## APENDICE 7.6.

**“Pre-“ y “pos-“ análisis de series pluviométricas**

**Análisis previo de las series de datos**

El análisis previo consistió en la aplicación de pruebas de homogeneidad y ajuste a las series de datos de las estaciones que se encuentran dentro del área de estudio previo a proceder con el rellenado de datos. Como resultado de dichas pruebas se muestra la siguiente tabla.

Tabla 7.3.1.12. Resultados de las pruebas de homogeneidad e independencia realizadas previamente al rellenado de datos faltantes.

| Estación | Anderson | Helmert | T de Student | Cramer | | Estación | Anderson | Helmert | T de Student | Cramer | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **60%** | **30%** |  |  |  |  | **60%** | **30%** |
| 21025 | I | NH | NH | NH | NH | **30136** | I | NH | H | NH | NH |
| 21054 | I | H | H | NH | H | **30137** | I | NH | NH | NH | NH |
| 21056 | I | H | NH | NH | NH | **30141** | I | H | H | NH | H |
| 30002 | I | H | H | H | H | **30145** | I | H | H | H | H |
| 30003 | I | H | H | NH | NH | **30153** | I | H | H | NH | NH |
| 30007 | I | H | H | H | H | **30155** | I | H | H | NH | NH |
| 30008 | I | NH | H | NH | NH | **30157** | I | H | H | H | NH |
| 30010 | I | H | H | NH | H | **30158** | I | H | H | H | NH |
| 30012 | I | H | H | NH | NH | **30163** | I | H | H | NH | NH |
| 30015 | I | H | H | H | H | **30165** | I | NH | NH | NH | NH |
| 30018 | I | H | H | NH | NH | **30175** | I | H | H | NH | NH |
| 30021 | I | H | H | NH | H | **30177** | I | H | H | NH | NH |
| 30024 | I | H | H | NH | NH | **30179** | I | NH | H | NH | NH |
| 30026 | I | NH | H | NH | NH | **30181** | I | NH | H | NH | NH |
| 30032 | I | NH | H | NH | NH | **30187** | I | H | H | NH | H |
| 30040 | I | H | H | NH | NH | **30191** | I | H | H | NH | NH |
| 30047 | I | H | NH | NH | NH | **30193** | I | NH | H | H | NH |
| 30050 | I | H | H | H | NH | **30195** | I | H | H | H | H |
| 30052 | I | NH | H | NH | NH | **30199** | I | H | H | H | NH |
| 30053 | I | H | H | H | H | **30206** | I | H | H | NH | H |
| 30055 | I | H | H | NH | H | **30209** | I | H | H | NH | NH |
| 30056 | I | NH | H | NH | H | **30211** | I | NH | NH | NH | NH |
| 30060 | I | H | H | H | NH | **30213** | I | NH | H | H | NH |
| 30066 | I | H | H | NH | NH | **30219** | I | H | H | NH | NH |
| 30068 | I | H | H | NH | NH | **30225** | I | H | H | NH | NH |
| 30073 | I | NH | NH | NH | NH | **30228** | I | NH | H | H | H |
| 30074 | I | H | H | H | NH | **30241** | I | H | H | NH | NH |
| 30076 | I | H | H | NH | NH | **30266** | I | H | H | NH | H |
| 30085 | I | NH | NH | NH | NH | **30267** | I | H | H | H | NH |
| 30087 | I | H | H | NH | H | **30296** | I | H | H | NH | H |
| 30089 | I | NH | H | NH | H | **30297** | I | H | H | H | H |
| 30093 | I | H | H | NH | NH | **30311** | I | H | H | H | NH |
| 30094 | I | NH | NH | NH | NH | **30336** | I | H | H | NH | NH |
| 30097 | I | H | H | NH | NH | **30337** | I | NH | NH | NH | NH |
| 30101 | I | NH | H | NH | NH | **30339** | I | H | H | H | NH |
| 30102 | I | H | H | NH | NH | **30342** | I | H | H | NH | NH |
| 30104 | I | H | H | NH | NH | **30353** | I | H | H | H | H |
| 30108 | I | NH | NH | NH | NH | **30364** | I | H | H | H | H |
| 30112 | I | NH | H | NH | NH | **30367** | I | H | NH | NH | H |
| 30114 | I | NH | H | NH | H | **30368** | I | H | H | NH | NH |
| 30126 | I | H | H | NH | H | **30370** | I | H | H | H | H |

I: serie de tiempo independiente; H: serie de tiempo homogénea; NH: serie de tiempo no homogénea

**Generación de datos climatológicos faltantes**

Concluido el rellenado de datos faltantes en el periodo de estudio se realizaron las pruebas de homogeneidad e independencia, los resultados se muestran en la siguiente tabla

Tabla 7.3.1.13. Resultados de la aplicación de las pruebas de homogeneidad e independencia aplicadas.

| Estación | Anderson | Helmert | T de Student | Cramer | | Estación | Anderson | Helmert | T de Student | Cramer | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | 60% | 30% |  |  |  |  | 60% | 30% |
| 21025 | I | NH | H | NH | NH | **30093** | I | H | H | NH | NH |
| 21054 | I | NH | NH | NH | H | **30097** | I | H | H | NH | NH |
| 21056 | I | NH | H | NH | NH | **30101** | I | H | H | NH | NH |
| 30002 | I | H | H | NH | NH | **30102** | I | H | H | NH | NH |
| 30003 | I | H | H | NH | NH | **30104** | I | H | H | NH | H |
| 30007 | I | H | H | NH | H | **30108** | I | NH | H | NH | NH |
| 30008 | I | H | H | H | NH | **30112** | I | H | NH | NH | NH |
| 30010 | I | NH | NH | NH | NH | **30114** | I | NH | H | NH | H |
| 30012 | I | H | H | NH | H | **30126** | I | NH | NH | NH | NH |
| 30015 | I | H | H | NH | NH | **30136** | I | NH | H | NH | NH |
| 30018 | I | NH | H | NH | NH | **30137** | I | NH | NH | NH | NH |
| 30021 | I | H | NH | NH | NH | **30141** | I | H | NH | NH | NH |
| 30024 | I | H | H | NH | NH | **30153** | I | H | H | H | NH |
| 30026 | I | NH | H | NH | NH | **30157** | I | H | H | NH | H |
| 30032 | I | NH | H | NH | NH | **30158** | I | H | H | NH | NH |
| 30040 | I | NH | NH | NH | NH | **30163** | I | H | H | NH | NH |
| 30047 | I | H | NH | NH | NH | **30165** | I | NH | NH | NH | NH |
| 30050 | I | H | NH | NH | NH | **30175** | I | NH | H | NH | NH |
| 30052 | I | NH | H | NH | H | **30177** | I | H | H | NH | NH |
| 30053 | I | NH | NH | NH | NH | **30179** | I | NH | H | NH | NH |
| 30055 | I | H | H | NH | H | **30193** | I | H | H | NH | NH |
| 30056 | I | NH | H | NH | H | **30195** | I | H | H | NH | H |
| 30060 | I | NH | H | NH | NH | **30199** | I | NH | NH | NH | NH |
| 30066 | I | H | H | NH | NH | **30206** | I | H | H | NH | NH |
| 30068 | I | H | H | NH | NH | **30209** | I | NH | NH | NH | NH |
| 30073 | I | H | H | NH | NH | **30211** | I | NH | H | NH | H |
| 30074 | I | H | H | NH | NH | **30219** | I | NH | NH | NH | NH |
| 30076 | I | H | H | NH | NH | **30228** | I | NH | NH | NH | NH |
| 30085 | I | NH | NH | NH | NH | **30266** | I | NH | H | NH | NH |
| 30087 | I | NH | H | H | NH | **30267** | I | NH | H | NH | H |
| 30089 | I | NH | H | NH | NH | **30311** | I | NH | H | NH | H |
|  |  |  |  |  |  | **30370** | I | NH | NH | NH | H |

I: serie de tiempo independiente; H: serie de tiempo homogénea; NH: serie de tiempo no homogénea