

PLUVIOMETRIA DE CHILE

ANEXO 1

HOYAS HIDROGRÁFICAS N° 314 - 317
Ríos Toltén (314), Bueno (315) y Petrohué (316)

OCTUBRE 1971

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DEPARTAMENTO DE RECURSOS HIDRAULICOS
CORFO

ESTADÍSTICAS PLUVIOMÉTRICAS

Anexo 1.

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

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

Esta Publicación consta de un Tomo y dos Anexos.-

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

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

PRECIPITACIONES (MM)

199

ZONA 7 HOYA 314 TOLTEN EST 3 FREIRE LAT 3859 LON 7238 ALT 103 (MTS) A J

SUM 23 8660 (KM2) S

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1939	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	233.0	209.0	59.0	195.0	124.0	19.0	-18.0
1940	57.0	101.0	58.0	247.0	498.0	334.0	352.5	88.5	104.0	116.0	127.0	156.0	2374.8
1941	-1.0	97.0	37.0	230.0	167.0	121.0	389.0	429.0	54.0	171.0	111.0	11.0	-10.0
1948	-1.0	-1.0	-1.0	-1.0	215.0	-1.0	437.0	185.0	-1.0	179.0	141.0	102.0	-11.0
1949	-1.0	2.0	196.0	146.0	598.0	469.0	179.0	99.0	54.0	177.0	100.0	116.0	-11.0
1950	2.0	34.0	114.0	244.0	417.0	-1.0	165.0	377.0	164.0	102.0	152.0	94.0	-11.0
1951	4.0	37.0	37.0	88.0	612.0	-1.0	3.0	126.0	129.0	141.0	111.0	11.0	-11.0
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
1953	161.0	20.0	34.0	26.0	-1.0	-1.0	-1.0	293.0	272.0	102.0	111.0	11.0	-11.0
1954	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1955	30.0	77.0	18.0	111.0	100.0	241.0	104.0	149.0	29.0	100.0	111.0	11.0	-11.0
1956	111.0	37.0	84.0	114.0	179.0	140.0	206.0	101.0	71.0	100.0	111.0	11.0	-11.0
1957	22.0	-1.0	-1.0	20.0	227.0	137.0	262.0	307.0	76.0	100.0	111.0	11.0	-11.0
1958	24.0	15.0	5.0	129.0	324.0	269.0	233.0	156.0	154.0	100.0	111.0	11.0	-11.0
1959	94.0	7.0	67.0	250.0	270.0	86.0	233.0	155.0	194.0	100.0	111.0	11.0	-11.0
1960	79.0	4.0	82.0	113.0	158.0	345.0	282.0	146.0	72.0	100.0	111.0	11.0	-11.0
1961	179.0	21.0	37.0	56.0	268.0	212.0	345.0	191.0	232.0	100.0	111.0	11.0	-11.0
1962	47.0	-1.0	55.0	55.0	142.0	240.0	90.0	302.0	89.0	100.0	111.0	11.0	-11.0
1963	17.0	34.0	107.0	108.0	134.0	250.0	247.0	279.0	172.0	100.0	111.0	11.0	-11.0
1964	55.0	46.5	46.0	53.0	223.0	188.5	114.5	277.5	93.5	100.0	111.0	11.0	-11.0
1965	38.5	95.0	8.0	142.0	193.0	249.0	259.0	277.5	79.5	123.0	193.0	77.5	1735.0
1966	5.5	15.5	51.5	157.5	112.5	280.5	212.0	179.0	76.5	110.0	148.5	157.0	1406.0
1967	112.4	56.5	44.5	66.5	344.5	125.0	296.5	238.5	175.5	110.0	148.5	157.0	1406.0
1968	31.0	52.5	59.0	94.0	99.0	110.0	120.5	168.0	214.0	77.0	59.0	160.5	1244.5
1969	5.0	59.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	2.0	2.0	5.0	20.0	99.0	86.0	3.0	88.5	29.0	15.0	15.0	2.0	1006.0
MAX	179.0	101.0	196.0	250.0	612.0	469.0	437.0	429.0	272.0	195.0	193.0	160.5	2374.8
PROM	56.5	42.7	60.0	122.5	264.0	223.4	226.8	215.1	122.1	97.1	73.7	72.4	1561.4
DESV	53.0	31.6	44.1	72.4	157.0	100.7	106.2	92.1	67.7	48.9	48.6	55.2	332.8
CV	0.9	0.7	0.7	0.6	0.6	0.5	0.5	0.4	0.6	0.5	0.7	0.8	0.2

738.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 7 HOYA 314 TOLTEN SUP 8660 (KM2)
 EST 5 ALLIPEN CHIDUCO
 LAT 3901 LON 7257 ALT 220 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1929	79.0	35.0	41.0	85.0	165.0	277.0	168.0	390.0	199.0	72.0	58.0	196.0	1765.0
1930	0.0	28.0	25.0	233.0	198.0	552.0	504.0	223.0	99.0	205.0	151.0	185.0	2403.0
1931	72.0	2.0	59.0	204.5	130.0	297.5	355.4	320.8	85.8	195.2	94.8	31.8	1848.8
1932	40.0	40.3	133.0	389.7	79.0	550.6	499.0	296.0	182.0	210.0	64.0	83.0	2566.6
1933	117.0	46.0	134.0	179.0	215.0	413.0	239.0	299.0	106.0	153.0	129.0	155.0	2185.0
1934	40.0	75.0	120.0	50.0	293.0	632.0	281.0	112.0	131.0	124.0	35.0	50.0	1943.0
1935	77.0	58.0	111.0	89.0	401.0	500.0	197.0	305.0	224.0	121.0	206.0	124.0	2413.0
1936	68.0	26.0	133.0	243.0	369.0	363.0	335.0	282.0	187.0	89.0	30.0	209.0	2334.0
1937	5.0	179.0	82.0	75.0	346.0	347.0	407.0	440.0	87.0	26.0	164.0	66.0	2224.0
1938	75.0	6.0	211.0	90.0	209.0	302.0	460.0	132.0	134.0	156.0	123.0	28.5	1926.5
1939	108.0	117.0	9.0	60.0	510.0	333.0	245.0	372.0	133.0	265.0	47.0	25.0	2224.0
1940	75.0	141.0	94.0	308.0	570.0	479.0	505.0	87.0	168.0	130.0	101.0	198.0	2856.0
1941	0.0	70.0	35.0	205.0	284.0	275.0	462.0	442.0	135.0	124.0	315.0	94.0	2441.0
1942	16.0	52.0	115.4	128.4	263.0	178.0	312.0	342.0	210.0	84.0	50.0	28.0	1778.8
1943	1.0	19.9	137.0	73.0	290.0	100.0	221.0	140.0	259.0	85.0	91.0	2.0	1418.9
1944	29.0	15.0	38.0	72.0	281.2	642.8	300.3	503.0	177.1	264.5	119.5	3.0	2445.4
1945	1.0	139.5	150.7	111.6	556.8	236.1	474.2	397.2	230.0	94.4	198.0	50.6	2640.1
1946	87.1	125.3	81.4	87.1	281.6	244.7	442.4	178.1	250.2	105.9	202.3	62.7	2148.8
1947	85.7	26.4	70.2	81.1	440.6	532.3	190.3	238.3	208.8	72.1	86.7	63.1	2095.6
1948	94.0	10.2	51.6	188.2	202.3	306.3	448.4	190.3	406.0	70.0	21.1	101.3	2089.7
1949	3.0	139.3	207.5	80.0	595.7	537.9	129.6	123.8	22.5	21.5	60.3	115.8	2036.9
1950	0.4	31.0	99.7	231.1	484.7	487.2	180.3	400.8	182.4	102.3	139.9	111.6	2451.4
1951	173.0	56.2	51.4	19.8	725.3	503.0	382.3	165.3	233.1	140.4	131.1	59.5	2640.4
1952	9.1	52.4	235.7	34.9	299.9	231.9	218.4	245.1	123.1	107.6	55.9	4.4	1618.4
1953	152.1	31.8	52.3	53.2	644.7	250.5	395.3	499.8	436.4	64.1	39.0	70.6	2689.8
1954	18.6	51.0	4.3	243.2	348.6	367.8	544.5	378.3	158.2	132.6	54.0	152.9	2454.0
1955	61.6	99.7	47.1	173.3	176.7	431.6	132.0	218.2	119.0	22.2	14.8	198.4	1694.6
1956	237.1	39.4	168.5	206.9	235.0	190.5	316.2	158.1	157.3	121.0	67.1	14.9	1912.0
1957	53.2	0.0	39.1	61.0	341.0	243.6	388.7	453.7	142.3	119.5	85.9	114.6	2042.6
1958	62.0	39.7	18.0	225.3	472.8	382.2	349.5	241.7	190.0	25.1	168.5	15.1	2189.9
1959	136.4	15.4	95.1	412.0	310.8	138.0	399.9	204.1	258.8	259.9	28.2	6.0	2264.6
1960	103.7	7.6	78.2	101.3	273.5	489.1	353.3	185.0	97.8	200.5	40.2	45.0	1975.2
1961	196.7	22.9	55.8	65.7	343.3	335.1	513.2	277.8	314.8	91.9	45.2	20.0	2282.4
1962	69.5	0.0	76.3	137.5	97.6	333.2	103.1	450.3	124.2	51.3	154.1	23.5	1620.5
1963	33.8	76.5	153.1	174.4	211.2	387.5	348.4	416.7	240.7	214.8	154.9	60.9	2472.9
1964	94.0	79.0	67.0	63.0	302.0	268.0	181.0	343.0	194.0	129.0	78.0	160.0	1958.0
1965	77.0	105.0	20.0	183.0	221.0	366.0	395.0	483.0	113.0	147.0	235.0	109.0	2454.0
1966	9.1	12.0	101.0	222.0	229.0	425.0	354.0	302.0	88.0	108.0	82.0	223.0	2153.0
1967	105.0	72.0	83.0	43.0	498.0	194.0	388.0	396.0	194.0	231.0	81.0	55.0	2340.0
1968	1.2	105.0	107.0	104.0	169.0	189.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	4.3	19.8	79.0	100.0	103.1	87.0	22.5	21.5	14.8	2.0	1418.9
MAX	237.1	179.0	235.7	412.0	725.3	642.8	544.5	503.0	436.4	265.0	315.0	223.0	2856.0
PROM	66.7	56.2	89.8	144.7	326.6	357.8	336.4	298.3	179.5	126.6	102.6	85.0	2179.4
DESV	57.5	45.9	56.1	94.2	153.5	136.8	121.7	119.6	82.9	66.9	67.3	66.3	330.0
CV	0.9	0.8	0.6	0.7	0.5	0.4	0.4	0.4	0.5	0.5	0.7	0.8	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 7 HOYA 314 TOLTEN SUP 8660 (KM2)

EST 6 CURACAO EN LA BALSA

LAT 3903 LON 7210 ALT 250 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1946	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	119.4	236.9	54.5	-1.0
1947	127.2	29.0	89.2	89.3	460.2	524.7	220.2	243.9	188.3	106.5	75.5	95.8	2249.8
1948	84.9	23.3	56.4	186.4	195.6	319.6	462.0	225.9	410.7	93.0	20.2	129.7	2207.7
1949	19.4	164.9	215.7	125.5	692.3	558.8	158.2	101.8	40.9	17.7	66.4	161.2	2322.8
1950	3.0	44.2	122.0	252.0	537.3	536.4	237.5	491.4	209.4	141.8	160.7	129.7	2865.4
1951	168.7	56.1	62.2	9.7	742.1	510.0	413.0	145.7	250.5	96.4	169.9	74.1	2698.4
1952	9.5	64.9	289.5	52.4	279.3	201.3	233.5	270.3	135.9	103.3	53.7	8.3	1701.9
1953	176.3	37.7	64.8	62.4	590.7	311.8	479.3	448.6	361.8	53.2	41.5	47.8	2675.9
1954	17.7	74.4	6.2	189.6	373.0	335.0	452.7	326.0	149.4	94.3	42.1	186.1	2246.5
1955	42.1	83.1	49.8	141.6	148.4	375.5	109.1	227.0	71.4	18.0	37.5	184.2	1487.7
1956	217.7	26.5	206.3	223.8	239.6	178.7	250.1	118.3	137.8	111.7	87.9	18.7	1816.4
1957	55.2	0.0	23.1	53.9	276.4	274.2	335.0	447.2	115.5	110.6	118.2	138.4	1947.7
1958	84.3	42.4	12.8	221.2	508.7	407.0	384.6	272.6	171.5	17.8	299.5	10.6	2433.7
1959	143.9	30.9	123.4	445.7	415.3	159.2	426.6	314.9	333.2	328.1	60.7	7.6	2789.5
1960	126.4	3.4	91.6	141.5	343.1	617.6	421.1	269.5	115.2	251.9	80.2	81.5	2543.0
1961	279.5	34.0	89.4	146.1	392.0	355.7	668.1	334.8	435.2	128.9	62.8	32.0	2958.5
1962	120.5	1.5	94.5	154.4	146.1	159.6	113.9	519.6	103.4	50.5	223.3	24.8	1915.7
1963	42.8	53.2	152.2	252.1	198.5	385.6	355.3	464.7	287.8	232.4	204.3	74.3	2703.2
1964	126.9	112.1	82.6	91.0	409.2	320.3	186.7	376.6	259.4	233.4	92.2	66.2	2356.6
1965	87.2	196.4	41.1	246.4	362.1	442.6	595.8	521.8	129.3	201.0	197.4	143.1	3264.2
1966	9.1	54.0	134.6	251.4	267.3	513.0	376.5	381.8	113.2	179.5	88.6	348.6	2714.6
1967	134.2	92.0	79.6	52.0	417.5	174.0	371.5	340.0	193.0	214.0	81.5	64.0	2213.3
1968	7.0	121.0	125.0	127.6	198.5	195.5	183.7	203.0	320.5	124.5	84.5	239.6	1930.4
MIN	3.0	0.0	6.2	9.7	146.1	159.2	109.1	101.8	40.9	17.7	20.2	7.6	1487.7
MAX	279.5	196.4	289.5	445.7	742.1	617.6	668.1	521.8	435.2	328.1	299.5	348.6	3264.2
PROM	94.7	61.1	100.5	159.8	372.4	357.1	337.9	320.2	206.1	131.6	112.4	100.9	2365.6
DESV	75.2	50.8	69.0	98.4	167.1	143.7	150.2	126.2	111.4	81.4	75.3	84.0	448.5
CV	0.8	0.8	0.7	0.6	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.8	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 7 HOYA 314 TOLTEN SUP 8660 (KM2)
 EST 7 COLICO
 LAT 3905 LON 7206 ALT 93 (MTS)

ANO	ENF	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1927	-1.0	78.0	139.0	253.0	458.0	349.0	494.0	602.0	596.0	212.0	121.0	105.0	-1.0
1928	155.0	70.0	133.0	384.0	155.0	704.0	525.0	170.0	156.0	72.0	274.0	194.0	2992.0
1930	12.0	69.0	89.0	327.0	319.0	924.0	557.0	223.0	180.0	291.0	240.0	278.0	3509.0
1931	87.0	10.0	67.0	241.0	169.0	435.0	411.0	516.0	161.0	365.0	165.0	-1.0	-1.0
1965	143.0	273.0	34.0	175.0	184.0	409.0	342.0	384.0	141.0	136.0	268.0	281.0	2770.0
1966	230.0	52.0	141.0	197.0	224.0	379.0	179.0	194.0	125.0	142.0	164.0	-1.0	-1.0
1967	112.0	49.0	94.0	35.0	275.0	210.0	364.0	343.0	141.0	239.0	216.0	23.0	2104.0
1968	2.0	66.0	93.1	48.0	220.0	143.6	222.5	390.1	342.0	183.4	96.2	231.8	2038.7
MIN	2.0	10.0	34.0	35.0	155.0	143.6	179.0	170.0	125.0	72.0	96.2	23.0	2038.7
MAX	230.0	273.0	141.0	384.0	458.0	924.0	557.0	602.0	596.0	365.0	274.0	281.0	3509.0
PROM	105.9	83.4	98.8	207.5	250.5	444.2	386.8	352.8	230.3	205.0	193.0	185.5	2682.7
DESV	80.8	79.5	37.7	122.5	100.1	255.7	137.8	154.3	163.1	93.4	66.7	102.7	619.6
CV	0.8	1.0	0.4	0.6	0.4	0.6	0.4	0.4	0.7	0.5	0.3	0.6	0.2

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 7 HOYA 314 TOLTEN SUP 8660 (KM2)
 EST 8 GORBEA ARAUCARIA
 LAT 3906 LON 7240 ALT 93 (MTS)

AND	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1917	-1.0	-1.0	-1.0	-1.0	83.6	426.0	68.7	28.3	-1.0	-1.0	-1.0	-1.0	-1.0
1918	17.7	0.0	199.1	345.3	171.6	119.5	542.1	-1.0	463.3	143.8	405.0	6.0	-1.0
1919	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1920	0.7	0.0	312.0	121.0	573.5	202.7	179.4	312.6	196.5	120.4	228.1	56.5	2303.4
1921	110.5	89.7	60.0	190.5	429.4	362.9	63.0	350.7	42.0	54.1	4.0	275.2	2032.0
1922	92.0	15.0	76.7	-1.0	241.8	340.6	702.7	193.5	160.7	-1.0	20.6	0.0	-1.0
1923	17.0	12.7	47.3	10.2	24.6	230.2	-1.0	395.0	55.5	107.1	117.1	62.5	-1.0
1924	0.0	28.3	123.6	151.4	259.4	598.5	305.4	71.0	72.7	28.0	25.0	42.8	1706.1
1925	12.2	44.7	17.0	255.5	72.0	295.0	165.5	348.0	288.5	25.0	124.5	-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	44.0	-1.0
1935	68.0	58.0	174.0	73.0	354.0	472.0	163.0	233.0	123.0	79.0	199.0	119.0	2115.0
1936	44.0	31.0	117.0	230.0	412.0	389.0	367.0	322.0	188.0	68.0	98.0	171.0	2437.0
1937	12.0	155.0	69.0	89.0	355.0	420.0	401.0	411.0	65.0	20.0	103.0	29.0	2129.0
1938	49.0	4.0	146.0	91.0	245.0	382.0	379.0	112.0	171.0	158.0	135.0	3.0	1875.0
1939	127.0	80.0	20.0	68.0	575.0	354.0	257.0	279.0	101.0	270.0	38.0	24.0	2193.0
1940	62.0	118.0	61.0	271.0	594.0	498.0	493.0	125.0	109.0	124.0	129.0	109.0	2693.0
1941	0.3	52.0	44.0	179.0	169.0	250.0	394.0	517.0	65.0	112.0	279.0	86.0	2147.3
1942	13.0	35.0	135.0	101.0	225.0	196.0	273.0	255.0	217.0	77.0	25.0	22.0	1574.0
1943	0.0	29.0	171.0	35.0	243.0	143.0	259.0	125.0	202.0	73.0	49.0	1.0	1330.0
1944	33.0	9.0	34.0	57.0	256.6	718.0	183.1	414.8	144.1	285.1	104.1	3.6	2235.4
1945	13.8	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	17.0	10.2	24.6	119.5	63.0	28.3	42.0	20.0	4.0	0.0	1330.0
MAX	127.0	155.0	312.0	345.3	594.0	718.0	702.7	517.0	463.3	285.1	405.0	275.2	2693.0
PROM	37.3	44.8	106.3	141.7	293.6	355.4	305.6	264.3	156.7	109.0	122.6	62.0	2059.2
DESV	39.7	43.8	77.9	95.3	171.2	156.4	170.7	138.4	104.2	77.6	105.7	73.2	364.6
CV	1.1	1.0	0.7	0.7	0.6	0.6	0.6	0.5	0.7	0.7	0.9	1.2	0.2

742.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONFIRMADOS

PRECIPITACIONES (MM)

ZONA 7 HOYA 314 TOLTEN SUP 8660 (KM2)

EST 9 QUITRATUE

LAT 3910 LON 7239

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1961	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	50.7	13.0	-1.0
1962	55.5	0.0	80.0	220.5	72.0	317.0	121.5	487.5	87.0	62.5	169.0	24.0	1696.5
1963	21.0	36.0	158.5	215.0	177.0	297.5	330.5	467.5	249.5	189.5	100.0	41.0	2283.0
1964	74.5	99.0	80.0	64.5	314.5	330.5	171.5	370.5	158.0	108.5	72.5	181.0	2025.0
1965	44.5	132.0	15.0	261.0	270.5	375.0	398.0	408.5	139.0	209.5	263.0	90.5	2606.5
1966	6.0	19.0	81.0	177.0	325.0	462.0	331.0	374.0	55.0	113.0	59.0	329.0	2331.0
1967	121.0	72.2	60.0	66.0	632.0	267.0	421.0	486.0	231.0	263.0	77.0	37.0	2733.2
1968	5.0	103.8	63.0	88.0	88.0	204.0	231.0	219.1	249.2	106.1	72.0	196.0	1625.2
MIN	5.0	0.0	15.0	64.5	72.0	204.0	121.5	219.1	55.0	62.5	50.7	13.0	1625.2
MAX	121.0	132.0	158.5	261.0	632.0	462.0	421.0	487.5	249.5	263.0	263.0	329.0	2733.2
PROM	46.8	66.0	76.8	156.0	268.4	321.9	286.4	401.9	167.0	150.3	107.9	113.9	2185.8
DESV	41.7	49.0	42.8	81.9	190.2	81.7	114.0	94.8	79.0	71.3	72.7	111.8	425.6
CV	0.9	0.7	0.6	0.5	0.7	0.3	0.4	0.2	0.5	0.5	0.7	1.0	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 7 HOYA 314 TOLTEN SUP 8660 (KM2)
 EST 10 FLOR DE LAGO
 LAT 3912 LON 7207 ALT 300 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1925	89.1	85.2	84.3	268.2	161.2	363.5	249.9	371.0	433.2	53.9	164.1	120.3	2443.9
1926	66.1	53.7	245.1	170.2	236.0	502.6	274.1	296.9	176.6	138.5	175.7	109.3	2444.0
1927	40.2	45.4	84.0	157.5	375.7	195.6	434.1	336.9	459.4	108.3	63.0	59.8	2360.7
1928	58.7	59.2	107.1	250.3	259.4	362.5	364.1	127.3	94.0	30.3	162.5	128.3	2003.7
1929	106.0	23.6	44.0	98.9	174.3	356.4	237.1	453.7	232.4	94.2	67.5	202.5	2091.4
1930	0.0	36.1	34.5	222.9	229.2	621.7	541.7	199.4	122.5	183.7	168.0	233.9	2593.6
1931	48.7	1.6	31.4	186.0	131.9	331.3	364.2	293.6	113.0	201.0	83.2	36.1	1822.0
1932	45.5	26.7	119.3	412.9	106.8	620.2	529.1	318.7	147.6	204.1	50.1	80.1	2669.1
1933	133.5	45.5	135.0	136.6	227.7	431.8	268.5	332.8	111.5	194.7	144.4	152.3	2314.3
1934	18.8	91.1	119.3	80.1	301.4	770.9	233.9	147.6	124.0	120.9	22.0	64.4	2094.4
1935	78.5	84.0	138.2	103.6	420.8	615.4	241.8	288.9	290.5	141.3	207.2	175.8	2786.8
1936	150.7	34.5	86.4	321.9	464.7	364.2	339.1	273.2	254.3	83.2	109.9	130.3	2612.4
1937	0.0	188.4	70.7	81.6	420.8	378.4	483.6	469.4	105.2	26.7	124.0	44.0	2392.8
1938	87.9	0.0	166.4	72.2	229.2	401.9	400.4	139.7	163.3	139.7	152.3	6.3	1959.3
1939	56.5	155.4	9.4	34.5	538.5	386.2	243.4	445.9	144.4	255.9	26.7	14.1	2310.9
1940	40.8	72.2	42.4	273.2	549.5	403.5	428.6	97.3	116.2	105.2	97.3	177.4	2403.6
1941	15.7	29.8	36.1	78.5	405.1	304.6	558.9	504.0	141.3	125.6	328.1	125.6	2653.3
1942	18.8	75.4	98.9	130.3	310.9	188.4	325.0	362.7	273.2	105.2	65.9	29.8	1984.5
1943	4.7	53.4	141.3	73.8	328.1	365.8	266.9	97.3	232.4	55.0	183.7	0.0	1802.4
1944	31.0	13.0	66.0	103.0	393.0	873.9	375.1	631.5	233.1	429.8	155.0	7.5	3311.9
1945	5.0	254.0	147.1	218.0	738.0	363.7	666.0	552.1	234.2	142.8	248.9	92.0	3661.8
1946	110.2	153.0	75.8	127.0	342.7	307.0	546.3	235.1	333.4	140.9	226.2	54.9	2652.5
1947	130.6	32.9	93.1	92.8	427.0	535.7	231.0	264.7	263.0	106.4	82.2	116.2	2375.6
1948	101.1	13.9	82.7	162.4	155.1	327.2	613.7	222.9	552.1	107.9	37.9	134.1	2511.0
1949	20.7	147.0	181.0	131.0	571.7	461.7	230.2	129.4	57.9	18.3	65.1	165.0	2179.0
1950	3.4	47.0	128.5	282.1	600.7	538.3	237.0	566.9	203.0	140.3	164.5	158.0	3069.7
1951	198.2	70.6	79.4	21.4	936.7	619.2	508.4	225.5	309.3	135.0	205.6	78.1	3387.4
1952	7.4	69.4	286.1	49.5	297.3	255.6	272.9	264.7	164.5	134.9	83.6	10.1	1896.0
1953	202.0	56.6	67.6	97.4	683.8	282.7	564.3	607.3	562.8	86.7	41.6	71.2	3324.0
1954	27.3	71.9	4.1	217.1	433.9	497.4	805.0	558.8	230.9	160.9	62.7	197.4	3267.4
1955	58.4	106.3	76.1	220.9	253.4	545.7	172.9	303.5	119.1	20.2	28.4	219.1	2125.0
1956	320.3	51.5	244.6	331.9	324.3	181.3	402.1	169.3	230.9	145.2	84.5	16.5	2502.5
1957	86.9	0.0	35.7	105.5	394.0	313.9	483.5	578.1	175.8	180.0	110.5	156.2	2620.1
1958	85.1	49.9	20.2	265.8	553.8	400.4	445.2	315.5	178.7	59.7	276.8	11.5	2662.6
1959	136.9	28.8	129.4	382.4	352.3	185.0	449.8	249.2	353.6	284.0	47.9	7.8	2607.1
1960	126.6	9.5	84.6	108.5	297.7	539.2	480.8	204.4	113.9	252.2	60.2	63.0	2340.6
1961	234.1	25.0	75.3	100.6	403.2	381.5	714.5	410.1	390.9	140.8	41.1	26.7	2943.8
1962	105.8	0.0	75.9	176.8	112.4	352.7	132.5	534.2	155.6	84.2	179.9	29.4	1939.4
1963	43.7	54.1	132.7	209.2	242.2	447.1	361.9	522.5	332.7	235.9	203.1	91.1	2876.2
1964	127.0	128.0	81.0	158.0	304.0	365.0	240.0	433.0	239.0	183.0	96.0	230.0	2584.0
1965	120.0	160.0	40.0	234.0	301.0	430.0	442.0	546.0	151.0	216.0	307.0	125.0	3072.0
1966	16.0	38.0	126.0	242.0	261.0	541.0	446.0	290.0	115.0	144.0	96.0	254.0	2569.0
1967	142.0	79.0	101.0	50.0	571.0	240.0	376.0	478.0	236.0	234.0	100.0	87.0	2694.0
1968	17.0	144.0	180.0	118.0	187.0	209.0	204.0	259.0	310.0	138.0	95.0	281.0	2142.0
MIN	0.0	0.0	4.1	21.4	106.8	181.3	132.5	97.3	57.9	18.3	22.0	0.0	1802.4
MAX	320.3	254.0	286.1	412.9	936.7	873.9	805.0	631.5	562.8	429.8	328.1	281.0	3661.8
PROM	79.9	67.4	100.2	167.2	363.8	412.7	390.6	343.4	226.8	142.9	124.9	103.9	2524.0
DESV	69.7	55.8	61.6	94.3	175.6	152.4	153.0	152.8	118.9	78.3	77.2	76.5	447.2
CV	0.9	0.8	0.6	0.6	0.5	0.4	0.4	0.4	0.5	0.5	0.6	0.7	0.2

744.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 7 HOYA 314 TOLTEN SUP 8660 (KM2)

EST 11 TOLTEN

LAT 3913 LON 7313 ALT 5 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TQT
1914	113.8	2.1	36.4	55.2	263.2	503.8	285.4	160.1	297.2	104.6	154.8	61.5	2038.1
1915	15.2	33.3	132.6	-1.0	519.0	323.7	394.6	207.6	-1.0	-1.0	-1.0	-1.0	-1.0
1916	-1.0	-1.0	129.6	147.6	265.3	98.5	267.9	277.3	177.0	48.7	179.3	178.6	-1.0
1917	116.3	117.0	21.3	71.4	137.2	266.8	193.8	142.9	205.9	108.9	47.9	69.8	1499.2
1918	60.1	11.5	193.0	361.3	318.7	341.2	266.2	181.1	204.8	89.3	205.4	20.9	2253.5
1919	37.9	40.0	77.3	213.4	670.9	318.3	266.8	173.9	183.7	74.9	161.8	58.2	2277.1
1920	11.1	9.0	225.8	170.8	512.3	220.0	152.7	199.4	174.3	88.8	172.6	101.3	2038.1
1921	133.8	96.5	66.8	355.8	477.7	289.8	94.6	286.4	86.4	52.3	12.8	209.1	2162.0
1922	69.8	30.8	96.2	67.7	209.1	303.5	715.5	227.6	81.3	82.4	39.4	22.5	1945.8
1923	16.5	36.0	214.8	64.4	137.7	170.2	222.8	379.2	189.7	102.6	94.9	55.2	1684.0
1924	7.3	78.0	93.4	190.7	149.6	311.9	228.8	98.5	63.0	60.2	25.7	49.8	1356.9
1925	35.4	62.6	56.0	254.8	118.3	289.7	170.8	246.2	359.4	31.9	146.9	83.3	1855.3
1926	107.4	60.2	244.3	166.2	181.7	466.9	183.1	231.7	98.5	109.8	131.4	94.6	2075.8
1927	39.3	41.4	74.2	105.9	168.4	151.2	376.9	261.5	320.0	114.8	41.3	56.2	1751.1
1928	54.4	24.4	149.7	248.4	123.1	329.7	317.7	99.4	57.4	37.0	136.5	108.2	1685.9
1929	89.0	35.0	41.0	81.0	169.0	308.0	117.0	333.0	182.0	103.0	54.0	98.0	1610.0
1930	12.0	19.0	85.0	192.0	185.0	363.0	356.0	178.0	90.0	165.0	140.0	185.0	1970.0
1931	65.0	9.0	44.0	152.0	146.0	223.0	330.0	254.0	57.0	187.0	62.0	24.0	1553.0
1932	64.0	41.0	79.0	423.0	90.0	344.0	375.0	195.0	149.0	156.0	40.0	48.0	2004.0
1933	121.0	43.0	127.0	179.0	183.0	263.0	189.0	265.0	50.0	121.0	126.0	95.0	1762.0
1934	23.0	48.0	92.0	22.0	151.0	510.0	239.0	103.3	108.3	94.3	20.5	47.5	1458.9
1935	39.0	49.0	102.0	39.0	305.0	414.0	204.0	284.0	200.1	87.0	82.0	99.0	1904.1
1936	47.0	45.0	104.0	258.0	366.0	324.0	259.0	225.0	112.0	54.0	22.0	135.5	1951.5
1937	0.0	81.0	57.0	42.0	231.0	322.0	306.0	254.0	54.0	37.0	95.0	20.0	1499.0
1938	51.0	6.0	132.0	76.0	174.0	296.0	359.0	96.0	104.0	143.0	53.0	42.0	1532.0
1939	115.0	138.0	73.0	77.0	428.0	277.0	113.0	247.0	108.0	199.0	76.0	36.0	1887.0
1940	52.0	135.0	48.0	225.0	426.0	354.0	351.0	81.0	182.0	184.0	21.0	127.0	2186.0
MIN	0.0	2.1	21.3	22.0	90.0	98.5	94.6	81.0	50.0	31.9	12.8	20.0	1356.9
MAX	133.8	138.0	244.3	423.0	670.9	510.0	715.5	379.2	359.4	199.0	205.4	209.1	2277.1
PROM	57.5	49.7	103.5	163.1	263.2	310.5	271.7	210.7	149.8	101.4	90.1	81.8	1837.6
DESV	40.0	37.8	59.3	107.9	151.8	94.5	123.6	75.7	83.7	47.8	58.5	51.8	265.9
CV	0.7	0.8	0.6	0.7	0.6	0.3	0.5	0.4	0.6	0.5	0.6	0.6	0.1

745.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 7 HOYA 314 TOLTEN SUP 8660 (KM2)

EST 12 PUCON

LAT 3916 LON 7158 ALT 230 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1927	-1.0	-1.0	-1.0	182.4	342.2	186.2	275.6	379.7	405.7	86.9	91.5	-1.0	-1.0
1928	-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
1929	69.0	54.0	63.0	-1.0	-1.0	251.0	247.0	381.0	-1.0	-1.0	-1.0	-1.0	-1.0
1930	2.0	56.0	27.0	163.0	244.0	256.0	461.0	196.0	88.0	210.0	145.0	29.0	2347.0
1931	100.0	17.0	79.0	216.0	120.0	278.0	285.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1932	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	208.0	190.0	233.0	44.0	84.0	-1.0
1933	99.0	62.0	159.0	165.0	131.0	397.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1939	-1.0	-1.0	-1.0	-1.0	-1.0	390.0	169.0	354.0	131.0	306.0	66.0	9.0	-1.0
1940	111.0	83.0	49.0	236.0	533.0	418.0	370.0	87.0	11.0	82.0	105.0	150.0	2334.0
1941	7.0	89.0	62.0	202.0	294.4	238.0	447.0	328.0	48.0	147.0	279.3	128.0	2269.7
1942	51.0	73.0	148.0	100.3	237.0	179.0	310.0	300.0	268.0	69.0	77.0	43.0	1855.3
1943	23.0	49.0	159.0	53.0	268.0	118.0	254.0	61.0	242.0	60.0	84.0	3.0	1374.0
1944	9.0	1.0	52.0	70.0	261.0	575.9	217.6	335.6	107.2	267.0	130.4	4.2	2031.5
1945	29.9	190.4	175.9	83.6	460.4	219.9	366.3	385.9	206.2	119.7	146.7	61.2	2446.1
1946	70.4	167.9	69.2	126.5	356.9	249.0	313.9	185.2	222.9	114.5	158.8	58.3	2093.5
1947	55.6	25.8	83.7	87.3	408.3	510.1	204.0	219.5	168.6	104.4	73.0	71.9	2012.2
1948	146.2	16.4	68.2	99.3	257.4	292.8	342.0	83.0	376.9	101.0	17.0	120.0	1920.2
1949	10.0	142.0	153.0	135.0	615.0	483.0	163.0	133.0	51.5	26.0	83.5	181.5	2176.5
1950	8.5	63.0	116.0	262.5	499.0	513.0	210.0	354.0	205.5	94.0	165.0	184.0	2673.5
1951	0.0	73.0	60.9	23.0	599.0	402.0	339.0	187.0	225.5	119.0	138.5	55.5	2222.4
1952	12.5	60.0	269.5	53.5	297.0	201.5	195.0	234.5	140.0	97.5	68.0	23.0	1652.0
1953	227.5	50.0	60.5	89.5	474.0	234.0	381.0	543.0	382.0	114.0	44.5	73.5	2673.5
1954	34.0	176.0	48.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1955	78.0	133.0	63.0	186.0	86.0	290.0	-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	250.9	351.4	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1958	47.0	63.0	18.0	223.3	399.7	230.9	293.7	162.3	112.2	44.6	226.5	10.3	1831.5
1959	101.3	39.2	75.0	258.6	68.0	27.6	173.8	74.0	158.0	153.3	46.8	4.4	1180.0
1960	5.6	-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	228.0	381.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1964	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	83.7	157.4	-1.0
1965	109.5	164.0	24.4	166.4	253.6	328.3	294.0	394.6	68.9	164.7	222.9	119.5	2310.8
1966	42.3	46.0	118.4	195.6	239.7	347.1	322.0	199.8	109.8	160.9	106.4	217.0	2105.0
1967	142.0	67.0	60.9	47.0	397.0	178.0	327.0	367.0	203.0	240.0	83.0	60.0	2171.9
1968	7.9	140.0	128.0	-1.0	130.0	190.0	142.0	204.0	252.0	140.0	-1.0	266.0	-1.0
MIN	0.0	1.0	18.0	23.0	68.0	27.6	142.0	61.0	11.0	26.0	17.0	3.0	1180.0
MAX	227.5	190.4	269.5	262.5	615.0	575.9	461.0	543.0	405.7	306.0	279.3	266.0	2673.5
PROM	57.1	80.8	91.9	142.7	318.9	291.8	290.2	254.3	182.2	135.6	111.9	88.1	2084.0
DESV	56.1	53.4	57.9	71.6	154.4	126.5	86.1	124.4	105.5	71.2	64.2	73.9	379.6
CV	1.0	0.7	0.6	0.5	0.5	0.4	0.3	0.5	0.6	0.5	0.6	0.8	0.2

746.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 7 HOYA 314 TOLTEN SUP 8660 (KM2)
EST 13 VILLARRICA RIEGO
LAT 3917 LON 7213

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	85.0	302.0	375.0	182.0	119.0	269.0	-1.0

747.

ESTACION DE OBSERVACIONES

PRECIPITACIONES. (MM)

ZONA 7 HOYA 314 TOLTEN SUP 8660 (KM2)
 EST 14 VILLARRICA D O S
 LAT 3917 LON 7213

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1949	-1.0	-1.0	-1.0	-1.0	652.0	539.7	175.9	95.5	42.0	22.7	62.2	133.9	-1.0
1950	2.1	47.6	111.0	271.4	488.4	582.4	213.5	464.0	193.3	115.9	135.0	131.6	2756.2
1951	165.8	40.9	84.3	36.8	675.1	450.1	406.4	175.8	232.0	161.2	150.2	75.9	2654.5
1952	2.4	54.3	257.0	53.5	354.9	196.9	234.7	270.6	122.4	106.1	50.1	12.0	1714.9
1953	170.6	41.5	67.7	69.4	554.9	235.6	361.6	408.9	532.0	37.0	26.0	65.0	2570.2
1954	42.0	52.0	8.0	209.5	318.7	309.9	524.8	375.8	180.5	110.3	43.3	216.6	2391.4
1955	54.7	89.6	58.3	186.5	141.7	415.7	188.0	229.0	101.0	20.0	20.0	177.0	1681.5
1956	295.0	22.0	170.0	111.0	155.0	207.0	395.0	129.0	162.0	109.0	81.0	7.0	1843.0
1961	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	24.4	-1.0
1962	59.9	-1.0	96.7	113.2	96.0	249.1	97.2	439.6	100.7	25.8	171.4	36.8	-1.0
1963	37.0	79.9	145.0	167.8	205.1	393.4	323.9	534.3	206.5	204.3	137.5	58.9	2493.6
1964	109.3	100.5	40.6	69.5	324.5	307.5	200.0	348.0	229.5	139.5	106.0	201.0	2175.9
1965	91.0	154.4	28.5	214.0	277.0	417.5	399.0	540.6	95.4	173.3	295.0	150.0	2835.7
1966	17.3	30.0	107.0	232.2	345.6	475.5	328.7	263.0	93.8	117.8	67.8	238.0	2316.7
1967	122.0	90.0	76.0	49.0	447.0	239.0	379.2	343.0	141.0	210.5	85.0	38.0	2219.7
1968	14.0	102.0	104.0	61.0	133.0	166.0	179.0	230.0	281.0	128.0	81.0	236.0	1715.0
MIN	2.1	22.0	8.0	36.8	96.0	166.0	97.2	95.5	42.0	20.0	20.0	7.0	1681.5
MAX	295.0	154.4	257.0	271.4	675.1	582.4	524.8	540.6	532.0	210.5	295.0	238.0	2835.7
PROM	84.5	69.6	96.7	131.8	344.6	345.7	293.8	323.1	180.9	112.1	100.8	112.6	2259.1
DESV	82.7	37.2	63.4	79.5	186.7	131.7	118.6	139.3	116.9	62.7	70.4	82.8	409.9
CV	1.0	0.5	0.7	0.6	0.5	0.4	0.4	0.4	0.6	0.6	0.7	0.7	0.2

748.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 7 HOYA 314 TOLTEN SUP 8660 (KM2)
 EST 15 RETEN LIFENCO
 LAT 3921 LON 7147

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1936	22.0	39.0	251.0	548.0	877.0	392.0	464.0	625.0	414.0	92.0	-1.0	317.0	-1.0
1937	35.0	313.0	190.0	181.0	758.0	697.0	713.0	689.0	143.0	92.0	234.0	70.0	4115.0
1938	280.0	26.0	424.0	273.0	615.0	568.0	859.0	372.0	448.0	369.0	265.0	95.0	4594.0
1939	232.0	35.0	180.0	98.0	1065.0	591.0	415.0	817.0	178.0	471.0	104.0	26.0	4212.0
1940	193.0	184.0	144.0	594.0	1084.0	688.0	764.0	235.0	284.0	125.0	234.0	256.0	4785.0
1941	0.0	86.0	98.0	357.0	501.0	471.0	870.0	734.0	229.0	248.0	479.0	311.0	4384.0
1942	-1.0	-1.0	-1.0	-1.0	238.0	-1.0	437.0	475.0	358.0	133.0	66.0	29.0	3046.3
1943	0.0	101.0	213.0	50.0	404.0	168.0	338.0	206.0	381.0	119.0	143.0	13.0	2136.0
1944	73.0	20.0	92.0	161.0	345.0	800.0	318.0	687.0	241.0	849.0	105.0	7.8	3698.8
1945	9.0	183.0	294.5	210.5	564.0	298.8	503.8	678.8	233.7	148.9	281.8	286.0	3692.8
1946	66.0	306.0	124.0	66.0	318.0	385.0	489.5	251.0	409.5	171.5	300.5	63.5	2950.5
1947	232.5	50.0	103.7	129.0	494.4	822.5	342.6	389.2	270.9	128.2	54.7	256.7	3274.4
1948	156.5	48.8	36.5	282.9	313.5	504.3	675.5	212.4	681.8	139.2	43.3	112.0	3207.0
1949	65.0	203.9	295.0	214.0	695.0	749.3	241.2	134.4	51.5	17.5	77.6	273.0	3017.4
1950	38.0	77.5	169.0	450.6	702.5	778.1	283.6	461.2	398.7	244.0	313.7	220.9	4137.8
1951	317.5	191.0	179.7	29.5	1501.0	624.6	633.8	284.4	374.9	124.5	257.7	175.8	4694.5
1952	29.2	90.5	367.9	85.2	429.3	214.3	273.6	352.0	222.4	118.8	101.5	2.0	2286.7
1953	337.5	67.2	44.7	128.5	844.2	439.4	660.7	562.5	643.9	139.0	92.0	54.5	4014.1
1954	-1.0	61.6	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	160.0	92.0	179.5	3918.4
1955	123.0	131.0	129.0	497.0	249.0	525.0	325.0	436.0	24.0	95.0	25.0	422.0	2981.0
1956	408.5	368.3	327.0	344.0	344.0	314.0	501.0	169.0	331.0	194.0	113.0	0.0	3413.8
1965	-1.0	-1.0	77.5	292.0	366.6	515.0	493.5	511.0	204.5	261.0	286.0	226.0	-1.0
1966	15.0	199.5	227.0	325.0	404.5	688.0	481.0	376.0	111.5	213.5	76.0	378.5	3495.5
1967	378.0	196.0	38.5	100.0	418.0	321.0	352.0	593.0	366.0	334.0	92.5	108.0	3297.0
1968	21.5	233.5	237.5	167.0	386.5	390.0	376.0	366.5	587.0	260.0	119.0	339.5	3484.0
MIN	0.0	20.0	36.5	29.5	238.0	168.0	241.2	134.4	24.0	17.5	25.0	0.0	2136.0
MAX	408.5	368.3	424.0	594.0	1501.0	822.5	870.0	817.0	681.8	849.0	479.0	422.0	4785.0
PROM	137.8	139.6	184.5	242.7	579.9	519.3	492.1	442.4	316.1	209.9	164.8	168.9	3601.6
DESV	136.0	100.6	106.8	162.9	312.2	191.2	184.6	196.4	169.4	166.4	114.2	132.0	712.1
CV	1.0	0.7	0.6	0.7	0.5	0.4	0.4	0.4	0.5	0.8	0.7	0.8	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

*: Valores anuales años 1942 y 1954 han sido estimados.

PRECIPITACIONES (MM)

ZONA 7

HOYA 314 TOLTEN
EST 16 FUNDO LA CASCADA
LAT 3920 LON 7158

SUP 8660 (KM2)

750.

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	247.0	25.0	-1.0
1959	127.0	19.0	95.0	391.0	307.0	191.0	435.0	286.0	264.0	266.0	58.0	17.0	2456.0
1960	84.5	16.0	77.0	137.0	291.0	441.0	354.0	236.0	127.0	219.0	61.0	75.0	2118.5
1961	171.0	19.0	80.0	93.0	362.0	308.0	524.0	333.0	338.0	128.0	55.0	38.0	2449.0
1962	92.0	0.0	103.0	84.0	113.0	307.0	76.0	418.0	91.0	59.0	203.0	44.0	1590.0
1963	40.0	42.0	175.0	140.5	217.0	354.0	331.0	416.0	128.0	208.0	183.0	68.0	2302.5
1964	106.0	99.5	76.0	67.0	274.0	314.0	219.0	292.0	215.0	117.0	122.0	193.0	2094.5
1965	90.0	239.0	24.0	161.0	315.0	326.0	320.0	422.0	97.0	173.0	197.0	104.0	2468.0
1966	23.0	64.0	96.0	188.0	347.0	396.0	327.0	269.0	128.0	147.0	73.0	246.0	2304.0
1967	128.5	103.0	84.0	17.0	436.0	223.0	348.0	399.1	236.0	215.0	100.0	81.0	2370.6
1968	11.0	106.0	122.0	126.0	172.0	237.0	203.0	192.0	245.0	107.0	97.0	220.0	1838.0
MIN	11.0	0.0	24.0	17.0	113.0	191.0	76.0	192.0	91.0	59.0	55.0	17.0	1590.0
MAX	171.0	239.0	175.0	391.0	436.0	441.0	524.0	422.0	338.0	266.0	247.0	246.0	2468.0
PROM	87.3	70.8	93.2	140.4	283.4	309.7	313.7	326.3	186.9	163.9	126.9	101.0	2199.1
DESV	50.4	71.2	38.3	101.0	94.9	77.3	124.7	83.8	83.8	63.3	68.6	81.2	292.6
CV	0.6	1.0	0.4	0.7	0.3	0.2	0.4	0.3	0.4	0.4	0.5	0.8	0.1

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 7 HOYA 314 TOLTEN SUP 8660 (KM2)
 EST 17 HACIENDA MARIA LUISA
 LAT 3921 LON 7207 ALT 250 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1920	0.0	0.0	101.0	110.0	356.0	200.0	120.0	201.0	162.0	134.0	175.0	62.0	1621.0
1921	36.0	71.0	53.0	174.0	282.0	230.0	84.0	264.0	33.0	46.0	9.0	160.0	1442.0
1922	38.3	25.5	97.0	49.9	160.0	326.3	567.7	209.0	91.8	22.0	4.6	4.6	1661.9
1923	15.5	44.2	93.8	22.0	68.0	165.5	188.4	236.6	59.0	138.5	22.0	0.0	1053.5
1924	30.0	53.5	25.5	31.5	200.0	137.0	200.0	132.0	128.0	39.0	51.2	24.1	1051.8
MIN	0.0	0.0	25.5	22.0	68.0	137.0	84.0	132.0	33.0	22.0	4.6	0.0	1051.8
MAX	38.3	71.0	101.0	174.0	356.0	326.3	567.7	264.0	162.0	138.5	175.0	160.0	1661.9
PROM	24.0	38.8	74.1	77.5	213.2	211.8	232.0	208.5	94.8	75.9	52.4	50.1	1366.0
DESV	16.1	27.2	33.3	63.9	110.9	73.0	193.7	49.4	51.8	55.8	70.9	66.1	297.8
CV	0.7	0.7	0.5	0.8	0.5	0.3	0.8	0.2	0.5	0.7	1.4	1.3	0.2

751.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 8

HOYA 315 BUENO
EST 1 FUNDO COTRILLA
LAT 4007 LON 7230

SUP 15124 (KM2)

752.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1956	147.3	64.4	200.0	122.9	150.7	134.0	207.0	143.0	120.2	56.6	39.0	17.2	1402.3
1957	8.4	2.9	48.0	44.9	388.8	99.0	279.4	262.2	103.0	77.7	45.5	69.3	1429.1
1958	71.4	27.3	30.2	144.4	331.3	271.3	333.6	169.0	128.9	22.2	119.6	22.7	1671.9
1959	105.0	42.7	104.9	341.0	186.7	165.8	275.7	94.0	157.1	175.3	31.9	13.0	1693.1
1960	72.8	18.0	55.9	67.5	139.6	366.9	288.5	117.5	112.9	150.0	43.0	42.4	1475.0
1968	16.6	84.6	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	8.4	2.9	30.2	44.9	139.6	99.0	207.0	94.0	103.0	22.2	31.9	13.0	1402.3
MAX	147.3	84.6	200.0	341.0	388.8	366.9	333.6	262.2	157.1	175.3	119.6	69.3	1693.1
PROM	70.2	40.0	87.8	144.1	239.4	207.4	276.8	157.1	124.4	96.4	55.8	32.9	1534.3
DESV	52.6	30.4	68.6	117.2	113.3	110.0	45.4	65.1	20.6	64.3	36.0	23.2	138.0
CV	0.7	0.8	0.8	0.8	0.5	0.5	0.2	0.4	0.2	0.7	0.6	0.7	0.1

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 8 HOYA 315 BUENO SUP 15124 (KM2)

EST 2 FUTRONO

LAT 4008 LON 7224 ALT 90 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOY
1963	-1.0	-1.0	3.5	146.0	216.5	257.0	226.0	297.4	232.5	152.0	159.0	23.0	-1.0
1964	62.5	93.0	29.0	63.5	192.5	162.5	87.0	212.5	152.0	93.5	68.0	192.5	1408.5
1965	67.0	122.5	62.5	166.5	150.5	288.0	238.0	348.5	42.0	163.5	125.0	109.0	1883.0
1966	15.0	34.0	104.0	185.5	228.5	312.5	207.7	156.5	72.6	105.5	49.1	277.5	1748.4
1967	61.0	81.0	34.5	44.0	332.0	136.5	212.5	310.2	86.0	129.5	88.0	47.5	1612.7
1968	26.0	123.0	68.5	103.0	147.3	117.9	161.1	172.9	128.7	134.7	109.3	192.7	1485.1
MIN	15.0	34.0	3.5	44.0	147.3	117.9	87.0	156.5	42.0	93.5	49.1	23.0	1408.5
MAX	67.0	123.0	104.0	185.5	332.0	312.5	238.0	348.5	232.5	163.5	159.0	277.5	1883.0
PROM	46.3	90.7	50.3	118.1	211.2	212.4	188.7	249.7	119.0	129.8	99.7	140.4	1627.5
DESV	24.0	36.6	35.4	57.2	67.9	83.6	56.3	79.6	68.2	26.7	39.9	97.6	192.6
CV	0.5	0.4	0.7	0.5	0.3	0.4	0.3	0.3	0.6	0.2	0.4	0.7	0.1

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 8 HOYA 315 BUENO SUP 15124 (KM2)

EST 3 FUNDO CHOROICO

LAT 4011 LON 7254 ALT 88 (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	23.4	109.4	77.9	51.6	86.9	-1.0
1941	0.0	42.5	8.5	137.8	164.5	197.2	434.7	214.2	49.2	92.9	86.3	57.7	1485.5
1942	14.9	58.0	60.6	109.9	133.0	74.8	160.7	230.7	134.3	46.9	29.5	21.2	1074.5
1943	0.0	17.2	54.5	69.2	171.7	118.9	196.8	87.5	90.7	53.0	39.6	0.0	899.1
1944	9.8	33.9	26.2	39.2	132.6	268.4	184.4	339.1	69.7	217.3	28.4	4.3	1353.3
1945	4.2	49.2	74.8	69.2	317.2	129.4	201.1	274.5	82.3	47.9	81.8	53.0	1384.6
1946	66.9	36.7	14.3	74.2	268.7	98.5	219.1	61.3	167.8	73.7	101.1	21.2	1203.5
1947	85.7	28.4	88.5	51.6	173.2	386.8	61.9	95.6	165.5	40.2	69.3	24.5	1271.2
1948	62.1	3.0	11.0	60.4	56.0	203.5	344.1	104.1	221.7	80.1	7.9	79.9	1233.8
1949	4.9	78.8	151.3	86.9	446.7	457.1	92.5	63.4	25.8	8.5	19.5	40.8	1476.2
1950	2.5	36.7	120.3	189.8	328.3	354.6	132.3	295.6	95.7	49.8	95.4	27.0	1728.0
1951	53.8	28.5	14.2	14.9	579.6	276.5	296.2	154.1	200.8	39.7	94.9	34.6	1787.8
1952	3.3	31.4	130.8	29.2	261.8	94.6	135.1	120.4	67.2	38.5	52.0	2.3	966.6
1953	133.3	27.3	44.4	38.2	373.1	171.2	246.0	336.3	310.1	79.7	31.1	35.5	1826.2
1954	29.3	38.0	1.8	182.9	168.8	143.8	268.4	96.5	100.9	65.1	53.0	34.6	1183.1
1955	78.5	55.8	40.7	129.7	98.8	293.7	108.5	187.5	79.4	7.6	38.0	123.5	1241.7
1956	65.0	54.4	144.2	85.8	107.2	115.4	187.1	168.4	60.3	54.0	3.6	0.0	1045.4
1957	37.4	0.1	18.5	34.8	277.5	90.0	272.1	185.9	82.5	40.9	21.2	59.9	1120.8
1958	40.0	16.0	16.0	134.0	349.0	193.0	405.0	202.0	133.0	8.7	83.0	4.3	1583.4
MIN	0.0	0.1	1.8	14.9	56.0	74.8	61.9	23.4	25.8	7.6	3.6	0.0	899.1
MAX	133.3	78.8	151.3	189.8	579.6	457.1	434.7	339.1	310.1	217.3	101.1	123.5	1826.2
PROM	38.4	35.3	56.7	85.4	244.9	203.7	219.2	170.6	118.2	59.1	52.0	37.4	1325.8
DESV	37.9	19.7	50.3	51.8	136.8	112.7	103.6	94.2	69.5	45.5	31.3	33.2	275.8
CV	1.0	0.6	0.9	0.6	0.6	0.6	0.5	0.6	0.6	0.8	0.6	0.9	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 8 HOYA 315 BUENO SUP 15124 (KM2)
 EST 5 CALCURRUPE DE RIÑINAHUE
 LAT 4013 LON 7216 ALT 90 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	78.9	0.4	117.7	118.8	202.5	277.3	115.7	295.7	177.0	159.8	132.0	93.4	1770.1
1964	98.2	133.2	100.1	79.8	314.0	222.5	186.0	234.4	211.7	92.4	123.8	165.6	1961.7
1965	110.1	176.7	104.5	177.3	192.1	312.1	261.1	306.3	72.8	173.1	153.0	129.6	2168.7
1966	27.0	49.0	154.0	187.5	347.5	548.5	485.0	255.8	123.5	164.0	84.5	288.0	2714.3
1967	134.2	114.5	101.5	74.2	475.7	127.8	285.5	307.6	228.7	217.7	102.2	49.5	2219.1
1968	29.3	212.5	96.5	124.0	285.5	173.8	172.3	255.9	159.7	201.7	127.2	167.0	2005.4
MIN	27.0	0.4	96.5	74.2	192.1	127.8	115.7	234.4	72.8	92.4	84.5	49.5	1770.1
MAX	134.2	212.5	154.0	187.5	475.7	548.5	485.0	307.6	228.7	217.7	153.0	288.0	2714.3
PROM	79.6	114.4	112.4	126.9	302.9	277.0	250.9	275.9	162.2	168.1	120.4	148.8	2139.9
DESV	43.7	78.9	21.7	47.5	104.5	148.9	130.2	31.1	57.6	43.4	24.0	81.6	323.6
CV	0.5	0.7	0.2	0.4	0.3	0.5	0.5	0.1	0.4	0.3	0.2	0.5	0.2

755.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 8 HOYA 315 BUENO SUP 15124 (KM2)
 EST 7 ISLA HUAPI LAGO RANCO
 LAT 4013 LON 7224

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

 1964 48.0 79.0 79.0 62.0 159.0 160.0 143.0 203.0 159.0 76.0 100.0 161.0 1429.0
 1965 -1.0 -1.0 84.0 -1.0 140.0 213.0 236.0 271.0 -1.0 -1.0 -1.0 -1.0 -1.0
 1966 18.0 40.0 106.0 216.0 255.0 368.0 213.0 176.0 96.0 99.0 18.0 335.0 2054.0

756.

PRECIPITACIONES (MM)

ZONA 8

HOYA 315 BUENO

SUP 15124 (KM2)

757.

EST 8 LAGO RANCO

LAT 4019 LON 7230 ALT 153 (MTS)

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

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TO
1931	94.0	32.0	48.0	189.0	128.0	187.0	265.0	173.0	92.0	161.0	55.0	37.0	1461.0
1932	36.0	82.0	103.0	267.0	159.0	364.0	427.0	173.0	185.0	123.0	87.0	55.0	2061.0
1933	174.0	68.0	172.0	165.0	160.0	282.0	156.0	283.0	45.0	146.0	142.0	182.0	1975.0
1934	73.0	91.0	162.0	75.0	204.0	411.0	197.0	191.0	220.0	96.0	18.0	69.0	1807.0
1935	64.0	86.0	121.0	103.0	277.0	314.0	111.0	161.0	184.0	126.0	91.0	152.0	1790.0
1936	54.0	23.0	98.0	62.0	314.0	283.0	233.0	132.0	160.0	107.0	37.0	176.0	1679.0
1937	14.0	179.0	148.0	64.0	316.0	380.0	337.0	266.0	76.0	49.0	112.0	41.0	1982.0
1938	51.0	0.0	187.0	116.0	212.0	337.0	363.0	154.0	170.0	197.0	87.0	71.0	1945.0
1939	168.0	164.0	39.0	171.0	409.0	378.0	117.0	268.0	157.0	222.0	64.0	6.0	2163.0
1940	116.0	129.0	80.0	328.0	369.0	350.0	369.0	85.0	149.0	105.0	82.0	187.0	2349.0
1941	0.0	84.0	46.0	167.0	232.0	178.0	377.0	337.0	83.0	117.0	153.0	102.0	1876.0
1942	41.6	109.0	112.0	125.0	222.0	170.0	206.0	199.0	117.0	91.0	61.0	106.0	1559.6
1943	4.0	46.0	101.0	123.0	230.0	120.0	275.0	66.0	142.5	113.0	93.0	0.0	1313.5
1944	35.0	50.0	76.0	57.0	180.0	315.0	142.0	278.0	139.0	376.0	71.0	13.0	1732.0
1945	9.2	22.2	175.7	144.5	368.5	202.1	168.0	248.6	68.0	59.8	97.7	113.2	1677.5
1946	62.3	82.9	22.9	81.6	163.8	133.4	178.5	87.1	164.0	91.8	176.5	62.4	1307.2
1947	81.8	49.4	79.0	46.7	307.3	340.2	168.8	141.4	124.4	60.4	44.3	106.0	1549.7
1948	126.5	23.8	85.5	139.0	168.7	167.3	332.2	88.9	151.7	134.3	43.1	131.7	1592.7
1949	70.5	88.8	94.8	94.0	316.5	316.9	68.3	40.0	64.8	27.3	33.5	99.8	1315.2
1950	10.0	75.5	145.8	172.7	445.9	422.2	171.9	284.2	156.0	92.0	151.0	104.6	2231.8
1951	124.5	69.9	94.6	25.2	666.2	389.9	282.3	188.9	281.3	74.7	128.0	92.6	2418.1
1952	7.5	37.5	193.9	48.5	279.6	101.1	202.9	175.9	161.1	51.0	51.5	23.5	1334.0
1953	245.7	32.5	131.6	57.0	470.8	276.8	241.0	315.3	297.3	60.5	47.0	70.4	2245.9
1954	31.5	50.0	4.0	250.4	258.3	265.7	349.7	183.4	174.9	112.0	57.0	102.0	1838.9
1955	97.1	78.6	68.9	189.4	99.8	308.8	279.0	205.7	81.1	24.9	99.1	230.0	1762.4
1956	133.7	82.1	199.5	203.6	201.4	163.9	225.8	174.5	117.9	40.8	21.9	15.1	1580.2
1957	38.2	8.2	50.5	18.6	383.5	192.6	282.8	314.1	103.7	127.3	62.8	137.4	1719.7
1958	88.2	31.1	33.8	162.6	310.5	305.0	339.9	168.4	153.1	28.0	206.2	17.3	1844.1
1959	73.5	25.9	157.3	264.7	153.2	135.2	265.1	194.6	194.0	213.8	64.4	19.3	1761.0
1960	82.3	31.2	82.8	91.0	190.4	304.8	316.2	201.6	125.0	126.5	37.5	47.5	1636.8
1961	199.8	59.3	93.7	127.5	365.0	278.0	37.6	351.5	285.0	96.0	45.0	22.0	2249.4
1962	61.5	5.0	64.0	83.5	82.0	241.0	5.5	399.0	129.5	67.0	141.0	91.5	1463.5
1963	55.5	37.5	115.0	225.0	193.5	297.0	348.0	353.0	203.5	170.0	144.0	64.0	2236.0
1964	96.0	102.0	84.0	78.0	275.0	189.0	165.0	265.0	210.0	94.0	72.0	216.0	1846.0
1965	99.0	168.0	80.0	175.0	182.0	354.0	308.0	316.0	94.0	132.0	135.0	102.0	2144.0
1966	45.0	28.0	106.0	232.0	307.0	433.0	290.0	204.0	112.0	118.0	104.0	287.0	2266.0
1967	98.0	128.0	108.0	72.0	393.0	136.0	320.0	310.0	227.0	201.0	57.0	62.0	2092.0
1968	24.0	214.0	65.0	98.0	220.5	166.2	122.6	-1.0	139.9	167.7	134.1	170.9	-1.0
MIN	0.0	0.0	4.0	18.6	82.0	101.1	68.3	40.0	45.0	24.9	18.0	0.0	1307.2
MAX	245.7	214.0	199.5	328.0	666.2	433.0	427.0	399.0	297.3	376.0	206.2	287.0	2418.1
PROM	75.9	70.4	100.8	134.0	268.8	268.1	248.1	215.6	151.0	115.8	87.0	94.3	1832.6
DESV	56.1	50.8	48.8	74.7	117.1	94.8	91.5	88.4	60.2	67.1	45.9	68.3	315.4
CV	0.7	0.7	0.5	0.6	0.4	0.4	0.4	0.4	0.4	0.6	0.5	0.7	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 8 HOYA 315 BUENO SUP 15124 (KM2)
 EST 9 PUERTO MARIN
 LAT 4015 LON 7203 ALT 130 (MTS)

758.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1935	-1.0	-1.0	-1.0	-1.0	-1.0	860.0	256.0	271.0	250.0	151.0	325.0	322.0	-1.0
1936	127.0	61.0	204.0	476.0	606.0	632.0	437.0	317.0	408.0	181.0	89.0	469.0	4007.0
1937	9.0	375.0	248.0	105.0	495.0	713.0	597.0	452.0	125.0	62.0	289.0	79.0	3549.0
1938	223.0	14.0	176.0	246.0	438.0	504.0	338.0	131.0	370.0	387.0	256.0	97.0	3180.0
1939	311.0	229.0	58.0	139.0	880.0	636.0	473.0	569.0	163.0	369.0	235.0	30.0	4092.0
1940	177.0	220.0	236.0	812.0	1037.0	757.0	808.0	328.0	272.0	212.0	314.0	316.0	5489.0
1941	0.0	107.0	123.0	516.0	479.0	357.0	772.0	951.0	309.0	675.0	699.0	433.0	5421.0
1942	153.0	260.0	683.0	481.0	609.0	571.0	362.0	349.0	360.0	184.0	122.0	228.0	4362.0
1943	0.0	203.0	315.0	272.0	934.0	584.0	596.0	280.0	842.0	272.0	263.0	11.0	4572.0
1944	80.0	100.0	168.0	195.0	462.0	829.0	436.0	918.0	340.0	723.0	264.0	95.0	4610.0
1945	101.9	143.9	450.7	503.8	1028.0	676.0	960.6	873.5	203.5	255.8	355.9	299.9	5854.0
1946	226.3	438.5	173.0	416.7	656.9	400.0	1046.0	437.1	552.1	333.2	637.2	234.6	5551.8
1947	297.8	80.0	210.5	216.8	1020.0	1112.0	485.1	194.3	242.2	126.9	134.2	201.8	4322.6
1948	182.9	32.5	177.9	414.3	300.4	631.2	668.5	218.1	-1.0	-1.0	-1.0	-1.0	-1.0
1949	-1.0	-1.0	-1.0	257.9	941.6	777.8	152.2	152.3	193.5	131.1	120.5	201.8	-1.0
1950	19.0	148.3	245.3	309.4	620.6	624.2	432.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1953	340.0	529.0	519.0	365.0	1665.0	481.0	395.0	1624.0	686.0	162.0	-1.0	-1.0	-1.0
MIN	0.0	14.0	58.0	105.0	300.4	357.0	152.2	131.0	125.0	62.0	89.0	11.0	3180.0
MAX	340.0	529.0	683.0	812.0	1665.0	1112.0	1046.0	1624.0	842.0	723.0	699.0	469.0	5854.0
PROM	149.9	196.1	265.8	357.9	760.8	655.6	542.1	504.1	354.4	281.7	293.1	215.6	4584.2
DESV	115.5	151.5	164.9	178.7	340.8	182.3	243.2	400.7	200.1	193.2	180.0	142.6	842.3
CV	0.8	0.8	0.6	0.5	0.4	0.3	0.4	0.8	0.6	0.7	0.6	0.7	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 8

HOYA 315 BUENO
EST 10 QUILLAICO L. RANCO
LAT 4019 LON 7233 ALT 153 (MTS)

SUP 15124 (KM2)

759.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1946	-1.0	130.0	66.0	100.0	260.0	192.0	328.0	147.0	362.0	135.0	195.0	51.0	-1.0
1947	175.0	56.0	65.0	71.0	306.0	477.0	55.0	155.0	183.0	42.0	99.0	103.0	1787.0
1948	69.0	21.0	54.0	154.0	249.0	280.0	486.0	132.0	301.0	138.0	47.0	185.0	2116.0
1949	0.0	72.0	224.0	110.0	496.0	332.0	41.0	42.0	25.0	-1.0	-1.0	203.0	-1.0
1950	-1.0	-1.0	78.0	57.0	366.0	381.0	150.0	215.0	142.0	146.0	96.0	86.0	-1.0
1952	8.0	13.0	122.0	53.0	286.0	110.0	195.0	139.0	90.0	31.0	36.0	35.0	1118.0
1953	143.0	38.0	124.0	74.0	302.0	240.0	173.0	242.0	260.0	66.0	34.0	40.0	1736.0
1954	26.0	24.0	3.9	300.0	282.0	285.0	377.0	188.0	196.0	85.0	51.0	125.0	1942.9
1958	84.0	29.0	36.0	183.0	325.0	312.0	313.0	174.0	166.0	21.0	190.0	17.0	1859.0
1959	74.0	20.0	164.0	346.0	318.0	188.0	268.0	218.0	194.0	205.0	49.0	19.0	1955.0
1960	73.0	28.0	72.0	68.0	-1.0	-1.0	-1.0	186.0	119.0	105.0	61.0	81.0	-1.0
1961	188.0	59.0	97.0	113.0	312.0	236.0	245.0	268.0	211.0	54.0	26.0	24.0	1833.0
1962	53.0	1.0	56.0	117.0	43.0	256.0	89.0	357.0	110.0	71.0	137.0	124.0	1414.0
1963	51.0	36.0	96.0	204.0	190.0	300.0	311.0	346.0	211.0	139.0	131.0	87.0	2102.0
1964	-1.0	92.0	75.0	64.0	230.0	176.0	133.0	259.0	193.0	77.0	-1.0	179.0	-1.0
1965	71.0	148.0	63.0	152.0	-1.0	320.0	279.0	273.0	96.0	123.0	119.0	102.0	-1.0
1966	13.0	2.8	73.0	186.0	208.0	335.0	301.0	104.0	72.0	76.0	54.0	212.0	1636.0
1967	109.0	122.0	83.0	39.0	496.0	77.0	334.0	297.0	187.0	166.0	53.0	23.0	1986.0
1968	4.5	227.8	56.9	85.2	186.1	157.1	181.4	184.9	129.0	167.5	146.3	-1.0	-1.0
MIN	0.0	1.0	3.9	39.0	43.0	77.0	41.0	42.0	25.0	21.0	26.0	17.0	1118.0
MAX	188.0	227.8	224.0	346.0	496.0	477.0	486.0	357.0	362.0	205.0	195.0	212.0	2116.0
PRQM	71.3	62.2	84.7	130.3	285.6	258.6	236.6	206.7	170.9	102.6	89.7	94.2	1790.4
DESV	58.2	60.5	48.3	83.7	108.4	98.8	118.4	81.3	81.3	52.3	54.6	65.7	289.0
CV	0.8	1.0	0.6	0.6	0.4	0.4	0.5	0.4	0.5	0.5	0.6	0.7	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 8 HOYA 315 BUENO SUP 15124 (KM2)
EST 11 LA UNION
LAT 4017 LON 7305 ALT 29 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1925	23.1	48.6	42.7	122.8	73.1	226.3	154.3	112.1	258.9	43.8	82.2	73.7	1261.6
1926	61.8	54.7	116.8	61.8	134.3	401.8	112.7	142.5	57.1	57.7	67.6	76.0	1344.8
1927	22.8	31.7	78.7	90.8	109.8	159.2	292.3	152.0	198.9	72.4	33.5	30.5	1272.6
1928	43.3	51.8	132.5	247.0	102.4	222.5	361.0	16.0	9.0	23.3	84.7	79.7	1373.2
1929	56.0	89.0	30.0	63.0	92.0	257.0	81.0	186.0	79.0	13.0	18.0	32.0	996.0
1930	1.0	1.0	42.0	167.0	138.0	356.0	187.0	168.0	70.0	41.0	88.0	222.0	1481.0
1931	86.0	21.0	44.0	155.0	99.0	168.0	244.0	187.0	78.0	36.0	45.0	2.0	1165.0
1932	5.0	52.0	41.0	180.0	51.0	289.0	309.0	196.0	193.0	29.0	22.0	28.0	1395.0
1933	63.0	36.0	108.0	26.0	116.0	147.0	96.0	234.0	61.0	84.0	61.0	84.2	1116.2
1934	29.0	41.0	80.0	61.0	131.0	343.0	134.0	98.0	94.0	73.0	13.0	36.0	1133.0
1935	28.0	45.0	76.0	37.0	184.0	369.0	79.0	189.0	113.0	61.0	51.0	74.0	1306.0
1936	35.0	28.0	53.0	129.0	291.0	228.0	199.0	160.2	97.0	35.0	22.0	161.5	1438.7
1937	0.0	56.0	61.0	13.0	108.0	200.0	192.0	125.0	45.0	17.0	67.0	23.0	907.0
1938	20.0	4.0	95.0	36.0	156.0	234.0	191.0	54.0	50.0	69.0	58.0	16.0	983.0
1939	92.0	91.0	23.0	29.0	284.0	296.0	111.0	234.0	111.0	162.0	16.0	16.0	1465.0
1940	64.0	153.0	78.0	169.0	275.0	331.0	275.0	56.0	126.0	86.0	63.0	71.0	1747.0
1941	0.0	62.0	24.0	92.0	151.9	241.8	319.4	230.1	52.8	59.7	104.5	58.5	1396.7
1942	18.0	19.0	76.0	108.0	163.0	121.0	163.0	272.0	125.0	47.0	34.0	20.0	1166.0
1943	0.0	14.0	50.0	92.0	172.8	138.0	216.0	82.0	199.0	50.0	29.0	0.0	1042.8
1944	12.0	19.0	34.0	44.0	137.0	270.0	178.0	448.0	77.6	242.0	48.7	5.0	1515.3
1945	3.0	67.0	89.5	55.0	356.0	100.0	280.5	315.5	126.5	40.0	93.0	59.5	1585.5
1946	99.0	80.8	31.5	77.3	302.0	102.0	207.0	75.0	195.0	93.5	109.0	29.0	1401.1
1947	79.5	46.0	66.5	60.5	173.5	274.0	71.0	81.0	121.5	35.0	75.5	34.0	1118.0
1948	79.0	2.0	29.5	116.0	104.5	198.5	256.1	99.8	214.5	59.5	14.5	60.0	1233.9
1949	1.0	88.0	121.0	85.0	405.5	398.0	74.0	53.5	21.5	12.0	5.5	44.5	1309.5
1950	6.0	27.5	111.0	148.5	250.5	342.5	105.5	252.5	117.5	48.0	60.0	27.5	1497.0
1951	56.5	19.5	14.0	22.5	437.0	329.0	228.0	133.0	197.5	30.0	83.0	21.3	1571.8
1952	12.5	34.5	105.0	27.5	264.5	73.0	142.5	117.5	48.0	21.5	55.5	2.5	904.5
1953	87.0	74.0	51.0	40.0	271.5	194.5	237.5	285.5	262.0	47.0	29.0	37.0	1616.0
1954	17.5	46.5	2.5	219.5	131.0	243.5	248.0	123.5	100.0	80.5	36.5	58.0	1307.0
1955	53.0	45.0	31.5	140.8	51.5	242.0	80.5	177.5	77.5	6.5	26.0	96.2	1036.0
1956	70.0	43.5	41.0	59.5	97.0	122.1	14.0	172.7	75.3	36.5	16.5	5.5	879.6
1957	36.4	2.0	11.0	35.0	260.0	83.0	190.5	171.5	64.0	38.5	37.5	56.0	990.4
1958	28.5	20.0	22.5	120.9	370.5	250.0	305.5	142.0	130.5	13.0	70.0	10.0	1483.4
1959	99.0	13.0	98.0	213.0	111.0	145.0	250.0	66.0	141.0	135.0	12.0	9.0	1292.0
1960	64.0	20.0	60.0	25.0	99.0	209.0	236.0	66.0	84.0	69.0	28.0	54.0	1014.0
1961	75.0	34.0	32.0	45.3	329.1	244.2	184.9	182.1	180.2	20.0	12.2	0.8	1339.8
1962	24.7	1.4	41.0	91.1	39.7	154.3	56.7	208.6	65.3	44.5	72.8	115.2	915.3
1963	50.6	14.9	58.9	70.2	115.5	197.2	203.1	231.9	110.6	103.8	122.1	69.5	1348.3
1964	42.0	46.0	28.0	41.0	119.0	115.0	97.0	225.0	122.0	32.0	66.0	83.0	916.0
1965	282.0	770.0	44.0	222.0	99.0	211.0	260.0	261.0	39.0	95.0	67.0	28.0	1424.0
1966	212.0	3.0	76.0	79.0	204.0	305.0	240.0	104.0	43.0	75.0	43.0	126.0	1310.0
1967	27.0	52.0	48.0	19.0	275.0	106.0	144.0	251.0	62.0	66.0	44.0	16.0	1110.0
1968	15.2	71.3	22.5	56.9	77.9	82.6	123.7	140.4	64.9	72.0	53.9	142.0	923.3
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
MIN	0.0	1.0	2.5	13.0	39.7	73.0	56.7	16.0	9.0	6.5	5.5	0.0	879.6
MAX	282.0	770.0	132.5	247.0	437.0	401.8	361.0	448.0	262.0	242.0	122.1	222.0	1747.0
PROM	49.6	57.7	57.3	90.8	179.9	220.9	187.9	165.4	108.1	58.5	50.9	52.1	1250.7
DESV	53.5	114.0	32.7	62.0	102.3	90.1	77.9	84.1	62.0	42.9	29.2	46.9	226.5
CV	1.1	2.0	0.6	0.7	0.6	0.4	0.4	0.5	0.6	0.7	0.6	0.9	0.2
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZCNA 8 HCYA 215 BUENO SLP 15124 (KM2)
 EST 12 HACIENDA FORESTAL
 LAT 4015 LON 7330 ALT 50 (MTS)

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

 1960 110.0 35.7 87.7 86.9 114.7 306.1 307.6 129.0 83.6 182.6 10.5 12.9 1466.3
 1963 13.2 36.5 76.2 197.4 210.2 375.2 336.4 272.0 158.6 148.3 134.9 72.2 2031.1
 1964 78.7 47.0 31.5 145.0 238.8 160.7 239.6 438.6 228.9 65.1 25.2 209.7 1908.8
 1965 33.8 286.6 12.8 309.3 244.1 415.1 419.4 391.4 41.8 251.7 143.2 32.0 2562.4
 1966 10.4 0.0 102.0 289.8 370.2 619.7 227.8 176.7 52.8 66.2 -1.0 -1.0 -1.0

 MIN 10.4 0.0 12.8 86.9 114.7 160.7 239.6 129.0 41.8 65.1 10.5 12.9 1466.3
 MAX 110.0 286.6 102.0 309.3 244.1 415.1 419.4 391.4 228.9 251.7 143.2 209.7 2562.4
 PRGM 49.2 81.2 62.0 205.7 235.6 275.4 328.2 281.5 113.1 142.8 78.4 81.7 1992.1
 DESV 43.6 116.2 38.1 94.4 91.5 167.4 64.7 133.3 79.2 79.7 70.3 88.8 451.0
 CV 0.9 1.4 0.6 0.5 0.4 0.4 0.2 0.5 0.7 0.6 0.9 1.1 0.2

761.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORREGIDOS

PRECIPITACIONES (MM)

ZONA 8 HOYA 315 BUENO SUP 15124 (KM2) EST 13 VENECIA LAT 4015 LON 7342

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1927	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	103.3	-1.0
1928	175.1	157.0	196.8	425.3	174.8	667.8	587.5	258.5	117.5	52.5	260.3	261.2	3334.3
1929	202.0	203.0	145.0	279.0	329.0	523.0	392.0	551.0	260.0	153.0	193.0	351.0	3581.0
1930	18.0	28.0	130.0	266.0	306.0	633.0	354.0	326.0	290.0	209.0	242.0	386.0	3188.0
1931	153.0	64.0	101.0	238.0	220.0	441.0	437.0	359.0	123.0	247.0	126.0	68.0	2577.0
1932	117.0	164.0	198.0	589.0	191.0	512.0	671.0	449.0	218.0	245.0	121.0	78.0	3553.0
1933	195.0	119.0	285.0	328.0	233.0	465.0	305.0	557.0	395.0	199.0	-1.0	-1.0	-1.0
1934	119.0	126.0	234.0	109.0	236.0	665.0	518.0	407.0	314.0	163.0	-1.0	-1.0	-1.0
MIN	18.0	28.0	101.0	109.0	174.8	441.0	305.0	258.5	117.5	52.5	121.0	68.0	2577.0
MAX	202.0	203.0	285.0	589.0	329.0	667.8	671.0	557.0	395.0	247.0	260.3	386.0	3581.0
PROM	139.9	123.0	184.3	319.2	241.4	558.1	466.4	415.4	245.4	181.2	188.5	207.9	3246.7
DESV	63.4	60.2	63.8	152.4	56.8	95.6	131.8	112.1	101.1	67.3	64.2	143.1	407.8
CV	0.5	0.5	0.3	0.5	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.7	0.1

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 8 HOYA 315 BUENO SUP 15124 (KM2)
 EST 14 PUNIRO
 LAT 4016 LON 7212 ALT 140 (MTS)

763.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1928	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	544.7	199.5	122.4	72.6	226.9	290.7	-1.0
1929	119.0	121.0	95.0	178.0	256.0	363.0	379.0	553.0	361.0	162.0	119.0	351.0	3057.0
1930	0.0	46.0	20.0	289.0	440.0	797.0	699.0	244.0	161.0	322.0	305.0	368.0	3691.0
1931	80.0	37.0	91.0	285.0	242.0	430.0	557.0	474.0	150.0	383.0	108.0	40.0	2877.0
1932	69.0	65.0	219.0	667.0	161.0	669.0	617.0	242.0	196.0	300.0	130.0	101.0	3436.0
1933	208.0	106.0	83.0	526.0	63.0	140.0	117.0	443.0	173.0	178.0	263.0	272.0	2772.0
1934	73.0	136.0	218.0	60.0	427.0	-1.0	-1.0	254.0	239.0	189.0	37.0	87.0	-1.0
1937	14.0	274.0	213.0	122.0	607.0	547.0	622.0	598.0	134.0	67.0	236.0	55.0	3489.0
1938	128.0	8.0	267.0	205.0	461.0	635.0	613.0	261.0	371.0	204.0	291.0	17.0	3461.0
1939	224.0	156.0	34.0	100.0	785.0	627.0	379.0	697.0	236.0	512.0	54.0	24.0	3828.0
1940	57.0	127.0	129.0	445.0	801.0	759.0	701.0	156.0	216.0	137.0	182.0	204.0	3914.0
1941	0.0	75.0	64.0	297.0	404.0	377.0	728.0	677.0	96.0	75.0	510.0	192.0	3495.0
1942	39.0	119.0	195.0	241.0	447.0	282.0	395.0	564.0	466.0	91.0	73.0	79.0	2991.0
1943	0.0	86.0	178.0	61.0	458.0	266.0	530.0	241.0	331.0	174.0	68.0	0.0	2423.0
1944	68.0	11.0	-1.0	180.0	348.0	789.0	447.0	451.0	205.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	8.0	20.0	60.0	63.0	140.0	117.0	156.0	96.0	67.0	37.0	0.0	2423.0
MAX	224.0	274.0	267.0	667.0	801.0	797.0	728.0	697.0	466.0	512.0	510.0	368.0	3914.0
PROM	77.1	97.6	138.9	261.1	421.4	513.9	523.5	403.6	230.5	204.8	185.9	148.6	3286.2
DESV	71.7	68.8	80.3	178.5	210.5	218.3	166.8	185.0	106.3	131.1	130.2	128.9	457.9
CV	0.9	0.7	0.6	0.7	0.5	0.4	0.3	0.5	0.5	0.6	0.7	0.9	0.1

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZCNA 8 FOYA 315 BUENO SUP 15124 (KM2)														
EST 16 LAGO RANCO END PRGP END TIPO PV														
LAT 4018 LON 7225 ALT 75 (MTS)														

ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT	764.

1946	-1.0	129.6	66.0	100.2	259.9	191.5	327.6	146.8	361.8	134.9	194.7	51.2	-1.0	
1947	175.4	56.2	65.1	71.2	296.1	477.2	54.5	155.2	183.3	42.2	58.9	102.6	1787.9	
1948	69.4	20.7	53.7	152.7	294.3	280.1	486.1	132.2	300.7	138.1	46.6	185.4	2116.0	
1949	-1.0	71.5	224.0	110.2	496.2	332.2	41.0	42.0	24.8	0.0	19.0	203.4	1564.0	
1950	-1.0	-1.0	78.0	56.8	366.0	381.2	149.5	214.5	142.0	146.0	95.7	85.9	-1.0	
1951	125.1	76.9	51.7	32.0	691.8	359.3	198.7	145.8	258.4	51.2	99.5	46.3	2110.2	
1952	7.5	13.0	121.8	32.0	286.1	179.9	194.5	139.3	50.3	30.6	35.9	34.9	1117.3	
1953	142.8	37.0	123.6	74.0	302.0	239.5	172.8	241.9	260.5	66.1	34.4	40.3	1735.6	
1954	126.0	23.5	3.9	299.6	281.6	285.0	377.4	187.7	155.7	84.8	50.6	124.9	1940.7	
1955	97.1	78.6	68.9	189.4	99.8	308.8	279.0	205.7	81.1	24.9	99.1	230.0	1762.4	
1956	133.7	82.1	199.5	203.6	201.4	163.9	225.8	174.5	117.9	40.8	21.9	15.1	1580.2	
1957	38.2	8.2	50.5	18.6	389.5	192.6	282.8	314.1	103.7	127.3	62.8	137.4	1719.7	
1958	88.2	31.1	33.8	162.6	310.5	305.0	339.0	168.4	153.1	28.0	206.2	17.3	1844.1	
1959	73.5	25.9	157.3	264.7	153.2	135.2	265.1	194.6	194.0	213.8	64.4	19.3	1761.0	
1960	82.3	21.2	82.8	91.0	190.4	304.8	316.2	201.6	125.0	126.5	37.5	47.5	1636.8	
1961	199.8	59.3	84.8	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
1962	61.5	5.0	64.0	83.5	335.0	235.5	69.2	286.6	129.5	67.0	-1.0	-1.0	-1.0	
1963	55.5	37.5	134.0	225.0	201.0	297.0	358.5	377.0	203.5	170.0	144.0	94.0	2297.0	
1964	56.0	125.0	61.0	285.0	276.0	181.0	165.0	265.0	210.0	94.0	72.0	225.5	1855.5	
1965	88.5	163.0	79.0	175.0	181.5	377.0	295.0	323.0	78.5	149.5	128.5	90.5	2129.0	
1966	45.0	27.5	106.0	232.5	207.0	433.0	290.5	199.5	111.5	118.0	103.5	287.0	2261.0	
1967	98.5	128.0	107.5	71.5	393.0	142.0	318.0	326.5	206.0	202.5	65.5	54.0	2113.0	
1968	22.5	228.5	58.5	98.0	224.5	164.7	122.6	167.1	154.7	160.7	132.3	171.4	1697.5	

MIN	0.0	5.0	3.9	5.5	99.8	109.9	41.0	42.0	24.8	0.0	19.0	15.1	1117.3	
MAX	199.8	220.5	224.0	299.6	691.8	477.2	486.1	377.0	361.8	213.8	206.2	287.0	2297.0	
DES	32.2	60.0	90.2	123.2	297.3	268.0	242.3	209.5	167.5	110.3	26.3	107.3	1843.6	
DES	52.5	56.2	51.6	80.6	125.1	101.1	113.7	79.0	80.0	61.1	52.5	80.7	285.9	
CV	0.6	0.9	1.6	0.6	0.4	0.4	0.5	0.4	0.5	0.6	0.6	0.7	0.2	

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORRIDOS

PRECIPITACIONES (MM)

ZONA 8

HOYA 315 BUENO

SUP 15124 (KM2)

765.

EST 19 RIO BUENO

LAT 4020 LON 7255 ALT 70 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1915	19.7	49.4	25.3	222.9	364.1	180.9	228.0	99.2	80.1	62.8	40.9	42.6	1415.9
1916	33.3	16.4	77.4	103.7	134.5	53.3	98.5	146.7	132.5	17.1	116.2	101.5	1031.1
1917	24.5	58.5	27.7	70.3	98.1	228.1	107.6	120.1	158.8	33.9	63.1	59.5	1050.2
1918	77.0	13.0	113.9	175.3	283.0	181.6	144.5	126.8	138.2	52.6	186.2	8.1	1500.2
1919	48.4	79.6	77.8	140.9	517.4	132.5	252.2	103.0	99.8	27.0	110.9	63.1	1652.6
1920	25.1	25.2	136.3	176.7	428.5	174.9	73.4	122.3	121.7	67.2	140.4	47.5	1539.2
1921	77.9	78.4	67.7	190.6	195.9	215.5	57.5	148.1	43.0	38.3	10.3	158.6	1201.8
1922	46.6	15.0	104.7	51.6	91.4	198.1	482.7	153.6	48.4	82.8	30.9	9.4	1315.2
1923	10.9	47.5	128.8	52.8	71.2	177.3	144.3	177.0	104.1	95.7	52.2	28.9	1090.7
1924	6.9	83.6	101.6	92.1	112.4	220.9	125.0	88.0	58.3	46.8	25.4	18.0	979.0
1925	35.3	48.8	56.7	127.4	94.0	196.7	111.5	113.9	232.6	31.5	94.7	91.4	1234.5
1926	95.8	68.1	157.2	77.5	121.6	350.8	104.6	132.7	81.2	64.4	72.2	82.1	1408.2
1927	50.8	34.0	66.7	103.9	11.3	110.3	199.1	172.7	174.1	57.8	39.6	32.1	1152.4
1928	53.1	54.1	127.5	225.9	99.5	261.5	243.3	50.5	25.8	19.0	103.4	82.3	1345.9
1929	130.0	76.0	43.0	96.0	117.0	157.0	40.0	102.0	73.0	33.0	41.0	75.0	983.0
1930	1.0	12.0	37.0	97.0	64.0	152.0	67.0	103.0	97.0	95.0	97.0	164.0	986.0
1931	50.0	11.0	35.0	83.0	55.0	116.0	76.0	59.0	9.0	30.0	23.0	0.3	547.3
1932	9.0	33.0	43.0	117.0	49.0	178.0	187.0	80.0	363.0	30.0	38.0	13.0	1140.0
1933	45.0	14.0	71.0	60.0	45.0	-1.0	-1.0	-1.0	21.0	63.0	81.0	21.0	-1.0
1934	14.0	36.0	46.0	45.0	144.0	345.0	124.0	58.0	-1.0	-1.0	-1.0	-1.0	-1.0
1940	73.0	110.0	85.0	169.0	254.0	308.0	275.0	42.0	122.0	78.0	52.0	66.0	1634.0
1941	0.0	64.0	24.0	127.0	193.0	215.0	451.0	217.0	48.0	74.0	103.0	73.0	1589.0
1942	24.0	49.0	79.0	113.0	144.0	102.0	150.0	223.0	102.0	44.0	29.0	16.0	1075.0
1943	0.0	22.0	65.0	85.0	210.0	108.0	178.0	92.0	121.0	45.0	41.0	0.0	967.0
1944	19.0	25.0	39.0	62.0	139.9	199.2	160.0	358.3	75.6	340.0	61.5	9.0	1488.5
1945	29.0	65.0	98.8	58.8	280.0	113.2	243.3	251.4	114.5	42.6	74.5	72.7	1443.8
1946	71.7	87.3	24.4	74.3	226.6	106.7	173.1	77.8	187.7	97.5	105.2	20.8	1253.1
1947	123.0	75.9	44.9	56.1	221.8	280.6	62.6	92.8	90.1	42.4	31.6	41.2	1163.0
1948	31.9	2.1	40.1	71.7	101.0	174.8	238.2	49.2	184.6	46.8	5.8	58.6	1004.8
1949	11.4	49.9	80.2	103.6	423.4	385.1	77.4	66.6	25.0	0.0	16.4	66.6	1305.6
1950	10.3	65.4	146.7	184.3	319.7	332.7	97.7	275.1	101.3	35.2	63.7	47.2	1679.0
1951	59.3	27.0	17.1	36.4	483.9	254.0	162.2	110.6	179.8	36.3	81.8	35.4	1485.1
1952	10.7	49.2	98.9	22.6	258.5	68.9	154.3	97.7	72.3	26.5	44.2	6.9	910.7
1953	112.5	43.4	64.5	38.3	300.3	178.6	170.2	253.1	258.3	54.0	67.8	38.7	1579.7
1954	16.0	40.2	1.6	208.3	149.0	216.9	229.3	88.5	89.2	80.7	33.9	81.2	1234.8
1955	83.3	62.9	46.1	172.6	37.4	218.2	103.3	133.3	90.6	7.5	34.1	111.3	1100.6
1956	64.6	37.6	136.1	72.0	104.4	132.8	142.1	166.3	67.3	29.5	16.4	5.5	974.6
1957	59.3	0.0	22.1	42.8	270.9	92.8	242.8	211.0	82.5	43.7	30.6	62.1	1160.6
1958	37.9	20.4	22.2	121.9	298.6	245.0	304.0	141.2	124.9	5.3	85.5	8.3	1415.2
1959	114.0	20.3	114.8	234.3	123.5	136.1	236.8	72.9	108.3	122.1	8.0	0.5	1291.6
1960	57.8	19.4	64.9	34.9	119.9	214.1	240.3	81.0	82.0	61.2	29.2	55.2	1059.9
1961	105.2	35.1	44.3	57.3	346.5	223.8	206.4	212.3	180.0	22.5	15.1	1.7	1450.2
1962	42.6	0.0	45.8	88.9	56.9	162.0	60.5	217.8	75.7	44.7	84.0	98.5	977.4
1963	38.1	24.6	64.3	109.2	148.3	239.7	203.0	297.8	137.7	86.0	146.4	91.7	1713.8
1964	54.7	50.0	43.0	58.7	222.0	134.2	107.0	235.1	-1.0	57.3	70.9	143.2	-1.0
1965	46.0	109.6	55.8	220.4	113.1	256.7	253.3	290.4	43.2	105.6	67.7	41.7	1603.5
1968	19.5	119.5	30.8	80.5	121.6	92.6	117.2	118.2	64.4	75.7	73.2	134.4	1047.6
MIN	0.0	0.0	1.6	22.6	11.3	53.3	40.0	42.0	9.0	0.0	5.8	0.0	547.3
MAX	130.0	119.5	157.2	234.3	517.4	385.1	482.7	358.3	363.0	340.0	186.2	164.0	1713.8
PROM	46.2	45.3	66.9	106.7	186.5	191.8	171.9	144.1	108.7	57.7	61.7	54.0	1255.9
DESV	34.3	29.5	38.5	58.6	123.2	76.7	93.2	76.0	66.9	50.7	39.8	43.4	259.0
CV	0.7	0.7	0.6	0.5	0.7	0.4	0.5	0.5	0.6	0.9	0.6	0.8	0.2

PRECIPITACIONES (MM)

ZONA 8 HOYA 315 BUENO SUP 15124 (KM2) 766.

EST 20 TRUMAO

LAT 4021 LON 7307 ALT 11 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOI
1913	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	51.2	6.2	32.2	-1.0
1914	60.8	16.7	20.3	38.0	233.8	378.0	226.3	111.6	173.0	37.6	82.3	29.1	1407.5
1915	12.9	55.8	32.9	208.9	393.3	131.9	237.6	105.8	62.1	50.3	27.9	49.5	1368.9
1916	41.6	5.5	50.1	107.9	256.0	48.3	76.5	195.3	142.5	3.5	98.2	122.3	1147.7
1917	24.4	61.6	16.2	53.3	104.3	219.0	101.6	105.3	168.7	43.6	59.3	61.2	1018.5
1918	76.2	8.1	90.6	120.0	291.4	179.2	141.0	139.2	128.1	68.9	174.1	7.5	1424.3
1919	29.6	88.3	60.1	115.1	465.7	132.8	266.2	107.4	96.3	22.2	90.9	59.4	1534.0
1920	30.6	19.8	108.7	187.3	340.3	151.4	63.5	124.8	116.6	70.1	78.5	31.6	1323.2
1921	52.7	66.7	43.2	178.7	225.5	213.9	49.3	156.4	46.5	33.9	7.4	131.6	1205.8
1922	54.9	12.0	52.9	27.7	64.9	158.9	354.6	150.4	57.5	81.3	19.5	6.5	1041.1
1923	8.1	55.2	101.3	36.0	53.8	238.5	138.6	200.6	114.2	95.6	41.9	22.6	1106.4
1924	3.9	50.0	75.0	74.9	83.3	175.1	124.1	55.8	50.0	35.1	18.3	13.6	759.1
1925	20.1	48.0	42.5	124.4	75.5	191.1	144.5	106.8	252.2	18.9	78.2	72.6	1174.8
1926	53.3	71.8	150.5	107.8	143.5	363.7	114.6	113.5	93.6	58.5	88.4	76.8	1436.0
1927	16.1	28.8	66.0	96.2	113.4	148.5	233.8	144.7	211.2	89.8	30.5	25.2	1204.2
1928	39.4	48.0	108.5	185.5	127.9	308.3	298.4	55.3	25.8	13.7	63.7	94.9	1369.4
1929	98.0	65.0	37.0	75.0	102.0	232.0	124.0	209.0	98.0	32.0	40.0	69.0	1171.0
1930	-1.0	-1.0	-1.0	-1.0	141.0	287.0	117.0	146.0	76.0	78.0	94.0	211.0	-1.0
1931	98.0	24.0	40.0	114.0	93.0	155.0	166.0	164.0	45.0	61.0	29.0	4.0	993.0
1932	9.0	37.0	52.0	203.0	53.0	197.0	250.0	179.0	134.0	75.0	35.0	15.0	1239.0
1933	44.0	38.0	57.0	88.0	120.0	106.0	127.0	192.0	45.0	76.0	45.0	50.0	988.0
1934	33.0	44.0	61.0	47.0	118.0	331.0	74.0	32.0	93.0	61.0	12.0	-1.0	-1.0
1935	40.0	34.0	49.0	36.0	151.0	380.0	95.0	200.0	105.0	80.0	39.0	61.0	1270.0
1936	22.0	3.0	40.0	57.0	252.0	137.0	126.0	92.0	81.0	14.0	15.0	103.0	942.0
1937	3.0	47.0	79.0	16.0	158.0	253.0	-1.0	-1.0	36.4	24.0	-1.0	-1.0	-1.0
MIN	3.0	3.0	16.2	16.0	53.0	48.3	49.3	32.0	25.8	3.5	6.2	4.0	759.1
MAX	98.0	88.3	150.5	208.9	465.7	380.0	354.6	209.0	252.2	95.6	174.1	211.0	1534.0
PROM	37.9	40.4	62.3	99.9	173.4	213.2	158.7	134.2	102.2	51.0	53.1	58.7	1196.4
DESV	27.1	23.0	32.0	59.4	111.1	89.4	81.4	49.6	57.1	26.5	39.4	49.4	194.8
CV	0.7	0.6	0.5	0.6	0.6	0.4	0.5	0.4	0.6	0.5	0.7	0.8	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 8

HOYA 315 BUENO
EST 22 SAN JUAN DE LA COSTA
LAT 4031 LON 7329

SUP 15124 (KM2)

768.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1915	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	257.0	183.5	87.0	47.5	53.5	57.5	-1.0
1916	46.0	-1.0	79.0	92.5	84.0	100.5	101.0	178.0	160.0	12.0	88.0	98.0	-1.0
1917	34.8	62.5	34.0	41.5	100.0	256.5	162.5	143.0	188.0	62.5	82.0	86.0	1253.3
1918	69.0	13.0	133.0	103.5	316.0	231.0	184.5	164.5	150.0	68.5	163.5	27.0	1623.5
1919	56.5	60.0	80.5	129.5	441.5	158.5	285.5	147.0	112.0	44.5	100.0	59.0	1674.5
1920	37.0	27.0	149.5	187.0	426.2	130.2	91.0	136.5	109.0	95.0	95.4	34.0	1517.8
1921	98.5	63.7	51.7	243.5	220.1	260.5	72.2	214.8	63.2	52.2	9.3	144.8	1494.5
1922	37.5	39.4	70.7	35.7	78.2	193.5	439.9	170.3	92.0	65.3	47.0	3.1	1272.6
1968	0.0	95.0	44.0	98.0	124.0	120.0	147.0	145.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	13.0	34.0	35.7	78.2	100.5	72.2	136.5	63.2	12.0	9.3	3.1	1253.3
MAX	98.5	95.0	149.5	243.5	441.5	260.5	439.9	214.8	188.0	95.0	163.5	144.8	1674.5
PROM	47.4	51.5	80.3	116.4	223.7	181.3	193.4	164.7	120.1	55.9	79.8	63.7	1472.7
DESV	28.7	27.3	41.3	70.2	152.6	63.2	117.4	25.1	42.1	23.8	45.5	45.1	175.6
CV	0.6	0.5	0.5	0.6	0.7	0.3	0.6	0.2	0.4	0.4	0.6	0.7	0.1

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 8 HOYA 315 BUENO SUP 15124 (KM2)
 EST 23 CANAL BAJO
 LAT 4034 LON 7304

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1941	-1.0	-1.0	-1.0	-1.0	213.0	184.0	387.0	233.0	37.0	109.0	88.0	86.0	-1.0
1942	37.0	48.0	92.0	101.0	143.0	129.0	162.0	214.0	119.0	91.0	37.0	40.0	1213.0
1943	3.0	38.0	85.0	98.0	200.0	132.0	175.0	59.0	142.0	71.0	47.0	1.0	1051.0
1944	19.0	33.0	55.0	48.5	137.3	333.4	183.7	352.8	84.9	274.2	51.8	6.6	1580.2
1945	63.3	75.3	158.8	120.8	461.2	152.7	330.2	236.8	124.9	32.6	90.7	91.2	1938.5
1946	50.3	108.5	11.9	78.7	251.2	155.8	282.1	78.0	300.9	142.0	157.5	38.6	1655.5
1947	136.5	34.8	51.3	59.3	272.7	303.4	82.1	141.6	170.3	47.1	78.1	61.5	1438.7
1948	104.9	11.7	55.9	132.9	83.8	209.6	269.0	89.3	149.9	63.9	18.0	98.4	1287.3
1949	20.0	160.6	142.9	87.7	366.2	391.5	94.9	52.6	54.6	13.1	29.2	52.5	1465.8
1950	8.1	44.5	82.0	156.8	278.1	141.7	156.7	206.8	130.8	50.8	91.6	59.5	1407.4
1951	85.7	22.3	40.1	51.8	389.2	224.4	212.9	115.5	166.7	63.4	86.9	14.2	1473.1
1952	13.0	47.4	210.5	29.9	238.7	104.2	188.7	-1.0	89.9	70.0	53.4	-1.0	-1.0
1953	-1.0	56.1	-1.0	-1.0	143.8	217.0	249.7	237.5	-1.0	-1.0	-1.0	-1.0	-1.0
1954	28.0	35.8	10.0	142.8	102.6	190.7	358.1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	3.0	11.7	10.0	29.9	83.8	104.2	82.1	52.6	37.0	13.1	18.0	1.0	1051.0
MAX	136.5	160.6	210.5	156.8	461.2	391.5	387.0	352.8	300.9	274.2	157.5	98.4	1938.5
PROM	47.4	55.1	82.9	92.3	234.3	205.0	223.7	168.1	130.9	85.7	69.1	50.0	1451.0
DESV	42.3	39.9	60.6	40.5	112.4	84.4	93.0	92.7	68.0	68.4	37.9	33.7	245.5
CV	0.9	0.7	0.7	0.4	0.5	0.4	0.4	0.6	0.5	0.8	0.5	0.7	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZCNA 8 HCYA 315 BUENC SLP 15124 (KM2)

EST 24 CENTRAL PILMAIGLEN ALT 140 (MTS)

LAT 4035 LON 7248

ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEPT	OCT	NOV	DIC	TOT
1946	-1.0	78.6	47.7	101.0	224.2	162.2	310.7	108.1	204.5	183.6	250.6	47.0	-1.0
1947	239.5	103.7	42.0	169.8	220.0	229.0	124.4	185.2	237.4	71.9	108.2	126.6	1196.2
1948	116.0	36.5	54.1	154.1	214.2	412.9	230.7	113.7	235.8	121.5	36.2	157.2	2023.8
1949	70.8	235.2	232.6	190.8	591.5	488.6	119.7	96.5	70.6	21.0	50.9	109.5	2288.4
1950	15.8	104.4	156.9	193.8	345.9	453.4	198.8	314.0	188.3	54.4	152.6	93.5	2312.0
1951	164.0	63.1	252.2	44.3	680.4	328.9	293.7	197.9	253.5	104.4	127.6	50.3	2388.3
1952	37.8	53.0	70.6	50.1	291.1	93.0	235.7	157.5	122.0	53.4	64.2	40.1	1532.1
1953	264.7	106.9	123.8	75.9	469.0	262.2	213.2	349.6	366.7	107.0	44.2	70.5	2553.8
1954	38.2	57.3	14.2	259.2	227.2	253.2	383.4	183.2	204.0	121.2	88.8	114.2	1944.7
1955	114.3	112.8	53.4	244.4	82.2	420.4	268.1	229.4	113.0	35.0	52.0	286.0	2022.2
1956	179.0	64.1	191.6	143.7	161.9	176.1	253.4	199.6	132.7	107.1	50.7	24.8	1684.6
1957	101.0	12.9	76.2	42.3	406.2	205.1	274.5	213.2	121.7	97.8	87.5	101.1	1933.6
1958	85.6	55.7	56.7	204.1	383.8	205.0	442.6	180.5	173.9	30.2	223.5	40.9	2182.5
1959	134.5	58.0	228.0	314.5	235.4	166.6	259.4	217.0	188.0	198.7	49.4	25.1	2069.0
1960	108.7	53.0	128.0	165.5	144.7	293.4	312.0	170.0	146.0	126.5	56.1	88.8	1794.0
1961	233.5	66.3	106.2	149.1	427.1	260.3	287.5	270.1	239.4	86.1	49.1	13.6	2288.4
1962	55.5	-1.0	-1.0	141.2	99.3	242.1	-1.0	415.2	120.2	68.8	149.2	145.5	-1.0
1963	86.0	30.6	54.8	299.8	215.8	256.6	302.7	286.4	200.5	148.2	150.6	121.5	2294.0
1964	94.3	135.7	58.5	101.2	306.6	242.0	170.2	215.8	203.7	96.4	88.3	140.8	1993.6
1965	93.2	190.9	70.3	209.0	198.3	332.2	222.7	277.5	91.6	188.7	153.0	102.9	2240.4
1966	32.5	38.7	122.6	177.6	268.2	337.1	297.3	138.8	93.8	90.9	58.4	246.7	1902.6
1967	150.0	98.0	122.0	66.0	454.0	161.0	241.0	328.0	143.0	154.0	81.0	-1.0	-1.0
1968	37.2	144.1	64.0	124.5	147.8	189.0	202.3	202.8	135.8	174.6	116.4	206.7	1745.6
MIN	15.8	12.9	14.2	42.3	82.2	93.0	119.7	96.5	70.6	30.2	36.2	13.6	1196.2
MAX	264.7	235.2	252.6	314.5	680.4	488.6	442.6	415.2	366.7	198.7	250.6	286.0	2553.8
PRDM	111.6	88.4	112.7	153.2	299.8	286.1	275.2	228.4	178.2	108.3	99.9	107.0	2019.8
DESV	69.7	53.1	69.4	79.2	152.9	104.7	80.0	85.1	72.3	49.4	58.6	71.4	323.2
CV	0.6	0.6	0.6	0.5	0.5	0.4	0.2	0.4	0.4	0.5	0.6	0.7	0.2

770.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORRIJIDOS

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1968	-1.0	143.5	-1.0	-1.0	-1.0	-1.0	132.2	132.2	68.4	-1.0	80.2	180.0	-1.0
MIN	0.0	0.0	14.0	19.0	63.0	96.0	41.0	47.0	2.0	5.0	9.0	0.0	1004.3
MAX	130.0	145.0	151.0	281.1	409.0	413.0	365.3	338.0	269.5	251.0	164.5	180.0	1950.4
PROM	47.6	46.9	62.5	109.5	195.0	226.9	186.5	164.3	109.3	70.6	59.3	57.6	1331.3
DESV	35.0	33.7	34.4	66.6	96.5	77.0	77.7	74.6	56.5	42.4	33.3	44.5	197.1
CV	0.7	0.7	0.6	0.6	0.5	0.3	0.4	0.5	0.5	0.6	0.6	0.8	0.1

172.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZCNA 8 HOYA 315 BUENO SUP 15124 (KM2) 278

EST 26 ISLA FRESIA EN L PUYENDE

LAT 4039 LON 7225 ALT 220 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	83.6	34.2	129.9	307.6	173.2	305.5	286.0	221.0	217.3	129.7	145.8	117.1	2150.9
1964	100.6	128.8	87.5	143.0	286.2	170.5	150.1	309.6	196.5	98.0	128.0	194.0	1992.8
1965	127.0	190.5	69.5	161.3	189.5	324.5	240.0	307.3	75.5	224.0	124.0	91.2	2124.3
1966	37.0	46.5	161.5	156.5	219.0	323.0	250.5	138.0	90.5	118.6	76.5	310.5	1928.1
1967	139.0	110.0	104.5	70.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	37.0	34.2	69.5	70.0	173.2	170.5	150.1	138.0	75.5	98.0	76.5	91.2	1928.1
MAX	139.0	190.5	161.5	307.6	286.2	324.5	286.0	309.6	217.3	224.0	145.8	310.5	2150.9
PROM	97.4	102.0	110.6	167.7	217.0	280.9	231.6	244.0	144.9	142.6	118.6	178.2	2049.0
DESV	40.2	63.8	36.1	86.4	49.9	74.1	57.8	81.8	72.3	55.8	29.6	98.4	106.2
CV	0.4	0.6	0.3	0.5	0.2	0.3	0.2	0.3	0.5	0.4	0.2	0.6	0.1

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS


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PRECIPITACIONES (MM)
*****
ZONA 8 HOYA 315 BUENO SUP 15124 (KM2)
EST 27 LAGO PUYEHUE
LAT 4042 LON 7235
*****
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
1966 22.0 38.0 106.0 99.0 239.0 322.0 228.0 163.0 72.0 90.0 59.0 207.0 1645.0
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PRECIPITACIONES (MM)

ZONA 8 HOYA 315 BUENO SUP 15124 (KM2) 775.

EST 28 SAGLUE

LAT 4041 LON 7312 ALI 42 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1917	-1.0	-1.0	-1.0	-1.0	104.8	275.8	121.9	164.0	174.6	50.1	69.8	87.1	-1.0
1918	66.5	19.0	156.0	195.3	-1.0	-1.0	154.7	141.0	132.8	76.6	161.7	21.4	-1.0
1919	50.4	63.4	117.8	178.0	479.3	142.9	312.2	137.6	121.1	18.8	128.5	53.6	1803.6
1920	59.7	31.6	170.0	196.5	307.7	125.4	106.8	132.5	148.4	95.9	118.9	40.7	1534.1
1921	-1.0	-1.0	-1.0	-1.0	-1.0	345.5	108.0	248.5	49.0	54.0	8.5	202.0	-1.0
1922	36.0	33.0	110.0	55.0	100.0	255.0	401.0	200.0	69.0	84.0	14.8	3.8	1361.6
1923	3.8	81.4	125.7	23.1	105.4	235.0	196.5	128.0	134.0	97.0	45.5	45.5	1220.9
1924	0.0	145.0	57.0	84.0	147.7	-1.0	189.0	79.0	92.0	37.0	15.0	54.0	-1.0
1925	-1.0	101.0	60.0	152.0	66.0	290.0	127.0	171.0	270.0	10.0	134.0	96.0	-1.0
1926	54.0	90.0	249.0	-1.0	185.0	345.0	160.0	167.0	-1.0	61.0	136.0	96.6	-1.0
1927	34.3	28.0	53.4	-1.0	-1.0	-1.0	-1.0	-1.0	178.3	20.6	74.5	-1.0	-1.0
1928	47.0	140.0	54.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	134.0	-1.0
MIN	0.0	19.0	53.4	23.1	66.0	125.4	106.8	79.0	49.0	10.0	8.5	3.8	1220.9
MAX	66.5	145.0	249.0	196.5	479.3	345.5	401.0	248.5	270.0	97.0	161.7	202.0	1803.6
PROM	39.1	73.2	115.3	126.3	187.0	251.8	187.7	156.9	136.9	55.0	82.5	75.9	1480.0
DESV	23.4	46.1	63.9	71.4	140.0	82.5	96.5	45.6	62.9	31.1	56.1	56.2	250.9
CV	0.6	0.6	0.6	0.6	0.7	0.3	0.5	0.3	0.5	0.6	0.7	0.7	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 8 HOYA 315 BUENO SUP 15124 (KM2) 776.
 EST 29 L PULLEHUE EN MUELLE
 LAT 4041 LON 7032 ALT 220 (MTS)

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

 1964 82.0 88.0 74.0 103.0 237.0 207.0 154.0 242.0 166.0 -1.0 74.0 120.0 -1.0
 1965 77.0 141.0 50.0 148.0 167.0 281.0 247.0 300.5 73.7 139.5 119.0 109.0 1852.7
 1966 22.5 37.7 70.3 99.0 239.4 321.2 227.9 163.2 71.6 115.8 59.4 199.1 1627.1
 1967 121.0 69.2 139.8 47.1 533.6 125.2 238.8 287.5 118.8 122.1 58.0 46.0 1907.1
 1968 28.8 132.4 13.4 60.0 58.4 59.2 130.7 151.2 169.3 150.7 71.1 74.9 1104.6

 MIN 22.5 37.7 13.4 47.1 58.4 59.2 130.7 151.2 71.6 115.8 58.0 46.0 1104.6
 MAX 121.0 141.0 139.8 148.0 533.6 321.2 247.0 300.5 169.3 150.7 119.0 199.1 1907.1
 PROM 66.3 93.7 69.5 91.4 247.1 198.7 199.7 228.9 119.9 132.0 76.3 109.8 1622.9
 DESV 40.9 43.3 46.1 39.8 176.3 108.1 53.4 69.1 47.5 16.0 24.9 57.8 366.2
 CV 0.6 0.5 0.7 0.4 0.7 0.5 0.3 0.3 0.4 0.1 0.3 0.5 0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 8

HOYA 315 BUENO

SUP 15124 (KM2)

777.

EST 30 CHALPILCO

LAT 4044 LON 7312 ALT 54 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1917	-1.0	-1.0	-1.0	-1.0	103.1	260.4	106.4	144.5	171.3	51.4	27.3	110.5	-1.0
1918	92.4	21.0	-1.0	-1.0	-1.0	196.6	184.7	146.2	136.1	86.0	167.2	11.0	-1.0
1919	51.2	66.0	79.4	184.2	441.0	151.0	344.0	140.8	110.5	30.2	104.6	126.6	1829.5
1920	67.3	27.3	152.7	105.6	307.2	119.3	85.4	133.0	102.4	90.9	112.8	17.9	1321.8
1921	102.0	-1.0	40.7	379.6	292.9	314.9	115.6	228.6	39.7	64.4	8.2	146.4	-1.0
1922	41.1	62.6	123.5	17.9	78.7	286.7	604.5	226.2	90.6	61.4	25.3	12.0	1630.5
1923	9.0	64.0	201.2	56.8	99.6	240.5	186.7	268.3	202.4	89.9	65.8	42.8	1527.0
1924	7.2	106.2	114.4	127.7	155.3	302.1	151.8	52.9	138.1	69.9	19.1	30.0	1274.7
1925	56.5	-1.0	63.1	185.0	91.7	251.2	-1.0	242.2	462.0	48.6	108.0	94.4	-1.0
1926	61.9	65.8	233.4	138.8	192.5	439.6	160.7	198.7	117.6	119.7	134.2	118.1	1981.0
MIN	7.2	21.0	40.7	17.9	78.7	119.3	85.4	52.9	39.7	30.2	8.2	11.0	1274.7
MAX	102.0	106.2	233.4	379.6	441.0	439.6	604.5	268.3	462.0	119.7	167.2	146.4	1981.0
PROM	54.3	59.0	126.0	149.4	195.8	256.2	215.5	178.1	157.1	71.2	77.2	71.0	1594.1
DESV	32.4	28.3	67.0	109.4	125.5	90.5	164.1	65.6	115.9	25.9	55.5	53.2	278.2
CV	0.6	0.5	0.5	0.7	0.6	0.4	0.8	0.4	0.7	0.4	0.7	0.7	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)---

ZONA 8

HOYA 315 BUENO
EST 31 ANTILLANCA
LAT 4045 LON 7230 ALT 1100 (MTS)

SUP 15124 (KM2)

778.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1965	364.9	477.6	171.5	596.0	653.0	747.4	490.0	-1.0	207.7	628.2	448.8	356.0	-1.0
1966	113.7	231.6	614.5	550.0	1153.0	389.5	433.0	501.5	447.1	438.5	309.0	951.5	6132.9

PRECIPITACIONES (MM)

ZONA 8

HOYA 315 BUENO

SUP 15124 (KM2)

EST 32 RUPANCO

LAT 4051 LON 7221 ALT 172 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1934	-1.0	-1.0	-1.0	52.0	199.0	413.0	189.0	129.0	109.0	89.0	22.0	49.0	-1.0
1935	45.0	64.0	113.0	60.0	323.0	403.0	121.0	166.0	183.0	90.0	103.0	138.0	1809.0
1936	49.0	51.0	102.0	193.0	334.0	256.0	254.0	162.0	138.0	77.0	41.0	179.0	1836.0
1937	15.0	132.0	158.0	60.0	155.0	259.0	241.0	168.0	58.0	72.0	142.0	51.0	1511.0
1938	53.0	19.0	102.0	92.0	194.0	305.0	218.0	119.0	284.0	269.0	156.0	57.0	1868.0
1939	170.0	86.0	55.0	88.0	365.0	305.0	123.0	277.0	144.0	232.0	78.0	89.0	2012.0
1940	63.0	122.0	61.0	266.0	425.0	273.0	290.0	70.0	111.0	96.0	92.0	154.0	2023.0
1941	2.0	59.0	35.0	124.0	210.0	245.0	438.0	300.0	95.0	98.0	120.0	112.0	1838.0
1942	75.0	85.0	141.0	142.0	212.0	208.0	248.0	302.0	131.0	54.0	54.0	70.0	1722.0
1943	8.0	43.0	144.0	126.0	251.0	224.0	298.0	86.0	205.0	94.0	75.0	0.0	1554.0
1944	49.0	66.0	71.0	112.0	156.0	452.0	268.0	495.8	153.3	312.4	75.4	20.4	2231.5
1945	22.3	94.3	203.9	165.7	574.5	282.8	400.2	372.1	165.8	58.1	148.6	148.0	2636.8
1946	94.7	121.3	39.7	115.5	286.1	186.2	266.0	105.4	394.5	216.5	240.4	41.0	2107.3
1947	133.5	70.0	40.0	91.1	308.5	334.0	102.3	176.2	183.0	63.5	100.0	76.5	1678.6
1948	81.0	15.0	71.5	151.0	140.0	283.5	282.0	112.0	241.5	114.0	29.5	103.5	1624.5
1949	67.0	176.0	188.0	158.0	459.5	448.5	106.5	85.0	68.5	5.0	24.5	65.5	1852.0
1950	21.5	64.5	140.5	188.0	290.5	367.0	173.5	298.0	181.0	76.5	107.0	66.0	1974.0
1951	146.5	55.5	39.0	66.5	576.0	302.5	324.0	215.0	236.0	107.0	163.5	72.5	2304.0
1952	26.0	85.0	351.0	67.0	216.0	136.5	250.0	156.0	126.0	43.0	90.0	19.0	1565.5
1953	218.0	61.5	118.0	77.0	502.5	244.0	315.0	338.0	382.0	96.0	50.5	65.5	2468.0
1954	33.0	59.8	15.0	219.0	248.0	210.0	373.0	218.0	183.0	130.0	98.0	169.0	1955.8
1955	84.0	109.0	27.0	244.0	82.0	368.0	242.0	258.0	99.0	23.0	52.0	286.0	1874.0
1956	169.0	37.0	115.0	133.0	129.0	222.0	249.0	213.0	127.0	103.0	57.0	13.0	1567.0
1957	95.0	6.0	78.0	38.0	315.0	153.0	375.0	249.0	135.0	97.0	72.0	85.0	1698.0
1958	64.0	35.5	43.0	223.5	470.0	288.0	353.0	177.0	194.5	11.0	174.0	25.0	2058.5
1959	106.0	64.0	212.0	302.0	216.0	131.0	224.0	127.0	151.0	182.0	45.0	15.0	1775.0
1960	140.0	51.0	127.0	189.0	158.0	246.0	227.0	135.0	138.0	112.0	52.0	75.0	1650.0
1961	182.0	64.0	55.0	110.0	300.0	353.0	238.3	219.1	213.5	41.4	45.0	5.1	1826.4
1962	49.5	8.9	63.1	131.5	78.8	215.0	81.2	281.0	73.4	78.0	114.7	87.8	1262.9
1963	51.2	41.6	68.4	218.4	160.5	222.7	211.8	173.6	126.4	106.5	139.4	99.4	1619.9
1964	94.0	61.0	46.0	84.0	239.0	144.0	200.0	-1.0	117.0	42.0	86.0	85.0	-1.0
1965	72.0	103.0	666.0	264.0	138.0	310.0	328.0	288.0	663.0	173.0	130.0	81.0	2015.0
1966	9.0	36.0	119.0	178.0	243.0	330.0	236.0	116.0	87.0	79.0	51.0	194.0	1678.0
1967	104.0	82.0	71.0	53.0	434.0	122.0	179.0	324.0	115.0	140.0	85.0	50.0	1759.0
1968	19.2	151.0	53.6	120.1	113.9	119.6	193.7	-1.0	-1.0	118.4	74.3	219.4	-1.0
MIN	2.0	6.0	15.0	38.0	78.8	119.6	81.2	70.0	58.0	5.0	22.0	0.0	1262.9
MAX	218.0	176.0	666.0	302.0	576.0	452.0	438.0	495.8	663.0	312.4	240.4	286.0	2636.8
PROM	76.8	70.0	115.7	140.1	271.5	267.5	246.3	209.4	176.8	105.7	91.1	87.6	1854.8
DESV	55.2	39.3	118.5	69.6	134.6	90.7	85.5	97.0	115.2	68.6	48.6	64.8	286.2
CV	0.7	0.6	1.0	0.5	0.5	0.3	0.3	0.5	0.7	0.6	0.5	0.7	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 8 HOYA 315 BUENO SUP 15124 (KM2)
 EST 33 RIO BONITO
 LAT 4052 LON 7227

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	-1.0	12.0	114.0	111.1	186.0	377.2	157.5	645.5	182.8	78.5	192.6	99.0	-1.0
1963	-1.0	-1.0	-1.0	-1.0	307.2	360.7	511.5	0.0	35.9	141.7	195.5	-1.0	-1.0
1964	124.5	138.5	200.5	277.5	560.5	431.1	337.8	423.0	288.0	152.0	141.9	229.2	3304.5
1965	258.2	338.5	75.7	356.4	302.2	495.3	417.7	374.7	174.2	255.0	153.5	156.5	3357.9
1966	78.9	151.5	277.6	267.2	542.5	593.3	351.9	288.5	198.5	248.2	89.5	365.0	3452.6
1967	259.0	99.5	204.9	121.9	508.9	307.5	423.1	507.1	359.2	282.6	129.4	149.7	3352.8
1968	68.5	406.6	140.3	186.5	428.0	326.9	307.3	215.4	221.9	361.1	202.3	269.2	3134.0
MIN	68.5	12.0	75.7	111.1	186.0	307.5	157.5	0.0	35.9	78.5	89.5	99.0	3134.0
MAX	259.0	406.6	277.6	356.4	560.5	593.3	511.5	645.5	359.2	361.1	202.3	365.0	3452.6
PROM	157.8	191.1	168.8	220.1	405.0	413.1	358.1	350.6	208.6	217.0	157.8	211.4	3320.4
DESV	94.4	150.3	73.0	96.7	142.9	101.8	111.5	209.1	100.8	97.1	41.5	96.6	117.2
CV	0.6	0.8	0.4	0.4	0.4	0.2	0.3	0.6	0.5	0.4	0.3	0.5	0.0

780.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 8 HOYA 315 BUENO SUP 15124 (KM2) 781.
 EST 34 PURRANGUE
 LAT 4056 LON 7309 ALT 112 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1918	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	86.0	154.5	15.9	-1.0
1919	23.2	65.8	74.5	146.0	424.0	159.0	252.0	111.0	106.0	28.0	88.7	38.4	1516.6
1920	46.5	30.0	155.5	164.6	417.4	151.0	99.0	143.5	98.0	109.4	103.6	38.1	1556.6
1921	104.2	92.5	35.8	291.4	254.0	292.0	69.5	155.5	30.7	18.0	5.5	180.7	1529.8
1922	26.4	13.5	60.0	59.5	114.0	185.0	379.5	228.0	67.0	90.5	35.5	18.5	1277.4
1923	14.0	110.0	171.5	44.0	99.0	230.5	106.5	199.0	150.0	110.5	46.0	39.0	1320.0
1924	-1.0	-1.0	-1.0	115.5	145.6	171.5	107.5	47.0	59.0	21.5	11.2	51.5	-1.0
1925	47.3	42.0	44.5	147.0	48.2	230.4	142.8	212.5	359.0	64.0	-1.0	70.0	-1.0
1926	130.0	14.5	265.0	287.3	271.0	400.7	152.0	174.0	76.0	109.0	88.0	100.0	2067.5
1927	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1928	47.0	44.5	127.5	137.0	105.5	-1.0	-1.0	-1.0	36.0	-1.0	-1.0	84.5	-1.0
1929	67.0	37.0	97.0	93.0	127.0	206.0	122.0	253.0	36.0	44.0	47.0	109.0	1238.0
1930	12.0	15.0	53.0	76.0	124.0	217.0	185.0	108.0	70.0	111.0	57.0	87.0	1115.0
1931	64.0	48.0	63.0	129.0	107.0	208.0	245.0	247.0	41.0	86.0	61.0	41.0	1340.0
1932	14.0	21.0	82.0	229.0	122.0	278.0	329.0	349.0	183.0	136.0	55.0	45.0	1843.0
1933	83.0	80.0	195.0	112.0	126.0	87.0	121.0	229.0	96.0	109.0	135.0	117.0	1490.0
1934	39.0	50.0	78.0	41.0	251.0	442.0	76.0	93.0	96.0	48.0	5.0	-1.0	-1.0
1935	-1.0	-1.0	-1.0	-1.0	270.0	454.0	46.0	42.0	62.9	59.0	-1.0	211.0	-1.0
1936	40.0	0.0	45.0	497.0	315.0	360.0	202.0	192.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	12.0	0.0	35.8	41.0	48.2	87.0	46.0	42.0	30.7	18.0	5.0	15.9	1115.0
MAX	130.0	110.0	265.0	497.0	424.0	454.0	379.5	349.0	359.0	136.0	154.5	211.0	2067.5
PROM	50.5	44.3	103.2	160.6	195.3	254.5	164.7	174.0	97.9	76.9	63.8	77.9	1481.3
DESV	34.3	31.5	66.5	117.5	114.5	108.4	95.0	81.8	81.1	37.0	45.8	55.8	276.5
CV	0.7	0.7	0.6	0.7	0.6	0.4	0.6	0.5	0.8	0.5	0.7	0.7	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 7 HOYA 314 TOLTEN SUP 8660 (KM2)
 EST 1 LOS LAURELES
 LAT 3859 LON 7216 ALT 190 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1939	-1.0	108.0	17.5	53.0	600.0	372.0	300.0	294.0	97.0	317.0	36.5	68.0	-1.0
1940	68.0	96.0	87.0	325.0	608.0	450.0	515.0	126.0	124.0	125.0	135.0	-1.0	-1.0
1941	-1.0	96.0	45.0	205.0	176.0	301.0	440.0	364.0	60.0	-1.0	-1.0	-1.0	-1.0
1947	112.0	53.0	82.0	91.0	421.0	593.0	187.0	268.0	219.0	115.0	103.0	109.0	2353.0
1948	80.0	15.0	82.0	179.0	287.0	281.0	456.0	214.0	346.0	108.0	21.0	115.0	2184.0
1949	23.0	134.0	226.0	165.0	633.0	507.0	196.0	117.0	75.0	25.0	82.0	162.0	2345.0
1950	5.0	38.0	134.0	259.0	457.0	431.4	184.0	399.0	150.0	112.0	138.0	92.0	2399.4
1951	182.0	54.0	53.0	79.0	522.0	400.0	297.0	175.0	155.0	81.0	129.0	49.0	2176.0
1952	9.0	42.0	239.0	41.0	253.0	174.0	189.0	183.0	111.0	91.0	59.0	4.0	1395.0
1953	168.0	32.0	50.0	51.0	447.0	212.0	330.0	411.0	291.0	68.0	25.0	54.0	2139.0
1954	15.0	52.0	4.0	184.0	343.0	228.0	405.0	364.0	141.0	77.0	47.0	129.0	1989.0
1955	46.0	94.0	45.0	154.0	105.0	344.0	128.0	215.0	29.0	17.0	23.0	183.0	1383.0
1956	180.0	24.0	185.0	175.0	199.0	144.0	224.0	98.0	111.0	87.0	81.0	11.0	1519.0
1957	53.0	0.0	15.0	67.0	242.0	203.0	276.0	393.0	88.0	143.0	80.0	145.0	1705.0
1958	59.0	36.0	12.0	160.0	361.0	319.0	226.0	213.0	127.0	66.0	119.0	13.0	1711.0
1959	102.0	11.0	102.0	335.0	203.0	118.0	259.0	192.0	220.0	232.0	21.0	8.0	1803.0
1960	82.0	4.0	70.0	70.0	194.0	272.0	255.0	170.0	70.0	195.0	57.0	62.0	1501.0
1961	172.0	31.0	52.0	66.0	277.0	227.0	444.0	227.0	259.0	68.0	46.0	20.0	1889.0
1962	95.0	0.0	54.0	97.5	87.0	305.0	92.0	377.0	135.0	40.0	161.0	24.0	1467.5
1963	22.0	46.0	127.0	168.0	176.0	321.0	247.0	401.0	207.0	220.0	144.0	38.0	2117.0
1964	94.5	98.5	63.5	68.0	294.0	292.0	226.5	278.0	171.5	188.0	78.5	208.5	2061.5
1965	62.0	138.0	30.0	189.0	237.5	344.5	308.5	443.0	105.5	172.5	245.5	146.5	2422.5
1966	8.5	43.0	106.0	185.0	223.0	416.0	300.5	292.5	106.0	165.0	53.5	240.5	2139.5
1967	132.0	105.0	68.5	50.0	370.0	169.5	498.5	359.0	219.0	215.5	76.0	60.5	2323.5
1968	0.0	116.0	-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	4.0	41.0	87.0	118.0	92.0	98.0	29.0	17.0	21.0	4.0	1383.0
MAX	182.0	138.0	239.0	335.0	633.0	593.0	515.0	443.0	346.0	317.0	245.5	240.5	2422.5
PROM	77.0	58.7	81.2	142.4	321.5	309.3	291.0	273.9	150.7	127.3	85.3	88.3	1953.5
DESV	59.1	42.8	62.9	84.4	156.9	117.8	115.4	105.1	77.5	75.3	55.3	69.9	353.2
CV	0.8	0.7	0.8	0.6	0.5	0.4	0.4	0.4	0.5	0.6	0.6	0.8	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 8 HOYA 315 BUENO SUP 15124 (KM2) 782.
 EST 35 CASMA
 LAT 4101 LON 7307 ALT 123 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1917	-1.0	-1.0	-1.0	-1.0	99.8	207.2	133.1	145.0	145.8	32.0	27.0	84.8	-1.0
1918	52.5	47.3	167.8	220.8	366.0	163.2	188.8	90.1	115.0	84.5	101.3	0.0	1597.3
1919	-1.0	-1.0	119.0	191.5	419.2	144.2	244.6	132.8	99.1	29.7	136.3	75.3	-1.0
1920	42.7	30.6	123.2	182.0	421.0	174.0	143.9	101.3	130.0	105.1	117.5	51.1	1622.6
1921	81.5	82.9	24.3	157.8	236.2	265.4	89.2	189.2	44.0	66.6	12.7	231.9	1481.7
1922	56.5	35.0	73.5	84.8	95.5	203.2	405.5	267.8	61.1	79.6	63.7	25.3	1451.5
1923	14.3	78.2	169.1	66.5	64.9	204.9	151.8	137.2	155.0	113.4	61.4	27.3	1244.0
1924	0.0	85.5	147.0	106.7	121.3	323.6	179.2	92.6	120.2	33.1	22.3	52.1	1283.6
1925	59.8	53.1	54.8	163.9	78.7	227.9	121.9	136.5	300.7	58.4	97.1	67.4	1420.2
1926	97.1	14.0	181.5	100.6	134.0	284.8	192.6	100.7	81.4	82.6	124.5	97.0	1490.8
1929	92.0	99.0	43.0	129.0	91.0	160.0	44.0	192.0	71.0	53.0	50.0	101.0	1125.0
1930	39.0	12.0	70.0	62.0	147.0	238.0	148.0	111.0	116.0	111.0	84.0	159.0	1287.0
1931	54.0	31.0	47.0	90.0	63.0	75.0	136.0	192.0	56.0	94.0	63.0	32.0	933.0
1932	26.0	40.0	64.0	279.0	60.0	317.0	230.0	207.0	109.0	119.0	76.0	72.0	1599.0
1933	79.0	65.0	99.0	135.0	131.0	168.0	118.0	191.0	58.0	102.0	110.0	139.0	1395.0
1934	71.0	31.0	96.0	44.0	145.0	277.0	176.0	100.0	106.0	59.0	37.0	67.0	1209.0
1935	30.0	73.0	57.0	40.0	266.0	363.0	61.0	152.0	131.0	102.0	70.0	98.0	1443.0
1936	19.0	27.0	73.0	101.0	319.0	190.0	154.0	116.0	126.0	56.0	34.0	135.0	1350.0
1937	40.0	99.0	124.0	40.0	150.0	217.0	132.0	170.0	120.0	55.0	137.0	19.0	1195.0
MIN	0.0	12.0	24.3	40.0	60.0	75.0	44.0	90.1	44.0	29.7	12.7	0.0	933.0
MAX	97.1	99.0	181.5	279.0	421.0	363.0	405.5	267.8	300.7	119.0	137.0	231.9	1622.6
PROM	50.3	53.2	96.3	121.9	179.4	221.2	160.5	148.6	112.9	75.6	75.0	80.7	1360.5
DESV	27.8	28.8	47.8	66.8	121.1	70.9	77.8	48.2	55.6	29.0	39.1	56.3	184.9
CV	0.6	0.5	0.5	0.5	0.7	0.3	0.5	0.3	0.5	0.4	0.5	0.7	0.1

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 8 HOYA 315 BUENO SUP 15124 (KM2)
 EST 36 OSORNO FACH
 LAT 4035 LON 7309 ALT 24 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1964	44.0	60.0	41.0	61.0	304.0	189.0	124.0	289.0	138.0	60.0	57.0	94.0	1462.0
1965	63.0	89.0	60.0	241.0	106.0	286.0	232.0	220.0	50.0	105.0	102.0	64.0	1618.0
1966	14.0	10.0	-1.0	151.0	175.0	251.0	175.0	92.0	78.0	72.0	30.0	162.0	-1.0
1967	60.0	102.0	50.0	68.0	300.0	92.0	279.0	339.0	107.0	158.0	6.4	27.0	1588.4
1968	10.0	263.0	34.2	96.7	79.3	90.6	155.8	152.3	77.1	99.6	75.3	178.6	1312.5
MIN	10.0	10.0	34.2	61.0	79.3	90.6	124.0	92.0	50.0	60.0	6.4	27.0	1312.5
MAX	63.0	263.0	60.0	241.0	304.0	286.0	279.0	339.0	138.0	158.0	102.0	178.6	1618.0
PROM	38.2	104.8	46.3	123.5	192.9	181.7	193.2	218.5	90.0	98.9	54.1	105.1	1495.2
DESV	25.0	95.2	11.2	74.6	105.6	89.6	62.0	99.8	33.6	38.0	37.4	64.3	139.3
CV	0.7	0.9	0.2	0.6	0.5	0.5	0.3	0.5	0.4	0.4	0.7	0.6	0.1

783.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 8 HOYA 315 BUENO SUP 15124 (KM2)
 EST 37 OSORNO OFICINA
 LAT 4035 LON 7309 ALT 24 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1960	60.0	36.0	107.0	75.0	132.0	200.0	-1.0	125.0	85.0	78.0	38.0	65.0	-1.0
1961	145.0	48.0	53.0	60.0	284.0	248.0	246.0	-1.0	192.0	29.0	-1.0	0.2	-1.0
1962	-1.0	-1.0	66.0	90.0	84.0	206.0	84.0	260.0	105.0	45.0	-1.0	-1.0	-1.0
1963	56.0	43.0	-1.0	-1.0	154.0	209.0	210.0	241.0	145.0	121.0	108.0	74.0	-1.0
1964	59.0	70.0	53.0	67.0	253.0	190.0	138.0	262.0	162.0	41.0	-1.0	67.0	-1.0
1965	98.0	64.0	270.0	140.0	322.0	345.0	339.0	60.0	-1.0	-1.0	-1.0	55.0	-1.0

PRECIPITACIONES (MM)

 ZONA 8 HOYA 315 BUENO SUP 15124 (KM2)
 EST 38 BARRO BLANCO CAMPEX
 LAT 4035 LON 7309 ALT 27 (MTS)

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

 1964 -1.0 75.0 -1.0 60.0 210.0 145.0 206.0 -1.0 128.0 33.0 -1.0 -1.0 -1.0
 1965 86.0 84.0 54.0 188.0 115.0 280.0 285.0 -1.0 -1.0 119.0 102.0 44.0 -1.0
 1966 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0
 1967 39.0 63.0 36.0 45.0 325.0 122.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0

785.

PRECIPITACIONES (MM)

ZONA 8 HOYA 316 PETROHUE SUP 3036 (KM2) 786.

EST 2 CASAPANGUE

LAT 4103 LON 7153 ALT 320 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1917	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	401.4	157.2	108.2	304.0	-1.0
1918	130.0	15.0	641.6	843.5	822.6	365.3	436.8	327.5	284.9	173.0	399.0	130.0	4569.2
1919	188.0	158.6	204.6	387.3	1031.0	104.0	457.3	294.0	261.8	120.6	488.7	216.0	3912.0
1920	144.0	20.0	444.0	254.0	642.2	404.1	218.0	355.0	146.0	-1.0	-1.0	-1.0	-1.0
1921	-1.0	-1.0	129.3	738.6	690.3	589.2	200.2	825.0	98.0	89.0	50.7	527.9	-1.0
1922	90.0	127.0	271.0	146.0	320.0	447.3	929.0	518.8	161.7	113.1	139.6	25.5	3289.0
1923	60.5	175.0	344.8	263.2	192.4	361.6	277.5	405.2	312.5	140.5	173.0	232.1	2938.3
1924	42.4	377.3	344.6	267.3	198.1	454.6	265.3	173.5	141.6	87.4	83.8	147.6	2583.5
1925	180.1	131.1	128.3	308.8	182.3	438.9	286.5	363.8	437.7	43.9	404.5	221.0	3126.9
1926	194.5	104.4	547.7	169.6	290.3	437.6	262.0	303.0	242.0	248.3	788.8	245.3	3833.5
1927	126.5	100.9	238.1	423.1	420.8	235.8	495.3	420.4	436.6	8.0	103.2	110.2	3118.9
1928	362.2	219.0	111.5	495.8	59.0	432.3	364.4	214.6	123.4	78.7	243.0	397.3	3101.2
1929	194.0	374.0	162.0	289.0	82.0	556.0	479.0	447.0	253.0	114.0	184.0	376.0	3510.0
1930	67.0	55.0	109.0	165.0	390.0	943.0	481.0	135.0	327.0	323.0	373.0	351.0	3719.0
1931	125.0	46.0	82.0	162.0	180.0	327.0	356.0	277.0	83.0	295.0	126.0	40.0	2099.0
1932	32.0	35.0	198.0	502.0	161.0	683.0	747.0	286.0	394.0	329.0	189.0	132.0	3688.0
1933	298.0	210.0	224.0	286.0	222.0	533.0	275.0	436.0	194.0	233.0	187.0	338.0	3436.0
1934	138.0	161.0	228.0	103.0	584.0	639.0	531.0	237.0	202.0	-1.0	-1.0	147.0	-1.0
1935	98.0	309.0	244.0	468.0	701.0	619.0	367.0	283.0	290.0	133.0	317.0	394.0	4223.0
1936	191.0	73.0	244.0	384.0	565.0	643.0	640.0	351.0	263.0	120.0	61.0	108.0	3643.0
1937	31.0	379.0	269.0	88.0	421.0	637.0	503.0	353.0	50.0	45.0	230.0	131.0	3137.0
1938	306.0	98.0	374.0	123.0	824.0	842.0	804.0	722.0	640.0	299.0	449.0	213.0	5694.0
1939	233.0	380.0	155.0	145.0	664.0	380.0	358.0	502.0	270.0	744.0	69.0	63.0	3963.0
1940	199.0	255.0	461.0	650.0	632.0	502.0	659.0	148.0	187.0	128.0	364.0	344.0	4529.0
1941	2.0	101.0	134.0	306.0	379.0	475.0	443.0	728.0	215.0	301.0	393.0	383.0	3860.0
1942	108.0	169.0	331.0	375.0	438.0	343.0	478.0	371.0	360.0	150.0	86.0	212.0	3421.0
1943	5.0	89.0	283.0	172.0	399.0	175.0	578.0	171.0	424.0	262.0	174.0	7.0	2739.0
1944	60.0	76.0	165.0	334.0	422.0	825.0	775.0	895.0	732.0	898.0	265.0	47.0	5494.0
1945	36.0	157.0	376.0	288.0	1045.0	420.0	825.0	391.0	231.0	133.4	336.0	266.0	4504.4
1946	169.0	226.0	58.0	206.0	495.0	130.0	515.0	127.0	573.5	425.8	628.5	96.9	3650.7
1947	335.5	78.7	82.4	117.7	536.4	745.6	181.0	364.0	306.3	101.2	211.1	269.0	3328.9
1948	252.5	39.4	-1.0	443.3	471.1	563.7	574.4	277.1	450.6	103.4	121.9	341.2	-1.0
1949	56.3	438.8	470.8	328.0	963.7	311.9	106.6	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	2.0	15.0	58.0	88.0	59.0	104.0	106.6	127.0	50.0	8.0	50.7	7.0	2099.0
MAX	362.2	438.8	641.6	843.5	1045.0	943.0	929.0	895.0	732.0	898.0	788.8	527.9	5694.0
PROM	143.7	167.0	259.9	319.8	482.0	486.4	464.6	377.5	296.7	213.2	258.2	219.9	3670.8
DESV	98.3	121.7	145.2	183.5	268.4	200.0	205.3	192.8	158.7	194.0	177.0	132.3	804.9
CV	0.7	0.7	0.6	0.6	0.6	0.4	0.4	0.5	0.5	0.9	0.7	0.6	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 8 HOYA 316 PETROHUE SUP 3036 (KM2)
 EST 3 PEULLA EN L. T. L. S.
 LAT 4106 LON 7201

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1966	37.0	121.0	365.0	245.0	651.0	550.0	402.0	258.0	60.0	195.0	118.5	563.0	3565.5
1967	243.0	131.0	212.5	78.0	826.5	250.0	505.0	675.5	261.3	322.2	162.1	129.7	3796.8
1968	50.7	347.3	110.9	114.9	180.9	242.0	386.2	409.6	330.3	274.9	-1.0	-1.0	-1.0

PRECIPITACIONES (MM)

 ZONA 8 HOYA 316 PETROHUE SUP 3036 (KM2)
 EST 5 PUNTA HUANO
 LAT 4108 LON 7217

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

 1967 228.0 125.0 140.0 91.0 593.0 251.0 359.0 532.0 303.0 275.0 97.0 139.0 3133.0
 1968 35.7 236.8 94.5 153.6 363.0 206.3 399.1 316.4 200.8 226.6 208.0 293.4 2734.2

788.

PRECIPITACIONES (MM)

 ZONA 8 HOYA 316 PETROHUE SUP 3036 (KM2) 789.
 EST 6 PETROHUE EN L TODOS L S.
 LAT 4108 LON 7225

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	23.5	41.5	182.5	527.5	326.5	592.9	499.0	382.5	378.0	191.5	190.5	184.5	3520.4
1964	109.5	236.4	170.0	222.0	629.0	468.0	358.5	523.7	340.0	169.5	98.2	250.5	3575.3
1965	195.0	392.5	125.0	322.5	346.5	855.8	738.0	503.5	158.0	339.5	254.5	140.5	4371.3
1966	56.0	98.0	261.5	251.5	896.5	809.0	574.0	349.5	194.5	197.0	70.0	411.0	4168.5
1967	297.0	157.0	146.5	61.8	870.5	277.7	555.5	715.5	313.8	332.0	164.0	158.8	4050.1
1968	65.7	211.3	162.4	155.2	346.1	98.5	469.7	444.7	354.5	313.8	193.2	286.0	3101.1
MIN	23.5	41.5	125.0	61.8	326.5	98.5	358.5	349.5	158.0	169.5	70.0	140.5	3101.1
MAX	297.0	392.5	261.5	527.5	896.5	855.8	738.0	715.5	378.0	339.5	254.5	411.0	4371.3
PROM	124.4	189.4	174.6	256.7	569.2	517.0	532.4	486.6	289.8	257.2	161.7	238.5	3797.8
DESV	103.2	122.7	47.0	159.5	268.2	296.9	126.4	130.7	91.1	79.0	67.6	101.0	477.9
CV	0.8	0.6	0.3	0.6	0.5	0.6	0.2	0.3	0.3	0.3	0.4	0.4	0.1

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 8 HOYA 316 PETROHUE SUP 3036 (KM2)
 EST 7 CAYUTUE
 LAT 4110 LON 7216 ALT 221 (MTS)

790.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1933	-1.0	-1.0	-1.0	-1.0	290.0	586.0	252.0	632.0	201.0	241.0	274.0	337.0	-1.0
1934	159.0	203.0	296.0	92.0	487.0	865.0	623.0	392.0	269.0	227.0	63.0	186.0	3862.0
1935	132.0	279.0	313.0	213.0	887.0	899.0	461.0	381.0	276.0	154.0	344.0	427.0	4766.0
1936	164.0	131.0	276.0	547.0	698.0	683.0	924.0	350.0	534.0	186.0	88.0	644.0	5217.0
1937	26.0	339.0	399.0	174.0	457.0	664.0	578.0	409.0	124.0	110.0	359.0	163.0	3802.0
1938	224.0	47.0	331.0	214.0	603.0	548.0	561.0	400.0	421.0	389.0	284.0	163.0	4185.0
1939	284.0	300.0	73.0	207.0	828.0	623.0	433.0	750.0	328.0	392.0	139.0	62.0	4419.0
1940	235.0	271.0	221.0	567.0	760.0	655.0	734.0	181.0	217.0	137.0	162.0	363.0	4503.0
1941	13.0	120.0	114.0	474.0	500.0	646.0	786.0	792.0	210.0	278.0	336.0	399.0	4668.0
1942	171.0	188.0	376.0	318.0	451.0	423.0	377.0	448.0	379.0	110.0	88.0	138.0	3467.0
1943	24.0	190.0	283.0	227.0	451.0	189.0	428.0	150.0	398.0	214.0	156.0	10.0	2720.0
1944	91.0	122.0	181.0	219.0	356.0	966.5	428.8	701.0	404.6	756.0	181.0	51.9	4459.0
1945	31.0	182.0	368.4	309.0	1002.0	502.0	865.0	684.4	188.8	202.3	254.9	238.0	4829.0
1946	180.0	221.3	119.1	318.0	450.0	230.0	723.0	251.0	754.0	429.5	587.0	177.0	4439.9
1947	400.0	123.5	131.8	194.8	804.0	843.0	248.8	335.4	341.0	126.8	216.8	232.0	3997.0
1948	187.0	45.5	157.3	360.5	298.0	653.0	545.0	255.2	532.9	201.0	128.5	334.0	3697.9
1949	94.5	503.0	551.0	483.0	1030.0	852.9	250.0	159.0	230.5	24.6	100.0	226.5	4505.4
1950	52.5	157.7	299.2	390.0	703.2	797.9	593.5	547.0	366.8	253.0	286.0	273.0	4719.8
1951	214.0	144.0	187.0	99.5	1323.0	765.3	523.0	357.0	417.4	257.0	356.6	138.7	4783.3
1952	67.0	152.5	508.3	114.1	527.5	224.5	585.0	369.5	344.6	120.7	141.6	47.3	3202.6
MIN	13.0	45.5	73.0	92.0	290.0	189.0	248.8	150.0	124.0	24.6	63.0	10.0	2720.0
MAX	400.0	503.0	551.0	567.0	1323.0	966.5	924.0	792.0	754.0	756.0	587.0	644.0	5217.0
PROM	144.7	195.8	272.9	290.6	645.3	630.8	546.0	427.2	346.9	240.4	227.3	230.5	4223.3
DESV	102.0	108.2	132.4	146.7	272.6	226.5	194.5	196.3	146.9	159.2	129.2	154.4	633.1
CV	0.7	0.6	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.7	0.6	0.7	0.1

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 8 HOYA 316 PETROHUE SUP 3036 (KM2)
 EST 8 LA ENSENADA
 LAT 4112 LON 7232 ALT 51 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1921	248.9	142.1	77.7	256.6	282.8	244.9	98.4	323.6	110.9	70.0	45.0	222.8	2123.7
1922	76.6	78.4	73.3	121.2	107.2	131.7	342.0	246.4	76.9	103.3	134.4	24.5	1515.9
1923	27.7	81.7	230.6	173.5	163.3	249.9	248.1	182.4	182.0	183.0	166.4	117.0	2005.6
1924	26.8	226.6	249.3	179.5	197.5	335.4	207.5	113.3	99.5	46.6	66.4	121.9	1870.3
1925	102.5	108.9	79.7	242.1	150.1	180.6	82.3	185.5	265.3	70.8	165.3	83.7	1716.8
1926	138.8	46.2	278.9	102.5	141.2	285.5	193.7	168.0	112.7	101.1	229.8	154.2	1952.6
1927	40.5	36.8	135.9	190.8	297.0	155.3	207.7	174.8	225.5	60.6	89.9	75.7	1690.5
1928	129.8	21.5	96.7	219.0	49.4	297.4	217.1	81.1	41.8	59.3	111.4	198.1	1522.6
1929	77.0	299.0	46.0	74.0	150.0	255.0	158.0	131.0	131.0	94.0	73.0	207.0	1695.0
1930	42.0	37.0	109.0	136.0	149.0	450.0	252.0	129.0	173.0	216.0	133.0	195.0	2021.0
1931	76.0	32.0	107.0	179.0	230.0	178.0	191.0	182.0	50.0	137.0	63.0	73.0	1498.0
1932	25.0	120.0	93.0	290.0	142.0	855.0	319.0	204.0	244.0	161.0	109.0	82.0	2644.0
1933	168.0	134.0	166.0	210.0	213.0	303.0	147.0	380.0	132.0	175.0	145.0	181.0	2354.0
1934	78.0	129.0	140.0	48.0	256.0	337.0	188.0	200.0	228.0	109.0	23.0	61.0	1797.0
1935	100.0	169.0	144.0	112.0	636.0	500.0	408.0	157.0	191.0	83.0	116.0	130.0	2746.0
1936	52.0	84.0	119.0	273.0	276.0	316.0	171.0	314.0	234.0	92.0	71.0	252.0	2254.0
1937	25.0	230.0	188.0	70.0	194.0	272.0	312.0	138.0	87.0	123.0	173.0	95.0	1907.0
1938	153.0	21.0	139.0	78.0	185.0	251.0	138.0	195.0	194.0	220.0	77.0	126.0	1777.0
1939	138.0	79.0	40.0	98.0	409.0	356.0	112.0	258.0	101.0	200.0	66.0	43.0	1900.0
1940	77.0	154.0	76.0	229.0	365.0	251.0	304.0	153.0	140.0	114.0	112.0	147.0	2122.0
1941	7.0	65.0	76.0	163.0	350.0	269.0	208.0	257.0	113.0	146.0	160.0	118.0	1932.0
1942	54.0	47.0	208.0	137.0	291.0	312.0	175.0	195.0	129.0	119.0	46.0	31.0	1744.0
1943	0.0	51.0	147.0	122.0	401.0	121.0	305.0	61.0	143.0	71.0	84.0	3.0	1509.0
1944	55.0	67.0	52.0	123.0	109.8	335.7	129.6	229.7	144.4	295.5	86.3	13.1	1641.1
1945	7.2	59.2	180.1	95.8	566.7	280.2	392.2	212.5	107.9	66.9	177.4	90.8	2236.9
1946	36.1	73.2	63.3	115.0	169.6	32.0	175.8	87.3	287.1	83.4	145.7	60.2	1328.7
1947	141.4	71.8	96.7	99.2	315.1	401.9	36.8	84.7	91.5	49.2	90.6	26.2	1505.1
1948	56.6	33.9	82.4	118.8	166.2	194.4	236.5	115.3	207.8	87.7	65.7	130.1	1495.4
1949	59.0	277.3	184.8	247.1	498.7	436.8	218.9	175.6	117.0	18.8	50.1	117.5	2401.6
1950	36.4	96.6	78.2	246.0	277.0	333.7	266.3	287.5	187.6	73.9	157.5	134.1	2174.8
1951	177.9	98.4	143.6	81.3	563.6	336.5	24.0	161.9	189.4	143.1	213.1	74.1	2428.1
1952	63.1	94.5	289.7	133.2	335.3	137.3	31.0	207.2	245.1	72.4	81.9	46.4	2022.9
1953	220.7	87.9	223.6	125.0	537.5	294.0	299.2	293.5	375.8	85.2	89.3	70.3	2702.0
1954	72.7	73.1	30.0	192.7	271.2	200.2	378.1	220.0	246.4	116.5	101.5	204.7	2107.1
1955	145.9	182.2	77.9	331.0	126.1	408.1	346.7	207.2	130.7	38.4	45.1	285.8	2325.1
1956	161.0	100.3	270.6	202.6	196.9	196.5	327.0	310.3	230.4	102.3	95.8	49.8	2243.5
1957	147.8	41.1	132.2	48.7	319.5	206.0	236.0	360.8	138.7	152.2	99.4	137.4	2019.8
1958	117.2	95.3	59.0	215.6	197.9	214.0	307.0	159.5	178.9	89.8	233.1	50.9	1918.2
1959	86.4	91.6	245.7	258.1	263.5	151.8	239.3	199.9	202.5	116.4	108.0	8.7	1971.9
1960	145.0	54.5	126.6	185.5	119.4	292.3	227.0	228.8	218.4	200.4	93.8	185.0	2076.7
1961	288.7	65.9	29.2	191.2	245.3	305.7	274.4	168.3	231.8	79.4	80.5	17.5	1977.9
1962	74.0	18.1	74.9	63.8	150.3	211.5	60.8	283.1	124.3	75.2	155.5	68.4	1359.9
1963	150.2	36.2	132.4	325.1	250.4	319.0	332.5	206.1	249.5	121.9	152.3	107.7	2383.3
1968	45.5	191.4	103.7	171.1	236.4	181.0	310.3	202.4	107.0	233.8	153.4	207.9	2143.9
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
MIN	0.0	18.1	29.2	48.0	49.4	32.0	36.8	61.0	41.8	18.8	23.0	3.0	1328.7
MAX	288.7	299.0	289.7	331.0	636.0	855.0	408.0	380.0	375.8	295.5	233.1	285.8	2746.0
PROM	94.3	97.8	129.5	165.3	262.5	281.3	235.0	200.7	168.6	114.9	112.2	109.7	1971.9
DESV	65.7	67.1	70.3	74.2	136.0	129.6	89.6	73.5	69.5	58.5	50.4	70.4	352.8
CV	0.7	0.7	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.6	0.2
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 7 HOYA 314 TOLTEN SUP 8660 (KM2) 737.

EST 2 CAMPAMENTO FREIRE

LAT 3859 LON 7238 ALT 123 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1918	72.0	4.8	167.0	329.8	315.9	320.5	324.5	171.5	164.3	47.0	288.7	23.2	2229.2
1919	29.5	39.0	48.0	198.3	385.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1920	-1.0	-1.0	-1.0	151.8	536.1	177.0	134.7	202.3	147.9	69.8	211.5	59.0	-1.0
1921	83.6	90.9	41.8	236.2	411.2	246.1	62.3	288.6	48.8	61.7	4.3	206.8	1782.3
1922	39.9	12.2	109.7	44.2	166.8	309.0	483.7	270.9	82.0	95.6	23.1	17.5	1654.6
1923	46.4	73.7	122.8	36.1	74.6	186.2	123.1	299.1	96.9	149.1	138.3	70.0	1416.3
1924	6.6	72.6	87.3	148.3	127.1	273.3	192.8	81.9	80.4	55.1	26.7	25.4	1177.5
1925	32.3	93.2	31.5	212.1	75.3	250.0	171.5	226.2	280.8	71.7	131.7	72.8	1649.1
1926	55.5	23.9	219.5	69.9	147.3	347.0	156.5	198.2	116.9	101.5	123.8	92.9	1652.9
1927	18.6	22.0	46.3	143.6	233.6	174.1	324.6	279.5	326.5	110.4	69.7	58.8	1807.7
1928	41.3	30.1	96.4	204.6	179.6	255.6	276.7	72.6	62.1	30.1	95.3	93.2	1437.6
1929	62.0	15.0	24.0	86.0	105.0	204.0	113.0	299.0	131.0	59.0	20.0	133.0	1251.0
1930	3.0	16.0	28.0	184.0	159.0	318.0	237.0	169.0	65.0	137.0	89.0	153.0	1558.0
MIN	3.0	4.8	24.0	36.1	74.6	174.1	62.3	72.6	48.8	30.1	4.3	17.5	1177.5
MAX	83.6	93.2	219.5	329.8	536.1	347.0	483.7	299.1	326.5	149.1	288.7	206.8	2229.2
PROM	40.9	41.1	85.2	157.3	224.4	255.1	216.7	213.2	133.5	82.3	101.8	83.8	1601.5
DESV	24.9	32.3	61.5	83.7	144.5	60.3	118.7	79.4	87.5	36.6	84.7	56.8	290.3
CV	0.6	0.8	0.7	0.5	0.6	0.2	0.5	0.4	0.7	0.4	0.8	0.7	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 8 HOYA 316 PETROHUE SUP 3 36 (KM2)
EST 9 NVA CORINTIA EN ENSENADA
LAT 4113 LON 7232

792.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1965	202.0	-1.0	98.0	-1.0	100.0	307.0	256.0	320.0	-1.0	-1.0	-1.0	-1.0	-1.0
1966	36.0	79.0	152.0	177.0	435.0	320.0	243.0	194.0	131.0	153.0	72.0	289.0	2281.0

PRECIPITACIONES (MM)

 ZONA 8 HOYA 316 PETROHUE SUP 3036 (KM2)
 EST 10 CAYETUE EN LAG TLS
 LAT 4114 LON 7217

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

 1964 191.0 209.0 209.0 200.0 753.0 526.0 403.0 629.0 400.0 222.0 155.0 -1.0 -1.0
 1965 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0
 1966 3.5 121.0 323.0 280.0 280.0 756.0 545.0 308.0 206.0 222.0 76.0 494.0 3614.5

793.

PRECIPITACIONES (MM)

ZONA 8 HOYA 317 COCHAMO SUP 0292 (KM2) 794.

EST 1 COCHAMO

LAT 4129 LON 7217

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1958	89.3	68.3	48.6	314.3	601.2	444.3	687.4	45.9	144.6	27.3	222.1	46.4	2739.7
1959	27.0	7.4	251.7	324.0	325.6	146.0	624.6	416.4	180.3	168.2	79.1	54.0	2604.3
1960	27.5	38.5	98.4	144.5	216.7	484.0	551.7	236.6	249.3	294.2	115.8	180.0	2637.2
1961	344.4	74.2	140.3	163.0	555.3	466.3	592.1	450.7	381.4	127.4	123.2	28.4	3446.7
1962	89.9	26.1	112.5	254.4	150.6	415.3	198.4	701.7	199.8	82.3	180.8	102.1	2513.9
1963	134.4	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1964	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1965	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	178.5	314.0	289.0	145.4	-1.0
1966	48.2	79.3	222.4	269.2	797.3	741.3	461.0	244.3	191.1	192.4	87.1	364.6	3698.2
1968	70.2	255.1	98.7	166.4	317.1	250.0	470.0	503.7	376.6	283.6	292.5	470.6	3554.5
MIN	27.0	7.4	48.6	144.5	150.6	146.0	198.4	45.9	144.6	27.3	79.1	28.4	2513.9
MAX	344.4	255.1	251.7	324.0	797.3	741.3	687.4	701.7	381.4	314.0	292.5	470.6	3698.2
PROM	103.9	78.4	138.9	233.7	423.4	421.0	512.2	371.3	237.7	186.2	173.7	173.9	3027.8
DESV	103.6	82.4	72.8	75.1	233.4	188.9	160.3	214.2	91.9	105.1	86.3	161.3	513.4
CV	1.0	1.1	0.5	0.3	0.6	0.4	0.3	0.6	0.4	0.6	0.5	0.9	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS