

PLUVIOMETRIA DE CHILE

ANEXO 1

HOYA HIDROGRÁFICA N° 312
Río Itata

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 1 de esta publicación.

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

Esta Publicación consta de un Tomo y dos Anexos.-

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

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

PRECIPITACIONES (MM)

 ZONA 6 HOYA 312 ITATA SUP 11633 (KM2)
 EST 1 LIRCAY
 LAT 3620 LON 7221

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1957	10.3	0.0	0.0	19.5	163.2	31.0	110.0	118.6	24.5	26.0	16.5	19.5	539.1
1958	0.0	0.0	34.0	37.0	160.0	214.0	39.0	145.0	70.5	3.4	15.0	0.0	717.9
1959	42.0	4.0	22.5	175.6	130.5	160.0	268.0	83.0	50.0	30.0	0.0	0.0	965.6
1960	0.0	0.0	15.5	25.0	51.0	304.3	114.2	45.7	54.7	33.5	0.0	0.0	643.9
1961	30.0	8.0	73.0	0.0	25.0	164.8	166.2	153.9	123.8	24.7	3.0	0.0	772.4
1962	0.0	0.0	4.0	38.0	20.7	122.0	13.6	67.2	17.2	28.5	9.8	0.0	321.0
1963	0.0	5.7	11.0	33.5	56.7	118.1	249.0	181.4	122.7	40.7	64.3	0.0	883.1
1964	-1.0	0.0	-1.0	0.0	40.0	-1.0	77.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1965	19.0	25.0	0.0	99.0	-1.0	107.0	260.0	126.0	75.0	-1.0	50.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	20.7	31.0	13.6	45.7	17.2	3.4	0.0	0.0	321.0
MAX	42.0	25.0	73.0	175.6	163.2	304.3	268.0	181.4	123.8	40.7	64.3	19.5	965.6
PROM	12.7	4.7	20.0	47.5	80.9	152.6	144.1	115.1	67.3	26.7	19.8	2.8	691.9
DESV	16.2	8.2	24.4	56.2	60.2	81.0	96.8	46.4	39.9	11.6	24.2	7.4	216.7
CV	1.3	1.7	1.2	1.2	0.7	0.5	0.7	0.4	0.6	0.4	1.2	2.6	0.3

633.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 6 HOYA 312 ITATA SUP 11633 (KM2) 634.

EST 3 QUILPOLEMU HDA

LAT 3623 LON 7239 ALT 300 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1946	-1.0	-1.0	-1.0	-1.0	129.3	116.4	108.7	34.3	95.6	27.9	18.2	26.2	-1.0
1947	2.3	0.0	17.7	51.4	57.4	286.7	97.3	70.9	100.9	36.4	10.8	3.5	735.3
1948	7.1	2.2	4.9	122.9	144.0	185.1	346.9	77.1	144.0	31.1	0.0	10.0	1075.3
1949	0.0	21.0	37.3	33.2	403.7	217.7	26.3	16.9	13.7	0.0	4.7	17.6	792.1
1950	0.0	0.7	30.2	142.1	355.0	224.2	62.8	272.9	121.9	40.1	80.4	3.8	1334.1
1951	42.9	0.0	3.1	6.4	247.4	390.5	297.7	64.0	61.4	13.5	45.3	10.2	1182.4
1952	0.0	2.1	36.8	0.0	176.5	142.1	129.3	38.8	29.3	37.1	14.2	0.0	606.2
1953	49.5	0.0	42.8	77.4	360.4	116.4	187.6	357.3	259.8	21.7	0.0	8.9	1481.8
1954	0.0	18.0	0.0	75.8	183.0	219.7	375.9	70.1	34.2	19.9	6.1	23.0	1025.7
1955	7.6	29.6	0.0	35.7	102.0	283.8	38.1	179.1	24.7	6.6	0.5	60.3	768.0
1956	54.2	7.3	106.9	86.0	94.2	73.6	204.1	81.4	67.3	17.0	3.5	0.0	795.5
1957	5.8	0.0	0.0	26.3	219.8	71.1	301.9	196.7	35.2	25.1	23.6	32.1	937.6
1958	0.0	0.0	14.7	38.8	324.8	270.5	72.4	222.1	115.5	9.1	28.6	0.0	1096.5
1959	60.1	1.5	34.8	264.4	102.5	191.7	248.1	89.5	97.5	43.1	0.0	0.0	1133.2
1960	34.6	0.0	45.6	28.2	47.0	464.3	167.7	33.7	60.3	77.8	5.6	0.0	964.8
1961	30.0	0.0	71.2	6.8	61.8	193.6	215.9	219.5	249.4	22.5	3.6	0.0	1074.3
1962	0.0	0.0	0.0	58.7	23.3	210.7	21.1	97.9	32.4	-1.0	-1.0	0.0	-1.0
1963	1.5	0.0	18.3	28.2	78.4	169.6	292.5	249.9	172.5	65.4	64.0	5.3	1145.6
1964	6.8	0.0	-1.0	10.2	42.0	143.5	64.5	138.9	13.3	12.3	22.1	81.1	-1.0
1965	8.9	34.0	9.8	169.8	-1.0	144.3	354.5	-1.0	-1.0	-1.0	-1.0	16.7	-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	15.0	24.0	0.0	17.0	228.0	65.0	136.0	135.0	50.0	31.0	22.0	15.0	738.0
1968	0.0	10.7	18.6	25.1	5.7	167.2	44.6	50.7	47.6	26.0	59.6	40.5	496.3
MIN	0.0	0.0	0.0	0.0	5.7	65.0	21.1	16.9	13.3	0.0	0.0	0.0	496.3
MAX	60.1	34.0	106.9	264.4	403.7	464.3	375.9	357.3	259.8	77.8	80.4	81.1	1481.8
PROM	15.5	7.2	24.6	62.1	161.2	197.6	172.4	128.4	87.0	28.2	20.6	16.1	965.7
DESV	20.5	11.1	27.6	65.4	120.3	98.5	116.7	93.5	70.8	18.8	23.8	21.3	255.2
CV	1.3	1.5	1.1	1.1	0.7	0.5	0.7	0.7	0.8	0.7	1.2	1.3	0.3

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 6 HOYA 312 ITATA SUP 11633 (KM2)

635.

LST 4 SAN CARLOS
 LAT 3625 LON 7157 ALT 172 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1918	-1.0	-1.0	58.5	192.4	251.0	235.3	138.8	138.3	59.9	3.1	188.0	0.0	-1.0
1919	0.0	30.0	10.3	181.9	355.4	226.3	271.9	109.0	255.1	10.0	45.7	12.0	1507.6
1920	1.3	0.0	69.7	13.3	361.7	242.5	148.9	58.6	52.8	45.5	43.2	32.3	969.8
1921	6.5	6.9	34.5	74.9	337.6	170.6	31.2	229.4	24.0	23.0	17.2	20.6	976.4
1922	40.9	0.0	42.8	5.5	110.0	594.3	305.0	214.7	89.7	71.8	1.3	0.0	1476.0
1923	0.0	28.0	47.4	0.0	24.5	338.1	213.7	212.9	40.5	135.2	37.5	25.3	1103.1
1924	0.0	39.3	60.0	6.5	60.7	136.1	114.2	40.5	108.0	2.8	3.0	0.0	571.1
1925	3.0	23.0	15.8	154.5	54.2	122.6	156.2	55.5	324.7	30.3	62.8	40.3	1042.9
1926	0.0	0.0	99.6	22.8	151.2	613.6	310.1	102.6	144.4	85.0	0.0	68.1	1597.4
1927	0.0	0.0	0.0	2.5	573.8	189.3	280.4	74.0	191.3	40.2	28.3	6.1	1385.9
1928	-1.0	34.6	-1.0	94.5	264.6	205.9	139.6	84.5	44.9	14.3	22.7	29.0	-1.0
1929	67.0	0.0	0.0	42.0	134.0	249.0	53.0	241.0	211.0	46.0	19.0	88.0	1150.0
1930	0.0	0.0	0.3	101.0	170.0	383.0	609.0	254.0	8.0	174.0	76.0	112.0	1887.3
1931	167.0	17.0	9.0	106.0	53.0	276.0	280.0	214.0	79.0	39.0	49.0	2.0	1291.0
1932	0.1	0.0	18.0	113.0	54.0	568.0	268.0	243.0	108.0	96.0	15.0	73.0	1556.1
1933	96.0	28.0	27.0	81.0	204.0	280.0	181.0	329.0	93.0	56.0	14.0	40.0	1429.0
1934	3.0	47.0	60.0	7.0	320.0	869.0	220.0	124.0	49.0	69.0	4.0	12.0	1784.0
1935	14.0	32.0	14.0	43.0	374.3	366.0	163.0	226.0	82.0	99.0	81.0	58.0	1552.3
1936	0.0	0.0	8.0	143.0	347.0	489.0	224.0	170.0	81.0	31.0	8.0	54.0	1555.0
1937	0.0	78.0	5.0	74.0	157.0	215.0	241.0	368.0	105.0	17.0	20.0	8.0	1288.0
1938	0.0	0.0	161.0	10.0	175.0	270.0	337.0	70.0	76.0	56.0	70.0	26.0	1251.0
1939	32.0	42.0	0.0	8.0	199.0	307.0	43.0	168.0	109.0	253.0	0.0	66.0	1227.0
1940	0.0	71.0	14.0	98.0	-1.0	-1.0	-1.0	80.0	142.0	108.0	81.0	73.0	-1.0
1941	0.0	27.0	141.0	45.0	227.0	225.0	483.0	290.0	57.0	49.0	174.0	63.0	1781.0
1942	0.0	37.0	22.0	40.0	160.0	155.0	292.0	387.0	85.0	46.0	22.0	0.0	1246.0
1943	0.0	0.0	59.0	47.0	365.0	114.0	140.0	119.0	301.0	4.0	22.0	0.0	1171.0
1944	2.0	16.0	0.0	65.0	253.5	352.0	124.0	561.0	72.0	187.0	30.0	0.0	1662.5
1945	11.0	114.0	69.0	103.0	400.0	85.0	229.0	147.0	135.0	14.0	63.0	7.0	1377.0
1946	99.0	25.0	13.0	72.0	217.0	154.0	276.0	192.0	129.0	41.0	114.5	38.0	1370.5
1947	2.0	0.0	12.5	43.0	72.0	390.0	101.5	121.0	161.5	61.0	10.5	0.0	975.0
1948	2.0	13.0	7.0	233.0	266.5	176.0	372.0	99.5	186.5	42.0	0.0	10.0	1407.5
1949	0.0	78.0	74.0	42.0	438.5	344.0	47.0	53.5	14.0	1.0	5.5	55.5	1153.0
1950	0.0	3.0	29.5	190.0	346.0	303.0	81.0	186.5	124.0	48.5	135.5	7.0	1454.0
1951	68.7	5.0	8.0	6.0	333.5	541.0	355.5	64.0	111.5	18.0	80.0	30.0	1621.2
1952	0.0	5.5	-1.0	0.0	200.0	196.0	119.0	56.0	44.5	48.0	-1.0	-1.0	-1.0
1953	75.0	5.0	34.0	109.0	519.0	145.0	322.0	338.0	452.0	37.0	5.0	26.0	2067.0
1954	0.0	31.0	0.0	63.0	256.0	289.5	326.5	86.5	37.5	38.5	13.0	35.0	1176.5
1955	14.5	56.0	0.0	73.5	114.0	283.5	37.5	178.5	15.5	13.5	5.5	37.5	829.5
1956	109.0	10.5	-1.0	88.0	175.0	56.0	199.0	83.0	57.0	39.0	20.5	0.5	-1.0
1957	17.5	0.0	2.5	17.0	192.0	75.5	159.5	221.0	49.5	41.5	22.5	30.0	828.5
1958	0.0	0.0	2.0	54.0	240.5	196.5	74.5	198.0	114.5	9.0	66.5	0.0	955.5
1959	43.5	10.5	34.5	299.0	177.5	217.5	292.0	136.0	86.0	86.5	0.0	0.0	1383.0
1960	43.0	0.0	47.5	37.5	66.5	422.0	143.0	63.5	51.6	64.5	3.5	0.0	942.6
1961	57.0	0.5	24.5	0.0	11.5	131.5	227.0	180.0	223.5	35.0	0.0	0.5	891.0
1962	0.0	0.0	4.0	48.5	55.5	222.5	32.0	100.5	40.0	51.5	3.5	0.0	558.0
1963	0.0	2.0	12.5	39.0	65.0	171.0	260.0	253.5	195.5	81.0	48.5	1.5	1129.5
1964	25.0	0.0	11.0	7.0	47.0	134.0	113.0	199.0	34.0	8.0	50.0	82.0	710.0
1965	17.0	50.0	-1.0	110.0	112.0	142.0	328.0	232.0	34.0	80.0	39.0	18.0	-1.0
1968	0.0	22.5	34.8	39.0	10.5	-1.0	74.4	70.1	43.1	102.4	44.8	60.4	-1.0
MIN	0.0	0.0	0.0	0.0	10.5	56.0	31.2	40.5	8.0	1.0	0.0	0.0	558.0
MAX	167.0	114.0	161.0	299.0	573.8	869.0	609.0	561.0	452.0	253.0	188.0	112.0	2067.0
PROM	21.6	20.6	31.0	70.3	209.4	273.8	204.9	171.9	108.8	56.2	38.9	28.1	1268.8
DESV	37.0	25.9	36.1	65.8	136.4	162.4	123.8	105.2	88.3	49.9	43.6	29.2	344.1
CV	1.7	1.3	1.2	0.9	0.7	0.6	0.6	0.6	0.8	0.9	1.1	1.0	0.3

PRECIPITACIONES (MM)

ZONA 6 HOYA 312 ITATA SUP 11633 (KM2)

EST 5 NINQUIHUE

LAT 3628 LON 7201

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1944	-1.0	-1.0	-1.0	-1.0	214.5	235.0	107.6	231.0	61.0	143.0	-1.0	-1.0	-1.0
1945	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1946	-1.0	-1.0	5.5	64.0	130.6	107.9	131.2	79.5	78.4	15.5	68.9	21.6	-1.0
1947	1.9	0.0	0.0	44.7	66.4	285.7	49.8	73.3	99.3	35.7	8.2	4.8	669.8
1948	0.0	11.5	0.0	153.3	147.7	145.3	305.9	68.2	143.3	38.9	0.0	26.3	1040.4
1949	0.0	38.0	65.2	35.0	358.7	229.5	31.5	34.5	17.0	6.5	25.2	63.9	905.0
1950	0.0	0.9	19.8	170.9	307.7	295.5	65.8	293.2	90.9	32.9	119.3	7.6	1404.5
1951	89.1	12.1	5.3	4.1	239.2	369.5	232.1	56.8	65.4	15.1	58.0	17.9	1164.6
1952	0.0	7.9	58.2	0.0	208.2	199.5	116.2	56.9	41.8	46.5	11.5	0.0	746.7
1953	59.5	6.5	35.1	96.3	497.9	98.1	195.8	326.1	284.4	41.9	6.5	24.7	1672.8
1954	0.0	-1.0	-1.0	83.7	264.6	267.3	376.6	94.9	-1.0	-1.0	-1.0	-1.0	-1.0
1955	4.2	55.5	0.0	62.9	59.0	376.5	56.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1956	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1957	53.0	0.0	11.0	5.1	182.2	78.7	198.1	243.4	29.4	12.4	37.0	33.8	884.1
1958	0.0	0.0	0.0	67.2	312.3	319.6	42.5	252.0	117.4	0.0	50.6	0.0	1161.6
1959	25.3	4.1	42.8	426.7	220.8	204.0	348.8	135.3	95.9	44.7	0.0	0.0	1548.4
1960	40.5	0.0	56.1	45.2	78.7	409.9	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1961	91.3	0.0	22.9	0.0	154.4	249.1	189.5	174.3	178.0	19.0	0.0	0.0	1078.5
1962	0.0	0.0	8.0	66.0	57.0	130.0	26.0	115.0	-1.0	105.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	57.0	78.7	26.0	34.5	17.0	0.0	0.0	0.0	669.8
MAX	91.3	55.5	65.2	426.7	497.9	409.9	376.6	326.1	284.4	143.0	119.3	63.9	1672.8
PROM	24.3	9.7	22.0	82.8	205.9	235.4	154.6	149.0	100.2	39.8	32.1	16.7	1116.0
DESV	33.9	16.6	23.5	104.4	119.1	101.2	114.8	96.5	71.2	39.3	36.7	19.2	320.2
CV	1.4	1.7	1.1	1.3	0.6	0.4	0.7	0.6	0.7	1.0	1.1	1.1	0.3

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA	6	HOYA	312	ITATA		SUP	11633	(KM2)						
		EST	6	SAN NICOLAS	RETEN									
		LAT	3628	LON	7218									

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1964	29.0	0.0	15.0	11.0	47.0	130.0	105.0	178.0	36.0	3.0	42.0	85.0	681.0
1965	20.0	30.0	11.0	100.0	92.0	134.0	350.0	255.0	32.0	74.0	51.0	21.0	1170.0
1966	0.0	0.0	0.0	121.0	81.0	335.0	154.0	166.0	59.0	33.0	17.0	129.0	1095.0
1967	26.0	0.0	-1.0	10.0	206.0	111.0	140.0	86.0	-1.0	52.0	20.0	24.0	-1.0
1968	0.0	15.0	35.0	43.0	5.0	95.0	45.0	72.0	69.0	43.0	36.0	92.0	550.0
MIN	0.0	0.0	0.0	10.0	5.0	95.0	45.0	72.0	32.0	3.0	17.0	21.0	550.0
MAX	29.0	30.0	35.0	121.0	206.0	335.0	350.0	255.0	69.0	74.0	51.0	129.0	1170.0
PROM	15.0	9.0	15.3	57.0	86.2	161.0	158.8	151.4	49.0	41.0	33.2	70.2	874.0
DESV	14.1	13.4	14.6	51.2	75.1	98.5	114.9	74.6	17.9	26.1	14.5	46.7	304.8
CV	0.9	1.5	1.0	0.9	0.9	0.6	0.7	0.5	0.4	0.6	0.4	0.7	0.3

637.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 6

HOYA 312 ITATA

SUP 11633 (KM2)

638.

EST 7 COLEMU

LAT 3629 LON 7242 ALT 27 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1918	-1.0	-1.0	2.4	119.1	158.8	181.7	129.0	73.0	50.7	6.1	153.1	0.0	-1.0
1919	0.1	20.9	7.8	174.9	323.1	495.6	441.1	136.1	285.2	17.9	23.4	21.6	1947.7
1920	0.0	0.0	48.5	90.7	489.7	247.0	118.1	130.2	227.1	-1.0	-1.0	-1.0	-1.0
1925	2.1	4.2	5.9	113.1	36.1	117.3	147.9	49.1	332.4	15.0	42.1	27.2	892.4
1926	5.2	1.7	127.7	7.8	153.0	508.6	398.9	95.9	125.0	77.4	11.0	23.1	1534.8
1927	0.0	4.6	3.1	10.7	197.8	200.5	231.9	69.8	285.5	51.7	18.3	5.9	1079.8
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	65.0	0.0	0.0	49.0	92.0	208.0	79.0	194.0	143.0	43.0	8.0	-1.0	-1.0
1930	-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
1931	42.0	0.0	17.0	96.0	67.0	372.0	295.0	119.0	65.0	86.0	41.0	0.0	1200.0
1932	0.0	0.0	16.0	103.0	65.0	597.0	-1.0	-1.0	-1.0	75.0	0.0	65.0	-1.0
1933	45.0	0.0	5.0	105.0	178.0	191.0	126.0	238.0	44.0	61.0	0.0	30.0	1023.0
1934	0.0	14.0	23.0	0.0	239.0	519.0	69.0	97.0	18.0	33.0	0.0	0.0	1012.0
1935	-1.0	-1.0	-1.0	-1.0	-1.0	258.0	122.0	-1.0	62.0	84.0	42.0	23.0	-1.0
1961	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.5	0.0	0.0	-1.0
1962	0.0	0.0	0.0	33.1	30.0	178.0	32.0	99.0	53.0	26.0	5.0	0.0	456.1
1963	0.0	4.0	14.5	40.5	90.0	174.0	245.0	262.0	135.5	75.5	75.0	13.0	1119.0
1964	8.0	0.0	2.5	12.0	49.0	127.5	-1.0	134.5	24.5	12.0	28.0	115.0	-1.0
1965	-1.0	44.0	12.5	127.5	132.0	144.0	365.0	319.0	66.0	36.0	89.5	16.5	-1.0
1966	0.0	0.0	2.8	94.0	46.5	339.2	199.8	204.0	35.3	14.5	9.5	116.1	1061.7
1967	46.0	0.0	0.0	15.0	133.0	34.5	17.0	41.0	64.0	0.0	0.0	12.0	362.5
1968	0.0	11.6	32.0	49.2	-1.0	139.8	52.9	40.0	46.9	31.7	41.2	55.2	-1.0
MIN	0.0	0.0	0.0	0.0	30.0	34.5	17.0	40.0	18.0	0.0	0.0	0.0	456.1
MAX	65.0	44.0	127.7	174.9	489.7	597.0	441.1	319.0	332.4	86.0	153.1	116.1	1947.7
PROM	13.3	6.2	17.8	68.9	145.9	264.9	180.6	135.4	114.6	39.3	30.9	29.1	1132.6
DESV	22.2	11.5	30.3	51.1	118.9	160.6	130.3	81.7	100.3	29.5	39.3	36.4	391.7
CV	1.7	1.9	1.7	0.7	0.8	0.6	0.7	0.6	0.9	0.8	1.3	1.3	0.3

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 6 HOYA 312 ITATA SUP 11633 (KM2) 639.

EST 8 LAS PATAGUAS

LAT 3631 LON 7240

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1939	0.0	0.0	0.0	21.0	350.0	210.0	-1.0	194.0	85.0	254.0	-1.0	-1.0	-1.0
1940	0.0	86.0	18.0	172.0	418.0	370.0	449.0	25.0	131.0	75.0	18.0	118.0	1877.0
1941	0.0	23.0	99.0	45.0	229.0	260.0	476.0	282.0	24.0	87.0	183.0	71.0	1779.0
1942	0.0	37.0	25.0	80.0	210.0	330.0	216.0	312.0	161.0	-1.0	40.0	-1.0	-1.0
1943	-1.0	-1.0	-1.0	52.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	21.0	210.0	210.0	216.0	25.0	24.0	75.0	18.0	71.0	1779.0
MAX	0.0	86.0	99.0	172.0	418.0	370.0	476.0	312.0	161.0	254.0	183.0	118.0	1877.0
PROM	0.0	36.5	35.5	74.0	301.8	292.5	380.3	203.3	100.3	138.7	80.3	94.5	1828.0
DESV	0.0	36.4	43.6	58.7	99.3	71.4	143.0	129.0	59.7	100.1	89.6	33.2	69.3
CV	-1.0	1.0	1.2	0.8	0.3	0.2	0.4	0.6	0.6	0.7	1.1	0.4	0.0

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 6 HOYA 312 ITATA SUP 11633 (KM2)

EST 9 SAN FABIAN

LAT 3634 LON 7136 ALT 500 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1956	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	149.0	30.0	18.0	-1.0
1957	27.0	4.0	14.0	41.0	358.0	135.0	269.0	402.0	89.0	73.0	90.0	83.0	1585.0
1958	0.0	0.0	0.0	90.0	351.0	376.0	184.0	295.0	239.0	24.0	127.0	0.0	1686.0
1959	61.0	14.0	158.0	592.0	195.0	217.0	391.0	181.0	259.0	87.0	3.0	0.0	2158.0
1960	64.0	0.0	99.0	81.0	73.0	534.0	237.0	89.0	86.0	175.0	17.0	21.0	1476.0
1961	73.0	8.0	76.0	10.0	60.0	352.0	353.0	239.0	454.0	15.0	0.0	7.0	1647.0
1962	2.0	0.0	15.5	50.2	59.3	337.1	60.0	194.9	80.6	95.9	9.0	0.0	904.5
1963	0.0	2.6	36.5	97.5	125.0	270.5	472.5	527.9	263.5	187.7	112.9	19.0	2115.6
1964	32.5	0.0	43.5	32.5	108.0	211.0	175.0	306.0	44.0	41.0	70.0	158.0	1221.5
1965	27.0	73.0	7.0	316.0	289.0	239.0	635.0	536.0	69.0	228.0	118.0	47.0	2584.0
1966	0.0	2.0	0.0	224.0	61.0	638.0	330.0	320.0	83.0	45.0	39.0	296.0	2038.0
1967	94.0	20.0	21.0	25.0	434.5	139.0	135.0	113.0	142.5	129.5	79.5	61.0	1394.0
1968	-1.0	52.0	48.0	52.5	14.0	156.0	97.0	122.0	113.5	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	10.0	14.0	135.0	60.0	89.0	0.0	15.0	0.0	0.0	904.5
MAX	94.0	73.0	158.0	592.0	434.5	638.0	635.0	536.0	454.0	228.0	127.0	296.0	2584.0
PROM	34.6	14.6	43.2	134.3	177.3	300.4	278.2	277.1	147.9	104.2	57.9	59.2	1710.0
DESV	33.7	23.6	47.3	169.7	144.0	157.3	167.4	151.5	123.8	69.5	47.3	87.7	479.5
CV	1.0	1.6	1.1	1.3	0.8	0.5	0.6	0.5	0.8	0.7	0.8	1.5	0.3

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

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PRECIPITACIONES (MM)
*****
ZONA 6 HOYA 312 ITATA SUP 11633 (KM2)
EST 10 LA RINCONADA
LAT 3636 LON 7220
*****
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
*****
1928 3.0 17.5 46.7 135.5 235.7 183.0 160.6 89.4 14.0 14.6 29.1 43.0 972.1
1929 80.0 0.0 0.0 38.0 117.0 229.0 40.0 246.0 152.0 24.0 23.0 84.0 1033.0
1930 0.0 0.0 19.0 147.0 126.0 385.0 513.0 208.0 19.0 159.0 86.0 98.0 1760.0
1931 93.0 4.0 28.0 89.0 154.0 339.0 231.0 171.0 95.0 84.0 46.0 6.0 1340.0
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PRECIPITACIONES (MM)

ZONA 6 HOYA 312 ITATA SUP 11633 (KM2)

EST 11 CHILLAN E A P RIEGO

LAT 3636 LON 7206 ALT 144 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1954	0.0	22.0	0.0	69.0	176.0	262.0	363.0	124.0	36.0	44.0	0.0	26.0	1122.0
1958	0.0	0.0	9.3	57.0	248.0	245.0	100.0	-1.0	124.0	9.6	58.0	0.0	708.5
1959	56.0	10.0	36.0	276.0	150.0	194.0	247.0	86.0	68.0	46.0	0.0	0.0	1169.0
1960	45.0	0.0	40.0	37.0	53.0	330.0	174.0	-1.0	60.0	85.0	-1.0	0.5	-1.0
1964	21.0	0.5	11.0	14.0	60.0	132.0	116.0	161.0	26.0	15.0	55.0	97.0	708.5
1965	21.0	45.0	11.0	99.0	90.0	188.0	302.0	218.0	46.0	144.0	84.0	-1.0	-1.0
1966	0.0	0.0	3.3	101.0	67.0	286.0	128.0	199.0	46.0	41.0	16.0	-1.0	-1.0
1967	30.0	48.0	12.0	24.0	214.0	104.0	122.0	137.0	105.0	71.0	26.0	-1.0	-1.0
1968	-1.0	21.0	-1.0	69.4	3.4	88.9	63.3	49.0	80.9	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	14.0	3.4	88.9	63.3	49.0	26.0	9.6	0.0	0.0	708.5
MAX	56.0	48.0	40.0	276.0	248.0	330.0	363.0	218.0	124.0	144.0	84.0	97.0	1169.0
PROM	21.6	16.3	15.3	82.9	117.9	203.3	179.5	139.1	65.8	56.9	34.1	24.7	962.6
DESV	21.4	19.3	14.6	78.5	82.6	84.0	101.9	59.8	32.5	43.3	32.2	41.9	219.9
CV	1.0	1.2	1.0	0.9	0.7	0.4	0.6	0.4	0.5	0.8	0.9	1.7	0.2

642.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 6 HOYA 312 ITATA SUP 11633 (KM2) 643.

EST 12 SAN IGNACIO DE PALOM
LAT 3638 LON 7234 ALT 15 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1940	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	58.0	55.0	45.0	14.0	-1.0
1941	0.0	19.0	62.0	81.0	167.0	197.0	613.0	244.0	10.0	22.0	84.0	49.0	1548.0
1942	0.0	3.0	14.0	34.0	110.0	78.0	251.0	267.0	47.0	16.0	24.0	0.0	844.0
1943	0.0	1.0	66.0	39.0	341.0	99.0	135.0	176.0	158.0	11.0	6.0	1.0	1033.0
1944	11.0	10.0	0.0	9.0	208.7	269.6	116.5	367.9	33.3	123.9	19.1	0.0	1169.0
1945	0.0	69.2	30.0	50.6	352.0	74.0	203.2	142.9	57.6	20.3	68.8	2.3	1070.9
1946	26.7	9.5	4.2	62.6	172.8	157.9	169.8	44.0	134.3	18.6	33.3	27.9	861.6
1947	1.5	0.0	28.1	37.1	98.8	346.8	122.6	89.0	125.4	52.0	15.0	4.3	920.6
1948	6.7	1.9	5.1	129.6	213.0	154.8	293.9	67.8	188.7	38.7	0.0	29.7	1129.9
1949	0.0	32.2	47.8	32.4	379.5	328.5	26.2	19.2	19.0	1.8	61.0	26.4	974.0
1950	0.0	0.0	19.0	162.2	385.6	201.5	65.9	329.6	119.4	28.3	94.6	1.5	1407.6
1951	52.2	2.6	4.0	0.0	250.7	431.7	269.2	102.2	45.9	11.6	71.6	11.5	1252.6
1952	0.0	3.6	66.7	4.0	218.0	161.6	123.1	46.0	49.6	51.2	12.4	0.0	736.2
1953	60.7	0.0	46.7	86.3	305.8	105.4	225.7	374.9	266.9	35.6	4.2	15.0	1527.2
1954	0.0	17.9	0.0	85.8	202.5	277.2	377.1	79.0	54.4	30.1	11.8	18.6	1154.4
1955	5.4	41.8	0.0	42.3	105.2	277.2	45.1	162.0	30.0	7.8	0.0	58.7	775.5
1956	65.2	4.0	133.1	109.8	164.5	103.7	174.5	69.0	62.3	21.3	2.1	2.0	911.5
1957	10.2	0.0	0.5	34.3	268.9	72.9	275.1	146.8	50.9	29.9	18.3	45.6	963.4
1958	0.0	0.0	8.6	32.3	332.0	260.1	159.8	174.3	133.8	6.9	58.7	0.0	1166.5
1959	48.7	2.3	36.6	257.8	137.3	222.7	345.5	95.0	67.2	75.3	0.0	0.0	1284.4
1960	52.6	0.0	103.9	37.5	41.1	454.7	203.6	76.3	62.0	77.2	5.9	1.0	1115.8
1961	45.0	0.6	137.4	0.0	86.7	192.4	251.6	233.5	187.4	35.0	10.0	0.0	1779.6
1962	0.2	0.0	8.0	88.3	24.8	209.4	24.5	115.0	34.6	51.1	11.1	0.0	567.0
1963	0.0	5.0	19.4	40.9	73.3	192.4	268.6	329.0	169.4	99.3	67.6	2.5	1271.4
1964	13.4	2.0	5.8	15.9	72.0	128.6	134.2	148.6	32.9	6.2	39.8	177.7	777.1
1965	12.5	35.2	10.0	164.1	123.3	204.3	365.3	332.3	44.6	58.6	84.8	13.8	1448.8
1966	0.0	0.0	1.2	143.9	71.4	321.0	257.4	193.6	47.1	16.8	22.8	105.0	1180.2
1967	26.0	28.0	6.8	18.0	256.0	115.0	141.0	138.0	72.0	58.0	16.0	20.0	894.8
1968	7.5	0.0	43.6	50.5	15.6	200.0	71.9	109.2	76.6	43.7	58.1	59.7	736.4
MIN	0.0	0.0	0.0	0.0	15.6	72.9	24.5	19.2	10.0	1.8	0.0	0.0	567.0
MAX	65.2	69.2	137.4	257.8	385.6	454.7	613.0	374.9	266.9	123.9	94.6	177.7	1779.6
PROM	15.9	10.3	32.4	66.0	184.9	208.5	203.9	166.9	84.1	38.0	32.6	23.7	1089.3
DESV	21.8	16.7	39.1	60.3	111.4	102.4	127.2	104.6	62.0	29.1	29.8	38.6	285.1
CV	1.4	1.6	1.2	0.9	0.6	0.5	0.6	0.6	0.7	0.8	0.9	1.6	0.3

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 6 HOYA 312 ITATA SUP 11633 (KM2)
 EST 13 LA PUMILLA
 LAT 3639 LON 7122 ALT 635 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1959	-1.0	-1.0	-1.0	-1.0	291.0	384.0	559.0	211.0	358.0	114.0	0.0	-1.0	-1.0
1960	60.0	0.0	94.0	79.0	165.0	421.0	-1.0	-1.0	127.0	223.0	23.0	41.0	-1.0
1961	104.0	-1.0	103.0	20.0	107.0	264.0	590.0	325.0	578.0	101.0	0.0	0.0	-1.0
1962	35.0	0.0	20.0	56.0	73.0	537.0	89.0	297.0	101.0	51.0	15.0	8.0	1282.0
1963	0.0	13.0	48.0	15.0	160.0	444.0	827.0	939.0	390.0	205.0	84.0	54.0	3179.0
1964	42.0	0.0	40.0	36.0	133.0	222.0	255.0	461.0	50.5	47.0	59.0	209.0	1554.5
1965	23.0	83.0	10.0	250.0	236.0	395.0	531.0	569.0	85.0	192.0	103.0	0.0	2477.0
1966	0.0	0.0	9.0	104.0	163.0	522.1	378.0	289.0	137.0	134.0	120.0	254.0	2110.1
1967	135.0	25.0	18.0	27.0	423.0	84.0	177.0	236.0	137.0	112.0	61.0	20.0	1455.0
1968	0.0	20.0	46.0	85.0	0.0	41.0	142.0	129.0	102.0	105.0	78.0	99.0	847.0
MIN	0.0	0.0	9.0	15.0	0.0	41.0	89.0	129.0	50.5	47.0	0.0	0.0	847.0
MAX	135.0	83.0	103.0	250.0	423.0	537.0	827.0	939.0	578.0	223.0	120.0	254.0	3179.0
PROM	44.3	17.6	43.1	74.7	175.1	331.4	394.2	384.0	206.5	128.4	54.3	76.1	1843.5
DESV	48.0	28.3	34.7	72.8	118.6	172.6	248.8	246.2	173.8	60.8	43.0	94.2	795.7
CV	1.1	1.6	0.8	1.0	0.7	0.5	0.6	0.6	0.8	0.5	0.8	1.2	0.4

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 6 HOYA 312 ITATA SUP 11633 (KM2)

EST 16 COLLIGUAY

LAT 3640 LON 7222 ALT 50 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1931	-1.0	-1.0	-1.0	79.0	70.0	272.0	216.0	102.0	50.0	61.0	14.0	1.0	-1.0
1932	2.0	2.0	9.0	91.0	23.0	532.0	227.0	213.0	43.0	135.0	3.0	75.0	1355.0
1933	76.0	12.0	10.0	120.0	186.0	193.0	126.0	215.0	43.0	41.0	1.0	27.0	1050.0
1934	1.0	16.0	42.0	14.0	192.0	495.0	90.0	76.0	29.0	36.0	2.0	0.4	993.4
1935	20.0	34.0	13.0	27.0	189.0	298.0	99.0	143.0	72.0	58.0	84.0	22.0	1059.0
1936	1.0	1.0	9.0	25.0	209.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	1.0	1.0	9.0	14.0	23.0	193.0	90.0	76.0	29.0	36.0	1.0	0.4	993.4
MAX	76.0	34.0	42.0	120.0	209.0	532.0	227.0	215.0	72.0	135.0	84.0	75.0	1355.0
PROM	20.0	13.0	16.6	59.3	144.8	358.0	151.6	149.8	47.4	66.2	20.8	25.1	1114.3
DESV	32.3	13.4	14.3	43.2	78.0	147.7	65.3	63.3	15.7	39.9	35.7	30.4	163.0
CV	1.6	1.0	0.9	0.7	0.5	0.4	0.4	0.4	0.3	0.6	1.7	1.2	0.1

645.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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*****
ZONA 6 HOYA 312 ITATA SUP 11633 (KM2)
EST 17 STA LUCIA
LAT 3640 LON 7227
*****
AND ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
*****
1935 -1.0 -1.0 -1.0 -1.0 107.0 335.0 145.0 151.0 73.0 79.0 56.0 64.0 -1.0
1936 3.0 3.0 20.0 154.0 387.0 236.0 193.0 173.0 -1.0 40.0 18.0 31.0 -1.0
1937 0.0 38.0 1.0 39.0 162.0 131.0 203.0 415.0 27.0 15.0 14.0 3.0 1048.0
1938 0.3 0.0 55.0 14.0 232.0 215.0 271.0 56.0 51.0 35.0 52.0 13.0 994.3
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PRECIPITACIONES (MM)

 ZONA 6 HOYA 312 ITATA SUP 11633 (KM2) 647.
 EST 18 ITATA EN NUEVA ALDEA
 LAT 3640 LON 7228

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1957	-1.0	-1.0	-1.0	-1.0	144.0	44.0	169.0	99.0	45.0	-1.0	22.5	30.0	-1.0
1958	5.0	-1.0	45.0	55.0	254.0	225.0	-1.0	120.0	40.0	10.0	103.0	0.0	-1.0
1959	27.0	-1.0	35.0	307.0	180.0	280.0	351.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1960	0.0	0.0	75.0	15.0	0.0	455.0	120.0	103.0	60.0	100.0	0.0	10.0	938.0
1961	45.0	-1.0	70.0	30.0	56.0	95.0	20.0	145.0	160.0	-1.0	-1.0	-1.0	-1.0
1962	0.0	0.0	0.0	33.0	15.5	127.0	29.5	116.0	39.5	22.0	21.5	0.9	404.9
1963	0.0	0.0	18.5	49.5	69.0	148.5	250.5	227.5	119.5	87.5	74.5	0.0	1045.0
1964	16.5	0.0	7.5	10.5	54.0	124.5	100.0	121.0	35.0	14.0	26.5	159.5	669.0
1965	14.0	32.5	13.0	117.0	154.5	149.0	341.5	307.0	51.5	75.0	72.0	17.5	1344.5
1966	0.0	0.0	3.5	107.0	101.0	276.0	124.5	184.5	40.0	22.0	27.5	108.0	994.0
1967	32.5	33.0	12.0	14.5	152.0	75.5	113.0	112.5	63.0	32.5	44.5	25.5	710.5
1968	5.0	-1.0	35.5	10.0	18.5	202.5	62.5	85.5	42.0	63.0	70.0	61.5	-1.0
MIN	0.0	0.0	0.0	10.0	0.0	44.0	20.0	85.5	35.0	10.0	0.0	0.0	404.9
MAX	45.0	33.0	75.0	307.0	254.0	455.0	351.0	307.0	160.0	100.0	103.0	159.5	1344.5
PROM	13.2	9.4	28.6	68.0	99.9	183.5	152.9	147.4	63.2	47.3	46.2	41.3	872.3
DESV	15.5	16.0	26.0	87.5	77.8	113.5	114.9	67.1	39.9	34.3	32.2	53.5	304.9
CV	1.2	1.7	0.9	1.3	0.8	0.6	0.8	0.5	0.6	0.7	0.7	1.3	0.3

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA	6		HOYA 312	ITATA	*****									SUP 11633 (KM2)
EST	21		BULNES	*****										
LAT	3645		LDN 7219	ALT	*****									83 (MTS)
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT	

1925	1.4	62.5	28.9	171.0	106.2	127.3	155.7	65.6	393.8	39.4	39.3	60.7	1251.8	
1926	12.2	1.5	145.2	23.4	138.3	433.9	346.3	145.2	113.1	55.6	6.0	50.7	1471.4	
1927	0.0	30.6	16.4	22.8	420.8	260.6	81.6	61.0	134.0	53.0	27.7	0.0	1110.5	
1928	0.0	0.0	19.2	31.9	272.6	100.5	76.0	27.7	9.6	2.4	18.8	4.2	562.9	
1929	23.0	0.0	0.0	13.0	42.0	115.0	19.0	146.0	122.0	29.0	18.0	78.0	605.0	
1930	0.0	0.0	19.0	117.0	173.0	359.0	480.0	183.0	12.0	128.0	87.0	130.0	1688.0	
1931	103.0	0.0	32.0	105.0	70.0	371.0	215.0	150.0	45.0	87.0	30.0	0.0	1208.0	
1932	0.0	0.0	28.0	107.0	29.0	439.0	244.0	257.0	100.0	116.0	20.0	79.0	1419.0	
1933	93.0	22.0	4.0	80.0	125.0	169.0	86.0	208.0	51.0	29.0	13.0	34.0	914.0	
1934	0.0	24.0	45.0	0.0	201.0	529.0	100.0	46.0	29.0	41.0	5.0	0.0	1020.0	
1935	17.0	28.0	9.0	36.0	179.0	161.0	89.0	104.0	55.0	48.0	56.0	65.0	847.0	
1936	0.0	4.0	9.0	112.0	308.0	200.0	187.0	107.0	67.0	37.0	12.0	34.0	1077.0	
1937	0.0	48.0	4.0	31.0	145.0	125.0	173.0	351.0	37.0	18.0	21.0	5.0	958.0	
1938	0.0	0.0	62.0	18.0	215.0	215.0	212.0	56.0	62.0	34.0	44.0	26.0	944.0	
1939	40.0	0.0	6.0	12.0	208.0	197.0	24.0	284.0	48.0	160.0	0.0	40.0	1019.0	
1940	0.0	92.0	11.0	108.0	293.0	321.0	394.0	20.0	80.0	55.0	34.0	23.0	1431.0	
1941	0.0	19.0	60.0	101.0	276.0	208.0	454.0	230.0	20.0	63.0	137.0	48.0	1596.0	
1942	0.0	21.0	24.0	50.0	135.0	137.0	212.0	344.0	50.0	47.0	24.0	0.0	1044.0	
1943	0.0	14.0	91.0	38.0	289.0	106.0	158.0	233.0	222.0	10.0	31.0	0.0	1192.0	
1944	6.0	13.0	0.0	23.0	183.0	298.0	149.0	365.0	56.0	140.0	41.0	0.0	1274.0	
1945	0.0	79.0	10.0	73.0	318.0	97.0	169.0	193.0	73.0	33.0	82.0	8.0	1135.0	
1946	34.0	20.0	3.0	72.0	181.0	208.0	148.0	92.0	144.0	20.0	44.0	50.0	1016.0	
1947	3.0	0.0	17.0	54.0	114.0	246.0	74.0	143.0	126.0	45.0	18.7	9.5	850.2	
1948	11.2	6.2	1.0	159.0	179.4	163.0	264.8	48.9	175.7	48.1	0.0	45.5	1102.8	
1949	0.0	44.5	40.0	44.0	349.9	282.0	26.1	29.5	16.9	0.0	12.9	29.5	875.3	
1950	0.0	0.1	8.8	207.8	346.3	192.9	69.5	189.8	161.7	33.8	83.1	0.0	1293.8	
1951	109.0	4.0	9.0	0.5	215.6	295.0	294.0	115.0	73.0	24.0	90.3	19.4	1248.8	
1952	0.0	0.0	70.5	0.0	163.0	154.0	111.0	45.0	42.9	76.9	16.5	11.1	690.9	
1953	79.0	23.4	23.0	114.0	326.0	68.0	201.0	307.0	296.4	40.1	8.7	10.1	1496.7	
1954	0.0	24.5	0.0	69.9	279.0	305.1	449.9	183.7	31.6	31.0	13.2	19.0	1406.9	
1955	11.3	44.0	0.5	48.5	103.9	230.0	53.5	171.7	50.3	3.9	0.0	82.5	800.1	
1956	65.4	10.0	132.7	92.5	214.1	65.2	224.9	77.1	51.7	34.4	13.5	0.2	981.7	
1957	16.0	0.0	0.0	45.5	195.4	66.0	197.0	173.5	61.5	23.1	24.2	49.0	851.2	
1958	0.2	0.0	11.8	39.0	329.7	244.3	93.7	145.7	136.5	16.5	42.4	0.0	1059.8	
1959	64.0	7.3	50.0	310.5	176.5	199.0	268.7	87.0	81.5	72.5	0.0	0.0	1317.0	
1960	45.7	0.0	38.5	44.5	24.9	372.7	170.0	44.5	71.2	114.5	32.5	1.0	960.0	
1961	52.8	0.0	65.0	2.4	65.2	180.5	203.3	190.6	179.0	44.3	3.0	0.0	986.1	
1962	0.0	0.0	9.6	51.3	49.0	305.8	30.8	112.0	27.2	62.5	15.7	0.0	663.9	
1963	0.0	10.0	12.5	52.9	73.5	179.9	325.5	246.7	109.4	68.7	75.8	1.8	1156.7	
1964	13.0	0.0	6.0	11.0	60.0	175.0	114.0	145.0	48.0	7.0	71.0	-1.0	-1.0	
1965	21.0	46.0	12.0	145.0	83.0	203.0	347.0	342.0	37.0	85.0	98.0	-1.0	-1.0	
1966	0.0	0.0	2.0	99.0	108.0	270.0	208.0	183.0	61.0	36.0	15.0	126.0	1108.0	
1967	32.0	38.0	20.0	22.0	205.0	68.0	134.0	138.0	71.0	73.0	35.0	28.0	864.0	
MIN	0.0	0.0	0.0	0.0	24.9	65.2	19.0	20.0	9.6	0.0	0.0	0.0	562.9	
MAX	109.0	92.0	145.2	310.5	420.8	529.0	480.0	365.0	393.8	160.0	137.0	130.0	1688.0	
PROM	19.8	17.1	26.9	68.8	185.3	219.6	186.8	157.8	89.1	50.8	34.0	28.5	1085.3	
DESV	30.7	22.7	33.4	62.4	100.4	108.4	119.5	95.2	76.1	37.1	31.5	34.0	264.3	
CV	1.5	1.3	1.2	0.9	0.5	0.5	0.6	0.6	0.9	0.7	0.9	1.2	0.2	

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 6 HOYA 312 ITATA SUP 11633 (KM2)
 EST 22 CANAL QUILLON
 LAT 3646 LON 7228 ALT 66 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1954	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	44.3	114.0	44.0	57.0	11.0	16.0	-1.0
1955	5.0	53.0	0.0	43.0	126.0	281.0	32.0	214.0	48.0	6.0	0.0	60.0	824.8
1956	90.0	9.0	168.0	101.0	244.0	76.0	243.0	74.0	56.0	39.0	2.0	0.0	1102.0
1957	10.0	0.0	0.0	39.0	387.0	61.0	326.0	129.0	80.0	19.0	15.0	40.0	1106.0
1958	0.0	0.0	14.0	49.0	355.0	281.0	194.0	205.0	166.0	11.0	47.0	0.0	1322.0
1959	73.0	7.0	56.0	261.0	156.0	240.0	369.0	126.0	80.0	82.0	0.0	0.0	1450.0
1960	43.0	0.0	82.0	39.0	48.0	322.0	196.0	52.0	62.0	49.0	5.0	0.0	898.0
1961	26.0	0.0	81.0	3.0	87.0	237.0	273.0	248.0	200.0	31.0	0.0	0.0	913.0
1962	0.0	0.0	6.0	55.0	27.2	223.0	13.0	132.0	51.0	28.0	13.0	0.0	548.2
1963	0.0	9.0	20.0	35.0	70.0	195.0	299.0	360.0	169.0	74.0	69.0	1.0	1301.0
1964	11.0	0.0	8.0	8.0	50.0	167.0	126.0	186.0	27.0	4.0	50.0	157.0	794.0
1965	19.0	32.0	5.6	154.0	96.0	195.0	395.0	416.0	36.0	69.0	90.0	16.0	1523.6
1966	0.0	0.0	0.0	100.0	118.0	-1.0	-1.0	169.0	45.0	0.0	20.0	85.0	-1.0
1967	11.0	33.0	4.0	14.0	185.0	129.0	117.0	102.0	55.0	53.0	16.0	17.0	736.0
1968	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	3.0	27.2	61.0	13.0	52.0	27.0	0.0	0.0	0.0	548.2
MAX	90.0	53.0	168.0	261.0	387.0	322.0	395.0	416.0	200.0	82.0	90.0	157.0	1523.6
PROM	20.6	11.0	34.2	69.3	149.9	200.6	202.1	180.5	79.9	37.3	24.1	28.0	1043.2
DESV	28.8	17.2	50.2	71.5	115.0	81.1	128.9	104.0	55.7	27.4	28.6	45.5	306.8
CV	1.4	1.6	1.5	1.0	0.8	0.4	0.6	0.6	0.7	0.7	1.2	1.6	0.3

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 6 HOYA 312 ITATA SUP 11633 (KM2) 650.

EST 23 EMBALSE DIGUILLIN

LAT 3648 LON 7153 ALT 800 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1959	-1.0	-1.0	-1.0	-1.0	277.0	361.0	542.0	228.0	0.0	122.0	8.5	-1.0	-1.0
1960	45.0	-1.0	78.0	35.0	81.0	680.0	271.0	129.0	109.0	210.0	56.0	28.0	-1.0
1961	80.0	0.0	78.0	20.0	118.0	267.0	481.0	395.0	424.0	109.5	2.0	0.0	1974.5
1962	0.0	0.0	25.5	89.0	101.0	387.5	120.0	237.5	137.2	79.0	14.0	1.0	1191.7
1963	1.0	7.0	51.0	120.0	150.6	334.5	473.0	593.7	298.5	159.5	144.5	19.5	2352.8
1964	72.5	11.0	35.0	34.0	104.0	228.0	208.0	362.5	90.5	43.0	78.5	173.0	1440.0
1965	0.4	110.6	86.5	304.0	309.5	288.0	607.0	508.2	89.6	274.0	83.0	190.0	2850.8
1966	-1.0	-1.0	12.0	135.5	170.6	581.5	350.7	405.8	73.6	152.0	63.5	393.7	-1.0
1967	162.0	52.0	19.5	26.7	265.3	103.0	104.3	260.9	167.5	182.0	82.1	36.6	2200.8
1968	1.0	44.4	70.6	81.0	37.5	168.0	136.7	188.2	129.5	135.4	118.2	165.6	1276.1
MIN	0.0	0.0	12.0	20.0	37.5	103.0	104.3	129.0	0.0	43.0	2.0	0.0	1191.7
MAX	162.0	110.6	86.5	304.0	309.5	680.0	607.0	593.7	424.0	274.0	144.5	393.7	2850.8
PROM	45.2	32.1	50.7	93.9	161.4	339.8	329.4	330.9	151.9	146.6	65.0	111.9	1898.1
DESV	58.0	40.5	28.6	89.3	92.5	177.3	187.4	147.8	122.6	65.9	46.9	131.4	620.2
CV	1.3	1.3	0.6	1.0	0.6	0.5	0.6	0.4	0.8	0.4	0.7	1.2	0.3

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 6 HOYA 312 ITATA SUP 11633 (KM2) 651.

EST 25 EL CARMEN

LAT 3650 LON 7221 ALT 15 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1929	117.0	0.0	0.0	49.0	91.0	292.0	69.0	280.0	185.0	29.0	11.0	57.0	1180.0
1930	0.0	0.0	21.0	147.0	149.0	545.0	650.0	108.0	14.0	144.0	75.0	150.0	2003.0
1931	78.0	6.0	26.0	74.0	86.0	303.0	220.0	224.0	60.0	148.0	53.0	2.0	1280.0
1932	9.0	0.0	26.0	122.0	29.0	607.0	293.0	161.0	52.0	119.0	15.0	48.0	1481.0
1933	112.0	21.0	21.0	62.0	267.0	261.0	133.0	314.0	104.0	67.0	0.0	60.0	1422.0
1934	2.0	42.0	47.0	2.0	327.0	451.0	158.0	84.0	48.0	76.0	4.0	6.0	1247.0
1935	31.0	20.0	-1.0	-1.0	318.0	321.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	2.0	29.0	261.0	69.0	84.0	14.0	29.0	0.0	2.0	1180.0
MAX	117.0	42.0	47.0	147.0	327.0	607.0	650.0	314.0	185.0	148.0	75.0	150.0	2003.0
PROM	49.9	12.7	23.5	76.0	181.0	397.1	253.8	195.2	77.2	97.2	26.3	53.8	1435.5
DESV	51.6	15.9	15.0	52.1	121.6	137.3	208.6	93.0	60.2	47.5	30.4	53.5	299.8
CV	1.0	1.2	0.6	0.7	0.7	0.3	0.8	0.5	0.8	0.5	1.2	1.0	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM) —
 ZONA 6 HOYA 312 ITATA
 EST 26 ATACALCO SUP 11633 (KM2)
 LAT 3653 LON 7145 ALT 900 (MTS)

652.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1930	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1931	92.1	27.7	10.4	187.1	117.6	523.9	485.8	448.0	187.3	319.0	194.0	220.1	-1.0
1932	5.0	0.0	73.2	224.5	86.0	833.7	625.6	355.1	250.8	209.2	108.7	5.0	2287.5
1933	0.0	67.6	77.0	166.8	268.0	399.6	229.0	613.8	161.5	153.0	19.0	63.3	2663.5
1934	-1.0	-1.0	136.5	103.5	570.5	1191.0	326.5	162.0	130.5	159.5	11.0	17.0	-1.0
1935	55.0	88.0	29.0	79.0	456.0	571.0	324.5	369.5	243.0	101.5	183.0	107.0	976.6
1936	2.0	6.5	25.0	334.0	740.0	560.0	388.0	393.5	173.0	70.5	105.5	43.0	2843.5
1937	0.0	277.0	33.0	202.0	365.0	492.5	477.0	612.5	171.5	72.0	93.5	22.0	2818.0
1938	7.5	-1.0	201.5	-1.0	454.0	317.0	637.5	242.5	260.0	126.0	281.5	15.5	-1.0
1939	115.0	61.5	18.0	45.5	715.5	451.0	143.5	447.0	139.0	373.5	7.5	31.5	2575.5
1940	13.5	125.5	43.0	373.5	723.0	670.0	724.0	59.0	181.0	101.5	200.5	710.0	3924.5
1941	-1.0	19.5	111.0	148.5	357.5	457.0	737.0	581.0	36.5	175.0	253.5	147.5	-1.0
1942	0.0	58.0	64.0	135.0	263.5	251.0	501.5	661.5	187.0	60.5	86.0	6.0	2279.0
1943	1.5	20.5	72.5	101.0	46.4	137.5	260.5	370.0	220.0	14.5	41.5	0.0	917.4
1944	33.5	69.0	1.0	77.5	441.5	428.0	299.0	759.5	161.0	413.5	105.0	0.0	2788.5
1945	20.0	190.5	153.5	159.0	606.0	222.0	659.0	420.0	192.0	121.0	263.0	46.0	3058.9
1946	128.0	83.0	14.0	153.0	245.0	236.0	327.0	141.0	238.0	103.0	245.0	5.5	1921.6
1947	26.0	6.0	21.0	125.0	215.0	544.0	196.0	204.0	260.0	106.0	24.0	69.0	1582.5
1948	21.5	0.0	10.0	368.0	271.0	433.0	756.0	177.0	444.0	119.0	4.0	111.0	2714.5
1949	3.0	119.0	137.0	73.0	895.0	480.0	81.0	130.0	51.0	4.0	38.0	187.0	2198.0
1950	0.0	18.0	100.0	386.0	572.0	450.0	162.0	715.0	185.0	147.0	222.0	23.0	2408.0
1951	304.0	28.0	66.0	23.0	544.0	714.0	452.0	234.0	328.0	59.0	139.0	48.0	2939.0
1952	32.0	17.0	152.0	3.0	397.0	344.0	303.0	180.0	150.0	99.0	31.0	49.0	1757.0
1953	142.0	40.0	44.0	219.0	936.0	240.0	362.0	793.0	518.0	158.0	24.0	37.0	3513.0
1954	0.0	62.0	0.0	234.0	510.0	339.0	711.0	293.0	108.0	57.0	34.0	78.0	2426.0
1955	33.0	73.0	0.0	134.0	158.0	632.0	83.0	438.0	98.0	31.0	16.0	225.0	1921.0
1956	143.0	45.0	330.0	238.0	356.0	110.5	609.0	180.0	143.0	81.0	83.0	16.0	2334.5
1957	32.5	0.0	13.0	100.0	393.0	289.5	457.0	638.0	107.0	127.0	167.0	91.0	2415.5
1958	0.0	10.0	-1.0	142.0	574.0	660.0	271.0	501.0	271.0	66.0	164.0	0.0	-1.0
1959	45.0	28.0	64.0	3.0	321.0	411.0	623.0	250.0	367.0	162.0	8.0	0.0	2282.0
1962	-1.0	-1.0	-1.0	56.0	79.0	440.0	91.0	304.5	120.0	94.0	17.0	1.0	-1.0
1963	1.0	7.5	44.0	127.0	174.0	360.0	499.0	579.0	290.0	192.0	172.0	18.0	2463.5
1964	78.0	7.0	42.0	29.0	163.0	186.0	280.0	392.0	104.0	61.0	97.0	208.0	1647.0
1965	75.0	94.0	28.0	323.0	412.0	323.0	544.0	519.0	101.0	295.0	173.0	114.0	2801.0
1966	0.0	6.0	8.0	181.0	203.0	391.0	648.0	420.0	333.0	109.0	55.0	406.0	2760.0
1967	113.0	49.0	29.0	-1.0	407.0	148.0	196.0	302.0	170.0	234.5	99.0	42.0	-1.0
1968	1.0	5.8	77.0	83.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	3.0	46.4	110.5	81.0	59.0	36.5	4.0	4.0	0.0	917.4
MAX	304.0	277.0	330.0	386.0	936.0	1191.0	756.0	793.0	518.0	413.5	281.5	710.0	3924.5
PROM	46.2	51.8	65.5	157.0	401.0	435.3	413.4	396.7	202.3	135.5	105.3	91.5	2373.2
DESV	65.3	59.6	69.2	105.8	227.3	215.8	206.2	195.6	104.6	93.7	85.4	137.2	663.6
CV	1.4	1.2	1.1	0.7	0.6	0.5	0.5	0.5	0.5	0.7	0.8	1.5	0.3

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA	6	HOYA	312	ITATA									SUP	11633	(KM2)	
		EST	27	BELLA ROSA												
		LAT	3652	LON	7204											

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	-1.0	-1.0	-1.0	-1.0	-1.0	135.3	331.5	329.3	168.7	105.3	62.0	4.5	-1.0
1964	37.8	6.0	9.0	13.0	68.0	205.7	238.8	207.8	55.8	15.0	56.0	185.3	1098.2
1965	25.5	45.0	14.0	154.8	75.5	-1.0	694.3	333.3	11.5	115.0	125.0	50.0	-1.0
1966	0.0	0.0	8.2	97.9	127.5	325.0	204.7	27.0	264.5	47.2	14.7	187.1	1303.8
1967	55.5	46.5	25.0	28.0	239.0	144.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	8.2	13.0	68.0	135.3	204.7	27.0	11.5	15.0	14.7	4.5	1098.2
MAX	55.5	46.5	25.0	154.8	239.0	325.0	694.3	333.3	264.5	115.0	125.0	187.1	1303.8
PROM	29.7	24.4	14.0	73.4	127.5	202.6	367.3	224.3	125.1	70.6	64.4	106.7	1201.0
DESV	23.3	24.8	7.7	65.7	78.9	87.4	224.5	143.9	114.1	47.7	45.5	93.6	145.4
CV	0.8	1.0	0.6	0.9	0.6	0.4	0.6	0.6	0.9	0.7	0.7	0.9	0.1

653.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 6 HOYA 312 ITATA SUP 11633 (KM2)

EST 28 LAS TRANCAS

LAT 3653 LON 7133

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	-1.0	4.0	-1.0
1962	14.0	0.0	8.0	111.0	77.0	523.0	25.0	307.0	125.5	73.0	32.0	3.0	1298.5
1963	3.5	13.0	59.0	124.5	183.0	296.0	655.5	591.0	395.5	202.5	173.5	33.0	2730.0
1964	60.5	8.5	62.0	33.0	213.0	214.5	128.0	95.0	93.0	80.0	81.0	267.0	1335.5
1965	84.0	116.0	6.5	401.0	361.0	521.5	553.0	418.5	46.0	181.0	171.0	169.5	3029.0
1966	0.0	13.0	21.0	241.0	223.0	502.0	536.5	292.0	169.0	93.5	61.0	521.0	2673.0
1967	168.0	65.0	57.5	35.0	480.0	97.0	77.0	255.5	138.0	231.5	133.0	75.5	1813.0
1968	0.0	51.0	101.5	51.5	47.5	124.0	160.5	259.5	103.5	157.0	145.5	204.0	1405.5
MIN	0.0	0.0	6.5	33.0	47.5	97.0	25.0	95.0	46.0	73.0	32.0	3.0	1298.5
MAX	168.0	116.0	101.5	401.0	480.0	523.0	655.5	591.0	395.5	231.5	173.5	521.0	3029.0
PROM	47.1	38.1	45.1	142.4	226.4	325.4	305.1	316.9	152.9	145.5	113.9	159.6	2040.6
DESV	62.7	41.9	34.8	135.2	152.1	189.1	264.7	154.1	113.7	63.6	55.9	175.7	747.8
CV	1.3	1.1	0.8	0.9	0.7	0.6	0.9	0.5	0.7	0.4	0.5	1.1	0.4

654.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 6 HOYA 312 ITATA SUP 11633 (KM2) 655.

EST 29 FDO SAN LORENZO DIGU

LAT 3655 LON 7140 ALT 920 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1961	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	48.0	5.0	3.0	-1.0
1962	3.5	0.0	23.0	70.5	102.5	372.5	28.5	190.0	102.5	120.5	19.0	0.0	930.0
1963	3.0	9.0	49.0	130.5	183.0	358.0	504.0	429.5	246.0	186.0	178.0	20.0	2296.0
1964	76.0	10.0	46.0	28.0	162.0	276.0	292.0	376.0	110.0	60.0	76.0	224.0	1736.0
1965	70.5	91.5	33.5	296.5	482.0	354.0	591.0	462.0	100.0	300.5	173.0	110.5	3065.0
1966	0.0	8.5	20.5	186.0	200.0	737.5	487.0	433.0	132.5	114.0	58.5	407.0	2784.5
1967	178.5	60.5	29.0	33.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	20.5	28.0	102.5	276.0	28.5	190.0	100.0	48.0	5.0	0.0	930.0
MAX	178.5	91.5	49.0	296.5	482.0	737.5	591.0	462.0	246.0	300.5	178.0	407.0	3065.0
PROM	55.3	29.9	33.5	124.2	225.9	419.6	380.5	378.1	138.2	138.2	84.9	127.4	2162.3
DESV	69.7	37.2	11.8	103.8	147.8	181.7	225.1	109.6	61.6	93.6	74.7	161.9	854.4
CV	1.3	1.2	0.4	0.8	0.7	0.4	0.6	0.3	0.4	0.7	0.9	1.3	0.4

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 6 HOYA 312 ITATA SUP 11633 (KM2)

EST 30 GENERAL CRUZ

LAT 3655 LON 7220 ALT 100 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	-1.0	-1.0	-1.0	-1.0	-1.0	144.0	25.5	103.4	42.5	49.0	15.5	0.0	-1.0
1963	0.0	0.8	14.8	57.0	80.0	179.2	274.1	224.5	133.0	75.0	65.0	3.0	1106.4
1964	20.0	0.0	4.1	12.0	45.0	81.8	131.2	180.2	86.1	0.0	37.7	128.2	726.3
1965	55.0	35.0	10.0	145.1	120.4	139.7	322.3	279.7	28.0	66.0	114.0	22.0	1337.2
1966	0.0	0.0	1.0	46.0	53.0	133.0	206.2	87.0	126.6	34.0	23.0	329.0	1038.8
1967	86.0	62.0	26.0	16.5	243.1	195.0	173.0	343.0	215.0	200.0	35.0	0.0	1594.6
1968	0.0	22.5	20.0	25.0	25.0	313.0	127.0	114.7	68.8	43.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	1.0	12.0	25.0	81.8	25.5	87.0	28.0	0.0	15.5	0.0	726.3
MAX	86.0	62.0	26.0	145.1	243.1	313.0	322.3	343.0	215.0	200.0	114.0	329.0	1594.6
PROM	26.8	20.0	12.6	50.3	94.4	169.4	179.9	190.4	100.0	66.7	48.4	80.4	1160.7
DESV	36.1	25.2	9.5	49.6	80.0	72.9	99.1	97.1	64.1	63.5	36.3	131.5	326.3
CV	1.3	1.3	0.8	1.0	0.8	0.4	0.6	0.5	0.6	1.0	0.8	1.6	0.3

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM) —

ZONA 6 HOYA 312 ITATA SUP 11633 (KM2)

EST 31 HDA PEÑUELAS

LAT 3656 LON 7226 ALT 100 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1929	76.0	0.0	0.0	25.0	116.0	265.0	62.0	229.0	149.0	23.0	20.0	66.0	1031.0
1930	0.0	0.0	15.0	167.0	110.0	303.0	401.0	215.0	24.0	106.0	86.0	63.0	1490.0
1931	118.0	3.0	26.0	79.0	61.0	354.0	218.0	97.0	50.0	71.0	14.0	0.0	1091.0
1932	-1.0	0.0	-1.0	-1.0	-1.0	561.0	241.0	249.0	73.0	88.0	10.0	120.0	-1.0
1933	97.0	7.0	15.0	104.0	215.0	236.0	124.0	210.0	47.0	41.0	2.0	39.0	1137.0
1934	0.0	27.0	44.0	17.0	206.0	546.0	111.0	72.0	40.0	48.0	1.0	3.0	1115.0
1935	40.0	39.0	14.0	25.0	211.0	245.0	120.0	168.0	76.0	74.0	90.0	21.0	1123.0
1936	2.0	7.0	10.0	133.0	278.0	202.0	172.0	109.0	60.0	21.0	23.0	23.0	1040.0
1937	0.0	41.0	3.0	32.0	116.0	84.0	185.0	409.0	23.0	12.0	13.0	7.0	925.0
1938	0.0	0.0	62.0	23.0	179.0	163.0	294.0	41.0	55.0	49.0	68.0	4.0	938.0
1939	31.0	41.0	4.0	6.0	212.0	205.0	65.0	266.0	88.0	161.0	0.0	28.0	1107.0
1940	2.0	90.0	10.0	119.0	298.0	321.0	350.0	28.0	81.0	46.0	42.0	24.0	1411.0
1941	0.0	20.0	57.0	71.0	185.0	193.0	462.0	238.0	10.0	33.0	120.0	42.0	1431.0
1942	0.0	1.0	15.0	39.0	110.0	78.0	207.0	295.0	44.0	13.0	27.0	0.0	829.0
1943	0.0	1.0	9.5	3.3	302.0	50.0	105.0	141.0	142.0	6.0	12.0	0.0	771.0
1944	16.0	9.0	2.0	14.0	141.6	250.3	88.4	367.6	46.9	92.4	19.7	0.0	1047.9
1945	4.3	85.0	17.1	43.6	224.0	81.4	182.1	112.6	47.3	11.9	70.5	3.8	883.0
1946	23.9	15.0	4.5	54.0	141.5	187.4	133.3	63.2	129.8	19.9	73.8	101.7	948.0
1947	2.3	0.0	30.3	52.1	111.8	297.2	99.9	77.4	114.5	77.9	17.4	15.0	895.8
1948	9.2	0.0	6.6	184.3	191.7	137.8	253.8	63.0	188.0	47.0	0.0	27.5	1108.9
1949	0.0	33.8	72.0	19.4	302.0	276.3	30.9	25.8	22.9	2.5	7.6	36.6	829.8
1950	0.0	1.7	17.7	159.0	348.6	234.9	57.7	-1.0	118.0	44.3	99.4	2.3	-1.0
1951	78.8	6.9	-1.0	1.9	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	1.9	61.0	50.0	30.9	25.8	10.0	2.5	0.0	0.0	771.0
MAX	118.0	90.0	72.0	184.3	348.6	561.0	462.0	409.0	188.0	161.0	120.0	120.0	1490.0
PROM	22.7	18.6	20.7	62.3	193.3	239.6	180.1	165.6	74.1	49.4	37.1	28.5	1057.6
DESV	36.1	26.1	20.8	57.0	78.7	131.2	115.5	111.9	47.5	38.9	37.4	33.3	199.9
CV	1.6	1.4	1.0	0.9	0.4	0.5	0.6	0.7	0.6	0.8	1.0	1.2	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 6 HOYA 312 ITATA SUP 11633 (KM2)
 EST 32 FDO VALENCIA MON AGU
 LAT 3704 LON 7218

658.

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	-1.0	-1.0	-1.0	-1.0	-1.0	34.0	-1.0
1940	3.0	91.0	14.0	158.0	275.0	279.0	322.0	34.0	73.0	31.0	50.0	28.0	1358.0
1941	0.0	22.0	56.0	76.0	191.0	186.0	451.0	227.0	10.0	60.0	117.0	48.0	1444.0
1942	0.3	3.0	18.0	61.0	121.0	97.0	218.0	313.0	91.0	25.0	40.0	0.0	987.3
1943	0.0	2.0	113.0	36.0	302.0	65.0	116.0	166.0	166.0	9.0	15.0	0.0	990.0
1944	14.0	18.0	0.0	13.0	180.3	247.8	89.3	350.8	40.1	103.5	51.3	0.0	1108.1
1945	2.2	99.1	36.4	77.4	346.3	96.2	228.2	134.6	76.6	21.4	83.9	12.4	1214.7
1946	31.3	32.7	4.2	71.1	218.8	172.9	147.0	68.7	134.5	26.6	71.0	65.3	1044.1
1947	1.5	0.0	60.9	56.7	126.3	272.7	94.0	80.8	143.0	91.4	20.5	24.4	972.2
1948	18.9	0.9	14.4	182.2	167.6	155.4	254.5	70.1	206.8	53.5	0.2	45.2	1169.7
1949	0.0	40.8	94.6	19.8	348.6	297.6	31.1	28.4	22.1	1.6	8.6	73.7	966.9
1950	0.0	4.6	22.9	192.5	381.0	246.0	46.5	262.8	138.0	30.0	98.4	13.2	1435.9
1951	93.8	14.3	10.1	2.1	320.7	395.3	349.4	102.0	103.5	114.1	101.8	21.6	1528.7
1952	0.0	11.9	100.0	2.8	190.8	177.7	137.4	51.8	49.0	82.5	17.8	0.0	821.7
1953	96.7	5.9	55.7	67.2	337.9	108.9	245.1	298.6	222.1	27.4	13.9	13.8	1493.2
1954	0.4	35.2	2.8	122.2	195.4	285.7	383.2	167.1	59.6	49.1	11.0	14.3	1326.0
1955	12.3	35.6	0.0	50.9	105.0	189.1	28.6	207.0	46.4	5.2	0.0	50.0	730.1
1956	82.8	7.9	152.7	92.1	144.1	66.1	187.9	73.9	67.5	51.4	4.3	0.4	931.1
1957	17.0	0.0	5.0	17.6	217.7	68.4	252.3	171.1	59.3	28.3	21.2	38.2	896.1
1958	3.4	0.0	11.2	44.7	287.3	271.9	154.3	140.5	155.7	10.2	85.7	0.0	1164.9
1959	65.2	6.0	54.9	287.6	159.1	217.3	303.5	124.8	92.6	103.3	0.4	0.0	1414.7
1960	63.2	0.0	62.7	38.2	52.2	441.2	174.9	76.6	97.4	106.0	16.6	1.0	1130.0
1961	86.7	1.6	58.4	5.2	51.7	185.8	297.4	176.7	177.8	44.1	13.2	0.0	1098.6
1962	3.7	0.0	9.3	75.0	58.5	223.3	21.0	114.0	70.0	48.8	9.0	0.0	632.6
1963	1.0	13.4	24.1	56.6	56.3	179.1	256.9	359.8	114.6	80.9	65.5	2.8	1211.0
1964	36.6	3.2	5.8	17.1	70.6	106.2	130.3	157.1	55.9	15.7	55.2	102.0	755.7
1965	38.8	34.9	10.4	136.8	138.8	211.1	386.7	261.3	40.0	79.3	161.2	40.0	1539.1
1966	0.0	0.0	4.3	135.3	107.8	320.8	268.5	191.3	55.4	84.0	13.9	120.7	1302.0
1967	38.0	67.0	20.0	21.0	212.0	310.0	149.0	135.0	61.0	64.0	20.0	20.0	1117.0
1968	1.0	11.0	41.0	63.0	10.0	182.0	56.0	87.0	91.0	40.0	53.0	98.0	734.0

MIN 0.0 0.0 0.0 2.1 10.0 65.0 21.0 28.4 10.0 1.6 0.0 0.0 0.0 632.6

MAX 96.7 99.1 152.7 287.6 381.0 441.2 451.0 359.8 222.1 114.1 161.2 120.7 1539.1

PROM 24.5 19.4 36.6 75.1 185.3 208.8 199.3 159.7 93.8 51.3 42.1 28.9 1121.3

DESV 32.5 26.6 38.8 66.7 104.3 95.6 117.6 93.3 54.3 33.6 41.3 33.9 257.7

CV 1.3 1.4 1.1 0.9 0.6 0.5 0.6 0.6 0.6 0.7 1.0 1.2 0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 6

HOYA 312 ITATA
EST 33 YUNGAY

SUP 11633 (KM2)

659.

LAT 3709 LON 7202 ALT 530 (MTS)

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

1924	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	13.0	0.0	0.0	-1.0
1925	0.0	98.0	27.0	161.9	47.0	172.5	161.5	112.0	426.0	40.0	55.0	28.0	1328.9
1926	25.0	0.0	211.0	53.0	160.0	447.0	367.0	194.0	167.0	114.0	4.0	73.0	1815.0
1927	0.0	34.0	40.0	63.0	514.0	189.0	326.0	154.0	343.0	51.0	49.0	36.0	1799.0
1928	10.0	28.0	69.0	241.0	295.0	252.0	198.0	93.0	60.0	21.0	50.0	58.0	1375.0
1929	100.0	0.0	0.0	28.0	142.0	290.0	84.0	381.0	218.0	51.0	41.0	98.0	1433.0
1930	0.0	0.0	0.0	175.0	182.0	379.0	613.0	243.0	63.0	219.0	28.0	125.0	2027.0
1931	94.0	8.0	41.0	97.0	75.0	332.0	224.0	224.0	68.0	123.0	67.0	0.0	1353.0
1932	0.0	5.0	37.0	124.0	38.0	588.0	133.0	248.0	115.0	118.0	26.0	62.0	1494.0
1933	87.0	21.0	41.0	104.0	294.0	292.0	186.0	307.0	110.0	124.0	9.0	41.0	1616.0
1934	6.0	55.0	81.0	32.0	317.0	687.0	176.0	92.0	61.0	88.0	6.0	9.0	1610.0
1935	34.0	93.0	0.0	39.0	388.0	379.0	187.0	170.0	127.0	58.0	96.0	24.0	1595.0
1936	0.0	19.0	23.0	191.0	386.0	299.0	273.0	175.0	98.0	55.0	14.0	85.0	1618.0
1937	0.0	134.0	10.0	90.0	269.0	199.0	225.0	509.0	26.0	13.0	97.0	7.0	1579.0
1938	3.0	0.0	101.0	19.0	219.0	241.0	380.0	85.0	117.0	65.0	51.0	7.0	1285.0
1939	72.0	0.0	0.0	23.0	467.0	229.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1940	0.0	68.0	52.0	89.0	674.0	306.0	310.0	59.0	96.0	44.0	53.0	-1.0	-1.0
1941	0.0	35.0	81.0	102.0	227.0	476.0	649.0	373.0	-1.0	-1.0	-1.0	51.0	-1.0
1942	0.0	8.0	21.0	64.0	237.0	151.0	88.0	434.0	91.0	30.0	62.0	5.0	1191.0
1943	0.0	3.0	120.0	22.0	367.0	88.0	148.0	108.0	263.0	24.0	39.0	0.0	1182.0
1944	6.0	0.0	0.0	35.0	213.0	260.0	228.0	459.0	92.0	152.9	48.0	0.0	1494.0
1945	1.5	102.0	58.0	75.0	342.5	196.0	190.0	198.0	98.0	41.0	89.0	0.0	1391.0
1946	33.0	31.0	0.0	89.0	208.0	169.0	144.0	56.0	-1.0	36.0	120.0	25.0	-1.0
1947	0.0	0.0	-1.0	78.0	-1.0	-1.0	-1.0	-1.0	-1.0	51.3	25.5	34.0	-1.0
1948	0.0	0.0	4.5	181.0	121.5	211.0	359.0	85.0	298.0	53.0	0.0	85.5	1398.5
1949	0.0	62.0	110.0	29.0	414.5	400.0	51.5	52.5	26.0	3.0	4.0	37.0	1189.5
1950	0.0	0.0	-1.0	-1.0	-1.0	65.5	66.0	369.0	92.0	69.0	123.0	-1.0	-1.0
1951	-1.0	-1.0	-1.0	8.0	332.0	409.0	406.0	146.0	123.0	58.0	10.0	0.0	-1.0
1952	0.0	36.0	52.0	0.0	211.0	171.0	138.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1953	166.5	13.0	13.0	131.0	432.0	83.5	193.5	415.0	272.0	21.0	18.5	29.0	1788.0
1954	-1.0	-1.0	253.0	156.5	307.5	88.0	270.0	110.0	69.0	65.0	12.0	3.0	-1.0
1955	19.0	0.0	5.0	66.0	231.0	120.0	289.0	321.0	95.0	43.0	49.0	57.0	1295.0
1956	2.0	0.0	0.0	82.0	405.0	342.0	185.0	175.0	158.0	21.0	103.0	0.0	1473.0
1957	94.0	20.0	56.0	389.0	176.0	298.0	396.0	149.0	120.0	93.0	0.0	0.0	1791.0
1958	72.0	0.0	67.0	52.0	64.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1959	-1.0	13.0	40.0	4.0	74.0	223.0	320.0	266.0	252.0	84.0	3.0	0.0	-1.0
1960	3.0	0.0	40.0	72.0	88.0	278.0	41.0	149.0	55.0	54.0	14.0	0.0	794.0
1961	2.0	7.0	27.0	65.0	94.0	266.0	378.0	406.0	192.0	113.0	68.0	12.0	1630.0
1962	41.0	19.0	8.0	36.0	83.0	258.0	139.0	219.0	69.0	20.0	99.0	180.0	1171.0
1963	45.0	63.0	20.0	185.0	188.0	309.0	440.0	359.0	72.0	159.0	180.0	89.0	2109.0
1964	0.0	0.0	20.0	181.0	119.0	337.0	269.0	293.0	68.0	88.0	-1.0	238.0	-1.0
1965	68.0	-1.0	19.0	25.0	277.0	141.0	200.0	154.0	139.0	83.0	66.0	41.0	-1.0

MIN 0.0 0.0 0.0 0.0 38.0 65.5 41.0 52.5 26.0 3.0 0.0 0.0 0.0 794.0

MAX 166.5 134.0 253.0 389.0 674.0 687.0 649.0 509.0 426.0 219.0 180.0 238.0 2109.0

PROM 25.9 25.7 46.0 91.4 248.2 272.3 248.2 225.5 135.4 67.3 48.1 41.6 1493.7

DES V 40.1 34.7 55.2 77.5 144.6 133.7 139.4 128.4 93.4 46.8 42.5 53.1 282.7

CV 1.6 1.4 1.2 0.8 0.6 0.5 0.6 0.6 0.7 0.7 0.9 1.3 0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 6 HOYA 312 ITATA SUP 11633 (KM2)

EST 34 ITATA EN CHOLGUAN

LAT 3711 LON 7203 ALT 260 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1956	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	5.7	57.0	1.0	0.0	-1.0
1957	11.0	0.0	4.0	49.0	209.0	112.0	298.0	268.0	67.0	47.0	-1.0	-1.0	-1.0
1958	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1959	-1.0	-1.0	-1.0	-1.0	164.0	320.0	257.0	210.0	84.0	0.0	52.0	-1.0	-1.0
1960	59.0	0.0	59.0	0.0	35.0	430.0	111.0	83.0	55.0	100.0	0.0	14.0	946.0
1961	72.0	0.0	35.0	10.0	15.0	225.0	245.0	191.0	206.0	66.0	5.0	1.0	1071.0
1962	7.0	0.0	34.0	73.0	59.0	291.5	35.0	190.0	58.5	46.0	20.5	0.0	814.5
1963	2.5	23.5	30.0	62.0	80.5	168.5	428.5	348.0	99.0	105.0	68.0	-1.0	-1.0
1964	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	27.0	167.0	60.0	15.0	38.0	141.0	-1.0
1965	46.5	51.5	16.0	165.0	146.0	180.0	367.0	228.0	-1.0	-1.0	-1.0	0.0	-1.0
1966	0.0	0.0	0.0	109.5	123.0	145.0	130.0	-1.0	-1.0	0.0	20.0	78.0	-1.0
1967	47.5	0.0	24.0	29.0	131.0	104.0	119.0	161.0	204.0	134.0	125.0	52.0	1130.5
1968	-1.0	31.0	64.0	75.0	22.0	161.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	15.0	104.0	27.0	83.0	5.7	0.0	0.0	0.0	814.5
MAX	72.0	51.5	64.0	165.0	209.0	430.0	428.5	348.0	206.0	134.0	125.0	141.0	1130.5
PROM	30.7	11.8	29.6	63.6	98.4	213.7	201.8	205.1	93.2	57.0	36.6	35.8	990.5
DESV	28.6	19.1	21.9	51.2	66.0	104.0	138.0	73.9	68.2	45.5	40.6	51.6	140.3
CV	0.9	1.6	0.7	0.8	0.7	0.5	0.7	0.4	0.7	0.8	1.1	1.4	0.1

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

 ZONA 6 HOYA 312 ITATA SUP 11633 (KM2) 661.
 EST 35 CHILLAN
 LAT 3636 LON 7208 ALT 114 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1964	21.1	0.5	10.9	11.2	60.1	131.7	113.1	160.5	27.9	15.4	28.9	123.2	704.5
1965	21.0	44.6	10.9	99.0	89.9	188.0	301.6	218.0	46.4	93.2	84.2	17.6	1214.4
1966	0.0	0.0	3.3	100.5	71.1	286.2	128.1	198.7	45.7	40.7	16.0	120.0	1010.3
1967	90.5	48.0	12.0	24.0	223.0	104.3	121.0	137.0	97.2	69.0	48.0	2.1	976.1
1968	0.5	0.0	-1.0	64.0	40.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	3.3	11.2	40.5	104.3	113.1	137.0	27.9	15.4	16.0	2.1	704.5
MAX	90.5	48.0	12.0	100.5	223.0	286.2	301.6	218.0	97.2	93.2	84.2	123.2	1214.4
PROM	26.6	18.6	9.3	59.7	96.9	177.5	165.9	178.5	54.3	54.6	44.3	65.7	976.3
DESV	37.2	25.3	4.0	41.4	72.7	80.4	90.6	36.6	29.9	33.8	29.7	64.8	209.5
CV	1.4	1.4	0.4	0.7	0.8	0.5	0.5	0.2	0.5	0.6	0.7	1.0	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 6

HOYA 312 ITATA
EST 36 CHILLAN
LAT 3636 LON 7226 ALT 144 (MTS)

SUP 11633 (KM2)

662.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1884	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	88.0	136.0	109.0	46.0	111.0	-1.0
1885	43.0	17.0	29.0	24.0	189.0	62.0	201.0	155.0	61.0	60.0	7.0	114.0	962.0
1886	7.0	13.0	19.0	12.0	94.0	102.0	129.0	175.0	70.0	17.0	56.0	14.0	708.0
1887	1.0	0.0	8.0	10.0	41.0	387.0	77.0	508.0	92.0	46.0	56.0	31.0	1257.0
1888	0.0	5.0	2.0	149.0	191.0	236.0	213.0	339.0	246.0	80.0	6.0	0.0	1467.0
1889	10.0	8.0	26.0	60.0	123.0	100.0	300.0	114.0	24.0	0.0	14.0	7.0	786.0
1890	88.0	0.0	16.0	106.0	79.0	37.0	199.0	31.0	66.0	0.0	10.0	10.0	642.0
1891	32.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0
1908	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	33.0	84.0	183.0	4.0	23.0	0.0	-1.0
1909	0.0	6.0	0.0	21.0	29.0	180.0	145.0	114.0	138.0	7.0	-1.0	-1.0	-1.0
1913	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	190.5	148.0	81.0	4.5	0.0	7.0	-1.0
1914	0.0	0.0	0.0	98.3	251.2	360.9	466.8	120.1	145.4	87.2	116.7	7.0	1653.6
1915	0.0	4.9	6.2	89.0	355.7	143.0	160.3	121.4	39.1	26.7	6.2	20.0	972.5
1916	12.4	0.0	83.6	50.8	159.5	51.4	81.5	150.5	101.9	0.0	109.5	48.0	849.1
1917	-1.0	12.0	27.5	-1.0	115.5	136.0	60.5	-1.0	-1.0	13.1	0.5	68.6	-1.0
1918	31.4	0.0	59.7	159.6	224.2	209.4	109.1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1919	0.0	38.9	6.1	107.5	295.5	272.0	272.5	107.1	214.9	9.9	42.5	13.7	1380.6
1920	0.0	0.0	87.5	19.4	332.7	224.6	51.5	135.2	79.0	53.6	45.5	21.9	1050.9
1921	16.6	10.4	52.5	52.1	324.8	142.1	19.3	158.7	24.4	24.0	22.4	25.3	852.6
1922	38.9	6.6	66.3	16.1	44.7	405.6	244.7	201.3	78.7	70.7	1.6	0.0	1175.2
1923	0.2	45.0	43.6	0.0	12.9	223.8	218.1	195.3	64.2	132.1	55.6	23.3	1014.1
1924	0.0	24.2	29.3	7.9	72.9	136.0	113.8	31.4	56.7	3.0	3.4	0.0	483.6
1925	1.0	82.5	21.0	81.5	37.0	105.0	156.5	63.0	354.5	40.0	24.5	15.5	982.0
1926	8.5	0.0	130.0	21.0	94.0	454.5	331.0	103.5	81.5	40.0	2.0	38.5	1304.5
1927	0.0	7.0	10.0	22.0	396.0	105.0	181.0	83.5	181.5	23.3	31.2	21.0	1061.5
1928	4.6	14.5	32.9	109.2	243.7	208.8	126.1	57.8	20.9	14.3	28.9	28.1	889.8
1929	84.0	0.0	0.0	56.0	110.0	217.0	67.0	239.0	152.0	44.0	13.0	84.0	1066.0
1930	0.0	7.0	6.0	85.0	108.0	276.0	565.0	143.0	23.0	172.0	91.0	87.0	1563.0
1931	77.0	6.0	10.0	79.0	53.0	290.0	251.0	166.0	77.0	67.0	32.0	1.0	1109.0
1932	3.0	0.0	12.0	84.0	24.0	485.0	260.0	198.0	92.0	100.0	11.0	45.0	1314.0
1933	131.0	14.0	19.0	97.0	199.0	190.0	119.0	231.0	71.0	44.0	2.0	37.0	1154.0
1934	0.0	30.0	57.0	19.0	258.0	571.0	128.0	71.0	40.0	41.0	7.0	3.0	1225.0
1935	13.0	46.0	6.0	21.0	221.0	249.0	113.0	157.0	73.0	71.0	59.0	76.0	1105.0
1936	0.0	0.0	13.0	95.0	375.0	271.0	178.0	139.0	43.0	53.0	11.0	51.0	1229.0
1937	0.0	82.0	7.0	51.0	153.0	184.0	154.0	360.0	38.0	19.0	18.0	0.0	1066.0
1938	0.0	0.0	65.0	23.0	188.0	148.0	194.0	43.0	74.0	36.0	50.0	0.0	821.0
1939	42.0	27.2	2.7	24.0	213.0	217.0	9.0	159.0	38.0	200.0	0.0	60.0	991.9
1940	2.0	55.0	0.0	137.0	264.0	265.0	287.0	25.0	66.0	63.0	65.0	29.0	1258.0
1941	0.0	45.0	106.0	75.0	132.0	156.0	223.0	161.0	7.0	37.0	96.0	32.0	1070.0
1942	0.0	7.0	8.0	12.0	99.0	74.0	242.0	269.0	29.0	31.0	34.2	0.8	806.0
1943	0.0	4.0	39.0	22.0	206.0	88.0	118.0	117.0	146.0	9.0	17.0	0.1	766.1
1944	0.0	23.0	0.0	28.0	141.0	197.0	122.0	242.0	54.0	114.0	33.0	0.0	954.0
1945	0.0	30.0	35.3	45.3	256.5	59.8	141.8	134.0	81.9	10.0	65.8	5.6	866.0
1946	50.8	15.0	9.7	96.3	120.5	102.8	143.4	64.5	104.5	11.0	47.2	14.1	779.8
1947	3.4	0.0	1.2	63.5	67.1	283.9	102.2	74.5	47.8	44.4	19.6	5.1	712.7
1948	0.5	0.0	0.0	173.0	217.5	56.1	342.3	70.4	199.9	41.7	0.0	19.3	1120.7
1949	0.0	16.7	67.3	21.1	339.8	229.9	27.2	29.0	19.5	2.9	15.4	62.3	831.1
1950	0.0	0.0	17.5	151.0	257.6	250.9	70.2	241.7	90.6	36.5	122.0	8.5	1256.5
1951	96.4	14.6	7.3	4.1	251.9	255.3	183.1	27.4	76.2	15.8	58.4	2.6	993.1
1952	0.0	1.5	45.0	0.0	170.0	178.8	133.6	41.2	37.7	57.3	15.2	0.0	680.3

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1953	59.9	12.2	36.3	103.8	430.5	102.2	171.3	282.8	242.4	34.7	12.3	25.6	1514.0
1954	0.0	22.0	0.0	54.0	220.5	197.5	324.8	101.1	50.2	55.5	12.2	25.8	1063.6
1955	4.2	55.4	0.0	59.3	55.6	260.9	28.2	150.3	23.9	9.5	1.2	88.4	736.9
1956	68.9	8.5	133.4	146.3	203.9	73.5	186.2	78.8	56.1	48.7	20.7	9.7	1034.7
1957	21.7	0.0	0.5	32.8	122.0	65.1	195.8	236.2	43.3	34.2	40.6	46.7	838.9
1958	0.0	0.0	0.0	54.3	180.5	384.6	77.1	201.3	101.0	12.7	70.3	0.0	1081.8
1959	55.3	14.7	26.7	271.7	196.2	143.9	307.3	116.2	66.6	74.6	0.0	0.0	1273.2
1960	36.3	0.0	60.5	40.5	54.6	478.7	177.8	74.5	84.5	82.7	5.4	0.5	1096.0
1961	69.1	0.0	51.6	8.2	37.3	190.0	220.0	185.8	226.4	21.9	0.0	0.0	1010.3
1962	0.0	0.0	0.0	-1.0	-1.0	202.5	-1.0	-1.0	37.8	54.3	6.5	-1.0	-1.0
1963	0.0	0.6	17.5	50.1	63.8	173.8	270.5	243.1	190.5	80.2	66.3	3.0	1159.4
1964	9.0	0.0	13.0	14.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1965	-1.0	50.0	-1.0	-1.0	106.0	186.0	348.0	219.0	32.0	100.0	55.0	26.0	-1.0
1966	0.0	0.0	0.0	101.0	100.0	303.0	262.0	234.0	41.0	48.0	29.0	184.0	1302.0
1967	85.0	56.0	5.2	21.0	285.0	93.0	138.0	140.0	99.0	80.0	19.0	22.0	994.2
1968	0.0	19.0	38.9	33.8	8.8	81.9	48.3	48.3	75.4	42.2	39.1	91.2	536.9
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	483.6
MAX	131.0	82.5	133.4	271.7	430.5	571.0	565.0	508.0	354.5	200.0	122.0	184.0	1653.6
PROM	19.8	15.4	27.4	62.2	167.1	201.8	174.8	145.1	88.7	47.1	31.8	29.0	1033.4
DESV	31.4	20.4	32.0	53.1	106.8	120.0	108.3	92.2	68.4	40.4	30.7	36.2	249.6
CV	1.6	1.3	1.2	0.9	0.6	0.6	0.6	0.6	0.8	0.9	1.0	1.2	0.2

663.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 6 HOYA 312 ITATA SUP 11633 (KM2)

EST 37 TRUPAN

LAT 3717 LON 7151 ALT 370 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	-1.0	-1.0	-1.0	-1.0	-1.0	197.0	323.0	424.0	339.0	149.0	104.0	50.0	-1.0
1964	64.0	26.8	19.0	26.0	58.0	257.0	203.0	240.0	196.0	34.0	94.0	181.0	1398.8
1965	71.0	51.0	9.0	140.0	204.0	-1.0	-1.0	-1.0	-1.0	-1.0	186.5	164.0	-1.0
1966	0.0	7.0	30.0	98.0	149.0	370.0	269.0	308.0	76.0	109.0	45.0	281.0	1742.0
1967	8.0	88.0	71.0	12.0	263.0	160.0	191.0	208.0	169.0	181.0	73.0	57.0	1481.0
1968	0.0	53.0	83.0	65.0	27.0	210.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	7.0	9.0	12.0	27.0	160.0	191.0	208.0	76.0	34.0	45.0	50.0	1398.8
MAX	71.0	88.0	83.0	140.0	263.0	370.0	323.0	424.0	339.0	181.0	186.5	281.0	1742.0
PROM	28.6	45.2	42.4	68.2	140.2	238.8	246.5	295.0	195.0	118.3	100.5	146.6	1540.6
DESV	35.7	30.5	32.7	52.4	98.5	81.1	61.5	95.6	108.9	63.4	53.1	96.1	179.2
CV	1.2	0.7	0.8	0.8	0.7	0.3	0.2	0.3	0.6	0.5	0.5	0.7	0.1

664.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS