

PLUVIOMETRIA DE CHILE

ANEXO 1

HOYAS HIDROGRÁFICAS N° 301 - 304
Ríos Loa (301), Copiapó (302) y Huasco (303),
Elqui (304)

OCTUBRE 1971

EDUARDO RAMIREZ G.
Ing° Civil U.C.

DEPARTAMENTO DE RECURSOS HIDRAULICOS
CORFO

ESTADÍSTICAS PLUVIOMÉTRICAS

Anexo 1.

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

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

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

PRECIPITACIONES (MM)

 ZONA 1 HOYA 301 LDA SUP 31925 (KM2)
 EST 1 HUATACONDO
 LAT 2056 LON 6905 ALT 2450 (MTS)

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

 1965 12.4 0.0 15.2 0.0 0.0 0.0 0.0 0.0 19.7 0.0 0.0 0.0 47.3
 1967 0.0 14.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 14.0
 1968 0.0 3.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.5

PRECIPITACIONES (MM)

 ZCNA 1 HOYA 301 LOA SUP 31925 (KM2)
 EST 3 QUILLAHUA
 LAT 2138 LON 6933 ALT 802 (MTS)

 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 -1.0 -1.0 -1.0 -1.0
 1966 -1.0 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
 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 0.0

PRECIPITACIONES (MM)

ZONA	1	HOYA	301	LOA		SUP	31925	(KM2)						
		EST	4	CALAMA										
		LAT	2228	LON	6858	ALT	2266	(MTS)						
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OGT	NOV	DIC	TOT	
1965	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	0.0	0.0	0.0	-1.0	
1966	0.0	0.0	0.0	-1.0	-1.0	-1.0	0.0	0.1	0.0	0.0	0.0	0.0	-1.0	
1967	0.0	0.0	0.0	0.0	0.3	4.8	0.0	0.0	0.0	0.0	0.0	-1.0	-1.0	
1968	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	

PRECIPITACIONES (MM)

 ZONA 1 HOYA 301 LOA SUP 31925 (KM2)
 EST 5 P DE VALD SUB COM
 LAT 2235 LON 6940 ALT 1455 (MTS)

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

 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
 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

264.

PRECIPITACIONES (MM)

 ZONA 1 HOYA 301 LOA SUP 31925 (KM2)
 EST 7 CONCHI
 LAT 2203 LON 6838 ALT 3010 (MTS)

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

 1967 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 0.0 0.0 1.2 -1.0 -1.0
 1968 0.0 14.7 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0

PRECIPITACIONES (MM)

 ZONA 1 HOYA 301 LOA SUP 31925 (KM2)
 EST 8 AYQUINA
 LAT 2217 LON 6919 ALT 3031 (MTS)

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

 1968 0.5 0.3 0.0 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.9 -1.0 -1.0

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1939	0.0	0.0	0.0	0.0	1.2	0.0	7.0	0.0	0.0	19.3	0.0	0.0	27.5
1940	0.0	0.0	0.0	0.0	0.0	51.5	14.0	8.0	0.0	0.0	0.0	0.0	73.5
1941	0.0	0.0	0.0	4.5	3.0	1.1	15.3	12.5	0.2	0.0	0.0	0.0	36.6
1942	0.0	0.0	0.0	0.1	3.6	46.7	1.4	3.7	1.0	0.6	0.0	0.0	57.1
1943	0.0	0.0	0.0	0.0	0.0	33.0	1.0	0.0	0.0	0.0	0.0	0.0	34.0
1944	0.0	1.0	0.0	2.5	3.1	15.8	0.6	0.0	0.0	0.5	0.0	0.0	23.5
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	32.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	32.8
1947	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	1.5
1948	0.0	0.0	0.0	0.0	5.9	0.0	0.6	0.0	0.0	0.0	0.0	0.0	6.5
1949	0.0	0.0	0.0	0.0	0.0	8.1	0.0	34.5	0.0	0.0	0.0	0.0	42.6
1950	0.0	0.0	0.0	0.0	15.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	16.5
1951	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.4
1952	0.0	0.0	0.0	0.0	0.0	17.5	0.0	7.9	2.4	0.0	0.0	0.0	27.8
1953	0.0	0.0	0.0	0.0	0.0	7.7	0.0	13.0	0.0	0.5	0.0	0.0	21.2
1954	0.0	0.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0	17.0
1955	0.0	0.0	0.0	0.0	1.1	0.0	6.0	0.0	0.0	0.0	0.0	0.0	7.1
1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	4.0
1957	0.0	0.0	0.0	0.0	2.1	0.5	2.1	0.0	0.0	0.0	0.0	0.0	4.7
1958	0.0	0.0	0.0	0.0	0.0	0.0	1.9	2.9	2.5	0.0	0.0	0.0	6.7
1959	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	5.6
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	4.0	8.0	0.0	0.0	0.0	0.0	12.0
1962	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.0	0.0	16.2	0.0	0.0	29.4
1963	0.0	0.0	0.0	0.0	0.5	0.0	12.8	0.0	0.3	0.0	0.0	0.0	13.6
1964	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
1965	0.0	0.0	0.0	0.0	0.0	0.0	20.4	0.0	0.0	0.0	0.0	0.0	20.4
1966	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
1967	0.0	0.0	0.0	0.0	0.0	7.9	0.0	6.0	0.2	0.0	0.0	0.0	14.1
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	1.0	9.5	20.3	32.4	75.0	55.0	62.1	12.0	19.3	9.5	0.0	94.5
PROM	0.0	0.0	0.1	0.7	3.9	7.5	6.2	4.3	0.3	1.0	0.1	0.0	24.5
DESV	0.0	0.1	1.1	3.1	7.5	15.3	10.7	10.8	1.5	3.6	1.1	0.0	22.5
CV	-1.0	8.9	8.8	4.3	1.9	2.0	1.7	2.5	4.7	3.7	8.1	-1.0	0.9

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 3 HOYA 302 COPIAPO SUP 19290 (KM2) 269.
 EST 3 JORQUERA EN LA GUARD
 LAT 2741 LON 8934 ALT 2500 (MTS)

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

 1966 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 0.0 0.0 0.0 -1.0
 1967 0.0 0.0 0.0 0.0 0.0 4.4 0.0 0.0 0.0 0.0 0.0 0.0 4.4
 1968 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

PRECIPITACIONES (MM)

ZONA 3

HCYA 302 COPIAPO
EST 4 LOS LCROS RETEN
LAT 2751 LON 7005 ALT 948 (MTS)

SUP 19290 (KM2)

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	10.0	0.0	0.0	0.0	0.0	-1.0
1933	0.0	0.0	0.0	0.0	0.0	10.0	0.0	1.0	0.0	0.0	0.0	0.0	11.0
1934	0.0	0.0	0.0	0.0	0.0	86.4	0.0	5.4	2.4	0.0	0.0	0.0	94.2
1935	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	2.4	0.0	12.4	0.0	19.1
1936	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.0	0.0	0.0	0.0	0.0	38.0
1937	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	0.0	0.0	28.0
1938	0.0	0.0	0.0	0.0	0.0	49.0	0.0	0.0	0.0	0.0	0.0	0.0	49.0
1939	0.0	0.0	0.0	0.0	0.0	7.1	0.0	9.8	0.0	0.0	35.0	0.0	51.9
1940	0.0	0.0	0.0	0.0	0.0	0.0	68.3	10.9	27.9	0.0	0.0	0.0	107.1
1941	0.0	0.0	0.0	0.0	14.6	30.9	4.2	40.0	17.7	0.0	0.0	0.0	107.4
1942	0.0	0.0	0.0	0.0	0.0	0.0	60.9	3.4	2.4	4.0	3.1	0.0	73.8
1943	0.0	0.0	0.0	0.0	0.0	0.0	41.0	7.2	0.0	0.0	0.0	0.0	48.2
1944	0.0	0.0	0.0	0.0	36.4	0.0	46.6	0.0	0.0	0.0	1.6	0.0	87.6
1945	0.0	3.0	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	40.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0
1947	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8
1948	0.0	0.0	0.0	0.0	0.0	10.5	0.0	9.5	6.0	0.0	0.0	0.0	26.0
1949	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	46.0	0.0	0.0	0.0	50.9
1950	0.0	0.0	0.0	0.0	0.0	21.0	6.0	0.0	0.0	0.0	0.0	0.0	27.0
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	43.0	1.0	15.0	23.0	0.0	0.0	82.0
1953	0.0	0.0	0.0	0.0	0.0	0.0	50.5	0.0	20.0	0.0	0.0	0.0	70.5
1954	0.0	5.0	0.0	0.0	1.0	0.0	0.0	19.0	0.0	0.0	0.0	0.0	25.0
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	11.0	0.0	0.0	11.0
1957	0.0	0.0	0.0	0.0	0.0	7.0	1.0	1.0	0.0	0.0	0.0	0.0	9.0
1958	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	2.5	4.0	0.0	0.0	13.5
1959	0.0	0.0	0.0	0.0	23.0	0.0	6.0	0.0	9.0	0.0	0.0	0.0	38.0
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	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	6.0	16.0	0.0	0.0	0.0	21.0
1962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	29.0	0.0	49.0
1963	0.0	0.0	0.0	0.0	0.0	3.0	0.0	-1.0	0.0	0.0	0.0	0.0	1.0
1964	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	2.0	0.0	0.0	0.0	10.0
1965	0.0	0.0	0.0	0.0	0.0	0.0	2.0	22.5	0.0	0.0	0.0	0.0	24.5
1966	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	3.3	0.0	0.0	0.0	5.9
1967	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	13.0	14.0	0.5	0.0	32.1
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	5.0	0.0	0.0	36.4	86.4	68.3	40.0	46.0	28.0	35.0	0.0	107.4
PROM	0.0	0.2	0.0	0.0	2.1	7.4	9.7	5.9	5.3	2.3	2.2	0.0	35.8
DESV	0.0	1.0	0.0	0.0	7.5	17.9	19.6	10.3	9.8	6.4	7.6	0.0	31.4
CV	-1.0	4.3	-1.0	3.5	2.4	2.0	1.7	1.9	2.8	3.4	-1.0	-1.0	0.9

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 302 COPIAPO

SUP 19290 (KM2)

EST 5 EMBALSE LAUTARO

LAT 2759 LON 7000 ALT 1199 (MTS)

271.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1930	-1.0	-1.0	-1.0	-1.0	0.7	0.0	42.0	99.2	5.7	0.0	0.0	0.0	-1.0
1931	0.0	0.0	0.0	33.0	0.0	0.0	0.9	0.0	0.0	0.8	7.7	0.0	42.4
1932	0.0	0.0	0.0	3.4	0.0	30.1	0.4	2.6	0.0	0.0	0.0	0.0	36.5
1933	0.0	0.9	0.0	0.0	7.8	0.0	3.1	0.0	1.8	0.0	0.0	0.0	13.6
1934	0.0	0.0	8.8	0.0	24.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.7
1935	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0	13.0
1936	0.0	0.0	0.0	0.0	0.0	0.0	39.0	0.0	0.0	0.0	0.0	0.0	39.0
1937	6.5	0.0	0.0	0.0	2.5	0.0	2.0	0.0	31.0	0.0	0.0	0.0	42.0
1938	0.0	0.0	60.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1942	0.0	0.0	0.0	0.0	9.5	30.9	2.7	1.9	5.2	0.0	0.0	0.0	50.2
1943	0.0	0.0	0.0	0.0	0.0	49.3	11.7	0.0	5.0	0.8	0.0	0.0	66.8
1944	3.0	3.0	0.0	39.0	1.1	22.7	0.0	0.0	0.0	0.5	0.0	0.0	69.3
1945	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.4
1946	0.0	0.0	0.0	0.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0
1947	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	1.7	0.0	0.0	0.0	14.7
1948	0.0	0.0	0.0	0.0	15.9	0.0	13.3	0.6	0.0	0.0	0.0	0.0	29.8
1949	0.0	0.0	0.0	0.0	0.0	2.4	17.0	45.8	0.0	0.0	0.0	0.0	65.2
1950	0.0	0.0	0.0	0.0	17.3	6.2	0.0	0.0	0.0	0.0	0.0	0.0	23.5
1951	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	1.1
1952	0.0	0.1	0.0	0.0	0.0	40.0	1.0	8.0	15.5	0.0	0.0	0.0	64.6
1953	0.0	0.0	0.0	0.0	0.0	50.5	0.0	20.0	0.0	0.0	0.0	0.0	70.5
1954	0.0	5.0	0.0	1.0	0.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	25.0
1955	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5
1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4
1957	0.0	0.0	0.0	0.0	15.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	17.0
1958	0.0	0.0	0.0	0.0	0.0	0.0	7.0	2.5	5.0	0.0	0.0	0.0	14.5
1959	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0
1961	0.0	0.0	0.0	0.0	0.0	0.0	6.0	16.0	0.0	0.0	-1.0	-1.0	-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
1963	0.0	0.0	0.0	0.0	2.0	9.0	22.0	5.0	24.0	0.0	0.0	0.0	56.0
1966	-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
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	0.4
MAX	6.5	5.0	60.0	39.0	28.0	50.5	42.0	99.2	31.0	0.8	7.7	0.0	70.5
PROM	0.3	0.3	2.5	3.3	4.6	8.4	6.5	7.9	3.3	0.1	0.3	0.0	32.1
DESV	1.3	1.1	11.4	9.7	8.1	16.1	11.4	20.0	7.5	0.2	1.5	0.0	22.9
CV	3.9	3.4	4.6	3.0	1.8	1.9	1.8	2.5	2.3	3.1	5.0	-1.0	0.7

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZCNA 3 HOYA 302 COPIAPO SUP 19290 (KM2)
 EST 6 RIO MANFLAS
 LAT 2804 LON 7001 ALT 1550 (MTS)

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

 1966 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 0.0 2.8 0.0 0.0 0.0 0.0 -1.0
 1967 0.0 0.0 0.0 0.0 0.0 0.0 55.1 0.0 0.0 0.0 0.0 0.0 55.1
 1968 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

PRECIPITACIONES (MM)

ZONA 3

HOYA 302 COPIAPO
EST 7 PASTO GRANDE
LAT 2707 LON 6932

SUP 19290 (KM2)

273.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1966	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	-1.0
1967	0.0	0.0	0.0	0.0	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	16.7
1968	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	-1.0

PRECIPITACIONES (MM)

 ZONA 3 HOYA 302 COPIAPO SUP 19290 (KM2)
 EST 8 COPIAPO SERV IGRIC
 LAT 2721 LON 7020

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	0.0	0.0	0.0	0.0	0.5	0.0	13.0	0.0	0.3	0.0	0.0	0.0	13.8
1964	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
1965	0.0	0.0	0.0	0.0	0.6	1.0	21.1	0.0	0.0	0.0	0.0	0.0	22.7
1966	0.0	0.0	0.0	0.2	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
1967	0.0	0.0	0.0	0.0	0.0	11.0	0.0	6.2	0.8	0.0	0.0	0.0	18.0
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	0.2	4.8	11.0	21.1	6.2	0.8	0.0	0.0	0.0	22.7
PROM	0.0	0.0	0.0	0.0	1.0	2.5	5.7	1.0	0.2	0.0	0.0	0.0	10.4
DESV	0.0	0.0	0.0	0.1	1.9	4.3	9.2	2.5	0.3	0.0	0.0	0.0	9.1
CV	-1.0	-1.0	-1.0	2.4	1.9	1.7	1.6	2.4	1.8	-1.0	-1.0	-1.0	0.9

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3 HOYA 303 HUASCO SUP 9456 (KM2)

EST 1 PUERTO HUASCO
LAT 2827 LON 7115 ALT 4 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1945	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	4.5
1946	0.0	0.0	0.0	0.0	0.0	27.1	26.0	0.0	0.0	0.0	0.0	0.0	53.1
1947	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	3.7
1948	0.0	0.0	0.0	0.0	0.0	3.5	0.0	10.0	0.0	0.0	0.0	0.0	13.5
1949	0.0	0.0	0.0	0.0	0.0	0.0	14.0	37.5	30.0	0.0	0.0	0.0	81.5
1950	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0	1.5	0.0	0.0	31.5
1951	0.0	0.0	0.0	0.0	0.0	3.5	1.5	0.0	0.0	0.0	0.0	0.0	5.0
1952	0.0	0.0	0.0	0.0	0.0	0.0	72.9	20.0	24.1	26.5	0.0	0.0	143.5
1953	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0	0.0	0.0	0.0	23.0
1954	0.0	0.0	0.0	0.0	0.0	15.3	24.5	28.0	0.0	0.0	0.0	0.0	67.8
1955	0.0	0.0	0.0	0.0	0.0	3.0	0.0	7.0	0.0	0.0	0.0	0.0	10.0
1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5	0.0	0.0	0.0	14.5
1957	0.0	0.0	0.0	0.0	0.0	67.0	20.0	16.0	0.0	0.0	0.0	0.0	103.0
1958	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1959	-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	-1.0	-1.0	-1.0	-1.0	-1.0	-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	-1.0	-1.0
1962	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	1.0	0.0	0.0	0.0	1.0
1963	0.0	0.0	0.0	0.0	0.0	1.0	4.0	25.5	4.5	30.0	18.0	0.0	65.0
1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.3	2.0	0.0	6.3
1965	0.0	0.0	0.0	0.0	1.0	0.0	0.0	90.0	20.0	2.0	0.0	0.0	113.0
1966	0.0	0.0	0.0	0.0	0.0	0.0	31.0	18.5	0.0	0.0	0.0	0.0	49.5
1967	0.0	0.0	0.0	0.0	0.0	6.4	0.0	13.0	2.2	1.1	0.0	0.0	22.7
1968	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0
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	1.0	67.0	72.9	90.0	30.0	30.0	18.0	0.0	3.7
PROM	0.0	0.0	0.0	0.0	0.0	7.5	10.6	12.8	6.5	3.7	1.0	0.0	143.5
DESV	0.0	0.0	0.0	0.0	0.2	16.6	17.9	21.5	9.7	8.8	3.9	0.0	42.1
CV	-1.0	-1.0	-1.0	4.5	2.2	1.7	1.7	1.5	2.4	3.9	-1.0	-1.0	1.0

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 303 HUASCO
EST 3 FREIRINA RETEN
LAT 2830 LON 7107 ALT 81 (MTS)

SUP 9456 (KM2)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1935	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	3.0	0.0	0.0	-1.0
1936	0.0	0.0	0.0	0.0	0.0	0.0	32.5	0.0	0.0	0.0	0.0	0.0	32.5
1937	0.0	0.0	0.0	0.0	0.0	0.0	8.0	6.1	6.0	0.0	0.0	0.0	20.1
1938	0.0	0.0	0.0	0.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0
1939	0.0	0.0	0.0	0.0	0.0	14.5	5.5	0.0	0.0	15.5	0.0	0.0	35.5
1940	1.0	0.0	0.0	0.0	0.0	63.5	36.5	11.0	0.0	0.0	0.0	0.0	112.0
1941	0.0	0.0	0.0	0.0	30.3	0.0	17.5	31.2	0.0	0.1	0.0	0.0	79.1
1942	0.0	0.0	0.0	0.0	12.5	14.0	5.3	1.2	3.1	0.0	0.0	0.0	36.1
1943	0.0	0.0	0.0	0.0	49.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	51.0
1944	0.0	0.0	0.0	0.0	0.0	43.5	0.0	0.0	0.0	0.0	0.0	0.0	43.5
1945	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	4.0
1946	0.0	0.0	0.0	0.0	13.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0
1947	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0
1948	0.0	0.0	0.0	0.0	5.5	0.0	2.0	0.0	0.0	0.0	0.0	0.0	7.5
1949	0.0	0.0	0.0	0.0	0.0	14.0	32.0	4.0	0.0	0.0	0.0	0.0	86.0
1950	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
1951	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
1952	0.0	0.0	0.0	0.0	0.0	64.0	11.5	15.0	27.0	0.0	0.0	0.0	117.5
1953	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0	0.0	0.0	0.0	0.0	26.0
1954	0.0	0.0	0.0	0.0	20.5	22.0	28.0	0.0	0.0	0.0	0.0	0.0	70.5
1955	0.0	0.0	0.0	0.0	3.0	0.0	3.0	2.0	0.0	0.0	0.0	0.0	8.0
1956	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	14.0	0.0	0.0	0.0	16.5
1957	0.0	0.0	0.0	0.0	54.5	6.0	22.0	0.0	0.0	0.0	0.0	0.0	82.5
1958	0.0	0.0	0.0	0.0	0.0	25.5	22.0	8.0	0.0	0.0	0.0	0.0	55.5
1959	0.0	0.0	0.0	6.5	0.0	2.5	0.5	11.0	0.0	0.0	1.0	0.0	21.5
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	4.0	28.0	0.0	0.0	0.0	0.0	32.0
1962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0	0.0	0.0	27.0
1963	0.0	0.0	0.0	0.0	2.0	3.0	22.0	5.0	24.0	0.0	0.0	0.0	56.0
1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0
1965	0.0	0.0	0.0	0.0	6.0	0.0	57.0	6.0	0.0	0.0	0.0	0.0	69.0
1966	0.0	0.0	0.0	0.0	0.0	26.0	8.0	2.0	0.0	0.0	0.0	0.0	36.0
1967	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	8.0	0.0	0.0	0.0	21.0
1968	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
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	1.0	0.0	0.0	6.5	54.5	64.0	57.0	40.0	27.0	27.0	1.0	0.0	117.5
PROM	0.0	0.0	0.0	0.2	7.0	10.5	9.6	6.3	2.5	1.3	0.0	0.0	37.4
DESV	0.2	0.0	0.0	1.1	14.0	17.4	14.2	10.5	6.6	5.3	0.2	0.0	31.9
CV	5.7	-1.0	-1.0	5.7	2.0	1.7	1.5	1.7	2.7	3.9	5.8	-1.0	0.9

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 303

HUASCO

SUP

9456 (KM2)

EST 5 VALLENAR

LAT 2834 LON 7047 ALT 469 (MTS)

277.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1930	0.0	0.0	1.0	0.0	5.0	0.0	23.0	97.0	6.0	0.0	0.0	0.0	132.0
1931	0.0	0.0	0.0	21.0	0.0	0.0	2.0	0.0	0.0	0.0	7.0	0.0	30.0
1932	0.0	0.0	0.0	4.0	0.0	48.0	33.0	7.0	0.0	0.0	0.0	0.0	92.0
1933	0.0	0.0	0.0	1.0	8.0	0.0	0.0	6.0	1.0	0.0	0.0	0.0	16.0
1934	0.0	0.0	0.0	0.0	40.0	19.0	0.0	13.0	0.0	0.0	0.0	0.0	72.0
1939	0.0	0.0	0.0	0.0	33.0	21.2	10.1	2.3	1.2	35.0	2.8	0.3	105.9
1940	0.0	0.0	0.0	0.0	0.0	61.0	37.0	19.0	0.0	0.0	0.0	0.0	117.0
1941	0.0	0.0	0.0	0.0	59.0	0.0	17.0	55.0	0.0	0.0	0.0	0.0	131.0
1942	0.0	0.0	0.0	0.0	8.0	29.0	7.0	39.0	9.0	9.0	0.0	0.4	101.4
1943	0.0	0.0	0.0	0.0	21.0	38.0	7.0	1.0	0.0	0.0	1.0	0.0	68.0
1944	0.0	0.0	0.0	25.0	0.0	49.5	0.0	0.0	0.0	1.5	0.0	0.0	76.0
1945	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	5.1
1946	0.0	0.0	0.0	0.0	35.6	5.5	0.0	0.0	0.0	0.0	0.0	0.0	41.1
1947	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	2.0	0.0	0.0	0.0	3.5
1948	0.0	0.0	0.0	0.0	11.5	0.0	7.7	3.5	0.0	0.0	0.0	0.0	22.7
1949	0.0	0.0	0.0	0.0	0.0	14.0	26.0	37.7	0.0	0.0	0.0	0.0	77.7
1951	0.0	0.0	0.0	0.2	1.7	11.6	1.2	0.0	0.2	0.0	0.0	0.0	14.9
1952	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	-1.0
1953	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	-1.0
1954	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	0.0	-1.0	0.0	0.0	0.0	-1.0
1955	0.0	0.0	0.0	0.0	8.5	0.0	13.0	0.0	0.0	0.0	0.0	0.0	21.5
1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	0.0	0.0	0.0	9.5
1957	0.0	0.0	0.0	0.0	18.7	2.6	20.8	0.0	0.0	4.0	0.0	0.0	46.1
1958	0.0	0.0	0.0	0.0	0.0	0.0	11.4	1.9	10.0	0.0	0.0	0.0	23.3
1959	0.0	0.0	0.0	9.3	0.0	5.3	1.8	6.4	0.0	0.0	0.0	0.0	22.8
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	5.2	32.0	0.0	0.0	0.0	0.0	37.2
1962	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	23.1	0.0	0.0	0.0	24.4
1963	0.0	0.0	0.0	0.0	0.0	4.0	24.0	8.0	29.0	0.0	0.0	0.0	65.0
1964	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
1965	0.0	0.0	0.0	0.0	2.0	0.0	7.8	17.0	0.0	0.0	0.0	0.0	26.8
1966	0.0	0.0	0.0	0.0	0.0	14.0	1.6	8.6	0.0	0.0	0.0	0.0	0.0
1967	0.0	0.0	0.0	0.0	0.7	8.4	0.0	5.7	12.0	0.0	0.0	0.0	26.8
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	1.0	25.0	59.0	61.0	37.0	97.0	29.0	35.0	7.0	0.4	132.0
PROM	0.0	0.0	0.0	1.8	7.4	10.1	8.4	11.4	3.3	1.5	0.3	0.0	45.5
DESV	0.0	0.0	0.2	5.7	14.3	16.7	10.7	20.8	7.0	6.2	1.3	0.1	41.1
CV	-1.0	-1.0	5.8	3.2	1.9	1.7	1.3	1.8	2.1	4.2	4.0	4.1	0.9

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 3 HOYA 303 HUASCO SUP 9456 (KM2)
 EST 6 STA JUANA EN CAMARON
 LAT 2839 LON 7042 ALT 378 (MTS)

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	35.0	0.0	0.0	0.0	0.0	-1.0
1962	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	25.0	0.0	0.0	30.0
1962	0.0	0.0	0.0	0.0	0.0	5.0	42.0	9.0	31.3	0.0	0.0	0.0	87.3
1963	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.5	0.0	0.0	0.0	0.0	4.5
1964	0.0	0.0	0.0	0.0	0.0	1.5	87.0	27.5	0.0	0.0	0.0	0.0	116.0
1965	0.0	0.0	0.0	0.0	0.0	20.0	2.5	4.0	0.0	0.0	0.0	0.0	8.5
1966	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5
MAX	0.0	0.0	0.0	0.0	0.0	20.0	87.0	35.0	31.3	25.0	0.0	0.0	116.0
PROM	0.0	0.0	0.0	0.0	0.0	5.9	27.3	12.8	5.2	4.2	0.0	0.0	49.3
DESV	0.0	0.0	0.0	0.0	0.0	8.1	37.5	14.8	12.8	10.2	0.0	0.0	49.8
CV	-1.0	-1.0	-1.0	-1.0	-1.0	1.4	1.4	1.2	2.4	2.4	-1.0	-1.0	1.0

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3 HOYA 303 HUASCO SUP 9456 (KM2)
 EST 8 JTAS DEL CARMEN Y TR
 LAT 2845 LON 7030 ALT 674 (MTS)

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	-1.0	-1.0	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	0.3
1948	0.0	0.0	0.0	0.0	0.0	14.3	0.3	20.8	7.6	-1.0	-1.0	-1.0	-1.0
1949	0.0	0.0	0.0	0.0	0.0	0.0	12.0	19.4	72.1	0.0	0.0	0.0	103.5
1950	0.0	0.0	0.0	0.0	0.0	16.5	1.0	0.0	0.0	7.0	0.0	0.0	24.5
1951	0.0	0.0	0.0	0.0	4.0	0.3	2.5	1.0	5.7	0.0	0.0	0.0	25.0
1952	0.0	0.0	0.0	0.0	0.0	0.0	86.8	8.6	10.0	30.0	0.0	0.0	135.4
1953	0.0	0.0	0.0	0.0	0.0	0.0	7.1	4.3	40.7	0.0	0.0	0.0	52.1
1954	0.0	7.0	0.0	1.8	6.4	42.9	13.4	1.5	0.0	0.0	0.0	0.0	73.0
1955	0.0	0.0	0.0	0.0	7.5	0.0	7.2	6.5	0.0	5.2	0.0	0.0	26.4
1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	1.0	21.0	0.0	0.0	26.6
1957	0.0	0.0	0.0	0.0	41.0	7.9	54.2	0.0	0.0	0.0	0.0	0.4	109.5
1958	0.0	0.0	0.0	0.0	0.0	0.0	27.1	7.4	4.5	0.0	0.0	0.0	39.0
1959	0.0	0.0	0.0	25.5	0.0	7.3	0.0	11.0	0.0	0.0	0.0	0.0	43.8
1961	0.0	0.0	0.0	0.0	0.0	0.0	17.0	46.0	0.0	3.7	0.0	0.0	66.7
1962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	19.0	0.0	0.0	19.9
1963	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1964	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1965	0.0	0.0	0.0	1.0	11.0	5.1	80.1	16.9	0.0	0.0	0.0	0.0	114.1
1966	0.0	0.0	0.0	0.0	0.0	22.5	0.0	4.5	0.0	0.0	0.0	0.0	27.0
1967	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
MAX	0.0	7.0	0.0	25.5	41.0	86.8	80.1	72.1	30.0	19.0	0.0	0.4	135.4
PROM	0.0	0.4	0.0	1.8	5.7	11.5	15.2	12.8	3.7	1.6	0.0	0.0	55.4
DESV	0.0	1.6	0.0	6.0	10.7	22.3	21.8	19.9	8.6	4.7	0.0	0.1	40.5
CV	-1.0	4.2	-1.0	3.3	1.9	1.9	1.4	1.6	2.3	2.9	-1.0	4.1	0.7

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA	HOYA 303 HUASCO											SUP	
3	EST 10 EL TRANSITO											9456 (KM2)	

LAT 2852 LON 7016 ALT 1200 (MTS)													

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

1935	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	23.0	0.0	0.0	-1.0
1936	0.0	0.0	0.0	0.0	0.0	0.0	48.0	0.0	0.0	5.0	0.0	0.0	53.0
1937	0.0	0.0	0.0	0.0	4.4	1.4	0.0	0.0	23.2	0.0	0.0	0.0	29.0
1938	0.0	0.0	47.0	0.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92.0
1939	0.0	0.0	0.0	0.0	10.3	2.3	12.5	0.0	0.0	18.0	0.0	2.0	45.1
1940	0.0	0.0	0.0	0.0	0.0	55.0	25.0	35.0	0.0	0.0	0.0	0.0	115.0
1941	0.0	0.0	0.0	13.0	66.5	0.0	48.0	67.0	0.0	0.0	0.0	0.0	194.5
1942	0.0	0.0	0.0	0.0	42.0	60.0	2.0	2.0	12.5	2.0	0.0	0.0	120.5
1943	0.0	0.0	0.0	0.0	24.0	47.5	13.0	0.0	0.0	0.0	0.0	0.0	84.5
1944	7.0	0.0	0.0	34.0	0.0	63.0	0.0	0.0	0.0	0.0	0.0	0.0	104.0
1945	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	10.0
1946	0.0	0.0	0.0	0.0	40.5	26.0	0.0	0.0	0.0	0.0	0.0	0.0	66.5
1947	0.0	0.0	0.0	0.8	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	2.2
1948	0.0	0.0	0.0	0.0	23.4	0.0	40.0	15.0	0.0	0.0	0.0	0.0	84.4
1949	0.0	0.0	0.0	0.0	0.0	10.0	51.0	102.0	0.0	0.0	0.0	0.0	163.0
1950	0.0	0.0	0.0	0.0	15.5	0.0	0.0	0.0	0.0	0.5	0.0	0.0	16.0
1951	0.0	0.0	0.0	13.0	7.0	0.0	11.0	6.0	0.0	0.0	0.0	0.0	37.0
1952	0.0	8.0	2.0	0.0	2.0	109.0	9.0	0.5	22.1	0.0	0.0	0.0	158.6
1953	0.0	0.0	0.0	0.0	0.0	22.6	0.9	70.0	0.0	0.0	0.0	0.0	93.5
1954	0.0	3.0	0.0	0.0	5.0	66.5	7.5	0.0	0.0	0.0	0.0	0.0	82.0
1955	0.0	0.0	0.0	0.0	7.4	0.0	0.0	2.0	0.0	2.3	0.0	0.0	11.7
1956	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	9.5	0.0	0.0	0.0	14.5
1957	0.0	0.0	0.0	0.0	19.0	3.5	55.5	0.0	0.0	0.0	0.0	3.0	80.5
1958	0.0	0.0	0.0	0.0	0.0	0.0	19.0	8.5	2.5	0.0	0.0	0.0	30.0
1959	0.0	0.0	0.0	16.0	0.0	6.5	0.0	8.0	0.0	0.0	0.0	0.0	30.5
1960	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	3.0
1961	0.0	0.0	0.0	0.0	0.0	0.0	22.0	72.0	0.0	0.0	0.0	0.0	98.0
1962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	15.0
1963	0.0	0.0	0.0	0.0	7.0	11.0	31.0	13.5	10.5	0.0	0.0	0.0	73.0
1964	0.0	0.0	0.0	0.0	0.0	6.0	0.0	20.0	0.0	0.0	0.0	0.0	26.0
1965	0.0	0.0	0.0	6.0	8.5	7.0	81.0	31.0	4.0	0.0	0.0	0.0	137.5
1966	0.0	0.0	0.0	2.5	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5
1967	0.0	0.0	0.0	0.0	0.0	30.0	0.0	2.8	18.0	0.0	0.0	0.0	51.3
1968	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	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	1.0
MAX	7.0	8.0	47.0	34.0	66.5	109.0	81.0	102.0	23.2	23.0	7.0	3.0	194.5
PRCM	0.2	0.3	1.5	2.7	9.9	16.8	14.6	13.9	3.0	2.1	0.2	0.1	65.2
DESV	1.2	1.5	8.2	7.0	16.5	26.8	21.3	26.1	6.6	5.5	1.2	0.6	51.5
CV	5.7	4.4	5.5	2.6	1.7	1.6	1.5	1.9	2.2	2.7	5.8	4.1	0.8

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 3 HOYA 303 HUASCO SUP 9456 (KM2)
 EST 11 SAN FELIX
 LAT 2855 LON 7C27 ALT 893 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1940	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	-1.0
1941	0.0	0.0	0.0	2.0	52.0	4.0	45.0	72.0	0.0	0.0	0.0	0.0	175.0
1942	0.0	0.0	0.0	0.0	33.5	39.9	2.0	23.0	10.9	8.2	0.0	0.0	117.5
1943	0.0	0.0	0.4	0.0	27.9	69.8	17.1	0.0	2.8	1.2	0.0	0.0	119.2
1944	3.0	0.0	0.0	31.0	2.8	73.3	0.0	0.0	0.3	0.3	4.8	0.0	115.5
1945	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	3.0	0.0	0.0	0.0	7.7
1946	0.0	0.0	0.0	0.0	46.7	29.5	0.0	0.0	0.0	0.0	0.0	0.0	76.2
1947	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5
1948	0.0	0.0	0.0	0.0	18.2	0.0	7.6	0.0	0.0	0.0	0.0	0.0	25.8
1949	0.0	0.0	0.0	0.0	0.0	15.8	34.0	58.9	0.0	0.0	0.0	0.0	108.7
1950	3.8	0.0	0.0	0.0	24.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	30.2
1951	0.0	0.0	0.0	2.0	0.8	3.0	11.3	2.0	0.0	0.0	0.0	0.0	19.1
1952	0.0	8.4	0.0	0.0	49.0	29.0	23.1	2.2	27.6	0.0	0.0	0.0	139.9
1953	0.0	0.0	0.0	0.0	0.0	20.1	0.0	55.2	0.0	0.0	0.0	0.0	75.3
1954	0.0	4.6	0.0	5.6	8.4	37.8	15.9	0.0	0.0	0.0	0.0	0.0	72.3
1955	0.0	0.0	0.0	0.0	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.1
1956	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0	11.6	0.0	0.0	0.0	18.4
1957	0.0	0.0	0.0	0.0	57.0	6.6	-1.0	0.0	0.0	0.0	0.0	-1.0	-1.0
1958	0.0	0.0	-1.0	0.0	0.0	0.0	15.0	-1.0	-1.0	-1.0	0.0	0.0	-1.0
1959	0.0	0.0	0.0	17.3	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	-1.0
1960	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	-1.0	-1.0
1961	0.0	0.0	0.0	0.0	0.0	0.0	22.7	-1.0	-1.0	5.5	0.0	-1.0	-1.0
1963	-1.0	0.0	-1.0	-1.0	8.5	13.6	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	-1.0
1965	28.0	1.0	0.0	4.5	7.0	6.5	96.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1967	0.0	0.0	0.0	0.0	-1.0	20.0	0.0	0.0	11.0	0.0	0.0	0.0	-1.0
1968	0.0	0.0	0.0	0.0	0.0	8.5	0.0	-1.0	-1.0	-1.0	-1.0	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	0.5
MAX	28.0	8.4	0.4	31.0	57.0	73.3	96.0	72.0	27.6	8.2	4.8	0.0	175.0
PROM	1.5	0.6	0.0	2.7	15.9	16.5	14.1	12.1	3.5	0.7	0.2	0.0	69.6
DESV	5.9	1.9	0.1	7.2	19.8	21.5	22.6	23.8	7.1	2.1	1.0	0.0	54.8
CV	3.9	3.3	4.7	2.7	1.2	1.3	1.6	2.0	2.0	2.9	4.8	-1.0	0.8

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3 HOYA 303 HUASCO SUP 9456 (KM2)

EST 12 CONAY Y RETEN

LAT 2856 LON 7006 ALT 2300 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	0.0	0.0	1.0	0.1	0.0	0.0	3.0	0.0	0.0	26.0	0.0	0.0	30.1
1963	0.0	0.0	0.0	0.0	8.0	21.0	29.0	-1.0	31.0	0.0	2.0	0.0	-1.0
1964	0.0	0.0	6.0	0.0	0.0	14.0	0.0	28.0	0.0	0.0	0.0	0.0	48.0
1965	3.4	0.0	0.0	16.0	10.0	9.5	132.0	91.0	-1.0	0.0	2.0	0.0	-1.0
1966	0.0	0.0	0.0	15.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	18.5
1967	0.0	0.0	0.0	0.0	0.0	23.0	0.0	9.9	0.0	0.0	0.0	0.0	32.9
1968	0.0	0.0	0.0	0.0	0.0	1.5	0.0	-1.0	0.0	0.0	-1.0	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	18.5
MAX	3.4	0.0	6.0	16.0	10.0	23.0	132.0	91.0	31.0	26.0	2.0	0.0	48.0
PROM	0.5	0.0	1.0	4.4	2.6	10.4	23.4	25.8	5.2	3.7	0.7	0.0	32.4
DESV	1.3	0.0	2.2	7.6	4.4	9.3	49.0	38.2	12.7	9.8	1.0	0.0	12.1
CV	2.6	-1.0	2.2	1.7	1.7	0.9	2.1	1.5	2.4	2.6	1.5	-1.0	0.4

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3 HOYA 303 HUASCO SUP 9456 (KM2)
 EST 14 LOS TAMBOS
 LAT 2858 LON 7008 ALT 1200 (MTS)

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

1958	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	-1.0
1959	0.0	0.0	0.0	23.0	0.0	11.0	0.0	9.0	1.0	0.0	0.0	0.0	44.0
1960	0.0	0.0	0.0	3.0	0.0	14.0	2.0	0.0	-1.0	0.0	0.0	0.0	-1.0
1961	0.0	0.0	0.0	0.0	0.5	0.0	26.0	83.5	0.0	4.0	0.0	0.0	114.0
1962	0.0	1.0	0.0	4.0	0.0	0.0	5.0	0.0	0.0	24.0	0.0	0.0	34.0
1963	0.0	0.0	0.0	0.0	7.0	15.5	30.0	17.0	27.0	0.0	2.0	0.0	98.5
1964	0.0	0.0	15.0	0.0	0.0	6.5	0.0	14.0	0.0	0.0	0.0	0.0	35.5
1965	4.0	0.0	0.0	13.5	7.0	9.0	52.5	83.5	7.0	0.0	0.0	0.0	176.5
1966	0.0	0.0	0.0	11.0	0.0	22.0	0.0	0.0	0.0	-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	34.0
MAX	4.0	1.0	15.0	23.0	7.0	22.0	52.5	83.5	27.0	24.0	2.0	0.0	176.5
PROM	0.5	0.1	1.9	6.8	1.8	9.8	14.4	25.9	5.0	4.0	0.3	0.0	83.8
DESV	1.4	0.4	5.3	8.3	3.2	7.6	19.6	36.2	10.0	8.9	0.7	0.0	56.8
CV	2.8	2.8	2.8	1.2	1.8	0.8	1.4	1.4	2.0	2.2	2.8	-1.0	0.7

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1967	0.0	0.0	0.0	0.0	0.0	30.0	0.0	12.0	8.0	0.0	0.0	0.0	50.0
1968	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5
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	2.0
MAX	10.0	20.0	26.5	37.0	213.0	167.0	155.0	155.0	33.5	22.5	11.5	9.1	424.0
PROM	0.4	1.0	1.1	3.2	19.6	22.1	16.7	15.7	2.8	1.5	0.2	0.4	85.3
DESV	1.6	3.4	4.1	7.5	38.7	34.2	27.8	30.7	7.0	4.3	1.6	1.7	78.0
CV	4.1	3.6	3.7	2.3	2.0	1.5	1.7	2.0	2.5	2.9	7.2	4.4	0.9

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3 HOYA 304 ELQUI SUP 9794 (KM2)

EST 1 HUANTA

LAT 2951 LON 7023 ALT 1300 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1939	0.0	-1.0	-1.0	-1.0	-1.0	32.0	3.0	0.0	-1.0	-1.0	-1.0	12.0	-1.0
1940	0.0	0.0	0.0	0.0	0.0	39.0	62.0	33.0	8.0	0.0	0.0	0.0	142.0
1941	0.0	0.0	0.0	24.0	27.0	14.0	58.0	8.0	0.0	0.0	0.0	0.0	131.0
1942	0.0	0.0	0.0	0.0	37.0	41.0	5.0	30.0	8.0	4.0	0.0	0.0	125.0
1943	0.0	0.0	0.0	0.0	19.0	48.0	15.0	0.0	4.0	4.0	0.0	0.0	90.0
1944	0.0	16.0	0.0	22.0	31.0	59.0	0.0	0.0	0.0	0.0	0.0	0.0	128.0
1945	0.0	8.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	11.0
1946	0.0	0.0	0.0	0.0	33.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	62.0
1947	0.0	0.0	0.0	0.0	0.0	0.0	10.3	2.0	0.0	0.0	0.0	0.0	12.3
1948	0.0	0.0	0.0	0.0	10.0	0.0	39.0	3.0	0.0	0.0	0.0	0.0	52.0
1949	0.0	0.0	0.0	0.0	0.0	0.0	55.0	43.5	0.0	0.0	0.0	0.0	98.5
1950	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
1951	0.0	0.0	0.0	7.0	4.5	0.0	13.5	0.0	0.0	0.0	0.0	0.0	25.0
1952	0.0	0.0	0.0	0.0	26.0	47.0	28.2	1.8	8.0	0.0	0.0	0.0	111.0
1953	0.0	0.0	0.0	0.0	1.5	0.0	-1.0	58.0	-1.0	-1.0	-1.0	-1.0	-1.0
1954	-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
1955	0.0	0.0	0.0	0.0	3.5	0.0	4.9	5.3	0.0	0.0	0.0	0.0	13.7
1962	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.4	0.0	18.0	0.0	0.0	23.4
1963	0.0	0.0	0.0	0.0	0.1	18.0	27.0	19.0	37.0	0.0	0.0	0.0	101.1
1964	0.0	0.0	4.0	0.0	0.0	30.0	0.0	9.0	0.0	0.0	0.0	0.0	43.0
1965	5.0	0.0	0.0	7.0	4.0	7.0	96.0	41.0	2.0	0.0	4.0	0.0	166.0
1966	0.0	0.0	0.0	6.0	6.0	34.0	0.0	1.5	0.0	0.0	1.0	0.0	49.0
1967	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.5	-1.0	0.0	0.0	20.0	-1.0
1968	0.0	0.0	-1.0	0.0	0.0	10.0	0.0	0.0	4.0	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	11.0
MAX	5.0	16.0	4.0	24.0	37.0	59.0	96.0	58.0	37.0	18.0	4.0	20.0	166.0
PROM	0.2	1.1	0.2	3.0	10.1	18.6	19.2	11.3	3.5	1.2	0.2	1.5	73.9
DESV	1.0	3.7	0.9	6.9	12.9	19.3	26.7	17.3	8.4	4.0	0.9	4.9	50.7
CV	4.8	3.4	4.6	2.3	1.3	1.0	1.4	1.5	2.4	3.2	3.7	3.3	0.7

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

```

*****
ZONA 3 HCYA 304 ELQUI SLP 5794 (KM2)
EST 3 FCC SAN ANTONIO PRCP DGA TIPC PV
LAT 2951 LON 7105
*****
ANC ENE FEB MAR ABR MAY JUN JUL AGO SEP OCT NOV DIC TOT
*****
1960 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 0.0 0.0 -1.0
1961 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -1.0 17.5 0.0 0.0 -1.0
1962 0.0 0.0 0.0 0.0 4.0 35.5 40.0 20.0 39.5 0.0 0.0 0.0 139.0
*****

```

287.

PRECIPITACIONES (MM)

ZONA 3

HOYA 304 ELQUI
EST 4 LA SERENA
LAT 2954 LON 7115 ALT 132 (MTS)

SUP 9794 (KM2)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1869	0.0	0.0	0.0	0.0	20.0	13.0	0.0	60.0	2.0	11.0	0.0	0.0	106.0
1870	0.0	0.0	0.0	0.0	20.0	75.0	29.0	0.0	0.0	0.0	0.0	0.0	124.0
1871	0.0	0.0	0.0	0.0	51.5	50.5	6.0	16.0	4.0	0.0	0.0	0.0	128.0
1872	0.0	0.0	0.0	0.0	9.0	5.0	23.5	21.5	12.0	0.0	0.0	0.0	71.0
1873	0.0	1.0	0.0	7.0	0.0	8.0	15.0	48.5	1.0	0.0	0.0	0.0	80.5
1874	0.0	0.0	0.0	0.0	9.0	74.5	18.0	0.0	1.5	21.0	4.0	0.0	128.0
1875	1.0	0.0	0.0	5.0	35.0	30.0	0.0	0.0	13.0	0.0	10.0	0.0	94.0
1876	0.0	0.0	0.0	1.0	50.0	15.0	0.0	0.0	27.0	0.0	0.0	0.0	93.0
1877	0.0	0.0	0.0	0.0	18.5	36.0	107.0	5.0	6.0	8.0	0.0	0.0	180.5
1878	0.0	0.0	1.0	0.0	9.0	49.0	0.0	10.0	0.0	0.0	1.0	0.0	70.0
1879	0.0	0.0	0.0	0.0	42.5	40.0	21.0	9.5	0.0	11.5	1.0	0.0	125.5
1880	0.0	0.0	0.0	0.0	0.0	184.0	128.5	50.0	0.0	3.0	0.5	0.0	366.0
1881	0.0	0.0	0.0	12.5	33.0	23.5	67.0	25.5	74.0	0.0	0.0	0.0	235.5
1882	0.0	0.0	0.0	0.0	0.0	0.0	47.0	14.0	0.0	18.0	0.0	0.0	79.0
1883	0.0	0.0	0.0	0.0	19.0	161.0	0.0	14.0	0.0	0.0	0.0	0.0	194.0
1884	0.0	0.0	0.0	26.0	0.0	18.0	36.5	4.0	22.0	0.0	0.0	0.0	106.5
1885	0.0	0.0	0.0	0.0	49.0	5.0	163.0	0.0	0.0	0.0	0.0	0.0	217.0
1886	0.0	0.0	0.0	24.0	0.0	69.0	0.0	1.0	0.0	0.0	0.0	0.0	94.0
1887	0.0	0.0	0.0	0.0	0.0	71.0	0.0	4.5	18.0	0.0	0.0	0.0	93.5
1888	0.0	0.0	0.0	18.0	0.0	31.0	22.6	235.0	49.0	56.0	0.0	0.0	411.6
1889	0.0	0.0	0.0	0.0	21.0	0.0	12.0	47.0	0.0	0.0	0.0	0.0	80.0
1890	0.0	0.0	2.0	0.0	14.0	80.0	52.0	0.0	0.0	0.0	0.0	0.0	148.0
1891	0.0	0.0	0.0	0.0	6.7	175.4	45.0	10.5	1.0	24.0	0.0	0.0	262.6
1892	0.0	0.0	0.0	0.0	0.0	1.2	0.0	16.3	0.0	0.0	0.0	0.0	17.5
1893	0.0	0.0	0.0	0.0	14.2	24.3	13.6	16.3	2.5	7.8	0.0	0.0	78.7
1894	0.0	0.0	0.0	2.1	5.5	30.5	96.0	54.2	1.4	0.0	0.0	0.0	189.7
1895	0.0	0.0	0.0	6.5	1.0	0.0	1.5	40.3	0.0	0.0	0.0	0.0	49.3
1896	0.0	0.0	0.0	1.5	0.5	5.6	1.5	4.9	18.0	1.3	0.0	0.0	33.3
1897	0.0	0.0	0.0	0.0	56.7	98.5	33.1	0.5	2.3	1.5	0.0	0.0	192.6
1898	0.0	0.0	0.0	0.8	15.8	95.8	3.0	17.9	0.0	0.0	1.8	0.0	135.1
1899	0.0	0.0	0.0	0.0	0.0	45.4	29.1	184.6	4.1	0.0	0.0	0.0	263.2
1900	0.0	0.0	0.0	8.3	27.6	9.1	89.7	98.1	0.0	0.0	0.0	0.0	232.8
1901	0.0	0.0	0.0	0.0	0.0	59.1	47.7	60.9	0.0	0.0	0.0	0.0	167.7
1902	0.0	0.0	0.0	0.0	8.2	63.3	93.6	0.2	0.0	0.0	5.1	0.0	170.4
1903	0.0	0.0	0.0	1.5	1.7	133.7	40.5	0.0	1.3	2.9	0.0	0.0	181.6
1904	0.0	0.0	4.8	0.0	56.7	20.3	166.1	18.9	1.9	2.0	0.0	0.0	270.7
1905	0.0	0.0	27.2	0.0	158.2	2.0	622.7	43.8	9.8	2.8	0.0	1.0	307.5
1906	0.0	0.0	0.0	0.0	124.5	40.9	9.8	6.7	1.0	0.0	0.2	0.0	183.1
1907	0.0	0.0	0.0	0.5	20.1	48.7	40.7	4.3	5.0	0.0	0.0	0.0	119.3
1908	0.7	0.0	0.3	0.0	15.3	50.3	0.0	25.7	0.0	0.0	0.0	0.0	92.3
1909	1.2	0.0	0.0	0.0	9.4	35.9	0.0	1.7	1.2	2.0	0.0	0.0	51.4
1910	0.0	0.0	0.0	0.0	0.0	32.1	26.5	11.9	0.0	0.0	0.0	0.0	70.5
1911	0.0	0.0	0.0	0.0	13.9	14.8	2.1	0.0	1.8	0.0	0.0	0.0	32.6
1912	0.0	0.0	0.0	2.0	34.6	0.0	0.0	11.8	0.0	0.0	0.0	0.0	48.4
1913	0.0	0.0	0.0	0.0	0.0	2.5	17.2	7.1	0.0	0.0	0.0	0.0	26.8
1914	0.0	0.0	0.0	0.4	0.0	158.5	45.3	7.3	35.2	0.0	7.3	0.0	254.0
1915	0.0	0.0	0.0	0.0	40.5	58.2	0.0	3.8	2.0	0.0	1.7	0.0	106.2
1916	0.0	0.0	0.0	0.0	1.9	0.0	9.0	2.2	13.2	2.8	0.0	0.0	29.1
1917	0.0	0.0	2.0	2.0	0.0	52.0	0.0	15.0	0.0	0.0	0.0	0.0	71.0
1918	0.0	0.0	0.0	5.8	0.6	17.0	6.7	6.9	4.2	0.4	0.0	0.0	41.6

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1919	0.0	0.0	0.0	0.0	156.0	65.3	79.0	3.5	0.0	2.8	0.0	0.0	306.6
1920	0.0	0.0	0.0	0.0	4.0	1.5	0.9	0.6	0.0	0.0	0.0	0.0	7.0
1921	1.1	0.0	0.0	0.0	90.1	18.6	0.0	13.9	0.0	2.2	0.8	0.0	126.7
1922	0.0	0.0	0.0	0.0	0.0	56.1	8.3	63.5	15.8	0.5	0.8	0.9	145.9
1923	0.0	0.0	0.0	0.0	0.2	0.0	14.7	64.8	36.3	0.0	0.0	0.0	116.0
1924	0.0	0.0	0.0	0.0	0.0	0.1	2.2	8.5	7.8	3.0	0.4	0.0	22.0
1925	0.0	0.0	0.0	0.0	1.2	0.3	8.5	4.5	4.0	21.8	0.0	0.0	40.3
1926	0.0	1.9	0.8	0.4	19.2	85.5	69.1	19.8	0.5	2.0	0.0	0.0	199.2
1927	0.0	0.0	0.2	0.0	10.1	113.0	14.6	0.0	0.0	3.2	0.0	0.0	141.1
1928	0.0	0.0	0.0	5.5	26.8	93.2	65.3	7.7	3.8	0.7	1.0	2.0	206.0
1929	0.0	1.5	0.5	0.6	2.1	87.4	20.4	2.6	0.4	0.6	0.2	0.0	116.3
1930	0.9	0.1	3.5	1.0	2.1	26.4	42.7	108.6	9.2	0.2	2.6	0.0	197.3
1931	0.0	0.5	0.0	29.6	0.0	10.5	23.6	10.4	20.7	2.8	9.1	0.0	107.2
1932	0.0	0.0	0.0	2.8	21.2	63.6	5.3	25.3	0.0	0.3	2.7	1.6	122.8
1933	0.2	0.1	0.0	0.7	18.9	19.9	9.4	0.3	2.3	0.7	0.0	0.0	52.5
1934	0.0	0.0	0.1	0.0	86.5	45.1	1.1	35.5	7.0	4.3	0.6	0.3	180.5
1935	1.1	0.1	0.3	0.0	0.4	22.5	35.8	3.8	0.0	6.6	0.1	0.0	70.7
1936	0.1	0.0	0.0	0.3	8.2	7.0	29.4	7.2	4.1	4.5	0.1	0.0	60.9
1937	0.4	0.0	0.0	0.0	0.0	36.0	26.4	25.8	5.2	0.2	0.0	1.8	95.8
1938	0.0	0.0	0.0	0.0	95.4	11.4	6.3	0.0	0.0	0.9	0.5	0.0	114.5
1939	0.0	0.0	0.0	0.8	0.2	52.2	6.1	0.0	0.4	42.1	0.2	17.2	119.2
1940	0.0	0.0	0.0	0.2	14.3	68.9	65.9	28.5	0.4	0.5	0.0	0.0	178.7
1941	0.0	0.0	0.6	4.0	75.2	12.7	51.7	63.2	0.0	2.5	0.0	0.0	209.9
1942	1.0	0.0	0.0	0.0	11.0	30.4	35.9	44.4	7.0	11.2	1.9	0.0	142.8
1943	0.0	0.0	0.2	0.0	6.6	37.0	8.6	28.0	3.0	0.2	0.8	0.0	84.4
1944	0.0	3.0	0.0	29.0	15.5	68.1	1.8	28.0	1.0	0.8	0.0	0.0	147.2
1945	0.0	54.3	0.5	0.0	0.1	0.0	0.0	15.0	10.8	0.3	0.5	0.5	82.0
1946	0.0	0.0	0.4	0.0	28.5	38.7	3.4	0.9	2.6	0.2	0.0	0.0	74.7
1947	0.1	0.0	0.0	0.0	0.1	0.8	29.3	0.8	1.1	0.6	1.0	0.0	33.8
1948	0.0	0.0	0.0	0.0	10.0	13.2	40.5	3.9	0.3	4.0	0.4	0.0	72.3
1949	0.0	0.0	0.0	0.0	1.8	6.8	51.9	28.4	0.0	0.3	1.6	0.0	90.8
1950	0.0	0.0	0.0	0.0	56.4	0.0	0.0	0.0	13.7	0.0	10.7	0.0	80.8
1951	0.0	0.0	0.0	1.0	22.6	5.7	6.9	2.2	5.2	0.0	0.0	0.0	43.6
1952	1.8	0.0	0.3	0.0	42.4	71.6	44.8	0.0	2.9	1.4	0.0	0.0	165.2
1953	0.0	0.0	0.0	0.5	2.0	1.2	2.0	31.6	4.0	1.0	0.0	0.0	42.3
1954	0.0	0.0	0.0	4.5	24.4	38.3	7.0	11.0	2.1	0.2	0.3	0.0	87.8
1955	1.3	0.0	0.0	1.0	7.8	0.0	3.2	16.6	0.4	13.3	0.5	0.0	44.1
1956	0.0	1.0	33.0	0.1	2.0	0.0	27.0	10.0	24.0	0.0	0.1	0.0	97.2
1957	0.0	0.0	0.0	0.0	213.1	9.3	18.8	0.0	12.6	1.2	0.0	15.9	270.9
1958	0.0	0.0	2.4	0.0	6.3	52.0	35.8	47.7	12.4	3.0	0.0	0.0	159.6
1959	0.7	0.0	0.0	16.3	0.0	45.0	6.1	30.7	0.0	0.0	0.0	0.0	98.8
1960	0.0	0.0	0.0	0.0	1.8	8.0	0.6	0.0	0.0	0.0	0.0	0.0	10.4
1961	0.0	0.0	0.0	0.0	0.0	45.7	10.5	75.9	0.0	1.0	0.0	0.0	133.1
1962	0.0	0.0	0.0	0.0	0.0	10.6	0.8	0.9	1.0	21.0	0.0	0.0	34.3
1963	0.0	0.0	0.0	0.0	4.8	38.8	43.8	27.9	60.4	0.0	1.7	0.0	177.4
1964	0.0	0.0	0.0	0.0	0.0	6.0	8.0	11.0	0.4	0.0	0.0	0.0	25.4
1965	0.0	0.0	0.0	2.5	16.4	5.8	114.5	83.2	0.0	0.2	0.0	0.0	222.6
1966	0.2	0.0	0.0	0.0	0.0	68.0	40.0	2.2	0.3	0.0	1.0	0.0	111.7
1967	0.0	0.0	0.0	0.0	0.0	27.0	12.0	2.6	35.0	3.0	0.0	0.0	79.6
1968	0.0	0.0	0.0	0.0	0.2	32.7	0.0	0.0	1.3	0.0	-1.0	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	7.0
MAX	1.8	54.3	33.0	29.6	213.1	184.0	622.7	235.0	74.0	56.0	10.7	17.2	411.6
PRDM	0.1	0.6	0.8	2.3	21.2	38.9	33.8	22.1	6.2	3.4	0.7	0.4	125.8
DESV	0.3	5.4	4.3	6.0	36.4	40.0	68.9	35.4	12.3	8.3	2.0	2.3	80.2
CV	2.9	8.6	5.3	2.6	1.7	1.0	2.0	1.6	2.0	2.4	2.7	5.7	0.6

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 3 HOYA 304 ELQUI SUP 9794 (KM2)
 EST 5 LA SERENA CAMPEX
 LAT 2954 LON 7120 ALT 130 (MTS)

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

 1961 0.0 0.2 0.0 0.0 0.0 39.0 11.0 56.0 0.0 1.0 0.0 0.0 107.2
 1962 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0
 1963 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0
 1964 0.0 0.0 0.0 0.0 0.0 8.0 8.0 7.0 1.0 0.0 -1.0 0.0 -1.0

PRECIPITACIONES (MM)

ZONA	3		HOYA	304 ELQUI		SUP		9794 (KM2)					
			EST	6 S E LA SERENA									
			LAT	2954	LON	7115	ALT	32 (MTS)					
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	8.5	8.5	8.5	1.5	-1.0	0.0	-1.0	-1.0
1965	-1.0	-1.0	-1.0	2.5	-1.0	-1.0	114.5	83.2	0.0	-1.0	0.0	0.0	-1.0
1966	0.0	0.0	0.0	0.0	0.0	66.8	24.2	2.4	0.0	0.0	0.0	0.0	93.4
1967	0.0	0.0	0.0	0.0	6.5	19.0	17.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1968	-1.0	-1.0	-1.0	-1.0	-1.0	34.0	0.0	0.0	-1.0	0.0	0.0	0.0	-1.0

PRECIPITACIONES (MM)

ZONA 3 HGYA 304 ELQUI SUP 9794 (KM2)

EST 7 LA SERENA STA ROSA

LAT 2955 LON 7114 ALT 20 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1922	0.0	0.0	0.0	0.1	0.1	55.2	10.0	89.2	10.7	0.5	1.0	1.1	153.9
1923	0.0	0.0	0.3	0.2	0.0	18.9	69.0	38.1	0.0	1.2	0.0	0.0	127.7
1924	0.0	0.0	0.0	0.2	0.0	0.4	2.2	9.5	9.6	4.6	0.0	0.0	26.5
1925	0.0	0.0	0.0	0.0	1.0	0.0	10.5	3.8	0.8	18.5	0.0	0.0	34.6
1926	0.0	2.7	0.0	0.0	16.4	88.7	74.2	18.4	0.5	2.5	0.0	0.0	203.4
1927	0.0	0.0	0.0	0.0	12.0	106.0	13.3	0.2	3.0	3.5	0.0	0.0	138.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.2	0.0	0.5	0.0	0.0	26.5
MAX	0.0	2.7	0.3	0.2	16.4	106.0	74.2	89.2	10.7	18.5	1.0	1.1	203.4
PROM	0.0	0.4	0.0	0.1	4.9	44.9	29.9	26.5	4.1	5.1	0.2	0.2	114.0
DESV	0.0	1.1	0.1	0.1	7.3	45.7	32.6	33.5	4.8	6.7	0.4	0.4	69.7
CV	-1.0	2.4	2.4	1.2	1.5	1.0	1.1	1.3	1.2	1.3	2.4	2.4	0.6

NOTA=VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZGNA 3

HOYA 304 ELQUI
EST 10 MOLLE RETEN
LAT 2957 LON 7059 ALT 70 (MTS)

SUP 9794 (KM2)

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	10.0	0.0	0.0	0.0	13.0	0.0	0.0	23.0
1963	0.0	0.0	0.0	0.0	16.0	38.0	39.0	26.0	45.0	0.0	7.0	0.0	171.0
1964	0.0	0.0	0.0	0.0	0.0	11.0	0.0	18.0	-1.0	-1.0	-1.0	0.0	-1.0
1965	-1.0	-1.0	-1.0	6.0	10.0	4.5	121.0	78.0	0.0	0.0	0.0	0.0	-1.0
1966	0.0	0.0	0.0	0.0	0.0	57.0	50.0	10.0	0.0	0.0	-1.0	0.0	-1.0
1967	0.0	0.0	0.0	0.0	0.0	19.0	4.0	1.0	27.0	4.0	0.0	0.0	55.3
1968	0.0	0.0	0.0	0.0	-1.0	22.5	-1.0	0.0	0.0	0.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	23.0
MAX	0.0	0.0	0.0	6.0	16.0	57.0	121.0	78.0	45.0	13.0	7.0	0.0	171.0
PROM	0.0	0.0	0.0	0.9	4.3	23.1	35.7	19.0	12.0	2.8	1.8	0.0	83.1
DESV	0.0	0.0	0.0	2.3	7.0	18.5	47.0	27.9	19.4	5.2	3.5	0.0	77.8
CV	-1.0	-1.0	-1.0	2.6	1.6	0.8	1.3	1.5	1.6	1.8	2.0	-1.0	0.9

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3 HOYA 304 ELQUI SUP 9794 (KM2)

EST 11 MOLINC DE YACO

LAT 2958 LON 7012 ALT 1200 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1958	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.5	1.0	0.0	0.0	-1.0
1959	0.0	0.0	1.0	11.0	0.0	9.0	0.0	31.0	0.0	0.0	-1.0	0.0	-1.0
1960	0.0	0.0	1.0	0.0	0.0	23.0	4.0	5.0	0.0	0.0	0.0	0.0	33.0
1961	0.0	0.0	1.0	0.0	0.5	0.0	26.6	19.5	0.0	26.0	0.0	0.0	73.0
1962	0.0	4.0	0.0	0.0	0.0	0.0	4.0	2.0	0.0	19.0	0.0	0.0	29.0
1963	0.0	8.0	0.0	0.0	7.0	33.0	19.0	21.0	30.0	0.0	0.0	0.0	118.0
1964	0.0	0.0	1.0	0.0	0.0	8.0	3.0	4.0	0.0	0.5	0.0	0.0	16.5
1965	9.0	2.0	0.0	8.0	4.0	5.0	49.0	44.0	1.0	0.0	-1.0	-1.0	-1.0
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	16.5
MAX	9.0	8.0	1.0	11.0	7.0	33.0	49.0	44.0	30.0	26.0	0.0	0.0	118.0
PROM	1.3	2.0	0.6	2.7	1.6	11.1	15.1	18.1	3.9	5.8	0.0	0.0	53.9
DESV	3.4	3.1	0.5	4.7	2.8	12.4	17.9	15.7	10.5	10.5	0.0	0.0	41.6
CV	2.6	1.5	0.9	1.7	1.7	1.1	1.2	0.9	2.7	1.8	-1.0	-1.0	0.8

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 304 ELQUI

SUP 9794 (KM2)

EST 12 RIVADAVIA

LAT 2958 LON 7035 ALT 818 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1916	0.0	0.0	0.0	0.0	0.0	0.0	5.4	7.5	8.0	0.5	0.0	0.0	21.4
1917	0.0	0.0	0.0	0.0	0.0	37.0	8.0	0.0	19.5	0.0	0.0	0.0	64.5
1918	0.0	0.0	0.0	0.0	3.0	27.0	42.0	38.0	26.5	0.0	0.0	0.0	136.5
1919	0.0	0.0	0.0	0.0	192.5	3.0	40.0	0.0	0.0	0.0	0.0	0.0	235.5
1920	0.0	0.0	0.0	0.0	13.0	0.0	27.0	9.0	0.0	9.0	0.0	13.0	71.0
1921	0.0	0.5	0.0	0.0	131.0	26.5	0.0	33.0	7.5	0.0	0.0	0.0	198.5
1922	0.0	0.0	0.0	0.0	3.0	81.0	0.0	114.0	14.5	0.0	0.0	0.0	212.5
1923	0.0	0.0	0.0	0.0	0.0	4.0	55.5	36.5	0.0	0.0	0.0	0.0	96.0
1924	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
1925	0.0	0.0	0.0	0.0	0.5	0.0	25.7	2.0	0.0	5.5	0.0	0.0	33.7
1926	0.0	0.0	0.0	0.0	20.0	125.0	145.5	0.5	0.0	0.0	0.0	0.0	291.0
1927	0.0	10.8	0.0	0.0	1.0	104.0	46.0	0.0	7.0	0.0	0.0	0.0	168.8
1928	0.0	0.0	0.0	4.5	17.5	78.0	22.0	0.0	0.0	0.0	0.0	0.0	122.0
1929	0.0	0.0	0.0	0.0	32.0	147.0	6.0	1.0	0.0	0.0	0.0	0.0	186.0
1930	0.0	0.0	10.0	0.0	1.0	0.0	66.5	150.0	73.5	0.0	0.0	0.0	301.0
1931	0.0	0.0	0.0	25.0	0.0	21.3	17.0	17.5	0.0	5.0	0.9	0.0	86.7
1932	0.0	0.0	0.0	0.1	25.5	61.0	10.0	35.5	0.0	0.0	0.0	0.0	132.1
1933	0.0	13.0	0.0	0.0	11.0	4.0	27.0	0.0	0.0	0.0	0.0	0.0	55.0
1934	0.0	0.0	0.0	0.0	233.0	64.0	4.0	7.0	0.0	0.0	0.0	0.0	308.0
1935	0.0	0.0	0.0	0.0	0.0	6.0	37.0	2.0	0.0	20.0	0.0	0.0	65.0
1936	0.0	0.0	0.0	0.0	0.0	0.0	50.0	23.0	0.0	8.5	0.0	0.0	81.5
1937	0.0	0.0	0.0	0.0	1.0	27.0	26.3	12.1	44.3	0.0	0.0	0.0	110.7
1938	0.0	0.0	75.0	0.0	62.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	137.5
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	0.0	0.0	0.0	0.0	12.0	46.0	77.0	40.0	8.0	0.0	0.0	0.0	183.0
1941	0.0	0.0	0.0	0.0	10.0	19.0	86.0	131.0	0.0	0.0	0.0	0.0	246.0
1942	0.0	0.0	0.0	0.0	24.0	66.0	-1.0	64.0	10.0	8.0	0.0	0.0	-1.0
1943	0.0	0.0	0.0	0.0	18.5	49.2	16.0	25.7	4.0	4.3	0.0	0.0	117.7
1944	0.0	0.0	0.0	22.5	36.5	105.1	0.0	0.0	0.0	5.5	0.0	0.0	169.6
1945	0.0	32.5	0.0	0.0	0.0	0.0	0.0	18.0	8.3	0.0	0.0	0.0	58.8
1946	0.0	0.0	0.0	0.0	30.0	35.3	0.0	0.0	0.0	0.0	0.0	0.0	65.3
1947	0.0	0.0	0.0	0.0	0.0	5.0	7.0	24.0	0.0	0.0	0.0	0.0	36.0
1948	0.0	0.0	0.0	0.0	8.3	3.0	92.8	13.0	0.0	0.0	0.0	0.0	117.1
1949	0.0	0.0	0.0	0.0	17.0	14.0	78.8	75.0	0.0	0.0	0.0	0.0	184.8
1950	0.0	0.0	0.0	-1.0	27.0	0.0	0.0	0.0	13.5	4.0	-1.0	0.0	-1.0
1951	1.0	0.0	0.0	3.6	10.0	15.0	24.3	1.0	0.0	0.0	0.0	0.0	54.9
1952	0.0	3.0	0.0	0.0	56.5	49.6	47.0	12.5	3.5	0.0	0.0	0.0	172.1
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	1.0	32.5	75.0	25.0	233.0	147.0	145.5	150.0	73.5	20.0	0.9	13.0	308.0
PROM	0.0	1.7	2.4	1.6	27.7	34.0	31.1	24.8	6.9	2.0	0.0	0.4	132.9
DESV	0.2	6.0	12.6	5.6	52.2	39.8	33.9	37.8	14.7	4.1	0.2	2.2	82.0
CV	6.0	3.6	5.3	3.5	1.9	1.2	1.1	1.5	2.1	2.1	5.9	6.0	0.6

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 304 ELQUI

SUP 9794 (KM2)

EST 13 RIVADAVIA

LAT 2958 LON 7030 ALT 950 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1938	-1.0	-1.0	-1.0	-1.0	89.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	-1.0
1939	0.0	0.0	0.0	0.0	0.4	46.0	5.0	0.0	0.0	10.0	0.0	6.0	65.4
1940	0.0	0.0	0.0	0.0	12.0	46.5	72.0	34.0	4.0	0.0	0.0	0.0	168.5
1941	0.0	0.0	1.0	8.5	47.0	18.5	84.5	126.5	0.0	0.0	0.0	0.0	286.0
1942	0.0	0.0	0.0	0.0	24.0	20.0	17.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1955	0.0	0.0	0.0	0.0	10.5	0.0	13.0	25.4	0.0	1.8	0.0	0.0	50.7
1956	0.0	0.0	2.0	0.0	2.2	0.0	35.0	16.6	6.8	0.0	0.0	0.0	62.6
1957	0.0	0.0	0.0	0.0	94.7	5.3	48.8	17.6	5.5	0.0	0.0	24.3	196.2
1958	0.0	0.0	3.1	0.0	0.0	8.5	7.6	6.7	0.5	1.7	0.0	0.0	28.1
1959	0.0	0.0	0.0	23.5	1.5	58.0	6.3	34.5	0.0	0.0	0.0	0.0	123.8
1960	0.0	0.0	0.0	0.0	0.0	28.0	1.2	1.0	1.0	0.0	0.0	0.0	31.0
1961	0.0	0.0	0.0	0.0	0.5	3.0	27.2	45.8	0.0	6.0	0.0	0.0	82.5
1962	0.0	2.0	0.0	0.0	1.0	1.0	1.0	3.0	0.0	22.0	0.0	0.0	30.0
1963	0.0	0.0	0.0	0.0	5.0	50.0	54.0	26.5	47.0	1.0	6.0	0.0	189.5
1964	0.0	0.0	1.2	0.0	0.0	52.7	5.5	17.0	0.0	0.0	0.0	0.0	76.4
1965	0.0	0.0	0.0	6.0	11.5	4.0	118.5	65.5	6.5	2.2	0.0	0.0	214.2
1966	0.0	0.0	0.0	5.0	-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	0.7	0.0	0.0	0.0	0.0	0.0	28.1
MAX	0.0	2.0	3.1	23.5	94.7	58.0	118.5	126.5	47.0	22.0	6.0	24.3	286.0
PROM	0.0	0.1	0.5	2.7	18.7	21.3	31.1	28.0	4.8	3.0	0.4	2.0	114.6
DESV	0.0	0.5	0.9	6.2	31.1	22.0	35.4	33.0	12.0	6.0	1.5	6.4	82.2
CV	-1.0	4.0	2.0	2.3	1.7	1.0	1.1	1.2	2.5	2.0	3.9	3.1	0.7

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 3 HOYA 304 ELQUI SUP 9794 (KM2) 297.
 EST 15 ELQUI ENALMENDRAL
 LAT 2959 LON 7053 ALT 430 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1958	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	-1.0
1959	0.0	0.0	0.0	22.0	0.0	36.0	2.0	47.0	0.0	0.0	0.0	-1.0	-1.0
1960	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0
1961	0.0	0.0	0.0	0.0	0.0	22.0	10.0	83.0	0.0	10.0	-1.0	0.0	-1.0
1962	0.0	0.0	0.0	0.0	0.0	8.0	0.0	3.0	0.0	13.0	0.0	0.0	24.0
1963	0.0	0.0	0.0	0.0	12.0	36.0	40.0	26.0	37.0	0.0	9.0	0.0	160.0
1964	0.0	0.0	0.0	0.0	0.0	12.0	9.0	12.0	0.0	0.0	0.0	0.0	33.0
1965	0.0	0.0	0.0	5.5	13.0	3.0	113.0	55.0	0.0	0.0	0.0	0.0	189.5
1966	0.0	0.0	0.0	2.0	32.5	65.5	11.0	0.0	0.0	2.0	0.0	0.0	113.0
1967	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
MIN	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0
MAX	0.0	0.0	0.0	22.0	32.5	65.5	113.0	83.0	37.0	13.0	9.0	0.0	189.5
PROM	0.0	0.0	0.0	3.7	7.2	24.6	23.1	28.3	4.1	2.8	1.1	0.0	88.9
DESV	0.0	0.0	0.0	7.6	11.7	20.5	38.5	30.6	12.3	5.0	3.2	0.0	75.8
CV	-1.0	-1.0	-1.0	2.1	1.6	0.8	1.7	1.1	3.0	1.8	2.8	-1.0	0.9

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3 HOYA 304 ELQUI SUP 97.94 (KM2)

EST 16 DIAGUITAS RETEN

LAT 3000 LON 7039 ALT 706 (MTS)

ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	0.0	0.0	1.0	0.0	5.0	5.0	0.4	9.0	0.0	29.0	0.0	0.0	49.4
1963	0.0	0.0	0.0	0.0	9.0	54.0	55.0	29.0	73.0	1.0	10.0	0.0	231.0
1964	0.0	0.0	1.0	0.0	0.0	98.0	22.0	26.0	0.0	0.0	0.0	0.0	146.0
1965	0.0	0.0	0.0	4.4	19.0	-1.0	121.8	64.8	0.0	0.0	5.3	0.0	-1.0
1966	0.0	0.0	0.0	4.0	0.0	69.0	71.0	54.0	0.0	0.0	0.0	3.1	201.1
1967	0.0	0.0	0.0	0.0	0.0	82.0	2.0	1.2	40.0	6.8	0.0	0.0	132.0
1968	0.0	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.5	0.0	0.0	0.0	21.8
MIN	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	21.8
MAX	0.0	0.0	1.0	4.4	19.0	98.0	121.8	64.8	73.0	29.0	10.0	3.1	231.0
PROM	0.0	0.0	0.3	1.2	4.7	54.9	38.9	26.3	16.2	5.3	2.2	0.4	130.2
DESV	0.0	0.0	0.5	2.1	7.2	35.8	46.2	25.4	29.1	10.8	4.0	1.2	82.1
CV	-1.0	-1.0	1.7	1.7	1.5	0.7	1.2	1.0	1.8	2.0	1.8	2.6	0.6

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 3 HOYA 304 ELQUI SUP 9794 (KM2)
 EST 17 EL TAMBO RETEN
 LAT 3000 LON 7048 ALT 548 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1964	0.0	0.0	0.0	0.0	0.0	31.0	12.0	19.0	0.0	0.0	0.0	0.0	62.0
1965	0.0	0.0	0.0	4.0	13.0	16.0	150.0	66.0	4.0	0.0	0.0	0.0	253.0
1966	0.0	0.0	0.0	5.0	0.0	54.0	62.0	16.0	0.0	0.0	0.0	0.0	137.0
1967	0.0	0.0	0.0	0.0	0.0	30.0	5.0	0.0	39.0	3.0	0.0	0.0	77.0
1968	0.0	0.0	0.0	0.0	0.0	26.5	0.0	0.0	0.7	0.0	0.0	0.0	27.2
MIN	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	27.2
MAX	0.0	0.0	0.0	5.0	13.0	54.0	150.0	66.0	39.0	3.0	0.0	0.0	253.0
PROM	0.0	0.0	0.0	1.8	2.6	31.5	45.8	20.2	8.7	0.6	0.0	0.0	111.2
DESV	0.0	0.0	0.0	2.5	5.8	13.9	63.3	27.1	17.0	1.3	0.0	0.0	88.6
CV	-1.0	-1.0	-1.0	1.4	2.2	0.4	1.4	1.3	1.9	2.2	-1.0	-1.0	0.8

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

```

*****
      ZONA 3      HOYA 304  ELQUI      SUP  97.94 (KM2)
      EST  18  VICUNA CAMPEX
      LAT 3002  LON 7044  ALT  650 (MTS)
*****
ANO  ENE  FEB  MAR  ABR  MAY  JUN  JUL  AG  SEP  OCT  NOV  DIC  TOT
*****
1968  0.0  0.0  0.0  0.0  0.0  21.8  0.0  0.0  -1.0  0.0  0.0  0.0  -1.0
*****

```

PRECIPITACIONES (MM)

ZONA 3

HOYA 304 ELCOI

SUP 9794 (KM2)

EST 19 PALHUANO

LAT 3002 LON 7030 ALT 1004 (MTS)

301.

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

1917	0.0	0.0	0.0	0.0	3.0	32.0	3.2	0.0	13.7	0.0	0.0	0.0	51.9
1918	0.0	0.0	0.0	0.0	1.0	24.0	22.6	0.7	25.4	0.0	0.0	0.0	77.7
1919	0.0	0.0	0.0	1.5	158.8	70.6	85.0	0.0	0.0	0.0	0.0	0.0	315.9
1920	0.0	0.0	0.0	0.0	7.0	0.0	15.0	0.0	0.0	0.0	0.0	2.0	24.0
1921	0.0	0.0	0.0	0.0	105.0	12.1	0.0	27.0	1.5	0.0	0.0	0.0	145.6
1922	0.0	0.0	0.0	0.0	3.5	50.5	0.0	64.0	5.5	0.0	0.0	0.0	123.5
1923	0.0	0.0	0.0	0.0	0.0	12.0	52.5	23.5	0.0	0.0	0.0	0.0	88.0
1924	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.0	0.0	0.0	0.0	9.0
1925	0.0	0.0	0.0	0.0	0.0	0.0	17.9	3.0	0.6	1.0	0.0	0.0	22.5
1926	0.0	6.0	0.0	0.0	5.2	81.9	99.1	0.0	0.0	0.0	0.0	0.0	192.2
1927	0.0	15.0	0.0	0.0	0.0	78.7	25.0	0.0	0.0	0.0	0.0	0.0	118.7
1928	0.0	0.0	0.0	1.0	12.5	42.0	1.6	0.0	0.0	0.0	0.0	0.0	56.5
1929	0.0	0.0	0.0	0.0	5.0	97.5	2.2	0.0	0.0	0.0	0.0	0.0	104.7
1930	0.0	0.0	5.8	0.0	0.0	0.0	49.7	86.4	15.6	0.0	0.0	0.0	157.5
1931	0.0	0.0	0.0	13.3	2.6	12.0	8.8	3.1	0.0	5.6	0.4	0.0	45.8
1932	0.0	0.0	0.0	0.8	14.0	42.8	7.3	17.8	0.0	0.0	0.0	0.0	82.7
1933	0.0	1.0	0.0	0.0	15.0	4.0	23.4	0.0	0.0	0.0	0.0	0.0	43.4
1934	0.0	0.0	0.0	0.0	144.0	36.0	0.0	2.7	0.0	0.0	3.0	0.0	185.7
1935	0.0	0.0	0.0	0.0	0.0	5.0	24.5	6.1	0.0	10.5	0.0	0.0	46.1
1936	0.0	0.0	0.0	0.0	0.0	0.0	31.0	8.6	0.0	7.5	0.0	0.0	47.1
1937	0.0	0.0	0.0	0.0	0.0	22.0	23.5	5.2	38.5	0.0	0.0	0.0	89.2
1938	0.0	0.0	11.0	0.0	75.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	87.5
1939	0.0	0.0	0.0	0.0	3.0	27.2	5.8	0.0	0.0	7.0	0.0	11.5	54.5
1940	0.0	0.0	0.0	0.0	4.5	36.7	55.7	38.4	2.5	0.0	0.0	0.0	137.8
1941	0.0	0.0	0.0	9.0	35.0	12.6	50.0	121.0	3.5	0.0	0.0	0.0	231.1
1942	0.0	0.0	0.0	0.0	32.0	54.8	24.5	44.0	5.5	10.0	0.0	0.0	170.8
1943	0.0	0.0	0.0	0.0	16.0	34.5	13.5	5.0	1.5	0.0	0.0	0.0	70.5
1944	2.0	0.0	0.0	22.0	30.7	94.4	0.0	4.3	0.0	2.6	0.0	0.0	156.0
1945	0.0	11.0	0.0	0.0	0.0	0.0	4.0	15.3	10.9	0.0	0.0	0.0	41.2
1946	0.0	0.0	0.0	0.7	26.0	32.0	1.6	0.0	0.0	0.0	0.0	0.0	60.3
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	1.5	0.0	6.0	1.0	74.5	2.8	0.0	0.0	0.0	0.0	85.8
1949	0.0	0.0	0.0	0.0	7.8	10.5	46.0	62.7	0.0	0.0	0.0	0.0	127.0
1950	0.0	0.0	0.0	0.0	26.2	0.0	0.0	0.0	35.8	0.8	0.0	0.0	62.8
1951	0.0	0.0	0.0	4.0	7.2	3.6	28.0	0.0	0.0	0.0	0.0	0.0	42.8
1952	0.0	8.5	0.0	0.0	40.0	36.5	35.0	2.0	-1.0	0.0	0.0	0.0	-1.0
1953	0.0	0.0	0.0	0.0	4.5	0.0	7.0	52.0	0.0	0.0	0.0	0.0	63.5
1962	0.0	0.0	0.0	0.0	0.0	0.6	1.0	1.0	0.0	20.0	0.0	0.0	22.6
1963	0.0	0.0	0.0	0.0	5.0	35.5	46.4	17.4	27.0	0.0	0.0	0.0	131.3
1964	0.0	0.0	8.0	0.0	0.0	38.0	5.0	10.0	0.0	0.0	0.0	0.0	61.0
1965	0.0	0.0	0.0	6.0	4.0	4.0	92.0	59.0	3.0	0.0	2.0	0.0	170.0
1966	0.0	0.0	0.0	4.5	0.0	17.0	7.5	0.5	0.0	0.0	1.5	0.0	31.0
1967	0.0	0.0	0.0	0.0	0.0	18.0	2.4	-1.0	8.0	0.0	0.0	0.0	-1.0
1968	0.0	0.0	0.0	0.0	1.0	6.0	0.0	0.0	1.7	0.0	0.0	0.0	8.7

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	8.7
MAX	2.0	15.0	11.0	22.0	158.8	97.5	99.1	121.0	38.5	20.0	3.0	11.5	315.9
PROM	0.0	0.9	0.6	1.4	18.2	24.7	22.8	16.6	4.9	1.5	0.2	0.3	92.4
DESV	0.3	3.1	2.2	4.1	35.9	27.1	26.8	27.2	9.8	3.9	0.6	1.8	65.5
CV	6.6	3.3	3.7	2.9	2.0	1.1	1.2	1.6	2.0	2.7	3.7	5.7	0.7

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 304 ELQUI

SUP 9794 (KM2)

EST 20 VICUÑA

LAT 3002 LON 7044 ALT 610 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1918	0.0	0.0	0.0	0.0	1.5	30.7	46.4	12.5	41.4	0.0	0.0	0.0	132.5
1919	0.0	0.0	0.0	0.0	202.1	112.4	85.7	1.4	0.0	0.0	0.0	0.0	401.6
1920	0.0	0.0	0.0	0.0	4.9	0.0	17.5	8.2	0.0	7.5	0.0	0.0	38.1
1921	0.0	0.0	0.0	0.0	125.7	26.2	0.0	23.4	15.7	0.0	0.0	0.0	191.0
1922	0.0	0.0	0.0	0.0	3.6	82.8	0.0	96.2	6.0	1.5	0.0	0.0	190.1
1923	0.0	0.0	0.0	0.0	0.0	11.0	73.5	42.0	0.0	3.0	0.0	0.0	129.5
1924	0.0	0.0	0.0	0.0	0.0	3.0	0.0	9.0	14.1	0.0	0.0	0.0	26.1
1925	0.0	0.0	0.0	0.0	0.0	0.0	15.8	0.0	0.0	0.0	0.0	0.0	15.8
1926	0.0	0.0	0.0	0.0	1.5	114.6	95.7	3.0	7.0	0.0	0.0	0.0	221.8
1927	0.0	0.0	0.0	0.0	7.0	128.0	32.0	0.0	0.0	0.0	0.0	0.0	167.0
1928	0.0	0.0	0.0	3.7	19.2	60.5	49.7	0.0	0.0	1.0	0.0	0.0	134.1
1929	0.0	0.0	0.0	0.0	9.0	105.1	21.0	9.0	0.0	2.0	0.0	0.0	146.1
1930	0.0	0.0	17.2	5.4	3.0	1.4	46.0	131.1	15.7	0.0	0.0	0.0	219.8
1931	0.0	0.0	0.0	28.0	0.0	22.5	28.5	30.0	0.0	2.2	22.0	0.0	133.2
1932	0.0	0.0	0.0	8.2	42.6	61.8	10.5	23.7	0.0	0.0	0.0	0.0	146.8
1933	0.0	1.5	0.0	0.0	34.8	9.4	21.5	1.2	0.9	0.0	0.0	0.0	69.3
1934	0.0	0.0	0.0	0.0	127.0	43.3	4.5	26.3	0.0	0.0	0.0	0.0	201.1
1935	0.0	0.0	0.0	0.0	0.0	10.0	34.0	12.0	0.0	29.4	0.0	0.0	85.4
1936	0.0	0.0	0.0	0.0	2.2	0.0	65.4	9.6	0.0	15.8	0.0	0.0	93.0
1937	0.0	0.0	0.4	0.0	5.0	39.6	24.5	3.5	55.1	0.0	0.0	0.0	128.1
1938	0.0	0.0	10.0	0.0	92.6	0.0	4.6	0.0	0.0	0.0	0.0	0.0	107.2
1938	0.0	0.0	10.0	0.0	92.6	0.0	4.6	0.0	0.0	0.0	0.0	0.0	107.2
1939	0.0	0.0	0.0	0.0	0.6	62.1	4.2	0.0	1.8	26.5	0.0	14.8	110.0
1940	0.0	0.0	0.0	0.0	28.1	75.1	95.9	53.0	4.0	0.8	0.0	0.0	256.9
1941	0.0	0.0	0.0	6.0	53.7	28.0	44.0	147.0	0.0	0.0	0.0	0.0	278.7
1942	0.0	0.0	0.0	0.0	21.1	60.4	36.1	47.0	10.9	41.4	0.0	0.0	216.9
1943	0.0	0.0	0.0	0.0	5.0	66.0	18.0	40.0	4.4	2.0	0.0	0.0	135.4
1944	2.0	1.0	0.0	40.0	44.0	137.0	3.0	11.0	0.0	15.0	0.0	0.0	253.0
1945	0.0	33.0	0.0	0.0	0.0	0.0	0.0	19.0	21.0	0.0	0.0	0.0	73.0
1946	0.0	0.0	0.0	0.0	36.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	79.0
1947	0.0	0.0	0.0	0.0	0.0	5.0	15.0	34.0	0.0	0.0	0.0	0.0	54.0
1948	0.0	0.0	3.0	0.0	4.0	17.0	56.0	8.0	0.0	0.0	0.0	0.0	88.0
1949	0.0	0.0	0.0	0.0	5.0	7.0	93.0	66.0	0.0	0.0	0.0	0.0	171.0
1950	0.0	0.0	0.0	14.5	26.4	0.0	0.7	0.0	14.2	0.0	3.0	0.0	58.8
1951	0.0	0.0	0.0	21.9	13.5	10.8	25.0	6.0	2.7	0.0	0.0	0.0	79.9
1952	0.0	2.7	0.0	0.0	48.2	45.6	54.4	6.2	26.8	0.0	0.0	0.0	183.9
1953	0.0	0.0	0.0	1.2	1.4	23.7	7.6	43.9	0.0	1.5	0.0	0.0	79.3
1954	0.0	2.3	0.0	4.4	22.6	54.5	9.2	15.5	0.0	0.0	0.0	0.0	108.5
1955	0.0	0.0	0.0	0.0	16.3	0.0	5.2	20.8	0.0	13.2	0.0	0.0	55.5
1956	0.0	0.0	22.3	0.0	5.8	0.0	17.4	19.5	11.5	0.0	0.0	0.0	76.5
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	305.0
1958	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	173.0
1959	0.0	0.0	0.0	31.5	0.0	56.7	11.0	45.1	0.0	0.0	0.0	0.0	144.3
1960	0.0	0.0	0.0	0.0	0.0	18.5	4.7	0.0	0.0	0.0	0.0	0.0	23.2
1961	0.0	0.0	0.0	0.0	0.0	14.0	26.0	88.5	0.0	15.0	0.0	0.0	143.5
1962	0.0	0.0	0.0	0.0	0.0	4.5	0.0	0.5	0.0	21.3	0.0	0.0	26.3
1963	0.0	0.0	0.0	0.0	16.0	37.2	44.5	27.7	67.8	0.0	15.0	0.0	208.2
1964	0.0	0.0	0.0	0.0	0.0	49.0	15.0	25.0	0.0	0.0	0.0	0.0	89.0
1965	0.0	0.0	0.0	6.0	13.0	0.0	131.0	61.0	3.0	0.0	2.0	0.0	216.0
1966	0.0	0.0	0.0	10.0	0.0	56.0	56.0	29.0	0.0	0.0	0.0	0.5	151.5

*: Valores anuales años 1957 y 1958 han sido estimados.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1967	0.0	0.0	0.0	0.0	5.0	33.0	6.7	1.0	36.0	6.0	1.0	0.0	88.7
1968	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8
MAX	2.0	33.0	22.3	40.0	202.1	137.0	131.0	147.0	67.8	41.4	22.0	14.8	401.6
PROM	0.0	0.8	1.3	3.6	23.3	36.0	29.8	25.6	7.2	4.2	0.9	0.3	137.5
DESV	0.3	4.7	4.3	8.7	40.5	37.2	31.2	33.1	14.6	9.0	3.8	2.1	79.1
CV	7.1	5.8	3.5	2.4	1.7	1.0	1.0	1.3	2.0	2.1	4.3	6.8	0.6

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZCNA 3 HOYA 304 ELQUI SUP 9794 (KM2)

EST 22 MAITENCILLO

LAT 3006 LON 7105 ALT 600 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	0.0	0.0	0.0	0.0	1.0	31.0	0.1	0.0	0.0	20.0	0.0	0.0	52.1
1963	0.0	0.0	0.0	0.0	13.0	16.0	40.0	27.0	94.0	5.0	9.0	0.0	204.0
1964	0.0	0.0	3.0	0.0	0.0	15.0	12.0	20.0	0.0	0.0	0.0	0.0	50.0
1965	0.0	0.0	0.0	-1.0	22.0	0.0	163.0	106.0	4.0	0.0	0.0	0.0	-1.0
1966	0.0	0.0	-1.0	0.0	0.0	76.0	59.0	2.0	0.0	0.0	0.0	0.0	-1.0
1967	0.0	0.0	0.0	0.0	0.0	25.0	12.0	0.0	47.0	6.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	50.0
MAX	0.0	0.0	3.0	0.0	22.0	76.0	163.0	106.0	94.0	20.0	9.0	0.0	204.0
PROM	0.0	0.0	0.6	0.0	6.0	27.2	47.7	25.8	24.2	5.2	1.8	0.0	102.0
DESV	0.0	0.0	1.3	0.0	9.4	26.1	60.5	40.9	38.9	7.8	4.0	0.0	88.3
CV	-1.0	-1.0	2.2	-1.0	1.6	1.0	1.3	1.6	1.6	1.5	2.2	-1.0	0.9

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 3 HOYA 304 ELQUI SUP 9794 (KM2)
 EST 23 HDA EL POZO
 LAT 3007 LON 7030 ALT 1150 (MTS)

AND	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1946	0.0	0.0	0.0	0.0	29.2	36.7	0.0	0.0	0.0	0.0	0.0	0.0	65.9
1947	0.0	0.0	0.0	0.0	0.0	2.0	8.8	44.1	0.0	0.0	0.0	0.0	54.9
1948	0.0	0.0	0.0	0.0	6.5	5.0	97.0	5.5	0.0	0.0	0.0	0.0	114.0
1949	0.0	0.0	0.0	0.0	5.5	12.5	64.7	61.0	0.0	0.0	0.0	0.0	143.7

PRECIPITACIONES (MM)

ZCNA 3

HOYA 304 ELQUI
EST 24 PISCO DE ELQUI
LAT 3007 LON 7032 ALT 1280 (MTS)

SUP 9794 (KM2)

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

1945	0.0	35.0	0.0	0.0	0.0	0.0	0.0	5.0	10.0	0.0	0.0	0.0	50.0
1946	0.0	0.0	0.0	1.0	22.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	51.0
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	0.0	6.0	0.0	103.0	0.0	0.0	0.0	0.0	0.0	109.0
1949	0.0	0.0	0.0	0.0	1.0	12.0	85.0	78.0	0.0	0.0	0.0	0.0	176.0
1950	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	29.0
1951	8.0	0.0	0.0	6.0	8.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	41.0
1952	0.0	3.0	0.0	0.0	19.0	88.0	26.0	1.0	13.0	0.0	0.0	0.0	153.0
1953	0.0	0.0	0.0	0.0	26.0	10.0	13.0	96.0	8.0	0.0	0.0	0.0	153.0
1954	0.0	0.0	0.0	5.0	47.0	78.0	7.0	0.0	0.0	0.0	0.0	0.0	137.0
1955	0.0	0.0	0.0	0.0	22.0	0.0	12.0	11.0	0.0	0.0	0.0	0.0	45.0
1956	0.0	0.0	4.0	0.0	2.0	0.0	17.0	53.0	0.0	0.0	0.0	0.0	76.0
1957	0.0	0.0	0.0	0.0	127.0	6.0	40.0	8.0	17.0	0.0	0.0	20.0	218.0
1958	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	4.0	0.0	0.0	16.0
1959	0.0	0.0	0.0	13.0	2.0	50.0	10.0	43.0	0.0	0.0	0.0	0.0	118.0
1960	0.0	0.0	0.0	0.0	0.0	102.0	0.0	6.0	0.0	0.0	0.0	0.0	108.0
1961	0.0	0.0	0.0	0.0	3.0	5.0	63.0	76.0	0.0	0.0	0.0	0.0	147.0
1962	0.0	0.0	0.0	0.0	0.0	5.0	10.0	2.0	0.0	0.0	0.0	0.0	0.0
1963	0.0	0.0	0.0	0.0	10.0	92.0	50.0	42.0	45.0	0.0	0.0	0.0	239.0
1964	0.0	0.0	0.0	0.0	60.0	14.0	20.0	0.0	3.0	0.0	0.0	0.0	97.0
1965	0.0	1.5	0.0	10.0	12.0	5.0	108.0	134.0	2.0	0.0	1.0	0.0	273.5
1966	0.0	0.0	0.0	3.0	0.0	57.0	20.0	1.0	0.0	0.0	1.0	0.0	82.0
1967	0.0	0.0	0.0	0.0	0.0	31.0	-1.0	0.0	30.0	0.0	0.0	0.0	-1.0
1968	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0

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	8.0	35.0	4.0	13.0	127.0	102.0	108.0	134.0	45.0	4.0	1.0	20.0	273.5
PROM	0.3	1.6	0.2	1.6	16.3	25.3	26.8	25.2	5.4	0.3	0.1	0.8	104.3
DESV	1.6	7.1	0.8	3.5	28.4	33.4	33.0	37.8	11.2	0.9	0.3	4.1	74.4
CV	4.9	4.3	4.9	2.2	1.7	1.3	1.2	1.5	2.1	3.6	3.4	4.9	0.7

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 304 ELQUI
EST 25 MONTE GRANDE
LAT 3008 LON 7031 ALT 1152 (MTS)

SUP 9794 (KM2)

307.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1958	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	-1.0
1959	0.0	0.0	0.0	12.0	2.0	36.0	4.0	18.0	0.0	0.0	0.0	0.0	72.0
1960	0.0	0.0	0.0	0.0	0.0	103.0	1.0	4.0	0.0	0.0	0.0	0.0	108.0
1961	0.0	0.0	0.0	0.0	0.5	1.0	29.0	26.0	0.0	1.0	0.0	0.0	57.5
1962	0.0	0.0	0.0	0.0	0.0	2.0	5.0	7.0	0.0	22.0	0.0	0.0	36.0
1963	0.0	0.0	0.0	0.0	4.5	29.0	49.0	17.0	35.0	0.0	0.0	0.0	134.5
1964	0.0	0.0	3.0	0.0	0.0	37.0	9.0	9.0	0.0	0.0	0.0	0.0	58.0
1965	0.0	3.0	0.0	8.0	7.0	4.0	74.0	94.0	0.0	0.0	2.0	0.0	192.0
1966	0.0	0.0	0.0	4.0	0.0	47.0	4.0	0.0	0.0	0.0	2.0	0.0	57.0
1967	0.0	0.0	0.0	0.0	0.0	19.0	48.0	0.0	12.5	0.0	0.0	0.0	79.5
1968	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0	0.0	10.0
MIN	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
MAX	0.0	3.0	3.0	12.0	7.0	103.0	74.0	94.0	35.0	22.0	2.0	0.0	192.0
PROM	0.0	0.3	0.3	2.4	1.4	28.5	22.3	17.5	4.6	2.1	0.4	0.0	80.4
DESV	0.0	0.9	0.9	4.3	2.4	31.0	26.2	28.3	10.8	6.6	0.8	0.0	52.4
CV	-1.0	3.2	3.2	1.8	1.7	1.1	1.2	1.6	2.3	3.2	2.2	-1.0	0.7

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3 HOYA 304 ELQUI SUP 9794 (KM2)

EST 26 EMBALSE PUCLARDO

LAT 3001 LON 7051 ALT 462 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	22.0	0.0	22.0	0.0	0.0	-1.0
1963	0.0	0.0	0.0	0.0	11.5	38.5	40.5	29.5	45.0	0.0	9.5	0.0	174.5
1964	0.0	0.0	0.0	0.0	0.0	17.5	9.0	13.0	0.0	0.0	0.0	0.0	39.5
1965	0.0	0.0	0.0	5.5	11.0	4.0	139.0	51.0	8.0	0.0	0.0	0.0	218.5
1966	0.0	0.0	0.0	0.0	0.0	0.0	54.5	13.5	0.0	0.0	0.0	0.0	67.9
1967	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
MIN	0.0	0.0	0.0	0.0	0.0	0.0	9.0	13.0	0.0	0.0	0.0	0.0	39.5
MAX	0.0	0.0	0.0	5.5	11.5	38.5	139.0	51.0	45.0	22.0	9.5	0.0	218.5
PROM	0.0	0.0	0.0	1.4	5.6	15.0	60.8	25.8	10.6	4.4	1.9	0.0	125.1
DESV	0.0	0.0	0.0	2.8	6.5	17.4	55.5	15.6	19.5	9.8	4.2	0.0	85.2
CV	-1.0	-1.0	-1.0	2.0	1.2	1.2	0.9	0.6	1.8	2.2	2.2	-1.0	0.7

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 3 HOYA 304 ELQUI SUP 9794 (KM2)
 EST 27 FDO LOS NICHOS
 LAT 3009 LON 7031 ALT 1310 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1946	0.0	0.0	0.0	0.0	29.0	50.0	3.0	0.0	0.0	0.0	0.0	0.0	82.0
1947	0.0	0.0	0.0	0.0	0.0	3.0	10.0	49.0	0.0	0.0	0.0	0.0	62.0
1948	0.0	0.0	2.0	0.0	8.5	17.0	137.0	6.5	0.0	0.0	0.0	0.0	171.0
1949	0.0	0.0	0.0	0.0	1.5	14.0	70.5	72.0	0.0	0.0	0.0	0.0	158.0
1950	0.0	0.0	0.0	0.0	37.0	0.0	0.0	0.0	0.0	1.5	2.5	0.0	41.0
1951	10.0	2.0	0.0	4.0	9.0	9.0	20.0	0.0	0.0	0.0	0.0	0.0	54.0
1952	0.0	2.3	0.0	0.0	58.0	51.0	37.0	3.5	9.0	0.0	0.0	0.0	160.8
1953	0.0	0.0	0.5	0.0	23.5	19.0	11.3	102.5	2.5	0.0	0.0	0.0	159.3
1954	0.0	1.0	1.3	5.0	35.0	75.5	14.0	0.0	0.0	0.0	0.0	0.0	135.8
1955	0.0	0.0	0.0	0.0	14.0	0.0	6.0	6.0	0.0	1.0	0.0	0.5	27.5
1956	0.0	0.0	1.0	0.0	1.7	0.0	11.5	30.5	0.5	0.0	0.0	0.0	45.2
1957	0.0	0.0	0.0	0.0	113.0	24.5	36.0	28.0	16.0	0.5	0.0	21.0	199.0
1958	0.0	0.0	1.0	0.0	0.0	1.5	1.0	0.0	0.0	5.0	0.0	0.0	17.5
1959	0.0	0.0	0.0	10.0	2.0	62.0	10.0	43.0	0.0	0.0	0.0	0.0	139.0
1960	0.0	0.0	2.0	0.0	0.0	6.0	1.0	0.3	0.0	0.0	0.0	0.0	9.3
1961	0.0	0.0	0.0	0.0	1.0	8.0	33.0	45.0	0.0	4.0	0.0	0.0	91.0
1962	0.0	0.0	0.0	0.0	0.5	15.0	5.0	3.0	0.0	20.0	0.0	0.0	49.5
1963	0.0	0.0	0.0	0.0	10.0	100.0	47.0	33.0	43.5	0.0	0.0	0.0	233.5
1964	0.0	0.0	3.0	0.0	0.0	56.0	14.0	15.0	0.0	3.0	0.0	0.0	91.0
1965	2.0	0.0	0.0	0.0	14.0	5.0	118.0	175.0	0.0	0.0	0.0	0.0	314.0
1966	0.0	0.0	0.0	3.0	0.0	57.0	20.0	1.0	0.0	0.0	1.0	0.0	82.0
1967	3.0	0.0	0.0	0.0	0.0	33.0	2.0	0.0	26.0	0.0	0.0	0.0	64.0
1968	0.0	0.0	0.0	0.0	0.5	9.0	0.0	0.0	7.0	0.0	0.0	0.0	16.5
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	9.3
MAX	10.0	2.3	3.0	10.0	113.0	100.0	137.0	175.0	43.5	20.0	2.5	21.0	314.0
PROM	0.7	0.2	0.5	1.0	15.6	26.8	26.4	26.7	4.5	1.5	0.2	0.9	104.5
DESV	2.2	0.6	0.8	2.4	26.3	28.3	36.5	42.3	10.6	4.3	0.6	4.4	77.9
CV	3.3	2.8	1.8	2.5	1.7	1.1	1.4	1.6	2.3	2.8	3.6	4.7	0.7

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONCCIDOS

PRECIPITACIONES (MM)

 ZONA 3 HOYA 304 ELQUI SUP 9794 (KM2)
 EST 28 EMBALSE LA LAGUNA
 LAT 3013 LON 7003 ALT 3100 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1964	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	-1.0
1965	42.0	0.0	0.0	17.0	0.0	4.0	75.5	162.4	0.0	0.0	9.0	0.0	309.9
1966	0.0	0.0	0.0	0.0	0.0	-1.0	0.0	6.0	0.0	1.0	4.0	0.0	-1.0
1967	0.0	0.0	0.0	0.0	25.5	20.0	0.0	6.0	6.5	0.0	2.5	1.0	61.5
1968	5.0	0.0	1.5	0.5	10.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	29.0
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	29.0
MAX	42.0	0.0	1.5	17.0	25.5	20.0	75.5	162.4	6.5	5.0	9.0	1.0	309.9
PROM	11.8	0.0	0.4	4.4	7.1	9.0	15.1	34.9	1.3	1.2	3.1	0.2	133.5
DESV	20.3	0.0	0.8	8.4	11.2	8.9	33.8	71.3	2.9	2.2	3.7	0.4	153.7
CV	1.7	-1.0	2.0	1.9	1.6	1.0	2.2	2.0	2.2	1.8	1.2	2.2	1.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS