## APENDICE 7.3.

**Pruebas de homogeneidad de estaciones hidrométricas**

A continuación, se muestran los resultados de las pruebas de homogeneidad para cada estación.

###### Estación 27001 “MARTINEZ DE LA TORRE”

Tabla 7.3.1.B. 1. Prueba de homogeneidad, Helmert. Estación 27001.

| Estación 27001 | | | |
| --- | --- | --- | --- |
| Prueba de homogeneidad | | | |
| Helmert | | | |
| Año | QMI (m3/s) | Signo | Resultado |
| 1952 | 294.38 | + |  |
| 1953 | 136.45 | - | C |
| 1954 | 122.78 | - | S |
| 1955 | 85.11 | - | S |
| 1956 | 160.95 | + | C |
| 1957 | 144.31 | + | S |
| 1958 | 122.24 | - | C |
| 1959 | 185.06 | + | C |
| 1960 | 210.71 | + | S |
| 1961 | 126.24 | - | C |
| 1962 | 152.47 | + | C |
| 1963 | 117.10 | - | C |
| 1964 | 136.58 | - | S |
| 1965 | 125.64 | - | S |
| 1966 | 161.25 | + | C |
| 1967 | 108.04 | - | C |
| 1968 | 101.47 | - | S |
| 1969 | 127.84 | - | S |
| 1970 | 134.22 | - | S |
| 1971 | 127.16 | - | S |
| 1972 | 136.21 | - | S |
| 1973 | 163.84 | + | C |
| 1974 | 123.90 | - | C |
| 1975 | 127.76 | - | S |
| 1976 | 127.02 | - | S |
| 1977 | 120.27 | - | S |
| 1978 | 121.73 | - | S |
| 1979 | 160.30 | + | C |
| 1980 | 136.61 | - | C |
| 1981 | 135.22 | - | S |
| 1982 | 131.00 | - | S |
| 1983 | 105.85 | - | S |
| 1984 | 138.72 | + | C |
| 1985 | 118.79 | - | C |
| 1986 | 122.94 | - | S |
| 1987 | 126.77 | - | S |
| 1988 | 114.01 | - | S |
| 1989 | 89.71 | - | S |
| 1990 | 133.92 | - | S |
| 1991 | 120.23 | - | S |
| 1992 | 150.53 | + | C |
| 1993 | 131.43 | - | C |
| 1994 | 128.66 | - | S |
| 1995 | 109.64 | - | S |
| 1996 | 150.07 | + | C |
| 1997 | 98.62 | - | C |
| 1998 | 194.43 | + | C |
| 1999 | 130.93 | - | C |
| 2000 | 141.87 | + | C |
| 2001 | 152.99 | + | S |
| 2002 | 172.08 | + | S |
| 2003 | 78.29 | - | C |
| 2004 | 112.11 | - | S |
| 2005 | 74.68 | - | S |
| 2007 | 148.61 | + | C |
| 2008 | 183.62 | + | S |
| 2009 | 189.11 | + | S |
| 2010 | 190.71 | + | S |
| 2011 | 163.86 | + | S |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| MEDIA | 137.92 | NO HOMOGÉNEA | | |
| S | 34 |
| C | 24 |
| S-C | 10 |
| -7.62 | **≤** | 10 | **≤** | 7.62 |

Tabla 7.3.1.B. 2. Prueba de homogeneidad, Student. Estación 27001

|  |  |  |  |
| --- | --- | --- | --- |
| Prueba T-Student | | | |
| Total | | | 59 |
| Serie 1 | | **Serie 2** | |
| n1 | 29 | **n2** | 30 |
| x1 | 141.30 | **x2** | 134.65 |
| S12=Var | 1485.98 | **S22=Var** | 987.48 |

|  |  |
| --- | --- |
| td | 0.72 |
| t | 2.00 |
| Homogénea | |

Tabla 7.3.1.B. 3. Prueba de homogeneidad, Cramer. Estación 27001

|  |  |  |  |
| --- | --- | --- | --- |
| Prueba de Cramer | | | |
| Total | | | 59 |
| Serie 1 | | **Serie 2** | |
| n60 | 35 | **n30** | 17 |
| Media 60 | 134.44 | **Media 30** | 142.37 |
| S60 | 29.57 | **S30** | 38.24 |
| τ60 = | -0.099 | **τ30 =** | 0.127 |
| t60 | 0.914 | **t30** | 0.614 |
| Homogénea | | **Homogénea** | |

###### Estación 27005 “LIBERTAD”

Tabla 7.3.1.B. 4. Prueba de homogeneidad, Helmert. Estación 27005.

| Estación 27005 | | | |
| --- | --- | --- | --- |
| Prueba de homogeneidad | | | |
| Helmert | | | |
| Año | QMI (m3/s) | Signo | Resultado |
| 1959 | 19.11 | + |  |
| 1960 | 18.72 | + | S |
| 1961 | 10.11 | - | C |
| 1962 | 15.21 | + | C |
| 1963 | 9.62 | - | C |
| 1964 | 16.76 | + | C |
| 1965 | 23.63 | + | S |
| 1966 | 10.23 | - | C |
| 1967 | 11.38 | - | S |
| 1968 | 15.34 | + | C |
| 1969 | 11.20 | - | C |
| 1970 | 10.91 | - | S |
| 1971 | 7.99 | - | S |
| 1972 | 17.71 | + | C |
| 1973 | 20.69 | + | S |
| 1974 | 10.01 | - | C |
| 1975 | 14.97 | + | C |
| 1976 | 16.44 | + | S |
| 1977 | 10.05 | - | C |
| 1978 | 7.34 | - | S |
| 1979 | 20.75 | + | C |
| 1980 | 13.18 | + | S |
| 1981 | 18.24 | + | S |
| 1982 | 11.40 | - | C |
| 1983 | 4.92 | - | S |
| 1984 | 11.13 | - | S |
| 1985 | 13.83 | + | C |
| 1986 | 13.49 | + | S |
| 1987 | 18.52 | + | S |
| 1988 | 18.53 | + | S |
| 1989 | 10.49 | - | C |
| 1990 | 19.75 | + | C |
| 1991 | 12.66 | - | C |
| 1992 | 7.67 | - | S |
| 1993 | 12.43 | - | S |
| 1994 | 9.53 | - | S |
| 1995 | 7.94 | - | S |
| 1996 | 11.41 | - | S |
| 1997 | 12.99 | - | S |
| 1998 | 8.96 | - | S |
| 1999 | 8.91 | - | S |
| 2000 | 13.28 | + | C |
| 2001 | 13.40 | + | S |
| 2002 | 8.18 | - | C |
| 2003 | 9.09 | - | S |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| MEDIA | 13.07 | HOMOGÉNEA | | |
| S | 25 |
| C | 19 |
| S-C | 6 |
| -6.63 | **≤** | 6 | **≤** | 6.63 |

Tabla 7.3.1.B. 5. Prueba de homogeneidad, Student. Estación 27005.

|  |  |  |  |
| --- | --- | --- | --- |
| Prueba T-Student | | | |
| Total | | | 45 |
| Serie 1 | | **Serie 2** | |
| n1 | 22 | **n2** | 23 |
| x1 | 14.15 | **x2** | 12.03 |
| S12=Var | 21.33 | **S22=Var** | 15.09 |

|  |  |
| --- | --- |
| td | 1.63 |
| t | 2.02 |
| Homogénea | |

Tabla 7.3.1.B. 6. Prueba de homogeneidad, Cramer. Estación 27005.

|  |  |  |  |
| --- | --- | --- | --- |
| Prueba de Cramer | | | |
| Total | | | 45 |
| Serie 1 | | **Serie 2** | |
| n60 | 27 | **n30** | 13 |
| Media 60 | 12.15 | **Media 30** | 10.50 |
| S60 | 4.09 | **S30** | 2.22 |
| τ60 = | -0.211 | **τ30 =** | -0.592 |
| t60 | 1.757 | **t30** | 2.673 |
| Homogénea | | **No Homogénea** | |

###### Estación 27006 “EL RAUDAL”

Tabla 7.3.1.B. 7. Prueba de homogeneidad, Helmert. Estación 27006.

| Estación 27006 | | | |
| --- | --- | --- | --- |
| Prueba de homogeneidad | | | |
| Helmert | | | |
| Año | QMI (m3/s) | Signo | Resultado |
| 1961 | 11.40 | - |  |
| 1962 | 23.20 | - | S |
| 1963 | 21.35 | - | S |
| 1964 | 11.08 | - | S |
| 1965 | 11.47 | - | S |
| 1966 | 24.05 | - | S |
| 1967 | 20.14 | - | S |
| 1968 | 32.82 | + | C |
| 1969 | 19.38 | - | C |
| 1970 | 18.94 | - | S |
| 1971 | 21.34 | - | S |
| 1972 | 20.04 | - | S |
| 1973 | 28.65 | + | C |
| 1974 | 19.85 | - | C |
| 1975 | 20.98 | - | S |
| 1976 | 35.55 | + | C |
| 1977 | 14.65 | - | C |
| 1978 | 20.59 | - | S |
| 1979 | 36.91 | + | C |
| 1980 | 22.20 | - | C |
| 1981 | 24.84 | - | S |
| 1982 | 22.75 | - | S |
| 1983 | 19.42 | - | S |
| 1984 | 25.60 | - | S |
| 1985 | 40.73 | + | C |
| 1986 | 21.09 | - | C |
| 1987 | 22.65 | - | S |
| 1988 | 24.89 | - | S |
| 1989 | 23.20 | - | S |
| 1990 | 32.60 | + | C |
| 1991 | 18.08 | - | C |
| 1992 | 16.69 | - | S |
| 1993 | 20.69 | - | S |
| 1994 | 18.29 | - | S |
| 1995 | 14.77 | - | S |
| 1996 | 51.24 | + | C |
| 1997 | 43.25 | + | S |
| 1998 | 48.87 | + | S |
| 1999 | 43.84 | + | S |
| 2000 | 64.42 | + | S |
| 2001 | 60.85 | + | S |
| 2002 | 24.92 | - | C |
| 2003 | 38.84 | + | C |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| MEDIA | 26.91 | NO HOMOGÉNEA | | |
| S | 27 |
| C | 15 |
| S-C | 12 |
| -6.48 | **≤** | 12 | **≤** | 6.48 |

Tabla 7.3.1.B. 8. Prueba de homogeneidad, Student. Estación 27006.

|  |  |  |  |
| --- | --- | --- | --- |
| Prueba T-Student | | | |
| Total | | | 43 |
| Serie 1 | | **Serie 2** | |
| n1 | 21 | **n2** | 22 |
| x1 | 21.88 | **x2** | 31.71 |
| S12=Var | 50.46 | **S22=Var** | 220.80 |

|  |  |
| --- | --- |
| td | 2.68 |
| t | 2.02 |
| NO Homogénea | |

Tabla 7.3.1.B. 9. Prueba de homogeneidad, Cramer. Estación 27006.

|  |  |  |  |
| --- | --- | --- | --- |
| Prueba de Cramer | | | |
| Total | | | 43 |
| Serie 1 | | **Serie 2** | |
| n60 | 25 | **n30** | 12 |
| Media 60 | 31.27 | **Media 30** | 37.22 |
| S60 | 14.14 | **S30** | 17.64 |
| τ60 = | 0.345 | **τ30 =** | 0.817 |
| t60 | 2.852 | **t30** | 3.782 |
| No Homogénea | | **No Homogénea** | |

###### Estación 28003 “CARDEL”

Tabla 7.3.1.B. 10. Prueba de homogeneidad, Helmert. Estación 28003.

| Estación 28003 | | | |
| --- | --- | --- | --- |
| Prueba de homogeneidad | | | |
| Helmert | | | |
| Año | QMI (m3/s) | Signo | Resultado |
| 1951 | 67.49 | + |  |
| 1952 | 75.25 | + | S |
| 1953 | 99.37 | + | S |
| 1954 | 35.77 | + | S |
| 1955 | 32.86 | - | C |
| 1956 | 53.04 | + | C |
| 1957 | 30.09 | - | C |
| 1958 | 19.27 | - | S |
| 1959 | 48.77 | + | C |
| 1960 | 27.67 | - | C |
| 1961 | 9.80 | - | S |
| 1962 | 19.34 | - | S |
| 1963 | 7.65 | - | S |
| 1964 | 6.80 | - | S |
| 1965 | 13.17 | - | S |
| 1966 | 79.25 | + | C |
| 1967 | 19.06 | - | C |
| 1968 | 49.12 | + | C |
| 1969 | 75.83 | + | S |
| 1970 | 31.46 | - | C |
| 1971 | 34.88 | + | C |
| 1972 | 56.41 | + | S |
| 1973 | 58.34 | + | S |
| 1974 | 41.45 | + | S |
| 1975 | 17.05 | - | C |
| 1976 | 28.11 | - | S |
| 1977 | 46.34 | + | C |
| 1978 | 7.44 | - | C |
| 1979 | 13.91 | - | S |
| 1980 | 14.42 | - | S |
| 1981 | 49.79 | + | C |
| 1982 | 35.34 | + | S |
| 1983 | 4.03 | - | C |
| 1984 | 16.75 | - | S |
| 1985 | 47.07 | + | C |
| 1986 | 38.73 | + | S |
| 1987 | 55.75 | + | S |
| 1988 | 45.16 | + | S |
| 1989 | 29.83 | - | C |
| 1990 | 28.33 | - | S |
| 1991 | 32.25 | - | S |
| 1992 | 135.43 | + | C |
| 1993 | 45.33 | + | S |
| 1994 | 41.69 | + | S |
| 1995 | 2.41 | - | C |
| 1996 | 11.27 | - | S |
| 1997 | 29.54 | - | S |
| 1998 | 3.54 | - | S |
| 1999 | 5.91 | - | S |
| 2000 | 15.44 | - | S |
| 2001 | 13.18 | - | S |
| 2002 | 6.61 | - | S |
| 2003 | 5.48 | - | S |
| 2004 | 65.99 | + | C |
| 2005 | 5.03 | - | C |
| 2006 | 29.68 | - | S |
| 2007 | 108.57 | + | C |
| 2008 | 12.88 | - | C |
| 2009 | 21.74 | - | S |
| 2010 | 19 | - | S |
| 2011 | 33.38 | - | S |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| MEDIA | 34.66 | NO HOMOGÉNEA | | |
| S | 37 |
| C | 23 |
| S-C | 14 |
| -7.75 | **≤** | 14 | **≤** | 7.75 |

Tabla 7.3.1.B. 11. Prueba de homogeneidad, Student. Estación 28003.

|  |  |  |  |
| --- | --- | --- | --- |
| Prueba T-Student | | | |
| Total | | | 61 |
| Serie 1 | | **Serie 2** | |
| n1 | 30 | **n2** | 31 |
| x1 | 37.31 | **x2** | 32.10 |
| S12=Var | 609.18 | **S22=Var** | 883.69 |

|  |  |
| --- | --- |
| td | 0.73 |
| t | 2.00 |
| Homogénea | |

Tabla 7.3.1.B. 12. Prueba de homogeneidad, Cramer. Estación 28003.

|  |  |  |  |
| --- | --- | --- | --- |
| Prueba de Cramer | | | |
| Total | | | 61 |
| Serie 1 | | **Serie 2** | |
| n60 | 36 | **n30** | 18 |
| Media 60 | 30.70 | **Media 30** | 23.96 |
| S60 | 28.24 | **S30** | 26.68 |
| τ60 = | -0.145 | **τ30 =** | -0.393 |
| t60 | 1.360 | **t30** | 2.017 |
| Homogénea | | **No Homogénea** | |

###### Estación 28108 “EL NARANJILLO”

Tabla 7.3.1.B. 13. Prueba de homogeneidad, Helmert. Estación 28108.

| Estación 28108 | | | |
| --- | --- | --- | --- |
| Prueba de homogeneidad | | | |
| Helmert | | | |
| Año | QMI (m3/s) | Signo | Resultado |
| 1962 | 1.21 | - |  |
| 1963 | 1.00 | - | S |
| 1964 | 1.01 | - | S |
| 1965 | 0.65 | - | S |
| 1966 | 1.20 | - | S |
| 1967 | 0.98 | - | S |
| 1968 | 1.13 | - | S |
| 1969 | 1.08 | - | S |
| 1970 | 1.47 | - | S |
| 1971 | 1.46 | - | S |
| 1972 | 1.36 | - | S |
| 1973 | 2.20 | + | C |
| 1974 | 1.37 | - | C |
| 1975 | 1.27 | - | S |
| 1976 | 1.50 | - | S |
| 1977 | 1.13 | - | S |
| 1978 | 0.34 | - | S |
| 1979 | 1.40 | - | S |
| 1980 | 1.86 | + | C |
| 1981 | 1.65 | + | S |
| 1982 | 2.07 | + | S |
| 1983 | 1.42 | - | C |
| 1984 | 0.62 | - | S |
| 1985 | 1.04 | - | S |
| 1986 | 1.48 | - | S |
| 1987 | 1.64 | + | C |
| 1988 | 1.18 | - | C |
| 1989 | 0.84 | - | S |
| 1990 | 1.06 | - | S |
| 1991 | 0.85 | - | S |
| 1992 | 5.06 | + | C |
| 1993 | 2.13 | + | S |
| 1994 | 2.53 | + | S |
| 1995 | 1.33 | - | C |
| 1996 | 1.47 | - | S |
| 1997 | 1.21 | - | S |
| 1998 | 1.44 | - | S |
| 1999 | 1.32 | - | S |
| 2000 | 1.94 | + | C |
| 2001 | 3.27 | + | S |
| 2002 | 1.00 | - | C |
| 2003 | 0.15 | - | S |
| 2004 | 2.27 | + | C |
| 2005 | 2.43 | + | S |
| 2006 | 1.37 | - | C |
| 2007 | 0.89 | - | S |
| 2008 | 1.37 | - | S |
| 2009 | 1.94 | + | C |
| 2010 | 1.79 | + | S |
| 2011 | 8.50 | + | S |
|  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| MEDIA | 1.62 | NO HOMOGÉNEA | | |
| S | 36 |
| C | 13 |
| S-C | 23 |
| -7.00 | **≤** | 23 | **≤** | 7.00 |

Tabla 7.3.1.B. 14. Prueba de homogeneidad, Student. Estación 28108.

|  |  |  |  |
| --- | --- | --- | --- |
| Prueba T-Student | | | |
| Total | | | 50 |
| Serie 1 | | **Serie 2** | |
| n1 | 25 | **n2** | 25 |
| x1 | 1.28 | **x2** | 1.96 |
| S12=Var | 0.18 | **S22=Var** | 2.78 |

|  |  |
| --- | --- |
| td | 1.95 |
| t | 2.01 |
| Homogénea | |

Tabla 7.3.1.B. 15. Prueba de homogeneidad, Cramer. Estación 28108.

|  |  |  |  |
| --- | --- | --- | --- |
| Prueba de Cramer | | | |
| Total | | | 50 |
| Serie 1 | | **Serie 2** | |
| n60 | 30 | **n30** | 15 |
| Media 60 | 1.85 | **Media 30** | 2.06 |
| S60 | 1.55 | **S30** | 1.93 |
| τ60 = | 0.189 | **τ30 =** | 0.353 |
| t60 | 1.644 | **t30** | 1.646 |
| Homogénea | | **Homogénea** | |

###### Estación 28111 “IDOLOS”

Tabla 7.3.1.B. 16. Prueba de homogeneidad, Helmert. Estación 28111.

| Estación 28111 | | | |
| --- | --- | --- | --- |
| Prueba de homogeneidad | | | |
| Helmert | | | |
| Año | QMI (m3/s) | Signo | Resultado |
| 1964 | 0.09 | - |  |
| 1965 | 0.20 | - | S |
| 1966 | 0.10 | - | S |
| 1967 | 0.27 | - | S |
| 1968 | 0.31 | - | S |
| 1969 | 0.26 | - | S |
| 1970 | 0.31 | - | S |
| 1971 | 0.15 | - | S |
| 1972 | 0.22 | - | S |
| 1973 | 0.17 | - | S |
| 1974 | 0.48 | + | C |
| 1975 | 0.14 | - | C |
| 1976 | 0.27 | - | S |
| 1977 | 0.33 | - | S |
| 1978 | 0.24 | - | S |
| 1979 | 0.55 | + | C |
| 1980 | 0.39 | - | C |
| 1981 | 0.71 | + | C |
| 1982 | 0.61 | + | S |
| 1983 | 0.29 | - | C |
| 1984 | 0.11 | - | S |
| 1985 | 0.60 | + | C |
| 1986 | 0.35 | - | C |
| 1987 | 0.64 | + | C |
| 1988 | 0.55 | + | S |
| 1989 | 0.26 | - | C |
| 1990 | 0.37 | - | S |
| 1991 | 0.40 | + | C |
| 1992 | 1.47 | + | S |
| 1993 | 0.57 | + | S |
| 1994 | 0.69 | + | S |
| 1995 | 0.35 | - | C |
| 1996 | 0.62 | + | C |
| 1997 | 0.54 | + | S |
| 1998 | 0.30 | - | C |
| 1999 | 0.44 | + | C |
| 2000 | 0.55 | + | S |
| 2001 | 0.70 | + | S |
| 2002 | 0.45 | + | S |
| 2003 | 0.42 | + | S |
| 2004 | 0.79 | + | S |
| 2005 | 0.52 | + | S |
| 2006 | 0.36 | - | C |
| 2007 | 0.46 | + | C |
| 2008 | 0.00 | - | C |
| 2009 | 0.45 | + | C |
| 2010 | 0.00 | - | C |
| 2011 | 0.00 | - | S |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| MEDIA | 0.40 | NO HOMOGÉNEA | | |
| S | 27 |
| C | 20 |
| S-C | 7 |
| -6.86 | **≤** | 7 | **≤** | 6.86 |

Tabla 7.3.1.B. 17. Prueba de homogeneidad, Student. Estación 28111.

|  |  |  |  |
| --- | --- | --- | --- |
| Prueba T-Student | | | |
| Total | | | 48 |
| Serie 1 | | **Serie 2** | |
| n1 | 24 | **n2** | 24 |
| x1 | 0.32 | **x2** | 0.47 |
| S12=Var | 0.03 | **S22=Var** | 0.09 |

|  |  |
| --- | --- |
| td | 1.99 |
| t | 2.01 |
| Homogénea | |

Tabla 7.3.1.B. 18. Prueba de homogeneidad, Cramer. Estación 28111.

|  |  |  |  |
| --- | --- | --- | --- |
| Prueba de Cramer | | | |
| Total | | | 48 |
| Serie 1 | | **Serie 2** | |
| n60 | 28 | **n30** | 14 |
| Media 60 | 0.46 | **Media 30** | 0.39 |
| S60 | 0.29 | **S30** | 0.24 |
| τ60 = | 0.260 | **τ30 =** | -0.031 |
| t60 | 2.197 | **t30** | 0.134 |
| No Homogénea | | **Homogénea** | |

###### Estación 28125 “CARRIZAL”

Tabla 7.3.1.B. 19. Prueba de homogeneidad, Helmert. Estación 28125.

| Estación 28125 | | | |
| --- | --- | --- | --- |
| Prueba de homogeneidad | | | |
| Helmert | | | |
| Año | QMI (m3/s) | Signo | Resultado |
| 1967 | 13.63 | + |  |
| 1968 | 12.78 | - | C |
| 1969 | 11.97 | - | S |
| 1970 | 12.50 | - | S |
| 1971 | 10.50 | - | S |
| 1972 | 10.83 | - | S |
| 1973 | 10.60 | - | S |
| 1974 | 13.40 | + | C |
| 1975 | 11.22 | - | C |
| 1976 | 10.10 | - | S |
| 1977 | 9.13 | - | S |
| 1978 | 7.08 | - | S |
| 1979 | 17.17 | + | C |
| 1980 | 13.35 | - | C |
| 1981 | 16.70 | + | C |
| 1982 | 15.56 | + | S |
| 1983 | 12.08 | - | C |
| 1984 | 11.35 | - | S |
| 1985 | 11.85 | - | S |
| 1986 | 15.30 | + | C |
| 1987 | 16.00 | + | S |
| 1988 | 15.60 | + | S |
| 1989 | 13.38 | + | S |
| 1990 | 14.90 | + | S |
| 1991 | 14.50 | + | S |
| 1992 | 16.50 | + | S |
| 1993 | 11.50 | - | C |
| 1994 | 13.00 | - | S |
| 1995 | 11.20 | - | S |
| 1996 | 11.24 | - | S |
| 1997 | 13.90 | + | C |
| 1998 | 12.69 | - | C |
| 1999 | 8.05 | - | S |
| 2000 | 5.68 | - | S |
| 2001 | 16.14 | + | C |
| 2002 | 13.64 | + | S |
| 2003 | 15.26 | + | S |
| 2004 | 16.29 | + | S |
| 2005 | 14.23 | + | S |
| 2006 | 13.82 | + | S |
| 2007 | 17.79 | + | S |
| 2008 | 15.38 | + | S |
| 2009 | 16.81 | + | S |
| 2010 | 19.08 | + | S |
| 2011 | 18.03 | + | S |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| MEDIA | 13.37 | NO HOMOGÉNEA | | |
| S | 32 |
| C | 12 |
| S-C | 20 |
| -6.63 | **≤** | 20 | **≤** | 6.63 |

Tabla 7.3.1.B. 20. Prueba de homogeneidad, Student. Estación 28125.

|  |  |  |  |
| --- | --- | --- | --- |
| Prueba T-Student | | | |
| Total | | | 45 |
| Serie 1 | | **Serie 2** | |
| n1 | 22 | **n2** | 23 |
| x1 | 12.67 | **x2** | 14.04 |
| S12=Var | 6.74 | **S22=Var** | 9.76 |

|  |  |
| --- | --- |
| td | 1.57 |
| t | 2.02 |
| Homogénea | |

Tabla 7.3.1.B. 21. Prueba de homogeneidad, Cramer. Estación 28125.

|  |  |  |  |
| --- | --- | --- | --- |
| Prueba de Cramer | | | |
| Total | | | 45 |
| Serie 1 | | **Serie 2** | |
| n60 | 27 | **n30** | 13 |
| Media 60 | 14.14 | **Media 30** | 14.63 |
| S60 | 2.96 | **S30** | 3.85 |
| τ60 = | 0.262 | **τ30 =** | 0.430 |
| t60 | 2.223 | **t30** | 1.868 |
| No Homogénea | | **Homogénea** | |