

PLUVIOMETRIA DE CHILE

ANEXO 1

HOYA HIDROGRÁFICA N° 309
Río Rapel

OCTUBRE 1971

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CORFO

ESTADÍSTICAS PLUVIOMÉTRICAS

Anexo 1.

El presente Anexo contiene las estadísticas pluviométricas mensuales y anuales de un total de ochocientas cincuenta estaciones, cuyo catastro e índice se incluye entre las páginas 1 a 40 del Tomo 1 de esta publicación.

Las estaciones en este Anexo, se presentan ordenadas de acuerdo al número secuencial de identificación de cada estación por división hidrográfica. Las divisiones hidrográficas, a su vez, se encuentran ordenadas en el orden secuencial de su nomenclatura.

Esta Publicación consta de un Tomo y dos Anexos.-

El autor expresa su reconocimiento al Ingeniero Sr. Octavio Castillo Urrutia,
que contribuyó valiosamente a la realización de esta publicación

Los antecedentes pluviométricos con
tenidos en esta publicación fueron proporcionados por
ENDESA, Oficina Meteorológica y Dirección de Aguas del
Ministerio de Obras Públicas y Transporte.

PRECIPITACIONES (MM)

 ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)
 EST 1 RAPEL EN RAPEL
 LAT 3356 LON 7145

 AND ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT

 1965 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 395.5 313.5 -1.0 30.5 9.0 12.0 -1.0
 1966 0.0 0.0 0.0 70.0 34.5 476.5 118.4 84.5 7.0 13.0 0.5 25.5 829.9
 1967 0.0 0.0 0.0 3.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0
 1968 0.0 0.0 0.3 10.8 0.0 73.8 13.3 24.2 40.3 0.0 5.0 5.3 -1.0

PRECIPITACIONES (MM)

ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)

EST 2 HDA CCRNECHE

LAT 3357 LON 7137

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|--------|
| 1940 | 0.0 | 27.0 | 0.0 | 40.0 | 81.0 | 192.0 | 375.0 | 4.0 | 43.0 | 55.0 | 6.0 | 0.0 | 823.0 |
| 1941 | 3.0 | 9.0 | 25.0 | 53.0 | 231.0 | 186.0 | 304.0 | 191.0 | 0.0 | 19.0 | 23.0 | 0.0 | 1044.0 |
| 1942 | 0.0 | 0.0 | 4.0 | 0.0 | 45.0 | 100.0 | 109.0 | 116.0 | 12.0 | 19.0 | 40.0 | 0.0 | 445.0 |
| 1943 | 0.0 | 0.0 | 15.0 | 7.0 | 79.0 | 153.0 | 109.0 | 120.0 | 124.0 | 7.0 | 0.0 | 0.0 | 614.0 |
| 1944 | 2.0 | 2.0 | 0.0 | 56.0 | 89.0 | 309.0 | 56.5 | 305.5 | 6.0 | 52.0 | 0.0 | 0.0 | 878.0 |
| 1945 | 0.0 | 57.0 | 9.0 | 25.5 | 8.5 | 5.0 | 50.0 | 118.5 | 39.0 | 15.0 | 12.0 | 0.0 | 339.5 |
| 1946 | 54.5 | 0.0 | 0.0 | 15.5 | 44.5 | 127.0 | 52.5 | 41.0 | 0.0 | 19.0 | 0.0 | 2.0 | 356.0 |
| 1947 | 0.0 | 0.0 | 0.0 | 33.0 | 21.0 | 204.5 | 119.0 | 47.5 | 35.0 | 39.0 | 0.0 | 0.0 | 499.0 |
| 1948 | 0.0 | 0.0 | 0.0 | 64.0 | 152.0 | 94.5 | 345.0 | 28.0 | 34.5 | 14.0 | 0.0 | 5.5 | 737.5 |
| 1949 | 0.0 | 0.0 | 9.0 | 0.0 | 222.0 | 53.0 | 42.3 | 29.8 | 2.6 | 0.0 | 0.0 | 25.5 | 384.2 |
| 1950 | 0.0 | 0.0 | 1.5 | 114.0 | 243.0 | 68.5 | 15.0 | 129.5 | 60.5 | 22.0 | 49.0 | 0.0 | 703.0 |
| 1951 | 0.0 | 0.0 | 1.5 | 15.0 | 76.0 | 358.5 | 396.5 | 32.5 | 46.5 | 0.0 | 5.0 | 0.0 | 931.5 |
| 1952 | 0.0 | 0.0 | 9.5 | 0.0 | 151.0 | 165.5 | 121.5 | 15.8 | 6.0 | 12.0 | 15.0 | 0.0 | 496.3 |
| 1953 | 4.5 | 0.0 | 0.0 | 51.0 | 324.0 | 69.0 | 160.7 | 250.4 | 283.5 | 12.0 | 0.0 | 2.0 | 1157.1 |
| 1954 | 0.0 | 0.0 | 0.0 | 77.0 | 87.0 | 207.0 | 159.5 | 42.0 | 19.0 | 7.5 | 0.0 | 0.0 | 599.0 |
| 1955 | 0.0 | 0.0 | 0.0 | 10.5 | 57.0 | 213.0 | 18.0 | 80.0 | 16.5 | 8.5 | 3.5 | 21.0 | 428.0 |
| 1956 | 16.0 | 4.0 | 97.5 | 40.0 | 60.5 | 52.0 | 206.5 | 128.0 | 22.5 | 9.0 | 2.0 | 0.0 | 638.0 |
| 1957 | 0.0 | 0.0 | 0.0 | 27.5 | 243.5 | 20.5 | 154.0 | 58.0 | 14.5 | 10.0 | 0.0 | 40.0 | 574.0 |
| 1958 | 0.0 | 0.0 | 0.0 | 27.0 | 251.5 | 135.0 | 7.0 | 298.0 | 57.0 | 0.0 | 3.5 | 0.0 | 819.0 |
| 1959 | 36.0 | 0.0 | 25.0 | 130.0 | 47.0 | 197.0 | 136.0 | 78.0 | 42.0 | 30.0 | 0.0 | 0.0 | 727.0 |
| 1960 | 0.0 | 0.0 | 2.5 | 0.0 | 40.0 | 179.5 | 104.0 | 58.0 | 21.0 | 30.0 | 0.0 | 0.0 | 433.0 |
| 1961 | 14.0 | 0.0 | 37.0 | 0.0 | 31.0 | 246.5 | 110.5 | 102.0 | 137.0 | 21.0 | 0.0 | 0.0 | 759.0 |
| 1962 | 0.0 | 0.0 | 11.5 | 16.0 | 6.0 | 194.5 | 12.0 | 60.0 | 20.0 | 39.0 | 0.0 | 0.0 | 359.0 |
| 1963 | 0.0 | 0.0 | 16.0 | 2.0 | 85.0 | 107.0 | 246.0 | 205.5 | 183.0 | 8.0 | 24.0 | 0.0 | 936.5 |
| 1964 | 2.5 | 0.0 | 0.0 | 12.0 | 5.5 | 134.0 | 104.0 | 107.5 | 2.0 | 0.0 | 18.0 | 10.5 | 402.5 |
| 1965 | 0.0 | 0.0 | 0.0 | 66.5 | 66.0 | 26.0 | 443.5 | 405.0 | 13.5 | 33.0 | 10.0 | 17.5 | 1081.0 |
| 1966 | 0.0 | 0.0 | 0.0 | 103.0 | 37.0 | 551.0 | 157.0 | 74.0 | 9.0 | 12.5 | 0.0 | 31.0 | 974.5 |
| 1967 | 0.0 | 0.0 | 0.0 | 3.0 | 86.0 | 50.0 | 183.0 | 32.0 | 68.0 | 7.5 | 6.0 | 0.0 | 435.5 |
| 1968 | 0.0 | 0.0 | 4.0 | 13.5 | 0.0 | 50.0 | 12.5 | 46.5 | 43.0 | 0.0 | 4.2 | 0.0 | 173.7 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 7.0 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 173.7 |
| MAX | 54.5 | 57.0 | 97.5 | 130.0 | 324.0 | 551.0 | 443.5 | 405.0 | 283.5 | 55.0 | 49.0 | 40.0 | 1157.1 |
| PROM | 4.6 | 3.4 | 9.2 | 34.6 | 99.0 | 153.4 | 148.6 | 110.5 | 48.3 | 17.3 | 7.6 | 5.3 | 646.5 |
| DESV | 12.2 | 11.6 | 19.4 | 36.1 | 89.0 | 115.1 | 122.2 | 98.3 | 63.3 | 15.1 | 12.5 | 10.8 | 258.4 |
| CV | 2.7 | 3.4 | 2.1 | 1.0 | 0.9 | 0.8 | 0.8 | 0.9 | 1.3 | 0.9 | 1.6 | 2.0 | 0.4 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 5

HOYA 309 RAPEL
EST 3 VILLA ALHUE
LAT 3402 LON 7107

SUP 14503 (KM2)

500.

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OGT | NOV | DIC | TOT |
|------|------|------|------|------|-------|-------|-------|-------|-------|------|------|------|-------|
| 1953 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 116.7 | 296.0 | 257.0 | 28.0 | -1.0 | -1.0 | -1.0 |
| 1954 | 0.0 | 20.0 | 0.0 | 58.0 | 36.0 | 275.0 | 91.0 | 42.0 | 18.0 | 5.0 | 0.0 | 0.0 | 545.0 |
| 1955 | 0.0 | 0.0 | 0.0 | 3.0 | -1.0 | -1.0 | 2.0 | 74.0 | 14.0 | 0.0 | 0.0 | 12.0 | -1.0 |
| 1956 | 31.5 | 0.0 | 71.5 | 52.0 | 111.0 | -1.0 | 119.0 | 29.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1957 | 0.0 | 0.0 | 0.0 | 5.0 | 294.0 | 28.0 | 88.0 | 56.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1961 | -1.0 | -1.0 | -1.0 | 0.0 | 30.5 | 182.0 | 59.5 | 403.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1964 | 0.0 | 0.0 | 0.0 | 20.0 | 0.0 | 54.0 | 66.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1965 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 61.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |

PRECIPITACIONES (MM)

 ZCNA 5 HOYA 309 RAPEL SUP 14503 (KM2)
 EST 5 QUELENTARO ANTENA RADIO
 LAT 3402 LON 7135 ALT 260 (MTS)

 ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT

 1965 4.0 0.0 0.0 11.0 3.0 8.0 64.0 120.0 6.0 0.0 3.0 24.0 323.0
 1967 1.3 0.0 0.0 2.2 36.8 36.6 130.9 21.0 44.9 4.1 5.1 0.0 282.9
 1968 0.0 0.0 4.2 12.0 1.1 32.7 7.8 27.3 32.1 0.7 4.5 2.9 125.3

PRECIPITACIONES (MM)

 ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)
 EST 6 GRANEROS
 LAT 3404 LON 7044 ALT 479 (MTS)

502.

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|-------|------|-------|-------|-------|-------|-------|-------|------|------|------|-------|
| 1945 | 0.0 | 152.0 | 12.5 | 20.0 | 4.0 | 0.0 | 48.0 | 102.0 | 22.0 | 4.0 | 8.0 | 1.0 | 373.5 |
| 1946 | 30.0 | 0.0 | 0.0 | 12.0 | 42.0 | 48.0 | 82.0 | 51.0 | 0.0 | 14.0 | 0.0 | 0.0 | 279.0 |
| 1947 | 0.0 | 0.0 | 15.0 | 15.0 | 28.0 | 157.0 | 39.0 | 55.0 | 10.0 | 15.0 | 0.0 | 0.0 | 340.0 |
| 1948 | 0.0 | 0.0 | 0.0 | 46.0 | 98.0 | 42.0 | 189.0 | 8.0 | 31.0 | 2.0 | 0.0 | 0.0 | 410.0 |
| 1949 | 0.0 | 0.0 | 0.0 | 0.0 | 233.8 | 71.6 | 12.5 | 49.0 | 0.0 | 0.0 | 0.0 | 0.0 | 366.9 |
| 1950 | 0.0 | 0.0 | 15.0 | 116.0 | 107.0 | 34.0 | 2.0 | 62.7 | 24.0 | 0.0 | 18.0 | 0.0 | 378.7 |
| 1951 | 0.0 | 0.0 | 0.0 | 14.5 | 70.0 | 102.0 | 229.5 | 39.4 | 59.1 | 0.3 | 7.7 | 0.0 | 583.1 |
| 1952 | 0.0 | 3.7 | 0.0 | 0.0 | 168.1 | 106.0 | 100.9 | 37.6 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1953 | 0.5 | 0.0 | 3.3 | 49.3 | 16.0 | 24.5 | 106.3 | 213.8 | 202.2 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1954 | 0.0 | 4.5 | 0.9 | 48.5 | 86.0 | 199.3 | 106.3 | 20.0 | 0.0 | 6.0 | 0.0 | 0.0 | 471.5 |
| 1955 | 0.0 | 0.0 | 0.0 | 13.5 | -1.0 | -1.0 | 34.7 | 30.0 | 20.4 | 17.4 | 5.9 | 5.3 | -1.0 |
| 1956 | 14.2 | 0.0 | 43.6 | 47.5 | 60.5 | 12.8 | 61.4 | 88.3 | 5.0 | 0.6 | -1.0 | -1.0 | -1.0 |
| 1957 | 0.0 | 0.0 | 0.0 | 11.6 | -1.0 | 43.4 | -1.0 | 33.9 | 37.0 | 0.0 | 0.0 | -1.0 | -1.0 |
| 1958 | 0.0 | 0.0 | 0.0 | -1.0 | -1.0 | 131.1 | 57.2 | -1.0 | 18.1 | 5.9 | 11.1 | 0.0 | -1.0 |
| 1959 | 14.7 | 0.0 | 12.6 | 71.1 | 73.2 | 174.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1960 | 0.0 | 0.0 | 0.0 | 8.9 | 35.0 | 100.0 | 111.0 | 50.7 | 24.5 | 32.0 | 0.0 | 0.0 | 362.1 |
| 1961 | 13.8 | 0.0 | 16.0 | 0.0 | 34.8 | 219.7 | 73.3 | 119.5 | 31.2 | 27.7 | 0.0 | 10.8 | 547.4 |
| 1962 | 0.0 | 0.0 | 0.0 | 2.2 | 14.5 | 226.4 | 20.2 | 7.4 | 9.4 | 29.7 | 7.4 | 0.0 | 317.2 |
| 1963 | 0.0 | 0.0 | 27.5 | 12.2 | 41.9 | 78.9 | 204.9 | 110.1 | 139.0 | 13.2 | 44.7 | 0.0 | 662.4 |
| 1964 | 0.0 | 0.0 | 2.5 | 7.8 | 0.0 | 68.1 | 72.0 | 114.2 | 2.1 | 0.0 | 0.0 | 33.9 | 300.6 |
| 1965 | 6.1 | 0.0 | 0.0 | 54.3 | 77.7 | 59.6 | 135.7 | 180.6 | 5.5 | 19.2 | 17.1 | 49.1 | 604.9 |
| 1966 | 0.0 | 0.0 | 0.9 | 78.9 | 10.1 | 199.7 | 117.0 | 39.8 | 10.4 | 5.5 | 14.2 | 24.2 | 500.7 |
| 1967 | 8.0 | 0.0 | 0.0 | 2.7 | 38.0 | 40.0 | 115.0 | 14.0 | 41.0 | 17.0 | 8.9 | 0.0 | 284.6 |
| 1968 | 0.0 | 0.0 | 8.4 | 5.2 | 0.0 | 12.4 | 5.9 | 8.5 | 28.2 | 0.0 | 0.0 | 0.0 | 68.6 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 7.4 | 0.0 | 0.0 | 0.0 | 0.0 | 68.6 |
| MAX | 30.0 | 152.0 | 43.6 | 116.0 | 233.8 | 226.4 | 229.5 | 213.8 | 202.2 | 32.0 | 44.7 | 49.1 | 662.4 |
| PROM | 3.6 | 6.7 | 6.6 | 27.7 | 59.0 | 93.5 | 87.4 | 65.2 | 32.7 | 10.0 | 7.1 | 6.5 | 403.0 |
| DESV | 7.5 | 31.0 | 10.9 | 30.8 | 57.9 | 71.0 | 62.7 | 55.3 | 48.1 | 10.6 | 10.8 | 13.9 | 146.4 |
| CV | 2.1 | 4.6 | 1.7 | 1.1 | 1.0 | 0.8 | 0.7 | 0.8 | 1.5 | 1.1 | 1.5 | 2.1 | 0.4 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)

EST 7 SEWELL

LAT 3405 LON 7022 ALT 2155 (MTS)

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|--------|
| 1962 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 315.0 | 28.0 | 46.0 | 10.0 | 51.0 | 3.0 | 1.0 | -1.0 |
| 1963 | 4.0 | 2.0 | 19.0 | 12.0 | 60.0 | 89.0 | 243.0 | 167.0 | 106.0 | 59.0 | 42.0 | 0.0 | 803.0 |
| 1964 | 0.0 | 0.0 | 16.0 | 5.0 | 0.0 | 132.0 | 71.0 | 177.0 | 2.0 | 3.0 | 10.0 | 54.0 | 470.0 |
| 1965 | 0.0 | 0.0 | 0.0 | 210.0 | 173.0 | 80.0 | 190.0 | 365.0 | 21.0 | 54.0 | 19.0 | 59.0 | 1171.0 |
| 1966 | 0.0 | 0.0 | 5.0 | 71.0 | 17.0 | 324.0 | 192.0 | 110.0 | 16.0 | 30.0 | 20.0 | 32.0 | 825.0 |
| 1967 | 8.0 | 5.2 | 20.0 | 6.7 | 79.0 | -1.0 | 142.0 | 46.0 | 65.0 | 32.0 | 6.2 | 0.0 | -1.0 |
| 1968 | 0.0 | 0.0 | 18.1 | 37.1 | 0.0 | 36.6 | 14.4 | 24.0 | 56.2 | 36.5 | 3.9 | 0.0 | 226.8 |
| MIN | 0.0 | 0.0 | 0.0 | 5.0 | 0.0 | 36.6 | 14.4 | 24.0 | 2.0 | 3.0 | 3.0 | 0.0 | 226.8 |
| MAX | 8.0 | 5.2 | 20.0 | 210.0 | 173.0 | 324.0 | 243.0 | 365.0 | 106.0 | 59.0 | 42.0 | 59.0 | 1171.0 |
| PRDM | 2.0 | 1.2 | 13.0 | 57.0 | 54.8 | 162.8 | 125.8 | 133.6 | 39.5 | 37.9 | 14.9 | 20.9 | 699.2 |
| DESV | 3.3 | 2.1 | 8.4 | 79.1 | 66.4 | 125.2 | 89.0 | 118.6 | 37.7 | 19.1 | 13.8 | 27.0 | 362.2 |
| CV | 1.7 | 1.8 | 0.6 | 1.4 | 1.2 | 0.8 | 0.7 | 0.9 | 1.0 | 0.5 | 0.9 | 1.3 | 0.5 |

503.

NCTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 5

HOYA 309 RAPEL

SUP 14503 (KM2)

504.

EST 8 CALETICNES

LAT 3406 LCN 7027 ALT 1570 (MTS)

ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT

1965 0.0 0.0 0.0 158.0 81.0 64.0 184.0 384.0 18.0 38.0 19.0 72.0 1017.0

1966 -1.0 -1.0 3.0 75.0 16.0 264.0 170.0 123.0 10.0 40.0 22.0 32.0 -1.0

1967 4.2 2.0 1.0 3.0 95.0 26.0 147.0 35.0 40.0 40.0 5.5 0.0 398.7

1968 0.0 0.0 17.5 35.5 0.0 17.0 -1.0 29.5 35.5 -1.0 1.2 12.5 -1.0

PRECIPITACIONES (MM)

ZONA 5

HOYA 309

RAPEL

SUP 14503 (KM2)

EST 10 EL TENIENTE

LAT 3406 LON 7022 ALT 2134 (MTS)

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|
| 1912 | 0.0 | 0.0 | 0.0 | 71.3 | 222.9 | 376.8 | 27.1 | 216.6 | 18.6 | 2.2 | 17.4 | 0.0 | 952.9 |
| 1913 | 5.7 | 5.6 | 0.0 | 47.7 | 169.3 | 85.8 | 375.5 | 203.6 | 59.5 | 0.5 | 0.0 | 9.7 | 962.9 |
| 1914 | 0.0 | 0.0 | 9.8 | 31.7 | 165.7 | 463.1 | 470.2 | 345.0 | 211.2 | 277.4 | 251.7 | 3.3 | 2229.1 |
| 1915 | 0.0 | 7.5 | 17.9 | 235.4 | 289.5 | 189.4 | 51.9 | 54.1 | 8.9 | 16.7 | 17.1 | 0.0 | 888.4 |
| 1916 | 29.5 | 0.0 | 66.9 | 13.4 | 75.1 | 35.8 | 132.5 | 93.5 | 66.2 | 2.6 | 110.6 | 3.8 | 629.7 |
| 1917 | 6.3 | 62.5 | 0.0 | 50.4 | 82.6 | 201.3 | 18.0 | 34.8 | 125.4 | 0.0 | 0.0 | 1.5 | 582.8 |
| 1918 | 0.0 | 0.0 | 36.8 | 37.1 | 153.0 | 116.6 | 111.7 | 119.5 | 306.6 | 6.0 | 144.3 | 11.7 | 1043.3 |
| 1919 | 18.1 | 0.0 | 13.7 | 277.7 | 527.3 | 335.0 | 550.3 | 101.7 | 114.0 | 31.5 | 9.5 | 7.0 | 1985.8 |
| 1920 | 0.5 | 6.4 | 0.0 | 0.0 | 284.4 | 496.3 | 103.2 | 30.7 | 26.9 | 43.0 | 43.6 | 27.7 | 1062.7 |
| 1921 | 2.2 | 1.0 | 13.5 | 46.5 | 632.1 | 154.3 | 9.0 | 163.3 | 25.0 | 23.4 | 0.0 | 0.0 | 1076.3 |
| 1922 | 31.5 | 0.0 | 41.2 | 0.0 | 70.5 | 396.1 | 64.6 | 148.8 | 41.1 | 85.6 | 0.3 | 0.0 | 879.7 |
| 1923 | 33.6 | 3.7 | 0.0 | 10.6 | 10.6 | 219.5 | 252.7 | 197.2 | 11.6 | 151.5 | 26.0 | 0.0 | 907.0 |
| 1924 | 0.0 | 0.0 | 32.9 | 5.6 | 16.7 | 63.6 | 38.0 | 41.3 | 36.3 | 0.9 | 0.0 | 0.0 | 235.3 |
| 1925 | 0.0 | 28.5 | 3.8 | 4.2 | 92.2 | 29.2 | 130.0 | 14.8 | 647.3 | 7.8 | 10.0 | 0.0 | 967.8 |
| 1926 | 0.0 | 19.2 | 31.8 | 0.0 | 92.6 | 762.6 | 514.8 | 97.0 | 13.6 | 75.2 | 0.0 | 2.8 | 1609.6 |
| 1927 | 0.0 | 5.8 | 0.0 | 9.8 | 227.8 | 290.9 | 325.7 | 58.0 | 220.7 | 22.6 | 22.0 | 1.3 | 1188.6 |
| 1928 | 0.0 | 27.7 | 0.0 | 32.6 | 226.0 | 419.0 | 63.9 | 27.1 | 22.5 | 3.5 | 2.8 | 3.3 | 828.4 |
| 1929 | 50.0 | 1.0 | 0.0 | 0.0 | 211.0 | 186.0 | 50.0 | 493.0 | 91.0 | 10.0 | 0.0 | 45.0 | 1137.0 |
| 1930 | 0.0 | 0.0 | 6.0 | 28.0 | 59.0 | 417.0 | 407.0 | 331.0 | 79.0 | 219.0 | 132.0 | 11.0 | 1689.0 |
| 1931 | 45.0 | 5.0 | 0.0 | 65.0 | 59.0 | 167.0 | 341.0 | 183.0 | 91.0 | 27.0 | 104.0 | 1.0 | 1088.0 |
| 1932 | 0.0 | 5.0 | 3.0 | 19.0 | 80.0 | 268.0 | 289.0 | 208.0 | 31.0 | 62.0 | 0.0 | 68.0 | 1033.0 |
| 1933 | 165.0 | 61.0 | 0.0 | 0.0 | 237.0 | 318.0 | 118.0 | 284.0 | 43.0 | 27.0 | 0.0 | 8.0 | 1261.0 |
| 1934 | 4.0 | 0.0 | 45.0 | 0.0 | 660.0 | 572.0 | 44.0 | 33.0 | 35.0 | 102.0 | 46.0 | 13.0 | 1554.0 |
| 1935 | 0.0 | 0.0 | 0.0 | 12.0 | 54.0 | 205.0 | 114.0 | 102.0 | 99.0 | 67.0 | 2.0 | 0.0 | 655.0 |
| 1936 | 0.0 | 0.0 | 1.0 | 66.0 | 412.0 | 173.0 | 135.0 | 115.0 | 71.0 | 6.0 | 16.0 | 18.0 | 1013.0 |
| 1937 | 0.0 | 4.0 | 0.0 | 0.0 | 223.0 | 166.0 | 346.0 | 216.0 | 66.0 | 37.0 | 38.0 | 0.0 | 1096.0 |
| 1938 | 0.0 | 19.0 | 91.0 | 46.0 | 133.0 | 81.0 | 95.0 | 20.0 | 18.0 | 40.0 | 29.0 | 0.0 | 572.0 |
| 1939 | 28.0 | 0.0 | 0.0 | 0.0 | 219.0 | 197.0 | 62.0 | 118.0 | 21.0 | 82.0 | 19.0 | 53.0 | 799.0 |
| 1940 | 4.0 | 43.0 | 0.0 | 38.0 | 179.0 | 198.0 | 465.0 | 48.0 | 91.0 | 35.0 | 57.0 | 2.0 | 1160.0 |
| 1941 | 0.0 | 0.0 | 87.0 | 197.0 | 342.0 | 357.0 | 480.0 | 409.0 | 34.0 | 180.0 | 144.0 | 0.0 | 2230.0 |
| 1942 | 5.0 | 0.0 | 0.0 | 4.0 | 101.0 | 162.0 | 182.0 | 339.0 | 34.0 | 36.0 | 106.0 | 0.0 | 969.0 |
| 1943 | 0.0 | 0.0 | 56.0 | 26.0 | 93.0 | 116.0 | 123.0 | 91.0 | 78.0 | 40.0 | 0.0 | 0.0 | 623.0 |
| 1944 | 82.0 | 48.0 | 0.0 | 26.0 | 208.0 | -1.0 | 42.0 | 621.0 | 29.0 | 71.0 | 13.0 | 0.0 | -1.0 |
| 1945 | 4.3 | 201.8 | 32.0 | 81.5 | 20.0 | 0.0 | 169.7 | 127.8 | 94.2 | 10.5 | 23.3 | 0.0 | 765.1 |
| 1946 | 17.7 | 0.0 | 0.0 | 56.9 | 46.2 | 33.5 | 82.9 | 29.2 | 6.0 | 44.0 | 4.0 | 0.0 | 320.4 |
| 1947 | 0.0 | 0.0 | 5.7 | 32.2 | 48.7 | 95.7 | 59.0 | 81.5 | 45.5 | 51.0 | 0.0 | 0.0 | 419.3 |
| 1948 | 0.0 | 0.0 | 26.0 | 129.3 | 103.2 | 126.3 | 635.6 | 41.0 | 144.4 | 49.5 | 0.0 | 0.0 | 1255.3 |
| 1949 | 0.0 | 0.0 | 29.5 | 0.0 | 532.2 | 129.3 | 27.7 | 69.1 | 8.5 | 9.2 | 0.0 | 33.0 | 838.5 |
| 1950 | 0.0 | 0.0 | 43.4 | 172.5 | 274.6 | 70.0 | 16.5 | 161.8 | 155.7 | 56.9 | 0.0 | 0.0 | 951.4 |
| 1951 | 5.0 | 0.0 | 0.0 | 0.0 | 44.9 | 353.0 | 264.8 | 0.0 | 228.4 | 0.0 | 16.5 | 0.0 | 912.6 |
| 1952 | 0.0 | 0.0 | 2.0 | 0.0 | 340.5 | 199.9 | 65.2 | 61.2 | 117.8 | 73.7 | 16.5 | 0.0 | 876.8 |
| 1953 | 0.0 | 0.0 | 0.0 | 44.4 | 288.5 | 107.2 | 246.3 | 450.8 | 372.8 | 107.6 | 0.0 | 0.0 | 1617.6 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 10.6 | 0.0 | 9.0 | 0.0 | 6.0 | 0.0 | 0.0 | 0.0 | 27.3 |
| MAX | 165.0 | 201.8 | 91.0 | 277.7 | 660.0 | 762.6 | 635.6 | 621.0 | 647.3 | 277.4 | 251.7 | 68.0 | 2230.0 |
| PRCM | 12.8 | 13.3 | 16.6 | 45.7 | 197.8 | 227.6 | 192.9 | 156.7 | 96.2 | 52.2 | 33.8 | 7.7 | 999.9 |
| DESV | 29.7 | 34.1 | 24.4 | 65.1 | 163.1 | 164.0 | 173.4 | 144.5 | 119.5 | 60.4 | 54.5 | 15.5 | 503.0 |
| CV | 2.3 | 2.6 | 1.5 | 1.4 | 0.8 | 0.7 | 0.9 | 0.9 | 1.2 | 1.2 | 1.6 | 2.0 | 0.5 |

NGTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 5

HOYA 309 RAPEL
EST 12 SITIO K BARAHONA
LAT 3407 LON 7031 ALT 1672 (MTS)

SUP 14503 (KM2)

506.

ANC ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT

| | | | | | | | | | | | | | |
|------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1921 | 2.0 | 21.0 | 1.4 | 46.7 | 534.2 | 123.8 | 9.1 | 192.0 | 30.4 | 14.7 | 0.0 | 0.0 | 975.3 |
| 1922 | 1.6 | 0.0 | 47.5 | 0.0 | 70.7 | 349.3 | 85.3 | 173.9 | 46.0 | 93.9 | 0.0 | 0.0 | 868.2 |
| 1923 | 0.0 | 0.0 | 0.0 | 0.0 | 11.3 | 160.7 | 256.3 | 206.7 | 10.9 | 144.6 | 17.6 | 0.0 | 808.1 |
| 1924 | 0.0 | 0.0 | 23.0 | 1.0 | 33.2 | 48.0 | 10.0 | 27.5 | 18.5 | 2.0 | 0.0 | 0.0 | 163.2 |
| 1925 | 0.0 | 16.0 | 1.5 | 5.5 | 145.2 | 10.0 | 134.7 | 30.5 | 465.7 | 3.4 | 15.5 | 0.0 | 828.0 |
| 1926 | 0.0 | 0.0 | 19.0 | 0.0 | 68.5 | 917.8 | 488.8 | 85.8 | 16.0 | 30.9 | 0.0 | 0.0 | 1626.8 |
| 1927 | 0.0 | 3.1 | 2.4 | 0.0 | 280.5 | 217.9 | 314.0 | 86.0 | 235.0 | 0.0 | 50.0 | 0.0 | 1188.9 |
| 1928 | 0.0 | 0.0 | 0.0 | 20.4 | 311.5 | 360.6 | 52.8 | 25.0 | 22.7 | 4.3 | 6.7 | 0.0 | 804.0 |
| 1929 | 53.0 | 0.0 | 0.0 | 0.0 | 77.0 | 180.0 | 59.0 | 371.0 | 81.0 | 19.0 | 0.0 | 61.0 | 901.0 |
| 1930 | 0.0 | 0.0 | 1.0 | 29.0 | 34.0 | 401.0 | 439.0 | 401.0 | 43.0 | 200.0 | 135.0 | 0.0 | 1683.0 |
| 1931 | 77.0 | 0.0 | 0.0 | 45.0 | 58.0 | 201.0 | 410.0 | 173.0 | 86.0 | 8.0 | 67.0 | 0.0 | 1125.0 |
| 1932 | 0.0 | 0.0 | 16.0 | 17.0 | 58.0 | 240.0 | 311.0 | 222.0 | 34.0 | 39.0 | 0.0 | 103.0 | 1040.0 |
| 1933 | 126.0 | 32.0 | 0.0 | 0.0 | 223.0 | 307.0 | 107.0 | 312.0 | 47.0 | 45.0 | 0.0 | 11.0 | 1210.0 |
| 1934 | 0.0 | 0.0 | 18.0 | 3.0 | 636.0 | 492.0 | 54.0 | 24.0 | 42.0 | 111.0 | 30.0 | 4.0 | 1414.0 |
| 1935 | 0.0 | 0.0 | 0.0 | 10.0 | 60.0 | 177.0 | 102.0 | 108.0 | 105.0 | 53.0 | 0.0 | 0.0 | 615.0 |
| 1936 | 0.0 | 0.0 | 1.0 | 84.0 | 478.0 | 216.0 | 148.0 | 101.0 | 93.0 | 3.0 | 3.0 | 22.0 | 1149.0 |
| 1937 | 0.0 | 4.0 | 0.0 | 0.0 | 244.0 | 199.0 | 332.0 | 189.0 | 96.0 | 13.0 | 58.0 | 0.0 | 1135.0 |
| 1938 | 0.0 | 8.0 | 82.0 | 7.0 | 87.0 | 97.0 | 101.0 | 14.0 | 9.0 | 10.0 | 29.0 | 0.0 | 444.0 |
| 1939 | 10.0 | 0.0 | 0.0 | 0.0 | 157.0 | 165.0 | 76.0 | 115.0 | 39.0 | 86.0 | 8.0 | 84.0 | 740.0 |
| 1940 | 0.0 | 68.0 | 0.0 | 42.0 | 150.0 | 233.0 | 496.0 | 34.0 | 65.0 | 26.0 | 52.0 | 8.0 | 1174.0 |
| 1941 | 0.0 | 0.0 | 0.0 | 360.0 | 254.0 | 322.0 | 419.0 | 264.0 | 48.0 | 101.0 | 184.0 | 0.0 | 1952.0 |
| 1942 | 0.0 | 0.0 | 0.0 | 0.0 | 63.0 | 165.0 | 137.0 | 268.0 | 34.0 | 43.0 | 125.0 | 0.0 | 835.0 |
| 1943 | 0.0 | 0.0 | 54.0 | 22.0 | 123.0 | 151.0 | 96.0 | 48.0 | 74.0 | 26.0 | 4.0 | 0.0 | 598.0 |
| 1944 | 20.0 | 25.0 | 0.0 | 13.0 | 204.9 | 242.0 | 45.0 | 504.8 | 15.2 | 68.4 | 5.1 | 0.0 | 1143.4 |
| 1945 | 0.0 | 164.5 | 22.1 | 33.0 | 14.0 | 0.0 | 138.7 | 102.3 | 65.5 | 6.3 | 17.5 | 0.0 | 563.9 |
| 1946 | 74.1 | 0.0 | 0.0 | 38.3 | 65.1 | 37.0 | 107.4 | 40.8 | 11.8 | 54.7 | 0.0 | 0.0 | 429.2 |
| 1947 | 0.0 | 0.0 | 2.3 | 25.8 | 70.5 | 286.7 | 50.0 | 152.8 | 28.8 | 55.3 | 0.0 | 0.0 | 672.2 |
| 1948 | 0.0 | 6.1 | 7.0 | 117.2 | 158.7 | 59.7 | 544.7 | 25.7 | 81.6 | 40.2 | 0.0 | 0.0 | 1040.9 |
| 1949 | 0.0 | 0.0 | 17.5 | 0.0 | 355.6 | 131.8 | 16.4 | 58.4 | 6.2 | 1.0 | 0.0 | 41.3 | 628.2 |
| 1950 | 0.0 | 0.0 | 33.7 | 149.8 | 265.3 | 90.0 | 4.1 | 175.7 | 86.5 | 35.1 | 66.7 | 0.0 | 906.9 |
| 1951 | 0.0 | 0.0 | 0.0 | 27.6 | 147.7 | 269.9 | 239.6 | 54.0 | 92.6 | 2.5 | 14.2 | 0.0 | 848.1 |
| 1952 | 0.0 | 19.0 | 0.0 | 0.0 | 294.4 | 174.9 | 77.3 | 47.0 | 59.4 | 148.0 | 41.0 | 0.0 | 861.0 |
| 1953 | 9.6 | 0.0 | 4.5 | 68.0 | 321.1 | 76.2 | 240.3 | 380.8 | 335.6 | 54.4 | 0.0 | 0.0 | 1490.5 |
| 1954 | 0.0 | 6.9 | 0.0 | 76.0 | 163.7 | 227.9 | 91.5 | 21.5 | 7.6 | 16.2 | 0.0 | 48.0 | 659.3 |
| 1955 | 0.0 | 0.0 | 0.0 | 28.3 | 56.7 | 120.0 | 31.3 | 38.8 | 6.8 | 24.4 | 8.3 | 12.3 | 326.9 |
| 1956 | 22.6 | 0.0 | 57.2 | 107.5 | 84.0 | 2.2 | 92.8 | 108.2 | 11.0 | 6.6 | 11.4 | 0.0 | 503.5 |
| 1957 | 0.0 | 0.0 | 0.0 | 13.5 | 154.0 | 13.2 | 55.8 | 61.0 | 25.6 | 3.4 | 0.0 | 29.8 | 356.3 |
| 1958 | 0.0 | 0.0 | 0.0 | 0.0 | 152.3 | 354.2 | 29.9 | 200.6 | 14.4 | 0.0 | 15.0 | 0.0 | 766.4 |
| 1959 | 0.0 | 0.0 | 8.3 | 113.3 | 80.1 | 234.6 | 186.8 | 68.4 | 73.5 | 23.5 | 0.0 | 0.0 | 788.5 |
| 1960 | 0.0 | 0.0 | 0.0 | 13.2 | 65.4 | 248.5 | 107.6 | 41.6 | 42.1 | 14.7 | 0.0 | 0.0 | 533.1 |
| 1961 | 38.2 | 0.0 | 81.5 | 0.0 | 30.4 | 206.0 | 101.6 | 148.0 | 114.9 | 43.2 | 0.0 | 6.5 | 770.3 |
| 1962 | 0.0 | 0.0 | 0.0 | 13.5 | 43.4 | 472.3 | 30.1 | 49.2 | 9.3 | 77.1 | 0.0 | 0.0 | 694.9 |
| 1963 | 0.1 | 0.0 | 21.6 | 11.3 | 100.4 | 137.4 | 424.9 | 208.6 | 181.9 | 72.7 | 91.0 | 0.0 | 1249.9 |
| 1964 | 0.0 | 0.0 | 7.0 | 2.0 | 4.0 | 186.0 | 120.0 | -1.0 | 0.0 | 0.0 | 1.0 | 68.0 | -1.0 |
| 1965 | 1.0 | 0.0 | 0.0 | 193.0 | 93.0 | 58.0 | 227.0 | 389.0 | 23.0 | 65.0 | 20.0 | -1.0 | -1.0 |
| 1966 | -1.0 | 0.0 | 5.0 | 94.0 | 23.0 | 224.0 | 222.0 | 170.0 | 28.0 | 41.0 | 22.0 | 29.0 | -1.0 |
| 1967 | 5.4 | 2.4 | 0.0 | 3.6 | 110.0 | -1.0 | 183.0 | 55.0 | 65.0 | 30.0 | 8.7 | 0.0 | -1.0 |
| 1968 | 0.0 | 0.0 | 19.1 | 36.5 | 0.0 | 17.7 | -1.0 | 36.6 | 58.6 | -1.0 | 5.4 | 4.5 | -1.0 |

| | | | | | | | | | | | | | |
|------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.1 | 14.0 | 0.0 | 0.0 | 0.0 | 0.0 | 163.2 |
| MAX | 126.0 | 164.5 | 82.0 | 360.0 | 636.0 | 517.8 | 544.7 | 504.8 | 465.7 | 200.0 | 184.0 | 103.0 | 1952.0 |
| PROM | 9.4 | 7.8 | 11.5 | 39.0 | 150.3 | 204.3 | 170.3 | 140.6 | 66.4 | 41.7 | 23.2 | 11.3 | 895.6 |
| DESV | 24.9 | 25.9 | 20.6 | 64.6 | 139.9 | 159.8 | 148.4 | 121.6 | 84.7 | 44.1 | 39.6 | 24.1 | 378.4 |
| CV | 2.7 | 3.3 | 1.8 | 1.7 | 0.9 | 0.8 | 0.9 | 0.9 | 1.3 | 1.1 | 1.7 | 2.1 | 0.4 |

| PRECIPITACIONES (MM) | | | | | | | | | | | | | |
|---------------------------------------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|-------|
| ***** | | | | | | | | | | | | | |
| ZONA 5 HCYA 309 RAPEL SUP 14503 (KM2) | | | | | | | | | | | | | |
| EST 13 LCACFA PRCP END TIPC PV | | | | | | | | | | | | | |
| LAT 2407 LON 7108 ***** | | | | | | | | | | | | | |
| ANC | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
| ***** | | | | | | | | | | | | | |
| 1954 | 5.0 | 33.0 | 0.0 | 46.0 | 39.0 | 137.0 | 20.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 |
| 1955 | 0.0 | 0.0 | 0.0 | 25.0 | 33.0 | -1.0 | 32.0 | 74.0 | 22.0 | 3.0 | 5.0 | 29.5 | -1.0 |
| 1956 | 34.0 | 0.0 | 10.0 | 25.0 | 63.0 | 30.0 | 149.0 | 82.0 | 22.0 | -1.0 | 0.0 | 0.0 | -1.0 |
| 1957 | 0.0 | 0.0 | 0.0 | 0.0 | 228.0 | 27.0 | 102.0 | 65.0 | 23.0 | 7.0 | 0.0 | 23.0 | 475.0 |
| 1958 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1959 | 0.0 | 0.0 | 10.6 | 108.8 | 11.0 | 146.0 | 101.0 | 53.0 | 30.0 | 21.0 | -1.0 | -1.0 | -1.0 |
| 1960 | 0.0 | 0.0 | 0.0 | 4.5 | 40.0 | 92.0 | 104.0 | 52.0 | 11.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1961 | 20.0 | 0.0 | 0.0 | 0.0 | 34.0 | 188.0 | 79.0 | 143.0 | 134.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1962 | 0.0 | 0.0 | 0.0 | 0.0 | 23.0 | 174.0 | 24.0 | 60.0 | 12.0 | 30.0 | 0.0 | 0.0 | 323.0 |
| 1963 | 0.0 | 0.0 | 17.0 | 22.0 | 5.0 | 79.0 | 23.0 | 18.0 | 9.0 | 4.0 | 48.0 | 0.0 | 722.0 |
| 1964 | 2.0 | 0.0 | 0.0 | 12.0 | 0.0 | 67.7 | 64.0 | 130.0 | 0.0 | 0.0 | 12.0 | 24.9 | 313.6 |
| 1965 | 0.0 | 0.0 | 0.0 | 56.2 | 75.2 | 32.0 | 25.4 | 265.3 | 5.1 | 40.9 | 15.6 | 30.0 | 776.2 |
| 1966 | 0.0 | 0.0 | 0.0 | 90.5 | 31.9 | 271.8 | 10.0 | 55.0 | 10.0 | 4.2 | 9.2 | 37.8 | 656.9 |
| 1967 | 0.0 | 0.0 | 0.0 | 4.8 | 72.4 | 58.7 | 147.0 | 3.0 | 28.4 | 1.9 | 8.4 | -1.0 | -1.0 |
| 1968 | 0.0 | 0.0 | 0.0 | 15.2 | 1.4 | 16.0 | 10.0 | 22.0 | 42.0 | 0.0 | 7.3 | 0.0 | 115.9 |
| ***** | | | | | | | | | | | | | |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.9 | 10.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 115.9 |
| MAX | 34.0 | 33.0 | 10.0 | 108.8 | 228.0 | 271.8 | 25.7 | 265.3 | 134.0 | 40.9 | 48.0 | 37.8 | 776.2 |
| PRCP | 4.4 | 2.4 | 0.8 | 24.9 | 5.2 | 101.6 | 10.7 | 50.0 | 35.1 | 10.2 | 9.6 | 14.5 | 483.2 |
| DESV | 10.1 | 8.8 | 2.0 | 36.3 | 56.1 | 77.0 | 74.1 | 70.2 | 38.3 | 14.0 | 13.8 | 15.8 | 245.8 |
| CV | 2.3 | 2.7 | 2.0 | 1.5 | 1.1 | 0.8 | 0.7 | 0.8 | 1.1 | 1.4 | 1.4 | 1.1 | 0.5 |
| ***** | | | | | | | | | | | | | |

507.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORRIDOS

PRECIPITACIONES (MM)

ZONA 5 HCYA 309 RAPEL SUP 14EC3 (KM2)

EST 15 RANCAGLA PRCF OMC TIPC PV

LAT 3410 LON 7045 ALT 500 (MTS)

| ANO | ENE | FEB | MAR | APR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|
| 1877 | -1.0 | -1.0 | -1.0 | -1.0 | 6.0 | 129.0 | 7.0 | 185.0 | 59.0 | 14.0 | 20.0 | 0.0 | -1.0 |
| 1888 | 0.0 | -1.0 | 1.0 | 8.0 | 41.0 | 139.0 | 181.0 | 152.0 | 162.0 | 82.0 | 5.0 | 0.0 | -1.0 |
| 1889 | 0.0 | 0.0 | 2.0 | 9.0 | 37.0 | 17.0 | 115.0 | 75.0 | 0.0 | 0.0 | 0.0 | 1.0 | 260.0 |
| 1890 | 0.0 | 0.0 | 0.0 | 13.0 | 9.0 | 39.0 | 123.0 | 54.0 | 1.0 | 0.0 | 0.0 | 0.0 | 279.0 |
| 1891 | -1.0 | -1.0 | -1.0 | 15.0 | 9.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1892 | -1.0 | -1.0 | 0.0 | 1.0 | 9.0 | 10.0 | 26.0 | 123.0 | 3.0 | 3.0 | 23.0 | 0.0 | -1.0 |
| 1910 | 0.0 | 0.0 | 10.0 | 17.0 | 8.0 | 93.0 | 41.0 | 334.0 | 0.0 | 1.0 | 8.0 | 6.0 | 208.0 |
| 1911 | 0.0 | 0.0 | 1.0 | 36.0 | 26.0 | 54.0 | 47.0 | 15.0 | 31.0 | 0.0 | 0.0 | 30.5 | 243.4 |
| 1912 | 0.0 | 0.0 | 0.0 | 31.0 | 96.1 | 109.4 | 5.6 | 69.5 | 18.5 | 1.2 | 11.3 | 0.0 | 342.8 |
| 1913 | 0.0 | 0.0 | 1.0 | 3.0 | 71.6 | 18.2 | 139.6 | 33.6 | 21.6 | 0.0 | 0.0 | 0.7 | 289.5 |
| 1914 | 0.0 | 0.0 | 0.0 | 10.0 | 61.3 | 196.1 | 156.6 | 75.2 | 89.5 | 108.3 | 81.3 | 0.0 | 778.4 |
| 1915 | 0.0 | 4.0 | 4.0 | 36.0 | 124.7 | 63.3 | 24.6 | 15.1 | 6.5 | 1.9 | 2.4 | 0.0 | 282.2 |
| 1916 | 3.9 | 0.0 | 29.0 | 8.6 | 23.0 | 17.1 | 88.1 | 38.8 | 20.7 | 1.6 | 34.6 | 0.0 | 265.4 |
| 1917 | 0.0 | 0.0 | 0.0 | 20.0 | 60.0 | 165.2 | 9.3 | 228.2 | 61.6 | 0.0 | 0.0 | 1.0 | 345.3 |
| 1918 | -1.0 | -1.0 | 16.7 | 56.6 | 31.3 | 97.1 | 24.7 | 22.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1919 | 0.6 | 0.0 | 0.0 | 114.8 | 282.1 | 100.7 | 182.6 | 22.2 | 34.0 | 10.5 | 0.4 | 0.0 | 748.2 |
| 1920 | 0.0 | 0.0 | 0.0 | 0.0 | 117.2 | 143.1 | 21.1 | 22.4 | 6.3 | 7.1 | 11.0 | 13.9 | 342.1 |
| 1921 | 0.0 | 0.0 | 14.4 | 29.7 | 257.3 | 81.4 | 7.2 | 55.5 | 19.5 | 13.2 | 0.0 | 0.1 | 478.3 |
| 1922 | 0.1 | 0.0 | 23.2 | 0.0 | 25.7 | 155.6 | 4.8 | 104.4 | 32.8 | 23.5 | 0.6 | 0.2 | 415.7 |
| 1923 | 0.0 | 0.0 | 0.0 | 0.0 | 11.1 | 105.1 | 131.7 | 113.1 | 9.0 | 57.0 | 9.0 | 0.1 | 437.0 |
| 1924 | 0.0 | 0.0 | 14.8 | 0.0 | 5.7 | 22.8 | 12.8 | 16.5 | 26.0 | 2.7 | 0.0 | 0.0 | 113.1 |
| 1925 | 0.0 | 0.5 | 0.5 | 7.6 | 29.8 | 24.7 | 84.2 | 6.4 | 206.2 | 10.0 | 2.9 | 0.1 | 372.9 |
| 1926 | 0.0 | 0.9 | 5.5 | 2.0 | 36.0 | 423.0 | 211.0 | 59.5 | 11.0 | 4.4 | 0.0 | 0.0 | 748.2 |
| 1927 | 0.0 | 0.0 | 0.0 | 0.0 | 158.0 | 81.0 | 77.4 | 76.7 | 81.9 | 12.0 | 12.8 | 0.0 | 502.0 |
| 1928 | 0.0 | 1.0 | 0.0 | 35.0 | 172.2 | 161.2 | 26.0 | 2.0 | 7.0 | 4.0 | 11.0 | 4.0 | 424.1 |
| 1929 | 0.0 | 0.0 | 0.0 | 0.0 | 80.0 | 96.0 | 25.0 | 0.0 | 174.0 | 13.0 | 0.0 | 31.0 | 470.0 |
| 1930 | 0.0 | 0.0 | 0.0 | 27.0 | 24.0 | 199.0 | 110.0 | 190.0 | 32.0 | 73.0 | 37.0 | 29.0 | 702.0 |
| 1931 | 16.0 | 0.0 | 0.0 | 24.0 | 29.0 | 73.0 | 130.0 | 192.0 | 24.0 | 0.0 | 12.0 | 0.0 | 360.0 |
| 1932 | 0.0 | 0.4 | 11.0 | 15.0 | 41.0 | 128.0 | 116.0 | 120.0 | 18.0 | 16.0 | 0.0 | 6.0 | 481.4 |
| 1933 | 41.0 | 0.0 | 0.0 | 0.0 | 61.0 | 124.0 | 54.0 | 54.0 | 31.0 | 17.0 | 0.0 | 0.0 | 382.0 |
| 1934 | 0.0 | 0.0 | 2.0 | 0.0 | 223.0 | 217.0 | 15.0 | 27.0 | 20.0 | 48.0 | 16.0 | 4.0 | 572.0 |
| 1935 | 0.0 | 0.0 | 0.0 | 11.0 | 76.0 | 116.0 | 40.0 | 57.0 | 32.0 | 35.0 | 0.0 | 0.0 | 367.0 |
| 1936 | 0.0 | 0.0 | 0.0 | 59.0 | 226.0 | 76.0 | 81.0 | 89.0 | 23.0 | 2.0 | 4.0 | 4.0 | 563.0 |
| 1937 | 0.0 | 2.0 | 0.0 | 0.0 | 99.0 | 124.0 | 124.0 | 87.0 | 50.0 | 26.0 | 14.0 | 0.0 | 526.0 |
| 1938 | 0.0 | 0.0 | 5.0 | 0.0 | 71.0 | 157.0 | 35.0 | 8.0 | 3.0 | 21.0 | 16.0 | 0.0 | 269.0 |
| 1939 | 3.0 | 0.0 | 0.0 | 0.0 | 113.0 | 155.0 | 29.0 | 72.0 | 16.0 | 49.0 | 1.0 | 29.0 | 467.0 |
| 1940 | 0.0 | 3.0 | 0.0 | 21.0 | 47.0 | 156.0 | 257.0 | 18.0 | 18.0 | 28.0 | 12.0 | 0.0 | 588.0 |
| 1941 | 0.0 | 3.0 | 27.0 | 95.0 | 110.0 | 153.0 | 194.0 | 190.0 | 10.0 | 13.0 | 64.0 | 0.0 | 859.0 |
| 1942 | 0.0 | 0.0 | 1.0 | 0.0 | 21.0 | 93.0 | 90.0 | 112.0 | 14.0 | 15.0 | 40.0 | 0.0 | 386.0 |
| 1943 | 0.0 | 0.0 | 11.0 | 16.0 | 64.0 | 75.0 | 68.0 | 112.0 | 44.0 | 19.0 | 5.0 | 0.3 | 355.3 |
| 1944 | 2.0 | 25.0 | 0.0 | 14.0 | 96.3 | 170.7 | 12.0 | 193.3 | 8.0 | 12.8 | 3.5 | 0.0 | 537.9 |
| 1945 | 0.8 | 47.7 | 6.6 | 13.3 | 1.6 | 2.2 | 30.8 | 97.5 | 15.0 | 2.2 | 3.5 | 0.0 | 221.2 |
| 1946 | 3.8 | 0.0 | 0.0 | 4.8 | 47.3 | 50.6 | 52.0 | 39.8 | 3.4 | 16.8 | 0.0 | 0.0 | 253.3 |
| 1947 | 0.0 | 0.0 | 8.1 | 23.8 | 42.9 | 137.0 | 27.1 | 26.6 | 12.5 | 20.1 | 0.0 | 0.0 | 298.1 |
| 1948 | 0.0 | 0.8 | 0.0 | 23.8 | 79.1 | 26.8 | 183.2 | 8.2 | 40.3 | 12.1 | 0.0 | 0.0 | 374.3 |

| | ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AGO | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|
| 1949 | 0.0 | 0.0 | 0.0 | 19.4 | 0.0 | 249.8 | 75.8 | 16.5 | 57.6 | 2.5 | 0.0 | 0.0 | 4.0 | 425.6 |
| 1950 | 0.0 | 0.0 | 0.0 | 16.0 | 123.0 | 101.8 | 36.6 | 3.0 | 69.0 | 45.0 | 23.0 | 23.0 | 0.0 | 441.0 |
| 1951 | 0.0 | 0.0 | 0.0 | 0.0 | 16.0 | 78.0 | 97.5 | 12.0 | 20.0 | 43.0 | 0.0 | 22.5 | 1.0 | 398.5 |
| 1952 | 0.0 | 0.0 | 0.5 | 1.0 | 0.0 | 103.0 | 50.0 | 83.0 | 21.0 | 27.0 | 17.2 | 15.8 | 0.0 | 419.5 |
| 1953 | 4.0 | 0.0 | 0.0 | 3.0 | 57.0 | 133.0 | 20.0 | 12.0 | 186.0 | 160.0 | 33.0 | 0.0 | 0.0 | 725.0 |
| 1954 | 0.0 | 0.0 | 0.5 | 0.0 | 66.0 | 29.0 | 24.0 | 22.0 | 49.0 | 18.0 | 34.0 | 0.0 | 0.0 | 406.0 |
| 1955 | 0.0 | 0.0 | 0.0 | 0.0 | 9.0 | 29.0 | 3.0 | 4.0 | 7.0 | 17.0 | 3.0 | 0.0 | 0.0 | 309.0 |
| 1956 | 20.0 | 0.0 | 0.0 | 67.0 | 39.0 | 55.0 | 5.0 | 8.0 | 7.0 | 13.0 | 3.0 | 0.0 | 0.0 | 374.0 |
| 1957 | 4.0 | 0.0 | 2.5 | 0.0 | 5.0 | 190.0 | 32.0 | 6.0 | 33.0 | 13.0 | 2.0 | 0.0 | 1.0 | 336.0 |
| 1958 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 132.0 | 121.0 | 12.0 | 22.0 | 12.0 | 0.0 | 6.0 | 0.0 | 350.0 |
| 1959 | 0.0 | 0.0 | 0.0 | 14.0 | 76.0 | 154.0 | 116.0 | 12.0 | 25.0 | 18.0 | 19.0 | 0.0 | 0.0 | 458.0 |
| 1960 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 19.0 | 90.0 | 88.0 | 33.0 | 11.0 | 6.0 | 0.0 | 0.0 | 253.0 |
| 1961 | 14.0 | 0.0 | 0.0 | 38.0 | 4.0 | 22.0 | 133.0 | 44.0 | 79.0 | 42.0 | 11.0 | 0.0 | 0.0 | 396.0 |
| 1962 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 170.0 | 61.0 | 16.0 | 119.0 | 105.0 | 24.0 | 4.0 | 0.0 | 588.0 |
| 1963 | 0.0 | 0.0 | 0.0 | 24.0 | 6.0 | 34.0 | 61.0 | 16.0 | 119.0 | 105.0 | 24.0 | 4.0 | 0.0 | 588.0 |
| 1964 | 0.0 | 0.0 | 0.0 | 18.0 | 7.0 | 0.0 | -1.0 | -1.0 | 61.0 | 7.0 | -1.0 | 0.0 | -1.0 | -1.0 |
| 1965 | 0.0 | 0.0 | 0.0 | 0.0 | 61.0 | 52.0 | 36.0 | 120.0 | 140.0 | 16.0 | -1.0 | 18.0 | -40.0 | -1.0 |
| 1966 | 0.0 | 0.0 | 0.0 | 0.0 | 85.0 | 10.0 | 166.0 | 68.0 | 51.0 | 23.0 | 8.0 | 12.0 | 25.0 | 448.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 3.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 113.0 |
| MAX | 41.0 | 47.0 | 67.0 | 123.0 | 282.0 | 423.0 | 257.0 | 193.0 | 206.0 | 108.0 | 81.0 | 40.0 | 859.0 | |
| PRCM | 2.0 | 2.0 | 7.0 | 21.0 | 74.0 | 102.0 | 77.0 | 69.0 | 31.0 | 17.0 | 16.0 | 4.0 | 4.0 | 420.0 |
| DESV | 2.0 | 3.0 | 1.0 | 2.0 | 6.0 | 6.0 | 6.0 | 5.0 | 3.0 | 2.0 | 1.0 | 1.0 | 1.0 | 156.0 |
| CV | 2.0 | 3.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 0.4 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONECTADOS

PRECIPITACIONES (MM)

 ZCNA 5 HOYA 309 RAPEL SUP 14503 (KM2)
 EST 16 RANCAGUA MEKIS
 LAT 3410 LON 7045 ALT 509 (MTS)

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|------|-------|-------|-------|-------|-------|------|------|------|-------|
| 1953 | 9.0 | 4.0 | 14.0 | 58.0 | 134.0 | 24.0 | 124.0 | 186.0 | 161.0 | 35.0 | 0.0 | 0.0 | 745.0 |
| 1954 | 0.0 | 5.3 | 0.0 | 69.0 | 80.0 | 126.0 | 80.0 | 24.0 | 7.0 | 4.2 | 0.0 | 8.5 | 404.0 |
| 1958 | 0.0 | 0.0 | -1.0 | -1.0 | 130.0 | 139.0 | 8.0 | 72.0 | 17.0 | -1.0 | -1.0 | 0.0 | -1.0 |
| 1959 | 3.0 | 0.0 | 15.0 | 85.0 | 57.0 | 129.0 | 131.0 | 58.0 | 29.0 | 19.0 | 0.0 | 0.0 | 526.0 |
| 1960 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1961 | 20.0 | 0.0 | -1.0 | 0.0 | 26.0 | 130.0 | 44.0 | 79.0 | 47.0 | 12.0 | 0.0 | 9.0 | -1.0 |
| 1962 | 0.0 | 0.0 | 0.0 | 4.0 | 23.0 | 144.0 | 15.0 | 21.0 | 10.0 | 27.0 | 2.0 | 0.0 | 246.0 |
| 1963 | 0.0 | 0.0 | 21.0 | 3.0 | 30.0 | 55.0 | 166.0 | 119.0 | 108.0 | 28.0 | 49.0 | 0.0 | 579.0 |
| 1964 | 0.0 | 0.0 | 13.0 | 7.0 | 0.0 | 66.0 | 48.0 | 97.0 | 3.0 | 6.0 | 0.0 | -1.0 | -1.0 |
| 1965 | 0.0 | 0.0 | 0.0 | 59.0 | 77.0 | 54.0 | 150.0 | 204.0 | 12.0 | 47.0 | 17.0 | 36.0 | 656.0 |
| 1966 | 0.0 | 0.0 | 0.0 | 73.0 | 10.0 | 227.0 | 119.0 | 56.0 | 28.0 | 8.0 | 12.0 | 28.0 | 561.0 |
| 1967 | 0.0 | 0.0 | 0.0 | 2.1 | 35.0 | 53.0 | 136.0 | 29.0 | 35.0 | 16.0 | 14.0 | 0.0 | 320.1 |
| 1968 | 0.0 | 0.0 | 10.2 | 13.6 | 0.0 | 11.8 | 7.3 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.8 | 7.3 | 21.0 | 3.0 | 4.2 | 0.0 | 0.0 | 246.0 |
| MAX | 20.0 | 5.3 | 21.0 | 85.0 | 134.0 | 227.0 | 166.0 | 204.0 | 161.0 | 47.0 | 49.0 | 36.0 | 745.0 |
| PROM | 2.7 | 0.8 | 7.3 | 34.0 | 50.2 | 96.6 | 85.7 | 85.9 | 41.5 | 20.2 | 9.4 | 8.1 | 504.6 |
| DESV | 6.1 | 1.8 | 8.2 | 24.2 | 46.4 | 62.5 | 58.9 | 62.0 | 49.2 | 13.9 | 15.5 | 13.2 | 169.4 |
| CV | 2.3 | 2.4 | 1.1 | 1.0 | 0.9 | 0.6 | 0.7 | 0.7 | 1.2 | 0.7 | 1.6 | 1.6 | 0.3 |

510.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZGNA 5 HOYA 309 RAPEL SUP 14503 (KM2)

EST 17 RANCAGUA CLIMAT

LAT 3410 LON 7045 ALT 500 (MTS)

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|------|------|------|-------|-------|------|------|------|------|-------|
| 1964 | 0.0 | 0.0 | 16.0 | 9.0 | 0.0 | 65.0 | 40.0 | 99.0 | 4.0 | 4.0 | 0.0 | 36.0 | 273.0 |
| 1965 | 0.0 | 0.0 | 0.3 | 60.0 | 51.0 | 35.0 | 61.0 | 143.0 | 15.0 | 40.0 | 16.0 | 28.0 | 449.0 |
| 1966 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1967 | 1.1 | 0.0 | 0.0 | 1.2 | 31.0 | 54.0 | 103.0 | 22.0 | 20.0 | 12.0 | 11.0 | 0.0 | 255.3 |
| 1968 | 0.0 | 0.0 | 8.7 | 12.2 | 0.0 | 10.4 | 3.6 | 10.6 | 29.0 | 0.0 | 7.5 | 0.0 | 82.0 |
| MIN | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 10.4 | 3.6 | 10.6 | 4.0 | 0.0 | 0.0 | 0.0 | 82.0 |
| MAX | 1.1 | 0.0 | 16.0 | 60.0 | 51.0 | 65.0 | 103.0 | 143.0 | 29.0 | 40.0 | 16.0 | 36.0 | 449.0 |
| PROM | 0.3 | 0.0 | 6.2 | 20.6 | 20.5 | 41.1 | 51.9 | 68.6 | 17.0 | 14.0 | 8.6 | 16.0 | 264.8 |
| DESV | 0.5 | 0.0 | 7.6 | 26.7 | 25.0 | 23.9 | 41.5 | 63.2 | 10.4 | 18.0 | 6.7 | 18.8 | 150.0 |
| CV | 2.0 | -1.0 | 1.2 | 1.3 | 1.2 | 0.6 | 0.8 | 0.9 | 0.6 | 1.3 | 0.8 | 1.2 | 0.6 |

511.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 5

HCOYA 309 RAPEL S E RANCAGLA SLP 14503 (KM2)

EST 1E S E RANCAGLA PRCP END TIPO PV

LAT 3410 LON 7045 ALT 500 (MTS)

| ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ANC | ENE | FEB | MAR | APR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT | ***** | ***** | ***** | ***** | |
| 1953 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 28.5 | 107.5 | 178.5 | 153.5 | 27.0 | 0.0 | 0.0 | -1.0 | ***** | ***** | ***** | ***** | |
| 1954 | 0.0 | 11.0 | 0.0 | 59.5 | 82.5 | 128.5 | 76.0 | 118.0 | 55.5 | 32.0 | 0.0 | 0.0 | 384.0 | ***** | ***** | ***** | ***** | |
| 1955 | 0.0 | 0.0 | 0.0 | 13.5 | 36.0 | 118.5 | 57.0 | 44.5 | 22.0 | 32.5 | 0.0 | 0.0 | 331.5 | ***** | ***** | ***** | ***** | |
| 1956 | 23.5 | 0.0 | 64.5 | 31.5 | 35.0 | 19.0 | 134.0 | 141.5 | 24.0 | 7.0 | 0.0 | 0.0 | 509.2 | ***** | ***** | ***** | ***** | |
| 1957 | 22.0 | 2.0 | 0.0 | 9.0 | 309.0 | 24.6 | 61.0 | 33.0 | 19.1 | 0.0 | 0.0 | 17.0 | 485.2 | ***** | ***** | ***** | ***** | |
| 1958 | 0.0 | 0.0 | 0.0 | 1.0 | 171.1 | 105.5 | 9.0 | 76.0 | 21.0 | 5.0 | 0.0 | 0.0 | 398.7 | ***** | ***** | ***** | ***** | |
| 1959 | 2.0 | 0.0 | 11.0 | 73.8 | 66.0 | 126.5 | 109.0 | 41.0 | 25.0 | 22.0 | 0.0 | 0.0 | 477.8 | ***** | ***** | ***** | ***** | |
| 1960 | -1.0 | -1.0 | 0.0 | 4.0 | -1.0 | 90.0 | 89.0 | 27.0 | 16.0 | 6.0 | 0.0 | 0.0 | -1.0 | ***** | ***** | ***** | ***** | |
| 1961 | 0.0 | 0.0 | 38.5 | 0.0 | 2.6 | 133.0 | 0.0 | 79.0 | 42.0 | 0.0 | 0.0 | 0.0 | 326.5 | ***** | ***** | ***** | ***** | |
| 1962 | 0.0 | 0.0 | 0.0 | 2.0 | 19.5 | 171.0 | 30.1 | 19.0 | 9.0 | 27.5 | 4.0 | 0.0 | 128.7 | ***** | ***** | ***** | ***** | |
| 1963 | 0.0 | 0.0 | 0.0 | 6.0 | 34.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | ***** | ***** | ***** | ***** | |
| 1964 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | ***** | ***** | ***** | ***** | |
| 1965 | 0.0 | 0.0 | 0.0 | 62.0 | 71.5 | 46.5 | 140.0 | 209.5 | 10.5 | 46.5 | 17.5 | 39.5 | 643.5 | ***** | ***** | ***** | ***** | |
| 1966 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | ***** | ***** | ***** | ***** | |
| 1967 | 0.0 | 0.0 | 0.0 | 2.0 | 36.0 | 52.5 | 134.0 | 28.5 | 34.5 | 15.5 | 12.0 | 0.0 | 315.0 | ***** | ***** | ***** | ***** | |
| 1968 | 0.0 | 0.0 | 10.0 | 14.0 | 0.0 | 11.5 | 8.0 | 10.7 | 24.4 | 0.5 | 2.9 | 0.0 | 82.4 | ***** | ***** | ***** | ***** | |
| ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.5 | 0.0 | 10.7 | 5.5 | 0.0 | 0.0 | 0.0 | 82.4 | ***** | ***** | ***** | ***** | |
| MAX | 23.5 | 11.0 | 64.5 | 73.8 | 309.0 | 171.0 | 140.0 | 209.5 | 153.5 | 46.5 | 17.5 | 39.5 | 643.5 | ***** | ***** | ***** | ***** | |
| PRCM | 22.0 | 1.1 | 5.5 | 21.4 | 75.0 | 81.0 | 73.6 | 71.1 | 31.3 | 15.8 | 3.9 | 5.7 | 371.1 | ***** | ***** | ***** | ***** | |
| DESV | 6.7 | 3.2 | 19.7 | 26.4 | 85.4 | 52.0 | 50.0 | 64.0 | 38.1 | 15.7 | 5.6 | 11.2 | 163.5 | ***** | ***** | ***** | ***** | |
| CV | 2.9 | 2.9 | 2.1 | 1.2 | 1.1 | 0.7 | 0.7 | 0.5 | 1.2 | 1.0 | 1.4 | 2.0 | 0.4 | ***** | ***** | ***** | ***** | |

512.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORRIJOS

PRECIPITACIONES (MM)

 ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)
 EST 19 EL MANZANO ENDESA
 LAT 3410 LON 7123

 ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT

 1958 -1.0 -1.0 -1.0 -1.0 -1.0 11.5 -1.0 201.4 79.4 -1.0 -1.0 -1.0 -1.0
 1959 -1.0 -1.0 -1.0 99.7 0.0 124.8 102.5 55.9 33.4 23.0 0.0 0.0 -1.0
 1960 0.0 0.0 0.0 0.0 31.5 96.7 107.3 62.2 42.4 19.9 -1.0 -1.0 -1.0

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*****
PRECIPITACIONES (MM)
*****
ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)
EST 22 PARRON
LAT 3412 LON 7030
*****
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
*****
1968 0.0 0.0 13.7 31.4 0.0 12.3 -1.0 5.2 35.9 0.5 5.6 0.3 -1.0
*****

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PRECIPITACIONES (MM)

ZONA 5 HCYA 309 RAPEL SUP 14503 (KM2)

EST 23 CCYA 3 PRCP OMC TIPC PV

LAT 2412 LCN 7033 ALT 785 (FTS)

| ANC | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TCT |
|------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|
| 1921 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 31.0 | 2.6 | 0.0 | 0.0 | -1.0 |
| 1922 | 1.2 | 0.0 | 27.1 | 0.0 | 56.2 | 287.3 | 65.1 | 122.8 | 42.3 | 41.9 | 0.0 | 0.0 | 653.9 |
| 1923 | 1.5 | 0.0 | 0.0 | 0.0 | 14.2 | 19.5 | 214.8 | 166.8 | 11.0 | 56.3 | 18.8 | 0.0 | 678.6 |
| 1924 | 0.0 | 0.0 | 13.7 | 0.0 | 16.5 | 50.4 | 35.0 | 19.0 | 5.4 | 1.8 | 0.0 | 0.0 | 142.6 |
| 1925 | 0.0 | 14.2 | 0.0 | 6.4 | 83.4 | 28.4 | 88.8 | 5.6 | 429.0 | 4.7 | 11.4 | 0.0 | 671.9 |
| 1926 | 0.0 | 3.2 | 9.9 | 0.0 | 57.2 | 620.8 | 479.7 | 83.9 | 9.5 | 24.1 | 0.0 | 6.7 | 1305.0 |
| 1927 | 0.0 | 0.0 | 0.0 | 0.0 | 263.3 | 207.6 | 214.0 | 57.1 | 152.9 | 3.5 | 34.3 | 0.0 | 933.3 |
| 1928 | 0.0 | 13.6 | 0.0 | 41.5 | 210.1 | 224.6 | 37.2 | 13.0 | 24.9 | 3.3 | 7.5 | 0.0 | 693.0 |
| 1929 | 28.0 | 0.0 | 0.0 | 0.0 | 123.0 | 209.6 | 37.0 | 344.0 | 71.0 | 9.0 | 5.0 | 61.0 | 887.0 |
| 1930 | 0.0 | 0.0 | 3.0 | 17.0 | 23.0 | 361.0 | 228.0 | 229.0 | 37.0 | 186.0 | 98.0 | 5.0 | 1309.0 |
| 1931 | 56.0 | 2.0 | 0.0 | 25.0 | 49.0 | 148.0 | 225.7 | 103.0 | 65.0 | 18.0 | 71.0 | 0.0 | 794.0 |
| 1932 | 0.0 | 0.0 | 3.0 | 17.0 | 62.0 | 189.0 | 223.4 | 174.0 | 31.0 | 35.0 | 0.0 | 35.0 | 810.0 |
| 1933 | 84.0 | 26.0 | 0.0 | 0.0 | 174.0 | 209.0 | 225.5 | 174.0 | 28.0 | -1.0 | 0.0 | -1.0 | -1.0 |
| 1934 | 0.0 | 0.0 | 20.0 | 0.0 | 509.0 | 433.0 | 444.0 | 33.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1935 | 0.0 | 0.0 | 0.0 | 32.0 | 69.0 | 172.0 | 75.0 | 84.0 | 77.0 | 41.0 | 2.0 | 0.0 | 552.0 |
| 1936 | 0.0 | 0.0 | 0.0 | 74.0 | 364.0 | 150.0 | 125.0 | 85.0 | 44.0 | 0.0 | 5.0 | 17.0 | 869.0 |
| 1937 | 0.0 | 7.0 | 0.0 | 0.0 | 159.0 | 138.0 | 306.0 | 139.0 | 57.0 | 28.0 | 28.0 | 0.0 | 862.0 |
| 1938 | 0.0 | 11.0 | 97.0 | 4.0 | 189.0 | 79.0 | 60.0 | 5.0 | 5.0 | 22.0 | 17.0 | 0.0 | 402.0 |
| 1939 | 1.0 | 0.0 | 0.0 | 0.0 | 156.0 | 159.0 | 43.0 | 84.0 | 23.0 | 56.0 | 1.0 | 5.0 | 575.0 |
| 1940 | 0.0 | 5.0 | 0.0 | 33.0 | 108.0 | 153.0 | 399.0 | 35.0 | 41.0 | 13.0 | 31.0 | 0.0 | 863.0 |
| 1941 | 0.0 | 0.0 | 25.0 | 216.0 | 186.0 | 224.0 | 33.0 | 273.0 | 10.0 | 53.0 | 145.0 | 8.0 | 1553.0 |
| 1942 | 0.0 | 0.0 | 0.0 | 0.0 | 47.0 | 114.0 | 123.0 | 219.0 | 16.0 | 37.0 | 78.0 | 0.0 | 634.0 |
| 1943 | 0.0 | 0.0 | 43.0 | 20.0 | 73.0 | 111.0 | 73.0 | 51.0 | 66.0 | 23.0 | 5.0 | 0.0 | 465.0 |
| 1944 | 27.0 | 18.0 | 0.0 | 9.0 | 172.7 | 208.4 | 222.2 | 386.6 | 10.1 | 24.4 | 11.9 | 0.0 | 903.3 |
| 1945 | 0.0 | 97.0 | 19.9 | 30.4 | 9.5 | 0.0 | 84.0 | 97.0 | 49.0 | 2.7 | 16.2 | 0.0 | 407.5 |
| 1946 | 72.7 | 0.0 | 0.0 | 21.2 | 42.6 | 3.9 | 59.0 | 39.0 | 7.0 | 39.3 | 0.0 | 0.0 | 349.6 |
| 1947 | 0.0 | 0.0 | 26.3 | 26.0 | 46.1 | 195.4 | 338.2 | 107.6 | 39.9 | 33.9 | 0.7 | 0.0 | 493.1 |
| 1948 | 0.0 | 4.6 | 73.0 | 10.2 | 105.3 | 73.3 | 401.0 | 26.3 | 80.0 | 21.2 | 0.0 | 13.7 | 790.6 |
| 1949 | 0.0 | 0.0 | 0.0 | 414.1 | 110.0 | 110.0 | 20.0 | 69.8 | 5.4 | 0.0 | 0.0 | 0.0 | 669.6 |
| 1950 | 0.0 | 0.0 | 10.9 | 112.0 | 189.1 | 70.1 | 14.0 | 164.8 | 59.1 | 19.8 | 59.6 | 0.0 | 699.9 |
| 1951 | 0.0 | 0.0 | 0.0 | 16.2 | 119.5 | 223.2 | 162.0 | 40.4 | 99.8 | 0.0 | 10.2 | 0.0 | 677.3 |
| 1952 | 0.0 | 4.0 | 0.0 | 0.0 | 225.7 | 171.4 | 83.0 | 39.8 | 4.0 | 41.0 | -1.0 | 0.0 | -1.0 |
| 1953 | 6.8 | 0.0 | 12.0 | 56.1 | 228.9 | 151.0 | 171.1 | 314.4 | 356.1 | -1.0 | 0.0 | 0.0 | -1.0 |
| 1954 | 0.0 | 0.8 | 0.0 | 61.1 | 135.6 | 192.0 | 121.5 | 14.3 | 6.8 | 8.9 | 0.0 | 12.1 | 567.3 |
| 1955 | 0.0 | 0.0 | 0.0 | 28.0 | 50.5 | 194.2 | 55.5 | 41.6 | 5.0 | 20.0 | 5.0 | 17.6 | 417.1 |
| 1956 | 24.4 | 0.0 | 71.8 | 52.0 | 67.1 | 57.6 | 145.5 | 120.9 | 20.0 | 5.0 | 2.0 | 0.0 | 557.9 |
| 1957 | -1.0 | -1.0 | -1.0 | -1.0 | 243.3 | 277.8 | 103.3 | 77.0 | 21.0 | 0.0 | 0.0 | -1.0 | -1.0 |
| 1958 | 0.0 | 0.0 | 0.0 | 0.0 | 162.3 | 277.8 | 2.6 | 166.2 | 29.6 | 1.6 | 18.1 | -1.0 | 659.7 |
| 1959 | 1.5 | 0.0 | 12.4 | 139.5 | 118.0 | 150.0 | 156.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1960 | 0.0 | 0.0 | 0.0 | 6.5 | 60.0 | 175.4 | 116.0 | 39.8 | 3.3 | 0.0 | 0.0 | 0.0 | 441.2 |
| 1961 | -38.8 | 0.0 | 0.0 | 0.0 | 58.0 | 188.1 | 78.0 | 151.0 | 9.5 | 0.0 | 0.0 | -1.0 | -1.0 |
| 1962 | -1.0 | 0.0 | -1.0 | -1.0 | -1.0 | 188.1 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1963 | 1.6 | 0.0 | 23.0 | 18.6 | 69.4 | 94.0 | 330.0 | 180.8 | 15.0 | 4.0 | 67.0 | 0.0 | 985.9 |
| 1964 | 0.0 | 0.0 | 4.0 | 4.0 | 0.0 | 117.0 | 91.0 | 141.0 | 0.0 | 0.0 | 4.0 | 4.0 | 409.8 |
| 1965 | 0.0 | 0.0 | 0.0 | 145.0 | 82.0 | 61.0 | 164.0 | 260.0 | 25.0 | 75.0 | -1.0 | -1.0 | -1.0 |

| *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** | *** |
|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|-----|-----|-----|-----|
| ANU | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AGO | SEP | OCT | NOV | DIC | ICI | II | III | IV | |
| 1966 | 0.0 | 0.0 | 2.5 | 93.0 | 13.0 | 258.0 | 172.0 | 112.0 | 26.0 | 27.0 | 26.0 | 30.0 | 758.0 | | | | |
| 1967 | 2.1 | 0.0 | 0.0 | 2.4 | 74.0 | 220.0 | 220.0 | 36.0 | 52.0 | 18.0 | 9.4 | 0.0 | 457.0 | | | | |
| 1968 | 0.0 | 0.0 | 7.5 | 24.3 | 0.0 | 14.5 | 7.7 | 23.5 | 40.0 | 1.0 | 1.5 | 2.0 | 122.0 | | | | |
| MIA | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 5.0 | 0.8 | 0.0 | 0.0 | 0.0 | 122.0 | | | | |
| MAX | 84.0 | 97.0 | 97.0 | 216.0 | 509.0 | 620.8 | 479.7 | 286.6 | 429.0 | 186.0 | 145.0 | 41.0 | 1557.6 | | | | |
| PRCM | 7.9 | 5.6 | 13.0 | 32.1 | 121.9 | 164.9 | 142.5 | 118.0 | 57.0 | 25.5 | 18.4 | 7.5 | 484.7 | | | | |
| PRSV | 12.5 | 16.4 | 23.1 | 47.2 | 109.2 | 118.5 | 118.2 | 101.0 | 82.3 | 21.5 | 21.1 | 15.3 | 204.0 | | | | |
| CV | 2.5 | 2.9 | 1.8 | 1.5 | 0.9 | 0.7 | 0.8 | 0.9 | 1.4 | 1.2 | 1.7 | 2.0 | 0.4 | | | | |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCENDIENTES

PRECIPITACIONES (MM)

ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)

EST 25 LA ESTRELLA

LAT 3412 LON 7140

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|------|-------|-------|-------|-------|-------|------|------|------|-------|
| 1954 | 0.0 | 0.0 | 0.0 | -1.0 | 53.0 | 227.0 | 99.0 | 66.0 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 |
| 1955 | 0.0 | 0.0 | 0.0 | 6.0 | 57.0 | 71.0 | 5.0 | 75.0 | 11.0 | 9.0 | 9.0 | 15.0 | 258.0 |
| 1956 | 9.0 | 0.0 | 62.0 | 40.0 | 50.0 | 86.0 | 165.0 | 128.0 | 14.0 | 6.0 | 0.0 | 0.0 | 560.0 |
| 1957 | 0.0 | 0.0 | 0.0 | 20.0 | 226.0 | 30.0 | 107.0 | 32.0 | 6.5 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1958 | 0.0 | 0.0 | 0.0 | 7.0 | 173.0 | 147.0 | 7.0 | 223.0 | 83.0 | 0.0 | 8.0 | 0.0 | 648.0 |
| 1959 | 29.0 | 2.0 | 19.0 | 92.0 | 46.5 | 169.5 | 180.5 | 73.0 | 43.0 | 23.5 | 0.0 | 0.0 | 678.0 |
| 1960 | 0.0 | 0.0 | 0.0 | 0.0 | 45.0 | 113.0 | 84.0 | 54.0 | 31.0 | 31.5 | -1.0 | -1.0 | -1.0 |
| 1961 | -1.0 | -1.0 | -1.0 | -1.0 | 29.0 | -1.0 | -1.0 | 162.5 | 118.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1962 | -1.0 | -1.0 | 6.0 | -1.0 | -1.0 | 222.0 | 7.0 | 50.5 | 19.0 | 11.0 | -1.0 | -1.0 | -1.0 |
| 1963 | 0.0 | 0.0 | 64.0 | 0.0 | 106.0 | 134.0 | 166.0 | 180.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1964 | 0.0 | 0.0 | 0.0 | 0.0 | 74.0 | 43.0 | 106.0 | 172.0 | 4.5 | 0.0 | 12.0 | 19.5 | 431.0 |
| 1965 | 0.0 | 0.0 | 0.0 | 42.0 | 99.0 | 49.5 | 287.5 | 334.5 | 10.0 | 37.0 | 9.0 | 5.0 | 871.5 |
| 1966 | 0.0 | 0.0 | 0.0 | 56.5 | 26.0 | 529.0 | 137.0 | 43.0 | 4.0 | 11.0 | 0.0 | 35.0 | 841.5 |
| 1967 | 2.0 | 0.0 | 0.0 | 2.0 | 81.0 | 55.0 | 170.0 | 18.0 | 31.0 | 5.0 | 4.0 | 0.0 | 368.0 |
| 1968 | 0.0 | 0.0 | 9.6 | 17.6 | 0.0 | 11.7 | 10.2 | 19.3 | 23.5 | 1.0 | 3.9 | 4.3 | 101.1 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.7 | 5.0 | 18.0 | 4.0 | 0.0 | 0.0 | 0.0 | 101.1 |
| MAX | 29.0 | 2.0 | 64.0 | 92.0 | 226.0 | 529.0 | 287.5 | 334.5 | 118.0 | 37.0 | 12.0 | 35.0 | 871.5 |
| PROM | 3.1 | 0.2 | 11.5 | 23.6 | 76.1 | 134.8 | 109.4 | 108.7 | 30.7 | 11.3 | 4.6 | 7.9 | 528.6 |
| DESV | 8.2 | 0.6 | 22.5 | 28.8 | 60.3 | 132.4 | 83.2 | 90.0 | 33.9 | 12.7 | 4.6 | 11.8 | 260.9 |
| CV | 2.7 | 3.6 | 2.0 | 1.2 | 0.8 | 1.0 | 0.8 | 0.8 | 1.1 | 1.1 | 1.0 | 1.5 | 0.5 |

NCTA=VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

| ***** | | | | | | | | | | | | | |
|-------|------|------|------|------|-------|------|-------|-------|------|------|------|-----|---------------------|
| ZONA | 5 | | | | | | | | | | | | HOYA 309 RAPEL |
| | | | | | | | | | | | | | SUP 14503 (KM2) |
| | | | | | | | | | | | | | EST 26 LOS COLIGUES |
| | | | | | | | | | | | | | LAT 3414 LON 7043 |
| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
| ***** | | | | | | | | | | | | | |
| 1947 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 81.0 | 24.0 | 18.0 | 0.0 | 0.0 | -1.0 |
| 1948 | 0.0 | 0.0 | 0.0 | 52.0 | 78.0 | 64.0 | 252.0 | 13.0 | 54.0 | 17.0 | 0.0 | 0.0 | 530.0 |
| 1949 | 0.0 | 0.0 | 28.0 | 0.0 | 286.0 | 84.0 | 20.0 | 55.0 | 8.0 | 0.0 | 0.0 | 2.0 | 483.0 |
| 1950 | 0.0 | 0.0 | 15.0 | 91.0 | 142.0 | 48.0 | 7.0 | 104.0 | 71.0 | 26.0 | 42.0 | 0.0 | 546.0 |
| ***** | | | | | | | | | | | | | |

PRECIPITACIONES (MM)

ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)

EST 27 PANGAL CASA FUERZA

LAT 3415 LON 7020 ALT 920 (MTS)

| ANC | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|
| 1921 | 0.1 | 0.4 | 16.5 | 40.0 | 412.3 | 111.8 | 46.0 | 108.7 | 34.5 | 13.0 | 0.1 | 0.0 | 784.0 |
| 1922 | 6.2 | 0.0 | 49.3 | 0.0 | 51.6 | 323.3 | 66.1 | 156.3 | 61.8 | 42.7 | 0.0 | 0.0 | 751.3 |
| 1923 | 1.5 | 3.2 | 0.0 | 0.9 | 19.4 | 204.3 | 225.7 | 198.7 | 19.5 | 125.9 | 25.0 | 1.3 | 825.4 |
| 1924 | 0.0 | 0.0 | 20.5 | 1.9 | 25.2 | 65.3 | 42.3 | 18.4 | 7.8 | 0.0 | 0.0 | 0.0 | 181.4 |
| 1925 | 0.0 | 27.5 | 1.3 | 4.5 | 96.7 | 28.0 | 102.0 | 11.4 | 457.1 | 7.3 | 19.2 | 0.0 | 755.6 |
| 1926 | 0.0 | 8.7 | 15.5 | 0.0 | 68.2 | 599.7 | 478.3 | 102.5 | 17.8 | 33.3 | 0.0 | 7.6 | 1331.6 |
| 1927 | 0.0 | 0.0 | 0.0 | 0.2 | 221.9 | 254.3 | 203.7 | 57.0 | 188.1 | 13.0 | 41.8 | 3.5 | 983.5 |
| 1928 | 0.0 | 19.9 | 0.0 | 34.3 | 198.4 | 314.1 | 57.4 | 21.1 | 23.0 | 0.0 | 5.5 | 0.0 | 673.7 |
| 1929 | 32.0 | 0.0 | 0.0 | 0.0 | 142.0 | 243.0 | 18.0 | 340.0 | 75.0 | 15.0 | 7.0 | 48.0 | 920.0 |
| 1930 | 0.0 | 0.0 | 1.0 | 8.0 | 43.0 | 390.0 | 325.0 | 303.0 | 54.0 | 153.0 | 149.0 | 20.0 | 1440.0 |
| 1931 | 51.0 | 0.0 | 0.0 | 40.0 | 34.0 | 176.0 | 270.0 | 115.0 | 60.0 | 12.0 | 64.0 | 0.0 | 822.0 |
| 1932 | 0.0 | 0.0 | 24.0 | 15.0 | 66.0 | 164.0 | 207.0 | 181.0 | 29.0 | 44.0 | 0.0 | 50.0 | 780.0 |
| 1933 | 98.0 | 39.0 | 0.0 | 0.0 | 183.0 | 102.0 | 97.0 | 133.0 | 30.0 | -1.0 | 0.0 | -1.0 | -1.0 |
| 1934 | 4.0 | 0.0 | 31.0 | 0.0 | 508.0 | 384.0 | 53.0 | 36.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1935 | 0.0 | 0.0 | 0.0 | 42.0 | 57.0 | 160.0 | 49.0 | 98.0 | 94.0 | 58.0 | 3.0 | 0.0 | 567.0 |
| 1936 | 0.0 | 0.0 | 3.0 | 79.0 | 342.0 | 198.0 | 145.0 | 97.0 | 42.0 | 4.0 | 8.0 | 16.0 | 934.0 |
| 1937 | 0.0 | 4.0 | 0.0 | 0.0 | 153.0 | 151.0 | 314.0 | 181.0 | 60.0 | 40.0 | 46.0 | 0.0 | 949.0 |
| 1938 | 0.0 | 13.0 | 88.0 | 9.0 | 96.0 | 71.0 | 50.0 | 15.0 | 7.0 | 43.0 | 25.0 | 0.0 | 417.0 |
| 1939 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 151.0 | 42.0 | 83.0 | 43.0 | 78.0 | 7.0 | 50.0 | 614.0 |
| 1940 | 0.0 | 60.0 | 0.0 | 30.0 | 98.0 | 152.0 | 384.0 | 44.0 | 61.0 | 23.0 | 35.0 | 1.0 | 880.0 |
| 1941 | 0.0 | 0.0 | 46.0 | 273.0 | 201.0 | 237.0 | 351.0 | 274.0 | 29.0 | 81.0 | 171.0 | 6.0 | 1669.0 |
| 1942 | 0.0 | 0.0 | 0.0 | 0.0 | 60.0 | 116.0 | 123.0 | 219.0 | 22.0 | 35.0 | 86.0 | 0.0 | 661.0 |
| 1943 | 0.0 | 0.0 | 50.0 | 23.0 | 101.0 | 132.0 | 98.0 | 52.0 | 94.0 | 25.0 | 9.0 | 1.0 | 585.0 |
| 1944 | 57.0 | 23.0 | 0.0 | 14.0 | 190.2 | 251.5 | 32.7 | 478.9 | 16.0 | 42.2 | 13.7 | 0.0 | 1119.2 |
| 1945 | 3.0 | 146.9 | 30.3 | 37.0 | 15.0 | 2.0 | 105.9 | 116.1 | 58.0 | 3.6 | 25.3 | 0.0 | 543.1 |
| 1946 | 78.4 | 0.0 | 0.0 | 27.3 | 52.5 | 44.9 | 88.6 | 39.3 | 4.5 | 32.4 | 2.0 | 0.0 | 309.9 |
| 1947 | 0.0 | 0.0 | 2.0 | 31.3 | 60.8 | 215.7 | 42.4 | 160.2 | 31.7 | 40.6 | 0.0 | 0.0 | 584.7 |
| 1948 | 0.0 | 4.0 | 10.2 | 72.2 | 106.7 | 58.7 | 379.2 | 61.1 | 91.4 | 25.4 | 0.0 | 0.3 | 815.2 |
| 1949 | 4.0 | 0.0 | 39.5 | 0.0 | 357.0 | 116.6 | 26.0 | 59.1 | 7.7 | 1.0 | 1.1 | 35.0 | 647.0 |
| 1950 | 0.0 | 0.3 | 14.4 | 103.8 | 209.2 | 68.1 | 6.7 | 178.2 | 80.4 | 29.8 | 71.7 | 0.0 | 702.6 |
| 1951 | 0.4 | 0.0 | 0.0 | 18.1 | 118.8 | 207.7 | 185.8 | 55.1 | 103.2 | 2.4 | 19.4 | 0.0 | 710.9 |
| 1952 | 0.0 | 4.9 | 0.7 | 0.0 | 209.4 | 183.2 | 71.1 | 42.9 | 34.7 | 73.1 | 20.2 | 0.0 | 640.2 |
| 1966 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 43.7 | -1.0 |
| 1967 | 0.0 | 0.0 | 0.0 | 0.1 | 75.9 | 47.1 | 132.0 | 25.6 | 42.0 | 33.7 | 11.5 | 0.0 | 367.9 |
| 1968 | 0.0 | 0.0 | 17.4 | 28.7 | 0.0 | 22.1 | 7.9 | 26.2 | 65.5 | 2.0 | 5.1 | 5.9 | 180.8 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 6.7 | 11.4 | 4.5 | 0.0 | 0.0 | 0.0 | 180.8 |
| MAX | 98.0 | 146.9 | 88.0 | 273.0 | 508.0 | 599.7 | 478.3 | 478.9 | 457.1 | 153.0 | 171.0 | 50.0 | 1669.0 |
| PROM | 9.9 | 10.4 | 13.5 | 27.4 | 137.4 | 174.9 | 141.9 | 120.2 | 62.0 | 35.4 | 26.4 | 8.8 | 754.6 |
| DESV | 24.2 | 27.5 | 20.7 | 50.3 | 119.2 | 124.6 | 127.6 | 106.3 | 80.1 | 35.6 | 41.0 | 16.5 | 324.9 |
| CV | 2.5 | 2.6 | 1.5 | 1.8 | 0.9 | 0.7 | 0.9 | 0.9 | 1.3 | 1.0 | 1.6 | 1.9 | 0.4 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

FRECIPIITACIONES (MM)

ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)

EST 28 SAUZAL PTA ENDESA
LAT 3415 LON 7C38 ALT 702 (MTS)

ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|--------|
| 1952 | 0.0 | 4.7 | 1.0 | 192.9 | 167.1 | 113.6 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 0.0 | -1.0 |
| 1953 | 4.8 | 0.0 | 19.3 | 48.4 | 175.3 | 44.0 | 167.1 | 277.4 | 260.2 | 45.9 | 0.0 | 0.0 | 1042.4 |
| 1954 | 0.0 | 5.5 | 0.0 | 72.0 | 107.2 | 201.0 | 104.4 | 20.1 | 12.0 | 6.4 | 0.0 | 10.0 | 538.6 |
| 1955 | 0.0 | 0.0 | 0.0 | 19.8 | 58.6 | 240.6 | 49.3 | 49.5 | 22.1 | 28.5 | 4.5 | 18.6 | 491.5 |
| 1956 | 19.1 | 0.0 | 78.3 | 57.5 | 60.7 | 9.1 | 139.2 | 115.0 | 20.8 | 6.8 | 4.9 | 1.0 | 512.4 |
| 1957 | 12.0 | 0.8 | 0.0 | 8.0 | 214.3 | 63.4 | 96.5 | 57.9 | 23.5 | 0.9 | 0.0 | 20.9 | 498.2 |
| 1958 | 0.0 | 0.0 | 0.0 | 0.0 | 196.4 | 143.9 | 5.0 | 110.4 | 22.7 | 4.7 | 19.0 | 0.0 | 502.1 |
| 1959 | 2.1 | 0.0 | 9.3 | 117.9 | 85.7 | 184.5 | 164.6 | 57.7 | 28.5 | 31.6 | 0.0 | 0.0 | 681.9 |
| 1960 | 0.0 | 0.0 | 0.0 | 13.0 | 31.5 | 116.1 | 131.2 | 55.4 | 23.7 | 11.5 | 0.0 | 0.0 | 382.4 |
| 1961 | 14.8 | 0.0 | 84.0 | 0.0 | 44.0 | 177.6 | 71.3 | 140.3 | 71.8 | 17.4 | 0.0 | 0.0 | 621.2 |
| 1962 | 0.0 | 0.0 | 0.0 | 3.0 | 29.3 | 243.0 | 28.4 | 23.9 | 17.0 | 65.8 | 8.5 | 1.8 | 420.7 |
| 1963 | -1.0 | -1.0 | 24.7 | 18.5 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 51.0 | 78.8 | -1.0 | -1.0 |
| 1964 | 0.0 | -1.0 | -1.0 | -1.0 | 0.0 | 78.8 | -1.0 | 133.6 | 8.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.1 | 5.0 | 20.1 | 8.0 | 0.9 | 0.0 | 0.0 | 382.4 |
| MAX | 19.1 | 5.5 | 84.0 | 192.9 | 214.3 | 243.0 | 167.1 | 277.4 | 260.2 | 65.8 | 78.8 | 20.9 | 1042.4 |
| PROM | 4.4 | 1.0 | 18.0 | 45.9 | 97.5 | 134.6 | 95.7 | 94.7 | 46.4 | 24.6 | 10.5 | 4.8 | 569.1 |
| DESV | 6.9 | 2.0 | 30.7 | 58.5 | 73.1 | 76.7 | 56.4 | 73.8 | 72.8 | 21.8 | 23.4 | 8.0 | 187.4 |
| CV | 1.6 | 2.0 | 1.7 | 1.3 | 0.7 | 0.6 | 0.6 | 0.8 | 1.6 | 0.9 | 2.2 | 1.7 | 0.3 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 5

HOYA 309 RAPEL
 EST 30 BOCA YUMA DEL PANGAL
 LAT 3416 LON 7020 ALT 141 (MTS)

SUP 14503 (KM2)

521

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|
| 1921 | 0.9 | 0.8 | 16.0 | 40.5 | 509.0 | 111.5 | 19.1 | 190.7 | 37.2 | 11.2 | 0.0 | 0.4 | 937.3 |
| 1922 | 15.9 | 0.0 | 76.0 | 0.0 | 73.6 | 377.2 | 91.7 | 168.5 | 60.3 | 99.1 | 3.8 | 0.0 | 966.1 |
| 1923 | 3.5 | 2.3 | 0.0 | 1.4 | 22.7 | 233.4 | 264.4 | 197.6 | 15.7 | 164.0 | 29.0 | 2.5 | 936.5 |
| 1924 | 0.0 | 0.0 | 22.2 | 7.4 | 28.0 | 96.2 | 46.4 | 36.8 | 24.3 | 1.7 | 0.1 | 0.0 | 265.1 |
| 1925 | 0.0 | 57.6 | 3.1 | 7.4 | 141.8 | 37.4 | 136.4 | 20.0 | 702.4 | 20.3 | 23.2 | 0.0 | 1149.6 |
| 1926 | 0.0 | 6.6 | 20.1 | 0.0 | 96.1 | 716.1 | 569.5 | 128.2 | 35.3 | 104.0 | 0.0 | 9.0 | 1684.9 |
| 1927 | 0.0 | 10.0 | 0.0 | 3.2 | 270.4 | 307.0 | 329.1 | 92.6 | 319.6 | 35.8 | 79.7 | 6.0 | 1455.0 |
| 1928 | 0.0 | 14.5 | 0.0 | 31.9 | 257.7 | 473.9 | 54.7 | 25.6 | 27.1 | 2.2 | 3.2 | 0.0 | 890.8 |
| 1929 | 69.0 | 0.0 | 0.0 | 0.0 | 250.0 | 240.0 | 47.0 | 498.0 | 115.0 | 18.0 | 7.0 | 49.0 | 1293.0 |
| 1930 | 50.0 | 1.0 | 1.0 | 62.0 | 62.0 | 178.0 | 477.0 | 188.0 | 74.0 | 122.0 | 0.0 | 0.0 | 1240.0 |
| 1931 | 0.0 | 10.0 | 28.0 | 17.0 | 78.0 | 244.0 | 294.0 | 226.0 | 62.0 | 114.0 | 2.0 | 63.0 | 1136.0 |
| 1953 | 7.8 | 0.0 | 4.2 | 46.5 | 219.4 | 70.7 | 142.2 | 224.2 | 338.4 | 81.2 | 0.0 | 0.0 | 1134.6 |
| 1954 | 0.0 | 12.2 | 0.7 | 69.7 | 168.9 | 212.8 | 132.9 | 24.2 | 9.0 | 17.4 | 0.0 | 14.8 | 662.6 |
| 1955 | 0.0 | 0.0 | 0.0 | 33.0 | 58.1 | 236.9 | 72.4 | 59.1 | 22.4 | 28.6 | 15.5 | 17.7 | 543.7 |
| 1956 | 43.5 | 0.0 | 82.1 | 104.8 | 77.9 | 6.8 | 164.7 | 141.5 | 28.0 | 17.1 | 12.0 | 0.9 | 679.3 |
| 1957 | 5.7 | 4.0 | 0.0 | 19.5 | 251.0 | 58.4 | 120.1 | 103.4 | 37.2 | 3.9 | 0.0 | 28.7 | 631.9 |
| 1958 | 0.0 | 0.0 | 0.0 | 0.0 | 164.6 | 283.2 | 2.2 | 105.1 | 36.5 | 1.8 | 29.2 | 0.0 | 682.6 |
| 1959 | 0.4 | 0.0 | 12.2 | 136.2 | 112.7 | 211.6 | 186.2 | 89.8 | 59.8 | 22.8 | 0.0 | 0.0 | 831.7 |
| 1960 | 0.0 | 0.0 | 0.0 | 11.7 | 45.2 | 144.1 | 113.1 | 40.1 | 37.3 | 17.0 | 0.0 | 1.2 | 416.3 |
| 1961 | 31.8 | 0.0 | 113.0 | 11.0 | 53.8 | 169.5 | 93.4 | 131.3 | 108.8 | 37.7 | 0.0 | 12.5 | 752.9 |
| 1962 | 0.0 | 0.0 | 0.0 | 11.5 | 43.6 | 304.1 | 30.5 | 43.9 | 16.7 | 78.7 | 7.8 | 2.0 | 538.8 |
| 1963 | 1.5 | 6.4 | 28.1 | 12.7 | 59.3 | 115.6 | 318.0 | 212.2 | 163.9 | 79.5 | 53.8 | 0.0 | 1051.0 |
| 1964 | 0.0 | 0.0 | 27.7 | 2.8 | 0.0 | 154.9 | 81.6 | 147.8 | 3.0 | 3.0 | 2.8 | 30.7 | 454.9 |
| 1965 | 0.0 | 0.0 | 0.0 | 144.9 | 88.0 | 62.4 | 168.5 | 316.0 | 33.0 | 69.8 | 14.1 | 60.1 | 955.4 |
| 1966 | 0.0 | 0.0 | 9.7 | 84.2 | 18.7 | 292.9 | 164.7 | 116.7 | 35.9 | 29.4 | 22.4 | 41.7 | 815.4 |
| 1968 | 0.0 | 0.0 | 30.6 | 46.5 | 0.0 | 41.9 | 15.4 | 41.3 | 100.2 | 14.2 | 8.1 | 29.2 | 327.4 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.8 | 2.2 | 20.0 | 3.0 | 1.7 | 0.0 | 0.0 | 265.1 |
| MAX | 65.0 | 57.6 | 113.0 | 144.9 | 509.0 | 716.1 | 569.5 | 498.0 | 702.4 | 164.0 | 122.0 | 63.0 | 1684.9 |
| PROM | 8.8 | 4.8 | 18.3 | 34.8 | 121.2 | 206.5 | 159.1 | 137.3 | 96.3 | 42.2 | 16.8 | 14.2 | 862.8 |
| DESV | 18.4 | 11.6 | 29.2 | 42.0 | 115.4 | 153.9 | 141.2 | 106.4 | 145.7 | 42.8 | 28.5 | 19.9 | 348.8 |
| CV | 2.1 | 2.4 | 1.6 | 1.2 | 1.0 | 0.7 | 0.9 | 0.8 | 1.6 | 1.0 | 1.7 | 1.4 | 0.4 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 5 HCYA 309 RAPEL SUP 14503 (KM2)
 EST 32 BT C CACHAPCAL
 LAT 3416 LON 7100 ALT 900 (MTS)

522.

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|--------|
| 1921 | -1.0 | -1.0 | -1.0 | 41.0 | 397.3 | 123.3 | 25.4 | 109.3 | 30.2 | 3.2 | 0.0 | 0.0 | -1.0 |
| 1922 | 9.3 | 0.0 | 42.6 | 0.0 | 59.6 | 291.3 | 64.3 | 124.7 | 40.1 | 66.4 | 0.0 | 0.0 | 698.3 |
| 1923 | 0.3 | 1.1 | 0.0 | 0.0 | 16.8 | 184.8 | 223.8 | 197.2 | 10.6 | 78.4 | 26.0 | 0.0 | 738.7 |
| 1924 | 0.0 | 0.0 | 12.2 | 1.1 | 19.0 | 59.1 | 30.4 | 18.0 | 5.5 | 0.5 | 0.0 | 0.0 | 145.8 |
| 1925 | 0.0 | 18.3 | 0.7 | 8.5 | 88.5 | 34.8 | 88.6 | 7.0 | 456.3 | 6.9 | 15.3 | 0.0 | 724.9 |
| 1926 | 0.0 | 7.5 | 15.0 | 0.0 | 69.2 | 465.0 | 505.0 | 74.2 | 9.7 | 56.2 | 0.0 | 9.0 | 1410.8 |
| 1927 | 0.0 | 0.0 | 0.0 | 0.0 | 233.8 | 259.7 | 200.0 | 61.5 | 202.2 | 4.8 | 35.2 | 0.8 | 998.6 |
| 1928 | 0.0 | 12.8 | 0.0 | 31.3 | 225.3 | 354.6 | 54.9 | 16.6 | 21.1 | 0.0 | 7.6 | 0.0 | 724.2 |
| 1929 | 23.0 | 0.0 | 0.0 | 0.0 | 143.0 | 236.0 | 24.0 | 336.0 | 56.0 | 11.0 | 10.0 | 55.0 | 894.0 |
| 1930 | 0.0 | 0.0 | 3.0 | 10.0 | 29.0 | 351.0 | 290.0 | 282.0 | 47.0 | 184.0 | 140.0 | 13.0 | 1349.0 |
| 1931 | 55.0 | 3.0 | 0.0 | 32.0 | 53.0 | 155.0 | 252.0 | 121.0 | 58.0 | 14.0 | 62.0 | 0.0 | 805.0 |
| 1932 | 0.0 | 0.0 | 19.0 | 14.0 | 61.0 | 174.0 | 221.0 | 163.0 | 28.0 | 55.0 | 0.0 | 42.0 | 777.0 |
| 1933 | 124.0 | 29.0 | 0.0 | 0.0 | 185.0 | 188.0 | 93.0 | 170.0 | 28.0 | -1.0 | 0.0 | -1.0 | -1.0 |
| 1934 | 0.0 | 0.0 | 14.0 | 0.0 | 507.0 | 420.0 | 59.0 | 29.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1967 | 5.6 | 0.0 | 0.0 | 3.5 | 72.0 | 67.0 | 216.0 | 42.0 | 72.0 | 24.0 | 16.0 | 0.0 | 518.1 |
| 1968 | 0.0 | 0.0 | 12.0 | 30.0 | 0.0 | 20.5 | 5.0 | 24.3 | 52.2 | 4.3 | 1.3 | 7.2 | 156.8 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.5 | 5.0 | 7.0 | 5.5 | 0.0 | 0.0 | 0.0 | 145.8 |
| MAX | 124.0 | 29.0 | 42.6 | 41.0 | 507.0 | 665.0 | 505.0 | 336.0 | 456.3 | 184.0 | 140.0 | 55.0 | 1410.8 |
| PROM | 14.5 | 4.8 | 7.9 | 10.7 | 135.0 | 224.0 | 147.0 | 111.0 | 74.5 | 36.3 | 20.9 | 9.1 | 764.7 |
| DESV | 33.7 | 8.7 | 11.8 | 14.4 | 144.4 | 167.6 | 134.6 | 98.3 | 115.7 | 50.4 | 37.3 | 17.4 | 371.2 |
| CV | 2.3 | 1.8 | 1.5 | 1.3 | 1.1 | 0.7 | 0.9 | 0.9 | 1.6 | 1.4 | 1.8 | 1.9 | 0.5 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

| ZONA 5 | | HOYA 309 RAPEL | | SUP 14503 (KM2) | | | | | | | | | |
|--------|-----|-----------------------|-----|-----------------|-------|-------|-------|-------|------|------|------|------|-------|
| | | EST 35 PUENTE ARQUECO | | | | | | | | | | | |
| | | LAT 3417 LON 7121 | | | | | | | | | | | |
| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
| 1965 | 0.0 | 0.0 | 0.0 | 84.4 | 100.7 | 38.1 | 306.7 | 236.9 | 7.9 | 56.9 | 18.3 | 35.5 | 885.4 |
| 1966 | 0.0 | 0.2 | 0.5 | 104.6 | 42.7 | 356.1 | 116.6 | 74.5 | 6.3 | 7.5 | 3.0 | 32.1 | 744.1 |
| 1967 | 2.2 | 0.0 | 0.0 | 1.3 | 63.2 | 42.1 | 156.6 | 26.5 | 32.1 | 13.3 | 7.4 | 0.0 | 344.7 |
| 1968 | 0.0 | 0.0 | 8.7 | 22.3 | 2.0 | 25.4 | 10.1 | 33.2 | 42.8 | 0.0 | 7.7 | 8.9 | 161.1 |

PRECIPITACIONES (MM)

ZCNA 5 HOYA 309 RAPEL SUP 14503 (KM2)

EST 36 REQUINCA

LAT 3417 LON 7050 ALT 421 (MTS)

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|-------|
| 1918 | 0.0 | 0.0 | 1.9 | 49.5 | 39.5 | 117.3 | 45.8 | 82.2 | 150.5 | 8.0 | 51.0 | 0.0 | 552.9 |
| 1919 | 0.0 | 0.0 | 0.0 | 103.5 | 246.3 | 109.1 | 180.5 | 39.3 | 44.2 | 8.5 | 7.4 | 5.1 | 743.9 |
| 1920 | 0.0 | 0.0 | 0.0 | 0.0 | 114.1 | 201.2 | 23.9 | 20.3 | 7.5 | 14.9 | 14.0 | 14.4 | 410.9 |
| 1921 | 0.0 | 0.0 | 14.7 | 29.5 | 280.5 | 63.0 | 17.6 | 74.5 | 7.8 | 9.6 | 0.0 | 0.0 | 497.2 |
| 1922 | 1.5 | 0.0 | 11.7 | 0.0 | 36.1 | 101.0 | 32.6 | 100.7 | 29.1 | 32.4 | 4.8 | 0.0 | 410.5 |
| 1923 | 0.0 | 0.0 | 0.0 | 0.0 | 11.4 | 119.0 | 106.0 | 102.0 | 7.0 | 50.0 | 6.0 | 0.0 | 407.4 |
| 1924 | 0.0 | 0.0 | 18.5 | 0.0 | 9.0 | 37.0 | 9.0 | 17.5 | 20.0 | 0.0 | 0.0 | 0.0 | 111.0 |
| 1925 | 0.0 | 0.7 | 0.0 | 10.3 | 39.0 | 35.0 | 68.5 | 7.0 | 213.0 | 21.0 | 0.0 | 0.0 | 394.5 |
| 1926 | 0.0 | 0.9 | 15.5 | 0.0 | 50.0 | 349.5 | 342.1 | 51.0 | 12.5 | 13.0 | 0.0 | 2.0 | 836.5 |
| 1927 | 0.0 | 3.5 | 0.0 | 0.0 | 151.0 | 64.5 | 102.0 | 66.5 | 93.5 | 13.5 | 18.0 | 0.0 | 506.5 |
| 1928 | 0.0 | 0.0 | 0.0 | 32.5 | 125.0 | 249.0 | 45.0 | 10.0 | 30.0 | 7.5 | 12.5 | 0.0 | 511.5 |
| 1929 | 21.0 | 0.0 | 0.0 | 0.0 | 86.0 | 129.0 | 26.0 | 227.0 | 56.0 | 13.0 | 2.0 | 34.0 | 594.0 |
| 1930 | 0.0 | 0.0 | 0.0 | 21.0 | 5.0 | 242.0 | 146.0 | 198.0 | 25.0 | 69.0 | 49.0 | 7.0 | 702.0 |
| 1931 | 14.0 | 3.0 | 0.0 | 35.0 | 36.0 | 87.0 | 149.0 | 85.0 | 41.0 | 5.0 | 20.0 | 0.0 | 475.0 |
| 1932 | 0.0 | 0.0 | 32.0 | 5.0 | 48.0 | 134.0 | 131.0 | 124.0 | 31.0 | 12.0 | 0.0 | 18.0 | 535.0 |
| 1933 | 45.0 | 10.0 | 0.0 | 0.0 | 75.0 | 167.0 | 61.0 | 62.0 | 17.0 | 18.0 | 0.0 | 0.0 | 455.0 |
| 1934 | 0.0 | 0.0 | 5.0 | 0.0 | 173.0 | 257.0 | 16.0 | 15.0 | 24.0 | 49.0 | 13.0 | 0.0 | 552.0 |
| 1935 | 0.0 | 0.0 | 0.0 | 15.0 | 75.0 | 98.0 | 42.0 | 56.0 | 24.0 | 35.0 | 0.0 | 0.0 | 345.0 |
| 1936 | 0.0 | 0.0 | 0.0 | 46.0 | 217.0 | 57.0 | 85.0 | 89.0 | 21.0 | 4.0 | 4.0 | 18.0 | 542.0 |
| 1937 | 0.0 | 15.0 | 0.0 | 0.0 | 113.0 | 142.0 | 156.0 | 121.0 | 51.0 | 27.0 | 24.0 | 0.0 | 649.0 |
| 1938 | 0.0 | 6.0 | 46.0 | 0.0 | 70.0 | 64.0 | 52.0 | 4.0 | 8.0 | 21.0 | 21.0 | 0.0 | 298.0 |
| 1939 | 0.0 | 0.0 | 0.0 | 0.0 | 52.0 | 156.0 | 10.0 | 97.0 | 3.0 | 27.0 | 0.0 | 28.0 | 373.0 |
| 1940 | 0.0 | 36.0 | 0.0 | 33.0 | 64.0 | 162.0 | 322.0 | 13.0 | 34.0 | 44.0 | 37.0 | 0.0 | 745.0 |
| 1941 | 0.0 | 15.0 | 44.0 | 97.0 | 126.0 | 150.0 | 190.0 | 191.0 | 11.0 | 31.0 | 90.0 | 8.0 | 959.0 |
| 1942 | 0.0 | 0.0 | 7.0 | 0.0 | 25.0 | 89.0 | 122.0 | 142.0 | 21.0 | 52.0 | 60.0 | 0.0 | 524.0 |
| 1943 | 0.0 | 0.0 | 18.0 | 21.0 | 57.0 | 64.0 | 63.0 | 60.0 | 59.0 | 27.0 | 11.0 | 0.0 | 380.0 |
| 1944 | 4.0 | 21.0 | 0.0 | 22.0 | 113.0 | 163.0 | 17.0 | 243.0 | 16.0 | 18.0 | 6.0 | 0.0 | 623.0 |
| 1945 | 0.0 | 88.0 | 17.0 | 18.0 | 6.0 | 12.0 | 63.0 | 102.0 | 31.0 | 11.0 | 8.0 | 0.0 | 356.0 |
| 1946 | 44.0 | 0.0 | 0.0 | 16.0 | 39.0 | 41.0 | 48.0 | 24.0 | 9.0 | 20.0 | 0.0 | 0.0 | 241.0 |
| 1947 | 0.0 | 0.0 | 2.0 | 26.0 | 60.0 | 134.0 | 21.0 | 51.0 | 30.0 | 27.0 | 0.0 | 0.0 | 351.0 |
| 1948 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1949 | 0.0 | 0.0 | -1.0 | 0.0 | -1.0 | -1.0 | 46.0 | 69.0 | 0.0 | 0.0 | 0.0 | 0.0 | -1.0 |
| 1950 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1951 | 0.0 | 0.0 | 0.0 | 19.0 | 84.0 | 151.0 | 199.0 | 35.0 | 60.0 | 0.0 | 8.0 | 0.0 | 556.0 |
| 1952 | 0.0 | 0.0 | 0.0 | 0.0 | 195.0 | 193.0 | 90.0 | -1.0 | -1.0 | -1.0 | 10.0 | 0.0 | -1.0 |
| 1963 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 51.0 | 153.0 | 110.0 | 65.0 | 30.0 | -1.0 | 0.0 | -1.0 |
| 1964 | 0.0 | 0.0 | 5.0 | 11.0 | 0.0 | 57.0 | 47.0 | -1.0 | 0.5 | 0.0 | 0.0 | 35.0 | -1.0 |
| 1965 | 0.0 | 0.0 | 0.5 | 58.0 | 64.0 | 56.0 | 122.0 | 186.0 | 0.0 | 42.0 | 22.0 | 25.0 | 576.0 |
| 1966 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1967 | 1.6 | 0.0 | 0.0 | 0.0 | 40.0 | 40.0 | 97.0 | 33.0 | 28.0 | 17.0 | 13.0 | 0.0 | 269.6 |
| 1968 | 0.0 | 0.0 | 11.1 | 26.8 | 0.0 | 10.0 | 6.9 | 13.6 | 35.9 | 2.4 | 7.0 | 0.0 | 113.7 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.0 | 6.9 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 111.0 |
| MAX | 45.0 | 88.0 | 46.0 | 103.5 | 280.5 | 349.5 | 342.1 | 243.0 | 213.0 | 69.0 | 90.0 | 35.0 | 959.0 |
| PROM | 3.5 | 5.4 | 6.9 | 18.8 | 81.2 | 117.6 | 90.9 | 81.2 | 35.6 | 21.1 | 14.0 | 5.1 | 488.1 |
| DESV | 10.7 | 15.8 | 12.1 | 25.5 | 70.2 | 75.9 | 79.7 | 64.3 | 41.7 | 16.9 | 19.9 | 10.1 | 186.0 |
| CV | 3.0 | 2.9 | 1.7 | 1.4 | 0.9 | 0.6 | 0.9 | 0.8 | 1.2 | 0.8 | 1.4 | 2.0 | 0.4 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 5

HOYA 309 RAPEL
EST 38 ESPERANZA FONDO
LAT 3418 LON 7118

SUP 14503 (KM2)

525.

| ANC | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|-------|
| 1946 | -1.0 | -1.0 | 0.0 | 11.0 | 90.5 | 181.5 | 152.0 | 34.5 | 17.9 | 20.7 | 4.8 | 8.0 | -1.0 |
| 1947 | C.C | 0.0 | 0.0 | 38.2 | 28.0 | 203.4 | 72.9 | 69.8 | 32.2 | 34.2 | 0.0 | 0.0 | 538.7 |
| 1948 | 0.0 | 0.0 | 0.0 | 88.7 | 100.8 | 83.0 | 340.2 | 35.3 | 40.9 | 19.3 | 0.0 | 4.1 | 712.3 |
| 1949 | 0.0 | 4.0 | 31.4 | 0.0 | 279.3 | 78.1 | 22.4 | 31.1 | 5.5 | 0.0 | 0.0 | 18.2 | 470.0 |
| 1950 | 0.0 | 0.0 | 9.6 | 142.4 | 195.8 | 91.0 | 5.6 | 115.8 | 65.2 | 32.0 | 43.5 | 0.0 | 704.9 |
| 1951 | 0.0 | 0.0 | 2.3 | 22.7 | 72.3 | 304.2 | 273.1 | 28.7 | 53.8 | 0.0 | 1.8 | 0.0 | 758.9 |
| 1952 | 0.0 | 0.0 | 11.7 | 0.0 | 165.3 | 160.8 | 122.2 | 12.7 | 6.9 | 25.8 | 0.0 | 0.0 | 505.4 |
| 1953 | 1.7 | 0.0 | 3.5 | 30.4 | 216.3 | 63.2 | 117.4 | 238.7 | 176.7 | 4.2 | 0.0 | 12.8 | 804.9 |
| 1954 | 0.0 | 4.0 | 0.0 | 51.8 | 103.0 | 216.4 | 111.4 | 38.1 | 12.4 | 0.0 | 0.0 | 22.8 | 500.5 |
| 1955 | C.C | 0.8 | 0.0 | -1.0 | -1.0 | 137.9 | 41.6 | 42.2 | 10.0 | 9.7 | 13.3 | 37.1 | -1.0 |
| 1956 | 30.1 | 3.5 | 34.5 | 40.1 | 65.8 | 38.5 | 183.1 | 147.8 | 21.6 | 37.3 | -1.0 | 0.0 | -1.0 |
| 1957 | 0.0 | 0.0 | 0.0 | 17.5 | 123.5 | 28.1 | 138.8 | 62.1 | -1.0 | -1.0 | -1.0 | 29.0 | -1.0 |
| 1958 | C.C | 0.0 | 0.0 | 0.0 | -1.0 | 210.7 | 8.0 | 130.0 | 62.0 | 0.0 | 0.0 | -1.0 | -1.0 |
| 1959 | 16.0 | 0.0 | 39.0 | 158.0 | 69.0 | 181.0 | 163.0 | 68.0 | 50.0 | 35.0 | 0.0 | 0.0 | 779.0 |
| 1960 | 0.0 | 0.0 | 0.0 | 0.0 | 60.0 | 145.5 | 139.0 | 58.0 | 15.0 | 8.0 | 0.0 | 0.0 | 425.5 |
| 1961 | 37.0 | 0.0 | 46.0 | 0.0 | 30.0 | 200.0 | 92.0 | 194.0 | 149.0 | 5.0 | 0.0 | 0.0 | 763.0 |
| 1962 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1963 | -1.0 | -1.0 | -1.0 | -1.0 | 74.9 | 106.1 | 229.0 | 185.1 | 124.7 | 7.5 | 59.8 | 0.0 | -1.0 |
| 1964 | 0.0 | 0.0 | 0.8 | 17.2 | 18.6 | 91.0 | 89.4 | 144.4 | 0.0 | 0.0 | 17.5 | 0.0 | 378.9 |
| 1965 | 0.0 | 0.0 | 0.0 | 58.2 | 100.9 | 43.5 | 311.3 | 246.6 | 8.1 | 64.2 | 18.6 | 45.0 | 897.0 |
| 1966 | 0.0 | 0.0 | 0.0 | 125.9 | 42.5 | 439.4 | 151.9 | 87.8 | 11.5 | 5.3 | 8.4 | 34.0 | 906.7 |
| 1968 | 0.0 | 0.0 | 14.0 | 16.8 | 0.0 | 12.1 | 14.0 | 46.4 | 53.9 | 0.0 | 6.0 | 1.7 | 164.9 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 12.1 | 5.6 | 12.7 | 0.0 | 0.0 | 0.0 | 0.0 | 164.9 |
| MAX | 37.0 | 4.0 | 46.0 | 158.0 | 279.3 | 439.4 | 340.2 | 246.6 | 176.7 | 64.2 | 59.8 | 45.0 | 906.7 |
| PROM | 4.5 | 0.6 | 9.6 | 49.1 | 96.7 | 143.6 | 132.3 | 96.1 | 46.1 | 15.4 | 9.1 | 10.6 | 620.7 |
| DESV | 10.9 | 1.4 | 15.2 | 50.1 | 72.5 | 101.5 | 95.5 | 71.8 | 50.1 | 17.7 | 16.4 | 14.9 | 212.7 |
| CV | 2.5 | 2.2 | 1.6 | 1.2 | 0.8 | 0.7 | 0.7 | 0.7 | 1.1 | 1.1 | 1.8 | 1.4 | 0.3 |

NCTA=VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)

EST 39 SAN JOSE DE MARCHINGUE

LAT 3418 LON 7129

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|-----|------|-------|-------|-------|-------|-------|-------|------|------|------|-------|
| 1946 | 40.0 | 0.0 | 0.0 | 11.0 | 51.0 | 103.0 | 72.0 | 30.0 | 10.0 | 15.0 | 3.0 | 0.0 | 335.0 |
| 1947 | 0.9 | 0.0 | 0.0 | 27.0 | 28.0 | 154.0 | 64.0 | 44.0 | 20.0 | 26.0 | 0.0 | 0.0 | 373.9 |
| 1948 | 0.0 | 0.0 | 0.0 | 75.0 | 114.0 | 75.0 | 259.0 | 40.0 | 40.0 | 6.0 | 0.0 | 0.0 | 609.0 |
| 1949 | 0.0 | 0.0 | 25.0 | 0.0 | 259.0 | 79.0 | 34.0 | 35.0 | 12.0 | 0.0 | 0.0 | 15.0 | 459.0 |
| 1950 | 0.0 | 0.0 | 0.0 | 139.0 | 225.0 | 72.0 | 11.0 | 129.0 | 78.0 | 25.0 | 46.0 | 0.0 | 725.0 |
| 1951 | 0.0 | 0.2 | 1.0 | 22.0 | 69.0 | 339.0 | 282.0 | 22.0 | 46.0 | 0.0 | -1.0 | -1.0 | -1.0 |
| 1952 | 0.0 | 0.0 | 9.0 | 0.0 | 177.0 | 149.0 | 121.0 | 18.0 | 12.0 | -1.0 | -1.0 | 0.0 | -1.0 |
| 1953 | 0.0 | 0.0 | 0.0 | 38.0 | 282.0 | 61.0 | 146.0 | 192.0 | 216.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 28.0 | 61.0 | 11.0 | 18.0 | 10.0 | 0.0 | 0.0 | 0.0 | 335.0 |
| MAX | 40.0 | 0.2 | 25.0 | 139.0 | 282.0 | 339.0 | 282.0 | 192.0 | 216.0 | 26.0 | 46.0 | 15.0 | 725.0 |
| PROM | 5.1 | 0.0 | 4.4 | 40.3 | 150.6 | 129.0 | 123.0 | 63.8 | 54.3 | 12.0 | 9.8 | 2.5 | 500.4 |
| DESV | 14.1 | 0.1 | 8.9 | 46.5 | 98.7 | 91.9 | 100.6 | 62.6 | 65.4 | 11.8 | 20.3 | 6.1 | 163.8 |
| CV | 2.8 | 2.8 | 2.0 | 1.2 | 0.7 | 0.7 | 0.8 | 1.0 | 1.3 | 1.0 | 2.1 | 2.4 | 0.3 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 5

HOYA 309 RAPEL
EST 40 CALLEUCUA
LAT 3422 LON 7128 ALT 106 (MTS)

SUP 14503 (KM2)

527.

ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|--------|
| 1916 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 47.0 | 33.0 | 0.0 | 72.0 | -1.0 | -1.0 |
| 1917 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 26.0 | 68.0 | 71.0 | 0.0 | 0.0 | 4.0 | -1.0 |
| 1918 | 0.0 | 0.0 | 12.2 | 35.7 | 83.5 | 157.0 | 60.1 | 63.0 | 65.2 | 1.0 | 27.9 | 1.5 | 527.9 |
| 1919 | 0.0 | 0.0 | 7.2 | 142.8 | 274.8 | 120.1 | 183.2 | 26.4 | 53.9 | 5.5 | 11.0 | 9.0 | 833.9 |
| 1920 | 0.0 | 0.0 | 0.0 | 0.0 | 180.5 | 237.1 | 18.3 | 15.2 | 11.4 | 24.1 | 17.4 | 11.0 | 521.0 |
| 1921 | 0.0 | 0.0 | 0.4 | 25.7 | 302.4 | 119.3 | 11.0 | 26.1 | 1.3 | 17.5 | 0.0 | 0.0 | 509.7 |
| 1922 | 8.2 | 0.0 | 52.0 | 4.3 | 30.0 | 334.5 | 126.5 | 129.0 | 41.0 | 34.5 | 0.0 | 0.0 | 760.0 |
| 1923 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5 | 195.0 | 159.0 | 83.5 | 0.0 | 98.0 | 11.5 | 0.0 | 554.5 |
| 1924 | 0.0 | 0.0 | 16.0 | 0.0 | 5.0 | 31.7 | 20.0 | 27.5 | 12.0 | 0.0 | 0.0 | 0.0 | 112.2 |
| 1925 | 0.0 | 0.0 | 0.0 | 30.5 | 22.1 | 71.0 | 150.5 | 2.5 | 214.5 | 15.5 | 0.0 | 0.0 | 506.6 |
| 1926 | 0.0 | 0.0 | 26.5 | 0.0 | 144.0 | 546.0 | 389.0 | 72.5 | 26.0 | 26.0 | 0.0 | 12.0 | 1242.0 |
| 1927 | 0.0 | 0.0 | 0.0 | 3.0 | 151.0 | 188.5 | 123.5 | 20.0 | 127.0 | 9.0 | 0.0 | 0.0 | 622.0 |
| 1928 | 0.0 | 17.1 | 9.7 | 167.8 | 143.6 | 209.5 | 120.5 | 47.0 | 18.5 | 0.0 | 13.0 | 0.0 | 746.1 |
| 1929 | 17.0 | 0.0 | 0.0 | 5.0 | 151.0 | 122.0 | 15.0 | 231.0 | 81.0 | 5.0 | 0.0 | -1.0 | -1.0 |
| 1930 | 0.0 | 0.0 | 0.0 | 100.0 | 15.0 | 310.0 | 342.0 | 234.0 | 15.0 | 77.0 | 48.0 | 29.0 | 1170.0 |
| 1931 | 67.0 | 4.0 | 0.0 | 24.0 | 62.0 | 148.0 | 152.0 | 214.0 | 82.0 | 2.0 | 8.0 | 0.0 | 763.0 |
| 1932 | 0.0 | 0.0 | 6.0 | 9.0 | 47.0 | 240.0 | 156.0 | 151.0 | 21.0 | 42.0 | 0.0 | 13.0 | 685.0 |
| 1933 | 65.0 | -1.0 | 0.0 | 10.0 | 89.0 | 135.0 | 70.0 | 68.0 | 21.0 | 27.0 | 0.0 | 0.0 | -1.0 |
| 1934 | 0.0 | 0.0 | 4.0 | 0.0 | 311.0 | 426.0 | 11.0 | 21.0 | 17.0 | 22.0 | 0.0 | 0.0 | 812.0 |
| 1935 | 0.0 | 0.0 | 0.0 | 10.0 | 88.0 | 180.0 | 54.0 | 57.0 | 48.0 | 34.0 | 0.0 | 0.0 | 477.0 |
| 1936 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1937 | 0.0 | 0.0 | 0.0 | 0.0 | 125.0 | 244.0 | 177.0 | 182.0 | 31.0 | -1.0 | -1.0 | 0.0 | -1.0 |
| 1938 | 0.0 | 0.0 | 0.0 | 0.0 | 142.0 | 103.0 | 91.0 | 10.0 | 26.0 | 25.0 | 19.0 | -1.0 | -1.0 |
| 1939 | 0.0 | 0.0 | 0.0 | 0.0 | 80.0 | 208.0 | 5.0 | 138.0 | 26.0 | 37.0 | 0.0 | 21.0 | 515.0 |
| 1940 | 0.0 | 57.0 | 0.0 | 84.0 | 113.0 | 214.0 | 350.0 | 15.0 | 50.0 | 51.0 | 11.0 | 6.0 | 957.0 |
| 1941 | 0.0 | 13.0 | 22.0 | 64.0 | 272.0 | 173.0 | 278.0 | 209.0 | 12.0 | 13.0 | 40.0 | 0.0 | 1090.0 |
| 1942 | 0.0 | 0.0 | 0.0 | 0.0 | 57.0 | 98.0 | 111.0 | 223.0 | 8.0 | 38.0 | 38.0 | 0.0 | 573.0 |
| 1943 | 0.0 | 0.0 | 9.0 | 10.0 | 86.0 | 190.0 | 105.0 | 105.0 | 184.0 | 0.0 | 0.0 | 0.0 | 695.0 |
| 1944 | 0.0 | 0.0 | 0.0 | 8.0 | 100.5 | 177.0 | 36.0 | 205.0 | 5.0 | 54.5 | 0.0 | 0.0 | 646.0 |
| 1945 | 0.0 | 82.0 | 8.0 | 14.0 | 15.7 | 0.0 | 54.2 | 102.0 | 31.7 | 14.2 | 11.0 | 0.0 | 332.8 |
| 1946 | 60.0 | 0.0 | 0.0 | 9.5 | 26.0 | 115.9 | 109.5 | 27.0 | 7.5 | 20.0 | 0.0 | 0.0 | 375.4 |
| 1947 | 0.0 | 0.0 | 0.0 | 40.0 | 45.5 | 134.3 | 67.0 | 55.8 | 36.0 | 27.0 | 0.0 | 0.0 | 399.6 |
| 1948 | 0.0 | 0.0 | 0.0 | 68.5 | 115.5 | 79.0 | 300.5 | 47.5 | 46.5 | 7.0 | 0.0 | 0.0 | 664.5 |
| 1949 | 0.0 | 0.0 | 7.0 | 0.0 | 253.0 | 97.5 | 15.0 | 33.7 | 10.5 | 0.0 | 0.0 | 0.0 | 416.7 |
| 1950 | 0.0 | 0.0 | 9.5 | 146.5 | 272.5 | 70.0 | 47.5 | 143.0 | 70.0 | 33.0 | 52.5 | 0.0 | 838.5 |
| 1951 | 0.0 | 0.0 | 0.0 | 20.0 | 70.9 | 290.5 | 247.5 | 29.0 | 47.5 | 0.0 | 0.0 | 0.0 | 711.4 |
| 1952 | 0.0 | 0.0 | 0.0 | 0.0 | 214.0 | 163.0 | 99.0 | -1.0 | -1.0 | -1.0 | -1.0 | 0.0 | -1.0 |
| 1953 | 0.0 | 0.0 | 0.0 | 0.0 | 200.0 | 57.5 | 161.5 | 200.0 | 222.5 | 0.0 | 0.0 | -1.0 | -1.0 |
| 1954 | 0.0 | 0.0 | 0.0 | 46.0 | 103.5 | 195.0 | 224.5 | 0.0 | 0.0 | 0.0 | 0.0 | 12.0 | 581.0 |
| 1955 | 0.0 | 0.0 | 0.0 | 0.0 | 40.0 | 197.5 | 25.0 | 55.5 | 15.0 | 7.0 | 0.0 | 27.0 | 307.0 |
| 1956 | 20.0 | 0.0 | 58.0 | 49.0 | 87.0 | 61.0 | 233.7 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1957 | 0.0 | 0.0 | 0.0 | 0.0 | 149.0 | 32.0 | 96.0 | 72.0 | 9.0 | 11.0 | -1.0 | -1.0 | -1.0 |

| MIN | MAX | PROM | DESV | CV |
|-------|--------|-------|-------|-----|
| 0.0 | 67.0 | 6.1 | 17.5 | 2.9 |
| 0.0 | 82.0 | 4.6 | 16.2 | 3.5 |
| 0.0 | 58.0 | 6.3 | 13.1 | 2.1 |
| 0.0 | 167.8 | 28.9 | 44.1 | 1.5 |
| 5.0 | 311.0 | 119.9 | 87.4 | 0.7 |
| 0.0 | 546.0 | 171.0 | 107.5 | 0.6 |
| 5.0 | 389.0 | 125.5 | 103.1 | 0.8 |
| 0.0 | 234.0 | 88.6 | 74.3 | 0.8 |
| 0.0 | 222.5 | 46.4 | 54.5 | 1.2 |
| 0.0 | 98.0 | 20.5 | 22.5 | 1.1 |
| 0.0 | 72.0 | 10.3 | 17.9 | 1.7 |
| 0.0 | 29.0 | 4.2 | 7.9 | 1.9 |
| 112.2 | 1242.0 | 643.4 | 250.7 | 0.4 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZCNA 5 HOYA 309 RAPEL SLP 14502 (KM2)
 EST 41 REACC PRCP DCA TIPC PV
 LAT 3424 LON 7052 ALT 125 (MTS)

| ANO | ENE | FEB | MAR | APR | MAY | JUN | JUL | AGO | SEP | OCT | NOV | DIC | TOT |
|-------|------|------|------|-------|-------|-------|-------|-------|-------|------|-------|------|--------|
| 1924 | -1.0 | 0.0 | -1.0 | 0.0 | 13.0 | 41.0 | 7.0 | 28.0 | 21.0 | 0.0 | 0.0 | 0.0 | -1.0 |
| 1925 | 0.0 | 0.0 | 0.0 | 10.0 | 34.0 | 30.0 | 77.0 | 11.0 | 247.0 | 30.0 | 0.0 | 0.0 | 439.0 |
| 1926 | 0.0 | 0.0 | 29.0 | 0.0 | 7.0 | 547.0 | 427.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1928 | 0.0 | 3.0 | 0.0 | 36.0 | 199.0 | 220.0 | 73.0 | 21.0 | 25.0 | 9.0 | 13.5 | 0.0 | 608.7 |
| 1929 | 20.0 | 0.0 | 0.0 | 1.0 | 148.0 | 142.0 | 27.0 | 241.0 | 41.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1930 | 0.0 | 0.0 | 0.0 | 17.0 | 27.0 | 247.0 | 192.0 | 194.0 | 22.0 | 69.0 | 47.0 | -5.0 | 820.0 |
| 1931 | 13.0 | 0.0 | 0.0 | 39.0 | 63.0 | 84.0 | 159.0 | 106.0 | 32.0 | 8.0 | 20.0 | 0.0 | 528.0 |
| 1932 | 0.0 | 1.0 | 10.0 | 8.0 | 62.0 | 190.0 | 189.0 | 151.0 | 28.0 | 18.0 | 0.0 | 10.0 | 659.0 |
| 1933 | 71.0 | 17.0 | 0.0 | 0.0 | 53.0 | 175.0 | 80.0 | 84.0 | 32.0 | 19.0 | 0.0 | 0.0 | 531.0 |
| 1934 | 0.0 | 0.0 | 3.0 | 0.0 | 32.5 | 272.0 | 17.0 | 22.0 | 25.0 | 19.0 | 0.0 | 0.0 | 683.0 |
| 1935 | 0.0 | 0.0 | 0.0 | -1.0 | 74.0 | 133.0 | 46.0 | 68.0 | 18.0 | 26.0 | 1.0 | 0.0 | -1.0 |
| 1936 | 0.0 | 0.0 | 0.0 | 63.0 | 256.0 | 67.0 | 104.0 | 71.0 | 34.0 | 4.0 | 0.0 | 17.0 | 616.0 |
| 1937 | 0.0 | 13.0 | 0.0 | 0.0 | 119.0 | 170.0 | 177.0 | 89.0 | 53.0 | 20.0 | 17.0 | 0.0 | 670.4 |
| 1938 | 0.0 | 5.0 | 38.0 | 0.0 | 76.0 | 63.0 | 39.0 | 5.0 | 9.0 | 18.0 | 20.0 | 0.0 | 273.0 |
| 1939 | 0.0 | 0.0 | 0.0 | 0.0 | 96.0 | 261.0 | 11.0 | 124.0 | 21.0 | 60.0 | 0.0 | 28.0 | 551.0 |
| 1940 | 0.0 | 27.0 | 0.0 | 20.0 | 86.0 | 200.0 | 245.0 | 221.0 | 36.0 | 43.0 | 42.0 | 0.0 | 820.0 |
| 1941 | 0.0 | 13.0 | 38.0 | 83.0 | 166.0 | 156.0 | 262.0 | 258.0 | 17.0 | 35.0 | 102.0 | 4.0 | 1134.0 |
| 1942 | 0.0 | 0.0 | 21.0 | 0.0 | 37.0 | 104.0 | 113.0 | 143.0 | 19.0 | 31.0 | 54.0 | 0.0 | 522.0 |
| 1943 | 0.0 | 0.0 | 26.0 | 22.0 | 65.0 | 102.0 | 57.0 | 159.0 | 62.0 | 20.0 | 10.0 | 0.0 | 423.0 |
| 1944 | 1.0 | 16.0 | 0.0 | 12.0 | 90.0 | 137.0 | 22.0 | 201.0 | 10.0 | 21.0 | 4.5 | 0.0 | 511.9 |
| 1945 | 1.0 | 5.0 | 18.0 | 18.0 | 8.0 | 15.0 | 62.0 | 100.0 | 25.0 | 7.0 | 24.0 | 0.0 | 379.2 |
| 1946 | 4.0 | 0.0 | 0.0 | 31.0 | 43.0 | 57.0 | 94.0 | 18.0 | 9.0 | 36.0 | 1.5 | 0.0 | 339.7 |
| 1947 | 0.0 | 0.0 | 0.0 | 22.0 | 55.0 | 146.0 | 36.0 | 62.0 | 33.0 | 30.0 | 0.0 | 0.0 | 387.7 |
| 1948 | 0.0 | 0.0 | 0.0 | -1.0 | 4.0 | 57.1 | 256.0 | 7.0 | 53.0 | 6.0 | 0.0 | 0.0 | -1.0 |
| 1949 | 0.0 | 4.5 | 4.0 | 0.0 | 282.0 | 54.5 | 29.0 | 54.5 | 4.5 | 0.0 | 0.0 | 4.5 | 418.0 |
| 1950 | 0.0 | 0.0 | 12.0 | 123.0 | 137.0 | 68.0 | 6.0 | 86.0 | 67.0 | 12.0 | 45.0 | 0.0 | 557.7 |
| 1951 | 0.0 | 0.0 | 0.0 | 19.0 | 86.0 | 149.0 | 199.0 | 339.0 | 57.0 | 0.0 | 2.0 | 0.0 | 541.0 |
| 1952 | 0.0 | 0.0 | 0.0 | 0.0 | 196.0 | 176.5 | 151.0 | 300.0 | 33.0 | 10.0 | 4.0 | 0.0 | 551.5 |
| 1953 | 11.0 | 0.0 | 0.0 | 45.0 | 164.0 | 29.2 | 151.0 | 300.0 | 220.0 | 33.0 | 0.0 | 0.0 | 558.8 |
| 1954 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 18.0 | 13.5 | 35.0 | 0.0 | 0.0 | -1.0 |
| 1955 | 0.0 | 0.0 | 23.7 | 1.0 | 40.0 | 60.0 | 112.0 | -1.0 | 87.1 | 33.0 | 38.5 | 0.0 | -1.0 |
| 1956 | 0.0 | 0.0 | 3.2 | 9.1 | 0.0 | 59.4 | 63.0 | -1.0 | 0.0 | 5.0 | 0.0 | 15.0 | -1.0 |
| 1957 | 0.0 | 0.0 | 0.0 | 48.2 | 98.8 | 23.5 | 131.0 | 225.0 | 5.5 | 11.0 | 8.0 | 0.0 | 578.9 |
| 1958 | 0.0 | 0.0 | 0.0 | 120.7 | 25.4 | 261.0 | 98.0 | 63.0 | 7.2 | 7.1 | 11.0 | 17.0 | 612.5 |
| 1959 | 0.0 | 0.0 | 0.0 | 0.5 | 62.0 | 52.0 | 75.0 | 26.0 | 26.0 | 3.4 | 7.6 | 0.0 | 252.5 |
| 1960 | 0.0 | 0.0 | 5.1 | 17.0 | 0.0 | 7.0 | 8.0 | 15.4 | 27.9 | 0.0 | 2.1 | 0.0 | 83.2 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 6.0 | 5.0 | 0.0 | 0.0 | 0.0 | 0.0 | 83.2 |
| MAX | 71.0 | 56.5 | 38.0 | 123.7 | 225.0 | 547.0 | 427.0 | 300.8 | 247.0 | 69.0 | 102.0 | 28.0 | 1134.0 |
| PRCPM | 4.9 | 5.8 | 6.9 | 23.3 | 92.9 | 130.2 | 108.8 | 50.8 | 40.7 | 20.0 | 14.0 | 3.8 | 551.8 |
| DESIV | 14.9 | 17.2 | 11.6 | 32.6 | 75.0 | 106.0 | 96.0 | 81.0 | 52.0 | 16.0 | 22.3 | 7.8 | 214.5 |
| CV | 3.0 | 3.0 | 1.7 | 1.4 | 0.5 | 0.8 | 0.5 | 0.5 | 1.3 | 0.8 | 1.6 | 2.1 | 0.4 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORRIDOS

PRECIPITACIONES (MM)

ZCNA 5

HOYA 309 RAPEL
EST 42 RIO CACHAPCAL
LAT 3424 LON 7111

SUP 14503 (KM2)

529.

ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT

1921 -1.0 -1.0 8.0 20.0 295.0 101.0 16.0 85.0 15.0 7.0 0.0 0.0 -1.0

1922 0.0 0.0 33.0 0.0 0.0 234.0 62.0 136.0 2.0 63.0 0.0 0.0 530.0

1923 0.0 0.0 0.0 0.0 12.0 168.0 130.0 251.0 2.0 149.0 108.0 0.0 820.0

1924 0.0 0.0 5.0 18.0 9.0 20.0 0.0 24.0 13.0 1.0 0.0 0.0 90.0

1925 20.0 0.0 0.0 0.0 0.0 0.0 83.0 0.0 0.0 370.0 0.0 0.0 473.0

1926 0.0 0.0 11.0 0.0 62.0 243.0 320.0 40.0 43.0 2.0 0.0 2.0 723.0

1927 0.0 0.0 0.0 0.0 110.0 54.0 88.0 100.0 34.0 0.0 21.0 0.0 407.0

MIN 0.0 0.0 0.0 0.0 0.0 20.0 0.0 0.0 2.0 0.0 0.0 0.0 90.0

MAX 20.0 0.0 33.0 20.0 295.0 243.0 320.0 251.0 370.0 149.0 108.0 2.0 820.0

PRUM 3.3 0.0 8.1 5.4 69.7 129.0 88.0 90.9 68.4 31.7 18.4 0.3 507.2

DESV 8.2 0.0 11.8 9.3 107.4 87.5 115.2 84.8 133.9 56.5 40.3 0.8 257.0

CV 2.4 -1.0 1.4 1.7 1.5 0.7 1.3 0.9 2.0 1.8 2.2 2.6 0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)

EST 43 MARCHIGUE

LAT 3424 LON 7136 ALT 137 (MTS)

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|------|-------|-------|-------|-------|-------|------|------|------|-------|
| 1954 | 0.0 | 0.0 | 0.0 | 42.5 | 53.0 | 178.0 | 120.0 | 35.0 | 19.5 | 3.5 | 0.0 | 15.0 | 466.5 |
| 1955 | 0.0 | 0.0 | 0.0 | 4.5 | 70.1 | 170.7 | 15.5 | 45.0 | 23.5 | 7.5 | 0.0 | 19.0 | 355.8 |
| 1956 | 15.0 | 4.5 | 59.0 | 43.5 | 60.5 | 65.5 | 142.5 | 93.0 | 10.0 | 30.0 | 0.0 | 0.0 | 523.5 |
| 1957 | 0.0 | 0.0 | 0.0 | 16.0 | 199.0 | 16.0 | 85.0 | 54.5 | 14.0 | 9.0 | 0.0 | 21.0 | 414.5 |
| 1958 | 0.0 | 0.0 | 0.0 | 15.0 | 116.0 | 174.5 | 6.0 | 115.0 | 81.0 | 0.0 | 11.0 | 0.0 | 518.5 |
| 1959 | 36.0 | 0.0 | 21.0 | 87.5 | 44.0 | 130.0 | 129.0 | 53.5 | 14.0 | 24.0 | 0.0 | 0.0 | 539.0 |
| 1960 | 0.0 | 0.0 | 0.0 | 0.0 | 36.5 | 152.0 | 71.1 | 50.9 | 0.5 | 29.0 | 0.0 | 0.0 | 340.0 |
| 1961 | 14.0 | 0.0 | 66.5 | 6.9 | 26.0 | 209.1 | 94.8 | 129.0 | 130.5 | 9.5 | 0.0 | 0.0 | 686.3 |
| 1962 | 0.0 | 0.0 | 6.0 | 77.0 | 110.0 | 129.5 | 10.5 | 53.0 | 19.0 | 30.4 | 0.0 | 0.0 | 435.4 |
| 1963 | -1.0 | -1.0 | -1.0 | -1.0 | 86.0 | 55.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1964 | 8.0 | 0.0 | 0.0 | 10.0 | 12.0 | 131.0 | 103.0 | 120.7 | 8.4 | 0.0 | 18.0 | 59.8 | 470.9 |
| 1965 | 0.0 | 0.0 | 0.0 | 62.2 | 93.6 | 28.0 | 353.1 | 303.2 | 17.5 | 29.0 | 9.5 | 3.0 | 899.1 |
| 1966 | 0.0 | 0.0 | 0.0 | 69.5 | 38.0 | 459.5 | 69.5 | -1.0 | 11.1 | 13.0 | 0.5 | 36.0 | -1.0 |
| 1967 | 2.0 | 0.0 | 0.0 | 0.0 | 63.0 | 30.0 | 143.0 | 21.0 | 30.0 | 22.0 | 5.0 | 0.0 | 316.0 |
| 1968 | 0.0 | 0.0 | 5.0 | 0.0 | 0.0 | 21.0 | 17.0 | 25.0 | 52.5 | 0.0 | 2.5 | 0.0 | 133.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16.0 | 6.0 | 21.0 | 0.5 | 0.0 | 0.0 | 0.0 | 133.0 |
| MAX | 36.0 | 4.5 | 66.5 | 87.5 | 199.0 | 459.5 | 353.1 | 303.2 | 130.5 | 30.4 | 18.0 | 59.8 | 899.1 |
| PROM | 5.4 | 0.3 | 11.3 | 31.0 | 67.2 | 130.0 | 97.1 | 84.5 | 30.8 | 14.8 | 3.3 | 11.0 | 469.1 |
| DESV | 10.3 | 1.2 | 22.6 | 31.8 | 49.6 | 112.2 | 88.5 | 75.1 | 35.3 | 12.1 | 5.6 | 18.0 | 185.4 |
| CV | 1.9 | 3.7 | 2.0 | 1.0 | 0.7 | 0.9 | 0.9 | 0.9 | 1.1 | 0.8 | 1.7 | 1.6 | 0.4 |

530.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACION (MM)

ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)

EST 44 VINA VIEJA

LAT 3426 LON 7105

531.

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|------|------|------|------|-------|
| 1958 | -1.0 | -1.0 | -1.0 | -1.0 | 84.2 | 177.0 | 5.0 | 179.4 | 39.0 | 0.0 | 5.5 | 0.0 | -1.0 |
| 1959 | 23.0 | 0.0 | 42.5 | 136.2 | 56.8 | 142.8 | 121.9 | 39.0 | 30.7 | 21.0 | 0.0 | 0.0 | 613.9 |
| 1960 | 0.0 | 0.0 | 0.0 | 4.5 | 31.0 | 164.7 | 99.8 | 43.0 | 0.0 | 14.5 | 0.0 | 0.0 | 357.5 |
| 1961 | 13.0 | 0.0 | 29.5 | 0.0 | 16.5 | 166.4 | 79.5 | 155.5 | 99.0 | 13.0 | 0.0 | 0.0 | 572.4 |
| 1962 | 0.0 | 0.0 | 0.0 | 0.0 | 14.5 | 129.5 | 19.0 | 36.0 | 11.5 | 33.5 | 0.0 | 0.0 | 244.0 |
| 1963 | 0.0 | 0.0 | 19.0 | 0.0 | 43.0 | 84.5 | 158.5 | 167.3 | 86.8 | 28.2 | 16.0 | 0.0 | 603.3 |
| 1964 | 2.5 | 0.0 | 1.0 | 7.5 | 0.0 | 71.9 | 64.8 | 115.8 | 0.0 | 0.0 | 6.0 | 26.0 | 295.5 |
| 1965 | 0.0 | 0.0 | 0.0 | 62.0 | 122.5 | 40.5 | 213.7 | 242.5 | 3.5 | 38.4 | 18.0 | 41.0 | 782.1 |
| 1966 | 0.0 | 0.0 | 0.0 | 132.0 | 35.1 | 362.5 | 130.4 | 66.2 | 7.0 | 6.7 | 12.0 | 23.0 | 774.9 |
| 1967 | 0.0 | 0.0 | -1.0 | 0.0 | 87.0 | 69.0 | 143.0 | 22.0 | 53.0 | 9.1 | 6.3 | 0.0 | -1.0 |
| 1968 | 0.0 | 0.0 | 15.5 | 24.6 | 0.0 | 10.2 | 16.0 | 20.0 | 39.7 | 3.2 | -1.0 | 0.0 | -1.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.2 | 5.0 | 20.0 | 0.0 | 0.0 | 0.0 | 0.0 | 244.0 |
| MAX | 23.0 | 0.0 | 42.5 | 136.2 | 122.5 | 362.5 | 213.7 | 242.5 | 99.0 | 38.4 | 18.0 | 41.0 | 782.1 |
| PROM | 3.8 | 0.0 | 11.9 | 26.7 | 44.6 | 129.0 | 95.6 | 98.8 | 33.7 | 15.2 | 6.4 | 8.2 | 530.4 |
| DESV | 7.9 | 0.0 | 15.8 | 54.8 | 39.4 | 95.1 | 66.1 | 76.9 | 34.5 | 13.4 | 6.9 | 14.7 | 208.5 |
| CV | 2.0 | -1.0 | 1.3 | 1.5 | 0.9 | 0.7 | 0.7 | 0.8 | 1.0 | 0.9 | 1.1 | 1.4 | 0.4 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 5

HOYA 309 RAPEL
EST 46 EL HUIQUE
LAT 3427 LON 7123 ALT 150 (MTS)

SUP 14503 (KM2)

532.

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|-------|------|------|------|-------|-------|-------|-------|-------|------|------|------|--------|
| 1928 | -1.0 | -1.0 | -1.0 | -1.0 | 174.5 | 270.8 | 117.5 | 37.7 | 17.0 | 1.8 | 10.2 | 0.0 | -1.0 |
| 1929 | 20.0 | 0.0 | 0.0 | 1.0 | 139.0 | 118.0 | 28.0 | 212.0 | 89.0 | 7.0 | 2.0 | 19.0 | 635.0 |
| 1930 | 0.0 | 0.0 | 0.0 | 85.0 | 13.0 | 347.0 | 319.0 | 221.0 | 11.0 | 77.0 | 65.0 | 29.0 | 1167.0 |
| 1931 | 62.0 | 4.0 | 0.0 | 37.0 | 71.0 | 155.0 | 181.0 | 197.0 | 85.0 | 2.0 | 8.0 | 0.0 | 802.0 |
| 1932 | 0.0 | 0.0 | 10.0 | 8.0 | 50.0 | 249.0 | 214.0 | 153.0 | 29.0 | 60.0 | 0.0 | 19.0 | 792.0 |
| 1933 | 100.0 | 0.0 | 0.0 | 14.0 | 89.0 | 150.0 | 73.0 | 85.0 | 21.0 | 28.0 | 0.0 | 0.0 | 560.0 |
| 1934 | 0.0 | 0.0 | 5.0 | 1.0 | 379.0 | 476.0 | 40.0 | 28.0 | 13.0 | 31.0 | 2.0 | 0.0 | 975.0 |
| 1935 | 0.0 | 0.0 | 0.0 | 21.0 | 93.0 | 188.0 | 89.0 | 87.0 | 39.0 | 38.0 | 6.0 | 0.0 | 561.0 |
| 1936 | 0.0 | 0.0 | 0.0 | 48.0 | 274.0 | 136.0 | 115.0 | 83.0 | 35.0 | 2.0 | 4.0 | 9.0 | 706.0 |
| 1937 | 0.0 | 8.0 | 0.0 | 0.0 | 108.0 | 276.0 | 180.0 | 192.0 | 39.0 | 6.0 | 28.0 | 0.0 | 837.0 |
| 1938 | 0.0 | 0.0 | 25.0 | 0.0 | 144.0 | 107.0 | 94.0 | 12.0 | 18.0 | 25.0 | 35.0 | 0.0 | 460.0 |
| 1939 | 0.0 | 0.0 | 0.0 | 0.0 | 103.0 | 208.0 | 21.0 | 122.0 | 22.0 | 38.0 | 0.0 | 22.0 | 536.0 |
| 1940 | 0.0 | 53.0 | 0.0 | 97.0 | 151.0 | 230.0 | 361.0 | 19.0 | 58.0 | 54.0 | 18.0 | 10.0 | 1051.0 |
| 1941 | 0.0 | 19.0 | 27.0 | 61.0 | 265.0 | 176.0 | 338.0 | 183.0 | 6.0 | 43.0 | 34.0 | 2.0 | 1154.0 |
| 1942 | 0.0 | 0.0 | 7.0 | 0.4 | 78.0 | 94.0 | 143.0 | 218.0 | 14.0 | 32.0 | 44.0 | 0.0 | 630.4 |
| 1943 | 0.0 | 0.0 | 8.0 | 10.0 | 97.0 | 189.0 | 111.0 | 88.0 | 162.0 | 13.0 | 8.0 | 0.0 | 686.0 |
| 1944 | 0.0 | 2.0 | 0.0 | 30.0 | 100.7 | 212.2 | 46.7 | 277.6 | 5.6 | 60.9 | 1.3 | 0.0 | 737.0 |
| 1945 | 0.0 | 67.7 | 19.4 | 19.1 | 11.6 | 6.0 | 59.5 | 84.4 | 29.1 | 12.9 | 44.9 | 0.0 | 354.6 |
| 1946 | 59.3 | 0.0 | 0.0 | 12.4 | 56.6 | 102.4 | 102.9 | 28.3 | 21.1 | 20.1 | 14.4 | 4.9 | 422.4 |
| 1947 | 0.4 | 0.0 | 4.3 | 68.1 | 53.6 | 169.9 | 56.0 | 76.6 | 40.6 | 26.6 | 0.0 | 0.0 | 496.1 |
| 1948 | 0.0 | 0.0 | 0.0 | 77.1 | 123.2 | 71.0 | 286.0 | 93.5 | 59.0 | 4.9 | 0.0 | 4.0 | 718.7 |
| 1949 | 0.0 | 3.5 | 32.5 | 0.0 | 310.4 | 93.0 | 24.3 | 39.7 | 10.2 | 0.0 | 0.0 | 9.5 | 523.2 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 11.6 | 6.0 | 21.0 | 12.0 | 5.6 | 0.0 | 0.0 | 0.0 | 354.6 |
| MAX | 100.0 | 67.7 | 32.5 | 97.0 | 379.0 | 476.0 | 361.0 | 277.6 | 162.0 | 77.0 | 65.0 | 29.0 | 1167.0 |
| PROM | 11.5 | 7.5 | 6.6 | 28.1 | 131.1 | 182.9 | 136.4 | 115.4 | 37.4 | 26.5 | 14.8 | 5.8 | 705.0 |
| DESV | 27.4 | 18.3 | 10.3 | 31.8 | 96.1 | 101.9 | 105.7 | 78.5 | 36.3 | 22.2 | 18.7 | 8.8 | 230.6 |
| CV | 2.4 | 2.4 | 1.6 | 1.1 | 0.7 | 0.6 | 0.8 | 0.7 | 1.0 | 0.8 | 1.3 | 1.5 | 0.3 |

NCTA=VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 5

HOYA 309 RAPEL SUP 14503 (KM2)
 EST 48 LAGUNA DE TAGLA TAGUA
 LAT 3428 LON 7110 ALT 170 (MIS)

533.

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|--------|
| 1953 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 38.4 | 88.8 | 354.5 | 238.4 | 27.0 | 0.0 | 7.0 | -1.0 |
| 1954 | 0.0 | 4.5 | 0.0 | 60.5 | 41.5 | 281.0 | 145.0 | 25.0 | 19.0 | 8.5 | 0.0 | 0.0 | 585.0 |
| 1955 | 0.0 | 0.0 | 0.0 | 9.0 | 40.0 | 324.0 | 33.5 | 59.0 | 12.0 | 0.0 | 0.0 | 26.0 | 503.5 |
| 1956 | 4.0 | 0.0 | 65.0 | 56.0 | 49.5 | 10.0 | 80.0 | 111.0 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 |
| 1957 | 0.0 | 0.0 | 0.0 | 4.0 | 175.0 | 35.0 | 125.5 | 95.0 | 30.0 | 20.0 | 0.0 | 17.0 | 501.5 |
| 1958 | 0.0 | 0.0 | 0.0 | -1.0 | 125.5 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1959 | -1.0 | 0.0 | 46.0 | 123.5 | 83.2 | 206.4 | 286.1 | 61.1 | 70.8 | 30.8 | 0.0 | 0.0 | -1.0 |
| 1960 | -1.0 | -1.0 | -1.0 | -1.0 | 52.5 | 193.5 | 132.5 | 54.0 | -1.0 | 28.5 | -1.0 | -1.0 | -1.0 |
| 1961 | 20.5 | 0.0 | -1.0 | 0.0 | 28.0 | 152.5 | 90.0 | 203.5 | 170.5 | 17.0 | 0.0 | 0.0 | -1.0 |
| 1962 | 0.0 | 0.0 | 4.0 | 5.0 | 24.0 | 246.0 | 15.0 | 72.0 | 32.0 | 36.0 | 0.0 | 0.0 | 434.0 |
| 1963 | 0.0 | 0.0 | 23.0 | 0.0 | 66.0 | 130.0 | 243.0 | 182.0 | 90.5 | 36.0 | 21.0 | 0.0 | 791.5 |
| 1964 | 0.0 | 0.0 | 5.0 | 23.0 | 6.0 | 122.0 | 96.0 | 192.0 | 17.0 | 0.0 | 38.0 | 22.0 | 521.0 |
| 1965 | 0.0 | 0.0 | 0.0 | 89.0 | 130.0 | 55.0 | 357.0 | 324.0 | 8.5 | 40.0 | 16.0 | 41.1 | 1060.6 |
| 1966 | 0.0 | 0.0 | 0.0 | 154.2 | 52.3 | 480.0 | 197.0 | 111.0 | 14.0 | 7.0 | 11.0 | 35.2 | 1061.7 |
| 1967 | 2.0 | 0.0 | 0.0 | 1.0 | 76.0 | 71.0 | 217.0 | 32.0 | 67.0 | 10.0 | 15.0 | 0.0 | 491.0 |
| 1968 | 0.0 | 0.0 | 10.5 | 33.5 | 2.0 | 22.4 | 13.5 | 42.1 | 49.4 | 8.4 | 0.7 | 0.5 | 183.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 10.0 | 13.5 | 25.0 | 8.5 | 0.0 | 0.0 | 0.0 | 183.0 |
| MAX | 20.5 | 4.5 | 65.0 | 154.2 | 175.0 | 480.0 | 357.0 | 354.5 | 238.4 | 40.0 | 38.0 | 41.1 | 1061.7 |
| PROM | 2.0 | 0.3 | 11.8 | 43.0 | 63.4 | 157.8 | 141.3 | 127.9 | 63.0 | 17.9 | 7.3 | 10.6 | 613.3 |
| DESV | 5.7 | 1.2 | 20.8 | 51.2 | 48.3 | 133.0 | 100.0 | 103.2 | 69.2 | 14.2 | 11.6 | 14.8 | 278.7 |
| CV | 2.8 | 3.7 | 1.8 | 1.2 | 0.8 | 0.8 | 0.7 | 0.8 | 1.1 | 0.8 | 1.6 | 1.4 | 0.5 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)

EST 49 EL CARMEN DE PIHUEKE

LAT 3428 LON 7110

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|-----|------|------|------|-------|-------|------|------|------|------|------|------|
| 1964 | -1.0 | 0.0 | 0.0 | -1.0 | 6.0 | 37.0 | 87.0 | -1.0 | 7.0 | 0.0 | -1.0 | -1.0 | -1.0 |
| 1965 | 0.0 | 0.0 | 0.0 | -1.0 | 80.0 | -1.0 | 238.0 | 90.0 | 5.0 | 20.0 | 10.0 | -1.0 | -1.0 |
| 1966 | 0.0 | 0.0 | 0.0 | -1.0 | 46.0 | 328.0 | 101.0 | 42.0 | 8.0 | 0.0 | 0.0 | 4.0 | -1.0 |
| 1967 | 4.0 | 0.0 | 0.0 | 0.0 | 45.0 | 26.0 | 109.0 | 8.0 | 25.0 | 42.0 | 0.0 | -1.0 | -1.0 |
| 1968 | 0.0 | 0.0 | 18.5 | -1.0 | 2.2 | 36.4 | 30.0 | 15.0 | 38.0 | 0.0 | 14.5 | 7.8 | -1.0 |

PRECIPITACIONES (MM)

 ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)
 EST 50 LAS NIEVES ENDESA
 LAT 3429 LON 7043 ALT 700 (MTS)

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|------|------|------|------|-------|
| 1954 | 0.0 | 10.5 | 1.5 | 100.0 | 91.5 | 125.0 | 18.0 | 7.0 | 14.5 | 9.5 | 0.0 | 4.0 | 381.5 |
| 1955 | 0.0 | 0.0 | 0.0 | 8.0 | 34.0 | 182.5 | 78.0 | 81.0 | 15.0 | 28.0 | -1.0 | -1.0 | -1.0 |
| 1956 | 0.0 | 0.0 | 75.5 | 71.0 | 34.5 | 7.5 | 78.0 | 143.5 | 40.0 | 28.0 | -1.0 | -1.0 | -1.0 |
| 1957 | 0.0 | 0.0 | 0.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1958 | 0.0 | 0.0 | 0.0 | 20.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1959 | 20.0 | 0.0 | 29.0 | 174.5 | 105.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1964 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 41.5 | 31.7 | 26.9 | 1.5 | 1.5 | 0.0 | -1.0 | -1.0 |
| 1965 | 0.0 | 0.0 | 2.0 | 55.5 | 12.7 | 44.5 | 175.0 | 193.5 | 0.0 | 0.0 | -1.0 | 3.0 | -1.0 |
| 1966 | 0.0 | 0.0 | 0.0 | 37.0 | 0.0 | 309.0 | 141.0 | 7.6 | 0.5 | 4.2 | 0.8 | 1.0 | 501.1 |
| 1967 | 0.0 | 0.0 | 0.0 | 0.0 | 10.1 | 24.6 | 30.6 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1968 | 0.0 | 0.0 | 29.9 | 21.2 | 0.0 | 10.2 | 11.6 | 35.8 | 46.7 | 2.0 | 7.0 | 3.0 | 167.4 |
| 1969 | 0.0 | 0.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5 | 11.6 | 7.0 | 0.0 | 0.0 | 0.0 | 1.0 | 167.4 |
| MAX | 20.0 | 10.5 | 75.5 | 174.5 | 105.0 | 309.0 | 175.0 | 193.5 | 46.7 | 28.0 | 7.0 | 4.0 | 501.1 |
| PROM | 1.7 | 0.9 | 12.5 | 48.9 | 32.0 | 93.1 | 70.5 | 70.8 | 16.9 | 10.5 | 1.9 | 2.8 | 350.0 |
| DESV | 5.8 | 3.0 | 23.9 | 54.7 | 40.0 | 106.6 | 60.1 | 72.6 | 19.2 | 12.4 | 3.4 | 1.3 | 169.1 |
| CV | 3.5 | 3.5 | 1.9 | 1.1 | 1.3 | 1.1 | 0.9 | 1.0 | 1.1 | 1.2 | 1.7 | 0.5 | 0.5 |

535.

NCTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)
 EST 53 FUNDO LIHUEIMO
 LAT 3432 LON 7127

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1942 | -1.0 | -1.0 | -1.0 | 12.0 | 21.0 | 49.0 | 57.0 | 17.0 | 8.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1943 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 200.0 | 133.0 | 89.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1944 | 0.0 | 0.0 | 0.0 | 39.0 | 100.8 | 277.0 | 52.0 | 235.0 | 7.0 | 61.9 | 0.0 | 0.0 | 772.7 |
| 1945 | 0.0 | 69.0 | 17.0 | 16.0 | 14.5 | 5.0 | 73.0 | 65.5 | 27.5 | 9.0 | 36.5 | 0.0 | 333.0 |
| 1946 | 60.0 | 0.0 | 0.0 | 5.0 | 46.8 | 104.5 | 93.0 | 18.0 | 24.0 | 21.0 | 18.0 | 0.0 | 390.3 |
| 1947 | 0.0 | 0.0 | 0.0 | 80.0 | 41.5 | 185.0 | 69.0 | 79.0 | 38.0 | 25.0 | 0.0 | 0.0 | 517.5 |
| 1948 | 0.0 | 0.0 | 0.0 | 77.0 | 60.0 | 79.0 | 301.0 | 43.8 | 52.5 | 15.0 | 0.0 | 5.0 | 633.3 |
| 1949 | 0.0 | 3.5 | 26.3 | 0.0 | 297.6 | 98.0 | 28.8 | 40.5 | 7.4 | 0.0 | 0.0 | 10.0 | 512.1 |
| 1950 | 0.0 | 4.3 | 7.4 | 137.3 | 267.2 | 88.3 | 7.5 | 156.5 | 81.7 | 22.0 | 50.5 | 0.0 | 822.7 |
| 1951 | 2.0 | 1.0 | 0.0 | 22.5 | 101.5 | 345.3 | 266.6 | 27.7 | 52.7 | 0.5 | 4.7 | 0.0 | 824.5 |
| 1952 | 0.0 | 0.0 | 4.3 | 0.0 | 136.4 | 183.2 | 120.1 | 18.3 | 13.6 | 19.2 | 0.0 | 0.0 | 495.1 |
| 1953 | 11.0 | 0.0 | 0.0 | 44.0 | 314.0 | 65.3 | 165.6 | 261.0 | 238.9 | 17.7 | 0.0 | 0.0 | 1117.5 |
| 1954 | 0.0 | 1.7 | 0.0 | 52.0 | 90.5 | 264.6 | 151.2 | 63.2 | 34.5 | 10.0 | 0.0 | 14.0 | 681.7 |
| 1955 | 0.0 | 0.0 | 0.0 | 6.5 | 83.5 | 226.2 | 28.2 | 66.8 | 24.0 | 12.0 | 4.0 | 20.0 | 471.2 |
| 1956 | 4.2 | 5.0 | 54.0 | 70.0 | 83.2 | 67.5 | 206.5 | 184.5 | 36.0 | 24.0 | 0.0 | 0.0 | 734.9 |
| 1957 | 0.0 | 0.0 | 0.0 | 14.0 | 162.2 | 34.0 | 140.5 | 81.0 | 23.0 | 17.3 | 0.0 | 30.0 | 502.0 |
| 1958 | 0.0 | 0.0 | 0.0 | 8.5 | 202.4 | 221.0 | 13.5 | 226.0 | 119.0 | 0.0 | 6.0 | 0.0 | 796.4 |
| 1959 | 55.0 | 0.0 | 43.5 | 171.0 | 76.0 | 204.2 | 200.5 | 50.0 | 44.0 | 43.5 | 0.0 | 0.0 | 887.7 |
| 1960 | 0.0 | 0.0 | 8.0 | 12.0 | 52.0 | 233.0 | 149.5 | 82.0 | 18.0 | 40.0 | 0.0 | 0.0 | 594.5 |
| 1961 | 22.0 | 0.0 | 62.5 | 0.0 | 0.0 | 271.5 | 130.5 | 283.5 | 129.5 | 19.5 | 0.0 | 0.0 | 919.0 |
| 1962 | 0.0 | 0.0 | 0.0 | 10.0 | 21.0 | 202.2 | 17.0 | 87.0 | 23.0 | 24.0 | 0.0 | 0.0 | 384.2 |
| 1963 | 0.0 | 0.0 | 19.3 | 0.0 | 73.0 | 118.0 | 268.0 | 242.5 | 133.2 | 17.6 | 30.6 | 0.0 | 902.2 |
| 1964 | 0.0 | 0.0 | 0.0 | 21.0 | 9.0 | 135.2 | 120.5 | 178.4 | 5.0 | 0.0 | 0.0 | 41.0 | 510.1 |
| 1965 | 0.0 | 0.0 | 0.0 | 109.0 | 132.5 | 40.8 | 445.8 | 340.5 | 7.3 | 54.1 | 18.0 | 19.6 | 1167.6 |
| 1966 | 0.0 | 0.0 | 0.0 | 111.7 | 55.5 | 543.4 | 136.8 | 82.8 | 20.6 | 7.0 | 5.5 | -1.0 | -1.0 |
| 1967 | 0.0 | 0.0 | 0.0 | 0.0 | 103.0 | 67.0 | 237.0 | 44.0 | 62.0 | 56.0 | 11.0 | 0.0 | 580.0 |
| 1968 | 0.0 | 0.0 | 9.5 | 37.3 | 0.0 | 42.1 | 21.3 | 45.8 | 70.7 | 0.0 | 16.6 | 6.5 | 258.8 |
| ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 7.5 | 17.0 | 5.0 | 0.0 | 0.0 | 0.0 | 258.8 |
| MAX | 60.0 | 69.0 | 62.5 | 171.0 | 314.0 | 543.4 | 445.8 | 340.5 | 238.9 | 61.9 | 50.5 | 41.0 | 1167.6 |
| PROM | 6.2 | 3.4 | 10.1 | 40.6 | 97.9 | 161.1 | 134.6 | 115.2 | 50.0 | 20.7 | 8.1 | 6.1 | 658.7 |
| DESV | 16.2 | 13.7 | 18.0 | 47.4 | 87.5 | 118.6 | 104.6 | 93.7 | 53.6 | 17.9 | 13.5 | 11.1 | 239.2 |
| CV | 2.6 | 4.1 | 1.8 | 1.2 | 0.9 | 0.7 | 0.8 | 0.8 | 1.1 | 0.9 | 1.7 | 1.8 | 0.4 |
| ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORRIDOS

| PRECIPITACIONES (MM) | | | | | | | | | | | | | | |
|----------------------|---------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|--------|--------|
| ***** | | | | | | | | | | | | | | |
| ZONA | HOYA 309 RAPEL SUP 14503 (KM2) | | | | | | | | | | | | | |
| 5 | EST 55 PUQUILLAY | | | | | | | | | | | | | |
| | LAT 3432 LON 7130 ALT 330 (MTS) | | | | | | | | | | | | | |
| | ANC | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
| | ***** | | | | | | | | | | | | | |
| 1928 | -1.0 | -1.0 | 0.0 | -1.0 | 154.4 | 271.7 | 96.1 | 45.1 | 22.3 | 0.0 | 11.0 | 0.0 | -1.0 | -1.0 |
| 1929 | 24.0 | 0.0 | 0.0 | 0.0 | 0.0 | 103.0 | 98.0 | 24.0 | 205.0 | 75.0 | 6.0 | 0.0 | 12.0 | 577.0 |
| 1930 | 0.0 | 0.0 | 0.0 | 96.0 | 20.0 | 294.0 | 363.0 | 216.0 | 20.0 | 65.0 | 38.0 | 43.0 | 1155.0 | 1155.0 |
| 1931 | 59.0 | 4.0 | 0.0 | 38.0 | 65.0 | 144.0 | 206.0 | 199.0 | 83.0 | 0.0 | 7.0 | 0.0 | 805.0 | 805.0 |
| 1932 | 0.0 | 0.0 | 6.0 | 7.0 | 46.0 | 234.0 | 192.0 | 148.0 | 17.0 | 20.0 | 0.0 | 16.0 | 686.0 | 686.0 |
| 1933 | 67.0 | 0.0 | 0.0 | 17.0 | 73.0 | 142.0 | 79.0 | 67.0 | 22.0 | 24.0 | 0.0 | 0.0 | 491.0 | 491.0 |
| 1934 | 0.0 | 0.0 | 5.0 | 0.0 | 334.0 | 410.0 | 36.0 | 25.0 | 15.0 | 22.0 | 0.0 | 0.0 | 847.0 | 847.0 |
| 1935 | 0.0 | 0.0 | 0.0 | 16.0 | 81.0 | 190.0 | 76.0 | 72.0 | 27.0 | 28.0 | 6.0 | 0.0 | 494.0 | 494.0 |
| 1936 | 0.0 | 0.0 | 0.0 | 55.0 | 224.0 | 133.0 | 148.0 | 78.0 | 20.0 | 6.0 | 0.0 | 9.0 | 673.0 | 673.0 |
| 1937 | 0.0 | 15.0 | 0.0 | 1.0 | 100.0 | 279.0 | 166.0 | 185.0 | 38.0 | 12.0 | 18.0 | 0.0 | 814.0 | 814.0 |
| 1938 | 0.0 | 1.0 | 13.0 | 0.0 | 126.0 | 44.0 | 117.0 | 6.0 | 20.0 | 20.0 | 16.0 | 0.0 | 363.0 | 363.0 |
| 1939 | 0.0 | 0.0 | 0.0 | 0.0 | 84.0 | 172.0 | 28.0 | 118.0 | 42.0 | 40.0 | 0.0 | 23.0 | 507.0 | 507.0 |
| 1940 | 0.0 | 40.0 | 0.0 | 99.0 | 126.0 | 195.0 | 375.0 | 18.0 | 46.0 | 51.0 | 16.0 | 6.0 | 972.0 | 972.0 |
| 1941 | 0.0 | 19.0 | 30.0 | 46.0 | 269.0 | 155.0 | 332.0 | 177.0 | 0.0 | 32.0 | 18.0 | 0.0 | 1078.0 | 1078.0 |
| 1942 | 0.0 | 0.0 | 4.0 | 2.0 | 62.0 | 102.0 | 128.0 | 185.0 | 11.0 | 51.0 | 51.0 | 0.0 | 596.0 | 596.0 |
| 1943 | 0.0 | 0.0 | 13.0 | 32.0 | 87.0 | 215.0 | 101.0 | 80.0 | 148.0 | 10.0 | 7.0 | 0.0 | 693.0 | 693.0 |
| 1944 | 11.0 | 0.0 | 0.0 | 31.0 | 94.7 | 241.5 | 63.5 | 361.2 | 7.5 | 61.9 | 0.0 | 0.0 | 872.3 | 872.3 |
| 1945 | 0.0 | 61.5 | 17.5 | 15.4 | 19.1 | 7.0 | 51.4 | 90.5 | 35.1 | 11.5 | 38.0 | 0.0 | 347.0 | 347.0 |
| 1946 | 52.0 | 0.0 | 0.0 | 7.3 | 49.0 | 122.1 | 90.2 | 25.3 | 23.4 | 25.7 | 10.6 | 2.8 | 409.8 | 409.8 |
| 1947 | 3.6 | 0.0 | 5.0 | 60.0 | 32.5 | 161.5 | 79.5 | 77.0 | 31.0 | 22.0 | 0.0 | 0.0 | 472.1 | 472.1 |
| 1948 | 0.0 | 0.0 | 26.0 | 67.0 | 116.0 | 81.5 | 261.7 | 34.6 | 49.1 | 5.5 | 0.0 | 4.5 | 645.9 | 645.9 |
| 1949 | 0.0 | 6.5 | 20.0 | 0.0 | 285.3 | 124.8 | 18.0 | 38.1 | 6.6 | 0.0 | 0.0 | 4.4 | 503.7 | 503.7 |
| 1950 | 0.0 | 0.0 | 11.7 | 126.4 | 235.8 | 83.0 | 5.7 | 128.4 | 84.8 | 18.4 | 55.4 | 0.0 | 763.6 | 763.6 |
| 1951 | 0.0 | 0.0 | 0.0 | 8.2 | 89.3 | 271.8 | 226.6 | 3.6 | 47.3 | 2.0 | 6.1 | 1.7 | 656.6 | 656.6 |
| 1952 | 0.0 | 0.0 | 0.0 | 0.0 | 151.3 | 146.5 | 87.2 | 16.6 | 17.4 | 20.5 | 0.0 | 0.0 | 439.5 | 439.5 |
| 1953 | 13.6 | 0.0 | 0.0 | 61.4 | 242.7 | 60.2 | 183.7 | 186.3 | 134.6 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1954 | 0.0 | 18.5 | 0.0 | 73.2 | 60.9 | 215.0 | 105.2 | 63.2 | 37.4 | 0.0 | 0.0 | -1.0 | -1.0 | -1.0 |
| 1955 | 0.0 | 0.0 | 0.0 | 0.0 | 65.5 | 220.5 | 17.7 | 79.2 | 31.1 | -1.0 | -1.0 | 30.0 | -1.0 | -1.0 |
| 1956 | 0.0 | 6.9 | 32.6 | 66.6 | 67.9 | 60.0 | 199.2 | 81.6 | 30.7 | 8.9 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1957 | 0.0 | 0.0 | 0.0 | 14.6 | 205.9 | 30.2 | 120.3 | 73.5 | 23.3 | 18.2 | 0.0 | 21.7 | 507.7 | 507.7 |
| 1958 | 0.0 | 0.0 | 0.0 | 10.7 | 213.0 | 186.1 | 7.5 | 168.4 | -1.0 | -1.0 | 14.8 | 0.0 | -1.0 | -1.0 |
| 1959 | 53.0 | 0.0 | 34.1 | 135.1 | 52.4 | 159.8 | 135.3 | 50.2 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1960 | 0.0 | 6.9 | 32.6 | 66.6 | 67.9 | 60.0 | 199.2 | 81.6 | 30.7 | 8.9 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1961 | 13.0 | 0.0 | 63.7 | 3.3 | 25.0 | 192.3 | 106.7 | 188.4 | 122.7 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1962 | 0.0 | 0.0 | 0.0 | 27.0 | 13.3 | 174.3 | 12.9 | 78.0 | 23.2 | 25.7 | 0.0 | -1.0 | -1.0 | -1.0 |
| 1963 | 0.0 | 0.0 | 16.7 | 0.0 | 74.1 | 66.3 | 197.5 | 235.3 | 119.6 | 12.9 | 36.0 | 0.0 | 758.4 | 758.4 |
| 1964 | 8.0 | 0.0 | 0.0 | 18.0 | 5.0 | 96.0 | 101.0 | 140.0 | 7.0 | 0.0 | 20.0 | 40.0 | 435.0 | 435.0 |
| 1965 | 0.0 | 0.0 | 0.0 | 82.0 | 120.0 | 29.0 | 377.0 | 293.0 | 15.0 | 40.0 | 18.0 | 8.0 | 982.0 | 982.0 |
| 1966 | 0.0 | 0.0 | 0.0 | 102.0 | 48.0 | 468.0 | 115.0 | 83.0 | 13.0 | 13.0 | 0.0 | 33.0 | 875.0 | 875.0 |
| 1967 | 0.0 | 0.0 | 0.0 | 0.1 | 64.0 | -1.0 | 178.0 | 34.0 | 38.0 | 36.0 | 9.0 | 0.0 | -1.0 | -1.0 |
| | MIN | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 7.0 | 5.7 | 3.6 | 0.0 | 0.0 | 0.0 | 0.0 | 347.0 |
| | MAX | 67.0 | 61.5 | 63.7 | 135.1 | 334.0 | 468.0 | 377.0 | 361.2 | 148.0 | 65.0 | 55.4 | 43.0 | 1155.0 |
| | PROM | 7.8 | 4.6 | 8.3 | 35.5 | 108.9 | 162.5 | 135.2 | 110.9 | 40.7 | 20.5 | 11.6 | 7.7 | 669.6 |
| | DESV | 17.9 | 12.2 | 14.1 | 39.1 | 82.0 | 99.7 | 101.1 | 82.7 | 37.5 | 17.6 | 15.4 | 12.6 | 218.2 |
| | CV | 2.3 | 2.7 | 1.7 | 1.1 | 0.8 | 0.6 | 0.7 | 0.7 | 0.9 | 0.9 | 1.3 | 1.6 | 0.3 |
| | ***** | | | | | | | | | | | | | |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCENCCIDOS

PRECIPITACIONES (MM)

| ***** | | | | | | | | | | | | | |
|---------------------------------------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|--------|
| ZONA 5 HOYA 305 RAPEL SUP 14503 (KM2) | | | | | | | | | | | | | |
| EST 56 SAN JOSE DEL CARMEN | | | | | | | | | | | | | |
| LAT 3433 LON 7123 ALT 138 (MTS) | | | | | | | | | | | | | |
| ANC | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
| ***** | | | | | | | | | | | | | |
| 1918 | 0.0 | 0.0 | 20.0 | 36.5 | 114.5 | 149.1 | 76.5 | 69.3 | 72.3 | 0.0 | 42.3 | 0.0 | 580.5 |
| 1919 | 0.0 | 0.0 | 7.0 | 136.5 | 331.8 | 128.7 | 242.4 | 50.8 | 70.7 | 6.0 | 22.2 | 10.5 | 996.6 |
| 1920 | 0.0 | 0.0 | 0.0 | 0.0 | 237.7 | 293.0 | 27.0 | 22.6 | 18.5 | 26.7 | 16.5 | 19.5 | 661.5 |
| 1921 | 0.0 | 0.0 | 25.0 | 33.5 | 400.5 | 135.5 | 13.5 | 62.0 | 0.0 | 23.0 | 5.5 | 0.0 | 698.5 |
| 1922 | 8.0 | 0.0 | 29.5 | 5.0 | 40.0 | 362.0 | 125.5 | 128.1 | 35.0 | 54.2 | 0.0 | 0.0 | 787.3 |
| 1923 | 0.0 | 0.0 | 0.0 | 0.0 | 7.5 | 211.5 | 159.5 | 97.5 | 0.0 | 93.5 | 9.5 | 0.0 | 579.0 |
| 1924 | 0.0 | 0.0 | 21.0 | 0.0 | 3.0 | 40.0 | 22.5 | 28.0 | 12.5 | 0.0 | 0.0 | 0.0 | 127.0 |
| 1925 | 0.0 | 0.0 | 0.0 | 35.0 | 23.0 | 99.0 | 165.0 | 12.5 | 215.0 | 18.5 | 0.0 | 0.0 | 568.0 |
| 1926 | 0.0 | 0.0 | 27.5 | 0.0 | 132.5 | 561.6 | 401.0 | 79.5 | 23.5 | 28.0 | 0.0 | 11.0 | 1264.6 |
| 1927 | 0.0 | 0.0 | 0.0 | 3.5 | 158.5 | 205.0 | 173.5 | 44.0 | 132.0 | 9.0 | 11.5 | 0.0 | 737.0 |
| 1928 | 0.0 | 6.5 | 14.0 | 151.0 | 164.0 | 292.0 | 140.5 | 41.0 | 18.0 | 3.0 | 11.0 | 0.0 | 841.0 |
| 1929 | 19.0 | 0.0 | 0.0 | 4.0 | 127.0 | 124.0 | 27.0 | 223.0 | 91.0 | 12.0 | 0.0 | 16.0 | 643.0 |
| 1930 | 0.0 | 0.0 | 0.0 | 90.0 | 13.0 | 410.0 | 342.0 | 231.0 | 18.0 | 81.0 | 69.0 | 33.0 | 1287.0 |
| 1931 | 64.0 | 4.0 | 0.0 | 47.0 | 73.0 | 126.0 | 246.0 | 228.0 | 87.0 | 5.0 | 8.0 | 0.0 | 888.0 |
| 1932 | 0.0 | 0.0 | 14.0 | 10.0 | 55.0 | 259.0 | 240.0 | 157.0 | 36.0 | 65.0 | 0.0 | 20.0 | 856.0 |
| 1933 | 98.0 | 0.0 | 0.0 | 14.0 | 96.0 | 158.0 | 93.0 | 94.0 | 20.0 | 37.0 | 0.0 | 0.0 | 610.0 |
| 1934 | 0.0 | 0.0 | 6.0 | 0.0 | 412.0 | 490.0 | 47.0 | 30.0 | 14.0 | 34.0 | 0.0 | 0.0 | 1033.0 |
| 1935 | 0.0 | 0.0 | 0.0 | 25.0 | 100.0 | 212.0 | 96.0 | 92.0 | 39.0 | 37.0 | 6.0 | 0.0 | 607.0 |
| 1936 | 0.0 | 0.0 | 0.0 | 52.0 | 299.0 | 174.0 | 170.0 | 103.0 | 42.0 | 3.0 | 0.0 | 17.0 | 860.0 |
| 1937 | 0.0 | 8.0 | 0.0 | 0.0 | 122.0 | 276.0 | 192.0 | 215.0 | 41.0 | 15.0 | 28.0 | 0.0 | 897.0 |
| 1938 | 0.0 | 0.0 | 25.0 | 0.0 | 144.0 | 124.0 | 114.0 | 15.0 | 22.0 | 27.0 | 44.0 | 0.0 | 515.0 |
| 1939 | 0.0 | 0.0 | 0.0 | 0.0 | 120.0 | 233.0 | 4.0 | 161.0 | 22.0 | 39.0 | 0.0 | 22.0 | 601.0 |
| 1940 | 0.0 | 53.0 | 0.0 | 100.0 | 152.0 | 238.0 | 435.0 | 15.0 | 72.0 | 54.0 | 20.0 | 12.0 | 1151.0 |
| 1941 | 0.0 | 21.0 | 26.0 | 66.0 | 290.0 | 194.0 | 371.0 | 196.0 | 9.0 | 25.0 | 48.0 | 2.0 | 1248.0 |
| 1942 | 0.0 | 0.0 | 8.0 | 1.0 | 88.0 | 102.0 | 147.0 | 232.0 | 16.0 | 35.0 | 49.0 | 0.0 | 678.0 |
| 1943 | 0.0 | 0.0 | 8.0 | 26.0 | 89.0 | 201.0 | 141.0 | 96.0 | 184.0 | 14.0 | 8.0 | 0.0 | 767.0 |
| 1944 | 2.0 | 2.0 | 0.0 | 35.0 | 106.0 | 232.0 | 52.0 | 296.5 | 6.5 | 51.5 | 2.0 | 0.0 | 785.5 |
| 1945 | 0.0 | 70.0 | 25.0 | 21.0 | 13.0 | 6.5 | 67.0 | 97.5 | 32.5 | 14.0 | 49.0 | 0.0 | 395.5 |
| 1946 | 63.0 | 0.0 | 0.0 | 9.0 | 62.0 | 115.0 | 107.5 | 29.0 | 28.5 | 24.0 | 15.5 | 5.5 | 459.0 |
| 1947 | 0.0 | 0.0 | 6.0 | 73.5 | 52.5 | 187.0 | 62.0 | 83.0 | 43.5 | 30.0 | 0.0 | 0.0 | 537.5 |
| 1948 | 0.0 | 0.0 | 0.0 | 81.5 | 132.5 | 83.5 | 315.5 | 46.0 | 59.0 | 15.5 | 0.0 | 4.0 | 737.5 |
| 1949 | 0.0 | 9.5 | 32.5 | 0.0 | 336.0 | 95.0 | 30.5 | 45.5 | 9.4 | 0.0 | 0.0 | 9.5 | 561.9 |
| 1950 | 0.0 | 0.0 | 7.3 | 154.0 | 285.0 | 94.0 | 13.5 | 152.5 | 73.0 | 28.0 | 58.7 | 0.0 | 866.0 |
| 1951 | 0.0 | 2.0 | 4.0 | 27.8 | 104.2 | 364.8 | 291.5 | 38.0 | 50.5 | 1.5 | 3.5 | 0.0 | 887.8 |
| 1952 | 0.0 | 0.0 | 14.0 | 0.0 | 179.5 | 161.0 | 116.0 | 25.5 | 14.5 | 19.0 | 0.0 | 0.0 | 529.5 |
| 1953 | 8.7 | 0.0 | 0.0 | 43.3 | 313.5 | 57.0 | 172.0 | 252.0 | 203.0 | 18.3 | 0.0 | 6.0 | 1073.8 |
| 1954 | 0.0 | 3.0 | 0.0 | 42.5 | 93.5 | 259.5 | 150.0 | 32.5 | 30.5 | 9.0 | 0.0 | 27.0 | 647.5 |
| 1955 | 0.0 | 0.0 | 0.0 | 7.5 | 63.0 | 246.0 | 23.5 | 77.5 | 21.0 | 13.0 | 4.0 | 18.3 | 473.8 |
| 1956 | 23.0 | 3.5 | 48.5 | 56.0 | 80.5 | 61.5 | 203.5 | 107.5 | 33.0 | 26.5 | 0.0 | 0.0 | 643.5 |
| 1957 | 0.0 | 0.0 | 0.0 | 17.0 | 264.0 | 31.0 | 130.5 | 66.5 | 19.0 | 14.0 | 0.0 | 30.0 | 572.0 |
| 1958 | 0.0 | 0.0 | 0.0 | 5.5 | 146.5 | 309.0 | 18.0 | 198.0 | 104.9 | 0.0 | 8.0 | 0.0 | 789.9 |
| 1959 | 30.0 | 5.5 | 38.0 | 142.6 | 69.5 | 208.0 | 159.0 | 48.0 | 46.5 | 37.0 | 0.0 | 0.0 | 784.1 |
| 1960 | 0.0 | 0.0 | 6.5 | 9.0 | 41.0 | 192.5 | 128.0 | 77.5 | 16.0 | 38.0 | 0.0 | 0.0 | 508.5 |
| 1961 | 26.5 | 0.0 | 51.0 | 3.0 | 33.0 | 204.5 | 115.5 | 232.0 | 114.0 | 7.5 | 0.0 | 0.0 | 787.0 |
| 1962 | 1.0 | 0.0 | 7.0 | 24.5 | 18.5 | 193.0 | 17.5 | 75.5 | 23.5 | 21.5 | 0.0 | 0.0 | 382.0 |
| 1963 | 0.0 | 0.0 | 19.0 | 0.0 | 92.5 | 115.0 | 218.0 | 203.5 | 129.0 | 16.5 | 44.5 | 0.0 | 838.0 |
| 1964 | 2.0 | 0.0 | 0.0 | 18.0 | 8.0 | 120.0 | 104.0 | 158.0 | 5.0 | 0.0 | 12.0 | -1.0 | -1.0 |
| 1965 | 0.0 | 0.0 | 0.0 | 97.0 | 107.0 | 44.0 | 401.0 | 265.0 | 0.0 | 35.0 | 10.0 | 22.0 | 981.0 |
| 1966 | 0.0 | 0.0 | 0.0 | 95.0 | 46.0 | 468.0 | 12.0 | 80.0 | 30.0 | 5.0 | -1.0 | 15.0 | -1.0 |
| 1967 | 0.0 | 0.0 | 0.0 | 0.0 | 67.0 | 60.0 | 190.0 | 33.0 | 54.0 | 38.0 | 0.0 | 0.0 | 442.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 6.5 | 4.0 | 12.5 | 0.0 | 0.0 | 0.0 | 0.0 | 127.0 |
| MAX | 98.0 | 70.0 | 51.0 | 154.0 | 412.0 | 561.6 | 435.0 | 296.5 | 215.0 | 93.5 | 69.0 | 33.0 | 1287.0 |
| PROM | 6.9 | 3.8 | 9.8 | 36.0 | 130.1 | 194.1 | 146.2 | 108.9 | 49.1 | 24.2 | 12.4 | 6.1 | 732.6 |
| DESV | 19.1 | 12.5 | 13.6 | 44.0 | 106.6 | 120.8 | 112.8 | 79.7 | 50.7 | 20.6 | 18.6 | 9.4 | 241.8 |
| DCV | 2.8 | 3.3 | 1.4 | 1.2 | 0.8 | 0.6 | 0.8 | 0.7 | 1.0 | 0.9 | 1.5 | 1.5 | 0.3 |

PRECIPITACIONES (MM)

 ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)
 EST 57 RANQUIHUE
 LAT 3433 LON 7137 ALT 1140 (MTS)

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|--------|
| 1926 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 622.5 | 308.0 | 83.5 | 44.5 | 22.0 | 0.0 | 13.5 | -1.0 |
| 1927 | 0.0 | 0.0 | 0.0 | 1.8 | 109.0 | 131.0 | 126.0 | 40.0 | 88.5 | 17.0 | 13.5 | 0.0 | 526.8 |
| 1928 | 0.0 | 7.8 | 12.5 | 193.5 | 132.0 | 324.2 | 105.0 | 42.3 | 17.0 | 24.0 | 8.0 | 2.0 | 868.3 |
| 1929 | 46.0 | 0.0 | 0.0 | 1.0 | 80.0 | 108.0 | 38.0 | 212.0 | 86.0 | 20.0 | 1.0 | 11.0 | 603.0 |
| 1930 | 0.0 | 0.0 | 0.0 | 95.0 | 27.0 | 311.0 | 380.0 | 185.0 | 18.0 | 80.0 | 34.0 | 36.0 | 1166.0 |
| 1931 | 28.0 | 2.0 | 0.0 | 40.0 | 57.0 | 200.0 | 260.0 | 198.0 | 123.0 | 0.0 | 10.0 | 0.0 | 918.0 |
| 1932 | 0.0 | 0.0 | 3.0 | 9.0 | 66.0 | 251.0 | 245.0 | 172.0 | 36.0 | 38.0 | 0.0 | 16.0 | 836.0 |
| 1933 | 87.0 | 0.0 | 0.0 | 13.0 | 83.0 | 189.0 | 109.0 | 86.0 | 20.0 | 41.0 | 0.0 | 0.0 | 628.0 |
| 1934 | 0.0 | 0.0 | 3.0 | 0.0 | 262.0 | 331.0 | 23.0 | 15.0 | 12.0 | 22.0 | 0.0 | 0.0 | 668.0 |
| 1939 | 0.0 | 0.0 | 0.0 | 0.0 | 75.0 | 257.0 | 0.0 | 140.0 | 0.0 | 0.0 | 0.0 | 0.0 | 472.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 27.0 | 108.0 | 0.0 | 15.0 | 0.0 | 0.0 | 0.0 | 0.0 | 472.0 |
| MAX | 87.0 | 7.8 | 12.5 | 193.5 | 262.0 | 622.5 | 380.0 | 212.0 | 123.0 | 80.0 | 34.0 | 36.0 | 1166.0 |
| PROM | 17.9 | 1.1 | 2.1 | 39.3 | 99.0 | 272.5 | 159.4 | 117.4 | 44.5 | 26.4 | 6.6 | 7.8 | 742.9 |
| DESV | 30.8 | 2.5 | 4.1 | 65.6 | 68.0 | 145.3 | 130.6 | 72.8 | 40.8 | 23.1 | 10.9 | 11.8 | 221.5 |
| CV | 1.7 | 2.4 | 2.0 | 1.7 | 0.7 | 0.5 | 0.8 | 0.6 | 0.9 | 0.9 | 1.6 | 1.5 | 0.3 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCENCCIDOS

PRECIPITACIONES (MM)

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*****
ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)
EST 58 SAN FERNANDC ENDESA
LAT 3435 LON 7100 ALT 330 (MTS)
*****
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
*****
1964 0.0 0.0 0.0 6.0 4.0 108.0 127.0 135.0 1.0 6.0 3.0 44.0 434.0
1965 0.0 0.0 0.0 111.0 95.0 56.0 260.0 318.0 16.0 66.0 22.0 8.0 952.0
1966 0.0 0.0 0.0 162.0 40.0 82.0 189.0 78.0 6.0 19.0 12.0 32.0 1020.0
1967 0.0 0.0 0.0 0.0 112.0 76.0 168.0 42.0 -1.0 -1.0 -1.0 -1.0 -1.0
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PRECIPITACIONES (MM)

ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)

EST 59 HDA BELLA VISTA

LAT 3435 LON 7034 ALT 1100 (MTS)

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|-------|------|------|-------|-------|-------|-------|-------|-------|------|-------|------|--------|
| 1945 | -1.0 | -1.0 | -1.0 | 64.4 | 80.1 | 19.8 | 166.6 | 206.2 | 61.0 | 18.4 | 128.1 | 3.6 | -1.0 |
| 1946 | 110.0 | 0.0 | 0.0 | 17.7 | 117.7 | 104.0 | 144.1 | 46.8 | 49.3 | 90.5 | 32.6 | 0.0 | 712.7 |
| 1947 | 0.0 | 0.0 | 4.7 | 36.6 | 149.8 | 341.3 | 43.3 | 164.1 | 102.4 | 64.5 | 0.0 | 0.0 | 906.7 |
| 1948 | 0.0 | 7.7 | 6.1 | 96.0 | 154.2 | 140.1 | 642.3 | 102.5 | 142.7 | 35.1 | 0.0 | 12.0 | 1338.7 |
| 1949 | 0.0 | 14.0 | 67.5 | 0.0 | 652.2 | 137.0 | 51.0 | 95.1 | 12.3 | 0.0 | 0.0 | 40.0 | 1069.1 |
| 1950 | 0.0 | 0.0 | 28.5 | 158.7 | 247.7 | 169.0 | 28.0 | 244.0 | 151.0 | 56.5 | 122.5 | 0.0 | 1205.9 |
| 1951 | 0.0 | 0.0 | 22.0 | 19.5 | 135.3 | 426.5 | 511.0 | 45.0 | 155.0 | 6.5 | 0.0 | 0.0 | 1320.8 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 80.1 | 19.8 | 28.0 | 45.0 | 12.3 | 0.0 | 0.0 | 0.0 | 712.7 |
| MAX | 110.0 | 14.0 | 67.5 | 158.7 | 652.2 | 426.5 | 642.3 | 244.0 | 155.0 | 90.5 | 128.1 | 40.0 | 1338.7 |
| PROM | 18.3 | 3.6 | 21.5 | 56.1 | 219.6 | 191.1 | 226.6 | 129.1 | 96.2 | 38.8 | 40.5 | 7.9 | 1092.3 |
| DESV | 44.9 | 5.9 | 25.1 | 55.6 | 197.5 | 142.0 | 247.6 | 77.5 | 56.5 | 33.2 | 59.2 | 14.8 | 246.9 |
| CV | 2.4 | 1.6 | 1.2 | 1.0 | 0.9 | 0.7 | 1.1 | 0.6 | 0.6 | 0.9 | 1.5 | 1.9 | 0.2 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)
 EST 60 SAN FERNANCO
 LAT 3435 LON 7100 ALT 350 (MTS)

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|
| 1886 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 64.0 | 15.0 | 4.0 | 28.0 | 12.0 | -1.0 |
| 1887 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 248.0 | 41.0 | 329.0 | 131.0 | 20.0 | 18.0 | 9.0 | -1.0 |
| 1888 | 0.0 | 0.0 | 3.0 | 38.0 | 132.0 | 261.0 | 480.0 | 458.0 | 252.0 | 41.0 | 11.0 | 0.0 | 1676.0 |
| 1889 | 0.0 | 0.0 | 12.0 | 12.0 | 121.0 | 83.0 | 222.0 | 112.0 | 0.0 | 0.0 | 0.0 | 5.0 | 567.0 |
| 1890 | 11.0 | 0.0 | 3.0 | 32.0 | 2.0 | 98.0 | 112.0 | 38.0 | 43.0 | 0.0 | 0.0 | 4.0 | 343.0 |
| 1891 | 0.0 | 0.0 | 0.0 | 25.0 | 165.0 | 322.0 | 658.0 | 92.0 | 50.0 | 196.0 | 5.0 | 2.0 | 1515.0 |
| 1892 | 46.0 | 0.0 | 0.0 | 1.0 | 11.0 | 0.0 | 15.0 | 115.0 | 10.0 | 3.0 | 20.0 | 0.0 | 221.0 |
| 1910 | 0.0 | 0.0 | 4.0 | 21.0 | 17.0 | 222.0 | 106.0 | 99.0 | 0.0 | 2.0 | 21.5 | 2.0 | 494.5 |
| 1911 | 0.0 | 0.0 | 0.0 | 114.0 | 77.0 | 105.0 | 46.7 | 25.5 | 21.0 | 0.0 | 4.0 | 49.5 | 442.7 |
| 1912 | 0.0 | 0.0 | 6.0 | 98.8 | 220.9 | 216.0 | 9.9 | 113.7 | 13.0 | 12.7 | 15.5 | 0.0 | 707.3 |
| 1913 | 0.0 | 8.0 | 0.0 | 5.3 | 172.7 | 53.1 | 224.4 | 30.8 | 41.8 | 3.0 | 0.0 | 0.6 | 539.7 |
| 1914 | 0.0 | 0.0 | 0.0 | 13.6 | 205.0 | 406.0 | 397.5 | 178.9 | 128.4 | 142.0 | 146.2 | 0.0 | 1617.6 |
| 1915 | 0.0 | 0.0 | 16.7 | 66.5 | 318.8 | 104.0 | 98.8 | 39.7 | 0.3 | 2.8 | 4.5 | 0.0 | 650.1 |
| 1916 | 5.9 | 0.0 | 40.5 | 13.3 | 30.7 | 12.3 | 83.7 | 66.3 | 49.4 | 3.6 | 113.9 | 0.0 | 419.6 |
| 1917 | 0.0 | 0.0 | 0.8 | 23.1 | 82.5 | 234.6 | 13.6 | 61.7 | 116.7 | 0.0 | 0.7 | 17.5 | 551.2 |
| 1918 | 0.0 | 0.0 | 30.5 | 104.8 | 65.5 | 173.4 | 85.1 | 90.0 | 169.6 | 9.2 | 61.2 | 2.2 | 791.6 |
| 1919 | 0.0 | 0.0 | 2.1 | 158.6 | 411.4 | 175.0 | 318.2 | 117.8 | 75.7 | 11.1 | 18.7 | 9.2 | 1297.8 |
| 1920 | 0.0 | 0.0 | 0.0 | 0.0 | 187.9 | 296.9 | 43.4 | 22.8 | 7.2 | 21.9 | 11.5 | 23.0 | 614.6 |
| 1921 | 0.0 | 0.0 | 12.8 | 35.3 | 467.6 | 135.1 | 9.2 | 170.6 | 6.2 | 6.8 | 0.4 | 0.0 | 844.7 |
| 1922 | 21.4 | 0.0 | 17.7 | 1.0 | 44.0 | 310.4 | 107.3 | 141.5 | 43.5 | 34.5 | 0.7 | 0.0 | 722.0 |
| 1923 | 0.0 | 0.0 | 0.0 | 0.2 | 17.4 | 245.3 | 131.7 | 125.8 | 5.0 | 74.5 | 8.7 | 1.0 | 659.6 |
| 1924 | 0.0 | 0.0 | 21.7 | 0.0 | 6.4 | 36.0 | 31.6 | 39.3 | 28.1 | 0.7 | 0.0 | 0.0 | 163.7 |
| 1925 | 0.0 | 0.7 | 0.0 | 27.9 | 44.8 | 69.0 | 129.0 | 12.1 | 308.0 | 14.3 | 2.0 | 0.0 | 603.8 |
| 1926 | 0.0 | 0.1 | 34.2 | 0.3 | 101.8 | 625.0 | 469.2 | 65.7 | 18.9 | 30.3 | 0.0 | 5.9 | 1351.4 |
| 1927 | 0.0 | 0.0 | 0.0 | 1.2 | 253.7 | 168.5 | 207.5 | 52.7 | 202.7 | 13.9 | 24.4 | 3.5 | 931.1 |
| 1929 | 45.0 | 0.0 | 11.7 | 21.7 | 239.6 | 353.2 | 110.8 | 27.8 | 34.1 | 7.8 | 13.4 | 0.0 | 910.8 |
| 1930 | 0.0 | 0.2 | 0.1 | 3.0 | 109.0 | 165.0 | 58.0 | 280.0 | 88.0 | 12.0 | 4.0 | 27.0 | 796.1 |
| 1931 | 52.0 | 4.0 | 0.0 | 36.0 | 60.0 | 418.0 | 379.0 | 254.0 | 18.0 | 57.0 | 71.0 | 16.0 | 1252.3 |
| 1932 | 0.0 | 0.2 | 15.0 | 7.0 | 42.0 | 252.0 | 278.0 | 172.0 | 22.0 | 44.0 | 28.0 | 0.0 | 760.0 |
| 1933 | 77.0 | 6.0 | 0.0 | 0.1 | 101.0 | 214.0 | 70.0 | 142.0 | 30.0 | 43.0 | 0.0 | 4.0 | 871.2 |
| 1934 | 1.0 | 0.0 | 9.0 | 0.0 | 383.0 | 397.0 | 29.0 | 37.0 | 12.0 | 57.0 | 16.0 | 2.0 | 943.1 |
| 1935 | 0.0 | 0.0 | 0.0 | 13.0 | 108.0 | 192.0 | 99.0 | 78.0 | 75.0 | 36.0 | 4.0 | 0.0 | 605.0 |
| 1936 | 0.0 | 0.0 | 0.0 | 68.0 | 257.0 | 170.0 | 145.0 | 105.0 | 33.0 | 1.0 | 1.0 | 29.0 | 799.0 |
| 1937 | 0.0 | 29.0 | 0.0 | 3.0 | 129.0 | 248.0 | 261.0 | 151.0 | 40.0 | 15.0 | 27.0 | 0.0 | 903.0 |
| 1938 | 0.0 | 7.0 | 46.0 | 2.0 | 130.0 | 76.0 | 67.0 | 26.0 | 16.0 | 42.0 | 33.0 | 0.0 | 445.0 |
| 1939 | 0.1 | 0.0 | 0.0 | 2.0 | 158.0 | 271.0 | 35.0 | 146.0 | 21.0 | 75.0 | 2.0 | 30.0 | 740.1 |
| 1940 | 0.0 | 27.0 | 0.0 | 105.0 | 148.0 | 241.0 | 393.0 | 22.0 | 82.0 | 50.0 | 19.0 | 3.0 | 1070.0 |
| 1941 | 0.0 | 15.0 | 53.0 | 115.0 | 290.0 | 203.0 | 404.0 | 278.0 | 5.0 | 42.0 | 54.0 | 7.0 | 1466.0 |
| 1942 | 0.0 | 0.0 | 27.0 | 2.0 | 63.0 | 101.0 | 155.0 | 207.0 | 23.0 | 28.0 | 67.0 | 3.0 | 676.0 |
| 1943 | 0.0 | 0.0 | 15.0 | 20.0 | 82.0 | 135.0 | 83.0 | 72.0 | 164.0 | 22.0 | 5.0 | 0.0 | 598.0 |
| 1944 | 0.2 | 32.0 | 0.0 | 26.0 | 118.0 | 197.8 | 43.3 | 301.0 | 17.3 | 59.6 | 7.2 | 0.0 | 803.0 |
| 1945 | 0.1 | 107.8 | 48.2 | 26.5 | 14.5 | 6.8 | 57.5 | 132.2 | 38.1 | 4.5 | 61.1 | 0.0 | 497.3 |
| 1946 | 77.0 | 0.0 | 0.0 | 15.9 | 85.9 | 96.5 | 115.1 | 32.3 | 27.3 | 35.8 | 16.0 | 0.0 | 501.8 |
| 1947 | 0.0 | 0.0 | 0.2 | 29.4 | 66.9 | 175.3 | 34.2 | 63.7 | 47.7 | 49.3 | 0.0 | 0.0 | 466.7 |
| 1948 | 0.0 | 0.2 | 0.9 | 80.3 | 102.9 | 119.1 | 410.1 | 55.4 | 45.7 | 19.8 | 0.0 | 0.8 | 835.2 |
| 1949 | 0.0 | 5.8 | 33.5 | 0.1 | 394.7 | 78.1 | 25.6 | 57.9 | 2.5 | 0.2 | 0.0 | 14.0 | 611.8 |
| 1950 | 0.0 | 0.0 | 7.7 | 168.7 | 235.1 | 113.8 | 9.5 | 130.4 | 62.9 | 43.9 | 63.0 | 0.0 | 835.6 |
| 1951 | 0.0 | 0.8 | 15.2 | 22.3 | 84.5 | 380.4 | 350.5 | 34.0 | 73.9 | 0.0 | 2.0 | 1.8 | 965.4 |
| 1952 | 0.0 | 2.0 | 5.0 | 0.0 | 133.2 | 262.1 | 96.5 | 67.0 | 47.5 | 81.0 | 2.0 | 0.0 | 696.3 |

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|
| 1961 | 23.0 | 0.0 | 28.5 | 4.5 | 34.0 | 281.5 | 96.0 | -1.0 | 108.0 | 23.0 | 0.0 | 1.0 | -1.0 |
| 1962 | 0.0 | 0.0 | 0.0 | 2.5 | 19.5 | 267.5 | 23.0 | 58.5 | 23.0 | 39.0 | 2.0 | 0.0 | 47.0 |
| 1963 | 0.0 | 0.0 | 39.0 | 0.0 | 83.5 | 120.5 | 246.5 | 251.5 | 124.0 | 26.0 | 51.0 | 0.0 | 942.0 |
| 1964 | 0.9 | 0.0 | 2.0 | 5.0 | 0.6 | 77.0 | 89.0 | 166.0 | 0.5 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1965 | 0.0 | 0.0 | 0.0 | 89.0 | 72.0 | 50.0 | 223.0 | 301.0 | 10.0 | 62.0 | 20.0 | 51.0 | 878.0 |
| 1966 | 0.0 | 0.0 | 0.4 | -1.0 | 38.0 | 510.0 | 205.0 | 95.0 | 9.2 | 11.0 | 10.0 | 33.0 | -1.0 |
| 1967 | 1.9 | 0.0 | 0.0 | 0.5 | 99.0 | 55.0 | 139.0 | 36.0 | 17.0 | 3.8 | 3.0 | -1.0 | -1.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 9.5 | 12.1 | 0.0 | 0.0 | 0.0 | 0.0 | 163.7 |
| MAX | 77.0 | 107.8 | 53.0 | 168.7 | 467.6 | 625.0 | 658.0 | 458.0 | 308.0 | 196.0 | 146.2 | 51.0 | 1676.0 |
| PROM | 6.6 | 4.7 | 10.2 | 32.7 | 128.5 | 196.0 | 161.3 | 117.6 | 54.4 | 29.7 | 19.6 | 7.1 | 778.8 |
| DESV | 18.0 | 15.9 | 14.8 | 43.0 | 112.1 | 128.0 | 147.3 | 93.9 | 63.7 | 35.4 | 29.3 | 12.2 | 336.4 |
| CV | 2.7 | 3.4 | 1.5 | 1.3 | 0.9 | 0.7 | 0.9 | 0.8 | 1.2 | 1.2 | 1.5 | 1.7 | 0.4 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)

EST 61 MILLARUE

LAT 3438 LON 7118 ALT 170 (MTS)

544

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|
| 1918 | 0.0 | 0.0 | 24.0 | 56.7 | 97.6 | 171.7 | 99.6 | 73.4 | 96.4 | 1.8 | 43.7 | 2.0 | 666.9 |
| 1919 | 0.0 | 0.0 | 12.4 | 182.4 | 370.7 | 183.6 | 293.2 | 68.5 | 94.8 | 5.9 | 14.5 | 13.5 | 1239.5 |
| 1920 | 0.0 | 0.0 | 0.0 | 0.0 | 280.7 | 311.0 | 30.0 | 37.4 | 20.3 | 36.5 | 29.3 | 40.2 | 785.4 |
| 1921 | 0.0 | 0.4 | 7.6 | 48.3 | 480.5 | 127.1 | 8.3 | 85.8 | 4.4 | 9.8 | 3.4 | 0.0 | 775.6 |
| 1922 | 11.0 | 0.0 | 21.4 | 7.8 | 36.2 | 447.8 | 146.7 | 210.9 | 46.5 | 42.1 | 0.5 | 0.0 | 970.9 |
| 1923 | 0.0 | 0.0 | 0.0 | 0.0 | 15.3 | 222.6 | 212.8 | 133.5 | 9.0 | 103.5 | 7.0 | 0.0 | 703.7 |
| 1924 | 0.0 | 0.0 | 14.0 | 0.0 | 2.1 | 32.9 | 27.0 | 25.6 | 37.1 | 0.0 | 0.0 | 0.0 | 138.7 |
| 1925 | 0.0 | 1.0 | 0.0 | 27.0 | 30.7 | 78.0 | 139.9 | 4.3 | 217.0 | 20.7 | 0.0 | 0.0 | 518.6 |
| 1926 | 0.0 | 1.5 | 37.8 | 0.0 | 127.7 | 537.6 | 386.6 | 78.3 | 21.0 | 46.2 | 0.0 | 12.5 | 1249.2 |
| 1927 | 0.0 | 0.0 | 0.0 | 1.1 | 235.5 | 205.2 | 172.7 | 78.5 | 191.3 | 0.0 | 0.0 | 0.0 | 884.3 |
| 1928 | 0.0 | 0.0 | 22.5 | 39.2 | 143.2 | 341.3 | 159.7 | 40.2 | 24.1 | 0.0 | 5.1 | 3.8 | 879.1 |
| 1929 | 20.0 | 0.0 | 0.0 | 4.0 | 141.0 | 128.0 | 32.0 | 227.0 | 93.0 | 31.0 | 0.0 | 34.0 | 710.0 |
| 1930 | 0.0 | 0.0 | 0.0 | 102.0 | 9.0 | 283.0 | 337.0 | 257.0 | 6.0 | 47.0 | 106.0 | 34.0 | 1181.0 |
| 1931 | 52.0 | 0.0 | 0.0 | 14.0 | 56.0 | 162.0 | 197.0 | 209.0 | 93.0 | 14.0 | 18.0 | 0.0 | 805.0 |
| 1932 | 0.0 | 0.0 | 13.0 | 10.0 | 56.0 | 294.0 | 262.0 | 171.0 | 29.0 | 63.0 | 0.0 | 24.0 | 922.0 |
| 1933 | 59.0 | 0.0 | 0.0 | 0.0 | 47.0 | 165.0 | 84.0 | 94.0 | 16.0 | 28.0 | 0.0 | 6.0 | 499.0 |
| 1934 | 0.0 | 0.0 | 0.0 | 0.0 | 326.0 | 475.0 | 36.0 | 42.0 | 9.0 | 12.0 | 0.0 | 0.0 | 900.0 |
| 1935 | 0.0 | 0.0 | 0.0 | 37.0 | 94.0 | 198.0 | 98.0 | 37.0 | 42.0 | 13.0 | 0.0 | 0.0 | 569.0 |
| 1936 | 0.0 | 0.0 | 0.0 | 32.0 | 313.0 | 176.0 | 135.0 | 85.0 | 28.0 | 14.0 | 7.0 | 13.0 | 803.0 |
| 1939 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 202.0 | 25.0 | 100.0 | 24.0 | 41.0 | 0.0 | 23.0 | -1.0 |
| 1940 | 0.0 | 41.0 | 0.0 | 73.0 | 129.0 | 246.0 | 296.0 | 25.0 | 75.0 | 46.0 | 14.0 | 10.0 | 955.0 |
| 1941 | 0.0 | 15.0 | 29.0 | 73.0 | 241.0 | 183.0 | 324.0 | 178.0 | 4.0 | 37.0 | 33.0 | 11.0 | 1128.0 |
| 1942 | 0.0 | 0.0 | 15.0 | 0.0 | 87.0 | 105.0 | 153.0 | 225.0 | 12.0 | 32.0 | 45.0 | 0.0 | 674.0 |
| 1943 | 0.0 | 0.0 | 21.0 | 17.0 | 79.0 | 180.0 | 101.0 | 98.0 | 200.0 | 12.0 | 8.0 | 0.0 | 716.0 |
| 1944 | 0.0 | 2.0 | 0.0 | 33.0 | 107.3 | 225.5 | 44.6 | 320.8 | 11.0 | 63.1 | 3.6 | 0.0 | 810.9 |
| 1945 | 0.0 | 83.4 | 24.3 | 21.7 | 16.1 | 4.6 | 58.1 | 99.6 | 42.6 | 8.0 | 72.8 | 0.0 | 431.2 |
| 1946 | 94.0 | 0.0 | 0.0 | 8.6 | 61.3 | 106.0 | 98.8 | 50.8 | 35.7 | 25.6 | 15.1 | 1.5 | 498.2 |
| 1947 | 0.0 | 0.0 | 1.1 | 77.4 | 58.4 | 192.1 | 70.4 | 71.9 | 61.0 | 26.5 | 0.0 | 0.0 | 558.8 |
| 1948 | 0.0 | 0.0 | 0.0 | 77.0 | 114.1 | 94.0 | 347.2 | 40.9 | 59.1 | 23.0 | 0.0 | 3.0 | 758.3 |
| 1949 | 0.0 | 6.3 | 32.1 | 0.0 | 301.1 | 105.9 | 33.6 | 37.9 | 13.5 | 0.0 | 0.0 | 4.2 | 534.6 |
| 1950 | 0.0 | 0.4 | 10.2 | 150.9 | 280.8 | 83.7 | 13.1 | 151.0 | 85.2 | 40.9 | 66.7 | 0.0 | 882.9 |
| 1951 | 3.0 | 3.1 | 4.0 | 18.9 | 79.5 | 261.6 | 238.2 | 23.9 | 40.1 | 2.4 | 0.0 | 3.2 | 677.9 |
| MIN | 0.0 | 0.0 | -0.0 | 0.0 | 2.1 | 4.6 | 8.3 | 4.0 | 4.0 | 0.0 | 0.0 | 0.0 | 138.7 |
| MAX | 94.0 | 83.4 | 37.8 | 182.4 | 480.5 | 537.6 | 386.6 | 320.8 | 217.0 | 103.5 | 106.0 | 40.2 | 1249.2 |
| PROM | 7.7 | 5.0 | 9.3 | 35.9 | 142.5 | 204.1 | 145.6 | 107.2 | 54.4 | 26.4 | 15.4 | 7.5 | 768.6 |
| DESV | 21.4 | 16.5 | 11.7 | 45.5 | 123.8 | 120.9 | 112.7 | 79.0 | 56.6 | 23.2 | 25.7 | 11.5 | 245.4 |
| CV | 2.8 | 3.3 | 1.3 | 1.3 | 0.9 | 0.6 | 0.8 | 0.7 | 1.0 | 0.9 | 1.7 | 1.5 | 0.3 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

FRECIPITACIONES (MM)

 ZCMA 5 HOYA 309 RAPEL SUP 14503 (KM2)
 EST 62 PLACILLA
 LAT 3438 LON 7108 ALT 254 (MTS)

548.

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|------|------|--------|
| 1921 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 117.0 | 16.9 | 74.7 | 3.6 | 7.9 | 0.0 | 0.0 | -1.0 |
| 1922 | 13.7 | 0.0 | 25.7 | 3.0 | 30.9 | 356.0 | 159.2 | 183.1 | 49.4 | 34.7 | 0.6 | 0.0 | 856.3 |
| 1923 | 0.0 | 0.0 | 0.0 | 0.0 | 11.3 | 269.9 | 165.2 | 124.1 | 4.5 | 98.5 | 5.7 | 0.0 | 679.2 |
| 1924 | 0.0 | 0.0 | 15.7 | 0.0 | 7.0 | 39.5 | 37.8 | 29.5 | 19.7 | 0.0 | 0.0 | 0.0 | 149.2 |
| 1925 | 0.0 | 0.0 | 0.0 | 24.6 | 57.5 | 72.3 | 148.1 | 4.2 | 233.7 | 10.5 | 0.0 | 0.0 | 550.9 |
| 1926 | 0.0 | 0.0 | 36.2 | 0.0 | 137.9 | 705.5 | 453.0 | 82.1 | 17.5 | 29.5 | 0.0 | 0.0 | 1461.7 |
| 1927 | 0.0 | 0.0 | 0.0 | 1.5 | 264.1 | 177.1 | 247.1 | 75.3 | 176.6 | 8.0 | 17.2 | 0.4 | 970.3 |
| 1928 | 0.0 | 2.3 | 16.0 | 90.6 | 213.7 | 332.9 | 154.4 | 37.8 | 23.5 | 0.0 | 9.5 | 0.0 | 880.7 |
| 1929 | 36.0 | 0.0 | 0.0 | 0.0 | -1.0 | -1.0 | 35.0 | 278.0 | 102.0 | 18.0 | 0.0 | 28.0 | -1.0 |
| 1930 | 0.0 | 0.0 | 0.0 | 84.0 | 13.0 | 407.0 | 415.0 | 285.0 | 30.0 | 103.0 | 72.0 | 26.0 | 1435.0 |
| 1931 | 50.0 | 2.0 | 0.0 | 24.0 | 73.0 | 135.0 | 202.0 | 180.0 | 64.0 | 5.0 | 22.0 | 0.0 | 757.0 |
| 1932 | 0.0 | 0.0 | 9.0 | 12.0 | 51.0 | 281.0 | 227.0 | 170.0 | 16.0 | 67.0 | 0.0 | 15.0 | 828.0 |
| 1933 | 38.0 | 6.0 | 0.0 | 5.0 | 97.0 | 180.0 | 76.0 | 138.0 | 33.0 | 58.0 | 0.0 | 4.0 | 635.0 |
| 1934 | 0.0 | 2.0 | 5.0 | 0.0 | 398.0 | 480.0 | 35.0 | 30.0 | 6.0 | 41.0 | 5.0 | 0.0 | 1002.0 |
| 1935 | 0.0 | 0.0 | 0.0 | 21.0 | 93.0 | 172.0 | 98.0 | 79.0 | 47.0 | 30.0 | 0.0 | 0.0 | 540.0 |
| 1936 | 0.0 | 0.0 | 0.0 | 52.0 | 297.0 | 186.0 | 164.0 | 97.0 | 55.0 | 4.0 | 0.0 | 0.0 | 835.0 |
| 1937 | 0.0 | 9.0 | 0.0 | 0.0 | 104.0 | 281.0 | 218.0 | 98.0 | 36.0 | 12.0 | 18.0 | 0.0 | 776.0 |
| 1938 | 0.0 | 0.0 | 83.0 | 1.0 | 130.0 | 74.0 | 84.0 | 12.0 | 19.0 | 35.0 | 28.0 | 0.0 | 466.0 |
| 1939 | 0.0 | 0.0 | 0.0 | 6.0 | 146.0 | 280.0 | 32.0 | 134.0 | 19.0 | 55.0 | 0.0 | 20.0 | 692.0 |
| 1940 | 0.0 | 41.0 | 0.0 | 112.0 | 132.0 | 226.0 | 343.0 | 21.0 | 58.0 | 50.0 | 15.0 | 10.0 | 1008.0 |
| 1941 | 0.0 | 8.0 | 38.0 | 100.0 | 320.0 | 182.0 | 372.0 | 206.0 | 11.0 | 32.0 | 54.0 | 11.0 | 1334.0 |
| 1942 | 0.0 | 0.0 | 18.0 | 0.2 | 80.0 | 101.0 | 204.0 | 201.0 | 16.0 | 26.0 | 55.0 | 0.0 | 701.0 |
| 1943 | 0.0 | 0.0 | 10.0 | 17.0 | 97.0 | 144.0 | 87.0 | 81.0 | 180.0 | 13.0 | 9.0 | 0.0 | 638.0 |
| 1944 | 0.0 | 5.0 | 0.0 | 33.0 | 135.5 | 217.9 | 25.9 | 319.9 | 7.1 | 54.6 | 4.8 | 0.0 | 803.8 |
| 1945 | 0.0 | 119.2 | 30.1 | 17.1 | 9.3 | 4.6 | 64.5 | 146.0 | 28.4 | 5.7 | 82.2 | 0.0 | 507.1 |
| 1946 | 76.5 | 0.0 | 0.0 | 9.6 | 70.0 | 98.0 | 98.9 | 33.7 | 19.6 | 18.6 | 16.0 | 6.7 | 447.6 |
| 1947 | 0.0 | 0.0 | 0.0 | 43.2 | 65.0 | 247.1 | 65.8 | 54.9 | 68.2 | 36.2 | 0.0 | 0.0 | 580.4 |
| 1948 | 0.0 | 2.8 | 0.4 | 86.4 | 126.0 | 121.6 | 427.4 | 40.3 | 43.6 | 24.3 | 0.0 | 1.0 | 873.8 |
| 1949 | 0.0 | 7.6 | 35.0 | 0.0 | 329.9 | 96.6 | 20.2 | 46.8 | 7.6 | 0.0 | 0.0 | 8.0 | 551.7 |
| 1950 | 0.0 | 0.0 | 7.1 | 172.3 | 315.8 | 96.3 | 8.4 | 134.4 | 71.8 | 33.2 | 61.6 | 0.0 | 900.9 |
| 1951 | 0.0 | 1.1 | 6.7 | 20.5 | 60.6 | 426.9 | 253.1 | 25.2 | 55.4 | 0.0 | 0.0 | 1.5 | 851.0 |
| 1952 | 0.0 | 0.0 | 16.6 | 0.0 | 216.5 | 147.2 | 132.2 | 37.8 | 16.3 | 30.6 | 0.0 | 0.0 | 597.2 |
| 1953 | 7.9 | 0.0 | 0.0 | 45.7 | 241.1 | 63.1 | 139.8 | 273.1 | 252.4 | 29.4 | 0.0 | 11.5 | 1063.7 |
| 1954 | 0.0 | 5.0 | 0.0 | 73.2 | 93.6 | 228.8 | 96.4 | 40.0 | 12.4 | 9.5 | 0.0 | 6.7 | 565.6 |
| 1955 | 0.0 | 0.0 | 0.0 | 5.7 | 67.0 | 187.2 | 31.8 | 86.2 | 7.8 | 11.7 | 4.5 | 25.2 | 427.1 |
| 1956 | 13.5 | 3.0 | 45.7 | 42.8 | 47.8 | 48.0 | 175.4 | 146.5 | 26.5 | 27.3 | 7.2 | 0.0 | 583.7 |
| 1957 | 0.0 | 0.0 | 0.0 | 12.5 | 241.1 | 36.0 | 118.5 | 72.8 | 13.5 | 9.6 | 0.0 | 10.8 | 514.8 |
| 1958 | 0.0 | 0.0 | 0.0 | 2.0 | 247.0 | 166.8 | 24.8 | 235.9 | 52.7 | 6.8 | 0.5 | 0.0 | 736.5 |
| 1959 | 35.0 | 0.0 | 44.3 | 138.7 | 54.2 | 206.9 | 181.2 | 50.8 | 66.5 | 32.0 | 0.0 | 0.0 | 779.6 |
| 1960 | 0.0 | 0.0 | 2.0 | 8.5 | 44.7 | 176.6 | 110.7 | 56.9 | 12.8 | 34.7 | 0.0 | 0.0 | 446.9 |
| 1961 | 33.4 | 0.0 | 25.3 | 10.2 | 37.7 | 265.7 | 97.9 | 193.9 | 94.6 | 12.7 | 0.0 | 0.0 | 771.4 |
| 1962 | 0.0 | 0.0 | 0.0 | 3.0 | 22.5 | 268.8 | 17.4 | 81.5 | 19.4 | 22.4 | 0.0 | 0.0 | 435.0 |
| 1963 | 0.0 | 0.0 | 32.0 | 0.0 | 88.4 | 128.7 | 231.7 | 262.1 | 105.1 | 30.8 | 34.2 | 0.0 | 913.0 |
| 1964 | 4.0 | 0.0 | 5.0 | 15.0 | 1.0 | 91.0 | 137.0 | 169.0 | 0.0 | 0.4 | 10.0 | 39.0 | 471.4 |
| 1965 | 0.0 | 0.0 | 0.0 | 140.0 | 102.0 | 40.0 | 350.0 | 341.0 | 112.0 | 62.0 | 20.0 | 37.0 | 1104.0 |
| 1966 | 0.0 | 0.0 | 0.0 | 144.0 | 37.0 | 597.0 | 244.0 | 105.0 | 14.0 | 14.0 | 10.0 | 42.0 | 1207.0 |
| 1967 | 0.7 | 0.0 | 0.0 | 0.3 | 118.0 | 69.0 | 189.0 | 29.0 | 42.0 | 33.0 | 14.0 | 0.0 | 495.0 |
| 1968 | 0.0 | 0.0 | 17.0 | 40.9 | 1.4 | 14.8 | 17.6 | 41.6 | 64.4 | 17.7 | 11.0 | 7.8 | 234.2 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 4.6 | 8.4 | 4.2 | 0.0 | 0.0 | 0.0 | 42.0 | 1461.7 |
| MAX | 76.5 | 119.2 | 83.0 | 172.3 | 398.0 | 705.5 | 453.0 | 341.0 | 252.1 | 103.0 | 82.2 | 6.6 | 740.4 |
| PROM | 6.6 | 4.6 | 11.1 | 34.4 | 120.1 | 196.3 | 150.7 | 117.6 | 49.7 | 27.0 | 12.2 | 11.3 | 285.6 |
| DESV | 16.1 | 18.2 | 17.5 | 46.4 | 102.0 | 146.7 | 117.7 | 89.1 | 57.2 | 23.4 | 20.3 | 1.7 | 0.4 |
| CV | 2.4 | 4.0 | 1.6 | 1.3 | 0.8 | 0.7 | 0.8 | 0.8 | 1.2 | 0.9 | 1.7 | 1.7 | 0.4 |

PRECIPITATION S (mm)

HOYA 309 RAPEL
EST 63 S E PANIAHUE
LAT 3438 LON 7122

SLP 14503 (KM2)

546.

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|------|-------|------|-------|------|------|------|------|-----|-------|
| 1967 | -1.0 | -1.0 | -1.0 | -1.0 | 100.1 | 52.9 | 191.6 | 38.2 | 43.3 | -1.0 | 6.0 | 0.0 | -1.0 |
| 1968 | 0.0 | 0.0 | 12.7 | 22.0 | 1.5 | 35.9 | 20.5 | 43.4 | 54.7 | 3.7 | 13.0 | 9.3 | 216.7 |

PRECIPITACIONES (MM)

ZONA 5 HCYA 309 RAPEL SLP 14503 (KM2)

EST 64 INST RFG STA CRUZ PRCP OMC TIPC PV

LAT 3439 LCN 7124

| ANO | JAN | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|--------|
| 1946 | -1.0 | -1.0 | -1.0 | 10.0 | 54.0 | 120.0 | 50.0 | 23.0 | 24.0 | 27.0 | 14.0 | 3.0 | -1.0 |
| 1947 | 0.3 | 0.0 | 2.0 | 62.0 | 51.0 | 197.0 | 109.0 | 78.0 | 53.0 | 28.0 | 0.0 | 0.0 | 581.3 |
| 1948 | 0.0 | 0.0 | 0.0 | -1.0 | 106.0 | 80.0 | 365.0 | 45.0 | 47.0 | 22.0 | 0.0 | 8.0 | -1.0 |
| 1949 | 0.0 | 5.0 | 24.0 | 0.0 | 293.0 | 102.0 | 27.0 | 39.0 | 9.0 | 0.0 | 0.0 | 10.0 | 509.0 |
| 1950 | 0.0 | 2.0 | 5.0 | 133.0 | 262.0 | 87.0 | 0.0 | 150.0 | 50.0 | 28.0 | 59.0 | 0.0 | 780.0 |
| 1951 | 0.0 | 0.0 | 0.0 | 22.0 | 77.0 | 462.0 | 350.0 | 25.0 | 40.0 | 0.0 | 0.0 | -1.0 | -1.0 |
| 1952 | 0.0 | 0.0 | 5.0 | 0.0 | 211.0 | 197.0 | 93.0 | 26.0 | 17.0 | 29.0 | 0.0 | 0.0 | 578.0 |
| 1953 | 13.0 | 0.0 | 0.0 | 50.0 | 435.0 | 33.0 | 270.0 | 277.0 | 285.0 | 21.0 | 0.0 | 8.7 | 1392.7 |
| 1954 | 0.0 | 0.0 | 0.0 | 57.0 | 86.0 | 222.0 | 179.0 | -1.0 | -1.0 | -1.0 | 0.0 | 0.0 | -1.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 51.0 | 33.0 | 0.0 | 22.0 | 5.0 | 0.0 | 0.0 | 0.0 | 509.0 |
| MAX | 13.0 | 5.0 | 24.0 | 133.0 | 435.0 | 462.0 | 365.0 | 277.0 | 285.0 | 29.0 | 59.0 | 10.0 | 1392.7 |
| PRCM | 1.7 | 0.9 | 5.0 | 41.9 | 175.0 | 177.8 | 164.8 | 82.9 | 65.6 | 19.4 | 8.1 | 3.7 | 768.2 |
| DESV | 4.6 | 1.8 | 2.3 | 44.7 | 133.6 | 137.0 | 134.9 | 89.2 | 50.1 | 12.3 | 19.6 | 4.4 | 363.5 |
| CV | 2.8 | 2.1 | 1.7 | 1.1 | 0.8 | 0.8 | 0.8 | 1.1 | 1.4 | 0.6 | 2.4 | 1.2 | 0.5 |

547.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORRIJIDOS

PRECIPITACIONES (MM)

 ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)
 EST 65 STA CRUZ E A P
 LAT 3439 LON 7124

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|--------|
| 1939 | 0.0 | 0.0 | 0.0 | 0.0 | 91.0 | 277.0 | 12.0 | 151.0 | 5.0 | 35.0 | 0.0 | 20.0 | 591.0 |
| 1940 | 0.0 | 66.0 | -1.0 | -1.0 | -1.0 | -1.0 | 409.0 | 18.0 | 55.0 | 56.0 | 20.0 | 20.0 | -1.0 |
| 1941 | 0.0 | 21.0 | 27.0 | 66.0 | 319.0 | 242.0 | 483.0 | 253.0 | 3.0 | 35.0 | 35.0 | 10.0 | 1494.0 |
| 1942 | 0.0 | 0.0 | 9.0 | 1.0 | 84.0 | 109.0 | 160.0 | 226.0 | 11.0 | 32.0 | 39.0 | 0.0 | 671.0 |
| 1943 | 0.0 | 0.0 | 15.0 | 24.0 | 108.0 | 197.0 | 133.0 | 93.0 | 230.0 | 9.0 | 7.0 | 0.0 | 816.0 |
| 1944 | 0.1 | 1.0 | 0.0 | 30.0 | 97.2 | 315.2 | 50.4 | 320.3 | 7.7 | 57.0 | 7.8 | 0.0 | 886.7 |
| 1945 | 0.0 | 89.7 | 19.8 | 21.5 | 14.9 | 6.4 | 70.6 | 105.0 | 52.7 | 9.3 | 58.0 | 0.0 | 447.7 |
| 1946 | 48.9 | 0.0 | 0.0 | 10.6 | 44.7 | 118.8 | 91.0 | 23.0 | 23.2 | 27.7 | 13.2 | 4.0 | 405.1 |
| 1947 | 0.0 | 0.0 | 0.0 | 63.0 | 50.5 | 203.5 | 109.0 | 56.0 | 53.0 | 27.8 | 0.0 | 0.0 | 562.8 |
| 1948 | 0.0 | 0.0 | 0.0 | 102.8 | 119.9 | 98.0 | 386.0 | 72.9 | 55.3 | 22.0 | 0.0 | 8.0 | 864.9 |
| 1949 | 0.0 | 6.2 | 23.6 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 14.9 | 6.4 | 12.0 | 18.0 | 3.0 | 9.0 | 0.0 | 0.0 | 405.1 |
| MAX | 48.9 | 89.7 | 27.0 | 102.8 | 319.0 | 315.2 | 483.0 | 320.3 | 230.0 | 57.0 | 58.0 | 20.0 | 1494.0 |
| PROM | 4.5 | 16.7 | 9.4 | 35.4 | 103.2 | 174.1 | 190.4 | 131.8 | 49.6 | 31.1 | 18.0 | 6.2 | 748.8 |
| DESV | 14.7 | 31.3 | 11.0 | 34.7 | 87.6 | 98.6 | 169.4 | 103.1 | 67.3 | 16.3 | 19.9 | 8.1 | 329.1 |
| CV | 3.3 | 1.9 | 1.2 | 1.0 | 0.8 | 0.6 | 0.9 | 0.8 | 1.4 | 0.5 | 1.1 | 1.3 | 0.4 |

548.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)

EST 66 FTO NEGRO RETEN ENDESA

LAT 3440 LON 7053

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|--------|
| 1941 | 0.0 | 18.0 | 46.0 | 94.0 | 216.0 | 184.0 | 281.0 | 219.0 | 1.0 | 64.0 | 82.0 | 11.0 | 1216.0 |
| 1942 | 0.0 | 0.0 | 18.0 | 0.0 | 30.0 | 99.0 | 108.0 | 223.0 | 21.0 | 39.0 | 68.0 | 0.0 | 606.0 |
| 1943 | 0.0 | 0.0 | 21.0 | 31.0 | 61.0 | 101.0 | 78.0 | 51.0 | 178.0 | 21.0 | 16.0 | 0.0 | 558.0 |
| 1944 | 0.0 | 18.0 | 0.0 | 22.0 | 161.0 | 106.0 | 32.0 | 207.0 | 13.0 | 46.0 | 10.0 | 0.0 | 615.0 |
| 1945 | 0.0 | 84.0 | 9.0 | 19.0 | 19.0 | 13.0 | 73.0 | 77.0 | 16.0 | 8.0 | 45.0 | 0.0 | 363.0 |
| 1946 | 39.0 | 0.0 | 0.0 | 12.0 | 58.0 | 118.8 | 84.6 | 21.0 | 15.2 | 42.0 | 35.0 | 0.0 | 425.6 |
| 1947 | 0.0 | 0.0 | 0.0 | 9.0 | 142.0 | 156.6 | 39.3 | 96.0 | 80.4 | 45.0 | 0.0 | 0.0 | 568.3 |
| 1948 | 0.0 | 0.0 | 0.0 | 79.0 | 157.0 | 90.0 | 188.0 | 1.7 | 98.0 | 30.0 | 0.0 | 0.0 | 643.7 |
| 1949 | 0.0 | 0.0 | 51.0 | 0.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 0.0 | 0.0 | 32.0 | -1.0 |
| 1950 | 0.0 | 0.0 | 23.0 | 126.0 | 201.0 | 106.0 | 0.0 | 92.0 | 102.0 | 32.0 | 47.0 | 0.0 | 729.0 |
| 1951 | 0.0 | 0.0 | 16.0 | 18.0 | 50.0 | 258.0 | 250.0 | 54.0 | 111.0 | 0.0 | 3.0 | 4.0 | 764.0 |
| 1952 | 0.0 | 5.0 | 0.0 | 0.0 | 197.0 | 177.0 | 442.0 | 27.0 | 17.3 | 29.3 | 0.0 | 0.0 | 894.6 |
| 1953 | 0.0 | 0.0 | 0.0 | 50.5 | 344.0 | 89.0 | 209.0 | 341.0 | 205.0 | 64.0 | 0.0 | 0.0 | 1311.2 |
| 1954 | 0.0 | 12.0 | 2.0 | 87.0 | 154.0 | 259.0 | 108.0 | 80.0 | 0.0 | 0.0 | 0.0 | 20.0 | 722.0 |
| 1955 | 0.0 | 0.0 | 0.0 | 10.0 | 60.0 | 165.0 | 35.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1956 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 23.0 | -1.0 | 0.3 | -1.0 | -1.0 |
| 1957 | 0.0 | 0.0 | 0.0 | 0.0 | 185.0 | 62.0 | 107.0 | 82.0 | 25.0 | -1.0 | 0.0 | -1.0 | -1.0 |
| 1958 | 0.0 | 0.0 | 0.0 | -1.0 | 167.0 | 265.0 | 15.0 | 150.0 | 52.0 | 7.0 | 7.0 | 0.0 | -1.0 |
| 1959 | 45.0 | 0.0 | 30.0 | 91.0 | 55.0 | 172.0 | -1.0 | 25.0 | 65.0 | 42.0 | 0.0 | 0.0 | -1.0 |
| 1960 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 138.0 | 101.0 | 65.0 | 2.0 | 20.0 | 0.0 | 0.0 | -1.0 |
| 1961 | 30.0 | 0.0 | 36.0 | 8.0 | 37.0 | 227.0 | 96.0 | 143.0 | 159.0 | -1.0 | 0.0 | 1.0 | -1.0 |
| 1962 | 0.0 | 0.0 | 0.0 | 4.0 | 35.0 | 236.0 | 26.0 | 51.0 | 18.0 | 49.0 | 0.0 | 0.0 | 419.0 |
| 1963 | 0.0 | 0.0 | 45.0 | 0.0 | 46.0 | -1.0 | 186.0 | 152.0 | -1.0 | 45.0 | -1.0 | 0.0 | -1.0 |
| 1964 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 69.0 | 107.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1965 | -1.0 | -1.0 | 1.0 | 120.0 | 91.0 | 71.0 | 249.0 | 301.0 | 13.0 | 26.0 | -1.0 | -1.0 | -1.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.0 | 0.0 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 363.0 |
| MAX | 45.0 | 84.0 | 51.0 | 126.0 | 344.0 | 265.0 | 442.0 | 341.0 | 205.0 | 64.0 | 82.0 | 32.0 | 1311.2 |
| PROM | 5.2 | 6.2 | 13.0 | 35.5 | 112.1 | 143.8 | 127.9 | 117.1 | 57.9 | 30.5 | 14.9 | 3.8 | 702.5 |
| DESV | 13.5 | 18.3 | 17.5 | 42.8 | 85.9 | 71.9 | 107.2 | 93.9 | 62.2 | 20.1 | 25.0 | 8.4 | 278.4 |
| CV | 2.6 | 2.9 | 1.3 | 1.2 | 0.8 | 0.5 | 0.8 | 0.8 | 1.1 | 0.7 | 1.7 | 2.2 | 0.4 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS


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*****
PRECIPITACIONES (MM)
*****
ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)
EST 67 LAS ARAÑAS
LAT 3442 LCN 7115
*****
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
1968 -1.0 -1.0 15.0 29.0 -1.0 27.0 17.5 41.0 52.0 13.0 13.0 15.0 -1.0
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550.

PRECIPITACIONES (MM)

 ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)
 EST 68 NANCAGUA CIA CHIL TA
 LAT 3441 LON 7112 ALT 370 (MTS)

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|--------|
| 1960 | 0.0 | 0.0 | 6.0 | 5.0 | 33.0 | 189.0 | 127.0 | 69.0 | 10.0 | 43.0 | 0.0 | 0.0 | 482.0 |
| 1961 | 27.0 | 0.0 | 41.0 | 5.0 | 37.0 | 287.0 | 98.0 | 207.0 | 111.0 | 14.0 | 0.0 | 0.0 | 827.0 |
| 1962 | 0.0 | 0.0 | 0.0 | 9.0 | 24.0 | 266.0 | 17.0 | 99.0 | 25.0 | 34.0 | 0.0 | 0.0 | 474.0 |
| 1963 | -1.0 | 0.0 | 26.0 | 0.0 | 90.0 | 133.0 | 219.0 | 246.0 | 120.0 | 17.0 | 42.0 | 0.0 | -1.0 |
| 1964 | 7.0 | 0.0 | 1.0 | 19.0 | 9.0 | 84.0 | 146.0 | 192.0 | 1.0 | 0.0 | 33.0 | 26.0 | 518.0 |
| 1965 | 0.0 | 0.0 | 0.0 | 120.0 | 108.0 | 44.0 | 404.0 | 352.0 | 10.0 | 49.0 | 18.0 | 28.0 | 1133.0 |
| 1966 | 0.0 | 0.0 | 0.0 | 143.0 | 37.0 | 586.0 | 205.0 | 75.0 | 12.0 | 4.0 | 14.0 | 32.0 | 1108.0 |
| 1967 | 0.0 | 0.0 | 0.0 | 0.0 | 83.0 | 57.0 | 206.0 | 22.0 | 44.0 | 39.0 | 8.1 | 0.0 | 459.1 |
| 1968 | 0.0 | 0.0 | 13.0 | 27.9 | 1.9 | 23.3 | 17.2 | 37.7 | 60.8 | 5.5 | 10.5 | 16.0 | 213.8 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 23.3 | 17.0 | 22.0 | 1.0 | 0.0 | 0.0 | 0.0 | 213.8 |
| MAX | 27.0 | 0.0 | 41.0 | 143.0 | 108.0 | 586.0 | 404.0 | 352.0 | 120.0 | 49.0 | 42.0 | 32.0 | 1133.0 |
| PROM | 4.3 | 0.0 | 9.7 | 36.5 | 47.0 | 185.5 | 159.9 | 144.4 | 43.8 | 22.8 | 14.0 | 11.3 | 651.9 |
| DESV | 9.5 | 0.0 | 14.7 | 54.9 | 37.5 | 177.9 | 118.9 | 111.0 | 44.9 | 18.6 | 15.0 | 14.1 | 333.3 |
| CV | 2.2 | -1.0 | 1.5 | 1.5 | 0.8 | 1.0 | 0.7 | 0.8 | 1.0 | 0.8 | 1.1 | 1.2 | 0.5 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM) -

ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)
 EST 69 LA RUFINA
 LAT 3444 LON 7043 ALT 400 (MTS)

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|
| 1929 | -1.0 | -1.0 | -1.0 | -1.0 | 125.3 | 122.0 | -1.0 | 266.8 | 55.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1930 | 0.0 | 0.0 | 0.0 | 105.0 | 65.5 | 391.2 | 280.0 | 213.0 | 34.0 | 93.0 | 114.0 | 21.0 | 1316.6 |
| 1931 | 19.0 | -1.0 | 0.0 | 64.0 | 77.0 | 153.0 | 209.0 | 183.0 | 63.0 | 22.0 | 26.0 | 0.0 | -1.0 |
| 1932 | 0.0 | 0.0 | 45.0 | 15.0 | 105.0 | 282.0 | 229.0 | 265.0 | 25.0 | 29.0 | 0.0 | 19.0 | 1014.0 |
| 1933 | 53.0 | 0.0 | 0.0 | 32.0 | 106.0 | 306.0 | 69.0 | 131.0 | 23.0 | 79.0 | 0.0 | 0.0 | 799.0 |
| 1934 | 0.0 | 0.0 | 9.5 | 0.0 | 243.0 | 355.1 | 41.5 | 46.3 | 37.3 | 100.2 | 24.8 | 0.0 | 857.7 |
| 1935 | 0.0 | 0.0 | 0.0 | 15.6 | 71.7 | 111.5 | 49.7 | 61.5 | 80.0 | 4.1 | 6.0 | 0.0 | 400.1 |
| 1936 | 0.0 | 0.0 | 0.6 | 59.9 | 254.0 | 150.3 | 80.0 | 90.3 | 64.8 | 0.0 | 2.0 | 13.8 | 715.7 |
| 1937 | 0.0 | 48.2 | 0.0 | 6.5 | 147.0 | 269.0 | 268.0 | 178.0 | 85.0 | 24.0 | 20.0 | 0.0 | 1045.7 |
| 1938 | 0.0 | 0.8 | 50.0 | 3.0 | 99.0 | 76.0 | 96.0 | 55.0 | 29.0 | 45.0 | 52.0 | 0.0 | 505.8 |
| 1939 | 0.0 | 0.0 | 0.0 | 2.0 | 160.0 | 188.0 | 20.0 | 136.0 | 24.0 | 76.0 | 0.0 | 32.0 | 638.0 |
| 1940 | 0.0 | 62.0 | 0.0 | 95.0 | 159.0 | 246.0 | 358.0 | 36.0 | 55.0 | 70.0 | 33.0 | 10.0 | 1114.0 |
| 1941 | 0.0 | 16.0 | 60.0 | 96.0 | 205.0 | 170.0 | 263.0 | 223.0 | 1.0 | 95.0 | 54.0 | 12.0 | 1195.0 |
| 1942 | 0.0 | 0.0 | 18.0 | 0.0 | 39.0 | 98.0 | 138.0 | 181.0 | 22.0 | 45.0 | 71.0 | 0.0 | 612.0 |
| 1943 | 0.0 | 0.0 | -1.0 | 23.0 | 99.0 | 207.0 | 113.0 | 135.0 | 248.0 | 29.0 | 25.0 | 0.0 | -1.0 |
| 1944 | 13.0 | 41.0 | 0.0 | 30.0 | 209.0 | 209.0 | 95.0 | 400.0 | 30.0 | 106.0 | 23.0 | 0.0 | 1156.0 |
| 1945 | 5.0 | 176.0 | 68.0 | 56.0 | 48.0 | 24.0 | 228.0 | 118.0 | 79.0 | 20.0 | 117.0 | 0.0 | 939.0 |
| 1946 | 150.0 | 0.0 | 0.0 | 21.0 | 136.0 | 90.0 | 132.0 | 52.0 | 80.0 | 56.0 | 57.0 | 0.0 | 774.0 |
| 1947 | 0.0 | 0.0 | 21.0 | 49.0 | 138.0 | 293.0 | 52.0 | 139.0 | 152.0 | 72.0 | 0.0 | 0.0 | 916.0 |
| 1948 | 0.0 | 5.0 | 5.0 | 64.0 | 151.0 | 154.0 | 615.0 | 105.0 | 153.0 | 71.0 | 0.0 | 50.0 | 1373.0 |
| 1949 | 0.0 | 15.0 | 59.0 | 0.0 | 536.0 | 106.0 | 43.0 | 58.0 | 24.0 | 0.0 | 0.0 | 54.0 | 895.0 |
| 1950 | 0.0 | 0.0 | 23.0 | 221.0 | 368.0 | 162.0 | 23.0 | 249.0 | 110.0 | 40.0 | 116.0 | 0.0 | 1312.0 |
| 1951 | 0.0 | 5.0 | 17.0 | 18.0 | 125.0 | 431.0 | 325.0 | 15.0 | 159.0 | 15.0 | 17.0 | 0.0 | 1127.0 |
| 1952 | 0.0 | 6.0 | 42.0 | 0.0 | 304.0 | 172.0 | 231.0 | 49.0 | 36.0 | 45.0 | 5.0 | 0.0 | 890.0 |
| 1953 | 25.0 | 0.0 | 0.0 | 67.0 | 299.0 | 77.0 | 186.0 | 371.0 | 334.0 | 61.0 | 0.0 | 7.0 | 1427.0 |
| 1954 | 0.0 | 18.0 | 0.0 | 135.0 | 183.0 | 221.0 | 152.0 | 12.0 | 12.0 | 17.0 | 0.0 | 17.0 | 767.0 |
| 1955 | 0.0 | 0.0 | 0.0 | 24.0 | 112.0 | 382.0 | 105.0 | 166.0 | 33.0 | 30.0 | 10.0 | 55.0 | 917.0 |
| 1956 | 77.0 | 0.0 | 93.0 | 88.0 | 75.0 | 32.0 | 255.0 | 124.0 | 52.0 | -1.0 | 0.0 | 7.0 | -1.0 |
| 1957 | 0.0 | 0.0 | 0.0 | 14.0 | 283.0 | 67.0 | 131.0 | 128.0 | 40.0 | 27.0 | 0.0 | 23.0 | 713.0 |
| 1958 | 0.0 | 0.0 | -1.0 | 22.0 | 338.0 | 273.0 | 12.0 | 290.0 | 48.0 | 11.0 | 10.0 | 0.0 | -1.0 |
| 1959 | 35.0 | 0.0 | 42.0 | 264.0 | 75.0 | 289.0 | 247.0 | 68.0 | 100.0 | 36.0 | -1.0 | 0.0 | -1.0 |
| 1960 | 0.0 | 0.0 | 0.0 | 8.0 | 40.0 | 248.0 | 146.0 | 52.0 | 23.0 | 21.0 | 0.0 | 0.0 | 538.0 |
| 1961 | 25.0 | 0.0 | 71.0 | 20.0 | 68.0 | 299.0 | 144.0 | 288.0 | 213.0 | 20.0 | 0.0 | 0.0 | 1148.0 |
| 1962 | 0.0 | 0.0 | 0.0 | 25.0 | 26.0 | 470.0 | 10.0 | 122.0 | 31.0 | 80.0 | 27.0 | 0.0 | 791.0 |
| 1963 | 0.0 | 0.0 | 53.0 | 5.0 | 93.0 | 170.0 | 393.0 | 330.0 | 232.0 | 101.0 | 140.0 | 0.0 | 1517.0 |
| 1964 | 5.0 | 0.0 | 15.0 | 10.0 | 0.0 | 155.0 | 80.0 | 233.0 | 0.0 | 25.0 | 0.0 | 65.0 | 588.0 |
| 1965 | 0.0 | 0.0 | 0.0 | 393.0 | 190.0 | 110.0 | 546.0 | 563.0 | 20.0 | 60.0 | 25.0 | 70.0 | 1977.0 |
| 1966 | 0.0 | 0.0 | 0.0 | 135.0 | 75.0 | 693.0 | 232.0 | 75.0 | 25.0 | 17.0 | 13.0 | 83.0 | 1348.0 |
| 1967 | 25.0 | 0.0 | 0.0 | 0.0 | 201.0 | 63.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 24.0 | 10.0 | 12.0 | 0.0 | 0.0 | 0.0 | 0.0 | 400.1 |
| MAX | 150.0 | 176.0 | 93.0 | 393.0 | 536.0 | 693.0 | 615.0 | 563.0 | 334.0 | 106.0 | 140.0 | 83.0 | 1977.0 |
| PROM | 11.4 | 10.6 | 19.2 | 57.5 | 154.6 | 213.2 | 178.3 | 163.4 | 74.5 | 45.6 | 27.4 | 14.6 | 979.0 |
| DESV | 28.5 | 31.4 | 26.7 | 82.0 | 109.6 | 136.5 | 140.6 | 120.8 | 76.1 | 31.3 | 38.8 | 23.4 | 342.9 |
| CV | 2.5 | 3.0 | 1.4 | 1.4 | 0.7 | 0.6 | 0.8 | 0.7 | 1.0 | 0.7 | 1.4 | 1.6 | 0.4 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

 ZONA 5 ESTACION EL REMPLAL ALT 420 (MTS) SUR 1100 (KM2) *****

553.

| ANC | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOI |
|------|------|------|-----|------|-------|-------|-------|-------|------|------|------|------|--------|
| 1933 | 42.0 | 3.0 | 0.0 | 0.0 | 114.0 | 114.0 | 83.0 | 136.0 | 35.0 | 74.0 | 0.0 | 9.0 | 611.0 |
| 1934 | 4.0 | 0.2 | 6.0 | 0.1 | 343.0 | 343.0 | 38.0 | 31.0 | 38.0 | 80.0 | 0.0 | 0.0 | 888.3 |
| 1935 | 0.0 | 0.0 | 0.0 | 13.0 | 78.0 | 178.0 | 96.0 | 79.0 | 74.0 | 48.0 | 4.0 | 0.0 | 552.0 |
| 1936 | 0.0 | 0.0 | 1.0 | 69.0 | 284.0 | 168.0 | 138.0 | 108.0 | 47.0 | 1.0 | 4.0 | 16.0 | 834.0 |
| 1937 | 0.0 | 39.0 | 0.0 | 2.0 | 141.0 | 271.0 | 270.0 | 211.0 | 74.0 | 20.0 | 30.0 | 0.0 | 1058.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 78.0 | 115.0 | 38.0 | 31.0 | 35.0 | 1.0 | 0.0 | 0.0 | 552.0 |
| MAX | 42.0 | 39.0 | 6.0 | 69.0 | 343.0 | 348.0 | 270.0 | 211.0 | 74.0 | 80.0 | 30.0 | 16.0 | 1058.0 |
| PROM | 9.2 | 8.4 | 1.4 | 16.8 | 192.0 | 212.4 | 125.0 | 73.0 | 53.6 | 44.6 | 7.6 | 5.0 | 789.1 |
| DESV | 18.4 | 17.1 | 2.6 | 29.7 | 115.0 | 94.9 | 88.6 | 67.2 | 19.1 | 34.0 | 12.7 | 7.3 | 207.5 |
| CV | 2.0 | 2.0 | 1.9 | 1.8 | 0.6 | 0.4 | 0.7 | 0.6 | 0.4 | 0.8 | 1.7 | 1.5 | 0.3 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)
 EST 72 ESPINALILLO
 LAT 3447 LON 704)

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOY |
|------|------|------|------|-------|-------|-------|-------|-------|-------|------|-------|-------|--------|
| 1951 | 0.0 | 1.0 | 12.0 | 17.2 | 88.7 | 291.5 | 312.2 | 45.9 | 135.2 | 9.5 | 8.0 | 0.0 | 921.2 |
| 1952 | 0.0 | 2.0 | 29.5 | -1.0 | -1.0 | -1.0 | -1.0 | 47.6 | 38.5 | 38.0 | 10.0 | 0.0 | -1.0 |
| 1953 | 10.0 | 0.0 | 0.0 | 75.0 | -1.0 | 62.0 | 152.0 | 159.0 | 352.5 | 69.0 | 0.0 | 0.0 | -1.0 |
| 1954 | 0.0 | 2.5 | 0.0 | 93.0 | 108.2 | 238.0 | 122.0 | 39.0 | 15.0 | 21.0 | 0.0 | 30.0 | 668.7 |
| 1955 | 0.0 | 0.0 | 0.0 | 22.0 | 100.0 | 272.0 | 50.0 | 139.0 | 49.0 | 18.0 | 10.0 | 6.0 | 666.0 |
| 1956 | 28.0 | 0.0 | 76.5 | 107.5 | 75.0 | 22.0 | 189.0 | 174.0 | 50.0 | 36.5 | 3.0 | 0.0 | 761.5 |
| 1957 | 4.5 | 0.0 | 0.0 | 15.5 | 277.5 | 73.0 | 157.5 | 124.5 | 33.0 | 8.0 | 0.0 | 23.0 | 716.5 |
| 1958 | 0.0 | 0.0 | 0.0 | 18.5 | 289.5 | 0.0 | 0.0 | 190.2 | 51.0 | -1.0 | 14.5 | 0.0 | -1.0 |
| 1959 | 50.0 | 0.0 | 29.5 | 274.0 | 115.0 | 230.5 | 219.5 | 69.0 | 110.5 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1960 | -1.0 | -1.0 | -1.0 | -1.0 | 71.0 | 247.0 | 158.0 | 67.0 | 22.0 | 19.0 | -1.0 | -1.0 | -1.0 |
| 1961 | 33.0 | 0.0 | 98.0 | 8.0 | 55.0 | 284.0 | 120.0 | 192.5 | 188.0 | 0.0 | 0.0 | -1.0 | -1.0 |
| 1962 | 0.0 | 0.0 | 0.0 | 7.5 | -1.0 | 351.0 | 41.0 | 103.0 | 205.0 | 66.5 | 39.0 | -1.0 | -1.0 |
| 1963 | 0.0 | 0.0 | 50.0 | 4.5 | 82.0 | 142.5 | 315.5 | 316.0 | 189.0 | -1.0 | 124.0 | 0.0 | -1.0 |
| 1964 | 0.0 | 0.0 | 19.0 | 3.0 | 1.0 | 134.0 | 146.5 | 211.0 | 0.0 | 11.5 | 11.0 | 102.0 | 639.0 |
| 1965 | 0.0 | 0.0 | 0.0 | 224.5 | 158.5 | 73.5 | 262.0 | 346.5 | 33.0 | 46.7 | 31.0 | 93.0 | 1268.7 |
| 1966 | 0.0 | 0.0 | 0.0 | 194.0 | 46.5 | 503.0 | 188.2 | 144.5 | 48.0 | 32.5 | 18.0 | 45.0 | 767.0 |
| 1967 | 18.5 | 1.5 | 0.0 | 2.0 | 142.5 | 43.0 | 134.0 | 64.4 | 38.5 | 50.0 | 45.0 | 0.0 | 539.4 |
| 1968 | 0.0 | 0.0 | 27.5 | 33.0 | 0.0 | 16.3 | 16.9 | 47.8 | 73.7 | 7.2 | 19.3 | 33.8 | 275.5 |
| MIN | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 0.0 | 39.0 | 0.0 | 0.0 | 0.0 | 0.0 | 275.5 |
| MAX | 50.0 | 2.5 | 98.0 | 274.0 | 289.5 | 503.0 | 315.5 | 346.5 | 352.5 | 69.0 | 124.0 | 102.0 | 1268.7 |
| PROM | 8.5 | 0.4 | 20.1 | 68.7 | 107.4 | 175.5 | 152.0 | 137.8 | 90.7 | 28.9 | 20.8 | 23.8 | 722.3 |
| DESV | 15.0 | 0.8 | 29.7 | 88.0 | 84.0 | 141.1 | 92.9 | 90.5 | 91.1 | 21.8 | 30.8 | 34.8 | 255.5 |
| CV | 1.8 | 2.0 | 1.5 | 1.3 | 0.8 | 0.8 | 0.6 | 0.7 | 1.0 | 0.8 | 1.5 | 1.5 | 0.4 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 5 HCYA 309 RAPEL SUP 14503 (KM2)

EST 73 FDA STA RCSA

LAT 2447 LON 7106 ALT 890 (MTS)

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|------|-------|-------|-------|------|------|------|------|-------|
| 1964 | 8.0 | 0.0 | 3.0 | 19.0 | 13.0 | 90.0 | 116.0 | 171.0 | 0.0 | 0.0 | 25.0 | 41.0 | 486.0 |
| 1965 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1966 | 0.0 | 0.0 | 0.0 | 158.0 | 52.0 | 391.0 | 141.0 | 109.0 | 21.0 | 12.0 | 13.0 | 56.0 | 953.0 |
| 1967 | 5.0 | 0.0 | 0.5 | 0.0 | 97.0 | 66.0 | 175.0 | 30.0 | 26.0 | 72.0 | 5.0 | 0.0 | 476.5 |
| 1968 | 0.0 | 0.0 | 13.0 | 43.0 | 3.0 | 16.0 | 23.0 | 57.0 | 84.0 | 6.0 | 10.0 | 3.0 | 258.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 16.0 | 23.0 | 30.0 | 0.0 | 0.0 | 5.0 | 0.0 | 258.0 |
| MAX | 8.0 | 0.0 | 13.0 | 158.0 | 97.0 | 391.0 | 175.0 | 171.0 | 84.0 | 72.0 | 25.0 | 56.0 | 953.0 |
| PROM | 3.3 | 0.0 | 4.1 | 55.0 | 41.3 | 140.8 | 113.8 | 91.8 | 32.8 | 22.5 | 13.3 | 25.0 | 543.4 |
| DESV | 3.9 | 0.0 | 6.1 | 70.9 | 42.8 | 169.7 | 65.2 | 62.2 | 36.0 | 33.4 | 8.5 | 27.8 | 292.7 |
| CV | 1.2 | -1.0 | 1.5 | 1.3 | 1.0 | 1.2 | 0.6 | 0.7 | 1.1 | 1.5 | 0.6 | 1.1 | 0.5 |

555.

NCTA: VALORES NEGATIVOS INDICAN DATOS DESCONECIDOS

PRECIPITACIONES (MM)

 ZONA 5 HOYA 309 RAPEL SUP 14503 (KM2)
 EST 74 CONVENTO VIEJO
 LAT 3446 LON 7107 ALT 220 (MTS)

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|-------|
| 1953 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 50.6 | 146.6 | 328.5 | 201.0 | 35.5 | 0.0 | 2.1 | -1.0 |
| 1954 | 0.0 | 0.0 | 0.0 | 66.0 | 147.0 | 206.0 | 83.0 | 36.0 | 11.0 | 7.0 | 0.0 | 9.0 | 565.0 |
| 1955 | 0.0 | 0.0 | 0.0 | 11.0 | 67.0 | 184.0 | 0.0 | 85.6 | 2.0 | 0.0 | 8.0 | 22.0 | 379.6 |
| 1956 | 22.0 | 8.0 | 42.0 | 58.0 | 57.0 | 58.0 | 154.0 | 119.0 | 22.0 | 83.0 | 7.0 | 0.0 | 630.0 |
| 1957 | 0.0 | 0.0 | 0.0 | 5.0 | 237.0 | 36.0 | 121.0 | 58.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1958 | 0.0 | 0.0 | 0.0 | 9.0 | 133.0 | 260.0 | 8.0 | 210.0 | 55.0 | 4.0 | -1.0 | 0.0 | -1.0 |
| 1959 | 64.0 | 0.0 | 58.0 | 134.0 | 63.0 | 178.0 | 196.0 | 55.0 | 0.0 | 42.0 | 0.0 | 0.0 | 790.0 |
| 1960 | 0.0 | 0.0 | 10.0 | 7.0 | 96.4 | 193.5 | 100.2 | 61.0 | 6.8 | 46.8 | 0.0 | -1.0 | -1.0 |
| 1961 | 27.0 | 0.0 | -1.0 | 5.0 | 34.0 | -1.0 | 167.0 | 201.0 | 64.0 | 8.0 | 0.0 | -1.0 | -1.0 |
| 1962 | -1.0 | -1.0 | -1.0 | 1.5 | 20.0 | 47.8 | 138.7 | 222.0 | 84.0 | 34.5 | 50.5 | 0.0 | -1.0 |
| 1963 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1964 | 6.5 | 0.0 | 0.5 | 18.0 | 22.5 | 70.0 | 113.5 | 166.0 | 1.5 | 1.5 | 36.5 | 28.0 | 464.5 |
| 1965 | 0.0 | 0.0 | 0.0 | 121.0 | 96.0 | 47.5 | 276.5 | 304.0 | 11.5 | 70.5 | 21.0 | 36.5 | 984.5 |
| 1966 | 0.0 | 0.0 | 0.0 | 175.0 | 40.0 | 478.5 | 49.0 | 52.0 | 19.5 | 6.5 | 11.0 | 38.5 | 940.0 |
| 1967 | 0.0 | 0.0 | 0.0 | 0.0 | 83.0 | 72.0 | 179.5 | 29.0 | 39.5 | 46.0 | 13.0 | 0.0 | 462.0 |
| 1968 | 0.0 | 0.0 | 10.0 | 41.5 | 3.0 | 10.0 | 10.0 | 39.1 | 71.5 | 4.7 | 11.4 | 4.9 | 206.1 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 10.0 | 0.0 | 29.0 | 0.0 | 0.0 | 0.0 | 0.0 | 206.1 |
| MAX | 64.0 | 8.0 | 58.0 | 175.0 | 237.0 | 478.5 | 276.5 | 328.5 | 201.0 | 83.0 | 50.5 | 38.5 | 984.5 |
| PROM | 9.2 | 0.6 | 10.0 | 46.6 | 78.5 | 135.1 | 116.2 | 131.1 | 42.1 | 27.9 | 12.2 | 11.7 | 602.4 |
| DESV | 18.8 | 2.2 | 19.3 | 57.5 | 62.0 | 126.6 | 77.4 | 100.7 | 53.8 | 27.3 | 15.6 | 15.2 | 260.5 |
| CV | 2.0 | 3.6 | 1.9 | 1.2 | 0.8 | 0.9 | 0.7 | 0.8 | 1.3 | 1.0 | 1.3 | 1.3 | 0.4 |

556.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZCNA 5

POYA 309 RAPEL
EST 75 LA CANDELARIA
LAT 3447 LON 7141

SUP 14503 (KM2)

557.

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|-------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|--------|
| 1954 | 0.0 | 2.5 | 0.0 | 62.0 | 92.0 | 264.5 | 131.0 | 17.0 | 46.0 | 9.0 | 0.0 | -1.0 | -1.0 |
| 1955 | 0.0 | 2.0 | -1.0 | 6.0 | 72.0 | 205.5 | 20.0 | 109.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1956 | 20.0 | 11.0 | 64.0 | 54.0 | 138.0 | 68.0 | 279.0 | 134.0 | 48.0 | 42.5 | 0.0 | 0.0 | 878.5 |
| 1957 | 0.0 | 0.0 | 0.0 | 5.0 | 305.0 | 40.0 | 157.0 | 88.0 | 16.0 | 22.0 | 0.0 | 32.0 | 665.0 |
| 1958 | 0.0 | 0.0 | 0.0 | 16.0 | 303.0 | 245.0 | 19.0 | 202.0 | 122.0 | 0.0 | 16.0 | 0.0 | 923.0 |
| 1959 | 129.0 | 4.0 | 41.0 | 177.0 | 81.0 | 164.0 | 242.0 | 69.0 | 38.0 | 55.0 | 0.0 | 0.0 | 1000.0 |
| 1960 | 0.0 | 0.0 | 8.0 | 7.0 | 47.0 | 224.0 | 144.5 | 73.0 | 21.0 | 54.0 | 0.0 | 0.0 | 578.5 |
| 1961 | 23.0 | 0.0 | 90.0 | 2.0 | 27.0 | 251.0 | 140.0 | 244.0 | 212.0 | 13.0 | 0.0 | 0.0 | 1002.0 |
| 1962 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1963 | 0.0 | -1.0 | -1.0 | -1.0 | 105.0 | 104.0 | 293.0 | 335.0 | 148.0 | 23.0 | 43.0 | 0.0 | -1.0 |
| 1964 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 131.0 | 105.0 | -1.0 | 14.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1965 | 0.0 | 6.0 | 0.0 | 126.0 | 126.0 | 48.0 | 490.0 | 397.0 | 33.0 | 50.0 | 23.0 | 17.0 | 1316.0 |
| 1966 | 0.0 | 0.0 | 0.0 | 127.5 | 50.0 | 580.0 | 218.0 | 86.6 | -1.0 | -1.0 | 6.0 | 43.0 | -1.0 |
| 1967 | 6.0 | 2.0 | 0.0 | 0.0 | 142.0 | -1.0 | 182.0 | 45.5 | 67.0 | 70.0 | 11.0 | 0.0 | -1.0 |
| 1968 | 0.0 | 0.0 | 8.5 | 17.0 | 7.0 | 41.6 | 23.7 | 46.5 | 63.8 | 10.8 | 9.1 | 14.5 | 242.5 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 40.0 | 19.0 | 17.0 | 14.0 | 0.0 | 0.0 | 0.0 | 242.5 |
| MAX | 129.0 | 11.0 | 90.0 | 177.0 | 305.0 | 580.0 | 490.0 | 397.0 | 212.0 | 70.0 | 43.0 | 43.0 | 1316.0 |
| PROM | 13.7 | 2.3 | 19.2 | 50.0 | 115.0 | 182.0 | 174.6 | 142.0 | 69.1 | 31.8 | 9.0 | 9.7 | 825.7 |
| DESV | 35.6 | 3.4 | 31.5 | 61.0 | 93.4 | 146.1 | 127.4 | 118.2 | 61.0 | 23.3 | 13.1 | 15.3 | 325.4 |
| CV | 2.6 | 1.5 | 1.6 | 1.2 | 0.8 | 0.8 | 0.7 | 0.8 | 0.9 | 0.7 | 1.5 | 1.6 | 0.4 |

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 5 HCYA 30S RAPEL SUP 14503 (KM2)
 EST 76 PIRUQUINA EN HUERTIL PROP END TIPC PV
 LAT 3449 LON 7030

| ANC | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|-------|
| 1946 | -1.0 | 0.0 | 0.0 | 21.2 | 133.5 | 122.2 | 114.7 | 23.5 | 23.5 | 77.1 | 28.4 | 0.0 | -1.0 |
| 1947 | 0.0 | 0.0 | 9.9 | 29.7 | 84.5 | 207.1 | 24.8 | 95.0 | 124.5 | 36.6 | 0.0 | 0.0 | 625.1 |
| 1948 | 0.0 | 2.2 | 4.7 | 107.1 | 25.4 | 86.0 | 279.4 | 36.5 | 125.0 | 19.3 | 0.0 | 2.0 | 687.6 |
| 1949 | 0.0 | 23.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1965 | 0.0 | 0.0 | 0.0 | 194.0 | 130.9 | 107.5 | 253.9 | 260.8 | 21.2 | 87.1 | 27.0 | 95.7 | -1.0 |
| 1966 | 0.0 | 0.0 | 11.1 | 227.1 | 29.0 | 480.0 | 173.9 | 124.8 | 4.6 | 46.4 | -1.0 | -1.0 | -1.0 |
| MIN | 0.0 | 0.0 | 0.0 | 21.2 | 25.4 | 86.0 | 24.8 | 23.5 | 4.6 | 19.3 | 0.0 | 0.0 | 625.1 |
| MAX | 0.0 | 23.0 | 11.1 | 227.1 | 133.5 | 480.0 | 279.4 | 260.8 | 125.0 | 87.1 | 38.4 | 95.7 | 687.6 |
| PRCM | 0.0 | 4.2 | 5.1 | 115.8 | 80.7 | 200.6 | 171.3 | 128.1 | 59.8 | 53.3 | 18.8 | 24.4 | 656.3 |
| DESV | 0.0 | 5.3 | 5.3 | 93.5 | 52.6 | 162.8 | 100.4 | 136.6 | 59.8 | 28.2 | 21.8 | 47.5 | 44.2 |
| CV | -1.0 | 2.2 | 1.0 | 0.8 | 0.7 | 0.8 | 0.6 | 1.1 | 1.0 | 0.5 | 1.2 | 1.5 | 0.1 |

558.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORRIDOS

PRECIPITACIONES (MM)

ZONA 5

HOYA 309 RAPEL
EST 77 EL CONDOR

SUP 14503 (KM2)

559.

LAT 3451 LON 7059 ALT 620 (MTS)

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|
| 1925 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | 128.5 | 15.5 | 257.4 | 21.2 | 0.2 | 0.1 | -1.0 |
| 1926 | 0.0 | 0.0 | 50.0 | 0.0 | 155.0 | 491.0 | 432.0 | 63.8 | 36.0 | 79.0 | 0.0 | 8.0 | 1314.8 |
| 1927 | 0.0 | 0.0 | 0.0 | 2.1 | 199.5 | 163.7 | -1.0 | -1.0 | -1.0 | 18.5 | 29.7 | 0.0 | -1.0 |
| 1928 | 0.3 | 7.9 | 18.5 | 152.6 | 216.4 | 351.3 | 159.5 | 44.5 | 30.2 | 10.6 | 25.0 | 0.0 | 1016.8 |
| 1929 | 16.0 | 0.0 | 0.0 | 4.0 | 121.0 | 159.0 | 45.0 | 252.0 | 89.0 | 44.0 | 5.0 | 44.0 | 779.0 |
| 1930 | 0.0 | 0.0 | 0.0 | 58.0 | 13.0 | 376.0 | 354.0 | 253.0 | 33.0 | 132.0 | 116.0 | 32.0 | 1367.0 |
| 1931 | 49.0 | 6.0 | 0.0 | 66.0 | 56.0 | 159.0 | 197.0 | 206.0 | 61.0 | 17.0 | 24.0 | 0.0 | 841.0 |
| 1932 | 0.0 | 0.0 | 17.0 | 33.0 | 58.0 | 286.0 | 241.0 | 189.0 | 33.0 | 78.0 | 0.0 | 13.0 | 948.0 |
| 1933 | 81.0 | 2.0 | 0.0 | 10.0 | 98.0 | 172.0 | 88.0 | 174.0 | 26.0 | 51.0 | 0.0 | 8.0 | 710.0 |
| 1934 | 0.0 | 38.0 | 9.0 | 6.0 | 429.0 | 474.0 | 37.0 | 39.0 | 22.0 | 56.0 | 8.0 | 0.0 | 1118.0 |
| 1935 | 0.0 | 0.0 | 0.0 | 59.0 | 98.0 | 211.0 | 67.0 | 104.0 | 66.0 | 39.0 | 6.0 | 6.0 | 656.0 |
| 1936 | 0.0 | 0.0 | 0.0 | 61.0 | 348.0 | 175.0 | 151.0 | 119.0 | 45.0 | 7.0 | 7.0 | 17.0 | 930.0 |
| 1937 | 0.0 | 26.0 | 0.0 | 5.0 | 148.0 | 349.0 | 195.0 | 219.0 | 50.0 | 39.0 | 29.0 | 0.0 | 1060.0 |
| 1938 | 0.0 | 7.0 | 44.0 | 0.0 | 64.0 | 126.0 | 104.0 | 22.0 | 31.0 | 44.0 | 82.0 | 0.0 | 524.0 |
| 1939 | 0.0 | 0.0 | 0.0 | 10.0 | 216.0 | 271.0 | 47.0 | 156.0 | 13.0 | 60.0 | 0.0 | 39.0 | 812.0 |
| 1940 | 0.0 | 63.0 | 0.0 | 142.0 | 165.0 | 277.0 | 313.0 | 28.0 | 89.0 | 55.0 | 26.0 | 16.0 | 1174.0 |
| 1941 | 0.0 | 18.0 | 62.0 | 113.0 | 341.0 | 232.0 | 383.0 | 278.0 | 5.0 | 59.0 | 70.0 | 12.0 | 1573.0 |
| 1942 | 0.0 | 0.0 | 41.0 | 7.0 | 94.0 | 105.0 | 170.0 | 236.0 | 29.0 | 52.0 | 105.0 | 0.0 | 839.0 |
| 1943 | 0.0 | 0.0 | 13.0 | 23.0 | 101.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 13.0 | 105.0 | 37.0 | 15.5 | 5.0 | 7.0 | 0.0 | 0.0 | 524.0 |
| MAX | 81.0 | 63.0 | 62.0 | 152.6 | 429.0 | 491.0 | 432.0 | 278.0 | 257.4 | 132.0 | 116.0 | 44.0 | 1573.0 |
| PROM | 8.1 | 9.3 | 14.1 | 41.8 | 162.3 | 257.5 | 183.1 | 141.1 | 53.9 | 47.9 | 29.6 | 10.8 | 978.9 |
| DESV | 21.7 | 17.1 | 20.6 | 49.5 | 113.1 | 117.2 | 123.5 | 92.5 | 57.5 | 29.8 | 37.7 | 14.1 | 279.9 |
| CV | 2.7 | 1.8 | 1.5 | 1.2 | 0.7 | 0.5 | 0.7 | 0.7 | 1.1 | 0.6 | 1.3 | 1.3 | 0.3 |

NCTA=VALCRES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 5

HOYA 309 RAPEL
EST 78 STA SUSANA
LAT 3451 LON 7101

SUP 14503 (KM2)

560.

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|------|------|------|------|-------|
| 1962 | 0.0 | 0.0 | -1.0 | -1.0 | 44.0 | 244.0 | 30.0 | 117.0 | -1.0 | 32.0 | 0.1 | 0.0 | -1.0 |
| 1963 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1964 | 10.0 | -1.0 | 3.0 | 22.0 | 15.0 | 117.0 | 137.0 | 219.0 | 0.0 | 2.0 | 0.0 | 86.0 | 568.0 |
| 1965 | 0.0 | 0.0 | 0.0 | 168.0 | 135.0 | 88.0 | 323.0 | 347.0 | 17.0 | 86.0 | 17.0 | -1.0 | -1.0 |
| 1966 | 0.0 | -1.0 | 0.0 | 159.0 | 59.0 | 504.0 | 176.0 | 114.0 | 47.0 | 18.0 | 13.0 | 89.0 | -1.0 |

| PRECIPITACIONES (MM) | | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| ***** | | | | | | | | | | | | | |
| ZONA 5 | | | | | | | | | | | | | |
| HCYA 309 PAPEL SLP 14503 (KM2) | | | | | | | | | | | | | |
| EST 79 PARRON CAMPAMENTO BR PRCP OMO TIPC PV | | | | | | | | | | | | | |
| LAT 3416 LON 7040 ALT 692 (MTS) | | | | | | | | | | | | | |
| ***** | | | | | | | | | | | | | |
| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
| ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| 1937 | -1.0 | -1.0 | -1.0 | -1.0 | 156.0 | 108.0 | 224.0 | 128.0 | 61.0 | 14.0 | 27.0 | 0.0 | -1.0 |
| 1938 | 0.0 | 6.0 | 7.0 | 3.0 | 87.0 | 66.0 | 63.0 | 8.0 | 5.0 | 34.0 | 27.0 | 0.5 | 369.5 |
| 1939 | 0.0 | 0.0 | 0.0 | 0.0 | 132.0 | 191.0 | 16.0 | 111.0 | 18.0 | 66.0 | 0.0 | 50.0 | 585.0 |
| 1940 | 0.0 | 41.0 | 0.0 | 23.0 | 78.0 | 190.0 | 382.0 | 26.0 | 37.0 | 33.0 | 23.0 | 0.0 | 843.0 |
| 1941 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1942 | 0.0 | 0.0 | 0.0 | 0.0 | 52.0 | 135.0 | 132.0 | 197.0 | 27.0 | 46.0 | 80.0 | 1.0 | 672.0 |
| 1943 | 0.0 | 0.0 | 35.0 | 7.0 | 69.0 | 109.0 | 81.0 | 72.0 | 71.0 | 23.0 | 10.0 | 0.0 | 477.0 |
| 1944 | 2.0 | 14.0 | 0.0 | 22.0 | 121.0 | 240.3 | 220.0 | 299.0 | 8.0 | 30.0 | 7.0 | 0.0 | 708.0 |
| 1945 | 1.2 | 120.5 | 13.7 | 31.5 | 11.5 | 10.8 | 132.0 | 132.0 | 44.8 | 11.0 | 19.4 | 0.0 | 495.5 |
| 1946 | 68.2 | 0.0 | 0.0 | 23.7 | 35.3 | 74.0 | 78.4 | 57.5 | 7.4 | 40.2 | 0.0 | 0.0 | 385.0 |
| 1947 | 0.0 | 0.0 | 12.5 | 33.7 | 68.1 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1948 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| 1949 | 0.0 | 0.0 | 48.2 | 0.0 | 361.4 | 79.0 | 24.7 | 54.3 | 8.0 | 0.0 | 0.0 | 12.0 | 588.4 |
| 1950 | 0.0 | 0.0 | 21.7 | 162.1 | 151.1 | 53.9 | 14.1 | 148.6 | 66.9 | 28.4 | 57.8 | 0.0 | 704.6 |
| 1951 | 0.0 | 2.4 | 0.0 | 20.7 | 121.9 | 209.7 | 185.0 | 44.9 | 84.0 | 0.0 | 7.6 | 2.3 | 678.5 |
| 1952 | 0.0 | 0.8 | 0.0 | 0.0 | 230.0 | 187.4 | 140.3 | 39.4 | 46.5 | 45.1 | 18.6 | 0.0 | 714.2 |
| 1953 | 6.4 | 0.0 | 11.0 | 5.0 | 210.0 | 191.4 | 191.4 | 277.2 | 271.6 | 47.6 | 0.0 | 0.0 | 1221.6 |
| 1954 | 0.0 | 12.0 | 0.0 | 76.1 | 113.0 | 226.8 | 106.4 | 23.9 | 16.9 | 7.4 | 0.0 | 26.2 | 608.5 |
| 1955 | 0.0 | 0.0 | 0.0 | 19.6 | 51.0 | 31.8 | 52.1 | 60.4 | 28.4 | 28.9 | 4.8 | 22.3 | 556.6 |
| 1956 | 30.3 | 0.0 | 87.8 | 76.7 | 72.1 | 11.2 | 171.6 | 119.9 | 18.4 | 15.6 | 6.6 | 0.0 | 610.8 |
| 1957 | 8.3 | 0.0 | 0.0 | 16.0 | 233.6 | 64.1 | 100.0 | 55.5 | 19.9 | 1.2 | 0.0 | 20.1 | 526.2 |
| 1958 | 0.0 | 0.0 | 0.0 | 4.0 | 203.8 | 264.6 | 8.0 | 126.5 | 30.0 | 2.6 | 14.6 | 0.0 | 655.1 |
| 1959 | 0.0 | 0.0 | 10.3 | 128.5 | 97.6 | 213.0 | 187.2 | 82.3 | 33.3 | 21.5 | 0.0 | 0.0 | 776.3 |
| 1960 | 0.0 | 0.0 | 0.0 | 19.1 | 45.2 | 171.5 | 121.5 | 52.5 | 18.3 | 12.2 | 0.0 | 0.0 | 440.3 |
| 1961 | 20.2 | 0.0 | 98.7 | 0.0 | 43.5 | 199.1 | 79.4 | 137.0 | 73.3 | 22.6 | -1.0 | 0.0 | 434.0 |
| 1962 | 0.0 | 0.0 | 0.0 | 2.0 | 257.0 | 257.0 | 26.0 | 31.0 | 16.3 | 54.7 | 20.2 | 0.0 | 989.9 |
| 1963 | 1.6 | 0.0 | 25.6 | 4.6 | 57.5 | 52.6 | 242.3 | 231.2 | 189.2 | 83.1 | 62.7 | 0.0 | 989.9 |
| 1964 | 0.0 | 0.0 | 17.6 | 8.9 | 0.0 | 104.4 | 89.9 | 171.4 | 5.7 | 2.1 | 0.6 | 44.6 | 445.2 |
| 1965 | 0.0 | 0.0 | 0.0 | 12.5 | 137.7 | 51.4 | -1.0 | 325.0 | 26.1 | 64.1 | 28.6 | 56.9 | -1.0 |
| 1966 | 0.0 | 0.0 | 0.0 | 100.0 | 12.0 | 347.3 | 197.4 | 121.0 | 36.2 | 20.4 | 14.8 | 20.8 | 877.1 |
| 1967 | 4.0 | 2.4 | 0.0 | 4.2 | 74.0 | -1.0 | 159.0 | 50.0 | 68.0 | 11.0 | 25.0 | 0.0 | -1.0 |
| 1968 | 0.0 | 0.0 | 16.0 | 22.0 | 0.0 | 33.0 | 10.7 | 47.6 | 57.0 | 0.2 | 5.0 | 6.4 | 197.9 |
| ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.8 | 8.0 | 8.0 | 5.0 | 0.0 | 0.0 | 0.0 | 197.9 |
| MAX | 68.2 | 120.5 | 98.7 | 162.1 | 361.4 | 347.3 | 382.0 | 377.0 | 271.6 | 83.1 | 80.0 | 56.9 | 1221.6 |
| PRCM | 5.0 | 6.9 | 16.2 | 34.6 | 102.5 | 144.6 | 114.0 | 115.0 | 48.1 | 26.5 | 16.4 | 9.2 | 624.0 |
| DESV | 13.9 | 23.3 | 27.1 | 44.4 | 82.4 | 92.5 | 87.0 | 93.0 | 56.0 | 22.0 | 20.5 | 16.4 | 215.2 |
| CV | 2.8 | 3.4 | 1.7 | 1.2 | 0.8 | 0.6 | 0.0 | 0.8 | 1.0 | 0.2 | 1.2 | 1.8 | 0.3 |
| ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |

501.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORRIDOS

PRECIPITACIONES (MM)

 ZCNA 5 HOYA 309 RAPEL SUP 14503 (KM2)
 EST 80 HDA LGS QUILLAYES
 LAT 3408 LON 7128

562.

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|-------|
| 1939 | 0.0 | 0.0 | 0.0 | 0.0 | 64.0 | 161.0 | 28.0 | 110.0 | 185.0 | 35.0 | 0.0 | 15.0 | 431.5 |
| 1940 | 0.0 | 0.0 | 0.0 | 37.5 | 93.5 | 154.0 | 305.0 | 3.5 | 51.5 | 59.0 | 0.0 | 0.0 | 704.0 |
| 1941 | 0.0 | 0.0 | 0.0 | 39.0 | 258.0 | 165.0 | 70.0 | 310.0 | 0.0 | 0.0 | 30.0 | 0.0 | 872.0 |
| 1942 | 0.0 | 0.0 | 0.0 | 0.0 | 38.5 | 94.5 | 83.0 | 207.5 | 8.0 | 23.0 | 40.0 | 0.0 | 494.5 |
| 1943 | 0.0 | 0.0 | 0.0 | 4.0 | 72.0 | 145.0 | 78.0 | 73.0 | 69.5 | 0.0 | 0.0 | 0.0 | 441.5 |
| 1944 | 0.0 | 0.0 | 0.0 | 26.0 | 68.5 | 184.0 | 32.5 | 256.0 | 5.0 | 51.0 | 0.0 | 0.0 | 623.0 |
| 1945 | 0.0 | 0.0 | 0.0 | 10.0 | 0.0 | 0.0 | 38.5 | 104.0 | 23.5 | 15.0 | 7.5 | 0.0 | 198.5 |
| 1946 | 0.0 | 0.0 | 0.0 | 15.0 | 42.0 | 90.0 | 49.0 | 34.0 | 7.5 | 12.5 | 0.0 | 0.0 | 250.0 |
| 1947 | 0.0 | 0.0 | 0.0 | 18.0 | 15.0 | 134.0 | 97.0 | 25.0 | 23.0 | 28.0 | 0.0 | 0.0 | 340.0 |
| 1948 | 0.0 | 0.0 | 0.0 | 69.0 | 95.5 | 70.0 | 242.0 | 30.0 | 34.5 | 8.5 | 0.0 | 0.0 | 549.5 |
| 1949 | 0.0 | 0.0 | 8.0 | 0.0 | 225.5 | 85.0 | 28.0 | 26.0 | 6.0 | 0.0 | 0.0 | 0.0 | 378.5 |
| 1950 | 0.0 | 0.0 | 6.5 | 108.5 | 190.5 | 36.5 | 4.5 | 95.5 | 52.5 | 9.0 | 7.0 | 0.0 | 510.5 |
| 1951 | 0.0 | 0.0 | 0.0 | 19.0 | 54.5 | 273.0 | 274.5 | 19.0 | 26.0 | 0.0 | 0.0 | 0.0 | 666.0 |
| 1952 | 0.0 | 0.0 | 0.0 | 0.0 | 151.5 | 136.5 | 111.5 | 21.0 | 7.0 | 14.0 | 0.0 | 0.0 | 441.5 |
| 1953 | 0.0 | 0.0 | 0.0 | 26.0 | 263.0 | 56.0 | 112.0 | 179.5 | 172.5 | 6.0 | 0.0 | 6.5 | 821.5 |
| 1954 | 0.0 | 0.0 | 0.0 | 57.0 | 75.5 | 186.5 | 136.0 | 15.5 | 13.5 | 7.5 | 0.0 | 3.5 | 495.0 |
| 1955 | 0.0 | 0.0 | 0.0 | 0.0 | 56.5 | 91.0 | 16.5 | 53.0 | 15.5 | 13.0 | 0.0 | 18.0 | 263.5 |
| 1956 | 0.0 | 0.0 | 77.5 | 31.5 | 45.5 | 39.0 | 151.0 | 96.0 | 17.0 | 18.5 | 0.0 | 0.0 | 476.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.5 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 198.5 |
| MAX | 0.0 | 0.0 | 77.5 | 108.5 | 263.0 | 273.0 | 305.0 | 310.0 | 185.0 | 59.0 | 40.0 | 18.0 | 872.0 |
| PROM | 0.0 | 0.0 | 5.1 | 25.6 | 100.5 | 116.7 | 103.2 | 92.1 | 39.9 | 16.7 | 4.7 | 2.4 | 497.6 |
| DESV | 0.0 | 0.0 | 18.2 | 29.0 | 81.6 | 66.8 | 89.3 | 90.1 | 54.0 | 17.1 | 11.4 | 5.4 | 186.4 |
| CV | -1.0 | -1.0 | 3.6 | 1.1 | 0.8 | 0.6 | 0.9 | 1.0 | 1.4 | 1.0 | 2.4 | 2.3 | 0.4 |

NCTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

ZONA 5

PRECIPITACIONES (MM)

309 RAPEL
81 RAPEL EN EL PUENTE
778 LON 7152 ALT 50 (MTS)

SUP 14503 (KM2)

| ANO | ENE | FEB | MAR | ABR | MAY | JUN | JUL | AG | SEP | OCT | NOV | DIC | TOT |
|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|-------|
| 1941 | -1.0 | -1.0 | -1.0 | -1.0 | 260.0 | 179.0 | 270.0 | 259.0 | 5.0 | 9.0 | 21.0 | 0.0 | -1.0 |
| 1942 | 0.0 | 0.0 | 0.0 | 0.0 | 65.0 | 116.0 | 104.0 | 169.0 | 6.0 | 24.0 | 51.0 | 0.0 | 511.0 |
| 1943 | 0.0 | 0.0 | 13.0 | 24.0 | 107.0 | 144.0 | 110.0 | 92.0 | 0.0 | 0.0 | 0.0 | 0.0 | 490.0 |
| 1944 | 3.0 | 0.0 | 0.0 | 55.0 | 48.5 | 199.0 | 57.0 | 273.0 | 9.0 | 39.0 | 0.0 | 0.0 | 683.5 |
| 1945 | 0.0 | 42.0 | 3.0 | 15.0 | 10.0 | 3.0 | 30.0 | 105.0 | 38.0 | 17.0 | 10.0 | 0.0 | 273.0 |
| 1946 | 0.0 | 0.0 | 0.0 | 19.0 | 40.0 | 114.0 | 48.0 | 53.0 | 8.0 | 13.0 | 2.0 | 0.0 | 297.0 |
| 1947 | 0.0 | 0.0 | 0.0 | 0.0 | 17.0 | 213.0 | 110.0 | 69.0 | 25.0 | 32.0 | 0.0 | 0.0 | 466.0 |
| 1948 | 0.0 | 0.0 | 0.0 | 60.0 | 133.0 | 27.0 | 264.0 | 37.0 | 30.0 | 5.0 | 0.0 | 3.0 | 559.0 |
| 1949 | 0.0 | 0.0 | 3.0 | 0.0 | 203.0 | 8.0 | 15.0 | 27.0 | 0.0 | 0.0 | 0.0 | 25.0 | 281.0 |
| 1950 | 0.0 | 0.0 | 3.0 | 114.0 | 269.0 | 28.0 | 10.0 | 78.5 | 61.0 | 17.0 | 30.0 | 0.0 | 610.5 |
| 1951 | 0.0 | 0.0 | 0.0 | 11.0 | 81.0 | 392.0 | 309.0 | 14.0 | 43.0 | 0.0 | 2.0 | 0.0 | 852.0 |
| 1952 | 0.0 | 0.0 | 0.0 | 0.0 | 141.0 | 126.0 | 135.0 | 18.0 | 0.0 | 22.0 | 0.0 | 0.0 | 442.0 |
| 1953 | 2.0 | 0.0 | 0.0 | 55.0 | 250.0 | 19.0 | 41.0 | 260.0 | 221.0 | 12.0 | 0.0 | 2.0 | 862.0 |
| 1954 | 0.0 | 0.0 | 0.0 | 48.0 | 94.0 | 149.0 | 124.0 | 45.0 | 30.0 | 8.0 | 0.0 | 0.0 | 498.0 |
| 1955 | 0.0 | 0.0 | 0.0 | 9.0 | 46.0 | 174.0 | 21.0 | 68.0 | 21.0 | 19.0 | 0.0 | 0.0 | 358.0 |
| 1956 | 0.0 | 8.0 | 95.0 | 48.0 | 18.0 | -1.0 | 204.0 | 85.0 | -1.0 | 23.0 | 0.0 | 0.0 | -1.0 |
| 1957 | 0.0 | 0.0 | 0.0 | 10.0 | 253.0 | 27.0 | 75.0 | 38.0 | 0.0 | 12.0 | 0.0 | 25.0 | 440.0 |
| 1958 | 0.0 | 0.0 | 0.0 | 11.0 | 48.0 | 0.0 | 0.0 | 217.0 | 55.0 | 0.0 | 0.0 | -1.0 | -1.0 |
| 1959 | 25.0 | 0.0 | 25.0 | 98.0 | -1.0 | 159.0 | 109.0 | 93.0 | 30.0 | 25.0 | 0.0 | -1.0 | -1.0 |
| 1960 | 0.0 | 0.0 | 0.0 | 0.0 | 80.0 | 162.0 | 96.0 | 63.0 | 16.0 | 80.0 | -1.0 | 0.0 | -1.0 |
| 1961 | 10.0 | 0.0 | 35.0 | 0.0 | 45.0 | 131.0 | 99.0 | 131.5 | 113.0 | 0.0 | 0.0 | 0.0 | 564.5 |
| 1962 | 0.0 | 0.0 | 14.5 | 24.5 | 2.0 | 218.0 | 19.5 | 47.5 | 34.5 | 28.5 | 0.8 | 0.0 | 389.8 |
| 1963 | 0.0 | 0.0 | 17.0 | 0.3 | 89.0 | 93.5 | 189.5 | 203.5 | 187.5 | 8.0 | 37.5 | 0.0 | 825.8 |
| 1964 | 0.0 | 0.0 | 0.0 | 12.0 | 6.5 | 99.0 | 84.0 | 143.7 | 10.8 | 0.0 | 0.0 | 31.5 | 387.5 |
| 1965 | 0.0 | 0.0 | 0.0 | 56.0 | 65.5 | 75.0 | 395.5 | 310.5 | 9.0 | 31.0 | 9.0 | 12.0 | 963.5 |
| 1966 | 0.0 | 0.0 | 0.0 | 70.5 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 | -1.0 |
| MIN | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 0.0 | 14.0 | 0.0 | 0.0 | 0.0 | 0.0 | 273.0 |
| MAX | 25.0 | 42.0 | 95.0 | 114.0 | 269.0 | 392.0 | 395.5 | 310.5 | 221.0 | 80.0 | 51.0 | 31.5 | 963.5 |
| PROM | 1.6 | 2.0 | 8.3 | 29.6 | 98.8 | 119.0 | 116.8 | 116.0 | 39.7 | 17.0 | 6.8 | 4.3 | 537.7 |
| DESV | 5.3 | 8.5 | 20.2 | 32.5 | 86.4 | 90.8 | 102.6 | 89.0 | 56.9 | 17.5 | 13.9 | 9.5 | 204.6 |
| CV | 3.3 | 4.2 | 2.4 | 1.1 | 0.9 | 0.8 | 0.9 | 0.8 | 1.4 | 1.0 | 2.0 | 2.2 | 0.4 |

563.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS