

# PLUVIOMETRIA DE CHILE

ANEXO 1

PARTE A: HOYAS HIDROGRÁFICAS N° 101 - 143

OCTUBRE 1971

EDUARDO RAMIREZ G.  
Ing° Civil U.C.

DEPARTAMENTO DE RECURSOS HIDRAULICOS  
CORFO

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

## 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 I 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.-

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.

ZONA 1

PRECIPITACIONES (MM)  
HOYA 10) LA CONCORDIA SUP 1211 (KM2)  
EST 1 PUQUIOS  
LAT 1813 LON 6950 ALT 3728 (MTS)

```

*****
ANC  ENE  FEB  MAR  ABR  MAY  JUN  JUL  AG  SEP  OCT  NOV  DIC  TOT
*****
1961 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 0.0 0.0 0.0 0.0 15.0 -1.0
1962 38.0 21.0 23.0 0.0 15.0 0.0 0.0 0.0 0.0 23.0 0.0 4.0 48.0 172.0
1963 137.0 69.0 19.0 0.0 0.0 4.0 0.0 0.0 0.0 9.0 0.0 0.0 0.3 238.0
1964 9.0 6.0 6.0 2.0 0.0 0.0 0.0 0.0 10.0 0.0 0.0 0.0 15.0 48.0
1965 5.5 32.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 39.0 0.0 0.0 0.0 76.8
1966 0.0 -1.0 0.0 0.0 2.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 11.0 -1.0
1967 0.0 35.0 23.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 58.0
1968 15.6 19.0 9.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 10.2 53.9
*****
MIN  0.0  6.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  0.0  48.0
MAX 137.0 69.0 23.0 2.0 15.0 4.0 0.0 10.0 39.0 0.0 4.0 48.0 238.0
PROM 29.3 30.4 11.4 0.3 2.4 0.6 0.0 1.3 8.9 0.0 0.5 12.4 107.8
DESV 49.3 21.6 10.2 0.8 5.6 1.5 0.0 3.5 14.6 0.0 1.4 15.8 78.7
CV  1.7  0.7  0.9  2.6  2.3  2.6 -1.0 2.8 1.6 -1.0 2.8 1.3 0.7
*****

```

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 1 HOYA 105 CAMINA LOA SUP 6803 (KM2)  
 EST 1 IQUIQUE CAVANCHA  
 LAT 2012 LON 7011 ALT 8 (MTS)

OMC

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1899	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1901	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1902	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1903	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	15.0
1904	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6
1905	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1906	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	5.0
1907	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
1908	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0
1909	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1910	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1911	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1912	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1913	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1914	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	2.8
1915	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1916	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1917	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
1918	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1919	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1920	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2
1921	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.8	0.0	0.0	3.3
1922	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	2.1
1923	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1924	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
1925	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.2	0.0	0.0	2.0
1926	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	3.7	0.0	0.0	0.0	6.0
1927	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1928	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	2.7
1929	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1930	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	7.0
1931	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1932	0.0	0.0	0.0	0.0	0.0	1.3	1.0	0.8	1.9	0.4	0.0	0.0	5.4
1933	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4
1934	2.3	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.0	0.0	0.0	0.0	3.1
1935	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	1.9	0.0	0.0	0.0	4.4
1936	0.2	0.0	0.0	0.0	0.0	0.0	1.0	0.6	0.7	0.0	0.0	0.0	2.5
1937	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1938	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0
1939	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	2.7
1940	0.0	0.0	0.0	0.0	0.0	5.6	14.4	0.0	0.0	0.0	0.0	0.0	20.0
1941	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3
1942	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1943	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	1.6
1944	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	1.3
1945	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.6	0.6	0.0	0.0	7.6
1946	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1947	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1948	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1949	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1950	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1951	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1952	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1953	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1954	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1957	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.2	0.0	0.0	0.0	0.0	16.2
1958	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	4.2
1959	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1961	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1963	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	7.0
1966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1967	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	2.3	1.0	0.0	0.3	1.6	16.0	15.0	7.0	7.0	2.8	0.0	0.0	20.0
PROM	0.1	0.0	0.0	0.0	0.0	0.3	0.6	0.4	0.4	0.1	0.0	0.0	1.9
DESV	0.3	0.1	0.0	0.0	0.2	2.0	2.5	1.1	1.3	0.3	0.0	0.0	3.9
CV	5.1	8.3	-1.0	8.3	7.4	6.1	4.1	2.8	3.2	6.0	-1.0	-1.0	2.0

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 1 HOYA 105 CAMINA LOA SUP 6803 (KM2)

EST 2 IQUIQUE LOS CONDORES

LAT 2015 LON 7003 ALT 518 (MTS)

\*\*\*\*\*

ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1946	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0
1947	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1948	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1949	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1950	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1951	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1952	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1953	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1954	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1957	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	16.2
1958	0.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	4.2
1959	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1961	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3
1962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1963	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	7.8	0.0	0.0	0.0	8.7
1966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1967	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	1.3
1968	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.9	7.8	0.0	0.0	0.0	16.2
PROM	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.6	0.0	0.0	0.0	1.6
DESV	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	2.0	0.0	0.0	0.0	4.1
CV	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	4.4	3.4	3.1	-1.0	-1.0	-1.0	2.6

\*\*\*\*\*

4.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 1 HOYA 105 CAMINA LOA SUP 6803 (KM2)  
 EST 3 COLONIA PINTADOS  
 LAT 2037 LON 6939 ALT 977 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TGT
1943	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1944	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1945	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1946	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1947	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
1948	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1949	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1950	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
1951	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1952	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	1.5
1953	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1954	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	1.0	0.5	0.0	0.0	0.7	0.0	1.5	0.0	0.0	0.0	0.0	0.0
PROM	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	1.7
DESV	0.0	0.3	0.1	0.0	0.0	0.2	0.0	0.4	0.0	0.0	0.0	0.0	0.3
CV	-1.0	3.5	3.5	-1.0	-1.0	3.5	-1.0	3.5	-1.0	-1.0	-1.0	-1.0	2.0

5.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 1 HOYA 106 LOA SALAR DEL CARMEN SUP 8426 (KM2)  
 EST 1 TOCOPILLA  
 LAT 2205 LON 7013 ALT 16 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1925	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.8	2.8	0.0	0.0	0.0	9.1
1926	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5
1927	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	0.0	0.0	0.0	5.0
1928	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	6.0
1930	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	0.0	0.0	0.0	0.0	15.2
1931	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1940	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	11.0	0.0	0.0	-1.0
1941	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
1942	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0	0.0	8.5
1943	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1944	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1945	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1946	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1947	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1948	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1949	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1950	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1951	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1952	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	12.5	0.0	0.0	0.0	14.0
1966	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
1967	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
1968	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	1.2	6.0	6.0	15.2	12.5	11.0	0.0	0.0	15.2
PROM	0.0	0.0	0.0	0.0	0.1	0.5	0.7	1.1	0.7	0.5	0.0	0.0	3.1
DESV	0.0	0.0	0.0	0.0	0.3	1.6	1.8	3.5	2.6	2.2	0.0	0.0	4.7
CV	-1.0	-1.0	-1.0	-1.0	3.3	3.3	2.7	3.1	3.8	4.9	-1.0	-1.0	1.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 1

HQYA 106 LOA SALAR DEL CARMEN SUP 8426 (KM2)

FUENTE : OMC

EST 4 ANTOFAGASTA  
LAT 2326 LGN 7028 ALT 119 (MTS)

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1904	0.0	0.0	0.0	0.0	0.0	0.0	5.0	2.5	0.0	0.0	0.0	0.0	7.5
1905	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5
1906	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	2.6	4.9
1907	0.0	0.0	0.0	0.0	0.0	2.0	3.6	0.0	0.0	0.0	3.4	0.0	9.0
1908	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	2.2
1909	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1910	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	3.5
1911	0.0	0.0	0.0	0.0	0.0	4.5	5.5	0.0	0.0	0.0	0.0	0.0	10.0
1912	0.0	0.0	0.0	0.0	2.8	0.0	1.7	0.0	0.0	1.9	0.0	0.0	6.4
1913	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0	0.0	6.3
1914	0.0	0.0	0.0	1.0	0.0	1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1919	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1920	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	6.2
1921	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5
1922	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.0	0.0	0.0	0.3	0.0	1.5
1923	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.7
1924	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.8	0.0	0.0	0.0	1.3
1925	0.0	0.0	0.0	0.0	0.0	0.0	16.3	10.9	1.5	0.0	0.0	0.0	28.8
1926	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1927	0.0	0.0	0.0	0.0	0.0	0.0	12.6	0.0	0.2	0.0	0.0	0.0	12.8
1928	0.0	0.0	0.0	0.0	0.0	0.0	13.3	0.0	0.0	0.0	0.0	0.0	13.3
1929	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	0.0	0.0	0.0	0.0	-1.0
1930	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.2	0.0	0.0	0.2	0.0	28.4
1931	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	1.0	2.0	1.0	0.0	4.4
1932	0.0	0.0	0.0	0.0	0.0	1.0	9.0	0.0	0.0	0.0	0.0	0.0	10.0
1933	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0
1934	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.9	0.0	0.0	0.0	0.0	1.2
1935	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.6	0.1	0.7	0.0	0.0	2.6
1936	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.3	1.3	0.0	0.0	4.1
1937	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	3.6
1938	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	2.0	0.0	3.0
1939	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	8.0
1940	0.0	0.0	0.0	0.0	0.0	39.4	17.0	0.0	0.0	0.0	0.0	0.5	54.9
1941	0.0	0.0	0.0	8.0	1.0	4.0	0.0	0.0	0.4	5.1	0.0	0.0	18.7
1942	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.0	0.0	1.3
1943	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1944	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1945	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1946	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1947	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1948	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1949	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1950	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1951	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1952	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1953	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1954	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1956	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.2	0.0	0.0	1.4
1957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

70

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TQT
1958	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1959	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.4	0.0	0.0	0.0	4.9
1960	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.2	0.0	0.0	0.0	0.0	2.8
1961	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9
1962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	1.5
1963	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5
1964	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2
1965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.0	0.5
1966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1967	0.0	0.0	0.0	0.0	0.0	0.8	0.0	2.2	2.3	0.0	1.2	0.0	6.5
1968	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	8.0	2.8	39.4	17.0	28.2	6.8	9.7	4.0	2.6	56.9
PROM	0.0	0.0	0.0	0.2	0.1	1.0	1.5	0.8	0.7	0.5	0.3	0.1	5.2
DESV	0.0	0.0	0.0	1.0	0.4	5.2	3.9	3.9	1.6	1.8	0.8	0.3	9.5
CV	-1.0	-1.0	-1.0	6.7	5.8	5.1	2.5	4.6	2.4	3.3	3.1	6.6	1.8

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 2

HOYA 110 SALADO COPIAPO

SUP 5671 (KM2)

EST 1 CALDERA

LAT 2703 LON 7051 ALT 14 (MTS)

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1900	0.0	0.0	0.0	0.0	0.0	0.0	24.0	16.0	0.0	0.0	0.0	0.0	40.0
1901	0.0	0.0	0.0	0.0	0.0	0.8	1.9	4.1	1.0	0.8	0.0	0.6	15.8
1902	0.4	0.0	0.0	0.0	0.0	2.0	4.0	0.0	0.0	0.0	0.0	0.0	6.4
1903	0.0	0.0	0.0	0.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4
1904	0.0	0.0	0.0	0.0	0.0	0.0	15.8	3.2	0.0	3.5	0.0	0.0	22.5
1905	0.0	0.0	0.0	0.0	0.0	0.0	25.1	10.2	3.6	0.0	3.5	2.4	44.8
1906	2.9	0.0	0.0	1.0	0.0	5.2	3.0	0.0	0.0	0.6	0.0	0.0	12.7
1907	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.9	0.0	0.0	0.5	0.0	6.2
1908	1.2	0.0	0.0	0.0	20.1	0.4	0.1	0.0	0.1	0.5	0.0	0.0	22.4
1909	0.0	0.0	0.0	0.0	1.9	23.0	0.0	0.0	0.1	0.0	0.0	0.0	25.0
1910	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3
1911	0.0	0.0	0.0	13.9	0.0	1.4	0.0	0.0	0.8	0.0	0.0	0.0	16.1
1912	0.0	0.0	0.0	1.5	10.5	0.0	0.0	0.0	0.5	0.6	0.0	0.0	13.1
1913	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9
1914	0.0	0.0	0.0	0.0	0.0	28.8	2.8	4.8	6.8	0.6	0.0	0.0	43.6
1915	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.4	0.0	0.0	0.0	0.0	2.7
1916	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1917	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.6	0.3	0.0	1.3
1918	0.0	0.0	0.0	0.0	12.0	0.5	0.0	0.0	3.6	0.0	0.0	0.0	16.1
1919	0.0	0.0	0.0	0.0	14.4	7.9	0.0	0.0	0.0	0.0	0.0	0.0	22.3
1920	0.0	0.0	0.0	0.0	0.0	2.2	0.9	6.4	0.0	1.8	0.4	0.0	11.7
1921	0.0	0.0	0.0	0.0	5.0	0.0	0.0	3.4	0.0	0.0	2.2	0.0	10.6
1922	0.0	0.0	0.0	0.4	0.0	4.5	0.0	0.0	0.0	0.0	3.1	1.6	9.6
1923	0.0	0.0	0.0	0.0	0.0	0.0	13.4	0.2	0.0	0.4	0.0	0.0	14.0
1924	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	4.4	0.0	0.0	0.0	7.2
1925	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	1.9	0.0	0.5	5.5
1926	0.5	0.0	0.0	0.0	0.0	14.1	0.9	0.0	1.1	0.0	0.0	0.0	16.6
1927	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	80.0
1928	0.0	0.0	0.0	0.0	2.0	5.0	42.6	1.7	0.0	2.1	0.6	0.0	54.0
1929	0.4	0.0	0.1	0.0	7.2	53.1	1.0	0.2	0.1	2.4	2.2	2.5	68.4
1930	0.9	0.0	0.0	0.0	0.0	0.0	21.5	76.0	4.5	0.0	0.0	0.0	105.1
1931	0.0	0.0	0.0	24.0	0.0	0.0	0.0	0.2	1.6	0.9	14.0	0.2	40.9
1932	0.0	0.0	0.0	0.9	0.1	65.1	8.5	0.3	0.0	1.3	2.3	1.0	79.5
1933	0.0	1.0	0.0	0.0	4.1	0.0	4.4	1.5	1.7	0.3	0.0	0.0	13.4
1934	0.0	0.0	0.0	0.0	2.6	2.0	2.8	4.7	1.4	0.0	0.0	0.0	13.5
1935	0.1	0.0	0.0	0.0	0.0	0.0	12.7	3.1	0.0	13.2	1.6	0.0	30.7
1936	0.0	0.5	0.0	0.2	0.5	0.0	19.5	0.3	0.1	1.4	0.5	3.1	26.1
1937	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.2	3.4	0.5	4.2	0.0	10.3
1938	0.0	0.1	0.0	0.4	23.3	0.0	0.0	0.0	0.2	1.0	3.5	0.4	28.5
1939	0.0	0.0	0.2	0.0	0.5	0.5	1.1	0.1	0.0	17.4	0.3	0.0	20.1
1940	0.1	0.0	0.0	0.1	0.4	61.8	13.4	4.1	0.7	0.1	0.5	0.0	81.1
1941	0.1	0.0	0.0	1.5	20.7	1.6	25.5	6.9	1.0	0.5	2.2	0.0	58.0
1942	0.0	0.0	0.5	0.0	0.4	30.1	0.3	5.2	0.6	0.6	1.7	0.0	40.4
1943	0.5	0.0	0.0	0.0	0.0	60.7	1.1	0.0	1.4	0.6	0.0	0.1	64.4
1944	0.0	0.0	0.0	11.0	0.0	14.1	1.7	0.6	0.0	2.0	0.1	0.0	29.5
1945	0.0	0.0	0.0	0.0	0.1	0.0	0.0	1.1	1.9	1.1	0.1	0.0	4.3
1946	0.2	0.2	0.0	0.0	28.2	0.5	0.0	0.0	0.0	0.2	0.1	0.3	30.9
1947	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.1	0.0	0.6	0.0	1.6
1948	0.0	0.0	0.0	0.0	2.4	0.0	3.3	0.4	0.0	0.7	0.1	0.8	7.7
1949	0.0	0.0	0.0	0.0	0.0	0.6	1.5	24.0	0.0	0.9	1.2	0.0	28.2

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1950	0.0	0.0	0.0	0.0	13.0	6.5	3.8	0.2	0.9	2.7	0.0	1.4	28.5
1951	0.5	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.1	0.0	0.0	1.0	7.7
1952	0.0	0.0	0.0	0.0	15.5	12.0	14.2	0.2	2.9	0.0	0.0	0.5	45.3
1953	0.0	0.0	0.0	0.0	0.2	1.0	0.0	5.9	1.8	0.2	0.1	0.5	9.7
1954	0.0	0.1	0.0	0.0	0.0	7.2	25.0	0.0	0.5	0.0	0.5	1.5	34.8
1955	0.0	0.0	0.0	0.0	2.9	1.7	7.2	0.0	1.2	0.0	0.2	0.0	13.2
1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.5	0.1	0.0	3.9
1957	0.0	0.0	0.0	0.0	0.8	0.0	20.4	0.1	0.1	0.2	0.6	0.0	22.2
1958	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	3.3	0.5	0.5	0.0	11.2
1959	0.0	0.0	0.0	1.9	0.0	0.0	0.0	12.5	0.0	4.1	0.5	1.7	20.7
1960	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	1.0	0.1	0.3	1.6
1961	0.0	0.0	0.0	0.0	0.0	0.0	9.0	16.4	0.1	0.5	0.5	0.0	26.5
1962	0.0	0.0	0.0	0.0	0.7	0.0	0.2	2.0	0.0	22.0	0.0	0.0	24.9
1963	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0	15.8	0.4	0.0	0.0	21.4
1964	0.0	0.0	0.0	0.0	0.4	0.6	0.0	0.0	0.8	0.3	0.3	0.0	2.4
1965	1.2	0.0	0.5	0.0	0.5	0.0	39.0	0.0	0.0	0.2	3.8	0.0	45.2
1966	0.0	0.2	-1.0	0.0	0.0	3.2	0.1	0.0	0.0	0.0	0.1	0.0	3.6
1967	0.0	0.0	0.0	0.0	0.0	7.9	0.0	12.0	1.4	2.0	0.0	0.0	23.3
1968	-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
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	2.9	1.0	0.5	24.0	28.2	65.1	42.6	76.0	15.8	22.0	14.0	4.2	105.1
PROM	0.1	0.0	0.0	0.9	3.0	6.4	5.8	3.6	1.1	1.4	0.8	0.4	24.1
DESV	0.4	0.1	0.1	3.6	6.3	15.0	9.7	10.1	2.3	3.7	1.9	0.8	22.5
CV	3.1	4.5	4.6	4.2	2.1	2.3	1.7	2.8	2.1	2.6	2.5	2.2	0.9

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 116 ELQUI LIMARI SUP 2231 (KM2)  
 EST 1 EL TOFO  
 LAT 2957 LON 7115 ALT 787 (MTS)  
 \*\*\*\*\*  
 ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT  
 \*\*\*\*\*  
 1965 0.0 0.0 0.0 0.0 15.6 1.2 100.0 59.0 1.0 0.0 0.0 0.0 176.8  
 1966 0.0 0.0 0.0 0.0 0.0 48.0 29.0 2.0 1.8 1.0 9.0 0.0 90.8  
 1967 0.0 0.0 0.0 0.0 1.6 37.0 15.0 6.0 22.0 2.5 0.0 0.0 84.1  
 1968 0.0 0.0 0.0 0.0 0.0 0.0 -1.0 0.0 1.2 -1.0 1.2 -1.0 0.0 -1.0  
 \*\*\*\*\*

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 116 ELQUI LIMARI SUP 2231 (KM2)  
 EST 3 HOA CORAZ DE MARIA  
 LAT 3000 LON 7115  
 \*\*\*\*\*

12

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1933	0.0	0.0	0.0	0.0	15.0	26.0	9.0	0.0	0.0	0.0	0.0	0.0	50.0
1934	0.0	0.0	0.0	0.0	119.0	52.0	4.0	32.0	8.0	5.0	0.0	0.0	220.0
1935	0.0	0.0	0.0	0.0	0.0	43.0	47.0	5.0	0.0	4.0	0.0	0.0	99.0
1936	0.0	0.0	0.0	0.0	6.0	8.0	46.0	16.0	0.0	4.0	0.0	0.0	80.0
1937	0.0	0.0	0.0	0.0	0.0	47.0	22.0	34.0	5.0	2.0	0.0	0.0	110.0
1938	0.0	0.0	0.0	0.0	84.0	14.0	8.0	0.0	0.0	3.0	0.0	0.0	109.0
1939	0.0	0.0	0.0	0.0	4.0	61.0	7.0	3.0	2.0	45.0	0.0	23.0	145.0
1940	0.0	0.0	0.0	0.0	14.0	69.0	92.0	34.0	0.0	14.0	0.0	0.0	223.0
1941	0.0	0.0	0.0	6.0	89.0	15.0	61.0	73.0	0.0	9.0	0.0	0.0	253.0
1942	0.0	0.0	0.0	0.0	12.0	39.0	39.0	79.0	7.0	14.0	5.0	0.0	195.0
1943	0.0	0.0	0.0	0.0	10.0	51.0	12.0	64.0	4.0	0.0	0.0	0.0	141.0
1944	0.0	2.0	0.0	38.0	30.0	98.0	3.0	46.0	1.0	0.0	0.0	0.0	218.0
1945	0.0	51.0	0.0	0.0	0.0	0.0	0.0	21.0	18.0	0.0	0.0	0.0	90.0
1946	0.0	0.0	0.0	0.0	31.0	42.0	2.0	5.0	2.0	0.0	0.0	0.0	82.0
1947	0.0	0.0	0.0	0.0	0.0	2.0	8.0	26.0	0.0	0.0	0.0	0.0	36.0
1948	0.0	0.0	0.0	6.7	14.3	0.0	45.4	3.5	0.0	0.0	0.0	0.0	69.9
1949	0.0	0.0	0.0	0.0	2.0	7.5	74.0	31.0	0.0	0.0	0.0	0.0	114.5
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.0
MAX	0.0	51.0	0.0	38.0	119.0	98.0	92.0	79.0	18.0	45.0	5.0	23.0	253.0
PROM	0.0	3.1	0.0	3.0	25.3	33.8	28.2	27.8	2.8	5.9	0.3	1.4	131.5
DESV	0.0	12.3	0.0	9.3	36.3	28.0	28.5	25.5	4.7	11.1	1.2	5.6	66.8
CV	-1.0	4.0	-1.0	3.1	1.4	0.8	1.0	0.9	1.7	1.9	4.1	4.1	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

SUP 2231 (KM2)

ZONA 3 HOYA 116 ELQUI LIMARI  
 EST 4 FDD STA ANA  
 LAT 3002 LON 7118 ALT 75 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1932	0.0	0.0	0.0	0.0	18.0	65.0	4.0	25.0	0.0	0.0	0.0	0.0	112.0
1933	0.0	0.0	0.0	0.0	15.0	17.0	8.0	0.0	0.0	0.0	0.0	0.0	40.0
1934	0.0	0.0	0.0	0.0	91.0	45.0	0.0	30.0	6.0	13.0	0.0	0.0	185.0
1935	0.0	0.0	0.0	0.0	0.0	23.0	36.0	4.0	0.0	5.0	0.0	0.0	60.0
1936	0.0	0.0	0.0	0.0	7.0	6.0	29.0	10.0	4.0	4.0	0.0	0.0	84.0
1937	0.0	0.0	0.0	0.0	0.0	35.0	22.0	23.0	4.0	0.0	0.0	0.0	57.0
1938	0.0	0.0	0.0	0.0	40.0	11.0	2.0	4.0	0.0	0.0	0.0	0.0	40.0
MIN	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	185.0
MAX	0.0	0.0	0.0	0.0	91.0	65.0	36.0	30.0	6.0	13.0	0.0	0.0	86.6
PROM	0.0	0.0	0.0	0.0	24.4	28.9	14.4	13.7	2.0	3.1	0.0	0.0	49.1
DESV	0.0	0.0	0.0	0.0	32.4	20.9	14.4	12.0	2.6	4.8	0.0	0.0	0.6
CV	-1.0	-1.0	-1.0	-1.0	1.3	0.7	1.0	0.9	1.3	1.5	-1.0	-1.0	0.6

13.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)  
 ZONA 3  
 HOYA 116 ELQUI LIMARI  
 EST 5 FDO LAGUNILLAS  
 LAT 3006 LON 7124 ALT 10 (MTS)  
 SUP 2231 (KM2)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1924	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	3.0	0.0	0.0	0.0	16.0
1925	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	4.0	20.0	0.0	0.0	44.0
1926	0.0	0.0	0.0	0.0	0.0	17.0	96.0	27.0	1.0	1.0	0.0	0.0	225.0
1927	0.0	0.0	0.0	0.0	5.0	70.0	14.0	0.0	3.0	4.0	0.0	0.0	102.0
1928	0.0	0.0	0.0	7.0	25.0	71.0	65.0	9.0	2.0	0.0	0.0	0.0	179.0
1929	0.0	0.0	0.0	0.0	1.0	126.0	14.0	7.0	0.0	0.0	0.0	0.0	148.0
1930	0.0	0.0	0.0	0.0	3.0	55.0	48.0	123.0	8.0	0.0	0.0	0.0	244.0
1931	0.0	0.0	0.0	27.0	0.0	22.0	34.0	7.0	25.0	2.0	6.0	0.0	123.0
1932	2.0	0.0	0.0	3.0	32.0	73.0	9.0	31.0	0.0	0.0	0.0	0.0	151.0
1933	0.0	0.0	0.0	0.0	18.0	22.0	5.0	0.0	0.0	0.0	0.0	3.0	47.0
1934	0.0	0.0	0.0	0.0	93.0	53.0	1.0	21.0	0.0	0.0	0.0	0.0	168.0
1935	0.0	0.0	0.0	0.0	2.0	32.0	47.0	5.0	0.0	8.0	0.0	0.0	94.0
1936	0.0	0.0	0.0	0.0	9.0	9.0	37.0	15.0	1.0	1.0	0.0	0.0	72.0
1937	0.0	0.0	0.0	0.0	1.0	32.0	24.0	33.0	1.0	2.0	0.0	0.0	93.0
1938	0.0	0.0	0.0	0.0	53.0	17.0	7.0	0.0	0.0	0.0	0.0	0.0	77.0
1939	0.0	0.0	0.0	1.0	6.0	54.0	8.0	2.0	4.0	37.0	0.0	0.0	128.0
1940	0.0	0.0	0.0	0.0	11.0	48.0	85.0	25.0	1.0	0.0	0.0	10.0	170.0
1941	0.0	0.0	0.0	0.0	105.0	19.0	67.0	75.0	2.0	0.0	0.0	0.0	268.0
1942	0.0	0.0	0.0	0.0	10.0	22.0	30.0	67.0	7.0	2.0	0.0	0.0	138.0
1943	0.0	0.0	0.0	0.0	16.0	55.0	13.0	48.0	1.0	0.0	0.0	0.0	133.0
1944	0.0	43.0	1.0	20.0	31.0	115.0	3.0	50.0	10.0	0.0	0.0	0.0	221.0
1945	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	13.0	1.0	0.0	0.0	83.0
1946	0.0	0.0	0.0	2.0	31.0	60.0	4.0	17.0	1.0	0.0	0.0	0.0	115.0
1947	0.0	0.0	0.0	0.0	0.0	3.0	19.0	49.0	0.0	0.0	0.0	0.0	71.0
1948	0.0	0.0	0.0	4.5	15.4	9.8	38.3	2.5	0.0	2.0	0.0	0.0	72.5
1949	0.0	0.0	0.0	0.0	1.5	14.5	74.4	26.3	0.0	4.0	0.0	0.0	120.7
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	2.0	43.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0
PROM	0.1	1.7	0.1	27.0	105.0	126.0	85.0	123.0	25.0	37.0	6.0	10.0	268.0
DESV	0.4	8.4	0.4	2.8	18.7	41.5	28.6	26.3	3.0	3.2	0.2	0.5	127.0
CV	5.1	5.1	3.7	2.4	27.2	35.3	27.1	28.7	5.5	8.0	1.2	2.0	63.8
					1.5	0.9	0.9	1.1	1.8	2.5	5.1	4.0	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

```

*****
ZONA 3 HOYA 116 ELQUI LIMARI SUP 2231 (KM2)
EST 6 TONGOICILLO
LAT 3010 LON 7120
*****
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
*****
1946 0.0 0.0 0.0 6.0 31.0 71.0 4.0 28.6 0.0 0.0 0.0 0.0 140.6
1947 0.0 0.0 0.0 0.0 0.0 8.0 50.3 0.0 0.0 0.0 0.0 0.0 58.3
1948 0.0 0.0 0.0 3.0 16.0 0.0 58.0 3.0 0.0 0.0 0.0 0.0 80.0
1949 0.0 0.0 0.0 0.0 4.0 8.0 79.0 33.0 0.0 0.0 0.0 0.0 124.0
*****

```

15.

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 3 HOYA 116 ELQUI LIMARI SUP 2231 (KM2)

EST 7 ANDACULLO

LAT 3011 LON 7105 ALT 1200 (MTS)

\*\*\*\*\*

ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	0.0	0.0	0.0	0.0	19.0	90.0	92.0	49.0	163.0	0.0	2.0	0.0	415.0
1964	0.0	0.0	0.0	0.0	0.0	19.0	0.0	36.0	0.0	0.0	0.0	0.0	55.0
1965	0.0	0.0	0.0	8.0	28.0	4.0	203.0	136.0	2.0	0.5	0.0	0.0	381.5
1966	0.0	0.0	0.0	2.5	0.0	96.0	84.0	17.0	2.0	0.0	-1.0	-1.0	201.5
1968	0.0	0.0	0.0	0.0	0.0	46.5	0.0	3.0	5.0	0.0	0.0	0.0	54.5
MIN	0.0	0.0	0.0	0.0	0.0	4.0	0.0	3.0	0.0	0.0	0.0	0.0	54.5
MAX	0.0	0.0	0.0	8.0	28.0	96.0	203.0	136.0	163.0	0.5	2.0	0.0	415.0
PROM	0.0	0.0	0.0	2.1	9.4	51.1	75.8	48.2	34.4	0.1	0.5	0.0	221.5
DESV	0.0	0.0	0.0	3.5	13.3	41.2	83.7	52.1	71.9	0.2	1.0	0.0	172.5
CV	-1.0	-1.0	-1.0	1.7	1.4	0.8	1.1	1.1	2.1	2.2	2.0	-1.0	0.8

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM) SUP 2231 (KM2)  
 \*\*\*\*\*  
 ZCNA 3 HOYA 116 ELQUI LIMARI DE VACA 42 (MTS)  
 EST 8 PTA LENGUA ALT \*\*\*\*\*  
 LAT 3013 LON 7140 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1913	0.0	0.0	0.0	0.0	32.7	72.2	41.0	7.9	23.2	5.0	0.0	0.0	189.8
1914	0.0	0.0	0.0	0.0	72.4	44.5	0.0	0.0	0.0	0.0	0.0	0.0	116.9
1915	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	12.2	0.0	0.0	0.0	16.9
1916	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	0.0	0.0	0.0	110.8
1917	0.0	0.0	0.0	0.0	15.7	65.2	15.0	3.9	6.1	0.0	0.0	0.0	340.8
1918	0.0	0.0	0.0	0.0	0.0	19.9	6.4	6.9	0.0	0.0	0.0	0.0	28.5
1919	0.0	0.0	0.0	0.0	0.0	48.5	72.1	0.0	0.0	0.0	0.0	0.0	115.2
1920	0.0	0.0	0.0	0.0	21.3	13.3	4.6	0.0	0.0	0.0	0.0	0.0	171.7
1921	0.0	0.0	0.0	0.0	10.3	23.3	0.0	0.0	2.2	0.0	0.0	0.0	80.0
1922	0.0	0.0	0.0	0.0	82.5	52.0	22.3	87.7	4.4	0.0	0.0	0.0	6.6
1923	0.0	0.0	0.0	0.0	4.2	18.0	34.8	27.0	0.0	20.5	0.0	0.0	284.6
1924	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	48.8
1925	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	145.8
1926	0.0	0.0	0.0	0.0	1.4	0.0	4.4	9.8	0.8	0.0	0.0	0.0	95.8
1927	0.0	0.0	0.0	0.0	16.2	163.2	94.4	0.6	4.7	0.0	0.0	0.0	104.0
1928	0.0	0.0	0.0	0.0	36.3	89.0	14.0	2.4	0.0	0.0	0.0	0.0	219.1
1929	0.0	0.0	0.0	0.0	15.3	31.0	43.0	15.4	0.0	0.0	0.0	0.0	83.0
1930	0.0	0.0	0.0	0.0	0.0	85.9	2.2	92.7	5.5	0.0	0.0	0.0	148.0
1931	0.0	0.0	0.0	0.0	6.4	44.2	69.3	10.7	11.5	1.0	0.0	0.0	30.4
1932	0.0	0.0	0.0	0.0	7.5	13.6	20.8	24.8	0.0	1.6	0.0	0.0	135.5
1933	0.0	0.0	0.0	0.0	36.3	67.8	7.8	0.0	0.0	4.4	0.0	0.0	77.4
1934	0.0	0.0	0.0	0.0	14.5	12.6	3.6	1.2	2.6	0.0	0.0	0.0	67.1
1935	0.0	0.0	0.0	0.0	7.6	39.6	2.6	3.3	0.0	1.3	0.0	0.0	80.0
1936	0.0	0.0	0.0	0.0	11.1	26.6	31.7	4.9	1.1	0.0	0.0	0.0	67.2
1937	0.0	0.0	0.0	0.0	9.4	5.5	14.1	42.2	0.0	1.5	0.0	0.0	128.4
1938	0.0	0.0	0.0	0.0	0.3	14.5	5.5	0.0	0.0	0.0	0.0	0.0	154.9
1939	0.0	0.0	0.0	0.0	50.0	10.5	12.9	0.0	3.1	4.0	0.0	0.0	207.0
1940	0.0	0.0	0.0	0.0	6.4	37.4	52.0	17.4	0.0	4.7	0.0	0.0	154.5
1941	0.0	0.0	0.0	0.0	38.0	46.1	69.0	26.3	5.5	4.0	0.0	0.0	173.0
1942	0.0	0.0	0.0	0.0	89.9	12.5	69.0	67.7	0.0	0.0	0.0	0.0	177.0
1943	0.0	0.0	0.0	0.0	7.1	22.3	20.0	41.2	0.0	0.0	0.0	0.0	43.2
1944	0.0	0.0	0.0	0.0	22.1	38.8	8.0	34.2	0.0	0.0	0.0	0.0	94.4
1945	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9	0.0	0.0	0.0	0.0	115.7
1946	0.0	0.0	0.0	0.0	18.0	46.6	0.0	0.0	0.0	0.0	0.0	0.0	115.7
1947	0.0	0.0	0.0	0.0	0.0	23.0	28.7	4.0	0.0	0.0	0.0	0.0	158.5
1948	0.0	0.0	0.0	0.0	1.0	5.0	27.3	0.0	0.0	0.0	0.0	0.0	51.1
1949	0.0	0.0	0.0	0.0	11.2	68.0	60.0	33.5	0.0	0.0	0.0	0.0	167.0
1950	0.0	0.0	0.0	0.0	8.5	13.7	0.0	0.0	0.0	0.0	0.0	0.0	105.2
1951	0.0	0.0	0.0	0.0	25.0	118.5	8.0	0.0	0.0	0.0	0.0	0.0	178.1
1952	0.0	0.0	0.0	0.0	6.3	19.7	49.5	4.5	1.8	0.0	0.0	0.0	0.0
1953	0.0	0.0	0.0	0.0	0.0	68.6	10.0	5.5	0.0	0.0	0.0	0.0	0.0
1954	0.0	0.0	0.0	0.0	8.2	76.4	58.4	22.3	2.3	0.0	0.0	0.0	6.6
1955	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	25.0	21.2	0.0	0.0	0.0	0.0	0.0	0.0	340.8
MAX	1.5	21.2	0.0	0.3	31.1	33.9	23.8	16.7	3.4	46.5	8.2	2.1	118.6
PROM	0.1	3.3	0.0	1.1	42.2	33.0	24.0	23.3	5.1	3.3	1.8	3.7	71.0
DESV	0.4	3.3	0.0	1.1	2.1	1.4	1.0	1.4	1.5	8.6	2.7	4.5	0.6
CV	3.1	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

NEGATIVOS INDICAN DATOS DESCONOCIDOS

\*\*\*\*\*  
 ZONA 3  
 HOYA 116 ELQUI LIMARI  
 EST 10 TONGOY HDA ALTO  
 LAT 3016 LON 7125 ALT 3 (MTS)  
 SUP 2231 (KM2)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1937	0.0	0.0	0.0	0.0	19.0	28.0	68.0	5.0	0.0	0.0	0.0	0.0	120.0
1938	0.0	0.0	0.0	0.0	61.0	11.0	5.0	0.0	0.0	0.0	0.0	0.0	79.0
1939	0.0	0.0	0.0	0.0	6.0	48.0	8.0	0.0	0.0	0.0	0.0	0.0	130.0
1940	0.0	0.0	0.0	0.0	38.0	66.0	103.0	29.0	1.0	34.0	0.0	31.0	237.0
1941	0.0	0.0	0.0	0.0	121.0	15.0	16.0	60.0	0.0	0.0	0.0	0.0	212.0
1942	0.0	0.0	0.0	0.0	8.0	24.0	33.0	74.0	6.0	21.0	0.0	0.0	174.0
1943	0.0	0.0	0.0	0.0	11.0	81.0	13.0	70.0	0.0	0.0	8.0	0.0	176.0
1944	0.0	0.0	0.0	0.0	44.3	99.8	7.5	83.0	0.0	4.2	0.0	0.0	261.8
1945	0.0	45.0	0.0	22.0	0.0	0.0	0.0	41.0	15.0	1.0	0.0	0.0	106.4
1946	0.0	0.0	0.0	5.7	34.9	100.1	2.4	38.0	0.0	0.0	0.0	0.0	184.1
1947	0.0	0.0	0.0	7.5	15.0	15.2	56.0	0.0	0.0	0.0	0.0	0.0	65.5
1948	0.0	0.0	0.0	7.5	17.0	30.5	31.0	4.5	0.0	2.0	0.0	0.0	73.2
1949	0.0	0.0	0.0	24.0	115.2	0.0	77.8	31.5	1.5	0.0	0.0	0.0	158.3
1950	0.0	0.0	0.0	2.5	25.5	18.5	1.2	0.0	20.5	0.0	0.0	0.0	169.9
1951	0.0	0.0	0.0	2.5	59.0	93.5	9.0	0.0	8.5	0.0	9.2	0.0	64.0
1952	0.0	0.0	0.0	13.5	3.5	0.0	30.0	11.5	1.0	0.0	0.0	0.0	195.0
1953	0.0	0.0	0.0	9.5	51.5	33.5	9.5	98.0	18.5	0.0	0.0	0.0	144.0
1954	0.0	0.0	0.0	25.5	8.0	0.0	28.5	11.5	0.0	0.0	0.0	0.0	134.0
1955	0.0	0.0	43.5	0.0	12.0	0.0	4.5	33.5	0.0	0.0	0.0	0.0	75.0
1956	0.0	0.0	0.0	0.0	311.0	7.5	49.0	55.0	39.5	3.5	0.0	0.0	201.0
1957	0.0	0.0	0.0	10.5	7.0	66.0	68.5	2.5	14.0	0.0	0.0	0.0	434.5
1958	0.0	0.0	0.0	0.0	2.0	91.0	10.0	27.0	0.0	8.0	0.0	31.0	199.0
1959	0.0	0.0	0.0	0.0	0.0	24.0	0.0	2.0	0.0	0.0	0.0	0.0	145.0
1960	0.0	0.0	0.0	0.0	0.0	114.0	26.2	64.0	0.0	0.0	0.0	0.0	28.0
1961	0.0	0.0	0.0	0.0	18.5	79.0	1.5	0.0	0.0	6.0	0.0	0.0	210.2
1962	0.0	0.0	0.0	0.0	0.0	30.0	64.5	35.0	0.0	24.5	0.0	0.0	105.0
1963	0.0	0.0	0.0	0.5	17.5	13.0	10.0	11.5	89.0	0.0	0.0	0.0	237.5
1964	0.0	0.0	0.0	0.0	0.0	2.5	101.0	122.0	0.0	0.0	0.0	0.0	34.5
1965	0.0	0.0	0.0	0.0	0.0	109.0	39.5	0.0	0.0	0.0	0.0	0.0	244.0
1966	0.0	0.0	0.0	0.0	0.0	19.0	41.0	1.5	38.0	0.0	0.0	0.0	148.5
1967	0.0	0.0	0.0	0.0	0.0	44.0	0.0	3.5	3.5	0.0	0.0	0.0	99.5
1968	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.1
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	45.0	43.5	25.5	311.0	114.0	103.0	122.0	89.0	0.0	0.0	0.0	28.0
PROM	0.0	1.4	1.4	3.8	31.4	39.7	29.9	30.2	8.9	3.4	0.0	0.0	434.5
DESV	0.0	8.0	7.7	7.5	59.6	37.5	29.9	33.4	8.9	3.4	0.5	31.0	153.0
CV	-1.0	5.5	5.5	2.0	1.9	0.9	1.0	1.1	2.1	2.3	0.5	1.9	82.7
													0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM) SUP 2231 (KM2)  
 HOYA 116 ELQUI LIMARI  
 EST 12 EL TANGUE ALT 118 (MTS)  
 LAT 3018 LON 7136

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1939	0.0	0.0	0.0	0.0	1.0	8.0	56.0	12.0	0.0	6.0	39.0	0.0	145.0
1940	0.0	0.0	0.0	0.0	10.0	60.8	65.4	21.7	2.1	2.2	0.0	0.0	162.2
1941	0.0	0.0	0.0	0.0	104.8	20.2	65.7	44.9	0.0	0.0	0.0	0.0	235.6
1942	0.0	0.0	0.0	0.0	7.8	31.4	36.7	99.0	4.5	23.4	8.3	0.0	211.1
1943	0.0	0.0	0.0	0.0	22.1	82.2	8.0	49.7	0.9	0.0	0.0	0.0	167.5
1944	0.0	0.0	0.0	0.0	40.9	133.1	9.5	42.4	11.3	11.8	0.0	0.0	262.7
1945	0.0	36.1	0.0	0.0	0.0	0.0	0.0	17.5	0.0	0.0	0.0	0.0	64.9
1946	0.0	0.0	0.0	0.0	9.4	29.8	3.4	38.8	0.0	4.0	0.0	0.0	104.5
1947	0.0	0.0	0.0	0.0	0.0	59.2	4.4	0.0	0.0	0.0	0.0	0.0	148.3
1948	0.0	0.0	0.0	0.0	0.0	19.4	40.5	1.3	1.5	0.0	0.0	0.0	190.5
1949	0.0	0.0	0.0	0.0	29.5	12.8	70.7	37.2	16.5	0.0	16.6	0.0	54.0
1950	0.0	0.0	0.0	0.0	0.0	26.1	4.2	0.0	7.8	0.0	0.0	0.0	213.9
1951	0.0	0.0	0.0	0.0	22.7	130.5	9.9	0.0	0.0	0.0	0.0	0.0	97.3
1952	0.0	0.0	0.0	0.0	6.5	23.8	6.6	31.7	13.5	0.9	0.0	0.0	187.3
1953	0.0	0.0	0.0	0.0	16.7	63.8	106.7	11.5	0.0	4.0	0.0	0.0	68.9
1954	0.0	0.0	0.0	0.0	9.5	72.6	67.0	25.1	1.7	2.4	0.0	0.0	129.8
1955	0.0	0.0	0.0	0.0	19.6	12.6	0.0	5.8	26.3	1.5	0.0	0.0	262.5
1956	0.0	0.0	0.0	0.0	0.0	3.7	3.0	36.9	2.8	6.0	0.0	0.0	166.7
1957	0.0	0.0	0.0	0.0	0.0	8.5	94.5	17.5	13.6	0.0	0.0	0.0	132.9
1958	0.0	0.0	0.0	0.0	15.0	8.0	83.1	10.4	0.0	0.0	0.0	0.0	21.7
1959	0.0	0.0	0.0	0.0	2.4	18.0	1.0	1.3	0.0	3.0	0.0	0.0	240.7
1960	0.0	0.0	0.0	0.0	0.0	104.7	38.4	94.6	0.0	24.0	0.0	0.0	222.8
1961	0.0	0.0	0.0	0.0	0.0	98.8	0.0	0.0	85.9	0.0	0.0	0.0	257.2
1962	0.0	0.0	0.0	0.0	0.0	48.5	63.2	30.6	0.0	0.0	0.0	0.0	40.2
1963	0.0	0.0	0.0	0.0	29.0	4.0	9.5	26.7	0.0	0.0	0.0	0.0	246.8
1964	0.0	0.0	0.0	0.0	0.0	3.3	109.5	115.0	0.0	0.0	0.0	0.0	163.0
1965	0.0	0.0	0.0	0.0	19.0	131.5	27.5	5.5	43.0	-1.0	-1.0	-1.0	93.0
1966	0.0	0.0	0.0	0.0	0.0	9.5	35.0	5.5	-1.0	0.0	0.0	0.0	50.0
1967	0.0	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	21.7
1968	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	262.7
MAX	0.0	36.1	33.0	29.5	187.2	133.1	109.5	115.0	85.9	39.0	16.6	23.0	148.3
PROM	0.0	1.3	1.3	5.4	27.8	44.4	28.5	28.0	8.6	4.2	0.9	1.4	72.3
DESV	0.0	6.2	6.2	8.9	44.6	43.5	26.6	31.0	17.9	9.2	3.4	3.8	0.5
CV	-1.0	5.2	4.7	1.6	1.6	1.0	0.9	1.1	2.1	2.2	4.0	3.8	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

\*\*\*\*\* PRECIPITACIONES (MM) \*\*\*\*\*

ZONA 3

HOYA 116 ELQUI LIMARI  
 EST 13 FDO PACHINGO  
 LAT 3027 LON 7133 ALT 78 (MTS)  
 SUP 2231 (KM2)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	0.0	0.0	0.0	0.0	32.0	51.0	64.0	40.0	101.0	0.0	0.0	0.0	288.0
1965	0.0	0.0	0.0	0.0	-1.0	0.0	136.0	138.0	0.0	0.0	0.0	0.0	-1.0
1966	0.0	-1.0	0.0	0.0	7.6	0.0	104.0	43.0	0.8	-1.0	0.0	0.0	-1.0
1967	0.0	0.0	0.0	0.0	0.0	0.0	16.0	42.0	1.5	4.6	0.0	0.0	0.0
1968	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	6.0	3.0	0.0	0.0	105.5
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81.0
PROM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	288.0
DESV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	158.2
CV	-1.0	-1.0	-1.0	3.4	16.0	42.0	49.9	58.6	37.3	37.5	0.0	0.0	113.1
				2.2	2.0	0.9	0.9	1.6	1.3	-1.0	-1.0	-1.0	0.7

20.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

SUP 2231 (KM2)

ZCNA 3 HOYA 116 ELQUI LIMARI  
 EST 14 HDA STA CRISTINA  
 LAT 3034 LON 7124

AND	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1946	-1.0	-1.0	-1.0	-1.0	-1.0	65.4	-1.0	33.4	-1.0	-1.0	-1.0	-1.0	-1.0
1947	0.0	0.0	0.0	0.0	0.0	17.3	79.1	1.5	0.0	0.0	0.0	0.0	101.9
1948	0.0	0.0	0.0	0.0	17.4	21.5	16.4	62.3	1.3	0.0	0.0	0.0	118.9
1949	0.0	0.0	0.0	0.0	0.0	16.1	28.1	63.9	33.4	0.0	0.0	0.0	141.5
1950	0.0	0.0	0.0	0.0	18.5	132.2	0.0	0.0	13.5	0.0	0.0	0.0	164.2
1951	0.0	0.0	0.0	0.0	0.0	26.8	26.8	17.3	4.1	0.0	0.0	0.0	76.0
1952	0.0	0.0	0.0	0.0	0.0	80.0	91.5	45.0	1.5	0.0	0.0	0.0	226.2
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76.0
MAX	0.0	0.0	0.0	18.5	132.2	91.5	79.1	33.4	13.5	2.5	0.0	0.0	226.2
PROM	0.0	0.0	0.0	6.0	46.1	35.1	44.6	11.3	3.4	0.4	0.0	0.0	138.1
DESV	0.0	0.0	0.0	9.3	50.1	31.9	30.4	15.4	5.2	1.0	0.0	0.0	52.9
CV	-1.0	-1.0	-1.0	1.6	1.1	0.9	0.7	1.4	1.5	2.4	-1.0	-1.0	0.4

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

\*\*\*\*\* PRECIPITACIONES (MM) \*\*\*\*\*  
 ZCNA 3 HOYA 116 (LOUI LEMARI) \*\*\*\*\*  
 EST 15 Fdo SAN ISIDRO SUP 2231 (KM2) \*\*\*\*\*  
 LAT 3034 LON 7127 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1947	0.0	0.0	0.0	0.0	0.0	20.5	72.0	1.6	0.0	7.0	0.0	0.0	101.1
1948	0.0	0.0	0.0	18.0	21.3	16.0	66.8	0.0	0.0	0.0	0.0	0.0	116.1
1949	0.0	0.0	0.0	0.0	13.6	22.7	58.4	33.4	0.0	0.0	0.0	0.0	128.3
1950	0.0	0.0	0.0	28.2	129.9	0.0	1.1	0.0	14.4	1.2	0.0	0.0	175.0
1951	0.0	0.0	0.0	2.2	17.5	16.6	10.8	0.0	0.0	0.0	0.0	0.0	128.3
1952	0.0	0.0	0.0	0.0	70.9	86.0	47.8	0.0	0.0	0.0	0.0	0.0	175.0
1953	0.0	0.0	0.0	34.0	5.0	0.0	9.0	109.9	10.5	0.0	0.0	0.0	206.2
MJN	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	168.4
MAX	0.0	0.0	0.0	34.0	129.9	86.0	72.0	109.9	0.0	0.0	0.0	0.0	47.1
PROM	0.0	0.0	0.0	11.8	36.9	23.1	37.1	20.7	14.6	7.0	0.0	0.0	206.2
DESV	0.0	0.0	0.0	14.8	47.1	29.2	37.1	20.7	3.8	1.2	0.0	0.0	134.6
CV	-1.0	-1.0	-1.0	1.3	1.3	1.3	0.8	2.0	1.6	2.2	-1.0	-1.0	53.3
													0.4

\*\*\*\*\*  
 NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 116 ELQUI LIMARE SUP 2231 (KM2)  
 EST 16 COQUIMBO PIA TORTUGA  
 FUENTE : OMC LAT 2955 LON 7122 ALT 25 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1886	0.0	0.0	0.0	0.0	28.2	47.8	0.0	1.3	0.0	0.0	-1.0	-1.0	-1.0
1899	0.0	0.0	0.0	0.0	0.0	29.6	24.6	116.4	0.0	0.0	0.0	0.0	170.6
1900	0.0	0.5	0.0	4.2	30.8	2.5	48.6	63.8	0.0	0.0	0.0	0.0	150.4
1901	0.0	0.0	0.0	0.0	0.0	54.5	17.7	44.9	0.0	0.0	0.0	0.0	117.1
1902	0.0	0.0	0.0	0.0	15.8	66.4	99.2	1.1	0.0	0.0	0.0	0.0	182.5
1903	0.0	0.0	0.0	1.0	3.0	145.0	44.2	0.7	0.2	1.0	0.0	0.0	195.1
1904	0.0	0.0	6.0	0.0	35.1	2.3	133.9	7.8	1.3	0.6	0.0	0.8	187.8
1905	0.0	0.0	24.5	0.0	176.0	7.5	74.6	39.5	7.8	0.0	0.0	0.0	329.9
1906	0.0	0.0	0.0	0.0	125.9	27.6	8.6	5.6	0.0	0.0	1.0	1.0	169.7
1907	0.0	0.0	0.0	1.0	13.7	46.8	47.0	2.2	6.4	0.0	0.0	0.0	117.1
1908	0.0	0.0	0.0	0.2	17.0	37.0	0.3	20.0	0.0	0.0	0.0	0.0	74.5
1909	0.0	0.0	0.0	0.0	6.6	45.0	1.0	5.0	1.6	0.0	0.0	0.0	59.2
1910	0.0	0.0	0.0	0.0	0.0	2.8	14.5	0.9	2.5	0.0	0.0	0.0	20.7
1911	0.0	0.0	0.0	0.0	23.5	19.2	1.5	0.0	0.5	0.6	0.0	0.0	45.3
1912	0.0	0.0	1.7	0.6	43.0	0.0	0.0	13.6	1.2	0.0	0.0	0.6	60.7
1913	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	(2.2)
1914	0.0	0.0	0.0	0.0	0.0	126.4	46.2	0.0	24.7	2.1	22.5	0.0	221.9
1915	0.0	0.0	0.0	0.6	50.7	43.1	0.7	3.3	3.2	1.7	0.1	0.3	103.7
1916	0.0	0.0	0.3	1.0	1.9	0.2	10.8	0.4	20.6	0.7	0.3	0.0	36.2
1917	0.0	0.1	0.7	3.6	1.7	44.3	12.3	0.8	15.0	0.0	0.0	0.3	78.8
1918	0.0	0.1	0.0	1.2	1.7	18.7	13.5	3.9	7.2	0.7	0.3	0.2	47.5
1919	0.5	0.1	0.1	3.5	143.0	37.8	60.0	8.6	0.4	2.6	0.4	0.0	257.0
1920	0.1	1.0	0.9	0.6	3.7	4.4	2.4	2.3	0.4	0.4	0.0	0.9	17.1
1921	0.0	0.0	0.0	2.5	54.4	24.5	2.5	14.4	0.7	4.4	0.6	0.0	104.0
1922	0.0	0.1	0.0	0.0	0.8	48.0	19.1	60.4	2.9	0.0	0.6	0.0	131.9
1923	0.0	0.0	0.2	0.0	0.0	37.8	37.9	33.5	0.0	0.2	0.0	0.0	109.6
1924	0.0	0.0	0.0	0.5	0.0	0.7	0.0	15.9	1.3	0.0	0.0	0.0	18.4
1925	0.0	0.0	0.0	1.1	1.1	0.0	11.1	3.1	3.8	21.2	0.0	0.0	41.4
1926	0.0	0.6	0.0	0.0	16.0	83.3	56.9	34.1	1.0	0.0	0.0	0.0	191.9
1927	0.0	0.0	0.0	0.0	9.3	106.9	14.5	0.4	3.0	0.5	0.2	0.1	134.9
1928	0.0	0.0	0.0	4.8	15.4	57.9	47.8	3.5	1.0	0.0	0.7	0.2	131.3
1929	0.0	0.0	0.8	2.1	1.3	97.5	10.2	10.5	1.2	1.3	0.3	0.0	125.2
1930	0.1	0.0	0.0	0.8	1.2	27.4	36.8	118.7	4.8	0.0	0.0	0.0	189.8
1931	0.0	0.0	0.0	28.6	0.0	10.2	19.1	19.3	19.8	1.4	5.5	0.0	103.9
1932	0.0	0.0	0.0	3.2	21.5	65.2	4.4	19.8	0.0	0.6	0.5	1.5	116.7
1933	0.0	0.0	0.0	0.0	14.0	14.0	6.4	0.0	0.0	0.0	0.0	0.0	34.4
1934	0.0	0.0	0.0	0.0	66.8	42.7	1.8	8.0	3.6	2.4	0.0	0.0	125.3
1935	0.0	0.0	0.0	0.0	0.9	40.9	30.7	4.9	0.0	2.6	0.0	0.0	80.0
1936	0.0	0.0	0.0	0.0	13.5	10.8	47.3	14.0	0.8	3.2	0.0	0.0	89.6
1937	0.6	0.0	0.0	0.0	0.0	28.5	17.6	29.0	2.0	0.0	0.0	0.0	77.7
1938	0.0	0.0	0.0	0.0	61.2	13.5	7.5	0.0	0.0	0.8	0.0	0.0	83.0
1939	0.0	0.0	0.0	1.1	1.1	34.2	8.8	0.0	2.2	38.1	0.0	19.9	105.4
1940	0.0	0.0	0.0	0.0	9.1	53.5	68.7	25.0	0.6	0.0	0.0	0.0	156.9
1941	0.0	0.0	0.0	2.5	71.7	13.2	38.1	46.4	0.0	2.2	0.0	0.0	174.1
1942	0.0	0.0	0.0	0.0	9.8	25.9	26.6	31.2	4.3	12.7	1.8	0.0	112.3
1943	0.0	0.0	0.0	0.0	9.8	39.2	10.0	33.6	1.3	0.0	0.0	0.0	93.9
1944	0.0	1.0	0.0	19.9	19.3	71.6	2.1	67.5	2.6	0.3	0.0	0.0	184.3
1945	0.0	42.2	0.0	0.0	0.0	0.0	0.0	16.0	8.8	0.0	0.3	0.1	67.4
1946	0.0	0.0	0.0	0.0	27.0	40.0	0.0	8.0	0.0	0.0	0.0	0.0	75.0
1947	0.0	0.0	0.0	0.0	0.0	4.0	22.3	0.0	0.0	0.0	0.0	0.0	26.3

ANO	JAN	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1948	0.0	0.0	0.0	0.8	10.5	11.8	29.1	0.0	0.0	0.0	0.0	0.0	52.2
1949	0.0	0.0	0.0	0.0	0.4	20.5	73.5	27.5	0.4	0.0	0.3	0.0	122.3
1950	0.0	0.0	0.0	6.0	55.9	0.0	0.3	0.0	12.4	1.0	4.3	0.0	79.9
1951	0.0	0.0	0.0	0.7	22.6	11.7	5.8	0.0	4.0	0.0	0.0	0.3	45.1
1952	0.0	0.0	2.0	0.0	37.2	84.5	32.2	0.7	2.0	2.0	0.0	0.3	161.5
1953	0.1	0.0	0.0	4.1	3.7	9.0	0.3	22.7	13.1	0.8	0.0	0.0	53.8
1954	0.0	0.0	0.7	2.3	29.1	23.1	12.4	13.4	0.4	0.2	0.2	0.0	81.8
1955	0.0	0.0	0.0	3.5	4.0	0.0	2.3	19.2	0.0	7.8	0.0	0.0	37.2
1956	0.0	0.0	23.9	0.0	6.0	0.0	27.3	11.8	26.3	0.2	1.7	0.0	97.2
1957	0.0	0.0	0.0	0.0	222.8	7.8	39.6	0.0	16.0	2.1	0.0	15.2	304.5
1958	0.0	0.0	2.0	0.0	10.0	44.0	54.6	48.3	12.8	6.4	0.0	0.0	178.1
1959	0.0	0.0	0.0	18.6	0.0	26.0	6.0	17.0	0.0	0.0	0.0	0.0	67.6
1960	0.0	0.0	0.0	0.0	0.0	2.0	4.4	0.0	0.0	0.0	0.0	0.0	6.4
1961	0.0	0.0	0.0	0.0	0.0	53.3	7.1	64.0	0.0	0.0	0.0	0.0	124.4
1962	0.0	0.0	0.0	0.0	0.0	0.0	22.6	1.0	0.0	26.2	0.0	0.0	49.8
1963	0.0	0.0	0.0	0.0	11.0	25.1	40.9	36.0	71.7	0.0	0.0	0.0	184.7
1964	1.0	0.0	0.0	0.0	0.0	8.0	6.0	4.0	0.6	0.2	0.0	0.0	19.8
1965	0.0	0.0	0.0	0.9	19.0	3.0	76.2	78.9	0.0	0.4	0.0	0.0	178.4
1966	0.0	0.1	0.0	0.0	0.0	552.0	17.0	3.6	0.0	0.0	-1.0	0.0	-1.0
1967	-1.0	0.0	0.0	0.0	0.0	24.0	10.0	7.6	38.0	0.6	0.0	0.0	-1.0
1968	0.0	0.0	0.0	0.0	1.6	-1.0	0.0	0.0	2.2	0.0	0.0	0.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
MAX	1.0	42.2	24.5	28.6	222.8	552.0	133.9	118.7	71.7	38.1	22.5	19.9	329.9
PROM	0.0	0.6	0.9	1.7	22.3	39.0	23.3	18.5	5.1	2.1	0.6	0.6	110.1
DESV	0.2	5.0	4.1	4.7	40.7	69.4	26.8	25.7	10.9	6.1	2.8	3.0	69.2
CV	4.4	7.8	4.5	2.7	1.8	1.8	1.2	1.4	2.1	2.9	4.7	4.9	0.6

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

```

*****
PRECIPITACIONES (MM) *****
*****
ZONA 3 HOYA 116 ELQUI LIMARI SUP 2231 (KM2)
EST 17 STA MARGARITA
LAT 2955 LON 7122
*****
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
1946 -1.0 -1.0 -1.0 -1.0 -1.0 35.0 3.0 6.0 0.0 0.0 0.0 0.0 -1.0
1947 0.0 0.0 0.0 0.0 0.0 0.0 4.0 24.0 0.0 0.0 0.0 0.0 -1.0
1948 0.0 0.0 0.0 0.0 3.0 5.0 11.0 29.0 -1.0 0.0 0.0 0.0 -1.0
*****

```

25.

\*\*\*\*\*  
 ZONA 3  
 HOYA 116 ELQUI LIMARI  
 EST 18 CERRILLOS PCBRE SUP 2231 (KM2)  
 LAT 3018 LON 7123 ALT 150 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1961	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5	0.0	-1.0	0.0	0.0	-1.0
1962	0.0	0.0	0.0	0.0	0.0	121.0	0.0	7.5	0.0	7.5	0.0	0.0	136.0
1963	0.0	0.0	0.0	0.0	20.0	45.8	65.0	36.0	126.0	0.0	6.0	0.0	298.8
1964	12.0	0.0	0.0	0.0	0.0	14.0	7.0	22.0	0.0	0.0	0.0	0.0	55.0
1965	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
HIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	55.0
MAX	12.0	0.0	0.0	0.0	20.0	121.0	65.0	36.0	126.0	7.5	6.0	0.0	298.8
PROM	2.4	0.0	0.0	0.0	5.0	45.2	18.0	23.3	31.5	7.5	1.5	0.0	163.3
DESV	5.4	0.0	0.0	0.0	10.0	54.0	31.5	12.0	63.0	4.3	3.0	0.0	124.2
CV	2.2	-1.0	-1.0	-1.0	2.0	1.2	1.8	0.5	2.0	1.7	2.0	-1.0	0.8

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM) \*\*\*\*\*  
 SUP 1739 (KM2)

\*\*\*\*\*  
 ZONA 3 HOYA 117 LIMARI CHOAPA  
 EST 1 SAN PEDRO DE GUILLES  
 LAT 3056 LON 7124 ALT 1000 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1924	0.0	0.0	0.0	0.0	8.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0	25.0
1925	0.0	0.0	0.0	3.0	5.0	0.0	36.2	2.0	2.0	37.5	0.0	0.0	85.7
1926	0.0	0.0	0.0	0.0	21.0	191.0	133.3	47.0	9.2	0.0	0.0	0.0	401.5
1927	0.0	0.0	0.0	0.0	10.0	124.8	42.0	2.1	7.0	0.0	0.0	0.0	185.9
1928	0.0	0.0	0.0	20.0	48.8	124.5	43.0	4.0	0.0	0.0	0.0	0.0	240.3
1929	6.0	0.0	0.0	0.0	4.0	101.3	0.0	24.0	11.5	0.0	0.0	0.0	146.8
1930	0.0	0.0	0.0	24.0	20.0	59.4	92.5	145.5	0.0	0.0	0.0	0.0	341.4
1931	0.0	0.0	0.0	5.0	0.0	46.5	56.0	25.0	49.0	0.0	5.5	10.5	187.0
1932	0.0	0.0	0.0	0.0	59.0	90.0	12.5	109.0	0.0	0.0	0.0	0.0	281.0
1933	0.0	0.0	0.0	0.0	15.0	28.0	30.0	2.5	0.0	0.0	0.0	0.0	75.5
1934	0.0	0.0	0.0	0.0	177.0	45.5	0.0	21.0	6.5	29.5	0.0	0.0	250.0
1935	0.0	0.0	0.0	0.0	7.0	26.0	43.0	10.5	0.0	0.0	0.0	0.0	116.0
1936	0.0	0.0	0.0	0.0	29.0	8.0	112.0	38.5	0.0	9.5	0.0	0.0	187.5
1937	0.0	0.0	0.0	0.0	0.0	37.0	43.0	56.5	0.0	0.0	0.0	0.0	146.0
1938	0.0	0.0	0.0	0.0	125.0	23.0	24.0	0.0	0.0	10.0	0.0	26.0	182.0
1939	0.0	0.0	0.0	0.0	17.0	93.0	8.0	2.0	4.0	24.0	0.0	0.0	174.0
1940	0.0	0.0	0.0	0.0	23.0	105.0	73.5	51.3	5.0	0.0	0.0	0.0	257.8
1941	0.0	0.0	0.0	17.0	91.0	25.0	91.0	142.0	0.0	26.0	42.0	0.0	366.0
1942	0.0	0.0	0.0	0.0	26.0	39.5	42.0	97.5	7.0	26.0	0.0	0.0	280.0
1943	0.0	0.0	1.5	0.0	29.0	51.0	10.0	58.0	0.0	0.0	0.0	0.0	149.5
1944	0.0	0.0	0.0	30.0	23.0	98.0	30.0	68.5	0.0	18.0	0.0	0.0	267.5
1945	0.0	81.0	0.0	0.0	0.0	0.0	0.0	29.0	8.5	0.0	0.0	0.0	118.5
1947	0.0	0.0	0.0	0.0	0.0	47.5	55.8	11.2	0.0	17.5	0.0	0.0	132.0
1948	0.0	0.0	0.0	9.5	19.3	21.0	68.9	4.8	1.0	0.0	0.0	0.0	124.5
1949	0.0	0.0	0.0	0.0	19.5	25.0	64.5	33.5	0.0	0.0	0.0	0.0	142.5
1950	0.0	0.0	0.0	45.5	180.6	0.0	0.0	19.0	16.5	15.2	0.0	0.0	276.8
1951	0.0	0.0	0.0	5.5	23.3	90.9	22.5	0.0	12.0	0.0	0.0	0.0	154.2
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	25.0
MAX	6.0	81.0	1.5	45.5	180.6	191.0	133.3	145.5	49.0	37.5	42.0	1.4	401.5
PROM	0.2	3.0	0.1	5.9	36.3	55.6	42.6	37.2	5.2	6.9	8.1	5.3	196.1
DESV	1.2	15.6	0.3	11.5	49.8	47.8	35.4	42.6	10.0	11.2	8.1	3.9	91.4
CV	5.2	5.2	5.2	1.9	1.4	0.9	0.8	1.1	1.9	1.6	4.6	3.9	0.5

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)  
 ZONA 3 HOYA 117 LIMARI CHOAPA SUP 1739 (KM2)  
 EST 2 PUERTO OSCURO  
 LAT 3127 LON 7136 ALT 10 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1911	0.0	0.0	0.0	0.0	7.0	43.5	10.5	6.0	0.0	0.0	0.0	0.0	67.0
1912	0.0	0.0	0.0	0.0	75.7	23.4	0.0	16.8	3.0	0.0	0.0	0.0	118.9
1913	0.0	0.0	0.0	2.0	11.7	0.0	25.7	17.1	12.5	0.0	0.0	0.0	69.0
1914	0.0	0.0	0.0	0.0	17.8	174.7	95.9	49.2	109.9	12.1	25.0	0.0	484.6
1915	0.0	0.0	0.0	0.0	91.6	88.1	0.0	0.0	0.0	0.0	0.0	0.0	179.7
1916	0.0	0.0	0.0	0.0	4.0	1.7	17.5	1.0	21.9	0.0	0.0	0.0	56.1
1917	0.0	0.0	0.0	17.3	8.7	82.4	4.8	0.0	58.3	0.0	10.0	0.0	171.5
1918	0.0	0.0	0.0	3.1	0.0	46.5	30.6	25.9	25.2	0.0	0.0	0.0	132.6
1919	0.0	0.0	0.0	9.4	140.2	121.9	118.0	5.1	0.0	0.0	1.3	0.0	407.6
1920	0.0	0.0	0.0	0.0	59.8	26.7	14.0	9.7	0.0	0.0	13.0	0.0	411.0
1921	0.0	0.0	0.0	0.0	264.0	66.9	0.0	12.7	0.0	0.0	0.0	0.0	343.6
1922	0.0	0.0	11.5	0.0	0.0	167.1	49.9	70.6	23.7	8.7	0.0	0.0	331.5
1923	0.0	0.0	0.0	0.0	0.0	28.0	97.2	47.8	0.0	7.6	0.0	0.0	180.6
1924	0.0	0.0	0.0	0.0	0.0	3.3	5.1	32.1	10.4	0.0	0.0	0.0	50.9
1925	0.0	5.0	0.0	1.0	10.0	0.0	37.0	6.0	14.0	0.0	0.0	0.0	85.0
1926	0.0	0.0	0.0	0.0	27.8	266.2	206.2	14.6	14.0	12.0	0.0	0.0	518.5
1927	0.0	0.0	0.0	0.0	11.5	153.2	56.2	20.4	3.9	6.4	0.0	0.0	254.6
1928	0.0	0.0	0.0	37.9	37.5	85.3	72.0	7.9	19.3	0.0	0.0	0.0	239.5
1929	0.0	0.0	0.0	0.0	9.9	34.4	42.0	85.8	13.0	0.0	0.0	0.0	215.1
1930	0.0	0.0	0.0	8.3	8.3	75.5	106.5	165.6	49.4	0.0	0.0	0.0	427.7
1931	0.0	0.0	0.0	12.0	5.0	53.9	59.9	51.8	65.4	0.0	4.8	0.0	254.0
1932	0.0	0.0	0.0	0.0	44.5	103.1	30.5	68.1	4.8	3.4	3.0	9.5	269.9
1933	9.0	0.0	0.0	0.0	8.0	30.0	19.0	11.0	0.0	0.0	0.0	0.0	77.0
1934	0.0	0.0	0.0	0.0	99.0	102.0	0.0	27.0	9.0	0.0	0.0	0.0	246.0
1935	0.0	0.0	0.0	0.0	17.0	31.0	53.0	19.0	4.0	41.0	0.0	0.0	165.0
1936	0.0	0.0	0.0	11.0	50.0	25.0	61.0	45.0	3.0	0.0	0.0	0.0	195.0
1937	0.0	0.0	0.0	0.0	0.0	24.0	32.0	34.0	18.0	0.0	0.0	0.0	108.0
1938	0.0	0.0	0.0	0.0	95.0	30.0	23.0	0.0	0.0	0.0	0.0	0.0	148.0
1939	0.0	0.0	0.0	0.0	18.0	69.0	3.0	4.0	10.0	24.0	0.0	0.0	145.0
1940	0.0	0.0	0.0	0.0	0.0	83.0	79.0	32.0	0.0	0.0	17.0	0.0	205.0
1941	0.0	0.0	0.0	4.0	52.0	18.0	163.0	116.0	0.0	0.0	0.0	0.0	414.0
1942	0.0	0.0	0.0	0.0	0.0	19.0	49.0	131.0	7.0	0.0	0.0	0.0	288.0
1943	0.0	0.0	0.0	7.0	0.0	36.0	15.0	54.0	2.0	17.0	10.0	0.0	149.0
1944	0.0	0.0	0.0	0.0	30.0	31.0	24.0	115.0	0.0	35.0	0.0	0.0	369.0
1945	0.0	56.0	0.0	0.0	0.0	0.0	0.0	52.0	28.0	0.0	0.0	0.0	136.0
1946	0.0	0.0	0.0	9.7	58.0	52.0	16.5	38.2	0.0	0.0	0.0	0.0	174.4
1947	0.0	0.0	0.0	0.0	0.0	41.5	63.4	14.3	0.0	21.0	0.0	0.0	140.9
1948	0.0	0.0	0.0	18.0	63.0	16.3	69.8	12.0	0.0	0.0	0.0	0.0	179.3
1949	0.0	0.0	0.0	0.0	42.5	29.6	34.6	51.6	0.0	0.0	0.0	0.0	140.3
1950	0.0	0.0	0.0	53.4	107.9	0.0	0.0	1.0	14.7	0.0	20.0	0.0	202.0
1951	0.0	0.0	0.0	11.5	33.0	42.0	43.0	4.0	22.6	5.0	0.0	0.0	156.1
1952	0.0	0.0	0.0	0.0	63.5	104.9	39.5	45.0	22.0	0.0	0.0	0.0	216.9
1953	0.0	0.0	0.0	15.0	31.0	39.5	19.7	19.0	19.0	0.0	0.0	0.0	199.9
1954	0.0	0.0	0.0	52.5	18.5	69.0	3.6	26.0	0.0	0.0	0.0	0.0	178.7
1955	0.0	0.0	0.0	4.5	43.3	13.0	3.6	26.0	0.0	13.0	0.0	0.0	117.4
1956	0.0	0.0	47.0	0.0	180.3	5.2	53.2	23.6	31.0	0.0	0.0	0.0	165.0
1957	0.0	0.0	0.0	0.0	57.3	67.0	21.5	12.0	13.0	0.0	0.0	36.0	308.3
1958	0.0	0.0	0.0	0.0	0.0	48.0	18.0	22.0	2.0	0.0	0.0	0.0	209.8
1959	0.0	0.0	0.0	0.0	0.0	25.4	16.8	23.6	0.0	0.0	0.0	0.0	106.0
1960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84.8



ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1961	0.0	0.0	0.0	0.0	4.6	118.9	6.3	48.8	2.0	3.5	0.0	0.0	184.1
1962	0.0	0.0	0.0	0.0	0.0	37.4	0.0	1.8	3.6	5.2	0.0	0.0	48.0
1963	4.3	0.0	2.8	0.0	23.0	16.2	44.5	64.4	129.5	0.0	0.0	0.0	284.7
1964	0.0	0.0	0.0	0.0	0.0	39.0	17.0	56.0	2.0	8.0	0.0	0.0	122.0
1965	0.0	0.0	0.0	4.0	25.0	3.0	203.0	114.0	0.0	0.0	0.0	3.5	349.0
1966	0.0	0.0	0.0	24.0	0.0	140.0	62.0	13.0	0.0	0.0	0.0	0.0	246.4
1967	0.2	0.0	0.0	0.0	9.0	46.0	26.0	6.8	35.0	1.4	0.3	0.0	118.7
1968	0.0	0.0	0.0	0.2	0.0	40.0	0.0	8.0	10.0	0.0	0.0	0.0	58.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.0
MAX	9.0	56.0	47.0	53.4	264.0	266.2	206.2	165.6	129.5	49.4	25.0	36.0	518.5
PRGM	0.2	1.1	1.3	7.1	35.4	56.0	42.5	35.4	13.3	4.9	1.7	1.1	200.1
DESV	1.3	7.4	6.4	13.6	48.5	52.7	45.7	36.7	24.5	10.4	4.8	5.3	110.9
CV	5.6	7.0	4.9	1.9	1.4	0.9	1.1	1.0	1.8	2.1	2.8	4.6	0.6

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

\*\*\*\*\*  
 ZONA 3 HOYA 118 CHOAPA PETORCA SUP 1934 (KM2)  
 EST 1 CAIMANES  
 LAT 3155 LON 7109 ALT 450 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	0.0	0.0	0.0	0.0	0.0	113.0	7.0	10.0	4.0	31.0	0.0	0.0	165.0
1963	4.0	0.0	0.0	0.0	0.0	37.0	50.0	113.0	97.0	148.0	1.0	0.0	450.0
1964	0.0	0.0	0.0	0.0	0.0	63.0	24.0	67.0	0.0	0.0	-1.0	0.0	-1.0
1965	0.0	0.0	0.0	11.0	49.0	9.0	276.0	243.0	0.0	0.3	0.0	0.0	588.4
1966	0.0	0.0	0.0	30.0	0.0	166.0	109.0	31.0	0.0	0.0	8.5	0.0	348.0
1967	0.0	0.0	0.0	0.0	6.7	30.0	67.0	12.0	45.0	7.2	0.0	0.0	175.9
MIN	0.0	0.0	0.0	1.0	18.0	37.0	68.0	7.7	35.0	0.0	0.0	0.0	166.7
MAX	4.0	0.0	0.0	0.0	0.0	9.0	7.0	7.7	0.0	0.0	0.0	0.0	165.0
PROM	0.6	0.0	0.1	30.0	49.0	166.0	276.0	243.0	148.0	31.0	8.5	3.5	588.4
DESV	1.5	0.0	0.4	11.3	20.0	54.6	89.0	66.8	33.1	5.6	1.4	0.5	315.7
CV	2.6	-1.0	2.6	1.9	1.3	0.8	0.9	1.3	1.6	2.0	2.4	2.6	0.6

30.

\*\*\*\*\*  
 NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 118 CHOAPA PETORCA SUP 1934 (KM2)  
 EST 2 LOS VILCS D O S

LAT 3155 LON 7132 ALT 10 (MTS)

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1944	-1.0	-1.0	-1.0	14.2	23.3	135.3	21.0	163.7	2.3	37.3	-1.0	-1.0	-1.0
1945	0.0	57.0	0.0	1.5	0.0	0.0	3.5	78.5	22.3	1.0	0.0	0.0	183.8
1946	0.0	0.0	0.0	18.3	39.9	56.3	20.4	37.2	1.9	0.0	0.0	0.0	174.0
1947	0.0	0.0	0.0	0.0	6.7	65.2	59.3	39.8	1.7	24.8	2.2	0.0	199.7
1948	0.0	0.0	0.0	34.1	64.2	36.4	95.0	8.2	0.0	0.0	0.0	0.0	237.9
1949	0.0	0.0	0.0	0.0	107.2	62.5	42.6	22.9	0.0	0.0	0.0	0.0	235.2
1950	0.0	0.0	0.0	65.7	144.0	0.0	0.0	14.0	0.0	6.0	0.0	0.0	229.7
1951	0.0	0.0	0.0	-1.0	51.5	74.3	61.0	16.0	-1.0	0.0	0.0	0.0	-1.0
1952	0.0	0.3	0.0	0.0	68.7	114.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1954	0.0	0.0	0.0	72.0	21.0	102.0	18.0	36.0	1.0	0.0	0.0	0.0	250.0
1955	0.0	0.0	0.0	17.0	56.0	15.0	10.0	31.0	1.0	12.0	0.0	0.0	142.0
1956	0.0	0.0	38.0	10.0	3.0	5.0	66.0	56.0	39.0	0.0	0.0	0.0	217.0
1957	0.0	0.0	0.0	0.0	267.0	9.0	87.0	16.0	23.0	1.0	0.0	38.0	441.0
1958	0.0	0.0	0.0	0.0	56.0	104.0	24.0	36.0	6.0	0.0	0.0	0.0	226.0
1959	0.0	0.0	0.0	13.0	16.0	67.0	33.0	30.0	8.0	0.0	0.0	0.0	167.0
1960	0.0	0.0	0.0	0.0	15.0	44.0	21.9	33.0	0.0	0.0	0.0	0.0	113.0
1961	0.0	0.0	0.0	0.0	11.0	92.0	18.0	83.0	6.0	1.0	0.0	0.0	211.0
1962	0.0	0.0	0.0	0.0	1.0	91.0	6.0	2.0	1.0	16.0	0.0	0.0	117.0
1963	1.0	0.0	0.0	0.0	0.0	21.0	79.4	98.1	113.4	0.0	3.8	0.0	377.2
1964	0.0	0.0	0.0	1.3	0.0	25.9	18.8	48.6	0.0	1.4	0.0	0.0	96.0
1965	0.0	0.0	0.0	4.9	28.2	4.7	260.2	174.6	0.0	0.0	0.0	0.0	472.6
1966	0.0	0.0	0.0	56.9	0.0	143.0	57.0	11.0	0.0	0.5	4.0	-1.0	-1.0
1967	0.0	0.0	0.0	1.0	18.0	37.0	68.0	7.7	35.0	0.0	0.0	0.0	166.7
1968	0.0	0.0	0.0	1.0	0.0	26.0	0.0	16.0	10.0	0.0	0.0	0.0	53.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	53.0
MAX	1.0	57.0	38.0	72.0	267.0	143.0	260.2	174.6	113.4	37.3	4.0	38.0	472.6
PROM	0.0	2.5	1.7	13.5	41.6	55.5	46.5	46.1	12.3	4.4	0.5	1.8	215.5
DESV	0.2	11.9	7.9	22.2	60.5	43.8	54.9	46.2	25.4	9.5	1.2	8.3	107.5
CV	4.8	4.8	4.8	1.6	1.5	0.8	1.2	1.0	2.1	2.2	2.7	4.6	0.5

31.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 118 CHOAPA PETORCA SUP 1934 (KM2)

EST 3 HDA MONTE ARANDA CAI  
 LAT 3156 LON 7110 ALT 520 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1955	-1.0	-1.0	-1.0	-1.0	86.0	32.0	0.0	42.0	6.0	26.0	0.0	0.0	-1.0
1956	1.0	0.0	48.0	4.0	5.0	5.0	99.0	41.0	42.0	0.0	0.0	0.0	245.0
1957	0.0	0.0	0.0	0.0	314.0	5.0	87.0	30.0	20.0	0.0	0.0	32.0	488.0
1958	0.0	0.0	0.0	0.0	147.0	56.0	37.0	48.5	8.5	0.0	0.0	0.0	297.0
1959	0.0	0.0	0.0	18.0	31.0	115.0	40.0	65.0	0.0	0.0	0.0	0.0	269.0
1960	0.0	0.0	0.0	0.0	15.0	104.0	30.0	37.0	0.0	0.0	0.0	0.0	186.0
1961	0.0	0.0	0.0	0.0	8.0	220.0	15.0	95.0	4.0	15.0	0.0	0.0	357.0
1962	0.0	0.0	0.0	0.0	0.0	115.0	6.0	8.0	4.0	25.0	0.0	0.0	158.0
1963	0.0	0.0	0.0	0.0	47.0	50.0	78.0	96.0	149.0	3.0	3.0	0.0	426.0
1964	0.0	0.0	0.0	0.0	0.0	58.0	0.0	59.0	0.0	0.0	0.0	0.0	117.0
MIN	0.0	0.0	0.0	0.0	0.0	5.0	0.0	8.0	0.0	0.0	0.0	0.0	117.0
MAX	1.0	0.0	48.0	18.0	314.0	220.0	99.0	96.0	149.0	26.0	3.0	32.0	488.0
PROM	0.1	0.0	5.3	2.4	65.3	76.0	39.2	52.1	23.3	6.9	0.3	3.2	282.6
DESV	0.3	0.0	16.0	6.0	99.1	65.0	36.8	27.7	46.0	10.8	0.9	10.1	123.7
CV	3.0	-1.0	3.0	2.4	1.5	0.9	0.9	0.5	2.0	1.6	3.2	3.2	0.4

32

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 118 CHOAPA PETORCA SUP 1934 (KM2)  
 EST 5 PALO COLORADO  
 LAT 3203 LON 7133 ALT 10 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	0.0	0.0	0.0	0.0	2.0	86.0	28.0	0.0	3.0	-1.0	0.0	0.0	-1.0
1963	0.0	0.0	0.0	0.0	60.0	22.0	97.0	136.0	123.0	0.0	0.0	0.0	438.0
1964	0.0	0.0	0.0	3.0	0.0	20.0	27.0	77.0	0.0	0.0	0.0	0.0	127.0
1965	0.0	-1.0	-1.0	3.0	45.0	4.0	230.0	175.0	0.0	0.0	0.0	0.0	-1.0
1967	0.0	0.0	0.0	0.0	22.0	56.0	57.0	12.0	37.0	-1.0	0.0	-1.0	-1.0
1968	-1.0	-1.0	-1.0	-1.0	0.0	20.0	0.0	13.0	10.0	0.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	127.0
MAX	0.0	0.0	0.0	3.0	60.0	86.0	230.0	175.0	123.0	0.0	0.0	0.0	438.0
PROM	0.0	0.0	0.0	1.2	21.5	34.7	73.2	68.8	28.8	0.0	0.0	0.0	282.5
DESV	0.0	0.0	0.0	1.6	25.8	30.4	83.6	73.4	48.2	0.0	0.0	0.0	219.9
CV	-1.0	-1.0	-1.0	1.4	1.2	0.9	1.1	1.1	1.7	-1.0	-1.0	-1.0	0.8

\*\*\*\*\*

33.

NGTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 3

HOYA 118 CHOAPA PETORCA

SUP 1934 (KM2)

EST 6 TILAMA

LAT 3205 LON 7112 ALT 491 (MTS)

\*\*\*\*\*

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

\*\*\*\*\*

1929	0.0	0.0	0.0	0.0	39.5	119.0	33.4	112.5	22.4	4.2	0.0	4.3	335.9
------	-----	-----	-----	-----	------	-------	------	-------	------	-----	-----	-----	-------

1930	0.0	0.0	0.0	7.2	17.3	81.5	146.1	211.5	11.3	44.1	3.0	0.0	522.0
------	-----	-----	-----	-----	------	------	-------	-------	------	------	-----	-----	-------

1931	13.7	0.0	0.0	60.2	17.7	76.5	99.2	73.1	60.2	0.0	13.5	0.0	374.1
------	------	-----	-----	------	------	------	------	------	------	-----	------	-----	-------

1932	0.0	0.1	0.0	8.4	72.7	80.9	40.9	117.2	2.0	0.0	0.0	15.3	337.5
------	-----	-----	-----	-----	------	------	------	-------	-----	-----	-----	------	-------

1933	21.4	4.2	0.0	0.0	36.0	75.4	31.0	15.8	0.0	4.5	0.0	0.0	188.3
------	------	-----	-----	-----	------	------	------	------	-----	-----	-----	-----	-------

1934	0.0	0.0	0.0	0.0	138.3	142.0	5.7	6.6	23.1	8.8	0.0	0.0	324.5
------	-----	-----	-----	-----	-------	-------	-----	-----	------	-----	-----	-----	-------

1935	0.0	0.0	0.0	0.0	29.8	41.1	72.9	51.3	48.4	23.2	0.0	0.0	266.7
------	-----	-----	-----	-----	------	------	------	------	------	------	-----	-----	-------

1936	0.0	0.0	0.0	17.4	91.8	30.1	86.6	86.0	7.1	2.0	0.0	4.3	325.3
------	-----	-----	-----	------	------	------	------	------	-----	-----	-----	-----	-------

1937	0.0	0.0	0.0	0.0	6.0	12.0	36.5	62.0	12.0	8.0	0.0	0.0	136.5
------	-----	-----	-----	-----	-----	------	------	------	------	-----	-----	-----	-------

\*\*\*\*\*

MIN	0.0	0.0	0.0	0.0	6.0	12.0	5.7	6.6	0.0	0.0	0.0	0.0	136.5
-----	-----	-----	-----	-----	-----	------	-----	-----	-----	-----	-----	-----	-------

MAX	21.4	4.2	0.0	60.2	138.3	142.0	146.1	211.5	60.2	44.1	13.5	15.3	522.0
-----	------	-----	-----	------	-------	-------	-------	-------	------	------	------	------	-------

PROM	3.9	0.5	0.0	10.4	49.9	73.2	61.4	81.8	20.7	10.5	1.8	2.7	312.3
------	-----	-----	-----	------	------	------	------	------	------	------	-----	-----	-------

DESV	8.0	1.4	0.0	19.6	43.0	41.2	43.6	61.7	20.8	14.4	4.5	5.1	110.5
------	-----	-----	-----	------	------	------	------	------	------	------	-----	-----	-------

CV	2.0	2.9	-1.0	1.9	0.9	0.6	0.7	0.8	1.0	1.4	2.4	1.9	0.4
----	-----	-----	------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

ZCNA 2

PRECIPITACIONES (MM)  
 FCYA 118 CDOAPA PETORCA  
 EST 7 LCS CCACCRES  
 LAT 2207 LEN 7124

SUP 1924 (KM2)  
 PROP OMC TIPC TP  
 ALT ICC (MTS)

ANC	ENE	FEB	MAR	APR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TCT
1947	0.0	0.0	0.0	0.0	5.0	77.0	61.0	47.0	0.0	22.0	0.0	0.0	212.0
1948	0.0	0.0	0.0	34.0	60.0	31.0	105.0	6.0	0.0	0.0	0.0	0.0	230.0
1949	0.0	0.0	0.0	0.0	121.0	5.0	4.0	32.0	0.0	0.0	0.0	0.0	257.0
1950	0.0	0.0	0.0	0.0	133.0	0.0	0.0	0.0	30.0	4.0	0.0	0.0	263.0
1951	0.0	0.0	0.0	22.0	25.0	18.0	88.0	149.0	55.0	0.0	30.0	0.0	427.0
1952	0.0	0.0	0.0	52.0	25.0	100.0	25.0	221.0	0.0	0.0	0.0	0.0	243.0
1953	0.0	0.0	0.0	68.0	25.0	100.0	25.0	221.0	0.0	0.0	0.0	0.0	243.0
1954	0.0	0.0	0.0	7.5	62.3	22.7	13.4	22.5	2.0	18.0	0.0	0.0	151.0
1955	0.0	0.0	54.0	12.0	23.7	5.4	70.0	11.0	34.0	0.0	0.0	0.0	217.0
1956	0.0	0.0	0.0	0.0	23.7	5.4	70.0	11.0	34.0	0.0	0.0	2.5	385.0
1957	0.0	0.0	0.0	0.0	6.2	10.5	22.5	37.7	5.8	0.0	0.0	0.0	243.0
1958	0.0	0.0	0.0	11.0	18.0	61.0	62.0	44.0	3.0	0.0	0.0	0.0	209.0
1959	0.0	0.0	0.0	0.0	18.0	61.0	62.0	44.0	3.0	0.0	0.0	0.0	209.0
1960	0.0	0.0	0.0	0.0	6.5	11.0	23.0	73.8	6.0	0.0	0.0	0.0	223.0
1961	0.0	0.0	0.0	0.0	6.5	11.0	23.0	73.8	6.0	0.0	0.0	0.0	223.0
1962	0.0	0.0	0.0	0.0	3.0	1.0	6.0	2.0	16.4	10.0	0.0	-1.0	-1.0
1963	0.0	0.0	0.0	0.0	37.0	22.0	86.0	103.1	123.7	2.0	0.0	0.0	373.0
1964	0.0	0.0	0.0	0.0	0.0	47.0	15.0	59.0	0.0	0.0	0.0	0.0	122.0
1965	0.0	0.0	0.0	0.0	0.0	10.0	15.0	21.0	0.0	0.0	0.0	0.0	430.0
1966	0.0	0.0	0.0	52.0	2.0	150.0	55.0	15.0	0.0	0.0	4.0	1.5	338.0
1967	0.0	0.0	0.0	0.0	9.0	37.0	42.0	15.0	42.0	2.0	0.0	-1.0	-1.0
1968	0.0	0.0	0.0	1.0	0.0	12.0	0.0	13.0	20.0	0.0	0.0	0.0	46.0
MIN	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	46.0
MAX	0.0	0.0	54.0	68.0	237.0	150.0	155.0	211.0	123.7	22.0	30.0	29.0	430.0
FREM	0.0	0.0	2.7	13.1	47.5	49.0	41.0	49.0	19.1	6.3	1.7	2.5	251.3
DESIV	0.0	0.0	12.1	21.4	60.3	43.0	41.0	52.0	29.8	6.3	6.7	7.6	105.2
CV	-1.0	-1.0	4.5	1.6	1.3	0.5	0.8	1.1	1.6	2.1	3.9	3.1	0.4

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCENDIENTES

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 118 CHOAPA PETORCA SUP 1934 (KM2)  
 EST 9 PICHIDANGUI  
 LAT 3207 LON 7133  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1947	0.0	0.0	0.0	0.0	12.0	95.0	84.5	35.0	0.0	22.0	0.0	0.0	248.5
1948	0.0	0.0	0.0	35.0	43.5	23.0	86.3	6.2	0.0	0.0	0.0	0.0	194.0
1949	0.0	0.0	0.0	0.0	88.6	65.9	54.3	23.5	0.0	0.0	0.0	0.0	232.3
1950	0.0	0.0	0.0	68.3	138.5	4.5	0.0	29.4	13.8	5.0	32.2	0.0	291.7
1951	0.0	0.0	0.0	20.0	64.0	73.9	94.4	0.0	23.0	0.0	0.0	0.0	276.5
1952	0.0	0.0	0.0	0.0	69.1	105.8	75.4	18.2	5.0	0.0	0.0	0.0	273.5
1953	0.0	0.0	0.0	18.4	114.6	34.8	84.1	146.8	47.6	0.0	0.0	0.0	446.3
1954	0.0	0.0	0.0	61.4	30.4	97.8	28.1	20.3	0.0	0.0	0.0	0.0	238.0
1955	0.0	0.0	0.0	9.8	63.1	12.7	12.0	24.5	0.0	12.7	0.0	0.0	134.8
1956	0.0	0.0	53.7	7.7	1.1	4.4	67.6	57.8	27.0	0.0	0.0	0.0	219.3
1957	0.0	0.0	0.0	0.0	238.2	10.5	97.1	18.8	24.0	0.0	0.0	26.8	415.4
1958	0.0	0.0	0.0	0.0	143.2	86.5	24.2	40.1	8.9	0.0	0.0	0.0	302.9
1959	0.0	0.0	0.0	13.5	17.0	61.8	46.1	33.7	5.1	0.0	0.0	0.0	171.2
1960	0.0	0.0	0.0	0.0	29.5	65.6	26.3	40.9	2.0	0.0	0.0	0.0	164.9
MIN	0.0	0.0	0.0	0.0	1.1	4.4	0.0	0.0	0.0	0.0	0.0	0.0	134.8
MAX	0.0	0.0	53.7	68.3	238.2	105.8	97.1	146.8	47.6	22.0	32.2	26.8	446.3
PROM	0.0	0.0	3.8	16.7	75.2	53.0	55.7	35.4	11.2	2.8	2.3	1.9	257.8
DESV	0.0	0.0	14.4	22.9	65.2	37.1	32.9	35.3	14.4	6.5	8.6	7.2	88.6
CV	-1.0	-1.0	3.7	1.4	0.9	0.7	0.6	1.0	1.3	2.3	3.7	3.7	0.3

36.

NCTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 118 CHOAPA PETORCA SUP 1934 (KM2)  
 EST 10 QUILIMARI RETEN  
 LAT 3208 LON 7130  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	-1.0	0.0	0.0	0.0	57.0	20.0	114.0	154.0	119.0	0.0	0.0	0.0	143.0
1964	0.0	0.0	0.0	3.0	0.0	27.0	34.0	79.0	0.0	0.0	0.0	0.0	-1.0
1965	-1.0	0.0	0.0	2.0	37.0	8.0	246.0	177.0	0.0	7.0	0.0	0.0	321.0
1966	0.0	0.0	0.0	75.0	2.0	104.0	122.0	12.0	0.0	0.0	0.0	0.0	39.0
1967	0.0	0.0	0.0	0.0	18.0	14.0	28.0	10.0	19.0	0.0	0.0	0.0	89.0
MIN	0.0	0.0	0.0	0.0	0.0	8.0	28.0	10.0	0.0	0.0	0.0	0.0	89.0
MAX	0.0	0.0	0.0	75.0	57.0	104.0	246.0	177.0	119.0	7.0	0.0	0.0	321.0
PROM	0.0	0.0	0.0	16.0	22.8	34.6	108.8	86.4	27.6	1.4	0.0	1.2	184.3
DESV	0.0	0.0	0.0	33.0	24.2	39.4	88.2	77.8	51.8	3.1	0.0	2.7	121.4
CV	-1.0	-1.0	-1.0	2.1	1.1	1.1	0.8	0.9	1.9	2.2	-1.0	2.2	0.7

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 118 CHOAPA PETORCA SUP 1934 (KM2)  
 EST 11 HUANQUEN HDA  
 LAT 3216 LON 7122 ALT 150 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1927	0.0	0.0	0.0	0.0	29.4	141.5	47.1	18.8	26.6	0.0	0.0	0.0	263.4
1928	0.0	0.0	0.0	58.5	52.4	151.9	39.5	3.0	19.6	0.0	1.6	0.0	326.5
1929	0.0	0.0	0.0	0.0	24.0	98.0	34.4	137.9	22.0	0.0	-1.0	-1.0	-1.0
1930	0.0	0.0	0.0	62.0	8.0	111.0	159.0	202.0	9.0	73.0	-8.0	0.0	632.0
1931	25.0	0.0	0.0	27.3	18.9	86.6	106.4	98.1	61.7	0.0	28.0	0.0	452.0
1932	-1.0	-1.0	0.0	-1.0	133.0	85.0	59.0	102.0	9.0	0.0	0.0	26.0	-1.0
1933	-1.0	-1.0	0.0	0.0	10.5	80.1	33.9	48.0	1.5	4.3	0.0	0.0	-1.0
1934	0.0	0.0	0.8	0.0	161.1	111.6	2.8	1.3	9.2	21.1	5.5	0.0	313.4
1935	0.0	0.0	0.0	0.0	19.0	88.0	36.0	20.0	-1.0	22.0	0.0	0.0	-1.0
1936	0.0	0.0	0.0	0.0	95.0	39.0	86.0	60.5	11.5	2.5	0.0	13.0	307.5
1937	0.0	0.0	0.0	0.0	10.5	22.0	57.0	87.0	7.0	18.0	0.0	0.0	201.5
1938	0.0	1.0	3.0	0.0	97.9	37.0	39.5	0.0	0.0	23.0	0.0	0.0	201.4
1939	0.0	0.0	0.0	0.0	18.0	126.0	12.0	31.0	13.0	22.0	1.0	33.5	256.5
1940	0.0	8.5	0.0	0.0	20.5	91.0	111.0	20.0	12.0	0.0	0.0	0.0	263.0
1941	0.0	0.0	2.0	73.0	58.8	74.3	203.6	183.6	0.0	1.7	9.9	0.0	606.9
1942	1.5	0.0	0.0	0.0	20.5	85.1	84.5	167.0	0.0	33.0	24.0	0.0	415.6
1943	0.0	0.0	12.0	0.0	44.0	22.0	13.0	113.0	4.0	0.0	0.0	0.0	208.0
1944	0.0	0.0	0.0	25.0	48.5	143.5	13.5	210.0	0.0	44.0	0.0	0.0	484.5
1945	0.0	68.0	0.0	7.5	0.0	0.0	13.0	87.0	42.0	0.0	0.0	0.0	217.5
1946	0.0	0.0	0.0	12.5	42.0	76.0	26.5	31.0	2.0	0.0	0.0	0.0	190.0
1947	0.0	0.0	0.0	0.0	16.0	85.0	77.0	42.0	0.0	35.0	0.0	0.0	255.0
1948	0.0	0.0	0.0	26.0	84.0	34.0	108.0	10.0	3.0	0.0	0.0	0.0	265.0
1949	0.0	0.0	0.0	0.0	129.0	44.0	52.0	21.0	0.0	0.0	0.0	0.0	246.0
1950	0.0	0.0	0.0	43.5	110.0	3.0	5.0	30.0	23.0	5.1	51.0	0.0	270.6
1951	0.0	0.0	0.0	20.0	66.0	74.0	101.0	10.0	19.0	0.0	0.0	0.0	290.0
1952	0.0	0.0	0.0	0.0	45.0	118.5	74.0	24.0	16.5	6.5	0.0	0.0	284.5
1953	4.0	0.0	0.0	19.5	75.0	47.5	43.5	146.0	47.0	0.0	0.0	0.0	382.5
1954	0.0	0.0	0.0	63.0	36.5	130.0	53.0	37.0	10.0	0.0	0.0	0.0	329.5
1955	0.0	-1.0	0.0	0.0	0.0	20.0	62.0	115.0	56.0	0.0	0.0	0.0	-1.0
1956	0.0	0.0	45.0	15.0	61.0	26.0	20.5	22.0	8.0	14.0	0.0	0.0	166.5
1957	0.0	0.0	0.0	14.0	10.0	9.0	72.5	91.0	32.5	0.0	0.0	0.0	274.0
1958	0.0	0.0	0.0	0.0	266.5	15.0	93.3	15.0	16.0	0.0	0.0	35.0	440.8
1959	0.0	0.0	0.0	0.0	119.0	89.0	18.0	43.0	-1.0	-1.0	0.0	0.0	-1.0
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
MIN	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	166.5
MAX	25.0	68.0	45.0	73.0	266.5	176.0	203.6	210.0	61.7	73.0	51.0	35.0	632.0
PROM	1.0	2.5	1.8	14.6	58.5	74.7	57.8	65.9	15.1	10.2	4.0	3.4	316.4
DESV	4.5	12.3	7.9	22.1	56.9	47.0	45.3	61.7	16.7	16.9	10.8	9.6	119.8
CV	4.7	4.9	4.3	1.5	1.0	0.6	0.8	0.9	1.1	1.7	2.7	2.8	0.4

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZCNA 3 HOYA 118 CHOAPA PETORCA SUP 1934 (KM2)  
 EST 12 GUANQUEN  
 LAT 3218 LON 7128 ALT 2000 (MTS)  
 \*\*\*\*\*

AND	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	0.0	0.0	0.0	0.0	-1.0	20.0	62.0	115.0	56.0	0.0	0.0	0.0	-1.0
1964	0.0	0.0	0.0	6.0	0.0	40.0	25.0	57.0	0.4	0.0	0.0	0.0	129.4
1965	0.0	0.0	0.0	4.0	46.0	4.0	205.0	164.0	0.0	6.0	0.0	0.0	429.0
1966	0.0	0.0	0.0	70.0	8.0	136.0	102.0	25.0	0.0	0.0	5.0	17.0	363.0
1967	0.0	0.0	0.0	0.0	-1.0	40.0	68.0	15.0	52.0	0.0	0.0	0.0	-1.0
1968	0.0	0.0	0.0	0.0	0.0	13.0	4.0	19.0	16.0	0.0	0.0	0.0	52.0
MIN	0.0	0.0	0.0	0.0	0.0	4.0	4.0	15.0	0.0	0.0	0.0	0.0	52.0
MAX	0.0	0.0	0.0	70.0	46.0	136.0	205.0	164.0	56.0	6.0	5.0	17.0	429.0
PROM	0.0	0.0	0.0	13.3	13.5	42.2	77.7	65.8	20.7	1.0	0.8	2.8	243.3
DESV	0.0	0.0	0.0	27.9	22.0	48.2	71.2	61.0	26.5	2.4	2.0	6.9	181.1
CV	-1.0	-1.0	-1.0	2.1	1.6	1.1	0.9	0.9	1.3	2.4	2.4	2.4	0.7

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 118 CHOAPA PETORCA SUP 1934 (KM2)  
 EST 14 AGUA AMARILLA HDA  
 LAT 3151 LON 7130  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1944	0.0	5.0	0.0	17.0	23.4	149.5	18.4	119.8	0.0	31.3	0.0	0.0	364.4
1945	4.0	85.0	0.0	2.4	0.0	0.0	2.4	69.5	33.0	0.0	0.0	0.0	196.3
1946	0.0	3.0	0.0	15.0	62.5	55.2	21.1	27.1	2.0	0.0	0.0	0.0	185.9
1947	0.0	0.0	0.0	0.0	5.5	52.2	65.3	32.2	2.0	38.0	5.2	0.0	200.4
1948	0.0	0.0	0.0	37.1	82.6	27.3	113.1	10.4	0.0	0.0	0.0	0.0	270.5
1949	0.0	0.0	0.0	0.0	131.7	59.9	36.3	28.6	0.0	0.0	0.0	0.0	256.5
1950	0.0	0.0	0.0	69.0	155.6	2.0	0.0	10.4	28.5	7.8	20.8	0.0	294.1
1951	0.0	0.0	0.0	16.0	53.8	61.9	62.9	4.0	10.3	0.0	0.0	0.0	208.9
1952	0.0	0.0	0.0	0.0	46.4	119.1	67.4	18.4	7.7	6.1	0.0	0.0	265.1
1953	0.0	0.0	0.0	24.1	81.7	-1.0	82.6	133.4	-1.0	-1.0	-1.0	-1.0	-1.0
1954	-1.0	-1.0	-1.0	-1.0	-1.0	106.8	18.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	185.9
MAX	4.0	85.0	0.0	69.0	155.6	149.5	113.1	133.4	33.0	38.0	20.8	0.0	364.4
PROM	0.4	9.3	0.0	18.1	64.3	63.4	44.4	45.4	9.3	9.2	2.9	0.0	249.1
DESV	1.3	26.7	0.0	21.7	50.8	49.1	36.3	46.6	12.7	14.8	6.9	0.0	57.9
CV	3.2	2.9	-1.0	1.2	0.8	0.8	0.8	1.0	1.4	1.6	2.4	-1.0	0.2

\*\*\*\*\*

40

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 119 LIGUA ACONCAGUA SUP 834 (KM2)  
 EST 1 PAPUDO  
 LAT 3230 LON 7130  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1952	0.0	0.0	0.0	0.0	42.0	139.2	92.8	11.2	15.8	7.7	0.0	0.0	308.7
1953	0.0	0.0	0.0	27.9	39.0	52.6	35.0	102.0	37.2	1.9	0.0	0.0	315.6
1954	0.0	0.0	0.0	49.2	54.0	122.0	34.0	28.0	5.3	0.0	0.0	0.0	292.5
1955	0.0	0.0	0.0	19.2	51.5	23.1	9.8	17.4	1.0	7.9	1.4	0.0	131.3
1956	0.0	0.0	45.5	20.0	18.8	9.4	64.5	48.6	16.7	0.0	0.0	0.0	223.5
1957	0.0	0.0	0.0	0.0	212.5	30.0	85.5	15.5	22.0	2.0	0.0	27.1	394.6
1958	0.0	0.0	0.0	0.0	100.4	88.0	21.0	57.0	7.0	0.0	0.0	0.0	273.4
1959	0.0	0.0	0.0	15.5	16.0	48.5	30.0	19.0	13.0	0.7	0.0	0.0	142.7
1960	0.0	0.0	0.0	0.0	20.0	101.0	27.0	40.0	3.0	0.0	0.0	0.0	191.0
1961	0.0	0.0	0.0	0.0	15.0	129.0	22.0	107.0	14.0	3.0	0.0	1.0	291.0
1962	0.0	0.0	0.0	0.0	4.5	115.0	11.5	6.0	6.5	7.5	0.0	0.0	152.0
1963	0.0	0.0	1.5	0.0	38.8	30.5	157.5	139.5	117.5	0.0	2.5	0.0	487.8
1964	0.0	0.0	0.0	7.0	0.0	37.0	41.5	69.0	3.0	0.0	3.5	0.0	161.0
1965	0.0	0.0	0.0	9.5	41.0	5.5	191.0	213.5	0.0	17.5	2.0	0.0	480.0
1966	0.0	0.0	0.0	72.0	5.5	141.0	84.0	27.0	0.0	0.0	2.5	12.5	344.5
1967	0.0	0.0	0.0	2.0	10.0	54.0	99.0	16.0	56.0	0.0	3.5	0.0	240.5
1968	0.0	0.0	0.0	5.0	0.0	16.0	9.0	20.0	13.0	0.0	0.0	0.0	63.0
MIN	0.0	0.0	0.0	0.0	0.0	5.5	9.0	6.0	0.0	0.0	0.0	0.0	63.0
MAX	0.0	0.0	45.5	72.0	212.5	141.0	191.0	213.5	117.5	17.5	3.5	27.1	487.8
PROM	0.0	0.0	2.8	13.4	39.4	67.2	59.7	55.1	19.5	2.8	0.9	2.4	264.3
DESV	0.0	0.0	11.0	20.2	51.4	48.4	52.8	56.2	29.1	4.8	1.3	7.0	119.9
CV	-1.0	-1.0	4.0	1.5	1.3	0.7	0.9	1.0	1.5	1.7	1.5	3.0	0.5

41.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 119 LIGUA ACONCAGUA SUP 881 (KM2)  
 EST 2 ZAPALLAR  
 LAT 3232 LON 7128 ALT 30 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1918	0.0	0.0	1.0	43.5	6.3	74.7	40.9	9.5	126.9	0.7	1.3	0.0	204.8
1919	0.0	0.0	0.0	29.8	293.5	146.6	88.5	33.9	18.5	13.8	0.0	0.0	624.6
1920	0.0	0.0	0.0	1.3	144.0	34.3	34.2	0.0	0.0	3.2	2.3	0.0	219.3
1921	0.0	0.0	6.6	16.1	304.4	89.0	0.2	42.2	0.6	1.0	7.5	0.0	467.6
1922	0.0	0.0	0.0	0.0	12.7	319.8	57.9	40.0	25.5	12.5	1.8	0.0	471.0
1923	3.3	0.0	0.0	0.0	0.0	57.8	132.0	87.0	4.4	19.8	1.3	0.0	305.6
1924	0.0	0.0	6.0	0.0	0.0	15.0	15.3	11.5	5.0	2.6	0.0	0.0	56.6
1925	0.0	2.6	0.0	11.0	9.2	8.3	68.8	1.5	69.2	13.1	0.0	0.0	183.7
1926	0.0	0.0	6.8	0.0	76.0	502.2	227.0	52.3	31.1	0.0	0.0	0.0	895.4
1927	0.0	0.0	0.0	0.0	56.3	115.9	60.6	17.7	31.2	4.4	2.8	0.0	288.9
1928	0.0	0.0	0.0	57.0	67.7	132.9	51.3	12.9	29.3	2.7	0.0	1.1	354.9
1929	4.4	0.0	0.0	0.0	23.8	82.8	18.0	141.2	26.3	3.2	0.0	12.0	311.7
1930	0.0	0.0	0.0	49.8	12.8	87.5	174.0	180.3	6.5	71.5	10.6	0.0	593.0
1931	5.5	0.0	0.0	1.4	26.2	91.3	98.3	78.2	53.7	1.4	0.0	0.0	356.0
1932	0.0	2.3	2.6	6.5	95.5	110.5	107.4	96.5	21.5	4.0	8.4	12.6	467.8
1933	37.0	9.4	0.0	0.0	19.6	59.0	43.7	61.3	10.7	4.0	3.6	0.0	248.3
1963	0.0	0.0	-1.0	0.0	49.0	30.0	176.0	193.0	101.0	0.0	4.0	0.0	-1.0
1964	0.0	0.0	0.0	6.0	0.0	31.0	40.0	89.0	3.0	0.0	0.0	0.0	169.0
1965	0.0	0.0	0.0	8.0	39.0	0.0	239.0	249.0	0.0	16.0	0.0	0.0	551.0
1966	0.0	0.0	0.0	68.0	18.0	148.0	72.0	34.0	0.0	0.0	-1.0	20.0	-1.0
1967	0.0	0.0	0.0	2.0	19.0	46.0	54.0	21.0	47.0	-1.0	0.0	0.0	-1.0
1968	0.0	0.0	0.0	0.0	0.0	21.0	7.0	21.0	22.0	0.0	0.0	0.0	71.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	56.6
MAX	37.0	9.4	6.8	68.0	304.4	502.2	239.0	249.0	126.9	71.5	10.6	20.0	895.4
PROM	2.3	0.6	1.1	13.7	57.9	100.2	82.1	67.0	28.8	8.3	2.1	2.1	360.0
DESV	7.9	2.1	2.3	21.3	86.0	113.3	68.1	68.2	33.5	15.7	3.1	5.4	209.9
CV	3.5	3.2	2.1	1.6	1.5	1.1	0.8	1.0	1.2	1.9	1.5	2.6	0.6

42.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 119 LIGUA ACONCAGUA SUP 881 (KM2)  
 EST 4 CATAPILCO  
 LAT 3234 LON 7118 ALT 95 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1925	0.0	2.0	0.0	8.9	27.1	0.7	116.9	4.8	74.1	12.4	0.6	0.0	247.5
1926	0.0	0.0	10.9	0.0	78.8	559.9	343.3	171.6	20.0	0.0	0.0	1.1	1185.6
1927	0.0	0.0	0.0	0.0	71.3	129.4	98.8	20.9	34.0	0.0	0.0	0.0	354.4
1928	0.0	0.0	0.0	36.5	84.5	176.0	48.2	8.9	25.4	0.0	0.0	0.0	379.5
1929	19.0	0.0	0.0	0.0	49.0	121.0	56.0	215.0	31.0	7.0	0.0	7.0	505.0
1930	0.0	0.0	0.0	47.0	10.0	99.0	209.0	202.0	16.0	67.0	7.0	0.0	657.0
1931	15.0	0.0	0.0	8.0	22.0	94.0	207.0	91.0	70.0	0.0	3.0	0.0	510.0
1932	0.0	2.0	0.0	7.0	87.0	95.0	115.0	159.0	18.0	0.0	0.0	20.0	503.0
1933	39.0	7.0	0.0	0.0	23.0	108.0	48.0	78.0	6.0	6.0	0.0	0.0	315.0
1934	0.0	0.0	0.0	0.0	247.0	130.0	14.0	2.0	21.0	18.0	4.0	0.0	436.0
1935	0.0	0.0	0.0	0.0	43.0	87.0	70.0	38.0	13.0	30.0	0.0	0.0	281.0
1936	0.0	0.0	0.0	9.0	133.0	52.0	106.0	106.0	11.0	3.0	0.0	8.0	428.0
1937	0.0	0.0	0.0	0.0	25.0	66.0	102.0	112.0	13.0	24.0	7.0	0.0	349.0
1938	0.0	0.4	7.0	0.0	143.0	52.0	67.0	0.0	0.0	23.0	0.0	0.0	292.4
1939	0.0	0.0	0.0	0.0	43.0	182.0	19.0	41.0	0.0	32.0	0.0	39.0	374.0
1940	0.0	11.0	0.0	2.0	23.0	104.0	164.0	20.0	16.0	10.0	0.0	0.0	350.0
1941	0.0	0.0	5.0	68.0	109.0	122.0	265.0	249.0	0.0	0.0	18.0	0.0	836.0
1942	0.0	0.0	0.0	0.0	23.0	75.0	138.0	168.0	10.0	23.0	35.0	0.0	472.0
1943	0.0	0.0	16.0	0.0	42.0	40.0	23.0	109.0	11.0	9.0	0.0	0.0	250.0
1944	0.0	15.0	0.0	20.0	56.9	209.4	51.4	252.0	4.5	48.8	0.0	0.0	658.0
1945	0.0	144.8	0.0	14.0	3.0	0.0	15.4	88.7	32.0	3.8	0.0	0.0	301.7
1946	0.0	0.0	0.0	14.1	34.2	73.9	29.1	40.8	7.4	4.7	0.0	0.0	204.2
1947	0.0	0.0	0.0	0.0	54.5	167.5	85.4	67.5	0.0	27.5	0.0	0.0	402.4
1948	0.0	0.0	0.0	60.0	107.2	48.0	206.5	12.0	6.0	4.0	0.0	0.0	443.7
1949	0.0	0.0	0.0	0.0	142.7	56.0	56.2	22.0	0.0	0.0	0.0	0.0	276.9
1950	0.0	0.0	0.0	89.3	176.5	10.3	0.0	33.4	33.6	0.0	42.5	0.0	385.6
1951	0.0	0.0	0.0	31.0	69.4	108.8	153.5	8.0	15.0	0.0	0.0	0.0	385.7
1952	0.0	0.0	0.0	0.0	56.0	152.6	116.5	21.0	20.0	0.0	0.0	0.0	366.1
1953	0.0	0.0	0.0	29.0	104.7	31.6	78.2	203.0	104.0	0.0	0.0	0.0	557.8
1954	7.3	0.0	0.0	71.5	65.5	149.8	49.0	25.0	4.0	0.0	0.0	0.0	364.8
1955	0.0	0.0	0.0	12.0	58.7	27.0	11.6	28.0	6.5	8.0	0.0	0.0	151.8
1956	0.0	0.0	48.0	20.0	19.0	9.3	94.0	93.0	28.0	0.0	0.0	0.0	311.3
1957	0.0	0.0	0.0	0.0	313.5	35.0	93.8	26.0	17.0	0.0	0.0	28.2	513.5
1958	0.0	0.0	0.0	0.0	103.2	59.9	16.7	81.0	11.0	0.0	0.0	0.0	271.8
1959	0.0	0.0	4.0	20.0	20.0	91.0	58.5	47.5	9.0	0.0	0.0	0.0	250.0
1960	0.0	0.0	0.0	0.0	23.7	137.8	45.0	34.0	0.0	0.0	0.0	0.0	240.5
1961	0.0	0.0	3.0	0.0	13.0	120.8	35.0	115.0	12.0	0.0	0.0	1.0	299.8
1962	0.0	0.0	0.0	0.0	5.0	189.0	19.5	6.0	6.8	15.4	0.0	0.0	241.7
1963	0.0	0.0	0.0	0.0	67.0	17.3	196.3	192.2	118.4	0.0	0.0	0.0	591.2
1964	0.0	0.0	0.0	4.0	0.0	55.0	50.0	72.0	0.0	3.0	0.0	0.0	184.0
1965	0.0	0.0	0.0	13.0	59.0	13.0	251.0	261.0	0.0	13.0	0.0	0.0	610.0
1966	0.0	0.0	0.0	86.0	7.5	221.0	135.0	29.0	0.0	0.0	6.7	0.0	485.2
1967	0.0	0.0	0.0	0.0	26.0	53.0	111.0	24.0	48.0	0.0	0.0	0.0	262.3
1968	0.0	0.0	0.0	0.0	0.0	11.0	8.0	30.0	21.0	0.0	0.0	0.0	70.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.0
MAX	39.0	144.8	48.0	89.3	313.5	559.9	343.3	261.0	118.4	67.0	42.5	39.0	1185.6
PROM	1.8	4.1	2.1	15.2	65.2	98.7	94.9	82.0	20.7	8.9	2.8	2.4	399.0
DES	6.8	21.9	7.7	24.6	64.2	92.4	78.2	77.4	26.0	14.4	8.6	7.8	193.2
CV	3.7	5.3	3.6	1.6	1.0	0.9	0.8	0.9	1.3	1.6	3.1	3.3	0.5

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 119 LIGUA ACONCAGUA SUP 881 (KM2)  
 EST 5 PALOS QUEMADOS  
 LAT 3238 LON 7118 ALT 392 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1921	0.4	1.1	0.8	1.4	334.5	121.5	3.6	38.2	9.3	8.0	9.5	0.0	528.3
1922	0.0	0.0	0.5	0.7	15.4	272.8	46.5	72.2	52.6	25.8	12.5	0.0	499.9
1925	0.0	0.0	0.3	5.7	39.5	12.2	129.0	12.5	125.0	12.0	4.0	0.0	340.2
1926	0.0	0.0	17.0	0.0	82.3	731.0	333.5	47.5	35.1	4.6	0.0	0.0	1251.0
1927	0.0	0.0	0.0	0.0	78.0	171.0	70.0	0.0	30.0	0.0	0.0	0.0	349.0
1928	0.0	0.0	0.0	38.0	87.0	208.0	60.0	15.0	39.0	5.0	0.0	0.0	452.0
1929	20.0	0.0	0.0	0.0	57.0	119.0	70.0	232.0	23.0	13.0	0.0	11.0	545.0
1930	0.0	0.0	0.0	51.0	10.0	95.0	215.0	210.0	14.0	86.0	15.0	0.0	696.0
1931	20.0	19.0	0.0	10.0	41.0	122.0	217.0	109.0	76.0	0.0	0.0	0.0	614.0
1932	0.0	0.7	0.0	8.0	55.0	128.0	125.0	162.0	15.0	0.0	0.0	45.0	538.7
1933	24.0	12.0	0.0	7.0	39.0	139.0	64.0	76.0	14.0	16.0	0.0	0.0	391.0
1934	0.0	0.0	0.0	0.0	300.0	145.0	30.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	10.0	12.2	3.6	0.0	9.3	0.0	0.0	0.0	340.2
MAX	24.0	19.0	17.0	51.0	334.5	731.0	333.5	232.0	125.0	86.0	15.0	45.0	1251.0
PROM	5.4	2.7	1.5	10.1	94.9	188.7	113.6	88.6	39.4	15.5	3.7	5.2	564.1
DESV	9.7	6.2	4.9	16.7	106.9	181.8	96.5	80.5	34.7	24.7	5.8	13.6	252.4
CV	1.8	2.3	3.1	1.6	1.1	1.0	0.8	0.9	0.9	1.6	1.6	2.6	0.4

44.

NOTA: VALCRES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 119 LIGUA ACONCAGUA SUP 881 (KM2)  
 EST 6 QUINTEROS  
 LAT 3247 LON 7132 ALT 2 (MTS)  
 \*\*\*\*\*

AND	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1961	0.0	0.0	0.0	0.6	30.0	158.0	32.4	91.4	15.8	2.1	0.0	0.0	330.3
1962	0.0	0.0	4.2	0.0	22.0	120.9	12.6	12.5	12.0	12.0	0.0	0.0	202.2
1963	0.0	0.0	0.0	0.0	55.1	37.8	105.0	182.4	100.0	0.0	4.0	0.0	550.3
1964	0.0	0.0	0.0	1.4	0.0	41.8	43.0	39.3	0.0	0.0	4.8	4.0	134.3
1965	0.0	0.0	0.0	33.4	31.0	7.7	201.3	247.1	0.0	11.1	8.0	2.0	541.6
1966	0.0	0.0	0.0	58.2	8.2	191.3	68.9	42.2	0.0	0.0	0.0	18.7	387.5
1967	0.0	0.0	0.0	0.0	26.0	32.0	154.0	18.0	51.0	0.0	0.1	0.0	282.0
1968	0.0	0.0	0.0	3.2	0.0	23.0	4.5	13.4	18.4	0.0	0.0	0.0	62.5
MIN	0.0	0.0	0.0	0.0	0.0	7.7	4.5	12.5	0.0	0.0	0.0	0.0	62.5
MAX	0.0	0.0	4.2	58.2	55.1	191.3	201.3	247.1	100.0	12.0	8.0	18.7	550.3
PROM	0.0	0.0	0.5	12.1	21.5	76.6	77.7	80.8	24.6	3.1	2.1	3.1	311.3
DESV	0.0	0.0	1.5	21.9	18.6	69.8	70.5	88.2	34.8	5.2	3.1	6.5	178.2
CV	-1.0	-1.0	2.8	1.8	0.9	0.9	0.9	1.1	1.4	1.7	1.5	2.1	0.6

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

*****													
ZONA 3 HOYA 119 LIGUA ACONCAGUA SUP 881 (KM2)													
EST 8 PUCHUNCAVI HDA													
LAT 3244 LON 7126 ALT 117 (MTS)													
*****													
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	JOT
*****													
1938	0.0	1.3	6.0	0.0	144.0	65.0	44.0	2.0	0.2	33.0	2.0	0.0	297.5
1939	0.0	0.0	0.0	0.0	51.0	156.0	6.0	57.0	25.0	67.0	0.0	41.0	403.0
1940	0.0	10.0	0.0	2.0	17.0	82.0	189.0	6.0	16.0	4.0	0.0	0.0	326.0
1941	0.0	0.0	7.0	45.0	122.0	94.0	293.0	169.0	0.0	0.0	27.0	0.0	777.0
1942	0.0	0.0	0.0	0.0	41.0	87.0	142.0	140.0	12.0	17.0	27.0	0.0	466.0
1943	0.0	0.0	22.0	1.0	44.0	39.0	31.0	110.0	10.0	0.0	0.0	0.0	257.0
1944	0.0	9.0	0.0	27.0	56.0	167.0	46.8	248.2	2.0	56.9	0.0	0.0	612.9
1945	0.0	132.5	0.0	12.0	1.8	0.0	12.2	78.0	30.8	31.5	0.0	0.0	298.8
1946	1.3	0.0	0.0	12.0	28.0	83.5	31.0	29.5	8.5	7.0	0.0	0.0	201.2
1947	0.0	0.0	0.0	0.0	15.0	98.4	97.3	45.5	5.0	34.0	0.0	0.0	295.2
1948	0.0	0.0	0.0	34.5	95.2	43.1	159.7	6.3	7.0	5.5	0.0	0.0	351.3
1949	0.0	0.0	5.4	0.0	115.1	89.0	35.4	20.0	0.0	0.0	0.0	0.0	264.9
1950	0.0	0.0	2.0	92.0	169.2	18.8	1.7	57.8	34.8	5.4	31.2	0.0	412.9
1951	0.0	0.0	0.0	21.0	61.5	111.8	127.9	13.2	13.7	0.0	0.0	0.0	349.1
1952	0.0	0.0	0.0	0.0	63.0	138.3	120.0	26.8	20.0	14.3	0.0	0.0	377.0
1953	7.5	0.0	0.0	37.4	112.7	59.2	49.0	155.1	56.3	3.0	0.0	0.0	480.2
1954	0.0	0.0	0.0	66.3	58.3	166.0	38.9	38.0	2.0	0.0	0.0	0.0	369.5
1955	0.0	0.0	0.0	14.1	49.0	27.0	10.0	31.9	1.5	3.8	0.0	0.0	137.3
1956	0.0	0.0	61.0	9.0	26.5	20.6	94.5	89.8	26.5	0.0	0.0	0.0	327.9
1957	0.0	0.0	0.0	0.0	243.5	22.4	112.0	22.0	24.1	6.4	0.0	36.0	466.4
1958	0.0	0.0	0.0	0.0	156.0	122.2	14.2	76.5	16.5	0.0	0.0	0.0	379.4
1959	0.0	0.0	6.0	17.0	5.0	120.8	50.5	58.8	9.0	0.0	0.0	0.0	273.1
1960	0.0	0.0	0.0	0.0	33.4	115.1	51.0	41.6	4.3	0.0	0.0	0.0	245.4
1961	0.0	0.0	0.2	0.0	23.5	157.3	30.6	100.1	28.2	3.9	0.0	0.0	343.8
1962	0.0	0.8	0.4	0.0	4.2	173.1	15.3	8.3	8.4	12.0	0.0	0.0	222.5
1963	0.0	0.0	0.5	0.0	77.1	43.8	209.3	207.0	116.8	0.0	10.1	0.0	664.6
1964	0.0	0.0	0.0	4.7	0.0	38.1	47.7	76.1	3.6	1.9	0.0	0.0	172.1
1965	0.0	0.0	0.0	14.8	52.2	10.6	219.7	224.4	0.0	17.5	4.8	0.0	544.0
1966	0.0	0.0	0.0	75.7	10.3	212.5	98.5	39.5	0.0	0.0	4.0	18.9	459.4
1967	0.0	0.0	0.0	0.6	32.0	32.0	148.0	30.0	69.0	1.5	2.6	0.0	315.7
1968	0.0	0.0	0.0	2.7	0.0	21.3	9.2	16.8	17.1	0.0	1.1	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.0	0.0	0.0	0.0	0.0	137.3
MAX	7.5	132.5	61.0	92.0	243.5	212.5	293.0	248.2	116.8	67.0	31.2	41.0	777.0
PROM	0.3	5.0	3.6	15.8	61.5	84.4	81.8	71.8	18.3	10.5	3.5	3.2	369.7
DESV	1.4	23.8	11.5	24.3	58.3	57.5	74.3	67.6	24.5	17.0	8.6	10.2	143.8
CV	4.8	4.8	3.2	1.5	0.9	0.7	0.9	0.9	1.3	1.6	2.4	3.2	0.4
*****													

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 4 HOYA 120 ACUNCAGUA MAIPO SUP 2432 (KM2)  
 EST 1 MONTEMAR  
 LAT 3257 LON 7133 ALT 12 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1959	3.5	0.0	15.4	5.6	23.6	79.4	30.5	39.6	7.6	3.1	0.0	0.1	208.4
1960	0.2	0.0	0.0	0.0	23.3	106.0	26.7	29.3	3.2	1.0	0.0	0.0	190.5
1961	2.4	0.0	1.1	0.0	33.6	132.0	39.3	76.4	30.2	1.0	0.4	1.0	317.4
1962	0.2	0.2	1.7	0.2	1.0	129.2	13.8	12.8	2.2	15.4	0.0	0.0	176.7
1963	0.0	0.0	0.0	0.0	35.1	27.7	146.6	139.0	113.5	0.0	5.7	0.0	467.6
1964	0.0	0.0	0.0	2.8	0.0	47.0	40.5	55.4	1.5	0.0	11.0	1.9	160.1
1965	0.0	0.0	0.0	9.0	40.4	10.7	239.5	251.4	0.2	16.9	8.0	0.0	576.1
1966	0.0	0.0	0.0	44.5	9.5	185.0	121.0	29.3	0.0	0.0	1.0	21.0	411.9
1967	0.8	0.0	0.0	0.1	24.0	22.0	125.0	18.0	35.0	0.0	0.0	0.0	224.9
1968	0.0	0.0	0.0	-1.0	0.0	-1.0	7.4	23.2	-1.0	0.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	10.7	7.4	12.8	0.0	0.0	0.0	0.0	160.1
MAX	3.5	0.2	15.4	44.5	40.4	185.0	239.5	251.4	113.5	16.9	11.0	21.0	576.1
PROM	0.7	0.0	1.8	6.9	19.0	82.1	79.0	67.4	21.5	3.7	2.9	2.7	303.7
DESV	1.2	0.1	4.8	14.5	15.4	60.0	75.8	74.7	37.0	6.6	4.2	6.9	149.1
CV	1.7	3.2	2.6	2.1	0.8	0.7	1.0	1.1	1.7	1.8	1.5	2.6	0.5

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 4 HOYA 120 ACONCAGUA MAIPD SUP 2432 (KM2)  
 EST 2 EL BELLOTO  
 LAT 3303 LON 7124 ALT 121 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1961	1.0	0.0	1.0	0.0	38.0	217.0	61.0	104.0	37.0	1.0	0.0	0.0	460.0
1962	0.0	0.0	2.0	0.0	7.0	233.0	14.0	18.0	2.0	16.0	0.0	0.0	292.0
1963	0.0	0.0	0.0	0.0	54.0	54.0	314.0	215.0	146.0	0.0	4.0	0.0	787.0
1964	0.0	0.0	0.0	4.0	0.0	71.0	66.0	129.0	0.0	0.0	5.0	6.0	281.0
1965	0.0	0.0	0.0	9.0	74.0	13.0	291.0	335.0	0.0	9.0	10.0	0.0	741.0
1966	0.0	0.0	0.0	67.0	9.0	242.0	163.0	43.0	0.0	0.0	0.0	21.0	545.0
1967	0.0	0.0	0.0	0.0	47.0	49.0	197.0	55.0	28.0	0.0	0.0	0.0	376.0
1968	0.0	0.0	0.0	4.0	0.0	40.0	15.6	35.0	22.6	0.0	0.0	0.0	117.2
MIN	0.0	0.0	0.0	0.0	0.0	13.0	14.0	18.0	0.0	0.0	0.0	0.0	117.2
MAX	1.0	0.0	2.0	67.0	74.0	242.0	314.0	335.0	146.0	16.0	10.0	21.0	787.0
PRGM	0.1	0.0	0.4	10.5	28.6	114.9	140.2	116.8	29.4	3.3	2.4	3.4	449.9
DESV	0.4	0.0	0.7	23.1	28.3	97.5	119.5	109.1	49.3	6.0	3.7	7.4	232.1
CV	2.8	-1.0	2.0	2.2	1.0	0.8	0.9	0.9	1.7	1.9	1.6	2.2	0.5

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

```

*****
ZONA 4 HOYA 120 ACONCAGUA MAIPO *****
EST 3 VINA I BOTANICO SUP 2432 (KM2)
LAT 3303 LON 7130 ALT 50 (MTS)
*****
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
*****
1964 0.0 0.0 0.0 6.0 0.0 63.0 -1.0 116.0 1.0 0.0 0.0 0.0 -1.0
1965 0.0 0.0 0.0 14.0 79.0 16.0 297.0 306.0 4.0 18.0 9.0 0.0 743.0
1966 0.0 0.0 0.0 41.0 9.5 254.0 120.0 42.0 0.0 7.5 0.0 -1.0 -1.0
*****

```

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 4 HOYA 120 ACONCAGUA MAIPO SUP 2432 (KM2)  
 EST 4 VALPO C ALEGRE  
 LAT 3303 LON 7138 ALT 112 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1930	-1.0	-1.0	-1.0	-1.0	-1.0	120.0	116.0	343.0	4.0	64.0	21.0	0.0	-1.0
1931	17.0	1.0	0.0	15.0	17.0	169.0	177.0	152.0	45.0	0.0	2.0	0.0	595.0
1932	0.0	1.0	3.0	5.0	92.0	153.0	181.0	144.0	10.0	0.0	0.0	21.0	610.0
1933	75.0	4.0	0.2	2.0	33.0	115.0	49.0	88.0	6.0	13.0	0.0	0.0	385.2
1934	0.0	0.0	0.0	0.1	234.0	294.0	18.0	6.0	17.0	22.0	7.0	0.0	598.1
1935	0.0	0.0	0.0	0.3	51.0	132.0	34.0	60.0	24.0	27.0	3.0	0.0	331.3
1936	0.0	0.0	1.0	21.0	186.0	66.0	111.0	99.0	20.0	7.0	0.0	0.0	511.0
1937	0.0	1.0	1.0	0.0	40.0	138.0	176.0	175.0	18.0	38.0	0.0	0.0	587.0
1938	0.0	0.0	38.0	0.0	118.0	92.0	54.0	7.0	1.0	44.0	2.0	0.0	356.0
1939	0.0	0.0	0.0	0.0	29.0	158.0	44.0	85.0	10.0	67.0	0.0	27.0	420.0
1940	0.0	97.0	0.0	5.0	34.0	176.0	292.0	4.0	43.0	50.0	0.0	0.0	641.0
1941	0.0	0.0	18.0	59.0	127.0	142.0	343.0	189.0	0.0	1.0	30.0	0.0	919.0
1942	0.0	0.0	0.0	0.0	59.0	82.0	140.0	99.0	7.0	37.0	45.0	0.0	469.0
1943	0.0	0.0	15.0	0.0	32.0	94.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1944	0.0	-1.0	0.0	28.0	58.1	258.6	-1.0	-1.0	-1.0	53.8	-1.0	-1.0	-1.0
1945	0.0	30.3	1.1	12.5	3.3	3.0	19.4	118.0	19.5	32.5	0.0	0.0	299.6
1946	6.6	0.0	0.0	8.5	45.1	117.7	20.2	38.6	6.4	0.0	0.0	0.0	243.1
1947	0.0	0.0	0.0	4.5	6.5	152.2	146.8	36.9	3.6	29.3	0.0	0.0	379.8
1948	0.0	0.0	1.0	63.7	101.1	36.5	157.9	10.0	4.8	0.0	0.0	0.0	375.0
1949	0.0	0.0	8.0	0.0	98.5	58.4	43.6	26.0	0.0	0.0	0.0	6.2	238.7
1950	0.0	0.0	7.6	94.3	197.3	53.6	0.0	49.7	41.9	12.9	58.2	0.0	515.5
1951	0.0	0.0	0.0	16.5	60.0	150.6	192.9	1.5	20.8	0.0	2.1	0.0	444.4
1952	0.0	0.0	0.0	0.0	161.4	185.0	149.8	6.5	8.9	14.4	0.0	0.0	526.0
1953	0.0	0.0	0.0	41.2	154.8	53.2	108.2	183.3	139.1	6.9	0.0	0.0	686.7
1954	0.0	0.0	0.0	100.2	84.5	196.2	66.7	29.3	11.1	0.0	0.0	0.0	488.0
1955	0.0	0.0	0.0	11.5	40.6	88.6	22.7	65.4	6.9	2.4	0.0	0.0	246.6
1956	6.5	0.0	28.2	14.3	44.5	33.4	86.0	92.4	13.9	0.0	0.0	0.0	319.2
1957	0.0	0.0	0.0	0.0	235.7	36.9	127.3	39.8	29.0	2.8	0.0	39.3	510.8
1958	0.0	0.0	0.0	0.0	163.2	232.0	4.2	115.7	38.7	0.0	0.0	0.0	553.8
1959	8.1	0.0	14.0	15.6	16.3	124.5	59.5	43.4	13.5	2.2	0.0	0.0	297.2
1960	0.5	0.0	0.0	0.0	20.0	193.0	45.0	48.0	3.8	16.8	0.0	0.0	327.1
1961	6.0	0.0	0.5	0.0	60.0	162.2	59.0	104.9	66.8	18.1	0.0	2.5	480.0
1962	0.0	0.0	48.0	0.0	2.7	105.0	13.6	16.6	5.6	34.5	0.0	0.0	226.0
1963	0.0	0.0	7.2	0.0	52.0	90.0	369.0	203.0	162.1	0.0	12.0	0.0	895.3
1964	0.0	0.0	0.0	16.1	0.0	28.1	17.4	97.5	3.0	0.0	14.0	8.3	184.4
1965	0.0	0.0	0.0	12.5	62.5	26.0	272.2	334.5	0.0	37.6	9.5	0.0	754.8
1966	0.0	0.0	0.0	43.0	13.0	197.0	109.0	34.0	0.0	3.0	2.0	19.0	420.0
1967	0.0	0.0	0.0	0.0	10.0	48.0	151.0	-1.0	-1.0	0.0	0.2	0.0	-1.0
1968	0.0	0.0	0.0	15.0	0.0	41.0	0.0	25.0	0.0	-1.0	-1.0	0.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.5	0.0	0.0	0.0	0.0	184.4
MAX	75.0	37.0	48.0	100.2	235.7	294.0	369.0	343.0	162.1	67.0	58.2	39.3	919.0
PROM	3.1	2.0	5.0	15.9	72.2	118.0	107.5	88.1	22.3	17.2	5.8	3.6	464.0
DESV	12.4	7.7	11.0	25.3	66.6	68.9	95.5	84.3	35.3	20.3	13.2	8.8	182.9
CV	3.9	3.9	2.2	1.6	0.9	0.6	0.9	1.0	1.6	1.2	2.3	2.5	0.4

NOTA=VALCRES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 4 HOYA 120 ACONCAGUA MAIPO SUP 2432 (KM2) 51.  
 EST 7 PEÑA BLANCA HOSPITAL  
 LAT 3304 LON 7123 ALT 154 (MJS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1943	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	5.0	0.1	0.2	-1.0
1944	1.5	3.7	0.0	43.9	41.8	241.5	64.0	288.6	5.0	56.3	0.0	0.0	726.3
1945	0.0	29.0	0.0	7.1	0.3	0.0	19.4	99.1	22.0	12.0	0.0	0.0	188.9
1946	6.0	0.0	0.0	8.3	30.7	111.5	22.8	41.6	13.8	1.7	0.0	0.0	236.4
1947	0.0	0.0	0.0	0.1	14.8	119.3	97.2	40.8	6.0	27.4	0.7	0.0	306.3
1948	0.0	0.0	0.0	113.2	102.6	46.4	202.1	8.1	5.3	0.0	0.0	0.0	477.7
1949	0.0	0.0	15.0	0.0	126.0	78.7	69.4	22.2	3.0	0.0	0.3	0.6	315.2
1950	0.0	0.0	0.9	53.9	156.7	25.1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1951	0.0	0.0	0.0	31.8	56.4	107.1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.3	0.0	19.4	8.1	3.0	0.0	0.0	0.0	188.9
MAX	6.0	29.0	15.0	113.2	156.7	241.5	202.1	288.6	22.0	56.3	0.7	0.6	726.3
PROM	0.9	4.1	2.0	32.3	66.2	91.2	79.1	83.4	9.2	14.6	0.2	0.1	375.1
DESV	2.1	10.1	5.3	38.6	56.1	74.5	67.1	105.2	7.3	20.8	0.3	0.2	198.0
CV	2.3	2.5	2.7	1.2	0.8	0.8	0.8	1.3	0.8	1.4	1.7	2.0	0.5

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

*****													
ZONA	HOYA 120 ACONCAGUA MAIPO SUP 2432 (KM2)												
4	EST 8 VILLA ALEMANA D O S												
	LAT 3304 LON 7125 ALT 140 (MTS)												
*****													
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
*****													
1917	-1.0	-1.0	-1.0	-1.0	-1.0	223.0	12.0	18.0	67.2	0.0	0.0	0.0	-1.0
1918	0.0	0.0	10.3	67.5	42.4	122.0	73.2	35.7	174.1	1.8	0.0	0.0	527.0
1919	0.0	0.0	0.0	65.9	350.2	176.2	188.8	98.0	49.3	0.0	0.0	0.0	928.4
1920	0.0	0.0	0.0	0.0	134.0	50.0	30.0	21.0	6.0	5.5	8.0	0.0	254.5
1921	0.0	0.0	7.0	29.0	474.5	109.0	2.5	58.0	0.0	6.0	0.0	0.0	686.0
1922	0.0	0.0	0.0	0.0	27.0	455.0	76.0	133.0	85.0	40.4	0.8	0.0	817.2
1929	0.0	0.0	0.0	0.0	54.0	129.0	-1.0	206.0	39.0	0.0	0.0	-1.0	-1.0
1930	0.0	0.0	0.0	34.0	27.0	125.0	201.0	224.0	7.0	32.0	17.0	0.0	667.0
1931	18.0	1.0	1.0	5.0	-1.0	94.0	195.0	-1.0	42.0	0.0	1.0	0.0	-1.0
1932	0.0	0.0	1.2	2.0	10.0	74.0	154.1	127.4	25.0	0.0	10.1	0.0	403.8
1933	40.0	8.0	0.0	0.0	14.0	100.0	64.0	141.0	14.0	7.0	0.0	0.0	388.0
1934	0.0	0.0	0.0	0.0	186.0	179.0	15.0	1.0	13.0	15.0	6.0	0.0	415.0
1935	0.0	0.0	0.0	0.0	28.0	126.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1936	0.0	0.0	0.0	14.0	233.0	-1.0	119.0	108.0	17.0	10.0	0.0	17.0	-1.0
1937	0.0	0.0	0.0	0.0	31.0	46.0	143.0	155.0	16.0	22.0	0.0	0.0	453.0
1938	-1.0	-1.0	33.0	-1.0	111.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1939	0.0	0.0	0.0	0.0	64.0	141.0	24.0	77.0	28.0	61.0	0.0	0.0	475.0
1940	0.0	18.0	0.0	0.0	37.0	93.0	192.0	8.0	31.0	14.0	0.0	0.0	393.0
1941	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	-1.0
1942	0.0	0.0	0.3	1.0	49.0	66.0	132.0	181.0	5.0	26.0	17.0	0.0	477.0
1943	0.0	0.0	14.0	5.0	45.0	53.0	31.0	88.0	12.0	4.0	0.0	0.0	242.0
1944	0.0	13.0	0.0	25.0	72.0	240.0	48.0	263.0	6.0	30.0	0.0	0.0	720.0
1945	8.0	137.0	0.0	11.0	4.0	0.0	21.0	99.0	21.0	15.0	0.0	0.0	308.0
1946	10.0	0.0	0.0	9.0	28.0	109.0	25.0	39.0	6.0	8.0	0.0	0.0	227.0
1947	0.0	0.0	0.0	0.0	30.0	116.0	93.0	36.0	6.0	27.0	0.0	0.0	288.0
1948	0.0	0.0	0.0	63.8	122.8	40.5	208.5	11.1	12.1	5.2	0.0	0.0	439.0
1949	0.0	0.0	16.7	0.0	355.4	71.2	86.5	21.4	2.5	0.0	0.0	0.0	325.4
1950	0.0	0.0	0.4	140.1	139.4	21.0	1.8	32.6	42.0	5.2	0.0	0.0	403.5
1951	0.0	0.0	0.0	24.8	50.0	116.2	188.3	10.7	10.0	0.0	0.0	0.0	401.2
1952	0.0	0.0	0.0	0.0	171.7	196.0	123.5	13.5	13.0	10.4	0.0	0.0	470.7
1953	7.4	0.0	0.0	41.5	135.9	65.2	97.2	217.6	139.3	9.5	0.0	0.0	707.6
1954	0.0	0.0	0.0	79.7	91.1	247.8	85.6	24.1	6.8	0.0	0.0	0.0	535.1
1955	0.0	0.0	0.0	15.5	43.7	57.3	11.3	58.2	5.4	3.8	0.0	0.0	201.9
1956	7.0	0.0	52.6	11.5	35.1	39.5	96.8	61.0	25.2	0.0	0.0	0.0	328.7
1957	0.0	0.0	0.0	0.0	328.1	24.0	136.2	27.1	-1.0	-1.0	-1.0	1.0	-1.0
1962	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	15.4	9.6	20.9	17.7	0.0	0.0	-1.0
1963	0.0	0.0	0.0	0.0	52.3	69.8	280.1	200.7	151.6	0.0	0.0	0.0	754.5
1964	0.0	0.0	0.0	7.0	0.0	86.5	9.0	123.0	1.0	0.0	6.5	4.0	237.0
1965	0.0	0.0	0.0	7.8	0.0	2.7	213.0	289.0	4.0	18.5	0.0	0.0	535.5
1966	0.0	0.0	0.0	69.8	6.0	226.5	143.5	38.5	0.0	3.5	0.5	22.0	510.3
1967	0.0	0.0	0.0	4.5	64.0	29.0	162.0	34.0	58.0	0.0	0.0	0.0	351.5
*****													
MIN	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.0	0.0	0.0	0.0	0.0	201.9
MAX	40.0	137.0	52.6	140.1	474.5	455.0	280.1	289.0	174.1	61.0	17.0	30.0	928.4
PROM	2.2	4.9	3.6	20.0	90.9	112.8	99.2	89.3	31.4	11.1	1.8	2.2	464.8
DESV	7.3	22.7	10.4	31.5	105.7	87.3	75.2	79.6	42.3	14.9	4.4	6.6	184.3
CV	3.3	4.6	2.9	1.6	1.2	0.8	0.8	0.9	1.3	1.3	2.4	3.1	0.4
*****													

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

SUP 2432 (KM2)

ZCNA 4

HOYA 120 ACONCAGUA MAIPO  
 EST 9 QUILPUE  
 LAT 3304 LON 7128 ALT 101 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1918	0.0	0.0	11.0	61.8	37.4	127.7	72.3	58.3	127.0	0.4	18.5	0.0	514.4
1919	0.0	0.0	0.0	71.1	375.6	172.0	163.7	84.6	46.1	5.6	0.0	0.0	918.7
1920	0.0	0.0	0.0	0.2	136.1	43.3	19.3	9.9	3.1	3.5	3.7	0.2	219.3
1921	0.0	0.0	0.0	29.9	416.5	134.6	3.6	45.0	0.8	0.0	0.0	0.0	637.9
1922	0.0	0.0	0.8	0.0	17.7	393.9	77.9	123.7	82.3	30.4	0.0	0.0	726.7
1923	3.1	0.0	0.0	0.0	1.4	179.6	221.3	166.7	0.0	20.0	3.0	0.0	596.0
1924	0.0	0.0	4.0	0.0	0.4	12.8	20.1	19.7	3.9	0.4	0.0	0.0	61.3
1925	0.0	3.7	0.0	15.0	42.9	16.3	161.7	3.8	147.2	15.6	0.0	0.0	406.2
1926	0.0	0.5	7.4	0.0	87.8	658.8	252.5	91.5	20.0	0.0	0.0	0.2	1118.7
1927	0.0	0.0	0.0	0.0	124.1	186.2	155.1	19.7	68.3	2.9	2.0	0.0	558.3
1928	0.0	0.2	0.0	57.4	135.1	244.5	69.3	18.5	23.8	0.0	2.2	0.0	551.0
1929	35.0	0.0	1.0	0.0	58.0	139.0	35.0	225.0	42.0	85.0	14.0	1.0	941.0
1930	0.0	0.0	0.0	60.0	45.0	159.0	227.0	335.0	15.0	3.0	2.0	0.0	587.0
1931	16.0	0.0	0.0	8.0	19.0	127.0	213.0	140.0	59.0	3.0	0.0	15.0	830.0
1932	0.0	2.0	3.0	10.0	74.0	259.0	198.0	242.0	27.0	0.0	0.0	0.0	430.0
1933	38.0	9.0	0.0	0.0	20.0	122.0	76.0	148.0	9.0	8.0	0.0	0.0	695.0
1934	0.0	0.0	0.0	0.0	309.0	345.0	8.0	0.0	15.0	18.0	0.0	0.0	334.0
1935	0.0	0.0	0.0	0.0	40.0	124.0	57.0	32.0	19.0	42.0	0.0	0.0	656.0
1936	0.0	0.0	0.0	18.0	263.0	63.0	136.0	129.0	18.0	5.0	0.0	24.0	527.0
1937	0.0	0.0	0.0	0.0	5.0	132.0	178.0	180.0	17.0	15.0	3.0	0.0	456.0
1938	0.0	0.0	46.0	0.0	152.0	86.0	103.0	27.0	0.0	39.0	0.0	33.0	503.0
1939	0.0	0.0	0.0	0.0	76.0	167.0	30.0	89.0	37.0	71.0	0.0	0.0	604.0
1940	0.0	26.0	0.0	3.0	69.0	152.0	278.0	8.0	29.0	39.0	54.0	0.0	1121.0
1941	0.0	0.0	19.0	60.0	196.0	206.0	288.0	295.0	0.0	3.0	33.0	0.0	442.6
1942	0.0	0.0	2.0	0.0	53.0	88.0	63.0	161.0	4.0	38.6	33.0	0.0	336.0
1943	0.0	0.0	17.0	7.0	67.0	80.0	37.0	95.0	33.0	0.0	0.0	0.0	781.6
1944	4.0	21.0	0.0	36.0	42.1	299.0	41.0	265.0	11.2	62.3	0.0	0.0	346.1
1945	0.0	124.5	0.0	10.0	0.0	0.0	24.0	144.0	21.6	22.0	0.0	0.0	273.0
1946	10.0	0.0	0.0	9.5	38.5	133.5	103.5	55.5	2.5	0.0	0.0	0.0	334.2
1947	0.0	0.0	2.0	2.0	9.0	148.8	24.2	36.1	5.7	28.4	0.0	0.0	534.7
1948	0.0	0.0	0.0	78.6	125.0	448.4	241.7	21.0	11.0	9.0	0.0	0.0	393.0
1949	0.0	0.0	19.0	0.0	177.5	102.0	68.5	23.0	3.0	6.0	32.5	0.0	533.6
1950	0.0	0.0	1.0	162.0	181.1	25.0	2.0	44.5	79.5	6.0	0.0	0.0	560.0
1951	0.0	0.0	0.0	21.0	67.0	229.0	214.0	14.0	15.0	0.0	0.0	0.0	530.2
1952	0.0	0.0	0.0	0.0	146.8	197.4	145.2	14.8	13.0	13.0	0.0	0.0	891.3
1953	0.0	0.0	0.0	39.8	189.0	55.0	127.5	291.5	167.5	12.0	0.0	0.0	457.0
1954	9.0	0.0	0.0	78.0	71.0	196.0	78.0	22.0	4.0	5.0	0.0	7.0	212.0
1955	0.0	0.0	0.0	19.0	84.0	42.0	14.0	37.0	12.0	2.0	0.0	0.0	362.0
1956	0.0	0.0	4.0	13.0	36.0	33.0	95.0	103.0	32.0	2.0	2.0	4.0	525.0
1957	0.0	0.0	0.0	1.0	275.0	18.0	118.0	38.0	30.0	5.0	1.0	0.0	334.0
1958	0.0	0.0	0.0	1.0	83.0	101.0	13.0	114.0	21.0	21.0	0.0	0.0	316.0
1959	1.0	0.0	9.0	15.0	20.0	121.0	69.0	61.0	11.0	7.0	8.0	0.0	254.0
1960	0.0	0.0	0.0	0.0	33.0	138.0	33.0	38.0	10.0	2.0	0.0	0.0	315.0
1961	8.0	0.0	0.0	0.0	18.0	135.0	49.0	79.0	22.0	0.0	0.0	0.0	140.0
1962	0.0	0.0	2.0	0.0	2.0	78.0	16.0	15.0	11.0	16.0	0.0	0.0	459.0
1963	0.0	0.0	2.0	0.0	18.0	39.0	230.0	86.0	75.0	3.0	6.0	0.0	-1.0
1964	0.0	0.0	0.0	3.0	0.0	63.0	11.0	77.0	-1.0	0.0	0.0	2.0	727.0
1965	0.0	0.0	0.0	11.0	62.0	12.0	241.0	376.0	2.0	20.0	0.0	22.0	397.0
1966	0.0	0.0	0.0	40.0	36.0	155.0	116.0	28.0	0.0	0.0	0.0	0.0	282.0
1967	0.0	0.0	0.0	3.0	49.0	26.0	165.0	25.0	14.0	0.0	0.0	0.0	

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1968	0.0	0.0	0.0	4.0	0.0	33.0	15.0	37.0	19.0	0.0	1.0	0.0	109.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	61.3
MAX	38.0	124.5	46.0	162.0	416.5	658.8	288.0	376.0	167.5	85.0	54.0	40.0	1121.0
PROM	2.4	3.7	3.9	18.6	89.9	134.3	105.9	94.0	28.8	12.9	3.7	3.0	507.2
DESV	7.6	17.9	9.8	31.0	97.3	114.4	84.7	93.6	36.9	19.3	10.1	8.5	237.9
CV	3.1	4.9	2.5	1.7	1.1	0.9	0.8	1.0	1.3	1.5	2.7	2.9	0.5

54.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 4

HOYA 120 ACONCAGUA MAIPO  
EST 10 MARGA MARGA EMB.  
LAT 3306 LON 7124

SUP 2432 (KM2)

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1944	0.0	23.0	0.0	31.0	67.1	268.3	44.0	272.5	7.3	34.0	0.0	0.0	747.2
1945	0.0	145.5	0.0	13.0	5.0	0.0	10.0	126.5	22.5	14.5	0.0	0.0	337.0
1946	10.0	0.0	0.0	8.5	30.5	114.5	26.5	41.0	7.0	3.0	0.0	0.0	241.0
1947	0.0	0.0	0.0	0.0	10.0	124.0	110.0	47.5	4.0	26.0	0.0	0.0	321.5
1948	0.0	0.0	0.0	68.0	110.5	32.0	196.5	11.0	9.0	0.0	0.0	0.0	427.0
1949	0.0	0.0	13.0	0.0	149.0	79.0	55.0	23.5	0.0	0.0	0.0	0.0	319.5
1950	0.0	0.0	0.0	123.0	159.0	24.0	1.5	57.5	56.0	7.5	30.2	0.0	458.7
1951	0.0	0.0	0.0	18.0	45.0	140.0	192.5	8.3	12.0	0.0	0.8	0.0	416.6
1952	0.0	0.0	0.0	0.0	137.0	233.5	250.0	12.9	17.0	10.5	0.0	0.0	660.9
1953	10.8	0.0	0.0	42.5	198.0	60.4	132.0	232.5	148.5	11.0	0.0	0.0	835.7
1954	0.0	0.0	0.0	83.0	91.0	229.8	68.0	31.1	0.0	0.0	0.0	0.0	502.9
1955	0.0	0.0	0.0	16.7	46.9	56.2	3.8	38.5	10.0	3.6	0.0	10.5	186.2
1956	9.0	0.0	39.0	9.5	40.5	29.0	104.7	80.2	24.4	0.0	0.0	0.0	336.3
1957	0.0	0.0	0.0	0.0	313.3	27.5	131.5	26.6	23.0	3.5	0.0	42.0	567.4
1958	0.0	0.0	0.0	0.0	76.0	177.5	9.0	120.5	25.3	0.0	0.0	0.0	408.3
1959	0.0	0.0	11.5	13.3	18.2	130.2	75.6	66.1	17.7	7.5	0.0	0.0	340.1
1960	0.0	0.0	0.0	0.0	26.5	168.5	42.4	34.5	2.6	0.0	0.0	0.0	274.5
1961	8.5	0.0	2.4	0.0	37.6	224.0	50.2	108.7	34.9	1.0	0.0	0.0	475.3
1962	0.0	0.0	1.5	0.0	2.4	220.9	15.4	14.6	9.6	20.6	0.0	0.0	285.0
1963	0.0	0.0	5.0	0.3	46.3	50.2	283.6	242.9	128.2	5.1	0.4	0.0	762.2
1964	0.0	0.4	0.0	5.2	0.0	61.8	59.8	120.6	1.2	0.7	5.1	5.2	260.0
1965	0.0	0.0	0.0	8.9	68.4	4.9	306.6	374.0	2.4	20.2	6.3	0.0	791.7
1966	0.0	0.0	0.0	68.2	-1.0	271.6	112.9	36.9	0.0	1.0	0.0	16.4	-1.0
1967	0.0	0.0	-1.0	1.5	18.0	40.0	186.0	28.0	71.0	0.0	0.0	0.4	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	1.5	8.3	0.0	0.0	0.0	0.0	186.2
MAX	10.8	145.5	39.0	123.0	313.3	271.6	306.6	374.0	148.5	34.0	30.2	42.0	835.7
PROM	1.6	7.0	3.1	21.3	73.7	115.3	102.8	89.8	26.4	7.1	1.8	3.1	452.5
DESV	3.7	29.9	8.6	32.6	75.6	89.0	90.5	96.9	38.8	9.5	6.3	9.2	194.6
CV	2.3	4.2	2.7	1.5	1.0	0.8	0.9	1.1	1.5	1.3	3.5	3.0	0.4

NCTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

\*\*\*\*\*  
 ZONA 4  
 \*\*\*\*\*  
 HOYA 120 ACONCAGUA MAIPO  
 EST 11 EL RINCON  
 LAT 3305 LON 7123 ALT 112 (MTS)  
 \*\*\*\*\* SUP 2432 (KM2) \*\*\*\*\*  
 \*\*\*\*\*  
 ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT  
 1944 0.3 0.3 0.0 22.0 57.0 255.0 59.0 275.0 0.2 60.0 0.0 0.0 729.0  
 1946 9.0 0.0 0.0 7.0 33.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0  
 \*\*\*\*\*

\*\*\*\*\*  
 ZONA 4  
 HOYA 120 ACONCAGUA MATPO  
 EST 13 PTA CURAUMILLA SUP 2432 (KM2)  
 LAT 3E06 LON 7124 ALT 85 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1913	0.3	0.0	0.0	0.0	48.4	21.9	76.8	12.4	22.8	0.0	0.0	0.2	182.8
1914	0.0	0.0	0.0	0.0	70.2	90.0	94.9	55.3	93.0	38.7	21.1	0.0	463.2
1915	0.0	0.0	0.0	11.2	136.2	80.5	6.6	4.5	0.5	0.0	0.0	0.0	239.5
1916	4.7	0.0	19.7	20.0	6.3	4.6	44.4	11.8	38.4	0.0	0.0	0.0	185.4
1917	0.0	0.0	0.7	5.7	58.0	114.6	12.3	19.1	52.2	0.0	35.5	0.0	262.6
1918	0.0	0.0	1.1	46.9	31.7	192.1	15.6	12.4	87.5	0.1	15.4	0.0	402.8
1919	0.0	0.0	1.1	38.8	304.2	117.0	101.6	32.9	36.1	0.0	0.0	0.0	631.9
1920	0.0	0.0	0.0	0.0	74.2	41.7	14.8	12.3	2.6	0.0	0.0	0.0	147.0
1922	0.0	0.0	1.7	0.7	13.0	209.4	83.2	51.3	24.8	33.7	0.0	0.3	417.8
1923	0.0	0.0	0.0	0.0	0.2	90.5	50.4	94.1	0.0	9.3	1.5	0.0	246.0
1924	0.0	1.2	6.5	0.0	0.0	9.5	7.7	17.5	4.4	0.0	0.0	0.0	45.6
1925	0.0	0.0	0.0	7.0	23.9	10.5	97.3	0.0	118.4	21.3	0.0	0.0	279.6
1926	0.0	0.0	0.8	0.0	58.0	396.9	170.1	56.8	0.0	0.0	0.0	0.0	685.5
1927	0.0	0.0	0.0	0.0	111.1	112.3	49.3	30.0	55.1	0.0	4.1	2.6	361.9
1928	0.0	5.4	1.6	50.6	70.5	86.2	38.2	12.2	10.7	3.1	2.2	0.0	280.7
1929	5.0	0.0	0.0	0.0	47.0	66.0	7.0	146.0	26.0	4.0	0.0	6.0	307.0
1930	0.0	0.0	0.0	46.0	18.0	90.0	83.0	141.0	8.0	47.0	13.0	3.0	449.0
1931	6.0	0.0	0.2	5.0	13.0	84.0	102.0	75.0	12.0	0.2	1.0	0.0	298.4
1932	0.0	1.0	0.0	6.0	51.0	65.0	63.0	71.0	13.0	0.2	0.0	12.0	284.2
1933	25.0	0.0	2.0	0.0	125.0	141.0	4.0	29.0	7.0	10.0	0.0	0.0	192.0
1934	0.0	0.0	0.0	0.0	62.0	106.0	26.0	4.0	16.0	16.0	4.0	0.0	310.0
1935	0.0	0.0	0.0	30.0	102.0	50.0	120.0	22.0	16.0	31.0	2.0	0.0	270.0
1936	0.0	0.0	0.0	1.0	19.0	92.0	100.0	126.0	17.0	2.0	0.0	16.0	412.0
1937	0.0	0.0	-1.0	0.0	62.0	82.0	63.0	0.0	17.0	20.0	9.0	1.0	385.4
1938	0.0	0.0	0.0	0.0	21.0	128.0	16.0	93.0	6.0	26.0	4.0	0.0	-1.0
1939	0.0	0.0	0.0	8.0	-1.0	193.0	0.3	21.0	54.0	1.0	2.8	0.0	336.8
1940	0.0	0.0	0.0	33.0	92.0	100.0	355.0	97.0	46.0	3.0	0.0	0.0	-1.0
1941	0.0	0.3	0.0	2.0	22.0	58.0	54.0	114.0	0.0	8.0	0.0	0.0	718.0
1942	0.0	0.0	14.0	5.0	59.0	109.0	53.0	110.0	46.0	30.0	0.0	0.0	326.4
1943	0.0	13.4	11.4	28.0	49.4	272.0	38.5	189.0	27.0	5.0	0.0	0.0	382.0
1944	5.8	0.0	0.0	6.0	0.0	0.0	24.2	70.9	29.5	0.0	0.0	0.0	614.7
1945	0.0	0.0	0.0	2.5	43.5	88.4	21.4	32.1	27.1	4.8	0.0	0.0	166.8
1946	0.0	0.0	0.0	2.5	7.2	78.7	143.5	32.1	12.0	4.8	0.0	0.8	215.6
1947	0.0	0.0	0.0	16.0	90.5	26.0	144.2	24.0	3.3	38.4	0.0	0.0	297.6
1948	0.0	0.0	12.7	17.0	79.3	43.7	35.0	13.0	0.8	1.3	0.0	0.0	291.8
1949	0.0	0.0	13.8	67.0	136.0	45.4	1.2	32.5	0.0	0.0	0.0	0.0	220.2
1950	0.0	0.0	0.0	13.8	74.4	168.4	202.0	12.6	40.7	0.0	11.3	0.0	328.0
1951	0.0	0.0	0.5	0.0	174.2	168.7	193.6	16.6	39.8	0.0	6.8	0.0	521.8
1952	18.8	0.0	0.0	32.5	184.0	75.4	50.3	21.0	17.2	7.0	0.0	0.0	582.2
1953	0.0	0.0	0.0	82.8	81.8	155.6	72.5	146.9	14.0	10.0	0.0	0.0	666.0
1954	0.0	0.0	0.0	7.2	32.5	59.7	14.8	36.5	10.6	1.7	2.6	0.0	443.3
1955	21.1	0.0	60.4	25.1	60.1	37.9	115.7	55.9	9.9	8.1	0.0	5.2	193.3
1956	0.0	0.0	0.0	0.0	382.0	68.8	215.5	68.5	18.3	0.0	0.0	0.0	407.1
1957	0.0	0.0	0.0	5.7	101.4	81.4	13.0	79.2	30.0	4.3	0.0	41.8	821.6
1958	18.1	0.0	10.5	17.2	15.1	45.0	38.0	59.0	58.6	0.0	0.0	0.0	326.1
1959	0.0	0.0	0.0	0.0	-1.0	59.0	37.0	8.0	3.3	4.0	0.0	0.0	181.7
1960	0.0	0.0	0.0	0.0	30.5	61.1	40.0	60.8	0.0	7.3	0.0	0.0	-1.0
1961	8.2	0.0	0.0	0.0	0.0	-1.0	8.0	8.0	50.7	9.0	0.0	0.0	260.1
1962	0.0	0.0	16.2	0.0	0.0	-1.0	8.0	0.0	7.2	16.5	0.0	0.0	-1.0
1963	2.5	0.0	16.2	0.0	18.4	32.0	83.9	61.3	122.5	1.5	9.5	0.0	347.8

	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOI
1964	2.0	0.0	0.0	11.0	0.0	-1.0	33.0	78.0	2.0	1.0	8.0	8.0	-1.0
1965	0.0	0.0	0.0	6.0	64.0	18.0	301.0	155.0	0.8	10.0	5.0	2.0	571.8
1966	0.0	0.0	1.0	21.0	25.0	192.0	37.0	20.0	0.0	5.0	1.0	16.0	318.0
1967	1.5	0.0	0.0	0.2	19.0	33.0	90.0	16.0	40.0	0.0	4.0	0.2	203.9
1968	0.0	0.0	0.0	0.7	2.4	28.5	12.9	23.2	23.4	0.0	0.5	1.2	92.8
MIN	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	45.6
MAX	25.0	13.4	60.4	82.8	382.0	396.9	355.0	189.0	144.0	54.0	35.5	41.8	821.6
PROM	2.2	0.4	4.2	12.5	64.0	89.1	74.9	51.8	25.5	10.9	3.8	2.2	351.5
DESV	5.6	1.9	10.2	18.3	71.6	71.2	74.2	47.1	32.6	15.1	7.2	6.5	168.9
CV	2.6	4.5	2.4	1.5	1.1	0.8	1.0	0.9	1.3	1.4	1.9	2.9	0.5

NCTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

*****													
ZCNA 4 HOYA 120 ACONCAGUA MAIPO SUP 2432 (KM2)													
EST 14 MARGA MARGA PERALES													
LAT 3308 LON 7120 ALT 220 (MTS)													
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
*****													
1917	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	15.5	69.9	0.0	0.0	0.0	-1.0
1918	0.0	0.0	1.0	59.2	37.9	115.2	58.4	33.2	181.4	0.0	30.2	0.0	516.5
1919	0.0	0.0	0.0	70.3	381.0	162.2	162.7	60.0	54.9	8.0	0.0	0.0	899.1
1920	0.0	0.0	0.0	0.0	125.0	55.7	30.0	8.5	1.5	8.8	12.1	0.0	242.4
1921	0.0	0.0	11.6	35.3	367.2	105.4	0.0	65.6	0.0	6.0	0.0	0.0	591.1
1922	0.0	0.0	0.0	0.0	21.5	390.2	66.0	154.3	91.1	28.8	1.4	0.0	753.3
1923	4.7	0.0	0.0	0.0	2.5	188.7	208.1	136.4	3.3	23.5	3.7	0.0	570.9
1924	0.0	0.0	12.0	2.0	3.0	13.1	36.8	23.0	3.0	2.0	0.0	0.0	94.9
1925	0.0	3.2	0.0	16.6	44.0	13.1	211.6	4.0	138.4	24.2	0.0	0.0	455.1
1926	0.0	0.0	18.0	0.0	82.5	624.0	349.1	80.8	29.0	2.0	0.0	0.0	1185.4
1927	0.0	0.0	0.0	0.0	140.2	228.0	167.5	45.0	83.3	4.0	0.0	0.0	668.0
1928	0.0	2.0	0.0	78.0	118.8	286.0	77.0	22.8	39.4	29.5	3.8	0.0	657.3
1929	36.0	0.0	0.0	0.0	95.0	125.0	39.0	266.0	50.0	2.0	0.0	0.0	94.9
1930	0.0	0.0	0.0	55.0	25.0	129.0	249.0	331.0	17.0	82.0	14.0	5.0	907.0
1931	22.0	0.0	0.0	11.0	26.0	197.0	274.0	123.0	7.0	3.0	3.0	0.0	666.0
1932	0.0	1.0	2.0	4.0	72.0	165.0	168.0	219.0	26.0	0.0	4.0	50.0	711.0
1933	55.0	10.0	0.0	0.0	30.0	138.0	64.0	171.0	20.0	-1.0	0.0	0.0	-1.0
1934	0.0	0.0	0.0	0.0	300.0	220.0	-1.0	-1.0	-1.0	29.0	10.0	-1.0	-1.0
1935	0.0	0.0	0.0	0.0	35.0	101.0	70.0	7.0	38.0	29.0	0.0	0.0	280.0
1936	0.0	0.0	0.0	20.0	271.0	65.0	138.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1938	0.0	0.0	0.0	55.0	25.0	129.0	249.0	331.0	17.0	82.0	14.0	5.0	907.0
MIN	0.0	0.0	0.0	0.0	2.5	13.1	0.0	4.0	0.0	0.0	0.0	0.0	94.9
MAX	55.0	10.0	18.0	78.0	381.0	624.0	349.1	331.0	181.4	82.0	30.2	50.0	1185.4
PROM	5.9	0.8	2.2	20.3	110.1	172.5	137.8	110.4	45.8	19.1	4.8	3.2	600.0
DESV	14.8	2.3	5.2	27.5	121.2	138.9	99.0	108.6	49.1	25.0	7.8	11.5	299.8
CV	2.5	2.9	2.3	1.4	1.1	0.8	0.7	1.0	1.1	1.3	1.6	3.6	0.5
*****													

59.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

*****													
ZONA	HOYA 120 ACQNCAJUA MAIPO SUP 2432 (KM2)												
4	EST 16 PENUELAS LAGO												
	LAT 3310 LON 7132 ALT 360 (MTS)												
*****	*****												
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
1915	0.0	0.0	0.0	16.8	263.6	98.2	13.7	9.4	4.3	5.1	0.0	0.0	511.1
1916	5.1	0.0	25.9	10.4	11.9	5.6	43.9	44.4	62.8	3.3	81.8	0.0	295.1
1917	0.0	0.0	0.0	8.0	29.0	273.0	10.0	23.0	105.0	0.0	0.0	0.0	448.0
1918	0.0	0.0	3.6	43.4	54.4	233.7	92.4	38.3	121.2	0.0	33.3	0.0	620.3
1919	0.0	0.0	0.0	52.8	482.4	181.1	188.5	134.9	61.0	1.0	0.5	0.0	1102.2
1920	0.0	0.0	0.0	0.0	170.9	30.4	3.5	12.4	3.0	5.8	7.4	0.0	233.4
1921	0.0	0.0	3.6	44.9	517.7	134.1	10.4	63.3	3.8	7.3	0.0	0.0	785.1
1922	0.0	0.0	2.0	2.0	20.6	495.7	31.5	165.6	79.4	28.5	0.0	0.0	825.3
1923	0.0	0.0	0.0	0.0	1.0	277.7	250.9	206.6	0.0	24.9	3.3	2.0	766.4
1924	0.0	0.0	2.3	0.8	0.0	1.0	36.3	22.1	3.3	0.0	0.0	0.0	65.8
1925	0.0	5.6	0.0	14.7	38.0	11.5	213.6	3.8	165.7	22.9	0.0	0.0	475.8
1926	0.0	1.3	20.5	0.0	98.3	847.8	411.6	99.0	13.4	0.0	0.0	0.7	1492.6
1927	0.0	0.0	0.0	0.0	133.6	282.7	231.9	44.2	82.8	0.0	0.0	0.0	775.2
1928	0.0	0.0	0.0	71.6	162.2	434.5	178.7	20.0	26.8	5.3	0.0	0.0	899.1
1929	21.0	0.0	0.0	0.0	72.0	139.0	47.0	388.0	61.0	6.0	0.0	12.0	746.0
1930	0.0	0.0	0.0	123.0	39.0	214.0	330.0	413.0	16.0	90.0	19.0	13.0	1257.0
1931	12.0	12.0	1.0	13.0	20.0	153.0	280.0	125.0	63.0	1.0	23.0	0.0	703.0
1932	0.0	3.0	6.0	5.0	56.0	167.0	249.0	222.0	22.0	0.0	0.0	30.0	760.0
1933	75.0	0.0	0.0	2.0	34.0	161.0	93.0	135.0	15.0	18.0	0.0	0.0	533.0
1934	0.0	0.0	0.0	0.0	219.0	390.0	37.0	7.0	16.0	21.0	0.0	0.0	790.0
1935	0.0	0.0	0.0	2.0	41.0	163.0	95.0	43.0	21.0	36.0	0.0	0.0	401.0
1936	1.0	0.0	3.0	24.0	251.0	88.0	118.0	116.0	26.0	6.0	0.0	18.0	651.0
1937	0.0	0.2	0.5	0.0	37.0	185.0	110.0	212.0	11.0	37.0	5.0	0.0	597.7
1938	0.0	0.5	44.0	0.0	139.0	96.0	88.0	1.0	6.0	42.0	5.0	0.0	421.5
1939	0.0	0.0	0.0	0.0	48.0	268.0	24.0	150.0	24.0	63.0	0.0	19.0	596.0
1940	0.0	27.0	0.0	10.0	57.0	182.0	332.0	6.0	52.0	54.0	2.0	0.0	722.0
1941	0.0	3.0	18.0	72.0	179.0	248.0	390.0	275.0	0.0	0.0	25.0	0.0	1210.0
1942	0.0	0.0	2.0	0.0	48.0	79.0	178.0	192.0	8.0	55.0	23.0	0.0	585.0
1943	0.0	0.0	16.0	4.0	74.0	104.0	50.0	123.0	21.0	3.0	0.0	0.0	395.0
1944	0.0	3.0	0.0	52.0	55.0	375.0	51.0	316.0	9.0	68.0	0.0	0.0	929.0
1945	0.0	94.0	11.0	15.0	3.5	3.0	20.0	144.0	24.0	18.0	0.0	0.0	332.5
1946	12.0	0.0	0.0	12.0	41.0	113.0	21.0	62.0	2.0	6.0	0.0	0.0	269.0
1947	0.0	0.0	0.0	0.0	16.0	117.0	143.0	28.0	2.0	35.0	0.0	0.0	341.0
1948	0.0	0.0	1.0	78.0	131.0	51.0	253.0	17.0	14.0	1.0	0.0	0.0	546.0
1949	0.0	0.0	5.0	0.0	186.0	63.0	50.0	30.0	4.0	0.0	0.0	10.0	348.0
1950	0.0	0.0	0.0	78.0	181.0	46.0	0.0	76.0	68.0	11.0	20.0	0.0	480.0
1951	0.0	0.0	0.0	22.0	70.0	287.0	246.0	8.0	15.0	0.0	0.0	0.0	648.0
1952	0.0	0.0	0.0	0.0	136.0	205.0	196.0	10.3	-1.0	-1.0	0.0	0.0	-1.0
1953	8.0	0.0	0.0	40.0	208.0	49.0	103.0	299.0	221.0	3.0	0.0	0.0	931.0
1954	0.0	0.0	0.0	89.0	85.0	279.5	86.5	28.5	12.0	0.0	0.0	0.0	580.5
1955	0.0	0.0	0.0	13.5	40.5	74.1	3.0	29.0	6.0	3.0	0.0	8.0	177.1
1956	14.5	0.0	35.5	12.0	35.0	45.5	134.0	134.5	-1.0	0.0	0.0	0.0	-1.0
1957	0.0	0.0	0.0	0.0	300.0	14.0	186.5	59.0	35.0	7.5	0.0	-1.0	-1.0
1958	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
MIN	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	65.8
MAX	75.0	94.0	44.0	123.0	517.7	847.8	411.6	413.0	221.0	90.0	81.8	30.0	1492.6
PROM	3.4	3.5	4.7	21.7	115.9	178.3	131.0	105.5	36.7	16.4	5.8	2.7	631.1
DESV	12.0	14.8	10.0	30.5	123.8	160.2	113.0	108.0	47.3	22.4	14.6	6.6	302.3
CV	3.5	4.3	2.1	1.4	1.1	0.9	0.9	1.0	1.3	1.4	2.5	2.4	0.5
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

60

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 4

HOYA 120 ACONCAGUA MAIPO

SUP 2432 (KM2)

EST 18 CASA BLANCA

LAT 2319 LON 7125 ALT 230 (MTS)

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

61.

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 4 HOYA 120 ACONCAGUA MAIPO SUP 2432 (KM2)

EST 19 POZO OSCURO

LAT 3319 LON 7136

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1936	0.0	0.0	0.0	25.0	155.0	48.0	134.0	110.0	5.0	2.0	0.0	10.0	495.0
1937	0.0	3.0	0.0	0.0	57.0	105.0	91.0	106.0	21.0	23.0	8.0	0.0	414.0
1938	0.0	6.0	42.0	0.0	67.0	58.0	40.0	7.0	2.0	34.0	10.0	0.0	266.0
1939	0.0	0.0	0.0	0.0	74.0	123.0	10.0	85.0	26.0	45.0	0.0	25.0	388.0
1940	0.0	30.0	0.0	13.0	59.0	148.0	237.0	14.0	23.0	24.0	6.0	0.0	554.0
1941	0.0	5.0	28.0	55.0	122.0	117.0	289.0	235.0	0.0	0.0	47.0	0.0	898.0
1942	0.0	0.0	0.0	0.0	1.0	82.0	125.0	169.0	8.0	32.0	27.0	0.0	484.0
1943	0.0	0.0	17.0	3.0	34.0	46.0	38.0	72.0	25.0	6.0	0.0	0.0	241.0
1944	0.0	8.0	0.0	21.0	53.8	234.0	27.5	192.8	6.0	41.0	0.0	0.0	584.1
1947	0.0	0.0	0.0	10.5	21.7	93.1	77.0	37.0	8.0	22.0	0.0	0.0	269.3
1948	0.0	0.0	0.0	95.9	121.5	71.5	244.8	17.1	17.5	11.0	0.0	0.0	579.3
1949	0.0	0.0	17.5	0.0	203.5	136.5	59.5	43.5	11.5	0.0	0.0	6.0	478.0
MIN	0.0	0.0	0.0	0.0	1.0	46.0	10.0	7.0	0.0	0.0	0.0	0.0	241.0
MAX	0.0	30.0	42.0	95.9	203.5	234.0	289.0	235.0	26.0	45.0	47.0	25.0	898.0
PROM	0.0	4.3	8.7	18.6	80.8	105.2	114.4	90.7	12.8	20.0	8.2	3.4	470.9
DESV	0.0	8.6	14.2	29.3	58.8	52.8	94.3	74.9	9.3	16.1	14.6	7.5	181.0
CV	-1.0	2.0	1.6	1.6	0.7	0.5	0.8	0.8	0.7	0.8	1.8	2.2	0.4

\*\*\*\*\*

62.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 4 HOYA 120 ACONCAGUA MAIPO SUP 2432 (KM2)  
 EST 20 HDA SAN JERONIMO  
 LAT 3322 LON 7131  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1946	-1.0	-1.0	-1.0	7.5	42.0	79.7	34.2	41.0	6.5	-1.0	-1.0	-1.0	-1.0
1947	0.0	0.0	0.0	12.5	23.2	96.2	93.6	39.8	10.5	29.5	0.0	0.0	305.3
1948	0.0	0.0	0.0	61.5	81.3	63.5	272.2	19.4	16.7	8.0	0.0	0.0	522.6
1949	0.0	0.0	16.7	0.0	204.9	71.3	31.2	33.5	0.0	0.0	0.0	21.2	378.8
1950	0.0	0.0	4.4	122.1	192.4	35.7	5.7	79.1	32.7	23.4	24.3	0.0	519.8
1951	0.0	0.0	0.0	23.2	75.9	194.6	187.1	12.0	26.4	0.0	0.0	0.0	518.6
1952	0.0	0.0	0.0	0.0	170.9	169.9	116.5	15.4	12.7	-1.0	0.0	0.0	-1.0
1953	7.5	0.0	0.0	32.5	118.5	100.0	220.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1954	0.0	0.0	0.0	79.7	80.5	213.7	72.0	30.8	13.3	0.0	0.0	0.0	490.0
1955	0.0	0.0	0.0	5.5	57.5	85.4	16.0	65.5	8.5	7.5	0.0	22.5	268.4
1956	41.5	0.0	55.5	34.0	32.4	27.8	124.2	115.3	15.0	0.0	0.0	0.0	445.7
1957	0.0	0.0	0.0	0.0	235.3	17.2	117.8	22.5	21.5	3.0	0.0	39.0	456.3
1958	0.0	0.0	0.0	0.0	194.5	120.0	6.5	89.0	36.0	0.0	0.0	0.0	446.0
1959	11.3	0.0	10.5	31.3	29.2	197.0	163.1	73.5	10.5	8.5	0.0	0.0	534.9
1960	0.0	0.0	0.0	0.0	42.5	143.5	52.7	38.0	0.0	11.5	0.0	0.0	288.2
1961	22.0	0.0	7.7	0.0	33.0	258.5	75.3	110.4	75.1	-1.0	-1.0	-1.0	-1.0
1962	0.0	0.0	20.6	0.0	5.7	186.1	8.5	40.2	9.5	10.4	0.0	0.0	281.0
1963	0.0	0.0	9.3	0.0	39.7	52.4	245.2	178.3	136.0	0.0	10.1	0.0	666.5
1964	0.0	0.0	0.0	27.0	0.0	-1.0	58.0	97.2	0.0	1.5	3.3	10.1	-1.0
1965	0.0	0.0	0.0	11.2	49.6	30.2	346.9	416.3	5.3	38.3	5.8	0.0	903.6
1966	0.0	0.0	0.0	44.5	15.9	347.2	141.7	48.9	-1.0	0.0	0.0	23.2	-1.0
1967	0.0	0.0	0.0	4.4	42.0	53.0	190.0	28.0	4.0	0.0	0.0	0.0	365.4
MIN	0.0	0.0	0.0	0.0	0.0	17.2	5.7	12.0	0.0	0.0	0.0	0.0	268.4
MAX	41.5	0.0	55.5	122.1	235.3	347.2	346.9	416.3	136.0	38.3	24.3	39.0	903.6
PROM	3.9	0.0	5.9	22.6	80.3	121.1	117.2	75.9	22.0	7.9	2.3	6.1	461.9
DESV	10.2	0.0	12.9	31.4	72.0	86.9	95.1	88.2	31.9	11.4	6.0	11.6	162.3
CV	2.6	-1.0	2.2	1.4	0.9	0.7	0.8	1.2	1.4	1.5	2.6	1.9	0.4

63.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZCNA 4 FOYA 120 ACONCAGUA MAIPO SUP 2432 (KM2)  
 EST 23 LAGUNILLAS CASABLANCA  
 LAT 3328 LON 7128

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1938	-1.0	-1.0	-1.0	-1.0	-1.0	73.0	55.0	9.0	1.0	36.0	11.0	0.0	-1.0
1939	0.0	0.0	0.0	0.0	41.0	162.0	28.0	86.0	23.0	58.0	1.0	21.0	420.0
1940	0.0	30.0	0.0	10.0	47.0	159.0	310.0	11.0	21.0	42.0	4.0	0.0	634.0
1941	0.0	3.0	33.0	42.0	223.0	117.0	274.0	216.0	0.2	0.0	31.0	0.0	939.2
1942	0.0	0.0	0.0	0.0	-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	41.0	73.0	28.0	9.0	0.2	0.0	1.0	0.0	420.0
MAX	0.0	30.0	33.0	42.0	223.0	162.0	310.0	216.0	23.0	58.0	31.0	21.0	939.2
PROM	0.0	8.3	8.3	13.0	103.7	127.8	166.8	80.5	11.3	34.0	11.8	5.3	664.4
DESV	0.0	14.6	16.5	19.9	103.4	41.9	145.8	97.2	12.4	24.5	13.5	10.5	260.9
CV	-1.0	1.8	2.0	1.5	1.0	0.3	0.9	1.2	1.1	0.7	1.1	2.0	0.4

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 4 HOYA 120 ACONCAGUA MAIPO SUP 2432 (KM2)  
 EST 24 EL PERAL FDC  
 LAT 3330 LON 7135 ALT 20 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1927	0.0	0.0	0.0	0.0	171.0	193.3	91.2	21.1	96.4	11.7	4.0	0.0	589.3
1928	0.0	5.5	0.6	94.1	144.0	174.0	88.5	19.1	12.2	5.0	1.7	0.0	544.7
1929	17.0	0.0	0.0	0.0	75.0	109.0	16.0	202.0	37.0	8.0	0.0	2.0	466.0
1930	0.0	0.0	0.0	50.0	19.0	155.0	162.0	196.0	16.0	65.0	23.0	0.0	686.0
1931	15.0	0.0	0.0	17.0	22.0	100.0	111.0	101.0	54.0	0.0	0.0	0.0	420.0
1932	0.0	0.0	0.0	5.0	46.0	145.0	113.0	112.0	18.0	0.0	0.0	11.0	450.0
1933	40.0	2.0	0.0	0.0	48.0	123.0	55.0	53.0	11.0	22.0	0.0	0.0	354.0
MIN	0.0	0.0	0.0	0.0	19.0	100.0	16.0	19.1	11.0	0.0	0.0	0.0	354.0
MAX	40.0	5.5	0.6	94.1	171.0	193.3	162.0	202.0	96.4	65.0	23.0	11.0	686.0
PROM	10.3	1.1	0.1	23.7	75.0	142.8	91.0	100.6	34.9	16.0	4.1	1.9	501.4
DESV	15.1	2.1	0.2	35.9	59.8	34.3	46.3	76.1	31.3	22.9	8.5	4.1	112.5
CV	1.5	2.0	2.6	1.5	0.8	0.2	0.5	0.8	0.9	1.4	2.1	2.2	0.2

\*\*\*\*\*

NOTA: VALERES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 4 HOYA 120 ACONCAGUA MAIPO SUP 2432 (KM2)

EST 25 EL TABO E A P  
LAT 3327 LON 7138

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1954	-1.0	-1.0	-1.0	-1.0	-1.0	89.6	88.6	32.2	3.2	0.7	0.0	0.0	-1.0
1955	0.0	0.0	0.0	10.3	16.2	72.9	11.1	58.4	11.0	10.5	0.0	10.8	196.2
1956	14.6	0.0	59.6	24.6	34.6	29.0	134.1	90.7	15.0	0.0	0.0	0.0	402.2
1957	4.2	0.0	0.0	0.0	228.5	11.2	83.4	35.9	15.6	0.0	0.0	31.8	410.6
1958	0.0	0.0	0.0	0.0	180.0	69.9	9.0	89.7	58.5	0.0	0.0	0.0	407.1
1959	10.3	0.0	9.3	63.6	18.6	121.3	82.9	63.0	9.2	26.6	0.0	0.0	405.6
1960	0.0	0.0	0.0	0.0	96.0	151.8	69.0	34.7	10.5	22.2	0.0	0.0	324.2
1961	19.5	0.0	8.9	0.0	26.0	157.6	81.6	67.0	88.7	2.8	0.0	0.0	452.1
1962	0.0	0.0	9.4	0.0	4.1	118.7	3.8	49.4	9.9	15.9	0.0	0.0	211.2
1963	0.0	0.0	14.3	0.0	42.0	36.0	126.1	97.0	96.3	0.0	8.6	0.0	420.9
1964	0.0	0.0	0.0	10.2	0.0	84.0	55.4	68.6	0.0	0.0	9.1	7.7	235.0
1965	0.0	0.0	0.0	9.9	40.3	11.0	279.2	210.6	1.3	27.0	7.4	2.1	588.8
1966	0.0	0.0	0.0	63.4	13.9	222.0	89.5	43.0	1.6	2.8	0.0	16.0	452.2
1967	0.0	0.0	0.0	0.0	38.0	20.0	61.0	14.0	15.0	0.0	4.1	0.0	152.1
1968	0.0	0.0	0.0	5.9	0.0	10.1	7.8	22.1	11.0	0.0	3.9	0.0	60.8
MIN	0.0	0.0	0.0	0.0	0.0	10.1	3.8	14.0	0.0	0.0	0.0	0.0	60.8
MAX	19.5	0.0	59.6	63.6	228.5	222.0	279.2	210.6	96.3	27.0	9.1	31.8	588.8
PROM	3.5	0.0	7.2	13.4	48.4	80.3	78.8	64.8	23.1	7.2	2.2	4.6	337.1
DESV	6.5	0.0	15.9	22.3	68.3	64.0	69.1	47.6	31.4	10.4	3.5	9.0	144.9
CV	1.9	-1.0	2.2	1.7	1.4	0.8	0.9	0.7	1.4	1.4	1.6	2.0	0.4

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 4 HOYA 120 ACONCAGUA MAIPO SUP 2432 (KM2)  
 EST 26 PTA PANUL SN ANTONIO  
 LAT 3334 LON 7138 ALT 63 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1918	0.0	0.0	3.0	46.0	25.0	176.0	40.0	34.0	114.0	0.0	28.0	0.0	466.0
1919	0.0	0.0	1.0	85.0	319.0	125.0	170.0	33.0	29.0	9.0	0.0	2.0	773.0
1920	0.0	0.0	0.0	0.0	186.0	68.0	19.0	13.0	6.0	11.0	5.0	3.0	311.0
1921	2.0	0.0	6.0	31.0	331.0	102.0	5.0	35.0	0.0	8.0	2.0	0.0	522.0
1922	0.0	0.0	1.0	3.0	22.0	293.0	93.0	115.0	46.0	34.0	0.0	0.0	607.0
1927	0.0	0.0	0.0	1.0	183.0	62.0	95.0	53.0	67.0	3.0	5.0	0.0	469.0
1928	0.0	0.0	0.0	91.0	19.7	155.0	28.0	18.0	10.0	1.0	4.0	0.0	504.0
1929	18.0	0.0	2.0	0.0	78.0	104.0	17.0	189.0	34.0	9.0	0.0	5.0	456.0
1930	0.0	0.0	0.0	43.0	14.0	194.0	181.0	183.0	20.0	65.0	31.0	5.0	136.0
1931	21.0	0.3	0.0	3.0	27.0	118.0	101.0	93.0	43.0	2.0	3.0	0.0	411.0
1932	0.0	0.0	4.0	6.0	45.0	155.0	137.0	112.0	11.0	0.0	1.0	18.0	489.0
1933	68.0	5.0	0.0	0.0	60.0	135.0	69.0	50.0	15.0	16.0	0.0	0.0	418.0
1934	0.0	0.0	0.0	0.0	165.0	255.0	4.0	6.0	4.0	17.0	7.0	0.0	458.0
1935	0.0	0.0	0.0	2.0	28.0	92.0	54.0	24.0	13.0	30.0	4.0	0.0	247.0
1939	0.4	0.0	0.4	0.0	27.0	207.0	5.0	108.0	14.0	26.0	0.2	18.0	406.0
1940	0.0	31.0	0.0	21.0	36.0	166.0	275.0	6.0	31.0	62.0	3.0	4.0	635.0
1941	0.0	6.0	49.0	37.0	196.0	115.0	236.0	198.0	1.0	7.0	18.0	0.0	863.0
1942	0.0	0.0	6.0	0.0	42.0	87.0	99.0	77.0	1.0	15.0	16.0	0.0	343.0
1943	0.0	0.0	8.0	4.0	66.0	134.0	71.0	96.0	30.0	1.0	0.0	2.0	412.0
1944	2.0	0.1	0.1	27.0	32.4	232.2	24.1	191.2	5.6	50.5	0.0	0.0	565.2
1945	0.0	43.2	14.3	5.0	3.2	0.0	16.6	46.4	14.8	2.4	1.2	0.0	147.1
1946	15.1	0.3	0.0	3.0	46.2	84.1	26.6	26.4	4.4	6.7	0.4	0.0	213.2
1947	0.0	0.0	0.4	9.2	16.4	87.7	78.7	23.5	6.3	28.5	0.0	0.0	250.7
1948	0.0	0.0	0.0	50.9	80.6	27.1	174.5	17.7	11.6	0.0	0.0	0.0	362.4
1949	0.0	0.0	8.4	0.0	160.5	68.4	33.5	27.5	0.3	0.0	0.0	7.0	325.6
1950	0.0	0.0	2.7	107.4	155.5	58.5	1.9	66.0	56.4	6.4	24.3	0.0	479.1
1951	0.0	0.1	0.0	13.3	61.1	181.1	251.1	12.6	19.7	0.0	2.7	0.0	542.1
1952	0.0	0.0	1.7	0.0	117.7	187.6	108.8	13.0	8.0	7.8	0.0	0.0	444.6
1953	3.0	0.0	0.0	26.0	152.3	48.1	68.0	157.3	161.3	6.5	0.0	0.0	625.7
1954	0.0	0.0	0.0	59.7	41.2	117.5	77.0	40.2	8.6	1.8	0.0	3.2	346.0
1955	0.0	0.0	0.0	12.5	26.6	82.8	10.7	48.6	15.6	6.7	0.0	4.2	207.7
1956	14.8	0.0	55.2	28.2	48.3	25.2	132.5	58.0	10.2	0.0	0.2	0.0	372.6
1957	0.0	0.0	0.0	3.4	218.6	20.3	93.4	17.2	14.6	1.2	0.0	29.0	397.9
1958	0.0	0.0	0.0	1.5	98.7	127.7	5.0	92.4	71.1	0.0	0.5	0.0	396.8
1959	9.0	0.0	24.0	74.0	29.0	104.0	56.0	47.0	8.5	26.0	0.0	0.0	377.5
1960	0.0	0.0	0.0	0.6	34.5	154.0	100.0	31.2	7.5	14.5	0.0	0.0	342.3
1961	17.0	0.0	15.0	0.0	41.5	123.4	91.2	62.9	111.3	0.5	0.0	0.0	462.8
1962	0.0	0.0	9.5	1.0	6.0	112.8	7.3	62.6	12.4	19.4	0.0	0.0	231.0
1963	0.0	0.0	16.0	0.0	64.1	0.0	139.8	108.6	121.3	0.0	12.8	0.0	462.8
1964	0.6	0.0	0.0	0.8	9.2	60.9	82.0	97.9	4.5	2.0	0.0	6.3	264.2
1965	0.0	0.0	0.0	23.7	69.0	14.6	391.6	313.9	4.0	44.2	13.5	7.0	881.5
1966	0.0	0.0	1.4	79.9	25.5	287.2	275.6	43.8	0.0	9.1	0.3	25.7	748.5
1967	0.0	0.0	0.7	4.3	83.0	42.0	147.0	23.0	24.0	1.7	3.8	0.0	329.5
1968	0.0	0.0	3.5	1.7	0.0	23.5	9.4	17.2	25.2	0.0	7.5	0.0	88.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	1.9	6.0	0.0	0.0	0.0	0.0	88.0
MAX	68.0	43.2	55.2	107.4	331.0	293.0	391.6	313.9	161.3	65.0	31.0	29.0	881.5
PROM	3.9	2.0	5.3	20.6	79.3	113.0	93.2	70.2	27.6	12.5	4.4	3.2	427.1
DESV	11.4	8.0	11.6	29.1	79.9	72.9	88.0	65.2	36.5	16.7	7.8	6.7	178.1
CV	2.9	4.1	2.2	1.4	1.0	0.6	0.9	0.9	1.3	1.3	1.8	2.1	0.4

67

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZCNA 4 HOYA 120 ACONCAGUA MAIPO SUP 2432 (KM2)  
 EST 27 SAN JUAN DE LLO LLEO  
 LAT 3334 LON 7138  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	0.0	0.0	17.0	0.0	64.0	-1.0	142.0	143.0	109.0	1.0	18.0	0.0	-1.0
1964	0.0	0.0	0.0	13.0	0.0	61.0	73.0	105.0	0.0	0.0	14.0	7.0	273.0
1965	0.0	0.0	0.0	22.0	47.0	20.0	362.0	-1.0	-1.0	-1.0	8.0	-1.0	-1.0
1966	0.0	0.0	0.0	52.0	19.0	293.0	93.0	63.0	8.0	11.0	0.0	17.0	556.0
1967	0.0	0.0	0.0	6.7	50.0	35.0	128.0	20.0	12.0	-1.0	7.5	0.0	-1.0
1968	-1.0	-1.0	0.0	0.6	0.0	9.0	0.6	20.3	9.8	0.0	5.7	8.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	9.0	0.6	20.0	0.0	0.0	0.0	0.0	273.0
MAX	0.0	0.0	17.0	52.0	64.0	293.0	362.0	143.0	109.0	11.0	18.0	17.0	556.0
PROM	0.0	0.0	2.8	15.7	30.0	83.6	133.1	70.3	27.8	3.0	8.9	4.8	414.5
DESV	0.0	0.0	6.9	19.6	27.4	118.7	122.7	53.8	45.6	5.4	6.3	7.5	200.1
CV	-1.0	-1.0	2.4	1.2	0.9	1.4	0.9	0.8	1.6	1.8	0.7	1.6	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 4 HOYA 120 ACONCAGUA MAIPO SUP 2432 (KM2)  
 EST 28 VALPG PTA ANGELES  
 LAT 3301 LON 7138 ALT 41 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1869	0.0	0.0	39.0	0.0	65.0	12.0	34.0	37.0	1.0	15.0	0.0	0.0	203.0
1870	0.0	0.0	40.0	0.0	53.0	290.0	145.0	0.0	0.0	17.0	12.0	0.0	557.0
1871	0.0	0.0	22.0	1.0	118.0	102.0	104.0	32.0	17.0	10.0	0.0	0.0	406.0
1872	0.0	0.0	5.0	0.0	56.0	2.0	13.0	93.0	55.0	0.0	0.0	0.0	224.0
1873	0.0	1.6	0.0	12.4	6.1	122.8	68.5	145.2	19.7	0.0	0.0	28.3	404.6
1874	0.0	0.0	-1.0	-1.0	47.9	158.9	18.5	29.3	32.1	35.1	35.9	0.0	-1.0
1875	0.0	0.0	5.0	0.0	78.3	47.8	12.1	32.3	12.3	0.0	10.1	0.0	197.9
1877	0.0	6.7	0.0	185.7	87.5	25.7	345.1	10.9	108.2	63.3	0.0	0.0	833.1
1878	0.0	6.4	9.8	19.1	103.9	247.7	27.7	50.4	0.0	0.0	3.2	0.0	468.2
1879	0.0	0.0	0.4	0.0	78.4	102.3	45.1	46.8	0.0	0.0	0.0	0.0	273.0
1880	0.0	0.0	0.4	36.8	33.8	268.5	301.7	81.7	12.4	5.7	0.0	0.0	741.0
1881	0.0	0.0	0.0	20.0	41.3	77.4	106.0	56.6	21.3	8.2	8.6	0.0	339.4
1886	0.0	0.0	52.9	0.0	30.5	69.3	7.6	40.2	3.2	1.4	5.0	10.0	220.1
1899	0.0	0.0	14.7	0.0	17.5	304.0	243.9	324.3	0.0	0.0	0.0	0.0	904.4
1900	0.0	0.0	78.7	2.0	152.9	189.3	415.3	147.1	2.0	53.0	0.0	0.0	1040.3
1901	0.0	0.0	0.0	1.7	37.8	125.0	47.4	166.4	0.9	18.2	0.0	0.0	397.4
1902	0.0	0.0	6.0	0.5	64.8	208.4	203.5	10.1	4.2	0.0	55.9	0.0	553.4
1903	0.0	0.0	0.0	15.6	36.0	170.3	65.4	7.9	0.0	0.0	0.0	1.6	296.8
1904	0.3	0.0	21.8	15.0	322.3	149.9	251.7	64.8	32.0	0.8	0.0	14.3	872.9
1905	0.0	0.0	18.0	3.1	300.0	154.1	300.9	71.3	46.7	2.2	0.0	0.0	896.3
1906	0.0	3.0	0.0	1.6	131.1	43.3	49.3	126.4	4.4	0.8	0.0	0.0	359.9
1907	0.0	0.0	0.0	6.5	47.0	206.2	100.0	19.5	66.0	0.0	0.0	14.4	459.6
1908	0.0	0.0	0.0	33.9	54.4	71.7	17.5	49.3	9.5	0.0	0.0	0.0	236.3
1909	0.0	0.0	0.5	1.8	1.8	218.0	15.6	48.1	26.0	9.5	4.1	1.0	326.4
1910	0.0	0.0	3.5	35.5	14.2	134.6	141.8	46.9	7.4	1.6	9.0	0.0	394.5
1911	0.0	0.5	0.1	9.1	48.8	102.7	27.9	30.3	34.7	0.0	0.0	25.2	279.3
1912	0.0	0.1	0.2	16.7	220.5	127.0	10.8	100.9	28.5	2.0	0.0	0.5	507.2
1913	0.3	0.0	0.0	2.1	38.7	53.7	118.2	25.5	53.6	0.7	0.2	0.3	293.3
1914	0.0	0.0	0.0	1.8	145.4	350.8	279.4	133.9	175.4	105.1	55.1	0.1	1247.0
1915	0.0	0.1	0.0	23.5	290.7	99.2	23.5	14.2	2.2	3.8	0.0	0.0	457.2
1916	6.0	0.3	18.8	15.7	17.9	3.6	46.0	16.9	52.5	2.2	65.9	0.2	246.0
1917	0.4	0.0	0.0	10.5	72.6	168.3	8.5	18.0	80.4	0.6	0.1	0.3	359.7
1918	0.0	0.0	2.3	64.1	29.8	184.9	41.4	37.8	112.6	2.1	16.6	0.2	491.8
1919	2.2	0.0	0.0	102.4	419.7	197.0	120.1	53.4	41.8	6.2	0.2	0.2	943.2
1920	0.6	0.0	0.0	0.3	194.1	47.7	26.1	10.2	2.5	4.7	4.5	0.5	291.2
1921	0.0	0.0	7.5	37.8	452.0	137.0	10.6	43.1	9.0	9.2	0.4	0.2	707.6
1922	0.0	0.0	0.0	4.6	28.0	352.8	72.4	137.4	68.0	35.9	1.4	0.0	700.5
1923	0.0	0.0	0.0	0.0	0.5	133.1	223.6	124.9	1.3	17.7	1.7	3.1	505.9
1924	0.0	0.0	8.3	0.0	0.0	14.7	10.0	25.2	1.8	0.8	1.0	0.0	61.8
1925	0.0	3.6	0.0	30.0	28.9	36.0	124.9	1.9	129.7	26.8	0.0	0.0	381.8
1926	0.0	1.1	12.2	0.8	110.9	458.3	196.6	76.5	22.6	0.0	0.0	0.0	879.0
1927	0.0	0.0	0.3	0.0	166.7	184.3	99.4	27.4	65.1	0.6	3.2	0.0	547.0
1928	0.0	0.0	0.0	58.4	153.0	128.3	119.5	3.8	10.5	4.7	2.2	0.5	480.9
1929	21.0	0.0	0.0	0.0	61.0	80.0	12.0	198.0	35.0	1.0	0.0	15.0	423.0
1930	0.0	0.0	0.0	90.0	26.0	109.0	100.0	248.0	6.0	43.0	17.0	0.0	639.0
1931	13.0	2.0	0.0	8.0	16.0	147.0	119.0	118.0	46.0	0.3	1.0	0.0	470.3
1932	0.3	1.0	3.0	6.0	81.0	127.0	137.0	116.0	9.0	0.0	0.0	18.0	498.3
1933	42.0	3.0	0.0	0.4	28.0	70.0	56.0	66.0	15.0	13.0	0.0	0.0	293.4
1934	0.0	0.2	0.0	0.3	187.0	254.0	11.0	2.0	10.0	15.0	7.0	0.0	486.5
1935	0.0	0.0	0.0	0.0	52.0	152.0	29.0	42.0	25.0	24.0	1.0	0.0	325.0

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1936	0.0	4.0	1.0	18.0	170.0	28.0	111.0	74.0	16.0	4.0	0.0	13.0	439.0
1937	0.8	0.6	0.5	0.0	35.0	81.0	103.0	122.0	13.0	33.0	3.0	0.0	391.9
1938	0.0	2.0	40.0	0.0	69.0	70.0	67.0	2.0	0.4	36.0	3.0	0.0	289.4
1939	0.0	0.0	0.0	0.0	23.0	131.0	52.0	60.0	30.0	61.0	0.0	25.0	382.0
1940	0.0	30.0	0.0	3.0	27.0	150.0	242.0	6.0	31.0	37.0	3.0	0.0	529.0
1941	0.0	0.0	16.0	51.0	141.0	143.0	279.0	148.0	0.0	0.0	18.0	0.0	796.0
1942	0.0	0.0	1.0	0.0	42.0	85.0	93.0	97.0	6.0	26.0	45.0	2.0	397.0
1943	0.0	0.0	21.0	1.0	49.0	91.0	69.0	67.0	15.0	13.0	0.2	1.0	327.2
1944	1.0	1.0	0.0	19.0	47.6	258.9	32.5	179.7	10.2	53.1	0.0	1.0	604.0
1945	0.0	30.0	9.0	6.6	2.8	0.0	15.2	92.7	12.8	25.5	0.0	0.0	194.6
1946	2.2	0.0	0.0	8.6	34.5	108.0	18.1	35.3	9.8	4.6	0.0	1.5	222.6
1947	1.0	0.0	0.2	5.5	5.2	125.6	122.2	32.0	3.2	22.1	0.0	0.0	317.0
1948	0.0	0.2	0.8	54.6	100.2	25.8	125.0	21.8	4.0	4.0	0.2	0.0	336.6
1949	0.6	0.0	13.0	3.4	105.7	68.0	36.0	27.4	0.4	0.0	0.3	0.4	255.2
1950	0.0	0.0	3.0	73.0	147.5	35.5	2.5	39.4	25.9	10.0	21.6	0.0	358.4
1951	0.0	0.0	0.0	19.2	43.4	163.8	182.4	8.8	9.5	0.0	2.7	0.0	429.8
1952	0.8	0.0	0.0	0.0	150.4	102.2	72.7	5.3	7.2	11.5	0.0	0.0	350.1
1953	0.2	0.0	0.0	31.1	143.3	53.1	45.3	137.8	73.2	4.9	0.0	0.0	488.9
1954	0.0	0.0	0.1	76.1	69.5	143.4	73.4	17.7	12.4	0.2	0.0	0.0	392.8
1955	0.0	0.0	0.0	11.5	59.5	96.5	12.2	60.4	6.8	4.7	0.0	4.0	255.6
1956	9.0	0.0	22.7	19.3	32.6	24.3	90.9	70.2	12.1	0.0	0.0	0.3	281.4
1957	0.0	0.0	0.0	0.0	185.0	33.6	146.0	37.4	22.1	4.4	0.0	32.6	461.1
1958	0.0	0.0	0.0	0.0	93.0	168.0	10.8	90.4	32.6	0.0	0.0	0.0	394.8
1959	6.3	0.2	11.4	16.0	13.0	69.2	55.2	47.3	11.4	3.8	0.0	0.3	234.1
1960	0.2	0.0	0.0	0.0	30.1	104.0	31.8	26.3	2.8	13.4	0.0	0.0	208.6
1961	5.4	0.0	1.0	0.0	60.3	181.2	53.0	99.4	39.6	1.0	0.0	1.1	442.0
1962	0.0	0.0	21.4	2.0	4.1	155.4	14.2	15.5	4.2	11.5	0.0	0.0	228.3
1963	0.0	0.0	4.1	0.0	13.4	38.5	139.7	100.8	146.9	0.0	9.5	0.0	452.9
1964	1.0	0.0	0.0	13.0	0.0	66.0	57.0	89.0	0.0	0.0	5.0	10.0	241.0
1965	0.0	0.0	0.0	12.0	73.0	10.0	360.0	324.0	0.0	24.0	9.0	0.0	812.0
1966	0.0	0.0	1.0	50.0	16.0	222.0	102.0	35.0	0.0	2.8	18.0	20.0	466.8
1967	0.0	0.0	0.0	0.0	30.0	32.0	141.0	19.0	52.0	0.0	0.0	0.0	274.0
1968	0.0	0.0	0.0	3.0	0.0	36.6	6.0	23.6	19.8	0.0	0.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	61.8
MAX	42.0	30.0	78.7	185.7	452.0	458.3	415.3	324.3	175.4	105.1	65.9	32.6	1247.0
PROM	1.4	1.2	6.6	16.7	82.7	124.3	97.2	67.7	25.9	11.7	5.6	3.0	449.1
DESV	5.4	4.7	13.4	29.2	89.2	88.6	93.6	65.4	34.5	18.4	12.9	7.2	222.9
CV	3.9	4.0	2.0	1.7	1.1	0.7	1.0	1.0	1.3	1.6	2.3	2.4	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 4 HOYA 120 ACONCAGUA MAIPO SUP 2432 (KM2)  
 EST 30 FDO HUALLILEMU  
 LAT 3323 LON 7140  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1948	-1.0	-1.0	-1.0	62.8	80.4	44.4	230.9	19.3	12.1	-1.0	0.0	0.0	-1.0
1949	0.0	0.0	14.4	0.0	288.3	65.5	37.6	25.4	0.0	0.0	0.0	18.3	449.5
1950	0.0	0.0	2.1	110.2	154.6	71.7	2.7	70.0	47.3	12.0	26.8	0.0	497.4
1951	0.0	0.0	0.0	14.1	67.6	228.1	277.7	11.2	24.8	0.0	6.6	0.0	630.1
1952	0.0	0.0	0.0	0.0	153.1	166.9	141.9	21.0	9.9	15.7	0.0	0.0	508.5
1953	0.0	0.0	0.0	36.4	199.1	84.9	106.3	163.7	244.9	6.4	0.0	0.0	841.7
1954	0.0	0.0	0.0	0.0	67.1	46.9	130.8	65.5	42.0	3.2	0.0	0.0	356.3
1955	0.0	0.0	0.0	8.8	12.9	75.2	13.6	55.1	9.7	5.6	0.0	8.3	189.2
1956	19.5	0.0	56.6	27.1	22.4	32.2	119.9	96.7	13.4	0.0	0.0	0.0	387.8
1957	0.0	0.0	0.0	0.0	224.8	14.1	110.3	29.3	8.8	0.0	0.0	35.0	422.3
1958	0.0	0.0	0.0	0.0	181.9	132.1	0.0	105.9	61.9	6.8	0.0	0.0	488.6
1959	11.0	0.0	7.4	58.6	22.5	115.6	91.9	52.0	5.6	32.3	0.0	0.0	396.9
1960	0.0	0.0	0.0	0.0	43.8	164.2	56.4	47.8	11.8	21.2	0.0	0.0	345.2
1961	18.1	0.0	8.2	0.0	37.8	175.9	36.9	27.3	50.0	-1.0	0.0	0.0	-1.0
1962	0.0	0.0	19.6	0.0	7.0	155.0	7.5	65.5	7.1	17.2	0.0	0.0	278.9
1963	0.0	0.0	15.8	0.0	44.3	51.4	217.2	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1964	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
1965	0.0	0.0	0.0	-1.0	-1.0	-1.0	132.0	104.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	7.0	14.1	0.0	11.2	0.0	0.0	0.0	0.0	189.2
MAX	19.5	0.0	56.6	110.2	288.3	228.1	277.7	163.7	244.9	32.3	26.8	35.0	841.7
PROM	2.9	0.0	7.3	19.9	100.5	101.5	100.8	60.0	36.6	9.3	2.2	4.1	445.6
DESV	6.6	0.0	14.3	32.2	87.3	62.2	83.7	41.1	60.7	10.0	7.0	9.9	162.6
CV	2.3	-1.0	2.0	1.6	0.9	0.6	0.8	0.7	1.7	1.1	3.1	2.4	0.4

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

```

*****
PRECIPITACIONES (MM) *****
*****
ZONA 5 HOYA 121 MAIPO RAPEL SUP 1080 (KM2)
EST 1 STO DOMINGO
LAT 3337 LON 7138
*****
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
1968 0.0 0.0 3.2 10.0 0.0 24.4 8.6 37.0 24.2 0.4 0.0 0.1 107.9
*****

```

72.

PRECIPITACIONES (MM)													
ZONA	HOYA 121 MAIPO RAPEL SUP 1080 (KM2)												
EST 2 EL PEUMO HDA													
LAT 3343 LON 7139													
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1942	0.0	0.0	0.0	0.0	41.0	64.0	109.0	82.0	9.0	5.0	36.0	0.0	346.0
1943	0.0	0.0	5.0	17.0	7.6	117.0	83.0	87.0	41.0	10.0	0.0	0.0	367.6
1944	0.0	0.0	0.0	32.0	55.2	232.6	34.7	213.1	7.5	46.8	1.7	0.0	623.6
1945	0.0	44.5	4.2	23.9	8.3	3.5	37.1	74.8	26.1	16.0	4.5	0.0	242.9
1946	24.5	0.0	0.0	13.0	34.7	98.5	35.8	40.9	6.1	13.7	0.0	2.3	269.5
1947	0.0	0.0	2.0	21.5	20.4	96.6	79.0	39.7	19.0	35.0	0.0	0.0	313.2
1948	0.0	0.0	0.0	57.3	104.9	44.3	204.4	20.5	19.9	25.3	0.0	0.0	476.6
1949	0.0	0.0	5.3	0.0	203.2	68.0	32.0	26.9	3.5	0.0	0.0	19.0	357.9
1950	0.0	0.0	1.5	65.5	103.0	76.0	5.5	95.5	33.5	19.5	39.5	0.0	439.5
1951	0.0	0.0	0.0	16.0	58.5	220.0	288.0	16.5	39.5	0.0	3.0	1.5	643.0
1952	0.0	0.0	6.0	0.0	106.2	145.6	50.5	14.6	7.3	14.9	0.0	0.0	345.1
1953	1.2	0.0	0.0	17.0	246.4	36.0	115.9	151.8	173.0	9.8	0.0	0.0	751.1
1954	0.0	0.0	0.0	41.7	59.0	119.2	45.2	46.3	11.5	0.0	0.0	0.0	322.9
1955	0.0	0.0	0.0	12.9	30.0	98.3	15.2	54.1	12.0	8.9	5.8	7.5	245.5
1956	10.2	0.0	47.0	31.5	38.5	26.5	138.1	87.4	0.0	0.0	0.0	0.0	379.5
1957	0.0	0.0	0.0	0.0	169.8	35.5	109.9	31.0	12.9	0.0	0.0	20.5	379.6
1958	0.0	0.0	0.0	0.0	168.4	106.7	2.5	-1.0	-1.0	-1.0	-1.0	0.0	-1.0
MIN	0.0	0.0	0.0	0.0	7.6	3.5	2.5	14.6	0.0	0.0	0.0	0.0	242.9
MAX	24.5	44.5	47.0	65.5	246.4	232.6	288.0	213.1	173.0	46.8	39.5	20.5	751.1
PROM	2.1	2.6	4.2	20.5	85.6	93.4	81.5	67.6	26.4	12.8	5.7	3.0	406.5
DESV	6.3	10.8	11.3	19.9	72.2	62.8	75.5	53.4	41.1	13.6	12.7	6.6	147.8
CV	3.0	4.1	2.7	1.0	0.8	0.7	0.9	0.8	1.6	1.1	2.2	2.2	0.4

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 5 HCYA 121 MAIPO RAPEL SUP 1080 (KM2)

EST 3 SN ENRIQUE BUCALEMU  
 LAT 3350 LON 7145 ALT 160 (MTS)

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1928	0.0	0.0	0.0	98.9	167.5	277.3	69.5	37.7	9.5	10.9	3.7	0.0	675.0
1929	32.0	0.0	0.0	0.0	123.0	123.0	23.0	219.0	59.0	4.0	0.0	9.0	592.0
1930	0.0	0.0	0.0	105.0	8.0	234.0	285.0	200.0	17.0	89.0	29.0	35.0	1002.0
1931	41.0	2.0	0.0	24.0	61.0	124.0	214.0	174.0	84.0	5.0	7.0	0.0	736.0
1932	0.0	0.0	6.0	7.0	69.0	254.0	146.0	147.0	31.0	11.0	0.0	15.0	686.0
1933	95.0	0.0	0.0	4.0	45.0	155.0	75.0	56.0	24.0	33.0	0.0	0.0	487.0
1934	0.0	0.0	0.0	0.0	255.0	274.0	23.0	24.0	12.0	22.0	0.0	0.0	610.0
1935	0.0	0.0	0.0	10.0	67.0	139.0	82.0	83.0	24.0	41.0	7.0	0.0	453.0
1936	0.0	0.0	0.0	59.0	194.0	111.0	115.0	106.0	19.0	4.0	0.0	16.0	624.0
1937	0.0	14.0	0.0	0.0	106.0	267.0	145.0	169.0	26.0	31.0	13.0	0.0	771.0
1938	0.0	0.0	33.0	0.0	132.0	135.0	90.0	10.0	11.0	22.0	14.0	0.0	447.0
1939	0.0	0.0	0.0	0.0	50.0	227.0	7.0	141.0	23.0	54.0	0.0	0.0	502.0
1940	0.0	37.0	0.0	43.0	104.0	200.0	394.0	4.0	54.0	0.0	0.0	0.0	836.0
1941	0.0	10.0	27.0	45.0	258.0	169.0	306.0	267.0	8.0	-1.0	-1.0	-1.0	-1.0
1942	0.0	0.0	0.0	0.0	46.0	103.0	140.0	153.0	10.0	31.0	30.0	0.0	513.0
1943	0.0	0.0	12.0	26.0	98.0	136.0	110.0	94.0	101.0	4.0	0.0	0.0	581.0
1944	0.0	0.0	0.0	54.0	53.0	222.0	31.5	306.0	6.0	48.0	0.0	0.0	720.5
1945	0.0	50.0	9.0	31.0	2.0	8.6	30.6	128.0	41.0	12.0	10.0	0.0	322.2
1946	45.0	0.0	0.0	20.0	48.0	117.0	38.0	45.0	7.0	20.0	0.0	0.0	340.0
1947	0.0	0.0	0.0	10.0	30.0	207.5	110.5	33.7	17.0	31.0	0.0	0.0	439.7
1948	0.0	0.0	0.0	58.7	126.7	83.0	262.5	28.0	27.5	-1.0	-1.0	-1.0	-1.0
1949	0.0	0.0	-1.0	0.0	203.4	91.0	37.7	20.0	0.0	0.0	0.0	31.0	-1.0
1950	0.0	0.0	0.5	202.0	245.5	66.0	13.0	103.0	72.3	11.0	30.0	0.0	743.3
1951	0.0	0.0	0.0	9.5	74.5	362.0	319.0	16.0	44.0	0.0	0.0	0.0	825.0
1952	0.0	0.0	6.5	0.0	204.5	198.0	143.5	15.5	6.0	12.0	-1.0	0.0	-1.0
1953	3.5	0.0	0.0	56.0	243.0	60.0	201.5	219.0	256.5	12.0	0.0	2.0	1053.5
1954	0.0	2.0	0.0	89.5	73.0	162.0	154.0	51.5	12.5	9.5	0.0	1.0	555.0
1955	0.0	0.0	0.0	11.0	49.5	167.5	23.0	61.5	17.0	8.5	3.5	12.0	353.5
1956	15.5	2.0	112.0	44.5	62.5	54.0	182.5	166.5	16.5	12.0	0.0	0.0	668.0
1957	0.0	0.0	0.0	5.0	208.0	29.0	116.0	36.0	17.5	10.0	0.0	40.0	461.5
1958	0.0	0.0	0.0	13.5	194.0	231.5	5.0	209.5	112.0	0.0	3.5	0.0	769.0
1959	32.0	0.0	18.0	111.0	38.5	172.0	136.0	78.5	29.5	23.0	0.0	0.0	638.5
1960	0.0	0.0	3.0	0.0	37.5	136.2	102.5	44.0	14.5	23.0	0.0	0.0	360.7
1961	3.5	0.0	35.0	0.0	30.0	195.5	68.0	131.5	80.0	1.5	0.0	2.2	547.2
1962	0.0	0.0	14.0	16.0	5.0	194.5	13.0	47.0	18.0	35.5	0.0	0.0	343.0
1963	0.0	0.0	16.0	2.0	106.0	96.0	187.0	208.0	153.5	5.0	28.0	0.0	801.5
1964	0.0	0.0	0.0	8.0	0.0	134.0	119.0	154.0	0.0	0.0	11.0	8.0	434.0
1965	0.0	0.0	0.0	60.0	71.0	24.0	422.0	294.0	-1.0	20.0	-1.0	10.0	-1.0
1966	0.0	0.0	0.0	79.0	33.0	520.0	110.0	79.0	10.0	12.0	-1.0	30.0	-1.0
1967	0.0	0.0	0.0	3.0	69.0	39.0	54.0	32.0	58.0	5.0	0.0	0.0	260.0
1968	-1.0	-1.0	69.0	13.0	-1.0	77.5	17.0	27.0	38.0	0.0	0.0	0.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	8.6	5.0	4.0	0.0	0.0	0.0	0.0	260.0
MAX	95.0	50.0	112.0	202.0	258.0	520.0	422.0	306.0	256.5	89.0	30.0	40.0	1053.5
PROM	6.7	2.9	9.0	32.2	99.8	160.4	124.9	107.8	39.2	17.3	5.3	5.4	592.7
DESV	18.4	9.9	21.6	42.4	77.1	97.8	105.6	83.8	48.7	18.3	9.5	10.8	193.9
CV	2.8	3.4	2.4	1.3	0.8	0.6	0.8	0.8	1.2	1.1	1.8	2.0	0.3

74.

NOTA: VALGRES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZCNA 5 HOYA 121 MAIPO RAPEL SUP 10.80 (KM2)  
 EST 6 NAVIDAD SN ANTONIO  
 LAT 3356 LON 7153  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1964	0.0	0.0	0.5	18.0	0.0	81.0	69.0	145.0	0.0	0.0	19.0	24.0	356.5
1965	0.0	0.0	0.0	80.0	60.0	34.0	396.0	310.0	9.0	-1.0	-1.0	-1.0	-1.0
1966	0.0	0.0	0.0	42.0	39.0	334.0	102.0	96.0	14.0	21.0	3.0	35.0	686.0
1967	0.0	0.0	0.0	2.5	69.0	33.0	154.0	-1.0	50.0	9.0	10.0	0.0	-1.0
1968	0.0	0.0	0.0	7.0	0.0	64.0	13.0	34.0	39.5	0.0	7.5	0.0	165.0
MIN	0.0	0.0	0.0	2.5	0.0	33.0	13.0	34.0	0.0	0.0	3.0	0.0	165.0
MAX	0.0	0.0	0.5	80.0	69.0	334.0	396.0	310.0	50.0	21.0	19.0	35.0	686.0
PROM	0.0	0.0	0.1	29.9	33.6	109.2	146.8	146.3	22.5	7.5	9.9	14.8	402.5
DESV	0.0	0.0	0.2	31.9	32.5	127.3	148.4	118.2	21.2	9.9	6.7	17.6	263.5
CV	-1.0	-1.0	2.2	1.1	1.0	1.2	1.0	0.8	0.9	1.3	0.7	1.2	0.7

\*\*\*\*\*

71

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 5 HOYA 121 MAIPO RAPEL SUP 1 80 (KM2)  
 EST 7 QUELENTARO RADIO  
 LAT 3358 LON 7135  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1964	-1.0	-1.0	0.0	11.0	2.0	85.0	62.0	119.0	-1.0	-1.0	3.0	24.0	-1.0
1965	0.0	0.0	0.0	52.0	44.0	31.0	327.0	282.0	8.0	32.0	10.0	18.0	804.0
1966	0.0	0.0	0.0	96.0	27.0	331.0	91.0	41.0	1.1	15.0	0.3	34.0	638.4

6.



\*\*\*\*\* PRECIPITACIONES (MM) \*\*\*\*\*

ZONA 5

HOYA 121 MAIPO RAPEL  
 EST 9 LONGOVILO HDA SUP 1080 (KM2)  
 LAT 3357 LON 7126

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	0.0	0.0	5.0	1.0	6.0	176.0	14.0	68.0	9.0	27.0	0.0	0.0	306.0
1963	0.0	0.0	18.0	2.0	71.0	75.0	189.0	171.0	111.0	5.0	11.0	0.0	653.0
1964	1.0	0.0	0.0	13.0	0.0	71.0	68.0	124.0	2.0	3.0	10.0	14.0	306.0
1965	0.0	0.0	0.0	51.0	53.0	26.0	297.0	319.0	4.0	31.0	14.0	16.0	811.0
1966	0.0	0.0	0.0	95.0	19.0	345.0	107.0	58.0	7.0	6.0	2.0	30.0	669.0
1967	0.0	0.0	0.0	2.2	34.0	33.0	140.0	16.0	24.0	1.5	8.5	0.0	259.2
1968	0.0	0.0	4.3	9.4	0.0	48.2	13.0	11.7	35.9	5.6	-1.0	0.0	-1.0
MIN	0.0	0.0	0.0	1.0	0.0	26.0	13.0	11.7	2.0	1.5	0.0	0.0	259.2
MAX	1.0	0.0	18.0	95.0	71.0	345.0	297.0	319.0	111.0	31.0	14.0	30.0	811.0
PROM	0.1	0.0	3.9	24.8	26.1	110.6	118.3	109.7	27.6	11.3	7.6	8.6	500.7
DESV	0.4	0.0	6.6	35.6	27.7	114.8	101.7	108.4	38.8	12.2	5.4	11.8	237.5
CV	2.6	-1.0	1.7	1.4	1.1	1.0	0.9	1.0	1.4	1.1	0.7	1.4	0.5

7

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 5 HOYA 122 RAPEL MATAQUITO SUP 4218 (KM2)  
 EST 2 PICHILEMU  
 LAT 3424 LON 7200 ALT 500 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1906	0.0	20.0	2.0	15.0	335.0	42.0	128.0	108.0	5.0	5.0	0.0	0.0	655.0
1907	0.0	0.0	0.0	8.0	97.0	375.0	156.0	93.0	141.0	4.0	0.0	18.0	892.0
1908	0.0	0.0	0.0	19.0	72.0	90.0	39.0	63.0	121.0	7.0	8.0	0.0	419.0
1909	0.0	0.0	0.0	8.0	0.0	216.0	59.0	76.0	12.0	0.0	6.0	0.0	377.0
1910	0.0	0.0	11.0	29.0	8.0	165.0	156.0	109.0	3.0	2.0	7.0	0.0	490.0
1911	0.0	0.0	0.0	80.0	225.0	109.0	84.0	22.0	53.0	0.0	0.0	39.0	612.0
1912	0.0	4.0	0.0	82.0	239.0	133.0	12.0	147.0	32.0	7.0	2.0	0.0	658.0
1913	0.0	0.0	0.0	0.0	114.0	76.0	215.0	26.0	60.0	0.0	0.0	0.0	491.0
1939	0.0	0.0	0.0	0.0	40.0	151.0	9.0	51.0	35.0	89.0	0.0	25.0	404.0
1940	0.0	7.0	0.0	72.0	69.0	154.0	314.0	7.0	66.0	40.0	1.0	8.0	778.0
1941	0.0	7.0	25.0	43.0	89.0	119.0	212.0	139.0	2.0	12.0	30.0	1.0	679.0
1942	0.0	0.0	5.0	5.0	40.0	80.0	154.0	184.0	3.0	27.0	51.0	0.0	549.0
1943	0.0	0.0	15.0	7.0	169.0	102.0	59.0	126.0	136.0	0.0	0.0	0.0	614.0
1944	2.0	0.0	0.0	35.0	86.5	171.5	47.5	158.5	20.0	38.0	0.0	0.0	559.0
1945	0.0	39.0	14.5	4.5	18.5	0.0	79.5	82.5	35.0	4.0	71.5	0.0	349.0
1946	21.5	0.0	0.0	20.0	37.0	120.5	50.5	53.0	8.0	34.5	8.0	0.0	353.0
1947	0.0	0.0	0.0	27.0	39.0	120.0	83.0	39.5	41.0	40.5	0.0	0.0	390.9
1948	0.0	0.0	0.0	41.0	79.5	82.0	173.0	248.0	65.0	0.0	0.0	0.0	688.5
1949	0.0	0.0	8.5	0.0	182.0	132.5	19.0	25.0	10.0	0.0	0.0	24.5	401.5
1950	0.0	0.0	11.5	92.0	198.0	102.0	27.5	111.0	40.0	15.0	38.5	0.0	635.5
1951	0.0	0.0	0.0	-1.0	85.0	319.5	212.5	5.0	46.5	8.0	12.5	5.0	-1.0
1952	0.0	0.0	27.0	0.0	159.0	50.0	79.0	25.0	21.5	-1.0	-1.0	0.0	-1.0
1953	0.0	0.0	0.0	106.0	261.0	85.0	126.5	133.0	130.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	9.0	5.0	2.0	0.0	0.0	0.0	349.0
MAX	21.5	39.0	27.0	106.0	335.0	375.0	314.0	248.0	141.0	89.0	71.5	39.0	892.0
PROM	1.0	3.3	5.2	31.5	114.9	130.2	108.5	88.3	47.2	15.9	11.2	5.5	549.8
DESV	4.5	9.0	8.3	33.6	90.1	83.1	79.8	62.5	44.6	22.2	19.8	10.9	153.0
CV	4.4	2.7	1.6	1.1	0.8	0.6	0.7	0.7	0.9	1.4	1.8	2.0	0.3

78.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)  
 ZCNA 5 HCYA 122 RAPEL MATAQUITO SUP 4218 (KM2)  
 EST 3 PUMANQUE HDA PRCP 0 TIPC PV  
 LAT 3437 LCN 714C ALT 112 (MTS)

ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TCT
1932	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	44.0	195.0	92.0	32.0	1.0	8.0	-1.0
1933	3.0	0.0	0.0	0.0	12.0	2.0	27.0	182.0	10.0	57.0	42.0	40.0	1185.0
1934	0.0	0.0	0.0	2.0	12.0	0.0	21.0	137.0	78.0	9.0	10.0	0.0	711.0
1935	6.0	0.0	0.0	0.0	16.0	0.0	16.0	169.0	19.0	23.0	0.0	17.0	655.0
1936	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	17.0	27.0	0.0	2.0	552.0
1937	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	25.0	0.0	11.0	655.0
1938	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	37.0	50.0	0.0	4.0	541.0
1939	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	0.0	748.0
1940	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	24.0	23.0	0.0	0.0	481.0
1941	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.0	49.0	0.0	26.0	451.0
1942	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.0	36.0	0.0	4.0	853.0
1943	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	34.0	36.0	8.0	1004.0
1944	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	39.0	49.0	0.0	611.0
1945	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	4.0	0.0	589.0
1946	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	4.0	1.0	0.0	769.0
1947	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0	78.0	3.0	0.0	395.0
1948	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	2.0	6.0	6.0	351.0
1949	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.0	30.0	0.0	0.0	490.0
1950	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.0	4.0	0.0	6.0	607.0
1951	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	19.0	461.0
1952	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.0	19.0	4.0	0.0	625.0
1953	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.0	6.0	8.0	0.0	709.0
1954	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	1.0	0.0	0.0	482.0
1955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	177.0	252.0	19.0	11.0	569.0
1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.0	229.0	0.0	8.0	589.0
1957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	233.0	0.0	0.0	302.0
1958	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	117.0	4.0	17.0	14.0	666.0
1959	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	152.0	12.0	0.0	23.0	511.0
1960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	168.0	1.0	13.0	0.0	663.0
1961	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	39.0	0.0	0.0	741.0
1962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	33.0	0.0	0.0	406.0
1963	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	136.0	21.0	0.0	0.0	751.0
1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78.0	27.0	0.0	0.0	387.0
1965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	22.0	3.0	0.0	765.0
1966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	15.0	8.0	-1.0	-1.0
1967	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	19.0	14.0	3.0	577.0
1968	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	6.0	1.0	3.0	827.0
1969	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.0	6.0	3.0	0.0	385.0
1970	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.0	14.0	8.0	225.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	7.0	7.0	6.0	12.0	2.0	2.0	8.0	4.0	2.0	0.0	0.0	0.0	225.0
FRCM	7.0	4.0	6.0	33.0	29.0	42.0	37.0	30.0	25.0	57.0	49.0	40.0	1185.0
DESV	18.0	14.0	16.0	35.0	73.0	147.0	132.0	103.0	46.0	26.0	9.0	7.0	626.0
CV	2.0	3.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	2.0	1.0	1.0	208.0

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCENDIENTES

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 5 HOYA 122 RAPEL MATAQUITO SUP 4218 (KM2)  
 EST 4 QUERELEMA FRCP TIPC PV  
 LAT 2437 LON 7156  
 \*\*\*\*\*

	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	ICT
1931	50.0	15.0	2.0	23.0	45.0	186.0	227.0	242.0	88.0	8.0	16.0	0.0	912.0
1932	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	851.0
1933	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	957.0
1934	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	811.0
1935	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	852.0
1936	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1070.0
1937	0.0	24.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	608.0
1938	0.0	0.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	782.0
1939	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1206.0
1940	0.0	69.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1537.0
1941	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	933.0
1942	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1004.0
1943	0.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	688.0
1944	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	635.0
1945	0.0	68.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	566.0
1946	44.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	564.0
1947	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	718.0
1948	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	608.0
1949	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	976.0
1950	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	688.0
1951	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	611.0
1952	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1185.0
1953	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	675.0
1954	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	591.0
1955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	771.0
1956	21.0	3.0	6.0	8.0	12.0	7.0	18.0	19.0	4.0	2.0	0.0	0.0	522.0
1957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	795.0
1958	132.0	4.0	22.0	146.0	61.0	113.0	142.0	121.0	35.0	41.0	0.0	0.0	818.0
1959	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	441.0
1960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	763.0
1961	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	367.0
1962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	934.0
1963	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	328.0
1964	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1071.0
1965	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	858.0
1966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	385.0
1967	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0
1968	0.0	0.0	-1.0	14.0	3.0	-1.0	-1.0	61.0	-1.0	-1.0	15.0	15.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	328.0
MAX	132.0	69.0	69.0	151.0	301.0	478.0	503.0	373.0	247.0	120.0	74.0	34.0	1537.0
PRCM	9.3	6.3	9.7	37.2	126.7	197.6	149.6	125.7	63.1	32.2	14.8	7.2	756.7
DES	24.8	15.7	16.2	43.7	87.8	114.0	112.0	100.0	61.0	26.3	23.0	10.8	253.5
CV	2.7	2.5	1.7	1.2	0.7	0.6	0.8	0.7	1.0	0.8	1.0	1.5	0.3

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCENDIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 5 HOYA 122 RAPEL MATAQUITO SUP 4218 (KM2)  
 EST 5 LO' LOL  
 LAT 3445 LON 7140 ALT 170 (MTS)  
 \*\*\*\*\*

ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1918	-1.0	0.0	-1.0	-1.0	-1.0	-1.0	87.2	67.5	69.0	0.0	72.7	13.9	-1.0
1919	0.0	0.0	11.6	138.0	357.5	173.2	231.5	58.3	114.8	5.0	12.4	0.0	1102.3
1920	0.0	0.0	0.0	0.0	221.5	279.6	39.9	20.1	30.1	27.0	36.4	28.4	683.0
1921	0.0	0.0	7.0	74.8	446.8	102.3	14.7	69.6	3.4	13.3	4.8	0.0	736.7
1922	13.6	0.0	30.5	20.8	57.3	415.4	156.2	171.6	60.0	29.6	0.0	0.0	955.0
1923	0.0	0.0	0.0	0.0	15.6	229.8	231.2	82.5	9.7	90.2	21.2	0.0	680.2
1924	0.0	0.0	21.2	0.0	8.2	50.0	38.1	25.7	9.5	1.6	0.0	0.0	154.3
1925	0.0	0.0	0.0	37.8	35.8	65.7	160.3	0.0	270.4	36.2	0.0	0.0	606.2
1926	0.0	0.0	47.4	0.0	104.9	669.6	433.2	86.8	53.4	31.0	0.0	14.0	1440.3
1927	0.0	0.0	0.0	4.0	280.5	169.6	126.5	76.5	115.4	17.5	19.2	0.0	809.2
1928	0.0	3.5	18.0	220.2	175.1	332.7	99.4	68.3	37.0	4.5	9.0	0.0	967.7
1929	16.0	0.0	0.0	0.0	124.0	131.0	50.0	236.0	146.0	41.0	3.0	12.0	759.0
1930	0.0	0.0	0.0	139.0	44.0	356.0	495.0	221.0	20.0	119.0	49.0	47.0	1490.0
1931	41.0	0.0	0.0	35.0	51.0	213.0	295.0	193.0	127.0	8.0	17.0	0.0	980.0
1932	0.0	0.0	2.0	8.0	57.0	278.0	251.0	215.0	18.0	56.0	0.0	19.0	904.0
1933	86.0	0.0	0.0	21.0	96.0	232.0	152.0	137.0	26.0	57.0	0.0	0.0	807.0
1934	0.0	0.0	5.0	0.0	349.0	560.0	51.0	36.0	28.0	48.0	0.0	0.0	1077.0
1935	0.0	0.0	0.0	32.0	142.0	273.0	133.0	-1.0	27.0	41.0	0.0	0.0	-1.0
1936	0.0	0.0	4.0	49.0	264.0	222.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1937	0.0	31.0	0.0	4.0	101.0	296.0	179.0	173.0	47.0	19.0	23.0	0.0	873.0
1938	0.0	0.0	46.0	0.0	118.0	115.0	106.0	6.0	31.0	-1.0	-1.0	-1.0	-1.0
1939	0.0	0.0	0.0	0.0	94.0	234.0	9.0	111.0	79.0	52.0	0.0	34.0	613.0
1940	0.0	60.0	0.0	74.0	160.0	194.0	433.0	14.0	72.0	56.0	9.0	7.0	1079.0
1941	0.0	9.0	37.0	49.0	179.0	177.0	400.0	202.0	14.0	22.0	61.0	0.0	1150.0
1942	0.0	0.0	9.0	4.0	89.0	88.0	139.0	271.0	13.0	33.0	50.0	0.0	696.0
1943	0.0	0.0	6.0	10.0	148.0	140.0	113.0	91.0	212.0	8.0	9.0	0.0	737.0
1944	0.0	0.0	0.0	30.0	119.5	231.0	48.0	271.0	34.0	82.0	2.0	0.0	817.5
1945	0.0	80.0	27.0	24.0	35.0	7.0	64.0	137.0	50.0	10.0	63.0	0.0	497.0
1946	59.5	0.0	0.0	19.0	63.0	125.0	85.0	30.0	31.0	27.0	12.6	4.9	457.0
1947	0.0	0.0	0.0	49.5	67.3	180.3	144.5	71.8	35.5	41.9	0.0	0.0	591.2
1948	0.0	0.0	0.0	84.0	103.1	101.6	316.8	36.8	90.8	13.2	0.0	6.5	752.8
1949	0.0	8.3	33.2	4.6	299.2	161.7	17.9	25.7	11.9	0.0	0.0	24.8	587.3
1950	0.0	0.0	12.8	129.7	244.8	95.8	8.7	136.6	106.7	22.9	62.0	0.0	820.0
1951	0.0	0.0	0.0	11.7	82.3	-1.0	327.5	30.8	59.2	21.2	7.5	24.8	-1.0
1952	0.0	0.0	23.9	0.0	206.4	122.9	115.7	24.7	25.8	25.2	0.0	0.0	544.6
1953	14.0	0.0	0.0	87.0	393.9	76.0	108.1	235.1	280.7	25.4	0.0	11.4	1231.6
1954	0.0	0.0	0.0	52.5	80.1	311.9	210.4	75.1	27.9	8.1	0.0	8.8	774.8
1955	0.0	0.0	0.0	18.6	63.4	271.9	21.6	131.1	21.9	8.8	0.0	27.5	564.8
1956	19.5	6.1	68.6	79.4	112.4	63.1	240.0	147.6	40.4	33.2	3.5	0.0	813.8
1957	2.9	0.0	0.0	0.6	259.6	24.0	128.2	84.5	20.5	15.5	0.0	8.5	544.3
1958	0.0	0.0	0.0	12.3	175.4	249.8	21.0	176.3	109.0	2.5	18.0	0.0	764.3
1959	58.8	2.7	32.5	114.5	65.0	166.3	184.4	58.6	34.4	51.9	2.5	0.0	771.6
1960	0.0	0.0	9.0	0.8	39.0	196.3	106.0	71.9	17.0	39.9	0.0	0.0	479.9
1961	29.5	0.0	55.3	1.5	38.0	207.0	127.9	190.7	191.1	22.2	0.0	0.0	863.2
1962	0.0	0.0	2.8	26.0	10.5	255.8	14.7	87.7	33.1	30.3	0.0	0.0	460.9
1963	0.0	0.0	37.0	2.8	88.8	96.0	227.6	256.5	177.1	18.6	52.0	0.0	956.4
1964	9.0	0.0	9.0	13.0	13.0	100.0	102.0	154.0	14.0	0.0	0.0	70.0	484.0
1965	0.0	4.0	0.0	122.0	94.0	52.0	466.0	354.0	40.0	32.0	16.0	8.0	1188.0
1966	0.0	0.0	0.0	99.0	56.0	536.0	158.0	93.0	36.0	15.0	3.0	51.0	1047.0
1967	3.5	2.5	0.0	0.0	102.0	76.0	124.0	25.0	54.0	71.0	21.0	0.0	479.0

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1968	0.0	0.0	6.5	9.2	3.3	46.2	17.0	81.8	52.0	14.0	15.0	20.5	265.5
MIN	0.0	0.0	0.0	0.0	3.3	7.0	8.7	0.0	3.4	0.0	0.0	0.0	154.3
MAX	86.0	80.0	68.6	220.2	446.8	669.6	495.0	354.0	280.7	119.0	72.7	70.0	1490.0
PROM	7.1	4.1	11.2	38.3	130.7	199.0	156.2	114.7	64.5	29.5	13.8	9.0	783.8
DESV	17.8	14.4	17.2	49.2	106.9	137.4	127.3	84.0	65.2	24.9	20.4	15.4	279.0
CV	2.5	3.5	1.5	1.3	0.8	0.7	0.8	0.7	1.0	0.8	1.5	1.7	0.4

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 5 HOYA 122 RAPEL MATAQUITO SUP 4218 (KM2)  
 EST 6 DUNAS DE LLICO  
 LAT 3445 LGN 7207  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1936	0.0	0.0	4.0	35.0	207.0	119.0	119.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1937	0.0	0.0	0.0	0.0	158.0	211.0	127.0	135.0	38.6	22.0	21.0	0.0	712.6
1938	0.0	0.0	48.0	0.0	90.0	148.0	101.0	2.0	35.0	44.0	30.0	0.0	498.0
1939	5.0	10.0	0.0	0.4	71.0	180.0	51.0	99.0	39.0	189.0	0.0	20.0	644.4
1940	0.0	67.0	0.0	73.0	163.0	253.0	393.0	33.0	98.0	33.0	8.0	8.0	1129.0
1941	0.0	8.0	38.0	47.0	153.0	157.0	323.0	197.0	3.0	32.0	22.0	18.0	998.0
1942	0.0	0.0	22.0	5.0	122.0	127.0	226.0	184.0	42.0	22.0	71.0	1.0	826.0
1943	0.0	0.0	17.0	13.0	103.0	115.0	99.0	176.0	90.0	5.0	4.0	0.0	622.0
1944	3.0	0.0	0.0	28.0	107.9	238.9	53.4	212.2	29.2	89.7	0.0	0.0	762.3
1945	0.0	46.6	15.4	15.4	46.3	7.3	150.1	62.7	49.5	3.1	27.9	0.0	424.3
1946	22.1	2.5	0.0	16.4	75.6	94.5	72.7	178.7	57.2	31.3	15.6	9.8	548.7
1947	0.0	0.0	0.0	57.3	48.7	192.3	95.7	52.1	28.1	32.7	0.0	0.0	539.6
1948	0.0	0.0	0.0	62.6	101.5	64.8	277.2	65.5	58.5	8.5	0.0	4.8	643.4
1949	0.0	0.0	22.1	5.5	-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	46.3	7.3	51.0	2.0	3.0	3.1	0.0	0.0	424.3
MAX	22.1	67.0	48.0	73.0	207.0	253.0	393.0	212.2	98.0	189.0	71.0	20.0	1129.0
PROM	2.1	9.6	11.9	25.9	111.3	146.8	160.6	116.4	47.3	42.7	16.6	5.1	695.7
DESV	5.9	20.7	15.9	25.0	47.9	69.7	109.6	72.6	26.3	51.4	20.6	7.3	206.8
CV	2.8	2.2	1.3	1.0	0.4	0.5	0.7	0.6	0.6	1.2	1.2	1.4	0.3

83.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 5		FCYA 122 RAPEL MATAQUITO		SUP 4218 (KM2)		EST 7 LIICC		PRCP OMC		TIPN PV			
		LAT 3446 LON 7207		ALT 4		(MTS)							
ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	TOT
1918	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	51.0	0.0	-1.0
1919	0.0	1.8	4.3	103.4	410.2	232.8	233.5	69.5	113.0	5.9	18.3	8.6	1198.3
1920	0.0	0.0	0.0	0.0	234.1	267.9	226.4	13.6	21.4	23.2	26.7	8.2	621.5
1921	0.0	1.4	17.8	34.9	336.7	93.2	14.1	72.1	0.0	6.4	26.5	0.0	603.1
1922	46.3	0.0	22.0	0.0	18.0	255.8	147.3	74.4	33.0	28.5	0.0	0.0	735.9
1923	0.0	0.0	0.0	0.0	0.0	170.8	207.9	103.9	17.7	60.6	28.3	0.0	589.2
1924	0.0	0.0	23.6	3.4	12.3	46.9	56.8	30.5	12.0	0.5	0.0	0.0	186.0
1925	0.0	0.9	0.0	65.4	19.5	59.3	142.5	3.1	240.9	35.8	0.0	0.0	567.4
1926	0.0	0.0	48.5	0.0	120.6	507.0	320.0	100.4	50.8	33.5	0.0	28.1	1208.9
1927	0.0	0.0	0.0	6.5	155.3	172.8	103.8	57.2	90.2	21.8	11.0	0.0	618.6
1928	0.0	7.5	11.0	107.2	200.5	195.1	66.8	63.8	36.0	6.8	16.8	11.8	723.3
1929	17.0	0.0	0.0	11.0	129.0	102.0	32.0	240.0	92.0	29.0	0.0	25.0	737.0
1930	0.0	0.0	0.0	92.0	35.0	253.0	444.0	193.0	20.0	117.0	25.0	43.0	1223.0
1931	38.0	6.0	3.0	34.0	36.0	152.0	241.0	155.0	63.0	14.0	4.0	0.0	746.0
1946	22.0	3.0	0.0	16.0	76.0	55.0	73.0	179.0	28.0	33.0	16.0	10.0	551.0
MIN	0.0	0.0	0.0	0.0	0.0	46.9	14.1	3.1	0.0	0.0	0.0	0.0	186.0
MAX	46.3	7.5	48.5	107.2	410.2	507.0	444.0	240.0	240.9	117.0	51.0	43.0	1223.0
FRON	8.8	1.5	10.0	33.9	127.4	193.1	150.6	56.8	58.4	27.7	14.9	8.8	736.4
DESV	15.9	2.4	15.2	41.0	128.3	125.7	125.7	70.5	62.4	29.6	14.9	13.2	291.7
CV	1.8	1.7	1.5	1.2	1.0	0.7	0.8	0.7	1.1	1.1	1.0	1.5	0.4

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCENDIENTES



PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 5 HOYA 122 RAPEL MATAQUITO SUP 4218 (KM2)  
 EST S ILOCA  
 LAT 3457 LON 7213  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1964	0.0	0.0	1.0	0.1	2.0	49.0	55.0	85.0	2.0	0.8	0.0	-1.0	-1.0
1965	0.0	10.0	0.0	99.0	66.0	30.0	376.0	194.0	10.0	57.0	29.0	11.0	882.0
1966	0.0	0.0	0.0	78.0	82.0	29.0	146.0	143.0	6.0	20.0	3.0	78.0	850.0
1967	1.8	1.4	0.5	0.3	82.0	52.0	119.0	26.0	24.0	23.0	8.3	0.6	338.9
1968	0.0	2.7	2.7	14.6	1.7	85.1	17.6	39.0	43.3	39.0	10.4	28.4	284.5
MIN	0.0	0.0	0.0	0.1	1.7	29.0	17.6	26.0	2.0	0.8	0.0	0.6	284.5
MAX	1.8	10.0	2.7	99.0	82.0	85.1	376.0	194.0	43.3	57.0	29.0	78.0	882.0
PROM	0.4	2.8	0.8	38.4	46.7	49.0	142.7	97.4	17.1	28.0	10.1	29.5	588.8
DESV	0.8	4.2	1.1	46.7	41.5	22.8	139.9	70.8	16.8	21.2	11.3	34.3	321.1
CV	2.2	1.5	1.3	1.2	0.9	0.5	1.0	0.7	1.0	0.8	1.1	1.2	0.5

\*\*\*\*\*

85

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 6 HOYA 123 MATAQUITO MAULE SUP 1171 (KM2)  
 EST 1 GUALLECO  
 LAT 3514 LON 7159  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1961	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	41.4	19.1	0.0	0.0	-1.0
1962	0.0	0.0	0.0	15.0	12.0	59.0	42.0	65.0	55.5	0.0	0.0	0.0	248.5
1963	0.0	0.0	3.4	3.0	53.0	89.0	195.9	238.5	169.8	38.1	81.8	-1.0	-1.0
1964	0.0	0.0	0.0	0.0	0.0	93.5	107.0	176.0	11.5	0.0	19.0	54.0	461.0
1965	0.0	29.0	0.0	133.5	97.0	42.0	448.5	286.0	9.0	52.5	25.0	8.0	1130.5
1966	0.0	0.0	0.0	100.0	59.0	382.5	149.0	120.5	9.0	18.0	9.5	65.5	913.0
1967	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	42.0	42.0	65.0	9.0	0.0	0.0	0.0	248.5
MAX	0.0	29.0	3.4	133.5	97.0	382.5	448.5	286.0	169.8	52.5	81.8	65.5	1130.5
PROM	0.0	5.8	0.7	50.3	44.2	133.2	188.5	177.2	49.4	21.3	22.5	25.5	688.3
DESV	0.0	13.0	1.5	62.1	39.0	141.0	156.0	88.6	62.1	20.9	30.7	31.7	404.6
CV	-1.0	2.2	2.2	1.2	0.9	1.1	0.8	0.5	1.3	1.0	1.4	1.2	0.6

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 6 HOYA 124 MAULE ITATA SUP 2519 (KM2)  
 EST 2 PTA CARRANZA  
 LAT 3536 LON 7238 ALT 30 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1899	0.0	0.0	23.0	20.0	245.0	166.0	-1.0	508.0	1.0	0.0	1.0	0.0	-1.0
1900	7.0	26.0	18.0	40.0	348.0	170.0	530.0	247.0	41.0	72.0	0.0	0.0	1499.0
1901	0.0	0.0	0.0	24.0	199.0	114.0	106.0	156.0	7.0	32.0	22.0	0.0	660.0
1902	0.0	1.0	27.8	28.8	109.6	377.5	95.3	36.7	34.6	13.4	17.5	8.0	750.2
1903	1.1	15.0	1.0	2.6	12.5	141.7	26.0	41.7	18.3	11.1	0.0	24.5	295.5
1904	0.0	0.0	21.6	77.3	186.8	277.3	411.9	142.8	30.1	72.6	23.1	47.0	1290.5
1905	0.0	0.0	66.2	41.5	209.7	207.1	355.7	129.0	69.7	20.0	3.6	2.3	1104.8
1906	1.8	12.1	0.0	57.0	122.7	76.4	320.9	88.4	31.7	9.0	5.5	29.9	755.4
1907	0.0	3.1	0.3	0.0	84.7	244.7	147.3	40.0	121.4	5.1	0.0	2.6	649.2
1908	0.0	0.0	4.1	77.8	99.2	93.0	29.5	109.9	114.1	25.5	18.7	0.0	571.8
1909	0.0	1.5	3.3	27.8	17.8	152.3	35.6	58.9	26.2	3.0	18.6	0.0	345.0
1910	6.6	26.8	6.0	57.0	25.3	149.9	196.4	150.1	8.3	0.5	5.0	1.3	633.2
1911	0.0	0.0	9.1	103.9	338.2	98.3	60.5	49.0	91.4	0.0	14.3	34.1	798.8
1912	0.0	4.9	31.5	110.5	158.8	74.2	55.9	81.1	13.6	28.4	8.0	0.0	566.9
1913	0.0	0.0	3.1	77.7	209.6	61.1	316.4	76.8	49.0	2.5	0.0	0.0	796.2
1914	13.8	0.0	9.8	41.3	230.3	323.5	241.8	83.8	146.2	27.5	22.6	0.6	1141.2
1915	0.0	0.0	4.8	26.5	193.8	120.4	111.7	69.8	30.4	3.9	2.0	10.2	573.5
1916	28.0	0.0	63.4	27.7	77.5	14.8	59.7	127.4	60.0	5.4	74.8	24.1	562.8
1917	2.4	5.4	0.4	27.9	40.5	217.1	34.3	59.1	170.2	2.1	0.3	8.7	568.4
1918	12.4	0.0	55.6	55.8	170.6	193.1	78.2	98.9	41.8	0.0	102.5	0.0	808.9
1919	0.4	11.0	2.5	95.8	228.6	209.0	176.7	59.2	128.0	0.3	19.0	6.2	936.7
1920	0.0	0.0	7.4	4.6	236.2	185.7	36.8	38.8	50.3	30.9	25.4	11.6	627.7
1921	28.1	0.0	56.0	15.4	67.2	387.2	250.9	148.9	63.3	58.6	0.0	0.0	1075.6
1922	4.1	4.5	23.0	47.7	170.9	132.9	17.7	80.1	10.8	18.0	2.0	8.2	519.9
1923	0.0	9.3	27.3	0.0	5.1	222.2	168.5	96.4	27.4	54.0	52.6	6.3	669.1
1924	0.0	12.8	29.9	10.8	27.7	123.5	72.5	37.8	20.8	1.1	0.0	0.0	336.9
1925	0.0	10.0	4.7	101.5	38.6	76.4	179.6	21.0	314.2	22.5	26.4	6.2	801.1
1926	1.7	1.2	74.4	2.0	107.0	354.0	276.1	118.9	51.8	46.4	0.0	26.2	1059.7
1927	0.0	0.0	10.2	6.5	252.8	116.3	246.8	118.3	134.2	53.8	11.4	0.8	951.1
1928	0.0	0.6	29.8	78.9	253.3	125.8	108.0	45.1	18.2	9.9	24.4	17.5	711.5
1929	29.0	0.0	0.0	20.0	88.0	202.0	55.0	169.0	135.0	33.0	4.0	29.0	764.0
1930	0.0	0.0	0.0	154.0	217.0	231.0	443.0	117.0	29.0	75.0	27.0	48.0	1341.0
1931	79.0	0.0	12.0	61.0	33.0	217.0	262.0	147.0	69.0	38.0	14.0	0.0	932.0
1932	0.0	0.0	12.0	60.0	45.0	382.0	277.0	192.0	47.0	43.0	9.0	38.0	1105.0
1933	58.0	6.0	6.0	50.0	136.0	168.0	72.0	113.0	35.0	26.0	3.0	16.0	689.0
1934	0.0	7.0	14.0	1.0	216.0	351.0	82.0	36.0	13.0	26.0	2.0	0.0	748.0
1935	6.0	3.0	3.0	21.0	140.0	244.0	128.0	176.0	38.0	51.0	19.0	3.0	832.0
1936	0.0	1.0	12.0	85.0	244.0	199.0	203.0	77.0	36.0	18.0	17.0	33.0	925.0
1937	0.0	35.0	1.0	21.0	97.0	164.0	140.0	220.0	64.0	18.0	17.0	3.0	780.0
1938	0.0	0.0	55.0	4.0	174.0	199.0	159.0	42.0	12.0	18.0	28.0	18.0	709.0
1939	11.0	11.0	0.0	3.0	135.0	164.0	37.0	145.0	58.0	130.0	0.0	64.0	758.0
1940	0.0	47.0	0.0	107.0	300.0	334.0	386.0	23.0	105.0	50.0	31.0	20.0	1403.0
1941	0.0	1.0	59.0	46.0	163.0	146.0	330.0	195.0	6.0	18.0	42.0	14.0	1020.0
1942	0.0	3.0	10.0	13.0	95.0	67.0	167.0	180.0	38.0	16.0	13.0	2.0	604.0
1943	0.0	0.0	22.0	38.0	203.0	80.0	132.0	122.0	190.0	4.0	6.0	0.3	797.3
1944	1.0	6.0	0.0	24.0	159.8	219.0	118.4	299.1	24.5	119.5	12.3	0.0	983.6
1945	0.0	89.1	14.4	44.6	213.4	44.3	122.9	143.9	76.8	2.4	37.3	0.0	789.1
1946	72.2	11.2	3.0	45.0	143.9	218.6	232.9	123.8	106.2	11.0	33.1	-1.0	-1.0
1947	0.0	0.0	4.4	23.8	48.8	-1.0	172.1	59.3	79.3	57.0	-1.0	0.0	-1.0
1948	0.0	4.5	-1.0	136.5	189.8	113.9	279.9	72.9	119.4	29.7	0.0	2.2	-1.0

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1949	0.0	12.8	20.9	4.2	312.3	233.1	64.3	33.7	7.5	0.3	0.7	30.2	720.0
1950	0.0	0.0	14.4	105.5	348.4	-1.0	70.6	290.5	94.9	54.0	139.3	0.0	-1.0
1951	37.8	4.4	1.2	-1.0	125.4	352.8	229.1	35.9	59.7	40.6	41.0	10.9	-1.0
1952	0.0	6.2	46.9	1.3	-1.0	-1.0	-1.0	17.4	12.6	23.2	0.0	0.4	-1.0
1953	7.4	0.0	37.0	15.4	378.6	92.7	170.2	280.0	189.5	27.7	3.0	0.0	1202.4
1954	0.0	5.0	0.0	55.5	213.8	275.5	298.3	85.0	35.4	36.2	0.0	16.8	1021.5
1955	4.5	33.2	0.0	21.9	88.1	189.0	-1.0	173.7	27.3	3.0	0.0	10.0	-1.0
1956	11.8	2.8	105.5	68.2	36.4	43.5	181.4	66.9	64.3	19.6	24.2	0.0	624.6
1957	4.8	0.0	0.0	20.7	186.1	24.1	98.2	110.3	46.0	63.4	0.0	49.0	602.6
1958	0.0	0.0	19.1	-1.0	-1.0	182.8	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1959	-1.0	-1.0	-1.0	-1.0	75.7	91.3	141.5	39.0	17.9	12.3	1.5	0.0	-1.0
1960	1.5	0.0	13.1	1.0	27.6	313.5	193.0	66.8	37.3	28.5	0.0	0.0	682.3
1961	14.8	0.0	43.5	0.0	25.7	140.3	225.8	121.8	81.5	7.6	0.0	0.0	661.0
1962	0.0	0.0	34.0	36.5	25.4	163.3	46.4	136.4	45.6	107.4	15.1	0.2	610.3
1963	0.0	3.4	20.5	34.0	68.5	118.7	235.5	224.3	155.4	9.4	76.8	2.0	958.9
MIN	0.0	0.0	0.0	0.0	5.1	14.8	17.7	17.4	1.0	0.0	0.0	0.0	295.5
MAX	79.0	89.1	105.5	154.0	378.6	387.2	530.0	508.0	314.2	130.0	139.3	64.0	1499.0
PROM	7.0	6.8	19.0	42.1	149.5	180.2	172.1	116.5	63.8	28.8	17.7	10.9	805.9
DESV	16.2	14.1	22.5	36.8	95.7	94.1	115.3	84.2	57.2	28.8	25.6	15.2	257.7
CV	2.3	2.1	1.2	0.9	0.6	0.5	0.7	0.7	0.9	1.0	1.4	1.4	0.3

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 6 HGYA 124 MAULE ITAYA SUP 2519 (KM2)  
 EST 4 FDO EL CARMEN CHANCO  
 LAT 3538 LON 7240  
 \*\*\*\*\*  
 ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT  
 \*\*\*\*\*  
 1968 0.2 2.4 -1.0 28.6 6.0 89.0 45.2 52.7 60.0 47.0 24.8 29.2 -1.0  
 \*\*\*\*\*

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 6

HOYA 124 MAULE ITATA

SUP 2519 (KM2)

EST 5 LOS CHANCOS

LAT 3542 LON 7233 ALT 37 (MTS)

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

90.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (P)

\*\*\*\*\*

ZONA 6

HOYA 124 MAULE ITATA

SUP 2519 (KM2)

94

EST 6 EL PORVENIR

LAT 3544 LON 7213 ALT 400 (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 -1.0 -1.0 -1.0 35.0 28.0 12.0 -1.0

1926 1.6 0.6 85.3 0.8 142.3 402.0 311.1 104.0 56.7 99.8 0.0 40.5 1244.7

1927 0.0 0.2 8.7 5.9 178.9 229.7 184.5 106.0 192.9 51.3 23.6 0.0 981.7

1928 0.0 2.6 17.5 105.3 258.2 197.5 188.7 49.4 12.3 35.2 25.4 25.8 917.9

1929 17.0 9.0 0.0 20.0 126.0 205.0 96.0 208.0 140.0 37.0 9.0 51.0 918.0

1930 0.0 0.0 4.0 140.0 173.0 443.0 588.0 183.0 30.0 114.0 67.0 75.0 1817.0

1931 72.0 9.0 4.0 83.0 56.0 321.0 289.0 269.0 44.0 65.0 20.0 0.0 1232.0

1932 0.0 0.0 17.0 42.0 39.0 554.0 326.0 245.0 95.0 57.0 5.0 19.0 1399.0

1933 34.0 3.0 8.0 56.0 162.0 224.0 152.0 272.0 42.0 37.0 0.0 26.0 1016.0

\*\*\*\*\*

MIN 0.0 0.0 0.0 0.8 39.0 197.5 96.0 49.4 12.3 35.0 0.0 0.0 917.9

MAX 72.0 9.0 85.3 140.0 258.2 554.0 588.0 272.0 192.9 114.0 67.0 75.0 1817.0

PROM 15.6 3.0 18.1 56.6 141.9 322.0 266.9 179.5 76.6 59.0 19.8 27.7 1190.8

DESV 25.9 3.8 27.9 49.7 70.2 132.1 153.2 84.3 61.9 29.4 20.8 24.5 307.8

CV 1.7 1.3 1.5 0.9 0.5 0.4 0.6 0.5 0.8 0.5 1.1 0.9 0.3

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 6

HOYA 124 MAULE ITATA  
EST 7 UNIHUE FDC  
LAT 3545 LON 7215

SUP 2519 (KM2)

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1951	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	35.1	22.5	40.1	12.3	-1.0
1952	0.0	1.5	45.3	0.0	189.9	154.1	111.9	27.6	33.9	37.0	5.0	0.0	606.2
1953	51.8	0.0	36.8	50.0	434.4	92.2	225.0	261.2	301.8	22.9	11.0	12.0	1499.1
1954	0.0	12.0	4.0	56.0	134.0	211.8	180.3	47.7	25.0	16.0	0.0	8.0	694.8
1955	0.0	18.3	0.0	27.0	77.9	216.4	29.0	133.4	20.0	11.0	0.0	11.5	544.5
1956	43.5	0.0	39.0	56.4	88.4	73.0	98.0	79.5	55.0	16.0	14.0	0.0	562.8
1957	0.0	0.0	0.0	27.0	137.5	36.0	143.0	109.0	-1.0	-1.0	-1.0	-1.0	-1.0
1958	0.0	0.0	12.5	45.5	-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	77.9	36.0	29.0	27.6	20.0	11.0	0.0	0.0	544.5
MAX	51.8	18.3	45.3	56.4	434.4	216.4	225.0	261.2	301.8	37.0	40.1	12.3	1499.1
PROM	13.6	4.5	19.7	37.4	177.0	130.6	131.2	109.7	78.5	20.9	11.7	7.3	781.5
DESV	23.4	7.5	20.0	20.6	132.3	75.2	68.2	83.7	110.1	9.1	15.0	5.9	405.3
CV	1.7	1.6	1.0	0.6	0.7	0.6	0.5	0.8	1.4	0.4	1.3	0.8	0.5

92.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 7

HOYA 125 ITATA BLO BLO

SUP 1525 (KM2)

93

EST 1 TOME  
LAT 3637 LON 7257 ALT 5 (MTS)

\*\*\*\*\*

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

\*\*\*\*\*

1918	-1.0	-1.0	80.8	172.5	225.2	186.1	164.8	175.2	101.8	16.8	206.8	0.0	-1.0
1919	-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
1920	0.0	0.0	69.0	40.0	342.5	231.5	57.0	182.6	98.0	77.6	61.4	19.3	1178.9
1921	28.0	9.8	38.6	33.3	251.7	178.5	58.9	162.9	6.5	40.1	22.7	51.0	882.0
1922	3.0	2.5	193.5	34.0	134.0	414.0	317.0	231.0	155.0	-1.0	-1.0	-1.0	-1.0
1927	3.0	7.0	33.0	24.0	453.0	292.0	295.0	144.5	175.0	37.0	30.0	8.0	1501.5
1928	13.0	16.0	40.0	-1.0	245.8	182.2	150.4	20.3	16.0	0.3	1.4	3.6	-1.0
1929	70.0	1.0	0.2	38.0	149.0	201.0	148.0	239.0	104.0	48.0	4.0	60.0	1062.2
1930	0.0	0.0	19.0	217.0	115.0	272.0	380.0	137.0	67.0	145.0	66.0	82.0	1500.0
1931	52.0	0.0	25.0	114.0	72.0	271.0	310.0	244.0	41.0	106.0	42.0	0.0	1277.0
1932	0.4	0.0	17.0	178.0	75.0	535.0	376.0	305.0	62.0	91.0	20.0	14.0	1673.4
1933	79.0	0.0	29.0	102.0	182.0	242.0	121.0	223.0	83.0	52.0	3.0	48.0	1164.0
1934	24.0	80.0	45.0	24.0	255.0	524.0	155.0	67.0	57.0	21.0	0.0	3.0	1255.0
1935	4.0	15.0	7.0	20.0	283.0	251.0	171.0	239.0	88.0	141.0	62.0	18.0	1299.0
1936	1.0	0.0	19.0	146.0	418.0	248.0	253.0	254.0	74.0	58.0	16.0	75.0	1562.0
1937	0.0	60.0	6.0	29.0	117.0	118.0	200.0	511.0	28.0	22.0	26.0	6.0	1123.0
1938	11.0	0.0	94.0	27.0	234.0	226.0	236.0	70.0	75.0	80.0	64.0	32.0	1149.0
1939	52.0	0.0	9.0	0.0	287.0	254.0	84.0	237.0	94.1	159.0	0.3	2.0	1178.4
1940	0.0	28.0	0.0	119.0	461.0	381.0	399.0	21.0	83.0	27.0	15.0	100.0	1634.0
1941	0.0	32.0	41.0	82.0	210.0	327.0	594.0	311.0	33.0	33.0	130.0	80.0	1873.0
1942	0.0	19.0	10.0	138.0	150.0	98.0	305.0	270.0	102.0	66.0	91.0	0.0	1249.0
1943	0.0	0.0	33.0	44.0	54.0	14.0	163.0	160.0	223.0	17.0	13.0	0.0	721.0
1944	0.0	0.0	0.0	23.0	47.0	207.7	207.0	490.5	20.5	179.8	47.3	0.0	1223.5
1945	0.0	72.0	37.6	41.5	275.0	124.7	164.0	227.0	60.6	19.0	105.9	11.7	1139.0
1946	18.0	15.4	0.0	61.7	199.0	175.8	200.1	176.3	202.0	29.3	51.1	25.1	1153.8
1947	2.1	0.0	58.1	68.3	158.4	372.7	177.5	136.9	140.2	65.8	17.8	8.4	1206.2
1948	17.4	0.0	15.2	140.4	191.3	223.3	468.0	147.0	342.0	165.0	0.0	30.0	1739.6
1949	0.0	30.0	81.0	39.0	250.0	450.0	20.0	30.0	10.0	0.0	0.0	26.7	936.7
1950	0.0	0.0	46.0	192.3	276.0	293.0	93.0	412.0	116.9	24.1	99.0	1.1	1553.4
1951	11.3	0.5	11.8	1.3	176.1	373.2	262.7	127.6	116.6	31.7	79.8	21.5	1204.1
1952	0.0	0.0	62.4	2.1	157.8	177.1	179.8	104.0	77.5	133.1	30.3	0.0	924.1
1953	86.9	15.1	46.0	89.3	305.7	137.3	268.8	297.2	276.9	28.4	5.3	41.3	1598.2
1954	4.4	27.4	3.9	94.1	296.5	363.4	240.3	207.1	41.0	37.0	18.1	35.4	1368.6
1955	16.5	22.9	0.0	69.6	75.0	305.9	76.9	181.3	38.0	7.4	0.0	73.7	867.2
1956	68.6	11.7	121.5	82.5	178.5	70.2	279.2	78.5	77.6	53.4	10.0	2.2	1033.9
1957	23.3	0.0	1.5	41.1	375.7	117.9	371.3	254.3	49.3	37.4	26.0	41.3	1338.1
1958	0.0	0.0	24.0	55.8	287.3	264.2	212.9	192.3	147.4	12.3	87.5	0.0	1283.7
1959	75.1	0.7	44.5	240.1	294.3	156.8	358.3	77.7	107.2	107.6	0.0	0.0	1462.3
1960	62.4	0.0	63.3	46.7	77.3	401.9	230.8	89.9	80.9	136.9	12.2	0.0	1202.3
1961	76.0	8.0	80.0	16.0	22.0	202.0	297.0	212.0	201.0	50.0	0.0	0.0	1164.0
1962	0.0	0.0	0.0	49.0	22.0	175.0	28.0	104.0	56.0	67.0	2.0	0.0	503.0
1963	4.0	0.0	-1.0	-1.0	102.0	121.0	143.0	269.0	184.0	78.0	73.0	6.0	-1.0
1964	22.0	0.0	-1.0	11.0	43.0	133.0	118.0	235.0	53.0	24.0	44.0	156.0	-1.0
1965	12.0	78.0	11.0	173.0	138.0	207.0	338.0	372.0	54.0	90.0	150.0	32.0	1655.0
1966	0.0	3.0	2.0	133.0	87.0	207.0	70.0	193.0	44.0	30.0	17.0	121.0	907.0
1967	29.0	35.0	13.0	-1.0	259.0	145.0	89.0	203.0	-1.0	67.0	58.0	24.0	-1.0
1968	2.5	17.8	24.3	31.8	16.1	190.1	67.5	98.8	65.5	60.9	58.7	87.8	721.8

\*\*\*\*\*

MIN	0.0	0.0	0.0	0.0	16.1	14.0	20.0	20.3	6.5	0.0	0.0	0.0	503.0
MAX	86.9	80.0	193.5	240.1	461.0	535.0	594.0	511.0	342.0	179.8	206.8	156.0	1873.0
PROM	19.4	13.5	35.4	76.4	196.2	240.0	215.2	198.3	96.2	61.6	41.5	29.9	1236.7
DESV	27.0	21.5	38.2	62.9	114.8	114.1	123.7	109.2	70.4	47.3	45.4	37.0	299.6
CV	1.4	1.6	1.1	0.8	0.6	0.5	0.6	0.6	0.7	0.8	1.1	1.2	0.2

\*\*\*\*\*

PRECIPITACIONES (MM)

ZCNA 7		HOYA 125 EST 2		ITATA PIA TUMBES		PIC BIC		SUP 1525 (KM2)		TIPC MT			
		LAT 3937		LCN 7306		ALT 120 (MTS)							
ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1903	1.0	0.0	12.0	36.0	96.0	464.0	76.0	75.0	46.0	22.0	7.0	16.0	851.0
1904	2.0	0.0	30.0	124.0	230.0	336.0	528.0	160.0	142.0	66.0	22.0	49.0	1700.0
1905	2.0	0.0	168.0	50.0	118.0	254.0	262.0	154.0	124.0	67.0	6.0	31.0	1236.0
1906	8.0	40.0	28.0	76.0	244.0	222.0	196.0	106.0	86.0	28.0	16.0	17.0	1065.0
1907	24.0	15.0	2.0	1.0	116.0	256.0	194.0	110.0	146.0	22.0	0.0	24.0	910.0
1908	0.0	56.0	80.0	96.0	284.0	164.0	44.0	122.0	92.0	25.0	50.0	9.0	1022.0
1909	0.0	7.0	10.0	38.0	68.0	168.0	56.0	80.0	56.0	3.0	86.0	3.0	577.0
1910	24.0	0.0	8.0	56.0	58.0	208.0	214.0	220.0	11.0	6.0	18.0	2.0	825.0
1911	11.0	0.0	5.0	64.0	324.0	58.0	102.0	100.0	83.0	9.0	46.0	24.0	866.0
1912	2.0	0.0	10.0	116.0	156.0	-1.0	128.0	-1.0	-1.0	39.0	62.0	-1.0	-1.0
1913	0.0	0.0	12.0	152.0	280.0	82.0	340.0	108.0	78.0	16.0	0.0	14.0	1083.0
1914	33.0	0.0	34.0	48.0	120.0	316.0	358.0	138.0	161.0	62.0	62.0	13.0	1385.0
1915	8.0	2.0	6.0	118.0	276.0	124.0	176.0	116.0	32.0	16.0	22.0	14.0	1010.0
1916	32.0	0.0	66.0	52.0	186.0	36.0	128.0	172.0	138.0	38.0	96.0	56.0	1000.0
1917	4.0	34.0	0.0	16.0	90.0	260.0	36.0	66.0	200.0	16.0	2.0	32.0	756.0
1918	32.0	0.0	60.0	128.0	180.0	176.0	168.0	128.0	50.0	40.0	176.0	2.0	1188.0
1919	2.0	24.0	24.0	202.0	308.0	180.0	282.0	108.0	112.0	6.0	64.0	10.0	1323.0
1920	1.0	2.0	2.0	30.0	220.0	168.0	50.0	124.0	92.0	46.0	38.0	11.0	850.0
1921	3.0	12.0	22.0	50.0	208.0	176.0	39.0	124.0	10.0	16.0	3.0	52.0	720.0
1922	3.0	0.0	128.0	40.0	54.0	314.0	344.0	208.0	74.0	36.0	4.0	0.0	1234.0
1923	0.0	30.0	0.0	0.0	28.0	216.0	160.0	208.0	42.0	9.0	60.0	22.0	559.0
1924	0.0	16.0	36.0	22.0	50.0	162.0	172.0	46.0	47.0	3.0	2.0	2.0	558.0
1925	4.0	13.0	21.0	146.0	56.0	238.0	192.0	100.0	288.0	21.0	44.0	26.0	1149.0
1926	4.0	2.0	33.0	26.0	70.0	241.0	249.0	163.0	64.0	46.0	3.0	51.0	1116.0
1927	0.0	3.0	39.0	27.0	347.0	227.0	245.0	56.0	187.0	34.0	24.0	6.0	1262.0
1928	1.0	1.5	4.0	108.0	262.0	154.0	117.0	42.0	28.0	2.0	30.0	18.0	823.0
1929	4.0	0.0	2.0	37.0	133.0	180.0	103.0	198.0	86.0	5.0	7.0	50.0	893.0
1930	0.0	0.0	2.0	222.0	44.0	260.0	370.0	117.0	38.0	167.0	21.0	109.0	1360.0
1931	64.0	1.0	31.0	162.0	65.0	275.0	150.0	112.0	51.0	24.0	24.0	1.0	987.0
1932	2.0	0.0	14.0	99.0	37.0	347.0	226.0	179.0	52.0	68.0	15.0	81.0	1132.0
1933	4.0	8.0	20.0	105.0	109.0	149.0	84.0	182.0	55.0	38.0	4.0	35.0	836.0
1934	1.0	15.0	39.0	19.0	142.0	357.0	101.0	43.0	55.0	39.0	0.0	0.0	805.0
1935	0.0	46.0	1.0	177.0	120.0	123.0	85.0	133.0	36.0	96.0	47.0	20.0	782.0
1936	6.0	8.0	28.0	94.0	205.0	129.0	139.0	160.0	38.0	24.0	18.0	64.0	907.0
1937	0.0	4.0	0.0	19.0	141.0	115.0	224.0	549.0	77.0	13.0	60.0	15.0	1276.0
1938	6.0	0.0	76.0	53.0	207.0	180.0	241.0	51.0	44.0	49.0	19.0	0.0	922.0
1939	1.0	14.0	6.0	126.0	185.0	116.0	152.0	61.0	46.0	85.0	0.0	6.0	668.0
1940	0.0	4.0	3.0	53.0	61.0	95.0	220.0	64.0	11.0	13.0	60.0	15.0	712.0
1941	0.0	5.0	0.0	53.0	61.0	95.0	220.0	64.0	11.0	13.0	60.0	15.0	680.0
1942	1.0	3.0	7.0	41.0	42.0	50.0	220.0	115.0	24.0	12.0	33.0	0.0	548.0
1943	0.0	0.0	7.0	27.0	147.0	50.0	81.0	170.0	84.0	13.0	10.0	0.0	656.0
1944	0.0	0.0	2.0	27.0	115.0	108.0	59.0	131.0	19.0	63.0	18.0	0.0	542.0
1945	0.0	5.0	1.0	40.0	266.0	84.0	125.0	85.0	37.0	12.0	33.0	2.0	722.0
1946	0.0	5.0	5.0	1.0	469.0	7.0	64.0	55.0	59.0	14.0	16.0	0.0	542.0
1947	0.0	0.0	5.0	31.0	43.0	83.0	38.0	21.0	49.0	32.0	19.0	0.0	370.0

	ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1948	7.4	0.1	7.3	69.4	107.8	77.6	82.8	42.5	148.7	22.3	0.7	40.2	606.8	
1949	0.0	27.0	51.3	22.9	183.1	174.6	22.7	12.6	7.9	0.1	12.4	314.3		
1950	0.0	0.0	22.0	4.4	247.2	224.0	25.6	158.0	57.9	29.2	2.0	887.4		
1951	26.5	2.6	13.0	8.3	115.0	148.3	156.7	54.0	58.5	9.4	61.6	14.5	665.1	
1952	0.0	3.2	17.8	0.9	91.2	100.5	31.9	57.5	35.8	69.0	14.4	0.0	422.1	
1953	42.5	0.0	16.2	35.7	121.0	108.7	187.7	158.0	116.9	13.6	6.5	6.4	810.2	
1954	0.0	10.0	8.7	44.3	110.9	108.7	168.2	103.5	226.1	4.5	2.0	19.5	609.5	
1955	13.5	40.5	0.0	54.3	78.7	157.2	131.1	88.5	224.1	9.2	0.0	7.0	504.9	
1956	44.7	12.5	60.2	28.5	65.2	56.5	139.3	66.7	54.5	47.1	0.9	1.0	617.2	
1957	8.5	0.0	0.5	16.0	194.5	54.2	141.4	89.9	47.0	15.7	4.3	4.0	618.7	
1958	0.0	0.0	6.7	16.0	61.8	88.9	61.1	50.0	61.4	4.7	31.2	0.0	423.6	
1959	16.0	0.4	19.8	66.2	50.8	71.8	68.1	97.0	41.4	35.0	0.0	0.0	450.3	
1960	23.5	0.0	18.8	28.3	26.9	178.1	68.6	229.1	32.6	55.5	0.7	0.0	470.1	
1961	28.4	4.1	74.0	6.6	38.3	5.2	141.5	128.9	105.2	18.2	0.0	0.0	664.4	
1962	1.5	0.0	11.2	50.0	63.0	123.5	123.4	90.5	169.8	47.8	5.5	0.0	536.2	
1963	0.0	11.0	20.7	36.0	33.5	136.4	184.0	216.1	108.0	42.2	24.9	2.0	830.8	
1964	15.0	1.0	4.0	19.0	33.0	162.0	149.0	67.0	23.0	4.0	14.0	50.0	341.0	
1965	6.0	7.0	3.0	17.0	43.0	159.0	139.0	81.0	40.0	38.0	31.0	10.0	574.0	
1966	-1.0	-1.0	6.0	7.0	40.0	157.0	139.0	82.0	18.0	19.0	-1.0	72.0	-1.0	
1967	13.0	-1.0	4.3	1.0	54.0	31.0	70.0	55.0	56.0	22.0	-1.0	8.0	-1.0	
1968	4.0	8.0	30.0	37.0	42.6	48.0	18.8	47.9	90.8	25.2	32.8	58.2	543.3	
NTA	0.0	0.0	0.0	0.0	0.0	9.9	9.2	18.8	12.6	7.5	0.1	0.0	341.0	
MAX	64.0	56.0	168.0	50.0	638.0	464.0	528.0	549.0	288.0	167.0	176.0	109.0	1700.0	
PRCM	10.7	9.8	28.7	61.7	141.7	164.4	146.1	120.1	70.3	33.1	27.3	19.9	824.0	
DESV	14.7	14.2	32.8	73.6	108.2	92.6	103.2	89.3	51.1	28.3	30.1	23.4	290.5	
CV	1.4	1.4	1.1	1.2	0.8	0.6	0.7	0.7	0.7	0.9	1.1	1.2	0.4	

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORREGIDOS

95.

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZCNA 7 HCYA 125 ITATA BIC BIC SUP 1525 (KM2)  
 EST 4 TALCAHUANO PRCP 0MC TIPC PV  
 LAT 3643 LCN 7307 ALT 84 (MTS)  
 \*\*\*\*\*

ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1919	4.5	30.8	18.7	175.4	393.6	192.6	368.3	121.0	111.8	11.3	80.8	28.2	1537.0
1920	0.9	30.9	27.0	41.6	311.4	237.8	55.5	169.3	101.8	69.7	49.1	11.5	1136.0
1921	10.3	14.9	7.5	73.2	311.2	154.4	55.5	127.2	12.4	35.6	0.0	40.6	902.1
1922	2.8	0.0	5.6	16.0	71.9	265.5	181.6	-1.0	-1.0	-1.0	1.6	0.0	-1.0
1923	5.0	34.8	76.4	1.2	35.5	242.1	153.3	263.8	41.5	57.2	67.3	32.5	1054.9
1924	0.2	21.2	48.4	19.7	52.0	168.5	152.0	71.1	45.5	3.5	0.0	2.4	586.8
1925	2.5	9.9	30.9	153.0	46.0	210.4	171.2	127.1	361.4	22.0	54.0	27.9	1217.2
1926	4.3	4.6	17.6	64.1	138.5	482.4	228.1	235.7	102.7	65.2	6.5	64.8	1610.5
1927	4.2	10.8	35.3	37.9	387.1	268.4	255.8	120.8	251.2	35.5	23.9	2.4	1432.3
1928	1.2	17.9	49.9	42.0	139.8	181.2	112.7	49.7	24.5	3.5	36.0	21.9	958.7
1929	6.0	2.0	2.0	6.0	10.0	132.0	112.0	237.7	132.0	43.0	14.0	48.0	971.0
1930	2.0	0.0	21.0	265.0	121.0	293.0	446.0	154.0	76.0	165.0	42.0	120.0	1705.0
1931	6.3	0.0	34.0	82.0	49.0	324.0	216.0	222.0	36.0	100.0	29.0	0.0	1155.0
1932	5.0	1.0	20.0	171.0	35.0	500.0	119.0	244.0	83.0	101.0	24.0	91.0	1598.0
1933	8.6	0.0	18.0	142.0	139.0	214.0	320.0	163.0	78.0	66.0	1.0	41.1	1078.1
1934	1.5	16.0	37.7	17.0	219.9	476.9	128.2	59.0	47.3	42.9	5.4	6.3	1058.1
1935	5.4	59.6	18.0	17.9	238.0	295.0	150.0	182.0	64.0	126.0	46.0	27.0	1277.5
1936	7.0	8.0	41.0	129.0	212.0	159.0	157.0	212.0	47.0	26.0	12.0	59.0	1069.0
1937	0.0	53.0	8.0	26.0	77.0	107.0	194.0	342.0	37.0	14.0	26.0	5.0	889.0
1938	9.0	0.0	10.0	44.0	146.0	165.0	254.0	59.0	112.0	47.0	44.0	4.0	990.0
1939	2.5	54.0	7.0	13.0	256.0	265.0	74.0	200.0	71.0	140.0	0.0	13.0	1120.0
1940	0.0	63.0	5.0	84.0	249.0	394.0	418.0	54.0	94.0	77.0	65.0	18.0	1521.0
1941	0.0	29.0	35.0	75.0	152.0	177.0	664.0	277.0	31.0	61.0	105.0	47.0	1553.0
1942	3.0	5.0	10.0	34.0	60.0	100.0	223.0	199.0	67.0	25.0	51.0	0.0	777.0
1943	0.0	0.2	6.0	42.0	217.0	121.0	152.0	228.0	116.0	26.0	17.0	0.0	984.2
1944	3.0	4.0	0.0	17.0	192.0	195.0	130.0	274.0	57.0	121.0	34.0	0.0	1027.0
1945	0.4	68.0	39.0	50.5	356.0	198.0	202.0	169.0	68.0	17.0	75.0	14.0	1158.1
1946	2.0	21.6	13.0	42.1	227.0	168.3	156.0	90.0	157.0	27.5	57.5	61.4	1044.4
1947	0.0	1.5	76.1	66.0	108.0	281.8	181.0	105.0	131.2	62.9	22.0	10.0	1045.7
1948	7.0	0.1	9.2	85.4	185.1	126.9	182.0	103.0	211.0	59.0	0.5	38.0	1007.2
1949	0.0	32.0	42.0	25.0	350.0	294.8	79.2	222.0	13.0	9.5	0.0	45.5	913.7
1950	0.0	0.0	28.0	76.5	428.8	276.8	94.0	298.3	110.0	32.0	9.0	0.0	1443.4
1951	71.0	6.0	13.0	3.0	244.0	242.7	318.0	73.5	85.0	12.0	65.0	25.0	1258.4
1952	0.0	0.0	59.0	1.0	120.0	212.0	149.0	110.0	44.0	109.2	14.0	0.0	815.2
1953	3.4	8.0	18.0	47.0	213.0	65.2	37.7	156.6	124.0	12.0	13.0	7.0	941.6
1954	0.0	0.5	3.3	122.0	215.5	14.2	33.8	76.1	55.5	44.5	18.5	13.0	1423.2
1955	1.0	0.0	1.0	102.5	101.0	190.9	22.0	200.0	30.0	18.0	0.0	44.4	788.1
1956	8.6	17.0	44.9	137.5	148.3	91.0	185.5	62.4	44.0	42.5	6.0	0.0	866.0
1957	11.0	0.0	0.0	14.5	244.4	73.5	272.8	224.0	83.0	34.0	20.0	70.0	1147.0
1958	2.4	0.0	19.6	54.2	444.4	205.4	133.8	156.6	129.7	9.6	84.7	0.2	1141.0
1959	6.0	0.1	6.7	170.7	152.0	98.1	266.1	120.0	89.7	15.0	0.0	0.0	1197.8
1960	50.0	0.0	5.7	33.8	48.3	320.4	186.0	40.3	79.0	103.0	8.2	10.4	936.8
1961	6.4	1.2	7.5	14.8	94.6	128.9	294.0	200.0	30.5	30.5	5.3	0.0	1114.6
1962	2.0	0.0	22.0	11.0	34.6	196.6	18.4	163.5	58.9	63.4	28.1	9.0	711.5
1963	0.2	0.0	34.6	41.0	44.5	177.5	281.5	222.5	152.5	62.0	97.0	10.0	1223.3

	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1964	46.0	8.0	9.0	17.0	80.0	157.0	125.0	271.0	92.0	4.0	46.0	149.0	1004.0
1965	3.0	73.0	12.0	168.0	128.0	259.0	361.0	389.0	60.0	86.0	179.0	36.0	1794.0
1966	1.0	2.0	8.0	140.0	103.0	364.0	396.0	270.0	32.0	63.0	14.0	109.0	1502.0
1967	32.0	39.0	17.0	20.0	329.0	192.0	228.0	146.0	152.0	76.0	80.0	58.0	1309.0
1968	1.5	26.0	27.0	62.5	20.0	-1.0	69.5	79.5	112.5	57.5	60.5	73.0	-1.0
MIN	0.0	0.0	0.0	1.0	20.0	65.2	18.4	22.1	12.4	3.5	0.0	0.0	586.8
MAX	86.9	73.0	173.6	265.0	428.3	500.0	564.0	389.0	361.4	165.0	179.0	149.0	1794.0
PRCM	18.0	16.7	34.3	70.3	179.9	227.2	206.1	171.4	92.3	55.3	36.6	29.9	1145.7
DESV	25.9	21.6	31.9	58.8	113.2	106.2	115.2	86.8	64.6	41.3	36.6	34.3	272.6
CV	1.4	1.3	0.9	0.8	0.6	0.5	0.6	0.5	0.7	0.7	1.0	1.1	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORRIDOS

\*\*\*\*\*  
 ZONA 7 HOYA 125 ITATA BIO BIO SUP 1525 (KM2)  
 EST 5 PENCO

PRECIPITACIONES (MM)

LAT 3644 LON 7300 ALT 13 (MTS)

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1913	-1.0	-1.0	-1.0	-1.0	208.8	75.8	296.1	126.3	48.8	17.8	0.0	25.6	-1.0
1914	43.2	0.0	18.0	25.2	143.5	205.0	314.7	115.4	166.8	58.1	49.8	15.6	1155.3
1915	0.0	12.5	3.6	135.0	393.7	152.2	299.4	155.8	56.2	16.6	145.0	3.0	1373.0
1916	45.5	0.0	74.2	50.0	164.1	30.7	126.8	177.6	204.1	30.8	105.8	45.2	1054.8
1917	11.2	42.2	2.6	16.2	87.6	242.5	51.1	56.7	174.1	33.7	8.8	58.2	784.9
1918	4.6	0.0	87.4	123.0	200.0	101.9	149.5	67.8	94.8	69.6	155.5	0.0	1054.1
1919	3.2	14.4	26.0	152.0	405.9	221.0	253.0	128.4	127.2	11.2	37.2	12.6	1392.1
1920	0.0	0.0	91.7	38.0	294.2	222.4	52.3	149.7	81.6	78.0	49.2	15.6	1072.7
1921	17.6	12.1	26.0	61.7	318.7	209.2	35.8	128.8	5.5	17.4	2.8	44.2	879.8
1922	44.0	1.8	115.5	43.5	75.5	324.0	329.4	228.8	101.0	68.3	0.0	0.0	1331.8
1923	7.2	38.5	85.7	1.5	42.3	236.5	129.1	237.9	36.1	103.4	79.0	29.2	1026.4
1924	0.0	20.7	46.5	14.5	59.5	197.0	133.7	47.0	33.7	1.0	0.0	2.0	555.6
1925	1.0	11.5	23.5	132.5	37.5	202.9	156.0	118.0	358.5	26.0	42.0	30.0	1139.4
1926	5.8	8.5	160.0	50.5	131.0	465.2	277.8	228.5	119.0	71.5	3.5	52.5	1573.8
1927	1.5	10.0	24.0	30.0	419.0	153.0	219.0	79.0	158.0	32.0	15.5	6.0	1147.0
1928	15.5	16.0	37.0	144.0	239.5	160.0	155.0	26.5	10.5	13.7	40.5	23.0	881.2
1929	61.0	0.0	0.0	41.0	106.0	178.0	95.0	193.0	105.0	46.0	15.0	50.0	890.0
1930	0.0	0.0	21.0	240.0	111.0	268.0	398.0	153.0	59.0	164.0	51.0	105.0	1570.0
1931	40.0	0.0	34.0	112.0	57.0	304.0	197.0	134.0	86.0	61.0	36.0	0.0	1041.0
1932	5.0	2.0	10.0	137.0	20.0	417.0	286.0	205.0	38.0	52.0	10.0	74.0	1256.0
1933	84.0	0.0	18.0	114.0	138.0	180.0	121.0	199.0	64.0	34.0	0.0	51.0	1003.0
1934	-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
1935	-1.0	64.0	12.0	21.0	210.0	214.0	134.0	167.0	42.0	84.0	41.0	49.0	-1.0
1938	-1.0	0.0	-1.0	-1.0	111.0	231.0	281.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1939	-1.0	-1.0	-1.0	0.0	237.0	218.0	57.0	263.0	76.0	172.0	0.0	9.0	-1.0
1940	0.0	35.0	11.0	123.0	297.0	329.0	437.0	36.0	82.0	64.0	40.0	40.0	1494.0
1941	0.0	27.0	32.0	55.0	148.0	166.0	398.0	197.1	18.0	34.0	-1.0	55.0	-1.0
1942	0.0	9.0	22.0	34.0	102.0	51.0	206.0	284.0	91.0	39.0	-1.0	-1.0	-1.0
1943	0.0	13.0	13.0	45.0	231.0	101.0	156.0	111.0	223.0	17.0	40.0	-1.0	-1.0
1944	9.0	26.0	15.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1945	10.5	22.5	23.0	31.0	405.0	115.0	178.0	245.0	82.5	21.5	99.5	14.5	1248.0
1946	48.0	13.5	27.0	48.0	202.0	115.5	130.5	129.0	68.0	30.0	77.0	49.2	937.7
1947	-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
1948	-1.0	-1.0	-1.0	-1.0	244.0	122.0	234.0	131.0	192.0	33.0	1.5	32.0	-1.0
1949	0.0	10.9	35.0	13.0	222.5	314.0	46.0	15.0	0.0	0.0	4.0	29.5	689.0
1950	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
1951	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	152.0	13.0	123.5	11.8	-1.0
1952	0.0	0.0	49.0	0.0	163.0	185.0	153.5	71.0	58.0	81.0	12.0	0.0	772.5
1953	66.0	9.0	36.0	34.5	211.0	63.0	231.0	266.0	18.6	-1.0	-1.0	-1.0	-1.0
1954	0.0	11.0	0.0	-1.0	174.0	167.0	260.0	271.0	41.0	19.0	17.0	28.0	-1.0
1955	0.0	12.0	0.0	82.0	119.0	331.0	68.0	177.0	54.0	3.0	0.0	35.0	881.0
1956	47.0	5.0	102.0	82.0	174.0	76.0	178.0	88.0	57.0	35.0	6.0	0.0	850.0
1957	15.0	0.0	0.0	27.0	310.0	78.0	283.0	193.0	70.0	30.0	26.0	30.0	1062.0
1958	0.0	0.0	18.1	24.0	233.0	237.0	215.0	183.0	62.0	13.0	46.0	0.0	1031.1
1959	33.0	0.0	51.0	287.0	96.0	161.0	272.0	88.0	70.0	48.0	0.0	0.0	1106.0
1960	43.0	0.0	61.0	49.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1961	0.0	0.0	20.0	10.0	42.0	183.0	330.5	239.5	214.2	58.5	7.7	0.0	-1.0
1962	0.0	0.0	42.0	85.2	-1.0	183.3	17.5	46.8	58.0	77.5	19.9	3.2	583.6
1963	0.0	8.2	12.2	60.8	49.8	167.4	254.3	343.2	178.0	96.7	84.6	20.3	1275.5
1964	40.2	9.2	4.8	23.5	-1.0	195.8	128.5	208.2	55.4	8.1	57.6	-1.0	-1.0

	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1965	20.7	63.5	12.4	191.9	147.8	242.8	421.4	338.0	62.2	80.2	169.6	42.3	1792.8
1966	0.0	3.4	11.5	125.8	100.6	379.7	293.7	243.2	26.0	45.1	16.9	137.7	1382.8
1967	29.0	49.0	23.0	17.0	253.0	181.0	220.0	151.0	117.0	64.0	47.0	25.0	1176.0
1968	0.0	24.4	31.6	68.4	28.8	266.3	88.1	86.2	82.8	75.6	67.9	108.7	928.8
MIN	0.0	0.0	0.0	0.0	20.0	30.7	17.5	15.0	0.0	0.0	0.0	0.0	555.6
MAX	84.0	64.0	160.0	287.0	419.0	465.2	437.0	343.2	358.5	172.0	165.6	137.7	1792.8
PROM	16.3	12.6	34.1	71.1	177.5	200.4	203.1	160.2	90.8	47.8	41.1	31.0	1094.2
DESV	22.1	16.3	34.1	64.0	106.8	93.3	107.1	81.1	69.1	37.2	44.4	31.0	279.6
CV	1.3	1.3	1.0	0.9	0.6	0.5	0.5	0.5	0.8	0.8	1.1	1.0	0.3

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRELIMINAR (MM)

ZONA 7

HOYA 125 ITATA-BIO BJO

SUP 1525 (KM2)

EST 7 PTA HUALPEN

LAT 3646 LON 7312 ALT 48 (MTS)

\*\*\*\*\*

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

100

1923	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	137.8	31.2	73.2	46.0	19.2	-1.0
1924	0.4	15.5	36.8	11.2	21.8	90.2	94.5	39.5	35.0	3.8	1.0	1.5	351.2
1925	0.0	4.4	20.5	63.9	36.3	145.4	116.5	55.7	227.3	13.4	45.4	32.0	760.8
1926	1.2	7.0	88.0	43.1	92.5	350.6	120.6	157.1	116.8	54.4	7.0	56.4	1106.7
1927	2.0	12.3	10.9	7.2	220.1	135.4	145.0	64.3	85.5	23.0	21.0	8.2	742.5
1928	13.2	9.2	21.1	54.5	159.5	10.2	51.0	33.3	10.4	7.3	46.4	32.4	539.8
1929	25.0	0.0	0.0	20.0	86.0	184.0	39.0	116.0	65.0	36.0	11.0	41.0	621.0
1930	0.0	0.0	11.0	169.0	76.0	150.0	215.0	114.0	29.0	84.0	27.0	75.0	951.0
1931	44.0	4.0	28.0	82.0	51.0	187.0	166.0	121.0	35.0	14.0	17.0	0.0	749.0
1932	0.0	0.4	7.0	122.0	31.0	427.0	168.0	152.0	64.0	40.0	13.0	69.0	1093.4
1933	47.0	58.0	22.0	84.0	101.0	110.0	62.0	106.0	44.0	26.0	3.0	34.0	697.0
1934	3.0	5.0	30.0	18.0	106.0	303.0	79.0	61.0	39.0	32.0	12.0	10.0	698.0
1935	12.0	27.0	4.0	7.0	284.0	190.0	103.0	159.0	38.0	138.0	36.0	13.0	1011.0
1936	3.0	10.0	23.0	101.0	142.0	87.0	118.0	107.0	31.0	33.2	25.0	47.0	727.2
1937	0.0	39.0	5.0	26.0	70.0	63.0	115.0	250.0	38.0	15.0	1.0	7.0	629.0
1938	10.0	0.0	76.0	22.0	114.0	103.0	182.0	47.0	57.0	44.0	37.0	9.0	701.0
1939	15.0	37.0	4.0	10.0	157.0	106.0	29.0	190.0	47.0	89.0	0.0	8.0	692.0
1940	0.0	52.0	11.0	81.0	230.0	232.0	275.0	32.0	45.0	29.0	38.0	29.0	1054.0
1941	0.0	44.0	29.0	53.0	83.0	125.0	303.0	161.0	28.0	31.0	91.0	31.0	979.0
1942	1.0	6.0	13.0	47.0	60.0	58.0	128.0	201.0	40.0	22.0	50.0	0.0	626.0
1943	0.0	1.0	66.0	13.0	222.0	84.0	109.0	101.0	157.0	8.0	5.0	0.0	766.0
1944	6.0	5.0	0.0	19.0	116.6	131.8	68.8	158.2	52.6	93.5	45.4	0.0	696.9
1945	3.5	49.5	25.5	51.0	133.1	42.8	175.2	112.9	55.0	21.3	63.1	2.8	735.7
1946	10.7	13.0	6.7	31.4	143.1	99.4	90.4	47.1	119.9	12.8	52.7	59.0	686.2
1947	2.8	0.7	58.1	51.0	61.7	223.1	127.0	66.1	94.1	58.4	26.8	7.4	777.2
1948	9.1	0.0	22.5	90.0	154.9	102.1	194.7	150.3	138.6	32.5	0.0	23.2	917.9
1949	0.0	25.0	40.9	18.4	343.2	287.8	74.9	35.2	13.9	1.5	2.4	44.1	887.3
1950	0.6	0.0	38.2	96.7	255.3	191.9	53.5	176.7	97.6	30.5	69.0	3.6	1013.6
1951	66.4	6.0	0.0	7.0	212.2	255.0	221.6	57.5	79.7	17.3	92.9	22.0	1037.6
1952	0.0	4.5	47.9	0.0	92.5	113.2	86.7	46.3	32.8	59.0	20.3	0.0	503.2
1953	46.5	6.5	12.4	55.8	156.2	86.3	199.1	174.2	145.3	23.0	0.0	2.4	907.7
1954	0.4	31.8	8.4	42.1	227.8	322.2	246.0	105.8	52.4	27.9	7.3	20.5	1092.6
1955	10.8	44.9	1.8	48.5	80.6	194.1	43.2	138.2	16.7	7.3	0.0	48.3	634.4
1956	58.2	28.7	65.0	32.7	114.8	26.1	160.2	43.1	23.7	31.0	4.5	0.2	588.2
1957	2.7	0.0	0.0	13.3	259.0	41.9	360.4	199.0	78.5	20.5	24.0	76.5	1075.8
1958	0.0	0.0	0.5	55.2	216.1	196.6	134.3	123.4	103.0	8.0	36.3	0.0	873.4
1959	69.0	1.5	32.5	154.0	148.0	104.5	284.0	91.5	138.0	83.5	0.0	0.0	1106.5
1961	71.0	3.0	62.5	15.0	74.0	151.0	292.0	175.5	185.5	22.0	5.0	0.0	1057.0
1962	0.0	0.0	31.0	60.0	33.0	236.7	17.5	46.8	58.0	77.5	19.9	3.2	583.6
1963	0.8	9.3	15.3	37.4	33.1	201.7	220.5	262.4	106.8	46.5	73.8	6.0	1013.6
1964	20.0	4.0	1.0	19.0	34.0	76.0	51.0	121.0	43.0	7.0	20.0	65.0	461.0
1965	3.0	23.0	11.0	73.0	79.0	102.0	145.0	152.0	24.0	33.0	82.0	24.0	751.0
1966	0.0	0.0	2.0	51.0	36.0	252.0	295.0	74.0	-1.0	2.5	4.3	103.0	-1.0
1967	14.0	26.0	7.5	7.0	162.0	63.0	76.0	50.0	31.0	22.0	16.0	10.0	484.5
1968	0.5	5.5	14.0	14.5	6.0	120.7	27.0	33.2	57.3	44.6	21.2	65.3	409.8

MIN	0.0	0.0	0.0	0.0	6.0	26.1	17.5	32.0	10.4	1.5	0.0	0.0	351.2
MAX	71.0	58.0	88.0	169.0	343.2	427.0	360.4	262.4	227.3	138.0	92.9	103.0	1106.7
PROM	13.0	14.1	23.0	47.2	125.3	156.1	142.4	112.1	68.4	35.6	27.1	24.7	785.9
DESV	20.9	16.8	22.6	39.1	80.3	90.1	86.4	60.5	48.9	29.1	26.0	26.5	210.7
CV	1.6	1.2	1.0	0.8	0.6	0.6	0.6	0.5	0.7	0.8	1.0	1.1	0.3

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



\*\*\*\*\*  
 ZONA 7 HOYA 125 ITAIA BIO BIO SUP 1525 (KM2)  
 EST 8 NONQUEN  
 LAT 3652 LUN 7258 ALT 145 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1918	-1.0	-1.0	-1.0	204.7	340.0	223.7	304.6	183.5	162.1	35.9	284.9	4.1	-1.0
1919	0.0	29.8	44.9	253.6	543.5	287.7	533.8	220.5	253.1	19.6	175.0	24.6	2386.1
1920	0.5	0.4	121.9	46.5	471.4	308.4	124.1	211.3	171.5	103.9	85.3	26.2	1671.4
1921	15.9	26.3	32.6	117.3	458.0	327.2	70.8	317.4	8.6	42.8	3.0	99.6	1519.5
1922	23.3	40.8	167.3	37.6	82.8	552.9	526.9	323.5	131.9	117.1	9.0	0.0	2013.1
1923	7.9	47.0	100.7	6.9	62.4	322.6	233.6	345.5	91.0	148.9	90.5	55.9	1512.9
1924	1.8	39.9	75.5	33.3	101.4	283.4	263.9	52.2	49.1	1.5	2.0	0.2	902.2
1925	1.1	19.9	30.6	179.9	159.7	283.5	231.0	223.6	465.3	30.1	72.4	49.6	1746.7
1926	13.5	6.4	233.7	46.3	165.5	675.8	384.5	217.3	190.5	152.0	17.2	99.5	2202.6
1927	8.3	10.5	41.4	84.4	472.1	247.8	301.7	170.7	299.0	64.7	37.6	17.8	1756.0
1928	26.8	36.1	61.2	175.1	293.9	267.4	252.5	94.9	17.3	34.7	41.5	53.3	1454.7
1929	82.0	0.0	3.0	53.0	106.0	313.0	160.0	286.0	263.0	48.0	42.0	99.0	1455.0
1930	1.0	0.0	37.0	335.0	172.0	525.0	652.0	231.0	109.0	182.0	137.0	179.0	2560.0
1931	86.0	0.0	39.0	44.0	95.0	457.0	277.0	243.0	53.0	132.0	32.0	0.0	1558.0
1932	8.0	4.0	39.0	256.0	37.0	714.0	406.0	382.0	133.0	185.0	31.0	94.0	2289.0
1933	167.0	15.0	35.0	67.0	220.0	322.0	190.0	324.0	64.0	87.0	11.0	80.0	1682.0
1934	5.0	26.0	66.0	30.0	329.0	737.0	226.0	86.0	54.0	75.0	9.0	19.0	1662.0
1935	57.0	112.0	35.0	28.0	351.0	350.0	231.0	281.0	184.0	152.0	140.0	46.0	1967.0
1936	20.0	10.0	48.0	218.0	431.0	341.0	309.0	284.0	119.0	71.0	32.0	77.0	1960.0
1937	0.0	73.0	1.0	39.0	228.0	185.0	295.0	517.0	72.0	22.0	41.0	10.0	1503.0
1938	17.0	0.0	132.0	35.0	325.0	239.0	423.0	126.0	160.0	94.0	131.0	0.0	1682.0
1939	47.0	81.0	10.0	21.0	483.0	330.0	127.0	320.0	120.0	213.0	1.0	19.0	1772.0
1940	4.0	84.0	9.0	235.0	535.0	489.0	523.0	58.0	75.0	99.0	84.0	68.0	2243.0
1941	0.0	59.0	41.0	69.0	178.0	243.0	530.0	318.0	31.0	74.0	165.0	67.0	1775.0
1942	5.0	11.0	19.0	74.0	96.0	177.0	267.0	263.0	85.0	38.0	50.0	1.0	1086.0
1943	0.0	5.0	95.0	37.0	345.0	136.0	144.0	175.0	111.0	20.0	19.0	0.0	1087.0
1944	12.0	5.0	5.0	29.0	205.9	242.5	100.5	262.3	24.7	128.1	59.3	0.0	1074.3
1945	0.8	67.5	49.4	93.4	286.5	129.1	256.2	184.0	103.9	42.1	147.4	11.2	1371.5
1946	28.2	32.2	15.5	84.5	230.1	241.3	253.9	96.2	186.6	50.3	96.8	88.9	1406.5
1947	6.8	1.6	99.1	51.9	147.9	438.5	179.4	177.0	185.0	50.2	57.4	25.2	1420.0
1948	12.1	0.6	20.8	134.7	254.3	201.3	391.3	136.7	297.3	76.8	0.4	53.0	1579.3
1949	0.0	49.2	72.3	33.8	484.8	403.0	85.5	53.3	22.3	5.4	9.4	93.1	1312.1
1950	0.0	0.0	84.0	185.8	448.5	356.8	147.8	497.0	161.6	87.1	111.5	8.9	2089.0
1951	164.1	13.4	29.1	6.8	511.6	533.1	383.4	112.0	149.6	30.1	176.0	33.7	2142.9
1952	0.0	15.0	120.8	6.2	297.9	235.0	220.4	119.3	81.7	123.8	37.8	0.6	1258.5
1953	137.1	7.4	48.5	88.9	426.0	160.8	314.0	464.2	324.3	60.0	14.4	29.3	2074.9
1954	9.3	27.0	5.6	158.4	312.7	433.5	467.0	427.1	106.6	57.3	24.6	34.8	2064.1
1955	0.0	40.5	0.7	132.4	122.9	447.1	103.9	299.4	71.2	9.4	0.0	125.8	1353.3
1956	185.4	18.0	202.1	134.0	234.1	127.6	297.1	161.0	104.1	88.7	28.1	0.0	1580.2
1957	27.6	0.0	0.7	68.1	494.3	105.5	428.9	397.2	118.9	58.7	85.8	89.8	1875.5
1958	8.3	0.0	11.5	83.3	419.7	459.6	256.5	264.3	170.1	11.3	161.2	0.0	1845.8
1959	68.2	3.8	47.1	365.8	267.6	185.2	464.8	238.5	212.3	122.9	5.2	0.0	1981.4
1960	82.3	0.0	83.6	76.9	97.7	486.3	329.3	112.6	82.8	201.9	33.8	27.7	1614.9
1961	74.0	6.3	89.9	32.9	113.7	260.6	576.1	314.2	384.7	128.2	6.4	0.0	1987.0
1962	2.5	0.0	35.6	143.0	61.6	323.5	34.4	238.4	88.0	66.7	36.2	11.5	1041.4
1963	0.0	25.8	31.9	72.1	78.0	297.5	300.5	514.1	208.5	104.8	108.5	9.5	1751.2
1964	41.0	13.0	17.0	28.0	107.0	138.0	183.0	240.0	102.0	12.0	63.0	-1.0	-1.0
1965	9.0	73.0	18.0	187.0	170.0	289.0	285.0	332.0	81.0	120.0	188.0	52.0	1804.0
1966	1.0	2.0	27.0	174.0	150.0	534.0	414.0	299.0	51.0	46.0	30.0	138.0	1866.0
1967	58.0	63.0	22.0	-1.0	-1.0	534.0	267.0	198.0	91.0	112.0	28.0	30.0	-1.0

101.

ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1968	1.9	42.5	23.7	70.8	41.5	231.0	115.2	100.5	141.2	60.7	76.6	105.8	1011.4
MIN	0.0	0.0	0.7	6.2	37.0	105.5	34.4	52.2	8.6	1.5	0.0	0.0	902.2
MAX	185.4	112.0	233.7	365.8	543.5	737.0	652.0	517.0	465.3	213.0	284.9	179.0	2560.0
PROM	30.6	24.9	53.6	103.4	262.9	335.9	291.0	245.0	137.7	80.3	65.3	43.2	1686.5
DESV	46.9	27.6	51.0	85.7	155.3	153.1	143.4	118.9	94.9	53.4	62.8	43.8	384.2
CV	1.5	1.1	1.0	0.8	0.6	0.5	0.5	0.5	0.7	0.7	1.0	1.0	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 7 HOYA 126 BIO BIO IMPERIAL SUP 6179 (KM2)

EST 1 CORONEL

LAT 3701 LON 7310 ALT 5 (MTS)

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1918	-1.0	-1.0	-1.0	59.8	207.4	141.1	182.9	133.4	88.5	22.5	178.9	0.0	-1.0
1919	5.5	20.3	24.0	194.4	451.1	201.9	358.3	111.8	158.8	10.0	82.8	8.7	1627.6
1920	0.0	0.0	43.1	26.2	177.1	126.9	86.4	147.7	86.5	57.1	60.8	14.7	826.5
1921	18.3	19.0	17.4	80.1	279.2	164.7	41.2	111.5	11.5	21.9	0.0	34.0	798.8
1922	32.9	3.0	84.8	45.0	53.3	278.4	251.0	230.8	64.3	-1.0	0.0	0.0	-1.0
1923	7.5	29.0	61.0	5.5	30.0	215.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1924	-1.0	-1.0	-1.0	-1.0	44.8	189.4	136.8	66.5	37.0	3.8	3.7	-1.0	-1.0
1925	0.6	35.0	31.2	138.9	65.8	256.2	160.0	194.6	306.0	26.0	81.1	38.6	1334.0
1926	37.4	31.1	185.7	58.2	118.5	506.0	272.9	211.2	117.3	80.7	21.6	40.7	1681.3
1927	10.2	30.5	-1.0	24.9	452.6	181.4	238.5	133.0	297.0	35.0	36.0	-1.0	-1.0
1931	145.0	2.0	20.0	89.0	77.0	313.0	270.0	174.0	39.0	65.0	32.0	2.0	1228.0
1932	3.0	7.0	35.0	334.0	26.0	471.0	287.0	335.0	87.0	133.0	5.0	69.0	1792.0
1933	95.0	10.0	44.0	122.0	182.0	255.0	167.0	165.0	83.0	82.0	7.0	-1.0	-1.0
1934	0.0	8.0	44.0	33.0	236.0	422.0	127.0	64.0	59.0	32.0	-1.0	-1.0	-1.0
1935	12.0	72.0	15.0	15.0	352.0	315.0	195.0	155.0	118.0	87.0	82.0	37.0	1455.0
1936	12.0	14.0	36.0	130.0	337.0	198.0	-1.0	-1.0	88.0	24.0	38.0	63.0	-1.0
1937	0.0	86.0	9.0	59.0	262.0	180.0	266.0	425.0	84.0	30.0	32.0	9.0	1442.0
1938	-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
1939	-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
1940	3.0	30.0	29.0	55.0	327.0	296.0	282.0	23.0	150.0	76.0	65.0	33.0	1369.0
1941	0.0	18.0	20.0	97.0	144.0	237.0	573.0	260.0	26.0	48.0	347.0	47.0	1817.0
1942	10.0	25.0	12.0	135.0	116.0	103.0	314.0	350.0	81.0	69.0	34.0	0.0	1249.0
1943	0.0	1.0	30.0	31.0	270.0	89.0	112.0	152.0	117.0	0.0	21.0	0.0	823.0
1944	0.0	0.0	2.6	37.0	319.0	280.0	144.0	289.0	92.0	133.0	44.0	0.0	1340.6
1945	5.0	144.0	81.0	187.0	383.0	74.0	313.0	189.0	122.0	66.0	76.0	12.0	1652.0
1946	74.0	41.0	52.0	49.0	246.0	274.0	-1.0	-1.0	127.0	60.0	79.0	35.0	-1.0
1947	7.0	0.0	27.0	39.0	140.0	267.0	-1.0	-1.0	96.5	119.0	41.0	3.0	-1.0
1948	3.0	1.0	2.0	106.0	287.0	175.0	293.0	121.0	239.0	57.0	0.0	25.0	1309.0
1949	0.0	23.0	95.0	31.0	361.0	284.0	109.0	43.0	19.0	0.0	34.0	54.0	1053.0
1950	0.0	3.0	62.0	106.0	334.0	371.0	111.0	396.0	182.0	74.0	85.0	24.0	1748.0
1951	89.0	29.0	13.0	4.0	400.0	535.0	258.0	97.0	94.0	10.0	119.5	29.5	1678.0
1952	0.0	7.1	95.5	6.0	141.3	158.0	151.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1953	68.7	16.9	43.3	61.8	369.7	91.1	251.2	257.3	199.7	36.6	19.8	30.4	1386.5
1954	2.1	22.7	1.7	95.3	157.7	244.5	265.6	225.2	47.7	35.1	0.0	25.2	1122.8
1955	15.2	47.3	6.2	64.9	49.2	207.1	38.8	164.0	23.0	12.0	0.0	56.0	683.7
1956	43.0	12.0	67.0	134.2	124.0	74.0	215.0	73.0	64.5	36.5	3.0	1.5	847.7
1957	15.0	0.0	2.5	38.3	265.1	64.6	254.8	207.7	79.0	29.5	30.0	82.2	1068.7
1958	1.5	1.2	7.5	55.5	267.8	165.7	141.5	148.6	119.7	8.5	23.5	0.0	941.0
1959	100.0	0.0	39.3	237.1	150.2	113.0	246.0	117.1	108.0	77.0	0.0	0.0	1184.7
1960	57.0	0.0	49.0	34.0	67.0	335.0	210.0	84.0	67.0	89.0	16.6	15.5	1024.1
1961	7.9	2.5	74.0	23.0	95.5	133.5	319.5	276.0	182.0	51.0	6.0	0.0	1242.0
1962	0.0	0.0	28.0	86.0	-1.0	-1.0	-1.0	-1.0	48.0	68.0	12.0	5.5	-1.0
1963	0.0	19.0	28.0	70.0	72.0	223.0	194.5	320.0	105.5	84.0	84.5	12.0	1212.5
1964	39.0	12.6	4.6	21.5	111.0	104.0	93.5	-1.0	39.5	22.2	43.5	101.0	-1.0
1965	9.0	36.0	9.0	149.0	141.0	178.5	242.0	227.5	53.0	91.0	140.0	40.0	1316.0
1966	0.0	0.0	7.5	65.5	53.0	272.0	270.0	146.0	35.0	33.0	13.0	92.0	987.0
1967	33.0	37.0	11.0	11.0	229.0	102.0	214.0	112.0	102.0	62.0	27.0	18.0	958.0
1968	0.0	14.0	14.0	42.0	-1.0	-1.0	60.0	71.0	104.0	76.0	34.0	115.0	-1.0
MIN	0.0	0.0	1.7	4.0	26.0	64.6	38.8	23.0	11.5	0.0	0.0	0.0	683.7
MAX	145.0	144.0	185.7	334.0	452.6	535.0	573.0	425.0	306.0	133.0	347.0	115.0	1817.0
PROM	21.9	20.7	36.4	77.5	203.9	224.2	212.6	179.7	101.1	51.9	47.9	29.3	1256.2
DESV	33.7	26.9	35.1	66.4	123.3	114.1	100.3	97.6	66.3	34.3	61.7	30.3	316.9
CV	1.5	1.3	1.0	0.9	0.6	0.5	0.5	0.5	0.7	0.7	1.3	1.0	0.3

\*\*\*\*\*

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 7 HOYA 126 BIO BIO IMPERIAL SUP 6179 (KM2) 104.

EST 2 PTA PUCHOCO

LAT 3701 LON 7312 ALT 18 (MTS)

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1914	62.0	0.0	11.1	5.3	146.9	378.5	46.6	167.0	182.0	-1.0	-1.0	-1.0	-1.0
1915	15.0	0.0	8.8	152.3	404.3	126.0	207.0	113.4	46.0	131.0	22.5	20.0	1246.3
1916	28.0	6.0	99.1	93.0	153.2	56.0	91.0	174.0	119.5	45.0	93.0	38.0	995.8
1917	6.0	92.0	12.5	6.0	104.6	247.6	46.0	97.0	174.2	28.5	7.6	36.6	858.6
1918	47.0	0.2	50.1	127.0	187.4	167.6	154.8	122.9	90.2	28.0	178.0	2.7	1155.9
1919	5.8	23.8	21.7	205.8	455.9	198.8	319.2	103.0	122.7	11.7	75.3	13.5	1557.2
1920	0.0	0.0	58.2	43.1	223.5	185.6	97.1	166.9	102.4	60.6	57.3	14.0	1008.7
1921	19.7	13.2	21.3	65.1	328.8	164.7	41.2	111.5	3.0	31.6	0.8	68.0	868.9
1922	56.0	3.4	139.4	45.6	79.0	383.2	474.6	310.9	86.5	66.6	0.6	0.0	1645.8
1923	10.3	27.5	69.0	4.0	30.8	307.8	137.8	286.0	61.2	90.3	44.8	41.5	1111.0
1924	0.0	20.8	36.6	27.2	62.4	260.6	137.3	65.9	43.7	5.6	1.3	2.9	664.3
1925	3.7	23.0	22.4	133.2	58.0	204.8	167.3	118.5	289.5	49.6	31.4	18.5	1119.9
MIN	0.0	0.0	8.8	4.0	30.8	56.0	41.2	65.9	3.0	5.6	0.6	0.0	664.3
MAX	62.0	92.0	139.4	205.8	455.9	383.2	474.6	310.9	289.5	131.0	178.0	68.0	1645.8
PROM	21.1	17.5	45.8	75.6	186.2	223.4	160.0	153.1	110.1	49.9	46.6	23.2	1112.0
DESV	22.2	25.8	40.2	66.3	141.0	97.8	126.6	75.1	76.9	36.5	53.8	20.8	291.7
CV	1.1	1.5	0.9	0.9	0.8	0.4	0.8	0.5	0.7	0.7	1.2	0.9	0.3

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 7

HOYA 126 BIO BIO IMPERIAL

SUP 6179 (KM2)

105.

EST 3 LOTA ESTANQUE

LAT 3705 LON 7310 ALT 10 (MTS)

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1913	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	12.6	-1.0
1914	75.3	0.0	57.9	58.5	173.1	405.0	448.2	164.2	200.2	83.6	69.9	30.5	1766.4
1915	0.2	12.1	19.6	161.4	455.1	130.9	283.9	175.3	51.4	22.5	32.2	27.5	1372.1
1916	48.3	0.5	125.5	89.5	165.6	69.4	108.4	195.1	167.3	46.3	100.8	57.0	1173.7
1917	15.2	98.0	15.4	12.8	174.3	224.8	52.6	120.6	215.8	41.6	14.7	41.1	1026.9
1918	52.6	0.6	66.2	148.8	253.5	164.1	239.0	147.0	95.5	39.1	218.7	1.6	1426.7
1919	8.2	28.8	30.5	226.2	521.1	228.5	395.0	135.8	164.1	17.1	123.2	19.4	1897.9
1920	1.4	0.9	87.1	51.4	271.3	206.7	128.5	185.2	129.6	76.7	84.4	0.0	1223.2
1921	19.0	28.2	14.5	118.4	362.0	315.0	60.0	125.6	59.5	27.6	2.5	80.4	1212.7
1922	2.0	1.5	83.0	62.0	85.0	407.1	440.5	254.6	93.6	65.3	6.5	0.0	1501.3
1923	8.8	37.9	79.3	6.2	36.4	313.1	157.4	307.3	57.3	86.9	60.1	48.2	1198.9
1924	4.2	24.6	78.2	37.9	66.2	237.7	175.2	65.9	41.3	9.3	3.5	5.4	749.4
1925	6.1	32.3	21.3	182.9	82.5	262.5	160.2	150.2	299.7	40.0	76.1	40.0	1353.8
1926	14.6	7.7	191.1	87.8	158.1	420.9	250.4	299.5	146.1	104.6	30.9	90.7	1802.4
1927	7.5	30.4	42.6	35.8	440.7	211.8	306.3	147.5	272.5	128.0	33.7	16.0	1672.8
1945	0.0	54.1	50.4	87.5	314.0	90.4	238.5	163.8	136.0	27.0	53.0	6.0	1220.7
1946	19.0	27.0	22.0	58.2	227.5	149.0	209.0	68.0	110.5	27.0	90.0	68.0	1075.2
1947	13.0	1.0	37.0	34.0	108.0	465.0	141.0	124.0	138.0	131.0	32.0	18.0	1242.0
1948	16.0	0.0	27.0	135.0	287.0	176.0	322.0	118.0	243.0	39.0	2.0	44.0	1409.0
1949	0.0	32.0	91.5	30.5	423.5	379.1	89.5	27.9	15.1	0.0	21.0	54.0	1164.1
1950	0.0	0.0	64.0	143.0	339.0	331.0	113.0	404.8	165.0	48.0	75.5	61.9	1745.2
1951	62.5	8.5	8.0	0.0	313.0	284.5	293.0	57.5	96.5	21.0	117.0	18.0	1279.5
1952	0.0	0.0	107.0	6.0	190.0	213.0	207.5	67.0	-1.0	-1.0	-1.0	-1.0	-1.0
1953	102.0	16.0	29.0	100.5	249.0	91.0	285.0	257.5	251.0	40.5	-1.0	24.0	-1.0
1955	9.5	33.0	3.0	79.0	98.5	285.5	73.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1962	0.0	0.0	30.0	119.0	48.0	334.2	31.0	169.5	63.0	67.5	9.0	0.0	871.2
1963	1.0	17.5	35.5	74.5	75.0	177.5	162.0	312.5	82.0	88.5	115.0	0.0	1141.0
1964	61.5	12.0	6.5	25.5	124.5	115.0	120.0	187.5	52.0	15.7	25.0	102.0	745.2
1965	7.5	80.5	8.5	181.5	106.2	274.5	325.5	331.5	80.5	120.0	198.5	65.5	1780.2
1966	0.0	0.0	9.0	72.0	135.5	401.0	344.5	244.5	28.5	50.5	22.0	117.5	1307.5
1967	44.0	44.0	17.0	18.0	310.0	130.0	289.0	174.0	136.0	76.0	16.0	10.0	1264.0
1968	2.0	30.0	-1.0	66.0	40.0	178.0	74.0	92.0	106.0	96.0	45.0	110.0	-1.0
MIN	0.0	0.0	3.0	0.0	36.4	69.4	31.0	27.9	15.1	0.0	0.0	0.0	745.2
MAX	102.0	98.0	191.1	226.2	521.1	465.0	448.2	404.8	299.7	131.0	218.7	117.5	1897.9
PROM	19.4	21.3	48.6	81.0	214.0	247.5	210.4	175.8	127.5	56.4	57.9	39.0	1319.4
DESV	26.5	24.0	42.6	58.7	135.4	109.3	116.0	91.0	75.7	36.6	56.3	35.1	308.6
CV	1.4	1.1	0.9	0.7	0.6	0.4	0.6	0.5	0.6	0.6	1.0	0.9	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZCNA 7 HOYA 126 BIO BIO IMPERIAL SUP 6179 (KM2)  
 EST 4 PTA LAVAPIE  
 LAT 3708 LON 7335 ALT 31 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1904	11.5	0.6	73.0	77.2	218.2	257.0	326.2	81.7	141.7	45.4	27.4	4.8	1264.7
1905	0.0	0.0	191.6	52.1	161.0	189.9	180.6	67.1	68.2	51.6	1.9	23.5	987.5
1906	7.5	25.5	16.0	81.8	186.2	126.0	89.1	67.0	49.2	12.2	7.2	22.1	689.8
1907	33.1	34.1	2.2	0.0	97.2	106.4	113.5	127.3	94.2	34.9	4.0	50.8	697.7
1908	2.8	17.6	43.7	57.0	133.4	142.6	41.2	87.6	75.4	20.6	44.4	3.4	669.7
1909	0.6	7.2	0.0	59.6	60.1	113.9	92.5	73.7	45.3	7.0	84.4	25.1	569.4
1910	28.3	21.9	16.1	49.4	53.8	221.4	141.3	125.9	12.9	9.6	19.7	0.0	700.3
1912	0.2	8.9	12.7	94.4	84.8	104.9	83.8	85.7	11.9	64.4	23.5	14.4	589.6
1913	0.0	1.2	15.3	174.0	169.2	142.1	251.9	107.5	54.8	12.7	0.0	27.5	957.1
1914	31.2	0.0	0.0	32.7	96.3	162.5	225.3	73.1	102.3	54.2	74.3	37.8	889.7
1915	6.6	8.0	8.2	109.8	229.5	64.9	135.2	54.8	33.0	28.4	20.4	2.8	701.6
1916	31.7	0.0	81.8	56.7	29.9	39.9	55.6	97.9	122.2	25.9	60.5	49.5	651.6
1917	5.9	70.4	13.5	16.4	84.1	218.9	71.8	76.0	152.4	17.5	4.3	20.8	752.0
1918	29.6	1.2	27.6	107.0	119.9	183.7	93.4	99.0	58.6	32.2	100.7	2.8	855.7
1919	0.0	13.0	15.4	153.6	215.3	94.9	156.8	40.0	79.0	14.7	69.8	19.4	871.9
1920	1.3	2.5	26.5	52.9	240.1	153.8	58.1	155.9	64.8	30.8	56.8	18.0	861.5
1921	19.2	54.8	20.6	54.9	217.5	142.9	48.9	80.0	8.9	28.3	0.0	68.5	744.5
1922	30.0	0.2	49.3	64.0	76.5	180.4	208.0	150.7	57.0	36.7	11.1	0.0	863.9
1923	0.0	10.7	52.7	4.8	21.9	114.2	102.3	161.7	31.1	87.9	46.8	35.0	669.1
1924	0.0	7.6	50.8	36.7	35.1	148.4	83.1	32.1	36.3	17.1	4.2	12.5	463.9
1925	4.5	11.1	23.2	131.1	64.7	161.6	98.5	78.2	151.8	10.1	39.2	19.9	793.9
1926	12.5	5.8	120.8	65.0	100.4	368.8	183.7	159.9	78.5	43.6	20.6	75.1	1234.7
1927	0.0	39.8	32.3	41.3	254.3	88.9	142.8	55.9	159.9	88.0	39.2	12.0	954.4
1928	10.7	11.8	100.6	141.3	217.4	155.4	137.2	47.2	40.8	1.5	43.9	29.1	936.9
1929	64.0	9.0	15.0	22.0	86.0	122.0	29.0	99.0	60.0	25.0	12.0	81.0	624.0
1930	0.0	4.0	33.0	162.0	93.0	192.0	203.0	105.0	33.0	107.0	33.0	56.0	1021.0
1931	71.0	2.0	16.0	63.0	52.0	145.0	108.0	126.0	30.0	37.0	20.0	8.0	678.0
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
MIN	0.0	0.0	0.0	0.0	21.9	39.9	29.0	32.1	8.9	1.5	0.0	0.0	463.9
MAX	71.0	70.4	191.6	174.0	254.3	368.8	326.2	161.7	159.9	107.0	100.7	81.0	1264.7
PROM	14.9	13.7	39.2	72.6	125.8	153.4	128.2	93.2	68.6	35.0	32.2	26.7	803.5
DESV	19.3	17.6	43.0	47.3	72.9	64.7	70.8	36.5	44.3	26.5	27.8	23.2	190.1
CV	1.3	1.3	1.1	0.7	0.6	0.4	0.6	0.4	0.6	0.8	0.9	0.9	0.2
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 7 HOYA 126 BIO BIO IMPERIAL SUP 6179 (KM2) 107

EST 5 CARANPANGUE

LAT 3715 LON 7314 ALT 12 (MTS)

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1928	-1.0	-1.0	188.5	156.5	223.5	189.7	191.8	85.4	25.8	3.8	58.3	60.3	-1.0
1929	91.0	0.0	7.0	54.0	236.0	373.0	119.0	343.0	157.0	49.0	16.0	87.0	1532.0
1930	0.0	40.0	50.0	264.0	170.0	515.0	562.0	236.0	145.0	97.0	78.0	151.0	2308.0
1931	148.0	9.0	28.0	105.0	88.0	288.0	204.0	266.0	57.0	121.0	39.0	5.0	1358.0
1932	15.0	13.0	70.0	462.0	38.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	7.0	54.0	38.0	189.7	119.0	85.4	25.8	3.8	16.0	5.0	1358.0
MAX	148.0	40.0	188.5	462.0	236.0	515.0	562.0	343.0	157.0	121.0	78.0	151.0	2308.0
PROM	63.5	15.5	68.7	208.3	151.1	341.4	269.2	232.6	96.2	67.7	47.8	75.8	1732.7
DESV	69.0	17.2	71.0	161.7	86.0	137.8	198.8	108.0	64.7	52.1	26.5	60.6	505.8
CV	1.1	1.1	1.0	0.8	0.6	0.4	0.7	0.5	0.7	0.8	0.6	0.8	0.3

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 7 HOYA 126 BIO BIO IMPERIAL SUP 6179 (KM2)  
 EST 6 FDO LA COLCHA  
 LAT 3715 LON 7315  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1957	17.9	0.0	3.0	55.1	368.7	170.5	296.5	337.1	134.6	64.2	39.3	76.4	1563.3
1958	9.4	10.0	26.2	118.4	428.4	340.4	301.4	241.0	146.4	22.5	69.5	0.4	1714.0
1959	124.5	2.8	92.1	348.8	208.6	173.8	386.5	176.7	147.9	95.9	14.8	0.0	1772.4
1960	52.1	1.4	48.0	40.8	114.0	364.2	181.1	108.1	61.2	136.4	23.9	13.6	1144.8
1961	144.7	5.0	85.6	34.5	181.1	270.0	350.3	210.6	229.0	60.5	19.6	4.5	1595.4
1962	6.2	0.0	53.8	166.2	66.2	266.6	62.6	234.3	72.1	58.9	54.7	0.8	1042.4
1963	1.1	12.3	43.1	98.1	104.4	207.5	227.3	326.3	165.4	91.0	119.7	19.5	1533.2
1964	49.5	18.2	16.7	46.1	162.9	157.6	120.5	257.9	76.3	44.9	37.1	115.5	1103.2
1965	6.5	50.6	20.2	169.1	142.2	310.7	394.4	356.2	76.3	79.5	194.0	68.8	1908.5
1966	1.4	0.0	28.0	156.8	145.9	469.1	318.5	292.0	81.3	62.7	31.6	124.8	1711.6
1967	83.0	33.0	26.0	22.6	286.0	200.0	286.0	254.0	133.0	138.0	24.0	52.0	1537.6
1968	0.0	48.0	23.0	78.0	93.0	178.0	154.0	169.0	219.0	60.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	3.0	22.6	66.2	157.6	62.6	108.1	61.2	22.5	14.8	0.0	1042.4
MAX	144.7	50.6	92.1	348.8	428.4	469.1	394.4	356.2	229.0	138.0	194.0	124.8	1908.5
PROM	41.4	18.4	38.8	111.2	191.8	259.0	256.6	246.9	128.5	76.2	57.1	43.3	1511.5
DESV	50.9	27.2	27.2	91.6	113.3	96.7	107.1	74.1	57.0	34.5	54.4	47.1	289.6
CV	1.2	1.5	0.7	0.8	0.6	0.4	0.4	0.3	0.4	0.5	1.0	1.1	0.2

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 7

HOYA 126 BIO BIO IMPERIAL

SUP 6179 (KM2)

EST 7 ARAUCO

LAT 3715 LON 7319 ALT 10 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1918	16.0	0.0	52.4	179.9	264.9	172.2	157.5	129.9	78.8	42.9	207.7	4.4	1306.6
1919	0.0	20.3	39.3	232.4	426.6	160.4	396.2	136.4	132.3	33.6	107.6	24.1	1709.2
1920	4.2	5.3	77.1	75.6	289.7	192.6	93.6	170.3	103.7	65.6	73.7	20.1	1171.5
1921	36.5	44.6	32.8	99.7	328.8	210.2	66.8	159.4	25.9	36.9	0.0	80.1	1121.7
1922	44.0	3.0	70.1	28.8	149.1	356.8	457.6	256.2	98.0	54.8	8.0	0.0	1526.4
1923	2.3	29.9	49.4	8.7	41.5	271.0	131.9	324.4	73.0	121.9	69.3	42.6	1165.9
1924	3.6	16.2	67.6	35.1	62.7	195.3	146.2	64.3	43.9	5.4	3.9	8.6	652.8
1925	8.6	32.6	21.8	144.8	77.6	254.5	170.7	119.1	342.7	36.8	66.7	48.7	1324.6
1926	18.6	8.5	186.1	87.1	148.3	544.2	270.6	244.6	164.5	83.0	21.1	102.9	1879.5
1927	0.0	45.4	37.7	31.1	442.0	255.3	284.5	149.5	302.7	120.0	31.6	13.2	1713.0
1928	18.8	21.2	138.8	162.1	249.8	233.6	196.3	51.3	24.6	17.8	67.0	58.6	1239.9
1929	100.0	0.0	0.0	59.0	178.0	329.0	107.0	311.0	148.0	54.0	8.0	96.0	1390.0
1930	0.0	25.0	35.0	292.0	156.0	591.0	677.0	233.0	76.0	145.0	64.0	119.0	2413.0
1931	114.0	12.0	20.0	155.0	110.0	427.0	298.0	339.0	144.0	96.0	32.0	10.0	1757.0
1932	9.0	17.0	66.0	379.0	29.0	503.0	477.0	327.0	164.0	183.0	46.0	76.0	2276.0
1933	112.0	16.0	57.0	150.0	167.0	312.0	203.0	214.0	117.0	104.0	23.0	44.0	1519.0
1934	8.0	27.0	71.0	32.0	338.0	492.0	150.0	82.0	48.0	22.0	11.0	12.0	1293.0
1935	34.0	67.0	21.0	9.0	236.0	271.0	159.0	154.0	53.0	113.0	11.0	12.0	1140.0
1936	13.0	8.0	25.0	180.0	326.0	226.0	248.0	323.0	39.0	38.0	24.0	19.0	1469.0
1937	0.0	52.0	8.0	72.0	193.0	276.0	214.0	389.0	65.0	18.0	19.0	17.0	1323.0
1938	10.0	0.0	133.0	59.0	179.0	192.0	349.0	90.0	94.0	57.0	69.0	0.0	1232.0
1939	52.0	42.0	0.0	0.0	452.0	229.0	110.0	272.0	54.0	149.0	0.0	22.0	1382.0
1940	6.0	86.0	26.0	158.0	466.0	468.0	509.0	28.0	112.0	86.0	68.0	59.0	2072.0
1941	0.0	29.0	47.0	119.0	166.0	250.0	567.0	224.0	43.0	58.0	191.0	46.0	1740.0
1942	5.0	19.0	17.0	116.0	121.0	131.0	221.0	360.0	144.0	42.0	47.0	24.0	1247.0
1943	0.0	3.0	90.0	48.0	268.0	126.0	222.0	95.0	221.0	26.0	22.0	0.0	1121.0
1944	6.0	18.0	10.0	90.0	245.9	270.8	226.0	461.2	64.4	204.3	43.1	0.0	1639.0
1945	0.0	78.3	78.4	122.0	329.3	114.5	250.7	253.2	173.1	52.0	137.0	25.9	1614.0
1946	29.0	31.2	41.8	87.1	328.0	140.7	241.9	92.3	146.9	74.9	70.3	85.4	1369.0
1947	22.8	0.0	20.9	38.4	167.9	424.7	163.9	149.0	179.9	104.5	24.7	10.4	1302.1
1948	37.0	6.2	5.0	88.7	261.0	204.2	324.7	134.7	275.0	49.6	9.7	85.0	1480.8
1949	0.0	18.8	93.5	47.9	496.7	415.7	71.8	37.3	14.6	3.2	4.4	51.9	1255.8
1950	0.0	0.0	69.9	154.6	378.7	493.7	38.2	423.5	246.4	98.0	114.2	7.7	2024.9
1951	57.9	38.4	14.0	0.0	583.1	436.4	445.7	116.4	131.9	16.8	109.6	-1.0	-1.0
1952	-1.0	10.4	104.4	10.0	208.8	232.8	137.5	138.9	53.0	-1.0	-1.0	-1.0	-1.0
1953	102.0	10.0	15.0	65.0	283.0	112.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1958	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	9.7	59.2	0.0	-1.0
1959	98.8	0.0	50.9	310.2	222.1	164.2	353.6	131.8	177.3	90.4	0.9	0.2	1600.4
1960	43.4	0.0	41.4	39.3	57.8	419.7	174.9	105.5	45.6	110.5	26.0	6.0	1070.1
1961	103.1	0.5	89.1	34.4	135.9	237.6	519.9	265.9	255.8	33.3	15.5	0.5	1691.3
1962	3.5	0.0	91.9	99.6	38.8	297.6	44.2	232.0	60.2	72.7	21.8	2.0	964.3
1963	11.8	9.6	42.5	88.0	79.4	173.8	233.0	309.7	91.2	134.2	-1.0	-1.0	-1.0
1964	54.8	-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	9.5	55.5	28.5	-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	20.8	58.0	98.4	301.4	368.6	232.6	63.0	59.1	38.2	95.2	1335.3
1967	23.0	8.5	18.0	30.0	256.0	272.0	298.0	148.0	130.0	98.0	50.0	3.5	1335.0
1968	-1.0	4.0	0.0	47.0	36.0	133.0	129.0	123.0	105.0	127.0	-1.0	87.0	-1.0
MIN	0.0	0.0	0.0	0.0	29.0	112.0	38.2	28.0	14.6	3.2	0.0	0.0	652.8
MAX	114.0	86.0	186.1	379.0	583.1	591.0	677.0	461.2	342.7	204.3	207.7	119.0	2413.0
PROM	27.7	20.4	49.4	98.3	228.9	284.4	253.6	200.0	119.2	73.2	49.2	34.6	1458.1
DESV	35.1	21.8	40.1	84.2	137.4	127.3	150.2	109.0	78.8	48.2	48.5	35.4	354.5
CV	1.3	1.1	0.8	0.9	0.6	0.4	0.6	0.5	0.7	0.7	1.0	1.0	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 7 HOYA 126 BIO BIO IMPERIAL SUP 6179 (KM2)  
 EST 8 CURANILAHUE  
 LAT 3730 LON 7320  
 \*\*\*\*\*  
 ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT  
 \*\*\*\*\*  
 1968 0.0 65.0 32.0 96.0 106.0 243.0 181.0 195.0 229.0 67.0 139.0 136.0 1489.0  
 \*\*\*\*\*

PRECIPITACIONES (MM)

\*\*\*\*\*

ZCNA 7

HOYA 126 BID BID IMPERIAL

SUP 6179 (KM2)

EST 9 LEBU

LAT 2737 LON 7340

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1918	-1.0	-1.0	93.1	273.2	234.6	319.2	221.2	147.5	114.7	35.3	154.6	7.9	-1.0
1919	25.5	10.3	55.1	240.6	369.4	163.1	328.9	136.3	98.2	48.0	145.1	30.1	1650.6
1920	4.0	0.0	115.8	123.9	461.1	201.2	126.3	147.0	107.8	51.6	67.4	19.1	1425.2
1921	45.6	40.4	26.6	-1.0	-1.0	111.4	121.6	124.0	11.0	43.5	-1.0	153.0	-1.0
1922	22.7	9.2	35.2	56.6	190.1	276.0	507.9	254.5	138.4	60.8	30.5	0.0	1579.9
1923	1.4	29.5	70.9	14.7	41.7	198.4	140.2	316.8	84.3	141.2	114.1	40.5	1193.7
1924	0.0	50.7	113.3	108.4	106.1	244.0	148.0	88.0	-1.0	-1.0	-1.0	-1.0	-1.0
1926	25.4	21.3	195.7	109.1	-1.0	379.0	179.3	228.8	111.5	75.5	31.5	75.0	-1.0
1927	17.5	51.0	57.0	49.0	265.0	149.5	274.5	140.5	236.5	104.0	37.5	18.5	1400.5
1928	23.0	25.5	69.0	153.5	277.5	182.5	211.0	76.0	30.0	67.0	64.5	109.0	1228.5
1929	53.0	6.0	12.0	31.0	110.0	322.0	87.0	218.0	97.0	56.0	28.0	80.0	1100.0
1930	1.0	7.0	38.0	182.0	105.0	267.0	347.0	155.0	69.0	154.0	66.0	121.0	1542.0
1931	65.0	1.0	30.0	97.0	85.0	203.0	208.0	180.0	74.0	53.0	37.0	10.0	1041.0
1932	20.0	34.0	34.0	382.0	80.0	282.0	304.0	256.0	79.0	63.0	40.0	68.0	1642.0
1933	47.0	9.0	47.0	50.0	65.0	107.0	96.0	86.0	59.0	84.0	33.0	40.0	723.0
1934	7.0	16.0	77.0	8.0	117.0	246.0	81.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1938	20.0	7.0	124.0	51.0	117.0	264.0	310.0	72.0	66.0	77.0	-1.0	-1.0	-1.0
1957	-1.0	-1.0	-1.0	-1.0	184.0	56.0	97.0	174.0	-1.0	-1.0	27.8	14.5	-1.0
1958	5.7	5.7	14.3	110.2	346.9	225.6	194.6	185.9	120.6	11.5	78.7	1.4	1301.1
1959	108.2	2.4	60.7	237.2	178.9	120.3	220.8	184.8	140.1	105.0	16.0	0.0	1370.4
1960	86.8	1.6	91.2	42.8	124.7	316.6	227.5	126.3	78.8	148.6	30.6	9.2	1284.7
1961	108.2	7.1	108.7	34.2	188.5	254.0	412.1	239.6	204.9	48.0	28.7	0.0	1634.0
1962	12.4	0.0	53.4	144.2	60.0	248.3	71.4	239.6	47.0	72.3	72.7	0.0	1021.3
1963	0.0	4.8	62.3	115.0	87.8	215.9	203.6	296.2	105.2	97.7	65.2	28.5	1282.2
1964	83.3	23.4	18.2	81.1	144.3	179.1	119.5	256.2	37.3	20.3	24.1	99.5	1086.3
1965	23.3	33.1	36.6	237.5	-1.0	253.1	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	-1.0
MIN	0.0	0.0	12.0	8.0	41.7	56.0	71.4	72.0	11.0	11.5	16.0	0.0	723.0
MAX	108.2	51.0	195.7	382.0	461.1	379.0	507.9	316.8	236.5	154.0	154.6	153.0	1650.6
PROM	33.6	16.5	65.6	122.2	171.3	222.5	209.5	180.4	95.9	73.5	56.8	40.2	1305.9
DESV	33.9	15.9	42.5	94.6	109.4	75.9	111.0	69.9	52.7	38.5	39.1	45.4	254.2
CV	1.0	1.0	0.6	0.8	0.6	0.3	0.5	0.4	0.5	0.5	0.7	1.1	0.2

NOTA: VALGRES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZCNA 7 HOYA 126 BJO BIO IMPERIAL SUP 6179 (KM2)  
 EST 10 CANETE RIEGO  
 LAT 3750 LON 7323 ALT 25 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1918	-1.0	-1.0	-1.0	-1.0	235.6	204.1	278.0	151.5	107.1	48.9	231.7	0.0	-1.0
1919	21.3	34.2	69.7	169.6	423.3	170.2	383.5	123.3	139.8	38.0	284.1	15.8	1872.8
1920	0.0	7.0	133.5	165.4	543.1	172.7	100.4	225.2	133.5	92.4	126.2	24.1	1723.5
1921	88.4	62.1	30.8	146.8	371.1	219.1	99.8	198.9	51.6	42.0	3.6	182.2	1496.4
1922	22.7	9.1	101.3	36.0	195.3	361.5	727.4	261.5	96.3	75.4	23.0	0.0	1909.5
1923	8.4	75.7	98.0	19.8	66.4	254.0	151.1	301.5	99.9	123.4	97.3	51.5	1347.0
1924	2.4	38.3	76.3	54.3	87.5	254.8	185.3	74.9	39.3	27.8	8.0	21.6	870.5
1925	11.2	57.8	14.7	179.1	99.7	257.1	160.5	187.7	244.6	34.0	76.5	52.4	1375.3
1926	41.8	4.0	206.8	114.0	177.1	398.8	178.0	223.3	133.5	79.5	45.5	110.3	1712.6
1927	15.2	57.3	45.4	49.9	286.3	157.5	327.0	214.8	345.1	134.2	72.3	27.0	1732.0
1928	33.0	47.7	97.9	199.9	248.6	267.1	272.4	55.1	22.5	25.6	32.4	37.1	1339.3
1929	91.0	24.0	10.0	58.0	155.0	372.0	159.0	334.0	184.0	74.0	46.0	100.0	1607.0
1930	0.0	7.0	27.0	157.0	149.0	432.0	444.0	254.0	42.0	190.0	108.0	152.0	1962.0
1931	110.0	0.0	44.0	64.0	104.0	280.0	309.0	225.0	62.0	60.0	77.0	14.0	1349.0
1932	23.0	24.0	42.0	343.0	27.0	441.0	395.0	210.0	140.0	260.0	39.0	108.0	2052.0
1933	121.0	28.0	59.0	134.0	129.0	264.0	203.0	208.0	105.0	70.0	67.0	33.0	1421.0
1934	0.0	0.0	83.0	44.0	168.0	614.0	177.0	79.0	71.0	44.0	16.0	29.0	1325.0
1935	23.0	31.0	-1.0	-1.0	405.0	418.0	227.0	236.0	173.0	132.0	153.0	-1.0	-1.0
1937	0.0	112.0	23.0	35.0	227.0	277.0	352.0	396.0	41.0	20.0	62.0	-1.0	-1.0
1961	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	6.5	-1.0
1962	22.0	0.0	31.0	130.0	42.0	216.0	48.5	229.0	24.0	3.0	104.5	11.0	861.0
1963	9.0	18.0	45.0	99.0	82.0	240.0	216.0	278.0	47.0	106.0	84.0	23.0	1247.0
1964	59.0	22.0	28.0	52.0	170.0	118.0	118.0	222.0	70.0	22.0	42.0	88.0	893.0
1965	0.3	51.0	34.3	162.0	149.0	293.0	322.0	331.0	79.0	87.0	146.0	56.5	1711.1
1966	0.0	0.0	64.5	97.9	100.4	340.0	235.5	203.6	317.9	31.7	24.0	99.8	1515.3
1967	82.0	63.0	1.6	26.0	139.9	129.3	307.3	240.0	118.0	110.0	32.0	42.0	1291.1
1968	0.0	153.0	21.3	64.8	63.0	132.0	113.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	1.6	19.8	27.0	118.0	48.5	55.1	22.5	3.0	3.6	0.0	861.0
MAX	121.0	153.0	206.8	343.0	543.1	614.0	727.4	396.0	345.1	260.0	284.1	182.2	2052.0
PROM	31.4	37.0	57.8	108.4	186.3	280.1	249.6	218.5	115.5	77.2	80.0	53.5	1482.4
DESV	37.8	37.2	46.0	74.8	128.3	116.5	141.5	80.1	84.6	58.7	67.8	49.2	340.1
CV	1.2	1.0	0.8	0.7	0.7	0.4	0.6	0.4	0.7	0.8	0.8	0.9	0.2

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 7 HUAYA 126 BIO BIO IMPERIAL SUP 6179 (KM2)  
 EST 11 CONTULMO  
 LAT 3802 LON 7313 ALT 30 (MTS)  
 \*\*\*\*\*

113.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1901	-1.0	-1.0	-1.0	-1.0	-1.0	438.0	483.0	362.0	177.0	62.0	206.0	21.0	-1.0
1902	65.0	113.0	156.0	214.0	465.0	572.0	429.0	194.0	195.0	56.0	63.0	26.0	2548.0
1903	77.0	27.0	30.0	90.0	82.0	515.0	114.0	236.0	104.0	127.0	28.0	81.0	1511.0
1904	93.0	24.0	85.0	162.0	203.0	402.0	818.0	194.0	347.0	149.0	44.0	40.0	2561.0
1905	50.0	2.0	146.0	173.0	261.0	404.0	366.0	294.0	187.0	212.0	15.0	122.0	2232.0
1906	71.0	30.0	43.0	172.0	325.0	457.0	387.0	168.0	237.0	82.0	7.0	37.0	2016.0
1907	63.0	80.0	20.0	11.0	209.0	331.0	294.0	258.0	267.0	115.0	21.0	104.0	1773.0
1908	3.0	14.0	197.0	198.0	119.0	215.0	89.0	202.0	134.0	85.0	124.0	22.0	1402.0
1909	18.0	20.0	15.0	78.0	217.0	248.0	120.0	178.0	72.0	46.0	120.0	24.0	1156.0
1910	76.5	63.8	16.4	93.3	200.0	531.8	278.2	434.3	41.0	23.4	0.0	0.1	1759.5
1911	54.2	21.9	23.7	226.6	347.4	127.2	247.4	174.2	96.5	20.3	166.3	78.1	1583.8
1912	9.4	47.1	53.7	163.6	198.1	278.6	227.1	154.7	29.0	100.9	94.6	46.0	1402.8
1913	0.4	8.8	53.9	280.3	533.8	259.3	519.4	279.8	172.9	38.9	0.4	40.2	2188.1
1914	66.1	0.8	26.3	65.8	180.9	511.2	350.3	169.8	293.4	90.3	162.8	56.4	1974.1
1915	18.3	14.0	46.0	302.8	678.0	231.5	371.3	256.9	134.6	66.1	62.8	26.1	2208.4
1916	78.9	4.9	132.4	155.0	276.6	116.2	216.2	282.7	262.0	24.9	170.5	114.1	1834.4
1917	22.0	73.2	19.4	28.3	120.6	285.1	128.1	125.6	208.4	45.6	22.9	76.1	1155.3
1918	75.9	3.8	162.1	321.5	317.0	227.2	403.1	216.6	186.3	50.7	288.1	19.7	2272.4
1919	15.6	57.1	83.4	222.5	470.0	312.5	390.8	208.2	268.4	36.6	186.2	68.0	2319.3
1920	2.4	9.0	199.9	121.4	696.0	192.1	148.6	219.3	142.2	121.8	134.9	39.0	2026.6
1921	80.5	95.2	64.8	163.2	442.5	294.7	145.6	314.4	59.9	63.5	7.6	128.3	1860.2
1922	24.2	15.3	108.9	35.0	235.1	466.8	809.1	322.5	113.4	82.5	31.7	2.3	2246.8
1923	22.3	32.5	155.2	29.6	104.6	230.5	154.6	293.7	105.1	167.1	109.6	84.2	1489.0
1924	3.6	57.3	125.5	92.4	163.7	265.0	221.6	98.2	52.5	27.5	16.9	27.3	1151.5
1925	30.8	52.1	16.0	282.8	78.0	308.3	156.4	283.9	318.1	54.4	114.6	60.4	1755.8
1926	36.3	14.8	224.0	161.5	206.1	369.5	206.6	240.7	164.0	140.4	65.6	82.7	1912.2
1927	19.0	54.9	49.2	83.3	235.8	158.3	322.4	242.4	389.9	122.3	49.0	27.7	1754.2
1928	52.4	66.4	110.9	-1.0	-1.0	339.5	271.7	68.5	52.7	21.6	122.2	70.2	-1.0
1929	194.0	0.0	25.0	79.0	151.0	319.0	152.0	383.0	276.0	67.0	64.0	164.0	1874.0
1930	0.0	0.0	42.0	216.0	196.0	556.0	456.0	216.0	52.0	193.0	120.0	214.0	2261.0
1931	81.0	2.0	46.0	121.0	120.0	265.0	298.0	234.0	90.0	94.0	61.0	32.0	1444.0
1932	44.0	28.0	97.0	596.0	80.0	642.0	630.0	320.0	232.0	255.0	62.0	131.0	3117.0
1933	146.0	52.0	107.0	231.0	192.0	498.0	208.0	247.0	112.0	135.0	83.0	89.0	2100.0
1934	9.0	55.0	128.0	55.0	251.0	737.0	267.0	109.0	12.0	100.0	34.0	24.0	1781.0
1935	39.0	115.0	54.0	78.0	440.0	500.0	187.0	213.0	201.0	96.0	136.0	94.0	2153.0
1936	93.0	21.0	128.0	204.0	477.0	364.0	355.0	284.0	211.0	97.0	44.0	182.0	2460.0
1937	0.0	110.0	59.0	81.0	263.0	393.0	435.0	571.0	83.0	27.0	101.0	21.0	2144.0
1938	61.0	7.0	151.0	77.0	221.0	353.0	508.0	211.0	164.0	140.0	233.0	26.0	2152.0
1939	94.0	69.0	9.0	23.0	609.0	320.0	190.0	315.0	118.0	299.0	20.0	21.0	2087.0
1940	39.0	175.0	77.0	257.0	510.0	488.0	583.0	91.0	102.0	93.0	118.0	58.0	2591.0
1941	0.0	93.0	34.0	133.0	210.0	260.0	433.0	424.0	69.0	90.0	304.0	84.0	2134.0
1942	5.0	38.0	84.0	142.0	184.0	180.0	266.0	249.0	233.0	47.0	70.0	20.0	1518.0
1943	0.0	17.0	130.0	55.0	294.0	108.0	233.0	155.0	207.0	48.0	51.0	1.0	1299.0
1944	12.0	17.0	44.0	58.0	232.2	445.6	231.3	496.6	123.5	236.3	125.1	3.6	2025.2
1945	0.4	93.9	115.6	137.8	495.5	210.7	501.3	339.4	113.2	76.3	152.7	83.2	2320.0
1946	108.6	78.0	104.0	59.7	235.5	174.8	311.0	100.5	198.2	119.0	159.3	81.7	1736.3
1947	63.3	4.1	39.4	31.1	123.9	405.1	105.7	-1.0	204.2	60.2	-1.0	-1.0	-1.0
1948	-1.0	-1.0	38.8	-1.0	-1.0	240.6	368.6	126.6	378.6	99.4	9.4	58.7	-1.0
1949	0.0	58.2	153.6	-1.0	617.9	478.7	66.3	73.2	19.7	17.2	86.5	94.6	-1.0
1950	0.0	52.5	100.1	295.8	440.7	497.3	163.9	448.3	127.1	118.4	117.4	37.4	2398.9

```

*****
ANO      ENF      FLB      MAR      ABR      MAY      JUN      JUL      AG      SEP      OCT      NOV      DIC      TOT
*****
1951 185.1  37.6  41.7    5.2  655.5  477.0  407.0  136.2  173.2  58.1  217.1  66.8  2460.5
1952   0.2  16.4  192.7   0.9  162.8  128.0   81.5  155.0   59.0   57.0   31.0   2.0   886.5
1953  79.9  27.0  21.0   32.1  293.0  225.0  532.0  437.0  343.0   39.6   31.0   20.0  2080.6
1968  35.0  88.0  -1.0   -1.0  -1.0  -1.0  104.0  170.0  170.0   88.0   83.0  140.0   -1.0
*****
MIN      0.0      0.0      9.0      0.9     78.0   108.0    66.3    68.5     12.0    17.2     0.0     0.1    886.5
MAX 194.0 175.0 224.0 596.0 696.0 737.0 818.0 571.0 389.9 299.0 304.0 214.0 3117.0
PROM  46.5  43.4  84.3 140.7 296.4 346.3 310.0 244.9 164.5  92.3  93.4  61.8 1939.9
DESV  45.8  37.9  57.3 110.0 170.3 144.4 173.2 110.9  94.2  61.0  72.5  48.1  449.5
CV    1.0    0.9    0.7    0.8    0.6    0.4    0.6    0.5    0.6    0.7    0.8    0.8    0.2
*****

```

NCTA:VALCRES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA	7	HOYA 126	BIO BIO IMPERIAL	SUP	6179 (KM2)								
		EST 12	ANTIQUINA FDD										
		LAT 3803	LON 7321	ALT 20 (MTS)									
ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1960	103.0	3.0	57.0	40.0	125.0	287.0	173.0	127.0	91.0	160.0	11.0	28.0	1205.0
1961	52.0	21.0	77.0	55.0	194.0	202.0	299.0	198.0	213.0	59.0	21.0	1.0	1432.0
1962	25.0	0.0	31.0	95.0	81.0	212.0	54.0	165.0	56.0	-1.0	-1.0	-1.0	-1.0
1963	17.0	13.0	57.0	78.0	109.0	212.0	175.0	331.0	100.0	104.0	75.0	27.0	1298.0
1964	53.0	52.0	19.0	30.0	177.0	121.0	140.0	187.0	63.0	38.0	30.0	102.0	1020.0
MIN	17.0	0.0	19.0	30.0	81.0	121.0	54.0	127.0	56.0	38.0	11.0	1.0	1020.0
MAX	103.0	52.0	77.0	95.0	194.0	287.0	299.0	331.0	213.0	160.0	75.0	102.0	1432.0
PROM	58.0	17.8	48.2	59.4	137.2	206.8	168.2	201.6	104.6	90.3	34.3	39.5	1238.8
DESV	38.7	20.8	23.1	26.8	47.2	58.9	88.1	77.3	63.3	54.0	28.3	43.5	173.1
CV	0.7	1.2	0.5	0.4	0.3	0.3	0.5	0.4	0.6	0.6	0.8	1.1	0.1

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 7 HOYA 126 BIO BIO IMPERIAL SUP 6179 (KM2)  
 EST 14 QUIDICO  
 LAT 3815 LON 7325 ALT 26 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1905	10.0	1.0	324.0	84.0	285.0	384.0	342.0	223.0	155.0	100.0	25.0	59.0	1992.0
1906	62.0	49.0	27.0	143.0	309.0	311.0	233.0	188.0	158.0	49.0	4.0	33.0	1566.0
1907	39.0	45.0	5.0	1.0	190.0	491.0	323.0	431.0	196.0	80.0	4.0	68.0	1873.0
1908	0.0	59.0	73.0	115.0	203.0	355.0	51.0	153.0	122.0	87.0	21.0	13.0	1252.0
1909	3.0	17.0	7.0	70.0	73.0	246.0	125.0	27.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	1.0	5.0	1.0	73.0	246.0	51.0	27.0	122.0	49.0	4.0	13.0	1252.0
MAX	62.0	59.0	324.0	143.0	309.0	491.0	342.0	431.0	196.0	100.0	25.0	68.0	1992.0
PROM	22.8	34.2	87.2	82.6	212.0	357.4	214.8	204.4	157.8	79.0	13.5	43.3	1670.8
DESV	26.8	24.2	135.2	53.7	93.0	91.0	125.6	146.7	30.3	21.6	11.1	25.0	331.9
CV	1.2	0.7	1.6	0.6	0.4	0.3	0.6	0.7	0.2	0.3	0.8	0.6	0.2

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 7

HOYA 127 IMPERIAL TOLTEN SUP 0620 (KM2)  
 EST 1 PTO DCMINGLEZ  
 LAT 3854 LON 7314 ALT 2 (MTS)

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1913	2.0	9.2	94.9	144.6	262.7	158.0	401.9	196.4	180.6	5.3	0.0	15.5	1471.1
1914	39.1	0.0	56.0	84.7	383.9	549.9	604.6	259.5	327.2	204.3	339.7	55.9	2904.8
1915	13.9	46.2	57.9	307.3	887.9	346.5	380.5	346.4	186.5	137.5	60.3	33.8	2804.7
1916	72.2	26.5	213.8	126.8	367.7	160.5	275.3	375.9	160.5	41.2	244.9	135.9	2201.2
1922	-1.0	-1.0	-1.0	-1.0	-1.0	225.6	498.3	154.5	79.8	50.6	44.6	15.3	-1.0
1923	27.0	47.8	146.2	48.6	67.0	122.1	177.5	287.7	96.2	85.0	95.0	51.9	1252.0
1924	2.8	49.7	79.8	108.0	116.5	179.9	134.9	63.1	49.1	32.3	23.6	47.0	886.7
1925	29.7	50.6	36.4	184.2	82.3	207.7	164.6	168.3	198.7	27.5	134.9	49.0	1333.9
1928	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	21.8	107.5	35.7	-1.0
1929	64.0	8.0	29.0	33.0	149.0	196.0	66.0	247.0	109.0	54.0	34.0	102.0	1091.0
1930	2.0	7.0	71.0	150.0	169.0	327.0	314.0	127.0	56.0	153.0	102.0	175.0	1653.0
1931	39.0	2.0	39.0	156.0	105.0	196.0	207.0	194.0	71.0	103.0	44.0	18.0	1174.0
1932	41.0	20.0	69.0	284.0	69.0	288.0	335.0	164.0	155.0	100.0	54.0	68.0	1647.0
1933	90.0	27.0	70.0	132.0	158.0	221.0	161.0	183.0	50.0	94.0	103.0	135.0	1424.0
1934	37.0	40.0	78.0	42.0	144.0	376.0	148.0	50.0	77.0	97.0	23.0	21.0	1133.0
1935	54.0	40.0	100.0	65.0	234.0	313.0	150.0	181.0	158.0	78.0	130.0	89.0	1592.0
1936	28.0	33.0	116.0	165.0	296.0	333.0	250.0	183.0	116.0	63.0	51.0	116.0	1750.0
1937	0.0	123.0	52.0	35.0	251.0	271.0	308.0	284.0	92.0	52.0	90.0	19.0	1577.0
1938	50.0	4.0	147.0	62.0	162.0	253.0	351.0	84.0	80.0	123.0	87.0	47.0	1450.0
1939	105.0	75.0	3.0	22.0	281.0	212.0	136.0	168.0	46.0	181.0	27.0	31.0	1287.0
1940	50.0	91.0	55.0	236.0	289.0	336.0	306.0	108.0	83.0	112.0	71.0	58.0	1795.0
1941	1.0	50.0	36.0	131.0	159.0	128.0	295.0	311.0	56.0	68.0	207.0	49.0	1491.0
1942	10.0	32.0	76.0	76.0	161.0	125.0	184.0	206.0	150.0	41.0	28.0	28.0	1117.0
1943	0.2	29.0	87.0	40.0	176.0	170.0	169.0	78.0	149.0	54.0	39.0	2.0	993.2
1944	15.0	19.0	21.0	69.0	155.4	455.0	174.0	314.0	100.0	224.0	87.0	5.0	1638.4
1945	3.3	79.9	88.4	88.8	309.5	128.7	230.6	261.0	88.5	24.7	50.6	31.6	1385.6
1946	32.6	118.5	65.7	59.3	286.5	139.8	301.7	87.0	112.6	67.9	119.0	45.9	1436.5
1947	51.2	21.6	30.2	51.7	291.5	330.6	110.9	161.3	131.6	75.7	37.8	35.2	1329.3
1948	105.0	10.2	29.0	140.7	175.1	204.1	446.7	167.9	488.1	53.3	45.5	64.5	1930.1
1949	17.5	140.5	191.4	144.0	511.4	542.4	108.4	60.5	31.5	8.4	19.0	99.6	1874.6
1950	2.5	21.4	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1951	179.1	50.0	65.5	17.7	450.2	354.8	329.0	115.9	173.5	57.1	113.0	31.5	1937.3
1952	1.0	28.4	97.6	61.5	321.5	183.5	216.5	226.0	73.3	94.3	37.0	-1.0	-1.0
1953	211.0	32.5	58.2	32.4	500.0	273.6	360.0	382.9	352.7	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	3.0	17.7	67.0	122.1	66.0	50.0	31.5	5.3	0.0	2.0	886.7
MAX	211.0	140.5	213.8	307.3	887.9	549.9	604.6	382.9	488.1	224.0	339.7	175.0	2904.8
PROM	43.0	41.7	76.1	106.4	257.2	259.6	259.2	193.6	133.7	80.7	82.8	55.2	1571.0
DESV	50.1	35.7	47.4	74.2	167.2	113.9	123.9	92.7	97.6	53.8	71.1	42.0	468.4
CV	1.2	0.9	0.6	0.7	0.7	0.4	0.5	0.5	0.7	0.7	0.9	0.8	0.3

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 7 HOYA 128 TOLTEN VALDIVIA SUP 1367 (KM2)  
 EST 1 SAN JOSE DE MARIQUINA  
 LAT 3931 LON 7259 ALT 36 (MTS)

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1933	130.0	35.5	89.9	195.9	203.4	197.0	247.0	74.0	108.0	101.0	109.0	110.4	1601.1
1934	39.0	54.0	76.0	26.0	215.0	534.0	273.0	147.0	172.0	123.0	21.0	32.0	1712.0
1935	38.0	83.0	145.0	65.0	289.0	461.0	178.0	232.0	165.0	100.0	127.0	106.0	1989.0
1936	48.0	27.0	95.0	263.0	371.0	373.0	269.0	211.0	157.0	89.0	22.0	262.0	2187.0
1937	4.0	130.0	66.0	52.0	474.0	431.0	375.0	346.0	52.0	22.0	116.0	17.0	2085.0
1938	41.0	0.0	160.0	73.0	213.0	370.0	377.0	135.0	158.0	150.0	114.0	15.0	1806.0
1939	123.0	160.0	19.0	52.0	458.0	361.0	179.0	275.0	115.0	223.0	21.0	29.0	2015.0
1940	42.0	113.0	78.0	270.0	471.0	404.0	409.0	111.0	116.0	100.0	89.0	118.0	2321.0
1941	0.0	32.0	35.0	169.0	209.0	212.0	440.0	415.0	46.0	119.0	183.0	97.0	1957.0
1942	19.0	80.0	115.0	132.0	196.0	173.0	184.0	264.0	179.0	68.0	27.0	58.0	1495.0
1943	0.1	13.0	103.0	77.0	264.0	199.0	328.0	80.0	174.0	104.0	53.0	1.0	1396.1
1944	31.0	15.0	36.0	68.0	217.4	576.9	248.0	495.3	126.3	318.9	87.0	8.8	2228.6
1945	4.1	73.8	172.2	161.9	501.2	267.9	451.4	338.7	145.9	70.1	120.8	94.3	2402.3
1946	56.4	80.0	31.7	83.6	267.3	170.9	336.7	105.4	188.5	79.8	139.7	58.3	1598.3
1947	101.7	18.3	64.2	76.1	333.0	350.3	103.5	164.5	152.7	46.3	84.3	42.1	1537.0
1948	107.0	6.0	36.8	132.4	199.4	269.1	470.6	49.5	264.0	82.1	19.6	86.5	1823.0
1949	0.0	145.3	158.3	65.2	501.4	439.8	109.1	65.7	26.5	15.8	21.5	92.0	1640.6
1950	0.0	31.8	122.7	144.4	364.6	411.1	202.5	272.5	138.2	65.8	133.2	99.5	1986.3
1951	20.0	30.8	44.0	16.0	639.0	343.0	275.0	189.0	192.0	47.8	106.0	85.0	1987.6
1952	29.0	26.0	192.0	22.0	282.0	143.0	163.0	200.0	80.0	49.0	69.0	6.0	1261.0
1953	98.0	7.0	75.2	35.8	479.4	267.9	361.5	386.4	302.4	69.9	17.5	59.6	2160.6
1954	13.5	48.0	3.7	204.4	188.8	219.0	263.0	247.4	157.3	49.6	37.5	73.9	1506.1
1955	15.5	35.9	26.7	183.7	85.0	296.8	82.1	153.2	71.0	9.0	27.9	108.6	1095.4
1956	76.2	32.5	85.6	92.2	137.9	121.9	167.6	104.0	92.4	46.1	14.6	6.9	977.9
1957	-1.0	-1.0	10.6	29.6	255.0	154.1	-1.0	172.2	58.0	41.3	39.7	96.4	-1.0
1968	4.5	74.0	43.0	98.0	132.0	129.0	132.0	142.0	145.0	134.0	60.0	170.0	1264.0
MIN	0.0	0.0	3.7	16.0	85.0	121.9	82.1	49.5	26.5	9.0	14.6	1.0	977.9
MAX	130.0	160.0	192.0	270.0	639.0	576.9	470.6	495.3	302.4	318.9	183.0	262.0	2402.3
PROM	41.6	54.1	80.2	107.2	305.6	302.9	265.0	206.8	137.8	89.4	71.5	74.4	1761.3
DESV	41.2	44.7	53.0	72.6	141.4	128.6	115.3	116.2	63.7	65.8	48.5	57.9	387.0
CV	1.0	0.8	0.7	0.7	0.5	0.4	0.4	0.6	0.5	0.7	0.7	0.8	0.2

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

```

*****
ZONA 7 HOYA 128 TOLTEN VALDIVIA SUP 1367 (KM2)
EST 2 MEHUIN UNIV AUSTRAL
LAT 3922 LON 7313 ALT 22 (MTS)
*****
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
*****
1968 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 164.0 -1.0 -1.0 85.0 -1.0 -1.0
*****

```

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZCNA 8 HCOYA 129 VALDIVIA-BUENC SLP 812 (KM2)  
 EST 1 PTA GALERA PROP TIPC MT  
 LAT 4002 LCN 7344 ALT 40 (MTS)

120.

ANC	ENE	FEB	MAR	APR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TCT
1899	144.7	98.9	197.2	442.2	611.0	390.3	690.1	552.4	110.6	50.4	132.1	66.5	3486.4
1900	152.5	310.0	282.5	222.5	459.5	475.2	465.6	288.0	273.5	152.8	180.0	19.9	2228.1
1901	77.5	138.0	55.5	220.5	248.5	548.5	316.6	221.9	177.5	107.1	195.6	58.6	2565.9
1902	55.5	137.1	190.8	213.5	481.3	505.2	436.3	166.1	237.4	129.0	162.1	68.0	2882.7
1903	80.8	64.6	122.0	237.5	173.5	334.4	219.9	293.1	175.8	96.2	66.2	179.6	2243.6
1904	46.6	45.6	147.0	279.7	299.3	559.8	239.9	264.4	343.1	125.2	113.5	78.8	2936.3
1905	22.0	9.8	158.0	160.0	249.3	396.8	687.0	2318.0	187.6	173.6	42.5	99.4	2105.0
1906	59.1	82.0	125.1	202.6	409.3	277.7	252.2	271.6	191.0	168.1	18.8	59.4	2116.9
1907	36.2	98.8	43.3	336.8	232.3	309.5	209.2	240.5	189.5	130.7	18.6	129.0	1871.4
1908	4.6	22.0	108.5	236.5	222.0	231.7	111.4	198.0	119.4	115.2	74.2	51.0	1507.1
1909	25.4	40.7	43.4	129.5	181.1	210.8	117.0	190.2	61.1	71.1	80.4	74.7	1374.8
1910	57.6	67.7	32.0	142.0	154.8	294.3	364.0	337.0	39.2	60.2	133.6	12.0	1869.0
1911	63.5	27.3	22.6	202.0	269.1	166.6	240.5	252.7	123.9	96.3	124.3	129.5	1729.3
1912	43.4	121.5	43.1	217.1	322.8	257.7	208.1	232.7	52.4	167.3	116.7	61.3	1844.1
1913	6.7	50.1	88.5	380.5	350.8	278.8	452.5	199.7	216.5	77.7	5.7	50.8	2161.2
1914	127.8	30.7	44.3	70.5	351.9	276.7	261.4	157.8	207.7	70.5	169.7	65.1	2217.5
1915	16.8	58.2	43.4	312.2	482.7	316.0	386.6	201.1	107.6	114.3	91.6	72.5	2203.0
1916	63.5	21.5	132.0	186.3	228.5	90.4	241.6	226.3	175.6	25.1	189.2	157.5	1794.8
1917	62.5	81.0	150.4	127.5	159.4	437.1	218.9	196.0	192.4	93.7	96.9	105.4	1821.4
1918	75.4	20.0	175.2	302.5	418.8	335.1	262.0	211.6	233.1	107.5	209.7	18.2	2370.0
1919	86.8	63.5	132.6	197.6	590.5	222.8	251.2	194.1	148.4	78.8	144.5	108.0	2318.8
1920	92.5	15.4	248.5	302.7	467.8	302.0	164.0	207.0	163.3	89.6	142.1	107.8	2303.2
1921	115.2	126.1	99.8	252.2	304.3	287.2	150.0	227.8	105.5	52.6	233.1	233.9	2119.5
1922	75.8	40.7	95.2	49.8	166.3	266.9	118.6	248.9	187.0	91.5	52.5	33.4	1925.6
1923	23.2	40.2	192.7	143.5	128.9	17.0	224.8	380.9	185.1	95.5	117.1	72.6	2021.5
1924	7.2	93.9	179.9	174.8	168.2	339.7	227.5	108.8	104.2	61.7	43.1	62.2	1567.2
1925	60.5	88.1	51.4	207.0	92.0	268.0	173.8	240.8	419.0	95.0	106.2	84.6	1841.2
1926	144.7	88.8	231.8	139.6	242.9	474.5	166.5	185.4	148.7	142.3	150.4	123.0	2238.3
1927	67.6	32.3	86.3	133.6	162.9	205.4	287.0	271.1	329.4	80.8	73.5	62.3	1793.2
1928	110.6	65.0	154.1	216.9	182.0	439.4	407.2	128.3	56.6	43.3	134.8	166.0	2204.2
1929	148.0	105.0	58.0	144.0	245.0	379.0	175.0	351.0	158.0	58.0	84.0	191.0	2096.0
1930	72.0	38.0	76.0	172.0	177.0	414.0	184.0	169.0	164.0	150.0	139.0	224.0	1925.0
1931	58.0	50.0	149.0	279.0	111.0	272.0	339.0	283.0	214.0	118.0	78.0	38.0	1990.0
1932	120.0	58.0	157.0	191.0	185.0	266.0	152.0	270.0	93.0	107.0	103.0	132.0	1834.0
1933	82.0	71.0	169.0	56.0	178.0	396.0	318.0	179.0	135.0	100.0	19.0	60.0	1763.0
1934	66.0	99.0	88.0	69.0	361.0	395.0	123.0	218.0	127.0	147.0	136.0	120.0	1949.0
1935	49.0	27.0	98.0	255.0	431.0	246.0	329.0	230.0	161.0	36.0	26.0	250.0	2138.0
1936	49.6	103.0	156.0	43.0	191.0	251.0	432.0	306.0	57.0	135.0	186.0	74.0	1934.6
1937	49.0	11.0	125.0	130.0	255.0	314.0	295.0	269.0	306.0	185.0	87.0	22.0	2150.0
1938	152.0	85.0	72.0	80.0	453.0	413.0	164.0	247.0	93.0	237.0	29.0	45.0	2070.0
1939	79.0	110.0	25.0	42.0	155.0	151.0	225.0	155.0	129.0	92.0	119.0	90.0	1372.0
1940	31.0	82.0	92.0	184.0	279.0	229.0	211.0	276.0	110.0	61.0	32.0	40.0	1608.0
1941	14.0	32.0	132.0	154.0	329.0	237.0	269.0	191.0	237.0	87.0	35.0	20.0	1837.0

	ANC	FNE	FEB	MAR	APR	MAY	JUN	JUL	AG	SEP	CTT	NOV	CIC	ICT
1944	27.0	71.0	63.0	38.0	77.2	298.7	258.7	361.4	100.5	344.0	112.0	14.0	1765.3	
1945	10.1	116.5	149.0	121.0	122.8	170.0	232.0	222.0	108.0	66.7	51.7	71.3	1778.0	
1946	43.2	116.0	149.0	121.0	122.8	170.0	232.0	222.0	108.0	66.7	51.7	71.3	1778.0	
1947	204.6	65.9	54.5	187.0	169.0	226.4	457.0	172.0	273.0	59.4	146.3	141.9	2052.6	
1948	91.2	27.1	75.7	186.0	222.2	447.6	277.0	222.0	222.0	30.1	28.3	184.7	1915.2	
1949	18.6	140.5	193.3	169.0	222.2	447.6	277.0	222.0	222.0	86.7	146.3	42.4	2069.7	
1950	14.6	106.4	227.4	33.0	55.1	117.0	216.7	222.0	222.0	140.6	209.0	86.1	3236.0	
1951	110.9	56.0	72.6	79.0	227.7	442.2	485.0	222.0	406.8	140.6	209.0	11.1	3055.3	
1952	10.1	78.5	124.6	128.0	227.7	442.2	485.0	222.0	779.9	167.2	219.5	185.9	5421.6	
1953	35.7	77.3	271.0	208.0	118.0	174.0	418.0	222.0	222.0	69.9	59.9	182.2	2052.9	
1954	38.0	35.0	108.0	45.0	227.7	442.2	485.0	222.0	301.9	79.3	37.1	182.0	2074.0	
1955	101.7	109.0	125.0	45.0	227.7	442.2	485.0	222.0	301.9	79.3	37.1	182.0	1794.3	
1956	97.0	60.0	229.6	159.0	238.5	263.0	222.0	222.0	183.0	65.0	225.8	39.3	1647.1	
1957	77.8	4.1	57.7	50.0	45.1	274.0	334.0	222.0	174.0	41.1	184.0	8.0	1837.6	
1958	27.1	11.7	186.9	297.0	164.9	171.0	316.0	222.0	160.0	188.0	53.0	5.4	1780.7	
1959	62.6	9.0	186.9	297.0	164.9	171.0	316.0	222.0	160.0	188.0	53.0	5.4	1662.2	
1960	89.7	33.3	74.1	60.2	234.1	201.2	360.0	222.0	119.0	89.0	33.3	8.0	1272.0	
MIN	0.0	4.1	7.2	33.8	77.2	90.1	111.4	108.8	39.2	25.1	9.7	8.0	5421.6	
MAX	359.7	310.0	347.0	459.1	1117.0	638.0	926.4	728.0	779.0	344.0	219.5	250.0	2145.7	
PRCM	69.3	67.4	118.3	186.0	314.0	228.0	312.0	226.0	187.0	109.8	59.7	58.9	628.5	
DESV	57.9	48.2	75.0	101.8	180.7	125.8	142.0	111.0	116.0	60.7	59.7	58.9	0.3	
CV	0.8	0.7	0.6	0.5	0.6	0.4	0.4	0.4	0.6	0.6	0.6	0.7	0.3	

NCTA: VALORES NEGATIVOS INDICAN DATOS DESCENDIENTES

PRECIPITACIONES (MM)

```

*****
ZONA      8      HOYA 130 BUENO MAULLIN      SUP 3848 (KM2)
EST       1      HUEYUACA
LAT 4059  LON 7352
*****
ANO  ENE  FEB  MAR  ABR  MAY  JUN  JUL  AG  SEP  OCT  NOV  DIC  TOT
*****
1964 -1.0 -1.0 -1.0  7.0 253.0 227.0 -1.0 379.0 256.0 54.0 68.0 160.0 -1.0
*****

```

PRECIPITACIONES (MM)

```

*****
ZONA      8      HOYA 130  BUENO MAULLIN      SUP  3848  (KM2)
EST       2      PEULLA EN C PANGUE
LAT 4105    LON 7202
*****
ANO  ENE  FEB  MAR  ABR  MAY  JUN  JUL  AG  SEP  OCT  NOV  DIC  TOT
*****
1963 -1.0 -1.0 -1.0 -1.0 263.3 548.0 344.5 376.5 318.5 191.0 310.0 116.0 -1.0
1964 157.5 237.0 143.5 101.5 297.0 704.0 224.0 -1.0 -1.0 254.0 38.0 321.5 -1.0
1965 167.8 417.5 -1.0 647.5 445.5 1037.0 825.5 540.1 1124.0 476.5 329.0 366.0 -1.0
1966 40.0 145.5 272.0 288.5 715.0 677.0 497.5 309.0 88.5 161.4 137.5 795.5 4127.4
1967 -1.0 -1.0 44.9 34.5 492.5 355.5 213.9 772.0 247.0 320.0 145.5 122.5 -1.0
1968 69.0 354.0 171.5 113.5 328.3 238.9 429.2 395.8 353.1 271.6 -1.0 -1.0 -1.0
*****

```

PRECIPITACIONES (MM)

*****													
ZONA	8	HOYA 132	MAULLIN	PETROHUE	SUP 1629 (KM2)								
EST	1	LAGO	CHAPO										
LAT	4124	LON	7233	ALT	330 (MTS)								
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1946	-1.0	-1.0	-1.0	-1.0	375.2	-1.0	-1.0	307.7	499.2	296.6	396.9	132.7	-1.0
1947	361.4	95.4	99.6	131.9	409.4	711.7	496.6	188.3	178.8	85.2	117.7	229.7	3098.9
1948	221.5	57.0	158.5	212.1	180.8	403.2	365.8	169.9	367.5	200.1	-1.0	-1.0	-1.0
1949	50.3	265.1	256.7	369.1	556.2	373.2	141.9	136.8	173.8	35.0	61.0	140.7	2559.8
1950	52.6	120.7	290.1	216.2	409.4	488.2	357.4	314.9	248.9	173.2	259.8	197.9	3155.3
1951	183.6	117.2	194.2	64.3	581.4	455.0	246.2	188.6	244.9	126.5	241.2	129.8	271.0
1952	60.7	63.0	323.3	99.4	349.1	112.8	452.0	156.7	247.6	-1.0	69.5	90.7	-1.0
1953	320.4	74.0	194.8	153.7	667.7	366.5	429.4	547.6	317.5	108.6	130.1	80.1	3250.4
1954	83.6	94.1	67.7	225.3	300.9	-1.0	396.8	-1.0	260.6	-1.0	143.0	203.3	-1.0
1955	120.8	134.0	80.9	383.1	127.0	233.7	325.3	283.3	175.8	37.5	54.8	271.3	2227.5
1956	149.1	104.3	197.1	265.9	240.4	-1.0	403.3	22.0	-1.0	94.9	92.4	-1.0	-1.0
1957	156.5	6.8	128.7	79.6	-1.0	-1.0	-1.0	372.6	192.5	127.5	62.9	183.0	-1.0
1958	59.9	87.2	36.8	188.1	294.2	193.9	484.6	184.6	159.6	72.7	273.8	-1.0	-1.0
1959	-1.0	78.4	200.3	331.5	341.1	104.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1960	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	371.1	602.8	143.4	223.2	-1.0
1961	473.3	103.8	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1962	122.5	-1.0	127.5	193.9	138.1	254.5	215.6	568.0	202.9	96.0	149.9	113.4	-1.0
1963	260.4	56.3	195.9	382.4	247.7	359.6	623.9	278.4	316.1	113.8	269.4	147.3	3251.2
1964	226.3	259.3	177.7	194.6	449.0	248.7	301.0	516.2	243.2	216.2	-1.0	252.0	-1.0
1965	188.3	324.5	81.5	337.6	278.5	502.3	459.2	453.1	207.9	312.0	215.6	221.4	3581.9
1966	172.8	191.0	320.3	195.2	484.9	680.1	315.6	226.0	172.3	198.5	102.7	432.3	3491.7
1967	317.5	119.7	210.4	131.1	579.1	305.7	452.2	508.2	314.6	278.1	230.8	204.7	3652.1
1968	101.1	283.8	192.2	156.6	476.1	266.3	376.3	297.5	207.2	306.0	212.5	312.6	3188.2
MIN	50.3	6.8	36.8	64.3	127.0	0.0	0.0	0.0	159.6	35.0	54.8	80.1	2227.5
MAX	473.3	324.5	323.3	383.1	667.7	711.7	623.9	568.0	499.2	602.8	396.9	432.3	3652.1
PROM	184.1	131.8	176.7	215.6	274.3	336.6	360.2	286.0	255.1	183.2	169.9	198.1	3145.7
DESV	115.4	86.6	81.2	99.7	153.2	187.7	140.8	166.1	86.8	135.1	93.2	86.1	444.6
CV	0.6	0.7	0.5	0.5	0.4	0.6	0.4	0.6	0.3	0.7	0.5	0.4	0.1

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 8

HOYA 132 MAULLIN PETROHUE

SUP 1629 (KM2)

125.

EST 3 TEPUAL FACH

LAT 4128 LON 7256 ALT 108 (MTS)

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1964	82.0	112.0	138.0	130.0	375.0	252.0	223.0	268.0	180.0	67.0	169.0	144.0	2140.0
1965	102.0	198.0	73.0	229.0	169.0	346.0	267.0	277.0	85.0	154.0	106.0	143.0	2149.0
1966	61.0	61.0	200.0	213.0	326.0	382.0	246.0	138.0	163.0	120.0	98.0	204.0	2212.0
1967	184.0	143.0	125.0	102.0	346.0	150.0	266.0	346.0	164.0	185.0	140.0	122.0	2273.0
1968	45.0	144.9	112.0	149.7	233.3	157.7	271.4	179.9	118.9	138.6	118.5	216.6	1886.5
MIN	45.0	61.0	73.0	102.0	169.0	150.0	223.0	138.0	85.0	67.0	98.0	122.0	1886.5
MAX	184.0	198.0	200.0	229.0	375.0	382.0	271.4	346.0	180.0	185.0	169.0	216.6	2273.0
PROM	94.8	131.8	129.6	164.7	289.9	257.5	254.7	241.8	142.2	132.9	126.3	165.9	2132.1
DESV	54.3	50.2	46.3	54.4	85.9	105.9	20.2	82.7	39.2	43.9	28.7	41.7	147.4
CV	0.6	0.4	0.4	0.3	0.3	0.4	0.1	0.3	0.3	0.3	0.2	0.3	0.1

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZCNA 8 HOYA 132 MAULLIN PETROHUE SUP 1629 (KM2)  
 EST 4 PUERTO MONTT  
 LAT 4128 LON 7256 ALT 13 (MTS)  
 \*\*\*\*\*

126

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1870	170.0	135.0	328.0	221.0	409.0	160.0	297.0	219.0	94.0	80.0	55.0	232.0	2400.0
1861	42.0	110.0	260.0	387.0	312.0	302.0	276.0	256.0	179.0	123.0	98.0	47.0	2392.0
1862	182.0	206.0	219.0	235.0	311.0	583.0	313.0	290.0	123.0	210.0	262.0	118.0	3052.0
1863	118.0	70.0	163.0	334.0	169.0	492.0	269.0	241.0	164.0	122.0	124.0	260.0	2526.0
1864	94.0	62.0	137.0	110.0	444.0	274.0	262.0	292.0	177.0	163.0	147.0	223.0	2385.0
1865	64.0	19.0	91.0	267.0	464.0	249.0	339.0	350.0	214.0	296.0	126.0	167.0	2646.0
1866	74.0	78.0	361.0	278.0	403.0	92.0	360.0	470.0	223.0	99.0	214.0	26.0	2678.0
1867	42.0	117.0	248.0	230.0	521.0	323.0	222.0	226.0	131.0	66.0	149.0	271.0	2546.0
1868	270.0	199.0	167.0	249.0	354.0	438.0	304.0	221.0	266.0	204.0	148.0	375.0	3195.0
1869	146.0	92.0	158.0	85.0	245.0	197.0	354.0	255.0	171.0	133.0	152.0	285.0	2273.0
1871	135.0	41.0	356.0	207.0	213.0	147.0	196.0	306.0	104.0	182.0	69.0	74.0	2030.0
1872	150.0	91.0	176.0	175.0	161.0	250.0	234.0	287.0	256.0	183.0	185.0	177.0	2325.0
1888	17.0	124.0	75.0	206.0	342.0	255.0	230.0	260.0	195.0	232.0	133.0	161.0	2230.0
1889	64.0	51.0	152.0	153.0	255.0	152.0	273.0	192.0	149.0	71.0	116.0	189.0	1817.0
1890	214.0	73.0	77.0	180.0	159.0	166.0	344.0	122.0	156.0	112.0	52.0	226.0	1881.0
1891	222.0	129.0	193.0	128.0	167.0	298.0	193.0	179.0	230.0	232.0	96.0	29.0	2096.0
1892	117.0	204.0	128.0	81.0	232.0	155.0	226.0	170.0	193.0	167.0	56.0	94.0	1823.0
1893	312.0	59.0	187.0	77.0	204.0	160.0	358.0	191.0	76.0	53.0	101.0	143.0	1921.0
1894	112.0	123.0	141.0	92.0	220.0	137.0	233.0	168.0	154.0	182.0	176.0	109.0	1847.0
1895	92.0	85.0	227.0	128.0	190.0	266.0	381.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1896	131.0	41.0	91.0	69.0	120.0	104.0	397.0	213.0	311.0	210.0	194.0	58.0	1939.0
1897	28.0	70.0	106.0	357.0	152.0	167.0	145.0	223.0	54.0	154.0	172.0	164.0	1792.0
1898	115.0	233.0	118.0	255.0	351.0	200.0	297.0	109.0	149.0	105.0	176.0	169.0	2277.0
1899	208.0	124.0	160.0	187.0	498.0	186.0	518.0	323.0	94.0	102.0	202.0	115.0	2717.0
1900	123.0	147.0	298.0	126.0	166.0	175.0	431.0	196.0	195.0	193.0	225.0	45.0	2320.0
1901	59.0	163.0	87.0	116.0	331.0	470.0	288.0	278.0	171.0	70.0	227.0	115.0	2375.0
1902	107.0	170.0	195.0	263.0	542.0	231.0	310.0	229.0	162.0	137.0	118.0	94.0	2558.0
1907	57.0	126.0	83.0	89.0	191.0	363.0	212.0	203.0	181.0	106.0	39.0	135.0	1785.0
1908	-1.0	-1.0	-1.0	-1.0	-1.0	264.0	125.0	-1.0	140.0	189.0	131.0	87.0	-1.0
1909	76.0	8.0	48.0	116.0	148.0	202.0	110.0	339.0	66.0	155.0	74.0	135.0	1477.0
1910	123.6	125.8	17.8	124.6	228.4	334.5	240.5	296.5	128.0	70.0	167.0	7.0	1863.7
1911	109.0	53.5	32.9	261.7	198.6	91.3	191.7	209.6	101.8	62.3	170.8	130.6	1613.8
1912	63.0	222.2	82.7	229.7	263.2	223.9	173.9	239.3	71.7	190.6	131.1	124.9	2016.2
1913	6.3	74.8	98.3	278.7	247.7	198.7	374.2	168.0	164.2	103.2	34.3	75.7	1824.1
1914	108.7	28.5	68.1	70.1	248.0	378.9	202.7	154.2	302.6	89.8	209.5	66.9	1928.0
1915	15.0	111.2	69.3	351.5	385.9	344.7	339.2	302.8	125.4	135.1	120.5	111.9	2412.2
1916	138.6	27.0	111.4	130.4	269.6	127.5	203.5	254.0	215.6	81.2	204.8	119.4	1883.0
1917	82.7	78.5	109.7	59.2	115.6	181.5	158.9	182.1	99.5	66.3	97.0	131.0	1362.0
1918	-1.0	37.0	280.6	227.0	-1.0	-1.0	-1.0	-1.0	182.6	124.8	154.1	57.2	-1.0
1919	121.1	110.4	173.8	276.8	500.6	184.5	234.6	208.0	191.4	127.3	202.2	118.2	2448.9
1920	108.3	51.7	279.4	222.3	417.8	186.0	234.1	175.7	189.0	158.2	207.4	123.0	2352.9
1921	244.1	176.2	100.6	338.3	302.4	296.2	129.6	358.0	91.1	71.4	44.5	345.9	2498.3
1922	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	272.9	77.6	96.9	57.6	44.3	-1.0
1923	-1.0	91.0	287.0	-1.0	87.0	249.0	138.0	193.0	-1.0	-1.0	-1.0	-1.0	-1.0
1924	25.0	226.7	190.2	205.9	138.8	362.7	237.9	129.8	99.4	62.7	55.5	127.7	1862.3
1925	103.3	102.4	69.3	243.8	137.4	211.3	169.6	-1.0	304.8	87.7	178.0	134.4	-1.0
1926	225.9	84.8	309.4	150.7	192.3	319.2	175.1	204.8	170.1	138.8	251.7	214.8	2437.6
1927	90.8	113.2	160.0	250.4	249.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1928	-1.0	-1.0	-1.0	-1.0	-1.0	230.2	253.6	97.1	55.3	51.0	125.9	148.0	-1.0
1929	74.0	253.0	146.0	235.0	137.0	195.0	173.0	280.0	132.0	102.0	107.0	279.0	2113.0

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1930	84.0	71.0	186.0	249.0	292.0	684.0	431.0	246.0	301.0	327.0	326.0	456.0	3653.0
1931	171.0	89.0	46.0	162.0	137.0	156.0	176.0	160.0	61.0	155.0	93.0	61.0	1467.0
1932	58.0	114.0	96.0	292.0	100.0	215.0	251.0	169.0	179.0	121.0	116.0	71.0	1782.0
1933	144.0	112.0	207.0	155.0	130.0	185.0	97.0	257.0	104.0	115.0	139.0	116.0	1761.0
1934	91.0	99.0	132.0	54.0	142.0	313.0	191.0	195.0	175.0	107.0	32.0	82.0	1613.0
1935	86.0	96.0	116.0	120.0	257.0	397.0	111.0	167.0	146.0	107.0	112.0	140.0	1855.0
1936	38.0	55.0	105.0	176.0	265.0	200.0	200.0	147.0	184.0	96.0	58.0	224.0	1805.0
1937	36.0	137.0	262.0	93.0	203.0	235.0	214.0	154.0	69.0	80.0	176.0	55.0	1714.0
1938	111.0	20.0	96.0	98.0	195.0	257.0	230.0	137.0	151.0	165.0	186.0	50.0	1696.0
1939	141.0	166.0	63.0	75.0	368.0	255.0	130.0	224.0	127.0	217.0	100.0	48.0	1914.0
1940	107.0	162.0	124.0	212.0	308.0	334.0	255.0	99.0	158.0	104.0	112.0	115.0	2090.0
1941	2.0	85.0	109.0	231.0	197.0	226.0	273.0	245.0	73.0	43.0	115.0	95.0	1694.0
1942	57.0	62.0	180.0	126.0	181.0	130.0	186.0	183.0	166.0	64.0	74.0	105.0	1514.0
1943	41.0	69.0	155.0	93.0	179.0	151.0	177.0	60.0	172.0	120.0	73.0	8.0	1298.0
1944	32.0	74.0	80.0	142.0	142.0	296.5	136.7	358.1	184.3	321.5	106.3	43.7	1917.1
1945	43.8	106.6	162.9	175.3	455.0	234.4	361.0	319.5	138.3	84.9	175.2	189.0	2445.9
1946	93.9	170.7	76.6	126.8	241.6	179.0	248.7	154.9	307.9	238.8	291.4	64.0	2194.3
1947	137.6	88.7	71.2	97.5	273.8	295.6	113.6	174.7	140.6	73.9	111.4	112.0	1690.6
1948	114.4	42.7	101.1	153.2	138.8	285.0	246.6	122.0	269.2	98.5	39.7	153.8	1765.0
1949	49.1	179.2	192.0	133.4	412.5	387.3	120.8	111.0	157.0	20.0	44.0	94.0	1900.3
1950	24.0	143.0	203.0	181.5	240.5	422.5	222.4	280.5	140.3	78.8	130.2	116.5	2192.6
1951	178.0	51.5	48.0	43.0	440.5	181.0	211.0	130.3	200.1	138.2	122.9	93.5	1847.5
1952	28.6	43.2	238.5	59.6	252.5	111.0	205.0	153.7	136.3	57.4	78.2	23.4	1387.4
1953	153.5	98.5	185.4	36.4	386.8	275.0	305.0	369.0	324.0	87.9	60.0	118.0	2399.5
1954	69.6	58.0	45.5	128.5	218.0	199.5	449.9	212.0	266.0	214.6	92.6	188.0	2142.2
1955	136.7	129.2	90.7	321.5	57.3	316.7	346.2	285.2	97.4	49.9	51.5	205.7	2088.0
1956	154.7	65.5	170.0	180.9	156.5	176.2	155.1	191.6	156.8	86.5	57.2	13.8	1564.8
1957	96.1	19.1	173.9	22.2	163.2	236.5	435.8	287.8	145.6	93.5	124.0	58.1	1855.8
1958	50.1	42.4	34.5	153.8	242.5	212.2	387.2	211.6	124.3	49.4	217.5	65.1	1790.6
1959	102.0	36.5	233.1	261.0	228.0	137.5	215.0	250.0	172.5	162.3	73.0	23.0	1893.9
1960	145.0	62.4	87.0	191.0	144.6	266.4	320.0	179.6	159.6	185.7	64.3	131.7	1937.3
1961	246.4	88.0	80.5	125.2	250.6	-1.0	310.8	261.3	246.7	-1.0	113.9	39.9	-1.0
1962	54.9	19.6	112.1	118.3	113.4	210.4	138.0	377.9	140.7	95.3	168.4	106.3	1655.3
1963	96.4	48.7	168.8	266.4	-1.0	-1.0	259.2	180.7	119.5	105.8	174.2	83.4	-1.0
MIN	2.0	8.0	17.8	22.2	57.3	91.3	97.0	60.0	54.0	20.0	32.0	7.0	1298.0
MAX	312.0	253.0	361.0	387.0	542.0	684.0	518.0	470.0	324.0	327.0	326.0	456.0	3653.0
PROM	105.7	99.0	148.7	176.4	252.0	250.5	249.8	222.6	162.6	127.7	130.2	126.3	2060.0
DESV	64.0	56.0	79.2	84.7	114.0	107.4	91.8	75.6	64.7	63.6	63.6	84.1	428.4
CV	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.4	0.5	0.5	0.7	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 8 HOYA 132 MAULLIN PETROHUE SUP 1629 (KM2)  
 EST 5 CAMUT EN PORTEZUELO  
 LAT 4131 LON 7222  
 \*\*\*\*\*  
 ANO 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 -1.0 -1.0 -1.0 328.1 341.5 208.5 -1.0  
 1966 119.5 149.0 316.0 329.5 1002.0 905.0 562.3 364.5 241.5 286.4 155.5 445.7 4897.5  
 1967 422.0 227.5 278.5 125.6 870.6 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 272.9 4927.5  
 1968 108.2 394.2 217.5 227.9 508.9 351.6 730.8 391.1 322.3 404.6 335.3 393.1 4385.5  
 \*\*\*\*\*

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 8 HOYA 132 MAULLIN PETROHUE SUP 1629 (KM2)  
 EST 6 L CHAPC EN CEDRO  
 LAT 4131 LON 7227  
 \*\*\*\*\*

129.

\*\*\*\*\*

ANO	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	-1.0	-1.0	-1.0	406.9	266.2	212.9	-1.0
1966	139.8	185.5	350.1	320.7	1021.0	878.7	456.3	283.1	279.2	264.2	129.4	512.9	4821.7
1967	407.5	187.8	242.0	129.0	750.1	346.4	643.8	738.6	400.1	396.6	245.8	237.0	4724.7
1968	82.0	388.4	278.4	215.0	579.2	321.2	664.8	351.4	336.2	397.0	354.6	370.9	4339.1

\*\*\*\*\*

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 9 HOYA 134 PUELO YELCHO SUP 6062 (KM2)  
 EST 1 RENIHUE  
 LAT 4234 LON 7230 ALT 5 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1914	636.0	117.0	143.0	183.0	661.0	1086.0	527.0	359.0	679.0	195.0	535.0	215.0	5336.0
1915	-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
1916	451.7	74.4	439.6	455.7	712.4	298.1	639.1	404.1	635.8	227.2	498.0	268.0	5104.1
1917	267.8	312.2	223.2	153.2	384.6	824.8	495.4	553.4	460.4	284.2	216.8	571.8	4747.8
1918	378.2	209.8	668.6	644.6	821.2	390.0	697.4	613.0	292.2	394.2	323.8	305.2	5738.2
1919	186.2	164.6	224.4	744.6	1135.0	553.0	566.6	501.2	441.8	257.0	742.0	493.4	6010.4
1940	553.0	647.0	334.0	868.0	690.0	694.0	880.0	445.0	441.0	335.0	422.0	588.0	6897.0
1941	57.0	351.0	272.0	673.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	57.0	74.4	143.0	153.2	384.6	298.1	495.4	359.0	292.2	195.0	216.8	215.0	4747.8
MAX	636.0	647.0	668.6	868.0	1135.0	1086.0	880.0	613.0	679.0	394.2	742.0	588.0	6897.0
PROM	361.4	268.0	329.3	531.7	734.0	641.0	634.2	479.3	491.7	282.1	456.3	406.9	5638.9
DESV	205.2	194.4	176.8	277.4	244.2	290.8	141.3	95.0	142.6	72.9	182.0	163.7	761.9
CV	0.6	0.7	0.5	0.5	0.3	0.5	0.2	0.2	0.3	0.3	0.4	0.4	0.1

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 9 HOYA 134 PUELO YELCHO SUP 6062 (K112)  
 EST 2 CHAITEN YELCHO  
 LAT 4254 LON 7245

\*\*\*\*\*

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
1940	-1.0	-1.0	-1.0	555.0	490.0	694.0	456.0	247.0	261.0	143.0	292.0	-1.0	-1.0
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	-1.0	-1.0	-1.0	-1.0	403.0	304.0	404.0	480.0	367.0	172.0	192.0	193.0	-1.0
1943	74.0	226.0	267.0	283.0	362.0	268.0	404.0	197.0	415.0	304.0	137.0	57.0	2994.0
1944	74.0	278.0	240.0	208.0	371.0	720.8	345.8	665.4	456.0	627.2	202.5	158.7	4347.4
1945	104.9	128.7	278.3	298.7	488.0	438.9	569.6	547.3	315.3	349.6	355.4	299.1	4173.8
1946	190.7	254.6	93.2	283.5	391.8	308.7	400.6	377.5	541.3	354.0	815.4	235.7	4247.0
1947	391.1	189.1	217.7	254.1	657.7	579.6	281.0	406.0	293.0	43.0	62.0	50.0	3424.3
1948	61.0	197.0	163.0	45.0	117.0	177.0	124.0	85.0	140.0	120.0	10.0	117.0	1356.0
1949	18.0	70.0	67.0	127.0	153.0	704.2	182.0	226.4	198.0	50.2	134.5	205.6	2135.9
1950	78.8	264.0	419.1	431.6	544.0	853.2	450.6	554.1	323.4	247.5	223.0	485.7	4880.0
1951	526.9	303.5	318.5	134.4	452.4	470.3	395.3	387.7	440.8	303.9	538.3	116.0	4388.0
1951	115.6	133.2	567.5	298.0	480.5	100.0	467.2	342.0	319.0	262.2	335.4	178.9	3599.5
1953	42.0	29.0	79.0	94.0	935.0	409.0	771.0	256.0	940.0	305.0	48.0	32.0	3640.0
1954	68.0	189.0	176.0	336.0	388.0	416.0	480.0	253.0	215.0	221.0	202.0	170.0	3114.0
1955	68.0	104.0	215.0	532.0	280.0	484.0	315.0	407.0	130.0	217.0	63.0	391.0	3206.0
1956	126.0	202.0	297.0	201.0	403.0	318.0	391.0	160.0	200.0	248.0	52.0	32.0	2630.0
1957	272.0	26.0	106.0	25.0	106.0	100.0	175.0	104.0	174.0	40.0	103.0	225.0	1456.0
1958	241.6	55.0	73.0	407.0	417.0	311.0	422.0	358.0	352.0	90.0	482.0	156.0	3364.6
1959	209.0	57.0	187.0	230.0	246.0	234.0	136.0	148.0	116.0	266.0	157.9	102.2	2089.1
1960	232.2	120.1	149.3	265.0	188.7	324.3	460.9	368.3	317.4	445.8	220.5	114.7	3207.2
1961	473.5	78.7	75.9	92.8	188.9	300.5	360.6	395.1	363.5	157.7	220.2	104.7	2812.1
1962	110.4	65.7	213.6	244.8	137.2	369.3	251.2	-1.0	200.3	145.4	166.7	206.5	-1.0
1963	187.9	132.0	303.8	439.9	366.6	542.2	662.5	482.2	298.8	142.6	297.2	98.7	3954.4
1964	82.4	200.5	-1.0	250.2	446.0	283.6	384.2	671.6	453.8	104.5	108.6	218.2	-1.0
1965	289.6	221.4	90.4	441.3	329.4	637.4	479.0	549.2	395.7	457.1	298.2	315.8	4504.5
1966	147.1	137.2	374.6	399.5	560.6	502.3	478.2	387.2	236.9	270.6	109.2	406.0	4409.4
1967	358.0	146.0	254.0	154.0	548.0	292.0	577.0	501.0	280.0	302.0	274.0	389.0	4075.0
1968	111.3	380.2	-1.0	163.0	564.6	357.5	626.7	-1.0	-1.0	569.8	-1.0	-1.0	-1.0
MIN	18.0	26.0	67.0	25.0	106.0	100.0	124.0	85.0	116.0	40.0	10.0	32.0	1356.0
MAX	526.9	380.2	567.5	555.0	960.6	853.2	771.0	671.6	940.0	627.2	815.4	485.7	4880.0
PROM	179.0	161.1	217.7	266.4	407.7	410.7	408.9	367.5	323.8	248.5	225.9	194.6	3391.7
DESV	135.8	90.7	124.6	142.0	210.4	189.3	154.1	162.5	164.4	149.1	174.0	122.6	977.3
CV	0.8	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.5	0.6	0.8	0.6	0.3

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCENCCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
ZONA 9 HOYA 134 PUELO YELCHO SUP 6062 (KM2)  
EST 3 RCHAITEN  
LAT 4255 LON 7243  
\*\*\*\*\*

132.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1966	-1.0	190.0	422.0	350.0	754.0	791.0	645.0	505.0	339.0	-1.0	-1.0	-1.0	-1.0



PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 9 HOYA 135 YELCHO PALENA SUP 3218 (KM2)  
 EST 1 FDO RISOPATRON  
 LAT 4345 LON 7147 ALT 10 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1960	265.0	209.0	212.0	267.0	333.0	618.0	572.0	324.0	463.0	778.0	329.0	252.0	4622.0
1961	521.0	-1.0	317.0	187.0	450.0	-1.0	-1.0	-1.0	402.0	259.0	272.0	126.0	-1.0
1962	156.0	42.0	258.0	479.0	449.0	534.0	363.0	788.0	235.0	112.0	138.0	248.0	3802.0
1963	251.0	76.0	412.0	915.0	598.0	597.0	596.0	410.0	294.0	123.0	323.0	424.0	5019.0
1964	269.0	405.0	525.0	324.0	838.0	407.0	454.0	657.0	437.0	165.0	94.0	457.0	5032.0
1965	269.0	494.0	80.0	576.0	574.0	908.0	517.0	780.0	327.0	623.0	579.0	284.0	6011.0
1966	132.0	100.0	410.0	308.0	1171.0	619.0	588.0	316.0	274.0	293.0	203.0	583.0	4997.0
1967	328.0	150.0	180.0	255.0	900.0	319.0	686.0	693.0	437.0	-1.0	-1.0	-1.0	-1.0
1968	148.9	-1.0	-1.0	-1.0	-1.0	332.0	482.6	562.9	524.1	333.5	434.9	566.6	-1.0
MIN	132.0	42.0	80.0	187.0	333.0	319.0	363.0	316.0	235.0	112.0	94.0	126.0	3802.0
MAX	521.0	494.0	525.0	915.0	1171.0	908.0	686.0	788.0	524.1	778.0	579.0	583.0	6011.0
PRDM	260.0	210.9	299.3	413.9	664.1	541.8	532.3	566.4	377.0	335.8	296.6	367.6	4913.8
DESV	118.6	173.5	145.3	238.8	282.1	193.0	99.9	194.5	98.1	242.1	158.7	164.8	715.1
CV	0.5	0.8	0.5	0.6	0.4	0.4	0.2	0.3	0.3	0.7	0.5	0.4	0.1

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 9 HOYA 136 PALENA CISNES SUP 2690 (KM2) 134  
 EST 1 PTO PUYUHAPI  
 LAT 4420 LON 7228  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1936	241.0	156.0	291.0	229.0	398.0	386.0	617.0	311.0	-1.0	170.0	117.0	-1.0	-1.0
1937	-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
1938	256.0	58.0	336.0	203.0	499.0	478.0	422.0	462.0	430.0	379.0	602.0	194.0	4359.0
1939	336.0	263.0	155.0	207.0	404.0	464.0	533.0	683.0	337.0	312.0	144.0	104.0	3942.0
1940	404.0	219.0	358.0	612.0	563.0	518.0	479.0	242.0	305.0	172.0	312.0	428.0	4612.0
1941	40.0	185.0	122.0	330.0	352.0	388.0	424.0	357.0	281.0	208.0	330.0	419.0	3436.0
1942	251.0	302.0	353.0	428.0	284.0	177.0	368.0	469.0	314.0	162.0	170.0	301.0	3579.0
1943	118.0	256.0	248.0	176.0	390.0	275.0	292.0	168.0	347.0	553.0	169.0	96.0	3088.0
1944	35.0	181.0	206.8	197.0	396.6	542.4	327.2	568.7	504.6	548.1	210.0	172.3	3889.7
1945	67.6	101.8	317.9	489.4	518.1	323.9	672.1	549.5	205.1	442.2	371.5	239.7	4298.8
1946	233.2	318.2	65.0	297.4	515.6	200.1	312.6	361.7	365.4	377.2	639.8	211.3	3897.5
1947	464.2	306.5	184.4	168.3	498.3	399.6	259.7	460.3	235.4	209.6	248.6	251.0	3686.5
1948	192.9	195.6	279.8	324.0	721.7	699.0	410.0	339.0	294.6	335.4	137.0	466.3	4395.3
1949	144.8	349.4	414.2	291.5	536.7	630.0	286.7	232.6	329.7	37.3	223.8	174.6	3651.3
1950	74.4	310.9	445.6	336.2	475.3	303.4	515.1	402.0	761.5	187.9	228.7	316.7	4157.7
1951	273.9	125.0	252.4	161.6	530.2	470.5	296.6	427.4	446.5	342.9	469.6	165.2	3961.8
1952	203.6	178.1	377.4	273.6	465.9	777.2	397.0	295.3	292.9	187.1	208.3	77.1	3033.5
1953	427.1	245.6	311.5	216.5	745.9	466.9	385.0	641.7	384.1	167.2	190.8	181.4	4363.7
1954	201.3	207.8	119.8	259.6	231.1	218.3	621.1	478.8	292.4	221.1	197.8	299.5	3348.6
1955	174.9	212.5	214.6	429.6	131.4	374.5	-1.0	331.3	168.0	84.4	89.9	566.9	-1.0
1956	352.0	175.4	256.8	239.1	262.6	396.4	405.4	400.7	358.5	163.0	89.8	54.3	3154.0
1957	334.2	146.4	227.8	66.2	406.8	226.6	469.1	634.5	-1.0	-1.0	235.0	304.8	-1.0
1958	203.3	-1.0	88.3	-1.0	549.2	347.8	905.5	425.8	167.6	338.4	136.8	171.5	-1.0
1959	229.7	249.7	406.1	237.2	408.7	761.6	223.4	504.7	276.8	352.6	170.0	95.7	3316.2
1960	164.0	178.7	120.7	248.5	250.9	365.0	453.9	238.8	371.8	475.5	232.2	235.4	3335.4
1961	490.7	190.7	243.3	169.6	275.2	332.5	278.5	327.8	277.9	180.1	179.8	118.7	3064.8
1962	141.0	28.0	161.0	346.0	212.0	419.0	234.0	590.0	210.0	91.0	129.0	212.0	2773.0
1963	198.0	92.0	345.0	571.0	363.0	426.0	444.0	280.0	209.0	66.0	234.0	367.0	3595.0
1964	207.0	339.0	268.0	251.0	517.0	250.0	341.0	503.0	363.0	166.0	52.0	357.0	3614.0
1965	263.0	357.0	61.0	371.0	396.0	410.0	594.0	222.0	502.0	434.0	244.0	-1.0	-1.0
1966	102.0	108.0	334.0	161.0	759.0	398.0	421.0	239.0	242.0	196.0	152.0	282.0	3394.0
1967	290.0	129.0	198.0	172.0	645.0	218.0	516.0	522.0	-1.0	252.0	334.0	236.0	-1.0
1968	108.9	305.3	142.6	165.2	-1.0	236.8	532.3	441.7	482.9	274.5	353.3	-1.0	-1.0
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
MIN	35.0	28.0	61.0	66.2	131.4	177.0	223.4	168.0	167.6	37.3	52.0	54.3	2773.0
MAX	490.7	357.0	445.6	612.0	759.0	777.2	905.5	683.0	761.5	553.0	639.8	566.9	4612.0
PROM	225.7	210.0	247.0	278.3	442.0	402.5	433.4	409.7	336.4	260.8	237.6	244.8	3677.9
DESV	118.1	86.0	105.9	125.0	155.2	155.1	147.6	136.3	123.5	137.1	135.2	124.8	497.1
CV	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.5	0.6	0.5	0.1
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 9

HOYA 138 AYSEN BAKER  
EST 1 ITSMO DE OFQUI  
LAT 4644 LCN 7400

SUP 27410 (KM2)

135.

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1938	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	90.0	337.0	257.0	410.0	-1.0
1939	332.0	335.0	314.0	263.0	133.0	230.0	290.0	164.0	101.0	237.0	216.0	-1.0	-1.0
1940	555.0	248.0	366.0	318.0	207.0	178.0	228.0	205.0	187.0	157.0	273.0	431.0	3353.0
1941	-1.0	280.0	211.0	373.0	225.0	247.0	104.0	251.0	250.0	200.0	411.0	372.0	-1.0
1942	417.0	353.0	368.0	353.0	254.0	270.0	188.0	152.0	167.0	298.0	321.0	399.0	3540.0
1943	277.0	309.0	413.0	138.0	295.0	288.0	150.0	123.0	240.0	291.0	305.0	200.0	3029.0
1944	92.0	203.1	252.4	236.2	484.3	-1.0	185.6	86.8	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	92.0	203.1	211.0	138.0	133.0	178.0	104.0	86.8	90.0	157.0	216.0	200.0	3029.0
MAX	555.0	353.0	413.0	373.0	484.3	288.0	290.0	251.0	250.0	337.0	411.0	431.0	3540.0
PROM	334.6	288.0	320.7	280.2	266.4	242.6	190.9	163.6	172.5	253.3	297.2	362.4	3307.3
DESV	171.4	56.1	76.9	86.9	119.6	42.3	64.0	58.4	67.4	67.5	66.9	93.2	258.5
CV	0.5	0.2	0.2	0.3	0.4	0.2	0.3	0.4	0.4	0.3	0.2	0.3	0.1

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 9

HOYA 138 AYSEN BAKER

SUP 27410 (KM2)

EST 2 CABO RAPER

LAT 4650 LON 7535 ALT 40 (MTS)

136

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

\*\*\*\*\*

ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1914	327.5	219.0	197.0	155.5	339.0	211.5	267.0	234.0	194.0	191.5	117.5	-1.0	-1.0
1915	139.5	166.0	175.0	103.1	120.6	87.4	215.2	186.0	176.0	118.0	153.5	101.0	1741.3
1916	155.0	95.5	128.0	155.0	184.0	109.0	79.0	107.0	119.5	61.5	122.5	72.0	1388.0
1917	107.0	108.0	147.0	118.0	98.0	135.0	69.0	65.0	-1.0	-1.0	-1.0	156.8	-1.0
1918	80.2	164.2	210.2	258.2	95.8	68.1	-1.0	140.1	122.3	135.7	195.0	-1.0	-1.0
1919	106.6	131.1	110.8	199.2	168.1	82.4	197.0	105.4	101.2	107.3	200.7	140.5	1650.3
1920	208.0	120.4	164.4	132.1	171.5	202.4	162.3	186.5	222.8	107.8	130.7	231.0	2039.9
1921	153.6	185.3	105.4	136.0	230.5	153.5	149.1	204.0	141.9	100.1	129.0	211.1	1899.5
1922	179.6	76.4	65.2	140.5	150.5	135.8	180.4	183.9	152.9	143.9	145.3	55.6	1610.0
1923	113.3	155.4	175.8	147.9	140.0	165.7	81.2	123.9	117.4	35.1	189.3	137.8	1582.8
1924	166.4	163.2	226.5	291.3	133.0	310.3	135.3	238.5	90.2	129.7	113.1	307.9	2305.4
1925	217.2	280.1	298.5	294.1	309.1	170.5	111.2	75.1	139.6	122.2	56.2	167.0	2240.8
1926	185.2	120.4	129.6	110.5	147.7	64.6	115.4	64.0	80.7	174.6	268.8	266.3	1727.8
1927	201.3	178.5	154.3	206.9	191.2	194.7	120.2	141.8	147.2	39.4	143.5	139.5	1858.5
1928	115.4	107.5	165.7	219.3	86.3	98.1	125.8	184.6	85.4	92.9	177.1	194.9	1653.0
1929	236.0	136.0	190.0	148.0	170.0	120.0	187.0	178.0	134.0	185.0	153.0	176.0	2013.0
1930	284.0	64.0	143.0	84.0	115.0	68.0	132.0	90.0	144.0	113.0	93.0	112.0	1442.0
1931	130.0	111.0	156.0	175.0	202.0	209.0	148.0	154.0	47.0	155.0	151.0	110.0	1748.0
1932	194.0	169.0	159.0	195.0	161.0	203.0	165.0	149.0	144.0	107.0	185.0	166.0	1997.0
1933	78.0	163.0	155.0	175.0	141.0	189.0	312.0	153.0	152.0	164.0	191.0	145.0	2018.0
1934	206.0	171.0	211.0	222.0	269.0	232.0	434.0	324.0	68.0	209.0	149.0	177.0	2672.0
1935	329.0	184.0	219.0	297.0	291.0	383.0	328.0	323.0	162.0	193.0	289.0	293.0	3291.0
1936	183.0	119.0	167.0	165.0	199.0	209.0	233.0	202.0	168.0	145.0	135.0	210.0	2135.0
1937	160.0	193.0	221.0	224.0	188.0	232.0	235.0	173.0	210.0	272.0	200.0	163.0	2471.0
1938	171.0	174.0	190.0	281.0	173.0	157.0	244.0	150.0	193.0	243.0	143.0	218.0	2337.0
1939	164.0	227.0	203.0	214.0	183.0	361.0	380.0	301.0	138.0	312.0	113.0	98.0	2694.0
1940	247.0	137.0	279.0	231.0	175.0	266.0	368.0	183.0	96.0	83.0	167.0	163.0	2395.0
1941	152.0	128.0	109.0	125.0	127.0	177.0	238.0	155.0	119.0	91.0	162.0	140.0	1723.0
1942	227.0	189.0	97.0	179.0	184.0	183.0	117.0	167.0	186.0	246.0	280.0	127.0	2182.0
1943	138.0	105.0	160.0	80.0	145.0	118.0	197.0	99.0	158.0	146.0	146.0	99.0	1591.0
1944	35.0	103.0	88.0	87.1	196.8	69.5	149.6	132.5	191.4	372.5	172.3	342.4	1940.1
1945	179.1	127.8	318.9	205.0	589.1	278.3	283.1	246.4	170.3	384.6	235.0	134.6	3152.2
1946	140.0	185.0	110.8	144.5	182.7	110.0	189.8	157.6	114.7	189.9	137.4	157.6	1820.0
1947	172.7	118.2	133.2	162.4	207.5	228.1	224.2	167.6	146.7	193.8	124.1	181.0	2059.5
1948	126.9	88.0	124.9	188.1	210.6	221.9	129.6	73.8	173.2	104.5	102.4	211.6	1755.5
1949	208.7	101.4	218.6	256.0	199.8	467.6	139.8	202.2	109.4	141.8	239.5	209.8	2494.6
1950	194.9	213.0	190.3	168.3	95.3	159.4	168.6	37.4	82.7	123.4	98.6	90.4	1622.3
1951	138.1	95.6	196.2	95.4	146.6	70.3	42.5	172.0	35.2	92.9	121.4	89.4	1295.6
1952	91.0	109.2	124.9	92.1	177.7	61.8	169.6	131.0	91.7	117.6	189.8	88.4	1444.8
1953	180.9	303.5	250.6	162.0	286.6	241.5	321.1	311.2	254.5	346.0	386.6	64.2	3108.7
1954	76.2	129.6	68.7	96.2	78.0	21.2	97.4	83.0	84.2	76.4	52.3	113.2	976.4
1955	82.9	84.3	140.8	269.7	176.1	263.4	193.1	255.2	116.4	126.7	215.0	337.1	2260.7
1956	179.6	137.3	264.4	151.0	82.4	265.0	135.7	103.5	72.9	50.5	57.5	92.0	1591.8
1957	177.9	22.8	73.4	37.7	152.2	122.5	98.5	211.8	107.5	84.3	131.7	169.8	1390.1
1958	186.7	182.0	72.0	261.0	188.2	263.0	182.3	169.4	129.8	92.3	170.5	110.7	2007.9
1959	159.6	158.9	251.9	49.3	113.5	121.6	124.8	79.2	121.1	73.2	71.5	68.0	1392.6
1960	106.5	95.3	40.2	102.6	127.0	74.0	159.3	124.4	132.2	110.4	95.6	94.0	1261.5
1961	144.7	192.4	-1.0	-1.0	96.0	115.0	53.2	114.4	-1.0	-1.0	-1.0	-1.0	-1.0
1962	102.7	57.0	-1.0	81.2	68.0	43.9	-1.0	-1.0	115.0	96.0	-1.0	91.4	-1.0
1963	60.1	41.5	79.6	152.5	97.8	58.6	152.3	67.7	68.0	48.1	87.5	64.6	978.3

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1964	93.0	74.0	90.0	94.0	93.0	66.0	90.0	89.0	89.0	72.0	42.0	102.0	996.0
1965	62.0	106.0	32.0	96.0	77.0	130.0	46.0	108.0	63.0	49.0	56.0	57.0	882.0
1966	82.0	47.0	129.0	125.0	140.0	121.0	93.0	63.0	55.0	-1.0	-1.0	68.0	-1.0
1967	95.0	81.0	74.0	113.0	158.0	93.0	90.0	71.0	78.0	126.0	104.0	75.0	1158.0
1968	98.8	154.1	49.6	85.3	85.3	80.2	95.1	93.0	87.3	71.7	188.2	100.8	1189.4
MIN	35.0	22.8	32.0	37.7	68.0	21.2	42.5	37.4	35.2	35.1	42.0	55.6	882.0
MAX	329.0	303.5	318.9	297.0	589.1	467.6	434.0	324.0	254.5	384.6	386.6	342.4	3291.0
PROM	155.1	137.3	155.4	161.8	169.3	164.4	172.7	153.8	126.4	141.7	152.5	147.9	1860.9
DESV	62.6	55.8	67.1	66.3	83.3	92.1	87.6	69.7	47.0	81.9	66.4	71.4	562.1
CV	0.4	0.4	0.4	0.4	0.5	0.6	0.5	0.5	0.4	0.6	0.4	0.5	0.3

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCENCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZCNA 9 HOYA 142 SERRANO NATALES SUP 960 (KM2)  
 EST 1 PTO CONSUELO  
 LAT 5136 LON 7239 ALT 20 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1942	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	15.0	19.5	29.8	25.3	13.0	20.0	-1.0
1943	23.7	19.3	31.2	31.7	31.3	18.3	9.0	1.0	18.3	19.2	86.7	13.7	363.4
1944	8.7	15.0	15.0	50.1	42.7	10.6	25.1	30.1	50.8	23.7	40.6	27.2	339.6
1945	19.5	59.8	174.3	166.4	32.9	20.8	20.4	59.6	31.5	86.2	30.4	6.0	707.8
1946	89.8	98.3	12.0	36.1	74.4	46.1	37.0	36.5	31.7	91.7	93.4	87.7	734.7
1947	45.7	55.4	54.2	90.7	51.2	74.6	81.4	25.9	46.3	26.8	14.4	40.6	607.2
1948	50.2	66.6	90.9	59.0	80.3	98.5	16.9	28.4	32.0	16.5	62.5	52.3	654.1
1949	116.7	57.3	74.0	68.6	63.0	94.7	96.2	68.7	68.5	4.1	55.2	34.6	801.6
1950	49.0	40.0	86.0	107.6	89.6	68.2	107.1	94.2	15.2	41.6	33.9	38.6	771.0
1951	110.5	25.7	94.1	30.2	98.2	29.7	61.8	48.2	27.7	43.7	5.4	8.9	184.1
1952	24.2	49.0	90.2	44.9	42.7	21.2	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1953	16.8	65.0	82.1	47.5	56.9	120.9	31.6	13.2	20.6	49.3	9.0	11.3	524.2
1954	32.6	80.7	105.9	12.7	61.5	6.0	52.9	91.2	18.4	10.0	14.3	52.9	539.1
1955	-1.0	42.8	41.2	101.5	34.1	23.7	60.7	39.2	9.4	20.2	33.3	25.6	-1.0
1956	25.0	38.6	56.7	25.9	39.4	18.3	32.2	52.5	23.0	27.2	15.0	21.8	425.6
1957	87.3	42.1	76.2	8.4	50.4	47.9	27.9	29.6	50.9	31.9	66.1	41.4	560.1
1958	81.4	35.4	28.6	48.4	31.1	21.1	118.2	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1959	-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
1960	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	51.1	94.6	17.7	55.6	123.3	-1.0	-1.0
1961	92.0	76.7	76.8	56.0	82.9	28.6	5.5	8.1	49.3	42.3	97.4	83.3	698.9
1962	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	103.2	68.5	25.9	48.9	-1.0
1963	74.2	9.6	67.7	127.3	59.4	-1.0	-1.0	34.2	22.0	18.0	5.9	74.4	-1.0
1964	36.5	35.5	37.5	22.9	72.4	28.0	46.0	15.8	38.3	8.0	10.9	10.4	362.2
1965	66.2	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	8.7	9.6	12.0	8.4	31.1	6.0	5.5	1.0	9.4	4.1	5.4	6.0	184.1
MAX	116.7	98.3	174.3	166.4	98.2	120.9	118.2	94.6	103.2	91.7	123.3	87.7	801.6
PROM	55.3	48.0	68.1	59.8	57.6	43.2	47.2	41.6	35.2	35.5	41.8	36.8	551.6
DESV	33.6	23.3	38.0	41.6	20.8	33.9	33.3	28.6	21.9	24.6	35.4	24.9	183.6
CV	0.6	0.5	0.6	0.7	0.4	0.8	0.7	0.7	0.6	0.7	0.8	0.7	0.3

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 9 HOYA 142 SERRANO NATALES SUP 960 (KM2) 139.

EST 2 PTO BORIS

LAT 5142 LON 7231 ALT 22 (MTS)

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1932	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	52.0	23.0	24.0	45.0	-1.0
1933	23.0	30.0	8.0	44.0	47.0	52.0	27.0	26.0	13.0	26.0	15.0	21.0	332.0
1934	50.0	49.0	47.0	26.0	64.0	10.0	55.0	26.0	32.0	27.0	12.0	28.0	415.0
1936	33.0	25.0	131.0	40.0	13.0	37.0	29.0	14.0	13.0	14.0	27.0	39.0	201.0
1937	1.0	36.0	17.0	74.0	18.0	11.0	15.0	5.0	5.0	3.0	2.0	0.0	187.0
1938	1.0	26.0	1.0	0.0	29.0	-1.0	47.0	0.0	-1.0	10.0	5.0	-1.0	-1.0
1939	-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
1940	5.0	2.0	0.0	26.0	3.0	4.0	11.0	15.0	21.0	22.0	37.0	36.0	182.0
1941	46.0	0.2	0.0	28.0	36.0	-1.0	-1.0	21.0	50.0	30.0	33.0	41.0	-1.0
1942	32.0	42.0	40.0	8.0	14.0	72.0	22.0	23.0	24.0	31.0	17.0	5.0	330.0
1943	49.0	47.0	49.0	22.0	39.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	1.0	0.2	0.0	0.0	3.0	4.0	11.0	0.0	5.0	3.0	2.0	0.0	182.0
MAX	50.0	49.0	131.0	74.0	64.0	72.0	55.0	26.0	52.0	31.0	37.0	45.0	415.0
PROM	26.7	28.6	32.6	29.8	29.2	31.0	29.4	16.3	26.3	20.7	19.1	26.9	274.5
DESV	20.3	17.8	42.1	21.6	19.3	27.3	16.2	9.7	17.3	9.6	12.1	16.9	97.7
CV	0.8	0.6	1.3	0.7	0.7	0.9	0.5	0.6	0.7	0.5	0.6	0.6	0.4

\*\*\*\*\*

NCTA: VALCRES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 9

HOYA 143 NATALES EST MAGAL

SUP 15540 (KM2)

EST 1 LAGUNA BLANCA

LAT 5216 LON 7110

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOI
1960	19.0	25.0	6.0	40.0	25.0	8.0	0.0	3.0	1.0	8.0	29.0	30.0	194.0
1961	65.0	28.0	19.0	11.0	28.0	3.0	6.0	24.0	12.0	13.0	28.0	18.0	259.0
1962	39.0	6.0	7.0	13.0	35.0	31.0	11.0	23.0	2.0	22.0	26.0	17.0	232.0
1963	37.0	10.0	7.0	66.0	16.0	10.0	17.0	35.0	12.0	5.0	7.0	41.0	203.0
1964	25.0	8.0	16.0	7.0	21.0	9.0	13.0	0.0	0.0	19.0	36.0	-1.0	-1.0
1965	29.0	55.0	46.0	44.0	33.0	34.0	10.0	-1.0	33.0	8.0	4.0	12.0	-1.0
1966	10.0	10.0	38.0	18.0	31.0	25.0	18.0	12.0	25.0	8.5	10.0	46.0	251.5
1967	77.0	27.0	32.0	39.0	44.0	2.0	21.0	-1.0	27.0	12.0	20.0	-1.0	-1.0
1968	7.0	26.0	2.5	16.0	27.0	9.0	8.0	2.5	8.0	2.0	22.0	97.0	227.0
MIN	7.0	6.0	2.5	7.0	16.0	2.0	0.0	0.0	0.0	2.0	4.0	12.0	194.0
MAX	77.0	55.0	46.0	66.0	44.0	34.0	21.0	35.0	33.0	22.0	36.0	97.0	259.0
PROM	34.7	21.7	19.3	28.2	28.9	14.6	11.6	14.2	13.3	10.8	20.2	37.3	227.8
DESV	24.3	15.5	15.8	19.9	8.2	12.1	6.5	13.4	12.2	6.4	11.0	29.2	25.7
CV	0.7	0.7	0.8	0.7	0.3	0.8	0.6	0.9	0.9	0.6	0.5	0.8	0.1

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

\*\*\*\*\*  
ZONA 9 HOYA 143 NATALES EST MAGAL SUP 15540 (KM2)  
EST 2 LAG BLANCA NIEVE  
LAT 5216 LON 7110  
\*\*\*\*\*  
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT  
\*\*\*\*\*  
1966 0.0 0.0 0.0 0.0 3.0 5.0 45.0 6.0 10.5 2.0 0.0 0.0 71.5  
\*\*\*\*\*

PERCENTAJES ( )

ZONA 9 HOYA 143 NATALES EST MAGAL SUP 15540 (KM2)

EST 3 CABO POSICION

LAT 5218 LGN 6857 ALT 80 (MTS)

142.

\*\*\*\*\*

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

\*\*\*\*\*

1913	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	14.5	1.3	18.8	17.8	28.5	-1.0
1914	60.3	19.0	26.1	-1.0	73.2	10.6	-1.0	8.5	17.8	6.6	3.6	85.7	-1.0
1915	15.4	20.9	19.5	36.0	48.1	6.7	33.6	6.7	13.2	24.8	18.5	40.8	284.2
1916	28.8	25.0	61.4	36.6	31.5	7.5	13.1	22.2	9.8	15.8	31.1	39.5	322.3
1917	28.9	22.3	22.2	43.4	24.8	17.1	15.7	3.4	72.9	18.5	10.1	34.7	314.0
1918	14.4	32.8	41.2	75.3	4.8	92.0	19.5	56.9	48.5	32.9	41.0	17.8	477.1
1922	32.3	12.4	3.3	7.0	38.6	30.0	20.3	6.1	6.5	26.4	16.7	32.1	231.7
1923	27.5	25.1	65.1	12.8	12.3	13.6	10.2	7.0	3.5	11.9	28.1	46.7	263.8
1924	29.7	31.5	17.6	49.7	20.1	10.0	22.1	7.0	0.0	5.5	16.9	8.8	218.9
1925	9.7	24.1	18.0	22.9	21.5	45.9	17.3	12.2	14.7	26.0	1.1	22.7	236.1
1926	55.8	11.9	83.2	42.0	35.6	28.2	22.6	20.1	4.7	24.8	38.9	23.6	391.4
1927	59.8	22.6	39.4	22.5	12.2	10.7	4.2	41.0	38.4	6.5	11.1	28.6	297.0
1928	35.6	13.5	14.3	20.3	5.8	22.0	13.0	29.7	6.2	11.1	44.0	62.8	278.3
1929	38.0	12.0	34.0	11.0	37.0	10.0	7.0	23.0	13.0	2.0	30.0	76.0	293.0
1930	31.0	25.0	73.0	9.0	7.0	46.0	25.0	24.0	12.0	3.0	36.0	55.0	346.0
1931	18.0	52.0	43.0	25.0	19.0	29.0	7.0	17.0	0.3	15.0	28.0	20.0	273.3
1932	21.0	7.0	31.0	78.0	25.0	46.0	14.0	4.0	5.0	0.0	14.0	28.0	273.0
1933	41.0	33.0	8.0	40.0	3.0	28.0	32.0	10.0	14.0	15.0	5.0	9.0	238.0
1934	30.0	3.0	13.0	20.0	-1.0	46.0	34.0	15.0	31.0	1.0	40.0	7.0	-1.0
1935	65.0	41.0	42.0	23.0	21.0	5.0	46.0	14.0	7.0	16.0	34.0	59.0	373.0
1936	35.0	6.0	29.0	12.0	8.0	1.0	42.0	11.0	4.0	3.0	8.0	12.0	171.0
1937	22.0	28.0	16.0	44.0	5.0	20.0	34.0	46.0	9.0	32.0	8.0	43.0	307.0
1938	28.0	42.0	25.0	32.0	46.0	35.0	7.0	2.0	9.0	5.0	20.0	89.0	340.0
1939	56.0	29.0	100.0	10.0	33.0	18.0	8.0	16.0	3.0	7.0	19.0	31.0	330.0
1940	48.0	71.0	14.0	29.0	33.0	11.0	20.0	15.0	11.0	2.0	10.0	4.0	268.0
1941	3.0	29.0	49.0	12.0	21.0	38.0	38.0	41.0	43.0	14.0	84.0	97.0	469.0
1942	44.0	26.0	36.0	52.0	13.0	6.0	16.0	7.0	13.0	9.0	6.0	0.4	228.4
1943	10.0	2.0	3.0	3.0	76.0	3.0	18.0	2.0	29.0	15.0	36.0	54.0	251.0
1944	37.0	20.0	15.0	36.0	20.9	8.4	16.6	14.1	14.6	43.0	43.4	28.1	297.1
1945	47.7	27.1	84.4	45.3	36.8	16.3	5.0	48.9	36.8	33.6	7.9	22.4	412.2
1946	37.5	36.8	17.5	14.6	49.3	8.3	25.2	18.3	14.2	11.4	29.2	35.7	298.0
1947	42.6	19.7	24.4	6.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1948	40.8	13.1	14.9	24.9	21.5	6.8	15.3	3.2	17.4	1.9	1.8	13.6	175.2
1949	21.4	21.4	49.5	24.9	52.2	61.2	8.9	0.5	0.0	6.9	26.2	43.9	317.0
1950	102.6	9.5	25.0	35.4	46.3	9.8	44.5	26.2	4.9	29.1	20.8	4.8	358.9
1951	33.6	4.5	66.0	2.2	36.2	6.1	3.0	5.3	3.2	36.0	18.3	-1.0	-1.0

\*\*\*\*\*

MIN 3.0 2.0 3.0 2.2 3.0 1.0 3.0 0.5 0.0 0.0 1.1 0.4 171.0

MAX 102.6 71.0 100.0 78.0 76.0 92.0 46.0 56.9 72.9 43.0 84.0 97.0 477.1

PROM 35.8 23.4 35.0 28.2 28.4 22.2 19.9 17.1 15.2 15.2 23.0 35.4 301.1

DESV 19.0 14.3 24.6 18.7 18.6 19.8 12.1 14.5 16.1 11.6 16.7 25.1 72.7

CV 0.5 0.6 0.7 0.7 0.7 0.9 0.6 0.8 1.1 0.8 0.7 0.7 0.2

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 9 HOYA 143 NATALES EST MAGAL SUP 15540 (KM2)  
 EST 4 SECCION SEARLE  
 LAT 5230 LON 7125 ALT 50 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1960	49.0	39.0	28.0	66.0	23.0	-1.0	13.0	9.0	0.0	4.0	31.0	46.0	-1.0
1961	106.0	44.0	26.0	30.0	30.0	8.0	10.0	35.0	-1.0	25.0	24.0	-1.0	-1.0
1962	41.0	4.0	18.0	21.0	34.0	12.0	0.0	0.0	19.0	15.0	-1.0	-1.0	-1.0
1963	-1.0	-1.0	8.0	53.0	23.0	-1.0	45.0	-1.0	-1.0	-1.0	3.0	48.0	-1.0
1964	36.0	15.0	20.0	10.0	37.0	20.0	35.0	9.0	-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	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1966	12.0	20.0	58.0	25.0	-1.0	-1.0	-1.0	4.0	27.0	24.0	12.0	51.0	-1.0
1967	65.0	16.0	27.0	58.0	-1.0	17.0	22.0	-1.0	18.0	15.0	32.0	20.0	-1.0
1968	24.0	20.0	5.0	15.0	43.5	9.0	6.0	9.0	9.5	14.0	24.0	79.0	258.0

\*\*\*\*\*

PRECIPITACIONES (MM) \*\*\*\*\*

ZONA 9 HOYA 143 NATALES EST MAG SUP 15540 (KM2)  
 EST 6 BAHIA BECKET  
 LAT 5245 LON 7045 ALT 5 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1913	-1.0	-1.0	-1.0	-1.0	-1.0	28.0	75.2	19.8	20.0	8.2	11.7	-1.0	-1.0
1914	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	37.9	-1.0	32.5	25.7	19.0	74.1	-1.0
1915	-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
1916	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	12.2	8.9	13.1	54.7	35.9	-1.0
1917	38.7	54.7	28.4	42.7	13.1	31.0	17.5	33.1	79.1	13.5	30.2	18.9	400.9
1918	11.5	18.6	29.5	96.5	18.2	116.4	11.8	69.6	27.6	24.4	43.6	13.3	481.0
1919	27.8	51.3	11.8	23.6	130.4	19.9	57.1	9.6	2.7	4.4	1.8	4.0	344.4
1920	25.9	45.4	77.5	19.1	26.9	39.4	22.7	35.4	54.8	9.0	26.6	37.5	420.2
1921	21.5	45.1	6.2	20.2	29.7	17.8	31.0	35.4	8.0	4.1	25.5	85.1	329.6
1922	29.6	8.1	12.7	21.8	37.5	18.2	33.8	8.7	16.8	28.5	25.0	12.3	253.0
1923	37.6	21.2	47.0	28.6	17.1	14.2	-1.0	-1.0	-1.0	-1.0	54.5	62.6	-1.0
1924	48.0	28.7	20.0	16.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	5.2	-1.0	-1.0
1925	7.1	5.6	12.9	29.5	36.9	40.2	20.2	12.4	21.7	25.4	6.5	13.0	231.4
1926	55.9	24.5	52.5	37.5	41.4	8.9	13.9	21.7	12.8	88.0	27.8	29.8	414.7
1927	39.7	35.8	92.1	52.4	43.4	33.6	12.0	68.5	80.7	13.3	15.5	30.5	517.5
1928	20.4	13.3	24.2	26.6	4.4	47.0	17.2	12.3	15.3	7.3	58.4	44.3	290.7
1929	51.0	16.0	47.0	30.0	19.0	23.0	41.0	43.0	23.0	4.0	13.0	105.0	415.0
1930	49.0	15.0	26.0	27.0	15.0	100.0	47.0	18.0	23.0	17.0	23.0	60.0	420.0
1931	16.0	65.0	37.0	26.0	28.0	43.0	22.0	18.0	17.0	27.0	18.0	27.0	344.0
1932	33.0	8.0	82.0	83.0	53.0	48.0	21.0	15.0	29.0	18.0	24.0	32.0	446.0
1933	59.0	32.0	49.0	21.0	17.0	52.0	39.0	23.0	4.0	47.0	4.0	25.0	372.0
1934	35.0	11.0	13.0	12.0	87.0	45.0	34.0	36.0	20.0	3.0	9.0	34.0	339.0
MIN	7.1	5.6	6.2	12.0	4.4	8.9	11.8	8.7	2.7	3.0	1.8	4.0	231.4
MAX	59.0	65.0	92.1	96.5	130.4	116.4	75.2	69.6	80.7	88.0	58.4	105.0	517.5
PROM	33.7	27.7	37.2	34.1	36.4	40.3	30.8	27.3	26.2	20.0	23.7	39.2	376.2
DESV	15.1	18.1	25.8	22.5	31.0	28.0	16.9	18.4	22.2	20.0	16.9	26.9	78.5
CV	0.4	0.7	0.7	0.7	0.9	0.7	0.6	0.7	0.9	1.0	0.7	0.7	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 9

HOYA 143 NATALES EST MAG

SUP 15540 (KM2)

EST 8 PTA ARENAS

LAT 5310 LON 7054 ALT 20 (MTS)

145.

\*\*\*\*\*

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
1888	23.0	27.0	16.0	48.0	14.0	1.0	53.0	34.0	35.0	30.0	20.0	65.0	366.0
1889	10.0	53.0	76.0	19.0	80.0	37.0	12.0	33.0	15.0	15.0	18.0	30.0	398.0
1890	18.0	27.0	37.0	67.0	65.0	32.0	16.0	55.0	36.0	9.0	37.0	37.0	436.0
1891	32.0	52.0	28.0	17.0	24.0	2.0	112.0	11.0	23.0	7.0	17.0	10.0	335.0
1892	18.0	34.0	30.0	26.0	39.0	26.0	3.0	24.0	23.0	17.0	20.0	9.0	269.0
1893	9.0	0.0	36.0	32.0	44.0	20.0	32.0	19.0	1.0	4.0	1.0	24.0	222.0
1894	28.0	49.0	30.0	46.0	34.0	18.0	24.0	34.0	31.0	15.0	35.0	21.0	355.0
1895	14.0	19.0	35.0	36.0	56.0	48.0	22.0	24.0	23.0	26.0	35.0	47.0	385.0
1896	49.0	42.0	62.0	22.0	6.0	23.0	18.0	54.0	36.0	48.0	40.0	30.0	430.0
1897	6.0	5.0	13.0	34.0	25.0	17.0	40.0	16.0	16.0	61.0	36.0	38.0	307.0
1898	60.0	49.0	18.0	16.0	23.0	7.0	37.0	4.0	11.0	6.0	14.0	59.0	304.0
1899	62.0	22.0	43.0	86.0	79.0	65.0	30.0	81.0	25.0	16.0	20.0	30.0	559.0
1900	47.0	67.0	17.0	44.0	26.0	16.0	25.0	66.0	34.0	31.0	51.0	79.0	503.0
1901	74.0	25.0	22.0	20.0	13.0	27.0	28.0	27.0	46.0	18.0	48.0	49.0	397.0
1902	75.0	11.0	31.0	18.0	27.0	8.0	23.0	14.0	25.0	28.0	46.0	7.0	313.0
1903	44.0	36.0	107.0	19.0	48.0	28.0	28.0	8.0	35.0	32.0	58.0	27.0	470.0
1904	72.0	21.0	47.0	40.0	25.0	58.0	27.0	29.0	59.0	23.0	46.0	36.0	483.0
1905	29.0	18.0	21.0	32.0	15.0	81.0	31.0	7.0	11.0	15.0	27.0	7.0	294.0
1906	37.0	28.0	45.0	33.0	25.0	24.0	8.0	64.0	15.0	38.0	36.0	13.0	366.0
1907	40.0	15.0	26.0	56.0	95.0	35.0	5.0	43.0	33.0	61.0	20.0	66.0	495.0
1908	18.0	14.0	70.0	50.0	34.0	71.0	25.0	29.0	40.0	24.0	31.0	37.0	443.0
1909	4.0	26.0	53.0	88.0	66.0	71.0	25.0	19.0	37.0	25.0	10.0	17.0	441.0
1910	43.0	5.0	50.0	22.0	74.0	30.0	13.0	36.0	43.0	24.0	19.0	7.0	366.0
1911	48.0	17.0	56.1	93.6	56.4	39.5	56.7	31.7	14.7	6.6	36.2	47.8	504.3
1912	56.3	40.4	38.2	74.9	43.8	19.4	80.8	7.6	41.9	29.8	56.0	29.8	518.9
1913	8.7	66.1	46.8	53.7	68.9	32.7	110.8	41.6	33.0	20.3	20.8	38.4	541.8
1914	39.0	37.5	32.2	64.3	56.0	90.2	98.2	25.7	33.3	24.2	20.5	72.8	593.9
1915	8.8	18.3	39.3	39.6	115.5	34.0	50.7	23.6	12.4	18.8	49.8	49.1	459.9
1916	28.7	29.5	115.0	68.9	75.8	31.2	42.2	22.4	26.0	38.0	40.8	27.0	545.5
1917	30.5	50.4	43.4	29.8	22.5	45.7	35.3	92.9	100.2	17.6	27.3	41.1	536.7
1918	13.2	26.1	36.5	130.3	25.0	118.5	33.5	106.2	37.3	23.9	49.0	21.7	621.2
1919	18.1	32.7	19.4	31.5	187.6	30.2	100.5	21.0	18.3	3.3	6.4	16.2	485.2
1920	29.7	15.2	92.5	29.9	50.2	71.9	44.3	65.6	77.2	3.4	29.1	19.5	528.5
1921	25.6	39.1	8.1	25.8	33.4	28.7	96.5	15.1	5.4	1.3	16.9	70.6	306.5
1922	24.2	12.4	4.6	25.6	63.1	18.9	62.4	18.0	34.5	24.1	24.8	9.4	322.0
1923	36.6	19.9	24.1	37.6	19.1	7.9	7.9	18.6	5.6	0.0	43.5	0.0	220.8
1924	22.2	27.5	23.8	55.6	34.8	23.0	25.1	15.4	3.0	31.3	22.6	35.8	320.1
1925	17.3	7.5	20.3	33.7	28.5	55.5	29.0	43.8	32.4	44.9	8.3	21.1	342.5
1926	77.7	34.3	60.2	39.2	23.3	33.2	3.4	35.1	17.1	72.2	20.3	20.4	436.4
1927	33.5	37.9	37.3	8.9	57.0	46.3	12.8	66.3	86.1	6.0	14.8	19.2	426.1
1928	28.6	3.3	17.2	24.0	2.0	21.9	34.2	11.3	11.1	5.8	33.0	15.8	208.2
1929	40.0	10.0	37.0	35.0	13.0	8.0	18.0	7.0	10.0	5.0	17.0	76.0	276.0
1930	4.0	15.0	3.0	19.0	13.0	48.0	21.0	23.0	16.0	9.0	18.0	30.0	219.0
1931	14.0	22.0	30.0	17.0	11.0	42.0	19.0	12.0	14.0	27.0	13.0	40.0	261.0
1932	28.0	7.0	79.0	91.0	36.0	71.0	72.0	27.0	50.0	6.0	33.0	58.0	558.0
1933	41.0	81.0	10.0	70.0	27.0	92.0	27.0	38.0	14.0	73.0	15.0	14.0	502.0
1934	59.0	8.0	10.0	33.0	79.0	56.0	46.0	35.0	19.0	16.0	18.0	28.0	407.0
1935	73.0	53.0	44.0	37.0	82.0	28.0	39.0	35.0	10.0	43.0	29.0	67.0	540.0
1936	17.0	19.0	36.0	41.0	16.0	13.0	35.0	10.0	8.0	20.0	7.0	11.0	233.0
1937	5.0	7.0	11.0	27.0	6.0	17.0	25.0	50.0	18.0	9.0	5.0	9.0	189.0

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1938	4.0	7.0	15.0	33.0	37.0	51.0	15.0	13.0	19.0	47.0	40.0	100.0	381.0
1939	124.0	45.0	83.0	21.0	46.0	42.0	21.0	50.0	36.0	29.0	9.0	21.0	527.0
1940	26.0	43.0	20.0	36.0	54.0	37.0	73.0	32.0	72.0	18.0	54.0	35.0	500.0
1941	40.0	38.0	123.0	26.0	9.0	31.0	45.0	52.0	49.0	28.0	89.0	53.0	583.0
1942	33.0	37.0	58.0	47.0	45.0	60.0	21.0	51.0	71.0	45.0	65.0	9.0	542.0
1943	57.0	30.0	38.0	0.3	146.0	10.0	17.0	25.0	81.0	32.0	27.0	31.0	494.3
1944	2.0	26.0	3.0	32.6	40.5	21.0	66.2	28.0	27.4	39.8	38.2	27.7	362.4
1945	32.0	50.5	138.4	142.1	30.7	44.0	11.5	77.4	29.2	18.5	29.2	1.2	604.7
1946	4.0	52.0	30.0	22.0	64.5	34.0	43.0	28.3	46.0	54.0	61.0	1.7	440.5
1947	35.2	24.3	39.6	53.2	96.0	90.2	85.0	54.0	28.3	39.0	11.0	6.2	562.0
1948	21.5	14.0	5.5	110.1	49.7	22.0	18.0	8.3	110.7	6.0	38.0	41.0	444.8
1949	23.0	10.0	124.0	58.0	99.5	26.4	30.0	17.1	36.0	10.1	15.3	54.0	503.4
1950	45.0	35.0	137.3	107.0	92.7	136.0	56.3	53.3	25.0	88.0	34.2	18.8	828.6
1951	45.5	6.0	62.6	0.0	128.0	7.4	4.0	85.0	13.7	22.9	55.9	12.0	443.0
1952	13.0	0.0	27.7	43.5	57.8	47.9	36.6	56.9	19.5	14.7	32.7	9.8	360.1
1953	19.1	47.0	47.7	41.0	45.4	18.9	12.5	31.3	51.6	19.4	15.2	21.3	370.4
1954	12.3	7.2	26.3	8.0	20.2	28.6	35.9	87.4	9.2	13.3	64.1	63.0	375.5
1955	53.5	37.4	51.7	79.1	28.1	22.4	8.4	31.0	34.4	52.9	80.6	140.8	620.3
1956	117.5	31.5	70.4	92.7	37.4	17.3	128.2	52.0	34.2	5.0	2.2	16.2	604.6
1957	44.1	55.4	56.5	6.1	54.8	26.4	17.6	30.5	17.4	19.9	71.0	66.6	466.3
1958	16.0	77.0	49.4	49.0	6.0	6.0	94.0	91.0	22.0	38.0	29.2	25.9	503.5
1959	10.2	11.0	26.0	25.7	30.7	66.4	17.7	29.6	33.0	30.6	18.5	13.9	313.9
1960	37.1	25.4	36.4	81.4	34.7	14.5	16.5	29.4	10.9	13.1	22.4	43.4	365.2
1961	70.4	28.3	17.0	46.1	48.0	3.1	12.4	60.9	12.1	11.3	26.5	29.2	365.3
1962	34.0	4.6	19.8	23.8	36.1	31.6	15.3	37.3	13.2	22.3	4.4	15.6	258.0
1963	14.5	21.5	21.6	94.7	39.3	61.9	47.7	71.3	15.9	11.4	13.8	36.6	450.2
MIN	2.0	0.0	3.0	0.0	2.0	1.0	3.0	4.0	1.0	0.0	1.0	0.0	189.0
MAX	124.0	81.0	138.4	142.1	187.6	136.0	128.2	106.2	110.7	88.0	89.0	140.8	828.6
PROM	33.9	28.2	42.3	44.6	46.8	37.2	36.2	37.0	30.5	24.8	30.4	33.3	425.3
DESV	24.3	18.3	31.1	29.5	33.6	26.6	27.8	23.5	22.0	18.1	18.6	24.8	121.0
CV	0.7	0.6	0.7	0.7	0.7	0.7	0.8	0.6	0.7	0.7	0.6	0.7	0.3

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 9

HOYA 143 NATALES EST MAG  
EST 9 ESTANCIA BAGLINA  
LAT 5339 LON 7056 ALT 1 (MTS)

SUP 15540 (KM2)

147

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1964	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	25.6	-1.0	-1.0	-1.0
1965	52.5	76.0	-1.0	-1.0	53.5	130.5	45.5	93.1	40.3	68.7	63.1	26.8	-1.0
1966	27.5	43.0	43.3	19.5	72.5	46.0	41.0	23.0	79.0	45.5	-1.0	-1.0	-1.0
1967	30.5	24.5	-1.0	-1.0	-1.0	4.0	59.5	32.0	86.7	33.5	39.5	54.5	-1.0
1968	27.5	36.5	47.4	59.7	87.7	27.7	66.8	36.0	47.0	-1.0	-1.0	-1.0	-1.0

\*\*\*\*\*

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 9

HOYA 143 NATALES EST MAG

SUP 15540 (KM2)

EST 10 CABO SAN ISIDRO

LAT 5347 LON 7058 ALT 20 (MTS)

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1913	-1.0	71.9	137.1	87.2	67.3	31.4	71.8	34.3	66.8	56.1	59.8	71.0	-1.0
1914	70.6	90.8	80.0	124.2	96.5	176.4	164.0	40.3	74.2	68.6	95.0	84.1	1164.7
1915	44.1	45.9	70.6	108.2	149.0	82.7	117.0	112.1	57.0	34.6	158.4	101.1	1080.8
1916	65.0	77.2	157.0	137.5	132.6	72.8	18.2	31.6	50.3	137.4	82.8	52.6	1015.0
1917	67.4	76.8	58.0	46.9	52.2	50.2	83.2	114.2	95.1	36.1	10.8	107.8	798.7
1918	51.4	43.2	64.4	113.0	77.7	77.7	3.6	38.7	46.9	109.1	93.4	12.3	638.0
1919	59.7	30.6	30.9	51.4	160.0	41.9	5.2	67.4	65.6	14.3	30.3	25.7	634.1
1920	57.9	97.7	90.7	53.5	122.1	98.1	30.7	25.4	36.4	25.8	42.8	39.2	725.3
1921	26.2	80.0	17.8	20.0	26.9	48.1	69.9	35.0	23.2	31.4	43.8	36.0	458.3
1922	102.4	49.1	83.8	52.8	147.7	38.8	94.4	69.6	92.4	76.1	58.1	25.0	890.2
1923	76.8	89.2	50.8	97.2	126.9	88.9	68.2	70.1	154.2	14.0	81.4	67.7	985.4
1924	32.6	107.7	111.5	152.6	122.6	63.6	122.5	47.8	45.2	57.7	97.4	97.2	1058.4
1925	78.3	30.7	92.1	118.4	79.7	96.3	101.6	116.0	103.5	69.2	45.7	62.2	993.7
1926	97.7	52.0	87.9	58.3	23.0	57.7	21.3	59.1	52.6	87.1	50.4	54.5	701.6
1927	98.5	98.5	94.3	108.1	112.1	79.8	23.7	116.3	96.3	55.5	57.0	53.7	993.8
1928	83.5	61.0	95.3	57.4	26.5	64.3	15.1	26.0	38.8	31.1	45.8	75.3	620.1
1929	65.0	99.0	97.0	78.0	60.0	50.0	72.0	63.0	48.0	28.0	50.0	115.0	825.0
1930	102.0	47.0	114.0	78.0	70.0	132.0	84.0	68.0	83.0	44.0	44.0	70.0	936.0
1931	63.0	110.0	150.0	63.0	48.0	47.0	65.0	55.0	140.0	159.0	66.0	54.0	1020.0
1932	93.0	68.0	168.0	99.0	100.0	92.0	89.0	35.0	61.0	36.0	60.0	87.0	988.0
1933	67.0	101.0	49.0	85.0	76.0	71.0	54.0	60.0	27.0	85.0	57.0	51.0	783.0
1934	141.0	54.0	65.0	58.0	109.0	68.0	116.0	112.0	56.0	24.0	108.0	92.0	1003.0
1935	68.0	87.0	128.0	79.0	95.0	91.0	49.0	88.0	50.0	37.0	98.0	117.0	987.0
1936	58.0	49.0	85.0	86.0	74.0	28.0	67.0	29.0	33.0	63.0	43.0	27.0	642.0
1937	64.0	51.0	64.0	61.0	54.0	41.0	54.0	38.0	58.0	43.0	32.0	53.0	613.0
1938	34.0	96.0	60.0	91.0	99.0	88.0	89.0	45.0	48.0	142.0	41.0	107.0	940.0
1939	171.0	64.0	113.0	74.0	74.0	63.0	56.0	90.0	76.0	60.0	33.0	21.0	895.0
1940	106.0	68.0	50.0	72.0	58.0	77.0	70.0	42.0	77.0	42.0	104.0	91.0	857.0
1941	74.0	65.0	96.0	55.0	44.0	100.0	71.0	136.0	83.0	46.0	94.0	78.0	942.0
1942	75.0	55.0	98.0	101.0	63.0	90.0	40.0	91.0	99.0	61.0	56.0	47.0	876.0
1943	113.0	87.0	60.0	42.0	113.0	14.0	36.0	47.0	35.0	100.0	47.0	62.0	756.0
1944	46.0	43.0	29.8	124.4	79.8	39.1	64.8	31.8	21.8	160.4	90.0	73.8	804.5
1945	57.6	67.2	121.0	104.6	48.2	65.9	42.9	84.0	36.6	92.1	67.6	101.3	889.0
1946	68.5	162.0	88.5	91.3	136.1	114.3	110.8	60.2	60.6	63.0	70.8	104.0	1130.1
1947	74.3	63.8	118.2	81.9	121.7	120.7	65.4	43.6	46.7	47.0	33.5	33.8	850.6
1948	55.4	101.8	43.1	137.4	37.3	56.9	12.7	11.0	76.7	30.2	22.5	65.8	650.8
1949	55.9	29.8	106.5	69.6	155.5	55.2	52.5	31.1	23.4	25.9	143.4	247.3	996.1
1950	338.0	168.5	118.5	134.5	34.3	118.8	112.4	69.6	36.1	108.9	152.2	59.5	1451.3
1951	143.1	34.6	111.3	41.6	130.4	28.8	21.0	44.3	13.8	63.6	67.4	14.7	714.6
MIN	26.2	29.8	17.8	20.0	23.0	14.0	3.5	11.0	13.8	14.0	10.8	12.3	458.3
MAX	338.0	168.5	168.0	152.6	160.0	176.4	164.0	136.0	154.2	160.4	158.4	247.3	1451.3
PROM	82.8	73.7	88.6	84.5	85.9	71.2	65.5	61.0	61.3	63.2	67.7	70.2	876.5
DESV	52.3	31.7	35.4	31.2	40.6	33.3	35.4	31.1	31.0	38.5	34.5	41.2	190.9
CV	0.6	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.6	0.2

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

ZONA 9

HOYA 143 NATALES EST.MAG.  
EST. 11 AEROPUERTO CHABUNCO  
LAT. 5259 LON. 7058 ALT 33 (MTS.)

SUP 15540 (KM2)

149.

AÑO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	TOT.
1963	-1.0	-1.0	-1.0	-1.0	-1.0	62.0	48.0	71.0	16.0	11.0	14.0	37.0	-1.0
1964	40.0	20.0	28.0	20.0	47.0	17.0	39.0	7.0	24.0	6.0	16.0	44.0	308.0
1965	42.0	46.0	35.0	38.0	14.0	18.0	14.0	37.0	20.0	16.0	14.0	3.0	357.0
1966	4.8	8.5	42.0	11.0	21.0	19.0	8.3	14.0	25.0	18.0	12.0	30.0	213.6
1967	37.0	17.0	41.0	47.0	60.0	8.9	-1.0	11.0	30.0	10.0	24.0	31.0	-1.0
1968	9.3	34.2	26.7	40.0	44.6	16.2	16.7	18.1	20.0	6.7	29.1	50.5	312.1
MIN	4.8	8.5	26.7	11.0	14.0	8.9	8.3	7.0	16.0	6.0	12.0	3.0	213.6
MAX	42.0	46.0	42.0	47.0	60.0	78.0	48.0	71.0	30.0	18.0	29.1	50.5	357.0
PROM	26.6	25.1	34.5	31.2	37.3	33.5	25.2	26.3	22.5	11.3	18.2	32.6	297.7
DESV	18.0	14.9	7.1	15.1	19.2	28.9	17.3	24.2	4.9	4.9	6.8	16.5	60.3
CV	0.7	0.6	0.2	0.5	0.5	0.9	0.7	0.9	0.2	0.4	0.4	0.5	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS.

PRECIPITACIONES (MM)

```

*****
ZONA 9 HOYA 143 NATALES EST MAG SUP 15540 (KM2)
EST 12 SAN MIGUEL
LAT 5342 LON 7155 ALT 5 (MTS)
*****
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
*****
1916 57.5 66.5 85.6 179.1 278.2 166.3 104.3 136.4 162.7 162.7 157.5 191.3 1657.4
1917 164.1 183.5 194.0 105.2 89.2 89.2 189.9 57.3 151.5 151.5 75.0 176.4 1641.8
1918 126.7 110.0 98.2 200.0 97.3 128.0 114.2 46.9 50.3 91.7 139.1 79.3 1317.5
1919 122.7 66.7 50.0 100.0 40.0 44.3 70.0 158.4 111.4 94.9 -1.0 -1.0 -1.0
*****

```

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 9 HOYA 143 NATALES EST MAG SUP 15540 (KM2)  
 EST 13 FARO PTA DUNGENES  
 LAT 5224 LON 6836 ALT 5 (MTS)  
 \*\*\*\*\*  
 ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT  
 \*\*\*\*\*  
 1967 14.0 17.0 31.0 44.0 70.0 22.0 73.0 8.0 -1.0 21.0 86.0 152.0 -1.0  
 1968 75.0 46.8 82.2 39.0 25.0 3.0 13.3 10.7 6.6 6.1 13.3 35.9 356.9  
 \*\*\*\*\*