

PLUVIOMETRIA DE CHILE

ANEXO 1

HOYAS HIDROGRÁFICAS N° 306 - 307
Rios Choapa (306) y Aconcagua (307)

OCTUBRE 1971

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CORFO

ESTADÍSTICAS PLUVIOMÉTRICAS

Anexo 1.

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

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

Esta Publicación consta de un Tomo y dos Anexos.-

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

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

PRECIPITACIONES (MM)

ZONA 3

HOYA 306 CHOAPA

SUP 8239 (KM2)

EST 1 CANELA ALTA

LAT 3125 LON 7122 ALT 500 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1939	0.0	0.0	0.0	0.0	17.0	10.0	0.0	6.0	11.0	23.0	0.0	19.0	86.0
1940	0.0	5.0	0.0	0.0	40.0	84.0	82.0	53.0	7.0	9.0	0.0	0.0	280.0
1941	0.0	0.0	0.0	72.0	56.0	14.0	139.0	143.0	0.0	0.0	0.0	0.0	424.0
1942	0.0	0.0	0.0	0.0	20.0	50.0	45.0	106.0	9.0	22.0	30.0	0.0	282.0
1943	0.0	0.0	0.0	0.0	32.0	22.0	13.0	55.0	1.0	0.0	0.0	0.0	123.0
1944	0.0	1.0	0.0	25.0	37.0	100.0	21.0	84.0	0.0	23.0	0.0	0.0	291.0
1945	0.0	60.0	0.0	0.0	0.0	0.0	0.0	50.0	23.0	0.0	0.0	0.0	133.0
1946	0.0	0.0	0.0	11.0	37.0	48.0	6.0	28.0	0.0	0.0	0.0	0.0	130.0
1947	0.0	0.0	0.0	0.0	0.0	38.0	64.0	20.0	0.0	2.3	0.0	0.0	124.3
1948	0.0	0.0	0.0	18.0	54.0	32.0	76.0	5.0	0.0	0.0	0.0	0.0	185.0
1949	0.0	0.0	0.0	0.0	29.0	24.0	33.1	21.0	0.0	0.0	0.0	0.0	107.1
1950	0.0	0.0	0.0	41.0	88.0	0.0	0.0	2.0	14.0	0.0	21.0	0.0	166.0
1951	0.0	0.0	0.0	6.0	35.0	42.0	54.0	0.0	18.0	0.0	0.0	0.0	155.0
1952	0.0	0.0	0.0	0.0	73.0	78.5	30.0	21.0	10.0	0.0	0.0	0.0	212.5
1953	0.0	0.0	0.0	33.0	27.0	27.0	55.0	113.0	29.0	0.0	0.0	0.0	284.0
1954	0.0	0.0	0.0	34.0	63.0	89.0	28.0	30.0	0.0	0.0	0.0	0.0	244.0
1955	0.0	0.0	0.0	10.0	42.0	16.0	22.0	31.0	0.0	30.0	0.0	0.0	151.0
1956	0.0	0.0	30.0	0.0	0.0	7.0	55.0	53.0	40.0	0.0	0.0	0.0	185.0
1957	0.0	0.0	0.0	0.0	286.0	5.0	77.0	12.0	16.0	0.0	0.0	30.0	426.0
1958	0.0	0.0	0.0	0.0	23.0	80.0	60.0	52.0	7.0	0.0	0.0	0.0	222.0
1959	0.0	0.0	0.0	15.0	4.0	69.0	19.0	32.0	0.0	0.0	0.0	0.0	139.0
1960	0.0	0.0	0.0	0.0	12.0	30.0	23.0	18.0	0.0	0.0	0.0	0.0	83.0
1961	0.0	0.0	0.0	0.0	0.0	105.1	25.0	90.0	0.0	5.0	0.0	0.0	225.1
1962	0.0	0.0	0.0	0.0	0.0	48.0	0.0	0.0	0.0	7.0	0.0	0.0	55.0
1963	15.0	0.0	0.0	0.0	25.0	15.0	38.0	36.0	105.0	0.0	0.0	0.0	234.0
1964	0.0	0.0	0.0	0.0	0.0	35.0	9.0	35.0	0.0	0.0	0.0	0.0	79.0
1965	0.0	0.0	0.0	9.0	30.0	2.0	178.0	165.0	0.0	0.0	0.0	0.0	384.0
1966	0.0	0.0	0.0	6.5	0.0	94.0	55.0	7.1	0.0	0.0	1.7	0.0	164.3
1967	0.0	0.0	0.0	0.0	0.0	26.0	29.0	8.5	20.0	0.0	0.0	0.0	83.5
1968	0.0	0.0	0.0	0.0	0.0	28.0	0.0	5.0	9.0	0.0	0.0	0.0	42.0
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	42.0
MAX	15.0	60.0	30.0	72.0	286.0	105.1	178.0	165.0	105.0	30.0	30.0	30.0	426.0
PROM	0.5	2.2	1.0	9.3	34.3	40.6	41.2	42.7	10.6	4.0	1.8	1.6	190.0
DESV	2.7	11.0	5.5	16.7	53.3	32.3	40.7	43.2	20.6	8.5	6.6	6.4	102.8
CV	5.5	5.0	5.5	1.8	1.6	0.8	1.0	1.0	1.9	2.1	3.7	3.9	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3 HOYA 306 CHOAPA SUP 8239 (KM2)

EST 2 CANELA BAJA

LAT 3126 LON 7127 ALT 320 (MTS)

AVO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1948	0.0	0.0	0.0	17.5	50.2	27.7	71.8	5.5	0.0	0.0	0.0	0.0	172.7
1949	0.0	0.0	0.0	0.0	32.6	23.6	33.1	21.5	0.0	0.0	0.0	0.0	110.8
1950	0.0	0.0	0.0	41.1	93.4	0.0	0.0	1.6	19.8	7.8	15.4	0.0	179.1
1951	0.0	0.0	0.0	6.5	33.5	43.6	48.6	0.0	18.4	0.0	0.0	0.0	150.6
1952	0.0	0.0	0.0	0.0	76.1	91.5	31.5	11.7	4.0	0.0	0.0	0.0	214.8
1953	0.0	0.0	0.0	22.0	32.2	9.0	40.0	106.5	23.5	0.0	0.0	0.0	233.2
1954	0.0	0.0	0.0	31.1	45.0	92.5	19.4	18.6	0.0	0.0	0.0	0.0	206.6
1955	0.0	0.0	0.0	10.0	31.0	4.6	16.6	34.0	0.0	19.0	0.0	0.0	115.2
1956	0.0	0.0	36.0	3.5	0.0	5.0	54.0	41.0	32.0	0.0	0.0	0.0	171.5
1957	0.0	0.0	0.0	0.0	260.5	5.5	104.0	8.0	10.0	0.0	0.0	34.5	422.5
1958	0.0	0.0	0.0	0.0	33.0	76.0	44.6	33.8	0.0	0.0	0.0	0.0	187.4
1959	0.0	0.0	0.0	13.0	0.0	62.0	17.0	30.0	0.0	0.0	0.0	0.0	122.0
1960	0.0	0.0	0.0	0.0	13.0	31.0	15.0	25.0	0.0	0.0	0.0	0.0	84.0
1961	0.0	0.0	0.0	0.0	1.0	141.0	24.0	77.0	0.0	6.0	0.0	0.0	249.0
1962	0.0	0.0	0.0	0.0	1.0	54.5	1.0	3.0	4.5	10.0	0.0	0.0	74.0
1963	8.0	0.0	0.0	0.0	28.0	16.0	31.5	49.0	96.0	0.0	0.0	0.0	228.5
1964	0.0	0.0	0.0	0.0	0.0	43.0	12.0	48.5	0.0	0.0	0.0	0.0	103.5
1965	0.0	0.0	0.0	6.0	21.0	1.5	209.5	141.5	0.0	0.0	0.0	0.0	379.5
1966	0.0	0.0	0.0	7.0	0.0	127.0	47.5	9.5	0.0	0.0	0.0	0.0	191.0
1967	0.0	0.0	0.0	0.0	0.0	34.0	36.0	8.5	27.0	0.0	0.0	0.0	105.5
1968	0.0	0.0	0.0	0.0	0.0	41.0	0.0	7.0	7.0	0.0	0.0	0.0	55.0
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	55.0
MAX	8.0	0.0	36.0	41.1	260.5	141.0	209.5	141.5	96.0	19.0	15.4	34.5	422.5
PROM	0.4	0.0	1.7	7.5	35.8	44.3	40.8	32.4	11.5	2.0	0.7	1.6	178.9
DESV	1.7	0.0	7.9	11.6	57.7	41.0	46.0	36.5	22.0	4.9	3.4	7.5	92.6
CV	4.6	-1.0	4.6	1.5	1.6	0.9	1.1	1.1	1.9	2.4	4.6	4.6	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZCNA 3 HCYA 306 CHCAPA SUP. 8239 (KM2)
 EST 4 STA VIRGINIA C CAREN FFCF CGA TIFC PV
 LAT 3132 LCN 7C52 ALT 1000 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEPT	OCT	NOV	DIC	TOT
1918	-1.0	-1.0	-1.0	-1.0	18.0	74.5	53.0	30.0	45.0	0.0	0.0	0.0	-1.0
1919	0.0	0.0	0.0	0.0	169.0	157.5	40.0	4.0	19.0	0.0	0.0	0.0	389.0
1920	0.0	0.0	0.0	0.0	74.0	0.0	57.0	0.0	0.0	0.0	0.0	0.0	131.0
1921	0.0	0.0	0.0	0.0	263.5	32.0	0.0	28.0	12.5	0.0	0.0	0.0	336.0
1922	0.0	0.0	10.5	0.0	13.0	60.5	43.5	-1.0	-1.0	0.0	0.0	0.0	-1.0
1923	0.0	0.0	0.0	0.0	0.0	35.0	19.0	26.0	0.0	0.0	0.0	0.0	80.0
1924	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	0.0	0.0	0.0	44.0
1925	0.0	0.0	0.0	0.0	16.5	0.0	49.5	0.0	20.0	27.0	0.0	0.0	113.0
1926	0.0	0.0	0.0	0.0	220.0	179.0	117.0	28.0	6.0	0.0	0.0	0.0	352.0
1927	0.0	0.0	0.0	0.0	231.0	117.0	28.0	71.0	3.0	0.0	0.0	0.0	210.0
1928	0.0	0.0	0.0	34.0	230.0	73.0	56.0	0.0	0.0	12.0	0.0	0.0	203.0
1929	0.0	0.0	0.0	0.0	28.0	118.0	40.0	55.0	15.0	0.0	0.0	0.0	256.5
1930	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
1931	-1.0	-1.0	-1.0	-1.0	8.5	66.5	89.5	44.5	60.0	0.0	15.0	0.0	-1.0
1932	0.0	0.0	0.0	0.0	61.0	73.0	17.0	64.0	3.0	0.0	-1.0	0.0	227.0
1933	12.0	8.5	0.0	0.0	4.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
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	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1936	0.0	0.0	0.0	0.0	6.8	27.0	45.0	40.0	27.5	16.0	0.0	0.0	-1.0
1937	0.0	0.0	0.0	0.0	225.0	4.5	39.0	18.0	12.0	0.0	0.0	0.0	222.0
1938	0.0	0.0	5.4	0.0	131.5	43.5	28.0	-1.0	-1.0	-1.0	-1.0	-1.0	139.0
1939	-1.0	-1.0	-1.0	-1.0	16.0	70.5	7.0	11.5	0.0	22.0	31.0	0.0	-1.0
1940	0.0	0.0	0.0	0.0	44.0	99.0	15.0	72.0	6.5	0.0	0.0	0.0	245.0
1941	0.0	0.0	0.0	11.7	35.0	-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	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1943	-1.0	-1.0	-1.0	-1.0	19.5	60.5	9.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1944	0.0	0.0	0.0	11.0	60.0	56.0	29.0	8.0	0.0	0.0	0.0	0.0	164.0
1945	0.0	0.0	0.0	0.0	13.0	43.0	53.0	57.0	0.0	6.0	0.0	0.0	266.0
1946	0.0	0.0	0.0	14.0	36.0	28.0	9.0	11.0	10.0	4.0	0.0	0.0	204.0
1947	0.0	0.0	0.0	0.0	58.0	73.0	0.0	3.0	22.0	16.0	20.0	0.0	192.0
1948	0.0	0.0	0.0	0.0	42.0	50.0	86.0	50.0	0.0	0.0	0.0	0.0	228.0
1949	0.0	0.0	0.0	0.0	6.0	14.0	12.0	10.0	15.0	0.0	0.0	0.0	113.0
1950	0.0	0.0	0.0	0.0	0.0	32.0	58.0	47.0	21.0	26.0	0.0	0.0	192.0
1951	0.0	0.0	0.0	0.0	47.0	22.5	46.0	105.0	36.0	0.0	0.0	0.0	251.0
1952	0.0	0.0	0.0	47.0	72.0	6.5	9.0	0.0	0.0	0.0	0.0	0.0	193.0
1953	0.0	0.0	0.0	0.0	51.0	7.0	16.0	27.0	4.0	31.0	0.0	0.0	136.0
1954	0.0	0.0	4.4	0.0	12.0	0.0	46.0	74.0	15.0	0.0	0.0	0.0	191.0
1955	0.0	0.0	0.0	0.0	223.0	16.0	45.0	19.0	21.0	0.0	0.0	14.0	338.0
1956	0.0	0.0	0.0	0.0	37.0	6.0	43.0	30.0	0.0	0.0	0.0	0.0	116.0
1957	0.0	0.0	17.0	0.0	228.0	6.5	20.0	60.0	0.0	0.0	0.0	0.0	208.0
1958	0.0	0.0	0.0	0.0	20.0	55.5	15.0	20.0	18.0	0.0	0.0	0.0	128.0
1959	0.0	0.0	0.0	0.0	0.0	181.0	21.0	152.5	0.0	2.5	0.0	0.0	382.5
1960	0.0	0.0	0.0	0.0	0.0	40.0	0.0	6.0	0.0	0.0	0.0	0.0	52.0
1961	0.0	0.0	0.0	0.0	4.0	59.0	71.0	48.0	221.0	4.0	42.0	0.0	511.0
1962	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0
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	151.0	20.0	56.0	0.0	0.0	0.0	0.0	227.0

570.

	ENC	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TCT
1965	0.0	0.0	0.0	25.0	35.0	0.0	140.0	148.0	6.0	18.0	13.0	0.0	389.0
1966	0.0	0.0	0.0	6.0	0.0	83.0	120.0	20.0	0.0	0.0	6.0	0.0	235.0
1967	0.0	0.0	0.0	0.0	2.5	30.0	62.0	10.0	47.0	4.0	0.0	0.0	155.5
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
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	44.0
MAX	17.0	8.5	54.5	58.0	263.5	181.0	140.0	152.5	221.0	60.0	42.0	14.0	511.0
FRCM	0.7	0.5	3.1	6.4	41.2	54.6	43.5	26.7	18.4	7.1	2.1	0.5	217.2
DESV	3.2	1.8	10.5	13.3	55.7	48.3	24.0	26.6	26.3	14.0	8.5	2.4	103.1
CV	4.6	3.5	3.5	2.1	1.4	0.5	0.8	1.0	2.0	2.0	2.5	4.8	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORREGIDOS

PRECIPITACIONES (MM)

ZONA 3 HCYA 306 CHOAPA SUP 8239 (KM2)
 EST 5 FCA ILLAPEL FLINTIL PRCP CGA TIPC PV
 LAT 3134 LON 7058 ALT 692 (MTS)

ANC	ENE	FEB	MAR	APR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1941	-1.0	-1.0	-1.0	-1.0	30.5	54.5	58.6	63.5	7.5	5.0	0.0	0.0	-1.0
1942	C.C	C.C	0.0	15.5	15.5	6.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1943	-1.0	-1.0	-1.0	-1.0	12.5	55.0	C.C	C.C	1.9	-1.0	-1.0	-1.0	-1.0
1944	-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
1945	-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
1946	-1.0	-1.0	-1.0	-1.0	41.0	40.0	26.0	23.0	3.0	0.0	0.0	0.0	-1.0
1947	C.C	C.C	C.C	C.C	2.0	41.0	56.0	28.0	0.0	45.6	C.C	C.C	175.6
1948	C.C	0.0	1.5	27.0	66.0	21.0	57.0	8.5	0.0	0.0	0.0	0.0	231.0
1949	C.C	0.0	C.C	0.0	24.0	34.0	52.0	75.0	35.0	0.0	C.C	C.C	196.0
1950	5.0	123.0	0.0	0.0	10.0	32.0	12.0	20.0	0.0	0.0	0.0	0.0	258.0
1951	0.0	C.C	C.C	20.0	24.0	6.0	70.0	8.0	23.0	0.0	0.0	0.0	214.0
1952	0.0	3.0	C.C	0.0	49.0	95.0	71.0	25.0	26.0	6.0	0.0	C.C	275.0
1953	0.0	0.0	C.C	80.0	36.0	37.0	19.0	210.0	48.0	0.0	0.0	0.0	430.0
1954	C.C	C.C	0.0	71.0	114.0	70.0	46.0	36.0	0.0	0.0	0.0	0.0	337.0
1955	C.C	0.0	0.0	0.0	66.0	10.0	36.0	35.0	6.0	42.0	0.0	0.0	195.0
1956	C.C	0.0	4.0	C.C	6.0	C.C	56.0	48.0	26.0	0.0	0.0	C.C	184.0
1957	0.0	0.0	C.C	C.C	410.0	15.0	70.0	30.0	20.0	C.C	C.C	20.0	565.0
1958	0.0	0.0	C.C	C.C	58.0	128.0	25.0	45.0	10.0	0.0	0.0	C.C	276.0
1959	C.C	C.C	C.C	12.0	25.0	86.0	22.0	54.0	C.C	0.0	0.0	0.0	239.0
1960	C.C	0.0	C.C	0.0	19.0	47.0	8.0	12.0	28.0	3.0	C.C	0.0	117.0
1961	0.0	C.C	C.C	C.C	0.0	163.0	28.0	80.0	0.0	64.0	0.0	C.C	335.0
1962	0.0	0.0	C.C	0.0	0.0	108.0	6.0	18.0	0.0	10.0	0.0	C.C	142.0
1963	3.0	C.C	C.C	C.C	28.0	48.0	71.0	70.0	210.0	10.0	21.0	C.C	488.0
1964	0.0	C.C	C.C	C.C	0.0	94.0	33.0	60.0	0.0	0.0	0.0	C.C	187.0
1965	C.C	0.0	C.C	17.0	37.0	0.0	174.0	220.0	C.C	0.0	0.0	C.C	448.0
1966	C.C	0.0	C.C	14.0	0.0	83.0	120.0	20.0	0.0	0.0	6.0	C.C	247.0
1967	C.C	C.C	C.C	0.0	0.0	65.0	80.0	7.0	57.0	C.C	0.0	C.C	209.0
MIN	0.0	0.0	C.C	0.0	0.0	0.0	C.C	C.C	0.0	0.0	0.0	0.0	117.0
MAX	58.0	123.0	48.0	158.5	410.0	163.0	174.0	220.0	210.0	64.0	21.0	20.0	565.0
PRCM	4.0	5.7	2.3	18.3	43.4	61.3	54.6	49.8	19.4	8.1	1.2	C.5	273.6
DES	13.6	26.2	10.2	38.4	81.1	39.6	41.1	56.4	43.7	17.5	4.5	4.2	119.3
CV	3.4	4.6	4.5	2.1	1.9	0.6	0.8	1.1	2.2	2.2	3.8	4.8	C.4

372.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORRIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 306 CHOAPA

SUP 8239 (KM2)

373.

EST 6 MINCHA

LAT 3134 LON 7127 ALT 50 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1939	0.0	0.0	0.0	0.0	16.7	87.3	20.2	12.8	11.6	20.7	0.0	24.8	194.1
1940	0.0	0.3	0.0	0.0	17.6	67.0	59.8	42.9	9.9	4.0	0.0	0.0	201.5
1941	0.0	0.0	2.6	80.9	55.0	29.1	130.8	126.7	0.0	0.0	0.8	0.0	425.9
1942	0.0	0.0	0.0	0.0	22.0	60.5	59.7	103.3	7.1	15.4	46.4	0.0	314.4
1943	0.0	0.0	6.0	-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	0.6	43.0	0.0	2.0	0.0	12.3	0.0	0.0	57.9
1963	1.3	0.0	0.0	0.0	33.0	13.5	71.0	102.0	97.0	0.0	0.0	0.0	317.8
1964	0.0	0.0	0.0	0.0	0.0	34.5	15.0	42.0	0.0	0.0	0.0	0.0	91.5
1965	0.0	0.0	0.0	-1.0	-1.0	-1.0	227.0	-1.0	0.0	0.0	0.0	0.0	-1.0
1966	0.0	0.0	0.0	30.5	0.0	74.5	45.5	3.0	0.0	0.0	0.0	2.5	156.0
1968	0.0	0.0	0.0	0.0	0.0	33.0	0.0	13.0	11.0	-1.0	0.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	13.5	0.0	2.0	0.0	0.0	0.0	0.0	57.9
MAX	1.3	0.3	6.0	80.9	55.0	87.3	227.0	126.7	97.0	20.7	46.4	24.8	425.9
PROM	0.1	0.0	0.8	12.4	16.1	49.2	62.9	49.7	13.7	5.8	4.7	3.0	219.9
DESV	0.4	0.1	1.9	27.6	18.9	24.3	69.9	48.5	29.7	8.1	14.6	8.2	124.7
CV	3.3	3.3	2.4	2.2	1.2	0.5	1.1	1.0	2.2	1.4	3.1	2.7	0.6

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 3 HOYA 306 CHOAPA SUP 8239 (KM2)
 EST 7 HUENTELAUQUEN
 LAT 3135 LON 7132 ALT 20 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	JOT
1945	0.0	82.2	0.0	3.0	0.0	0.0	8.0	43.7	21.3	0.0	0.0	0.0	158.2
1946	0.0	0.3	0.0	9.0	30.0	50.0	14.0	24.0	0.0	0.0	0.0	0.0	127.3
1947	0.0	0.0	0.0	0.0	0.0	33.0	52.0	23.0	0.0	27.0	0.0	0.0	195.0
1948	0.0	0.0	0.0	22.0	42.0	28.0	57.0	6.0	0.0	0.0	0.0	0.0	155.0
1949	0.0	0.0	0.0	0.0	28.0	73.5	43.0	26.5	0.0	0.0	0.0	0.0	171.0
1950	0.0	0.0	0.0	38.7	116.3	0.0	0.0	0.0	16.4	1.5	12.2	0.0	185.1
1951	0.0	0.0	0.0	13.0	56.0	36.6	57.9	4.2	13.1	0.0	0.0	0.0	180.8
1952	0.0	0.0	0.0	0.0	70.7	121.4	28.0	13.7	3.0	0.0	0.0	0.0	236.8
1953	0.0	0.0	0.0	24.3	50.9	16.7	57.0	102.3	18.0	0.0	0.0	0.0	269.2
1954	-1.0	-1.0	-1.0	55.5	-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	16.4	64.5	10.8	8.0	28.0	-1.0	-1.0	-1.0	-1.0	-1.0
1956	0.0	0.0	33.0	5.0	-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	1.0	22.5	0.0	1.2	0.0	10.0	0.0	34.7
1963	0.0	0.0	0.0	0.0	38.0	14.5	61.0	71.5	125.3	0.0	0.0	0.0	310.3
1964	0.0	0.0	0.0	0.0	0.0	2.0	-1.0	29.0	1.5	-1.5	-1.0	-1.0	-1.0
1965	0.0	-1.0	0.0	6.0	13.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1966	0.0	0.0	0.0	32.2	0.0	-1.0	-1.0	-1.0	-1.0	3.5	8.0	-1.0	-1.0
1968	0.0	0.0	-1.0	0.0	-1.0	33.0	0.0	3.0	12.0	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	34.7
MAX	0.0	82.2	33.0	55.5	116.3	121.4	61.0	102.3	125.3	27.0	12.2	0.0	310.3
PROM	0.0	5.2	2.1	12.5	34.0	31.6	29.7	26.9	16.2	3.1	1.6	0.0	178.5
DESV	0.0	20.5	8.3	16.2	33.9	32.9	25.5	29.2	33.7	7.4	3.9	0.0	74.3
CV	-1.0	4.0	4.0	1.3	1.0	1.0	0.9	1.1	2.1	2.4	2.5	-1.0	0.4

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 306 CHOAPA

SUP 8239 (KM2)

375.

EST 11 HDA SAN AGUSTIN

LAT 3143 LON 7050 ALT 1020 (MTS)

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

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DEC	TOT
1920	0.0	0.0	0.0	0.0	57.0	3.0	40.7	0.0	0.0	4.0	0.0	19.7	124.4
1921	0.0	0.0	0.0	0.0	157.7	78.0	0.0	34.2	13.1	0.0	0.0	0.0	283.0
1922	0.0	0.0	0.0	0.0	11.5	140.0	42.0	85.0	20.0	19.5	0.0	0.0	318.0
1923	0.0	0.0	0.0	0.0	0.0	55.0	92.8	57.6	0.0	13.8	0.0	0.0	219.2
1924	-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
1925	-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
1926	-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
1927	0.0	0.0	0.0	0.0	51.0	148.5	74.0	32.0	39.0	0.0	0.0	0.0	344.5
1928	0.0	0.0	0.0	35.0	66.0	128.0	51.5	5.0	4.0	0.0	0.0	0.0	289.5
1929	0.0	0.0	0.0	0.0	42.5	176.0	39.0	102.0	9.0	4.0	0.0	2.0	374.5
1930	0.0	0.0	27.0	67.0	109.0	91.0	143.0	175.5	123.0	40.5	12.0	0.0	788.0
1931	9.0	0.0	0.0	28.0	3.5	95.0	94.0	62.5	101.0	0.0	15.0	0.0	408.0
1932	0.0	2.0	0.0	4.0	72.0	89.0	25.0	100.0	0.0	0.0	0.0	0.0	292.0
1933	15.0	0.0	0.0	0.0	34.0	85.0	17.5	39.0	2.0	0.0	0.0	0.0	192.5
1934	0.0	0.0	0.0	0.0	229.0	133.0	0.0	3.0	25.0	17.0	0.0	0.0	407.0
1935	0.0	0.0	0.0	0.0	14.0	38.0	99.0	35.0	0.0	0.0	0.0	0.0	186.0
1936	0.0	0.0	0.0	0.0	101.5	4.0	72.2	66.2	20.5	3.5	0.0	0.0	267.9
1937	0.0	0.0	0.0	0.0	14.0	52.0	53.0	60.0	17.0	19.0	0.0	0.0	215.0
1938	0.0	0.0	68.0	0.0	156.0	75.0	23.0	0.0	0.0	12.0	0.0	0.0	334.0
1939	0.0	0.0	0.0	0.0	12.5	77.0	10.0	11.0	18.0	20.0	0.0	30.0	178.5
1940	0.0	0.0	0.0	5.0	56.0	89.0	144.0	67.0	6.0	7.0	0.0	0.0	374.0
1941	0.0	0.0	0.0	114.0	84.0	93.0	68.0	212.0	0.0	2.0	6.0	0.0	579.0
1942	0.0	0.0	0.0	0.0	42.0	73.0	54.0	173.0	16.0	20.0	23.0	0.0	401.0
1943	0.0	0.0	18.0	0.0	18.0	66.0	19.0	63.0	1.5	11.0	0.0	0.0	196.5
1944	0.0	1.0	0.0	14.0	37.0	124.5	25.5	164.5	6.0	31.0	0.0	0.0	413.5
1945	0.0	74.0	0.0	0.0	0.0	0.0	6.5	36.0	19.0	0.0	0.0	0.0	135.5
1946	0.0	0.0	0.0	15.0	45.5	36.0	33.0	8.0	1.5	0.0	0.0	0.0	139.0
1947	0.0	0.0	0.0	6.2	0.0	74.0	63.0	55.0	0.0	47.0	0.0	0.0	245.2
1948	0.0	0.0	5.0	22.9	6.6	36.0	120.0	6.5	5.0	5.0	0.0	0.0	261.0
1949	0.0	0.0	0.0	0.0	48.5	60.5	94.5	50.5	3.0	0.0	0.0	0.0	257.0
1950	4.2	0.0	0.0	52.0	113.8	0.0	0.0	13.0	34.0	11.8	16.5	0.0	245.3
1951	0.0	0.0	0.0	10.0	24.5	47.5	76.5	17.0	18.0	0.0	0.0	0.0	193.5
1952	0.0	24.0	0.0	0.0	49.0	53.3	54.5	15.3	33.3	6.7	0.0	0.0	236.1
1953	0.0	0.0	0.0	14.7	42.4	26.2	52.8	149.8	46.6	7.3	0.0	0.0	339.8
1954	0.0	0.0	8.0	57.6	86.0	74.2	31.0	16.9	0.0	0.0	0.0	0.0	273.7
1955	0.0	0.0	0.0	3.0	60.5	6.7	36.3	34.5	6.1	34.3	0.0	0.0	181.4
1956	0.0	0.0	44.4	10.5	0.0	3.8	58.5	58.5	16.5	6.3	0.7	0.0	199.2
1957	0.0	0.0	0.0	0.0	273.4	23.8	50.0	20.7	30.3	2.0	0.0	47.0	447.2
1958	0.0	0.0	0.0	0.0	54.0	84.5	33.0	41.7	5.5	5.5	0.0	0.0	224.2
1959	0.0	0.0	0.0	7.8	28.3	103.5	28.6	61.0	0.0	0.0	0.0	0.0	229.2
1960	0.0	0.0	0.0	0.0	23.3	40.0	9.0	13.3	18.8	2.6	0.0	0.0	107.0
1961	0.0	0.0	0.0	0.0	5.5	166.5	29.0	98.0	3.5	28.5	0.0	0.0	331.0
1962	0.0	0.0	0.0	0.0	0.0	93.0	6.5	9.5	0.0	14.0	0.0	0.0	123.0
1963	20.0	0.0	0.0	0.0	22.0	57.0	49.0	60.0	193.0	9.0	10.0	0.0	420.0
1964	0.0	0.0	0.0	0.0	0.0	96.0	18.5	90.0	0.0	0.0	0.0	0.0	204.5
1965	0.0	0.0	0.0	20.0	33.5	0.0	189.5	163.5	0.0	0.0	0.0	0.0	406.5
1966	0.0	0.0	0.0	12.5	0.0	135.0	96.4	29.5	0.0	0.0	2.6	0.0	276.0
1967	0.0	0.0	0.0	2.0	0.0	24.0	84.0	9.9	43.0	2.3	0.0	0.0	165.2
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	54.5

MIN	MAX	PROM	DESV	CV
0.0	20.0	1.1	3.9	3.6
0.0	74.0	2.2	11.5	5.1
0.0	68.0	3.8	12.7	3.4
0.0	114.0	11.1	22.4	2.0
0.0	273.4	50.8	59.2	1.2
0.0	176.0	70.1	46.6	0.7
0.0	189.5	53.5	41.8	0.8
0.0	212.0	57.9	54.0	0.9
0.0	193.0	20.0	36.1	1.8
0.0	47.0	9.0	11.8	1.3
0.0	23.0	1.9	5.1	2.7
0.0	47.0	2.2	8.6	3.9
0.0	788.0	280.0	131.2	0.5

*: Valor anual año 1968 ha sido estimado.

PRECIPITACIONES (MM)

 ZONA 3 HOYA 306 CHOAPA SUP 8239 (KM2)
 EST 12 CHOAPA EN MAL PASO
 LAT 3145 LON 7106 ALT 330 (MTS)

ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1960	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	9.0	3.0	0.0	0.0	-1.0
1961	0.0	0.0	3.0	0.0	13.0	189.0	19.0	102.0	6.0	25.0	0.0	3.0	360.0
1962	0.0	0.0	0.0	0.0	1.0	128.0	5.0	8.0	3.0	17.0	0.0	0.0	162.0
1963	8.0	0.0	0.0	0.0	28.0	80.0	85.0	72.0	117.0	15.0	3.0	0.0	408.0
1964	0.0	0.0	0.0	0.0	0.0	69.0	15.0	89.0	0.0	0.0	0.0	0.0	173.0
1965	0.0	0.0	0.0	15.0	35.0	5.0	190.0	178.0	0.0	0.0	0.0	0.0	423.0
1966	0.0	0.0	0.0	15.0	3.0	116.0	79.0	25.0	-1.0	-1.0	0.0	3.0	-1.0
1967	0.0	0.0	0.0	0.0	6.0	36.0	86.0	8.0	-1.0	-1.0	-1.0	-1.0	-1.0
1968	-1.0	-1.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	5.0	5.0	8.0	0.0	0.0	0.0	0.0	162.0
MAX	8.0	0.0	3.0	15.0	35.0	189.0	190.0	178.0	117.0	25.0	3.0	3.0	423.0
PROM	1.1	0.0	0.4	3.8	10.8	89.0	68.4	68.9	22.5	8.6	0.4	0.9	305.2
DESV	3.0	0.0	1.1	6.9	13.6	61.4	64.3	61.6	46.4	10.3	1.1	1.5	127.9
CV	2.6	-1.0	2.8	1.9	1.3	0.7	0.9	0.9	2.1	1.2	2.6	1.7	0.4

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZCNA 3 HCYA 306 CFCAPA SLP 8235 (KM2)

EST 14 LAS CASAS FLINTIL PRCP QMC TIPC PV

LAT 3146 LON 7059 ALT 692 (MTS)

ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1946	0.0	0.0	0.0	25.0	41.0	40.0	26.0	23.0	3.0	0.0	0.0	0.0	158.0
1947	0.0	0.0	1.5	27.0	66.0	31.0	57.0	6.5	0.0	0.0	0.0	0.0	231.0
1948	0.0	0.0	0.0	0.0	3.0	41.0	58.0	28.0	0.0	45.0	0.0	0.0	175.0
1949	0.0	0.0	0.0	0.0	0.0	24.0	52.0	35.0	0.0	0.0	0.0	0.0	195.0
1950	0.0	0.0	0.0	58.0	123.0	0.0	3.0	10.0	32.0	12.0	20.0	0.0	258.0
1951	0.0	0.0	0.0	20.0	24.0	69.0	70.0	8.0	23.0	0.0	0.0	0.0	214.0
1952	0.0	3.0	0.0	0.0	49.0	95.0	71.0	25.0	26.0	6.0	0.0	0.0	275.0
1953	0.0	0.0	0.0	80.0	36.0	37.0	19.0	210.0	48.0	0.0	0.0	0.0	430.0
1954	0.0	0.0	0.0	71.0	114.0	70.0	46.0	36.0	0.0	0.0	0.0	0.0	337.0
1955	0.0	0.0	0.0	0.0	66.0	10.0	26.0	35.0	6.0	42.0	0.0	0.0	195.0
1956	0.0	0.0	48.0	6.0	56.0	48.0	26.0	0.0	0.0	0.0	0.0	0.0	184.0
1957	0.0	0.0	0.0	0.0	41.0	15.0	70.0	30.0	20.0	0.0	0.0	20.0	565.0
1958	0.0	0.0	0.0	0.0	58.0	128.0	35.0	45.0	10.0	0.0	0.0	0.0	276.0
1959	0.0	0.0	0.0	12.0	25.0	86.0	22.0	94.0	0.0	0.0	0.0	0.0	239.0
1960	0.0	0.0	0.0	0.0	19.0	47.0	8.0	12.0	28.0	3.0	0.0	0.0	117.0
1961	0.0	0.0	0.0	0.0	0.0	163.0	28.5	80.5	0.0	64.0	0.0	0.0	256.0
1962	0.0	0.0	0.0	0.0	0.0	164.0	7.0	10.0	2.0	26.0	0.0	0.0	192.0
1963	12.0	0.0	0.0	0.0	24.0	51.0	69.0	66.0	170.0	10.0	3.0	0.0	405.0
1964	0.0	0.0	0.0	0.0	0.0	84.0	22.0	61.0	0.0	0.0	0.0	0.0	167.0
1965	0.0	0.0	0.0	14.0	31.0	5.0	181.0	171.0	0.0	1.0	0.0	0.0	402.0
1966	0.0	0.0	0.0	11.0	0.5	149.0	-1.0	30.0	0.0	0.0	-1.0	0.0	-1.0
1967	0.0	-1.0	0.0	0.0	2.0	28.0	67.0	7.1	34.0	6.4	0.0	0.0	-1.0
1968	0.0	0.0	0.0	2.0	0.0	28.0	0.0	13.0	11.0	0.0	0.0	0.0	54.0
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	54.0
MAX	12.0	3.0	48.0	80.0	410.0	164.0	181.0	210.0	170.0	64.0	20.0	20.0	565.0
PRCPM	0.5	0.1	2.2	14.2	51.4	62.7	47.1	45.0	18.0	9.4	1.0	0.9	253.6
DESV	2.5	0.6	10.0	23.8	85.4	48.7	40.6	52.3	36.1	17.7	4.3	4.2	118.3
CV	4.8	4.7	4.6	1.7	1.7	0.8	0.9	1.2	2.0	1.9	4.1	4.8	0.5

377.

NOTA: VALORES NEGATIVOS INDICAN DATOS DEFECTUOSOS

PRECIPITACIONES (MM)

ZONA 3 HOYA 306 CHOAPA SUP 8239 (KM2)
EST 15 SALAMANCA CIA TABACO
LAT 3146 LON 7059

ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
1968 -1.0 -1.0 0.0 2.0 0.0 28.0 0.0 17.0 13.0 0.0 0.0 0.0 -1.0

PRECIPITACIONES (MM)

ZONA 3

HOYA 306 CHOAPA
EST 16 SALAMANCA COLONIA

SUP 8239 (KM2)

379.

LAT 3147 LON 7101 ALT 479 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1942	0.0	0.0	0.0	0.0	44.5	67.1	85.7	158.5	32.0	21.5	33.0	0.0	442.3
1943	0.0	0.0	13.0	0.0	13.5	48.5	32.0	68.5	1.0	5.5	0.0	0.0	182.0
1944	0.0	9.0	0.0	17.0	60.0	116.0	31.5	127.0	0.0	34.5	0.0	0.0	395.0
1945	0.0	66.0	0.0	2.0	0.0	0.0	5.7	40.0	19.6	0.0	0.0	0.0	133.3
1946	0.0	0.0	0.0	13.5	32.5	37.5	29.0	17.0	0.0	0.0	0.0	0.0	129.5
1947	0.0	0.0	0.0	3.5	2.0	91.5	75.3	60.3	0.0	33.9	0.0	0.0	266.5
1948	0.0	0.0	0.0	21.0	81.8	43.3	112.6	11.5	3.0	1.3	0.0	0.0	274.5
1949	0.0	0.0	0.0	0.0	81.0	25.5	63.4	47.6	0.0	0.0	0.0	0.0	217.5
1950	0.0	0.0	0.0	51.5	108.5	0.5	0.0	12.0	39.0	10.0	24.2	0.0	245.7
1951	0.0	0.0	0.0	14.0	33.2	56.5	68.5	14.2	15.5	0.0	0.0	0.0	201.9
1952	0.0	2.0	0.0	0.0	36.5	82.5	57.0	11.5	30.0	0.0	0.0	0.0	219.5
1953	0.0	0.0	0.0	35.5	42.0	9.0	45.5	227.0	18.5	6.0	0.0	0.0	383.5
1954	0.0	0.0	5.0	62.0	86.0	67.0	29.5	18.0	0.0	0.0	0.0	0.0	267.5
1955	0.0	0.0	0.0	4.0	64.0	4.5	29.5	29.5	3.5	32.0	0.0	0.0	167.0
1956	0.0	0.0	37.5	0.0	7.0	4.0	27.5	55.0	20.0	0.0	0.0	0.0	151.0
1957	0.0	0.0	0.0	0.0	268.0	5.0	57.0	29.0	27.0	0.0	0.0	33.0	419.0
1958	0.0	0.0	0.0	0.0	60.0	105.0	40.0	39.0	0.0	5.0	0.0	0.0	249.5
1959	0.0	0.0	0.0	10.0	27.0	96.0	24.0	74.0	0.0	5.0	0.0	0.0	236.0
1960	0.0	0.0	0.0	2.0	21.5	57.5	18.0	17.0	12.0	3.5	0.0	0.0	131.5
1961	0.0	0.0	0.0	2.0	9.5	168.5	22.0	101.0	-1.0	46.0	0.0	0.0	-1.0
1962	0.0	0.0	0.0	0.0	3.0	157.5	5.5	10.5	0.0	14.0	0.0	0.0	196.0
1963	13.0	0.0	0.0	0.0	22.5	46.5	48.5	54.0	180.5	10.5	5.0	0.0	380.5
1964	0.0	0.0	0.0	0.0	0.0	75.0	22.0	61.5	0.0	0.0	0.0	0.0	158.5
1965	0.0	0.0	0.0	16.0	26.5	5.0	193.0	169.0	0.0	3.0	0.0	0.0	412.5
1966	0.0	0.0	0.0	12.5	0.0	147.7	108.0	32.8	0.0	0.0	0.0	0.0	301.0
1967	0.0	0.0	0.0	0.0	1.5	32.0	74.0	8.0	41.0	0.0	0.0	0.0	156.5
1968	0.0	0.0	0.0	0.0	0.0	28.0	0.0	18.0	12.0	0.0	0.0	0.0	58.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	58.0
MAX	13.0	66.0	37.5	62.0	268.0	168.5	193.0	227.0	180.5	46.0	33.0	33.0	442.3
PROM	0.5	2.9	2.1	9.9	41.9	58.4	48.3	56.0	17.5	8.6	2.3	1.2	245.2
DESV	2.5	12.7	7.6	16.2	54.8	49.3	41.9	55.7	35.9	13.2	7.7	6.4	105.1
CV	5.2	4.5	3.7	1.6	1.3	0.8	0.9	1.0	2.1	1.5	3.4	5.2	0.4

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA	3	HOYA	306	CHOAPA	SUP	8239	(KM2)							
		EST	17	EL TAMBO										
		LAT	3147	LON	7102	ALT	500 (MTS)							
AND	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT	
1940	0.0	0.0	0.0	7.0	32.0	109.5	99.5	68.0	18.1	0.0	0.0	0.0	334.7	
1941	0.0	0.0	0.0	117.5	75.0	113.5	82.5	204.9	0.0	0.0	0.0	0.0	593.4	
1942	0.0	0.0	0.0	0.0	38.0	71.5	89.0	116.0	14.0	28.5	28.0	0.0	385.0	
1943	0.0	0.0	4.5	0.0	20.5	54.0	24.5	68.0	0.0	5.5	0.0	0.0	177.0	
1944	0.0	7.0	0.0	20.0	61.0	116.0	34.0	152.0	0.0	23.0	0.0	0.0	413.0	
1945	0.0	67.0	0.0	0.0	0.0	0.0	4.5	67.2	15.0	0.0	0.0	0.0	153.7	
MIN	0.0	0.0	0.0	0.0	0.0	0.0	4.5	67.2	0.0	0.0	0.0	0.0	153.7	
MAX	0.0	67.0	4.5	117.5	75.0	116.0	99.5	204.9	18.1	28.5	28.0	0.0	593.4	
PROM	0.0	12.3	0.8	24.1	37.8	77.4	55.7	112.7	7.8	9.5	4.7	0.0	342.8	
DESV	0.0	26.9	1.8	46.4	27.1	45.6	39.5	56.8	8.7	12.9	11.4	0.0	163.0	
CV	-1.0	2.2	2.4	1.9	0.7	0.6	0.7	0.5	1.1	1.4	2.4	-1.0	0.5	

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 3		HOYA 306 CHOAPA			SUP 8239 (KM2)								
		EST 19 LA TRANQUILLA											
		LAT 3154 LON 7041 ALT 1160 (MTS)											
AÑO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	TOT
1940	-1.0	-1.0	-1.0	10.0	65.0	85.0	215.0	61.0	4.0	5.0	0.0	0.0	-1.0
1941	0.0	0.0	0.0	131.0	96.0	102.0	156.0	124.0	0.0	0.0	20.0	0.0	629.0
1942	0.0	0.0	0.0	0.0	43.0	25.0	37.0	130.0	7.0	16.0	41.0	0.0	299.0
1962	0.0	0.0	0.0	0.0	2.2	94.3	1.0	0.2	0.0	8.3	0.0	0.8	106.8
1963	17.8	0.0	1.0	0.0	25.3	56.9	58.8	59.9	259.9	22.2	13.7	0.0	515.5
1964	0.0	0.0	0.0	0.0	0.0	104.5	-1.0	-1.0	0.0	-1.0	-1.0	0.0	-1.0
1965	5.0	0.0	0.0	29.5	66.5	10.9	104.5	200.5	-1.0	14.3	12.0	0.0	-1.0
1966	0.0	0.0	0.0	22.0	9.0	177.8	158.5	60.4	0.0	2.2	14.5	8.1	452.5
1967	0.0	0.0	0.0	0.0	5.7	58.9	-1.0	14.0	41.0	2.3	0.0	0.0	-1.0
1968	0.0	0.0	0.3	3.6	0.0	36.9	0.0	23.5	39.0	0.0	0.0	0.0	103.3
1969	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	10.9	0.0	0.2	0.0	0.0	0.0	0.0	103.3
MAX	17.8	0.0	1.0	131.0	96.0	177.8	215.0	200.5	259.9	22.2	41.0	8.1	629.0
PROM	2.3	0.0	0.1	19.6	31.3	75.2	91.3	74.8	39.0	7.8	11.2	0.9	351.0
DESV	5.7	0.0	0.3	40.5	34.5	48.6	79.9	65.0	84.5	8.0	13.6	2.5	218.3
CV	2.5	-1.0	2.3	2.1	1.1	0.6	0.9	0.9	2.2	1.0	1.2	2.9	0.6

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS.

PRECIPITACIONES (MM)

ZONA 3 HOYA 306 CHOAPA SUP 8239 (KM2)

EST 20 COIRON

LAT 3154 LON 7047 ALT 800 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1942	2.0	0.0	0.0	0.0	40.0	85.0	61.0	239.0	26.0	24.0	59.0	0.0	536.0
1943	0.0	0.0	29.0	0.0	22.0	57.0	22.0	72.0	10.0	11.0	0.0	0.0	223.0
1944	0.0	15.0	0.0	19.0	50.0	197.5	29.5	237.8	0.0	46.3	0.0	0.0	595.1
1945	0.0	62.0	0.0	3.0	0.0	0.0	8.5	43.5	34.4	0.0	4.5	0.0	157.9
1946	0.0	0.0	0.0	12.5	44.0	55.1	42.0	7.5	2.5	0.0	0.0	0.0	163.6
1947	0.0	0.0	0.0	8.5	0.0	118.0	65.7	91.0	0.0	25.0	0.0	0.0	308.2
1948	0.0	0.0	6.3	47.0	102.5	51.5	183.0	13.0	0.0	0.0	0.0	0.0	403.3
1949	0.0	0.0	0.0	0.0	118.5	36.5	85.5	52.0	0.0	0.0	0.0	0.0	292.5
1950	0.0	0.0	0.0	85.0	161.0	0.0	0.0	17.0	59.0	15.0	23.0	0.0	360.0
1951	0.0	0.0	0.0	16.0	31.0	57.0	85.0	20.0	36.0	0.0	0.0	0.0	245.0
1952	0.0	13.0	0.0	0.0	56.0	64.0	3.0	19.0	9.6	12.0	0.0	0.0	177.6
1953	0.0	0.0	0.0	23.0	58.0	19.0	51.0	318.9	73.0	0.0	0.0	0.0	542.0
1954	0.0	0.0	0.0	76.0	98.0	78.0	40.0	25.0	0.0	0.0	0.0	0.0	323.0
1955	0.0	0.0	0.0	6.0	114.0	2.0	17.0	44.0	7.0	13.0	0.0	0.0	210.0
1956	0.0	0.0	33.0	0.0	20.0	0.0	63.5	75.5	13.0	10.0	0.0	6.0	221.0
1957	0.0	0.0	0.0	0.0	188.0	3.0	69.0	12.0	37.0	2.0	0.0	42.0	374.0
1958	0.0	0.0	0.0	46.0	74.0	29.0	43.0	7.0	0.0	0.0	0.0	0.0	197.0
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	204.5	6.5	10.0	1.5	14.0	0.0	0.0	236.5
1963	15.0	0.0	0.0	0.0	31.0	98.0	55.0	71.0	229.0	22.0	0.0	0.0	529.0
1964	0.0	0.0	0.0	0.0	0.0	112.0	31.0	68.0	0.0	0.0	0.0	0.0	211.0
1965	15.6	0.0	0.0	0.0	31.0	98.6	54.5	70.5	229.0	22.0	7.5	0.0	527.7
1966	0.0	0.0	0.0	13.0	2.0	184.0	139.0	50.0	0.0	0.0	9.0	8.0	405.0
1967	0.0	0.0	0.0	0.0	3.6	52.0	98.0	20.0	47.0	14.0	0.0	0.0	234.6
1968	0.0	0.0	0.0	2.0	0.0	24.0	0.0	25.0	20.0	0.0	0.0	0.0	71.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	71.0
MAX	15.6	62.0	34.0	85.0	188.0	204.5	183.0	318.9	229.0	46.3	59.0	42.0	595.1
PRDN	1.4	3.8	3.1	14.8	51.9	68.0	52.2	67.9	33.4	10.1	4.5	2.3	314.3
DESV	4.3	13.0	8.8	24.2	53.4	60.8	44.2	81.2	62.4	11.9	12.5	8.5	145.7
CV	3.2	3.5	2.8	1.6	1.0	0.9	0.8	1.2	1.9	1.2	2.8	3.7	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 3 HOYA 306 CHOAPA SUP 8239 (KM2)
 EST 21 CUNCUMEN
 LAT 3155 LON 7040 ALT 1000 (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	7.0	0.0	0.0	-1.0
1959	0.0	0.0	0.0	9.0	40.0	80.0	35.0	24.0	0.0	1.0	4.0	0.0	193.0
1960	0.0	0.0	0.0	0.0	11.0	125.0	16.0	7.0	3.0	0.0	0.0	0.0	162.0
1961	0.0	0.0	0.0	0.0	0.0	206.0	35.0	135.0	0.0	15.0	0.0	5.0	396.0
1962	0.0	0.0	4.0	0.0	7.0	97.0	11.0	10.0	0.0	8.0	0.0	0.0	137.0
1963	15.0	0.0	0.0	0.0	22.0	75.9	55.0	81.0	161.0	4.0	17.0	0.0	430.9
1964	5.0	0.0	0.0	0.0	0.0	103.0	20.0	43.0	0.0	0.0	0.0	0.0	171.0
1965	2.0	0.0	0.0	40.0	46.0	7.0	116.0	226.0	10.0	5.2	0.0	0.0	452.2
1966	0.0	0.0	0.0	8.0	10.0	163.0	99.0	44.0	0.0	0.0	9.0	0.0	333.0
1967	0.0	0.0	0.0	0.0	6.0	34.0	69.0	9.0	34.0	11.0	-1.0	-1.0	-1.0
1968	-1.0	-1.0	-1.0	5.0	0.0	20.0	0.0	-1.0	33.0	0.0	0.0	0.0	-1.0
1969	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	7.0	0.0	7.0	0.0	0.0	0.0	0.0	137.0
MAX	15.0	0.0	4.0	40.0	46.0	206.0	116.0	226.0	161.0	15.0	17.0	5.0	452.2
PROM	2.2	0.0	0.4	6.2	14.2	91.1	45.6	64.3	21.9	4.7	3.0	0.5	284.4
DESV	4.8	0.0	1.3	12.4	16.6	62.8	38.7	73.5	48.0	5.1	5.7	1.6	132.2
CV	2.2	-1.0	3.2	2.0	1.2	0.7	0.8	1.1	2.2	1.1	1.9	3.2	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 306 CHOAPA

SUP 8239 (KM2)

EST 22 ILLAPEL

LAT 3136 LON 7111 ALT 310 (MTS)

384.

AND	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1914	0.0	0.0	0.0	4.0	45.0	138.0	56.0	25.0	105.0	10.0	24.0	0.0	407.0
1915	0.0	0.0	0.0	0.0	73.0	77.0	0.0	3.0	0.0	0.0	0.0	0.0	153.0
1916	0.0	0.0	0.0	0.0	15.0	1.0	27.0	11.0	20.0	0.0	5.0	0.0	79.0
1917	0.0	1.0	0.0	2.0	18.0	72.0	7.0	0.0	66.0	0.0	0.0	0.0	166.0
1918	0.0	0.0	0.0	18.0	3.0	31.0	34.0	19.0	30.0	0.0	0.0	0.0	135.0
1919	0.0	0.0	0.0	0.0	136.0	153.0	81.0	6.0	4.0	0.0	0.0	0.0	390.0
1920	0.0	0.0	0.0	0.0	52.0	7.0	21.0	15.0	0.0	4.0	0.0	4.0	103.0
1921	0.0	0.0	0.0	0.0	246.0	39.0	0.0	10.0	2.0	0.0	0.0	0.0	297.0
1922	0.0	0.0	3.0	0.0	6.0	122.0	38.0	135.0	12.0	12.0	0.0	0.0	328.0
1923	0.0	0.0	0.0	0.0	0.0	39.0	69.0	53.0	0.0	7.0	0.0	0.0	168.0
1924	0.0	0.0	0.0	0.0	0.0	0.0	4.5	12.0	0.0	0.0	0.0	0.0	16.5
1925	0.0	0.0	0.0	5.0	20.0	0.0	42.0	1.0	17.0	23.0	0.0	0.0	108.0
1926	0.0	0.0	0.0	0.0	24.0	251.9	192.9	23.0	8.4	0.0	0.0	0.0	500.2
1927	0.0	0.0	0.7	0.0	57.5	123.9	61.0	23.0	8.4	0.3	0.1	0.0	274.9
1928	0.0	0.4	0.0	31.6	44.6	83.5	51.3	3.0	0.5	0.0	0.0	0.0	214.9
1929	2.0	0.0	0.0	0.0	13.0	116.0	19.5	57.5	11.0	0.0	0.0	0.0	219.0
1930	0.0	0.0	0.0	11.0	29.0	68.0	90.0	118.0	13.0	25.0	4.0	0.0	358.0
1931	0.0	0.0	0.0	18.0	3.0	76.0	62.0	48.0	46.0	0.0	5.0	0.0	258.0
1932	0.0	0.0	0.0	0.0	31.0	90.0	5.0	45.0	0.0	0.0	0.0	10.0	181.0
1933	16.0	8.0	0.0	0.0	23.0	40.0	16.0	15.0	0.0	2.0	0.0	0.0	120.0
1934	0.0	0.0	0.0	0.0	137.0	76.0	1.0	3.0	9.0	6.0	0.0	0.0	232.0
1935	0.0	0.0	0.0	0.0	4.2	24.0	44.7	15.1	1.7	44.0	0.0	0.0	133.7
1936	0.0	0.0	0.0	9.0	44.5	18.0	58.0	47.0	5.0	2.0	0.0	0.0	183.5
1937	0.0	0.0	0.0	0.0	2.0	39.2	45.0	72.6	7.2	4.8	0.0	0.0	170.8
1938	0.0	0.0	23.5	0.0	111.8	42.5	24.1	0.0	0.0	4.0	0.0	0.0	205.9
1939	0.0	0.0	0.0	0.0	14.5	70.2	0.7	9.0	14.8	21.0	0.0	24.5	154.7
1940	0.0	0.0	0.0	3.2	23.0	91.0	76.6	67.2	13.7	0.0	0.0	0.0	274.7
1941	0.0	0.0	0.0	81.0	80.6	31.8	63.6	135.9	0.0	0.0	0.0	0.0	392.9
1942	0.0	0.0	0.0	0.0	44.1	71.0	51.0	138.0	10.0	24.0	33.0	0.0	371.1
1943	0.0	0.0	5.6	0.0	27.0	42.0	31.0	44.0	1.0	1.0	0.0	0.0	151.6
1944	0.0	4.0	0.0	23.0	43.0	82.0	26.0	101.0	0.0	18.0	0.0	0.0	297.0
1945	0.0	57.0	0.0	1.5	0.0	0.0	3.0	35.0	17.0	0.0	0.0	0.0	113.5
1946	0.0	0.0	0.0	8.0	25.0	46.0	16.0	31.0	0.0	0.0	0.0	0.0	126.0
1947	0.0	0.0	0.0	5.0	0.0	76.0	90.0	60.0	0.0	30.0	0.0	0.0	261.0
1948	0.0	0.0	0.0	20.0	63.0	34.0	78.0	6.0	0.0	0.0	0.0	0.0	201.0
1949	0.0	0.0	0.0	0.0	26.5	41.1	48.0	23.5	0.0	0.0	0.0	0.0	139.1
1950	0.0	0.0	0.0	41.4	112.5	0.0	2.0	4.8	34.2	4.2	18.1	0.0	217.2
1951	0.0	0.0	0.0	14.0	56.8	44.5	74.6	3.2	14.4	0.0	0.0	0.0	207.5
1952	0.0	0.0	0.0	0.0	32.9	86.4	49.0	11.5	16.4	1.0	0.0	0.0	197.2
1953	0.0	0.0	0.0	38.8	46.2	14.6	53.5	127.0	28.8	0.9	0.0	0.0	309.8
1954	0.0	0.0	1.0	40.6	71.8	95.3	19.7	26.1	0.0	0.0	0.0	0.0	254.5
1955	0.0	0.0	0.0	3.0	54.5	3.0	23.6	22.0	8.3	29.5	0.0	0.0	143.9
1956	0.0	0.0	37.5	2.7	1.6	5.0	52.0	42.4	24.6	0.0	0.4	0.0	166.2
1957	0.0	0.0	0.0	0.0	248.0	10.8	61.6	11.7	19.5	0.0	0.0	22.8	374.4
1958	0.0	0.0	0.0	0.0	50.0	100.2	23.5	59.3	2.5	0.2	0.0	0.0	235.7
1959	0.0	0.0	0.0	12.5	14.6	66.1	11.5	30.0	0.0	0.0	0.0	0.0	134.7
1960	0.0	0.0	0.0	0.0	13.1	45.6	19.6	24.5	0.4	0.0	0.0	0.0	103.2
1961	0.0	0.0	0.0	0.0	2.9	115.9	15.7	73.8	1.8	16.3	0.0	0.4	226.8
1962	0.0	0.0	0.0	0.0	0.0	65.7	1.5	9.1	1.0	9.0	0.0	0.0	86.3
1963	11.2	0.0	0.0	0.0	19.8	17.3	49.9	51.9	104.8	3.4	5.1	0.0	263.4

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	49.0	10.0	46.0	1.0	0.0	0.0	0.0	105.2
1965	0.0	0.0	0.0	8.0	29.0	0.6	164.0	137.0	0.0	0.0	0.0	0.0	338.6
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	16.5
MAX	16.0	57.0	37.5	81.0	248.0	251.9	192.9	138.0	105.0	44.0	33.0	24.5	500.2
PRGM	0.6	1.4	1.4	7.7	43.1	58.3	41.6	40.2	13.1	5.8	1.8	1.2	216.1
DESV	2.7	8.0	6.1	15.1	53.4	48.4	38.1	40.4	22.7	10.1	6.1	4.8	100.7
CV	4.8	5.9	4.5	2.0	1.2	0.8	0.9	1.0	1.7	1.7	3.4	4.0	0.5

385.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 3 HOYA 306 CHOAPA SUP 8239 (KM2)
 EST 23 LIMAHUIDA
 LAT 3145 LGN 7110 ALT 293 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1964	0.0	0.0	0.3	0.0	0.0	58.2	13.0	55.5	0.0	0.0	0.0	0.0	127.0
1965	0.0	0.0	0.0	12.2	-1.0	4.0	200.4	-1.0	0.0	0.0	0.0	0.0	-1.0
1966	0.0	0.0	0.0	0.0	0.0	140.0	105.0	17.0	0.0	0.0	10.0	0.0	272.0
1967	0.0	0.0	0.0	0.0	0.0	32.0	59.0	15.0	40.0	0.0	0.0	0.0	146.0
1968	0.0	0.0	0.0	0.0	0.0	28.0	0.0	16.0	14.0	0.0	0.0	0.0	58.0
1969	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	4.0	0.0	15.0	0.0	0.0	0.0	0.0	58.0
MAX	0.0	0.0	0.3	12.2	0.0	140.0	200.4	55.5	40.0	0.0	10.0	0.0	272.0
PROM	0.0	0.0	0.0	2.4	0.0	52.4	75.5	25.9	10.8	0.0	2.0	0.0	150.8
DESV	0.0	0.0	0.1	5.5	0.0	52.6	81.2	19.8	17.4	0.0	4.5	0.0	89.2
CV	-1.0	-1.0	2.4	2.2	-1.0	1.0	1.1	0.8	1.6	-1.0	2.2	-1.0	0.6

386.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZCNA 4 HOYA 307 ACONCAGUA SUP 7575 (KM2)
EST 1 PORTILLO
LAT 3251 LON 7008 ALT 2850 (MTS)

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

1966 0.0 16.0 16.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0

PRECIPITACIONES (MM)														

ZONA	4		HOYA 307 ACONCAGUA		SUP 7575 (KM2)		EST 2 PUTAENDU E A P		LAT 3239		LON 7045		ALT 794 (MTS)	

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

1918	0.0	0.0	1.1	14.6	22.5	63.1	11.6	39.0	81.1	1.2	3.0	0.0	237.2	
1919	0.0	0.0	0.0	14.2	251.0	205.5	126.8	19.0	22.6	4.0	0.0	0.0	643.1	
1920	0.0	0.0	0.0	0.0	61.7	19.6	41.3	18.7	0.0	2.3	0.0	25.9	189.5	
1921	22.3	0.0	0.0	3.4	222.2	98.1	0.0	26.2	12.6	0.0	0.0	0.0	484.8	
1922	0.0	0.0	9.5	0.0	11.3	185.9	70.5	91.1	37.4	30.9	0.0	0.0	436.6	
1923	0.0	0.0	0.0	0.0	0.0	62.7	102.4	44.3	0.0	23.6	0.0	0.0	233.0	
1924	0.0	0.0	4.2	0.0	0.0	7.1	2.1	14.4	14.5	0.0	0.0	0.0	42.3	
1925	0.0	4.3	0.0	0.0	22.6	5.3	70.3	2.3	83.5	8.3	0.0	0.0	196.6	
1926	0.0	4.3	2.3	0.0	23.0	383.7	356.3	41.7	4.3	0.0	0.0	0.0	815.8	
1927	0.0	0.0	0.0	0.0	43.7	178.9	73.8	29.3	40.8	0.0	0.0	0.0	366.5	
1928	0.0	0.0	0.0	15.0	190.0	129.0	20.7	4.5	3.2	0.0	0.0	2.3	364.7	
1929	12.0	0.0	0.0	0.0	51.0	68.0	22.0	119.0	10.0	4.0	0.0	5.0	291.0	
1930	0.0	0.0	9.0	0.0	21.0	31.0	90.0	136.0	188.0	7.0	32.0	8.0	522.0	
1931	6.0	1.0	0.0	15.0	18.0	41.0	121.0	47.0	57.0	0.0	24.0	0.0	330.0	
1932	0.0	4.0	0.0	12.0	41.0	67.0	42.0	83.0	13.0	10.0	0.0	19.0	291.0	
1933	23.0	12.0	0.0	0.0	38.0	129.0	16.0	60.0	1.0	10.0	0.0	0.0	289.0	
1934	0.0	0.0	4.0	0.0	312.0	109.0	0.0	14.0	15.0	15.0	10.0	0.0	479.0	
1935	0.0	0.0	0.0	0.0	20.0	57.0	45.0	24.0	40.0	12.0	0.0	0.0	198.0	
1939	0.0	0.0	0.0	0.0	21.0	91.0	14.0	36.0	9.0	20.0	0.0	56.0	247.0	
1940	0.0	3.0	0.0	18.0	44.0	72.0	115.0	53.0	18.0	15.0	0.0	0.0	338.0	
1941	0.0	0.0	0.0	103.0	89.0	83.0	135.0	230.0	2.0	0.0	12.0	0.0	654.0	
1942	0.0	0.0	0.0	0.0	39.0	86.0	73.0	129.0	26.0	9.0	31.0	0.0	393.0	
1943	0.0	0.0	30.0	0.0	22.0	20.0	18.0	30.0	6.0	16.0	0.0	0.0	142.0	
1944	2.0	19.0	0.0	17.0	48.2	172.8	16.4	186.8	0.0	19.5	0.0	0.0	481.7	
1945	0.0	84.8	0.0	12.6	0.0	0.0	4.6	46.7	25.0	0.0	0.0	0.0	173.7	
1946	0.0	0.0	0.0	3.9	20.6	22.6	32.2	6.0	0.0	5.7	0.0	0.0	91.0	
1947	0.0	0.0	2.0	0.0	1.5	140.4	33.3	52.6	0.0	18.0	0.0	0.0	247.8	
1948	0.0	0.0	0.0	47.0	76.4	52.7	126.7	8.8	1.8	0.0	0.0	0.0	313.4	
1949	0.0	0.0	0.0	0.0	102.6	59.1	36.0	24.0	0.0	0.0	0.0	0.0	221.7	
1950	0.0	0.0	0.0	68.0	104.0	0.0	0.0	31.2	15.9	12.1	12.3	0.0	243.5	
1951	0.0	0.0	0.0	9.2	58.3	52.5	109.3	3.3	17.3	0.0	0.0	0.0	249.9	
1952	0.0	7.0	0.0	0.0	80.4	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
1957	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	39.1	16.6	9.8	1.0	0.0	11.0	-1.0	
1958	0.0	0.0	0.0	0.0	66.0	111.6	20.2	40.1	0.0	0.5	0.0	0.0	238.4	
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	0.0	0.0	0.0	0.0	31.9	145.5	27.3	19.5	13.5	0.0	0.0	0.0	237.7	
1961	0.0	0.0	2.1	0.0	10.3	136.7	12.7	72.0	7.7	18.6	0.0	0.0	260.1	
1962	0.0	0.0	0.0	0.0	25.7	134.2	8.4	4.8	1.9	12.5	0.0	0.0	187.5	
1963	0.0	0.0	0.8	0.0	28.0	68.7	101.1	73.7	182.3	7.1	0.0	0.0	461.7	
1964	0.0	0.0	0.0	0.0	0.0	68.3	26.9	45.9	0.0	0.0	0.0	0.0	141.1	
1965	0.0	0.0	0.0	15.3	46.8	11.2	171.8	193.3	12.0	10.5	0.0	0.0	460.9	
1966	0.0	0.0	0.0	22.0	0.1	143.4	81.1	0.0	0.0	0.0	6.9	3.7	257.2	
1967	0.0	0.0	0.0	0.0	23.0	17.0	28.0	0.0	19.0	6.2	0.0	0.0	93.2	
1968	0.0	0.0	0.0	10.4	0.0	6.0	0.0	17.6	37.4	0.0	0.0	0.0	71.0	
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	42.3	
MAX	23.0	84.8	30.0	103.0	322.2	383.7	356.3	230.0	182.3	32.0	31.0	56.0	815.8	
PROM	1.6	3.3	1.5	10.0	57.1	87.7	59.2	52.1	20.2	7.7	2.6	2.9	307.7	
DESV	5.2	13.4	5.0	20.0	76.5	73.2	66.5	57.2	32.6	8.9	6.6	9.8	165.8	
CV	3.3	4.0	3.2	2.0	1.3	0.8	1.1	1.1	1.6	1.1	2.6	3.4	0.5	

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1958	0.0	0.0	2.0	0.0	55.0	98.0	14.0	31.0	0.0	0.0	0.0	0.0	200.0
1959	0.0	0.0	0.0	17.0	35.0	77.0	50.0	38.0	0.0	6.0	0.0	0.0	223.0
1960	0.0	0.0	0.0	0.0	20.0	103.0	34.0	14.0	6.5	0.0	0.0	0.0	177.5
1961	0.0	0.0	2.0	0.0	6.0	64.0	9.0	61.0	6.0	21.0	0.0	0.0	169.0
1962	0.0	0.0	0.0	0.0	31.0	109.0	14.0	7.0	2.0	12.0	0.0	0.0	175.0
1963	0.0	0.0	0.0	0.0	14.0	62.0	82.7	78.0	148.0	6.0	13.0	0.0	405.7
1964	0.0	0.0	0.0	0.0	0.0	42.0	16.0	41.0	0.0	0.0	0.0	0.0	99.0
1965	0.0	0.0	0.0	9.0	39.0	12.0	149.0	167.0	4.0	5.0	0.0	0.0	385.0
1966	0.0	0.0	0.0	23.0	2.0	138.5	85.5	21.5	0.0	0.0	12.0	5.0	287.5
1967	0.0	0.0	0.0	2.5	6.5	24.0	28.0	14.0	24.0	8.5	0.0	0.0	105.5
1968	0.0	-1.0	0.0	7.5	0.0	7.0	0.0	16.0	-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	49.0
MAX	46.0	60.0	27.0	58.0	251.0	369.5	227.5	200.0	148.0	50.0	40.0	50.0	641.8
PROM	1.4	2.1	1.6	9.2	42.8	62.1	48.0	45.9	17.9	8.4	3.9	2.0	245.8
DESV	6.6	8.4	4.5	13.7	47.5	57.0	48.0	46.9	26.0	10.9	8.7	7.7	117.0
CV	4.6	4.0	2.9	1.5	1.1	0.9	1.0	1.0	1.5	1.3	2.2	3.8	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 4 HOYA 307 ACONCAGUA SUP 7575 (KM2)
EST 4 SAN FELIPE EJERCITO
LAT 3246 LON 7043 ALT 650 (MTS)

AND ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
1968 0.0 0.0 2.0 12.0 0.0 5.5 0.0 14.0 32.0 0.0 0.0 0.0 65.5

391.

PRECIPITACIONES (MM)

 ZONA 4 HOYA 307 ACONCAGUA SUP 7575 (KM2)
 EST 5 SAN FELIPE ESC AGRIC
 LAT 3246 LON 7043 ALT 650 (MJS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	-1.0	-1.0	-1.0	0.0	27.0	99.0	10.0	9.0	1.0	10.0	0.0	0.0	-1.0
1963	0.0	0.0	-1.0	0.0	11.0	52.0	83.0	69.0	-1.0	8.0	-1.0	0.0	-1.0
1964	0.0	0.0	0.0	0.0	0.0	41.0	18.0	36.0	0.0	0.0	0.0	0.0	95.0
1965	0.0	0.0	0.0	8.0	36.0	14.0	133.0	146.0	3.0	2.0	0.0	-1.0	-1.0
1966	0.0	0.0	0.0	24.0	2.0	113.0	79.0	20.0	0.0	0.0	0.0	8.0	246.0
1967	0.0	0.0	0.0	4.0	7.3	22.0	54.0	12.0	0.0	12.0	0.0	-1.0	-1.0
1968	0.0	0.0	0.0	-1.0	0.0	6.6	0.0	15.2	18.4	0.0	0.0	0.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	6.6	0.0	9.0	0.0	0.0	0.0	0.0	95.0
MAX	0.0	0.0	0.0	24.0	36.0	113.0	133.0	146.0	18.4	12.0	0.0	8.0	246.0
PROM	0.0	0.0	0.0	6.0	11.9	49.7	53.9	43.9	3.7	4.6	0.0	1.6	170.5
DESV	0.0	0.0	0.0	9.4	14.2	41.7	48.1	49.6	7.3	5.3	0.0	3.6	106.8
CV	-1.0	-1.0	-1.0	1.6	1.2	0.8	0.9	1.1	1.9	1.1	-1.0	2.2	0.6

392.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 4

HOYA 307 ACONCAGUA

SUP 7575 (KM2)

EST 6 CATEMU

LAT 3246 LON 7058 ALT 440 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1924	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	6.4	7.9	0.0	0.0	0.0	-1.0
1925	0.0	1.4	0.0	12.8	17.1	9.1	120.1	2.1	118.9	0.7	0.0	0.0	288.2
1926	0.0	32.0	2.2	30.2	528.8	315.1	39.4	9.5	0.0	0.0	0.0	0.0	957.2
1927	0.0	0.0	0.0	0.0	34.1	138.0	64.8	14.2	40.9	0.0	0.0	0.0	292.0
1928	0.0	0.0	0.0	23.0	85.0	225.9	17.8	6.2	3.2	2.5	0.0	0.0	363.6
1954	-1.0	-1.0	-1.0	-1.0	58.0	49.0	56.0	2.0	2.0	0.0	0.0	0.0	-1.0
1955	0.0	0.0	0.0	11.0	31.0	9.0	14.0	15.0	6.0	38.0	0.0	0.0	124.0
1956	0.5	0.0	23.0	12.0	7.0	4.0	71.0	35.0	14.0	1.0	0.0	0.0	167.5
1957	0.0	0.0	0.0	0.0	241.0	2.0	33.0	2.0	0.0	0.0	0.0	17.0	295.0
1958	0.0	0.0	0.0	0.0	34.0	14.0	23.0	42.0	1.0	0.0	2.0	0.0	116.0
1959	0.0	0.0	0.0	0.0	5.0	97.0	28.0	13.0	6.0	0.0	0.0	0.0	149.0
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	-1.0	-1.0	-1.0	-1.0	10.0	114.0	0.0	0.5	0.0	12.0	0.0	0.0	-1.0
1963	0.0	0.0	5.5	0.0	19.0	47.8	104.1	78.0	118.5	1.5	6.0	0.0	380.2
1964	0.0	0.0	0.0	0.0	0.0	52.0	16.0	43.0	0.0	0.0	0.0	0.0	111.0
1965	0.0	0.0	0.0	7.0	47.0	12.0	179.0	184.0	0.0	0.0	1.0	8.0	438.0
1966	0.0	0.0	0.0	30.0	4.0	117.0	81.0	52.0	0.0	0.0	10.0	12.0	306.0
1967	0.0	0.0	0.0	3.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.5	0.0	0.0	0.0	0.0	111.0
MAX	0.5	32.0	23.0	30.2	528.8	315.1	179.0	184.0	118.9	38.0	10.0	17.0	957.2
PROM	0.0	2.4	2.2	9.2	74.7	80.4	56.5	31.6	19.9	3.5	1.2	2.3	306.7
DESV	0.1	8.5	6.2	11.2	139.1	91.2	48.6	46.4	39.9	9.7	2.8	5.2	224.0
CV	3.7	3.6	2.8	1.2	1.9	1.1	0.9	1.5	2.0	2.8	2.4	2.3	0.7

393.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 4 HOYA 307 ACONCAGUA SUP 7575 (KM2)
 EST 7 SAN ESTEBAN RETEN
 LAT 3248 LON 7037 ALT 832 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	-1.0	-1.0	-1.0	-1.0	38.0	102.0	15.0	7.0	5.0	20.0	0.0	0.0	-1.0
1963	0.0	0.0	0.0	0.0	15.0	55.0	67.0	69.0	124.0	18.0	23.0	0.0	371.0
1964	0.0	0.0	0.0	0.0	0.0	47.0	37.0	34.0	0.0	0.0	0.0	0.0	118.0
1965	0.0	0.0	0.0	0.0	7.0	36.0	18.0	124.0	14.0	8.0	0.0	8.0	376.0
1966	0.0	0.0	0.0	20.0	-1.0	119.0	69.0	28.0	10.0	0.0	14.0	6.0	-1.0
1967	0.0	0.0	0.0	2.0	8.0	27.0	23.0	12.0	23.0	19.0	0.0	0.0	115.0
1968	0.0	0.0	0.0	12.0	0.0	9.4	0.0	15.0	34.4	0.0	0.0	0.0	70.8
MIN	0.0	0.0	0.0	0.0	0.0	9.4	0.0	7.0	0.0	0.0	0.0	0.0	70.8
MAX	0.0	0.0	0.0	20.0	38.0	119.0	124.0	161.0	124.0	20.0	23.0	8.0	376.0
PROM	0.0	0.0	0.0	6.8	16.2	53.9	47.9	46.7	28.6	9.3	5.3	2.0	210.2
DESV	0.0	0.0	0.0	8.0	17.1	42.0	42.3	54.5	43.9	9.5	9.4	3.5	150.3
CV	-1.0	-1.0	-1.0	1.2	1.1	0.8	0.9	1.2	1.5	1.0	1.8	1.7	0.7

394.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

-PRECIPITACIONES (MM)

ZONA 4 HOYA 307 ACONCAGUA SUP 7575 (KM2)

EST 8 CHAGRES

LAT 3248 LON 7059 ALT 412 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1960	0.0	0.0	0.0	0.0	26.0	120.6	50.4	21.2	6.8	2.1	0.0	0.0	227.1
1961	0.0	0.0	1.5	0.0	10.5	198.0	23.2	91.9	15.3	8.0	0.0	0.6	349.0
1962	0.0	0.0	0.0	0.0	5.5	143.8	13.7	1.3	2.7	15.3	0.0	0.0	182.3
1963	0.0	0.0	3.2	0.0	19.5	40.4	105.0	104.0	112.2	2.2	0.7	0.0	394.4
1964	0.0	0.0	0.0	0.0	0.0	63.2	20.9	53.5	0.0	0.0	0.0	0.2	137.8
1965	0.0	0.0	0.0	5.7	37.8	11.4	178.1	197.7	1.5	6.3	0.0	5.7	443.7
1966	0.0	0.0	0.0	34.6	4.3	100.2	99.9	18.9	0.0	0.0	13.0	0.0	369.2
1967	0.0	0.0	0.0	4.0	6.9	29.0	87.0	15.0	38.0	1.6	0.0	0.0	181.5
1968	0.0	0.0	0.0	7.1	0.0	8.9	2.7	18.1	10.0	0.0	0.0	0.0	46.8
MIN	0.0	0.0	0.0	0.0	0.0	8.9	2.7	1.3	0.0	0.0	0.0	0.0	46.8
MAX	0.0	0.0	3.2	34.6	37.8	198.0	178.1	197.7	112.2	15.3	13.0	37.7	443.7
PROM	0.0	0.0	0.5	5.7	12.3	79.5	64.5	58.0	20.7	3.9	1.5	4.9	259.1
DESV	0.0	0.0	1.1	11.2	12.9	65.4	57.6	63.6	36.3	5.1	4.3	12.4	134.8
CV	-1.0	-1.0	2.1	2.0	1.1	0.8	0.9	1.1	1.8	1.3	2.8	2.6	0.5

395.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 4

HOYA 307 ACONCAGUA

SUP 7575 (KM2)

EST 9 LACALERA

LAT 3248 LON 7113 ALT 217 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1912	0.0	0.0	0.0	17.4	110.5	129.7	0.0	64.2	11.4	0.0	0.0	0.0	333.2
1913	0.0	0.0	0.0	0.0	0.0	0.0	134.0	14.7	38.9	0.0	0.0	0.0	187.6
1914	0.0	0.0	0.0	5.8	101.3	252.7	129.3	100.7	130.9	79.2	-1.0	-1.0	1100.0
1915	0.0	0.0	0.0	35.7	150.0	86.9	7.5	4.0	0.0	0.0	0.0	0.0	278.7
1916	3.5	0.0	0.0	5.5	22.5	0.0	50.5	26.2	21.0	0.0	44.5	0.0	167.7
1917	0.0	0.0	0.0	2.5	101.3	29.0	2.0	9.0	69.3	0.0	0.0	0.0	213.5
1918	0.0	0.0	0.0	29.0	23.0	60.0	20.3	-1.0	-1.0	-1.0	9.5	0.0	110.0
1919	0.0	0.0	0.0	21.8	284.6	156.2	152.8	35.0	27.3	6.0	0.0	0.0	683.7
1920	0.0	0.0	0.0	0.0	98.5	23.0	38.0	10.0	0.0	0.0	0.0	0.0	109.5
1921	0.0	0.0	1.5	8.5	213.2	77.5	0.0	38.8	0.5	0.0	0.0	0.0	340.0
1922	0.0	0.0	0.0	0.0	22.2	245.3	45.5	74.3	24.5	0.0	0.0	0.0	411.8
1923	0.0	0.0	0.0	0.0	0.0	73.2	80.5	87.7	0.0	29.7	0.0	0.0	271.1
1924	0.0	0.0	1.0	0.0	0.0	0.0	21.5	22.0	9.5	0.0	0.0	0.0	54.0
1925	0.0	0.0	0.0	0.0	25.3	9.0	67.5	2.5	57.2	4.2	0.0	0.0	205.7
1926	0.0	0.0	0.0	0.0	56.5	530.5	143.7	46.0	13.8	1.0	0.0	0.0	791.5
1927	0.0	0.0	0.0	0.0	109.5	74.0	83.5	28.5	33.0	0.0	0.0	0.0	328.0
1928	0.0	0.0	0.0	46.5	104.7	136.5	51.0	8.0	18.8	0.0	0.0	0.0	365.5
1929	20.0	0.0	0.0	0.0	26.0	115.0	16.0	292.0	-1.0	-1.0	0.0	0.0	110.0
1930	0.0	0.0	0.0	52.0	36.0	99.0	193.0	198.0	8.0	88.0	0.0	0.0	674.0
1931	24.0	0.0	0.0	6.0	23.0	94.0	158.0	44.0	70.0	0.0	8.0	0.0	427.0
1932	0.0	4.0	0.0	6.0	64.0	110.0	68.0	174.0	16.0	0.0	0.0	19.0	461.0
1933	38.0	10.0	0.0	0.0	22.0	123.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	110.0
1934	-1.0	-1.0	-1.0	-1.0	-1.0	147.0	7.0	1.0	19.0	25.0	0.0	0.0	110.0
1935	0.0	0.0	0.0	0.0	42.0	88.0	66.0	17.0	17.0	46.0	0.0	0.0	276.0
1936	0.0	0.0	0.0	10.0	157.0	46.0	89.0	93.0	-1.0	0.0	0.0	10.0	110.0
1937	0.0	0.0	0.0	0.0	46.0	64.0	114.0	126.0	27.0	18.0	8.0	0.0	397.0
1938	0.0	0.0	0.0	0.0	117.0	47.0	49.0	0.0	0.0	17.0	0.0	0.0	230.0
1939	0.0	0.0	0.0	0.0	55.0	137.0	4.0	43.0	15.0	28.0	0.0	47.0	329.0
1940	0.0	15.0	0.0	-1.0	-1.0	-1.0	-1.0	13.0	15.0	7.0	3.0	0.0	110.0
1941	0.0	0.0	0.0	66.0	103.0	123.0	231.0	202.0	0.0	0.0	4.0	0.0	729.0
1942	0.0	0.0	0.0	0.0	25.0	71.0	131.0	86.0	6.0	30.0	47.0	0.0	396.0
1943	0.0	0.0	10.0	3.0	28.0	34.0	24.0	93.0	8.0	2.0	0.0	0.0	202.0
1944	20.0	27.0	0.0	16.0	40.5	146.3	15.9	176.5	0.4	21.4	0.0	0.0	458.0
1945	0.0	96.2	0.0	0.0	0.0	0.0	14.8	92.5	36.6	3.2	0.0	0.0	243.3
1946	0.0	0.0	0.0	0.0	34.1	53.0	28.8	24.0	4.7	4.8	0.0	0.0	149.4
1947	0.0	0.0	0.0	0.0	30.0	142.1	67.3	54.5	0.0	25.0	0.0	0.0	318.9
1948	0.0	0.0	0.0	52.2	111.3	42.1	190.6	13.5	5.2	3.3	0.0	0.0	418.2
1949	0.0	0.0	3.3	0.0	132.0	78.9	44.5	20.8	0.0	0.0	0.0	0.0	279.5
1950	0.0	0.0	0.0	79.0	141.0	11.0	0.0	35.1	22.0	4.0	34.0	0.0	326.1
1951	0.0	0.0	0.0	26.0	50.0	104.3	119.0	0.0	17.0	0.0	0.0	0.0	316.3
1952	0.0	0.0	0.0	0.0	54.0	139.0	131.0	10.0	16.8	0.0	0.0	0.0	350.8
1953	5.0	0.0	0.0	27.6	135.0	18.0	82.0	260.0	80.0	5.0	0.0	0.0	612.0
1954	0.0	0.0	0.0	46.0	37.0	115.8	44.0	0.7	0.0	0.0	0.0	0.0	237.5
1955	0.0	0.0	0.0	3.0	60.0	0.0	0.0	20.3	-1.0	-1.0	-1.0	-1.0	110.0
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	54.0
MAX	38.0	96.2	10.0	79.0	284.6	530.5	231.0	292.0	130.9	88.0	47.0	47.0	791.5
PROM	2.6	3.5	0.4	13.5	71.2	93.8	69.4	63.4	22.6	11.2	3.9	1.9	349.2
DESV	7.8	15.3	1.6	20.7	61.1	91.3	61.3	73.2	29.3	20.4	11.2	8.0	172.2
CV	3.0	4.3	4.4	1.5	0.9	1.0	0.9	1.2	1.3	1.8	2.9	4.3	0.5

396.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 4

HOYA 307 ACONCAGUA

SUP 7575 (KM2)

EST 10 LACRUZ CHACRA BELLAVISTA

LAT 3249 LON 7115 ALT 174 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1947	0.0	0.0	0.0	0.8	29.5	119.3	90.0	50.2	5.4	26.1	0.0	0.0	321.3
1948	0.0	0.0	0.6	62.1	115.8	56.8	198.3	8.4	9.1	5.5	0.0	0.0	456.0
1949	0.0	0.0	11.0	0.0	162.1	64.7	49.0	24.2	0.2	0.0	0.2	0.0	312.0
1950	0.0	0.0	0.0	112.8	139.3	14.2	0.0	53.4	37.2	9.3	34.0	0.0	400.2
1951	0.0	0.0	0.0	30.9	60.2	172.5	157.1	9.2	21.4	0.0	0.4	0.0	452.1
1952	0.0	0.2	0.0	0.0	56.1	171.7	111.6	18.3	36.5	3.6	0.0	0.8	392.2
1953	7.4	0.0	0.0	44.7	146.4	31.5	72.1	227.5	92.5	7.2	0.0	0.0	623.3
1954	0.0	0.0	0.0	63.2	65.1	188.7	55.7	30.2	6.8	0.0	0.2	0.0	410.0
1955	0.0	0.0	0.0	11.0	66.0	25.8	37.0	31.8	2.6	18.1	0.6	0.0	172.9
1956	0.0	0.0	54.4	19.6	28.1	8.6	106.0	117.8	21.4	0.0	0.0	0.0	350.5
1957	0.2	0.0	0.0	0.0	274.6	13.4	54.7	17.0	15.7	0.0	0.0	36.7	452.3
1958	0.0	0.0	0.0	0.0	156.1	108.8	18.9	68.9	9.0	1.4	0.4	0.0	363.5
1959	0.0	0.4	2.6	16.0	16.5	114.0	75.5	53.2	6.6	4.2	0.0	0.6	283.0
1960	6.0	0.0	0.0	0.0	30.0	125.7	48.0	34.4	3.4	7.8	0.0	0.0	243.5
1961	0.0	0.0	1.5	0.0	19.9	160.5	30.4	114.5	18.2	7.4	0.0	3.2	355.7
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	6.9	0.0	51.8	58.0	101.0	0.0	0.0	0.0	0.0	221.9
1965	0.0	0.0	0.0	23.9	-1.0	14.8	-1.0	-1.0	0.0	5.6	3.4	1.6	-1.0
1966	0.0	0.0	0.0	81.7	7.9	216.3	-1.0	-1.0	-1.0	1.1	-1.0	0.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	8.6	0.0	8.4	0.0	0.0	0.0	0.0	172.9
MAX	7.4	0.4	54.4	112.8	274.6	216.3	198.2	227.5	92.5	26.1	34.0	36.7	623.3
PROM	0.4	0.0	3.9	26.0	80.8	92.2	73.9	60.0	16.8	5.1	2.3	2.6	363.1
DESV	1.7	0.1	12.9	33.6	74.1	69.4	52.3	57.0	22.7	7.0	8.2	8.6	108.9
CV	4.1	3.1	3.3	1.3	0.9	0.8	0.7	0.9	1.4	1.4	3.6	3.3	0.3

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 4

HOYA 307 ACONCAGUA

SUP 7575 (KM2)

EST 13 JUNCAL

LAT 3252 LON 7010 ALT 2250 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1943	0.0	0.0	26.0	0.0	12.0	50.0	27.0	12.0	11.0	35.0	0.0	0.0	173.0
1944	8.0	18.0	10.0	8.0	18.0	145.0	10.0	163.5	0.0	17.0	26.0	0.0	423.5
1945	13.0	71.0	8.4	51.3	0.0	27.0	11.1	39.0	21.7	0.0	27.8	10.2	260.5
1946	0.6	0.0	0.0	18.2	17.2	22.8	61.3	0.0	0.5	1.0	0.0	0.0	121.6
1947	0.0	0.4	0.1	0.1	0.9	104.9	28.0	55.0	10.0	20.0	0.0	0.0	219.4
1948	0.0	0.0	0.0	9.0	30.0	40.0	45.0	9.0	0.5	0.0	0.0	0.0	133.5
1949	0.0	0.0	0.0	0.0	40.0	26.0	27.5	100.0	20.0	0.0	0.0	0.0	213.5
1950	15.0	45.0	15.0	74.0	318.0	19.0	0.0	181.0	324.0	150.0	90.6	0.0	1231.6
1951	142.0	0.0	0.0	105.0	424.0	313.0	472.0	65.0	48.0	0.0	67.0	0.0	1636.0
1952	0.0	45.5	0.0	50.0	236.0	410.0	94.0	166.0	150.5	110.0	18.0	0.0	1290.0
MIN	0.0	0.0	0.0	0.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	121.6
MAX	142.0	71.0	26.0	105.0	424.0	410.0	472.0	181.0	324.0	150.0	90.6	10.2	1636.0
PROM	17.9	18.0	5.9	31.6	109.6	115.8	77.6	79.0	58.6	33.3	22.9	1.0	570.3
DESV	44.0	26.3	8.9	36.7	156.2	137.6	141.3	69.6	103.6	53.2	32.0	3.2	578.2
CV	2.5	1.5	1.5	1.2	1.4	1.2	1.8	0.9	1.8	1.6	1.4	3.2	1.0

398.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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*****
ZONA 4 HOYA 307 ACONCAGUA SUP 7575 (KM2)
EST 14 CHACABUQUITO
LAT 3250 LON 7034 ALT 1030 (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 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 0.0 -1.0
1965 0.0 0.0 0.0 13.5 48.0 29.5 153.5 183.5 13.5 18.0 0.5 9.0 467.0
1966 0.0 0.0 0.0 17.0 9.5 129.5 86.0 47.0 -1.0 -1.0 -1.0 -1.0 -1.0
*****

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PRECIPITACIONES (MM)													

ZONA 4				HCYA 307 ACCNCA CL4				SUP 7575 (KM2)					
				EST 15 LES ANDES				PREC 000 TIPC PV					
				LAT 3250 LON 7036				ALT 816 (MFS)					

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

1907	0.0	0.0	0.0	11.0	40.0	85.0	161.0	28.0	68.5	0.0	0.0	0.0	357.5
1908	8.4	0.0	0.0	91.4	49.0	112.0	0.0	0.0	10.0	0.0	0.0	0.0	270.8
1909	0.0	0.0	0.0	12.0	48.0	198.0	17.0	81.5	51.0	10.5	0.0	0.0	418.5
1910	0.0	0.0	22.5	52.7	0.0	163.0	36.5	69.5	8.0	2.0	0.0	0.0	352.7
1911	0.0	0.0	44.5	27.0	51.0	105.0	62.0	19.7	10.5	0.0	0.0	15.0	376.4
1912	0.0	0.0	0.0	22.5	242.2	199.0	0.0	137.6	8.5	5.5	0.0	0.0	618.8
1913	0.0	0.0	0.0	22.5	77.0	0.0	77.0	81.2	14.0	0.0	0.0	0.0	276.5
1914	0.0	0.0	7.0	22.6	47.5	183.4	112.0	57.0	102.0	30.0	33.2	0.0	600.0
1915	0.0	0.0	0.0	22.0	128.6	65.0	7.0	0.0	0.0	0.0	0.0	0.0	233.8
1916	2.9	0.0	3.7	0.0	41.4	2.0	11.0	18.0	13.3	0.2	17.2	0.0	110.4
1917	2.9	0.0	0.0	0.0	26.4	101.3	1.0	3.0	49.3	0.0	0.0	0.0	187.2
1918	0.0	0.0	4.1	13.9	17.6	42.0	1.9	29.4	7.9	4.6	1.1	0.0	212.5
1919	0.0	0.0	0.0	26.0	24.7	117.7	129.4	10.3	16.2	0.0	0.0	0.0	545.8
1920	0.0	0.0	0.0	4.0	91.4	27.8	42.0	14.0	0.0	4.2	0.0	8.1	208.1
1921	0.0	0.0	0.0	0.0	272.2	70.8	0.0	36.0	17.5	0.6	0.3	0.0	401.4
1922	0.0	0.0	8.1	0.0	14.0	167.1	43.0	54.8	38.0	20.4	0.0	0.0	356.0
1923	0.0	0.0	0.0	0.0	2.0	38.0	66.0	26.4	2.0	4.4	0.0	0.0	188.5
1924	0.0	0.0	13.0	0.0	0.0	5.0	0.0	11.0	14.4	0.0	0.0	0.0	49.5
1925	0.0	1.1	0.0	0.0	0.0	12.2	3.0	3.0	91.9	9.9	0.0	0.0	166.6
1926	0.0	2.2	2.8	0.0	0.0	19.0	26.4	2.0	5.0	4.0	0.0	0.0	682.0
1927	0.0	0.0	0.0	0.0	27.0	55.4	125.0	27.0	47.5	3.0	0.0	0.0	317.8
1928	0.0	0.0	0.0	0.0	0.0	67.0	22.0	2.0	1.0	3.4	0.0	0.0	273.2
1929	1.0	0.0	0.0	0.0	0.0	53.0	59.0	27.0	1.0	0.0	0.0	1.0	296.0
1930	0.0	0.0	0.0	0.0	13.0	36.0	77.0	10.0	16.0	6.0	0.0	0.0	459.0
1931	0.0	0.0	0.0	0.0	17.0	13.0	30.0	8.0	4.0	0.0	0.0	0.0	318.0
1932	0.0	0.0	0.0	0.0	0.0	40.0	63.0	45.0	9.0	7.0	0.0	1.0	284.0
1933	3.0	2.0	0.0	0.0	0.0	52.0	0.0	2.0	7.0	8.0	0.0	0.0	290.0
1934	0.0	0.0	0.0	0.0	22.0	78.0	0.0	4.0	24.0	2.0	0.0	0.0	370.0
1935	0.0	0.0	0.0	0.0	0.0	20.0	45.0	5.0	9.0	0.0	0.0	0.0	186.0
1936	0.0	0.0	0.0	0.0	13.0	106.0	24.0	47.0	8.0	0.0	0.0	0.0	279.0
1937	0.0	0.0	0.0	0.0	0.0	17.0	47.0	61.0	48.0	14.0	0.0	0.0	280.1
1938	0.0	0.0	0.0	1.0	10.0	34.0	0.0	4.0	0.0	9.0	0.0	0.0	212.3
1939	0.0	0.0	0.0	0.0	0.0	16.0	107.0	2.0	0.0	0.0	0.0	4.0	251.0
1940	0.0	0.0	0.0	0.0	22.0	76.0	198.0	3.0	31.0	16.0	0.0	0.0	328.0
1941	0.0	0.0	0.0	8.0	80.0	103.0	1.0	20.0	4.0	3.0	1.0	0.0	622.0
1942	0.0	0.0	0.0	0.0	40.0	82.0	8.0	116.0	3.8	8.0	27.0	0.0	402.0
1943	0.0	0.0	2.0	0.0	23.0	21.0	25.0	2.0	15.0	2.0	0.0	0.0	164.0
1944	2.0	0.0	0.0	0.0	40.0	146.0	15.0	170.0	0.0	21.0	0.0	0.0	459.0
1945	0.0	2.0	0.0	0.0	13.0	1.0	14.0	44.0	42.0	0.0	1.0	0.0	202.6
1946	0.0	0.0	0.0	0.0	0.0	3.0	33.0	5.0	2.0	7.0	0.0	0.0	127.1
1947	0.0	0.0	0.0	2.0	137.0	1.0	137.0	51.0	4.0	0.0	0.0	0.0	272.9
1948	0.0	0.0	0.0	0.0	3.0	60.0	142.0	7.0	11.0	0.0	0.0	0.0	308.0
1949	0.0	0.0	0.0	0.0	0.0	57.0	15.0	4.0	3.0	0.0	0.0	0.0	331.0
1950	0.0	0.0	0.0	0.0	56.0	105.0	0.0	24.0	2.0	0.0	2.0	0.0	225.5
1951	0.0	0.0	0.0	24.0	3.0	58.0	97.0	10.0	2.0	0.0	0.0	0.0	276.0

10.

	ENC	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	0.0	0.0	0.0	0.0	15.0	62.0	40.0	76.0	115.0	19.0	20.0	0.0	348.0
1964	0.0	0.0	0.0	0.0	42.0	42.0	40.0	41.0	0.0	0.0	1.0	0.0	124.0
1965	0.0	0.0	0.0	0.0	42.0	15.0	147.0	155.0	6.0	10.0	0.0	9.0	389.0
1966	0.0	0.0	0.0	22.0	55.0	133.0	68.0	134.0	0.0	0.0	15.0	5.0	282.0
1967	0.0	0.0	0.0	23.0	7.0	27.0	31.0	14.0	33.0	29.0	0.0	0.0	114.0
MIN	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	49.5
MAX	31.0	80.7	44.0	51.4	272.2	364.0	245.0	200.0	115.0	60.0	45.0	54.0	682.6
FREN	1.9	3.1	3.3	14.5	57.6	80.8	54.4	50.6	23.8	10.7	4.8	3.2	308.4
DESV	5.5	12.3	8.2	20.6	64.4	67.5	51.0	49.8	27.8	12.7	5.8	10.3	139.9
CV	2.9	4.0	2.5	1.4	1.1	0.8	0.9	1.0	1.2	1.2	2.1	3.3	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORRIDOS

PRECIPITACIONES (MM)

ZONA 4

HOYA 307 ACONCAGUA

SUP 7575 (KM2)

EST 16 LLAY LLAY

LAT 3250 LON 7059 ALT 385 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1912	0.0	0.0	0.0	14.2	59.4	168.4	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1913	-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
1914	0.0	0.0	0.0	0.3	73.6	258.5	91.0	42.8	131.9	58.1	20.8	0.0	677.0
1915	-1.0	-1.0	-1.0	15.7	153.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1941	-1.0	-1.0	0.0	48.0	79.0	103.0	118.0	173.0	-1.0	-1.0	-1.0	-1.0	-1.0
1942	0.0	0.0	0.0	0.0	18.0	64.0	71.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1943	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	62.0	1.0	22.0	0.0	0.0	-1.0
1944	0.0	11.0	0.0	-1.0	-1.0	-1.0	-1.0	209.0	0.0	14.0	-1.0	-1.0	-1.0
1945	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	69.1	36.3	0.0	0.0	0.0	-1.0
1946	0.0	0.0	0.0	9.6	15.2	47.0	33.1	50.2	6.4	2.8	0.0	0.0	-1.0
1947	0.0	0.0	0.0	0.0	18.4	138.6	39.5	52.0	0.0	14.1	0.0	0.0	164.3
1948	0.0	0.0	0.0	41.9	89.5	55.4	186.1	2.8	10.5	3.4	0.0	0.0	262.6
1949	0.0	0.0	3.4	0.0	145.8	49.2	27.1	18.5	0.0	0.0	0.0	0.0	389.6
1950	0.0	0.0	0.0	58.7	118.9	2.4	0.0	36.3	18.9	10.3	25.7	0.0	244.0
1951	0.0	0.0	0.0	20.6	64.7	77.8	146.9	2.1	25.3	0.0	0.0	0.0	271.2
1964	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	28.0	69.0	0.0	0.0	0.0	0.0	337.4
1965	0.0	0.0	0.0	0.0	51.0	20.0	-1.0	150.0	0.0	15.0	0.0	0.0	-1.0
1966	0.0	0.0	0.0	40.0	10.0	177.0	108.0	21.0	0.0	0.0	15.0	16.0	-1.0
1967	0.0	0.0	0.0	0.0	10.0	39.0	39.0	22.0	45.0	0.0	0.0	0.0	387.0
1968	0.0	0.0	0.0	7.5	0.0	10.0	4.0	19.5	12.0	0.0	-1.0	0.0	155.0
MIN	0.0	0.0	0.0	0.0	0.0	2.4	0.0	2.1	0.0	0.0	0.0	0.0	0.0
MAX	0.0	11.0	3.4	58.7	153.0	258.5	186.1	209.0	131.9	58.1	25.7	16.0	155.0
PRCM	0.0	0.8	0.2	17.1	60.4	86.4	68.6	62.5	19.2	9.3	4.7	1.1	677.0
DESV	0.0	2.9	0.9	20.2	50.1	74.2	57.5	61.7	34.4	15.4	9.2	4.3	320.9
CV	-1.0	3.7	3.9	1.2	0.8	0.9	0.8	1.0	1.8	1.6	1.9	3.7	158.1
													0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 4 HOYA 307 ACONCAGUA SUP 7575 (KM2)
 EST 17 ESTERO RABUCO
 LAT 3250 LON 7110 ALT 300 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1965	0.0	0.0	0.0	16.5	58.0	14.0	239.0	224.5	0.0	10.0	5.5	2.5	570.0
1966	0.0	0.0	0.0	69.0	11.0	225.5	201.0	31.5	0.0	0.0	13.5	13.0	564.5
1967	0.0	0.0	0.0	0.5	20.0	42.0	73.0	25.0	62.0	0.5	1.0	0.0	224.0
1968	0.0	0.0	0.0	8.0	0.0	13.5	8.0	38.0	21.0	0.0	2.0	0.0	90.5
1969	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.5	0.0	13.5	8.0	25.0	0.0	0.0	1.0	0.0	90.5
MAX	0.0	0.0	0.0	69.0	58.0	225.5	239.0	224.5	62.0	10.0	13.5	13.0	570.0
PRGM	0.0	0.0	0.0	23.5	22.3	73.8	130.3	79.8	20.8	2.6	5.5	3.9	362.3
DESV	0.0	0.0	0.0	31.0	25.2	102.0	108.1	96.6	29.2	4.9	5.7	6.2	242.9
CV	-1.0	-1.0	-1.0	1.3	1.1	1.4	0.8	1.2	1.4	1.9	1.0	1.6	0.7

403.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 4 HOYA 307 ACONCAGUA SUP 7575 (KM2)
 EST 19 EL SAUCE FUNDO
 LAT 3251 LON 7032

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	-1.0	-1.0	37.0	13.0	33.0	-1.0	-1.0
1943	0.0	0.0	31.0	1.0	25.0	16.0	24.0	35.0	12.0	27.0	0.0	0.0	171.0
1944	19.0	30.0	0.0	25.0	43.0	135.0	17.0	207.1	0.0	24.0	0.0	0.0	500.1
1945	0.0	74.9	0.0	9.8	1.7	1.3	11.5	49.0	37.8	0.0	5.8	0.0	192.2
1946	0.0	0.0	0.0	13.8	39.9	31.5	37.0	5.4	4.6	7.7	0.0	0.0	139.9
1947	0.0	0.0	2.4	0.0	4.5	145.7	31.7	50.3	4.6	32.1	0.0	0.0	271.3
1948	0.0	0.0	7.0	36.5	63.3	31.8	143.5	7.3	11.1	8.0	0.0	0.0	308.5
1949	0.0	0.0	0.0	0.0	130.3	18.5	28.6	50.4	0.0	0.0	0.0	0.0	227.8
1950	0.0	0.0	1.0	60.6	98.3	3.5	0.0	31.3	20.0	20.1	22.9	0.0	257.7
1951	2.2	0.0	0.0	22.6	64.1	62.5	94.0	12.7	31.2	0.0	3.4	0.0	292.7
1952	0.0	12.6	0.0	0.0	61.5	113.0	31.0	21.0	61.0	50.3	0.0	0.0	350.4
1953	0.0	0.0	0.0	60.0	82.0	31.5	85.0	201.0	55.0	22.0	0.0	0.0	536.5
1954	0.0	0.0	0.0	54.0	77.5	57.2	42.0	16.8	0.0	0.0	0.0	0.0	247.5
1955	0.0	0.0	0.0	19.0	90.5	45.7	33.8	24.0	17.0	58.0	0.0	0.0	288.0
1956	0.0	0.0	35.0	17.0	21.0	4.0	50.0	68.8	7.0	6.0	0.0	6.5	215.3
1957	0.0	0.0	0.0	0.0	203.1	7.7	45.5	30.9	12.5	0.0	0.0	25.0	324.7
1958	0.0	0.0	0.0	0.0	60.1	81.2	28.9	30.8	1.8	4.0	5.7	0.0	212.5
1959	0.0	0.5	0.1	26.5	61.4	97.1	51.6	54.8	0.6	14.4	0.0	0.0	307.0
1960	0.0	0.0	0.0	0.0	28.3	110.5	45.6	25.5	14.7	3.6	0.0	0.0	228.2
MIN	0.0	0.0	0.0	0.0	1.7	1.3	0.0	5.4	0.0	0.0	0.0	0.0	139.9
MAX	19.0	74.9	35.0	60.6	203.1	145.7	143.5	207.1	61.0	58.0	33.0	25.0	536.5
PROM	1.2	6.6	4.2	19.2	64.2	55.2	44.5	51.2	17.3	15.3	3.7	1.8	281.7
DESV	4.5	18.6	10.6	21.2	48.0	47.6	33.6	58.2	18.7	17.1	8.9	6.0	102.3
CV	3.8	2.8	2.5	1.1	0.7	0.9	0.8	1.1	1.1	1.1	2.4	3.4	0.4

404.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCENCCIDOS

PRECIPITACIONES (MM)

 ZONA 4 HOYA 307 ACONCAGUA SUP 7575 (KM2)
 EST 21 CALLE LARGA
 LAT 3253 LON 7039 ALT 871 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	-1.0	-1.0	-1.0	-1.0	23.0	121.0	21.0	15.0	2.0	-1.0	0.0	3.0	-1.0
1963	2.0	0.0	-1.0	0.0	28.0	57.0	81.0	73.0	132.0	17.0	13.0	0.0	-1.0
1964	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	28.0	69.0	0.0	0.0	0.0	0.0	-1.0
1965	0.0	0.0	0.0	10.0	42.0	12.0	151.0	158.0	7.0	25.0	0.0	8.0	262.0
1966	0.0	0.0	0.0	20.0	4.0	121.0	85.0	22.0	0.0	0.0	12.0	6.0	270.0
1967	0.0	0.0	0.0	3.0	7.0	10.0	26.0	13.0	32.0	12.0	0.0	0.0	103.0
1968	0.0	0.0	0.0	9.0	0.0	9.0	0.0	12.5	18.0	0.0	0.0	0.0	48.5
MIN	0.0	0.0	0.0	0.0	0.0	9.0	0.0	12.5	0.0	0.0	0.0	0.0	48.5
MAX	2.0	0.0	0.0	20.0	42.0	121.0	151.0	158.0	132.0	25.0	13.0	8.0	270.0
PROM	0.4	0.0	0.0	8.4	17.3	55.0	56.0	51.8	27.3	9.0	3.6	2.4	170.9
DESV	0.9	0.0	0.0	7.7	16.4	54.2	52.5	53.7	47.6	10.7	6.1	3.4	112.1
CV	2.2	-1.0	-1.0	0.9	0.9	1.0	0.9	1.0	1.7	1.2	1.7	1.4	0.7

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 4

HOYA 307 ACONCAGUA

SUP 7575 (KM2)

EST 22 RINCONADA DE LOS ANDES

LAT 3253 LON 7041 ALT 850 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	-1.0	-1.0	-1.0	0.0	27.0	122.0	12.0	8.0	5.0	-1.0	0.0	4.0	-1.0
1963	0.0	0.0	2.0	0.0	15.0	59.0	107.0	82.0	137.0	11.0	13.0	0.0	426.0
1964	0.0	0.0	0.0	0.0	0.0	49.0	18.0	43.0	0.0	0.0	0.5	0.0	110.5
1965	0.0	0.0	0.0	10.0	43.0	10.0	140.0	155.0	10.0	8.0	0.0	10.0	386.0
1966	0.0	0.0	0.0	18.0	6.0	121.0	-1.0	22.0	0.0	0.0	19.0	7.0	-1.0
1967	0.0	0.0	0.0	7.0	7.0	22.0	28.0	11.0	23.0	-1.0	0.0	0.0	-1.0
1968	0.0	0.0	0.0	9.5	0.0	14.5	0.0	13.5	16.0	0.0	0.0	0.0	53.5
MIN	0.0	0.0	0.0	0.0	0.0	10.0	0.0	8.0	0.0	0.0	0.0	0.0	53.5
MAX	0.0	0.0	2.0	18.0	43.0	122.0	140.0	155.0	137.0	11.0	19.0	10.0	426.0
PROM	0.0	0.0	0.3	6.4	14.0	56.8	50.8	47.8	27.3	3.8	4.6	3.0	244.0
DESV	0.0	0.0	0.8	6.8	15.9	47.7	58.0	54.0	49.1	5.3	8.0	4.1	189.2
CV	-1.0	-1.0	2.4	1.1	1.1	0.8	1.1	1.1	1.8	1.4	1.7	1.4	0.8

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA	4												HOYA 307 ACONCAGUA
													EST 23 GUILLCTA
													SUP 7575 (KM2)
													LAT 3253 LON 7116 ALT 128 (MTS)
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1913	0.0	0.0	0.0	0.1	42.3	15.5	121.2	23.3	29.8	0.1	0.0	0.0	232.3
1914	0.0	0.0	0.2	0.4	102.7	282.0	130.5	87.5	84.5	60.2	53.0	0.0	801.0
1915	0.0	0.0	0.6	15.5	119.1	76.9	7.0	7.1	0.0	1.4	0.0	0.0	227.6
1916	2.7	0.0	0.6	5.4	19.5	2.4	64.2	10.2	16.0	1.3	52.1	0.4	174.8
1917	0.0	0.0	0.0	8.1	46.2	205.5	1.7	10.7	57.8	1.1	0.0	0.0	331.1
1918	0.0	0.0	0.9	47.7	29.2	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1919	0.0	0.0	0.0	43.5	333.0	190.7	159.8	43.9	23.7	5.0	0.9	0.0	800.5
1920	0.0	0.0	0.0	0.0	153.5	28.9	31.8	12.1	1.5	4.2	5.5	1.0	238.5
1921	0.0	0.0	2.3	14.8	323.1	106.0	2.3	47.5	1.7	2.3	0.2	0.0	500.2
1922	0.0	0.0	1.8	0.0	10.0	305.3	43.8	83.0	52.8	21.1	0.0	0.0	517.8
1923	0.0	0.0	0.0	0.0	0.0	96.0	155.5	116.9	0.0	19.0	2.0	0.0	389.4
1924	0.0	0.0	12.0	0.1	0.0	4.0	21.0	16.0	11.0	1.5	0.0	0.0	65.6
1925	0.0	1.0	0.0	16.0	7.0	13.0	104.0	4.0	96.0	6.0	0.0	0.0	247.0
1926	0.0	0.0	6.7	0.0	64.2	633.9	281.5	56.4	20.2	0.0	0.0	0.0	1062.9
1927	0.0	0.0	0.3	0.0	100.7	132.7	120.9	29.5	36.9	0.9	0.5	0.0	422.4
1928	0.0	2.5	0.0	45.3	90.4	186.7	42.1	11.2	21.2	1.3	0.0	0.0	400.7
1929	27.0	0.0	0.1	0.0	53.0	89.0	43.0	201.0	36.0	4.0	0.0	14.0	467.1
1930	0.1	0.0	0.0	40.0	13.0	110.0	194.0	232.0	13.0	85.0	3.0	0.0	690.1
1931	14.0	0.0	0.2	9.0	13.0	99.0	141.0	75.0	57.0	2.0	5.0	0.0	415.2
1932	0.0	1.0	1.0	7.0	50.0	116.0	89.0	170.0	16.0	1.0	2.0	18.0	471.0
1933	33.0	7.0	0.3	1.0	18.0	107.0	59.0	79.0	10.0	5.0	0.1	0.2	319.6
1934	0.0	0.1	0.2	0.4	282.0	194.0	11.0	-2.0	13.0	23.0	3.0	0.0	528.7
1935	0.0	0.0	1.0	0.0	32.0	92.0	51.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1936	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	92.0	16.0	3.0	0.0	10.0	-1.0
1937	0.0	0.0	0.0	0.0	15.0	56.0	121.0	120.0	17.0	20.0	4.0	0.0	353.0
1938	0.0	4.0	18.0	0.1	98.0	40.0	44.0	1.0	0.3	20.0	0.5	0.0	225.9
1939	0.0	0.0	0.0	0.0	72.0	132.0	12.0	58.0	25.0	34.0	0.0	40.0	373.0
1940	0.0	32.0	0.0	1.0	36.0	154.0	166.0	21.0	17.0	9.0	5.0	0.0	441.0
1941	0.0	0.0	3.0	49.0	123.0	110.0	244.0	201.0	0.2	5.0	21.0	0.0	756.2
1942	0.0	0.0	0.0	0.0	40.0	99.0	133.0	135.0	9.0	16.0	30.0	1.0	463.0
1943	0.0	0.4	17.0	4.0	33.0	32.0	29.0	89.0	5.0	5.0	0.0	0.0	214.4
1944	0.0	13.0	0.0	36.0	60.8	201.0	51.4	271.1	2.5	59.4	0.0	0.0	695.2
1945	0.0	127.5	0.0	13.6	3.3	0.8	20.2	86.4	44.5	8.7	0.1	0.0	305.1
1946	2.9	0.2	0.4	13.5	20.4	68.1	36.9	47.5	8.3	5.7	1.2	0.0	205.1
1947	0.0	0.0	0.0	3.0	25.6	129.0	45.0	44.1	6.0	27.8	0.2	0.0	280.7
1948	0.0	0.0	0.0	62.7	128.3	67.3	248.5	8.0	22.0	6.1	0.0	1.6	544.5
1949	0.0	0.0	11.5	1.1	206.4	103.7	51.7	28.4	2.1	0.0	0.0	0.0	404.9
1950	0.0	0.0	0.0	147.0	161.5	9.3	0.3	60.3	43.5	7.4	35.7	0.0	465.0
1951	0.0	0.0	0.0	34.5	70.2	183.1	190.9	7.4	23.2	0.0	0.8	0.1	510.2
MIN	0.0	0.0	0.0	0.0	0.0	0.8	0.3	1.0	0.0	0.0	0.0	0.0	65.6
MAX	33.0	127.5	18.0	147.0	333.0	633.9	281.5	271.1	96.0	85.0	53.0	40.0	1062.9
PROM	2.1	5.0	2.1	16.3	78.8	120.9	88.4	70.0	22.7	12.8	6.1	2.3	431.7
DESV	7.1	21.2	4.6	28.2	85.5	114.6	76.3	69.7	23.2	19.1	13.8	7.5	208.8
CV	3.4	4.3	2.3	1.7	1.1	0.9	0.9	1.0	1.0	1.5	2.3	3.2	0.5

407.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 4

HOYA 307 ACONCACUA
EST 24 RIO BLANCO
LAT 3255 LON 7019 ALT 1420 (MTS)

SUP 7575 (KM2)

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

ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1941	0.0	0.0	7.0	135.0	122.0	229.0	298.0	328.0	19.0	50.0	35.0	0.0	1223.0
1942	0.0	0.0	0.0	2.0	88.0	105.0	88.0	197.0	29.0	23.0	75.0	0.0	607.0
1943	0.0	0.0	54.0	0.0	97.0	74.0	36.0	39.0	36.0	30.0	0.0	14.0	300.0
1944	12.0	52.0	0.0	0.0	39.5	151.0	31.0	293.5	6.5	35.0	5.5	0.0	626.0
1945	0.0	97.0	0.0	41.0	6.5	0.0	21.0	45.0	39.5	13.0	13.5	0.0	276.5
1946	2.0	0.0	0.0	63.0	48.0	55.0	82.0	10.5	0.0	24.5	0.0	0.0	285.0
1947	0.0	4.5	5.0	0.0	21.0	258.0	45.0	81.0	18.0	35.0	0.0	0.0	467.5
1948	3.0	0.0	4.5	76.3	151.0	93.0	358.0	55.0	65.0	0.0	0.0	0.0	805.8
1949	3.5	0.0	1.0	0.0	234.0	78.0	28.5	40.5	7.0	0.0	0.0	0.0	392.5
1950	7.0	2.0	17.5	63.0	164.0	10.0	0.0	108.5	8.5	26.5	35.5	0.0	482.5
1951	3.5	2.5	0.0	120.0	134.0	203.0	145.0	45.0	32.0	0.0	11.0	0.0	696.0
1952	0.0	46.0	0.0	0.0	206.0	158.0	7.0	15.5	64.0	54.0	6.3	0.0	556.8
1953	0.0	0.0	46.0	46.0	135.5	36.5	140.0	295.0	189.5	42.0	0.0	0.0	940.5
1954	0.0	0.0	0.0	48.0	100.0	114.0	40.0	0.0	0.0	0.0	0.0	0.0	302.0
1955	0.0	0.0	0.0	15.0	128.0	160.0	-1.0	31.0	15.0	-1.0	6.0	2.0	-1.0
1956	4.0	-1.0	41.0	31.0	-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	-1.0	175.0	145.0	163.0	119.0	6.5	-1.0	0.0	-1.0
1964	0.0	0.0	22.0	0.0	0.0	78.1	64.0	50.0	0.0	0.0	0.0	19.0	233.5
1965	26.0	0.0	2.0	38.5	60.0	24.5	107.0	460.0	0.0	29.5	0.0	13.5	841.0
1966	0.0	0.0	0.0	32.0	19.0	135.0	146.0	90.5	0.0	7.0	9.0	4.0	438.5
1967	4.0	0.0	0.0	4.0	34.0	16.0	63.0	19.0	34.0	20.0	7.7	0.0	167.7
1968	0.0	0.0	0.0	31.0	0.0	0.0	-1.0	32.0	48.0	3.5	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	167.7
MAX	26.0	97.0	54.0	135.0	234.0	258.0	358.0	460.0	189.5	54.0	75.0	19.0	1223.0
PROM	3.0	9.7	9.1	33.9	89.4	102.5	97.1	114.2	34.8	20.0	10.2	2.5	535.7
DESV	6.0	24.8	16.6	39.0	69.3	76.6	94.9	127.6	46.0	17.7	18.6	5.6	281.4
CV	2.0	2.6	1.8	1.1	0.8	0.7	1.0	1.1	1.3	0.9	1.8	2.2	0.5

408.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 4 HOYA 307 ACONCAGUA SUP 7575 (KM2)
 EST 26 VILCUYA
 LAT 3255 LON 7032 ALT 1100 (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	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.8	-1.0
1965	0.0	0.0	0.0	17.5	55.9	28.1	111.7	208.1	12.5	19.3	0.2	10.3	454.6
1966	0.0	0.0	0.0	14.3	11.7	141.6	100.4	52.1	0.0	2.7	12.2	17.5	352.5
1967	0.0	0.0	0.0	0.6	12.5	34.7	30.7	16.3	21.0	29.0	3.5	0.0	148.3
1968	0.0	0.0	4.0	13.0	0.0	7.0	0.0	24.6	28.9	0.0	1.0	0.0	78.5
1969	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.6	0.0	7.0	0.0	16.3	0.0	0.0	0.2	0.0	78.5
MAX	0.0	0.0	4.0	17.5	55.9	141.6	111.7	208.1	28.9	29.0	12.2	17.5	454.6
PROM	0.0	0.0	1.0	11.3	20.0	52.8	60.7	75.3	15.6	12.7	4.2	5.9	258.5
DESV	0.0	0.0	2.0	7.4	24.6	60.3	54.0	89.9	12.4	13.8	5.5	7.8	175.0
CV	-1.0	-1.0	2.0	0.7	1.2	1.1	0.9	1.2	0.8	1.1	1.3	1.3	0.7

409.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 4 HOYA 307 ACONCAGUA SUP 7575 (KM2)

EST 28 EL TABON

LAT 3255 LON 7049 ALT 840 (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	-1.0	6.0	6.0	0.0	0.0	-1.0
1963	0.0	0.0	4.0	0.0	21.0	53.0	126.0	99.0	156.0	4.0	0.0	0.0	463.0
1965	0.0	0.0	0.0	7.0	26.0	7.0	179.0	208.0	7.0	7.0	11.0	13.0	465.0
1966	0.0	0.0	0.0	30.0	5.0	184.0	120.0	43.0	0.0	0.0	9.0	13.0	404.0
1967	3.0	0.0	0.0	1.8	11.0	29.0	30.0	19.0	39.0	1.9	0.0	0.0	134.7
1968	0.0	0.0	0.0	9.4	0.0	9.8	1.5	22.5	32.3	0.0	0.0	0.0	66.5
MIN	0.0	0.0	0.0	0.0	0.0	7.0	1.5	19.0	0.0	0.0	0.0	0.0	66.5
MAX	3.0	0.0	4.0	30.0	26.0	184.0	179.0	208.0	156.0	7.0	11.0	13.0	465.0
PROM	0.6	0.0	0.8	9.6	12.6	56.6	91.3	78.3	40.0	3.1	3.3	4.3	306.6
DESV	1.3	0.0	1.8	12.0	10.8	73.6	73.4	79.3	58.9	3.0	5.2	6.7	191.2
CV	2.2	-1.0	2.2	1.2	0.9	1.3	0.8	1.0	1.5	1.0	1.6	1.5	0.6

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 4

HOYA 307 ACONCAGUA

SUP 7575 (KM2)

EST 29 RIECILLOS

LAT 3257 LON 7023 ALT 1293 (MTS)

411.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOI
1929	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	4.7	23.2	40.6	0.0	9.8	-1.0
1930	0.0	0.0	15.2	25.2	32.6	40.3	316.3	191.5	50.9	122.7	16.6	0.0	811.3
1931	9.6	16.3	0.0	28.1	37.6	100.7	259.3	60.0	79.2	0.0	29.8	0.0	620.6
1932	0.0	15.3	0.0	5.8	165.4	77.7	160.0	129.8	15.8	20.3	4.3	40.5	629.5
1933	98.7	45.8	0.0	0.0	102.0	243.5	71.5	215.5	14.8	2.5	0.0	0.0	794.3
1934	0.0	14.2	16.3	0.0	430.3	228.1	4.0	25.8	29.2	47.5	18.8	0.0	814.2
1935	0.0	15.7	3.8	0.0	53.0	92.9	92.2	46.0	39.5	27.8	0.0	0.0	278.7
1936	0.0	1.0	0.0	36.0	202.0	50.0	69.0	78.0	23.0	0.0	8.0	6.0	473.0
1937	2.0	0.0	0.0	0.0	76.0	83.0	161.0	152.0	24.0	30.0	14.0	5.0	547.0
1938	0.0	15.0	31.0	3.0	104.0	14.0	49.0	0.0	0.0	10.0	0.0	0.0	226.0
1939	23.0	0.0	2.0	0.0	46.0	105.0	28.0	60.0	9.0	65.0	0.0	36.0	374.0
1940	2.0	0.0	0.0	27.0	86.9	95.0	184.0	66.0	51.0	25.5	2.0	0.0	539.4
1941	0.0	0.0	22.0	245.0	89.0	182.0	255.0	333.0	0.0	69.0	25.0	0.0	1220.0
1942	4.0	0.0	0.0	2.0	76.0	102.0	116.0	191.0	40.0	17.0	56.0	0.0	604.0
1943	0.0	9.0	44.0	0.0	56.0	49.0	39.0	33.0	29.0	28.0	0.0	0.0	287.0
1944	22.0	34.0	12.0	12.0	44.0	184.0	25.0	284.0	0.0	30.0	4.0	0.0	651.0
1945	0.0	100.0	0.0	40.0	6.0	7.0	84.0	3.0	61.0	6.0	19.0	0.0	326.0
1946	19.0	0.0	0.0	11.0	53.0	42.0	74.0	5.0	9.0	15.0	0.0	0.0	228.0
1947	0.0	2.0	2.0	2.0	14.0	226.0	44.0	99.0	9.0	30.0	0.0	0.0	428.0
1948	0.0	4.0	4.0	56.0	103.0	61.0	316.0	31.0	31.0	0.0	0.0	0.0	606.0
1949	13.0	0.0	0.0	0.0	222.0	29.0	28.0	47.0	2.0	0.0	0.0	0.0	341.0
1950	7.0	3.0	5.0	63.0	164.0	0.0	0.0	85.0	31.0	22.0	30.0	0.0	410.0
1951	9.0	0.0	0.0	17.0	110.0	100.0	171.0	0.0	36.0	0.0	8.0	0.0	451.0
1952	0.0	63.0	0.0	0.0	129.0	123.0	35.0	25.0	43.0	30.0	11.0	0.0	459.0
1953	4.0	0.0	0.0	36.0	111.0	55.0	131.0	302.0	156.0	43.0	0.0	0.0	838.0
1954	0.0	0.0	0.0	54.0	108.0	88.0	57.0	11.0	5.0	0.0	0.0	0.0	323.0
1955	0.0	5.0	20.0	18.0	124.0	121.0	56.0	31.0	32.0	35.0	8.0	0.0	450.0
1956	0.0	0.0	28.0	28.0	35.0	8.0	113.0	34.0	-1.0	6.0	8.0	4.0	-1.0
1957	0.0	-1.0	0.0	0.0	227.0	18.0	47.0	47.0	14.0	-1.0	0.0	17.0	-1.0
1958	0.0	0.0	3.0	0.0	137.0	163.0	7.0	31.0	34.0	4.0	28.0	0.0	407.0
1959	0.0	0.0	14.0	39.0	77.0	132.0	54.0	86.0	0.0	16.0	0.0	0.0	418.0
1960	0.0	0.0	0.0	7.0	43.0	284.0	90.0	33.0	12.0	8.0	0.0	0.0	477.0
1961	0.0	0.0	78.0	0.0	28.0	223.0	41.0	183.0	13.0	14.5	0.0	14.0	594.5
1962	0.0	0.0	0.0	0.0	70.5	244.2	35.5	36.0	15.0	37.0	0.0	9.8	448.0
1963	0.0	16.0	5.6	1.8	41.7	164.8	120.2	137.7	191.9	29.0	59.0	0.0	769.7
1964	0.0	0.0	10.3	0.0	0.0	80.5	40.2	47.0	0.0	0.0	0.0	4.5	182.5
1965	4.6	0.0	2.0	36.0	61.5	15.8	18.0	291.9	8.8	28.5	7.3	24.4	498.8
1966	0.0	0.0	0.0	18.1	23.2	187.4	156.2	72.6	0.0	13.0	10.0	17.0	497.5
1967	0.0	0.0	0.0	3.0	25.5	46.5	23.7	17.8	30.7	25.0	13.4	2.0	187.6
1968	0.0	0.0	5.9	-24.5	-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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	182.5
MAX	98.7	100.0	78.0	245.0	430.3	284.0	316.3	333.0	191.9	122.7	59.0	40.5	1220.0
PROM	5.6	9.5	8.3	21.5	92.5	107.0	94.0	90.4	30.6	23.6	9.7	4.9	505.8
DESV	16.5	20.4	15.4	41.0	80.3	78.1	83.6	92.7	39.2	24.1	14.5	9.8	217.7
CV	3.0	2.2	1.9	1.9	0.9	0.7	0.9	1.0	1.3	1.0	1.5	2.0	0.4

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 4 HOYA 307 ACONCAGUA SUP 7575 (KM2)
 EST 30 CUESTA CHACABUCO
 LAT 3257 LON 7042 ALT 1009 (MTS)

ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	-1.0	-1.0	-1.0	1.0	19.0	137.0	13.0	8.0	9.0	13.0	0.0	0.5	-1.0
1963	0.0	0.0	1.0	0.0	18.0	62.0	96.0	92.0	126.0	19.0	14.0	0.0	428.0
1964	0.0	0.0	0.0	0.0	0.0	83.0	28.0	37.0	0.0	0.0	0.0	0.0	148.0
1965	0.0	0.0	0.0	12.0	29.0	8.0	145.0	181.0	-1.0	6.0	20.0	13.0	-1.0
1966	0.0	0.0	0.0	21.0	4.0	144.0	105.0	26.0	0.0	0.0	15.0	5.0	320.0
1967	0.0	0.0	0.0	2.0	7.0	24.0	28.0	9.0	28.0	11.0	0.0	0.0	88.0
1968	0.0	0.0	0.0	9.0	0.0	9.0	0.0	16.0	26.0	0.0	0.0	0.0	60.0
MIN	0.0	0.0	0.0	0.0	0.0	8.0	0.0	8.0	0.0	0.0	0.0	0.0	60.0
MAX	0.0	0.0	1.0	21.0	29.0	144.0	145.0	181.0	126.0	19.0	20.0	13.0	428.0
PROM	0.0	0.0	0.2	6.4	11.0	66.7	59.3	52.7	31.5	7.0	7.0	2.6	210.8
DESV	0.0	0.0	0.4	8.0	11.1	57.5	55.4	63.5	47.9	7.6	8.9	4.9	156.9
CV	-1.0	-1.0	2.4	1.2	1.0	0.9	0.9	1.2	1.5	1.1	1.3	1.9	0.7

412.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 4 HOYA 307 ACONCAGUA SUP 7575 (KM2)
 EST 34 LIMACHE HDA TRINIDAD
 LAT 3301 LON 7117 ALT 88 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1918	0.0	0.0	0.0	62.0	40.8	78.4	62.7	64.7	104.3	0.0	25.5	0.0	438.6
1919	0.0	0.0	0.0	65.0	373.0	215.0	92.0	58.0	22.0	0.0	0.0	0.0	775.0
1920	0.0	0.0	0.0	0.0	156.0	41.0	31.5	15.0	0.0	9.0	0.0	0.0	252.5
1921	0.0	0.0	0.0	23.5	403.0	120.0	3.0	64.5	0.0	0.0	0.0	0.0	614.0
1922	0.0	0.0	0.0	0.0	22.5	326.5	60.5	128.0	62.5	27.5	0.0	0.0	627.5
1923	0.0	0.0	0.0	0.0	2.0	139.5	174.2	145.5	0.0	29.5	0.0	0.0	490.7
1924	0.0	0.0	4.0	0.0	0.0	6.5	48.7	5.5	0.0	0.0	0.0	0.0	64.7
1925	0.0	2.5	0.0	12.5	28.5	12.0	146.3	6.0	149.2	14.1	0.0	0.0	371.1
MIN	0.0	0.0	0.0	0.0	0.0	6.5	3.0	5.5	0.0	0.0	0.0	0.0	64.7
MAX	0.0	2.5	4.0	65.0	403.0	326.5	174.2	145.5	149.2	29.5	25.5	0.0	775.0
PROM	0.0	0.3	0.5	20.4	128.2	117.4	77.4	60.9	42.2	10.0	3.2	0.0	454.3
DESV	0.0	0.9	1.4	27.9	167.9	109.9	57.7	53.3	57.6	12.6	9.0	0.0	226.6
CV	-1.0	2.8	2.8	1.4	1.3	0.9	0.7	0.9	1.4	1.3	2.8	-1.0	0.5

413.

NOTA=VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)															

ZONA 4		FCYA 307 ACCNCACUA		SLP 7575 (KM2)		EST 35 LIMACHE		PRCP ORC		TIPC PV		LAT 2201 LEN 711E		ALT 120 (MTS)	

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

1931	17.8	1.3	0.0	8.0	17.0	114.0	129.0	52.0	57.0	1.0	2.0	0.0	439.1	*****	
1932	0.0	1.0	0.0	7.0	58.0	126.0	125.0	182.0	4.0	0.0	0.0	48.0	565.0	*****	
1933	5.0	0.0	0.0	0.0	18.0	99.0	64.0	76.0	12.0	4.0	0.0	0.0	337.0	*****	
1934	0.0	0.0	1.0	0.0	275.0	220.0	14.0	4.0	12.0	16.0	8.0	0.0	550.0	*****	
1935	0.0	0.0	0.0	0.0	25.0	104.0	51.0	33.0	16.0	20.0	0.0	0.0	255.0	*****	
1936	0.0	0.0	0.0	17.0	165.0	55.0	101.0	93.0	20.0	2.0	0.0	12.0	465.0	*****	
1937	0.0	0.0	0.0	0.0	7.0	70.0	114.0	149.0	20.0	18.0	3.0	0.0	131.0	*****	
1938	0.0	6.0	25.0	0.0	97.0	48.0	51.0	1.0	0.0	25.0	2.0	0.0	255.0	*****	
1939	0.0	0.0	0.0	0.0	83.0	126.0	23.0	60.0	47.0	41.0	0.0	37.0	417.0	*****	
1940	0.0	23.0	0.0	3.0	33.0	100.0	171.0	5.0	14.0	7.0	0.0	0.0	362.0	*****	
1941	0.0	0.0	7.0	75.0	121.0	125.0	284.0	244.0	0.0	0.0	0.0	0.0	889.0	*****	
1942	0.0	0.0	0.0	0.0	42.0	96.0	119.0	139.0	1.0	33.0	31.0	0.0	461.0	*****	
1943	0.0	0.0	1.0	6.0	46.0	40.0	26.0	169.0	15.0	4.0	0.0	0.0	225.0	*****	
1944	1.0	7.0	0.0	23.0	52.7	176.5	45.2	253.6	0.8	56.7	0.0	0.0	656.5	*****	
1945	0.0	92.5	0.0	8.8	0.0	0.0	15.0	66.3	2.5	11.3	0.0	0.0	251.0	*****	
1946	4.2	0.0	0.0	8.6	22.1	61.7	33.0	34.3	2.8	2.8	0.0	0.0	169.8	*****	
1947	0.0	0.0	0.0	6.6	33.6	119.2	31.4	42.5	5.4	28.4	0.0	0.0	307.8	*****	
1948	0.0	0.0	0.0	6.0	103.8	32.7	188.4	28.2	0.0	5.6	0.0	0.0	412.6	*****	
1949	0.0	0.0	0.0	0.0	147.0	76.0	53.0	24.4	0.0	0.0	0.0	0.0	311.0	*****	
1950	0.0	0.0	0.0	12.0	39.0	20.0	0.0	49.4	47.1	3.0	43.5	0.0	424.3	*****	
1951	0.0	0.0	0.0	39.0	15.0	109.4	134.0	13.5	12.0	0.0	0.0	0.0	262.1	*****	
1952	0.0	0.0	0.0	0.0	47.0	92.0	64.0	12.6	14.0	12.1	0.0	0.0	274.8	*****	
1953	2.4	0.0	0.0	5.0	114.0	16.0	34.0	173.0	54.4	10.4	0.0	0.0	456.3	*****	
1954	0.0	0.0	0.0	4.0	49.4	164.5	34.7	12.4	7.4	0.0	0.0	0.0	368.5	*****	
1955	0.0	0.0	0.0	11.0	43.7	92.0	10.1	51.7	8.0	4.1	0.0	7.7	190.8	*****	
1956	0.0	0.0	31.4	9.9	33.9	33.6	0.0	112.5	38.5	0.0	0.0	0.0	356.2	*****	
1957	0.0	0.0	0.0	0.0	169.0	28.0	1.0	29.0	19.0	0.0	0.0	57.0	428.5	*****	
1958	0.0	0.0	0.0	0.0	199.0	168.0	110.0	90.0	32.0	0.0	0.0	0.0	394.8	*****	
1959	4.0	0.0	9.9	14.0	26.8	149.8	95.4	52.9	18.0	10.0	0.0	0.0	381.6	*****	
1960	0.0	0.0	0.0	0.0	44.0	169.6	73.8	33.0	6.7	5.0	0.0	0.0	352.3	*****	
1961	0.0	0.0	0.0	0.0	22.0	191.0	55.4	134.0	47.0	0.0	0.0	0.0	437.6	*****	
1962	0.0	0.0	0.0	0.0	6.0	209.5	20.3	20.0	17.0	14.5	0.0	0.0	283.2	*****	
1963	0.0	0.0	0.5	0.0	64.8	209.1	235.1	188.0	89.6	0.0	0.0	0.0	631.5	*****	
1964	0.0	0.0	0.0	0.0	7.0	65.0	105.0	96.0	0.0	0.0	0.0	5.0	278.0	*****	
1965	0.0	0.0	0.0	12.0	29.0	17.0	212.4	221.0	0.0	18.5	6.4	0.0	517.0	*****	
1966	0.0	0.0	0.0	6.0	33.0	20.0	140.0	33.0	0.0	0.0	0.0	22.0	470.0	*****	
1967	0.0	0.0	0.0	33.0	40.0	44.0	150.0	26.0	90.0	0.0	0.0	0.0	353.9	*****	
1968	0.0	0.0	0.0	22.0	0.0	19.0	4.0	20.0	29.7	0.0	0.0	0.0	75.4	*****	
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	75.4	*****	
MAX	55.0	92.5	31.4	122.1	275.0	220.0	284.0	293.6	90.0	56.7	43.5	57.0	889.0	*****	
PRCM	2.2	3.7	2.7	15.9	62.6	94.8	87.1	79.5	20.9	9.6	3.6	5.0	388.1	*****	
DESV	9.3	15.4	7.2	27.0	58.7	61.9	69.0	73.5	23.1	12.2	9.9	13.5	147.9	*****	
CV	4.2	4.2	2.7	1.7	0.9	0.7	0.8	0.8	1.1	1.4	2.8	2.7	0.4	*****	

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORRIDOS

PRECIPITACIONES (MM)

 ZONA 4 HOYA 307 ACONCAGUA SUP 7575 (KM2)
 EST 37 LLIU LLIU
 LAT 3305 LON 7113 ALT 90 (MTS)

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

 1924 -1.0 -1.0 -1.0 -1.0 0.0 11.0 61.0 11.0 -1.0 -1.0 -1.0 -1.0 -1.0
 1925 0.0 5.0 0.0 12.0 29.0 11.0 154.0 8.0 174.0 11.0 0.0 0.0 404.0
 1926 -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
 1927 0.0 0.0 0.0 0.0 0.0 111.0 212.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0

415.

PRECIPITACIONES (MM)

ZONA 4

HOYA 307 ACONCAGUA

SUP 7575 (KM2)

EST 38 RESGUARDO LOS PATOS

LAT 3230 LON 7038 ALT 1216 (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	40.0	22.0	18.0	0.0	0.0	-1.0
1941	0.0	0.0	0.0	155.0	73.5	105.0	142.0	220.0	5.0	8.0	18.0	0.0	726.5
1942	0.0	0.0	0.0	0.0	48.0	98.0	70.5	143.0	41.0	20.0	35.0	0.0	455.5
1943	0.0	0.0	26.0	0.0	25.0	18.0	19.0	35.0	16.0	0.9	0.0	0.0	139.9
1944	55.0	26.0	0.0	0.9	33.0	128.0	0.0	162.5	0.0	35.0	0.0	0.0	440.4
1945	0.0	78.0	0.0	9.0	0.0	0.0	53.0	6.0	64.0	0.0	0.0	0.0	210.0
1946	0.0	0.0	0.0	9.0	39.0	30.0	33.0	6.0	7.0	0.0	0.0	0.0	124.0
1947	0.0	0.0	2.0	3.0	6.0	107.0	32.0	69.0	3.0	30.0	0.0	0.0	252.0
1948	0.0	0.0	0.0	44.0	55.0	49.0	185.0	20.0	27.0	7.0	0.0	0.0	387.0
1949	4.0	0.0	2.0	0.0	100.0	10.0	14.0	27.0	0.0	0.0	0.0	0.0	157.0
1950	0.0	0.0	0.0	65.0	155.0	0.0	0.0	69.0	27.0	55.0	25.0	0.0	396.0
1951	11.0	0.0	0.0	21.0	93.0	83.0	152.0	9.0	27.0	0.0	0.0	0.0	396.0
1952	0.0	40.0	0.0	0.0	95.0	104.0	48.0	18.0	56.0	23.0	0.0	0.0	384.0
1953	0.0	0.0	0.0	16.0	88.0	55.0	65.0	234.0	48.0	27.0	0.0	0.0	533.0
1954	0.0	0.0	0.0	57.0	60.0	68.0	36.0	10.0	0.0	0.0	0.0	0.0	231.0
1955	0.0	0.0	10.0	22.0	107.0	38.0	49.0	36.0	16.0	34.0	9.0	16.0	337.0
1956	0.0	0.0	25.0	13.0	17.0	7.0	82.0	32.0	15.0	15.0	0.0	10.0	216.0
1957	0.0	0.0	0.0	0.0	199.0	8.0	37.0	50.0	14.0	7.0	0.0	23.0	338.0
1958	0.0	0.0	7.0	0.0	109.0	89.0	22.0	18.0	12.0	0.0	13.0	0.0	270.0
1959	0.0	0.0	11.0	17.0	53.0	112.0	57.0	74.0	0.0	11.0	0.0	0.0	335.0
1960	0.0	0.0	0.0	0.0	22.0	153.0	57.0	27.0	10.0	8.0	0.0	0.0	277.0
1961	0.0	0.0	24.0	0.0	40.0	106.0	17.0	100.5	9.5	14.5	0.0	3.0	314.5
1962	0.0	0.0	0.2	0.0	55.0	159.0	17.0	11.0	9.0	11.0	0.0	0.0	262.2
1963	9.0	1.0	2.0	0.0	28.0	90.0	75.0	80.0	116.0	13.0	30.0	0.0	444.0
1964	0.0	0.0	0.0	0.0	0.0	51.5	39.5	59.5	0.0	0.0	0.0	1.0	151.5
1965	0.0	0.0	0.5	12.0	46.0	16.0	139.0	258.5	8.0	18.0	0.0	6.5	504.5
1966	0.0	0.0	0.0	16.0	6.0	145.5	92.5	47.5	0.0	5.5	12.5	11.0	336.5
1967	0.0	0.0	0.0	0.0	8.0	45.5	45.0	9.0	95.0	145.0	0.0	0.0	347.5
1968	0.0	0.0	2.5	17.5	0.0	9.5	0.0	-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	6.0	0.0	0.0	0.0	0.0	124.0
MAX	55.0	78.0	26.0	155.0	199.0	159.0	185.0	258.5	116.0	145.0	35.0	23.0	726.5
PROM	2.8	5.2	4.0	17.0	55.7	67.3	56.4	66.8	23.1	18.1	5.1	2.5	332.1
DESV	10.6	16.8	8.0	32.1	48.8	49.8	47.9	71.9	29.1	28.3	10.1	5.7	135.9
CV	3.7	3.2	2.0	1.9	0.9	0.7	0.8	1.1	1.3	1.6	2.0	2.3	0.4

416.

NCTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 4

HOYA 307 ACONCAGUA
EST 39 JAHUEL BANCOS
LAT 3241 LON 7039 ALT 1180 (MTS)

SUP 7575 (KM2)

417.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

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*****
*****PRECIPITACIONES (MM)*****
*****
ZCNA 4 FCYA 307 ACCONCAGUA SUP 7575 (KM2)
EST 40 CRISIC FACH FRCP 600 TIPC MT
LAT 3250 LON 7000 ALT 3030 (MTS)
*****
ANC ENE FEB MAR APR MAY JUN JUL AG SEP OCT NOV DIC JCT
1968 0.2 2.0 12.8 4.0 9.0 16.9 4.6 122.2 -1.0 42.0 -1.0 -1.0 -1.0
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418.