

PLUVIOMETRIA DE CHILE

ANEXO I

HOYA HIDROGRÁFICA N° 305
Río Limarí

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 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 305 LIMARI

SUP 11927 (KM2)

EST 1 HURTADO

LAT 3015 LON 7054 ALT 1000 (MTS)

311.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1943	-1.0	-1.0	-1.0	-1.0	7.0	72.0	23.0	34.0	7.0	6.0	0.0	0.0	-1.0
1944	0.0	7.5	0.0	39.0	38.0	115.0	0.0	44.0	0.0	12.0	0.0	0.0	255.5
1945	0.0	71.0	0.0	0.0	0.0	0.0	10.0	0.0	32.0	0.0	0.0	0.0	113.0
1946	0.0	0.0	0.0	0.0	37.0	42.0	6.0	0.0	0.0	0.0	0.0	0.0	85.0
1947	0.0	0.0	0.0	2.5	0.0	19.0	23.0	49.0	0.0	0.0	0.0	0.0	93.5
1948	0.0	0.0	0.0	0.0	9.0	14.0	70.5	16.0	0.0	0.0	0.0	0.0	109.5
1949	0.0	0.0	0.0	0.0	3.0	6.0	79.0	51.0	0.0	0.0	0.0	0.0	139.0
1950	0.0	0.0	0.0	15.0	73.0	0.0	0.0	9.0	4.0	0.0	8.0	0.0	109.0
1951	0.0	0.0	0.0	13.0	15.0	11.0	20.0	9.0	4.0	0.0	0.0	0.0	72.0
1952	0.0	10.0	0.0	0.0	35.0	33.0	36.0	0.0	17.0	0.0	0.0	0.0	131.0
1953	0.0	0.0	0.0	0.0	3.0	25.0	11.0	60.0	0.0	0.0	0.0	0.0	99.0
1954	0.0	0.0	0.0	11.0	19.0	21.0	11.0	13.0	0.0	0.0	0.0	0.0	75.0
1955	0.0	0.0	0.0	0.0	23.0	3.0	0.0	19.0	0.0	17.0	0.0	0.0	62.0
1956	0.0	0.0	19.0	0.0	0.0	4.0	12.0	21.5	9.0	0.0	0.0	0.0	65.5
1957	0.0	0.0	0.0	0.0	285.0	33.0	75.0	0.0	0.0	0.0	0.0	23.0	416.0
1958	0.0	0.0	0.0	0.0	3.0	28.0	37.0	22.0	0.0	0.0	0.0	0.0	90.0
1959	0.0	0.0	0.0	35.0	3.0	84.0	16.0	37.0	0.0	0.0	0.0	0.0	175.0
1960	0.0	0.0	0.0	0.0	1.0	17.0	5.0	0.0	1.0	2.0	0.0	0.0	26.0
1961	0.0	0.0	0.0	0.0	2.0	46.0	17.0	103.0	0.0	19.0	0.0	0.0	187.0
1962	0.0	0.0	0.0	0.0	0.0	45.0	2.0	10.0	0.0	20.0	0.0	0.0	77.0
1963	0.0	0.0	0.0	0.0	7.0	66.0	48.0	36.5	67.0	4.0	26.0	0.0	254.5
1964	0.0	0.0	0.0	0.0	0.0	58.0	13.0	19.0	0.0	0.0	0.0	0.0	90.0
1965	0.0	0.0	0.0	8.0	13.0	10.0	142.5	171.0	4.0	0.0	8.0	0.0	356.5
1966	0.0	0.0	0.0	10.0	0.0	101.5	112.0	39.0	0.0	0.0	3.0	0.0	265.5
1967	0.0	0.0	0.0	0.0	0.0	41.0	8.0	0.0	36.0	5.0	0.0	0.0	90.0
1968	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0
MAX	0.0	71.0	19.0	39.0	285.0	115.0	142.5	171.0	67.0	20.0	26.0	23.0	416.0
PROM	0.0	3.5	0.8	5.6	23.0	35.8	31.1	30.5	7.2	3.4	1.8	0.9	143.2
DESV	0.0	14.3	3.9	10.8	57.3	31.8	37.2	38.1	15.8	6.4	5.5	4.6	98.5
CV	-1.0	4.0	4.9	1.9	2.5	0.9	1.2	1.2	2.2	1.9	3.1	5.0	0.7

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 305 LIMARI

SUP 11927 (KM2)

312.

EST 5 SERON

LAT 3019 LON 7045 ALT 1642 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1943	-1.0	-1.0	-1.0	-1.0	4.7	68.0	16.0	30.0	6.0	0.0	0.0	0.0	-1.0
1944	0.0	4.0	0.0	29.5	30.0	86.0	0.0	15.0	17.0	8.5	0.0	0.0	196.0
1945	0.0	86.0	0.0	0.0	0.0	0.0	15.0	0.0	38.5	0.0	0.0	0.0	139.5
1946	-1.0	-1.0	-1.0	-1.0	32.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0
1947	0.0	0.0	0.0	0.0	0.0	19.5	29.0	31.0	0.0	0.0	0.0	0.0	79.5
1948	0.0	0.0	0.0	0.0	10.0	12.0	50.0	7.0	0.0	0.0	0.0	0.0	79.0
1949	0.0	0.0	0.0	0.0	0.0	4.0	126.0	31.0	0.0	0.0	0.0	0.0	161.0
1950	0.0	0.0	0.0	13.5	48.0	0.0	0.0	10.0	5.0	2.0	10.0	0.0	88.5
1951	0.0	0.0	0.0	20.0	12.0	13.0	26.0	0.0	2.0	0.0	0.0	0.0	73.0
1952	0.0	37.0	0.0	0.0	42.5	46.0	32.0	9.0	17.0	6.0	0.0	0.0	189.5
1953	0.0	0.0	0.0	0.0	0.0	15.0	6.0	26.0	0.0	0.0	0.0	0.0	47.0
1954	0.0	0.0	0.0	5.5	9.0	33.5	0.0	9.5	0.0	0.0	0.0	0.0	57.5
1955	-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
1956	0.0	0.0	0.0	0.0	3.0	0.0	13.0	15.0	10.0	0.0	0.0	0.0	41.0
1957	0.0	0.0	0.0	0.0	198.0	14.0	61.0	0.0	13.0	0.0	0.0	23.0	309.0
1958	0.0	0.0	0.0	0.0	0.0	30.0	39.5	0.0	12.5	0.0	0.0	0.0	82.0
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	41.0
MAX	0.0	86.0	0.0	29.5	198.0	86.0	126.0	31.0	38.5	8.5	10.0	23.0	309.0
PROM	0.0	9.8	0.0	5.3	25.2	24.5	27.6	12.2	8.1	1.1	0.7	1.5	118.7
DESV	0.0	25.1	0.0	9.7	50.4	25.3	33.3	12.0	10.6	2.6	2.6	5.9	77.4
CV	-1.0	2.6	-1.0	1.8	1.9	1.0	1.2	1.0	1.3	2.4	3.9	3.9	0.7

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)

EST 7 LAS BREAS

LAT 3020 LON 7038 ALT 1000 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1943	-1.0	-1.0	-1.0	-1.0	12.0	56.0	19.0	29.0	3.0	14.0	0.0	0.0	-1.0
1944	9.0	10.0	2.0	34.0	37.0	127.0	4.0	27.0	8.0	8.0	0.0	0.0	272.0
1945	0.0	54.0	0.0	0.0	0.0	0.0	28.0	0.0	64.0	0.0	0.0	0.0	146.0
1946	3.0	0.0	0.0	2.0	38.5	48.0	7.0	0.0	0.0	0.0	0.0	0.0	98.5
1947	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1948	-1.0	-1.0	-1.0	-1.0	0.0	12.0	99.0	6.0	0.0	0.0	0.0	0.0	-1.0
1949	0.0	0.0	0.0	0.0	1.0	10.0	91.0	62.0	0.0	0.0	0.0	0.0	164.0
1950	0.0	0.0	0.0	14.0	97.0	0.0	0.0	10.0	5.0	0.0	8.0	0.0	134.0
1960	0.0	0.0	0.0	0.0	5.0	78.0	7.0	0.0	10.0	0.0	0.0	0.0	100.0
1961	0.0	0.0	0.0	0.0	4.0	32.0	25.0	75.0	0.0	29.0	0.0	0.0	165.0
1962	0.0	0.0	0.0	0.0	0.0	25.0	5.0	10.0	0.0	31.0	0.0	0.0	71.0
1963	0.0	0.0	0.0	0.0	10.0	64.0	46.0	30.0	48.0	0.0	23.0	0.0	221.0
1964	0.0	0.0	0.0	0.0	0.0	47.0	15.0	25.0	0.0	7.0	0.0	0.0	94.0
1965	0.0	0.0	0.0	15.0	15.0	10.0	101.0	164.0	11.0	0.0	15.0	0.0	331.0
1966	0.0	0.0	0.0	8.0	0.0	35.5	50.0	19.0	0.0	0.0	0.0	0.0	112.5
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	0.0	0.0	0.0	0.0	0.0	0.0	71.0
MAX	9.0	54.0	2.0	34.0	97.0	127.0	101.0	164.0	64.0	31.0	23.0	0.0	331.0
PRDM	0.9	4.9	0.2	6.1	15.7	38.9	35.5	32.6	10.6	6.4	3.3	0.0	159.1
DESV	2.6	15.0	0.6	10.4	26.8	35.1	36.6	44.0	19.9	10.9	7.2	0.0	78.8
CV	2.8	3.0	3.6	1.7	1.7	0.9	1.0	1.3	1.9	1.7	2.2	-1.0	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)
 EST 8 SAMO ALTO
 LAT 3024 LON 7058 ALT 500 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	0.0	0.0	0.0	0.0	0.7	18.0	0.0	2.0	0.0	18.0	0.0	0.0	38.7
1963	0.0	0.0	0.0	0.0	10.0	26.0	43.0	27.0	104.0	0.0	10.0	0.0	220.0
1964	0.0	0.0	0.0	0.0	0.0	23.0	11.0	24.0	0.0	0.0	0.0	0.0	58.0
1965	0.0	0.0	0.0	12.0	42.0	4.0	129.0	82.0	0.0	0.0	0.0	0.0	269.0
1966	0.0	0.0	0.0	2.0	0.0	60.0	47.0	16.0	0.0	0.0	1.0	0.0	126.0
1967	0.0	0.0	0.0	0.0	0.0	30.0	7.5	0.0	38.0	3.5	0.0	0.0	79.0
1968	0.0	0.0	0.0	0.0	1.0	32.0	0.0	0.0	6.0	0.0	0.0	0.0	39.0
MIN	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	38.7
MAX	0.0	0.0	0.0	12.0	42.0	60.0	129.0	82.0	104.0	18.0	10.0	0.0	269.0
PROM	0.0	0.0	0.0	2.0	7.7	27.6	33.9	21.6	21.1	3.1	1.6	0.0	118.5
DESV	0.0	0.0	0.0	4.5	15.6	17.1	46.2	29.0	39.1	6.7	3.7	0.0	92.1
CV	-1.0	-1.0	-1.0	2.2	2.0	0.6	1.4	1.3	1.8	2.2	2.4	-1.0	0.8

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 305 LIMARI
EST 9 PICHASCA

SUP 11927 (KM2)

315.

LAT 3025 LON 7047 ALT 1000 (MTS)

AND	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1946	-1.0	-1.0	-1.0	-1.0	29.0	30.0	7.0	0.0	0.0	0.0	0.0	0.0	-1.0
1947	0.0	0.0	0.0	0.0	0.0	16.0	29.0	32.0	0.0	0.0	0.0	0.0	77.0
1948	0.0	0.0	0.0	0.0	31.0	10.5	51.0	2.5	0.0	0.0	0.0	0.0	95.0
1949	0.0	0.0	0.0	0.0	6.0	19.0	64.0	48.0	0.0	0.0	0.0	0.0	137.0
1950	0.0	0.0	0.0	19.0	72.0	0.0	0.0	19.0	7.0	8.5	17.0	0.0	142.5
1951	0.0	0.0	0.0	19.0	20.0	14.9	19.0	0.0	5.0	0.0	0.0	0.0	77.9
1952	0.0	48.0	0.0	0.0	43.0	118.5	37.5	0.0	5.0	0.0	0.0	0.0	252.0
1953	0.0	0.0	0.0	0.0	0.0	2.0	11.0	53.0	5.0	0.0	0.0	0.0	71.0
1954	0.0	0.0	0.0	5.0	19.0	32.0	19.0	25.0	0.0	0.0	0.0	0.0	100.0
1955	0.0	0.0	0.0	0.0	28.0	0.0	8.0	21.0	0.0	19.0	0.0	0.0	76.0
1956	0.0	0.0	0.0	0.0	0.0	0.0	11.0	13.5	18.5	0.0	0.0	0.0	43.0
1957	0.0	0.0	0.0	0.0	212.0	0.0	54.0	0.0	0.0	0.0	0.0	41.0	307.0
1958	0.0	0.0	0.0	0.0	0.0	55.0	24.0	10.5	7.0	3.0	0.0	0.0	99.5
1959	0.0	0.0	0.0	21.0	0.0	63.5	5.0	36.0	0.0	0.0	0.0	0.0	125.5
1960	0.0	0.0	0.0	0.0	2.5	35.0	8.0	0.0	0.0	0.0	0.0	0.0	45.5
1961	0.0	0.0	1.5	0.0	0.0	59.0	13.5	111.0	0.0	23.0	0.0	0.0	208.0
1962	0.0	0.0	0.0	0.0	0.0	-1.0	0.0	0.0	0.0	18.0	0.0	0.0	-1.0
1963	0.0	0.0	0.0	0.0	10.0	29.5	42.0	31.0	88.0	0.0	13.0	0.0	213.5
1964	0.0	0.0	0.0	0.0	0.0	29.5	16.0	26.0	0.0	0.0	0.0	0.0	71.5
1965	0.0	0.0	0.0	17.5	-1.0	7.0	133.0	102.0	0.5	0.0	0.5	0.0	-1.0
1966	0.0	0.0	0.0	2.0	0.0	64.5	80.0	18.0	0.0	0.0	0.0	0.0	164.5
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	43.0
MAX	0.0	48.0	1.5	21.0	212.0	118.5	133.0	111.0	88.0	23.0	17.0	41.0	307.0
PROM	0.0	2.4	0.1	4.2	23.6	29.3	30.1	26.1	6.5	3.4	1.5	2.0	128.1
DESV	0.0	10.7	0.3	7.8	48.3	30.3	32.3	31.2	19.2	7.3	4.5	8.9	74.3
CV	-1.0	4.5	4.5	1.9	2.0	1.0	1.1	1.2	3.0	2.1	3.1	4.6	0.6

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 305 LIMARI
EST 10 TRANQUE RECLETA
LAT 3029 LON 7107 ALT 413 (MTS)

SUP 11927 (KM2)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1938	0.0	0.0	4.0	0.0	43.7	27.6	10.5	0.0	0.0	0.0	0.0	0.0	85.8
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	15.0	76.0	76.0	79.0	42.0	0.1	0.0	0.0	0.0	288.1
1941	0.0	0.0	0.0	0.4	76.0	21.0	50.0	78.0	0.0	0.0	0.0	0.0	225.4
1942	0.0	0.0	0.0	0.0	15.0	45.3	27.4	45.8	4.8	12.3	2.5	0.0	157.1
1943	0.0	0.0	0.3	0.0	10.9	42.1	19.5	60.8	4.5	0.0	0.0	0.0	138.1
1944	2.0	4.0	0.2	17.0	29.7	105.3	3.0	38.0	0.0	7.5	0.0	0.0	207.3
1945	0.0	57.0	0.0	0.0	0.0	0.3	0.1	30.3	7.5	0.0	0.0	0.0	95.2
1946	0.0	0.0	0.0	2.0	27.1	54.9	0.1	4.5	0.0	0.0	0.0	0.0	94.6
1947	0.0	0.0	0.0	0.0	0.0	9.5	44.8	16.0	0.0	2.5	0.0	0.0	72.8
1948	0.0	0.0	0.0	0.0	18.2	44.3	12.6	12.0	0.0	1.5	0.0	0.0	88.6
1949	0.0	0.0	0.0	0.0	14.8	12.5	59.2	25.5	0.0	0.0	0.0	0.0	112.0
1950	0.0	0.0	0.0	15.8	52.4	0.0	0.0	0.0	6.3	3.5	9.3	0.0	87.3
1951	0.0	0.0	0.0	0.0	20.8	23.4	17.0	1.0	4.1	0.0	0.0	0.0	66.3
1952	0.0	0.0	0.0	0.0	39.9	68.2	42.7	0.0	3.0	0.0	0.0	0.0	153.8
1953	0.0	0.0	0.0	7.0	7.2	2.0	19.0	41.1	21.3	0.0	0.0	0.0	97.6
1954	0.0	0.0	0.0	16.8	26.4	41.8	20.7	33.4	0.0	0.0	0.0	0.0	139.1
1955	0.0	0.0	0.0	6.0	17.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1956	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1957	0.0	0.0	0.0	0.0	277.5	3.0	38.0	0.0	0.0	0.0	0.0	0.0	342.5
1958	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1959	0.0	0.0	0.0	12.0	2.0	54.0	4.5	35.0	0.0	0.0	0.0	0.0	107.5
1960	0.0	0.0	0.0	0.0	8.5	7.0	0.0	1.0	4.0	0.0	0.0	0.0	20.5
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	50.0	0.0	2.0	0.0	15.0	0.0	0.0	67.0
1963	0.0	0.0	0.0	0.0	13.0	38.0	58.5	41.6	78.0	0.0	4.5	0.0	233.6
1964	0.0	0.0	0.0	0.0	0.0	25.5	13.0	23.0	0.0	0.0	0.0	0.0	61.5
1965	0.0	0.0	0.0	1.0	24.5	3.0	148.0	99.5	0.0	0.0	0.0	0.0	276.0
1966	0.0	0.0	0.0	0.0	0.0	-1.0	-1.0	9.0	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	20.5
MAX	2.0	57.0	4.0	17.0	277.5	105.3	148.0	99.5	78.0	15.0	9.3	0.0	342.5
PROM	0.1	2.4	0.2	3.7	32.0	31.4	29.0	26.6	5.6	1.8	0.7	0.0	139.9
DESV	0.4	11.4	0.8	6.2	55.5	27.9	34.5	26.6	16.1	4.1	2.1	0.0	83.7
CV	5.0	4.7	4.4	1.7	1.7	0.9	1.2	1.0	2.9	2.3	3.1	-1.0	0.6

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)
 EST 12 TUQUI
 LAT 3034 LON 7112 ALT 324 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1943	0.0	0.0	1.0	0.0	15.0	53.0	13.0	65.0	3.0	0.0	0.0	0.0	150.0
1944	0.3	2.0	0.0	19.0	20.7	119.2	0.0	54.4	0.0	3.5	0.0	0.0	227.1
1945	0.0	54.5	0.0	1.4	0.0	0.3	0.0	30.6	9.1	0.0	0.0	0.0	95.9
1946	0.0	0.0	0.0	6.0	35.7	60.2	5.6	8.3	0.5	0.0	0.0	0.0	136.3
1947	0.0	0.0	0.0	0.0	0.0	13.6	34.1	10.3	1.6	7.5	0.0	0.0	67.1
1948	0.0	0.0	0.0	2.4	9.7	4.1	48.1	6.9	0.0	0.8	0.0	0.0	72.0
1949	0.0	0.0	0.0	0.5	23.5	18.7	76.0	35.7	0.0	0.0	0.0	0.0	156.7
1950	0.0	0.0	0.0	20.5	92.8	0.4	0.0	0.0	0.0	9.6	3.4	15.4	142.1
1951	0.0	0.0	0.0	0.5	29.6	42.0	28.0	0.0	0.0	0.0	0.0	0.0	100.1
1952	0.0	0.0	0.0	0.0	30.4	102.4	49.2	0.6	3.4	0.0	0.0	0.0	194.0
1953	0.0	0.0	0.0	37.6	14.9	1.4	12.0	50.4	15.5	0.0	0.0	0.0	132.4
1954	0.0	0.0	0.0	27.0	37.3	53.4	22.3	32.1	0.0	0.0	0.0	0.0	172.1
1955	0.0	0.0	2.8	0.0	15.9	0.0	3.5	12.0	1.4	6.7	0.0	0.0	42.3
1956	0.0	0.0	32.7	0.0	2.4	1.0	27.1	38.4	26.2	0.0	0.0	0.0	127.8
1957	-1.0	-1.0	-1.0	-1.0	267.2	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1958	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1959	0.0	0.0	0.0	15.0	-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	5.4	22.4	8.3	2.3	0.0	0.0	0.0	0.0	38.4
1962	0.0	0.0	0.3	0.0	-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	15.6	26.9	61.8	31.5	95.0	0.0	0.0	0.0	236.8
1964	0.0	0.0	0.0	0.0	0.0	16.8	14.6	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1965	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	125.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1966	0.0	0.0	0.0	4.3	-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	38.4
MAX	0.3	54.5	32.7	37.6	267.2	119.2	125.3	65.0	95.0	9.6	3.4	15.4	236.8
PROM	0.0	2.8	1.8	6.7	34.2	31.5	29.4	23.7	9.7	1.8	0.2	1.0	130.7
DESV	0.1	12.2	7.3	11.0	62.0	36.2	32.8	21.4	23.9	3.2	0.8	3.8	59.7
CV	4.5	4.3	4.0	1.6	1.8	1.1	1.1	0.9	2.5	1.8	4.0	4.0	0.5

317.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)
 EST 13 CERRILLOS DE TAMAYA
 LAT 3035 LON 7120 ALT 300 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	0.0	0.0	0.0	0.0	0.0	89.0	-1.0	8.0	0.0	7.0	0.0	0.0	-1.0
1963	0.0	0.0	0.0	0.0	0.0	14.0	48.0	66.0	37.0	107.0	0.0	2.0	276.0
1964	0.0	0.0	0.0	1.0	0.0	13.0	9.0	11.0	0.0	0.0	0.0	0.0	34.0
1965	0.0	0.0	0.0	2.0	32.0	1.0	131.0	118.0	0.0	0.0	0.0	0.0	284.0
1966	0.0	0.0	0.0	0.0	0.5	41.0	76.0	1.5	0.0	0.0	0.0	0.0	119.0
1968	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	6.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	6.0
MAX	0.0	0.0	0.0	2.0	32.0	89.0	131.0	118.0	107.0	7.0	2.0	0.0	284.0
PROM	0.0	0.0	0.0	0.5	7.8	32.0	56.4	30.3	17.8	1.2	0.3	0.0	143.4
DESV	0.0	0.0	0.0	0.8	13.1	34.4	53.5	44.8	43.7	2.9	0.8	0.0	130.6
CV	-1.0	-1.0	-1.0	1.7	1.7	1.1	0.9	1.5	2.4	2.4	2.4	-1.0	0.9

318.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 305 LIMARI

SUP 11927 (KM2)

319.

EST 14 OVALLE

LAT 3036 LON 7112 ALT 220 (MTS)

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

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1912	0.0	0.0	0.0	0.0	60.5	0.0	0.0	12.7	0.0	0.0	0.0	0.0	73.2
1913	0.0	0.0	0.0	0.0	1.5	0.0	22.5	13.5	0.0	0.0	0.0	0.0	37.5
1914	0.0	0.0	0.0	0.0	5.0	175.5	48.6	9.5	47.5	0.0	21.5	0.0	307.6
1915	0.0	0.0	0.0	0.0	77.1	16.1	0.0	0.0	0.0	0.0	0.0	0.0	93.2
1916	0.0	0.0	0.0	0.0	0.0	0.0	10.0	2.0	20.0	0.0	2.0	0.0	34.0
1917	0.0	0.0	0.0	2.0	10.5	46.0	6.0	0.0	10.0	0.0	0.0	0.0	74.5
1918	0.0	0.0	0.0	0.0	0.0	26.0	32.5	0.0	48.7	1.0	0.0	0.0	108.2
1919	0.0	0.0	0.0	0.0	185.8	73.0	96.0	12.7	0.0	0.0	0.0	0.0	367.5
1920	0.0	0.0	0.0	0.0	28.9	16.4	5.0	5.1	0.0	3.5	0.0	0.0	58.9
1921	0.0	0.0	0.0	0.0	117.8	40.1	0.4	9.3	0.3	0.0	0.0	0.1	168.0
1922	0.0	0.0	0.0	0.0	0.0	55.8	15.5	74.3	16.4	0.0	0.0	0.0	162.0
1923	0.0	0.0	0.0	0.0	0.0	22.5	71.2	35.6	0.0	1.4	0.0	0.0	130.7
1924	0.0	0.0	0.0	0.3	0.0	1.5	0.0	3.0	20.2	0.9	0.0	0.0	25.9
1925	0.0	0.0	0.0	0.0	0.4	0.0	42.2	0.8	0.2	27.5	0.0	0.0	71.1
1926	0.0	0.0	0.0	0.0	35.5	158.3	114.4	30.4	8.1	0.0	0.0	0.0	346.7
1927	0.0	0.0	0.0	0.0	19.0	94.5	13.5	1.5	0.0	0.0	0.0	0.0	128.5
1928	0.0	0.0	0.0	14.0	22.0	67.9	49.0	1.5	0.0	0.0	0.0	0.0	154.4
1929	0.0	0.0	0.0	0.0	0.0	121.8	14.0	3.5	5.0	0.0	0.0	0.0	144.3
1930	0.0	0.0	0.0	1.0	0.5	66.5	58.0	139.0	8.5	0.0	0.0	0.0	273.5
1931	0.0	0.0	0.0	17.0	2.5	45.5	36.5	17.0	29.0	0.0	4.0	0.0	151.5
1932	0.0	0.0	0.0	0.0	46.0	69.5	13.5	27.5	0.0	0.0	0.0	9.0	165.5
1933	0.0	0.0	0.0	0.0	19.0	32.5	0.5	0.1	0.0	0.0	0.0	0.0	52.1
1934	0.0	0.0	0.0	0.0	98.0	51.3	0.0	6.0	2.5	2.5	0.0	0.0	160.3
1935	0.0	0.0	0.0	0.0	3.5	46.3	34.5	9.5	0.0	9.0	0.0	0.0	102.8
1936	0.0	0.0	0.0	1.0	15.5	7.5	47.2	10.5	0.0	1.0	0.0	0.0	82.7
1937	0.0	0.0	0.0	0.0	1.1	33.7	35.0	40.2	6.4	0.0	0.0	0.0	116.4
1938	0.0	0.0	0.0	0.0	34.5	26.2	14.9	0.0	0.0	0.0	0.0	0.0	75.6
1939	0.0	0.0	0.0	0.0	3.7	39.0	4.9	0.0	10.4	32.1	0.0	26.8	116.9
1940	0.0	0.0	0.0	0.4	10.2	73.4	59.7	45.2	0.6	0.0	0.0	0.0	189.5
1941	0.0	0.0	0.0	3.1	82.9	20.2	53.7	75.4	0.0	0.0	0.0	0.0	235.3
1942	0.0	0.0	0.0	0.0	15.5	35.1	23.1	36.0	5.0	28.0	3.4	0.0	146.1
1943	0.0	0.0	1.4	0.0	11.0	45.0	13.0	56.0	3.0	0.0	0.0	0.0	129.4
1944	0.0	2.5	0.0	15.0	24.0	112.0	4.0	50.0	0.0	3.0	0.0	0.0	210.5
1945	0.0	52.0	0.0	1.0	0.0	0.0	0.0	30.6	7.0	0.0	0.0	0.0	90.6
1946	0.0	0.0	0.0	4.0	34.0	73.0	3.0	10.0	0.0	0.0	0.0	0.0	124.0
1947	0.0	0.0	0.0	0.0	0.0	8.0	24.0	10.0	0.0	5.0	0.0	0.0	47.0
1948	0.0	0.0	0.0	4.0	10.0	6.0	50.0	7.0	0.0	0.0	0.0	0.0	77.0
1949	0.0	0.0	0.0	0.0	16.0	25.0	81.1	32.0	0.0	0.0	0.0	0.0	154.1
1950	0.0	0.0	0.0	17.2	91.2	0.0	0.0	0.0	8.6	2.0	13.2	0.0	132.2
1951	0.0	0.0	0.0	0.0	26.0	36.0	27.0	0.0	0.0	0.0	0.0	0.0	89.0
1952	0.0	0.0	0.0	0.0	31.0	95.8	45.6	0.0	2.8	0.0	0.0	0.0	175.2
1953	0.0	0.0	0.0	5.3	3.3	3.0	13.4	49.5	12.2	0.0	0.0	0.0	86.7
1954	0.0	0.0	0.0	5.0	16.4	49.0	16.0	18.0	0.0	0.0	0.0	0.0	104.4
1955	0.0	0.0	0.0	0.0	0.0	0.0	4.4	12.7	0.0	5.8	0.0	0.0	22.9
1956	0.0	0.0	29.8	0.0	2.1	0.7	30.0	30.6	22.1	0.0	0.9	0.0	116.2
1957	0.0	0.0	0.0	0.0	256.7	9.0	51.0	2.0	6.0	0.0	0.0	18.4	343.1
1958	0.0	0.0	2.6	0.0	1.7	42.0	33.2	42.7	5.5	6.3	0.0	0.0	134.0
1959	0.0	0.0	0.0	15.0	0.0	64.2	2.3	29.8	0.0	0.0	0.0	0.0	111.3
1960	0.0	0.0	0.0	0.0	6.0	21.0	2.0	2.6	0.0	0.0	0.0	0.0	31.6
1961	0.0	0.0	0.0	0.0	0.0	65.3	14.0	66.5	0.0	5.0	0.0	0.0	150.8

ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	0.0	0.0	0.0	0.0	0.0	27.4	0.0	0.0	0.0	25.2	0.0	0.0	52.6
1963	0.0	0.0	0.0	0.0	16.5	29.6	50.4	32.6	91.3	0.0	0.0	0.0	220.4
1964	-1.0	-1.0	-1.0	-1.0	-1.0	18.4	15.3	18.9	0.0	0.0	0.0	0.0	-1.0
1965	-1.0	-1.0	-1.0	-1.0	-1.0	1.6	122.0	96.4	0.0	0.0	0.0	0.0	-1.0
1966	0.0	0.0	0.0	5.2	0.0	73.5	27.9	1.8	0.0	0.0	-1.0	-1.0	-1.0
1967	0.0	0.0	0.0	0.0	0.8	13.9	31.9	1.0	41.7	-1.0	0.0	0.0	-1.0
1968	0.0	0.0	0.0	0.0	0.0	30.0	2.0	5.0	0.0	0.0	0.0	0.0	37.0
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	22.9
MAX	0.0	52.0	29.8	17.2	256.7	175.5	122.0	139.0	91.3	32.1	21.5	26.8	367.5
PROM	0.0	1.0	0.6	2.0	26.2	40.6	27.9	21.8	7.4	2.8	0.8	1.0	132.0
DESV	0.0	7.0	4.0	4.6	47.6	38.9	28.7	27.6	16.0	7.4	3.4	4.4	81.9
CV	-1.0	7.1	6.6	2.3	1.8	1.0	1.0	1.3	2.2	2.6	4.2	4.6	0.6

320.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONCCIDOS

PRECIPITACIONES (MM)

 ZCNA 3 HCYA 305 LIMARI SUP 11927 (KM2)
 EST 17 LA TCRRE PRCP DGA TIPC PV
 LAT 3036 LON 7122 ALT 126 (MTS)

ANC	JAN	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEPT	OCT	NOV	DIC	TCI
1920	0.0	0.0	0.0	0.0	19.9	17.5	0.0	0.0	0.0	0.0	0.0	0.0	37.4
1921	0.0	0.0	0.0	0.0	124.2	24.2	0.0	11.0	0.0	0.0	0.0	0.0	169.5
1922	0.0	0.0	0.0	0.0	0.0	45.2	17.0	87.5	21.5	0.0	0.0	0.0	171.2
1923	0.0	0.0	0.0	0.0	0.0	22.5	59.0	12.6	0.0	0.0	0.0	0.0	95.1
1924	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	0.0	4.1
1925	0.0	0.0	0.0	0.0	3.8	0.0	32.0	3.4	0.0	3.5	0.0	0.0	72.7
1926	0.0	0.0	0.0	0.0	15.5	183.0	91.0	26.5	0.0	0.0	0.0	0.0	326.6
1927	0.0	0.0	0.0	0.0	22.4	118.9	14.7	6.0	7.0	0.0	0.0	0.0	169.0
1928	0.0	0.0	0.0	17.4	24.5	78.2	52.7	5.2	0.0	0.0	0.0	0.0	179.0
1929	0.0	0.0	0.0	0.0	0.0	124.0	15.0	3.0	3.0	0.0	0.0	0.0	145.0
1930	0.0	0.0	0.0	0.0	2.0	57.0	68.0	121.0	5.0	0.0	0.0	0.0	274.0
1931	0.0	0.0	0.0	21.0	0.0	37.0	30.4	17.0	36.2	0.0	0.0	0.0	141.7
1932	0.0	0.0	0.0	0.0	62.0	65.0	10.4	29.0	0.0	0.0	0.0	0.0	166.7
1933	-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
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	-1.0	-1.0	-1.0	-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	16.0	34.0	45.0	17.0	0.0	0.0	0.0	0.0	82.0
1937	0.0	0.0	0.0	0.0	1.0	35.0	23.0	43.0	3.0	0.0	0.0	0.0	105.0
1938	0.0	0.0	1.0	0.0	64.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1939	0.0	0.0	0.0	0.0	1.0	46.0	5.0	0.0	10.0	26.0	3.0	23.0	114.0
1940	0.0	0.0	0.0	0.0	14.0	66.0	66.0	21.0	2.0	2.0	0.0	0.0	181.0
1941	0.0	0.0	0.0	0.0	78.0	17.0	81.0	97.0	0.0	0.0	0.0	0.0	273.0
1942	0.0	0.0	0.0	0.0	13.0	28.0	18.0	77.0	7.0	2.0	0.0	0.0	170.0
1943	0.0	0.0	0.0	0.0	5.0	55.0	20.0	54.0	0.0	0.0	0.0	0.0	138.5
1944	0.0	0.0	0.0	15.0	22.0	9.0	3.0	76.0	0.0	0.0	0.0	0.0	206.0
1945	0.0	78.0	0.0	0.0	0.0	0.0	33.0	0.0	0.0	0.0	0.0	0.0	111.0
1946	0.0	0.0	0.0	0.0	20.0	82.0	7.2	20.2	0.0	0.0	0.0	0.0	136.4
1947	0.0	0.0	0.0	0.0	0.0	32.0	45.0	5.0	0.0	7.2	0.0	0.0	90.7
1948	0.0	0.0	0.0	0.0	14.7	7.2	44.7	0.0	0.0	0.0	0.0	0.0	69.6
1949	0.0	0.0	0.0	0.0	16.6	15.4	64.8	21.1	0.0	0.0	0.0	0.0	127.9
1950	0.0	0.0	0.0	0.0	22.0	108.5	0.0	13.5	0.0	2.8	5.6	0.0	152.4
1951	0.0	0.0	0.0	0.0	1.0	20.5	15.3	0.0	0.0	0.0	0.0	0.0	56.8
1952	0.0	0.0	0.0	0.0	5.0	65.5	43.0	0.0	0.0	0.0	0.0	0.0	167.9
1953	0.0	0.0	0.0	0.0	2.0	4.2	11.2	79.0	14.0	0.0	0.0	0.0	137.6
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	16.0	5.0	0.0	1.0	15.0	22.0	1.0	0.0	0.0	42.5
1956	0.0	0.0	3.5	0.0	0.0	0.0	27.0	16.5	33.0	0.0	0.0	0.0	116.0
1957	0.0	0.0	0.0	0.0	22.0	15.0	59.0	2.0	3.0	0.0	2.0	0.0	330.5
1958	0.0	0.0	0.0	0.0	8.0	15.3	44.0	24.0	3.0	8.0	0.0	0.0	141.5
1959	0.0	0.0	0.0	1.0	0.0	17.0	9.0	24.5	0.0	0.0	0.0	0.0	116.5
1960	0.0	0.0	0.0	0.0	4.5	10.0	4.0	3.0	0.0	0.0	0.0	0.0	21.5
1961	0.0	0.0	0.0	0.0	0.0	26.0	27.0	94.0	0.0	0.0	0.0	1.0	184.2
1962	0.0	0.0	0.0	0.0	0.0	23.0	0.0	0.0	0.0	8.0	0.0	0.0	68.0
1963	0.0	0.0	0.0	0.0	10.0	23.0	52.0	23.0	8.0	0.0	2.0	0.0	198.5
1964	0.0	0.0	2.0	0.0	0.0	0.0	5.0	16.0	0.0	0.0	0.0	0.0	36.0

21.

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
ANC	0.0	0.0	0.0	0.0	24.0	2.0	108.0	133.0	0.0	0.0	0.0	0.0	267.0
IS65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1
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	330.5
MAX	0.0	78.0	35.0	22.0	229.0	183.0	108.0	133.0	88.0	33.0	5.6	25.0	141.3
PRCM	0.0	1.9	0.9	3.2	24.7	40.1	30.8	30.0	15.0	3.0	0.2	1.2	77.1
DESV	0.0	12.0	5.4	6.9	42.3	40.0	27.6	36.2	15.6	7.6	1.1	5.2	77.1
CV	-1.0	6.5	6.0	2.2	1.8	1.0	0.9	1.2	2.7	2.6	3.4	4.2	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORREGIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 305 LIMARI
 EST 18 LOS PEÑONES
 LAT 3036 LON 7127

SUP 11927 (KM2)

323.

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	18.0	17.0	16.0	0.0	0.0	0.0	0.0	51.0
1965	0.0	0.0	0.0	0.3	21.0	1.0	140.0	102.0	0.0	0.0	0.0	0.0	264.3
1966	0.0	0.0	0.0	0.0	0.0	108.0	32.0	0.0	0.0	0.0	0.0	0.0	140.0
1967	0.0	0.0	0.0	0.0	0.0	9.5	34.0	0.0	42.0	1.5	-1.0	-1.0	-1.0

PRECIPITACIONES (MM)

 ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)
 EST 19 FDO EL ALGARROBO
 LAT 3037 LON 7127

324.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1946	0.0	0.0	0.0	11.0	23.0	79.5	18.0	35.5	0.0	0.0	0.0	0.0	167.0
1947	0.0	0.0	0.0	0.0	0.0	22.7	67.9	2.2	0.0	3.8	0.0	0.0	96.6
1948	0.0	0.0	0.0	7.0	28.8	11.0	51.5	1.5	0.0	0.0	0.0	0.0	99.8
1949	0.0	0.0	0.0	0.0	11.7	19.5	56.9	31.9	0.0	0.0	0.0	0.0	120.0
1950	0.0	0.0	0.0	25.5	101.3	0.0	0.0	7.8	2.0	1.6	16.0	0.0	154.2
1951	0.0	0.0	0.0	0.0	19.6	15.7	12.0	0.0	4.0	0.0	0.0	0.0	51.3
1952	0.0	0.0	0.0	0.0	69.2	77.8	45.5	0.6	0.0	0.0	0.0	0.0	193.1
1953	0.0	0.0	0.0	55.0	4.8	2.0	9.8	114.0	9.2	0.0	0.0	0.0	194.8
1954	0.0	0.0	0.0	11.5	82.0	114.8	24.0	25.5	0.0	0.0	0.0	0.0	257.8
1955	0.0	0.0	0.0	16.0	7.7	0.0	5.3	23.2	2.5	2.8	0.0	0.0	57.5
1956	0.0	0.0	34.0	0.0	6.5	0.0	25.5	42.0	26.2	0.0	0.0	0.0	134.2
1957	0.0	0.0	0.0	0.0	347.5	8.5	73.5	3.7	16.0	0.0	0.0	36.0	485.2
1958	0.0	0.0	0.8	0.0	18.8	69.2	47.2	31.0	8.7	5.5	0.0	0.0	181.2
1959	0.0	0.0	0.0	16.2	0.0	59.5	17.7	39.3	0.0	0.0	0.0	0.0	132.7
1960	0.0	0.0	0.0	0.0	4.5	9.7	2.7	0.0	0.0	0.0	0.0	0.0	16.9
1961	0.0	0.0	0.0	0.0	0.0	65.5	28.5	80.1	0.0	3.0	0.0	0.0	177.1
1962	0.0	0.0	0.0	0.0	0.0	69.2	0.0	4.5	0.6	8.7	0.0	0.0	83.0
1963	0.0	0.0	0.0	0.0	12.5	33.5	52.3	34.9	96.0	0.0	0.0	0.0	229.2
1964	0.0	0.0	0.0	0.0	0.0	11.6	5.2	12.6	0.0	0.0	0.0	0.0	29.4
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	16.9
MAX	0.0	0.0	34.0	55.0	347.5	114.8	73.5	114.0	96.0	8.7	16.0	36.0	485.2
PROM	0.0	0.0	1.8	7.5	38.8	35.2	28.6	25.8	8.7	1.3	0.8	1.9	150.6
DESV	0.0	0.0	7.8	13.8	80.4	35.0	24.0	29.8	22.2	2.4	3.7	8.3	104.9
CV	-1.0	-1.0	4.3	1.8	2.1	1.0	0.8	1.2	2.6	1.8	4.4	4.4	0.7

 NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)

EST 20 SOTAQUI

LAT 3038 LON 7105 ALT 260 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1954	0.0	0.0	0.0	-1.0	38.0	34.0	25.0	27.0	0.0	0.0	0.0	0.0	-1.0
1955	0.0	0.0	0.0	3.0	22.0	0.0	18.0	21.0	0.0	4.0	0.0	0.0	60.0
1956	0.0	0.0	35.0	0.0	1.0	1.5	39.0	36.0	31.0	0.0	0.0	0.0	143.5
1957	0.0	0.0	0.0	0.0	270.0	4.0	57.0	3.0	31.0	0.0	0.0	0.0	365.0
1958	0.0	0.0	0.0	0.0	3.0	73.0	40.0	9.0	5.0	0.0	0.0	0.0	175.0
1959	0.0	0.0	0.0	0.0	0.0	69.0	6.0	47.0	0.0	0.0	0.0	0.0	122.0
1960	0.0	0.0	0.0	0.0	8.0	43.0	3.0	4.0	0.0	1.9	0.0	0.0	59.9
1961	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
1962	0.0	0.0	0.0	0.0	0.0	47.5	0.0	2.5	0.0	1.8	0.0	0.0	68.0
1963	0.5	0.0	0.0	0.0	23.0	40.0	59.0	36.0	92.5	0.0	1.0	0.0	252.0
1964	0.0	0.0	0.0	0.0	0.0	19.0	17.0	25.0	0.0	0.0	0.0	0.0	61.0
1965	0.0	0.0	0.0	0.0	32.0	1.0	164.5	110.0	0.0	0.0	0.0	0.0	307.5
1966	0.0	0.0	0.0	3.2	0.0	106.0	89.0	0.0	0.0	0.0	0.0	0.0	148.2
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.9
MAX	0.5	0.0	35.0	3.2	270.0	106.0	164.5	110.0	92.5	4.0	1.0	0.0	365.0
PROM	0.0	0.0	2.7	0.5	33.1	36.5	39.0	26.7	13.3	0.6	0.1	0.0	160.2
DESV	0.1	0.0	9.7	1.2	75.9	33.8	44.2	30.5	27.6	1.3	0.3	0.0	106.1
CV	3.6	-1.0	3.6	2.3	2.3	0.9	1.1	1.1	2.1	2.0	3.5	-1.0	0.7

325.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA	3		HOYA 305 LIMARI		SUP 11927 (KM2)										
		EST 21 BARRACA		LAT 3038 LON 7126		ALT 260 (MTS)									
AND	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT		
1962	0.0	0.0	0.0	0.0	0.0	51.0	0.0	4.0	0.0	8.0	0.0	0.0	63.0		
1963	0.0	0.0	0.0	0.0	0.0	21.0	31.0	47.0	35.0	95.0	0.0	0.0	229.0		
1964	0.0	0.0	0.0	0.0	0.0	12.0	7.0	-1.0	0.0	0.0	0.0	0.0	-1.0		
1965	0.0	0.0	0.0	0.0	23.0	0.0	127.0	107.0	0.0	0.0	0.0	0.0	257.0		
1966	0.0	0.0	0.0	1.9	0.0	0.0	0.0	-1.0	0.0	-1.0	0.0	0.0	-1.0		
1967	0.0	-1.0	0.0	0.0	0.0	20.0	25.0	0.0	35.0	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	63.0		
MAX	0.0	0.0	0.0	1.9	23.0	51.0	127.0	107.0	95.0	8.0	0.0	0.0	257.0		
PROM	0.0	0.0	0.0	0.3	7.3	19.0	34.3	36.5	21.7	1.6	0.0	0.0	183.0		
DESV	0.0	0.0	0.0	0.8	11.4	19.7	48.9	49.5	38.6	3.6	0.0	0.0	104.9		
CV	-1.0	-1.0	-1.0	2.4	1.6	1.0	1.4	1.4	1.8	2.2	-1.0	-1.0	0.6		

326.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3		BOYA 305 LIMARI		EST 24 PUNTILLA SAN JUAN		SUP 11927 (KM2)							
		LAT 3042		LON 7057									
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1965	0.0	0.0	0.0	0.0	8.0	9.0	144.0	106.0	0.0	0.0	4.0	0.0	271.0
1966	0.0	0.0	0.0	5.0	0.0	104.0	64.0	22.0	0.0	0.0	0.0	0.0	195.0
1967	0.0	0.0	0.0	0.0	0.0	26.0	14.0	7.2	38.0	4.0	0.0	0.0	89.2
1968	0.0	0.0	0.0	0.0	0.0	27.5	0.0	1.5	8.0	0.0	0.0	0.0	37.0

327.

PRECIPITACIONES (MM)

ZONA 3

HOYA 305 LIMARI
EST. 25 HDA MAL PASO
LAT 3042 LON 7100

SUP 11927 (KM2)

328.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1946	0.0	0.0	0.0	8.8	33.6	60.6	6.6	2.2	0.0	0.0	0.0	0.0	111.8
1947	0.0	0.0	0.0	0.0	0.0	6.0	67.0	34.0	0.0	0.0	0.0	0.0	107.0
1948	0.0	0.0	0.0	8.6	10.3	15.0	51.5	9.6	0.0	0.0	0.0	0.0	101.0
1949	0.0	0.0	0.0	0.0	25.2	33.0	68.0	30.6	0.0	0.0	0.0	0.0	156.8
1950	0.0	0.0	0.0	15.0	69.0	0.0	0.0	0.0	3.0	0.0	10.0	0.0	97.0
1951	0.0	0.0	0.0	0.0	27.0	24.0	36.0	0.0	0.0	0.0	0.0	0.0	87.0
1952	0.0	0.0	0.0	0.0	55.0	56.0	48.0	4.0	4.0	0.0	3.0	0.0	169.0
1953	0.0	0.0	0.0	11.0	12.5	0.0	23.0	83.0	10.0	0.0	0.0	0.0	147.5
1954	0.0	0.0	0.0	20.0	28.0	46.0	24.5	30.0	0.0	0.0	0.0	0.0	154.5
1955	0.0	0.0	0.0	0.0	14.0	0.0	3.0	19.0	2.5	0.0	0.0	0.0	38.5
1956	0.0	0.0	39.0	0.0	0.0	0.0	33.5	24.0	30.0	0.0	0.0	0.0	126.5
1957	0.0	0.0	0.0	0.0	269.0	9.0	52.0	0.0	8.0	0.0	0.0	20.0	358.0
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	38.5
MAX	0.0	0.0	39.0	20.0	269.0	60.6	68.0	83.0	30.0	0.0	10.0	20.0	358.0
PROM	0.0	0.0	3.3	5.3	45.3	20.8	34.4	19.7	4.8	0.0	1.1	1.7	137.9
DESV	0.0	0.0	11.3	7.2	73.4	22.8	23.6	23.9	8.6	0.0	2.9	5.8	78.3
CV	-1.0	-1.0	3.5	1.4	1.6	1.1	0.7	1.2	1.8	-1.0	2.7	3.5	0.6

NOTA: VALDRES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)
 EST 27 LAS JUNTAS DE RAPEL
 LAT 2043 LON 7053 ALT 505 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1913	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	69.5	28.5	-1.0	-1.0	-1.0	-1.0	-1.0
1914	0.0	0.0	0.0	0.0	25.3	208.9	79.3	19.6	122.0	0.0	0.0	0.0	-1.0
1915	-1.0	-1.0	-1.0	-1.0	90.3	-1.0	59.8	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1916	0.0	0.0	0.0	0.0	0.0	0.0	17.3	10.4	25.0	0.0	-1.0	-1.0	-1.0
1917	0.0	0.0	0.0	0.0	7.0	51.5	18.0	0.0	0.0	0.0	0.0	0.0	76.5
1918	0.0	0.0	0.0	0.0	0.0	0.0	47.9	41.2	29.5	33.4	0.0	0.0	152.0
1919	0.0	0.0	0.0	3.0	262.5	146.7	133.3	17.4	0.0	0.0	0.0	0.0	502.9
1920	0.0	0.0	0.0	0.0	32.0	0.3	19.0	15.3	0.0	0.8	0.0	5.4	72.8
1921	0.0	0.0	0.0	0.0	367.9	120.0	0.0	17.3	0.0	0.0	0.0	0.0	505.2
1922	0.0	0.0	0.0	0.0	0.0	135.0	4.8	79.3	20.7	0.0	0.0	0.0	239.8
1923	9.5	0.0	0.0	0.0	0.0	26.2	89.1	0.0	0.0	0.0	0.0	0.0	124.8
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	72.8
MAX	9.5	0.0	0.0	3.0	367.9	208.9	133.3	79.3	122.0	0.8	0.0	5.4	505.2
PROM	1.1	0.0	0.0	0.3	78.5	81.8	48.3	21.7	22.3	0.1	0.0	0.7	239.1
DESV	3.2	0.0	0.0	1.0	130.2	73.4	41.8	22.6	39.6	0.3	0.0	1.9	189.4
CV	3.0	-1.0	-1.0	3.0	1.7	0.9	0.9	1.0	1.8	3.0	-1.0	2.8	0.8

329.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 305 LIMARI
EST 28 EL PALQUI
LAT 3044 LON 7059 ALT 385 (MTS)

SUP 11927 (KM2)

330.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1933	-1.0	0.0	0.0	0.0	25.5	33.0	6.8	1.3	0.0	0.0	0.0	0.0	-1.0
1934	0.0	0.0	0.0	0.0	103.9	55.6	0.0	18.0	4.1	0.0	0.0	0.0	201.6
1935	0.0	0.0	0.0	0.0	0.0	49.0	49.6	12.4	0.0	13.0	0.0	0.0	124.6
1936	0.0	0.0	0.0	3.0	12.1	2.2	51.4	28.0	0.0	6.3	0.0	0.0	103.0
1937	0.0	0.0	0.0	0.0	0.0	61.5	28.8	27.0	22.4	5.0	0.0	0.0	144.7
1938	0.0	0.0	15.2	0.0	42.2	35.2	15.1	0.0	0.0	0.0	0.0	0.0	107.7
1939	0.0	0.0	0.0	0.0	5.2	59.0	5.5	0.0	22.0	34.0	0.0	48.5	174.2
1940	0.0	0.0	0.0	0.0	33.2	87.5	114.5	61.1	0.0	0.0	0.0	0.0	296.3
1941	0.0	0.0	0.0	0.0	83.0	38.1	64.6	103.9	0.0	0.0	0.0	0.0	289.6
1942	0.0	0.0	0.0	0.0	32.0	61.0	70.0	68.0	12.0	21.0	4.0	0.0	268.0
1943	0.0	0.0	3.0	0.0	5.4	64.0	25.1	84.9	4.2	1.2	0.0	0.0	187.8
1944	0.0	0.0	0.0	24.0	40.5	137.1	8.4	64.8	0.0	18.8	0.0	0.0	293.6
1945	0.0	69.5	0.0	0.0	0.0	0.0	0.0	47.7	12.6	0.0	0.0	0.0	129.8
1946	0.0	0.0	0.0	12.9	-1.0	71.2	12.6	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1965	0.0	0.0	0.0	3.0	42.0	0.0	155.0	117.0	0.0	0.0	0.0	0.0	317.0
1966	0.0	0.0	0.0	5.0	0.0	-1.0	38.0	30.0	0.0	0.0	0.0	0.0	-1.0
1967	0.0	0.0	0.0	0.0	0.0	12.0	32.0	2.0	0.0	0.0	0.0	0.0	46.0
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	46.0
MAX	0.0	69.5	15.2	24.0	103.9	137.1	155.0	117.0	22.4	34.0	4.0	48.5	317.0
PROM	0.0	4.1	1.1	2.8	26.6	47.9	39.8	41.6	4.8	6.2	0.3	3.0	191.7
DESV	0.0	16.9	3.7	6.4	31.2	35.9	42.4	38.0	8.0	10.2	1.0	12.1	87.5
CV	-1.0	4.1	3.5	2.3	1.2	0.7	1.1	0.9	1.6	1.6	4.0	4.0	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3 HOYA 305 LIMARI SUP 11027 (KM2)

EST 30 MOLLES EN BOCATOMA

LAT 3045 LON 7026 ALT 2620 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	2.0	1.0	14.0	0.0	0.0	45.0	7.0	25.0	0.0	2.0	0.0	0.0	96.0
1964	7.0	0.0	7.0	0.0	0.0	115.0	12.0	0.0	0.0	9.0	0.0	58.0	208.0
1965	38.0	0.0	0.0	30.0	30.0	18.6	38.5	178.7	20.9	7.7	20.0	0.0	382.4
1966	0.0	0.0	0.0	16.6	3.5	53.8	24.0	61.0	0.0	0.0	15.0	0.0	210.9
1967	0.0	0.0	0.0	0.0	4.0	31.0	-1.0	-1.0	15.8	8.0	10.6	1.5	-1.0
1968	0.0	0.0	0.4	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	18.6	7.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	38.0	1.0	14.0	30.0	30.0	115.0	38.5	178.7	20.9	9.0	20.0	58.0	382.4
PRGM	7.8	0.2	3.6	8.3	7.5	52.7	20.4	66.2	7.3	5.3	9.1	11.9	179.5
DESV	15.0	0.4	5.8	12.4	12.7	37.3	14.0	79.1	10.2	4.1	9.0	25.8	143.3
CV	1.9	2.4	1.6	1.5	1.7	0.7	0.7	1.2	1.4	0.8	1.0	2.2	0.8

331.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)
 EST 31 CENTRAL MOLLES
 LAT 3045 LON 7036 ALT 1450 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1958	0.0	0.0	0.0	0.0	4.0	61.0	34.5	21.5	0.0	16.5	0.0	0.0	137.5
1959	0.0	0.0	0.0	33.5	4.6	111.9	21.8	56.7	1.3	0.0	0.0	0.0	229.8
1960	0.0	0.0	0.0	0.0	8.6	37.5	12.2	0.0	1.8	3.1	0.0	0.0	63.2
1961	0.0	0.0	5.5	0.0	4.1	28.7	10.1	-1.0	9.0	19.2	-1.0	-1.0	-1.0
1962	0.0	0.0	7.2	0.0	0.0	27.4	5.2	12.3	0.0	28.3	0.0	0.0	80.4
1963	0.7	1.2	0.0	0.0	9.7	43.5	40.3	36.9	116.4	12.7	32.0	0.0	293.4
1964	0.0	0.0	0.0	0.0	0.0	34.4	11.0	27.5	0.0	0.0	0.0	0.0	72.9
1965	0.0	0.0	0.0	6.0	19.0	10.4	60.1	206.5	13.0	0.6	13.9	0.0	329.5
1966	0.0	0.0	0.0	9.2	0.5	31.9	85.6	37.9	-1.0	0.0	-1.0	-1.0	-1.0
1967	0.0	0.0	0.0	0.0	0.0	30.4	4.5	6.8	3.1	8.9	0.0	0.0	53.7
1968	0.0	0.0	0.0	0.0	0.0	30.1	0.0	0.0	10.7	0.0	0.0	0.0	40.8
MIN	0.0	0.0	0.0	0.0	0.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0	40.8
MAX	0.7	1.2	7.2	33.5	19.0	111.9	85.6	206.5	116.4	28.3	32.0	0.0	329.5
PROM	0.1	0.1	1.2	4.4	4.6	40.7	25.9	40.6	15.5	8.1	5.1	0.0	144.6
DESV	0.2	0.4	2.6	10.1	5.9	26.6	26.9	61.1	35.3	9.8	11.1	0.0	111.0
CV	3.3	3.3	2.2	2.3	1.3	0.7	1.0	1.5	2.3	1.2	2.2	-1.0	0.8

332.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 305 LIMARI
EST 32 LAS TORTOLAS RETEN
LAT 3045 LON 7040

SUP 11927 (KM2)

333.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1955	0.0	0.0	0.0	0.0	23.5	0.0	2.5	20.0	0.0	12.0	0.0	0.0	58.0
1956	0.0	0.0	35.0	0.0	12.5	0.0	24.0	11.0	11.0	0.0	1.8	13.0	108.3
1957	0.0	0.0	0.0	0.0	240.0	18.0	79.0	1.5	16.5	10.0	0.0	20.0	385.0
1958	0.0	0.0	0.0	0.0	4.0	31.0	34.5	21.5	0.0	16.5	0.0	0.0	107.5
1959	0.0	0.0	0.0	32.0	3.0	105.0	18.0	22.0	0.0	0.0	0.0	0.0	180.0
1960	0.0	0.0	0.0	0.0	8.6	37.5	11.2	0.0	7.0	2.0	0.0	0.0	66.3
1961	0.0	0.0	0.0	0.0	4.0	33.0	10.0	129.0	9.5	20.5	0.0	2.5	208.5
1962	0.0	0.0	8.0	0.0	0.0	34.0	3.0	3.5	0.0	30.0	0.0	0.0	78.5
1963	0.0	-1.0	0.0	0.0	11.0	57.0	-1.0	-1.0	136.8	3.7	30.1	0.0	-1.0
1964	0.0	0.0	0.0	0.0	0.0	33.0	11.5	21.7	0.0	7.1	0.0	0.0	73.3
1965	0.0	0.0	0.0	16.6	8.0	0.0	41.6	206.0	0.0	0.0	13.5	0.0	285.7
1966	0.0	0.0	0.0	9.2	0.0	56.9	73.4	37.8	0.0	0.0	0.0	0.0	177.3
1967	0.0	0.0	0.0	0.0	0.0	13.0	10.0	7.8	2.8	8.9	0.0	0.0	42.5
MIN	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	42.5
MAX	0.0	0.0	35.0	32.0	240.0	105.0	79.0	206.0	136.8	30.0	30.1	20.0	385.0
PROM	0.0	0.0	3.3	4.4	24.2	32.2	26.6	40.1	14.1	8.5	3.5	2.7	148.2
DESV	0.0	0.0	9.8	9.7	65.2	29.2	26.0	62.6	37.3	9.3	8.8	6.3	106.6
CV	-1.0	-1.0	3.0	2.2	2.7	-0.9	1.0	1.6	2.6	1.1	2.5	2.3	0.7

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 305 LIMARI
EST 33 LAS MOLLACAS
LAT 3045 LON 7040

SUP 11927 (KM2)

334.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1941	0.0	0.0	0.3	22.0	60.0	33.0	101.0	124.0	0.0	0.0	0.0	0.0	348.3
1942	3.0	0.0	0.0	0.0	32.0	72.0	45.0	74.0	14.0	21.0	14.0	0.0	275.0
1943	0.0	0.0	1.0	0.0	2.0	60.0	21.0	63.0	12.0	7.0	0.0	0.0	166.0
1944	2.0	12.0	2.0	30.0	40.5	178.5	8.0	69.5	0.0	34.0	0.0	0.0	376.5
1945	0.0	83.0	0.0	6.0	0.0	0.0	12.5	21.0	49.0	2.0	0.0	0.0	173.5
1946	0.0	0.0	0.0	8.0	53.0	41.0	12.0	0.0	0.0	0.0	0.0	0.0	114.0
1947	0.0	0.0	0.0	4.5	0.0	9.0	86.0	82.0	0.0	2.5	0.0	0.0	184.0
1948	0.0	0.0	9.0	5.0	14.0	27.0	142.0	3.0	0.0	0.0	0.0	0.0	200.0
1949	0.0	0.0	0.0	0.0	7.0	17.5	88.9	71.1	0.0	0.0	0.0	0.0	184.5
1950	0.0	0.0	0.0	29.4	80.9	4.5	2.5	0.0	7.0	0.0	12.2	0.0	136.5
1951	0.0	0.0	0.0	46.5	17.5	17.5	47.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	114.0
MAX	3.0	83.0	9.0	46.5	80.9	178.5	142.0	124.0	49.0	34.0	14.0	0.0	376.5
PROM	0.5	8.6	1.1	13.8	27.9	41.8	51.4	50.8	8.2	6.6	2.6	0.0	215.8
DESV	1.0	24.9	2.7	15.7	27.6	50.6	46.5	42.3	15.3	11.6	5.5	0.0	88.2
CV	2.3	2.9	2.4	1.1	1.0	1.2	0.9	0.8	1.9	1.7	2.1	-1.0	0.4

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)
 EST 34 FONDO VALDIVIA
 LAT 3045 LON 7042 ALT 1300 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1937	0.0	0.0	0.0	0.0	9.0	62.0	62.0	42.0	59.0	13.0	0.0	0.0	247.0
1938	0.0	0.0	15.0	0.0	42.0	20.0	38.0	0.0	0.0	0.0	0.0	0.0	115.0
1939	0.0	0.0	0.0	0.0	10.0	84.0	12.0	0.0	22.0	34.0	0.0	49.0	211.0
1940	0.0	0.0	0.0	0.0	48.0	87.0	134.0	62.0	14.0	2.0	0.0	0.0	347.0
1941	0.0	0.0	0.0	19.0	78.0	38.0	82.0	164.0	0.0	0.0	0.0	0.0	381.0
1942	3.0	0.0	0.0	0.0	13.0	31.0	22.0	74.0	9.0	14.0	0.0	0.0	166.0
1943	0.0	0.0	1.0	0.0	3.0	73.0	20.0	52.0	0.0	1.0	0.0	0.0	150.0
1944	0.0	14.0	0.0	37.0	44.0	223.0	13.0	116.5	0.0	39.5	0.0	0.0	487.0
1945	0.0	88.0	0.0	0.0	0.0	7.0	12.5	17.5	61.5	0.0	0.0	0.0	186.5
1946	0.0	0.0	0.0	13.5	38.5	48.5	13.5	1.5	0.0	0.5	0.0	0.0	116.0
1947	0.0	0.0	0.0	4.5	0.0	32.0	72.5	100.0	0.0	3.2	0.0	0.0	212.2
1948	0.0	0.0	0.0	9.0	47.8	35.2	173.1	10.1	0.0	0.0	0.0	0.0	275.2
1949	0.0	0.0	0.0	0.0	38.3	21.3	118.0	70.1	0.0	0.0	0.0	0.0	247.7
1950	0.0	0.0	0.0	45.0	94.6	3.5	0.0	0.0	63.1	17.3	16.5	0.0	240.0
1951	2.3	0.0	0.0	39.8	25.0	21.8	51.0	9.4	15.5	0.0	2.5	0.0	167.3
1952	0.0	9.4	0.0	0.0	60.0	88.0	65.0	12.0	49.0	8.0	0.0	0.0	291.4
1953	0.0	0.0	0.0	0.0	42.0	32.0	37.0	118.0	14.2	0.0	0.0	0.0	243.2
1954	0.0	0.0	0.0	58.0	30.0	53.0	30.0	24.0	0.0	0.0	0.0	0.0	195.0
1955	0.0	0.0	0.0	4.0	36.0	0.0	14.0	45.0	0.0	17.0	0.0	0.0	116.0
1956	0.0	0.0	35.0	0.0	10.0	0.0	19.0	112.0	25.0	0.0	0.0	11.0	212.0
1957	0.0	0.0	0.0	0.0	260.0	3.5	84.0	3.1	29.0	8.0	0.0	52.0	439.6
1958	0.0	0.0	0.0	0.0	6.5	50.0	40.5	31.5	14.5	10.0	0.0	0.0	153.0
1959	0.0	0.0	4.0	38.0	0.0	123.0	58.0	68.0	0.0	0.0	0.0	0.0	291.0
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	86.4
1961	0.0	0.0	0.0	0.0	0.0	98.0	16.0	153.0	15.0	51.0	0.0	0.0	333.0
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	133.4
1963	0.0	0.0	0.0	0.0	20.6	66.2	56.9	43.6	158.9	14.6	26.5	0.0	387.3
1964	0.0	0.0	0.0	0.0	0.0	60.1	21.4	45.1	0.0	0.0	0.0	0.0	126.6
1965	0.0	0.0	0.0	31.6	45.2	30.0	105.9	194.8	14.0	7.0	0.0	0.0	428.7
1966	0.0	0.0	0.0	9.5	0.0	89.0	34.0	53.1	0.0	0.0	8.8	0.0	194.4
1967	0.0	0.0	0.0	0.0	0.0	34.0	8.3	9.5	9.0	10.0	0.0	0.0	70.8
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	44.8
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	44.8
MAX	3.0	88.0	35.0	58.0	260.0	223.0	173.1	194.8	158.9	51.0	26.5	52.0	487.0
PROM	0.2	3.8	1.9	10.7	34.5	52.2	48.7	56.3	19.7	8.6	1.9	3.9	228.0
DESV	0.7	16.5	7.0	17.2	50.2	46.2	42.2	53.7	33.3	13.0	5.8	13.1	113.1
CV	3.8	4.3	3.7	1.6	1.5	0.9	0.9	1.0	1.7	1.5	3.1	3.4	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)
 EST 36 C. ALIMENT RECDLETA
 LAT 3045 LON 7050 ALT 550 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1950	-1.0	-1.0	-1.0	-1.0	69.7	0.0	0.0	6.0	10.7	0.0	18.0	0.0	-1.0
1951	0.0	0.0	0.0	4.2	20.0	17.0	38.0	2.0	2.0	0.0	0.0	0.0	83.2
1952	-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
1953	0.0	0.0	0.0	8.0	10.0	2.0	29.0	64.0	30.0	0.0	0.0	0.0	143.0
1954	0.0	0.0	0.0	51.0	21.0	50.0	20.0	38.0	0.0	0.0	0.0	0.0	180.0
1955	0.0	0.0	0.0	0.0	36.0	0.0	24.0	16.0	0.0	20.0	0.0	0.0	97.0
1956	1.0	0.0	36.0	0.0	1.0	0.0	30.0	30.0	26.5	0.0	0.0	0.0	124.5
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	-1.0
1958	0.0	0.0	0.0	0.0	5.0	67.0	25.0	27.0	8.0	0.0	0.0	0.0	132.0
1959	0.0	0.0	0.0	20.0	0.0	68.0	7.0	47.0	0.0	0.0	0.0	0.0	142.0
1960	0.0	0.0	0.0	0.0	13.0	28.0	5.0	0.0	0.0	0.0	0.0	0.0	46.0
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	47.0	0.0	1.0	0.0	22.0	0.0	0.0	70.0
1963	0.0	0.0	0.0	0.0	22.0	60.0	43.0	39.0	149.0	0.0	4.0	0.0	317.0
1964	0.0	0.0	0.0	0.0	0.0	21.0	21.0	33.0	0.0	0.0	0.0	0.0	75.0
1965	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1966	0.0	0.0	0.0	0.0	5.0	0.0	80.5	46.5	-1.0	0.0	0.0	-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	46.0
MAX	1.0	0.0	36.0	51.0	69.7	68.0	80.5	64.0	149.0	22.0	18.0	1.0	317.0
PROM	0.1	0.0	3.0	6.9	15.6	27.7	24.8	26.9	18.8	3.2	1.7	0.1	128.2
DESV	0.3	0.0	10.4	15.1	19.7	27.3	21.7	20.5	42.3	7.9	5.0	0.3	74.0
CV	3.5	-1.0	3.5	2.2	1.3	1.0	0.9	0.8	2.2	2.4	3.0	3.5	0.6

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)

EST 38 HACIENDA LAS PEÑAS

LAT 3045 LCN 7125

337.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1934	0.0	0.0	0.0	0.0	187.0	78.0	0.0	10.0	6.5	4.0	0.0	0.0	285.0
1935	0.0	0.0	0.0	0.0	4.0	40.0	25.0	0.0	0.0	15.0	0.0	0.0	84.0
1936	0.0	0.0	0.0	0.0	25.5	6.5	49.1	33.3	0.0	1.9	0.0	0.0	116.3
1937	0.0	0.0	0.0	0.0	8.2	48.6	0.0	0.0	0.0	0.0	0.0	0.0	56.8
1938	0.0	0.0	0.0	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.0
1939	0.0	0.0	0.0	0.0	8.2	57.8	6.3	0.0	8.1	27.1	0.0	26.3	133.8
1940	0.0	0.0	0.0	1.6	11.8	80.3	59.7	37.3	4.4	0.0	0.0	0.0	195.1
1941	0.0	0.0	0.0	0.0	82.9	12.5	81.5	88.7	0.0	0.0	0.0	0.0	265.6
1942	0.0	0.0	0.0	0.0	15.5	42.2	37.2	85.0	0.0	0.0	18.0	0.0	198.7
1943	0.0	0.0	0.0	0.0	16.5	71.0	9.9	63.8	0.0	0.0	0.0	0.0	161.2
1944	0.0	0.0	0.0	11.0	18.0	112.5	4.5	48.5	0.0	0.0	0.0	0.0	194.5
1945	0.0	67.0	0.0	0.0	0.0	0.0	0.0	22.7	7.1	0.0	0.0	0.0	96.8
1946	0.0	0.0	0.0	7.0	28.0	91.3	5.1	25.0	0.0	0.0	0.0	0.0	156.4
1947	0.0	0.0	0.0	0.0	0.0	19.0	54.2	6.0	0.0	8.0	0.0	0.0	87.2
1948	0.0	0.0	0.0	6.0	61.4	6.4	52.5	5.3	0.0	0.0	0.0	0.0	131.6
1949	0.0	0.0	0.0	0.0	11.0	31.0	59.1	31.4	0.0	0.0	0.0	0.0	132.5
1950	0.0	0.0	0.0	30.5	105.0	0.0	0.0	0.0	13.0	0.0	17.0	0.0	165.5
1951	0.0	0.0	0.0	0.0	29.6	26.7	14.5	0.0	7.5	0.0	0.0	0.0	78.3
1952	0.0	0.0	0.0	0.0	43.0	91.0	42.5	0.8	0.0	5.0	0.0	0.0	182.3
1953	0.0	0.0	0.0	60.0	6.6	2.3	18.3	78.0	18.9	0.7	0.0	0.0	184.8
1954	0.0	0.0	0.0	14.0	62.5	64.5	18.6	23.7	0.0	0.0	0.0	0.0	183.3
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	56.8
MAX	0.0	67.0	0.0	60.0	187.0	112.5	81.5	88.7	18.9	27.1	18.0	26.3	285.0
PRDM	0.0	3.2	0.0	6.2	37.4	42.0	25.6	26.6	3.1	2.9	1.7	1.3	150.0
DESV	0.0	14.6	0.0	14.4	44.9	35.6	25.4	30.0	5.3	6.7	5.3	5.7	62.0
CV	-1.0	4.6	-1.0	2.3	1.2	0.8	1.0	1.1	1.7	2.3	3.2	4.6	0.4

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)

EST 39 BATUCO HACIENDA

LAT 3046 LON 7124

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1946	0.0	0.0	0.0	7.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1947	0.0	0.0	0.0	0.0	0.0	16.5	59.0	7.0	0.0	10.5	0.0	0.0	93.0
1948	0.0	0.0	0.0	6.0	33.1	6.1	38.2	0.0	0.0	0.0	0.0	0.0	83.4
1949	0.0	0.0	0.0	0.0	17.0	19.5	55.0	33.0	0.0	0.0	0.0	0.0	124.5
1950	0.0	0.0	0.0	23.5	108.5	0.0	0.0	0.0	13.0	0.0	8.0	0.0	153.0
1951	0.0	0.0	0.0	0.0	10.2	35.2	13.5	0.0	13.7	0.0	0.0	0.0	80.6
1952	0.0	0.0	0.0	0.0	44.2	94.5	35.5	3.5	2.7	0.0	0.0	0.0	100.4
1953	0.0	0.0	0.0	63.0	8.0	0.0	16.2	85.0	14.0	0.0	0.0	0.0	186.2
1954	0.0	0.0	0.0	12.5	53.5	49.0	28.1	18.0	0.0	0.0	0.0	0.0	161.1
1955	0.0	0.0	0.0	11.0	10.1	0.0	4.7	30.0	0.0	10.0	0.0	0.0	65.8
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	65.8
MAX	0.0	0.0	0.0	63.0	108.5	94.5	59.0	85.0	14.0	10.5	8.0	0.0	186.2
PROM	0.0	0.0	0.0	12.3	31.6	24.5	27.8	19.6	4.8	2.3	0.9	0.0	116.4
DESV	0.0	0.0	0.0	19.3	34.0	31.3	21.0	27.7	6.6	4.5	2.7	0.0	41.8
CV	-1.0	-1.0	-1.0	1.6	1.1	1.3	0.8	1.4	1.4	2.0	3.0	-1.0	0.4

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 305 LIMARI
 EST 41 EL MAITEN ENDESA
 LAT 3048 LON 7037 ALT 1500 (MTS)

SUP 11927 (KM2)

339.

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

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1956	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	25.9	37.2	0.0	1.7	0.0	0.0	-1.0
1957	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
1958	0.0	0.0	0.0	0.0	4.0	140.0	30.5	19.9	2.5	15.7	0.0	0.0	212.6
1959	0.0	0.0	2.0	33.0	4.8	46.0	45.0	72.4	0.0	0.0	0.0	0.0	203.2
1960	0.0	0.0	0.0	0.0	9.2	87.4	15.1	0.0	8.0	0.0	0.0	0.0	119.7
1961	0.0	0.0	1.5	0.0	6.0	91.0	12.5	140.5	8.0	19.0	0.0	0.0	278.5
1962	0.0	0.0	7.5	0.0	0.0	88.7	5.1	12.2	0.0	24.2	0.0	0.0	137.7
1963	5.6	0.0	0.0	0.0	28.8	66.2	61.0	16.0	160.0	16.0	40.0	0.0	423.6
1964	0.0	0.0	0.0	0.0	0.0	113.3	37.0	39.0	0.0	0.0	0.0	0.0	189.3
1965	0.0	0.0	0.0	23.0	45.0	10.0	84.0	233.0	24.0	0.0	18.0	0.0	437.0
1966	0.0	0.0	0.0	12.0	0.0	113.3	-1.0	58.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	0.0	0.0	119.7
MAX	5.6	0.0	7.5	33.0	45.0	140.0	84.0	233.0	160.0	24.2	40.0	0.0	437.0
PROM	0.6	0.0	1.1	6.8	10.9	75.6	35.1	62.8	22.5	8.5	6.4	0.0	250.2
DESV	1.8	0.0	2.4	12.0	15.6	45.4	25.2	72.2	52.1	10.0	13.9	0.0	121.2
CV	3.2	-1.0	2.2	1.8	1.4	0.6	0.7	1.1	2.3	1.2	2.2	-1.0	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)
 EST 42 EL MAITEN
 LAT 3048 LON 7040 ALT 1500 (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	-1.0	-1.0	0.0	0.0	-1.0
1959	0.0	0.0	2.0	36.0	4.0	104.0	46.0	77.0	0.0	0.0	0.0	0.0	269.0
1960	0.0	0.0	-1.0	0.0	9.0	104.0	18.0	4.0	5.0	0.0	0.0	0.0	-1.0
1961	0.0	0.0	6.0	0.0	-1.0	93.0	11.0	152.0	8.0	17.0	0.0	11.0	-1.0
1962	0.0	0.0	2.0	0.0	0.0	80.0	-1.0	16.0	0.0	24.0	0.0	0.0	-1.0
1963	5.6	0.0	0.0	0.0	28.0	101.0	61.0	46.0	160.0	16.0	40.8	0.0	458.4
1964	0.0	0.0	0.0	0.0	0.0	112.0	37.0	39.0	0.0	0.0	0.0	0.0	188.0
1965	0.0	0.0	0.0	28.0	45.0	10.0	84.0	233.0	24.0	0.0	18.0	0.0	442.0
1966	0.0	0.0	0.0	6.0	3.0	113.3	16.0	58.0	0.0	0.0	-1.0	-1.0	-1.0
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	10.0	11.0	4.0	0.0	0.0	0.0	0.0	188.0
MAX	5.6	0.0	6.0	36.0	45.0	113.3	84.0	233.0	160.0	24.0	40.8	11.0	458.4
PROM	0.6	0.0	1.3	7.8	12.7	89.7	39.0	78.1	24.6	7.1	7.3	1.4	339.3
DESV	1.9	0.0	2.1	14.0	17.2	33.9	26.8	77.2	55.3	10.1	14.9	3.9	132.4
CV	3.0	-1.0	1.7	1.8	1.4	0.4	0.7	1.0	2.2	1.4	2.0	2.8	0.4

340.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCENCCIDOS

PRECIPITACIONES (MM)

ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)
 EST 44 CAREN
 LAT 3051 LON 7047 ALT 920 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1942	0.0	0.0	0.0	0.0	34.0	73.0	53.0	95.0	10.0	20.0	6.0	0.0	297.0
1943	0.0	0.0	9.4	0.0	12.0	78.4	12.0	85.7	3.6	0.0	0.0	0.0	201.1
1944	1.0	7.0	0.0	23.0	37.3	194.0	13.5	84.7	0.0	19.4	0.0	0.0	379.9
1945	0.0	82.2	0.0	1.0	0.0	0.0	0.0	36.7	20.2	0.0	4.8	0.0	144.9
1946	0.0	0.0	0.0	14.0	28.0	67.0	8.5	0.0	0.0	0.0	0.0	0.0	117.5
1947	0.0	0.0	0.0	4.0	0.0	53.7	59.5	58.0	0.0	5.0	0.0	0.0	180.2
1948	0.0	0.0	6.0	16.0	39.0	30.0	121.0	4.0	0.0	0.0	0.0	0.0	216.0
1949	0.0	0.0	0.0	0.0	18.0	29.0	100.3	57.5	0.0	0.0	0.0	0.0	204.8
1950	0.0	0.0	0.0	17.5	101.0	0.0	0.0	0.0	0.0	29.1	4.0	21.7	173.3
1951	0.0	0.0	0.0	25.5	16.5	17.0	46.0	4.5	5.5	0.0	0.0	0.0	115.0
1952	0.0	0.0	0.0	0.0	68.5	115.0	51.3	10.5	25.0	5.0	0.0	0.0	275.3
1953	0.0	0.0	0.0	51.3	28.0	11.0	25.0	131.0	30.0	0.0	0.0	0.0	276.3
1954	0.0	0.0	0.0	48.5	38.0	46.5	28.5	55.0	0.0	0.0	0.0	0.0	216.5
1955	0.0	0.0	0.0	0.0	36.5	0.0	4.0	43.5	0.0	15.0	0.0	0.0	99.0
1956	0.0	0.0	37.0	0.0	50.0	0.0	69.0	50.0	15.0	0.0	0.0	0.0	221.0
1957	0.0	0.0	0.0	0.0	270.5	28.5	76.0	0.0	9.0	0.0	0.0	63.0	447.0
1958	0.0	0.0	0.0	0.0	20.0	67.0	43.5	28.0	0.0	8.0	0.0	0.0	166.5
1959	0.0	0.0	0.0	33.0	0.0	120.0	19.0	51.0	0.0	0.0	0.0	0.0	223.0
1960	0.0	0.0	0.0	0.0	10.0	67.0	0.0	0.0	0.0	0.0	0.0	0.0	77.0
1961	0.0	0.0	3.0	0.0	0.0	181.0	21.0	152.5	0.0	25.0	0.0	0.0	382.5
1962	0.0	0.0	0.0	0.0	0.0	83.0	0.0	4.0	0.0	25.0	0.0	0.0	112.0
1963	0.5	0.0	0.0	0.0	20.0	62.0	58.5	44.5	203.0	4.0	12.0	0.0	404.0
1964	0.0	0.0	0.0	0.0	0.0	43.0	18.0	38.8	0.0	0.0	0.0	0.0	89.8
1965	0.0	0.0	0.0	25.0	28.5	0.0	176.0	184.0	4.5	0.0	16.5	0.0	434.5
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	77.0
MAX	1.0	82.2	37.0	51.3	270.5	194.0	176.0	184.0	203.0	29.1	16.5	63.0	447.0
PROM	0.1	3.7	2.3	10.8	35.7	56.9	41.8	50.8	13.6	6.5	1.8	3.5	227.7
DESV	0.2	16.8	7.7	16.0	55.5	53.5	43.6	50.4	41.3	9.8	4.2	13.4	112.2
CV	3.6	4.5	3.3	1.5	1.6	0.9	1.0	1.0	3.0	1.5	2.3	3.8	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)

EST 45 PUNITAQUI

LAT 3050 LON 7116

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	95.4	0.0	1.0	0.0	1.0	-1.0
1962	0.0	0.0	0.0	0.0	0.0	132.5	0.5	0.5	0.0	22.5	0.0	0.0	154.0
1963	1.0	0.0	0.0	0.0	31.0	50.0	63.5	51.5	102.5	0.0	2.5	0.0	302.0
1964	0.0	0.0	0.0	0.0	0.0	21.0	16.0	39.5	0.0	0.0	0.0	0.0	76.5
1965	0.0	0.0	0.0	0.5	39.5	0.0	163.2	210.0	0.0	0.0	0.0	0.0	413.2
1966	0.0	0.0	0.0	7.0	0.0	124.5	90.5	0.0	0.0	0.0	0.0	0.0	222.0
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	0.5	0.0	0.0	0.0	0.0	0.0	76.5
MAX	1.0	0.0	0.0	7.0	39.5	132.5	163.2	210.0	102.5	22.5	2.5	1.0	413.2
PROM	0.2	0.0	0.0	1.3	14.1	65.6	66.7	66.1	17.1	3.9	0.4	0.2	233.9
DESV	0.4	0.0	0.0	2.8	19.5	60.2	64.9	78.9	41.8	9.1	1.0	0.4	130.2
CV	2.4	-1.0	-1.0	2.3	1.4	0.9	1.0	1.2	2.4	2.3	2.4	2.4	0.6

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2) 343.
 EST 46 CUESTECITA
 LAT 3051 LON 7045

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OGT	NOV	DIC	TOT
1943	-1.0	-1.0	-1.0	-1.0	0.0	67.0	20.0	66.0	16.0	5.0	0.0	0.0	-1.0
1944	0.0	0.0	0.0	29.0	41.0	210.0	9.0	83.0	0.0	0.0	0.0	0.0	372.0
1945	0.0	0.0	80.0	0.0	0.0	0.0	15.0	50.0	0.0	0.0	0.0	0.0	145.0
1946	0.0	0.0	0.0	18.0	54.0	46.0	14.0	0.0	0.0	0.0	0.0	0.0	132.0
1947	0.0	0.0	0.0	0.0	0.0	50.0	51.0	82.0	0.0	0.0	0.0	0.0	183.0
1948	0.0	0.0	6.0	8.0	15.0	25.0	132.0	9.0	0.0	0.0	0.0	0.0	195.0
1949	-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
1950	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1951	-1.0	-1.0	-1.0	-1.0	25.0	37.0	54.0	6.0	10.0	0.0	0.0	0.0	-1.0
1952	0.0	0.0	0.0	0.0	89.0	75.0	61.0	0.0	47.0	0.0	0.0	0.0	272.0
1953	-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
1954	-1.0	-1.0	-1.0	-1.0	36.0	49.0	20.0	28.0	0.0	0.0	0.0	0.0	-1.0
1955	0.0	0.0	0.0	0.0	42.0	0.0	0.0	34.0	18.0	0.0	0.0	0.0	94.0
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	94.0
MAX	0.0	0.0	80.0	29.0	89.0	210.0	132.0	83.0	47.0	5.0	0.0	0.0	372.0
PROM	0.0	0.0	12.3	7.9	30.2	55.9	37.6	35.8	9.1	0.5	0.0	0.0	199.0
DESV	0.0	0.0	29.9	11.5	28.5	59.6	39.2	32.8	15.1	1.6	0.0	0.0	94.8
CV	-1.0	-1.0	2.4	1.5	0.9	1.1	1.0	0.9	1.7	3.2	-1.0	-1.0	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 305 LIMARI
EST 48 RAMADILLA
LAT 3052 LON 7040 ALT 1300 (MTS)

SUP 11927 (KM2)

344.

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

1937	-1.0	-1.0	-1.0	-1.0	-1.0	68.0	35.0	58.0	16.0	0.0	0.0	0.0	-1.0
1938	0.0	0.0	51.0	0.0	140.0	75.0	9.0	0.0	0.0	19.0	0.0	0.0	294.0
1939	0.0	0.0	0.0	0.0	20.0	107.0	16.0	0.0	15.0	44.0	0.0	57.0	259.0
1940	0.0	0.0	0.0	0.0	44.0	120.0	144.0	74.0	0.0	0.0	0.0	0.0	382.0
1941	0.0	0.0	0.0	52.0	83.0	70.0	94.0	180.0	0.0	0.0	0.0	0.0	479.0
1942	0.0	0.0	0.0	0.0	46.0	35.0	21.0	140.0	32.0	36.0	39.0	0.0	369.0
1943	0.0	0.0	0.0	0.0	7.0	95.0	37.0	102.0	0.0	0.0	0.0	0.0	241.0
1944	0.0	0.0	0.0	38.0	39.0	134.0	16.0	108.0	0.0	0.0	0.0	0.0	335.0
1945	0.0	150.0	0.0	0.0	0.0	0.0	50.0	0.0	27.0	0.0	0.0	0.0	227.0
1946	0.0	0.0	0.0	16.0	48.0	75.0	27.0	14.0	0.0	0.0	0.0	0.0	180.0
1947	0.0	0.0	0.0	0.0	0.0	61.0	85.0	29.0	4.0	34.0	0.0	0.0	213.0
1948	0.0	0.0	0.0	18.0	67.0	35.0	120.0	16.0	0.0	0.0	0.0	0.0	256.0
1949	0.0	0.0	0.0	0.0	50.0	34.0	98.0	66.0	0.0	0.0	0.0	0.0	248.0
1950	0.0	0.0	0.0	50.0	150.0	0.0	0.0	0.0	27.0	13.0	16.0	0.0	256.0
1951	0.0	0.0	0.0	29.0	42.0	82.0	57.0	4.0	16.0	0.0	0.0	0.0	230.0
1952	0.0	0.0	0.0	0.0	62.0	82.0	52.0	12.0	32.0	18.0	0.0	0.0	258.0
1953	0.0	0.0	0.0	45.0	50.0	9.0	15.0	184.0	28.0	0.0	0.0	0.0	331.0
1954	0.0	0.0	0.0	44.0	65.0	58.0	23.0	45.0	0.0	0.0	0.0	0.0	235.0
1955	0.0	0.0	0.0	0.0	68.0	0.0	13.0	33.0	7.0	35.0	0.0	0.0	156.0
1956	-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
1957	0.0	0.0	0.0	0.0	280.0	15.0	79.0	14.0	32.0	0.0	0.0	55.0	475.0
1958	0.0	0.0	0.0	0.0	35.0	102.0	54.0	37.0	9.0	0.0	0.0	0.0	237.0
1959	0.0	0.0	0.0	29.0	9.0	99.0	26.0	84.5	0.0	0.0	0.0	0.0	247.5
1960	0.0	0.0	0.0	0.0	11.0	70.0	18.0	0.0	5.5	16.0	0.0	0.0	120.5
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	118.0	3.0	8.5	5.0	35.0	0.0	0.0	169.5
1963	8.0	0.0	0.0	0.0	25.0	72.0	54.5	49.0	179.0	0.0	8.5	0.0	388.0
1964	0.0	0.0	0.0	0.0	0.0	81.0	24.0	57.0	0.0	0.0	0.0	0.0	162.0

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	120.5
MAX	8.0	150.0	51.0	52.0	280.0	134.0	144.0	184.0	179.0	44.0	39.0	57.0	479.0
PROM	0.3	6.0	2.0	12.8	53.6	65.3	45.0	50.6	16.7	9.6	2.4	4.3	269.9
DESV	1.6	30.0	10.2	19.1	61.2	39.0	37.7	54.3	35.2	14.9	8.2	15.2	92.9
CV	5.0	5.0	5.0	1.5	1.1	0.6	0.8	1.1	2.1	1.5	3.4	3.5	0.3

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)

EST 49 CHANARAL ALTO

LAT 3052 LON 7102 ALT 1800 (MYS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOY
1962	0.0	0.0	0.0	0.0	0.0	86.0	0.8	0.0	0.0	20.0	0.0	0.0	106.8
1963	0.0	0.0	0.0	0.0	15.0	58.0	58.0	49.0	110.0	0.0	13.0	0.0	303.0
1964	0.0	0.0	0.0	0.0	0.0	22.0	14.0	42.0	0.0	0.0	0.0	0.0	78.0
1965	0.0	0.0	0.0	0.0	28.0	2.0	182.0	155.0	0.0	0.0	2.0	0.0	369.0
1966	0.0	0.0	0.0	8.0	0.0	123.0	61.0	17.0	-1.0	0.0	-1.0	0.0	-1.0
1967	0.0	0.0	0.0	0.0	3.2	24.0	56.0	2.5	36.0	2.5	0.0	0.0	124.0
1968	0.0	0.0	0.0	0.0	0.0	36.0	0.0	4.0	0.0	0.0	0.0	0.0	40.0
MIN	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0
MAX	0.0	0.0	0.0	8.0	28.0	123.0	182.0	155.0	110.0	20.0	13.0	0.0	369.0
PROM	0.0	0.0	0.0	1.1	6.6	50.1	53.1	38.5	24.3	3.2	2.5	0.0	170.1
DESV	0.0	0.0	0.0	3.0	10.9	42.1	63.0	55.0	44.4	7.5	5.2	0.0	133.2
CV	-1.0	-1.0	-1.0	2.6	1.7	0.8	1.2	1.4	1.8	2.3	2.1	-1.0	0.8

345.

NOTA: VALORES NEGATIVOS INCICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)

EST 50 CHANARAL

LAT 3053 LON 7046

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOY
1943	-1.0	-1.0	-1.0	-1.0	0.0	75.5	11.5	83.0	0.0	0.0	0.0	0.0	-1.0
1944	5.5	0.0	0.0	26.0	33.5	186.0	12.5	83.0	6.5	13.5	0.0	0.0	366.5
1945	0.0	75.0	0.0	0.0	0.0	2.0	30.0	0.0	11.0	0.0	0.0	0.0	118.0
1946	0.0	0.0	0.0	6.0	46.0	62.0	10.0	0.0	0.0	0.0	0.0	0.0	124.0
1947	0.0	0.0	0.0	6.0	0.0	52.5	60.0	56.0	0.0	7.0	0.0	0.0	181.5
MIN	0.0	0.0	0.0	0.0	0.0	2.0	10.0	0.0	0.0	0.0	0.0	0.0	118.0
MAX	5.5	75.0	0.0	26.0	46.0	186.0	60.0	83.0	11.0	13.5	0.0	0.0	366.5
PROM	1.4	18.8	0.0	9.5	15.9	75.6	24.8	44.4	3.5	4.1	0.0	0.0	197.5
DESV	2.8	37.5	0.0	11.4	22.2	67.7	21.3	42.0	5.0	6.1	0.0	0.0	116.2
CV	2.0	2.0	-1.0	1.2	1.4	0.9	0.9	0.9	1.4	1.5	-1.0	-1.0	0.6

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM) *****

ZONA 3 HOYA 305 LIMARI (MARI) 208 AY SUP 11927 (KM2)
 EST 51 SAN MARCOS RETEN
 LAT 3056 LON 7104 ALT 1500 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	TOT
1962	0.0	0.0	0.0	0.0	0.0	86.0	0.0	0.0	0.0	19.0	0.0	0.0	105.0
1963	-1.0	0.0	0.0	0.0	24.0	48.0	48.0	-1.0	101.0	2.0	1.0	0.0	-1.0
1964	0.0	0.0	0.0	0.0	0.0	34.0	11.0	40.0	0.0	0.0	0.0	0.0	85.0
1965	0.0	0.0	0.0	0.0	30.0	0.0	139.0	154.0	0.0	0.0	0.0	0.0	323.0
1966	0.0	0.0	0.0	7.5	0.0	132.0	84.0	11.0	1.1	0.0	1.0	0.0	236.6
1967	0.0	0.0	0.0	0.0	0.5	20.0	56.0	0.0	34.0	2.5	0.0	0.0	113.5
1968	0.0	0.0	0.0	0.0	0.0	34.0	0.0	8.0	11.0	0.0	0.0	0.0	53.0
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	53.0
MAX	0.0	0.0	0.0	7.5	30.0	132.0	139.0	154.0	101.0	19.0	1.0	0.0	323.0
PROM	0.0	0.0	0.0	1.1	7.8	50.6	48.3	35.5	21.0	3.4	0.3	0.0	152.7
DESV	0.0	0.0	0.0	2.8	13.2	44.6	51.0	59.9	37.4	7.0	0.5	0.0	104.3
CV	-1.0	-1.0	-1.0	2.6	1.7	0.9	1.1	1.7	1.8	2.1	1.7	-1.0	0.7

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 305 LIMARI
EST 52 TULAHUEN ORIENTE
LAT 3101 LON 7044 ALT 1095 (MTS)

SUP 11927 (KM2)

348.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1947	0.0	0.0	0.0	0.0	0.0	60.0	57.5	85.0	0.0	11.0	0.0	0.0	213.5
1948	0.0	0.0	2.0	32.0	48.0	45.5	261.0	10.0	0.0	0.0	0.0	0.0	398.5
1949	0.0	0.0	0.0	0.0	55.0	33.0	111.0	74.0	0.0	0.0	0.0	0.0	273.0
1950	10.0	0.0	0.0	41.5	176.0	0.0	0.0	8.0	46.0	14.0	13.0	0.0	308.5
1951	0.0	0.0	0.0	45.0	20.0	17.0	53.0	4.0	11.0	0.0	0.0	0.0	150.0
1952	0.0	16.0	0.0	0.0	86.0	150.0	63.0	8.0	35.0	16.0	0.0	0.0	274.0
1953	0.0	0.0	0.0	17.0	79.5	21.0	41.0	276.0	52.0	0.0	0.0	0.0	406.5
1954	0.0	1.0	0.0	70.0	66.0	64.0	29.0	43.0	0.0	0.0	0.0	0.0	273.0
1955	0.0	0.0	0.0	8.0	53.0	0.0	5.0	46.0	0.0	4.0	0.0	0.0	116.0
1956	0.0	0.0	38.5	0.0	8.5	0.0	59.5	61.0	11.0	0.0	0.0	0.0	178.5
1957	0.0	0.0	0.0	0.0	370.0	0.0	92.0	9.0	7.0	2.0	0.0	66.0	546.0
1958	0.0	0.0	0.0	0.0	10.0	63.0	67.0	24.0	0.0	15.0	0.0	0.0	179.0
1959	0.0	0.0	0.0	34.0	11.0	178.0	34.0	76.0	0.0	0.0	0.0	0.0	335.0
1960	0.0	0.0	0.0	0.0	9.0	107.0	15.5	0.0	0.0	0.0	0.0	0.0	131.5
1961	0.0	0.0	0.0	2.0	0.0	139.5	29.5	242.0	0.0	31.0	0.0	0.0	444.0
1962	0.0	0.0	0.0	0.0	0.0	87.0	1.0	10.0	0.0	33.0	0.0	0.0	131.0
1963	0.2	0.0	0.0	0.0	33.0	60.0	64.0	50.0	177.0	3.5	12.0	0.0	399.7
1964	0.0	0.0	0.0	0.0	0.0	-1.0	162.0	249.0	-1.0	-1.0	-1.0	-1.0	-1.0
1965	0.0	0.0	0.0	11.0	31.0	7.0	192.0	208.0	0.0	0.0	14.0	0.0	463.0
1966	0.0	0.0	0.0	6.0	0.0	154.0	87.5	48.0	0.0	0.0	5.0	0.0	300.5
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	116.0
MAX	10.0	16.0	38.5	70.0	370.0	178.0	261.0	276.0	177.0	33.0	14.0	66.0	546.0
PROM	0.5	0.8	2.0	13.3	52.8	62.4	71.2	76.5	17.8	6.8	2.3	3.5	300.1
DESV	2.2	3.6	8.6	20.2	86.2	58.5	67.0	90.3	41.9	10.5	4.9	15.1	133.5
CV	4.4	4.2	4.2	1.5	1.6	0.9	0.9	1.2	2.3	1.5	2.1	4.4	0.4

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCENCCIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 305 LIMARI

SUP 11927 (KM2)

EST 54 EMBALSE COGOTI

LAT 3100 LON 7107 ALT 656 (MTS)

349.

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

1936	-1.0	-1.0	-1.0	-1.0	33.0	6.5	89.0	39.0	2.0	-1.0	-1.0	-1.0	-1.0
1937	0.0	0.0	0.0	0.0	0.5	60.0	36.0	48.0	7.3	0.5	0.0	0.0	152.3
1938	0.0	0.1	12.5	0.0	94.4	39.0	16.0	0.0	0.0	6.0	0.0	0.0	168.0
1939	0.0	0.0	0.1	0.0	13.0	69.0	12.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0
1940	-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
1941	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1942	-1.0	-1.0	-1.0	-1.0	-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	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1944	-1.0	-1.0	-1.0	-1.0	12.0	68.0	18.5	45.0	0.0	0.0	0.0	0.0	-1.0
1945	0.0	0.0	0.0	24.0	28.0	119.0	9.0	67.5	0.0	0.0	0.0	0.0	247.5
1946	0.0	85.0	0.0	0.0	33.0	69.0	8.0	20.0	0.0	0.0	0.0	0.0	215.0
1947	0.0	0.0	0.0	0.0	-1.0	49.0	39.1	18.0	18.0	6.0	23.0	0.0	-1.0
1948	0.0	0.0	0.0	8.0	46.0	22.0	78.0	11.8	0.0	1.0	0.0	0.0	166.8
1949	0.0	0.0	0.0	0.0	31.0	39.0	92.8	37.0	0.0	0.0	0.0	0.0	199.8
1950	0.0	0.0	0.0	14.0	107.4	0.0	0.0	2.0	19.0	0.0	13.0	0.0	153.4
1951	0.0	0.0	0.0	2.0	20.5	52.0	40.0	0.0	9.0	0.0	0.0	0.0	123.5
1952	-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
1953	-1.0	-1.0	-1.0	-1.0	25.0	4.0	25.0	136.0	27.0	0.0	0.0	0.0	-1.0
1954	0.0	1.0	2.0	42.0	56.0	55.0	30.0	36.5	0.0	0.0	0.0	0.0	222.5
1955	0.0	0.0	0.0	5.0	19.0	0.0	6.0	28.0	4.5	18.0	0.0	0.0	80.5
1956	0.0	0.0	0.0	0.0	0.0	6.0	50.0	30.0	29.0	0.0	0.0	0.0	115.0
1957	0.0	0.0	0.0	0.0	330.0	8.0	71.0	5.0	18.0	0.0	0.0	20.0	452.0
1958	0.0	0.0	0.0	0.0	19.0	85.0	45.0	37.0	5.0	0.0	0.0	0.0	191.0
1959	0.0	0.0	0.0	9.0	0.0	41.0	9.0	34.0	0.0	0.0	0.0	0.0	93.0
1960	0.0	0.0	0.0	0.0	6.0	21.0	6.0	13.0	0.0	0.0	0.0	0.0	46.0
1961	0.0	0.0	0.0	0.0	3.0	156.0	34.0	99.0	0.0	8.7	0.0	0.0	300.7
1962	0.0	0.0	0.0	0.0	0.0	65.0	0.0	3.0	0.0	34.0	0.0	0.0	102.0
1963	0.3	0.0	0.0	0.0	19.0	46.0	56.0	38.0	98.0	0.0	0.0	0.0	248.3
1964	0.0	0.0	0.0	0.0	0.0	22.0	10.0	38.0	0.0	0.0	0.0	0.0	70.0
1965	0.0	0.0	0.0	2.0	48.0	10.0	0.0	0.5	0.0	0.0	0.0	0.0	60.5
1966	0.0	0.0	0.0	8.0	0.0	169.4	88.5	14.7	0.0	0.0	0.0	0.0	280.6
1967	0.0	0.0	0.0	0.0	0.0	18.0	74.0	4.0	40.0	8.0	0.0	0.0	144.0
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	46.0
MAX	0.3	85.0	12.5	42.0	330.0	169.4	92.8	136.0	98.0	34.0	23.0	20.0	452.0
PROM	0.0	3.4	0.6	4.6	36.3	48.1	34.9	29.8	10.3	3.3	1.4	0.8	174.2
DESV	0.1	17.0	2.5	9.7	66.0	44.2	30.3	31.5	20.7	7.7	5.2	4.0	94.9
CV	5.0	4.9	4.3	2.1	1.8	0.9	0.9	1.1	2.0	2.3	3.6	5.0	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM) *****

ZONA 3

HOYA 305 LIMARI
EST 56 LAS RAMADAS
LAT 3102 LON 7038 ALT 2056 (MTS)

SUP 11927 (KM2)

350.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1943	-1.0	-1.0	-1.0	-1.0	14.0	33.0	94.0	54.0	2.0	0.0	0.0	0.0	-1.0
1944	0.0	6.0	0.0	30.0	34.0	186.0	14.0	140.0	8.5	4.5	0.0	0.0	422.5
1945	0.0	48.0	0.0	12.0	0.0	14.0	28.0	0.0	33.0	0.0	0.0	0.0	135.0
1946	-1.0	-1.0	-1.0	-1.0	56.0	52.0	20.0	5.0	0.0	0.0	0.0	0.0	-1.0
1947	0.0	0.0	0.0	3.0	0.0	53.0	50.0	70.0	0.0	7.0	0.0	0.0	183.0
1948	0.0	0.0	20.0	20.0	31.0	52.0	159.0	24.0	0.0	0.0	0.0	0.0	301.0
1949	0.0	0.0	0.0	0.0	36.0	23.0	83.0	63.0	0.0	0.0	0.0	0.0	205.0
1950	0.0	0.0	0.0	18.0	175.0	3.0	0.0	23.0	20.0	0.0	0.0	0.0	239.0
1951	0.0	0.0	0.0	23.0	13.0	28.0	48.5	3.0	3.5	0.0	0.0	0.0	119.0
1952	0.0	0.0	0.0	0.0	80.0	99.0	61.0	30.0	9.0	0.0	0.0	0.0	279.0
1953	0.0	0.0	0.0	5.0	97.0	38.5	19.0	89.0	75.0	0.0	0.0	0.0	323.5
1954	0.0	0.0	0.0	46.0	73.0	66.0	28.0	20.0	0.0	0.0	0.0	0.0	233.0
1955	0.0	0.0	0.0	0.0	48.0	0.0	7.0	18.0	0.0	14.5	0.0	0.0	87.5
1956	0.0	0.0	0.0	0.0	48.0	7.0	12.0	11.0	0.0	0.0	0.0	0.0	78.0
1957	0.0	0.0	0.0	0.0	269.0	0.0	40.0	14.0	0.0	41.0	0.0	44.0	408.0
1958	0.0	0.0	0.0	0.0	0.0	106.0	0.0	20.0	0.0	13.5	0.0	0.0	139.5
1959	0.0	4.0	0.0	0.0	0.0	170.0	16.0	27.0	0.0	0.0	0.0	0.0	217.0
1960	0.0	0.0	0.0	7.0	13.5	52.5	21.5	0.0	0.0	1.0	0.0	0.0	95.5
1961	0.0	0.0	4.0	0.0	8.0	164.5	48.5	179.0	10.0	29.0	0.0	3.0	446.0
1962	0.0	0.0	10.0	0.0	1.0	88.5	10.0	18.5	0.0	37.5	0.0	0.0	165.5
1963	5.0	0.0	0.0	0.0	36.5	108.0	63.0	64.0	218.0	13.0	21.5	0.0	529.0
1964	0.0	0.0	0.0	0.0	0.0	70.0	21.5	47.0	0.0	0.0	0.0	0.0	138.5
1965	4.0	0.0	0.0	44.0	32.0	12.0	159.0	271.0	21.0	3.0	14.0	0.0	560.0
1966	0.0	0.0	0.0	0.0	0.0	185.5	-1.0	-1.0	-1.0	0.0	17.0	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	78.0
MAX	5.0	48.0	20.0	46.0	269.0	186.0	159.0	271.0	218.0	41.0	21.5	44.0	560.0
PROM	0.4	2.6	1.5	9.5	44.4	67.1	43.6	51.8	17.4	6.8	2.2	2.0	252.8
DESV	1.3	10.2	4.7	14.6	62.9	59.6	44.2	65.4	46.9	12.2	6.0	9.0	146.0
CV	3.3	3.9	3.0	1.5	1.4	0.9	1.0	1.3	2.7	1.8	2.8	4.6	0.6

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCENCCIDOS

PRECIPITACIONES (MM)													
ZONA	3		HOYA 305	LIMARI	SUP 11927 (KM2)								
			EST. 58	HDA COGOTI									
			LAT 3104	LON 7059									
AÑO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	TOT
1947	0.0	0.0	0.0	0.0	0.0	40.0	69.0	31.0	0.0	28.0	0.0	0.0	168.0
1948	0.0	0.0	2.0	16.0	53.0	20.0	113.0	13.0	0.0	3.0	0.0	0.0	220.0
1949	0.0	0.0	0.0	0.0	55.0	29.0	98.0	57.0	2.5	0.0	0.0	0.0	241.0
1950	0.0	0.0	0.0	42.0	136.0	0.0	0.0	0.0	24.0	7.0	12.0	0.0	221.0
1951	0.0	0.0	0.0	16.0	37.0	65.0	49.0	4.0	13.0	0.0	0.0	0.0	184.0
1952	0.0	0.0	0.0	0.0	50.0	73.0	47.0	8.0	31.0	9.0	0.0	0.0	218.0
1953	0.0	0.0	0.0	36.0	43.0	13.0	33.0	140.0	35.0	0.0	0.0	0.0	300.0
1954	0.0	1.0	1.0	42.0	60.0	59.0	39.0	37.0	0.0	0.0	0.0	0.0	240.0
1955	0.0	0.0	0.0	5.0	41.0	0.0	7.0	24.0	6.0	33.0	0.0	0.0	116.0
1956	0.0	0.0	0.0	0.0	2.0	4.0	45.0	37.0	22.0	0.0	0.0	0.0	149.0
1957	0.0	0.0	0.0	0.0	325.0	4.0	54.0	12.0	33.0	2.0	0.0	38.0	468.0
1958	0.0	0.0	0.0	0.0	20.0	68.0	28.0	42.0	20.0	11.0	0.0	0.0	189.0
1959	0.0	0.0	0.0	28.0	7.0	84.0	21.0	70.0	0.0	0.0	0.0	0.0	210.0
1960	0.0	0.0	0.0	0.0	15.0	33.0	11.0	5.0	4.0	4.0	0.0	0.0	72.0
1961	0.0	0.0	0.0	0.0	0.0	128.0	24.0	132.0	0.0	31.0	0.0	0.0	318.0
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	72.0
MAX	0.0	1.0	39.0	42.0	325.0	128.0	113.0	140.0	35.0	33.0	12.0	38.0	468.0
PROM	0.0	0.1	2.9	12.3	56.3	41.3	42.5	40.8	12.7	8.5	0.8	2.7	221.0
DESV	0.0	0.3	10.0	16.6	82.0	37.4	31.8	43.6	13.5	12.0	3.1	9.8	93.0
CV	-1.0	3.9	3.5	1.3	1.5	0.9	0.7	1.1	1.1	1.4	3.9	3.6	0.4

NOTA: LOS VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS.

PRECIPITACIONES (MM)

=====													
ZONA	3			HQYA	305	LIMARI			SUP. 11927 (KM2)				
				EST	59	COGOTI DIECIOCHO							
				LAT	3106	LON	7048	ALT	650	(MTS)			
=====													
AÑO	ENE	FEB.	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	TOT
=====													
1943	-1.0	-1.0	-1.0	-1.0	9.0	68.0	25.0	80.0	0.0	0.0	0.0	0.0	-1.0
1944	0.0	0.0	0.0	0.0	30.0	113.0	7.0	83.5	0.0	0.0	0.0	0.0	233.5
1945	0.0	94.0	0.0	0.0	0.0	3.0	0.0	38.0	0.0	0.0	0.0	0.0	135.0
1946	0.0	0.0	0.0	9.0	46.0	77.0	13.0	0.0	0.0	0.0	0.0	0.0	145.0
1947	0.0	0.0	0.0	0.0	0.0	50.0	61.0	31.0	0.0	28.0	0.0	0.0	170.0
1948	0.0	0.0	2.0	16.0	53.0	20.0	116.0	13.0	0.0	3.0	0.0	0.0	223.0
1949	0.0	0.0	0.0	0.0	55.0	29.0	98.0	57.0	2.5	0.0	0.0	0.0	241.0
1950	0.0	0.0	0.0	42.0	136.0	0.0	0.0	13.0	11.0	10.0	17.0	0.0	229.0
1951	0.0	0.0	0.0	16.0	37.0	44.0	53.0	4.0	13.0	0.0	0.0	0.0	167.0
1952	0.0	0.0	0.0	0.0	50.0	73.0	50.0	5.0	31.0	9.0	0.0	0.0	218.0
1953	0.0	0.0	0.0	50.0	40.0	13.0	33.0	140.0	35.0	0.0	0.0	0.0	311.0
1954	0.0	0.0	2.0	42.0	60.0	59.0	39.0	37.0	0.0	0.0	0.0	0.0	240.0
1955	0.0	0.0	0.0	5.0	41.0	0.0	7.0	24.0	6.0	33.0	0.0	0.0	116.0
1956	0.0	0.0	39.0	0.0	2.0	4.0	35.0	37.0	22.0	0.0	0.0	0.0	149.0
1957	-1.0	-1.0	-1.0	-1.0	316.0	4.0	54.0	12.0	23.0	2.0	0.0	38.0	-1.0
1958	-1.0	-1.0	-1.0	-1.0	20.0	68.0	28.0	42.0	20.0	0.0	0.0	0.0	-1.0
1959	0.0	0.0	0.0	28.0	7.0	84.0	21.0	70.0	0.0	0.0	0.0	0.0	210.0
1960	0.0	0.0	0.0	0.0	15.0	33.0	11.0	5.0	4.0	4.0	0.0	0.0	72.0
1961	0.0	0.0	0.0	0.0	0.0	128.0	24.0	132.0	0.0	31.0	0.0	3.0	318.0
1962	0.0	0.0	0.0	0.0	0.0	98.0	0.0	3.0	0.0	35.0	0.0	0.0	126.0
1963	0.0	0.0	0.0	0.0	25.0	46.0	47.0	53.0	45.0	0.0	9.0	0.0	225.0
1964	0.0	0.0	0.0	0.0	0.0	64.0	18.0	45.0	0.0	0.0	0.0	0.0	127.0
1965	0.0	0.0	0.0	0.0	2.0	46.0	4.0	169.0	171.0	0.0	0.0	0.0	392.0
1966	0.0	0.0	0.0	13.0	0.0	129.0	89.0	24.0	0.0	0.0	0.0	0.0	255.0
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
1968	0.0	0.0	0.0	0.0	0.0	34.0	0.0	7.0	12.0	0.0	0.0	0.0	53.0
=====													
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	53.0
MAX	0.0	94.0	39.0	50.0	316.0	129.0	116.0	169.0	171.0	33.0	17.0	38.0	392.0
PROM	0.0	4.1	1.9	9.6	37.8	51.5	33.7	45.0	15.8	5.8	1.0	1.6	198.0
DESV	0.0	19.6	8.1	15.8	65.7	39.1	31.9	45.7	34.8	10.9	3.8	7.6	81.8
CV	-1.0	4.7	4.3	1.6	1.7	0.8	0.9	1.0	2.2	1.9	3.6	4.6	0.4
=====													

352.

NOTA: LOS VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS.

PRECIPITACIONES (MM)

=====													
ZONA	3												
	HOYA 305 LIMARI										SUP 11927 (KM2)		
	EST 60 COMBARBALA SUB COM.												
	LAT 3110 LON 7102 ALT 1300 (MTS)												
AÑO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	TOT
=====													
1962	0.0	0.0	0.0	0.0	0.0	-1.0	0.0	-1.0	0.0	33.0	0.0	0.0	-1.0
1963	6.0	0.0	0.0	0.0	25.0	55.0	57.0	55.0	146.0	0.0	-1.0	0.0	-1.0
1964	0.0	0.0	0.0	0.0	0.0	50.0	22.0	49.0	0.0	0.0	0.0	0.0	77.-
1965	0.0	0.0	0.0	8.0	43.0	6.0	180.0	165.0	0.0	0.0	0.0	0.0	402.0
1966	0.0	0.0	0.0	9.0	0.0	130.0	99.0	17.0	0.0	0.0	0.0	0.0	255.0
1967	0.0	0.0	0.0	0.0	0.0	35.0	80.0	12.0	50.0	7.0	0.0	0.0	184.0
1968	0.0	0.0	0.0	0.0	0.0	42.0	0.0	9.0	26.0	0.0	-1.0	-1.0	-1.0
=====													
MIN	0.0	0.0	0.0	0.0	0.0	6.0	0.0	9.0	0.0	0.0	0.0	0.0	77.0
MAX	6.0	0.0	0.0	9.0	43.0	130.0	180.0	165.0	146.0	33.0	0.0	0.0	402.0
PROM	0.9	0.0	0.0	2.4	9.7	52.2	62.6	51.2	31.7	5.7	0.0	0.0	229.5
DESV	2.3	0.0	0.0	4.2	17.4	41.5	64.5	59.1	53.9	12.3	0.0	0.0	136.3
CV	2.6	-1.0	-1.0	1.7	1.8	0.8	1.0	1.2	1.7	2.2	-1.0	-1.0	0.6
=====													

353.

NOTA: VALORES NEGATIVOS INDICAN VALORES DESCONOCIDOS.

PRECIPITACIONES (MM)

ZCNA 3													
HCYA 305 LIMARI SLP 11927 (KM2)													
EST 61 CCMEAFEBALA C C S PRCP OMC TIPC TP													
LAT 3111 LCN 71C2 ALT 904 (MTS)													

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

1918	-1.0	-1.0	2.8	4.0	3.1	48.9	45.0	-1.0	-1.0	0.0	0.0	0.0	-1.0
1919	0.0	0.0	0.0	0.0	156.5	141.0	128.0	16.0	0.0	0.0	0.0	0.0	492.0
1920	0.0	0.0	0.0	0.0	47.1	8.5	25.7	9.7	0.0	0.0	0.0	0.0	91.4
1921	-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
1922	0.0	0.0	0.0	0.0	0.0	120.1	21.0	76.0	31.0	0.0	0.0	0.0	248.6
1923	0.0	0.0	0.0	0.0	0.0	41.8	117.0	0.0	0.0	0.0	0.0	0.0	216.9
1924	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	20.0
1925	0.0	0.0	0.0	0.0	0.0	113.6	56.0	0.0	8.4	31.8	0.0	0.0	109.8
1926	0.0	0.0	0.0	0.0	0.0	33.6	208.5	33.6	2.0	0.0	0.0	0.0	594.3
1927	0.0	0.0	0.0	0.0	0.0	115.2	64.0	18.7	12.0	0.0	0.0	0.0	274.0
1928	0.0	0.0	0.0	0.0	37.0	112.0	64.0	18.7	0.0	0.0	0.0	0.0	274.0
1929	0.0	0.0	0.0	0.0	0.0	159.0	17.0	0.0	15.0	0.0	0.0	0.0	262.5
1930	0.0	0.0	0.0	0.0	23.5	88.0	73.4	22.6	20.0	0.0	0.0	0.0	550.0
1931	0.0	0.0	0.0	0.0	8.4	90.0	48.0	83.0	72.0	0.0	1.0	0.0	270.0
1932	0.0	0.0	0.0	0.0	0.0	93.5	23.0	83.0	0.0	0.0	0.0	0.0	290.0
1933	0.0	0.0	0.0	0.0	0.0	33.5	51.0	19.0	0.0	0.0	0.0	0.0	124.5
1934	0.0	0.0	0.0	0.0	0.0	21.8	94.0	15.0	0.0	0.0	0.0	0.0	349.1
1935	0.0	0.0	0.0	0.0	0.0	6.8	57.0	22.0	0.0	1.6	0.0	0.0	155.5
1936	0.0	0.0	0.0	0.0	0.0	0.0	102.0	4.9	0.0	1.5	0.0	0.0	238.8
1937	0.0	0.0	0.0	0.0	0.0	0.0	37.0	5.0	17.0	0.0	0.0	0.0	164.7
1938	0.0	0.0	0.0	0.0	0.0	14.0	13.0	1.0	0.0	0.0	0.0	0.0	25.5
1939	0.0	0.0	0.0	0.0	0.0	9.0	9.0	1.0	14.0	0.0	0.0	0.0	22.1
1940	0.0	0.0	0.0	0.0	0.0	30.1	121.0	6.0	0.0	0.0	0.0	0.0	356.0
1941	0.0	0.0	0.0	0.0	39.0	104.0	63.0	18.0	0.0	0.0	0.0	0.0	483.0
1942	0.0	0.0	0.0	0.0	0.0	44.5	63.0	12.0	8.0	4.0	0.0	0.0	331.0
1943	0.0	0.0	0.0	0.0	0.0	33.0	77.0	24.0	0.0	0.0	0.0	0.0	225.0
1944	0.0	0.0	0.0	0.0	0.0	26.0	120.0	11.0	0.0	1.0	0.0	0.0	321.0
1945	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	14.0	0.0	0.0	0.0	223.0
1946	0.0	0.0	0.0	0.0	0.0	12.0	56.0	8.0	0.0	0.0	0.0	0.0	193.0
1947	0.0	0.0	0.0	0.0	0.0	0.0	49.0	3.0	0.0	0.0	0.0	0.0	199.0
1948	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	243.0
1949	0.0	0.0	0.0	0.0	0.0	15.0	62.0	10.0	0.0	0.0	0.0	0.0	306.0
1950	0.0	0.0	0.0	0.0	0.0	49.0	67.0	14.0	0.0	0.0	0.0	0.0	306.0
1951	0.0	0.0	0.0	0.0	0.0	11.0	33.0	5.0	25.0	1.0	0.0	0.0	236.0
1952	0.0	0.0	0.0	0.0	0.0	0.0	72.0	5.0	12.0	0.0	0.0	0.0	186.0
1953	0.0	0.0	0.0	0.0	0.0	50.0	41.0	4.0	28.0	12.0	0.0	0.0	278.0
1954	0.0	0.0	0.0	0.0	0.0	31.0	72.0	2.0	0.0	0.0	0.0	0.0	225.0
1955	0.0	0.0	0.0	0.0	0.0	6.0	6.0	1.0	0.0	2.0	0.0	0.0	133.0
1956	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	3.0	0.0	0.0	0.0	168.0
1957	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	6.0	0.0	0.0	0.0	53.0
1958	0.0	0.0	0.0	0.0	0.0	3.0	6.0	0.0	4.0	0.0	0.0	0.0	24.0
1959	0.0	0.0	0.0	0.0	0.0	2.0	9.0	0.0	0.0	0.0	0.0	0.0	21.0
1960	0.0	0.0	0.0	0.0	0.0	1.0	9.0	0.0	0.0	0.0	0.0	0.0	13.0
1961	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
1962	0.0	0.0	0.0	0.0	0.0	10.0	8.0	1.0	0.0	0.0	0.0	0.0	15.0

ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	5.0	0.0	0.0	0.0	25.0	52.0	56.5	54.5	145.5	0.0	10.5	0.0	349.0
1964	0.0	0.0	0.0	0.0	0.0	40.0	22.0	40.0	0.0	0.0	0.0	0.0	71.0
1965	0.0	0.0	0.0	8.0	41.0	5.0	203.0	156.0	0.0	0.0	0.5	0.0	413.5
1966	0.0	0.0	0.0	8.5	0.0	126.0	94.0	22.0	0.0	0.0	2.0	0.0	252.5
1967	0.0	0.0	0.0	0.0	0.5	36.0	80.0	8.5	51.0	7.0	0.0	0.0	183.0
1968	0.0	0.0	0.0	0.0	0.0	45.0	0.0	-1.0	24.0	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	20.0
MAX	6.5	149.0	43.0	50.0	372.0	308.5	208.7	226.5	145.5	42.0	15.2	51.5	594.3
PRCM	0.4	3.6	1.8	7.8	47.3	68.2	53.5	51.5	12.2	6.1	0.7	2.1	260.8
DESV	1.4	21.3	7.8	13.9	68.7	56.5	49.2	52.0	24.4	1.4	2.0	0.4	122.8
CV	2.7	5.9	4.4	1.8	1.5	0.8	0.9	1.0	2.0	1.5	3.0	4.4	0.5

355

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCENDIENTES

```

*****
PRECIPITACIONES (MM)
*****
ZCNA 3 HCYA 305 LIMARI SLP 11927 (KM2)
EST 62 LA CERTADERA PRCP DCA TIPC PV
LAT 3017 LEN 7047 ALT 1000 (MTS)
*****
ANC ENE FEB MAR APR MAY JUN JUL AG SEP OCT NOV DIC TOT
1967 -1.0 -1.0 -1.0 -1.0 -1.0 18.5 3.5 3.0 30.5 2.0 0.0 0.0 -1.0
1968 0.0 0.0 0.0 0.0 0.0 25.0 0.0 0.0 1.5 0.0 0.0 0.0 2.5
*****

```

356.

PRECIPITACIONES (MM)

ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)
EST 63 PABELLON
LAT 3025 LON 7033

357.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1968	-1.0	-1.0	-1.0	-1.0	3.0	15.0	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0

PRECIPITACIONES (MM)

ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)
EST 64 ESTANCIA EL CHACAY
LAT 3027 LON 7041

358.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1968	-1.0	-1.0	-1.0	-1.0	-1.0	26.0	0.0	0.0	3.5	0.0	0.0	0.0	-1.0

PRECIPITACIONES (MM)

```

*****
ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)
EST 65 SALALA
LAT 3040 LON 7132
*****
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
1968 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 0.0 0.0 -1.0 -1.0
*****

```

359.

PRECIPITACIONES (MM)

ZCNA 3 HCYA 305 LJMARI SUP 11927 (KM2)
 EST 66 EMBALSE LA PALOMA PRCP DCA TIPO PV
 LAT 3042 LON 7104 ALT 242 (MTS)

*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TCT	*****	
1943	-1.0	-1.0	-1.0	-1.0	10.4	49.0	10.7	82.0	4.0	0.0	0.0	0.0	-1.0	0.0	
1944	1.0	0.0	0.0	21.0	27.0	118.0	5.0	54.0	15.0	11.5	0.0	0.0	266.5	0.0	
1945	0.0	49.0	0.0	0.0	0.0	0.0	47.0	0.0	14.0	0.0	0.0	0.0	110.0	0.0	
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	0.0	
1947	0.0	0.0	0.0	0.0	0.0	24.0	43.4	30.4	0.0	2.5	0.0	0.0	100.3	0.0	
1948	0.0	0.0	0.0	10.0	28.5	14.5	68.7	26.0	0.0	0.0	0.0	0.0	128.0	0.0	
1949	0.0	0.0	0.0	0.0	19.0	31.7	78.9	26.0	0.0	0.0	0.0	0.0	155.0	0.0	
1950	0.0	0.0	0.0	16.0	19.0	0.0	0.0	2.0	2.2	2.0	12.0	0.0	113.2	0.0	
1951	0.0	0.0	0.0	0.0	17.5	30.0	32.0	0.0	0.0	0.0	0.0	0.0	80.0	0.0	
1952	-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	-1.0	
1953	-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	-1.0	
1954	0.0	0.0	0.0	0.0	2.0	46.0	30.0	23.0	0.0	0.0	0.0	0.0	192.5	0.0	
1955	0.0	0.0	0.0	0.0	20.0	0.0	0.0	20.0	2.0	27.0	0.0	0.0	78.0	0.0	
1956	0.0	0.0	4.0	0.0	0.0	0.0	3.0	31.0	31.0	0.0	3.0	0.0	144.0	0.0	
1957	0.0	0.0	0.0	0.0	34.0	0.0	0.0	12.0	0.0	0.0	0.0	30.0	466.5	0.0	
1958	0.0	0.0	0.0	0.0	1.0	67.0	24.0	43.0	0.0	0.0	0.0	0.0	166.5	0.0	
1959	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	191.5	0.0	
1960	0.0	0.0	0.0	0.0	0.0	19.0	0.0	1.0	0.0	0.0	0.0	0.0	25.0	0.0	
1961	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	-1.0	
1962	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.0	0.0	19.0	4.5	0.0	88.0	0.0	
1963	0.0	0.0	0.0	0.0	19.5	54.0	5.0	41.6	48.5	0.0	0.0	0.0	226.6	0.0	
1964	0.0	0.0	0.0	0.0	0.0	28.8	12.5	31.4	0.0	0.0	0.0	0.0	72.7	0.0	
1965	0.0	0.0	0.0	1.6	32.5	1.7	160.0	128.8	0.0	3.2	0.0	0.0	325.7	0.0	
1966	0.0	0.0	0.0	5.9	0.0	117.8	56.1	9.4	0.1	0.0	0.1	0.0	189.6	0.0	
1967	0.0	0.0	0.0	0.0	0.0	21.4	36.7	1.6	36.1	1.9	0.2	0.0	97.6	0.0	
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	-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	25.0	0.0	
MAX	1.0	49.0	40.0	25.0	314.0	118.0	160.0	126.8	48.5	27.0	12.0	30.0	466.5	0.0	
PRCP	0.0	2.2	1.8	4.0	29.8	34.6	35.1	28.2	8.0	3.2	0.9	1.3	157.9	0.0	
DES	0.2	10.4	8.5	7.8	66.8	35.7	35.8	34.8	13.7	6.9	2.7	6.3	102.0	0.0	
CV	4.7	4.7	4.7	1.8	2.2	1.0	1.0	1.2	1.7	2.2	2.1	4.8	0.6	0.0	

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORRIJOS

PRECIPITACIONES (MM)

ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)
 EST 67 ALTAR ALTO MINEPAL FROP OMC TIPC PV
 LAT 3044 LON 7111 ALT 280 (MTS)

ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	CTT	NOV	DIC	TOT
1946	0.0	0.0	0.0	11.5	31.8	50.0	8.5	19.1	0.0	0.0	0.0	0.0	161.3
1947	0.0	0.0	0.0	0.0	0.0	16.0	68.0	14.0	0.0	8.0	0.0	0.0	106.0
1948	0.0	0.0	0.0	22.0	28.0	20.0	84.0	5.0	0.0	0.0	0.0	0.0	159.5
1949	0.0	0.0	0.0	0.0	60.0	34.0	76.0	50.0	0.0	0.0	0.0	0.0	220.0
1950	0.0	0.0	0.0	28.0	105.0	0.0	0.0	0.0	12.0	0.0	0.0	0.0	209.0
1951	0.0	0.0	0.0	1.0	25.0	50.7	25.0	0.0	5.0	0.0	0.0	0.0	106.7
1952	0.0	0.0	0.0	0.0	33.0	105.0	44.0	6.0	2.0	3.0	0.0	0.0	193.5
1953	0.0	0.0	0.0	42.0	14.0	3.0	13.0	50.0	14.0	0.0	0.0	0.0	136.0
1954	0.0	0.0	0.0	26.0	30.0	61.0	30.0	30.0	0.0	0.0	0.0	0.0	177.0
1955	0.0	0.0	0.0	3.0	24.0	0.0	6.0	30.0	0.0	10.0	0.0	0.5	73.5
1956	0.0	0.0	36.0	0.0	0.1	1.0	36.0	37.0	20.0	0.0	0.5	0.0	130.6
1957	0.0	0.0	0.0	0.0	314.0	7.0	61.0	0.0	11.0	0.5	0.0	20.0	414.0
1958	0.0	0.0	2.0	0.0	3.0	50.0	40.0	30.0	6.0	10.5	0.0	0.0	141.5
1959	0.0	0.0	0.0	10.0	0.5	75.0	5.0	44.0	0.0	0.0	0.0	0.0	124.5
1960	0.0	0.0	0.0	0.0	5.0	35.0	2.0	1.5	0.0	0.7	0.0	0.0	44.2
1961	0.0	0.0	0.0	0.0	0.0	115.5	20.0	91.0	0.0	13.0	0.0	0.0	239.5
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	0.5	0.0	0.0	0.0	21.0	42.0	54.0	32.0	84.0	0.0	0.0	0.0	233.5
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	0.5	27.0	0.0	155.0	103.5	0.0	0.0	1.0	0.0	287.0
1966	0.0	0.0	0.0	4.0	0.0	102.0	38.0	0.0	0.0	0.0	0.5	0.0	144.5
1968	0.0	0.0	0.0	0.0	0.0	31.0	0.0	2.0	0.0	0.0	0.0	0.0	33.0
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	33.0
MAX	0.5	0.0	36.0	42.0	314.0	115.5	155.0	103.5	84.0	13.0	1.0	20.0	414.0
PRCM	0.0	0.0	1.9	7.4	36.3	41.9	38.4	27.3	7.7	2.3	0.1	1.0	167.2
DESV	0.1	0.0	8.0	12.2	70.4	38.4	38.0	29.7	18.9	4.3	0.3	4.5	87.1
CV	4.5	-1.0	4.2	1.7	1.9	0.5	1.0	1.1	2.5	1.9	2.6	4.4	0.5

361.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCENDIENTES

PRECIPITACIONES (MM)

 ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)
 EST 68 EL TOME
 LAT 3047 LON 7058 ALT 365 (MTS)

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

 1966 -1.0 -1.0 -1.0 0.0 0.0 121.0 65.0 15.0 0.0 0.0 0.0 0.0 -1.0
 1967 0.0 0.0 0.0 0.0 1.0 17.5 36.0 4.0 32.0 4.0 0.0 0.0 94.5
 1968 0.0 0.0 0.0 0.0 0.0 0.0 37.0 0.0 1.0 -1.0 0.0 0.0 0.0 -1.0

PRECIPITACIONES (MM)

 ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)
 EST 69 RAPELCILLO
 LAT 3049 LON 7038 ALT 1160 (MTS)

 ANC 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 2.5 -1.0 -1.0 -1.0 -1.0

```

PRECIPITACIONES (MM)
*****
ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2)
EST 70 PEDREGAL
LAT 3052 LON 7042
*****
ANO 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 24.0 4.5 52.0 0.0 0.0 0.0 -1.0
1968 0.0 0.0 0.0 0.0 0.0 0.0 37.0 0.0 0.0 19.0 0.0 0.0 -1.0
*****

```

PRECIPITACIONES (MM)

ZONA 3													
HUAYA 305 LIMARI SUP 11927 (KM2)													
EST 71 TULAHUEN PROP DGA TIPO													
LAT 3057 LON 7040 ALT 1480 (MTS)													
ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT

1949	-1.0	-1.0	-1.0	-1.0	32.0	32.0	101.0	78.5	0.0	0.0	0.0	0.0	-1.0
1950	0.0	0.0	0.0	46.0	150.0	0.0	1.5	2.0	150.0	0.0	0.0	0.0	349.5
1951	11.0	0.0	0.0	34.0	25.0	25.0	66.0	11.0	11.0	0.0	0.0	0.0	183.0
1952	0.0	40.0	0.0	0.0	57.0	95.0	52.0	9.0	25.0	17.0	0.0	0.0	335.0
1953	0.0	0.0	0.0	15.0	35.5	13.0	28.5	210.5	29.0	0.0	0.0	0.0	331.5
1954	0.0	0.0	0.0	52.5	51.0	50.5	25.0	42.0	0.0	0.0	0.0	0.0	221.0
1955	0.0	0.0	0.0	0.0	42.0	0.0	7.0	2.0	0.0	18.0	0.0	0.0	69.0
1956	0.0	0.0	0.0	0.0	6.0	0.0	63.0	46.0	16.0	0.0	0.0	0.0	131.0
1957	0.0	0.0	0.0	0.0	264.0	29.0	82.0	2.0	18.0	3.0	0.0	46.0	444.0
1958	0.0	0.0	0.0	0.0	15.0	61.0	50.0	25.5	14.5	13.0	0.0	0.0	179.0
1959	-1.0	0.0	-1.0	28.0	4.5	110.0	16.0	64.0	0.0	0.0	0.0	0.0	-1.0
1960	0.0	0.0	0.0	0.0	7.0	77.0	12.0	3.0	0.0	8.0	0.0	0.0	107.0
1961	0.0	0.0	1.5	0.0	3.0	139.5	42.0	164.0	0.0	31.0	0.0	0.0	381.0
1962	0.0	0.0	0.0	0.0	0.0	87.0	1.0	10.0	0.0	33.0	0.0	0.0	131.0
1963	0.2	0.0	0.0	0.0	33.0	60.0	64.0	50.0	0.0	3.0	12.0	0.0	222.2
1964	0.0	0.0	0.0	0.0	0.0	48.0	23.0	64.0	0.0	0.0	0.0	0.0	135.0
1965	0.0	0.0	0.0	11.0	21.0	7.0	192.0	208.0	7.0	0.0	14.0	0.0	470.0
1966	0.0	0.0	0.0	6.0	0.0	154.0	99.5	48.0	0.0	0.0	5.0	0.0	312.5
1967	0.0	0.0	0.0	0.0	0.0	34.0	28.0	8.5	-1.0	-1.0	0.0	0.0	-1.0
1968	0.0	0.0	0.0	0.0	0.0	-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	1.0	2.0	0.0	0.0	0.0	0.0	69.0
MAX	11.0	40.0	1.5	52.5	264.0	154.0	192.0	210.5	150.0	33.0	14.0	46.0	470.0
PRCM	0.6	2.1	0.1	10.1	39.8	53.8	50.2	55.2	15.0	7.0	1.6	2.4	250.1
DESV	2.6	5.2	0.4	17.1	64.7	46.5	46.2	67.0	35.0	10.9	4.2	10.6	125.6
CV	4.2	4.4	4.2	1.7	1.6	0.9	0.9	1.2	2.3	1.6	2.6	4.4	0.5

365.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 3 HOYA 305 LIMARI SUP 11927 (KM2) 366.
 EST 72 MANQUEHUA
 LAT 3102 LON 7110 ALT 2000 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	1.0	0.0	0.0	0.0	27.0	52.0	60.0	44.0	119.0	0.0	0.0	0.0	303.0
1964	0.0	0.0	0.0	0.0	0.0	31.0	14.0	66.0	0.0	0.0	0.0	0.0	111.0
1965	0.0	0.0	0.0	4.0	45.0	2.0	190.0	237.0	0.0	0.0	0.0	0.0	478.0
1966	0.0	0.0	0.0	9.7	0.5	124.0	72.0	6.3	0.0	0.0	0.0	0.0	212.5
1967	0.0	0.0	0.0	0.0	0.5	25.0	82.0	2.8	43.0	3.0	0.0	0.0	156.3
1968	0.0	0.0	0.0	0.0	0.0	46.0	0.0	11.0	14.0	0.0	0.0	0.0	71.0
MIN	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.8	0.0	0.0	0.0	0.0	71.0
MAX	1.0	0.0	0.0	9.7	45.0	124.0	190.0	237.0	119.0	3.0	0.0	0.0	478.0
PROM	0.2	0.0	0.0	2.3	12.2	46.7	69.7	61.2	29.3	0.5	0.0	0.0	222.0
DESV	0.4	0.0	0.0	4.0	19.3	41.8	67.4	89.6	47.0	1.2	0.0	0.0	149.4
CV	2.4	-1.0	-1.0	1.7	1.6	0.9	1.0	1.5	1.6	2.4	-1.0	-1.0	0.7

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 3

HOYA 305 LIMARI
 EST 73 TASCADERO
 LAT 3110 LON 7035

SUP 11927 (KM2)

367.

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	-1.0	-1.0	0.0	-1.0
1967	0.0	0.0	0.0	0.0	0.0	44.0	27.0	7.0	30.0	0.0	0.0	0.0	108.0
1968	0.0	0.0	0.0	0.0	0.0	44.5	0.0	0.0	15.5	0.0	-1.0	-1.0	-1.0
