.3	17.3	8.6	17.3	21.7
Higo, El	646.4	756.5	866.5	976.6	1086.7	1196.8	1306.9	1416.9	1527.0	1637.1	8.0	12.0	12.0	20.0	20.0	8.0	0.0	4.0	4.0	8.0
Nanchital de Lázaro Cárdenas del Río	1241.4	1441.9	1642.3	1842.7	2043.2	2243.6	2444.0	2644.4	2844.9	3045.3	4.3	0.0	0.0	4.3	8.6	17.3	17.3	8.6	17.3	21.7
Tres Valles	820.4	954.3	1088.3	1222.2	1356.2	1490.1	1624.1	1758.0	1892.0	2025.9	4.1	8.3	8.3	12.5	8.3	20.8	4.1	8.3	8.3	16.6
Estatal	1308.0	1376.0	1444.0	1512.0	1580.0	1647.9	1715.9	1783.9	1851.9	1919.9	10.0	3.3	23.3	23.3	10.0	13.3	6.6	6.6	0.0	3.3

Tabla C.230. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Veracruz.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	lluvia disponible	para		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s	Hp disp S(mm)	Hp disp S(mm)		
Acajola	5.0	1.4	2.3	1.5	438.4	415.3	190.6	17.0	929.9	5.7	MUY SEVERA	
Acatlán	4.0	2.0	2.7	2.6	635.1	672.3	235.2	15.0	1285.2	4.5	MUY SEVERA	
Acayucan	4.7	1.6	2.7	1.6	567.3	346.7	210.1	12.0	1410.3	6.3	MUY SEVERA	
Actopan	3.9	2.0	2.0	1.2	273.3	149.7	136.6	15.0	761.8	4.4	MUY SEVERA	
Acuña	3.8	1.4	1.8	1.0	499.4	574.2	277.4	20.0	1052.1	4.8	SEVERA	
Acultzingo	5.0	1.8	2.3	1.2	386.0	208.6	167.8	20.0	667.4	3.1	MUY SEVERA	
Camarón de Tejeda	3.4	0.7	2.2	1.6	605.1	954.8	275.0	18.0	1241.0	4.4	MUY SEVERA	
Alpatláhuac	4.3	1.1	2.1	1.1	460.5	412.1	219.2	11.0	1675.3	5.7	MUY SEVERA	
Alto Lucero de Gutiérrez Barrios	4.2	1.4	2.2	1.4	452.9	122.7	205.8	14.0	1258.8	5.4	MUY SEVERA	
Altotonga	3.2	1.6	2.3	1.8	467.1	421.6	203.0	13.0	1345.6	3.8	MUY SEVERA	
Alvarado	4.5	2.8	1.7	1.1	637.8	197.5	375.1	21.0	1337.5	5.3	VASTA	
Amatitlán	3.8	1.4	1.8	1.0	499.4	574.2	277.4	20.0	1052.1	4.8	SEVERA	
Naranjos Amatitlán al	4.3	2.0	1.9	1.3	525.6	278.8	276.6	17.0	1267.0	5.3	SEVERA	
Amatitlán de Los Reyes	3.8	1.2	1.8	1.0	358.3	271.7	199.0	12.0	1442.8	5.5	SEVERA	
Angel R. Cabada	4.8	2.7	2.3	2.1	1096.6	787.4	476.7	19.0	1921.7	3.9	MUY SEVERA	
Antigua, La	4.3	2.2	2.2	0.8	379.3	164.4	172.4	14.0	983.6	4.8	MUY SEVERA	
Apazapan	4.8	1.0	2.2	0.6	304.0	165.5	138.1	13.0	854.8	4.2	MUY SEVERA	
Aquila	3.1	0.9	1.6	1.0	173.3	109.1	108.3	15.0	574.1	4.2	SEVERA	
Astancinga	3.1	0.9	1.6	1.0	173.3	109.1	108.3	15.0	574.1	4.2	SEVERA	
Allahuilco	3.1	0.9	1.6	1.0	173.3	109.1	108.3	15.0	574.1	4.2	SEVERA	
Atoyac	3.8	1.2	1.8	1.0	358.3	271.7	199.0	12.0	1442.8	5.5	SEVERA	
Atzacan	3.2	1.2	1.2	0.6	331.3	315.1	276.0	14.0	1660.0	6.6	SEVERA	
Atzacán	3.0	1.5	1.8	1.4	391.8	405.1	217.6	13.0	1430.4	1.9	SEVERA	
Tlaltetela	6.5	3.3	3.0	1.6	589.8	481.6	196.6	12.0	1320.7	5.0	EXTREMADAMENTE SEVERA	
Ayahualulco	6.5	2.6	2.7	1.6	990.1	883.4	366.7	17.0	1709.5	5.6	MUY SEVERA	
Bandenilla	3.7	1.9	2.5	1.2	477.1	468.2	190.8	16.0	961.8	4.4	MUY SEVERA	
Benito Juárez	4.6	2.4	2.0	1.3	395.3	248.2	197.6	12.0	1361.7	5.8	MUY SEVERA	
Boca del Río	3.3	0.7	2.4	1.7	429.1	287.5	178.7	12.0	1198.6	3.6	MUY SEVERA	
Calcahualco	4.3	1.1	2.1	1.1	460.5	412.1	219.2	11.0	1675.3	5.7	MUY SEVERA	
Camerino Z. Mendoza	3.5	1.6	1.7	1.0	239.9	130.8	141.1	19.0	591.1	3.9	SEVERA	

Tabla C.231. Características de la sequía promedio de cada municipio del estado de Veracruz. Fuente: INEGI

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica		
	Periodicidad	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS	Intensidad			% de IS	lluvia disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	Hp disp S(mm)	Hp disp S(mm)				
Carrillo Puerto	3.1	0.8	1.5	1.3	451.3	672.4	300.8	16.0	1559.0	5.9	SEVERA			
Catemaco	3.8	2.2	1.7	0.9	623.6	366.9	366.8	13.0	2324.5	4.7	SEVERA			
Cazones de Herrera	4.5	1.8	2.5	1.7	414.4	341.9	165.7	12.0	1125.0	4.2	MUY SEVERA			
Cerro Azul	4.3	2.0	1.9	1.3	525.6	278.8	276.6	17.0	1267.0	5.3	SEVERA			
Citlaltepec	4.3	2.0	1.9	1.3	525.6	278.8	276.6	17.0	1267.0	5.3	SEVERA			
Coacoatzintla	5.0	2.4	4.0	2.1	588.6	305.6	147.1	11.0	1178.1	3.7	SEVERA			
Coahuiltán	3.4	1.6	2.0	1.6	653.3	621.8	326.6	13.0	2088.1	3.6	MUY SEVERA			
Coatepec	4.3	3.1	2.4	1.9	397.6	211.1	165.6	11.0	1277.8	3.6	MUY SEVERA			
Coatzacoalcos	2.7	0.6	1.3	0.6	470.9	459.9	362.2	15.0	2049.8	4.8	SEVERA			
Coatzacoatlán	3.5	1.2	1.8	0.8	286.9	256.1	159.3	12.0	1081.9	6.0	SEVERA			
Coetzacoatlán	2.7	0.8	1.8	1.0	541.8	350.4	301.0	12.0	2203.4	5.4	SEVERA			
Colipa	5.1	3.5	2.6	1.7	714.4	1169.0	274.7	20.0	1068.9	5.3	MUY SEVERA			
Cornapa	3.4	0.7	2.2	1.6	605.1	954.8	275.0	18.0	1241.0	4.4	MUY SEVERA			
Córdoba	2.8	1.0	1.1	0.3	249.7	144.9	227.0	13.0	1462.2	6.8	SEVERA			
Cosamaloapan	4.0	0.6	2.5	0.9	511.9	237.1	204.7	12.0	1455.7	3.7	MUY SEVERA			
Cosautlán de Carvajal	6.5	3.3	3.0	1.6	689.2	516.7	229.7	13.0	1525.7	4.9	EXTREMADAMENTE SEVERA			
Coscomatepec	4.3	1.1	2.1	1.1	460.5	412.1	219.2	11.0	1675.3	5.7	MUY SEVERA			
Cosoleacaque	2.7	0.6	1.3	0.6	470.9	459.9	362.2	15.0	2049.8	4.8	SEVERA			
Cotaxtla	4.6	1.7	1.7	0.6	507.6	320.4	298.5	26.0	844.5	6.5	VASTA			
Coxquihui	2.7	1.2	1.8	0.9	414.2	291.1	230.1	12.0	1543.8	3.6	SEVERA			
Coyutla	3.4	1.6	2.0	1.6	653.3	621.8	326.6	13.0	2088.1	3.6	MUY SEVERA			
Cuichapa	4.2	2.9	1.9	1.0	388.0	227.0	204.2	13.0	1284.8	5.5	SEVERA			
Cuicuilán	3.1	0.8	1.5	1.3	451.3	672.4	300.8	16.0	1559.0	5.9	SEVERA			
Chacaltianguis	4.0	0.6	2.6	0.7	475.8	178.1	183.0	12.0	1234.1	3.2	MUY SEVERA			
Chalma	4.2	1.9	2.1	1.3	600.0	292.9	285.7	20.0	1094.1	4.5	MUY SEVERA			
Chiconamel	4.2	2.3	2.3	1.5	578.1	397.8	251.3	17.0	1160.5	4.0	MUY SEVERA			
Chiconquiaco	4.0	2.0	2.7	2.6	635.1	672.3	235.2	15.0	1285.2	4.5	MUY SEVERA			
Chicontepec	4.6	2.2	2.4	2.1	968.4	963.9	403.5	22.0	1335.2	2.6	MUY VASTA			
Chinameca	4.6	2.6	2.2	1.5	639.4	398.4	290.6	16.0	1467.5	1.9	MUY SEVERA			
Chinampa de Gorostiza	4.3	2.0	1.9	1.3	525.6	278.8	276.6	17.0	1267.0	5.3	SEVERA			

Tabla C.231. Características de la sequía promedio de cada municipio del estado de Veracruz. 1950-2000

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica		
	Periodicidad	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS	Intensidad			% de IS	lluvia disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s	H _p disp S(mm)	H _p disp S(mm)			H _p disp S(mm)	
Choapas, Las	4.7	1.7	2.3	2.7	1199.4	1607.0	521.4	20.0	2075.3	5.9	MUY SEVERA			
Chocomán	6.0	2.9	2.7	0.8	966.0	473.6	357.7	19.0	1490.2	6.2	MUY SEVERA			
Chontla	4.3	2.0	1.9	1.3	525.6	278.8	276.6	17.0	1264.0	5.3	SEVERA			
Chumatlán	4.0	1.9	2.7	1.3	454.8	310.8	168.4	12.0	1234.8	3.4	MUY SEVERA			
Ermiliano Zapata	5.0	3.0	2.5	2.0	399.7	248.9	159.8	17.0	747.7	5.6	MUY SEVERA			
Espinal	4.0	1.9	2.7	1.3	454.8	310.8	168.4	12.0	1234.8	3.4	MUY SEVERA			
Filomeno Mata	3.4	1.6	2.0	1.6	653.3	621.8	326.6	13.0	2088.1	3.6	MUY SEVERA			
Fortín	2.8	1.0	1.1	0.3	249.7	144.9	227.0	13.0	1462.2	6.8	SEVERA			
Gutiérrez Zamora	3.8	1.2	2.5	1.7	415.5	352.3	166.1	13.0	1109.9	4.1	MUY SEVERA			
Hidalgotitlán	4.0	1.9	1.5	0.7	777.2	679.7	518.1	21.0	1935.3	5.5	VASTA			
Huatusco	2.8	0.9	1.2	0.6	296.1	267.2	246.7	12.0	1664.5	6.7	SEVERA			
Huayacocotla	3.5	0.9	1.8	0.9	370.8	279.6	206.0	14.0	1170.9	4.8	SEVERA			
Hueyepan de Ocampo	7.5	0.5	4.0	2.8	916.4	269.7	229.1	15.0	1252.2	5.1	SEVERA			
Huiloapan de Cuauhtémoc	3.6	1.2	1.7	0.8	465.0	273.5	273.5	12.0	1907.0	4.6	SEVERA			
Ignacio de la Llave	2.7	0.6	1.6	0.4	321.7	180.0	201.0	14.0	1144.2	4.1	SEVERA			
Llamatlán	3.5	0.9	1.8	0.9	370.8	279.6	206.0	14.0	1170.9	4.8	SEVERA			
Isla	4.3	1.0	2.3	1.5	355.1	252.0	154.3	12.0	1055.6	3.9	MUY SEVERA			
Ixcatepec	4.3	2.0	1.9	1.3	525.6	278.8	276.6	17.0	1267.0	5.3	SEVERA			
Ixhuacán de los Reyes	6.5	2.6	2.7	1.6	990.1	883.4	366.7	17.0	1709.5	5.6	MUY SEVERA			
Ixhuatlán del Café	2.8	0.9	1.2	0.6	296.1	267.2	246.7	12.0	1664.5	6.7	SEVERA			
Ixhuatlancillo	4.3	1.1	2.1	1.1	460.5	412.1	219.2	11.0	1676.3	5.7	MUY SEVERA			
Ixhuatlán del Sureste	2.7	0.6	1.3	0.6	470.9	459.9	362.2	15.0	2049.8	4.8	SEVERA			
Ixhuatlán de Madero	5.2	1.6	2.7	0.7	609.3	287.8	225.6	14.0	1287.2	5.6	MUY SEVERA			
Ixmiquilpan	4.0	1.4	2.0	0.8	437.6	281.7	218.8	15.0	1159.0	4.4	MUY SEVERA			
Ixtaczoquitlán	3.2	1.2	1.2	0.6	331.3	315.1	276.0	14.0	1660.0	6.6	SEVERA			
Jalacingo	4.5	2.4	2.5	1.8	404.9	427.8	161.9	11.0	1231.9	5.3	MUY SEVERA			
Xalapa	6.5	4.5	3.0	2.6	507.4	491.8	169.1	12.0	1142.0	2.0	EXTREMADAMENTE SEVERA			
Jalcomulco	4.8	1.0	2.2	0.6	304.0	165.5	138.1	13.0	850.8	4.2	MUY SEVERA			
Jáltipan	4.5	2.0	2.0	1.0	526.8	494.3	263.3	12.0	1855.5	5.8	MUY SEVERA			
Jamapa	3.3	0.7	2.4	1.7	429.1	287.5	178.7	12.0	1198.5	3.6	MUY SEVERA			

Tabla C.231. Características de la sequía promedio de cada municipio del estado de Veracruz.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica		
	Periodicidad	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS	Intensidad			% de IS	Huvia disponible
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	Hp disp	S(mm)			Hp disp S(mm)	
Jesús Carranza	4.3	1.6	1.7	1.0	834.4	444.8	490.8	22.0	1738.5	6.1	VASTA			
Xico	3.8	1.3	2.0	1.3	445.0	385.5	222.5	13.0	1322.3	4.1	MUY SEVERA			
Jilotepec	6.0	3.6	3.2	2.8	639.8	769.2	199.9	13.0	1235.8	5.7	EXTREMADAMENTE SEVERA			
Juan Rodríguez Clara	7.3	3.2	3.5	1.1	513.4	270.2	146.6	11.0	1086.7	4.7	EXTREMADAMENTE SEVERA			
Juchique de Ferrer	3.0	0.7	1.7	0.7	374.3	303.8	220.1	13.0	1484.8	4.2	SEVERA			
Landero y Coss	4.0	2.0	2.7	2.6	635.1	672.3	235.2	15.0	1285.2	4.5	MUY SEVERA			
Lerdo de Tejeda	4.8	2.7	2.3	2.1	1096.6	787.4	476.7	19.0	1921.7	3.9	MUY SEVERA			
Magdalena	2.7	0.8	1.8	1.0	541.8	350.4	301.0	12.0	2203.4	5.4	SEVERA			
Maltrata	3.1	0.9	1.6	1.0	173.3	109.1	108.3	15.0	575.1	4.2	SEVERA			
Manlio Fabio Altamirano	4.3	1.5	2.0	1.3	377.3	321.7	188.6	17.0	906.0	4.9	MUY SEVERA			
Mariano Escobedo	4.3	1.1	2.1	1.1	460.5	412.1	219.2	11.0	1676.3	5.7	MUY SEVERA			
Martínez de la Torre	5.0	3.2	3.0	3.1	508.5	722.8	169.5	11.0	1284.5	3.5	EXTREMADAMENTE SEVERA			
Mecatlán	3.8	2.1	2.0	1.6	910.0	949.5	455.0	19.0	1928.7	4.9	MUY SEVERA			
Mecayapan	4.6	2.6	2.2	1.5	639.4	398.4	290.6	16.0	1487.5	1.9	MUY SEVERA			
Medellín	3.5	0.7	2.2	1.1	434.0	254.8	197.2	13.0	1316.2	3.3	MUY SEVERA			
Miahuatlán	4.5	0.5	3.0	0.8	655.7	228.9	218.5	18.0	994.0	5.0	EXTREMADAMENTE SEVERA			
Minas, Las	4.0	1.5	2.5	1.5	378.4	313.6	151.3	12.0	1027.9	5.8	MUY SEVERA			
Minatitlán	3.1	1.6	1.6	1.3	686.3	767.7	428.9	18.0	1844.4	5.9	SEVERA			
Misantla	6.0	3.3	3.3	3.0	752.1	694.2	227.9	13.0	1524.8	4.3	EXTREMADAMENTE SEVERA			
Mixtla de Altamirano	5.6	1.2	2.0	0.7	693.6	549.8	346.7	22.0	1224.8	7.9	MUY VASTA			
Moloacán	2.7	0.6	1.3	0.6	470.9	459.9	362.2	15.0	2049.8	4.8	SEVERA			
Naolinco	5.7	2.0	2.9	2.4	415.7	352.9	143.3	19.0	602.4	3.4	MUY SEVERA			
Naranja	2.7	0.8	1.8	1.0	541.8	350.4	301.0	12.0	2203.4	5.4	SEVERA			
Nautla	3.1	1.3	1.6	1.1	289.6	275.1	181.0	14.0	1109.6	4.3	SEVERA			
Nogales	3.1	0.9	1.6	1.0	173.3	109.1	108.3	15.0	575.1	4.2	SEVERA			
Oluta	4.5	2.0	2.0	1.0	526.8	494.3	263.3	12.0	1855.5	5.8	MUY SEVERA			
Omealca	3.1	0.8	1.5	1.3	451.3	672.4	300.8	16.0	1589.0	5.9	SEVERA			
Orizaba	3.6	1.2	1.7	0.8	465.0	273.5	273.5	12.0	1907.0	4.6	SEVERA			
Otatitlán	2.5	0.4	1.4	0.6	398.2	196.2	284.4	14.0	1623.7	6.4	SEVERA			
Oteapan	4.1	1.9	1.6	0.6	439.8	247.6	274.8	15.0	1535.5	3.3	SEVERA			

Tabla C.231. Características de la sequía promedio de cada municipio del estado de Veracruz. PES.O sidsT

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para sequia Meteorológica	Tipo de sequia Meteorológica
	Periodicidad	DesvStd Per	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	fluvia disponible	para		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _e	Hp disp S (mm)	Hp disp S (mm)		
Ozuluama	4.7	1.6	2.8	1.5	404.7	278.4	144.5	14.0	866.6	2.9	MUY SEVERA	
Pajapan	4.6	2.6	2.2	1.5	639.4	398.4	290.6	16.0	1467.5	1.9	MUY SEVERA	
Pánuco	6.0	2.2	3.1	1.4	476.0	215.9	153.5	15.0	835.7	3.3	EXTREMADAMENTE SEVERA	
Papantla	3.2	1.1	2.3	1.5	390.3	334.1	169.6	13.0	1101.2	3.5	MUY SEVERA	
Paso del Macho	3.1	0.9	1.6	1.3	394.1	461.2	246.3	13.0	1638.2	5.1	SEVERA	
Paso de Ovejas	4.6	1.4	2.4	1.4	346.2	299.0	144.2	13.0	914.7	4.3	MUY SEVERA	
Perla, La	4.3	1.1	2.1	1.1	460.5	412.1	219.2	11.0	1676.3	5.7	MUY SEVERA	
Perote	3.8	1.3	2.0	1.3	445.0	385.5	222.5	13.0	1392.3	4.1	MUY SEVERA	
Platón Sanchez	4.2	1.9	2.1	1.3	600.0	292.9	285.7	20.0	1094.1	4.5	MUY SEVERA	
Playa Vicente	3.8	2.3	1.7	0.9	480.6	323.5	282.7	14.0	1618.9	11.1	SEVERA	
Poza Rica de Hidalgo	3.5	1.2	1.8	0.8	286.9	256.1	159.3	12.0	1081.9	6.0	SEVERA	
Vigas de Ramirez, Las	4.0	1.5	2.5	1.5	378.4	313.6	151.3	12.0	1027.9	5.8	MUY SEVERA	
Pueblo Viejo	5.1	3.5	2.3	2.5	728.5	929.3	316.7	23.0	1014.1	5.4	MUY VASTA	
Puente Nacional	4.4	1.6	2.3	1.7	461.5	151.1	200.6	20.0	800.3	4.3	MUY SEVERA	
Rafael Delgado	4.0	1.8	1.8	1.2	516.2	584.5	286.7	18.0	1237.6	6.4	SEVERA	
Rafael Lucio	6.0	3.6	3.2	2.8	639.8	769.2	199.9	13.0	1235.8	5.7	EXTREMADAMENTE SEVERA	
Reyes, Los	3.1	0.9	1.6	1.0	173.3	109.1	108.3	15.0	576.1	4.2	SEVERA	
Río Blanco	3.6	1.2	1.7	0.8	465.0	273.5	273.5	12.0	1907.0	4.6	SEVERA	
Saltabarranca	4.8	2.7	2.3	2.1	1096.6	787.4	476.7	19.0	1921.7	3.9	MUY SEVERA	
San Andrés Tenejapan	2.7	0.8	1.8	1.0	541.8	350.4	301.0	12.0	2203.4	5.4	SEVERA	
San Andrés Tuxtla	3.4	1.9	1.6	1.3	864.5	1045.7	540.3	20.0	2129.5	5.7	SEVERA	
San Juan Evangelista	4.5	1.6	2.8	1.5	627.6	471.6	224.1	13.0	1402.9	4.1	MUY SEVERA	
Santiago Tuxtla	4.0	2.3	2.0	1.0	1131.7	756.0	565.8	20.0	2213.9	5.3	MUY SEVERA	
Saluya de Alemán	4.0	1.9	1.5	0.7	777.2	679.7	518.1	21.0	1935.3	5.5	VASTA	
Soconusco	4.6	2.5	2.2	1.5	639.4	398.4	290.6	16.0	1467.5	1.9	MUY SEVERA	
Sochiapa	2.8	0.9	1.2	0.6	296.1	267.2	246.7	12.0	1664.5	6.7	SEVERA	
Soledad Atzompa	3.1	0.9	1.6	1.0	173.3	109.1	108.3	15.0	576.1	4.2	SEVERA	
Soledad de Doblado	2.8	0.6	2.1	1.2	324.2	271.3	154.3	14.0	937.0	3.9	MUY SEVERA	
Soteapan	3.8	2.2	1.7	0.9	623.6	366.9	366.8	13.0	2324.5	4.7	SEVERA	
Tamalín	6.0	2.2	3.1	1.4	474.7	228.6	153.1	15.0	834.0	3.3	EXTREMADAMENTE SEVERA	

Tabla C.231. Características de la sequía promedio de cada municipio del estado de Veracruz.

Municipio	Características promedio de la sequía meteorológica municipal										Tr(años) para	Tipo de sequía Meteorológica	
	Periodicidad	DesvStd	PerS	Duración	DesvStd	DS	Severidad	DesvStd	SS	Intensidad			% de IS
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	H _p disp S(mm)	H _p disp S(mm)			
Tamiahua	5.5	2.3	2.8	2.0	575.5	509.2	205.5	14.0	1120.8	3.4	MUY SEVERA		
Tampico Alto	6.0	2.2	3.1	1.4	474.7	228.6	153.1	15.0	834.0	3.3	EXTREMADAMENTE SEVERA		
Tancoco	4.3	2.0	1.9	1.3	525.6	278.8	276.6	17.0	1267.0	5.3	SEVERA		
Tantima	3.7	1.9	2.0	1.2	476.9	326.5	238.4	15.0	1337.0	5.4	MUY SEVERA		
Tantoyuca	4.5	1.8	2.5	1.2	443.6	368.5	177.4	15.0	944.7	4.1	MUY SEVERA		
Tatalita	4.0	1.5	2.5	1.5	378.4	313.6	151.3	12.0	1027.9	5.8	MUY SEVERA		
Castillo de Teayo	3.3	0.4	2.0	0.7	319.6	145.3	159.8	12.0	1073.0	4.2	MUY SEVERA		
Tecoluitla	3.8	1.2	2.5	1.7	415.5	352.3	166.1	13.0	1109.9	4.1	MUY SEVERA		
Tehuipango	5.6	1.2	2.0	0.7	693.6	549.8	346.7	22.0	1224.8	7.9	MUY VASTA		
Temapache	3.4	1.5	1.5	0.5	346.3	207.8	230.8	18.0	1005.0	6.3	SEVERA		
Tempoal	6.0	2.2	3.0	1.4	542.8	339.0	180.9	16.0	984.2	4.1	EXTREMADAMENTE SEVERA		
Tenampa	6.5	3.3	3.0	1.6	689.2	516.7	229.7	13.0	1525.7	4.9	EXTREMADAMENTE SEVERA		
Tenochtitlán	3.2	1.6	2.3	1.8	467.1	421.6	203.0	13.0	1345.6	3.8	MUY SEVERA		
Teocelo	4.1	1.6	1.8	0.9	551.9	487.2	306.6	15.0	1118.6	8.1	SEVERA		
Tepatlaxco	5.0	0.0	1.6	0.9	719.2	499.2	449.5	17.0	2115.4	6.5	SEVERA		
Tepetlán	5.7	2.0	2.9	2.4	415.7	352.9	143.3	19.0	602.4	3.4	MUY SEVERA		
Tepetzintla	4.3	2.0	1.9	1.3	525.6	278.8	276.6	17.0	1267.0	5.3	SEVERA		
Tequila	3.1	0.9	1.6	1.0	173.3	109.1	108.3	15.0	576.1	4.2	SEVERA		
José Azueta	4.4	2.0	2.4	2.1	459.9	524.0	191.6	12.0	1319.8	2.2	MUY SEVERA		
Texcatepec	3.5	0.9	1.8	0.9	370.8	279.6	206.0	14.0	1170.9	4.8	SEVERA		
Texhuacán	5.6	1.2	2.0	0.7	693.6	549.8	346.7	22.0	1224.8	7.9	MUY VASTA		
Texistepec	4.5	2.0	2.0	1.0	526.8	494.3	263.3	12.0	1855.5	5.8	MUY SEVERA		
Tezonapa	2.7	0.8	1.5	1.3	472.8	895.3	315.2	15.0	1725.8	6.3	SEVERA		
Tierra Blanca	3.1	0.5	1.8	0.5	314.0	151.5	174.4	13.0	1140.9	4.6	SEVERA		
Tihuatlán	4.5	1.8	2.5	1.7	414.4	341.9	165.7	12.0	1125.0	4.2	MUY SEVERA		
Tlacojalpan	3.5	1.2	1.7	1.0	451.3	351.9	265.4	15.0	1493.7	1.9	SEVERA		
Tlacotalan	4.6	1.7	2.4	1.1	353.9	278.6	147.4	14.0	881.2	4.3	MUY SEVERA		
Tlacotalpan	3.8	1.5	1.8	0.9	525.4	313.9	291.8	17.0	1350.0	5.2	SEVERA		
Tlacotepec de Mejía	3.2	1.0	1.6	0.9	341.8	432.6	213.6	13.0	1418.1	6.9	SEVERA		
Tlachichico	4.3	1.3	2.4	0.9	460.7	282.4	191.9	11.0	1544.8	6.1	MUY SEVERA		

Tabla C.231. Características de la sequía promedio de cada municipio del estado de Veracruz.

Municipio	Características promedio de la sequía meteorológica municipal										Hv disponible para	Tr(años)	Tipo de sequía Meteorológica
	Periodicidad PerS	DesvStd PerS	Duración DS	DesvStd DS	SS(mm)	DesvStd SS	Intensidad % de IS respecto a X _s	Hv disponible	Hv disp S(mm)				
Tlalixcoyan	3.8	1.7	2.0	1.8	301.8	417.5	150.8	11.0	1191.6	5.1	MUY SEVERA		
Tlalnelhuayocan	6.0	3.6	3.2	2.8	639.8	769.2	199.9	13.0	1235.8	5.7	EXTREMADAMENTE SEVERA		
Tlapacoyan	3.0	1.5	1.8	1.4	391.8	405.1	217.6	13.0	1430.4	1.9	SEVERA		
Tlaquilpan	3.1	0.9	1.6	1.0	173.3	109.1	108.3	15.0	576.1	4.2	SEVERA		
Tlilapan	2.7	0.8	1.8	1.0	541.8	350.4	301.0	12.0	2203.4	5.4	SEVERA		
Tomatlán	4.3	1.1	2.1	1.1	460.5	412.1	219.2	11.0	1676.3	5.7	MUY SEVERA		
Tonayán	4.5	0.5	3.0	0.8	655.7	228.9	218.5	18.0	994.0	5.0	EXTREMADAMENTE SEVERA		
Totutla	6.5	3.3	3.0	1.6	689.2	516.7	229.7	13.0	1525.7	4.9	EXTREMADAMENTE SEVERA		
Tuxpam	4.6	2.1	2.5	1.5	499.1	374.6	199.6	13.0	1231.5	3.5	MUY SEVERA		
Tuxtilla	3.5	1.2	1.7	1.0	451.3	351.9	265.4	15.0	1493.7	1.9	SEVERA		
Ursulo Galván	4.3	1.9	2.2	1.2	312.3	254.1	141.9	15.0	776.4	5.0	MUY SEVERA		
Vega de Alatorre	5.1	3.5	2.6	3.7	714.4	1169.0	274.7	20.0	1068.9	5.3	MUY SEVERA		
Veracruz	5.2	0.9	2.8	1.4	434.4	292.0	155.1	14.0	884.7	4.4	MUY SEVERA		
Villa Aldama	4.0	1.5	2.5	1.5	378.4	313.6	151.3	12.0	1027.9	5.8	MUY SEVERA		
Xoxocotla	3.1	0.9	1.6	1.0	173.3	109.1	108.3	15.0	576.1	4.2	SEVERA		
Yanga	3.8	1.2	1.8	1.0	358.3	271.7	199.0	12.0	1442.8	5.5	SEVERA		
Yecuatla	6.5	4.5	3.4	3.8	768.2	1009.0	225.9	14.0	1312.5	3.4	EXTREMADAMENTE SEVERA		
Zacualpan	3.5	0.9	1.8	0.9	370.8	279.6	206.0	14.0	1170.9	4.8	SEVERA		
Zaragoza	2.7	0.6	1.3	0.6	470.9	459.9	362.2	15.0	2049.8	4.8	SEVERA		
Zentla	3.5	1.4	1.7	1.3	410.6	497.0	241.5	12.0	1660.4	5.6	SEVERA		
Zongolica	3.1	0.8	1.5	1.3	451.3	672.4	300.8	16.0	1559.0	5.9	SEVERA		
Zontecomatlán	3.5	0.9	1.8	0.9	370.8	279.6	206.0	14.0	1170.9	4.8	SEVERA		
Zozocolco de Hidalgo	3.5	1.9	2.1	1.0	451.8	233.7	215.1	13.0	1438.9	3.4	MUY SEVERA		
Agua Dulce	2.7	0.6	1.3	0.6	470.9	459.9	362.2	15.0	2049.8	4.8	SEVERA		
Higo, El	5.0	2.4	3.0	0.8	509.3	213.4	169.7	17.0	828.3	5.1	EXTREMADAMENTE SEVERA		
Nanchital de Lázaro Cárdenas del Río	2.7	0.6	1.3	0.6	470.9	459.9	362.2	15.0	2049.8	4.8	SEVERA		
Tres Valles	3.3	1.3	1.5	0.7	535.5	265.8	357.0	25.0	1061.0	5.9	VASTA		
Estatal	3.8	2.1	2.5	1.5	260.5	226.1	104.1	6.0	1406.2	4.8	MODERADA		

Tabla C.231. Características de la sequía promedio de cada municipio del estado de Veracruz.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de $I_{máx}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_c	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Acajete	1035.2	5.0	207.0	18.0	251.4	4.0	22.0	50.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0
Acatlán	1926.4	8.0	240.8	15.0	306.9	2.0	20.0	40.0	40.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
Acayucan	976.8	5.0	195.3	12.0	362.3	1.0	22.0	40.0	0.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
Actopan	503.4	2.0	251.7	28.0	326.2	1.0	36.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Acuña	1732.4	4.0	433.1	32.0	433.1	4.0	32.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Acultzingo	643.1	3.0	214.3	25.0	222.1	1.0	26.0	40.0	0.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Camarón de T.	2924.2	6.0	487.3	32.0	487.3	6.0	32.0	42.8	28.5	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Alpatláhuac	1321.7	3.0	440.5	23.0	440.5	3.0	23.0	42.8	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Alto Lucero	577.4	5.0	115.4	7.0	438.9	1.0	29.0	40.0	40.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Altotonga	1430.0	6.0	238.3	15.0	320.0	1.0	20.0	50.0	25.0	0.0	0.0	12.5	12.5	0.0	0.0	0.0	0.0
Alvarado	974.3	4.0	243.5	14.0	665.7	1.0	38.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Amatlán	1732.4	4.0	433.1	32.0	433.1	4.0	32.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Naranjos A.	1059.2	4.0	264.8	17.0	554.6	1.0	35.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Amatlán Reyes	885.7	4.0	221.4	13.0	276.5	1.0	16.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Angel R. C.	2725.5	7.0	389.3	16.0	794.1	1.0	33.0	50.0	33.3	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Antigua, La	602.7	3.0	200.9	17.0	388.2	1.0	33.0	28.5	14.2	57.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agazapan	581.3	3.0	193.7	19.0	218.7	2.0	22.0	14.2	42.8	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aguila	380.2	4.0	95.0	13.0	316.6	1.0	46.0	60.0	20.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Astancinga	380.2	4.0	95.0	13.0	316.6	1.0	46.0	60.0	20.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Atlahuilco	380.2	4.0	95.0	13.0	316.6	1.0	46.0	60.0	20.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Atoyac	885.7	4.0	221.4	13.0	276.5	1.0	16.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Atzacan	1062.7	1.0	1062.7	54.0	1062.7	1.0	54.0	87.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Atzacán	1472.5	6.0	245.4	14.0	522.9	1.0	31.0	60.0	30.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
Tlaltetela	1430.6	5.0	286.1	18.0	337.0	1.0	22.0	40.0	0.0	0.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0
Ayahualulco	2533.7	5.0	506.7	24.0	506.7	5.0	24.0	40.0	0.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
Banderilla	1410.6	4.0	352.6	30.0	352.6	4.0	30.0	33.3	16.6	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Benito Juárez	834.6	4.0	208.6	13.0	424.2	1.0	27.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Boca del Río	915.3	6.0	152.5	11.0	371.3	2.0	26.0	42.8	28.5	0.0	14.2	0.0	14.2	0.0	0.0	0.0	0.0
Calcahualco	1321.7	3.0	440.5	23.0	440.5	3.0	23.0	42.8	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Camerino Z. M.	571.3	4.0	142.8	19.0	323.2	1.0	44.0	55.5	22.2	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.232. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Veracruz.

Municipio	Características máximas de la sequía meteorológica municipal						Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I^*	Intensidad	Duración / máx	% de $I_{máx}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I^*(mm/año)$	respecto a X_0	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_0	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Carrillo Puerto	2048.3	5.0	409.6	22.0	535.9	1.0	28.0	85.7	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Catemaco	1268.6	4.0	317.1	11.0	993.4	1.0	36.0	50.0	37.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Cazones de H	943.9	6.0	157.3	12.0	231.8	4.0	17.0	42.8	14.2	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0
Cerro Azul	1059.2	4.0	264.8	17.0	554.6	1.0	35.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Cittaltépec	1059.2	4.0	264.8	17.0	554.6	1.0	35.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Coacoatzintla	1052.8	4.0	263.2	19.0	263.2	4.0	19.0	25.0	0.0	0.0	50.0	0.0	0.0	25.0	0.0	0.0	0.0
Coahuatlán	2148.8	6.0	358.1	14.0	465.9	1.0	19.0	62.5	12.5	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Coatepec	776.7	3.0	258.9	17.0	337.0	1.0	23.0	42.8	28.5	14.2	0.0	0.0	0.0	14.2	0.0	0.0	0.0
Coatzacoalcos	1371.0	1.0	1371.0	56.0	1371.0	1.0	56.0	77.7	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coatzintla	776.5	3.0	258.8	20.0	339.4	2.0	27.0	44.4	22.2	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coetzala	1302.4	1.0	1302.4	52.0	1302.4	1.0	52.0	55.5	11.1	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Colipa	3312.0	11.0	301.0	22.0	392.2	1.0	29.0	83.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Comapa	2924.2	6.0	487.3	32.0	487.3	6.0	32.0	42.8	28.5	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Córdoba	530.3	2.0	265.1	15.0	425.8	1.0	25.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cosamaloapan	867.0	3.0	289.0	17.0	334.2	2.0	20.0	16.6	33.3	33.3	6.6	0.0	0.0	0.0	0.0	0.0	0.0
Cosautlán de C	1547.9	5.0	309.5	17.0	361.1	1.0	20.0	40.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Coscomatepec	1321.7	3.0	440.5	23.0	440.5	3.0	23.0	42.8	14.2	28.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0
Cosoleacaque	1371.0	1.0	1371.0	56.0	1371.0	1.0	56.0	77.7	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coixtlaxtlá	944.7	2.0	472.3	41.0	472.3	2.0	41.0	42.8	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coxquihui	849.8	3.0	283.2	15.0	387.4	2.0	21.0	50.0	30.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Coyutla	2148.8	6.0	358.1	14.0	465.9	1.0	19.0	62.5	12.5	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Cuichapa	775.8	4.0	193.9	13.0	517.5	1.0	34.0	33.3	50.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Cuicatlan	2048.3	5.0	409.6	22.0	535.9	1.0	28.0	85.7	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Chacallianguis	736.0	3.0	245.3	17.0	245.3	3.0	17.0	0.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Chalma	1002.1	5.0	200.4	14.0	488.8	2.0	35.0	33.3	50.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Chiconamel	1133.3	4.0	283.3	20.0	456.3	1.0	32.0	50.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0
Chiconquiaco	1926.4	8.0	240.8	15.0	306.9	2.0	20.0	40.0	40.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
Chicontepec	2841.7	7.0	405.9	22.0	489.5	4.0	27.0	57.1	14.2	0.0	14.2	0.0	0.0	14.2	0.0	0.0	0.0
Chinameca	1343.9	6.0	223.9	12.0	464.9	2.0	26.0	28.5	57.1	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Chinampa	1059.2	4.0	264.8	17.0	554.6	1.0	35.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.232. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Veracruz.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^s / S _{máx} / D _{máx}	% de I ^s	Intensidad	Duración / máx	% de I ^s	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S _{máx} (mm)	D _{máx} (años)	I ^s (mm/año)	respecto a X _s	I _{máx} (mm/año)	D _{máx} (años)	respecto a X _s	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Choapas, Las	4211.3	8.0	526.4	20.0	1526.8	1.0	58.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
Chocomán	1382.9	4.0	345.7	18.0	524.3	2.0	28.0	0.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Chontla	1059.2	4.0	264.8	17.0	554.6	1.0	35.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Chumatlán	956.6	5.0	191.3	13.0	273.2	1.0	19.0	28.5	14.2	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Emiliano Zapata	770.5	6.0	128.4	14.0	265.2	1.0	29.0	60.0	0.0	0.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0
Espinal	956.6	5.0	191.3	13.0	273.2	1.0	19.0	28.5	14.2	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Filomeno Mata	2148.8	6.0	358.1	14.0	465.9	1.0	19.0	62.5	12.5	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Fortín	530.3	2.0	265.1	15.0	426.8	1.0	25.0	80.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gutiérrez Zamora	1126.4	6.0	187.7	14.0	242.4	2.0	18.0	42.8	14.2	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0
Hidalgo Itlán	2066.2	3.0	688.7	28.0	1311.3	1.0	53.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Huatusco	890.2	2.0	445.1	23.0	606.0	1.0	31.0	80.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Huayacocotla	779.1	3.0	259.7	18.0	434.3	1.0	31.0	50.0	12.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hueyepan	1291.8	8.0	161.4	10.0	393.9	2.0	26.0	0.0	66.6	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0
Huiloapan	892.9	3.0	297.6	13.0	297.6	3.0	13.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ignacio Llave	602.8	2.0	301.4	22.0	341.0	1.0	25.0	37.5	62.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Llamatlán	779.1	3.0	259.7	18.0	434.3	1.0	31.0	50.0	12.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Isla	769.8	5.0	153.9	12.0	227.2	2.0	18.0	50.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0
Ixcatepec	1059.2	4.0	264.8	17.0	554.6	1.0	35.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Ixhuacán	2533.7	5.0	506.7	24.0	506.7	5.0	24.0	40.0	0.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
Ixhuatlán	890.2	2.0	445.1	23.0	606.0	1.0	31.0	80.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ixhuatlancillo	1321.7	3.0	440.5	23.0	440.5	3.0	23.0	42.8	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Ixhuatlán Ste	1371.0	1.0	1371.0	56.0	1371.0	1.0	56.0	77.7	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ixhuatlán Mdo	1081.1	4.0	270.2	17.0	381.7	2.0	25.0	0.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Ixmiquilpan	751.8	3.0	250.6	18.0	460.0	1.0	33.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ixtaczoquitlán	1062.7	1.0	1062.7	54.0	1062.7	1.0	54.0	87.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jalacingo	1305.6	6.0	217.6	15.0	446.4	1.0	32.0	50.0	16.6	0.0	16.6	0.0	16.6	0.0	0.0	0.0	0.0
Xalapa	1198.2	8.0	149.7	11.0	331.3	3.0	25.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0
Jalcomulco	581.3	3.0	193.7	19.0	218.7	2.0	22.0	14.2	42.8	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jáltipan	1260.0	2.0	630.0	29.0	630.0	2.0	29.0	33.3	50.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Jamapa	915.3	6.0	152.5	11.0	371.3	2.0	26.0	42.8	28.5	0.0	14.2	0.0	14.2	0.0	0.0	0.0	0.0

Tabla C.232. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Veracruz.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I^*	Intensidad	Duración / $m\acute{a}x$	% de $I_{m\acute{a}x}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I^*(mm/a\acute{o})$	respecto a X_0	$I_{m\acute{a}x}(mm/a\acute{o})$	$D_{m\acute{a}x}(a\acute{o}s)$	respecto a X_0	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Jesús Carranza	1672.6	1.0	1672.6	75.0	1672.6	1.0	75.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Xico	1223.1	4.0	305.7	18.0	305.7	4.0	18.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Jilotepec	2116.8	8.0	264.6	18.0	264.6	3.0	18.0	60.0	0.0	0.0	0.0	20.0	0.0	0.0	20.0	0.0	0.0
Juan Rguez C	848.0	5.0	169.6	13.0	169.6	5.0	13.0	0.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0
Juchique	753.2	2.0	376.6	22.0	376.6	2.0	22.0	44.4	33.3	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Landero y Coss	1926.4	8.0	240.8	15.0	306.9	2.0	20.0	40.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lerdo de Tejeda	2725.5	7.0	389.3	16.0	794.1	1.0	33.0	50.0	33.3	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Magdalena	1302.4	1.0	1302.4	52.0	1302.4	1.0	52.0	55.5	11.1	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Maltrata	380.2	4.0	95.0	13.0	316.6	1.0	46.0	60.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Manlio Fabio A	1060.1	5.0	212.0	19.0	339.0	1.0	30.0	42.8	42.8	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Mariano E.	1321.7	3.0	440.5	23.0	440.5	3.0	23.0	42.8	14.2	28.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0
Martínez de la T	2120.4	10.0	212.0	14.0	212.0	10.0	14.0	33.3	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6
Mecatán	3174.4	6.0	529.0	22.0	529.0	6.0	22.0	57.1	28.5	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Mecayapan	1343.9	6.0	223.9	12.0	464.9	2.0	26.0	28.5	57.1	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Medellín	737.6	4.0	184.4	12.0	289.6	2.0	19.0	37.5	25.0	12.5	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Miahuatlán	929.2	2.0	464.6	38.0	464.6	2.0	38.0	0.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Minas, Las	1004.1	4.0	251.0	21.0	476.4	1.0	40.0	42.8	14.2	0.0	28.5	14.2	0.0	0.0	0.0	0.0	0.0
Minatitlán	2616.4	5.0	523.2	23.0	676.4	1.0	29.0	75.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Misantla	2093.9	9.0	232.6	13.0	518.6	1.0	29.0	40.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	20.0	0.0
Mixtla	1359.7	3.0	453.2	28.0	554.1	2.0	35.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Moloacán	1371.0	1.0	1371.0	56.0	1371.0	1.0	56.0	77.7	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Naolinco	1099.2	8.0	137.4	18.0	255.9	2.0	34.0	33.3	33.3	0.0	6.6	0.0	0.0	0.0	16.6	0.0	0.0
Naranjal	1302.4	1.0	1302.4	52.0	1302.4	1.0	52.0	55.5	11.1	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Nautla	843.2	2.0	421.6	32.0	421.6	2.0	32.0	70.0	20.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
Nogales	380.2	4.0	95.0	13.0	316.6	1.0	46.0	60.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oluta	1260.0	2.0	630.0	29.0	630.0	2.0	29.0	33.3	50.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0
Ormeaca	2048.3	5.0	409.6	22.0	535.9	1.0	28.0	85.7	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Orizaba	892.9	3.0	297.6	13.0	297.6	3.0	13.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Otlatitlán	761.8	1.0	761.8	39.0	761.8	1.0	39.0	63.6	27.2	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Oteapan	744.4	3.0	248.1	13.0	563.4	1.0	30.0	50.0	37.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.232. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Veracruz.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I = S_{máx}/D_{máx}$	% de I	Intensidad	Duración / máx	% de $I / máx$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I (mm/año)$	respecto a X_0	$I_{máx}(mm/año)$	$D_{máx}(años)$	respecto a X_0	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Ozuluama	704.0	4.0	176.0	17.0	221.5	1.0	21.0	33.3	16.6	0.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0
Pajapan	1343.9	6.0	223.9	12.0	464.9	2.0	26.0	28.5	57.1	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Pánuco	786.6	4.0	196.6	19.0	200.1	1.0	20.0	20.0	20.0	0.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0
Papantla	1095.4	6.0	182.5	14.0	291.4	2.0	22.0	37.5	25.0	25.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0
Paso del Macho	1578.6	5.0	315.7	16.0	530.6	1.0	28.0	77.7	0.0	11.1	0.0	11.1	0.0	0.0	0.0	0.0	0.0
Paso de Ovejas	985.4	5.0	197.0	18.0	338.6	1.0	31.0	42.8	14.2	14.2	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Perla, La	1321.7	3.0	440.5	23.0	440.5	3.0	23.0	42.8	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Perote	1223.1	4.0	305.7	18.0	305.7	4.0	18.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Platón Sánchez	1002.1	5.0	200.4	14.0	488.8	2.0	35.0	33.3	50.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Playa Vicente	1029.3	2.0	514.5	27.0	514.6	2.0	27.0	50.0	37.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Poza Rica	776.5	3.0	258.8	20.0	339.4	2.0	27.0	44.4	22.2	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vigas, Las	1004.1	4.0	251.0	21.0	476.4	1.0	40.0	42.8	14.2	0.0	28.5	14.2	0.0	0.0	0.0	0.0	0.0
Pueblo Viejo	2710.9	8.0	338.8	25.0	457.1	1.0	34.0	66.6	16.6	0.0	0.0	0.0	0.0	0.0	16.6	0.0	0.0
Puente Nacional	640.5	3.0	213.5	21.0	543.0	1.0	54.0	50.0	16.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Rafael Delgado	1745.5	4.0	436.3	28.0	651.0	1.0	42.0	66.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Rafael Lucio	2116.8	8.0	264.6	18.0	264.6	8.0	18.0	60.0	0.0	0.0	0.0	20.0	0.0	0.0	20.0	0.0	0.0
Reyes, Los	380.2	4.0	95.0	13.0	316.6	1.0	46.0	60.0	20.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Río Blanco	892.9	3.0	297.6	13.0	297.6	3.0	13.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Saltabarranca	2725.5	7.0	389.3	16.0	794.1	1.0	33.0	50.0	33.3	0.0	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Sn Andrés T.	1302.4	1.0	1302.4	52.0	1302.4	1.0	52.0	55.5	11.1	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0
San Andrés T	3455.0	5.0	691.0	25.0	1119.7	1.0	41.0	75.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Sn J Evangelista	1323.1	5.0	264.6	16.0	302.5	3.0	18.0	40.0	0.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
Santiago Tuxtla	2583.0	4.0	645.7	23.0	1048.6	1.0	37.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Saluya	2066.2	3.0	688.7	28.0	1311.3	1.0	53.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soconusco	1343.9	6.0	223.9	12.0	464.9	2.0	26.0	28.5	57.1	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Sochiapa	890.2	2.0	445.1	23.0	606.0	1.0	31.0	80.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Soledad Atzompa	380.2	4.0	95.0	13.0	316.6	1.0	46.0	60.0	20.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Soledad Doblado	753.8	5.0	150.7	13.0	253.1	2.0	23.0	37.5	37.5	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Soteapan	1268.6	4.0	317.1	11.0	993.4	1.0	36.0	50.0	37.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Tamalín	820.2	4.0	205.0	20.0	205.0	4.0	20.0	20.0	20.0	0.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0

Tabla C.232. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Veracruz.

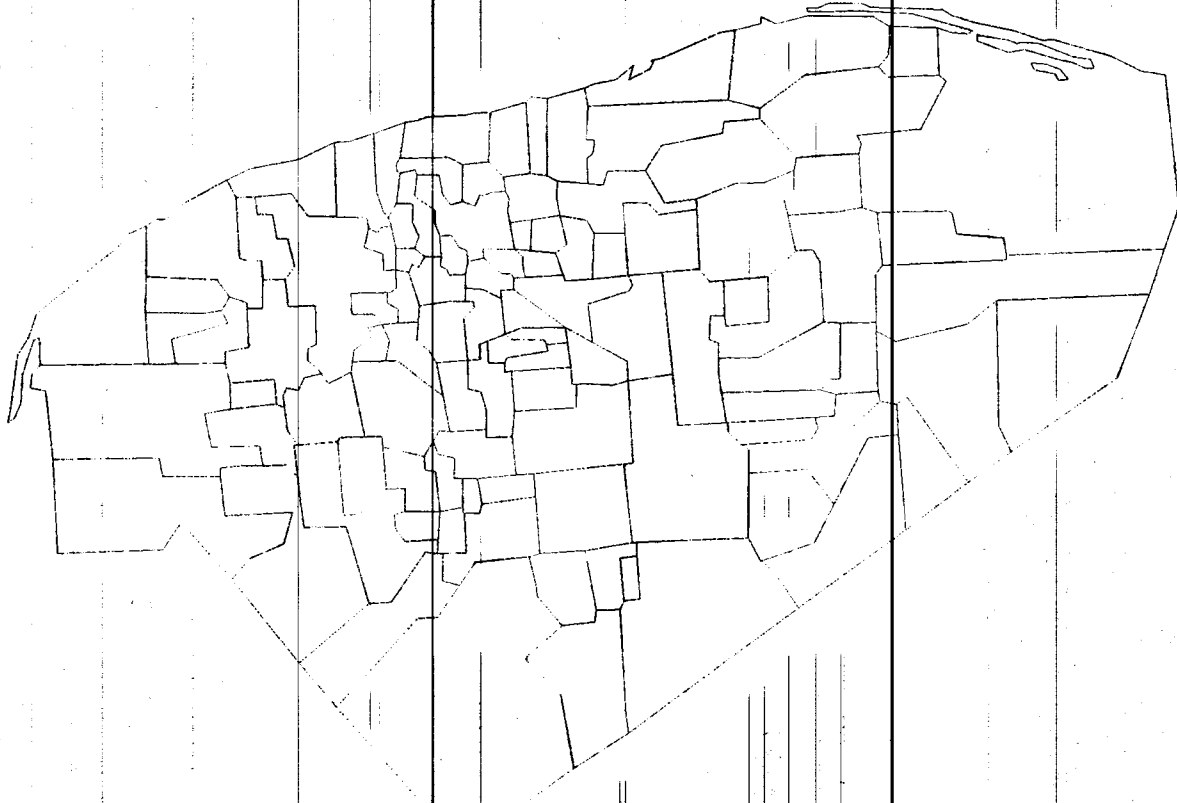
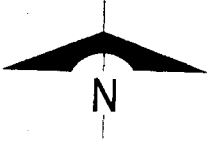
Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^m S _{máx} /D _{máx}	% de I ^m	Intensidad	Duración / máx	% de I ^m	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S _{máx} (mm)	D _{máx} (años)	I ^m (mm/año)	respecto a X _m	I ^m / máx(mm/año)	D _{máx} (años)	respecto a X _m	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Tamiahua	1274.0	5.0	254.8	17.0	254.8	5.0	17.0	50.0	0.0	16.6	0.0	16.6	16.6	0.0	0.0	0.0	0.0
Tampico Alto	820.2	4.0	205.0	20.0	205.0	4.0	20.0	20.0	20.0	0.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0
Tancoco	1059.2	4.0	264.8	17.0	554.6	1.0	35.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Tantíma	940.8	4.0	235.2	14.0	573.9	1.0	36.0	50.0	25.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
Tantoyuca	1078.8	4.0	269.7	24.0	287.8	2.0	25.0	33.3	16.6	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Tatahila	1004.1	4.0	251.0	21.0	476.4	1.0	40.0	42.8	14.2	0.0	28.5	14.2	0.0	0.0	0.0	0.0	0.0
Castillo de T	551.9	3.0	183.9	14.0	183.9	3.0	14.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tecolutla	1126.4	6.0	187.7	14.0	242.4	2.0	18.0	42.8	14.2	14.2	4.2	0.0	14.2	0.0	0.0	0.0	0.0
Tehuipango	1359.7	3.0	453.2	28.0	554.1	2.0	35.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Temapache	697.3	1.0	697.3	56.0	697.3	1.0	56.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tempoal	1050.4	4.0	262.6	23.0	280.7	2.0	25.0	20.0	20.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
Tenampa	1547.9	5.0	309.5	17.0	361.1	1.0	20.0	40.0	0.0	0.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0
Tenochtitlán	1430.0	6.0	238.3	15.0	320.0	1.0	20.0	50.0	25.0	0.0	0.0	12.5	12.5	0.0	0.0	0.0	0.0
Teocelo	1643.6	4.0	410.9	20.0	410.9	4.0	20.0	42.8	42.8	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0
Tepatlaxco	1143.5	3.0	381.1	14.0	955.9	1.0	38.0	66.6	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tepetitán	1099.2	8.0	137.4	18.0	255.9	2.0	34.0	33.3	33.3	0.0	16.6	0.0	0.0	0.0	16.6	0.0	0.0
Tepetzintla	1059.2	4.0	264.8	17.0	554.6	1.0	35.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Tequila	380.2	4.0	95.0	13.0	316.6	1.0	46.0	60.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
José Azueta	1486.3	7.0	212.3	14.0	308.8	1.0	20.0	50.0	16.6	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0
Texcatepec	779.1	3.0	259.7	18.0	434.3	1.0	31.0	50.0	12.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Texhuacán	1359.7	3.0	453.2	28.0	554.1	2.0	35.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Texistepec	1260.0	2.0	630.0	29.0	630.0	2.0	29.0	33.3	50.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Tezonapa	2836.9	5.0	567.3	27.0	567.3	5.0	27.0	87.5	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Tierra Blanca	499.0	2.0	249.5	18.0	249.5	2.0	18.0	22.2	66.6	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tihuatlán	943.9	6.0	157.3	12.0	231.8	4.0	17.0	42.8	14.2	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0
Tlacojalpan	1065.8	1.0	1065.8	60.0	1065.8	1.0	60.0	55.5	22.2	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Tlacolulan	786.2	4.0	196.5	19.0	196.5	4.0	19.0	28.5	28.5	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Tlacotalpan	1027.8	2.0	513.9	31.0	513.9	2.0	31.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Tlacotepec	1443.9	4.0	360.9	22.0	360.9	4.0	22.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Tlachichilco	927.8	4.0	231.9	13.0	390.1	2.0	22.0	14.2	42.8	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.232. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Veracruz.

Municipio	Características máximas de la sequía meteorológica municipal						Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad	Duración	$I^* = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I^*	Intensidad	Duración / $m\acute{a}x$	% de $I^*_{m\acute{a}x}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I^*(mm/a\acute{o})$	respecto a X_c	$I^*(mm/a\acute{o})$	$D_{m\acute{a}x}(a\acute{o}s)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Tlalixcoyan	1222.3	6.0	203.7	15.0	250.5	1.0	18.0	66.6	16.6	0.0	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Tlalnahuayocan	2116.8	8.0	264.6	18.0	264.6	8.0	18.0	60.0	0.0	0.0	0.0	20.0	0.0	0.0	20.0	0.0	0.0
Tlapacoyan	1472.5	6.0	245.4	14.0	522.9	1.0	31.0	60.0	30.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
Tlaquilpan	380.2	4.0	95.0	13.0	316.6	1.0	46.0	60.0	20.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Tillapan	1302.4	1.0	1302.4	52.0	1302.4	1.0	52.0	55.5	11.1	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Tomatlán	1321.7	3.0	440.5	23.0	440.5	3.0	23.0	42.8	14.2	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Tonayán	929.2	2.0	464.6	38.0	464.6	2.0	38.0	0.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Totutla	1547.9	5.0	309.5	17.0	361.1	1.0	20.0	40.0	0.0	0.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0
Tuxpam	1294.8	6.0	215.8	15.0	337.1	2.0	23.0	28.5	28.5	28.5	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Tuxtilla	1065.8	1.0	1065.8	60.0	1065.8	1.0	60.0	55.5	22.2	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Ursulo Galván	853.3	4.0	213.3	23.0	308.0	1.0	33.0	42.8	14.2	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Vega de Alatorre	3312.0	11.0	301.0	22.0	392.2	1.0	29.0	83.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Veracruz	930.7	5.0	186.1	17.0	262.5	1.0	25.0	33.3	0.0	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0
Villa Aldama	1004.1	4.0	251.0	21.0	476.4	1.0	40.0	42.8	14.2	0.0	28.5	14.2	0.0	0.0	0.0	0.0	0.0
Xoxocolla	380.2	4.0	95.0	13.0	316.6	1.0	46.0	60.0	20.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Yanga	885.7	4.0	221.4	13.0	276.5	1.0	16.0	50.0	25.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Yecuatla	2748.6	11.0	249.8	16.0	296.9	1.0	19.0	60.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zacualpan	779.1	3.0	259.7	18.0	434.3	1.0	31.0	50.0	12.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zaragoza	1371.0	1.0	1371.0	56.0	1371.0	1.0	56.0	77.7	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zentla	1665.6	5.0	333.1	17.0	537.4	1.0	28.0	75.0	0.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Zongolica	2048.3	5.0	409.6	22.0	535.9	1.0	28.0	85.7	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Zontecomatlán	779.1	3.0	259.7	18.0	434.3	1.0	31.0	50.0	12.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zozocolco	753.4	2.0	376.7	22.0	376.7	2.0	22.0	37.5	25.0	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
Agua Dulce	1371.0	1.0	1371.0	56.0	1371.0	1.0	56.0	77.7	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Higo, El	884.2	4.0	221.0	22.0	221.0	4.0	22.0	0.0	40.0	20.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
Nanchital	1371.0	1.0	1371.0	56.0	1371.0	1.0	56.0	77.7	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tres Valles	1112.7	2.0	556.3	39.0	556.3	2.0	39.0	57.1	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Estatad	778.3	6.0	129.7	8.0	270.3	1.0	17.0	28.5	28.5	28.5	0.0	0.0	14.2	0.0	0.0	0.0	0.0

Tabla C.232. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Veracruz.

YUCATÁN



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima registrada	Tr(años)
	Media X _c (mm)	Mediana (mm)	Desv Std S(mm)	Coeficientes g k Cv			2 años Hp(mm)	5 años Hp(mm)	10 años Hp(mm)	20 años Hp(mm)	50 años Hp(mm)	100 años Hp(mm)	primer decil	Hp min(mm)	Hp min
HA31002	1004.4	1013.8	129.3	-0.7	5.1	0.13	1009.0	916.0	857.0	802.0	731.0	677.0	67.8	649.7	143.6
HA31003	1098.9	1099.0	191.7	1.1	6.9	0.17	1102.0	955.0	853.0	748.0	591.0	443.0	9.0	774.2	16.9
HA31004	621.9	589.3	204.9	0.7	4.9	0.33	945.0	461.0	407.0	313.0	138.0	2.0	10.7	327.0	18.4
HA31005	1000.6	986.4	182.5	-0.4	3.3	0.18	990.0	843.0	771.0	705.0	622.0	561.0	23.2	629.5	46.2
HA31007	540.4	575.0	147.3	-0.2	2.3	0.27	976.0	400.0	344.0	295.0	233.0	188.0	12.2	281.2	24.3
HA31008	1141.6	1096.1	164.8	-0.1	3.0	0.14	1099.0	1015.0	972.0	933.0	882.0	842.0	62.4	806.6	183.8
HA31010	642.2	670.3	179.8	-0.4	3.2	0.28	950.0	519.0	437.0	359.0	257.0	180.0	17.7	308.6	31.3
HA31011	1215.0	1171.6	311.1	2.1	11.5	0.26	1185.0	1024.0	916.0	809.0	656.0	523.0	21.3	624.5	59.7
HA31012	728.2	751.5	184.4	-0.4	3.6	0.25	743.0	602.0	514.0	431.0	324.0	244.0	26.7	322.6	50.8
HA31013	1047.1	1073.8	161.0	-0.3	3.1	0.15	1064.0	919.0	830.0	746.0	638.0	558.0	9.8	780.0	15.0
HA31015	1009.8	936.8	277.8	0.6	3.3	0.28	959.0	830.0	750.0	674.0	577.0	505.0	19.1	578.4	49.5
HA31017	996.4	1022.0	307.5	-0.1	3.9	0.31	1012.0	789.0	643.0	500.0	311.0	166.0	17.0	407.0	31.5
HA31018	1011.1	1011.0	243.2	-0.9	5.8	0.24	1016.0	817.0	687.0	563.0	400.0	276.0	45.5	305.7	84.8
HA31020	982.1	930.7	268.2	0.6	4.3	0.27	980.0	773.0	638.0	507.0	335.0	203.0	12.0	489.8	21.9
HA31021	844.7	839.0	226.4	-0.2	2.8	0.27	837.0	648.0	545.0	451.0	331.0	241.0	19.8	367.8	37.6
HA31022	1044.1	1050.0	154.8	-0.2	4.1	0.15	930.2	793.3	702.7	615.8	503.2	418.9	7.6	666.0	13.4
HA31024	623.6	575.5	209.8	0.4	4.5	0.34	976.0	499.0	337.0	169.0	0.0	0.0	11.0	222.0	16.0
HA31025	1172.7	1127.3	246.8	0.8	4.4	0.21	1112.0	991.0	919.0	852.0	767.0	702.0	7.2	878.1	15.3
HA31027	999.0	1012.0	196.4	-0.2	3.3	0.20	1003.0	856.0	764.0	676.0	563.0	478.0	17.2	624.8	30.2
HA31029	544.1	543.3	202.4	0.7	4.5	0.37	929.0	367.0	247.0	112.0	0.0	0.0	5.9	256.6	9.5
HA31030	1163.4	1218.9	211.9	0.0	2.6	0.18	1007.5	820.1	696.0	577.0	423.0	307.6	3.5	813.5	5.2
HA31031	552.2	527.0	205.7	0.4	4.1	0.37	924.0	385.0	292.0	194.0	48.0	0.0	11.5	185.0	21.3
HA31032	1039.2	1041.0	188.0	-0.4	2.4	0.18	1048.0	866.0	790.0	720.0	633.0	568.0	18.2	667.1	34.8
HA31033	1043.1	1021.9	198.0	-0.1	2.6	0.19	1032.0	879.0	796.0	720.0	623.0	551.0	13.0	697.8	24.6
HA31034	1188.3	1188.0	275.3	0.1	3.7	0.23	1180.0	985.0	862.0	745.0	595.0	483.0	17.7	667.0	32.2
HA31035	1000.9	1017.7	218.8	-0.3	4.0	0.22	1003.0	850.0	750.0	650.0	513.0	402.0	37.1	462.2	69.0
HA31037	1044.5	1030.0	242.4	0.5	4.6	0.23	1021.0	877.0	786.0	699.0	587.0	503.0	42.7	499.0	103.6
HA31038	927.9	978.3	236.8	-0.2	2.9	0.26	962.0	676.0	603.0	539.0	451.0	378.0	8.7	538.0	20.1
HA31040	708.3	708.0	203.2	-0.3	3.3	0.29	719.0	548.0	442.0	341.0	212.0	115.0	20.6	257.0	36.3
HA31042	1129.0	1073.2	279.1	0.3	3.0	0.25	1086.0	898.0	792.0	692.0	561.0	462.0	8.1	731.3	15.2
HA31042	1129.0	1073.2	279.1	0.3	3.0	0.25	1086.0	898.0	792.0	692.0	561.0	462.0	8.1	731.3	15.2
HA31044	954.5	967.2	169.2	-0.1	3.1	0.18	944.0	819.0	744.0	673.0	583.0	515.0	18.6	617.2	35.2
HA31045	1183.7	1184.0	254.8	0.1	3.7	0.22	1189.0	1024.0	919.0	819.0	690.0	593.0	29.6	651.0	66.0
HA31051	955.2	872.3	201.7	0.6	4.6	0.21	900.0	835.0	812.0	780.0	677.0	569.0	37.4	650.6	59.4
HA31054	1179.6	1130.5	202.3	0.9	5.5	0.17	1121.0	1012.0	949.0	885.0	789.0	704.0	4.3	964.4	8.5

Tabla C.233. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Yucatán.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA31002	707.3	764.8	822.4	880.0	937.6	995.1	1052.7	1110.3	1167.8	1225.4	4.5	0.0	0.0	13.6	4.5	22.7	18.1	18.1	9.0	9.0
HA31003	868.0	961.8	1055.5	1149.3	1243.1	1336.9	1430.7	1524.4	1618.2	1712.0	8.0	20.0	8.0	28.0	20.0	12.0	0.0	0.0	0.0	4.0
HA31004	400.1	473.2	546.3	619.4	692.5	765.6	838.7	911.8	984.9	1058.0	8.3	16.6	25.0	0.0	16.6	16.6	0.0	8.3	0.0	8.3
HA31005	691.7	753.9	816.1	878.3	940.5	1002.6	1064.8	1127.0	1189.2	1251.4	6.2	6.2	6.2	0.0	25.0	6.2	6.2	6.2	18.7	18.7
HA31007	329.2	377.3	425.3	473.3	521.3	569.4	617.4	665.4	713.5	761.5	8.6	13.0	4.3	8.6	8.6	4.3	13.0	13.0	17.3	8.6
HA31008	869.4	932.3	995.1	1058.0	1120.8	1183.6	1246.5	1309.3	1372.2	1435.0	8.0	0.0	4.0	24.0	20.0	0.0	12.0	12.0	12.0	8.0
HA31010	372.4	436.2	500.0	563.8	627.7	691.5	755.3	819.1	882.9	946.7	12.0	4.0	8.0	0.0	16.0	16.0	24.0	0.0	12.0	8.0
HA31011	798.2	971.9	1145.7	1319.4	1493.1	1666.8	1840.5	2014.3	2188.0	2361.7	4.0	8.0	36.0	32.0	12.0	0.0	4.0	0.0	0.0	4.0
HA31012	397.4	472.3	547.1	622.0	696.8	771.6	846.5	921.3	996.2	1071.0	4.5	4.5	9.0	4.5	13.6	22.7	18.1	9.0	9.0	4.5
HA31013	832.6	885.2	937.8	990.4	1043.0	1095.5	1148.1	1200.7	1253.3	1305.9	18.7	0.0	6.2	6.2	12.5	12.5	12.5	12.5	12.5	6.2
HA31015	679.2	779.9	880.7	981.4	1082.2	1183.0	1283.7	1384.5	1485.2	1586.0	9.0	9.0	13.6	27.2	13.6	4.5	0.0	4.5	13.6	4.5
HA31017	533.0	659.0	785.1	911.1	1037.1	1163.1	1289.1	1415.2	1541.2	1667.2	12.0	4.0	0.0	16.0	24.0	16.0	16.0	4.0	0.0	8.0
HA31018	416.5	527.3	638.0	748.8	859.6	970.4	1081.2	1191.9	1302.7	1413.5	4.0	0.0	8.0	0.0	4.0	12.0	40.0	16.0	8.0	8.0
HA31020	602.4	715.1	827.7	940.3	1053.0	1165.6	1278.2	1390.8	1503.5	1616.1	8.0	0.0	20.0	24.0	8.0	20.0	12.0	0.0	0.0	8.0
HA31021	451.9	536.0	620.2	704.3	788.4	872.5	956.6	1040.8	1124.9	1209.0	4.0	4.0	12.0	12.0	8.0	16.0	8.0	16.0	8.0	12.0
HA31022	737.7	809.4	881.1	952.8	1024.5	1096.2	1167.9	1239.6	1311.3	1383.0	4.0	0.0	12.0	8.0	20.0	12.0	24.0	16.0	0.0	4.0
HA31024	314.2	406.5	498.7	590.9	683.2	775.4	867.6	959.8	1052.1	1144.3	8.3	4.1	8.3	33.3	12.5	16.6	8.3	0.0	4.1	4.1
HA31025	951.9	1025.8	1099.6	1173.5	1247.3	1321.1	1395.0	1468.8	1542.7	1616.5	20.0	10.0	20.0	20.0	0.0	10.0	0.0	0.0	10.0	10.0
HA31027	694.8	764.7	834.7	904.6	974.6	1044.5	1114.5	1184.4	1254.4	1324.3	5.8	1.7	11.7	0.0	5.8	23.5	17.6	5.8	5.8	11.7
HA31029	340.4	424.3	508.1	592.0	675.8	759.6	843.5	927.3	1011.2	1095.0	20.0	8.0	12.0	24.0	12.0	12.0	4.0	4.0	0.0	4.0
HA31030	886.5	959.4	1032.4	1105.4	1178.4	1251.3	1324.3	1397.3	1470.2	1543.2	8.0	20.0	4.0	0.0	8.0	28.0	12.0	4.0	8.0	8.0
HA31031	273.6	362.1	450.7	539.2	627.8	716.3	804.8	893.4	981.9	1070.5	8.0	8.0	12.0	24.0	16.0	12.0	12.0	0.0	4.0	4.0
HA31032	729.5	791.8	854.2	916.5	978.9	1041.2	1103.6	1165.9	1228.3	1290.6	8.0	4.0	4.0	20.0	4.0	12.0	0.0	8.0	28.0	12.0
HA31033	767.2	836.7	906.1	975.6	1045.0	1114.4	1183.9	1253.3	1322.8	1392.2	12.0	4.0	8.0	12.0	16.0	8.0	8.0	16.0	12.0	4.0
HA31034	765.8	864.6	963.5	1062.3	1161.1	1259.9	1358.7	1457.6	1556.4	1655.2	6.2	6.2	6.2	18.7	6.2	25.0	6.2	6.2	0.0	18.7
HA31035	558.5	654.8	751.2	847.5	943.8	1040.1	1136.4	1232.8	1329.1	1425.4	4.1	0.0	4.1	16.6	8.3	20.8	20.8	12.5	4.1	8.3
HA31037	606.1	713.1	820.2	927.2	1034.3	1141.4	1248.4	1355.5	1462.5	1569.6	4.0	0.0	12.0	8.0	28.0	28.0	4.0	4.0	0.0	12.0
HA31038	617.1	696.2	775.3	854.4	933.5	1012.6	1091.7	1170.8	1249.9	1329.0	11.7	1.7	5.8	5.8	5.8	11.7	23.5	5.8	11.7	5.8
HA31040	337.1	417.2	497.3	577.4	657.5	737.6	817.7	897.8	977.9	1058.0	4.0	4.0	12.0	4.0	12.0	20.0	12.0	16.0	8.0	8.0
HA31042	824.1	916.9	1009.6	1102.4	1195.2	1288.0	1380.8	1473.5	1566.3	1659.1	17.6	5.8	5.8	23.5	11.7	5.8	5.8	11.7	5.8	5.8
HA31042	824.1	916.9	1009.6	1102.4	1195.2	1288.0	1380.8	1473.5	1566.3	1659.1	17.6	5.8	5.8	23.5	11.7	5.8	5.8	11.7	5.8	5.8
HA31044	680.8	744.4	808.0	871.6	935.2	998.7	1062.3	1125.9	1189.5	1253.1	8.0	4.0	4.0	12.0	20.0	16.0	12.0	8.0	0.0	16.0
HA31045	763.2	875.5	987.7	1099.9	1212.2	1324.4	1436.6	1548.8	1661.1	1773.3	10.0	0.0	10.0	16.6	23.3	16.6	10.0	3.3	6.6	3.3
HA31051	720.1	789.7	859.2	928.7	998.2	1067.8	1137.3	1206.8	1276.4	1345.9	9.0	0.0	27.2	18.1	9.0	0.0	18.1	9.0	0.0	9.0
HA31054	1027.8	1091.2	1154.6	1218.0	1281.4	1344.7	1408.1	1471.5	1534.9	1598.3	30.0	0.0	20.0	10.0	10.0	10.0	10.0	0.0	0.0	10.0

Tabla C.234. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Yucatán.

Estación	Características promedio de la sequía meteorológica										Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad PerS(años)	DesvStd PerS(años)	Duración DS(años)	DesvStd DS(años)	Severidad SS(mm)	DesvStd SS(mm)	Intensidad IS(mm/año)	% de IS respecto a X _s	lluvia disponible Hp disp S(mm)	Hp disp S(mm)		
HA31002	3.3	1.4	1.6	0.7	180.3	152.3	112.6	11.0	891.7	6.6	SEVERA	
HA31003	4.0	1.7	1.7	1.1	241.4	214.8	142.0	12.0	956.8	4.9	SEVERA	
HA31004	3.0	1.0	2.0	0.8	326.9	148.0	163.4	26.0	458.4	5.2	MUY VASTA	
HA31005	3.2	0.8	1.5	0.8	245.3	290.8	163.5	16.0	837.1	5.3	SEVERA	
HA31007	2.9	0.9	1.3	0.4	183.3	132.3	141.0	26.0	399.4	5.0	VASTA	
HA31008	3.1	0.8	2.0	1.0	247.9	189.1	123.9	10.0	1017.7	4.8	MODERADA	
HA31010	3.8	2.0	1.4	0.7	244.2	183.5	174.4	27.0	467.8	7.7	VASTA	
HA31011	4.2	2.3	2.6	2.2	392.6	476.8	151.0	12.0	1064.0	3.9	MUY SEVERA	
HA31012	3.3	1.5	1.4	0.7	226.1	289.5	161.5	22.0	566.6	6.6	VASTA	
HA31013	4.3	1.2	1.7	1.2	258.7	264.2	152.1	14.0	894.9	6.0	SEVERA	
HA31015	5.2	1.7	2.6	1.6	471.7	302.7	181.4	17.0	828.3	5.1	MUY SEVERA	
HA31017	5.6	0.4	2.5	1.1	708.8	561.5	283.5	28.0	712.9	7.1	MUY VASTA	
HA31018	5.5	2.2	2.6	1.0	403.5	273.5	155.1	15.0	855.9	4.1	MUY SEVERA	
HA31020	5.0	1.5	3.0	1.4	506.4	300.9	168.8	17.0	813.3	4.1	EXTREMADAMENTE SEVERA	
HA31021	4.5	0.8	2.3	0.4	386.5	165.1	168.0	19.0	676.6	4.2	MUY SEVERA	
HA31022	4.7	2.7	2.0	0.8	251.9	134.4	125.9	12.0	918.2	2.1	MUY SEVERA	
HA31024	3.2	1.3	1.6	1.1	237.8	165.8	148.6	23.0	475.0	5.7	VASTA	
HA31025	2.6	0.4	1.2	0.4	236.0	46.5	196.6	16.0	976.1	5.7	SEVERA	
HA31027	4.6	0.4	1.7	0.8	326.8	210.1	192.2	19.0	806.8	7.2	SEVERA	
HA31029	3.9	1.4	2.1	1.0	316.8	248.6	150.8	27.0	393.3	4.3	MUY VASTA	
HA31030	3.1	1.7	1.4	1.0	313.6	197.6	224.0	19.0	939.4	2.7	SEVERA	
HA31031	4.6	1.8	2.3	1.7	324.9	269.2	141.2	25.0	411.0	4.1	MUY VASTA	
HA31032	5.5	1.5	2.3	1.0	410.9	309.9	178.6	17.0	860.5	5.2	MUY SEVERA	
HA31033	6.0	1.2	2.6	1.0	405.2	250.5	155.8	14.0	887.3	4.7	MUY SEVERA	
HA31034	4.5	2.5	3.3	1.6	543.6	259.3	164.7	13.0	1023.5	4.1	EXTREMADAMENTE SEVERA	
HA31035	4.2	1.4	1.9	1.5	397.3	495.6	209.1	20.0	791.7	7.5	SEVERA	
HA31037	3.8	1.5	1.8	0.9	296.3	286.8	164.6	15.0	879.9	4.9	SEVERA	
HA31038	5.0	1.0	2.3	0.4	552.4	154.0	240.1	25.0	687.8	4.6	MUY VASTA	
HA31040	3.5	1.5	2.5	1.9	388.0	352.8	155.1	21.0	553.2	4.8	MUY VASTA	
HA31042	6.5	0.5	3.0	0.8	638.5	234.7	212.8	18.0	916.2	4.5	EXTREMADAMENTE SEVERA	
HA31042	6.5	0.5	3.0	0.8	638.5	234.7	212.8	18.0	916.2	4.5	EXTREMADAMENTE SEVERA	
HA31044	3.6	1.6	1.7	0.8	239.3	222.5	140.7	14.0	813.7	5.2	SEVERA	
HA31045	4.1	1.3	1.9	1.4	409.6	393.1	215.5	18.0	968.2	7.2	SEVERA	
HA31051	3.0	0.8	1.7	0.4	221.6	123.6	130.3	13.0	824.9	6.8	SEVERA	
HA31054	4.5	2.5	2.0	1.4	265.6	194.0	132.8	11.0	1046.7	3.5	MUY SEVERA	

Tabla C.235. Características de la sequía promedio de cada estación climatológica del estado de Yucatán.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones										
	Severidad	Duración	I^m	$Dmáx$	% de I^m	Intensidad	Duración	% de I^m	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S (mm)	D (años)	I (mm/año)	respecto a X_c	I (mm/año)	D (años)	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA31002	481.5	2.0	240.7	23.0	240.7	2.0	23.0	50.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31003	599.5	4.0	149.8	13.0	324.6	1.0	29.0	71.4	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31004	527.6	3.0	175.8	28.0	175.8	3.0	28.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31005	822.8	3.0	274.2	27.0	274.2	3.0	27.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31007	438.5	2.0	219.2	40.0	219.4	1.0	40.0	62.5	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31008	621.6	4.0	155.4	13.0	202.6	2.0	17.0	42.8	28.5	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31010	589.9	3.0	196.6	30.0	333.6	1.0	51.0	71.4	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31011	1284.6	7.0	183.5	15.0	195.5	4.0	16.0	50.0	16.6	0.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
HA31012	916.1	3.0	305.3	41.0	305.3	3.0	41.0	71.4	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31013	701.4	4.0	175.3	16.0	217.8	1.0	20.0	75.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31015	845.5	5.0	169.1	16.0	410.5	2.0	40.0	40.0	20.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31017	1330.5	3.0	443.5	44.0	443.5	3.0	44.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31018	879.4	3.0	293.1	28.0	293.1	3.0	28.0	20.0	20.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31020	1033.3	5.0	206.6	21.0	233.4	1.0	23.0	20.0	20.0	20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31021	561.8	2.0	280.9	33.0	280.9	2.0	33.0	0.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31022	451.8	3.0	150.6	14.0	378.1	1.0	36.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31024	508.3	3.0	169.4	27.0	401.6	1.0	64.0	75.0	0.0	12.5	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31025	294.6	1.0	294.6	25.0	294.6	1.0	25.0	75.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31027	567.0	3.0	189.0	18.0	248.9	2.0	24.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31029	652.6	4.0	163.1	29.0	235.5	2.0	43.0	33.3	33.3	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31030	752.2	4.0	188.0	16.0	349.9	1.0	30.0	85.7	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31031	830.1	6.0	138.3	25.0	276.7	1.0	50.0	50.0	16.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA31032	811.7	4.0	202.9	19.0	241.9	3.0	23.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31033	880.6	3.0	293.5	28.0	345.3	1.0	33.0	20.0	20.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31034	787.2	5.0	157.4	13.0	184.5	1.0	15.0	33.3	0.0	0.0	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA31035	1378.2	5.0	275.6	27.0	275.6	5.0	27.0	60.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31037	868.6	4.0	217.1	20.0	545.5	1.0	52.0	42.8	42.8	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31038	769.6	3.0	256.5	27.0	256.5	3.0	27.0	0.0	66.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31040	1066.5	5.0	213.3	30.0	261.3	1.0	36.0	60.0	0.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31042	943.7	4.0	235.9	20.0	235.9	4.0	20.0	0.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31042	943.7	4.0	235.9	20.0	235.9	4.0	20.0	0.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31044	729.4	3.0	243.1	25.0	243.1	3.0	25.0	57.1	14.2	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31045	1275.6	5.0	255.1	21.0	429.4	1.0	36.0	57.1	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA31051	419.5	2.0	209.8	21.0	209.8	2.0	21.0	25.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA31054	531.7	4.0	132.9	11.0	190.4	1.0	16.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.236. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Yucatán.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _m (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _{p min} (mm)	H _{p min}
Abala	954.3	963.9	152.8	-0.4	3.5	0.16	958.0	837.0	763.0	693.0	604.0	537.0	25.8	607.0	48.5
Acanceh	1140.5	1141.8	207.7	0.6	5.4	0.18	1125.0	968.0	824.0	642.0	371.0	164.0	8.5	761.5	12.9
Akil	1063.2	1049.1	206.1	-0.1	2.8	0.19	1052.0	896.0	808.0	725.0	620.0	541.0	13.7	697.8	25.3
Baca	968.3	982.8	184.6	-0.2	3.6	0.19	977.0	847.0	754.0	656.0	514.0	399.0	20.8	576.6	33.8
Bokoba	1014.2	960.4	251.3	0.6	3.6	0.25	972.0	812.0	714.0	619.0	492.0	392.0	11.5	592.9	24.2
Buctutz	870.5	900.1	147.8	0.7	5.9	0.17	869.0	747.0	657.0	555.0	375.0	188.0	8.0	617.8	13.3
Cacalchen	1014.2	960.4	251.3	0.6	3.6	0.25	972.0	812.0	714.0	619.0	492.0	392.0	11.5	592.9	24.2
Calotmul	1061.1	1038.2	178.8	0.0	4.1	0.17	1044.0	933.0	865.0	799.0	715.0	653.0	32.0	684.3	70.5
Canahucab	725.5	708.5	181.1	0.3	4.0	0.25	698.0	598.0	524.0	430.0	276.0	151.0	20.6	344.5	33.9
Cantamayec	1096.5	1112.0	190.2	1.2	8.1	0.17	1115.0	1001.0	920.0	835.0	701.0	568.0	16.1	761.5	34.1
Celestun	833.8	852.1	150.3	-0.5	4.2	0.18	852.0	732.0	652.0	575.0	474.0	397.0	33.3	449.7	62.2
Cenotillo	1215.0	1171.6	311.1	2.1	11.5	0.26	1185.0	1024.0	916.0	809.0	656.0	523.0	21.3	624.5	59.7
Conkal	968.3	982.8	184.6	-0.2	3.6	0.19	977.0	847.0	754.0	656.0	514.0	399.0	20.8	576.6	33.8
Cuncunul	1215.0	1171.6	311.1	2.1	11.5	0.26	1185.0	1024.0	916.0	809.0	656.0	523.0	21.3	624.5	59.7
Cuzama	1140.5	1141.8	207.7	0.6	5.4	0.18	1125.0	968.0	824.0	642.0	371.0	164.0	8.5	761.5	12.9
Chacsinkin	1022.2	1013.4	153.8	0.3	2.6	0.15	1004.0	895.0	832.0	773.0	697.0	641.0	7.5	806.5	13.4
Chankom	1215.0	1171.6	311.1	2.1	11.5	0.26	1185.0	1024.0	916.0	809.0	656.0	523.0	21.3	624.5	59.7
Chapab	1041.9	1029.0	188.1	0.5	2.9	0.18	1054.0	834.0	800.0	740.0	593.0	479.0	3.9	783.0	13.0
Chemax	1104.5	1111.3	205.9	0.7	4.9	0.19	1099.0	951.0	850.0	749.0	606.0	485.0	12.0	731.3	22.5
Chicxulub Pueblo	764.4	730.3	151.7	0.9	5.2	0.20	719.0	642.0	579.0	488.0	336.0	216.0	13.0	476.1	21.6
Chichimila	1134.9	1111.0	181.4	0.1	2.4	0.16	1092.0	985.0	928.0	875.0	808.0	758.0	21.5	806.6	51.0
Chikindzonot	1044.1	1050.0	154.8	-0.2	4.1	0.15	930.2	793.3	702.7	615.8	503.2	418.9	7.6	666.0	13.4
Chochola	1040.5	1051.8	188.5	0.1	4.1	0.18	1029.0	897.0	796.0	682.0	507.0	363.0	19.5	605.8	30.3
Chumayel	1127.7	1118.5	217.1	0.9	5.0	0.19	1113.0	985.0	897.0	807.0	671.0	550.0	13.1	761.5	27.6
Dzan	1127.7	1118.5	217.1	0.9	5.0	0.19	1113.0	985.0	897.0	807.0	671.0	550.0	13.1	761.5	27.6
Dzemul	767.2	754.5	209.2	0.4	3.9	0.27	744.0	617.0	519.0	400.0	211.0	58.0	15.0	362.4	24.2
Dzidzantun	725.5	708.5	181.1	0.3	4.0	0.25	698.0	598.0	524.0	430.0	276.0	151.0	20.6	344.5	33.9
Dzilam de Bravo	870.5	900.1	147.8	0.7	5.9	0.17	869.0	747.0	657.0	555.0	375.0	188.0	8.0	617.8	13.3
Dzilam Gonzalez	870.5	900.1	147.8	0.7	5.9	0.17	869.0	747.0	657.0	555.0	375.0	188.0	8.0	617.8	13.3
Dzitas	1215.0	1171.6	311.1	2.1	11.5	0.26	1185.0	1024.0	916.0	809.0	656.0	523.0	21.3	624.5	59.7
Dzoncauich	1215.0	1171.6	311.1	2.1	11.5	0.26	1185.0	1024.0	916.0	809.0	656.0	523.0	21.3	624.5	59.7
Espita	1061.1	1038.2	178.8	0.0	4.1	0.17	1044.0	933.0	865.0	799.0	715.0	653.0	32.0	684.3	70.5
Halacho	1044.8	1028.0	179.3	0.1	4.3	0.17	1027.0	934.0	837.0	710.0	536.0	407.0	18.4	649.1	27.5
Hocaba	1024.8	1002.0	196.2	0.4	2.4	0.19	968.0	853.0	821.0	789.0	737.0	681.0	20.2	722.7	61.2
Hoctun	1024.8	1002.0	196.2	0.4	2.4	0.19	968.0	853.0	821.0	789.0	737.0	681.0	20.2	722.7	61.2
Homun	1140.5	1141.8	207.7	0.6	5.4	0.18	1125.0	968.0	824.0	642.0	371.0	164.0	8.5	761.5	12.9

Tabla C.237. Características estadísticas de la lluvia anual de cada municipio del estado de Yucatán.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Medla	Mediana	Desv Std	Coficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X_p (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
Huixtla	1111.2	1094.8	210.0	0.5	2.7	0.19	1070.0	928.0	844.0	763.0	699.0	581.0	7.3	808.0	13.6
Hunucma	782.6	751.5	158.1	0.4	3.0	0.20	768.0	664.0	602.0	542.0	486.0	408.0	16.2	499.6	33.2
Ixil	692.6	684.3	171.8	0.2	3.5	0.25	707.0	555.0	455.0	359.0	234.0	139.0	11.5	362.4	19.5
Izamal	1111.2	1094.8	210.0	0.5	2.7	0.19	1070.0	928.0	844.0	763.0	699.0	581.0	7.3	808.0	13.6
Kanasin	996.8	1020.2	151.5	-0.1	2.2	0.15	1027.0	847.0	801.0	759.0	707.0	668.0	11.0	745.3	25.3
Kantunil	1111.2	1094.8	210.0	0.5	2.7	0.19	1070.0	928.0	844.0	763.0	699.0	581.0	7.3	808.0	13.6
Kaua	1215.0	1171.6	311.1	2.1	11.5	0.26	1185.0	1024.0	916.0	809.0	696.0	523.0	21.3	624.5	59.7
Kinchil	815.3	861.7	162.2	-0.5	3.7	0.20	843.0	712.0	616.0	515.0	370.0	253.0	19.6	449.7	30.6
Kopoma	1040.5	1051.8	188.5	0.1	4.1	0.18	1029.0	897.0	796.0	682.0	577.0	363.0	19.5	605.8	30.3
Mama	1127.7	1118.5	217.1	0.9	5.0	0.19	1113.0	985.0	897.0	807.0	671.0	550.0	13.1	761.5	27.6
Mani	1127.7	1118.5	217.1	0.9	5.0	0.19	1113.0	985.0	897.0	807.0	671.0	550.0	13.1	761.5	27.6
Maxcanu	1040.5	1051.8	188.5	0.1	4.1	0.18	1029.0	897.0	796.0	682.0	577.0	363.0	19.5	605.8	30.3
Mayapan	1034.1	999.2	232.3	-0.4	3.6	0.22	1005.0	846.0	765.0	690.0	595.0	524.0	71.4	462.2	184.3
Merida	996.8	1020.2	151.5	-0.1	2.2	0.15	1027.0	847.0	801.0	759.0	707.0	668.0	11.0	745.3	25.3
Mococha	968.3	982.8	184.6	-0.2	3.6	0.19	977.0	847.0	754.0	656.0	514.0	399.0	20.8	576.6	33.8
Motul	1014.2	960.4	251.3	0.6	3.6	0.25	972.0	812.0	714.0	619.0	492.0	392.0	11.5	592.9	24.2
Muna	1037.6	1022.6	190.9	1.0	5.4	0.18	1032.0	932.0	867.0	802.0	712.0	637.0	21.4	713.5	49.2
Muxupip	1014.2	960.4	251.3	0.6	3.6	0.25	972.0	812.0	714.0	619.0	492.0	392.0	11.5	592.9	24.2
Opichen	1044.8	1028.0	179.3	0.1	4.3	0.17	1027.0	934.0	837.0	710.0	536.0	407.0	18.4	649.1	27.5
Oxkutzcab	1009.0	1002.4	148.5	0.1	2.8	0.15	1003.0	888.0	819.0	755.0	673.0	612.0	12.3	745.1	22.3
Panaba	1024.5	1036.5	275.7	-0.2	4.6	0.27	1047.0	853.0	709.0	547.0	290.0	67.0	21.4	407.0	33.7
Peto	1022.2	1013.4	153.8	0.3	2.6	0.15	1004.0	895.0	832.0	773.0	697.0	641.0	7.5	806.5	13.4
Progreso	764.4	730.3	151.7	0.9	5.2	0.20	719.0	642.0	579.0	488.0	386.0	216.0	13.0	476.1	21.6
Quintana Roo	1215.0	1171.6	311.1	2.1	11.5	0.26	1185.0	1024.0	916.0	809.0	696.0	523.0	21.3	624.5	59.7
Rio Lagartos	1179.6	1130.5	202.3	0.9	5.5	0.17	1121.0	1012.0	949.0	885.0	789.0	704.0	4.3	964.4	8.5
Sacalum	1041.9	1029.0	188.1	0.5	2.9	0.18	1054.0	834.0	800.0	740.0	593.0	479.0	3.9	783.0	13.0
Samahil	815.3	861.7	162.2	-0.5	3.7	0.20	843.0	712.0	616.0	515.0	370.0	253.0	19.6	449.7	30.6
Sanahcat	1111.2	1094.8	210.0	0.5	2.7	0.19	1070.0	928.0	844.0	763.0	699.0	581.0	7.3	808.0	13.6
San Felipe	1024.5	1036.5	275.7	-0.2	4.6	0.27	1047.0	853.0	709.0	547.0	290.0	67.0	21.4	407.0	33.7
Santa Elena	1021.9	1042.5	212.3	0.7	4.6	0.21	1012.0	878.0	775.0	652.0	441.0	251.0	13.0	642.7	21.0
Seye	1024.8	1002.0	196.2	0.4	2.4	0.19	968.0	853.0	821.0	789.0	737.0	681.0	20.2	722.7	61.2
Sinache	725.5	708.5	181.1	0.3	4.0	0.25	698.0	598.0	524.0	430.0	276.0	151.0	20.6	344.5	33.9
Sotuta	1145.8	1118.8	227.8	0.7	4.3	0.20	1116.0	977.0	885.0	788.0	643.0	515.0	11.8	761.5	23.9
Sucila	1061.1	1038.2	178.8	0.0	4.1	0.17	1044.0	933.0	865.0	799.0	715.0	653.0	32.0	684.3	70.5
Sudzal	1009.8	936.8	277.8	0.6	3.3	0.28	959.0	830.0	750.0	674.0	577.0	505.0	19.1	578.4	49.5
Suma	1038.3	1006.6	187.0	0.6	3.4	0.18	984.0	881.0	820.0	752.0	636.0	528.0	14.0	715.8	27.5

Tabla C.237. Características estadísticas de la lluvia anual de cada municipio del estado de Yucatán.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	lluvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _p (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _p min(mm)	H _p min
Tahdziu	1022.2	1013.4	153.8	0.3	2.6	0.15	1004.0	895.0	832.0	773.0	697.0	641.0	7.5	806.5	13.4
Tahmek	1024.8	1002.0	196.2	0.4	2.4	0.19	968.0	853.0	821.0	789.0	737.0	681.0	20.2	722.7	61.2
Teabo	1113.4	1112.4	218.0	0.6	5.2	0.20	1153.0	1014.0	922.0	834.0	720.0	633.0	24.4	702.0	57.5
Tecoh	1041.9	1029.0	188.1	0.5	2.9	0.18	1054.0	834.0	800.0	740.0	593.0	479.0	3.9	783.0	13.0
Tekal de Venegas	1038.3	1006.6	187.0	0.6	3.4	0.18	984.0	881.0	820.0	752.0	636.0	528.0	14.0	715.8	27.5
Tekanto	1038.3	1006.6	187.0	0.6	3.4	0.18	984.0	881.0	820.0	752.0	636.0	528.0	14.0	715.8	27.5
Tekax	1037.6	1038.2	158.6	0.4	2.5	0.15	1009.0	921.0	868.0	819.0	755.0	708.0	10.2	817.5	20.4
Tekit	1127.7	1118.5	217.1	0.9	5.0	0.19	1113.0	985.0	897.0	807.0	671.0	550.0	13.1	761.5	27.6
Tekom	1215.0	1171.6	311.1	2.1	11.5	0.26	1185.0	1024.0	916.0	809.0	656.0	523.0	21.3	624.5	59.7
Telchac Pueblo	767.2	754.5	209.2	0.4	3.9	0.27	744.0	617.0	519.0	400.0	211.0	58.0	15.0	362.4	24.2
Telchac Puerto	767.2	754.5	209.2	0.4	3.9	0.27	744.0	617.0	519.0	400.0	211.0	58.0	15.0	362.4	24.2
Temax	725.5	708.5	181.1	0.3	4.0	0.25	698.0	598.0	524.0	430.0	276.0	151.0	20.6	344.5	33.9
Temozon	1104.5	1111.3	205.9	0.7	4.9	0.19	1099.0	951.0	850.0	749.0	606.0	485.0	12.0	731.3	22.5
Tepakan	1038.3	1006.6	187.0	0.6	3.4	0.18	984.0	881.0	820.0	752.0	636.0	528.0	14.0	715.8	27.5
Tetiz	815.3	861.7	162.2	-0.5	3.7	0.20	843.0	712.0	616.0	515.0	370.0	253.0	19.6	449.7	30.6
Teya	1038.3	1006.6	187.0	0.6	3.4	0.18	984.0	881.0	820.0	752.0	636.0	528.0	14.0	715.8	27.5
Ticul	1127.7	1118.5	217.1	0.9	5.0	0.19	1113.0	985.0	897.0	807.0	671.0	550.0	13.1	761.5	27.6
Timucuy	996.8	1020.2	151.5	-0.1	2.2	0.15	1027.0	847.0	801.0	759.0	707.0	668.0	11.0	745.3	25.3
Tinum	1222.2	1158.3	317.8	1.9	10.2	0.26	1200.0	1014.0	893.0	776.0	624.0	509.0	12.9	682.3	35.2
Tixcacalcupul	1044.1	1050.0	154.8	-0.2	4.1	0.15	930.2	793.3	702.7	615.8	503.2	418.9	7.6	666.0	13.4
Tixkokob	968.3	982.8	184.6	-0.2	3.6	0.19	977.0	847.0	754.0	656.0	514.0	399.0	20.8	576.6	33.8
Tixmehuc	1022.2	1013.4	153.8	0.3	2.6	0.15	1004.0	895.0	832.0	773.0	697.0	641.0	7.5	806.5	13.4
Tixpehual	996.8	1020.2	151.5	-0.1	2.2	0.15	1027.0	847.0	801.0	759.0	707.0	668.0	11.0	745.3	25.3
Tizimin	857.2	819.8	213.1	0.4	3.7	0.25	824.0	694.0	614.0	535.0	425.0	334.0	21.0	437.4	45.1
Tunkas	1215.0	1171.6	311.1	2.1	11.5	0.26	1185.0	1024.0	916.0	809.0	656.0	523.0	21.3	624.5	59.7
Tzucacab	1022.2	1013.4	153.8	0.3	2.6	0.15	1004.0	895.0	832.0	773.0	697.0	641.0	7.5	806.5	13.4
Uayma	1222.2	1158.3	317.8	1.9	10.2	0.26	1200.0	1014.0	893.0	776.0	624.0	509.0	12.9	682.3	35.2
Ucu	749.3	715.1	149.2	0.9	4.1	0.20	718.0	636.0	585.0	535.0	464.0	405.0	14.1	499.6	31.9
Uman	1011.1	1011.0	243.2	-0.9	5.8	0.24	1016.0	817.0	687.0	563.0	400.0	276.0	45.5	305.7	84.8
Valladolid	1134.9	1111.0	181.4	0.1	2.4	0.16	1092.0	985.0	928.0	875.0	808.0	758.0	21.5	806.6	51.0
Xocchel	1024.8	1002.0	196.2	0.4	2.4	0.19	968.0	853.0	821.0	789.0	737.0	681.0	20.2	722.7	61.2
Yaxcaba	1145.8	1118.8	227.8	0.7	4.3	0.20	1116.0	977.0	885.0	788.0	643.0	515.0	11.8	761.5	23.9
Yaxkukul	968.3	982.8	184.6	-0.2	3.6	0.19	977.0	847.0	754.0	656.0	514.0	399.0	20.8	576.6	33.8
Yobain	725.5	708.5	181.1	0.3	4.0	0.25	698.0	598.0	524.0	430.0	276.0	151.0	20.6	344.5	33.9
Estatal	989.6	950.0	193.1	2.3	12.5	0.20	985.0	850.0	759.0	669.0	542.0	432.0	6.2	716.5	13.9

Tabla C.237. Características estadísticas de la lluvia anual de cada municipio del estado de Yucatán.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad		de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10		
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)		
Abala	668.5	730.0	791.4	852.9	914.4	975.9	1037.4	1098.8	1160.3	1221.8	4.0	4.0	4.0	12.0	8.0	20.0	20.0	4.0	16.0	8.0		
Acanceh	862.7	963.9	1065.0	1166.2	1267.4	1368.6	1469.8	1570.9	1672.1	1773.3	10.0	10.0	10.0	26.6	23.3	10.0	6.6	0.0	0.0	3.3		
Akil	769.4	841.0	912.6	984.2	1055.8	1127.4	1199.0	1270.6	1342.2	1413.8	12.0	4.0	4.0	8.0	28.0	8.0	8.0	8.0	12.0	8.0		
Baca	650.7	724.8	798.9	873.0	947.1	1021.1	1095.2	1169.3	1243.4	1317.5	8.0	0.0	8.0	12.0	8.0	24.0	24.0	0.0	8.0	8.0		
Bokoba	695.2	797.5	899.9	1002.2	1104.5	1206.8	1309.1	1411.5	1513.8	1616.1	8.0	12.0	24.0	12.0	16.0	4.0	8.0	8.0	4.0	4.0		
Buctzotz	687.1	756.5	825.8	895.2	964.5	1033.8	1103.2	1172.5	1241.9	1311.2	12.0	8.0	20.0	8.0	36.0	8.0	4.0	0.0	0.0	4.0		
Cacalchen	695.2	797.5	899.9	1002.2	1104.5	1206.8	1309.1	1411.5	1513.8	1616.1	8.0	12.0	24.0	12.0	16.0	4.0	8.0	8.0	4.0	4.0		
Calotmul	756.0	827.8	899.5	971.2	1043.0	1114.7	1186.4	1258.1	1329.9	1401.6	8.0	0.0	4.0	12.0	28.0	16.0	12.0	4.0	4.0	12.0		
cansahcab	425.6	506.7	587.9	669.0	750.1	831.2	912.3	993.5	1074.6	1155.7	4.0	4.0	12.0	12.0	32.0	8.0	12.0	8.0	4.0	4.0		
Cantamayec	862.7	963.9	1065.0	1166.2	1267.4	1368.6	1469.8	1570.9	1672.1	1773.3	13.3	10.0	16.6	20.0	33.3	3.3	0.0	0.0	0.0	3.3		
Celestun	518.5	587.3	656.1	724.9	793.7	862.6	931.4	1000.2	1069.0	1137.8	4.0	0.0	8.0	12.0	12.0	16.0	20.0	24.0	0.0	4.0		
Cenotillo	798.2	971.9	1145.7	1319.4	1493.1	1666.8	1840.5	2014.3	2188.0	2361.7	4.0	8.0	36.0	32.0	12.0	0.0	4.0	0.0	0.0	4.0		
Conkal	650.7	724.8	798.9	873.0	947.1	1021.1	1095.2	1169.3	1243.4	1317.5	8.0	0.0	8.0	12.0	8.0	24.0	24.0	0.0	8.0	8.0		
Cuncunul	798.2	971.9	1145.7	1319.4	1493.1	1666.8	1840.5	2014.3	2188.0	2361.7	4.0	8.0	36.0	32.0	12.0	0.0	4.0	0.0	0.0	4.0		
Cuzama	862.7	963.9	1065.0	1166.2	1267.4	1368.6	1469.8	1570.9	1672.1	1773.3	10.0	10.0	10.0	26.6	23.3	10.0	6.6	0.0	0.0	3.3		
Chacsinkin	857.9	909.3	960.7	1012.1	1063.6	1115.0	1166.4	1217.8	1269.2	1320.6	20.0	4.0	12.0	12.0	16.0	8.0	4.0	8.0	8.0	8.0		
Chankom	798.2	971.9	1145.7	1319.4	1493.1	1666.8	1840.5	2014.3	2188.0	2361.7	4.0	8.0	36.0	32.0	12.0	0.0	4.0	0.0	0.0	4.0		
Chapab	847.7	912.4	977.1	1041.8	1106.6	1171.3	1236.0	1300.7	1365.4	1430.1	20.0	12.0	12.0	8.0	4.0	24.0	4.0	4.0	0.0	12.0		
Chemax	824.1	916.9	1009.5	1102.4	1195.2	1288.0	1380.8	1473.5	1566.3	1659.1	4.0	12.0	16.0	16.0	24.0	16.0	4.0	0.0	4.0	4.0		
Chicxulub Pueblo	548.3	620.5	692.8	765.0	837.2	909.4	981.6	1053.9	1126.1	1198.3	4.0	8.0	24.0	24.0	8.0	20.0	8.0	0.0	0.0	4.0		
Chichimila	869.9	933.2	996.5	1059.8	1123.2	1186.5	1249.8	1313.1	1376.4	1439.7	4.0	12.0	4.0	20.0	20.0	0.0	8.0	8.0	16.0	8.0		
Chikindzonot	737.7	809.4	881.1	952.8	1024.5	1096.2	1167.9	1239.6	1311.3	1383.0	4.0	0.0	12.0	8.0	20.0	12.0	24.0	16.0	0.0	4.0		
Chochola	686.6	767.3	848.1	928.9	1009.7	1090.4	1171.2	1252.0	1332.7	1413.5	4.0	0.0	8.0	16.0	12.0	28.0	16.0	0.0	8.0	8.0		
Chumayel	862.7	963.9	1065.0	1166.2	1267.4	1368.6	1469.8	1570.9	1672.1	1773.3	6.6	16.6	20.0	10.0	26.6	6.6	10.0	0.0	0.0	3.3		
Dzan	862.7	963.9	1065.0	1166.2	1267.4	1368.6	1469.8	1570.9	1672.1	1773.3	6.6	16.6	20.0	10.0	26.6	6.6	10.0	0.0	0.0	3.3		
Dzemul	452.2	542.0	631.8	721.6	811.3	901.1	990.9	1080.7	1170.5	1260.3	4.0	12.0	8.0	16.0	28.0	12.0	4.0	8.0	4.0	4.0		
Dzidzantun	425.6	506.7	587.9	669.0	750.1	831.2	912.3	993.5	1074.6	1155.7	4.0	4.0	12.0	12.0	32.0	8.0	12.0	8.0	4.0	4.0		
Dzilam de Bravo	687.1	756.5	825.8	895.2	964.5	1033.8	1103.2	1172.5	1241.9	1311.2	12.0	8.0	20.0	8.0	36.0	8.0	4.0	0.0	0.0	4.0		
Dzilam Gonzalez	687.1	756.5	825.8	895.2	964.5	1033.8	1103.2	1172.5	1241.9	1311.2	12.0	8.0	20.0	8.0	36.0	8.0	4.0	0.0	0.0	4.0		
Dzitas	798.2	971.9	1145.7	1319.4	1493.1	1666.8	1840.5	2014.3	2188.0	2361.7	4.0	8.0	36.0	32.0	12.0	0.0	4.0	0.0	0.0	4.0		
Dzoncauich	798.2	971.9	1145.7	1319.4	1493.1	1666.8	1840.5	2014.3	2188.0	2361.7	4.0	8.0	36.0	32.0	12.0	0.0	4.0	0.0	0.0	4.0		
Espita	756.0	827.8	899.5	971.2	1043.0	1114.7	1186.4	1258.1	1329.9	1401.6	8.0	0.0	4.0	12.0	28.0	16.0	12.0	4.0	4.0	12.0		
Halacho	725.5	802.0	878.4	954.9	1031.3	1107.7	1184.2	1260.6	1337.1	1413.5	8.0	0.0	4.0	16.0	28.0	8.0	20.0	4.0	4.0	8.0		
Hocaba	788.2	853.7	919.1	984.6	1050.1	1115.6	1181.1	1246.5	1312.0	1377.5	4.0	16.0	28.0	0.0	12.0	8.0	8.0	4.0	8.0	12.0		
Hoctun	788.2	853.7	919.1	984.6	1050.1	1115.6	1181.1	1246.5	1312.0	1377.5	4.0	16.0	28.0	0.0	12.0	8.0	8.0	4.0	8.0	12.0		
Homun	862.7	963.9	1065.0	1166.2	1267.4	1368.6	1469.8	1570.9	1672.1	1773.3	10.0	10.0	10.0	26.6	23.3	10.0	6.6	0.0	0.0	3.3		

Tabla C.238. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Yucatán.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Huhi	881.5	955.0	1028.6	1102.1	1175.6	1249.1	1322.6	1396.2	1469.7	1543.2	12.0	16.0	12.0	16.0	16.0	0.0	4.0	12.0	8.0	4.0
Hunucma	560.3	620.9	681.6	742.2	802.9	863.6	924.2	984.9	1045.5	1106.2	4.0	8.0	16.0	16.0	12.0	20.0	4.0	4.0	12.0	4.0
Ixil	435.6	508.7	581.9	655.0	728.2	801.4	874.5	947.7	1020.8	1094.0	8.0	8.0	8.0	16.0	16.0	20.0	8.0	12.0	0.0	4.0
Izamal	881.5	955.0	1028.6	1102.1	1175.6	1249.1	1322.6	1396.2	1469.7	1543.2	12.0	16.0	12.0	16.0	16.0	0.0	4.0	12.0	8.0	4.0
Kanasin	794.4	843.5	892.5	941.6	990.7	1039.8	1088.9	1137.9	1187.0	1236.1	8.0	12.0	16.0	8.0	4.0	4.0	12.0	12.0	16.0	8.0
Kantunil	881.5	955.0	1028.6	1102.1	1175.6	1249.1	1322.6	1396.2	1469.7	1543.2	12.0	16.0	12.0	16.0	16.0	0.0	4.0	12.0	8.0	4.0
Kaua	798.2	971.9	1145.7	1319.4	1493.1	1666.8	1840.5	2014.3	2188.0	2361.7	4.0	8.0	36.0	32.0	12.0	0.0	4.0	0.0	0.0	4.0
Kinchil	518.5	587.3	656.1	724.9	793.7	862.6	931.4	1000.2	1069.0	1137.8	8.0	0.0	12.0	8.0	8.0	16.0	28.0	16.0	0.0	4.0
Kopoma	686.6	767.3	848.1	928.9	1009.7	1090.4	1171.2	1252.0	1332.7	1413.5	4.0	0.0	8.0	16.0	12.0	28.0	16.0	0.0	0.0	3.3
Mama	862.7	963.9	1065.0	1166.2	1267.4	1368.6	1469.8	1570.9	1672.1	1773.3	6.6	16.6	20.0	10.0	26.6	6.6	10.0	0.0	0.0	3.3
Mani	862.7	963.9	1065.0	1166.2	1267.4	1368.6	1469.8	1570.9	1672.1	1773.3	6.6	16.6	20.0	10.0	26.6	6.6	10.0	0.0	0.0	3.3
Maxcanu	686.6	767.3	848.1	928.9	1009.7	1090.4	1171.2	1252.0	1332.7	1413.5	4.0	0.0	8.0	16.0	12.0	28.0	16.0	0.0	8.0	8.0
Mayapan	558.5	654.8	751.2	847.5	943.8	1040.1	1136.4	1232.8	1329.1	1425.4	4.1	0.0	0.0	16.6	8.3	29.1	0.0	20.8	8.3	12.5
Merida	794.4	843.5	892.5	941.6	990.7	1039.8	1088.9	1137.9	1187.0	1236.1	8.0	12.0	16.0	8.0	4.0	4.0	12.0	12.0	16.0	8.0
Mococho	650.7	724.8	798.9	873.0	947.1	1021.1	1095.2	1169.3	1243.4	1317.5	8.0	0.0	8.0	2.0	8.0	24.0	24.0	0.0	8.0	8.0
Motul	695.2	797.5	899.9	1002.2	1104.5	1206.8	1309.1	1411.5	1513.8	1616.1	8.0	12.0	24.0	2.0	16.0	4.0	8.0	8.0	4.0	4.0
Muna	795.3	877.0	958.8	1040.5	1122.3	1204.0	1285.8	1367.5	1449.3	1531.0	8.0	8.0	20.0	20.0	20.0	12.0	4.0	0.0	0.0	8.0
Muxupip	695.2	797.5	899.9	1002.2	1104.5	1206.8	1309.1	1411.5	1513.8	1616.1	8.0	12.0	24.0	2.0	16.0	4.0	8.0	8.0	4.0	4.0
Opichen	725.5	802.0	878.4	954.9	1031.3	1107.7	1184.2	1260.6	1337.1	1413.5	8.0	0.0	4.0	16.0	28.0	8.0	20.0	4.0	4.0	8.0
Oxkutzcab	799.6	854.1	908.6	963.1	1017.6	1072.1	1126.6	1181.1	1235.6	1290.1	8.0	8.0	12.0	8.0	16.0	12.0	12.0	8.0	8.0	8.0
Panaba	529.6	652.2	774.7	897.3	1019.9	1142.5	1265.1	1387.6	1510.2	1632.8	8.0	0.0	4.0	2.0	20.0	16.0	32.0	0.0	0.0	8.0
Peto	857.9	909.3	960.7	1012.1	1063.6	1115.0	1166.4	1217.8	1269.2	1320.6	20.0	4.0	12.0	2.0	16.0	8.0	4.0	8.0	8.0	8.0
Progreso	548.3	620.5	692.8	765.0	837.2	909.4	981.6	1053.9	1126.1	1198.3	4.0	8.0	24.0	24.0	8.0	20.0	8.0	0.0	0.0	4.0
Quintana Roo	798.2	971.9	1145.7	1319.4	1493.1	1666.8	1840.5	2014.3	2188.0	2361.7	4.0	8.0	36.0	32.0	12.0	0.0	4.0	0.0	0.0	4.0
Rio Lagartos	1027.8	1091.2	1154.6	1218.0	1281.4	1344.7	1408.1	1471.5	1534.9	1598.3	30.0	0.0	20.0	10.0	10.0	10.0	10.0	0.0	0.0	10.0
Sacalum	847.7	912.4	977.1	1041.8	1106.6	1171.3	1236.0	1300.7	1365.4	1430.1	20.0	12.0	12.0	8.0	4.0	24.0	4.0	4.0	0.0	12.0
Samahil	518.5	587.3	656.1	724.9	793.7	862.6	931.4	1000.2	1069.0	1137.8	8.0	0.0	12.0	8.0	8.0	16.0	28.0	16.0	0.0	4.0
Sanahcat	881.5	955.0	1028.6	1102.1	1175.6	1249.1	1322.6	1396.2	1469.7	1543.2	12.0	16.0	12.0	16.0	16.0	0.0	4.0	12.0	8.0	4.0
San Felipe	529.6	652.2	774.7	897.3	1019.9	1142.5	1265.1	1387.6	1510.2	1632.8	8.0	0.0	4.0	2.0	20.0	16.0	32.0	0.0	0.0	8.0
Santa Elena	731.5	820.4	909.2	998.0	1086.9	1175.7	1264.5	1353.3	1442.2	1531.0	8.0	4.0	16.0	2.0	32.0	16.0	0.0	4.0	0.0	8.0
Seye	788.2	853.7	919.1	984.6	1050.1	1115.6	1181.1	1246.5	1312.0	1377.5	4.0	16.0	28.0	0.0	12.0	8.0	8.0	4.0	8.0	12.0
Sinache	425.6	506.7	587.9	669.0	750.1	831.2	912.3	993.5	1074.6	1155.7	4.0	4.0	12.0	2.0	32.0	8.0	12.0	8.0	4.0	4.0
Sotuta	862.7	963.9	1065.0	1166.2	1267.4	1368.6	1469.8	1570.9	1672.1	1773.3	10.0	10.0	16.6	20.0	20.0	10.0	3.3	3.3	3.3	3.3
Sucila	756.0	827.8	899.5	971.2	1043.0	1114.7	1186.4	1258.1	1329.9	1401.6	8.0	0.0	4.0	2.0	28.0	16.0	12.0	4.0	4.0	12.0
Sudzal	679.2	779.9	880.7	981.4	1082.2	1183.0	1283.7	1384.5	1485.2	1586.0	9.0	9.0	13.6	2.2	13.6	4.5	0.0	4.5	13.6	4.5
Suma	788.9	862.1	935.2	1008.3	1081.5	1154.6	1227.7	1300.8	1374.0	1447.1	4.0	8.0	28.0	2.0	8.0	20.0	4.0	0.0	12.0	4.0

Tabla C.238. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Yucatán.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Tahdziu	857.9	909.3	960.7	1012.1	1063.6	1115.0	1166.4	1217.8	1269.2	1320.6	20.0	4.0	2.0	12.0	16.0	8.0	4.0	8.0	8.0	8.0
Tahmek	786.2	853.7	919.1	984.6	1050.1	1115.6	1181.1	1246.5	1312.0	1377.5	4.0	16.0	28.0	0.0	12.0	8.0	8.0	4.0	8.0	12.0
Teabo	809.1	916.3	1023.4	1130.5	1237.7	1344.8	1451.9	1559.0	1666.2	1773.3	6.6	10.0	3.3	23.3	23.3	16.6	3.3	0.0	0.0	3.3
Tecoh	847.7	912.4	977.1	1041.8	1106.6	1171.3	1236.0	1300.7	1365.4	1430.1	20.0	12.0	2.0	8.0	4.0	24.0	4.0	4.0	0.0	12.0
Tekal de Venegas	788.9	862.1	935.2	1008.3	1081.5	1154.6	1227.7	1300.8	1374.0	1447.1	4.0	8.0	28.0	12.0	8.0	20.0	4.0	0.0	12.0	4.0
Tekanto	788.9	862.1	935.2	1008.3	1081.5	1154.6	1227.7	1300.8	1374.0	1447.1	4.0	8.0	28.0	12.0	8.0	20.0	4.0	0.0	12.0	4.0
Tekax	866.9	916.3	965.7	1015.1	1064.5	1113.8	1163.2	1212.6	1262.0	1311.4	16.0	12.0	2.0	8.0	20.0	4.0	0.0	8.0	8.0	12.0
Tekit	862.7	963.9	1065.0	1166.2	1267.4	1368.6	1469.8	1570.9	1672.1	1773.3	6.6	16.6	20.0	10.0	26.6	6.6	10.0	0.0	0.0	3.3
Tekom	798.2	971.9	1145.7	1319.4	1493.1	1666.8	1840.5	2014.3	2188.0	2361.7	4.0	8.0	36.0	32.0	12.0	0.0	4.0	0.0	0.0	4.0
Telchac Pueblo	452.2	542.0	631.8	721.6	811.3	901.1	990.9	1080.7	1170.5	1260.3	4.0	12.0	8.0	16.0	28.0	12.0	4.0	8.0	4.0	4.0
Telchac Puerto	452.2	542.0	631.8	721.6	811.3	901.1	990.9	1080.7	1170.5	1260.3	4.0	12.0	8.0	16.0	28.0	12.0	4.0	8.0	4.0	4.0
Temax	425.6	506.7	587.9	669.0	750.1	831.2	912.3	993.5	1074.6	1155.7	4.0	4.0	2.0	12.0	32.0	8.0	12.0	8.0	4.0	4.0
Temozon	824.1	916.9	1009.6	1102.4	1195.2	1288.0	1380.8	1473.5	1566.3	1659.1	4.0	12.0	6.0	16.0	24.0	16.0	4.0	0.0	4.0	4.0
Tepakan	788.9	862.1	935.2	1008.3	1081.5	1154.6	1227.7	1300.8	1374.0	1447.1	4.0	8.0	28.0	12.0	8.0	20.0	4.0	0.0	12.0	4.0
Tetiz	518.5	587.3	656.1	724.9	793.7	862.6	931.4	1000.2	1069.0	1137.8	8.0	0.0	2.0	8.0	8.0	16.0	28.0	16.0	0.0	4.0
Teya	788.9	862.1	935.2	1008.3	1081.5	1154.6	1227.7	1300.8	1374.0	1447.1	4.0	8.0	28.0	12.0	8.0	20.0	4.0	0.0	12.0	4.0
Ticul	862.7	963.9	1065.0	1166.2	1267.4	1368.6	1469.8	1570.9	1672.1	1773.3	6.6	16.6	20.0	10.0	26.6	6.6	10.0	0.0	0.0	3.3
Timucuy	794.4	843.5	892.5	941.6	990.7	1039.8	1088.9	1137.9	1187.0	1236.1	8.0	12.0	6.0	8.0	4.0	4.0	12.0	12.0	16.0	8.0
Tinum	850.2	1018.2	1186.1	1354.1	1522.0	1689.9	1857.9	2025.8	2193.8	2361.7	4.0	12.0	36.0	28.0	12.0	0.0	4.0	0.0	0.0	4.0
Tixcacalcupul	737.7	809.4	881.1	952.8	1024.5	1096.2	1167.9	1239.6	1311.3	1383.0	4.0	0.0	2.0	8.0	20.0	12.0	24.0	16.0	0.0	4.0
Tixkokob	650.7	724.8	798.9	873.0	947.1	1021.1	1095.2	1169.3	1243.4	1317.5	8.0	0.0	8.0	12.0	8.0	24.0	24.0	0.0	8.0	8.0
Tixmehuac	857.9	909.3	960.7	1012.1	1063.6	1115.0	1166.4	1217.8	1269.2	1320.6	20.0	4.0	2.0	12.0	16.0	8.0	4.0	8.0	8.0	8.0
Tixpehual	794.4	843.5	892.5	941.6	990.7	1039.8	1088.9	1137.9	1187.0	1236.1	8.0	12.0	6.0	8.0	4.0	4.0	12.0	12.0	16.0	8.0
Tizimin	529.2	621.1	712.9	804.7	896.6	988.4	1080.2	1172.0	1263.9	1355.7	4.0	8.0	8.0	24.0	20.0	8.0	16.0	4.0	4.0	4.0
Tunkas	798.2	971.9	1145.7	1319.4	1493.1	1666.8	1840.5	2014.3	2188.0	2361.7	4.0	8.0	36.0	32.0	12.0	0.0	4.0	0.0	0.0	4.0
Tzucacab	857.9	909.3	960.7	1012.1	1063.6	1115.0	1166.4	1217.8	1269.2	1320.6	20.0	4.0	2.0	12.0	16.0	8.0	4.0	8.0	8.0	8.0
Uayma	850.2	1018.2	1186.1	1354.1	1522.0	1689.9	1857.9	2025.8	2193.8	2361.7	4.0	12.0	36.0	28.0	12.0	0.0	4.0	0.0	0.0	4.0
Ucu	560.3	620.9	681.6	742.2	802.9	863.6	924.2	984.9	1045.5	1106.2	4.0	12.0	20.0	20.0	16.0	12.0	4.0	0.0	8.0	4.0
Uman	416.5	527.3	638.0	748.8	859.6	970.4	1081.2	1191.9	1302.7	1413.5	4.0	0.0	8.0	0.0	4.0	12.0	40.0	16.0	8.0	8.0
Valladolid	869.9	933.2	996.5	1059.8	1123.2	1186.5	1249.8	1313.1	1376.4	1439.7	4.0	12.0	4.0	20.0	20.0	0.0	8.0	8.0	16.0	8.0
Xocchel	788.2	853.7	919.1	984.6	1050.1	1115.6	1181.1	1246.5	1312.0	1377.5	4.0	16.0	28.0	0.0	12.0	8.0	8.0	4.0	8.0	12.0
Yaxcaba	862.7	963.9	1065.0	1166.2	1267.4	1368.6	1469.8	1570.9	1672.1	1773.3	10.0	10.0	6.6	20.0	20.0	10.0	3.3	3.3	3.3	3.3
Yaxkukul	650.7	724.8	798.9	873.0	947.1	1021.1	1095.2	1169.3	1243.4	1317.5	8.0	0.0	8.0	12.0	8.0	24.0	24.0	0.0	8.0	8.0
Yobain	425.6	506.7	587.9	669.0	750.1	831.2	912.3	993.5	1074.6	1155.7	4.0	4.0	2.0	12.0	32.0	8.0	12.0	8.0	4.0	4.0
Estatal	822.2	927.9	1033.5	1139.2	1244.9	1350.6	1456.3	1561.9	1667.6	1773.3	13.3	23.3	26.6	26.6	6.6	0.0	0.0	0.0	0.0	3.3

Tabla C.238. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Yucatán.

Municipio	Características promedio de la sequía meteorológica municipal									Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	lluvia disponible		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X.	Hp disp S(mm)		
Abala	4.3	1.3	1.9	0.8	250.7	138.3	131.9	13.0	822.4	5.7	SEVERA
Acanceh	4.1	2.1	1.9	1.3	315.3	289.6	165.9	14.0	974.5	4.8	SEVERA
Akil	4.7	1.4	2.3	1.2	340.8	310.8	148.1	13.0	915.1	4.4	MUY SEVERA
Baca	3.6	1.5	1.7	1.0	248.6	260.8	146.2	15.0	822.1	6.0	SEVERA
Bokoba	5.0	2.0	2.7	0.9	501.5	245.1	185.7	18.0	828.4	4.5	MUY SEVERA
Buctzotz	4.7	1.4	2.0	1.4	223.5	220.8	111.7	12.0	758.8	4.6	MUY SEVERA
Cacalchen	5.0	2.0	2.7	0.9	501.5	245.1	185.7	18.0	828.4	4.5	MUY SEVERA
Calotmul	3.5	1.8	2.3	1.3	272.7	338.6	118.5	11.0	942.6	4.6	MUY SEVERA
Cansahcab	3.8	1.9	2.1	1.6	245.6	257.8	116.9	16.0	608.6	4.5	MUY SEVERA
Cantamayec	4.1	1.7	1.8	1.3	286.3	322.2	159.0	14.0	937.5	8.6	SEVERA
Celestun	4.0	1.6	1.8	1.4	243.3	242.8	135.1	16.0	698.7	6.6	SEVERA
Cenotillo	4.2	2.3	2.6	2.2	392.6	476.8	151.0	12.0	1064.0	3.9	MUY SEVERA
Conkal	3.6	1.5	1.7	1.0	248.6	260.8	146.2	15.0	822.1	6.0	SEVERA
Cuncunul	4.2	2.3	2.6	2.2	392.6	476.8	151.0	12.0	1064.0	3.9	MUY SEVERA
Cuzama	4.1	2.1	1.9	1.3	315.3	289.6	165.9	14.0	974.5	4.8	SEVERA
Chacsinkin	4.0	1.6	1.8	1.7	222.3	253.3	123.5	12.0	898.6	4.8	SEVERA
Chankom	4.2	2.3	2.6	2.2	392.6	476.8	151.0	12.0	1064.0	3.9	MUY SEVERA
Chapab	5.5	1.1	2.5	1.0	390.3	269.2	156.1	14.0	885.7	3.0	MUY SEVERA
Chemax	4.3	2.2	2.0	1.0	314.0	258.8	157.0	14.0	947.4	5.1	MUY SEVERA
Chicxulub Pueblo	3.6	1.3	2.1	0.9	209.2	212.1	99.6	13.0	664.8	3.8	MUY SEVERA
Chichimila	4.0	1.4	2.5	1.2	319.7	212.8	127.8	11.0	1007.1	3.9	MUY SEVERA
Chikindzonot	4.7	2.7	2.0	0.8	251.9	134.4	125.9	12.0	918.2	2.1	MUY SEVERA
Chochola	4.3	2.4	1.8	0.6	285.2	180.1	158.4	15.0	882.1	5.6	SEVERA
Chumayel	4.1	2.1	2.2	1.4	351.1	300.4	159.5	14.0	968.1	5.7	MUY SEVERA
Dzan	4.1	2.1	2.2	1.4	351.1	300.4	159.5	14.0	968.1	5.7	MUY SEVERA
Dzemul	4.7	1.7	2.7	1.1	386.2	299.2	143.0	18.0	624.1	4.8	MUY SEVERA
Dzidzantun	3.8	1.9	2.1	1.6	245.6	257.8	116.9	16.0	608.6	4.5	MUY SEVERA
Dziliam de Bravo	4.7	1.4	2.0	1.4	223.5	220.8	111.7	12.0	758.8	4.6	MUY SEVERA
Dziliam Gonzalez	4.7	1.4	2.0	1.4	223.5	220.8	111.7	12.0	758.8	4.6	MUY SEVERA
Dzitas	4.2	2.3	2.6	2.2	392.6	476.8	151.0	12.0	1064.0	3.9	MUY SEVERA
Dzoncauich	4.2	2.3	2.6	2.2	392.6	476.8	151.0	12.0	1064.0	3.9	MUY SEVERA
Espita	3.5	1.8	2.3	1.3	272.7	338.6	118.5	11.0	942.6	4.6	MUY SEVERA
Halacho	5.5	2.0	2.7	0.7	327.0	219.0	121.1	11.0	923.7	5.5	MUY SEVERA
Hocaba	5.5	1.5	2.5	0.8	418.0	193.4	167.1	16.0	857.6	4.6	MUY SEVERA
Hoctun	5.5	1.5	2.5	0.8	418.0	193.4	167.1	16.0	857.6	4.6	MUY SEVERA
Homun	4.1	2.1	1.9	1.3	315.3	289.6	165.9	14.0	974.5	4.8	SEVERA

Tabla C.239. Características de la sequía promedio de cada municipio del estado de Yucatán.

Municipio	Características promedio de la sequía meteorológica municipal									Tr(años) para sequía Meteorológica	Tipo de sequía Meteorológica
	Periodicidad	DevStd PerS	Duración	DevStd DS	Severidad	DevStd SS	Intensidad	% de IS	lluvia disponible		
	Per(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _c	Hp disp S(mm)		
Huixtla	5.0	2.1	2.8	1.4	424.8	242.1	151.7	13.0	959.4	4.0	MUY SEVERA
Hunucma	5.5	1.8	2.6	1.3	319.9	261.3	123.0	15.0	659.5	5.3	MUY SEVERA
Ixil	4.7	1.7	2.5	0.8	340.3	258.6	136.1	19.0	556.5	4.9	MUY SEVERA
Izamal	5.0	2.1	2.8	1.4	424.8	242.1	151.7	13.0	959.4	4.0	MUY SEVERA
Kanasin	5.5	1.5	2.3	1.0	332.7	256.7	144.6	14.0	852.2	4.7	MUY SEVERA
Kantunil	5.0	2.1	2.8	1.4	424.8	242.1	151.7	13.0	959.4	4.0	MUY SEVERA
Kaua	4.2	2.3	2.6	2.2	392.6	476.8	151.0	12.0	1064.0	3.9	MUY SEVERA
Kinchil	4.2	1.7	1.9	1.5	321.1	224.0	169.0	20.0	646.2	8.1	SEVERA
Kopoma	4.3	2.4	1.8	0.6	285.2	180.1	158.4	15.0	882.1	5.6	SEVERA
Mama	4.1	2.1	2.2	1.4	351.1	300.4	159.5	14.0	968.1	5.7	MUY SEVERA
Mani	4.1	2.1	2.2	1.4	351.1	300.4	159.5	14.0	968.1	5.7	MUY SEVERA
Maxcanu	4.3	2.4	1.8	0.6	285.2	180.1	158.4	15.0	882.1	5.6	SEVERA
Mayapan	3.2	1.4	1.6	1.3	283.2	479.7	177.0	17.0	857.0	4.6	SEVERA
Merida	5.5	1.5	2.3	1.0	332.7	256.7	144.6	14.0	852.2	4.7	MUY SEVERA
Mococha	3.6	1.5	1.7	1.0	248.6	260.8	146.2	15.0	822.1	6.0	SEVERA
Motul	5.0	2.0	2.7	0.9	501.5	245.1	185.7	18.0	828.4	4.5	MUY SEVERA
Muna	4.5	1.3	2.3	1.1	279.3	226.8	121.4	11.0	916.2	5.9	MUY SEVERA
Muxupip	5.0	2.0	2.7	0.9	501.5	245.1	185.7	18.0	828.4	4.5	MUY SEVERA
Opichen	5.5	2.0	2.7	0.7	327.0	219.0	121.1	11.0	923.7	5.5	MUY SEVERA
Oxkutzcab	5.7	0.4	2.6	1.0	302.0	136.1	116.1	11.0	892.8	4.8	MUY SEVERA
Panaba	4.5	2.0	2.3	1.0	494.6	503.2	215.0	20.0	809.5	6.2	MUY SEVERA
Peto	4.0	1.8	1.8	1.7	222.3	253.3	123.5	12.0	898.6	4.8	SEVERA
Progreso	3.6	1.3	2.1	0.9	209.2	212.1	99.6	13.0	664.8	3.8	MUY SEVERA
Quintana Roo	4.2	2.3	2.6	2.2	392.6	476.8	151.0	12.0	1064.0	3.9	MUY SEVERA
Rio Lagartos	4.5	2.5	2.0	1.4	265.6	194.0	132.8	11.0	1046.7	3.5	MUY SEVERA
Sacalum	5.5	1.1	2.5	1.0	390.3	269.2	156.1	14.0	885.7	3.0	MUY SEVERA
Samahil	4.2	1.7	1.9	1.5	321.1	224.0	169.0	20.0	646.2	8.1	SEVERA
Sanahcat	5.0	2.1	2.8	1.4	424.8	242.1	151.7	13.0	959.4	4.0	MUY SEVERA
San Felipe	4.5	2.0	2.3	1.0	494.6	503.2	215.0	20.0	809.5	6.2	MUY SEVERA
Santa Elena	4.7	1.4	2.1	0.9	386.8	270.0	184.1	18.0	837.8	6.6	MUY SEVERA
Seye	5.5	1.5	2.5	0.8	418.0	193.4	167.1	16.0	857.6	4.6	MUY SEVERA
Sinache	3.8	1.9	2.1	1.6	245.6	257.8	116.9	16.0	608.6	4.5	MUY SEVERA
Sotuta	4.1	2.3	2.4	1.6	366.0	318.9	152.5	13.0	993.3	4.4	MUY SEVERA
Sucila	3.5	1.8	2.3	1.3	272.7	338.6	118.5	11.0	942.6	4.6	MUY SEVERA
Sudzal	5.2	1.7	2.6	1.6	471.7	302.7	181.4	17.0	828.3	5.1	MUY SEVERA
Suma	5.0	2.0	2.7	0.9	374.4	230.9	138.6	13.0	899.6	4.0	MUY SEVERA

Tabla C.239. Características de la sequía promedio de cada municipio del estado de Yucatán.

Municipio	Características promedio de la sequía meteorológica municipal									Tr(años) para	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS	Iluvia disponible		
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o	Hp disp S(mm)		
Tahdziu	4.0	1.6	1.8	1.7	222.3	253.3	123.5	12.0	898.6	4.8	SEVERA
Tahmek	5.5	1.5	2.5	0.8	418.0	193.4	167.1	16.0	857.6	4.6	MUY SEVERA
Teabo	3.5	1.9	1.8	1.2	302.5	411.3	168.0	15.0	945.4	8.4	SEVERA
Tecoh	5.5	1.1	2.5	1.0	390.3	269.2	156.1	14.0	885.7	3.0	MUY SEVERA
Tekal de Venegas	5.0	2.0	2.7	0.9	374.4	230.9	138.6	13.0	899.6	4.0	MUY SEVERA
Tekanto	5.0	2.0	2.7	0.9	374.4	230.9	138.6	13.0	899.6	4.0	MUY SEVERA
Tekax	4.0	1.8	1.7	1.3	231.6	238.5	136.2	13.0	901.3	6.4	SEVERA
Tekit	4.1	2.1	2.2	1.4	351.1	300.4	159.5	14.0	968.1	5.7	MUY SEVERA
Tekom	4.2	2.3	2.6	2.2	392.6	476.8	151.0	12.0	1064.0	3.9	MUY SEVERA
Telchac Pueblo	4.7	1.7	2.7	1.1	386.2	299.2	143.0	18.0	624.1	4.8	MUY SEVERA
Telchac Puerto	4.7	1.7	2.7	1.1	386.2	299.2	143.0	18.0	624.1	4.8	MUY SEVERA
Temax	3.8	1.9	2.1	1.6	245.6	257.8	116.9	16.0	608.6	4.5	MUY SEVERA
Temozon	4.3	2.2	2.0	1.0	314.0	258.8	157.0	14.0	947.4	5.1	MUY SEVERA
Tepakan	5.0	2.0	2.7	0.9	374.4	230.9	138.6	13.0	899.6	4.0	MUY SEVERA
Tetiz	4.2	1.7	1.9	1.5	321.1	224.0	169.0	20.0	646.2	8.1	SEVERA
Teya	5.0	2.0	2.7	0.9	374.4	230.9	138.6	13.0	899.6	4.0	MUY SEVERA
Ticul	4.1	2.1	2.2	1.4	351.1	300.4	159.5	14.0	968.1	5.7	MUY SEVERA
Timucuy	5.5	1.5	2.3	1.0	332.7	256.7	144.6	14.0	852.2	4.7	MUY SEVERA
Tinum	4.2	2.2	2.3	1.7	432.5	461.1	188.0	15.0	1034.1	4.5	MUY SEVERA
Tixcacalcupul	4.7	2.7	2.0	0.8	251.9	134.4	125.9	12.0	918.2	2.1	MUY SEVERA
Tixkokob	3.6	1.5	1.7	1.0	248.6	260.8	146.2	15.0	822.1	6.0	SEVERA
Tixmehuac	4.0	1.6	1.8	1.7	222.3	253.3	123.5	12.0	898.6	4.8	SEVERA
Tixpehual	5.5	1.5	2.3	1.0	332.7	256.7	144.6	14.0	852.2	4.7	MUY SEVERA
Tizimin	4.5	1.5	2.7	1.4	414.9	295.4	153.6	17.0	703.5	4.6	MUY SEVERA
Tunkas	4.2	2.3	2.6	2.2	392.6	476.8	151.0	12.0	1064.0	3.9	MUY SEVERA
Tzucacab	4.0	1.6	1.8	1.7	222.3	253.3	123.5	12.0	898.6	4.8	SEVERA
Uayma	4.2	2.2	2.3	1.7	432.5	461.1	188.0	15.0	1034.1	4.5	MUY SEVERA
Ucu	4.3	2.0	2.3	1.3	235.3	197.9	102.3	13.0	647.0	4.3	MUY SEVERA
Uman	5.5	2.2	2.6	1.0	403.5	273.5	155.1	15.0	855.9	4.1	MUY SEVERA
Valladolid	4.0	1.4	2.5	1.2	319.7	212.8	127.8	11.0	1007.1	3.9	MUY SEVERA
Xocchel	5.5	1.5	2.5	0.8	418.0	193.4	167.1	16.0	857.6	4.6	MUY SEVERA
Yaxcaba	4.1	2.3	2.4	1.6	366.0	318.9	152.5	13.0	993.3	4.4	MUY SEVERA
Yaxkukul	3.6	1.5	1.7	1.0	248.6	260.8	146.2	15.0	822.1	6.0	SEVERA
Yobain	3.8	1.9	2.1	1.6	245.6	257.8	116.9	16.0	608.6	4.5	MUY SEVERA
Estatad	6.2	1.4	3.2	1.4	386.2	198.6	120.6	12.0	869.0	4.4	EXTREMADAMENTE SEVERA

Tabla C.239. Características de la sequía promedio de cada municipio del estado de Yucatán.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I^*	Intensidad	Duración / $m\acute{a}x$	% de $I^* / m\acute{a}x$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I^*(mm/a\acute{o})$	respecto a X_c	$I^*(mm/a\acute{o})$	$D_{m\acute{a}x}(a\acute{o}s)$	respecto a X_c	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Abala	506.2	3.0	168.7	17.0	273.0	1.0	28.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Acanceh	871.3	4.0	217.8	19.0	247.2	1.0	21.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Akil	949.1	4.0	237.2	22.0	365.4	1.0	34.0	33.3	33.3	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Baca	831.2	4.0	207.8	21.0	357.6	1.0	36.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Bokoba	776.0	4.0	194.0	19.0	284.7	2.0	28.0	0.0	60.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
Buctutz	569.2	4.0	142.3	16.0	155.7	1.0	17.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Cacalchen	776.0	4.0	194.0	19.0	284.7	2.0	28.0	0.0	60.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
Calotmul	1006.0	4.0	251.5	23.0	251.5	4.0	23.0	50.0	0.0	6.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0
cansahcab	825.3	6.0	137.5	18.0	381.0	1.0	52.0	42.8	42.8	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Cantamayec	1045.6	5.0	209.1	19.0	335.0	1.0	30.0	57.1	28.5	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Celestun	761.2	5.0	152.2	18.0	239.8	1.0	28.0	66.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Cenotillo	1284.6	7.0	183.5	15.0	195.5	4.0	16.0	50.0	16.6	0.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0
Conkal	831.2	4.0	207.8	21.0	357.6	1.0	36.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Cuncunul	1284.6	7.0	183.5	15.0	195.5	4.0	16.0	50.0	16.6	0.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0
Cuzama	871.3	4.0	217.8	19.0	247.2	1.0	21.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
Chacsinkin	819.2	6.0	136.5	13.0	211.6	1.0	20.0	71.4	14.2	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Chankom	1284.6	7.0	183.5	15.0	195.5	4.0	16.0	50.0	16.6	0.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0
Chapab	840.1	4.0	210.0	20.0	210.0	4.0	20.0	20.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemax	844.3	4.0	211.0	19.0	275.2	1.0	24.0	33.3	50.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Chicxulub Pueblo	719.4	4.0	179.8	23.0	179.8	4.0	23.0	28.5	42.8	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Chichimila	594.8	4.0	148.7	13.0	148.7	4.0	13.0	33.3	16.6	6.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Chikindzonot	451.8	3.0	150.6	14.0	378.1	1.0	36.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chochola	579.4	2.0	289.7	27.0	289.7	2.0	27.0	33.3	50.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chumayel	806.8	4.0	201.7	17.0	228.0	2.0	20.0	42.8	28.5	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Dzan	806.8	4.0	201.7	17.0	228.0	2.0	20.0	42.8	28.5	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Dzemu'ul	926.0	5.0	185.2	24.0	185.2	5.0	24.0	0.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Dzidzantun	825.3	6.0	137.5	18.0	381.0	1.0	52.0	42.8	42.8	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Dzilam de Bravo	569.2	4.0	142.3	16.0	155.7	1.0	17.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Dzilam Gonzalez	569.2	4.0	142.3	16.0	155.7	1.0	17.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Dzitas	1284.6	7.0	183.5	15.0	195.5	4.0	16.0	50.0	16.6	0.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0
Dzoncauich	1284.6	7.0	183.5	15.0	195.5	4.0	16.0	50.0	16.6	0.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0
Espita	1006.0	4.0	251.5	23.0	251.5	4.0	23.0	50.0	0.0	6.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Halacho	577.7	3.0	192.5	18.0	192.5	3.0	18.0	0.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Hocaba	700.7	3.0	233.5	22.0	233.5	3.0	22.0	0.0	60.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Hoctun	700.7	3.0	233.5	22.0	233.5	3.0	22.0	0.0	60.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Hornun	871.3	4.0	217.8	19.0	247.2	1.0	21.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.240. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Yucatán.

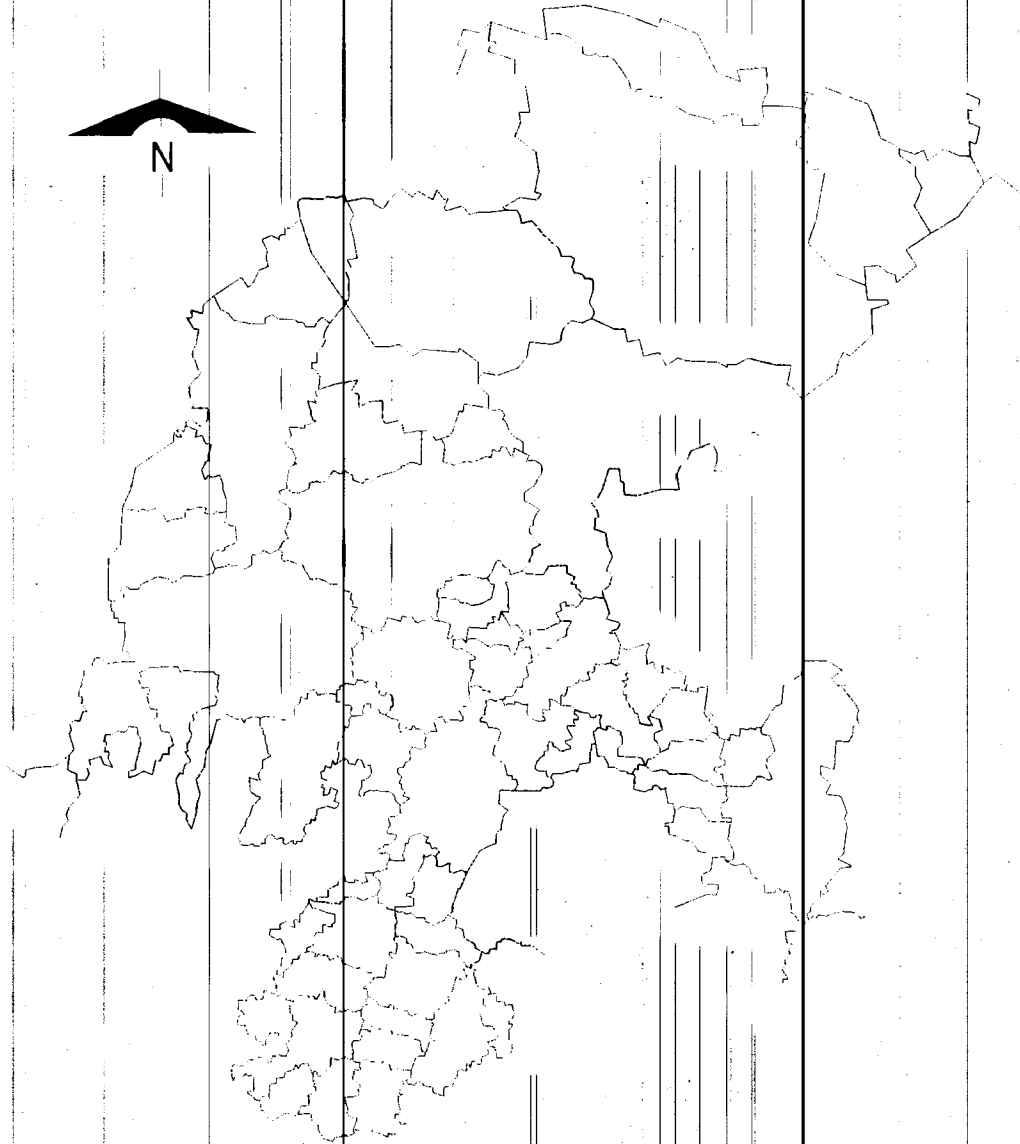
Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I^*	Intensidad	Duración $I_{m\acute{a}x}$	% de $I_{m\acute{a}x}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I^*(mm/a\acute{o}o)$	respecto a X_0	$I_{m\acute{a}x}(mm/a\acute{o}o)$	$D_{I_{m\acute{a}x}}(a\acute{o}s)$	respecto a X_0	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Huhi	872.1	5.0	174.4	15.0	236.3	1.0	21.0	20.0	40.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
Hunucma	745.1	5.0	149.0	19.0	159.5	3.0	20.0	20.0	40.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Ixil	785.1	4.0	196.2	28.0	196.2	4.0	28.0	0.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Izamal	872.1	5.0	174.4	15.0	236.3	1.0	21.0	20.0	40.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
Kanasin	751.9	4.0	187.9	18.0	187.9	4.0	18.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Kantunil	872.1	5.0	174.4	15.0	236.3	1.0	21.0	20.0	40.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
Kaua	1284.6	7.0	183.5	15.0	195.5	4.0	16.0	50.0	16.6	0.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0
Kinchil	668.4	5.0	133.6	16.0	243.6	2.0	29.0	60.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Kopoma	579.4	2.0	289.7	27.0	289.7	2.0	27.0	33.3	50.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mama	806.8	4.0	201.7	17.0	228.0	2.0	20.0	42.8	28.5	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Mani	806.8	4.0	201.7	17.0	228.0	2.0	20.0	42.8	28.5	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Maxcanu	579.4	2.0	289.7	27.0	289.7	2.0	27.0	33.3	50.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mayapan	1544.0	5.0	308.8	29.0	308.8	5.0	29.0	75.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Merida	751.9	4.0	187.9	18.0	187.9	4.0	18.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Mococha	831.2	4.0	207.8	21.0	357.6	1.0	36.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Motul	776.0	4.0	194.0	19.0	284.7	2.0	28.0	0.0	60.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
Muna	682.7	4.0	170.6	16.0	170.6	4.0	16.0	33.3	16.6	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Muxupip	776.0	4.0	194.0	19.0	284.7	2.0	28.0	0.0	60.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
Opichen	577.7	3.0	192.5	18.0	192.5	3.0	18.0	0.0	40.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Oxkutzcab	520.6	4.0	130.1	12.0	159.0	2.0	15.0	20.0	20.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Panaba	1417.3	4.0	354.3	34.0	354.3	4.0	34.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Peto	819.2	6.0	136.5	13.0	211.6	1.0	20.0	71.4	14.2	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Progreso	719.4	4.0	179.8	23.0	179.8	4.0	23.0	28.5	42.8	14.2	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Quintana Roo	1284.6	7.0	183.5	15.0	195.5	4.0	16.0	50.0	16.6	0.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0
Rio Lagartos	531.7	4.0	132.9	11.0	190.4	1.0	16.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Sacalum	840.1	4.0	210.0	20.0	210.0	4.0	20.0	20.0	20.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Samahil	668.4	5.0	133.6	16.0	243.6	2.0	29.0	60.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Sanahcat	872.1	5.0	174.4	15.0	236.3	1.0	21.0	20.0	40.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
San Felipe	1417.3	4.0	354.3	34.0	354.3	4.0	34.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Santa Elena	793.1	4.0	198.2	19.0	281.2	2.0	27.0	20.0	60.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Seye	700.7	3.0	233.5	22.0	233.5	3.0	22.0	0.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Sinache	825.3	6.0	137.5	18.0	381.0	1.0	52.0	42.8	42.8	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Sotuta	1058.9	5.0	211.7	18.0	211.7	5.0	18.0	42.8	28.5	0.0	0.0	28.5	0.0	0.0	0.0	0.0	0.0
Sucila	1006.0	4.0	251.5	23.0	251.5	4.0	23.0	50.0	0.0	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Sudzal	845.5	5.0	169.1	16.0	410.5	2.0	40.0	40.0	20.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
Suma	700.7	4.0	175.1	16.0	175.1	4.0	16.0	0.0	60.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.240. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Yucatán.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I*Smáx/Dmáx	% de P	Intensidad	Duración / máx	% de I máx	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S máx(mm)	D máx(años)	I*(mm/año)	respecto a X _o	I máx(mm/año)	D I máx(años)	respecto a X _o	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Tahdziu	819.2	6.0	136.5	13.0	211.6	1.0	20.0	71.4	14.2	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Tahmek	700.7	3.0	233.5	22.0	233.5	3.0	22.0	0.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Teabo	1365.0	5.0	273.0	24.0	273.0	5.0	24.0	50.0	37.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0
Tecoh	840.1	4.0	210.0	20.0	210.0	4.0	20.0	20.0	20.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Tekal de Venegas	700.7	4.0	175.1	16.0	175.1	4.0	16.0	0.0	60.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
Tekanto	700.7	4.0	175.1	16.0	175.1	4.0	16.0	0.0	60.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
Tekax	752.5	5.0	150.5	14.0	192.7	2.0	18.0	71.4	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
Tekit	806.8	4.0	201.7	17.0	228.0	2.0	20.0	42.8	28.5	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Tekom	1284.6	7.0	183.5	15.0	195.5	4.0	16.0	50.0	16.6	0.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0
Telchac Pueblo	926.0	5.0	185.2	24.0	185.2	5.0	24.0	0.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Telchac Puerto	926.0	5.0	185.2	24.0	185.2	5.0	24.0	0.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Temax	825.3	6.0	137.5	18.0	381.0	1.0	52.0	42.8	42.8	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Temozon	844.3	4.0	211.0	19.0	275.2	1.0	24.0	33.3	50.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
Tepakan	700.7	4.0	175.1	16.0	175.1	4.0	16.0	0.0	60.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
Tetiz	688.4	5.0	133.6	16.0	243.6	2.0	29.0	60.0	20.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Teya	700.7	4.0	175.1	16.0	175.1	4.0	16.0	0.0	60.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
Ticul	806.8	4.0	201.7	17.0	228.0	2.0	20.0	42.8	28.5	0.0	14.2	14.2	0.0	0.0	0.0	0.0	0.0
Timucuy	751.9	4.0	187.9	18.0	187.9	4.0	18.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Tinum	1290.4	6.0	215.0	17.0	265.0	3.0	21.0	50.0	16.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Tixcacalcupul	451.8	3.0	150.6	14.0	378.1	1.0	36.0	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tixkokob	831.2	4.0	207.8	21.0	357.6	1.0	36.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Tixmehuac	819.2	6.0	136.5	13.0	211.6	1.0	20.0	71.4	14.2	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Tixpehual	751.9	4.0	187.9	18.0	187.9	4.0	18.0	20.0	40.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Tizimin	860.1	4.0	215.0	25.0	215.0	4.0	25.0	40.0	0.0	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0
Tunkas	1284.6	7.0	183.5	15.0	195.5	4.0	16.0	50.0	16.6	0.0	16.6	0.0	0.0	16.6	0.0	0.0	0.0
Tzucacab	819.2	6.0	136.5	13.0	211.6	1.0	20.0	71.4	14.2	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Uayma	1290.4	6.0	215.0	17.0	265.0	3.0	21.0	50.0	16.6	16.6	0.0	0.0	16.6	0.0	0.0	0.0	0.0
Ucu	578.8	5.0	115.7	15.0	127.0	2.0	16.0	33.3	33.3	16.6	0.0	16.6	0.0	0.0	0.0	0.0	0.0
Uman	879.4	3.0	293.1	28.0	293.1	3.0	28.0	20.0	20.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Valladolid	594.8	4.0	148.7	13.0	148.7	4.0	13.0	33.3	16.6	16.6	33.3	0.0	0.0	0.0	0.0	0.0	0.0
Xocchel	700.7	3.0	233.5	22.0	233.5	3.0	22.0	0.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
Yaxcaba	1058.9	5.0	211.7	18.0	211.7	5.0	18.0	42.8	28.5	0.0	0.0	28.5	0.0	0.0	0.0	0.0	0.0
Yaxkukul	831.2	4.0	207.8	21.0	357.6	1.0	36.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Yobain	825.3	6.0	137.5	18.0	381.0	1.0	52.0	42.8	42.8	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Estatat	711.3	5.0	142.2	14.0	228.1	1.0	23.0	20.0	20.0	0.0	40.0	20.0	0.0	0.0	0.0	0.0	0.0

Tabla C.240. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Yucatán.

ZACATECAS



Estación	Estadísticos de la lluvia anual registrada						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _a (mm)	(mm)	S(mm)	g	k	Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
HA32001	304.8	247.1	178.7	1.1	3.9	0.59	241.0	165.0	117.0	65.0	0.0	0.0	5.8	90.9	14.3
HA32002	418.7	449.0	151.0	-0.2	2.8	0.36	426.0	297.0	219.0	146.0	53.0	0.0	15.1	116.0	26.9
HA32003	407.6	387.3	137.6	0.2	3.1	0.34	385.0	301.0	250.0	198.0	124.0	61.0	24.3	124.3	49.7
HA32004	327.4	294.1	158.8	2.1	10.2	0.48	314.0	240.0	184.0	113.0	0.0	0.0	6.3	146.0	15.0
HA32006	361.0	385.5	102.7	-0.2	2.7	0.28	373.0	266.0	210.0	159.0	96.0	48.0	8.9	183.3	14.3
HA32007	320.9	318.0	102.7	0.1	2.4	0.32	317.0	228.0	184.0	144.0	92.0	53.0	8.3	162.0	14.6
HA32010	376.5	349.9	155.0	2.3	11.1	0.41	363.0	277.0	222.0	169.0	100.0	48.0	5.7	188.9	15.3
HA32011	333.9	289.5	155.7	1.7	7.2	0.47	296.0	221.0	167.0	104.0	0.0	0.0	6.9	119.5	17.1
HA32012	453.7	454.0	163.4	0.3	3.2	0.36	438.0	321.0	240.0	154.0	30.0	0.0	9.0	191.0	15.0
HA32013	536.4	557.5	147.9	-0.8	4.5	0.28	550.0	427.0	350.0	278.0	185.0	116.0	65.7	86.2	135.1
HA32015	325.5	314.4	111.5	-0.1	3.4	0.34	320.0	245.0	199.0	156.0	100.0	58.0	50.0	51.0	113.2
HA32017	604.5	631.0	219.1	-0.1	4.4	0.36	625.0	457.0	347.0	241.0	101.0	0.0	26.9	83.5	56.2
HA32019	722.3	724.9	174.8	-1.1	5.9	0.24	730.0	564.0	458.0	357.0	228.0	131.0	56.9	123.6	105.5
HA32020	370.5	362.0	132.4	0.2	3.0	0.36	359.0	261.0	202.0	144.0	65.0	3.0	17.3	101.5	33.0
HA32021	415.6	391.2	148.3	0.4	2.6	0.36	388.0	287.0	228.0	172.0	101.0	48.0	8.4	191.0	15.8
HA32024	355.7	351.3	102.4	0.5	3.4	0.29	349.0	274.0	227.0	182.0	124.0	80.0	13.1	169.0	24.7
HA32026	358.2	367.1	200.4	0.7	4.3	0.56	310.0	156.0	73.0	0.0	0.0	0.0	5.4	69.4	10.2
HA32028	384.2	379.0	134.3	0.0	3.2	0.35	373.0	283.0	229.0	179.0	114.0	64.0	49.0	56.0	112.4
HA32029	701.1	697.7	140.4	-0.6	4.5	0.20	697.0	594.0	532.0	475.0	402.0	347.0	81.0	300.7	179.5
HA32030	580.1	569.7	166.4	0.9	6.2	0.29	566.0	457.0	371.0	263.0	79.0	0.0	10.4	278.0	18.4
HA32033	468.2	445.3	248.6	2.8	16.9	0.53	459.0	301.0	192.0	79.0	0.0	0.0	7.6	81.0	19.7
HA32034	463.9	475.3	132.5	0.5	3.9	0.29	461.0	348.0	267.0	183.0	62.0	0.0	6.1	270.3	9.7
HA32036	409.7	409.3	173.9	0.4	2.9	0.42	393.0	253.0	167.0	83.0	0.0	0.0	6.1	160.5	10.6
HA32037	672.1	654.7	176.7	-0.3	3.7	0.26	659.0	528.0	452.0	381.0	290.0	222.0	51.5	207.3	116.4
HA32038	351.9	339.2	145.0	0.4	3.1	0.41	336.0	238.0	178.0	121.0	47.0	0.0	13.0	98.1	26.7
HA32039	681.1	707.5	210.1	-0.3	3.6	0.31	701.0	537.0	421.0	301.0	132.0	0.0	25.0	166.6	41.7
HA32040	276.6	276.9	109.4	0.6	3.9	0.40	262.0	197.0	153.0	109.0	46.0	0.0	16.0	75.9	32.8
HA32041	341.4	354.3	165.1	0.4	2.9	0.48	316.0	189.0	129.0	67.0	0.0	0.0	7.3	95.5	14.7
HA32042	506.8	518.7	151.7	-0.6	3.7	0.30	521.0	398.0	321.0	247.0	152.0	81.0	31.2	137.0	57.9
HA32043	372.5	342.0	152.4	0.7	4.0	0.41	325.0	238.0	184.0	117.0	0.0	0.0	11.9	107.0	21.8
HA32046	440.7	443.0	127.0	-0.3	3.0	0.29	438.0	332.0	274.0	220.0	151.0	100.0	23.3	157.0	46.0
HA32049	349.5	349.0	101.0	-0.1	3.1	0.29	346.0	277.0	235.0	196.0	145.0	107.0	35.0	121.5	76.8
HA32050	290.7	272.4	131.2	0.2	2.6	0.45	272.0	185.0	135.0	87.0	27.0	0.0	14.5	61.5	29.6
HA32051	419.1	412.3	132.7	0.2	3.8	0.32	407.0	323.0	259.0	185.0	69.0	0.0	21.3	116.0	34.9
HA32052	288.8	248.1	164.6	0.4	3.7	0.57	245.0	144.0	88.0	36.0	0.0	0.0	4.9	103.5	8.2

Tabla C.241. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Zacatecas.

Estación	Estadísticos de la lluvia anual registrada					Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)					Tr(años)	lluvia mínima	Tr(años)	
	Media	Mediana	Desv	Std	Coefficientes	2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _o (mm)	(mm)	S(mm)	g	k Cv	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	decil	Hp min(mm)	Hp min
HA32067	646.5	678.5	168.1	-1.3	5.1 0.26	680.0	533.0	435.0	341.0	220.0	129.0	39.1	184.6	65.3
HA32068	558.7	555.3	213.1	0.8	5.0 0.38	555.0	405.0	307.0	214.0	94.0	4.0	10.1	213.5	20.1
HA32069	347.8	334.4	121.2	0.4	3.2 0.35	335.0	244.0	190.0	137.0	64.0	6.0	8.6	157.0	15.3
HA32071	400.1	379.0	165.7	1.3	6.0 0.41	365.0	278.0	213.0	135.0	0.0	0.0	7.8	161.5	16.2
HA32072	419.3	421.5	148.5	-0.1	3.2 0.35	427.0	304.0	224.0	148.0	47.0	0.0	16.5	106.0	29.2
HA32073	446.4	439.1	160.1	-0.2	2.6 0.36	456.0	318.0	233.0	153.0	50.0	0.0	14.9	123.1	26.0
HA32076	326.0	327.5	118.2	0.0	2.7 0.36	329.0	216.0	156.0	101.0	29.0	0.0	10.1	111.9	17.3
HA32078	316.4	290.8	119.8	0.7	3.8 0.38	289.0	213.0	166.0	116.0	40.0	0.0	7.7	134.5	15.5
HA32084	370.2	340.0	135.6	0.9	4.1 0.37	320.0	258.0	219.0	170.0	77.0	0.0	13.7	141.0	27.8
HA32085	639.9	655.7	193.0	0.1	2.3 0.30	631.0	467.0	370.0	279.0	164.0	77.0	7.5	348.0	11.8
HA32087	409.8	399.0	185.6	1.1	5.5 0.45	380.0	270.0	192.0	103.0	0.0	0.0	8.7	121.7	17.5
HA32090	422.1	367.0	193.0	0.7	4.7 0.46	364.0	258.0	200.0	140.0	47.0	0.0	6.5	171.7	14.0
HA32091	301.3	283.5	169.0	0.5	4.1 0.56	267.0	171.0	113.0	60.0	0.0	0.0	6.1	104.0	11.3
HA32092	265.9	231.5	99.3	1.5	7.1 0.37	222.0	188.0	165.0	133.0	58.0	0.0	3.5	165.5	9.8
HA32093	463.3	455.0	138.4	0.3	3.4 0.30	449.0	335.0	272.0	207.0	109.0	28.0	8.2	234.5	15.0
HA32094	336.9	328.0	102.5	0.6	3.5 0.30	315.0	259.0	226.0	195.0	153.0	121.0	9.5	193.8	20.4
HA32096	364.2	346.5	125.1	0.5	3.3 0.34	343.0	262.0	214.0	168.0	105.0	54.0	10.0	169.0	19.6
HA32098	462.8	445.0	122.8	1.2	6.3 0.27	440.0	369.0	320.0	268.0	185.0	106.0	13.3	240.0	27.8
HA32099	352.6	325.5	188.0	1.8	9.3 0.53	345.0	204.0	108.0	10.0	0.0	0.0	5.3	104.8	10.2
HA32103	502.3	487.8	146.0	0.2	3.3 0.29	493.0	396.0	336.0	280.0	208.0	154.0	20.4	222.8	41.3
HA32104	613.4	596.2	151.6	0.2	3.7 0.25	601.0	503.0	441.0	383.0	308.0	252.0	30.3	287.2	64.5
HA32107	345.2	327.0	112.1	0.1	2.8 0.32	326.0	249.0	221.0	195.0	160.0	132.0	45.7	120.8	129.3
HA32108	455.3	431.0	115.8	0.1	3.9 0.25	429.0	385.0	342.0	271.0	169.0	93.0	21.7	213.1	33.7
HA32112	750.7	816.6	190.4	-1.1	4.6 0.25	798.0	625.0	456.0	318.0	167.0	62.0	16.1	285.2	24.1
HA32113	616.3	529.7	228.4	1.2	4.2 0.37	545.0	457.0	403.0	353.0	287.0	238.0	6.9	354.6	19.5
HA32116	539.4	530.0	162.5	-0.2	3.6 0.30	543.0	422.0	349.0	281.0	192.0	127.0	17.4	236.3	31.6
HA32118	419.8	406.5	161.2	0.7	5.0 0.38	402.0	312.0	254.0	200.0	130.0	77.0	18.7	138.5	44.6
HA32119	422.0	409.7	188.7	0.8	6.0 0.45	414.0	263.0	150.0	22.0	0.0	0.0	7.0	128.0	11.4
HA32120	368.6	404.0	156.0	-0.1	2.5 0.42	400.0	183.0	166.0	150.0	125.0	95.0	3.5	147.6	22.3
HA32121	396.1	416.0	162.3	0.3	3.5 0.41	387.0	270.0	195.0	125.0	33.0	0.0	10.2	136.6	17.8
HA32122	438.9	427.1	172.3	1.4	6.2 0.39	409.0	306.0	217.0	84.0	0.0	0.0	6.7	203.5	10.9
HA32123	420.4	401.8	140.3	-0.2	3.2 0.33	417.0	305.0	248.0	194.0	125.0	72.0	14.3	171.2	27.1
HA32125	664.9	667.0	131.5	-0.9	4.9 0.20	665.0	560.0	518.0	481.0	433.0	398.0	152.2	325.0	426.4
HA32129	442.1	454.3	109.2	-0.3	2.8 0.25	453.0	337.0	289.0	246.0	193.0	153.0	13.0	237.1	23.4
HA32130	544.6	565.7	156.2	-0.1	4.0 0.29	557.0	429.0	345.0	265.0	160.0	80.0	16.6	221.7	29.1

Tabla C.241. Características estadísticas de la lluvia anual de cada estación climatológica del estado de Zacatecas.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA32001	154.8	218.7	282.7	346.6	410.5	474.4	538.3	602.3	666.2	730.1	23.3	16.6	20.0	10.0	6.6	6.6	3.3	3.3	3.3	6.6
HA32002	175.3	234.6	294.0	353.3	412.6	471.9	531.2	590.6	649.9	709.2	3.3	13.3	6.6	10.0	10.0	23.3	6.6	16.6	6.6	3.3
HA32003	182.9	241.5	300.0	358.6	417.2	475.8	534.4	592.9	651.5	710.1	5.2	5.2	7.8	21.0	21.0	10.5	10.5	7.8	5.2	5.2
HA32004	222.6	299.1	375.7	452.2	528.8	605.4	681.9	758.5	835.0	911.6	26.9	23.0	23.0	11.5	11.5	0.0	0.0	0.0	0.0	3.8
HA32006	219.1	254.9	290.6	326.4	362.2	398.0	433.8	469.5	505.3	541.1	17.3	0.0	4.3	17.3	4.3	17.3	13.0	8.6	8.6	8.6
HA32007	195.8	229.6	263.4	297.2	331.0	364.8	398.6	432.4	466.2	500.0	10.7	17.8	3.5	14.2	7.1	7.1	14.2	10.7	0.0	14.2
HA32010	267.1	345.3	423.5	501.7	579.9	658.1	736.3	814.5	892.7	970.9	20.6	27.5	27.5	17.2	0.0	0.0	3.4	0.0	0.0	3.4
HA32011	196.0	272.5	348.9	425.4	501.9	578.4	654.9	731.3	807.8	884.3	13.1	26.3	26.3	10.5	15.7	0.0	2.6	2.6	0.0	2.6
HA32012	252.6	314.2	375.8	437.4	498.9	560.5	622.1	683.7	745.3	806.9	11.1	7.4	14.8	11.1	25.9	7.4	3.7	7.4	3.7	7.4
HA32013	158.0	229.9	301.7	373.6	445.4	517.2	589.1	660.9	732.8	804.6	2.6	0.0	2.6	5.2	18.4	7.8	26.3	15.7	15.7	5.2
HA32015	100.1	149.1	198.2	247.2	296.3	345.3	394.4	443.4	492.5	541.5	3.1	0.0	9.3	12.5	15.6	18.7	15.6	6.2	9.3	9.3
HA32017	195.7	307.9	420.1	532.3	644.5	756.6	868.8	981.0	1093.2	1205.4	5.2	2.6	10.5	10.5	23.6	28.9	7.8	7.8	0.0	2.6
HA32019	209.6	295.6	381.6	467.6	553.6	639.6	725.6	811.6	897.6	983.6	2.6	0.0	0.0	5.2	5.2	10.5	26.3	21.0	10.5	18.4
HA32020	155.9	210.3	264.8	319.2	373.6	428.0	482.4	536.9	591.3	645.7	2.7	8.1	10.8	18.9	16.2	10.8	13.5	10.8	0.0	8.1
HA32021	242.2	293.3	344.5	395.7	446.9	498.0	549.2	600.4	651.5	702.7	14.8	3.7	18.5	14.8	14.8	3.7	3.7	14.8	3.7	7.4
HA32024	209.4	249.8	290.1	330.5	370.9	411.3	451.7	492.0	532.4	572.8	3.5	10.7	14.2	10.7	25.0	10.7	7.1	7.1	3.5	7.1
HA32026	146.7	224.0	301.2	378.5	455.8	533.1	610.4	687.6	764.9	842.2	11.1	16.6	16.6	16.6	11.1	11.1	5.5	5.5	0.0	5.5
HA32028	114.9	173.9	232.8	291.7	350.7	409.6	468.5	527.4	586.4	645.3	2.7	0.0	11.1	11.1	13.8	22.2	11.1	11.1	8.3	8.3
HA32029	363.4	426.0	488.7	551.3	614.0	676.7	739.3	802.0	864.6	927.3	3.5	0.0	0.0	7.1	10.7	25.0	14.2	10.7	14.2	14.2
HA32030	366.2	454.3	542.4	630.6	718.7	806.9	895.0	983.2	1071.4	1159.5	10.5	10.5	21.0	23.6	13.1	15.7	2.6	0.0	0.0	2.6
HA32033	235.4	389.7	544.1	698.5	852.9	1007.2	1161.6	1316.0	1470.3	1624.7	13.8	22.2	33.3	22.2	5.5	0.0	0.0	0.0	0.0	2.7
HA32034	324.3	378.2	432.2	486.1	540.1	594.0	648.0	701.9	755.9	809.8	17.2	6.8	13.7	13.7	20.6	13.7	6.8	0.0	3.4	3.4
HA32036	227.9	295.2	362.6	429.9	497.3	564.6	632.0	699.3	766.7	834.0	18.4	15.7	5.2	15.7	13.1	7.8	15.7	2.6	2.6	2.6
HA32037	287.0	366.7	446.5	526.2	605.9	685.6	765.3	845.1	924.8	1004.5	2.8	2.8	2.8	5.7	25.7	14.2	14.2	8.5	17.1	5.7
HA32038	156.5	214.9	273.3	331.7	390.1	448.4	506.8	565.2	623.6	682.0	7.8	5.2	18.4	15.7	13.1	15.7	7.8	5.2	5.2	5.2
HA32039	261.5	356.5	451.4	546.4	641.3	736.2	831.2	926.1	1021.1	1116.0	5.2	2.6	7.8	7.8	10.5	21.0	28.9	7.8	0.0	7.8
HA32040	123.7	171.6	219.4	267.3	315.1	362.9	410.8	458.6	506.5	554.3	3.3	13.3	13.3	13.3	30.0	6.6	6.6	6.6	3.3	3.3
HA32041	156.5	217.4	278.4	339.4	400.4	461.3	522.3	583.3	644.2	705.2	13.7	13.7	13.7	6.8	13.7	20.6	3.4	3.4	6.8	3.4
HA32042	201.0	264.9	328.9	392.8	456.7	520.7	584.7	648.6	712.6	776.5	6.0	3.0	3.0	6.0	15.1	18.1	21.2	9.0	12.1	6.0
HA32043	168.4	229.7	291.1	352.4	413.8	475.1	536.5	597.8	659.2	720.5	4.1	8.3	25.0	16.6	4.1	20.8	8.3	4.1	0.0	8.3
HA32046	208.1	259.1	310.2	361.2	412.3	463.3	514.4	565.4	616.4	667.5	5.2	2.6	5.2	13.1	15.7	18.4	7.8	18.4	5.2	7.8
HA32049	164.5	207.4	250.4	293.3	336.2	379.2	422.1	465.1	508.0	551.0	2.7	8.1	2.7	16.2	16.2	16.2	10.8	8.1	13.5	5.4
HA32050	109.3	157.0	204.8	252.5	300.3	348.0	395.8	443.5	491.3	539.0	6.6	6.6	13.3	16.6	16.6	10.0	0.0	13.3	10.0	6.6
HA32051	177.5	239.0	300.5	362.0	423.5	485.0	546.5	608.0	669.5	731.0	5.2	2.6	7.8	18.4	23.6	15.7	10.5	7.8	2.6	5.2
HA32052	146.3	189.1	231.9	274.7	317.5	360.3	403.1	445.9	488.7	531.5	25.0	12.5	2.5	0.0	12.5	0.0	0.0	12.5	12.5	12.5

Tabla C.242. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Zacatecas.

Estación	Deciles de la lluvia anual registrada										Probabilidad de ocurrencia de los deciles de lluvia									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA32067	252.0	319.4	386.8	454.2	521.6	589.0	656.4	723.8	791.2	858.6	6.4	0.0	3.2	3.2	3.2	6.4	22.5	22.5	16.1	16.1
HA32068	306.4	399.2	492.1	584.9	677.8	770.6	863.5	956.3	1049.2	1142.0	8.3	12.5	16.6	20.8	16.6	16.6	0.0	4.1	0.0	4.1
HA32069	201.5	246.0	290.5	335.0	379.5	423.9	468.4	512.9	557.4	601.9	14.8	7.4	14.8	14.8	11.1	11.1	11.1	3.7	3.7	7.4
HA32071	238.0	314.5	390.9	467.4	543.9	620.4	696.9	773.3	849.8	926.3	10.8	18.9	24.3	18.9	16.2	2.7	2.7	0.0	2.7	2.7
HA32072	168.7	231.3	294.0	356.7	419.4	482.0	544.7	607.4	670.0	732.7	5.5	5.5	8.3	11.1	16.6	16.6	16.6	11.1	2.7	5.5
HA32073	186.6	250.1	313.5	377.0	440.5	504.0	567.5	630.9	694.4	757.9	5.2	15.7	2.6	5.2	21.0	10.5	13.1	15.7	2.6	7.8
HA32076	155.3	198.7	242.1	285.5	328.9	372.3	415.7	459.1	502.5	545.9	7.1	14.2	3.5	10.7	14.2	10.7	14.2	14.2	0.0	10.7
HA32078	183.0	231.4	279.9	328.3	376.7	425.2	473.6	522.1	570.6	619.0	15.3	3.8	30.7	7.6	15.3	7.6	11.5	0.0	3.8	3.8
HA32084	198.2	255.4	312.6	369.8	427.0	484.2	541.4	598.6	655.8	713.0	3.7	14.8	29.6	11.1	11.1	11.1	7.4	3.7	0.0	7.4
HA32085	409.4	470.7	532.1	593.4	654.8	716.2	777.5	838.9	900.2	961.6	14.8	14.8	7.4	3.7	7.4	18.5	7.4	7.4	7.4	11.1
HA32087	208.5	295.4	382.2	469.0	555.9	642.7	729.5	816.3	903.2	990.0	7.8	15.7	18.4	31.5	5.2	13.1	2.6	0.0	2.6	2.6
HA32090	235.8	300.0	364.1	428.2	492.4	556.5	620.6	684.7	748.9	813.0	18.1	18.1	9.0	9.0	9.0	18.1	0.0	9.0	0.0	9.0
HA32091	154.1	204.1	254.2	304.2	354.3	404.3	454.4	504.4	554.5	604.5	30.0	0.0	10.0	20.0	10.0	0.0	0.0	20.0	0.0	10.0
HA32092	200.1	234.6	269.2	303.7	338.3	372.8	407.4	441.9	476.5	511.0	25.0	25.0	8.3	16.6	8.3	0.0	8.3	0.0	0.0	8.3
HA32093	290.4	346.3	402.1	458.0	513.9	569.8	625.7	681.5	737.4	793.3	12.0	12.0	12.0	16.0	8.0	16.0	16.0	4.0	0.0	4.0
HA32094	228.5	263.2	298.0	332.7	367.4	402.1	436.8	471.6	506.3	541.0	16.6	5.5	11.1	33.3	0.0	5.5	11.1	0.0	5.5	11.1
HA32096	214.5	260.0	305.5	351.0	396.5	442.0	487.5	533.0	578.5	624.0	12.0	8.0	12.0	24.0	8.0	16.0	4.0	4.0	0.0	12.0
HA32098	299.4	358.7	418.1	477.4	536.8	596.2	655.5	714.9	774.2	833.6	4.1	8.3	25.0	29.1	12.5	8.3	8.3	0.0	0.0	4.1
HA32099	195.0	285.1	375.3	465.5	555.7	645.8	736.0	826.2	916.3	1006.5	20.8	12.5	33.3	12.5	16.6	0.0	0.0	0.0	0.0	4.1
HA32103	278.6	334.4	390.3	446.1	501.9	557.7	613.5	669.4	725.2	781.0	4.5	13.6	0.0	18.1	22.7	9.0	13.6	0.0	9.0	9.0
HA32104	348.7	410.2	471.8	533.3	594.8	656.3	717.8	779.4	840.9	902.4	4.5	0.0	13.6	4.5	27.2	18.1	13.6	0.0	9.0	9.0
HA32107	163.4	206.0	248.7	291.3	333.9	376.5	419.1	461.8	504.4	547.0	4.5	0.0	13.6	22.7	9.0	9.0	9.0	18.1	4.5	9.0
HA32108	261.9	310.8	359.6	408.5	457.3	506.1	555.0	603.8	652.7	701.5	4.7	4.7	0.0	23.8	23.8	9.5	14.2	9.5	4.7	4.7
HA32112	357.0	428.7	500.5	572.2	644.0	715.8	787.5	859.3	931.0	1002.8	9.5	0.0	4.7	0.0	4.7	14.2	9.5	28.5	14.2	14.2
HA32113	431.8	509.1	586.3	663.6	740.8	818.0	895.3	972.5	1049.8	1127.0	19.0	14.2	33.3	9.5	0.0	0.0	4.7	9.5	0.0	9.5
HA32116	294.1	352.0	409.8	467.7	525.5	583.3	641.2	699.0	756.9	814.7	11.1	0.0	5.5	16.6	11.1	11.1	16.6	11.1	5.5	11.1
HA32118	205.3	272.1	338.9	405.7	472.6	539.4	606.2	673.0	739.8	806.6	11.1	0.0	16.6	22.2	22.2	11.1	5.5	0.0	5.5	5.5
HA32119	208.2	288.4	368.6	448.8	529.0	609.2	689.4	769.6	849.8	930.0	11.1	11.1	5.5	33.3	11.1	16.6	5.5	0.0	0.0	5.5
HA32120	196.0	244.4	292.9	341.3	389.7	438.1	486.5	535.0	583.4	631.8	26.3	5.2	5.2	0.0	5.2	21.0	10.5	15.7	0.0	10.5
HA32121	193.4	250.1	306.9	363.7	420.4	477.2	534.0	590.8	647.5	704.3	11.1	11.1	5.5	16.6	5.5	22.2	11.1	5.5	0.0	11.1
HA32122	271.3	339.1	406.9	474.7	542.4	610.2	678.0	745.8	813.6	881.4	16.6	5.5	22.2	27.7	16.6	0.0	0.0	0.0	5.5	5.5
HA32123	220.0	268.9	317.7	366.6	415.4	464.2	513.1	561.9	610.8	659.6	11.1	5.5	5.5	5.5	27.7	0.0	11.1	22.2	0.0	11.1
HA32125	376.8	428.6	480.4	532.2	584.0	635.8	687.6	739.4	791.2	843.0	5.5	0.0	0.0	11.1	0.0	33.3	0.0	11.1	22.2	16.6
HA32129	272.8	308.5	344.1	379.8	415.5	451.2	486.9	522.5	558.2	593.9	5.5	5.5	11.1	5.5	16.6	5.5	11.1	11.1	11.1	16.6
HA32130	285.8	350.0	414.1	478.2	542.3	606.5	670.6	734.7	798.9	863.0	5.5	5.5	11.1	11.1	5.5	27.7	16.6	11.1	0.0	5.5

Tabla C.242. Deciles y probabilidad de ocurrencia de la lluvia anual de cada estación climatológica del estado de Zacatecas.

Estación	Características promedio de la sequía meteorológica								H _l disponible Hp disp S(mm)	Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s			
HA32001	4.8	4.1	2.5	2.6	301.7	391.9	120.6	39.0	184.2	3.8	MUY CRITICA
HA32002	3.8	1.9	1.6	0.9	230.3	213.8	143.9	34.0	274.7	6.0	CRITICA
HA32003	4.2	2.1	2.4	1.2	229.6	126.2	95.6	23.0	312.0	4.3	MUY VASTA
HA32004	3.5	1.7	1.8	1.6	180.1	157.0	100.0	30.0	227.4	5.9	VASTA
HA32006	3.6	1.3	1.4	0.4	139.7	62.1	99.7	27.0	261.2	5.3	VASTA
HA32007	5.0	1.4	2.7	1.4	241.1	176.2	89.2	27.0	231.6	4.8	MUY VASTA
HA32010	4.0	1.1	2.1	1.5	184.9	179.8	88.0	23.0	288.5	4.4	MUY VASTA
HA32011	4.1	2.3	2.5	1.7	211.9	123.1	84.7	25.0	249.2	3.4	MUY VASTA
HA32012	3.4	1.1	1.5	0.7	211.4	145.7	140.9	31.0	312.7	5.4	CRITICA
HA32013	4.0	1.0	1.4	0.9	215.1	207.9	153.6	28.0	382.8	7.4	VASTA
HA32015	3.6	1.7	1.8	1.1	154.4	105.9	85.7	26.0	239.8	5.4	VASTA
HA32017	3.8	1.0	1.7	1.0	313.0	305.5	184.1	30.0	420.3	6.3	VASTA
HA32019	4.1	2.0	1.8	1.4	234.1	263.0	130.0	17.0	592.3	4.2	SEVERA
HA32020	4.3	2.1	2.3	1.3	217.4	201.4	94.5	25.0	275.9	4.2	MUY VASTA
HA32021	3.1	1.2	1.6	0.9	179.4	184.8	112.1	26.0	303.5	4.2	VASTA
HA32024	3.7	2.2	1.8	1.6	137.3	197.9	76.2	21.0	279.4	4.6	VASTA
HA32026	3.2	0.8	1.5	0.8	282.8	125.9	188.5	52.0	169.6	4.4	CATASTROFICA
HA32028	3.0	0.8	1.6	0.9	157.1	120.9	98.1	25.0	286.1	4.8	VASTA
HA32029	3.0	0.9	1.7	1.6	193.2	192.8	113.6	16.0	587.4	5.3	SEVERA
HA32030	3.1	1.1	1.8	0.8	210.1	209.4	116.7	20.0	463.3	4.7	SEVERA
HA32033	4.1	1.4	2.2	1.5	302.0	323.9	137.2	29.0	331.0	4.2	MUY VASTA
HA32034	3.7	1.8	1.7	1.2	185.1	178.5	108.8	23.0	355.1	4.7	VASTA
HA32036	4.6	1.8	2.1	1.1	299.7	220.8	142.7	34.0	267.0	4.5	MUY CRITICA
HA32037	4.2	1.5	2.1	1.2	269.5	243.3	128.3	19.0	543.7	4.4	MUY SEVERA
HA32038	5.0	3.6	2.5	1.8	275.0	175.4	110.0	31.0	241.8	4.8	MUY CRITICA
HA32039	4.6	2.2	1.8	1.1	340.0	275.8	188.8	27.0	492.2	6.5	VASTA
HA32040	3.6	2.0	1.6	1.0	135.6	100.7	84.7	30.0	191.8	5.4	VASTA
HA32041	8.3	1.2	3.5	2.1	494.7	345.9	141.3	41.0	200.1	4.4	CATASTROFICA
HA32042	3.8	2.4	1.5	0.9	212.5	226.7	141.6	27.0	365.2	6.7	VASTA
HA32043	4.4	1.3	2.1	1.2	243.8	120.8	116.0	31.0	256.4	3.9	MUY CRITICA
HA32046	3.6	1.4	1.7	0.7	176.8	130.1	104.0	23.0	336.7	4.8	VASTA
HA32049	5.1	2.6	2.5	1.1	181.8	98.6	72.7	20.0	276.7	5.0	MUY SEVERA
HA32050	4.1	1.7	2.1	1.6	200.9	249.6	95.6	32.0	195.1	4.4	MUY CRITICA
HA32051	4.0	2.1	2.1	1.1	187.1	167.8	89.0	21.0	330.1	4.6	MUY VASTA
HA32052	5.0	0.0	2.5	0.5	275.5	81.9	110.1	38.0	178.7	3.4	MUY CRITICA

Tabla C.243. Características de la sequía promedio de cada estación climatológica del estado de Zacatecas.

Estación	Características promedio de la sequía meteorológica								Luvia disponible Hp disp S(mm)	Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s			
HA32067	4.3	2.1	1.9	1.3	268.1	258.3	141.1	21.0	505.4	6.1	VASTA
HA32068	5.0	3.5	2.3	1.4	374.2	270.4	162.6	29.0	396.0	5.3	MUY VASTA
HA32069	4.5	2.5	4.6	2.5	437.9	289.6	95.1	27.0	252.7	4.5	CATASTROFICA
HA32071	3.8	1.2	2.2	1.5	238.6	218.2	108.4	27.0	291.6	4.3	MUY VASTA
HA32072	3.2	1.2	1.5	0.8	190.5	175.0	127.0	30.0	292.3	5.5	VASTA
HA32073	6.0	3.6	2.8	3.3	347.2	561.8	124.0	27.0	322.4	4.8	MUY VASTA
HA32076	2.8	1.0	1.5	0.4	150.6	116.3	100.4	30.0	225.6	4.5	VASTA
HA32078	3.1	1.0	1.6	0.8	137.6	79.6	86.0	27.0	230.3	3.9	VASTA
HA32084	3.2	2.2	1.7	1.5	163.2	124.8	96.0	25.0	274.2	3.8	VASTA
HA32085	4.3	2.0	2.0	1.1	363.3	254.8	181.6	28.0	458.3	5.3	MUY VASTA
HA32087	4.6	2.2	2.4	1.7	284.7	271.2	118.6	28.0	291.1	4.1	MUY VASTA
HA32090	2.6	0.4	1.5	0.5	213.4	118.5	142.2	33.0	279.9	3.9	CRITICA
HA32091	2.5	0.5	2.0	1.4	221.7	245.0	110.8	36.0	190.5	4.0	MUY CRITICA
HA32092	3.3	0.9	1.7	0.8	111.7	49.4	65.7	24.0	200.1	3.5	VASTA
HA32093	3.0	0.7	1.4	0.6	157.0	96.9	112.1	24.0	351.2	4.2	VASTA
HA32094	3.0	1.0	2.0	1.0	119.0	47.6	59.5	17.0	277.4	3.5	MUY SEVERA
HA32096	3.2	0.6	2.0	0.7	151.7	105.8	75.8	20.0	288.4	3.5	MUY SEVERA
HA32098	4.7	1.9	3.0	1.0	210.7	73.3	70.2	15.0	392.5	3.6	EXTREM. SEVERA
HA32099	4.2	2.4	2.3	1.4	260.1	226.3	113.0	32.0	239.5	3.9	MUY CRITICA
HA32103	3.3	1.3	1.8	0.8	178.4	190.4	99.1	19.0	403.1	4.6	SEVERA
HA32104	6.0	2.4	2.7	1.2	311.2	294.8	115.2	18.0	498.2	5.3	MUY SEVERA
HA32107	3.7	1.7	1.8	1.0	175.5	148.0	97.5	28.0	247.7	5.1	VASTA
HA32108	3.1	1.0	1.7	1.0	137.9	174.1	81.1	17.0	374.1	6.3	SEVERA
HA32112	3.3	1.3	1.2	0.6	220.0	211.3	183.3	24.0	567.4	6.4	VASTA
HA32113	6.3	2.0	3.7	1.2	463.0	238.8	125.1	20.0	491.2	3.4	EXTREM. SEVERA
HA32116	4.0	0.5	2.5	1.5	286.5	200.3	114.5	21.0	424.8	4.9	MUY VASTA
HA32118	5.0	0.8	2.5	1.1	257.8	217.1	103.1	24.0	316.7	4.7	MUY VASTA
HA32119	5.6	3.0	2.5	1.1	304.3	248.8	121.7	28.0	300.2	3.9	MUY VASTA
HA32120	7.0	0.5	4.0	1.0	633.0	70.0	158.2	42.0	210.3	3.1	CATASTROFICA
HA32121	3.7	1.7	1.5	0.8	227.3	235.0	151.5	38.0	244.5	6.3	CRITICA
HA32122	3.2	1.1	1.8	1.0	174.9	136.7	97.1	22.0	341.8	3.6	VASTA
HA32123	3.0	1.7	2.0	1.2	204.8	196.0	102.4	24.0	317.9	4.3	MUY VASTA
HA32125	3.2	1.4	1.5	0.7	160.6	168.7	107.0	16.0	557.9	5.2	SEVERA
HA32129	4.2	1.0	1.7	1.1	167.1	82.0	98.2	22.0	343.8	4.6	VASTA
HA32130	4.2	1.2	1.3	0.8	219.0	206.8	168.4	30.0	376.2	7.7	VASTA

Tabla C.243. Características de la sequía promedio de cada estación climatológica del estado de Zacatecas.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad		Duración		Intensidad			1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I^*(mm/a\acute{o}o)$	% de I^*	$I_{m\acute{a}x}(mm/a\acute{o}o)$	$D_{m\acute{a}x}(a\acute{o}s)$	% de $I_{m\acute{a}x}$	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA32001	1238.0	9.0	137.5	45.0	173.8	2.0	57.0	42.8	42.8	0.0	0.0	0.0	0.0	0.0	0.0	14.2	0.0
HA32002	725.1	4.0	181.2	43.0	190.5	2.0	45.0	62.5	25.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0
HA32003	404.4	4.0	101.0	24.0	283.2	1.0	69.0	33.3	22.2	11.1	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA32004	498.6	6.0	88.1	25.0	171.4	2.0	52.0	62.5	25.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
HA32006	227.3	2.0	113.6	31.0	177.6	1.0	49.0	57.1	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32007	527.3	5.0	105.4	32.0	147.8	1.0	46.0	20.0	40.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0
HA32010	495.9	5.0	99.1	26.0	120.4	4.0	31.0	62.5	0.0	12.5	12.5	12.5	0.0	0.0	0.0	0.0	0.0
HA32011	476.4	5.0	95.2	28.0	164.7	1.0	49.0	40.0	30.0	0.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0
HA32012	440.8	2.0	220.4	48.0	220.4	2.0	48.0	62.5	25.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32013	723.4	4.0	180.8	33.0	450.2	1.0	83.0	70.0	20.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32015	332.4	4.0	83.1	25.0	274.5	1.0	84.0	55.5	22.2	0.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0
HA32017	895.7	4.0	223.9	37.0	520.9	1.0	86.0	60.0	20.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32019	783.6	6.0	130.6	18.0	598.7	1.0	82.0	60.0	30.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
HA32020	614.7	4.0	153.6	41.0	153.6	4.0	41.0	44.4	11.1	11.1	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA32021	663.4	4.0	165.8	39.0	184.3	1.0	44.0	55.5	33.3	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA32024	653.2	6.0	108.8	30.0	133.7	1.0	37.0	62.5	25.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
HA32026	463.9	3.0	154.6	43.0	288.7	1.0	80.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32028	343.4	3.0	114.4	29.0	328.2	1.0	85.0	58.3	25.0	8.3	8.3	0.0	0.0	0.0	0.0	0.0	0.0
HA32029	610.6	6.0	101.7	14.0	400.3	1.0	57.0	75.0	12.5	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
HA32030	785.4	4.0	196.3	33.0	204.0	2.0	35.0	36.3	54.5	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32033	1118.8	6.0	186.4	39.0	229.4	2.0	48.0	44.4	22.2	22.2	0.0	0.0	11.1	0.0	0.0	0.0	0.0
HA32034	621.5	5.0	124.3	26.0	178.3	1.0	38.0	62.5	25.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0
HA32036	634.7	4.0	158.6	38.0	231.2	1.0	56.0	44.4	22.2	11.1	22.2	0.0	0.0	0.0	0.0	0.0	0.0
HA32037	786.7	5.0	157.3	23.0	313.0	1.0	46.0	44.4	22.2	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0
HA32038	615.2	6.0	102.5	29.0	249.5	1.0	70.0	37.5	37.5	0.0	0.0	12.5	12.5	0.0	0.0	0.0	0.0
HA32039	905.7	4.0	226.4	33.0	514.4	1.0	75.0	55.5	22.2	0.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0
HA32040	366.3	4.0	91.5	33.0	129.5	1.0	46.0	66.6	11.1	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA32041	1070.0	7.0	152.8	44.0	245.9	1.0	72.0	25.0	0.0	50.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0
HA32042	798.1	4.0	199.5	39.0	369.8	1.0	72.0	66.6	22.2	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
HA32043	415.3	3.0	138.4	37.0	171.9	1.0	46.0	50.0	0.0	33.3	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA32046	458.6	3.0	152.8	34.0	227.7	1.0	51.0	45.4	36.3	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32049	310.4	4.0	77.6	22.0	140.2	2.0	40.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32050	828.9	6.0	138.1	47.0	138.1	6.0	47.0	50.0	25.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
HA32051	647.7	5.0	129.5	30.0	189.6	2.0	45.0	30.0	50.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
HA32052	357.4	3.0	119.1	41.0	119.1	3.0	41.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.244. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Zacatecas.

Estación	Características máximas registradas de la sequía meteorológica							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I' = S_{máx}/D_{máx}$	% de I'	Intensidad	Duración / máx	% de $I' / máx$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{máx}(mm)$	$D_{máx}(años)$	$I'(mm/año)$	respecto a X_0	$I_{máx}(mm/año)$	$D_{I_{máx}}(años)$	respecto a X_0	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
HA32067	715.5	4.0	178.8	27.0	461.9	1.0	71.0	57.1	14.2	0.0	28.5	0.0	0.0	0.0	0.0	0.0	0.0
HA32068	802.8	5.0	160.5	28.0	206.1	1.0	36.0	40.0	20.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA32069	672.3	7.0	96.0	27.0	101.9	6.0	29.0	33.3	0.0	0.0	0.0	0.0	33.3	33.3	0.0	0.0	0.0
HA32071	681.9	4.0	170.4	42.0	178.8	2.0	44.0	44.4	33.3	0.0	11.1	0.0	11.1	0.0	0.0	0.0	0.0
HA32072	653.8	4.0	163.4	38.0	297.3	1.0	70.0	63.6	27.2	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32073	1689.8	11.0	153.6	34.0	323.3	1.0	72.0	42.8	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32076	389.2	2.0	194.6	59.0	194.6	2.0	59.0	44.4	55.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32078	258.6	2.0	129.3	40.0	157.8	1.0	49.0	55.5	22.2	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32084	425.4	6.0	70.9	19.0	163.2	2.0	44.0	66.6	22.2	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0
HA32085	838.3	4.0	209.5	32.0	271.6	1.0	42.0	50.0	16.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA32087	963.4	6.0	160.5	39.0	190.8	1.0	46.0	44.4	22.2	0.0	22.2	0.0	11.1	0.0	0.0	0.0	0.0
HA32090	350.3	2.0	175.1	41.0	175.1	2.0	41.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32091	564.8	4.0	141.2	46.0	141.2	4.0	46.0	66.6	0.0	0.0	33.3	0.0	0.0	0.0	0.0	0.0	0.0
HA32092	192.1	3.0	64.0	24.0	80.4	1.0	30.0	50.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32093	306.3	2.0	153.1	33.0	209.3	1.0	45.0	66.6	22.2	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32094	211.0	2.0	105.5	31.0	112.3	1.0	33.0	33.3	50.0	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA32096	394.1	3.0	131.3	36.0	131.3	3.0	36.0	25.0	50.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32098	348.4	2.0	174.2	37.0	174.2	2.0	37.0	0.0	40.0	40.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
HA32099	639.2	5.0	127.8	36.0	165.9	3.0	47.0	50.0	0.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0
HA32103	532.3	3.0	177.4	35.0	177.4	3.0	35.0	42.8	28.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32104	816.7	5.0	163.3	26.0	163.3	5.0	26.0	0.0	75.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA32107	499.7	4.0	124.9	36.0	124.9	4.0	36.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA32108	562.3	4.0	140.5	30.0	140.5	4.0	30.0	57.1	28.5	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0
HA32112	593.7	3.0	197.9	26.0	465.5	1.0	62.0	85.7	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32113	727.2	5.0	145.4	23.0	145.4	5.0	23.0	0.0	25.0	25.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0
HA32116	602.3	2.0	301.1	55.0	301.1	2.0	55.0	25.0	50.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
HA32118	622.0	3.0	207.3	49.0	207.3	3.0	49.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32119	698.4	3.0	232.8	55.0	232.8	3.0	55.0	25.0	25.0	25.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32120	703.0	5.0	140.6	38.0	187.6	3.0	50.0	0.0	0.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0
HA32121	681.6	3.0	227.2	57.0	227.2	3.0	57.0	60.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32122	404.5	4.0	101.1	23.0	235.4	1.0	53.0	50.0	33.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0
HA32123	563.1	3.0	187.7	44.0	187.7	3.0	44.0	60.0	0.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32125	521.4	3.0	173.8	26.0	173.8	3.0	26.0	66.6	16.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32129	289.6	2.0	144.8	32.0	204.9	1.0	46.0	60.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0
HA32130	616.6	3.0	205.5	37.0	211.7	1.0	38.0	80.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.244. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada estación climatológica del estado de Zacatecas.

Municipio	Estadísticos de la lluvia promedio municipal						Lámina de lluvia mínima anual de diferentes periodos de retorno (Tr)						Tr(años)	Huvia mínima	Tr(años)
	Media	Mediana	Desv Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	primer	registrada	para
	X _o (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	decil	H _{p min} (mm)	H _{p min}
Apozol	689.2	709.2	173.6	-0.4	5.0	0.25	696.0	567.0	473.0	372.0	228.0	98.0	41.5	166.6	68.7
Apulco	680.6	697.0	186.2	-0.4	4.0	0.27	696.0	548.0	446.0	344.0	204.0	92.0	36.1	166.6	63.1
Atolinga	655.5	677.8	170.1	-0.6	5.0	0.26	659.0	530.0	448.0	369.0	260.0	192.0	85.2	123.6	187.7
Benito Juárez	684.0	718.1	193.2	-0.7	3.9	0.28	704.0	552.0	457.0	367.0	251.0	164.0	69.3	123.6	138.1
Calera	416.8	404.2	130.8	0.1	2.6	0.31	395.0	312.0	264.0	219.0	161.0	118.0	15.2	190.8	31.1
Cañitas de Felipe Pescador	356.2	343.4	96.8	0.0	2.4	0.27	344.0	273.0	238.0	206.0	164.0	134.0	15.4	183.3	33.2
Concepción del Oro	371.8	376.2	134.2	0.5	3.1	0.36	356.0	234.0	203.0	156.0	51.0	0.0	7.3	160.9	18.9
Cuahtémoc	398.2	376.8	130.0	0.3	3.6	0.33	381.0	297.0	246.0	196.0	120.0	75.0	29.3	105.8	67.5
Chalchihuites	547.3	540.3	154.6	0.0	2.9	0.28	543.0	424.0	351.0	282.0	190.0	127.0	13.4	263.5	24.1
Fresnillo	395.0	396.0	100.0	0.3	3.9	0.25	394.0	327.0	284.0	240.0	181.0	133.0	33.8	157.3	70.8
Trinidad García de la Cadena	703.6	726.3	166.8	-1.2	5.0	0.24	746.0	583.0	479.0	383.0	261.0	171.0	26.1	285.2	41.7
Genaro Codina	379.3	372.0	172.2	1.6	8.8	0.45	377.0	255.0	174.0	95.0	0.0	0.0	6.3	144.8	12.9
General Enrique Estrada	416.8	404.2	130.8	0.1	2.6	0.31	395.0	312.0	264.0	219.0	161.0	118.0	15.2	190.8	31.1
General Francisco R. Murguía	351.2	339.3	112.8	0.2	2.8	0.32	345.0	261.0	207.0	157.0	92.0	43.0	14.6	138.1	26.0
Plateado de Joaquín Amaro, El	491.4	520.0	137.4	-0.7	3.9	0.28	506.0	390.0	317.0	248.0	159.0	93.0	46.8	104.6	88.1
General Pánfilo Natera	390.2	392.9	156.5	0.5	3.5	0.40	382.0	251.0	160.0	67.0	0.0	0.0	9.6	95.5	16.2
Guadalupe	383.7	382.9	165.4	0.3	2.7	0.43	376.0	251.0	173.0	99.0	5.0	0.0	11.6	95.5	20.8
Huanusco	570.4	571.5	168.5	-0.6	4.0	0.30	597.0	453.0	354.0	255.0	120.0	21.0	37.0	84.8	64.9
Jalpa	642.8	671.7	189.6	-0.3	2.9	0.29	640.0	472.0	364.0	261.0	127.0	27.0	13.7	244.3	22.3
Jerez	402.3	409.5	149.8	0.3	3.3	0.37	393.0	297.0	214.0	107.0	0.0	0.0	10.3	146.5	15.4
Jiménez del Teul	473.1	450.6	135.7	0.5	3.4	0.29	458.0	360.0	300.0	240.0	161.0	99.0	14.5	207.6	29.3
Juan Aldama	388.1	366.8	126.2	-0.1	3.5	0.33	372.0	285.0	234.0	188.0	120.0	83.0	63.8	56.0	152.7
Juchipila	689.2	709.2	173.6	-0.4	5.0	0.25	696.0	567.0	473.0	372.0	228.0	98.0	41.5	166.6	68.7
Loreto	401.5	401.3	154.9	0.9	7.3	0.39	419.0	312.0	241.0	173.0	89.0	20.0	24.2	66.0	61.3
Luis Moya	417.1	416.9	135.5	0.2	3.5	0.32	407.0	311.0	251.0	194.0	120.0	64.0	24.8	116.0	52.3
Mazapil	329.2	314.0	137.5	2.0	11.2	0.42	328.0	254.0	195.0	117.0	0.0	0.0	7.3	146.0	16.0
Melchor Ocampo	349.4	345.5	114.3	1.4	7.0	0.33	345.0	265.0	213.0	163.0	98.0	48.0	5.4	206.2	11.0
Mezquital del Oro	703.6	726.3	166.8	-1.2	5.0	0.24	746.0	583.0	479.0	383.0	261.0	171.0	26.1	285.2	41.7
Miguel Auza	439.9	418.7	119.0	0.7	3.7	0.27	420.0	349.0	303.0	256.0	187.0	127.0	9.4	257.3	19.6
Momax	491.4	520.0	137.4	-0.7	3.9	0.28	506.0	390.0	317.0	248.0	159.0	93.0	46.8	104.6	88.1

Tabla C.245. Características estadísticas de la lluvia anual de cada municipio del estado de Zacatecas.

Municipio	Estadísticos de la lluvia promedio municipal						Lámmina de lluvia mínima anual de diferentes períodos de retorno (Tr)								
	Media	Mediana	Desv/Std	Coeficientes			2 años	5 años	10 años	20 años	50 años	100 años	Tr(años)	lluvia mínima	Tr(años)
	X _p (mm)	(mm)	S(mm)	g	k	Cv	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	H _p (mm)	primer	registrada	para
Monte Escobedo	658.2	613.8	186.3	0.0	3.2	0.28	602.0	535.0	493.0	391.0	239.0	125.0	37.4	207.3	60.7
Morelos	416.8	404.2	130.8	0.1	2.6	0.31	395.0	312.0	264.0	219.0	161.0	118.0	15.2	190.8	31.1
Moyahua de Estrada	657.9	666.2	157.9	-1.3	5.6	0.24	685.0	550.0	460.0	375.0	264.0	181.0	53.6	184.6	96.8
Nochistlán de Mejía	642.8	671.7	189.6	-0.3	2.9	0.29	640.0	472.0	364.0	261.0	127.0	27.0	13.7	244.3	22.3
Noria de Ángeles	401.5	401.3	154.9	0.9	7.3	0.39	419.0	312.0	241.0	173.0	85.0	20.0	24.2	66.0	61.3
Ojocaliente	390.2	392.9	156.5	0.5	3.5	0.40	382.0	251.0	160.0	67.0	0.0	0.0	9.6	95.5	16.2
Pánuco	408.4	386.9	144.6	0.3	2.9	0.35	385.0	295.0	243.0	194.0	130.0	83.0	23.4	124.3	54.6
Pinos	465.6	446.6	148.7	0.8	4.3	0.32	435.0	336.0	256.0	156.0	0.0	0.0	9.0	207.0	14.3
Río Grande	365.1	353.2	109.5	0.2	2.7	0.30	355.0	267.0	221.0	176.0	113.0	61.0	11.7	169.0	22.3
Sain Alto	466.9	449.0	107.4	0.1	3.1	0.23	448.0	386.0	349.0	312.0	257.0	208.0	47.9	213.0	93.7
Salvador, El	335.0	301.4	157.7	1.6	6.9	0.47	299.0	217.0	160.0	97.0	0.0	0.0	6.5	119.5	15.8
Sombretete	439.9	418.7	119.0	0.7	3.7	0.27	420.0	349.0	303.0	256.0	187.0	127.0	9.4	257.3	19.6
Susticacán	542.5	541.0	186.0	0.7	5.4	0.34	543.0	407.0	312.0	211.0	61.0	0.0	11.2	199.0	21.7
Tabasco	570.4	571.5	168.5	-0.6	4.0	0.30	597.0	453.0	354.0	255.0	123.0	21.0	37.0	84.8	64.9
Tepechtlán	684.0	718.1	193.2	-0.7	3.9	0.28	704.0	552.0	457.0	367.0	251.0	164.0	69.3	123.6	138.1
Tepetongo	520.5	512.0	246.2	0.8	4.5	0.47	486.0	356.0	271.0	189.0	79.0	0.0	22.5	69.4	54.1
Teul de González Ortega	657.9	666.2	157.9	-1.3	5.6	0.24	685.0	550.0	460.0	375.0	264.0	181.0	53.6	184.6	96.8
Tlaltenango de Sánchez Román	663.4	701.0	169.0	-1.1	5.6	0.25	539.0	389.6	290.6	195.7	72.9	0.0	20.9	103.6	39.7
Trancoso	383.7	382.9	165.4	0.3	2.7	0.43	376.0	251.0	173.0	99.0	5.0	0.0	11.6	95.5	20.8
Valparaiso	505.6	477.1	136.5	0.5	3.0	0.27	475.0	394.0	347.0	301.0	239.0	190.0	16.8	257.0	38.5
Velagrande	410.0	370.6	181.7	1.2	5.9	0.44	369.0	270.0	195.0	104.0	0.0	0.0	8.9	121.7	17.8
Villa de Cos	368.7	317.5	169.6	1.5	5.7	0.46	308.0	248.0	206.0	155.0	43.0	0.0	5.9	161.5	18.5
Villa García	415.2	417.8	141.9	-0.1	3.8	0.34	425.0	304.0	225.0	150.0	51.0	0.0	16.2	106.0	30.0
Villa González Ortega	362.1	356.6	112.1	-0.1	3.4	0.31	352.0	269.0	227.0	181.0	108.0	46.0	40.8	73.3	74.1
Villa Hidalgo	337.5	338.9	103.9	-0.3	4.2	0.31	339.0	260.0	210.0	163.0	102.0	56.0	51.2	51.0	108.3
Villanueva	475.4	483.4	134.7	-0.6	3.8	0.28	481.0	376.0	311.0	250.0	171.0	112.0	40.3	130.1	80.8
Zacatecas	421.7	405.1	153.1	1.6	7.8	0.36	401.0	317.0	252.0	170.0	6.0	0.0	8.3	190.5	17.2
Estatad	448.0	440.5	91.8	-0.2	3.6	0.20	444.0	382.0	342.0	303.0	249.0	206.0	50.1	208.3	97.2

Tabla C.245. Características estadísticas de la lluvia anual de cada municipio del estado de Zacatecas.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Apozol	254.7	342.9	431.0	519.1	507.3	695.4	783.5	871.6	959.8	1047.9	2.6	0.0	5.2	5.2	10.5	23.6	28.9	13.1	2.6	7.8
Apulco	254.7	342.9	431.0	519.1	607.3	695.4	783.5	871.6	959.8	1047.9	2.6	2.6	2.6	10.5	13.1	15.7	23.6	18.4	2.6	7.8
Atolinga	209.6	295.6	381.6	467.6	553.6	639.6	725.6	811.6	897.6	983.6	2.6	0.0	2.6	5.2	10.5	18.4	31.5	13.1	5.2	10.5
Benito Juárez	209.6	295.6	381.6	467.6	553.6	639.6	725.6	811.6	897.6	983.6	2.6	0.0	2.6	7.8	10.5	13.1	18.4	18.4	13.1	13.1
Calera	236.2	281.7	327.1	372.6	418.0	463.4	508.9	554.3	599.8	645.2	10.5	2.6	13.1	5.2	28.9	7.8	2.6	10.5	7.8	10.5
Cañitas de Felipe Pescador	217.9	252.4	287.0	321.5	356.1	390.6	425.2	459.7	494.3	528.8	6.8	13.7	3.4	17.2	13.7	6.8	10.3	3.4	17.2	6.8
Concepción del Oro	218.3	275.7	333.1	390.5	447.9	505.2	562.6	620.0	677.4	734.8	7.8	28.9	7.8	10.5	7.8	21.0	10.5	2.6	0.0	2.6
Cuauhtémoc	168.3	230.8	293.4	355.9	418.4	480.9	543.4	606.0	668.5	731.0	2.6	2.6	10.5	28.9	15.7	13.1	10.5	10.5	2.6	2.6
Chalchihuites	321.5	379.4	437.4	495.3	553.3	611.2	669.2	727.1	785.1	843.0	8.5	5.7	8.5	14.2	14.2	17.1	11.4	5.7	5.7	8.5
Fresnillo	206.7	256.2	305.6	355.0	404.5	453.9	503.3	552.7	602.2	651.6	2.6	2.6	15.7	13.1	18.4	28.9	2.6	7.8	5.2	2.6
Trinidad García de la Cadena	347.5	409.9	472.2	534.5	596.9	659.2	721.5	783.8	846.2	908.5	9.5	0.0	0.0	0.0	9.5	9.5	19.0	9.5	28.5	14.2
Genaro Codina	227.2	309.5	391.9	474.2	556.6	638.9	721.3	803.6	886.0	968.3	16.6	16.6	25.0	16.6	20.8	0.0	0.0	0.0	0.0	4.1
General Enrique Estrada	236.2	281.7	327.1	372.6	418.0	463.4	508.9	554.3	599.8	645.2	10.5	2.6	13.1	5.2	28.9	7.8	2.6	10.5	7.8	10.5
General Francisco R. Murguía	179.6	221.2	252.7	304.3	345.8	387.3	428.9	470.4	512.0	553.5	5.2	7.8	2.6	21.0	15.7	15.7	7.8	5.2	7.8	10.5
Plateado de Joaquín Amaro, El	165.3	226.0	286.7	347.4	408.2	468.9	529.6	590.3	651.0	711.7	2.6	2.6	2.6	7.8	5.2	18.4	13.1	23.6	10.5	13.1
General Pánfilo Natera	165.9	236.2	306.6	376.9	447.3	517.7	588.0	658.4	728.7	799.1	2.7	10.8	24.6	8.1	24.3	16.2	5.4	5.4	2.7	2.7
Guadalupe	156.5	217.4	278.4	339.4	400.4	461.3	522.3	583.3	644.2	705.2	8.1	8.1	16.2	10.8	8.1	21.6	8.1	5.4	5.4	8.1
Huanusco	167.0	249.2	331.4	413.6	495.8	577.9	660.1	742.3	824.5	906.7	2.6	0.0	5.2	10.5	10.5	23.6	15.7	18.4	10.5	2.6
Jalpa	316.6	388.8	461.1	533.4	605.7	677.9	750.2	822.5	894.7	967.0	5.2	2.6	13.1	2.6	13.1	13.1	28.9	5.2	5.2	10.5
Jerez	209.4	272.3	335.3	398.2	461.1	524.0	586.9	649.9	712.8	775.7	13.3	3.3	23.3	10.0	16.6	13.3	10.0	6.6	0.0	3.3
Jiménez del Teul	267.5	327.5	387.4	447.3	507.3	567.2	627.1	687.0	747.0	806.9	2.7	5.5	25.0	16.6	13.8	11.1	11.1	5.5	2.7	5.5
Juan Aldama	112.1	168.1	224.2	280.2	336.3	392.4	448.4	504.5	560.5	616.6	2.7	0.0	5.5	5.5	19.4	25.0	8.3	11.1	13.8	8.3
Juchipila	254.7	342.9	431.0	519.1	607.3	695.4	783.5	871.6	959.8	1047.9	2.6	0.0	5.2	5.2	10.5	23.6	28.9	13.1	2.6	7.8
Loreto	154.9	243.7	332.6	421.4	510.3	599.2	688.0	776.9	865.7	954.6	5.5	5.5	22.2	25.0	22.2	16.6	0.0	0.0	0.0	2.7
Luis Moya	176.2	236.4	296.6	356.8	417.0	477.2	537.4	597.6	657.8	718.0	5.2	0.0	15.7	10.5	18.4	23.6	10.5	2.6	7.8	5.2
Mazapil	222.6	299.1	375.7	452.2	528.8	605.4	681.9	758.5	835.0	911.6	23.6	21.0	23.6	18.4	10.5	0.0	0.0	0.0	0.0	2.6
Melchor Ocampo	259.1	312.1	365.0	417.9	470.9	523.8	576.7	629.6	682.6	735.5	27.5	13.7	20.6	24.1	3.4	3.4	3.4	0.0	0.0	3.4
Mezquital del Oro	347.5	409.9	472.2	534.5	596.9	659.2	721.5	783.8	846.2	908.5	9.5	0.0	0.0	0.0	9.5	9.5	19.0	9.5	28.5	14.2
Miguel Auza	307.2	357.1	407.0	456.9	506.8	556.7	606.6	656.5	706.4	756.3	13.7	13.7	17.2	13.7	17.2	3.4	10.3	6.8	0.0	3.4
Momax	165.3	226.0	286.7	347.4	408.2	468.9	529.6	590.3	651.0	711.7	2.6	2.6	2.6	7.8	5.2	18.4	13.1	23.6	10.5	13.1

Tabla C.246. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Zacatecas.

Municipio	Deciles de la lluvia promedio municipal										Probabilidad		de ocurrencia de los deciles de lluvia promedio municipal									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10		
	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	Hp(mm)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)		
Monte Escobedo	287.0	366.7	446.5	526.2	605.9	685.6	765.3	845.1	924.8	1004.5	2.7	5.5	0.0	8.3	33.3	5.5	13.8	8.3	13.8	8.3		
Morelos	236.2	281.7	327.1	372.6	418.0	463.4	508.9	554.3	599.8	645.2	10.5	2.6	13.1	5.2	28.9	7.8	2.6	10.5	7.8	10.5		
Moyahua de Estrada	255.4	326.3	397.1	467.9	538.8	609.6	680.4	751.2	822.1	892.9	5.2	0.0	2.6	2.6	5.2	10.5	28.9	10.5	23.6	10.5		
Nochistlán de Mejía	316.6	388.8	461.1	533.4	605.7	677.9	750.2	822.5	894.7	967.0	5.2	2.6	13.1	2.6	13.1	13.1	28.9	5.2	5.2	10.5		
Noria de Ángeles	154.9	243.7	332.6	421.4	510.3	599.2	688.0	776.9	865.7	954.6	5.5	5.5	22.2	25.0	22.2	16.6	0.0	0.0	0.0	2.7		
Ojocaliente	165.9	236.2	306.6	376.9	447.3	517.7	588.0	658.4	728.7	799.1	2.7	10.8	21.6	8.1	24.3	16.2	5.4	5.4	2.7	2.7		
Pánuco	182.9	241.5	300.0	358.6	417.2	475.8	534.4	592.9	651.5	710.1	5.2	5.2	7.8	26.3	15.7	10.5	5.2	10.5	5.2	7.8		
Pinos	269.9	332.9	395.8	458.7	521.7	584.6	647.5	710.4	773.4	836.3	4.1	12.5	12.5	20.8	25.0	4.1	8.3	0.0	8.3	4.1		
Río Grande	211.4	253.7	296.1	338.4	380.8	423.1	465.5	507.8	550.2	592.5	8.3	11.1	8.3	16.6	8.3	22.2	0.0	19.4	0.0	5.5		
Sain Alto	259.3	305.6	351.8	398.1	444.4	490.7	537.0	583.2	629.5	675.8	2.6	2.6	7.8	13.1	21.0	13.1	13.1	7.8	10.5	7.8		
Salvador, El	196.0	272.5	348.9	425.4	501.9	578.4	654.9	731.3	807.8	884.3	13.1	23.6	28.9	13.1	10.5	2.6	2.6	2.6	0.0	2.6		
Sombretete	307.2	357.1	407.0	456.9	506.8	556.7	606.6	656.5	706.4	756.3	13.7	13.7	17.2	13.7	17.2	3.4	10.3	6.8	0.0	3.4		
Susticacán	295.1	391.1	487.2	583.2	679.3	775.3	871.3	967.4	1063.5	1159.5	10.5	7.8	23.6	15.7	26.3	7.8	5.2	0.0	0.0	2.6		
Tabasco	167.0	249.2	331.4	413.6	495.8	577.9	660.1	742.3	824.5	906.7	2.6	0.0	5.2	10.5	10.5	23.6	15.7	18.4	10.5	2.6		
Tepechitlán	209.6	295.6	381.6	467.6	553.6	639.6	725.6	811.6	897.6	983.6	2.6	0.0	2.6	7.8	10.5	13.1	18.4	18.4	13.1	13.1		
Tepetongo	175.2	280.9	386.7	492.4	598.2	704.0	809.7	915.5	1021.2	1127.0	6.6	6.6	13.3	20.0	30.0	6.6	0.0	10.0	0.0	6.6		
Teul de González Ortega	255.4	326.3	397.1	467.9	538.8	609.6	680.4	751.2	822.1	892.9	5.2	0.0	2.6	2.6	5.2	10.5	28.9	10.5	23.6	10.5		
Tlaltenango de Sánchez Román	189.6	275.6	361.6	447.6	533.6	619.6	705.6	791.6	877.6	963.6	2.6	0.0	2.6	5.2	10.5	7.8	23.6	28.9	13.1	5.2		
Trancoso	156.5	217.4	278.4	339.4	400.4	461.3	522.3	583.3	644.2	705.2	8.1	8.1	16.2	10.8	8.1	21.6	8.1	5.4	5.4	8.1		
Valparaiso	312.2	367.4	422.6	477.8	533.0	588.2	643.4	698.6	753.8	809.0	5.2	7.8	15.7	21.0	13.1	7.8	7.8	13.1	2.6	5.2		
Vetagrande	208.5	295.4	382.2	469.0	555.9	642.7	729.5	816.3	903.2	990.0	7.8	7.8	34.2	23.6	7.8	10.5	2.6	0.0	2.6	2.6		
Villa de Cos	238.0	314.5	390.9	467.4	543.9	620.4	696.9	773.3	849.8	926.3	10.8	37.8	21.6	5.4	10.8	5.4	0.0	5.4	0.0	2.7		
Villa García	172.4	238.7	305.1	371.5	437.9	504.2	570.6	637.0	703.3	769.7	5.4	5.4	8.1	10.8	29.7	13.5	16.2	5.4	2.7	2.7		
Villa González Ortega	125.2	177.0	228.9	280.7	332.6	384.4	436.3	488.1	540.0	591.8	2.6	2.6	2.6	15.7	23.6	7.8	21.0	10.5	7.8	5.2		
Villa Hidalgo	100.1	149.3	198.4	247.6	296.7	345.8	395.0	444.1	493.3	542.4	3.1	0.0	3.1	9.3	21.8	15.6	15.6	15.6	9.3	6.2		
Villanueva	189.3	248.6	307.8	367.0	426.3	485.5	544.7	603.9	663.2	722.4	5.2	2.6	2.6	2.6	15.7	21.0	21.0	7.8	15.7	5.2		
Zacatecas	270.5	350.4	430.4	510.3	590.3	670.2	750.2	830.1	910.1	990.0	15.7	10.5	34.2	21.0	10.5	2.6	0.0	2.6	0.0	2.6		
Estatad	249.2	290.1	330.9	371.8	412.7	453.6	494.5	535.3	576.2	617.1	2.6	2.6	5.2	7.8	15.7	21.0	18.4	10.5	2.6	13.1		

Tabla C.246. Deciles y probabilidad de ocurrencia de la lluvia anual de cada municipio del estado de Zacatecas.

Municipio	Características promedio de la sequía meteorológica municipal								Luvia disponible Hp disp S(mm)	Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _o			
Apozol	4.1	1.7	1.7	0.7	237.7	158.4	139.8	20.0	549.4	5.7	SEVERA
Apulco	4.1	1.6	1.7	0.8	269.1	185.8	158.2	23.0	522.3	6.0	VASTA
Atolinga	5.8	2.4	2.5	1.7	339.0	266.3	135.6	20.0	519.8	5.4	MUY SEVERA
Benito Juárez	6.1	4.4	2.1	2.0	417.3	433.8	198.9	29.0	485.1	8.1	MUY VASTA
Calera	4.8	2.3	2.8	1.7	247.4	165.0	88.3	21.0	328.5	4.0	MUY VASTA
Cañitas de Felipe Pescador	3.2	1.3	1.7	0.9	131.2	56.6	77.1	21.0	279.0	4.5	VASTA
Concepción del Oro	4.1	2.0	1.9	0.9	215.0	125.5	113.1	30.0	258.7	3.0	VASTA
Cuauhtémoc	5.9	3.4	3.0	1.8	277.4	217.1	92.4	23.0	305.7	4.5	EXTREM. VASTA
Chalchihuites	5.1	4.1	2.5	3.4	305.8	420.2	122.3	22.0	425.0	5.0	MUY VASTA
Fresnillo	3.7	1.8	1.8	0.7	147.0	71.9	81.6	20.0	313.4	6.2	SEVERA
Trinidad García de la Cadena	3.2	1.4	1.3	0.7	221.4	191.5	170.3	24.0	533.2	6.9	VASTA
Genaro Codina	5.5	4.3	2.3	1.4	290.9	169.9	126.4	33.0	252.9	5.1	MUY CRITICA
General Enrique Estrada	4.8	2.3	2.8	1.7	247.4	165.0	88.3	21.0	328.5	4.0	MUY VASTA
General Francisco R. Murguía	3.8	2.6	2.0	1.4	170.5	94.9	85.3	24.0	265.9	4.7	MUY VASTA
Plateado de Joaquín Amaro, El	5.1	2.4	2.1	1.6	254.4	275.7	121.1	24.0	370.3	6.0	MUY VASTA
General Pánfilo Natera	7.2	3.8	2.9	2.5	378.0	363.1	130.3	33.0	259.8	4.7	MUY CRITICA
Guadalupe	5.6	3.2	2.7	2.4	355.9	419.2	131.8	34.0	251.8	4.9	MUY CRITICA
Huanusco	3.4	1.2	1.7	0.9	226.3	243.2	133.1	23.0	437.3	5.6	VASTA
Jalpa	5.8	2.5	2.2	1.0	406.1	237.4	184.5	28.0	458.2	5.5	MUY VASTA
Jerez	3.8	1.9	1.8	1.6	233.0	234.0	129.4	32.0	272.8	6.6	CRITICA
Jiménez del Teul	4.3	2.3	2.2	1.6	216.9	180.2	98.5	20.0	374.5	4.3	MUY SEVERA
Juan Aldama	3.5	0.9	1.9	0.8	179.5	102.0	94.4	24.0	293.7	4.5	VASTA
Juchipila	4.1	1.7	1.7	0.7	237.7	158.4	139.8	20.0	549.4	5.7	SEVERA
Loreto	3.1	1.2	1.4	0.8	166.0	172.0	118.5	29.0	283.0	6.6	VASTA
Luis Moya	3.2	1.7	1.5	0.7	162.0	156.2	108.0	25.0	309.1	5.1	VASTA
Mazapil	3.2	1.4	1.9	1.1	167.2	155.3	88.0	26.0	241.2	5.9	VASTA
Melchor Ocampo	2.7	0.6	1.8	1.6	151.3	149.7	84.0	24.0	265.3	5.0	VASTA
Mezquital del Oro	3.2	1.4	1.3	0.7	221.4	191.5	170.3	24.0	533.2	6.9	VASTA
Miguel Auza	3.1	0.9	1.7	1.0	136.9	93.6	80.5	18.0	359.4	4.3	SEVERA
Momax	5.1	2.4	2.1	1.6	254.4	275.7	121.1	24.0	370.3	6.0	MUY VASTA

Tabla C.247. Características de la sequía promedio de cada municipio del estado de Zacatecas.

Municipio	Características promedio de la sequía meteorológica municipal								X _s	Tr(años) para Hp disp S(mm)	Tipo de sequía Meteorológica
	Periodicidad	DesvStd PerS	Duración	DesvStd DS	Severidad	DesvStd SS	Intensidad	% de IS			
	PerS(años)	(años)	DS(años)	(años)	SS(mm)	(mm)	IS(mm/año)	respecto a X _s			
Monte Escobedo	4.2	2.0	2.1	1.4	306.1	228.5	145.7	22.0	512.4	7.8	MUY VASTA
Morelos	4.8	2.3	2.8	1.7	247.4	165.0	88.3	21.0	328.5	4.0	MUY VASTA
Moyahua de Estrada	4.2	1.9	2.1	1.7	267.0	232.2	127.1	19.0	530.7	5.8	MUY SEVERA
Nochistlán de Mejía	5.8	2.5	2.2	1.0	406.1	237.4	184.5	28.0	458.2	5.5	MUY VASTA
Noria de Ángeles	3.1	1.2	1.4	0.8	166.0	172.0	118.5	29.0	283.0	6.6	VASTA
Ojocaliente	7.2	3.8	2.9	2.5	378.0	363.1	130.3	33.0	259.8	4.7	MUY CRITICA
Pánuco	4.2	2.2	2.4	1.7	243.7	201.2	101.5	24.0	306.8	4.3	MUY VASTA
Pinos	3.8	0.8	1.7	0.6	190.2	98.1	111.8	24.0	353.7	4.2	VASTA
Río Grande	3.3	1.1	1.7	0.7	147.9	77.8	87.0	23.0	278.1	4.3	VASTA
Sain Alto	3.6	1.4	2.0	0.7	149.1	71.2	74.5	15.0	392.3	4.4	MUY SEVERA
Salvador, El	4.1	2.3	2.5	1.7	212.1	125.5	84.8	25.0	250.2	3.4	MUY VASTA
Sombrerete	3.1	0.9	1.7	1.0	136.9	93.6	80.5	18.0	359.4	4.3	SEVERA
Susticacán	4.0	2.0	2.1	1.9	294.4	384.3	140.1	25.0	402.4	5.2	MUY VASTA
Tabasco	3.4	1.2	1.7	0.9	226.3	243.2	133.1	23.0	437.3	5.6	VASTA
Tepechitlán	6.1	4.4	2.1	2.0	417.8	433.8	198.9	29.0	485.1	8.1	MUY VASTA
Tepetongo	7.2	4.1	3.2	3.9	516.1	713.6	161.2	30.0	359.3	4.9	EXTREM. VASTA
Teul de González Ortega	4.2	1.9	2.1	1.7	267.0	232.2	127.1	19.0	530.7	5.8	MUY SEVERA
Tlaltenango de Sánchez Román	4.6	2.0	1.7	1.0	264.9	241.3	155.8	23.0	507.6	2.4	VASTA
Trancoso	5.6	3.2	2.7	2.4	355.9	419.2	131.8	34.0	251.8	4.9	MUY CRITICA
Valparaíso	4.6	3.0	3.1	3.0	301.0	360.5	97.0	19.0	408.6	4.1	EXTREM. SEVERA
Vetagrande	5.2	2.7	3.0	2.0	314.5	267.1	104.8	25.0	305.2	3.5	EXTREM. VASTA
Villa de Cos	5.1	4.0	3.7	3.3	340.9	324.4	92.1	24.0	276.5	3.1	EXTREM. VASTA
Villa García	3.2	1.2	1.6	0.8	176.2	180.9	110.1	26.0	305.1	5.0	VASTA
Villa González Ortega	3.8	1.7	1.9	1.0	174.8	141.2	92.0	25.0	270.0	4.9	VASTA
Villa Hidalgo	3.6	1.7	1.7	1.2	140.8	116.2	82.8	24.0	254.6	5.4	VASTA
Villanueva	6.0	3.7	2.7	3.0	284.7	382.3	105.4	22.0	369.9	5.3	MUY VASTA
Zacatecas	4.8	1.8	2.7	1.3	246.7	135.0	91.3	21.0	330.3	4.3	MUY VASTA
Estatad	3.6	2.1	1.8	1.1	121.6	132.5	67.5	15.0	380.4	5.1	SEVERA

Tabla C.247. Características de la sequía promedio de cada municipio del estado de Zacatecas.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	I ^m =S _{máx} /D _{máx}	% de I ^m	Intensidad	Duración I ^m	% de I ^m	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	S _{máx} (mm)	D _{máx} (años)	I ^m (mm/año)	respecto a X _s	I ^m (mm/año)	D _{máx} (años)	respecto a X _s	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Apozol	522.6	1.0	522.6	75.0	522.6	1.0	75.0	50.0	30.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apulco	675.6	4.0	168.9	24.0	513.9	1.0	75.0	50.0	40.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Atolinga	849.5	6.0	141.5	21.0	531.8	1.0	81.0	42.8	14.2	14.2	14.2	0.0	14.2	0.0	0.0	0.0	0.0
Benito Juárez	1402.5	7.0	200.3	29.0	560.4	1.0	81.0	57.1	28.5	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.0
Calera	581.8	6.0	96.9	23.0	224.9	1.0	53.0	37.5	12.5	0.0	37.5	0.0	12.5	0.0	0.0	0.0	0.0
Cañitas F. P.	233.7	2.0	116.8	32.0	172.8	1.0	48.0	44.4	44.4	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Concepción Oro	477.4	4.0	119.3	32.0	165.5	2.0	44.0	40.0	40.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Cuauhtémoc	700.1	6.0	116.6	29.0	292.3	1.0	73.0	28.5	28.5	0.0	14.2	14.2	14.2	0.0	0.0	0.0	0.0
Chalchihuites	1311.2	11.0	119.2	21.0	278.3	1.0	50.0	71.4	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fresnillo	282.5	2.0	141.2	35.0	141.2	2.0	35.0	30.0	50.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Trinidad G. C.	544.8	3.0	181.6	25.0	418.3	1.0	59.0	83.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Genaro Codina	574.2	3.0	191.4	50.0	191.4	3.0	50.0	40.0	20.0	20.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0
Gral Enrique E.	581.8	6.0	96.9	23.0	224.9	1.0	53.0	37.5	12.5	0.0	37.5	0.0	12.5	0.0	0.0	0.0	0.0
Gral Fco R. M.	299.4	6.0	49.9	14.0	207.6	1.0	59.0	40.0	50.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
Plateado, El	913.9	6.0	152.3	30.0	386.8	1.0	78.0	50.0	25.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Gral P Natera	1152.8	8.0	144.1	36.0	294.6	1.0	75.0	50.0	0.0	16.6	16.6	0.0	0.0	0.0	16.6	0.0	0.0
Guadalupe	1319.6	8.0	164.9	42.0	288.1	1.0	75.0	57.1	0.0	14.2	14.2	0.0	0.0	0.0	14.2	0.0	0.0
Huanusco	809.5	4.0	202.3	35.0	485.6	1.0	85.0	54.5	27.2	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
Jalpa	769.9	4.0	192.4	29.0	375.2	1.0	58.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Jerez	822.2	6.0	137.0	34.0	251.3	1.0	62.0	62.5	25.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Jiménez Teul	679.4	4.0	169.8	35.0	204.0	1.0	43.0	55.5	11.1	11.1	11.1	0.0	11.1	0.0	0.0	0.0	0.0
Juan Aldama	356.5	2.0	178.2	45.0	178.2	2.0	45.0	30.0	50.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Juchipila	522.6	1.0	522.6	75.0	522.6	1.0	75.0	50.0	30.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Loreto	625.1	4.0	156.2	38.0	177.8	2.0	44.0	66.6	25.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0
Luis Moya	572.3	3.0	190.7	45.0	190.7	3.0	45.0	58.3	25.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mazapil	569.0	5.0	113.8	34.0	173.2	2.0	52.0	45.4	36.3	9.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
Melchor Ocampo	505.3	6.0	84.2	24.0	137.1	1.0	39.0	62.5	25.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0
Mezquital Oro	544.8	3.0	181.6	25.0	418.3	1.0	59.0	83.3	0.0	16.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Miguel Auza	314.4	4.0	78.6	17.0	139.7	1.0	31.0	60.0	20.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Momax	913.9	6.0	152.3	30.0	386.8	1.0	78.0	50.0	25.0	12.5	0.0	0.0	12.5	0.0	0.0	0.0	0.0

Tabla C.248. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Zacatecas.

Municipio	Características máximas de la sequía meteorológica municipal							Probabilidad de ocurrencia de la sequía meteorológica para diferentes duraciones									
	Severidad	Duración	$I^* = S_{m\acute{a}x}/D_{m\acute{a}x}$	% de I^*	Intensidad	Duración / $m\acute{a}x$	% de $I_{m\acute{a}x}$	1 año	2 años	3 años	4 años	5 años	6 años	7 años	8 años	9 años	10 años
	$S_{m\acute{a}x}(mm)$	$D_{m\acute{a}x}(a\acute{o}s)$	$I^*(mm/a\acute{o})$	respecto a X_0	$I_{m\acute{a}x}(mm/a\acute{o})$	$D_{m\acute{a}x}(a\acute{o}s)$	respecto a X_0	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Monte Escob	827.0	5.0	165.4	25.0	450.8	1.0	68.0	55.5	11.1	11.1	11.1	11.1	0.0	0.0	0.0	0.0	0.0
Morelos	581.8	6.0	96.9	23.0	224.9	1.0	53.0	37.5	12.5	0.0	37.5	0.0	12.5	0.0	0.0	0.0	0.0
Moyahua	760.9	4.0	190.2	28.0	473.2	1.0	71.0	62.5	12.5	0.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0
Nochistlán	769.9	4.0	192.4	29.0	376.2	1.0	58.0	28.5	28.5	28.5	14.2	0.0	0.0	0.0	0.0	0.0	0.0
Noria de Á.	625.1	4.0	156.2	38.0	177.8	2.0	44.0	66.6	25.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0
Ojocaliente	1152.8	8.0	144.1	36.0	294.6	1.0	75.0	50.0	0.0	16.6	16.6	0.0	0.0	0.0	16.6	0.0	0.0
Pánuco	737.7	6.0	122.9	30.0	284.0	1.0	69.0	44.4	22.2	0.0	22.2	0.0	11.1	0.0	0.0	0.0	0.0
Pinos	311.7	2.0	155.8	33.0	155.8	2.0	33.0	42.8	42.8	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Río Grande	333.8	3.0	111.3	30.0	181.8	1.0	49.0	45.4	36.3	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sain Alto	271.7	2.0	135.8	29.0	162.8	1.0	34.0	27.2	45.4	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salvador, El	481.9	5.0	96.3	28.0	193.9	1.0	57.0	40.0	30.0	0.0	10.0	10.0	10.0	0.0	0.0	0.0	0.0
Sombrerete	314.4	4.0	78.6	17.0	139.7	1.0	31.0	60.0	20.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Susticacán	1236.6	7.0	176.6	32.0	245.5	1.0	45.0	66.6	11.1	0.0	11.1	0.0	0.0	11.1	0.0	0.0	0.0
Tabasco	809.5	4.0	202.3	35.0	485.6	1.0	85.0	54.5	27.2	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
Tepechtlán	1402.5	7.0	203.3	29.0	560.4	1.0	81.0	57.1	28.5	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.0
Tepetongo	1913.7	11.0	173.9	33.0	371.5	1.0	71.0	60.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Teul	760.9	4.0	190.2	28.0	473.2	1.0	71.0	62.5	12.5	0.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0
Tlaltenango	780.7	4.0	195.1	29.0	559.7	1.0	84.0	55.5	22.2	11.1	11.1	0.0	0.0	0.0	0.0	0.0	0.0
Trancoso	1319.6	8.0	164.9	42.0	288.1	1.0	75.0	57.1	0.0	14.2	14.2	0.0	0.0	0.0	14.2	0.0	0.0
Valparaíso	1135.8	10.0	113.5	22.0	125.8	2.0	24.0	42.8	28.5	0.0	0.0	14.2	0.0	0.0	0.0	0.0	14.2
Vetagrande	965.0	6.0	160.8	39.0	191.1	1.0	46.0	37.5	12.5	12.5	12.5	0.0	25.0	0.0	0.0	0.0	0.0
Villa de Cos	1095.6	11.0	99.6	27.0	147.4	2.0	39.0	28.5	28.5	14.2	0.0	0.0	14.2	0.0	0.0	0.0	0.0
Villa García	649.8	4.0	162.4	39.0	293.2	1.0	70.0	54.5	36.3	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
Villa G. O.	505.6	4.0	126.4	34.0	288.7	1.0	79.0	50.0	20.0	20.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
Villa Hidalgo	385.7	4.0	96.4	28.0	286.4	1.0	84.0	66.6	11.1	0.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0
Villanueva	1186.0	10.0	118.6	24.0	345.2	1.0	72.0	42.8	42.8	0.0	6.0	0.0	0.0	0.0	0.0	0.0	14.2
Zacatecas	435.4	4.0	108.8	25.0	231.1	1.0	54.0	37.5	0.0	12.5	50.0	0.0	0.0	0.0	0.0	0.0	0.0
Estatad	491.2	4.0	122.8	27.0	239.6	1.0	53.0	54.5	27.2	0.0	18.1	0.0	0.0	0.0	0.0	0.0	0.0

Tabla C.248. Características de la sequía máxima y probabilidad de ocurrencia para cada duración de cada municipio del estado de Zacatecas.

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