

# PLUVIOMETRIA DE CHILE

ANEXO 1

HOYAS HIDROGRÁFICAS N° 200's

OCTUBRE 1971

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CORFO

## ESTADÍSTICAS PLUVIOMÉTRICAS

### Anexo 1.

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

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

Esta Publicación consta de un Tomo y dos Anexos.-

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

PRECIPITACIONES (MM)

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ZONA 1 HOYA 201 LLUTA SUP 3380 (KM2)

EST 1 VILLA INDUSTRIAL

LAT 1747 LON 6945 ALT 4059 (MTS)

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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	0.0	0.0	0.0	0.0	114.0	145.0	-1.0
1962	188.0	132.0	77.0	88.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.0	549.0
1963	103.0	179.0	112.0	14.0	9.0	0.0	0.0	0.0	14.0	2.0	4.0	21.0	468.0
1964	32.0	83.0	40.0	10.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	60.0	235.0

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PRECIPITACIONES (MM)

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ZONA 1 HOYA 201 LLUTA SUP 3380 (KM2)  
 EST 4 ALCERRECA  
 LAT 1759 LON 6945 ALT 4059 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	132.0	80.0	122.0	12.0	3.0	9.0	0.0	0.0	6.0	0.0	4.0	12.0	380.0
1964	17.0	35.0	43.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0	124.0
1965	22.0	-1.0	56.0	-1.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1966	12.0	28.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.0	76.0
1967	12.0	47.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	98.0
1968	58.0	27.0	60.0	12.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	5.0	174.0
MIN	12.0	27.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	76.0
MAX	132.0	80.0	122.0	12.0	3.0	9.0	0.0	0.0	6.0	12.0	4.0	47.0	380.0
PROM	42.2	43.4	54.2	5.2	0.5	1.5	0.0	0.0	1.2	2.4	0.8	21.0	170.4
DESV	47.3	22.0	37.0	6.3	1.2	3.7	0.0	0.0	2.7	5.4	1.8	16.6	122.7
CV	1.1	0.5	0.7	1.2	2.4	2.4	-1.0	-1.0	2.2	2.2	2.2	0.8	0.7

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 1 HOYA 201 LLUTA SUP 3380 (KM2)

EST 6 PUTRE

LAT 1812 LON 6935 ALT 3530 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	261.0	261.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.0	597.0
1963	-1.0	350.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0
1964	0.0	48.0	111.0	8.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	26.0	201.0
1965	52.0	46.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	0.0	0.0	0.0	-1.0
1966	0.0	5.0	0.0	0.0	0.0	-1.0	0.0	0.0	0.0	0.0	0.0	5.3	-1.0
1967	12.0	120.0	29.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0
1968	90.0	60.0	56.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	0.0	-1.0
MIN	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	201.0
MAX	261.0	350.0	111.0	8.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	75.0	597.0
PROM	69.2	127.1	28.0	1.6	0.0	0.0	0.0	1.1	0.0	0.0	0.0	15.2	399.0
DESV	100.4	129.0	42.4	3.6	0.0	0.0	0.0	3.0	0.0	0.0	0.0	28.0	280.0
CV	1.5	1.0	1.5	2.2	-1.0	-1.0	-1.0	2.6	-1.0	-1.0	-1.0	1.8	0.7

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 1

HOYA 201 LLUTA  
EST 7 ZAPAHUIRA  
LAT 1818 LON 6935 ALT 3320 (MTS)

SUP 3380 (KM2)

195.

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1968	46.5	-1.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.0	0.0	-1.0

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PRECIPITACIONES (MM)

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ZONA 1 HOYA 201 LLUTA SUP 3380 (KM2)
EST 8 CENTRAL
LAT. 1822 LON 6958 ALT 1481 (MTS)
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ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
1968 0.0 3.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.0
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PRECIPITACIONES (MM)

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ZONA	1	HOYA 202	SAN JOSE AZAPA		SUP 2985 (KM2)								
		EST 2	C DE CARGA C CHAP										
		LAT 1820	LON 6931	ALT 4330 (MTS)									
*****													
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
*****													
1965	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	12.5	0.0	0.0	0.0	-1.0
1966	0.0	12.8	24.3	0.0	1.8	0.0	0.0	0.0	0.0	3.0	0.7	7.7	50.3
1967	21.6	140.3	70.1	8.5	0.0	0.0	0.4	0.0	0.0	0.0	2.1	13.9	256.9
1968	109.5	80.1	76.3	0.0	0.6	0.0	0.0	0.0	0.0	2.0	13.4	2.6	284.5
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PRECIPITACIONES (MM)

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ZONA 1 HOYA 202 SAN JOSE AZAPA SUP 2985 (KM2)  
 EST 3 SOCOVONA  
 LAT 1826 LON 931 ALT 3050 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1968	48.7	69.0	47.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	168.5

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PRECIPITACIONES (MM)

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 ZONA 1 HOYA 202 SAN JOSE AZAPA SUP 2985 (KM2)  
 EST 4 MUR MUNTANE  
 LAT 1822 LON 6934 ALT 3280 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1964	10.5	17.7	9.9	1.3	0.0	0.0	0.0	7.8	0.0	0.0	0.0	52.6	99.8
1965	34.6	31.2	0.0	0.0	0.0	0.0	0.0	0.0	32.3	0.0	0.0	0.0	98.1
1966	0.0	11.0	19.5	0.0	0.3	0.0	0.0	0.0	0.0	1.8	0.0	4.8	37.4
1967	8.1	112.0	38.3	5.8	0.0	0.0	0.2	0.0	0.0	0.0	2.0	6.0	172.4
1968	65.2	57.8	45.4	0.0	0.9	0.0	-1.0	0.0	0.0	0.0	5.2	1.2	-1.0
MIN	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.4
MAX	65.2	112.0	45.4	5.8	0.9	0.0	0.2	7.8	32.3	1.8	5.2	52.6	172.4
PROM	23.7	45.9	22.6	1.4	0.2	0.0	0.0	1.6	6.5	0.4	1.4	12.9	101.9
DESV	26.6	41.0	19.0	2.5	0.4	0.0	0.1	3.5	14.4	0.8	2.3	22.3	55.2
CV	1.1	0.9	0.8	1.8	1.6	-1.0	2.0	2.2	2.2	2.2	1.6	1.7	0.5

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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 ZONA 1 HOYA 202 SAN JOSE AZAPA SUP 2985 (KM2)  
 EST 5 BELEN RETEN  
 LAT 1828 LON 6932 ALT 3240 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1938	0.0	78.5	36.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	116.1
1939	149.0	103.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	257.0
1940	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	6.0
1941	27.7	1.1	0.0	0.0	0.0	7.0	0.0	0.0	4.5	0.0	0.0	38.6	78.9
1942	117.9	68.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	186.6
1943	115.5	152.1	113.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	380.6
1944	41.7	182.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	227.7
1945	131.3	29.5	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	205.8
1946	18.0	150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	168.0
1947	100.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.5	120.8
1948	6.6	51.0	52.0	0.0	11.0	10.6	0.0	0.0	0.0	0.0	0.0	27.0	158.2
1949	207.9	188.7	94.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	499.2
1950	0.0	25.0	13.0	0.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	49.0	127.0
1951	88.5	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	126.5
1952	123.0	116.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	239.5
1953	256.4	227.6	94.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	578.7
1962	32.0	26.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	94.0
1963	115.0	215.0	90.0	70.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	500.0
1964	9.0	11.0	9.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	17.0	54.0
1965	4.2	60.5	-1.0	-1.0	0.0	-1.0	-1.0	0.0	29.0	0.0	0.0	0.0	-1.0
1966	0.0	4.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	5.0	28.0
1967	0.0	107.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	16.0	9.0	-1.0
1968	73.0	45.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	152.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
MAX	256.4	227.6	113.0	70.0	11.0	10.6	40.0	8.0	29.0	2.0	16.0	49.0	578.7
PROM	70.5	81.8	27.5	3.2	0.5	0.9	1.8	0.3	1.9	0.1	0.9	9.1	205.0
BESV	72.9	73.1	37.2	14.9	2.3	2.6	8.5	1.7	6.3	0.4	3.4	13.7	158.8
CV	1.0	0.9	1.4	4.7	4.8	3.0	4.7	4.8	3.3	4.7	3.7	1.5	0.8

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONCCIDOS

PRECIPITACIONES (MM)

*****													
ZONA	HOYA 202 SAN JOSE AZAPA											SUP	2985 (KM2)
1	EST 7 ARICA												
*****													
LAT 1829 LON 7020 ALT 5 (MTS)													
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
*****													
1903	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.0	0.0	0.0	-1.0
1904	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1906	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1907	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1909	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1911	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1912	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1914	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1915	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1918	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
1929	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1930	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
1937	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	2.0
1938	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.6
1939	0.0	0.4	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7
1940	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5
1941	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.4	0.0	0.0	0.0	1.8
1942	0.0	0.0	0.0	0.0	0.0	0.8	0.6	1.7	0.0	0.0	0.0	0.0	3.1
1943	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.3	0.1	0.0	0.0	1.2
1944	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
1946	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1948	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1949	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1950	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1951	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1952	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1954	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1958	0.0	0.0	0.0	0.0	0.0	0.0	6.0	5.0	0.0	0.0	0.0	0.0	6.5
1959	0.0	0.0	0.0	0.0	0.0	0.0	7.0	5.0	11.5	0.0	0.0	0.0	17.2
1960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1961	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1962	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
1963	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.0	0.0	0.0	1.0
1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2
1965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3
1966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
1967	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.5
1968	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	10.0	1.0	0.0	0.0	0.0	1.4	6.0	5.0	11.5	0.2	0.0	1.7	17.2
PROM	0.3	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.0	0.0	0.0	1.9
DESV	1.6	0.2	0.0	0.0	0.0	0.3	1.0	0.9	1.8	0.0	0.0	0.3	3.2
CV	6.1	3.6	-1.0	-1.0	-1.0	3.4	4.0	3.5	5.1	4.7	-1.0	6.3	2.5
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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONCCIDOS

PRECIPITACIONES (MM)

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 ZONA 1 HOYA 202 SAN JOSE AZAPA SUP 2985 (KM2)  
 EST 8 SANTUARIO LAS PENAS  
 LAT 1833 LON 6945 ALT 1500 (MTS.)  
 \*\*\*\*\*  
 ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT  
 \*\*\*\*\*  
 1968 32.0 10.0 5.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 47.0  
 \*\*\*\*\*

PRECIPITACIONES (MM)

\*\*\*\*\*  
ZONA 1 HOYA 202 SAN JOSE AZAPA SUP 2985 (KM2)  
EST 9 TIGNAMAR  
LAT 1835 LON 6930 ALT 3200 (MTS)  
\*\*\*\*\*  
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT  
1968 51.0 36.0 36.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -1.0 -1.0  
\*\*\*\*\*

PRECIPITACIONES (MM)

```

*****
ZONA 1 HOYA 203 VITOR SUP 1604 (KM2)
EST 3 TIMALCHACA
LAT 1842 LON 6920 ALT 3800 (MTS)
*****
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
1968 52.0 79.0 113.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 244.0
*****

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PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 1

HOYA 203 VITOR

SUP 1604 (KM2)

EST 4 CODPA

LAT 1850 LON 6945 ALT 1837 (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	0.0	0.0	0.0	0.0	0.0	0.2	-1.0
1962	0.9	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9
1963	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0
1965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	10.0
1966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	0.0	0.0	0.0	-1.0
1967	0.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	22.0
1968	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5
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	3.5
MAX	0.9	9.5	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	12.0	0.2	22.0
PROM	0.2	3.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.7	0.0	10.3
DESV	0.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	4.5	0.1	8.2
CV	2.2	1.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	2.4	-1.0	2.6	2.6	0.8

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 1 HOYA 204 CAMARONES SUP 4469 (KM2)  
 EST 4 EMBALSE CARITAYA  
 LAT 1900 LON 6920 ALT 3600 (MTS)  
 \*\*\*\*\*  
 ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIG TOT  
 \*\*\*\*\*  
 1964 16.1 18.2 76.8 -1.0 0.0 0.0 0.0 36.3 0.0 0.0 0.0 38.6 -1.0  
 1965 0.0 38.3 22.1 0.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0  
 \*\*\*\*\*

PRECIPITACIONES (MM)

\*\*\*\*\*  
ZONA 1 HOYA 204 CAMARONES SUP 4469 (KM2)  
EST 8 CUYA  
LAT 1910 LON 7009  
\*\*\*\*\*  
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT  
\*\*\*\*\*  
1965 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 0.0 0.0 -1.0  
1967 0.0 0.0 0.0 0.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0  
\*\*\*\*\*

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 1 HOYA 205 CAMINA SUP 2825 (KM2)  
 EST 1 PUMIRE  
 LAT 1907 LON 6907 ALT 4200 (MTS)  
 \*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	-1.0	-1.0	-1.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	9.5	-1.0
1963	107.2	130.0	82.2	2.0	0.6	2.0	0.0	0.0	32.2	0.0	0.5	14.2	354.1
1964	31.4	65.2	27.4	31.8	0.0	0.0	0.0	8.5	0.0	0.0	0.0	66.6	290.9
1965	24.5	32.1	15.7	0.0	0.0	0.0	0.5	0.0	39.7	0.0	0.0	7.0	119.5
1966	0.0	32.9	7.8	0.0	0.7	0.0	0.0	0.0	0.0	1.0	2.7	21.4	66.5
1967	17.8	119.7	52.3	9.9	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	32.1	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	66.5
MAX	107.2	130.0	82.2	31.8	0.7	2.0	0.5	8.5	39.7	1.0	10.5	66.6	354.1
PROM	36.2	76.0	37.1	9.8	0.1	0.4	0.1	1.7	14.4	0.2	2.7	23.7	192.7
DESV	41.4	46.7	30.3	12.4	0.3	0.9	0.2	3.8	19.9	0.4	4.5	24.6	127.5
CV	1.1	0.6	0.8	1.3	2.2	2.2	2.2	2.2	1.4	2.2	1.6	1.0	0.7

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZCAA 1 HCYA 205 CAMINA SLP 2825 (KM2)  
 EST 2 CAMINA RETEN FPCF OMC TIPC PV  
 LAT 1919 LON 6926 ALT 2380 (MTS)

\*\*\*\*\*

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AGO	SEPT	OCT	NOV	DIC	TOT
1962	0.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0
1963	0.0	33.0	-1.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	-1.0
1964	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	41.2	0.0	0.0	0.0	48.7
1965	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	8.0
1966	6.0	1.0	0.0	0.0	-1.0	0.0	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0
MAX	6.0	33.0	1.5	0.0	0.0	0.0	0.0	0.0	41.2	0.0	3.0	0.0	48.7
PRECN	2.4	11.2	0.4	0.0	0.0	0.0	0.0	0.0	11.8	0.0	0.9	0.0	24.6
DESV	3.3	13.9	0.8	0.0	0.0	0.0	0.0	0.0	15.8	0.0	1.5	0.0	21.4
CV	1.4	1.2	2.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.7	-1.0	2.0	-1.0	0.9

\*\*\*\*\*

170.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORREGIDOS

PRECIPITACIONES (MM)

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*****
ZONA 1 HOYA 205 CAMINA SUP 2825 (KM2)
EST 3 PISAGUA RETEN
LAT 1935 LON 7014
*****
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
*****
1965 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 10.6 5.5 0.0 0.0 0.0 -1.0
*****

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PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 2 HOYA 206 SALAR DEL CARMEN SUP 30286 (KM2)  
 EST 1 SIERRA GORDA RETEN  
 LAT 2254 LON 6919 ALT 1264 (MTS)  
 \*\*\*\*\*  
 ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT  
 \*\*\*\*\*  
 1964 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.9 0.0 0.0 0.0 0.1 1.0  
 1965 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.5 28.0 0.0 0.0 0.0 28.5  
 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  
 1968 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0  
 \*\*\*\*\*

PRECIPITACIONES (MM)

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*****
ZONA 2 HOYA 206 SALAR DEL CARMEN SUP 30286 (KM2)
EST 2 BAQUEDANO
LAT 2318 LON 6952 ALT 1032 (MTS)
*****
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
*****
1963 0.0 0.0 -1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -1.0
1966 -1.0 -1.0 -1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -1.0
1967 0.0 0.0 -1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -1.0
*****

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PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 2 HOYA 206 SALAR DEL CARMEN SUP 30286 (KM2)  
 EST 3 ANDROMEDA UNIV NORTE  
 LAT 2342 LON 7019  
 \*\*\*\*\*  
 AND ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT  
 \*\*\*\*\*  
 1964 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 -1.0 -1.0 -1.0  
 \*\*\*\*\*

PRECIPITACIONES (MM)

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*****
ZONA 2 HOYA 206 SALAR DEL CARMEN SUP 30286 (KM2)
EST 5 ANTOF CIUDAD UNIVER
LAT 2339 LON 7024 ALT 850 (MTS)
*****
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
*****
1951 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
1952 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
1953 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
1954 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
1955 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
1956 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
1957 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
1958 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
1959 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
1960 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
1961 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
1962 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
1963 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
1964 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
1965 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
1966 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
1967 0.0 0.0 0.0 0.0 0.0 0.8 0.0 0.0 2.2 2.3 0.0 1.2 6.5
*****
MIN 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
MAX 0.0 0.0 0.0 0.0 0.0 0.8 2.0 2.5 2.4 2.0 1.2 0.0 6.5
PROM 0.0 0.0 0.0 0.0 0.0 0.1 0.2 0.5 0.4 0.2 0.1 0.0 1.4
DESV 0.0 0.0 0.0 0.0 0.0 0.2 0.6 0.9 0.9 0.6 0.3 0.0 2.1
CV -1.0 -1.0 -1.0 -1.0 -1.0 3.6 3.3 1.7 2.1 3.6 3.6 -1.0 1.5
*****

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONCCIDOS

PRECIPITACIONES (MM)

*****													
ZONA 2 HOYA 207 TALTAL SUP 5691 (KM2)													
EST 1 CATALINA													
LAT 2513 LON 6943 ALT 2180 (MTS)													
*****													
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
*****													
1963	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0
1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0	4.9
1966	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	5.5
1967	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
1968	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
*****													
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	3.0	1.0	0.0	2.5	4.9	0.0	0.0	0.0	5.5
PROM	0.0	0.0	0.0	0.0	0.5	0.2	0.0	0.5	1.0	0.0	0.0	0.0	2.8
DESV	0.0	0.0	0.0	0.0	1.2	0.4	0.0	1.1	2.2	0.0	0.0	0.0	2.8
CV	-1.0	-1.0	-1.0	-1.0	2.4	2.4	-1.0	2.2	2.2	-1.0	-1.0	-1.0	1.0
*****													

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 2 HOYA 208 PAN DE AZUCAR SUP 6162 (KM2)  
 EST 1 EL SALVADOR  
 LAT 2611 LON 6925 ALT 2500 (MTS)

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	3.0
1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.6
1966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	10.0
1967	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	0.0	0.0	0.0	0.0	24.0
1968	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.0	3.0	0.6	0.0	0.0	24.0
PROM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.6	0.1	0.0	0.0	7.5
DESV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	1.3	0.3	0.0	0.0	10.0
CV	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.6	2.2	2.2	-1.0	-1.0	1.3

\*\*\*\*\*

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 2 HOYA 209 SALADO SUP 7266 (KM2)

EST 1 ILANTA RETEN

LAT 2620 LON 6931 ALT 1198 (MTS)

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	8.0
1963	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0
1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7
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	0.0	0.0	0.0	0.0	0.0	16.0	0.0	5.0	0.0	0.0	0.0	0.0	21.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
MAX	0.0	0.0	0.0	0.0	0.0	16.0	8.0	5.0	1.0	0.7	0.0	0.0	21.0
PROM	0.0	0.0	0.0	0.0	0.0	4.0	2.0	1.3	0.3	0.2	0.0	0.0	7.7
DESV	0.0	0.0	0.0	0.0	0.0	8.0	4.0	2.5	0.5	0.3	0.0	0.0	9.5
CV	-1.0	-1.0	-1.0	-1.0	-1.0	2.0	2.0	2.0	2.0	2.0	-1.0	-1.0	1.2

\*\*\*\*\*

NOTA: VALGRES NEGATIVOS INBICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 2

HOYA 209 SALADO  
EST 2 CHANARAL

SUP 7266 (KM2)

179

FUENTE: OMC

LAT 2621 LON 7042 ALT 13 (MTS)

\*\*\*\*\*

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

1926	0.0	0.0	5.2	0.0	0.0	27.0	0.0	0.0	0.0	0.0	0.0	32.2
1927	0.0	0.0	0.0	0.0	0.0	18.0	0.5	0.0	0.0	0.0	0.0	18.5
1928	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1929	0.0	0.0	0.0	0.0	0.0	41.0	2.0	0.0	0.0	0.0	0.0	43.0
1930	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81.0	0.0	0.0	0.0	81.0
1931	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8
1932	0.0	0.0	0.0	0.1	0.0	40.3	7.4	0.0	0.6	0.0	18.5	18.8
1933	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	3.0	0.0	0.0	48.6
1934	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.7	0.0	6.0
1935	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	4.0	0.0	9.0
1936	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	5.0
1937	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
1938	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	15.0
1939	0.0	0.0	0.0	0.0	3.0	0.0	2.0	0.0	0.0	10.0	0.0	15.0
1940	0.0	0.0	0.0	0.0	1.7	38.0	0.0	0.0	0.0	0.0	0.0	39.7
1941	0.0	0.0	0.0	1.0	0.0	2.0	10.0	7.9	0.0	0.0	0.0	20.9
1942	0.0	0.0	0.0	0.0	0.0	7.2	0.0	4.3	0.0	0.0	0.0	11.5
1943	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1944	0.0	0.0	0.0	4.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	9.5
1945	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1946	0.0	0.0	0.0	0.0	20.5	0.0	0.0	0.0	0.0	0.0	0.0	20.5
1947	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1948	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1949	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.9	0.0	0.0	0.0	16.9
1950	0.0	0.0	0.0	0.0	0.0	10.5	0.0	0.0	0.0	0.0	0.0	10.5
1951	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1952	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1953	0.0	0.0	0.0	0.0	0.0	21.4	0.0	1.7	0.0	0.0	0.0	24.7
1954	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.6	0.0	1.6	0.0	7.9
1955	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
1956	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1958	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1959	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1961	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1962	0.0	0.0	0.0	0.0	0.0	0.0	9.0	3.0	0.0	0.7	0.0	22.7
1963	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.4	10.0	0.0	4.8
1964	0.0	0.0	0.0	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	2.4
1965	0.0	0.0	0.0	0.0	0.4	0.0	6.0	0.0	0.0	0.0	0.0	6.4
1966	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	1.5
1967	0.0	0.0	0.0	0.3	0.0	0.0	0.0	16.0	0.0	0.0	0.0	16.3
1968	-0.1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	1.0

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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
MAX	0.0	0.0	10.0	4.0	20.5	41.0	10.0	81.0	5.0	10.0	18.5	81.0
PROM	0.0	0.0	0.4	0.2	0.8	5.2	1.3	3.2	0.3	0.7	0.5	12.3
DESV	0.0	0.0	1.7	0.6	3.3	11.4	2.6	12.9	1.0	2.3	2.9	16.4
CV	-1.0	-1.0	4.8	4.1	4.0	2.2	2.1	4.0	3.6	3.3	5.7	1.3

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

SUP 7266 (KM2)

ZONA 2 HOYA 209 SALADO  
EST 3 PUEBLO HUNDIDO  
LAT 2624 LON 7004 ALT 790 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1964	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1965	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	5.6
1966	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	2.2
1967	0.0	0.0	0.0	0.0	0.0	19.0	0.0	11.0	0.0	0.0	0.0	0.0	30.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	0.0	0.0	0.0	0.0	0.0	19.0	5.0	11.0	0.0	0.0	0.0	0.0	30.0
PROM	0.0	0.0	0.0	0.0	0.0	4.3	1.0	2.2	0.0	0.0	0.1	0.0	7.6
DESV	0.0	0.0	0.0	0.0	0.0	8.3	2.2	4.9	0.0	0.0	0.3	0.0	12.7
CV	-1.0	-1.0	-1.0	-1.0	-1.0	1.9	2.2	2.2	-1.0	-1.0	2.2	-1.0	1.7

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

ZONA 2

HOYA 209 SALADO

SUP 7266 (KM2)

EST 4 POTRERILLOS

LAT 2630 LON 6927 ALT 2850 (MTS)

	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1922	1.0	-1.0	-1.0	0.0	0.0	0.0	-1.0	0.0	0.0	0.0	0.0	0.0	-1.0
1923	3.0	5.0	6.0	0.0	0.0	28.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1924	0.0	14.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	60.0
1925	0.0	0.0	0.0	0.0	0.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
1926	0.0	0.0	0.0	0.0	1.4	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1927	0.0	0.0	0.0	0.0	72.4	0.0	46.0	114.0	0.0	0.0	0.0	0.0	232.4
1928	0.0	0.0	0.0	0.0	110.0	14.8	0.0	0.0	0.0	0.0	0.0	0.0	124.8
1929	0.0	0.0	0.0	0.0	6.5	9.7	0.0	65.1	2.2	0.0	0.0	0.0	83.5
1930	0.0	0.0	0.0	41.0	3.0	3.0	0.0	0.0	0.0	0.0	2.6	0.0	56.6
1931	0.0	0.0	7.0	0.0	0.0	1.7	52.6	0.0	0.0	0.0	0.0	0.0	54.3
1932	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1	0.0	0.0	0.0	5.1
1933	0.0	4.2	11.4	0.0	47.0	0.0	57.5	60.0	0.0	0.0	0.0	0.0	180.1
1934	0.0	0.0	0.0	0.0	0.0	1.0	4.0	2.0	0.0	5.0	0.0	0.0	12.0
1935	0.0	0.0	0.0	0.0	0.0	0.0	26.0	0.0	0.0	0.0	0.0	0.0	26.0
1936	0.1	0.0	0.0	0.0	45.5	0.0	0.0	0.0	26.0	0.0	0.0	0.0	71.6
1937	0.0	3.0	34.4	1.0	30.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	69.4
1938	0.0	0.0	0.1	0.0	2.0	0.0	1.0	0.0	0.0	27.9	0.0	0.0	36.0
1939	5.0	0.0	0.0	0.1	0.0	111.0	5.0	12.5	0.0	0.0	0.0	0.0	128.6
1940	0.0	0.0	0.0	16.3	12.3	4.7	12.0	6.2	0.0	0.0	0.0	0.0	51.5
1941	0.0	0.0	0.0	0.0	0.0	23.3	0.0	0.0	3.2	1.0	0.0	0.0	27.5
1942	1.0	0.0	1.6	0.0	0.0	7.1	0.6	0.0	0.0	0.0	0.0	0.0	10.3
1943	13.8	24.3	0.0	0.5	8.9	9.4	15.3	0.0	0.0	0.0	0.0	0.0	72.8
1944	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	1.7	5.5	0.0	0.0	9.9
1945	0.0	0.0	0.0	0.0	31.8	31.0	0.0	0.0	0.0	0.0	0.0	0.0	62.8
1946	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	1.6
1947	0.0	0.0	0.0	5.9	35.9	8.0	6.4	0.0	0.0	12.0	0.0	0.0	68.2
1948	0.0	0.0	0.0	0.0	0.0	0.0	6.0	72.6	1.0	0.0	0.0	0.0	79.6
1949	0.0	0.0	0.0	0.0	6.0	5.3	4.0	0.0	0.0	0.0	0.0	0.0	15.3
1950	0.0	0.0	0.0	0.0	0.0	0.0	2.8	6.0	0.0	0.0	0.0	0.0	8.8
1951	0.0	0.0	0.0	0.0	0.0	0.0	20.4	4.3	0.0	0.0	0.0	0.0	24.7
1952	0.0	0.0	0.0	0.0	0.0	154.4	0.0	4.9	0.0	0.0	0.0	0.0	159.3
1953	0.0	33.2	0.0	0.0	0.0	0.0	18.0	0.0	0.0	0.0	0.0	0.0	51.2
1954	0.1	0.0	11.6	0.0	10.6	0.0	9.0	0.0	0.0	0.0	0.0	0.0	31.3
1955	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1956	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	2.7
1957	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.8
1958	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1959	0.0	0.0	0.0	1.3	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	3.3
1960	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1961	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0	0.0	35.0
1962	0.0	0.0	0.0	0.0	0.0	0.0	14.3	0.0	0.0	0.0	0.0	0.0	14.3
1963	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	2.7	0.0	0.0	0.0	3.7
1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1966	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1967	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	4.8
1968	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	2.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAX	21.0	33.2	34.4	41.0	110.0	154.4	57.5	114.0	26.0	27.9	2.6	0.0	232.4
PROM	1.0	2.0	1.6	1.5	9.4	9.4	7.1	9.5	1.0	1.2	0.1	0.0	43.8
DESV	3.8	6.4	5.7	6.5	22.0	28.2	14.0	24.1	4.0	4.7	0.4	0.0	53.4
CV	3.8	3.3	3.5	4.5	2.3	3.0	2.0	2.5	4.1	3.9	6.6	-1.0	1.2



PRECIPITACIONES (MM)

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ZONA 2 HOYA 209 SALADO SUP 7266 (KM2)

EST 5 INCA DE ORO

LAT 2645 LON 6955 ALT 2300 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	0.0	0.5	0.0	0.5	0.0	0.0	52.0	0.0	0.0	0.0	0.0	0.0	53.0
1963	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	2.0	0.0	0.0	0.0	5.0
1964	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	4.0	0.0	0.0	5.0
1965	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	16.0
1966	0.0	0.0	0.0	0.1	-1.0	-1.0	0.0	13.0	0.0	0.0	-1.0	0.0	-1.0
1967	0.0	0.0	0.0	0.0	0.0	28.0	0.0	0.0	9.0	0.0	0.0	0.0	37.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
MAX	0.0	0.5	0.0	0.5	0.0	28.0	52.0	13.0	9.0	4.0	0.0	0.0	53.0
PROM	0.0	0.1	0.0	0.1	0.0	5.8	11.8	2.2	1.8	0.7	0.0	0.0	23.2
DESV	0.0	0.2	0.0	0.2	0.0	12.4	20.6	5.3	3.6	1.6	0.0	0.0	21.2
CV	-1.0	2.4	-1.0	2.0	-1.0	2.1	1.7	2.4	2.0	2.4	-1.0	-1.0	0.9

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 3

HOYA 213 LOS CHORDS  
 EST 1 INCA CUASI RETEN  
 LAT 2913 LON 7103

SUP 4058 (KM2)

183

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1966	0.0	0.0	-1.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	4.0	0.0	-1.0
1967	0.0	0.0	0.0	0.0	0.0	5.5	0.0	4.0	16.0	2.5	0.0	0.0	28.0
1968	0.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0	0.0	0.0	-1.0	-1.0

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PRECIPITACIONES (MM)

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ZONA 3 HOYA 213 LOS CHOROS SUP 4058 (KM2)

EST 2 ALMIRANTE LATORRE

LAT 2936 LON 7055 ALT 913 (MTS)

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	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1965	0.0	0.0	0.0	0.0	0.0	17.0	0.0	0.0	0.0	28.0	0.0	0.0	45.0
1966	0.0	0.0	0.0	0.0	7.0	32.0	55.0	16.0	47.0	0.0	0.0	0.0	157.0
1965	0.0	0.0	1.0	0.0	0.0	9.0	2.0	10.0	0.0	0.0	0.0	0.0	22.0
1966	0.0	0.0	0.0	2.5	15.5	3.5	112.2	38.0	5.0	0.0	0.0	0.0	176.7
1967	0.0	0.0	0.0	0.0	5.0	60.0	49.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0
1967	0.0	0.0	0.0	0.0	0.0	25.0	2.0	3.5	-1.0	7.3	0.0	0.0	-1.0
1968	0.0	0.0	0.0	0.0	0.0	27.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	22.0
MAX	0.0	0.0	1.0	2.5	15.5	60.0	112.2	38.0	47.0	28.0	0.0	0.0	176.7
PROM	0.0	0.0	0.1	0.4	3.9	24.8	31.5	9.6	10.4	7.1	0.0	0.0	100.2
DESV	0.0	0.0	0.4	0.9	5.9	18.5	43.0	13.9	20.6	12.1	0.0	0.0	78.0
CV	-1.0	-1.0	2.6	2.6	1.5	0.7	1.4	1.4	2.0	1.7	-1.0	-1.0	0.8

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)													
*****													
ZCNA 2		HCYA 212 LCS CHORCS				SLP 4058 (KM2)							
		EST 3 EL TCFO				PROP 000 TIPO							
		LAT 2929 LCN 7016				ALT 50 (MTS)							
ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
*****													
1919	0.0	0.0	0.0	0.0	158.0	56.0	103.0	0.0	0.0	0.0	0.0	0.0	317.0
1920	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	7.0
1921	0.0	0.0	0.0	0.0	104.0	13.0	0.0	25.0	0.0	0.0	0.0	0.0	142.0
1922	0.0	0.0	0.0	0.0	0.0	67.0	9.0	48.0	23.0	0.0	0.0	0.0	147.0
1923	0.0	0.0	0.0	0.0	0.0	16.0	56.0	41.0	0.0	7.0	0.0	0.0	120.0
1924	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	6.0	0.0	0.0	0.0	18.0
1925	0.0	0.0	0.0	0.0	6.0	6.0	6.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1926	0.0	0.0	0.0	0.0	16.0	82.0	6.0	15.0	0.0	0.0	0.0	0.0	173.0
1927	0.0	0.0	0.0	0.0	9.0	130.0	16.0	6.0	0.0	3.0	0.0	0.0	164.0
1928	0.0	0.0	0.0	0.0	20.0	28.0	28.0	10.0	0.0	0.0	0.0	0.0	102.0
1929	0.0	0.0	0.0	0.0	4.0	109.0	27.0	0.0	0.0	0.0	0.0	0.0	140.0
1930	0.0	0.0	0.0	0.0	0.0	10.0	45.0	117.0	10.0	0.0	0.0	0.0	182.0
1931	0.0	0.0	0.0	49.0	0.0	19.0	11.0	0.0	6.0	0.0	10.0	0.0	95.0
1932	0.0	0.0	0.0	0.0	0.0	75.0	28.0	0.0	0.0	0.0	0.0	0.0	103.0
1933	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0
1934	0.0	0.0	0.0	0.0	77.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	88.0
1935	0.0	0.0	0.0	0.0	0.0	13.0	39.0	8.0	0.0	13.0	0.0	0.0	73.0
1936	0.0	0.0	0.0	0.0	0.0	0.0	38.0	0.0	0.0	13.0	0.0	0.0	51.0
1937	0.0	0.0	0.0	0.0	0.0	15.0	21.0	24.0	19.0	0.0	0.0	0.0	79.0
1938	0.0	0.0	0.0	0.0	98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98.0
1939	0.0	0.0	0.0	0.0	0.0	44.0	0.0	0.0	0.0	37.0	0.0	13.0	94.0
1940	0.0	0.0	0.0	0.0	5.0	85.0	70.0	29.0	0.0	0.0	0.0	0.0	189.0
1941	0.0	0.0	0.0	0.0	56.0	8.0	39.0	87.0	0.0	0.0	0.0	0.0	195.0
1942	0.0	0.0	0.0	0.0	9.0	37.0	25.0	24.0	6.0	10.0	0.0	0.0	111.0
1943	0.0	0.0	0.0	0.0	6.0	62.0	10.0	14.0	2.0	0.0	0.0	0.0	94.0
1944	0.0	0.0	0.0	19.0	23.0	56.0	3.0	27.0	0.0	0.0	0.0	0.0	128.0
1945	0.0	19.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	41.0
1946	0.0	0.0	0.0	0.0	35.0	18.0	0.0	0.0	0.0	0.0	0.0	0.0	53.0
1947	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	7.0
1948	0.0	0.0	0.0	0.0	5.0	3.0	41.0	2.0	0.0	0.0	0.0	0.0	57.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
MAX	0.0	19.0	0.0	49.0	158.0	130.0	103.0	117.0	23.0	37.0	10.0	13.0	317.0
PRCM	0.0	0.6	0.0	2.6	21.0	31.7	24.0	17.6	2.5	2.9	0.3	0.4	102.0
DESV	0.0	3.5	0.0	9.5	38.5	36.5	25.3	27.3	5.7	7.6	1.9	2.4	***
CV	-1.0	5.5	-1.0	3.6	1.8	1.1	1.1	1.5	2.3	2.7	5.4	5.4	4.2
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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCENDIENTES

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 214 PETORCA SUP 2040 (KM2)  
 EST 1 EL PEDERNAL  
 LAT 3205 LON 7048 ALT 981 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	0.0	0.0	0.0	0.0	6.0	139.0	10.0	9.0	1.0	15.5	0.0	0.0	180.5
1963	10.3	0.0	0.0	0.0	29.2	71.5	93.6	56.0	130.1	4.0	0.0	0.0	394.7
1964	0.0	0.0	0.0	0.0	0.0	70.0	23.0	53.0	0.0	0.0	0.0	0.0	146.0
1965	0.0	0.0	0.0	0.0	35.0	8.5	196.5	190.0	5.0	0.0	0.0	0.0	433.0
1966	0.0	0.0	0.0	0.0	4.0	124.0	119.0	24.0	0.0	0.0	6.0	10.0	287.0
1967	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	6.5	10.0	9.0	0.0	0.0	0.0	0.0	146.0
MAX	10.3	0.0	0.0	0.0	35.0	139.0	196.5	190.0	130.1	15.5	6.0	10.0	433.0
PROM	1.7	0.0	0.0	0.0	14.8	82.2	88.4	66.4	27.2	3.9	1.2	2.0	288.2
DESV	4.2	0.0	0.0	0.0	16.0	52.4	75.9	71.9	57.5	6.7	2.7	4.5	126.6
CV	2.4	-1.0	-1.0	-1.0	1.1	0.6	0.9	1.1	2.1	1.7	2.2	2.2	0.4

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 214 PETORCA SUP 2040 (KM2)  
 EST 2 LA CORTADERA HDA CHALACO  
 LAT 3211 LON 7044 ALT 1450 (MTS.)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	-1.0	-1.0	-1.0	-1.0	12.0	125.4	6.8	1.3	2.0	14.0	0.0	0.0	-1.0
1963	9.5	0.0	2.0	0.0	23.5	53.0	61.0	47.0	126.5	16.0	15.5	0.0	354.0
1964	0.0	0.0	0.0	0.0	0.0	65.0	20.5	45.0	0.0	0.0	0.0	0.0	130.5
1965	0.0	0.0	0.0	7.5	31.5	8.5	162.0	161.0	6.0	12.5	0.0	3.0	392.0
1966	0.0	0.0	0.0	15.5	9.5	114.5	90.0	23.0	0.0	0.5	6.5	2.0	255.5
1967	0.0	0.0	0.0	0.0	4.0	34.5	51.5	5.5	30.5	10.0	0.0	0.0	136.0
1968	0.0	0.0	1.8	4.5	0.0	3.5	1.0	11.0	2.0	0.0	0.0	0.0	23.8
MIN	0.0	0.0	0.0	0.0	0.0	3.5	1.0	1.3	0.0	0.0	0.0	0.0	23.8
MAX	9.5	0.0	2.0	15.5	31.5	125.4	162.0	161.0	126.5	16.0	15.5	3.0	392.0
PROM	1.6	0.0	0.6	4.6	10.6	57.8	56.1	42.0	23.9	7.6	3.1	0.7	215.3
DESV	3.9	0.0	1.0	6.2	12.4	47.9	56.5	55.5	46.5	7.2	6.0	1.3	143.0
CV	2.4	-1.0	1.6	1.3	1.2	0.8	1.0	1.3	2.0	0.9	1.9	1.8	0.7

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 214 PETORCA SUP 2040 (KM2)  
 EST 4 EL RANCHO HCA SOBR  
 LAT 3213 LON 7038 ALT 2000 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	-1.0	-1.0	-1.0	-1.0	35.5	173.0	6.5	14.5	2.0	0.0	0.0	0.0	-1.0
1963	14.5	0.0	0.0	1.3	25.8	83.4	84.3	64.0	145.0	32.0	35.0	0.0	401.0
1964	0.0	0.0	0.0	0.0	0.0	101.1	26.6	55.7	0.0	0.0	0.0	0.0	183.4
1965	0.0	0.0	0.0	17.0	50.0	18.0	138.3	222.0	17.0	28.5	1.3	7.0	499.1
1966	0.0	0.0	0.0	16.5	6.6	145.5	109.5	48.0	0.0	3.0	8.3	4.0	341.4
1967	0.0	0.0	0.0	0.0	12.5	45.5	55.0	7.0	23.0	17.0	0.0	0.0	160.0
1968	0.0	0.0	0.0	9.0	0.0	15.1	0.0	29.0	41.5	0.0	0.0	0.0	94.6
MIN	0.0	0.0	0.0	0.0	0.0	15.1	0.0	7.0	0.0	0.0	0.0	0.0	94.6
MAX	14.5	0.0	0.0	17.0	50.0	173.0	138.3	222.0	145.0	32.0	35.0	7.0	499.1
PROM	2.4	0.0	0.0	7.3	18.6	83.1	60.0	62.9	32.6	11.5	6.4	1.6	279.9
DESV	5.9	0.0	0.0	8.1	19.1	61.3	52.9	73.3	51.8	14.2	13.0	2.8	157.8
CV	2.4	-1.0	-1.0	1.1	1.0	0.7	0.9	1.2	1.6	1.2	2.0	1.8	0.6

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

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ZONA 3

HOYA 214 PERURCA  
EST 5 CHINGOLOCO  
LAT 3213 LON 7052 ALT 620 (MTS)

SUP 2 30 (KM2)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1942	0.0	0.0	0.0	0.0	19.0	71.0	31.5	93.0	10.0	0.0	15.0	0.0	239.5
1943	0.0	0.0	20.0	0.0	13.5	21.0	23.0	38.0	4.5	8.7	0.0	0.0	128.7
1944	0.0	12.0	0.0	8.0	44.5	79.0	20.5	117.0	0.0	15.5	0.0	0.0	296.5
1945	0.0	35.0	0.0	3.5	0.0	0.0	0.0	31.0	40.0	0.0	0.0	0.0	109.5
1946	0.0	0.0	0.0	11.0	34.5	22.0	27.0	12.0	0.0	0.0	0.0	0.0	100.5
1947	0.0	0.0	5.0	3.5	1.0	58.5	50.0	36.0	1.0	27.0	0.0	0.0	182.0
1948	0.0	0.0	0.0	30.0	74.0	44.0	88.0	14.0	4.5	0.0	0.0	0.0	254.5
1949	0.0	0.0	0.0	0.0	47.0	57.0	45.0	40.0	0.0	0.0	0.0	0.0	189.0
1950	0.0	0.0	0.0	0.0	60.0	87.5	0.0	0.0	10.4	24.1	8.0	9.0	199.0
1951	0.0	0.0	0.0	17.0	42.4	41.6	71.0	9.7	22.5	0.0	0.0	0.0	204.2
1952	0.0	4.0	0.0	0.0	40.0	66.5	29.5	20.0	59.5	6.0	0.0	0.0	225.5
1953	0.0	0.0	0.0	44.0	26.0	22.0	47.0	146.0	19.0	7.0	0.0	0.0	311.0
1954	0.0	0.0	0.0	43.0	47.0	42.0	34.0	11.0	0.0	0.0	0.0	0.0	177.0
1955	0.0	0.0	0.0	9.0	64.0	0.0	9.0	19.0	7.0	25.0	0.0	0.0	133.0
1956	0.0	0.0	8.0	0.0	6.0	0.0	28.0	41.0	9.0	0.0	0.0	0.0	92.0
1957	0.0	0.0	0.0	0.0	248.0	31.0	49.0	11.0	14.0	0.0	0.0	8.0	361.0
1958	0.0	0.0	0.0	0.0	45.0	82.0	18.0	43.0	0.0	0.0	0.0	0.0	188.0
1959	0.0	0.0	0.0	9.0	24.0	51.0	21.0	29.0	0.0	6.0	0.0	0.0	140.0
1960	0.0	0.0	0.0	0.0	17.0	80.0	35.0	30.1	11.2	0.0	0.0	0.0	173.3
1961	0.0	0.0	4.5	0.0	1.5	90.5	12.0	27.5	12.0	23.0	0.0	1.0	172.0
1962	0.0	0.0	0.0	0.0	2.5	99.2	8.0	10.0	10.0	4.0	0.0	0.0	243.7
1963	10.0	0.0	0.5	0.0	10.0	35.6	53.0	43.2	120.7	19.0	7.5	0.0	299.5
1964	0.0	0.0	0.0	0.0	0.0	56.0	10.5	39.5	0.0	0.0	0.0	0.0	106.0
1965	0.0	0.0	0.0	10.0	31.0	5.5	152.3	173.8	3.6	4.0	0.5	2.6	383.3
1966	0.0	0.0	0.0	22.6	2.0	105.1	70.8	19.2	0.0	0.0	0.0	0.0	219.7
1967	0.0	0.0	0.0	-1.0	2.0	37.5	29.5	4.0	21.0	12.5	0.0	0.0	-1.0
1968	0.0	0.0	0.0	0.0	0.0	6.0	-1.0	8.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92.0
MAX	10.0	35.0	20.0	44.0	248.0	105.1	152.3	173.8	120.7	27.0	15.0	9.0	383.3
PROM	0.4	1.9	1.4	8.1	33.4	47.8	37.0	39.5	14.6	7.0	1.2	0.8	205.1
DESV	1.9	7.0	4.2	13.0	48.3	32.1	32.3	43.2	25.6	9.3	3.5	2.3	79.7
CV	5.2	3.7	3.0	1.6	1.4	0.7	0.9	1.1	1.8	1.3	2.9	2.9	0.4

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 3 HOYA 214 PETORICA SUP 2040 (KM2)

EST 6 TRAPICHE

LAT 3214 LON 7042 ALT 1072 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	-1.0	0.0	0.0	0.0	23.0	122.1	11.0	13.0	1.2	11.5	0.0	0.0	-1.0
1963	9.9	0.0	0.0	0.0	13.4	50.0	63.0	53.0	125.4	7.6	40.0	0.0	362.3
1964	0.0	0.0	0.0	0.0	0.0	66.5	16.0	45.3	0.0	0.0	0.0	0.0	127.8
1965	0.0	0.0	0.0	9.0	33.0	8.4	158.5	143.5	14.5	15.5	0.0	5.0	387.4
1966	0.0	0.0	0.0	17.5	4.0	99.7	82.5	49.0	0.0	1.0	5.3	4.0	263.0
1967	0.0	0.0	0.0	0.0	0.0	45.0	46.5	8.0	33.0	14.5	0.0	0.0	147.0
1968	-1.0	-1.0	-1.0	-1.0	0.0	11.0	0.0	11.0	45.0	0.0	0.0	0.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	8.4	0.0	8.0	0.0	0.0	0.0	0.0	127.8
MAX	9.9	0.0	0.0	17.5	33.0	122.1	158.5	143.5	125.4	15.5	40.0	5.0	387.4
PROM	2.0	0.0	0.0	4.4	10.5	57.5	53.9	46.1	31.3	7.2	6.5	1.3	257.5
DESV	4.4	0.0	0.0	7.4	13.2	42.5	54.9	47.1	45.1	6.9	14.9	2.2	119.3
CV	2.2	-1.0	-1.0	1.7	1.3	0.7	1.0	1.0	1.4	1.0	2.3	1.7	0.5

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

*****													
ZONA	3		HOYA 214		PETORCA		SUP 2040 (KM2)					*****	
*****													
			EST 7		EL SOERANTE HCA								
			LAT 3214		LDN 7057								
*****													
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
*****													
1946	0.0	0.0	0.0	5.5	30.0	23.4	30.9	11.4	0.0	0.2	0.0	0.0	101.4
1947	0.0	0.0	14.2	7.9	0.5	66.9	43.0	40.5	0.0	25.8	0.0	0.0	199.4
1948	0.0	0.0	5.5	30.1	80.2	42.1	88.1	9.6	10.3	2.3	0.0	0.0	268.2
1949	2.0	0.0	0.0	0.0	79.0	20.2	47.0	48.1	1.3	0.0	0.0	0.0	198.8
1950	0.0	0.0	0.0	55.8	90.9	0.0	0.0	17.1	16.0	12.2	10.3	0.0	202.3
1951	0.0	0.0	0.0	10.7	47.2	33.9	90.7	12.8	32.8	0.0	0.0	0.0	234.1
1952	0.0	3.5	0.0	0.0	40.7	79.4	34.8	20.5	61.9	4.3	0.0	0.0	251.1
1953	0.0	0.0	0.0	49.3	48.6	18.9	46.1	102.5	31.8	7.0	0.0	0.0	364.2
1954	0.0	0.0	0.0	47.6	46.6	26.4	38.5	10.8	0.0	0.0	0.0	0.0	175.9
1955	0.0	0.0	0.0	8.3	87.9	14.1	31.1	23.0	4.9	63.9	1.7	0.0	234.9
1956	0.0	0.0	26.4	3.5	5.2	5.4	30.5	51.2	7.0	4.3	0.0	2.2	142.3
1957	0.0	0.0	0.0	0.0	259.6	5.7	49.6	21.0	17.8	0.0	0.0	17.5	371.2
1958	0.0	0.0	0.0	0.0	57.7	83.4	17.2	24.8	6.9	1.2	0.0	0.0	185.2
1959	0.0	0.0	0.0	15.8	33.7	52.2	23.5	46.4	0.0	9.0	0.0	0.0	180.0
1960	0.0	0.0	0.0	0.0	25.7	71.1	31.5	16.0	15.2	4.0	0.0	0.0	164.1
1961	0.0	0.0	3.5	0.0	3.5	103.3	9.0	53.2	10.7	25.2	0.0	1.1	213.7
1962	0.0	0.0	0.0	0.0	4.9	118.1	8.0	10.7	2.0	5.2	0.0	0.0	148.9
1963	7.2	0.0	0.0	0.0	14.4	44.6	80.3	64.1	115.3	11.4	9.3	0.0	326.6
1964	0.0	0.0	0.0	0.0	0.0	63.9	10.4	42.8	0.0	0.0	0.0	0.0	117.1
1965	0.0	0.0	0.0	3.7	32.8	6.0	145.2	149.6	6.2	8.8	2.5	0.0	355.4
1966	0.0	0.0	0.0	17.3	2.4	95.9	73.1	21.2	0.0	0.0	4.5	2.8	217.2
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0	0.0	0.0	0.0	101.4
MAX	7.2	3.5	26.4	55.8	259.6	118.1	145.2	149.6	115.3	63.9	10.3	17.5	371.2
PROM	0.4	0.2	2.4	12.2	47.2	46.4	43.3	38.0	16.2	8.8	1.3	1.1	221.5
DESV	1.6	0.8	6.4	18.0	57.0	35.6	33.9	34.4	27.3	14.7	3.0	3.8	78.1
CV	3.7	4.6	2.7	1.5	1.2	0.8	0.8	0.9	1.7	1.7	2.2	3.4	0.4
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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 214 PEIORCA SUP 2040 (KM2)  
 EST 8 HIERRO VIEJO RETEN  
 LAT 3216 LON 7103 ALT 225 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	6.0	0.0	0.0	-1.0
1963	4.0	0.0	-1.0	0.0	31.0	33.0	99.0	87.0	148.0	0.0	0.0	0.0	-1.0
1964	0.0	0.0	0.0	0.0	0.0	52.0	15.0	52.0	0.0	-1.0	0.0	0.0	-1.0
1965	0.0	0.0	0.0	0.0	44.0	11.0	179.0	178.0	0.0	2.0	0.0	3.0	417.0
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	0.0	0.0	0.0	0.0	8.0	53.0	55.0	10.0	65.0	0.0	0.0	0.0	191.0
1968	0.0	0.0	0.0	0.0	0.0	12.0	0.0	18.0	0.0	0.0	0.0	0.0	30.0
MIN	0.0	0.0	0.0	0.0	0.0	11.0	0.0	10.0	0.0	0.0	0.0	0.0	30.0
MAX	4.0	0.0	0.0	0.0	44.0	53.0	179.0	178.0	148.0	6.0	0.0	3.0	417.0
PRDM	0.8	0.0	0.0	0.0	16.6	32.2	69.6	69.0	42.6	1.6	0.0	0.5	212.7
DESV	1.8	0.0	0.0	0.0	19.8	20.5	72.2	68.1	65.3	2.6	0.0	1.2	194.4
CV	2.2	-1.0	-1.0	-1.0	1.2	0.6	1.0	1.0	1.5	1.6	-1.0	2.4	0.9

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

*****													
*****													
ZONA 3		HOYA 214		PETORCA		SUP 2040 (KM2)							
		EST 9		PETORCA									
		LAT 3215		LON 7058		ALT 501 (MTS)							
*****													
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
*****													
1927	0.0	0.0	0.0	0.0	37.8	100.4	56.9	31.2	22.2	0.5	0.0	0.0	249.0
1928	0.0	0.0	0.0	29.8	48.8	95.4	31.3	4.4	2.3	1.3	0.0	0.0	213.3
1929	2.1	0.0	0.0	0.0	32.0	80.2	26.5	107.2	7.6	0.0	0.0	0.1	255.7
1930	0.0	0.0	2.5	15.0	36.7	64.9	103.9	161.5	5.5	41.4	0.0	0.0	434.9
1931	3.5	0.0	0.0	1.3	21.5	34.8	104.0	35.0	48.4	0.0	23.7	0.0	272.2
1932	0.0	0.1	0.0	6.5	42.0	62.6	22.0	81.0	3.0	0.0	0.0	6.0	223.2
1933	16.0	9.3	0.0	0.0	26.0	71.0	21.0	16.0	6.0	5.0	0.0	0.0	170.3
1934	0.0	0.0	1.4	0.0	120.1	54.0	9.3	1.6	16.2	8.2	0.0	3.8	214.6
1935	0.0	0.0	0.0	0.0	13.9	48.7	32.8	14.9	1.8	30.2	0.0	0.0	142.3
1936	0.0	0.0	0.0	17.0	61.4	43.7	72.6	76.2	7.8	0.0	0.0	0.0	278.7
1937	0.0	0.0	0.0	0.0	9.5	22.5	46.7	59.8	83.7	8.5	1.1	0.0	231.8
1938	0.0	0.0	35.4	0.0	94.1	84.4	22.4	0.0	0.0	9.1	0.0	0.0	245.4
1939	0.0	0.0	0.0	0.0	15.0	62.7	4.1	22.0	8.1	12.1	0.0	42.6	166.6
1940	0.0	0.0	0.0	7.1	20.3	67.6	79.7	40.9	17.4	1.8	0.0	0.0	234.8
1941	0.0	0.0	0.0	88.7	61.9	89.1	80.6	139.3	0.0	0.0	1.9	0.0	461.5
1942	0.0	0.0	0.0	0.0	24.5	79.1	70.1	113.5	10.2	11.1	17.4	0.0	325.9
1943	0.0	0.0	11.3	0.0	20.3	30.6	20.6	42.1	1.6	9.2	0.0	0.0	135.7
1944	0.2	10.0	0.0	8.0	50.2	135.0	18.0	155.0	0.0	19.0	0.0	0.0	395.4
1945	0.0	61.5	0.0	5.0	0.0	0.0	7.6	43.1	21.6	0.0	0.0	0.0	138.8
1946	0.0	0.0	0.0	7.7	25.5	26.0	29.6	36.9	0.0	0.0	0.0	0.0	125.7
1947	0.0	0.0	0.0	3.7	1.6	78.9	49.0	42.3	0.0	35.0	0.0	0.0	210.5
1948	0.0	0.0	0.8	43.6	71.1	42.3	101.4	6.7	2.2	0.0	0.0	0.0	268.1
1949	0.0	0.0	0.0	0.0	66.6	47.6	47.8	23.5	0.0	0.0	0.0	0.0	185.6
1950	0.0	0.0	0.0	54.0	113.0	0.0	0.0	11.1	22.4	7.2	9.2	0.0	216.9
1951	0.0	0.0	0.0	24.0	46.5	48.1	92.2	5.5	24.1	0.0	0.0	0.0	240.4
1952	0.0	0.0	0.0	0.0	46.7	77.5	34.3	16.0	52.0	4.8	0.0	0.0	231.3
1953	0.0	0.0	0.0	31.0	66.9	18.6	48.6	168.7	35.4	5.1	0.0	0.0	374.3
1954	0.0	0.0	0.0	52.7	33.6	65.0	42.9	24.5	0.0	0.0	0.0	0.0	218.7
1955	0.0	0.0	0.0	6.5	85.0	21.8	25.2	28.3	3.1	52.0	0.0	0.0	221.9
1956	0.0	0.0	23.5	8.2	8.1	7.2	42.4	53.2	12.6	0.0	0.7	0.0	155.9
1957	0.0	0.0	0.0	0.0	267.2	11.4	65.4	21.7	20.0	0.0	0.0	15.5	401.2
1958	0.0	0.0	0.0	0.0	66.7	79.7	24.5	39.4	7.6	2.1	0.0	0.0	220.0
1959	0.0	0.0	0.0	6.5	28.3	58.7	29.6	41.8	0.0	0.6	0.0	0.0	165.5
1960	0.0	0.0	0.0	0.0	18.0	103.2	34.5	28.2	10.5	0.0	0.0	0.0	194.4
1961	0.0	0.0	0.0	0.0	3.1	115.0	10.3	61.3	7.6	22.3	0.0	0.0	219.6
1962	0.0	0.0	0.0	0.0	3.7	135.0	6.7	9.8	1.1	5.4	0.0	0.0	161.7
1963	5.8	0.0	1.4	0.0	13.8	33.5	85.8	66.2	126.4	0.0	5.0	0.0	337.9
1964	0.0	0.0	0.0	0.0	0.0	55.0	12.0	43.0	0.0	0.0	0.0	0.0	110.0
1965	0.0	0.0	0.0	0.0	4.0	7.0	169.0	169.0	5.1	0.0	0.0	3.0	357.1
1966	0.0	0.0	0.0	27.0	3.5	104.0	62.0	7.5	0.0	0.0	5.0	3.0	212.0
1967	0.0	0.0	0.0	0.0	4.0	20.0	34.0	9.7	34.4	5.0	0.6	0.0	107.7
1968	0.0	0.0	0.0	0.0	0.0	6.3	0.5	15.0	19.0	0.0	0.0	0.0	40.8
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.8
MAX	16.0	61.5	35.4	88.7	267.2	135.0	169.0	169.0	126.4	52.0	23.7	42.6	461.5
PROM	0.7	1.9	1.8	10.6	40.8	56.9	44.7	49.4	15.4	7.1	1.6	1.8	232.6
DESV	2.7	9.6	6.6	19.0	47.4	35.9	35.4	48.5	24.9	12.2	4.7	7.0	91.7
CV	4.0	5.0	3.7	1.8	1.2	0.6	0.8	1.0	1.6	1.7	2.9	4.0	0.4
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZCNA 3 HOYA 214 PETORCA SUP 2040 1KM2  
 EST 10 TRAPICHE FDO LONG  
 LAT 3220 LDN 7119  
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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	30.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1947	0.0	0.0	0.0	0.0	5.0	84.0	81.1	46.0	0.0	22.0	0.0	0.0	238.1
1948	0.0	0.0	0.0	56.0	64.5	24.6	110.9	5.0	3.6	3.3	0.0	0.0	267.9
1949	0.0	0.0	0.0	0.0	112.6	43.9	51.6	22.6	0.0	0.0	0.0	1.0	231.7
1950	0.0	0.0	0.0	68.2	129.6	2.0	0.0	30.6	27.0	16.0	50.0	0.0	323.4
1951	0.0	0.0	0.0	20.0	78.1	84.3	99.4	1.6	17.7	0.0	0.0	0.0	301.1
1952	0.0	0.0	0.0	0.0	40.6	132.9	79.5	16.1	21.6	7.4	0.0	0.0	298.1
1953	3.2	0.0	0.0	24.4	112.9	22.5	75.5	172.0	47.1	1.7	0.0	0.0	459.3
1954	0.0	0.0	0.0	73.1	38.8	102.3	40.7	22.8	4.6	0.0	0.0	0.0	282.3
1955	0.0	0.0	0.0	0.0	50.8	15.0	23.4	30.1	0.0	24.6	0.0	0.0	143.9
1956	0.0	0.0	60.6	17.1	5.0	8.1	66.6	72.1	34.0	0.0	0.0	0.0	268.5
1957	0.0	0.0	0.0	0.0	256.8	21.3	96.3	18.3	30.6	0.0	0.0	40.0	463.3
1958	0.0	0.0	0.0	0.0	65.7	151.7	77.5	77.5	3.0	0.0	0.0	0.0	375.4
1959	0.0	0.0	0.0	12.0	30.7	89.7	6.9	26.2	8.8	0.0	0.0	0.0	169.3
1960	0.0	0.0	0.0	0.0	31.0	79.0	23.6	38.5	1.5	0.0	0.0	0.0	173.6
1961	0.0	0.0	0.0	0.0	9.5	100.4	38.0	68.1	8.7	1.0	0.0	0.0	225.7
1962	0.0	0.0	0.0	0.0	7.4	114.0	16.0	8.9	6.8	10.0	0.0	0.0	163.1
1963	0.0	0.0	0.0	0.0	43.9	23.0	106.8	116.4	140.7	0.0	0.0	0.0	430.8
1964	0.0	0.0	0.0	0.0	0.0	50.9	16.0	69.4	0.0	0.0	0.0	0.0	136.3
1965	0.0	0.0	0.0	1.1	52.1	19.1	253.3	226.7	0.0	0.0	0.0	0.6	552.9
1966	0.0	0.0	0.0	78.4	3.5	147.9	126.3	21.0	0.2	0.0	5.4	18.4	401.1
1967	0.0	0.0	0.0	1.3	16.0	46.0	57.0	17.0	57.0	1.5	2.2	0.0	198.0
1968	0.0	0.0	0.0	1.5	0.0	10.0	1.0	14.0	16.0	0.0	0.0	0.0	42.5
MIN	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.6	0.0	0.0	0.0	0.0	42.5
MAX	3.2	0.0	60.6	78.4	256.8	151.7	253.3	226.7	140.7	24.6	50.0	40.0	552.9
PROM	0.1	0.0	2.8	16.0	52.5	61.0	65.8	50.9	19.3	4.0	2.6	2.7	279.4
DESV	0.7	0.0	12.9	26.8	59.7	47.4	56.7	56.4	31.7	7.5	10.7	9.2	126.5
CV	4.7	-1.0	4.7	1.7	1.1	0.8	0.9	1.1	1.6	1.9	4.1	3.4	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS -

PRECIPITACIONES (MM)

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ZONA 3 HOYA 214 PETORCA SUP 2 40 (KM2)

EST 11 PEDEHUA FDO

LAT 3218 LON 7105

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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	22.0	52.0	0.0	0.0	0.0	0.0	-1.0
1947	0.0	0.0	0.9	0.0	0.0	3.0	86.0	79.0	51.0	0.0	0.0	0.0	261.9
1948	0.0	0.0	0.0	0.0	37.5	80.6	35.5	112.6	7.6	0.0	0.0	0.0	273.8
1949	0.0	0.0	0.0	0.0	0.0	110.0	30.3	43.9	19.5	0.0	0.0	0.0	203.7
1950	0.0	0.0	0.0	0.0	64.5	128.7	3.3	0.0	30.6	27.0	16.2	50.0	320.3
1951	0.0	0.0	0.0	0.0	24.7	53.5	60.1	114.1	1.6	17.7	0.0	0.0	271.7
1952	0.0	0.0	0.0	0.0	0.0	46.9	116.5	46.6	13.0	35.7	2.7	0.0	261.4
1968	0.0	0.0	0.0	2.0	0.0	11.0	1.0	16.0	31.0	0.0	0.0	0.0	61.0
MIN	0.0	0.0	0.0	0.0	0.0	3.3	0.0	1.6	0.0	0.0	0.0	0.0	61.0
MAX	0.0	0.0	0.9	64.5	128.7	116.5	114.1	52.0	35.7	42.0	50.0	0.0	320.3
PROM	0.0	0.0	0.1	18.4	60.4	49.0	52.4	23.9	13.9	7.6	6.3	0.0	236.3
DESV	0.0	0.0	0.3	25.2	49.5	41.1	45.6	19.0	15.7	15.0	17.7	0.0	84.5
CV	-1.0	-1.0	2.6	1.4	0.8	0.8	0.9	0.8	1.1	2.0	2.8	-1.0	0.4

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
ZONA 3 HOYA 214 PETORCA SUP 2040 (KM2)  
EST 12 CHINGOLCO OMC  
LAT 3213 LON 7052  
\*\*\*\*\*  
AND ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT  
1968 0.0 0.0 12.0 2.0 0.0 -1.0 0.3 -1.0 21.0 0.0 0.0 0.0 -1.0  
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PRECIPITACIONES (MM)

*****													
ZONA	3												HOYA 214 PETORCA
													SUP 2040 (KM2)
													EST 13 CABILDO
													LAT 3225 LON 7106 ALT 177 (MTS)
*****													
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
*****													
1931	15.0	0.0	0.0	6.0	22.0	57.0	173.0	77.9	51.6	0.0	12.2	0.0	414.7
1932	0.0	0.0	0.0	8.0	53.0	87.0	63.4	113.2	7.2	0.0	0.0	24.0	355.8
1933	23.5	5.0	0.0	0.0	31.3	137.5	39.8	46.0	2.0	3.2	0.0	0.0	268.3
1934	0.0	0.0	0.0	0.0	245.0	124.0	11.2	8.0	18.0	21.0	0.0	0.0	427.2
1936	0.0	0.0	0.0	10.0	112.4	51.1	91.9	86.3	12.5	2.4	0.0	0.0	372.0
1937	0.0	0.0	0.0	0.0	20.3	48.5	72.8	92.6	16.1	21.1	0.0	0.0	271.4
1938	0.0	0.0	0.0	0.0	113.5	41.7	43.9	0.0	0.0	15.4	0.0	0.0	214.5
1939	0.0	0.0	0.0	0.0	47.7	106.4	8.3	39.9	0.0	18.5	0.0	48.7	269.5
1940	0.0	6.8	0.0	1.9	33.7	87.2	125.9	27.3	13.1	0.0	0.0	0.0	295.9
1941	0.0	0.0	0.0	79.2	79.1	99.8	178.6	207.5	0.0	0.0	7.7	0.0	651.9
1942	0.0	0.0	0.0	0.0	24.0	73.8	130.3	129.3	1.6	32.2	54.2	0.0	445.4
1943	0.0	0.0	8.2	0.0	21.9	39.8	27.2	105.6	0.0	11.1	0.0	0.0	213.8
1944	0.0	4.0	0.0	22.0	40.6	180.6	28.9	220.9	0.0	45.5	0.0	0.0	542.5
1945	0.0	129.9	0.0	10.8	0.0	0.0	17.1	86.7	28.4	0.0	0.0	0.0	272.9
1946	0.0	0.0	0.0	12.4	29.3	55.5	23.1	40.0	0.0	0.0	0.0	0.0	160.3
1947	0.0	0.0	0.0	0.0	5.0	117.0	53.0	55.0	0.0	22.0	0.0	0.0	252.0
1948	0.0	0.0	0.0	35.0	48.0	55.0	140.0	0.0	0.0	0.0	0.0	0.0	278.0
1949	0.0	0.0	0.0	0.0	94.0	66.5	21.0	23.0	0.0	0.0	0.0	0.0	204.5
1950	0.0	0.0	0.0	44.0	111.0	3.0	0.0	34.0	20.0	0.0	9.0	0.0	221.0
1951	0.0	0.0	0.0	44.0	67.0	78.0	124.0	0.0	18.0	0.0	0.0	0.0	331.0
1952	0.0	0.0	0.0	0.0	44.0	67.0	36.0	7.0	17.0	5.0	0.0	0.0	176.0
1953	0.0	0.0	0.0	20.0	95.0	2.0	86.0	211.0	85.0	0.0	0.0	0.0	499.0
1954	0.0	0.0	0.0	44.0	39.0	57.0	24.0	10.0	0.0	0.0	0.0	0.0	174.0
1955	0.0	0.0	0.0	1.0	97.0	24.0	18.5	33.0	10.0	18.0	0.0	0.0	201.5
1956	0.0	0.0	25.0	56.0	9.0	4.0	56.0	71.0	18.0	1.0	0.0	0.0	240.0
1957	0.0	0.0	0.0	0.0	232.0	14.0	71.0	9.0	22.0	0.0	0.0	25.0	373.0
1958	0.0	0.0	0.0	0.0	68.0	171.0	23.0	67.0	0.0	1.0	0.0	0.0	330.0
1959	0.0	0.0	0.0	10.0	43.0	108.0	53.0	74.0	5.0	6.0	0.0	0.0	299.0
1960	0.0	0.0	0.0	0.0	25.0	134.0	43.0	40.0	6.0	0.0	0.0	0.0	248.0
1961	0.0	0.0	1.0	0.0	8.0	157.0	22.0	114.0	18.0	11.0	0.0	0.0	331.0
1962	0.0	0.0	0.0	0.0	5.0	129.0	13.0	3.0	2.5	12.0	0.0	0.0	164.5
1963	0.0	0.0	1.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1964	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
*****													
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	160.3
MAX	23.5	129.9	25.0	79.2	245.0	180.6	178.6	220.9	85.0	45.5	54.2	48.7	651.9
PROM	1.2	4.4	1.1	12.6	60.1	76.7	58.7	65.6	12.0	7.9	2.7	3.2	306.4
DESV	4.8	22.6	4.6	20.3	58.4	50.7	49.6	62.0	17.8	11.4	10.0	10.4	116.8
CV	4.1	5.1	4.2	1.6	1.0	0.7	0.8	0.9	1.5	1.4	3.7	3.3	0.4
*****													

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 215 LIGUA SUP 1930 (KM2)  
 EST 1 LA ARENA HDA ALIC  
 LAT 3218 LON 7043  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1953	0.0	0.0	0.0	41.0	67.0	24.0	60.0	292.0	35.4	5.1	0.0	0.0	524.5
1954	0.0	0.0	0.0	55.0	84.0	85.5	37.0	18.0	0.0	0.0	0.0	0.0	279.5
1955	0.0	0.0	2.0	17.0	119.0	18.0	32.0	29.0	8.0	48.0	0.0	0.0	273.0
1956	0.0	0.0	22.0	10.0	2.0	12.0	53.0	72.0	19.0	0.0	0.0	5.0	195.0
1957	0.0	0.0	0.0	0.0	269.0	16.0	57.0	50.0	23.0	0.0	0.0	42.0	457.0
1958	0.0	0.0	0.0	0.0	99.0	139.0	27.0	51.0	0.0	0.0	0.0	0.0	316.0
1959	0.0	0.0	0.0	6.5	53.0	98.0	55.0	68.0	0.0	12.0	0.0	0.0	292.5
1960	0.0	0.0	0.0	0.0	32.0	131.0	46.0	26.0	17.0	2.0	0.0	0.0	254.0
1961	0.0	0.0	12.0	0.0	12.0	182.0	16.0	102.0	7.0	30.0	0.0	0.0	361.0
1962	0.0	0.0	0.0	0.0	24.0	186.3	18.3	9.4	5.2	14.8	0.0	0.0	258.0
1963	11.0	0.0	0.0	0.0	32.4	93.4	113.8	99.3	172.9	18.9	26.3	0.0	508.0
1964	0.0	0.0	0.0	0.0	0.0	92.5	31.0	53.5	0.0	0.0	0.0	0.0	117.0
1965	0.0	0.0	0.0	14.7	60.0	13.8	197.8	223.1	23.1	15.0	0.0	8.0	555.5
1966	0.0	0.0	0.0	21.8	9.5	150.9	99.1	42.0	0.0	0.0	10.5	-1.0	-1.0
1967	0.0	0.0	-1.0	0.0	20.0	18.0	48.0	13.0	40.0	0.0	0.0	0.0	-1.0
1968	0.0	0.0	0.0	12.0	0.0	16.0	0.0	2.0	0.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	12.0	0.0	2.0	0.0	0.0	0.0	0.0	117.0
MAX	11.0	0.0	22.0	55.0	269.0	186.3	197.8	292.0	172.9	48.0	26.3	42.0	555.5
PROM	0.7	0.0	2.4	11.1	55.2	79.8	55.7	71.9	21.9	9.7	2.5	3.9	337.8
DESV	2.8	0.0	6.2	16.3	67.7	64.0	47.6	79.3	42.4	14.0	7.1	11.2	135.0
CV	4.0	-1.0	2.6	1.5	1.2	0.8	0.9	1.1	1.9	1.4	2.9	2.9	0.4

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 3 HOYA 215 LIGUA SUP 1930 (KM2)

EST 2 LACHUPALLA

LAT 3219 LON 7035 ALT 1670 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	-1.0	-1.0	-1.0	-1.0	10.2	133.2	17.0	14.2	0.0	21.0	0.0	0.0	-1.0
1963	11.0	0.0	0.0	0.0	20.1	75.0	69.3	60.0	172.0	14.4	6.0	0.0	427.8
1964	0.0	0.0	4.0	0.0	0.0	102.0	22.0	37.0	0.0	0.0	0.0	0.0	165.0
1965	0.0	0.0	0.0	13.0	2.0	8.0	215.5	200.0	19.0	5.0	23.0	0.0	485.5
1966	0.0	0.0	0.0	17.0	8.0	138.0	85.0	27.0	0.0	0.0	9.0	10.0	294.0
1967	0.0	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	8.0	17.0	14.2	0.0	0.0	0.0	0.0	165.0
MAX	11.0	0.0	4.0	17.0	20.1	138.0	215.5	200.0	172.0	21.0	23.0	10.0	485.5
PROM	2.2	0.0	0.8	6.0	6.7	91.2	81.8	67.6	38.2	8.1	7.6	2.0	343.1
DESV	4.9	0.0	1.8	8.3	7.8	53.0	80.3	75.9	75.2	9.3	9.4	4.5	143.3
CV	2.2	-1.0	2.2	1.4	1.2	0.6	1.0	1.1	2.0	1.2	1.2	2.2	0.4

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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 ZONA 3 HOYA 215 LIGUA SUP 1930 (KM2)  
 EST 3 ADM HDA ALICAHUE  
 LAT 3219 LON 7047 ALT 885 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1952	0.0	0.0	0.0	0.0	90.7	101.3	37.0	16.0	66.0	7.5	0.0	0.0	318.5
1953	0.0	0.0	0.0	53.0	68.0	17.0	53.5	223.0	47.1	1.7	0.0	0.0	463.3
1954	0.0	0.0	0.0	44.0	60.0	70.0	47.0	20.0	0.0	0.0	0.0	0.0	241.0
1955	0.0	0.0	0.0	10.0	91.0	19.0	26.0	26.0	7.0	39.0	0.0	0.0	218.0
1956	0.0	0.0	19.0	7.0	0.0	6.0	48.0	52.0	16.0	0.0	0.0	3.0	153.0
1957	0.0	0.0	0.0	0.0	273.0	17.0	64.5	45.0	21.0	0.0	0.0	42.0	462.5
1958	0.0	0.0	0.0	0.0	97.0	164.0	21.0	46.0	0.0	0.0	0.0	0.0	328.0
1959	0.0	0.0	0.0	12.0	48.0	72.0	31.0	66.0	0.0	15.0	0.0	0.0	244.0
1960	0.0	0.0	0.0	0.0	26.0	122.0	37.0	23.0	11.0	2.0	0.0	0.0	221.0
1961	0.0	0.0	0.0	0.0	7.0	116.0	12.0	88.0	20.0	26.0	0.0	0.0	269.0
1962	0.0	0.0	0.0	0.0	13.0	135.9	19.0	7.8	5.8	13.0	0.0	0.0	194.5
1963	2.3	0.0	0.0	0.0	18.5	57.6	69.4	71.4	145.4	17.6	10.8	0.0	393.0
1964	0.0	0.0	0.0	0.0	0.0	0.0	64.9	18.3	55.0	0.0	0.0	0.0	138.2
1965	0.0	0.0	0.0	12.0	36.0	5.3	181.3	160.5	18.5	1.5	0.0	7.9	442.8
1966	0.0	0.0	0.0	9.2	5.4	122.4	79.2	29.0	0.0	0.0	10.5	-1.0	-1.0
1968	0.0	0.0	0.0	6.0	0.0	7.0	0.0	11.0	-1.0	0.0	0.0	0.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	5.3	0.0	7.8	0.0	0.0	0.0	0.0	138.2
MAX	2.3	0.0	19.0	53.0	273.0	164.0	181.3	223.0	145.4	39.0	10.8	42.0	463.3
PROM	0.1	0.0	1.2	9.6	52.1	68.6	46.5	58.7	23.9	7.7	1.3	3.5	291.9
DESV	0.6	0.0	4.8	16.0	68.4	53.1	42.1	57.9	38.6	11.6	3.6	10.9	111.6
CV	4.0	-1.0	4.0	1.7	1.3	0.8	0.9	1.0	1.6	1.5	2.7	3.1	0.4

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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 ZONA 3 HOYA 215 LIGUA SUP 1930 (KM2)  
 EST 4 COLLIGUAY HCA ALIC  
 LAT 3220 LON 7044 ALT 885 (MTS)  
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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	187.0	25.5	24.0	5.0	25.5	0.0	0.0	-1.0
1963	0.0	0.0	2.0	0.0	30.0	80.0	90.0	92.0	162.0	35.0	21.0	0.0	512.0
1964	0.0	0.0	0.0	0.0	0.0	76.5	37.5	57.5	0.0	0.0	0.0	0.0	171.5
1965	0.0	0.0	0.0	11.0	51.0	12.0	184.5	244.5	8.5	16.0	0.0	0.0	527.5
1966	0.0	0.0	0.0	0.0	0.0	149.0	85.0	45.5	0.0	0.0	12.5	0.0	157.9
1967	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	12.0	25.5	24.0	0.0	0.0	0.0	0.0	157.9
MAX	0.0	0.0	2.0	11.0	51.0	187.0	184.5	244.5	162.0	35.0	21.0	0.0	527.5
PROM	0.0	0.0	0.4	2.2	20.3	100.9	84.5	92.7	35.1	15.3	6.7	0.0	342.2
DESV	0.0	0.0	0.9	4.9	24.9	68.3	62.7	88.4	71.0	15.5	9.7	0.0	205.2
CV	-1.0	-1.0	2.2	2.2	1.2	0.7	0.7	1.0	2.0	1.0	1.4	-1.0	0.6

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 3

HOYA 215 LIGUA  
EST 6 LAS CASAS HDA ALIC  
LAT 3221 LON 7048

SUP 1930 (KM2)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1952	0.0	0.0	0.0	0.0	90.0	92.9	38.1	21.5	65.5	12.8	0.0	0.0	321.4
1953	0.0	0.0	0.0	55.5	69.0	30.5	65.7	247.0	85.0	0.0	0.0	0.0	552.7
1954	0.0	0.0	0.0	52.0	77.0	79.0	47.0	24.5	0.0	0.0	0.0	0.0	279.5
1955	0.0	0.0	1.0	15.0	101.0	19.0	42.0	33.0	13.0	49.0	0.0	0.0	273.0
1956	0.0	0.0	20.0	10.0	2.0	7.0	58.0	66.0	20.0	0.0	0.0	3.0	186.0
1957	0.0	0.0	0.0	0.0	278.0	15.0	68.0	53.5	23.0	0.0	0.0	43.0	480.5
1958	0.0	0.0	0.0	0.0	107.0	123.0	21.0	53.0	0.0	0.0	0.0	0.0	304.0
1959	0.0	0.0	0.0	10.0	50.0	74.0	35.0	71.0	0.0	22.0	0.0	0.0	262.0
1960	0.0	0.0	0.0	0.0	27.0	105.0	32.0	20.0	19.0	6.0	0.0	0.0	209.0
1961	0.0	0.0	1.0	0.0	7.0	106.0	14.0	90.0	21.0	26.0	0.0	0.0	265.0
1962	0.0	0.0	0.0	0.0	13.0	143.9	20.3	5.7	6.0	13.2	0.0	0.0	202.1
1963	6.0	0.0	0.0	0.0	12.9	59.9	70.8	74.8	148.7	18.0	13.6	0.0	404.7
1964	0.0	0.0	0.0	0.0	0.0	71.9	15.5	49.4	0.0	0.0	0.0	0.0	136.8
1965	0.0	0.0	0.0	10.0	35.9	6.3	176.5	180.9	19.4	3.9	0.0	7.6	440.5
1966	0.0	0.0	0.0	14.3	5.6	120.6	79.0	30.3	0.0	0.0	10.5	-1.0	-1.0
1967	0.0	0.0	0.0	0.5	-1.0	0.4	31.0	8.1	38.0	0.0	0.0	0.0	-1.0
1968	0.0	0.0	0.0	6.0	0.0	8.0	1.0	10.0	-1.0	0.0	0.0	0.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	0.4	1.0	5.7	0.0	0.0	0.0	0.0	136.8
MAX	6.0	0.0	20.0	55.5	278.0	143.9	176.5	247.0	148.7	49.0	13.6	43.0	552.7
PROM	0.4	0.0	1.3	10.2	54.7	62.5	47.9	61.1	28.7	8.9	1.4	3.3	308.4
DESV	1.5	0.0	4.8	17.3	70.6	48.1	40.0	63.8	40.2	13.5	4.0	10.8	120.2
CV	4.1	-1.0	3.7	1.7	1.3	0.8	0.8	1.0	1.4	1.5	2.8	3.2	0.4

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 3

HOYA 215 LIGUA  
EST 7 LA MOSTAZA HDA ALIC  
LAT 3225 LON 7042

SUP 1930 (KM2)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1952	0.0	0.0	0.0	0.0	103.0	92.0	41.0	30.0	61.0	13.5	0.0	0.0	340.5
1953	0.0	0.0	0.0	49.0	56.0	20.5	56.0	286.0	47.1	1.7	0.0	0.0	516.3
1954	0.0	0.0	0.0	43.0	58.0	73.0	40.0	18.0	0.0	0.0	0.0	0.0	232.0
1955	0.0	0.0	1.0	17.0	109.0	19.0	48.0	30.0	9.0	48.0	0.0	0.0	281.0
1956	0.0	0.0	11.0	10.0	3.0	10.0	64.0	65.0	17.0	0.0	0.0	5.0	185.0
1957	0.0	0.0	0.0	0.0	244.0	7.0	58.0	54.0	21.0	0.0	0.0	40.0	424.0
1958	0.0	0.0	0.0	0.0	99.0	174.0	34.0	50.0	0.0	0.0	0.0	0.0	357.0
1959	0.0	0.0	0.0	12.0	54.0	105.0	54.0	97.0	0.0	10.0	0.0	0.0	332.0
1960	0.0	0.0	0.0	0.0	36.0	136.0	49.0	28.0	18.0	1.0	0.0	0.0	266.0
1961	0.0	0.0	8.0	0.0	11.0	124.0	17.0	99.0	11.0	24.0	0.0	0.0	294.0
1962	0.0	0.0	0.0	0.0	36.0	202.1	19.2	14.8	2.5	12.4	0.0	0.0	287.0
1963	6.4	0.0	0.0	0.0	28.0	93.6	72.2	83.4	178.0	16.0	29.6	0.0	507.6
1964	0.0	0.0	0.0	0.0	0.0	88.5	24.0	72.8	0.0	0.0	0.0	0.0	185.3
1965	0.0	0.0	0.0	12.4	55.4	15.9	220.8	216.5	21.1	22.5	0.0	7.5	572.1
1966	0.0	0.0	0.0	15.5	8.1	152.1	103.4	43.8	0.0	0.0	9.0	17.0	343.5
1967	0.0	0.0	0.0	0.0	38.0	36.0	50.0	11.0	40.0	0.0	0.0	0.0	175.0
1968	0.0	0.0	0.0	12.0	0.0	17.0	0.0	24.0	-1.0	0.0	0.0	0.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	7.0	0.0	11.0	0.0	0.0	0.0	0.0	175.0
MAX	6.4	0.0	11.0	49.0	244.0	202.1	220.8	286.0	178.0	48.0	29.6	40.0	572.1
PROM	0.4	0.0	1.2	10.1	55.2	80.3	55.9	72.0	26.6	8.8	2.3	4.1	331.1
DESV	1.6	0.0	3.2	15.0	60.0	62.5	48.7	73.9	44.4	13.2	7.4	10.3	121.1
CV	4.1	-1.0	2.7	1.5	1.1	0.8	0.9	1.0	1.7	1.5	3.2	2.5	0.4

NOTA=VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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 ZONA 3 HOYA 215 LIGUA SUP 1930 (KM2)  
 EST 8 SAN LORENZO  
 LAT 3225 LON 7102 ALT 270 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1917	0.0	0.0	0.0	4.0	38.0	137.0	0.0	3.0	61.0	0.0	0.0	0.0	243.0
1918	0.0	0.0	0.0	21.0	8.0	51.0	47.0	43.0	53.0	0.0	0.0	0.0	223.0
1919	0.0	0.0	0.0	8.0	180.0	260.0	118.0	22.0	6.0	0.0	0.0	0.0	594.0
1920	0.0	0.0	0.0	0.0	69.0	30.0	37.0	9.0	0.0	0.0	0.0	25.0	170.0
1921	0.0	0.0	0.0	6.0	276.0	79.0	0.0	10.0	8.0	0.0	0.0	0.0	379.0
1922	0.0	0.0	2.5	0.0	0.0	206.0	59.0	77.7	30.0	22.0	0.0	0.0	397.2
1923	0.0	0.0	0.0	0.0	0.0	65.0	88.0	54.5	0.0	20.0	0.0	0.0	227.5
1924	0.0	0.0	4.2	0.0	0.0	8.5	8.5	17.0	1.0	0.0	0.0	0.0	39.2
1925	0.0	2.4	0.0	4.0	14.5	3.2	71.0	0.0	69.0	8.0	0.0	0.0	172.1
1926	0.0	0.0	0.0	0.0	39.0	252.0	376.5	40.0	4.0	0.0	0.0	0.0	711.5
1927	0.0	0.0	0.0	0.0	35.0	117.5	92.0	43.5	15.0	0.0	0.0	0.0	303.0
1928	0.0	0.0	0.0	96.8	2.0	217.0	31.0	4.0	4.0	0.0	0.0	0.0	354.8
1929	0.0	0.8	0.0	0.0	44.0	83.7	39.0	126.0	21.0	0.0	0.0	0.0	314.5
1930	0.0	0.0	0.0	15.0	14.5	88.0	119.0	206.5	0.0	43.5	10.0	0.0	496.5
1931	10.5	0.0	0.0	10.0	20.0	68.0	141.5	48.0	52.5	8.0	0.0	0.0	358.5
1932	0.0	0.0	0.0	8.0	64.5	81.0	48.5	112.5	7.0	0.0	0.0	12.5	334.0
1933	15.0	0.0	0.0	0.0	31.0	114.0	31.5	53.0	0.0	0.0	0.0	0.0	244.5
1934	0.0	0.0	0.0	0.0	269.0	100.0	6.0	3.0	13.0	10.0	0.0	0.0	401.0
1935	0.0	0.0	0.0	0.0	17.5	72.0	66.5	16.5	1.0	27.5	0.0	0.0	201.0
1936	0.0	0.0	0.0	8.0	99.0	41.0	79.5	96.5	8.0	0.0	0.0	0.0	332.0
1937	0.0	0.0	0.0	0.0	15.0	44.0	73.5	92.5	15.5	5.5	0.0	0.0	246.0
1938	0.0	0.0	0.0	0.0	115.0	50.5	40.0	0.0	0.0	16.0	0.0	0.0	221.5
1939	0.0	0.0	0.0	0.0	22.0	91.5	12.0	27.5	6.5	7.5	0.0	45.5	212.5
1940	0.0	0.0	0.0	0.0	44.0	83.0	103.5	40.5	17.0	0.0	0.0	0.0	288.0
1941	0.0	0.0	0.0	91.0	67.0	104.2	132.0	210.5	0.0	0.0	0.0	0.0	604.7
1942	0.0	0.0	0.0	0.0	35.0	88.5	64.5	163.4	7.5	24.0	30.0	0.0	412.9
1943	0.0	0.0	6.5	0.0	24.5	23.5	21.5	48.5	0.0	10.0	0.0	0.0	134.5
1944	0.0	1.0	0.0	14.5	54.5	165.0	18.5	226.5	21.0	0.0	0.0	0.0	501.0
1945	0.0	55.0	0.0	15.0	0.0	0.0	3.5	48.0	20.8	0.0	0.0	0.0	142.3
1946	0.0	0.0	0.0	9.0	13.7	31.0	17.5	50.0	0.0	0.0	0.0	0.0	121.2
1947	0.0	0.0	0.0	0.0	2.0	118.5	47.5	65.0	0.0	20.0	0.0	0.0	253.0
1948	0.0	0.0	0.0	35.0	73.0	54.0	152.5	0.0	5.0	0.0	0.0	0.0	319.5
1949	0.0	0.0	0.0	0.0	79.0	73.0	42.0	17.0	0.0	0.0	0.0	0.0	211.0
1950	0.0	0.0	0.0	72.0	135.5	0.0	0.0	12.0	28.0	5.0	23.0	0.0	275.5
1951	0.0	0.0	0.0	29.0	67.0	74.0	127.8	3.0	23.0	0.0	0.0	0.0	323.8
1952	0.0	0.0	0.0	0.0	60.0	118.3	48.2	7.4	37.0	4.8	0.0	0.0	275.7
1953	0.0	0.0	0.0	29.3	87.7	9.6	69.8	224.3	67.8	3.3	0.0	0.0	491.7
1954	0.0	0.0	0.0	63.6	55.7	72.2	41.7	20.5	2.8	0.0	0.0	0.0	256.5
1955	0.0	0.0	0.0	10.5	77.1	27.8	21.5	27.7	8.0	32.5	0.0	0.0	205.1
1956	0.0	0.0	28.0	15.1	11.5	61.6	0.0	65.1	16.2	1.2	0.0	0.2	198.9
1957	0.0	0.0	0.0	0.0	245.4	13.0	66.7	15.5	12.1	0.0	0.0	26.0	378.7
1958	0.0	0.0	0.0	0.0	58.1	151.9	19.5	59.1	4.5	0.0	0.0	2.0	295.1
1959	0.0	0.0	0.0	10.1	47.3	95.5	52.0	64.5	3.3	6.5	0.0	0.0	279.2
1960	0.0	0.0	0.0	0.0	21.8	127.0	33.5	29.0	3.2	0.0	0.0	0.0	214.5
1961	0.0	0.0	0.0	0.0	13.5	136.5	23.5	105.5	5.5	12.5	0.0	0.0	297.0
1962	0.0	0.0	0.0	8.0	8.5	163.0	11.0	9.0	3.0	10.0	0.0	0.0	204.5
1963	0.0	0.0	1.5	0.0	31.5	40.5	77.5	104.5	143.5	1.0	0.0	0.0	400.0
1964	0.0	0.0	0.0	0.0	0.0	59.5	20.0	56.0	0.0	0.0	0.0	0.0	135.5
1965	0.0	0.0	0.0	9.0	43.0	6.5	184.0	190.0	4.8	0.0	0.0	3.0	440.3
1966	0.0	0.0	0.0	32.0	3.0	149.5	98.9	22.5	0.0	0.0	9.0	5.0	313.9



ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1967	0.0	0.0	0.0	2.1	10.0	22.9	40.5	12.0	40.0	2.0	0.0	0.0	129.5
1968	0.0	0.0	0.0	2.0	0.0	9.0	1.0	18.0	16.0	0.0	0.0	0.0	46.0
1969	0.0	0.0	0.0	11.5	11.0	61.5	0.0	33.0	0.0	0.0	0.0	0.0	117.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.2
MAX	15.0	55.0	28.0	96.8	276.0	260.0	376.5	226.5	143.5	43.5	30.0	45.5	711.5
PROM	0.5	1.1	0.8	11.9	51.9	82.9	59.0	57.6	16.3	5.7	1.4	2.2	291.4
DESV	2.5	7.6	4.0	22.1	64.3	62.2	62.8	61.8	25.5	9.7	5.4	8.0	137.1
CV	5.0	6.9	4.9	1.9	1.2	0.8	1.1	1.1	1.6	1.7	4.0	3.5	0.5

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 3 HOYA 215 LIGUA SUP 1930 (KM2)  
 EST 29 FUNDO LA VEGA  
 LAT 32.5 LON 7102 ALT 369 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	0.0	0.0	1.0	0.0	11.0	167.0	15.0	5.0	3.0	9.0	0.0	0.0	211.0
1963	0.0	0.0	1.0	0.0	28.0	39.0	72.0	83.0	155.0	0.2	2.0	0.0	380.2
1964	0.0	0.0	0.0	0.0	0.0	67.0	21.0	59.0	0.0	0.0	0.0	2.0	149.0
1965	0.0	0.0	0.0	9.0	42.0	6.0	179.0	198.0	0.0	4.0	0.0	4.0	442.0
1966	0.0	0.0	0.0	32.0	3.5	140.0	102.0	27.0	0.0	0.0	8.6	3.7	316.8
1967	0.0	0.0	0.0	2.1	10.0	32.0	43.0	11.0	42.0	-1.0	0.0	0.0	-1.0
1968	0.0	0.0	0.0	4.0	0.0	8.0	0.4	17.0	17.0	0.0	0.0	0.0	46.0
MIN	0.0	0.0	0.0	0.0	0.0	6.0	0.4	5.0	0.0	0.0	0.0	0.0	46.0
MAX	0.0	0.0	1.0	32.0	42.0	167.0	179.0	198.0	155.0	9.0	8.6	4.0	442.0
PROM	0.0	0.0	0.3	6.7	13.5	65.6	61.8	57.1	31.0	2.2	1.5	1.4	257.5
DESV	0.0	0.0	0.5	11.6	15.8	63.9	62.5	68.2	56.8	3.7	3.2	1.8	149.2
CV	-1.0	-1.0	1.7	1.7	1.2	1.0	1.0	1.2	1.8	1.7	2.1	1.3	0.6

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

**PRECIPITACIONES (MM)**

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ZONA 3 HOYA 215 LIGUA SUP 1930 (KM2)

EST 10 PULLALY HDA

LAT 3226 LON 7121 ALT 57 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1946	0.0	0.0	0.0	11.0	22.5	75.0	24.0	28.0	7.0	0.0	0.0	0.0	167.5
1947	0.0	0.0	0.0	0.0	15.0	113.0	69.0	66.0	0.0	34.0	0.0	0.0	297.0
1948	0.0	0.0	0.0	44.0	84.5	32.0	104.5	14.0	8.0	0.0	0.0	0.0	287.0
1949	0.0	0.0	0.0	0.0	136.5	14.5	45.0	21.0	0.0	0.0	0.0	0.0	217.0
1950	0.0	0.0	0.0	59.0	150.0	13.0	0.0	39.0	28.0	0.0	48.0	0.0	337.0
1951	0.0	0.0	0.0	23.0	76.0	68.5	116.5	0.0	10.0	0.0	0.0	0.0	294.0
1952	0.0	0.0	0.0	0.0	45.0	161.5	65.5	17.5	14.0	1.5	0.0	0.0	305.0
1953	0.0	0.0	0.0	25.0	89.5	23.5	64.5	183.5	61.0	0.0	0.0	0.0	447.0
1954	0.0	0.0	0.0	63.0	50.0	122.0	44.0	27.0	7.0	0.0	0.0	0.0	313.0
1955	0.0	0.0	0.0	7.0	68.0	21.5	5.0	16.5	3.0	0.0	0.0	0.0	121.0
1956	0.0	0.0	56.0	20.0	16.0	8.0	70.0	68.0	23.5	0.0	0.0	0.0	261.5
1957	0.0	0.0	0.0	0.0	232.0	8.5	87.0	27.0	19.5	0.0	0.0	34.0	408.0
1958	0.0	0.0	0.0	0.0	137.0	122.0	15.5	63.5	8.0	1.0	0.0	0.0	347.0
1959	0.0	0.0	0.0	16.5	23.0	78.5	42.5	41.5	14.0	2.0	0.0	0.0	218.0
1960	0.0	0.0	0.0	0.0	24.5	100.5	39.5	41.0	3.0	0.0	0.0	0.0	208.5
1961	0.0	0.0	0.0	0.0	6.5	120.0	25.0	109.5	12.0	0.0	0.0	0.0	273.0
1962	0.0	0.0	0.0	0.0	0.0	156.5	12.5	8.0	3.0	17.0	0.0	0.0	197.0
1963	0.0	0.0	0.0	0.0	55.0	30.5	112.5	179.5	177.5	5.0	0.0	0.0	560.0
1964	0.0	0.0	0.0	2.0	0.0	52.5	31.5	70.5	0.0	0.0	0.0	0.0	156.5
1965	0.0	0.0	0.0	3.7	53.5	12.0	236.5	211.0	0.0	8.0	0.0	0.0	524.7
1968	-1.0	-1.0	-1.0	-1.0	-1.0	5.0	0.0	18.0	17.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	121.0
MAX	0.0	0.0	56.0	63.0	232.0	161.5	236.5	211.0	177.5	34.0	48.0	34.0	560.0
PROM	0.0	0.0	2.8	13.7	64.2	63.7	57.6	59.5	19.8	3.4	2.4	1.7	297.0
DESV	0.0	0.0	12.5	20.1	60.4	52.5	54.3	61.1	38.7	8.3	10.7	7.6	117.0
CV	-1.0	-1.0	4.5	1.5	0.9	0.8	0.9	1.0	2.0	2.4	4.5	4.5	0.4

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 3

HOYA 215 LIGUA

SUP 1930 (KM2)

EST 11 LA LIGUA

LAT 3227 LON 7116 ALT 58 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1912	0.0	0.0	0.0	5.6	8.4	92.5	0.0	35.0	0.7	0.0	0.0	0.0	142.2
1913	0.0	0.0	0.1	0.0	0.0	0.1	76.1	22.0	19.0	0.0	0.0	0.0	117.3
1914	0.0	0.0	0.0	0.0	49.2	208.0	146.3	111.6	78.3	50.9	-1.0	-1.0	-1.0
1915	0.0	0.0	0.0	22.4	111.5	62.8	0.0	0.0	0.0	0.0	0.0	0.0	196.7
1916	0.0	0.0	0.0	0.8	33.1	5.3	5.3	28.3	23.2	0.0	10.3	0.0	106.3
1917	0.0	0.0	0.0	0.5	49.9	179.4	4.0	3.7	97.7	0.0	0.0	0.0	335.2
1918	0.0	0.0	0.0	34.9	10.3	64.3	58.1	28.5	92.5	1.5	3.2	0.0	293.3
1919	0.0	0.0	0.0	14.2	251.0	205.5	126.8	19.0	22.6	4.0	0.0	0.0	643.1
1920	0.0	0.0	0.0	0.0	133.5	29.2	29.9	9.6	0.0	3.4	1.2	16.1	222.9
1921	0.0	0.0	0.0	3.2	274.7	143.3	11.9	12.9	0.0	0.0	0.0	0.0	446.0
1922	0.0	0.0	0.0	0.0	8.6	346.7	56.7	69.9	37.0	13.8	0.0	0.0	532.7
1923	0.3	0.0	0.0	0.0	0.0	79.2	118.0	111.3	0.0	25.0	0.0	0.0	333.5
1924	0.0	0.0	0.0	0.0	0.0	7.2	15.5	13.2	0.0	0.0	0.0	0.0	35.9
1925	0.0	2.8	0.0	3.2	23.1	5.8	108.3	3.2	34.8	0.0	0.0	0.0	181.2
1926	0.0	0.0	0.3	0.0	56.4	363.0	342.5	65.3	0.0	0.0	0.0	0.0	833.5
1927	0.0	0.0	0.0	0.0	30.1	121.9	92.9	27.5	30.5	2.5	0.0	0.0	305.4
1928	0.0	0.0	0.0	45.6	68.2	200.3	37.4	9.0	25.6	0.0	0.0	0.0	386.1
1929	14.0	0.0	0.0	0.0	32.0	111.0	43.0	167.0	31.0	3.0	0.0	3.0	404.0
1930	0.0	0.0	0.0	55.0	9.0	108.0	186.0	174.0	11.0	53.0	0.4	0.0	596.4
1931	10.0	0.0	0.0	9.0	26.0	56.0	177.0	89.0	55.0	0.0	7.0	0.0	429.0
1932	0.0	0.0	0.0	8.0	77.0	103.0	93.0	142.0	10.0	0.0	3.0	37.0	473.0
1933	24.0	11.0	0.0	0.0	30.0	133.0	43.0	58.0	1.0	3.0	0.0	0.0	303.0
1934	0.0	0.0	0.0	0.0	254.0	100.0	12.0	2.0	21.0	17.0	0.8	5.2	412.0
1935	0.0	0.0	0.0	0.0	35.0	66.0	70.0	29.0	0.0	30.0	0.0	0.0	230.0
1936	0.0	0.0	0.0	9.0	102.0	52.0	100.0	100.0	14.0	3.0	0.0	5.0	385.0
1937	0.0	0.0	0.0	0.0	21.0	45.0	65.0	100.0	14.0	24.0	0.0	0.0	269.0
1938	0.0	0.0	0.0	0.0	115.0	46.0	44.0	0.0	0.0	17.0	0.0	0.0	222.0
1939	0.0	0.0	0.0	0.0	41.0	135.0	8.0	35.0	0.0	21.0	0.0	48.0	288.0
1940	0.0	6.0	0.0	2.0	32.0	90.0	130.0	27.0	14.0	0.0	0.0	0.0	301.0
1941	0.0	0.0	0.0	76.0	80.0	103.0	191.0	223.0	0.0	0.0	8.0	0.0	681.0
1942	0.0	0.0	0.0	0.0	22.0	75.0	135.0	131.0	3.0	32.0	54.0	0.0	452.0
1943	0.0	0.0	9.0	0.0	24.0	31.0	30.0	109.0	0.0	11.0	0.0	0.0	214.0
1944	0.0	4.0	0.0	24.0	40.3	177.8	30.2	223.0	0.0	51.5	0.0	0.0	550.8
1945	0.0	131.2	0.0	10.5	0.0	0.0	18.9	95.1	29.7	0.0	0.0	0.0	285.4
1946	0.0	0.0	0.0	11.3	43.3	77.6	25.4	48.0	0.0	0.0	0.0	0.0	205.6
1947	0.0	0.0	0.0	0.0	17.0	116.0	83.0	52.0	0.0	22.0	0.0	0.0	290.0
1948	0.0	0.0	0.0	52.0	85.0	49.0	158.0	0.0	0.0	0.0	0.0	0.0	344.0
1949	0.0	0.0	0.0	0.0	139.0	53.0	48.0	21.0	0.0	0.0	0.0	0.0	261.0
1950	0.0	0.0	0.0	72.0	152.0	5.0	0.0	33.0	26.0	18.0	36.0	0.0	342.0
1951	0.0	0.0	0.0	34.0	92.0	99.0	117.0	4.0	17.0	0.0	0.0	0.0	363.0
1952	0.0	0.0	0.0	0.0	49.5	146.5	72.0	23.0	23.0	9.0	0.0	0.0	323.0
1953	0.0	0.0	0.0	31.0	123.0	13.0	79.0	247.0	87.0	0.0	0.0	0.0	580.0
1954	0.0	0.0	0.0	66.0	58.0	113.0	24.0	20.0	0.0	0.0	0.0	0.0	281.0
1955	0.0	0.0	0.0	12.0	62.0	21.0	14.0	26.0	2.0	14.0	0.0	0.0	151.0
1956	0.0	0.0	29.0	82.0	16.0	9.0	73.0	97.0	34.0	1.0	0.0	0.0	341.0
1957	0.0	0.0	0.0	0.0	262.0	14.5	79.0	28.5	35.0	0.0	0.0	25.5	444.5
1958	0.0	0.0	0.0	0.0	120.0	137.0	16.0	77.5	8.0	1.0	0.0	0.0	359.5
1959	0.0	0.0	0.0	11.5	42.0	85.5	57.0	41.5	8.0	2.0	0.0	0.0	247.5
1960	0.0	0.0	0.0	0.0	33.0	104.5	41.5	42.5	0.0	0.0	0.0	0.0	221.5
1961	0.0	0.0	0.0	0.0	10.0	156.0	21.0	100.0	20.0	0.0	0.0	0.0	307.0

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	0.0	0.0	0.0	0.0	6.3	146.4	14.2	5.7	4.5	17.0	0.0	0.0	194.1
1963	0.0	0.0	0.0	0.0	51.0	38.3	141.8	169.3	137.8	0.0	0.0	0.0	538.2
1964	0.0	0.0	0.0	0.0	0.0	51.0	28.0	82.0	0.0	0.0	0.0	0.0	151.0
1965	0.0	0.0	0.0	4.0	60.0	19.0	238.0	216.0	0.0	4.0	0.0	1.0	542.0
1966	0.0	0.0	0.0	76.0	4.2	198.0	153.0	30.0	0.0	0.0	7.2	17.0	485.4
1967	0.0	0.0	0.0	2.0	19.0	46.0	54.0	21.0	47.0	2.0	0.0	0.0	191.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.9
MAX	24.0	131.2	29.0	82.0	274.7	363.0	342.5	247.0	137.8	53.0	54.0	48.0	833.5
PROM	0.9	2.8	0.7	13.9	62.4	93.7	74.0	65.3	19.9	8.2	2.4	2.9	341.3
DESV	3.9	17.6	4.0	23.5	68.0	77.2	67.8	65.0	29.2	13.6	8.8	9.1	158.5
CV	4.5	6.3	5.9	1.7	1.1	0.8	0.9	1.0	1.5	1.7	3.7	3.2	0.5

NOTA: VALGRES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 3 HOYA 215 LIGUA SUP 1930 (KM2)

EST 12 LA HIGUERA HDA

LAT 3228 LON 7114

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1923	0.0	0.0	0.0	0.0	0.0	60.4	104.3	82.9	0.0	30.9	0.0	0.0	278.5
1924	0.0	0.0	5.7	0.0	0.0	8.0	7.3	12.7	5.1	0.0	0.0	0.0	36.8
1925	0.0	2.1	0.0	2.7	25.5	4.8	92.1	3.8	61.1	8.0	0.0	0.0	200.1
1926	0.0	0.0	4.3	0.0	49.4	382.2	261.2	45.4	24.7	0.0	0.0	0.2	767.4
1927	0.0	0.0	0.0	0.0	44.5	115.4	79.2	23.6	24.9	2.5	0.2	0.0	290.3
1928	0.0	0.0	0.0	41.9	71.5	193.2	31.7	6.6	20.2	0.0	0.0	0.0	365.1
1929	16.7	0.0	0.0	0.0	37.4	91.0	40.0	130.3	30.1	2.0	0.0	2.4	349.9
1930	0.0	0.0	0.0	40.1	11.3	105.2	167.2	198.6	9.5	63.2	1.9	0.0	597.0
1931	10.0	0.0	0.0	6.8	20.5	86.1	118.8	83.0	48.0	0.0	6.1	0.0	379.3
1932	0.0	1.4	0.0	10.1	62.8	87.9	70.7	112.8	11.1	0.0	0.0	31.8	388.6
1933	18.9	6.4	0.0	0.0	28.3	120.3	42.5	53.8	0.0	8.4	0.2	0.0	278.8
1934	0.0	0.0	0.0	0.0	239.1	88.4	7.8	1.6	18.9	18.8	1.8	0.0	376.4
1935	0.0	0.0	0.0	0.0	23.3	76.7	48.6	25.3	5.7	32.3	0.6	0.0	212.5
1936	0.0	0.0	0.0	9.6	98.1	40.1	75.6	82.6	13.2	0.7	0.0	5.5	325.4
1937	0.0	0.0	0.0	0.0	30.0	44.6	60.7	80.2	10.1	22.4	1.5	0.0	249.5
1938	0.0	0.5	0.2	0.0	106.7	40.9	39.5	0.0	0.0	14.6	0.0	0.0	202.4
1939	0.0	0.0	0.0	0.0	22.8	110.8	3.9	39.5	11.1	18.9	1.2	35.5	243.7
1940	0.0	4.7	0.0	0.0	32.7	77.9	124.2	32.6	10.6	4.5	1.2	0.0	288.4
1941	0.0	0.0	0.0	64.4	74.4	92.6	171.0	190.6	0.0	2.6	4.0	0.0	599.6
1942	0.0	0.0	0.0	0.0	21.2	83.6	85.0	131.2	5.7	28.7	41.0	0.0	396.4
1943	0.0	0.0	9.9	0.5	24.5	28.0	28.1	62.7	4.6	3.8	0.6	0.0	162.7
1944	0.0	10.2	0.0	12.5	43.1	147.8	26.7	195.7	0.4	40.5	0.0	0.0	476.9
1945	0.0	111.3	0.0	9.4	0.3	0.0	7.5	82.0	34.5	0.0	0.0	0.0	245.0
1946	0.0	0.0	0.0	12.1	31.8	58.5	22.2	39.4	0.7	3.0	0.0	0.0	167.7
1947	0.0	0.0	0.0	0.0	14.3	104.4	57.0	49.0	0.0	22.2	0.0	0.0	246.9
1948	0.0	0.0	0.0	48.8	77.8	46.3	166.8	5.4	8.3	0.0	0.0	0.0	353.4
1949	0.0	0.0	3.3	0.0	110.8	54.0	38.0	20.0	0.0	0.0	0.0	0.0	226.1
1950	0.0	0.0	2.0	70.5	143.5	5.0	0.0	24.0	29.5	15.2	45.0	0.0	334.7
1951	0.0	0.0	0.0	37.4	66.0	97.8	105.4	1.3	17.0	0.0	0.0	0.0	324.9
1952	0.0	0.0	1.3	0.0	50.5	145.7	67.8	12.5	30.5	7.5	0.0	0.0	315.8
1953	3.0	0.0	0.0	26.0	122.0	15.5	48.0	228.5	74.0	9.5	0.5	0.0	527.0
1954	0.0	0.0	0.0	75.5	57.5	80.0	46.0	18.0	8.0	0.0	0.0	0.0	285.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.8
MAX	18.9	111.3	9.9	75.5	239.1	382.2	261.2	228.5	74.0	63.2	45.0	35.5	767.4
PROM	1.5	4.3	0.8	14.6	54.4	84.2	70.1	64.9	16.2	11.3	3.3	2.4	327.9
DESV	4.7	19.7	2.2	23.0	49.8	70.7	59.0	64.9	18.2	14.9	10.5	8.3	144.5
CV	3.1	4.6	2.6	1.6	0.9	0.8	0.8	1.0	1.1	1.3	3.2	3.5	0.4

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 215 LIGUA SUP 1930 (KM2)  
 EST 14 PEÑA BLANCA  
 LAT 3229 LON 7108 ALT 125 (MTS)  
 \*\*\*\*\*  
 ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT  
 \*\*\*\*\*  
 1922 0.0 0.0 0.0 0.0 3.0 203.0 60.0 74.5 13.0 40.0 0.0 0.0 393.5  
 1923 0.0 0.0 0.0 0.0 0.0 50.0 132.0 59.8 0.0 26.0 0.0 0.0 267.8  
 1924 0.0 0.0 6.5 0.0 0.0 4.5 5.5 10.0 0.0 0.0 0.0 0.0 26.5  
 1925 0.0 2.0 0.0 1.5 18.0 4.0 75.5 0.5 44.0 6.5 0.0 0.0 152.0  
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PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 3 HOYA 215 LIGUA SUP 1930 (KM2)  
 EST 15 EL INGENIO FONDO  
 LAT 3229 LON 7109 ALT 111 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1946	0.0	0.0	0.0	11.0	23.1	63.4	23.9	39.2	0.0	1.5	0.0	0.0	162.1
1947	0.0	0.0	0.0	0.0	11.7	123.2	60.3	74.5	0.0	25.0	0.0	0.0	294.7
1948	0.0	0.0	0.0	54.2	78.1	43.1	175.4	4.3	12.4	3.5	0.0	2.1	373.1
1949	0.0	0.0	1.0	0.0	161.4	32.0	37.0	19.0	0.0	0.0	0.0	0.0	250.4
1950	0.0	0.0	0.5	57.2	151.4	3.4	0.0	31.0	26.7	16.4	42.0	0.0	328.6
1951	0.0	0.0	0.0	28.0	68.0	87.1	113.0	1.0	25.5	0.0	0.0	0.0	322.6
1952	0.0	0.0	0.4	0.0	60.9	148.8	66.1	11.0	20.5	10.0	0.0	0.0	317.7
1953	0.0	0.0	0.0	27.2	123.2	10.7	80.9	251.4	88.4	5.2	0.0	0.0	587.8
1954	0.0	0.0	0.0	75.1	53.3	88.1	45.9	23.8	8.0	0.0	0.0	0.0	294.2
1955	0.0	0.0	0.0	4.5	81.9	27.0	14.3	25.5	9.2	24.2	0.0	0.0	186.6
1956	0.0	0.0	48.6	20.3	16.5	6.3	64.3	95.6	27.1	0.0	0.0	0.0	278.7
1957	0.0	0.0	0.0	0.0	259.7	22.3	78.6	25.6	28.3	0.0	0.0	26.6	441.1
1958	0.0	0.0	0.0	0.0	101.4	130.6	24.3	64.7	10.2	4.5	1.5	0.0	337.2
1959	0.0	0.0	0.6	12.3	42.0	90.5	47.6	55.8	6.5	2.8	0.0	0.0	258.1
1960	0.0	0.0	0.0	0.0	27.0	103.7	35.1	37.4	1.8	0.9	0.0	0.0	205.9
1961	0.0	0.0	0.0	0.0	10.4	170.7	84.6	99.2	21.7	0.0	0.0	0.0	386.6
1962	0.0	0.0	0.0	0.0	7.9	168.8	12.9	3.1	8.0	12.5	0.0	0.0	213.2
1963	0.0	0.0	0.4	0.0	42.9	35.1	117.2	135.1	143.5	0.0	3.3	0.0	477.5
1964	0.0	0.0	0.0	0.5	0.0	51.7	34.5	56.0	0.0	4.0	0.0	1.0	147.7
1965	0.0	0.0	0.0	0.0	47.0	10.2	208.0	228.0	0.0	10.5	0.0	3.0	506.7
1966	0.0	0.0	0.0	47.0	6.0	168.5	125.5	31.5	1.0	0.0	11.0	13.5	404.0
1967	0.0	0.0	0.0	0.0	14.0	39.0	44.0	26.0	41.0	5.0	0.0	0.0	132.1
1968	0.0	0.0	0.0	4.0	0.0	9.0	3.0	19.0	20.0	0.0	2.0	0.0	57.0
NIN	0.0	0.0	0.0	0.0	0.0	3.4	0.0	1.0	0.0	0.0	0.0	0.0	57.0
MAX	0.8	0.0	48.6	75.1	259.7	170.7	208.0	251.4	143.5	25.0	42.0	26.6	587.8
PROM	0.0	0.0	2.2	14.8	60.3	71.0	65.1	59.0	21.7	5.5	2.6	2.0	302.8
BESV	0.2	0.0	10.1	22.6	64.0	57.5	53.3	66.3	33.0	7.6	8.9	6.1	129.1
CV	4.8	-1.0	4.5	1.5	1.1	0.8	0.8	1.1	1.5	1.4	3.4	3.0	0.4

NOTA=VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

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ZONA 3 HOYA 215 LIGUA SUP 1930 (KM2)  
 EST 17 CERRO NEGRO PILIPEUMO  
 LAT 3234 LON 7055

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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	3.0	12.0	0.0	0.0	4.0	-1.0
1957	0.0	0.0	0.0	0.0	216.2	12.0	86.0	17.0	4.0	0.0	0.0	14.0	349.2
1958	0.0	0.0	0.0	0.0	134.5	37.5	21.0	66.0	3.5	0.0	1.0	0.0	263.5
1959	0.0	0.0	1.0	18.0	53.0	130.5	61.5	40.0	3.0	2.0	0.0	0.0	309.0
1960	0.0	0.0	0.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	53.0	12.0	21.0	3.0	3.0	0.0	0.0	0.0	263.5
MAX	0.0	0.0	1.0	18.0	216.2	130.5	86.0	66.0	12.0	2.0	1.0	14.0	349.2
PROM	0.0	0.0	0.3	4.5	134.6	60.0	56.2	31.5	5.6	0.5	0.3	4.5	307.2
DESV	0.0	0.0	0.5	9.0	81.6	62.4	32.8	27.6	4.3	1.0	0.5	6.6	42.9
CV	-1.0	-1.0	2.0	2.0	0.6	1.0	0.8	0.9	0.8	2.0	2.0	1.5	0.1

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 7

HOYA 216 IMPERIAL

SUP 12464 (KM2)

EST 1 PUREN

LAT 3802 LON 7303 ALT 90 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1921	50.1	46.0	43.2	130.8	338.8	225.4	90.0	240.0	38.7	38.2	1.2	127.8	1370.2
1922	28.8	3.5	79.5	29.7	160.2	403.8	569.8	320.7	57.6	61.0	0.0	0.0	1714.6
1923	14.5	11.3	95.6	1.9	57.0	171.5	135.4	267.1	68.3	105.0	76.0	36.8	1040.4
1924	0.0	48.2	70.3	74.8	119.7	250.0	146.1	62.5	39.8	25.8	7.0	7.2	851.4
1925	19.7	37.4	38.2	170.5	97.5	250.1	129.6	236.5	279.1	26.1	65.3	69.2	1419.2
1926	22.5	0.0	145.7	92.8	178.1	269.2	173.2	219.4	124.7	107.6	47.6	37.3	1418.1
1927	7.2	36.4	29.8	80.8	239.1	143.8	310.1	148.0	344.8	87.2	71.4	0.0	1498.6
1928	41.2	36.4	68.4	183.0	209.9	232.2	189.8	60.2	35.5	18.8	73.9	46.4	1195.7
1929	79.0	0.0	7.7	50.7	154.9	261.0	139.0	348.0	135.0	47.0	47.0	133.0	1402.3
1930	0.0	5.0	16.0	159.0	170.0	434.0	388.0	144.0	43.0	109.0	82.0	192.0	1742.0
1931	69.0	0.0	31.0	115.0	111.0	251.0	307.0	239.0	74.0	78.0	47.0	0.0	1322.0
1932	16.0	13.0	53.0	362.0	22.0	406.0	445.0	211.0	134.0	189.0	28.0	75.0	1954.0
1933	62.0	14.0	35.0	125.0	155.0	297.0	188.0	220.0	82.0	102.0	33.0	70.0	1383.0
1934	17.0	29.0	77.0	52.0	218.0	532.0	187.0	105.0	57.0	65.0	10.0	12.0	1361.0
1935	29.0	85.0	26.0	51.0	280.0	426.0	124.0	132.0	149.0	31.0	106.0	50.0	1489.0
1936	24.0	6.0	70.0	121.0	344.0	252.0	226.0	206.0	108.0	57.0	20.0	78.0	1512.0
1937	0.0	75.0	20.0	54.0	227.0	321.0	292.0	383.0	49.0	6.0	50.0	7.0	1484.0
1938	16.0	0.0	113.0	36.0	162.0	304.0	402.0	106.0	95.0	75.0	78.0	15.9	1402.9
1939	37.4	67.8	8.8	3.0	413.0	274.0	105.0	222.0	66.0	168.0	2.0	12.0	1379.0
1940	20.0	80.0	51.0	183.0	144.0	364.0	182.0	45.0	105.5	22.0	74.0	35.0	1305.5
1941	0.0	50.0	31.0	90.0	157.0	224.0	372.0	283.0	31.0	58.0	196.0	74.0	1566.0
1942	1.0	33.0	55.0	75.0	126.0	128.0	218.0	168.0	161.0	19.0	36.0	12.0	1032.0
1943	0.0	14.0	84.0	46.8	241.0	110.0	146.0	111.0	224.0	29.2	45.9	0.0	1051.9
1944	8.6	4.2	10.7	44.1	179.6	345.8	257.2	462.2	63.0	141.6	55.5	0.0	1572.5
1945	3.1	60.1	57.4	97.7	307.9	218.0	372.9	278.4	81.9	42.4	62.6	32.3	1614.7
1946	59.0	31.3	50.3	38.6	246.9	142.1	260.7	68.2	138.1	48.4	70.2	89.6	1243.4
1947	8.0	3.0	23.0	40.1	191.9	358.5	80.7	112.5	110.9	60.6	18.0	27.0	1034.2
1948	57.0	0.0	21.5	89.2	153.5	172.2	250.2	83.8	228.9	35.7	7.6	70.9	1170.5
1949	0.0	38.0	75.2	76.7	406.9	297.1	73.9	57.0	46.3	11.3	31.3	41.1	1154.8
1950	0.0	37.0	80.2	130.4	383.1	270.7	91.2	264.6	83.3	61.2	52.4	25.5	1479.6
1951	73.6	71.8	4.3	0.0	376.0	194.5	239.1	35.4	80.2	39.3	136.0	20.5	1270.7
1952	0.0	39.6	61.0	0.0	202.5	108.8	89.9	86.5	76.5	61.5	29.0	3.0	758.3
1953	201.0	15.0	25.0	22.2	401.5	180.0	370.5	505.0	299.0	73.5	23.1	35.0	2150.8
1954	1.5	32.0	4.0	97.5	206.5	338.5	397.5	306.5	80.5	42.5	13.0	29.0	1549.0
1955	34.0	47.0	9.5	109.0	117.5	264.0	74.0	169.0	42.0	10.5	9.0	116.0	1001.5
1956	110.0	18.0	94.5	164.5	226.5	157.0	295.5	101.0	92.0	67.0	35.0	7.0	1368.0
1957	19.5	0.0	1.0	47.0	283.0	232.5	493.0	522.0	129.0	109.0	82.0	77.0	1995.0
1958	14.0	15.3	0.0	113.0	342.0	359.0	260.0	360.0	180.0	7.5	59.5	0.0	1710.3
1959	99.5	0.0	53.5	273.5	212.5	131.0	296.5	188.5	271.5	123.0	2.5	0.0	1652.0
1960	66.6	0.0	67.6	45.5	135.0	444.5	254.5	156.0	79.0	132.1	14.5	15.0	1410.9
1961	119.0	12.5	127.2	54.7	207.6	299.5	501.3	206.1	291.8	49.0	28.6	7.0	1904.3
1962	17.0	0.0	32.1	102.2	84.2	290.6	50.0	267.3	53.2	40.5	69.8	3.5	1010.4
1963	15.5	2.5	55.6	89.6	101.7	287.5	195.2	456.8	134.3	59.2	89.2	19.7	1506.8
1964	28.0	43.0	20.0	23.0	142.0	167.0	150.0	243.0	60.3	20.0	41.0	93.0	1030.0
1965	26.0	83.0	7.0	204.5	175.0	259.0	264.0	347.0	72.0	69.0	102.0	79.0	1690.5
1966	0.0	3.5	20.0	87.0	145.0	374.0	258.0	224.0	70.0	70.0	23.0	126.0	1400.5
1968	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	84.0	110.0	124.0	60.0	37.0	24.0	-1.0

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MIN	0.0	0.0	0.0	0.0	22.0	108.8	50.0	35.4	31.0	6.0	0.0	0.0	758.3
MAX	201.0	85.0	145.7	362.0	413.0	532.0	569.8	522.0	344.8	189.0	196.0	192.0	2150.8
PROM	32.9	27.1	46.7	92.1	207.7	270.0	236.7	214.6	114.7	63.0	48.7	43.2	1403.8
DESV	40.0	26.1	34.9	71.5	96.9	97.8	127.3	123.7	78.6	41.8	38.3	44.3	298.7
CV	1.2	1.0	0.7	0.8	0.5	0.4	0.5	0.6	0.7	0.7	0.8	1.0	0.2

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PRECIPITACIONES (MM)

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ZONA 7 HOYA 216 IMPERIAL SUP 12464 (KM2)  
 EST 2 LUMANCO DENULCO  
 LAT 3809 LON 7254 ALT 200 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1948	-1.0	-1.0	-1.0	-1.0	198.0	170.0	294.0	113.0	237.0	48.0	5.0	37.0	-1.0
1949	0.0	32.0	73.0	46.0	358.0	299.0	37.0	38.0	-1.0	6.0	54.0	41.0	-1.0
1950	0.0	21.0	36.0	134.0	318.0	251.0	70.0	223.0	61.0	57.0	68.0	26.0	1265.0
1951	50.0	10.0	1.0	25.0	370.0	267.0	164.0	48.0	63.0	15.0	96.0	26.0	1135.0
1952	-1.0	18.0	79.0	8.0	183.0	128.0	80.0	68.0	46.0	42.0	19.0	0.0	-1.0
1953	87.0	17.0	11.0	24.0	222.0	92.0	280.0	263.0	170.0	43.0	8.0	15.0	1232.0
1954	0.0	57.0	0.0	99.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1960	82.0	0.0	79.0	7.0	96.0	263.0	143.0	109.0	65.0	123.0	18.0	6.0	991.0
1961	44.0	5.0	79.0	32.0	140.0	197.0	309.0	119.0	166.0	36.0	26.0	3.0	1156.0
1962	16.0	0.0	25.0	79.0	61.0	212.0	23.0	168.0	57.0	18.0	40.0	6.0	705.0
1963	16.0	5.0	36.0	68.0	75.0	172.0	142.0	257.0	74.0	78.0	71.0	16.0	1010.0
1964	24.0	18.0	22.0	-1.0	137.0	97.0	102.0	159.0	-1.0	31.0	49.0	63.0	-1.0
1965	30.0	37.0	13.0	145.0	113.0	210.0	248.0	243.0	44.0	77.0	102.0	60.0	1322.0
1966	0.0	4.0	-1.0	86.0	76.0	211.0	190.0	100.0	59.0	40.0	36.0	-1.0	-1.0
MIN	0.0	0.0	0.0	7.0	61.0	92.0	23.0	38.0	44.0	6.0	5.0	0.0	705.0
MAX	87.0	57.0	79.0	145.0	370.0	299.0	309.0	263.0	237.0	123.0	102.0	63.0	1322.0
PROM	29.1	17.2	37.8	62.8	180.5	197.6	160.2	146.8	94.7	47.2	45.5	24.9	1102.0
DESV	31.0	16.6	31.4	46.9	108.0	64.7	98.1	78.9	64.9	31.3	31.6	21.5	197.9
CV	1.1	1.0	0.8	0.7	0.6	0.3	0.6	0.5	0.7	0.7	0.7	0.9	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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 ZONA 7 HOYA 216 IMPERIAL SUP 12464 (KM2) 217.  
 EST 3 VICTORIA FACH  
 LAT 3813 LON 7221 ALT 360 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1960	70.0	0.5	63.0	57.0	109.0	-1.0	219.0	110.0	72.0	158.0	20.0	16.0	-1.0
1961	126.0	10.0	79.0	64.0	-1.0	214.0	317.0	151.0	-1.0	79.0	-1.0	6.0	-1.0
1962	28.0	0.0	28.0	148.0	62.0	241.0	41.0	160.0	55.0	33.0	86.0	38.0	920.0
1963	13.0	46.0	78.0	86.0	100.0	222.0	191.0	360.0	147.0	145.0	83.0	43.0	1514.0
1964	47.0	37.0	23.0	22.0	163.0	139.0	107.0	160.0	73.0	37.0	66.0	195.0	1067.0
1965	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1966	0.3	6.6	39.0	155.0	158.0	419.0	341.0	181.0	63.0	86.0	58.0	125.0	1631.9
1967	71.0	49.0	6.2	24.0	255.0	132.0	258.0	226.0	112.0	91.0	29.0	142.0	1295.2
1968	1.0	86.0	49.0	79.0	40.0	167.0	92.0	126.0	141.0	68.0	90.0	111.0	1050.0
MIN	0.3	0.0	6.2	22.0	40.0	132.0	41.0	110.0	55.0	33.0	20.0	6.0	920.0
MAX	126.0	86.0	79.0	155.0	255.0	419.0	341.0	360.0	147.0	158.0	90.0	195.0	1631.9
PROM	44.5	29.4	45.6	79.4	126.7	219.1	195.8	184.3	94.7	87.1	61.7	84.5	1246.3
DESV	43.3	30.5	26.4	50.1	72.4	97.6	108.8	79.1	38.2	45.1	27.9	68.2	282.8
CV	1.0	1.0	0.6	0.6	0.6	0.4	0.6	0.4	0.4	0.5	0.5	0.8	0.2

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 7

HOYA 216 IMPERIAL  
EST 4 VICTORIA D G S  
LAT 3814 LON 7219 ALT 351 (MTS)

SUP 12464 (KM2)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1903	0.0	9.0	49.0	67.0	110.0	645.0	285.0	195.0	61.0	63.0	26.0	78.0	1588.0
1904	58.0	30.0	83.0	225.0	341.0	433.0	886.0	284.0	265.0	202.0	68.0	69.0	2944.0
1905	43.0	0.0	112.0	179.0	257.0	608.0	353.0	268.0	167.0	189.0	18.0	114.0	2308.0
1906	14.0	67.0	35.0	214.0	561.0	567.0	428.0	197.0	277.0	88.0	61.0	77.0	2556.0
1907	170.0	82.0	90.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1912	16.1	20.5	43.5	165.4	218.8	231.3	164.0	146.6	46.2	78.3	104.1	26.8	1255.6
1913	0.0	15.0	29.5	349.6	-1.0	186.6	431.1	242.9	101.2	20.0	3.0	46.5	-1.0
1914	76.3	0.0	31.0	56.6	223.2	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1918	-1.0	-1.0	119.9	232.9	234.0	203.3	203.2	262.4	136.5	88.0	308.3	3.4	-1.0
1919	15.5	73.0	29.9	256.4	475.6	202.1	388.7	160.6	262.5	77.0	234.6	38.0	2213.9
1920	0.1	0.0	128.4	88.5	453.0	105.5	92.0	170.1	91.9	111.2	130.3	45.8	1416.8
1921	108.3	75.7	54.2	138.0	442.0	254.0	65.5	202.0	45.9	16.0	0.8	127.0	1529.4
1922	50.8	0.0	118.5	36.2	150.5	376.6	593.8	249.2	106.2	129.0	32.1	0.0	1842.9
1923	30.0	67.9	131.7	7.5	69.6	255.6	132.7	317.9	85.6	169.3	77.1	50.3	1395.2
1924	0.0	30.7	117.5	40.5	106.3	228.9	189.9	75.8	66.0	76.1	9.4	8.2	949.3
1925	23.3	70.7	73.7	183.2	66.0	285.1	188.2	197.9	265.0	72.0	100.3	93.3	1618.7
1926	41.0	12.9	131.0	97.2	224.4	478.6	184.2	241.9	146.6	110.9	46.6	99.5	1814.8
1927	21.0	14.0	63.0	50.0	310.6	183.3	340.8	172.2	302.4	115.8	51.5	32.2	1656.8
1928	54.4	70.6	94.7	193.8	212.0	261.1	249.3	112.0	43.2	24.7	70.5	66.3	1452.6
1929	121.0	4.0	10.0	57.0	142.0	288.0	201.0	337.0	201.0	57.0	43.0	141.0	1602.0
1930	0.0	5.0	21.0	220.0	135.0	429.0	488.0	200.0	77.0	184.0	132.0	185.0	2076.0
1931	99.0	9.0	29.0	114.0	107.0	313.0	212.0	160.0	71.0	85.0	58.0	2.0	1259.0
1932	38.0	21.0	40.0	310.0	40.0	493.0	313.0	264.0	106.0	129.0	43.0	121.0	1918.0
1933	107.0	27.0	74.0	137.0	137.0	319.0	193.0	185.0	89.0	96.0	47.0	87.0	1498.0
1934	23.4	57.0	95.0	69.0	262.0	592.0	223.0	96.0	84.0	40.0	39.0	13.0	1593.4
1935	35.0	79.0	44.0	40.0	458.0	417.0	189.0	349.0	204.0	87.0	165.0	50.0	2117.0
1936	21.0	26.0	77.0	181.0	462.0	171.0	319.0	466.0	110.0	52.0	55.0	117.0	2057.0
1937	2.0	76.0	66.0	62.0	297.0	256.0	419.0	455.0	75.0	46.0	81.0	35.0	1870.0
1938	23.0	0.0	286.0	97.0	250.0	294.0	269.0	143.0	97.0	97.0	106.0	57.0	1719.0
1939	72.0	169.0	7.0	20.3	343.0	350.0	111.0	462.0	113.0	374.0	0.0	23.0	2044.3
1940	25.0	106.0	66.0	179.0	339.0	482.0	382.0	43.0	161.0	124.0	70.0	65.0	2042.0
1941	0.0	78.0	71.0	113.0	359.0	229.0	674.0	276.0	120.0	126.0	168.0	64.8	2278.8
1942	7.0	28.0	51.0	97.0	184.0	77.0	157.0	315.0	180.0	67.0	52.0	11.0	1226.0
1943	11.0	27.0	103.0	41.0	392.0	110.0	216.0	103.0	287.0	33.0	64.0	0.0	1387.0
1944	7.0	11.2	16.0	39.0	261.0	405.6	175.0	604.0	75.0	148.0	70.0	0.0	1811.8
1945	2.0	175.0	91.0	88.0	362.0	144.0	328.0	241.0	150.0	63.0	173.0	49.0	1866.0
1946	58.0	39.0	47.0	46.0	266.0	236.0	188.0	130.0	309.0	39.0	174.0	54.0	1586.0
1947	68.0	3.0	74.6	48.0	214.0	507.0	158.0	156.0	193.0	120.0	26.0	43.0	1610.6
1948	48.0	0.0	41.0	160.0	197.0	182.0	351.0	104.0	311.4	44.0	5.7	88.0	1532.1
1949	0.0	113.0	94.0	84.5	574.0	483.4	136.0	60.0	37.0	17.0	70.9	79.0	1748.8
1950	0.0	14.0	60.0	144.2	456.0	291.0	95.0	297.0	115.0	81.0	114.6	53.0	1720.8
1951	92.0	67.0	20.0	2.0	423.0	330.0	330.8	341.0	111.0	38.0	120.2	42.6	1917.6
1952	2.0	42.6	164.0	30.0	236.0	170.0	192.6	126.0	58.0	100.0	51.0	0.0	1172.2
1953	145.0	50.0	70.0	38.0	441.6	143.4	368.0	421.4	336.0	44.0	17.8	54.4	2129.6
1954	12.0	33.0	0.0	134.0	236.0	270.8	359.0	328.6	171.6	71.0	92.0	81.0	1789.0
1955	46.2	64.4	36.2	127.5	141.0	297.2	142.4	220.4	85.8	19.4	41.2	159.0	1380.7
1956	101.0	16.0	140.0	142.0	144.0	80.0	226.0	44.0	87.4	79.6	42.8	10.6	1113.4
1957	36.0	0.0	0.0	36.5	208.3	171.5	252.5	208.0	68.5	64.0	45.5	58.5	1149.3
1958	39.4	8.5	13.8	92.0	337.5	257.5	174.5	172.5	171.5	24.7	146.5	0.0	1438.4
1959	83.0	9.0	63.5	244.7	197.0	111.5	243.0	146.0	165.5	139.5	17.5	2.0	1422.2

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ANO      ENE      FEB      MAR      ABR      MAY      JUN      JUL      AG      SEP      OCT      NOV      DIC      TOT
*****
1960     70.0     0.5     63.0     57.0     108.5    297.5    218.5    109.5    72.4    158.0    20.0    15.5    1190.4
1961     156.0    11.0     74.0     69.5     168.0    223.0    344.0    168.5    241.5    94.0    25.0    9.0    1583.5
1962     28.0     0.0     27.0    110.5     88.5     288.0     41.0    203.0     66.0    48.5    76.5    28.5    1005.5
1963     13.8     57.0     87.0     97.0    113.0    261.5    197.0    420.0    120.5    152.1    88.0    37.8    1644.7
1964     51.0     37.0     22.0     26.0    156.0    173.0    112.0    161.0     81.0    36.0    61.0    186.0    1102.0
1965     87.0     91.0     34.0    241.0    175.0    289.0    267.0    310.0     57.0    121.0    180.0    105.0    1957.0
1966      4.3      8.0     44.0    200.0    164.0    458.0    351.0    185.0     63.0    84.0    42.0    117.0    1720.0
1967     67.0     49.0     15.0     32.0    205.0    115.0    218.0    163.0    107.0    95.0    23.0    48.0    1137.0
1968      3.0     98.0     47.0     84.0     30.0    139.0     75.0    136.0    138.0    63.0    87.0    107.0    1007.0
*****
MIN       0.0      0.0      0.0      2.0     30.0     77.0     41.0     43.0     37.0     16.0      0.0      0.0     949.3
MAX     170.0    175.0    286.0    349.6    574.0    645.0    886.0    604.0    336.0    374.0    308.3    186.0    2944.0
PROM     43.5     40.5     66.4    115.4    250.3    292.1    264.6    224.7    137.5     90.7     75.0     59.2    1653.9
DESV     42.8     40.6     48.3     80.0    134.6    141.4    151.4    116.1     81.0     59.8     60.9     47.3     408.9
CV       1.0      1.0      0.7      0.7      0.5      0.5      0.6      0.5      0.6      0.7      0.8      0.8      0.2
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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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 ZONA 7 HOYA 216 IMPERIAL SUP 12464 (KM2)  
 EST 5 FDO SAN ELIAS  
 LAT 3814 LON 7222  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1942	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	175.0	40.0	-1.0	5.0	-1.0
1943	0.0	8.0	104.0	37.0	291.0	88.0	169.0	164.0	187.0	45.0	50.0	0.0	1143.0
1944	8.0	8.0	7.0	34.0	198.0	358.0	138.0	482.0	56.0	172.0	55.0	0.0	1516.0
1945	0.0	118.0	74.0	81.0	329.0	122.0	386.0	241.0	154.0	67.0	176.0	35.0	1783.0
1946	57.0	41.0	38.0	75.0	280.0	243.0	223.0	115.5	316.0	71.5	126.0	52.0	1638.0
1947	61.5	5.0	21.0	57.0	208.0	469.5	165.0	147.5	176.0	103.0	35.0	56.0	1504.5
1948	59.0	4.0	49.5	150.0	201.0	217.5	276.0	106.0	270.5	79.0	10.0	74.0	1496.5
1949	0.0	88.0	98.0	75.0	549.0	408.0	124.0	65.5	33.0	23.0	33.5	75.0	1572.0
1950	1.0	18.0	64.5	221.5	500.0	320.0	101.5	336.5	148.5	89.0	127.0	37.5	1965.0
1951	96.5	57.0	20.5	7.5	496.5	531.5	369.0	94.5	118.5	55.0	132.0	30.0	2008.5
1952	1.0	98.0	145.5	14.5	254.0	191.0	181.5	129.0	72.0	101.5	74.0	0.0	1202.0
1953	141.0	39.0	56.0	61.5	412.0	129.0	398.0	399.0	318.5	50.0	44.0	28.0	2076.0
1954	7.5	50.5	0.0	159.0	265.0	292.0	453.0	244.5	102.5	85.0	30.5	73.5	1763.5
1955	39.0	62.5	11.0	97.0	137.5	236.5	73.5	221.0	65.0	18.0	21.0	136.5	1118.5
1956	162.5	21.0	174.0	169.0	190.0	106.5	286.5	78.0	81.0	87.5	28.0	12.0	1396.0
1957	44.0	0.0	0.5	43.0	273.0	183.0	420.0	273.5	111.0	77.0	69.5	75.0	1569.5
1958	36.5	12.5	13.0	114.5	374.5	324.0	202.0	211.0	175.5	25.5	185.0	0.0	1674.0
1959	104.0	13.5	72.5	265.5	218.5	130.0	280.5	140.0	183.0	146.0	13.0	3.0	1569.5
1960	74.5	0.5	70.0	35.0	140.0	362.5	261.0	111.5	75.5	201.5	23.5	19.0	1374.5
1961	156.5	-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	7.5	137.5	88.0	73.5	65.5	33.0	18.0	10.0	0.0	1118.5
MAX	162.5	118.0	174.0	265.5	549.0	531.5	453.0	482.0	318.5	201.5	185.0	136.5	2076.0
PROM	55.2	32.5	56.6	94.3	295.4	261.8	250.4	197.8	148.3	80.9	68.5	37.4	1576.1
DESV	54.7	32.8	49.8	72.4	124.4	130.1	116.5	115.8	83.6	49.1	56.0	37.1	277.0
CV	1.0	1.0	0.9	0.8	0.4	0.5	0.5	0.6	0.6	0.6	0.8	1.0	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 7 HOYA 216 IMPERIAL SUP 12464 (KM2)

EST 6 FDO STA VICTORIA

LAT 3815 LON 7214 ALT 406 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1926	-1.0	-1.0	-1.0	-1.0	253.6	473.5	190.2	264.6	172.8	114.2	80.8	112.5	-1.0
1927	12.6	46.0	54.7	79.4	367.3	225.7	403.5	191.2	401.8	129.1	72.0	42.8	2026.1
1928	65.9	56.2	187.5	238.5	355.0	364.6	316.1	133.3	75.0	41.6	92.8	59.6	1986.1
1929	129.0	6.0	10.0	53.0	157.0	367.0	200.0	310.0	208.0	88.0	63.0	156.0	1747.0
1930	7.0	10.0	28.0	267.0	146.0	539.0	471.0	268.0	88.0	230.0	143.0	176.0	2373.0
1931	133.0	7.0	47.0	146.0	105.0	326.0	234.0	232.0	76.0	144.0	66.0	10.0	1526.0
1932	34.0	35.0	72.0	312.0	50.0	525.0	414.0	261.0	149.0	142.0	59.0	123.0	2176.0
1933	132.0	27.0	87.0	148.0	185.0	381.0	208.0	269.0	119.0	119.0	55.0	127.0	1857.0
1934	16.0	85.0	117.0	62.0	226.0	594.0	186.0	93.0	91.0	86.0	41.0	24.0	1621.0
MIN	7.0	6.0	10.0	53.0	50.0	225.7	186.0	93.0	75.0	41.6	41.0	10.0	1526.0
MAX	133.0	85.0	187.5	312.0	367.3	594.0	471.0	310.0	401.8	230.0	143.0	176.0	2373.0
PROM	66.2	34.0	75.4	163.2	205.0	421.8	291.4	224.7	153.4	121.5	74.7	92.3	1914.0
DESV	56.9	27.7	56.3	98.9	107.2	118.5	112.0	71.5	104.0	51.9	29.6	59.8	284.0
CV	0.9	0.8	0.7	0.6	0.5	0.3	0.4	0.3	0.7	0.4	0.4	0.6	0.1

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

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ZONA 7

HOYA 216 IMPERIAL  
EST 7 TRAIQUEN  
LAT 3815 LON 7240 ALT 170 (MJS)

SUP 12464 (KM2)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1912	8.1	13.5	57.3	121.9	153.5	148.9	83.7	113.8	18.2	43.1	46.2	4.2	812.4
1913	0.0	0.0	41.3	259.8	340.6	150.8	317.2	171.0	122.8	20.1	1.0	23.0	1447.6
1914	67.0	0.0	11.7	46.2	170.5	352.9	261.9	120.2	156.7	37.6	67.4	27.2	1319.3
1915	2.2	16.5	9.2	164.1	437.8	131.8	221.6	110.0	86.9	44.7	20.1	11.5	1256.4
1916	59.5	5.4	101.1	103.1	166.1	61.7	140.2	181.1	160.7	30.8	100.4	88.6	1198.7
1917	-1.0	-1.0	2.3	13.0	89.5	171.8	50.7	77.4	150.9	37.9	24.8	45.7	-1.0
1918	52.7	0.0	113.9	214.1	201.5	167.5	183.3	86.8	124.0	56.9	198.9	0.0	1599.6
1919	18.3	40.6	45.9	177.2	391.9	145.7	281.0	137.6	124.6	31.2	196.8	25.3	1616.1
1920	2.7	5.0	143.5	78.9	479.1	117.3	57.7	156.6	76.0	52.8	90.4	22.7	1282.7
1921	38.7	37.8	44.5	115.2	283.9	214.6	68.0	143.0	55.7	41.9	0.5	106.3	1150.1
1922	34.5	3.6	92.4	18.5	183.4	289.2	442.6	257.4	86.4	66.0	11.3	0.0	1485.3
1923	5.6	38.9	88.9	4.6	41.6	143.1	105.5	265.0	57.2	96.9	70.2	28.2	945.7
1924	0.0	61.7	67.0	21.2	81.6	182.3	126.8	72.2	54.6	25.9	6.4	9.2	708.9
1925	10.4	37.6	27.5	167.6	56.6	230.8	108.2	130.7	212.8	38.0	88.7	43.5	1152.4
1926	24.2	14.2	138.5	71.5	146.8	339.9	123.4	236.0	103.1	76.6	61.6	57.6	1393.4
1927	16.1	28.9	32.8	56.4	252.8	158.7	249.7	149.7	282.8	74.6	43.3	23.4	1369.2
1928	24.6	34.4	59.4	128.4	181.0	207.0	195.9	62.8	29.8	23.2	47.3	51.2	1045.0
1929	75.0	0.3	9.0	44.0	145.0	196.0	85.0	252.0	151.0	61.0	36.0	95.0	1149.3
1930	0.0	2.0	20.0	195.0	96.0	272.0	294.0	150.0	32.0	128.0	77.0	170.0	1436.0
1931	62.0	6.0	48.0	169.0	82.0	207.0	202.0	126.0	60.0	48.0	28.0	11.0	1049.0
1932	12.0	10.0	24.0	185.0	21.0	358.0	263.0	154.0	73.0	101.0	24.0	70.0	1295.0
1933	63.0	15.0	36.0	107.0	115.0	200.0	104.0	125.0	66.0	63.0	28.0	51.0	973.0
1934	5.0	26.0	75.0	25.0	133.0	456.0	122.0	37.0	68.0	54.0	20.0	10.0	1031.0
1935	20.0	50.0	30.0	32.0	269.0	242.0	102.0	137.0	138.0	67.0	89.0	43.0	1219.0
1936	60.0	16.0	66.0	131.0	310.0	191.0	171.0	191.0	89.0	45.0	32.0	103.0	1405.0
1937	0.5	80.0	16.0	32.0	172.0	203.0	228.0	307.0	45.0	8.0	40.0	45.0	1176.5
1938	14.0	0.0	136.0	64.0	121.0	208.0	251.0	73.0	55.0	63.0	82.0	2.0	1089.0
1939	47.0	56.0	5.0	7.0	307.0	237.0	99.0	210.0	98.0	217.0	14.0	11.0	1308.0
1940	34.0	116.0	36.0	125.0	293.0	383.0	317.0	44.0	58.0	73.0	77.0	50.0	1606.0
1941	0.0	69.0	34.0	87.0	172.0	193.0	366.0	258.0	31.0	39.0	216.0	46.0	1511.0
1942	1.0	26.0	28.0	71.0	128.0	97.0	172.0	208.0	99.0	34.0	37.0	5.0	906.0
1943	0.0	6.0	103.0	34.0	241.0	92.0	146.0	102.0	144.0	44.0	35.0	0.0	947.0
1944	8.0	9.0	10.0	51.0	160.9	307.0	123.5	333.1	54.3	107.6	55.6	1.0	1221.0
1945	5.7	86.8	62.7	78.4	357.0	126.5	267.1	211.6	82.5	54.1	110.1	21.1	1463.6
1946	66.7	35.9	19.7	44.2	184.4	178.7	169.5	77.0	185.2	41.2	66.1	69.2	1135.8
1947	34.9	4.8	62.5	31.1	215.8	406.7	99.1	122.0	116.8	86.5	26.7	31.5	1238.4
1948	60.2	5.2	23.4	114.5	153.8	156.6	235.6	182.1	221.6	47.7	4.6	59.3	1264.6
1949	0.0	48.8	108.9	64.0	400.7	350.5	54.2	42.0	18.1	14.5	18.0	73.1	1192.8
1950	0.0	22.0	62.1	159.4	344.3	301.4	91.6	280.6	110.0	72.5	100.5	18.0	1562.4
1951	116.5	30.0	9.5	1.0	422.6	311.7	241.0	63.5	77.2	52.5	106.0	26.5	1458.0
1952	0.0	18.5	56.2	11.0	199.8	142.5	119.5	108.7	53.1	87.5	21.0	0.0	817.8
1953	150.7	23.5	36.2	38.3	323.0	140.7	352.0	364.1	288.9	72.0	23.1	37.1	1849.6
1954	2.0	44.5	0.0	153.8	212.6	246.5	417.7	270.0	87.0	87.6	17.5	63.5	1602.7
1955	29.0	55.5	7.5	96.0	150.2	239.9	61.0	172.7	50.7	10.0	26.3	145.2	1044.0
1956	105.3	7.5	168.9	123.5	174.5	86.5	222.0	81.5	92.0	81.5	40.5	11.0	1194.7
1957	44.0	0.0	0.0	39.5	219.0	167.5	340.5	251.2	77.0	66.5	41.5	80.5	1327.2
1958	24.0	5.5	9.0	90.0	333.3	253.9	182.5	215.1	152.5	6.5	96.0	1.0	1369.3
1959	93.0	17.5	78.0	241.5	205.0	112.7	298.2	118.2	188.4	139.0	3.0	3.0	1497.5
1960	91.4	6.7	92.5	30.5	120.7	332.7	210.4	130.5	84.5	160.0	27.0	14.0	1300.9
1961	106.5	8.0	91.5	60.5	152.5	240.5	369.0	139.1	241.5	83.6	24.0	7.0	1523.7

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1962	33.5	0.0	24.2	88.5	57.0	246.0	36.5	183.0	90.2	69.5	59.0	5.0	892.4
1963	15.5	11.5	77.7	90.7	97.0	205.0	182.0	136.5	93.0	135.0	112.4	19.0	1175.3
1964	42.0	31.0	23.0	32.0	177.0	127.0	118.0	183.0	56.0	37.0	67.0	140.0	1033.0
1965	52.0	52.0	26.0	194.0	149.0	260.0	244.0	357.0	62.0	64.0	151.0	78.0	1689.0
MIN	0.0	0.0	0.0	1.0	21.0	61.7	36.5	37.0	18.1	6.5	0.5	0.0	708.9
MAX	150.7	116.0	168.9	259.8	479.1	456.0	442.6	364.1	288.9	217.0	216.0	170.0	1849.6
PROM	34.7	25.3	51.7	90.8	205.1	216.4	192.1	164.2	103.6	63.3	57.5	40.4	1258.8
DESV	35.9	25.5	41.4	65.3	108.2	88.0	101.6	81.0	62.9	39.2	49.5	40.1	246.7
CV	1.0	1.0	0.8	0.7	0.5	0.4	0.5	0.5	0.6	0.6	0.9	1.0	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

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PRECIPITACIONES (MM)
*****
ZONA 7 HCYA 216 IMPERIAL SLP 12464 (KM2)
EST 9 SELVA CSCSRA PRCP DMC TIPC PV
LAT 3822 LCN 7210 ALT 449 (MTS)
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AÑO AÑO AÑO AÑO AÑO AÑO AÑO AÑO AÑO AÑO AÑO AÑO AÑO AÑO AÑO
1965 38.0 134.0 42.0 229.0 183.0 248.0 270.0 222.0 59.0 70.0 137.0 120.0 1862.0
1966 0.0 10.0 -1.0 108.0 150.0 291.0 256.0 141.0 72.0 95.0 50.0 96.0 -1.0
1967 88.0 54.0 42.0 32.0 186.0 91.0 180.0 162.0 114.0 141.0 23.0 71.0 1184.0
1968 0.0 98.5 32.0 66.0 63.0 134.5 86.5 120.5 155.5 75.0 92.0 92.0 1016.5
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PRECIPITACIONES (MM)

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ZONA 7 HOYA 216 IMPERIAL SUP 12464 (KM2)

EST 10 GALV VISTA HERMOSA

LAT 3825 LON 7252

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1960	76.0	2.0	50.0	21.0	110.0	235.0	131.0	97.0	62.0	75.0	18.0	28.0	905.0
1961	74.0	1.0	50.0	25.0	130.0	185.0	299.0	124.0	146.0	36.0	22.0	12.0	1104.0
1962	33.0	0.0	41.0	63.0	41.0	90.0	17.0	118.0	37.0	28.0	46.0	15.0	529.0
1963	0.9	5.0	47.0	57.0	81.0	127.0	116.0	242.0	52.0	118.0	78.0	19.0	942.9
1964	34.0	11.0	28.0	15.0	130.0	115.0	82.0	123.0	36.0	22.0	55.0	96.0	747.0
1965	19.0	46.0	7.0	116.0	112.0	174.0	165.0	247.0	53.0	42.0	145.0	64.0	1190.0
1966	0.0	0.9	15.0	108.0	81.0	254.0	179.0	86.0	52.0	56.0	29.0	88.0	984.9
1967	36.0	26.0	19.0	19.0	220.0	87.0	244.0	196.0	75.0	74.0	23.0	20.0	1039.0
1968	1.1	53.0	23.0	59.0	41.0	87.0	52.0	97.0	125.0	53.0	32.0	89.0	715.0
MIN	0.0	0.0	7.0	15.0	41.0	87.0	17.0	86.0	36.0	22.0	18.0	12.0	529.0
MAX	76.0	53.0	50.0	116.0	220.0	254.0	299.0	247.0	146.0	118.0	145.0	96.0	1190.0
PROM	30.4	16.1	31.1	53.7	105.1	150.4	142.8	147.8	70.9	56.0	49.8	47.9	906.3
DESV	29.2	20.7	16.3	38.0	54.6	64.4	90.2	63.3	38.8	29.7	40.5	35.8	208.9
CV	1.0	1.3	0.5	0.7	0.5	0.4	0.6	0.4	0.5	0.5	0.8	0.7	0.2

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 7 HOYA 216 IMPERIAL SUP 12464 (KM2)  
 EST. 11 GALVARINO HOSPITAL  
 LAT 3825 LON 7252

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1959	88.0	0.0	24.0	140.0	132.0	72.0	157.0	74.0	126.0	121.0	3.8	2.2	948.0
1965	21.0	51.0	14.0	121.0	93.0	176.0	170.0	271.0	54.0	46.0	143.0	60.0	1220.0
1966	0.0	0.0	7.7	102.0	71.0	255.0	148.0	91.0	44.0	66.0	36.0	78.0	898.7
1967	32.0	19.0	12.0	14.0	134.0	68.0	129.0	168.0	74.0	52.0	13.0	10.0	725.0
1968	0.0	60.0	46.0	70.0	21.0	67.0	47.0	49.0	124.0	61.0	-1.0	96.0	-1.0
MIN	0.0	0.0	7.7	14.0	21.0	67.0	47.0	49.0	44.0	46.0	3.8	2.2	725.0
MAX	88.0	60.0	46.0	140.0	134.0	255.0	170.0	271.0	126.0	121.0	143.0	96.0	1220.0
PROM	28.2	26.0	20.7	89.4	90.2	127.6	130.2	130.6	84.4	69.2	48.9	49.2	947.9
DESV	36.2	28.2	15.3	49.4	47.0	85.0	48.8	90.2	38.6	30.0	64.1	41.5	205.1
CV	1.3	1.1	0.7	0.6	0.5	0.7	0.4	0.7	0.5	0.4	1.3	0.8	0.2

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

*****													
ZONA	7												
HOYA	21-6 IMPERIAL												
EST	12 EL ARCMC												
LAT	3825 LON 7252 ALT 40 (MTS)												
*****													
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
*****													
1932	14.7	13.3	33.6	181.7	20.9	257.9	255.4	122.0	82.0	75.0	17.0	62.0	1135.5
1933	66.0	25.0	30.0	103.0	84.0	172.0	108.0	117.0	57.0	65.0	23.0	41.0	891.0
1934	5.0	22.0	41.0	36.0	116.0	343.0	93.0	53.0	43.0	33.0	27.0	5.0	817.0
1935	26.0	42.0	24.0	26.0	132.0	201.0	92.0	148.0	94.0	39.0	60.0	25.0	909.0
1936	33.0	11.0	57.0	75.0	186.0	130.0	121.0	128.0	62.0	40.0	21.0	53.0	917.0
1937	3.0	62.0	18.0	21.0	147.0	193.0	161.0	179.0	38.0	6.0	37.0	13.0	878.0
1938	9.0	0.0	92.0	49.0	106.0	164.0	208.0	66.0	44.4	36.0	57.0	1.0	832.4
1939	35.0	31.0	4.0	3.0	206.0	132.0	59.0	136.0	42.0	134.0	7.0	9.0	798.0
1940	13.0	59.0	35.0	73.0	190.0	228.0	235.0	34.0	38.0	56.0	47.0	41.0	1049.0
1941	0.0	55.0	42.0	74.0	128.0	124.0	252.0	143.0	20.0	42.0	129.0	24.0	1033.0
1942	0.0	12.0	19.0	52.0	96.0	67.0	125.0	119.0	63.0	20.0	26.0	7.0	606.0
1943	0.0	8.0	48.0	20.0	144.0	86.0	87.0	90.0	111.0	24.0	30.0	0.0	648.0
1944	1.0	0.0	7.0	30.0	161.8	296.7	144.3	311.0	52.8	102.7	38.4	1.0	1146.7
1945	10.0	35.4	61.8	63.9	260.6	127.7	215.7	198.5	85.8	49.6	64.9	29.0	1202.9
1946	45.0	30.5	28.1	31.0	222.5	106.8	163.0	59.7	103.2	33.7	63.4	59.1	946.0
1947	21.6	10.5	45.2	38.6	199.7	320.6	69.0	85.6	106.5	66.2	16.6	27.0	1007.1
1948	47.4	11.2	18.3	78.3	129.3	170.2	232.7	89.0	209.1	40.4	9.5	32.3	1067.1
1949	1.0	52.2	97.1	47.6	347.6	297.6	46.8	38.0	11.0	5.1	41.5	48.8	1034.3
1950	1.6	7.8	54.3	131.1	251.3	269.4	77.8	206.3	86.3	48.7	83.4	26.1	1244.1
1951	58.1	23.3	4.7	2.5	354.0	254.7	197.2	61.8	60.4	22.1	63.2	18.0	1120.0
1952	0.3	6.0	102.4	18.3	124.3	137.3	86.3	64.6	39.0	35.0	20.8	2.2	636.5
1953	66.6	19.0	14.0	25.3	222.8	139.9	248.3	298.5	180.2	31.6	7.4	27.0	1280.6
1954	0.0	34.2	3.6	111.3	167.0	212.6	279.7	172.3	46.0	66.1	1.4	49.4	1143.6
1955	18.0	49.5	3.5	91.9	60.1	132.7	58.4	130.8	30.8	1.0	23.0	86.0	685.7
1956	80.5	3.5	81.6	70.1	132.5	70.7	179.5	68.4	74.8	63.6	27.2	5.3	857.7
1957	22.2	0.0	0.0	21.0	241.8	130.8	247.0	199.7	55.5	56.9	43.0	51.0	1068.9
1958	17.0	7.0	36.0	76.5	91.0	212.9	143.4	189.5	115.5	18.4	18.0	0.0	925.2
1959	88.0	0.0	24.6	147.6	132.6	72.4	157.2	74.4	126.2	120.8	3.8	2.2	949.8
1960	75.9	1.5	50.3	20.9	110.2	235.3	131.1	97.1	61.9	74.5	17.6	27.6	903.9
1961	73.9	1.4	50.0	25.1	130.0	184.6	298.9	123.6	146.3	36.4	21.6	12.5	1104.2
1962	33.3	0.0	40.5	63.3	40.5	189.6	17.0	117.8	37.3	27.7	46.0	15.2	628.2
1963	0.9	5.0	46.5	57.4	80.9	127.1	115.9	242.4	52.0	118.2	77.8	18.5	942.6
1964	33.5	11.4	28.4	14.6	129.9	114.9	82.1	122.4	36.0	22.0	54.8	96.0	747.0
1965	18.9	46.1	7.4	115.9	112.2	174.2	165.0	247.4	53.3	41.6	144.9	64.4	1191.3
1966	0.0	0.9	15.0	107.8	81.4	254.5	179.4	86.5	51.9	56.4	28.7	88.5	951.0
1967	36.0	26.0	19.0	19.0	220.0	87.0	244.0	196.0	75.0	74.0	23.0	20.0	1039.0
1968	1.1	52.5	22.6	58.8	41.3	86.7	52.4	96.6	125.2	52.7	32.4	89.0	711.3
*****													
MIN	0.0	0.0	0.0	2.5	20.9	67.0	17.0	34.0	11.0	1.0	1.4	0.0	606.0
MAX	88.0	62.0	102.4	181.7	354.0	343.0	298.9	311.0	209.1	134.0	144.9	96.0	1280.6
PROM	25.9	21.0	35.3	59.0	151.4	175.8	152.1	132.8	73.4	49.6	39.3	31.8	947.3
DESV	27.0	19.7	26.6	42.4	77.1	74.7	75.4	69.5	43.4	31.3	31.5	27.8	182.6
CV	1.0	0.9	0.8	0.7	0.5	0.4	0.5	0.5	0.6	0.6	0.8	0.9	0.2
*****													

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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 ZONA 7 HOYA 216 IMPERIAL SUP 12464 (KM2)  
 EST 13 CURACAUTIN  
 LAT 3826 LON 7154 ALT 521 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1944	21.9	13.9	21.9	35.0	180.0	457.0	186.0	512.0	78.0	194.0	118.0	0.0	1817.5
1945	0.0	191.0	175.0	99.0	313.0	181.0	493.0	229.0	186.0	75.0	271.0	93.0	2306.0
1946	106.0	143.0	59.2	121.0	267.0	255.0	345.0	166.0	228.0	84.0	186.2	52.6	-1.0
1947	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1948	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1949	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1950	0.0	25.0	127.0	384.0	619.0	525.0	750.0	340.0	-1.0	122.1	79.0	98.5	-1.0
1951	237.0	113.4	47.0	9.0	464.5	369.5	372.2	174.7	214.1	66.2	157.9	96.9	2322.4
1952	1.7	93.2	347.1	34.8	383.3	175.9	192.9	263.8	122.4	211.7	66.0	1.7	1894.5
1953	153.2	63.9	99.2	65.4	513.6	178.2	422.2	304.8	324.1	77.5	17.3	43.3	2262.7
1954	22.6	48.2	3.2	164.6	263.5	248.5	476.2	292.5	132.2	84.3	38.9	184.2	1958.9
1955	62.1	150.1	27.6	145.4	142.4	324.1	130.3	211.5	71.2	16.7	39.0	240.5	1560.9
1956	168.0	27.7	255.8	198.2	237.9	127.5	323.7	112.8	79.6	99.1	73.8	2.2	1706.3
1957	45.7	0.0	7.6	60.3	211.2	248.5	352.4	422.4	55.5	119.7	76.9	62.8	1663.0
1958	54.6	26.7	15.3	140.2	307.3	334.4	171.1	206.7	149.7	39.0	203.4	2.0	1650.4
1959	93.1	36.4	79.7	217.1	148.6	178.5	189.5	209.8	202.6	-1.0	-1.0	-1.0	-1.0
1960	70.9	0.9	72.8	64.1	125.4	241.1	238.1	129.4	67.9	170.2	32.2	32.9	1245.9
1961	155.5	30.1	70.6	126.9	198.8	177.6	237.4	151.7	244.2	142.4	41.4	27.3	1603.9
1962	66.0	0.0	-1.0	79.7	91.6	257.2	57.9	245.5	77.9	17.5	78.1	27.5	-1.0
1963	29.3	43.0	90.0	-1.0	98.6	210.1	195.7	380.5	155.6	186.5	131.8	47.0	-1.0
1964	56.3	66.5	30.7	-1.0	205.8	159.2	106.8	122.0	81.0	58.2	50.7	-1.0	-1.0
1965	115.1	114.0	32.4	215.5	217.8	390.9	197.5	257.7	63.0	94.3	152.5	67.8	1918.5
1966	4.7	14.2	-1.0	85.3	-1.0	-1.0	-1.0	158.8	41.6	89.0	-1.0	-1.0	-1.0
1968	2.3	136.0	76.0	56.0	77.0	96.0	78.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	3.2	9.0	77.0	96.0	57.9	112.8	41.6	16.7	17.3	0.0	1245.9
MAX	237.0	191.0	347.1	384.0	619.0	525.0	750.0	512.0	324.1	211.7	271.0	240.5	2322.4
PROM	69.8	63.7	86.2	121.1	253.3	256.8	275.8	244.6	135.5	102.5	100.8	63.5	1841.1
DESV	65.7	56.9	88.5	88.6	145.9	112.1	168.7	106.1	78.8	57.0	69.8	65.6	333.5
CV	0.9	0.9	1.0	0.7	0.6	0.4	0.6	0.4	0.6	0.6	0.7	1.0	0.2

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 7 HOYA 216 IMPERIAL SUP 12464 (KM2)

EST 14 QUILLIN EN LONGITUD

LAT 3827 LON 7223 ALT 278 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1955	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	5.0	0.0	-1.0
1960	33.0	0.0	154.0	78.0	264.0	413.0	295.0	180.0	190.0	191.0	45.0	120.0	1963.0
1961	190.0	35.0	90.0	210.0	301.0	197.0	343.0	165.0	210.0	55.0	19.0	12.0	1827.0
1962	36.0	0.0	27.0	105.0	520.0	272.0	35.0	216.0	44.0	36.0	61.0	0.0	1352.0
1963	39.0	28.0	81.0	122.0	168.0	163.0	207.0	171.0	118.1	144.0	102.0	29.0	1372.1
1964	73.0	25.0	28.0	45.0	39.0	48.0	84.0	104.0	20.0	35.0	30.0	145.0	676.0
1965	50.6	60.0	35.0	170.0	182.0	138.0	103.0	330.0	30.0	15.0	0.0	90.0	1203.6
1966	0.0	5.0	10.0	115.0	45.0	135.0	120.0	89.0	0.0	25.0	10.0	80.0	634.0
1967	35.0	0.0	0.0	0.0	30.0	0.0	95.0	165.0	0.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	0.0	0.0	0.0	30.0	0.0	35.0	89.0	0.0	15.0	0.0	0.0	634.0
MAX	190.0	60.0	154.0	210.0	520.0	413.0	343.0	330.0	210.0	191.0	102.0	145.0	1963.0
PROM	57.1	19.1	53.1	105.6	193.6	170.8	160.3	177.5	76.5	71.6	34.0	59.5	1289.7
DESV	57.4	21.8	51.6	66.5	167.6	128.9	109.8	74.0	85.0	68.0	34.4	56.8	511.0
CV	1.0	1.1	1.0	0.6	0.9	0.8	0.7	0.4	1.1	1.0	1.0	1.0	0.4

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

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ZONA 7

HOYA 216 IMPERIAL  
 EST 15 NALALCAHUELLO  
 LAT 3828 LON 7134

SUP 12464 (KM2)

230.

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1964	-1.0	-1.0	70.0	94.5	254.5	228.5	186.0	210.5	164.0	132.5	113.0	-1.0	-1.0
1965	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	26.5	209.0	235.0	147.0	-1.0
1966	0.0	30.0	75.0	202.0	-1.0	-1.0	285.0	205.0	82.0	169.0	68.0	-1.0	-1.0
1967	160.0	112.0	151.0	56.0	373.0	214.0	233.0	172.0	107.5	269.2	140.0	-1.0	-1.0
1968	35.0	162.0	113.0	128.0	201.0	235.0	230.0	210.0	169.0	159.0	169.0	189.0	2000.0

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PRECIPITACIONES (MM)

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 ZONA 7 HOYA 216 IMPERIAL SUP 12464 (KM2)  
 EST 16 LAUTARO  
 LAT 3831 LON 7222  
 \*\*\*\*\*  
 ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT  
 \*\*\*\*\*  
 1965 46.0 68.0 32.0 142.0 178.0 212.0 220.0 352.0 76.0 147.0 176.0 105.0 1754.0  
 1966 1.4 8.0 38.0 186.0 127.0 345.0 217.0 162.0 83.0 105.0 48.0 134.0 1454.4  
 1967 90.0 46.0 19.0 36.0 290.0 138.0 287.0 209.0 126.0 100.0 34.0 29.0 1404.0  
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PRECIPITACIONES (MM)

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ZONA 7

HOYA 216 IMPERIAL  
EST 17 LAUTARO BT PILLALEB.  
LAT 3831 LON 7226 ALT 214 (MTS)

SUP 12464 (KM2)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1953	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	248.0	265.0	205.0	52.0	37.0	8.0	-1.0
1954	51.5	0.5	44.0	181.0	244.0	156.0	-1.0	239.0	94.3	62.5	17.5	62.0	-1.0
1955	34.0	37.0	20.0	97.5	81.0	188.0	60.0	130.0	27.0	-1.0	21.0	121.0	-1.0
1956	152.0	8.0	147.0	73.0	56.0	74.0	137.0	76.0	77.0	42.0	27.0	-1.0	-1.0
1957	30.0	0.0	2.0	33.0	162.0	111.0	240.0	235.0	53.0	92.0	24.0	48.0	1030.0
1958	19.0	25.0	13.0	77.0	257.0	267.0	162.0	186.0	131.0	13.0	78.0	5.0	1233.0
1959	77.0	12.0	66.0	243.0	201.0	102.0	196.0	137.0	162.0	183.0	13.0	-1.0	-1.0
1960	119.0	5.0	68.0	74.0	141.0	331.0	227.0	110.0	87.0	135.0	13.0	24.0	1334.0
1961	155.0	23.0	74.0	78.0	192.0	182.0	372.0	184.0	195.0	72.0	23.0	19.5	1567.5
1962	46.0	0.0	31.5	92.0	59.5	205.0	37.5	227.0	105.0	44.5	75.5	0.9	924.4
1963	17.5	50.5	82.7	95.5	119.5	192.0	154.5	271.0	122.0	153.0	102.5	36.5	1397.2
1964	42.0	44.5	49.5	28.0	173.5	155.0	124.0	148.0	66.0	65.0	70.5	164.0	1130.0
1965	43.0	84.0	37.5	147.0	147.0	256.0	198.0	277.5	79.0	107.0	153.0	102.5	1631.5
1966	0.0	8.0	38.5	128.0	147.5	319.0	207.0	170.0	96.5	106.0	41.0	161.0	1422.5
1967	81.0	38.5	30.5	39.0	258.0	150.5	256.0	179.0	120.0	94.5	42.0	48.0	1337.0
1968	0.0	62.0	56.0	105.0	109.0	136.0	110.0	205.0	166.0	72.0	42.0	145.0	1209.0
1969	2.0	40.5	22.0	-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	2.0	28.0	56.0	74.0	37.5	76.0	27.0	13.0	13.0	0.9	924.4
MAX	155.0	84.0	147.0	243.0	258.0	331.0	372.0	277.5	205.0	183.0	153.0	164.0	1631.5
PROM	54.3	27.4	48.9	99.4	156.5	188.3	181.9	190.0	111.6	86.2	48.8	67.5	1292.4
DESV	50.1	25.0	34.7	57.3	65.9	76.2	84.5	60.0	50.2	45.3	38.4	59.5	215.3
CV	0.9	0.9	0.7	0.6	0.4	0.4	0.5	0.3	0.5	0.5	0.8	0.9	0.2

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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 ZONA 7 HOYA 216 IMPERIAL SUP 12464 (KM2)  
 EST 18 LAS RAICES  
 LAT 3832 LON 7132 ALT 1000 (MTS)  
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AÑO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1931	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	384.0	67.0	208.0	108.0	72.0	-1.0
1932	58.0	47.0	187.0	541.0	98.0	648.0	682.0	282.0	344.0	212.0	92.0	100.0	3291.0
1933	140.0	78.0	118.0	151.0	257.0	613.0	209.0	488.0	182.0	136.0	167.0	235.0	2774.0
1934	59.0	134.0	178.0	85.0	431.0	716.0	379.0	172.0	155.0	115.0	40.0	51.0	2515.0
1935	75.0	-1.0	-1.0	131.0	-1.0	-1.0	160.0	184.0	241.0	110.0	275.0	154.0	-1.0
1936	79.0	-1.0	-1.0	323.0	549.0	489.0	338.0	278.0	267.0	115.0	131.0	376.0	-1.0
1937	21.0	343.0	243.0	213.0	632.0	484.0	575.0	475.0	126.0	71.0	205.0	53.0	3441.0
1938	135.0	52.0	249.0	207.0	369.0	417.0	-1.0	295.0	294.0	278.0	284.0	55.0	-1.0
1939	194.0	312.0	22.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	21.0	47.0	22.0	85.0	98.0	417.0	160.0	172.0	67.0	71.0	40.0	51.0	2515.0
MAX	194.0	343.0	249.0	541.0	632.0	716.0	682.0	488.0	344.0	278.0	284.0	376.0	3441.0
PROM	95.1	161.0	166.2	235.9	389.3	561.2	390.5	319.8	209.5	155.6	162.8	137.0	3005.3
DESV	56.3	133.0	85.4	154.4	194.4	115.0	203.9	119.9	93.0	69.5	87.2	115.7	434.1
CV	0.6	0.8	0.5	0.7	0.5	0.2	0.5	0.4	0.4	0.4	0.5	0.8	0.1

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 7 HOYA 216 IMPERIAL SUP 12464 (KM2)  
 EST 19 CARILLANCA E EXP S C  
 LAT 3840 LON 7225  
 \*\*\*\*\*  
 ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT  
 \*\*\*\*\*  
 1964 -1.0 -1.0 -1.0 31.0 246.0 156.0 99.0 194.0 50.0 61.0 -1.0 -1.0 -1.0  
 1965 49.0 89.0 18.0 170.0 172.0 -1.0 185.0 308.0 71.0 85.0 144.0 88.0 -1.0  
 1966 1.2 21.0 53.0 147.0 165.0 -1.0 -1.0 -1.0 42.0 122.0 -1.0 -1.0 -1.0  
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PRECIPITACIONES (MM)

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ZONA 7

HOYA 21-6 IMPERIAL  
EST 21 CHERQUENCO  
LAT 3841 LON 7200

SUP 12464 (KM2)

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

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1938 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 43.0 -1.0

1939 186.0 126.0 22.0 54.0 596.0 358.0 216.0 401.0 213.0 406.0 60.0 22.0 2660.0

1940 81.0 164.0 124.0 372.0 653.0 529.0 503.0 136.0 196.0 110.0 189.0 188.0 9245.0

1941 0.0 93.0 103.0 170.0 314.0 336.0 467.0 553.0 87.0 133.0 372.0 137.0 2765.0

1942 15.0 52.0 119.0 209.0 336.0 187.0 340.0 434.0 278.0 85.0 92.0 18.0 2165.0

1943 0.0 83.0 203.0 34.0 286.0 126.0 255.0 148.0 300.0 109.0 125.0 10.0 1679.0

1944 21.0 24.0 42.0 67.0 237.0 570.5 136.0 430.0 177.0 249.0 152.0 4.5 2110.0

1945 20.0 253.0 242.5 146.0 468.2 298.0 525.0 352.0 235.8 150.0 258.0 124.0 3072.5

1946 87.0 161.5 117.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0

1964 46.0 120.0 76.0 88.0 290.0 311.0 146.0 362.0 146.0 152.0 109.0 352.0 2198.0

1965 120.0 180.0 59.0 277.0 353.0 454.0 354.0 419.0 144.0 141.0 250.0 211.0 2962.0

1966 0.0 70.0 135.0 242.0 305.0 555.0 362.0 207.0 77.0 188.0 42.0 217.0 2400.0

1967 178.0 76.0 37.0 76.0 320.0 124.0 369.0 220.0 177.0 190.0 -1.0 -1.0 -1.0

1968 0.0 91.0 113.0 111.0 291.0 57.0 75.0 162.0 83.0 109.0 79.0 79.0 1249.0

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MIN 0.0 24.0 22.0 34.0 237.0 57.0 75.0 136.0 77.0 85.0 42.0 4.5 1249.0

MAX 186.0 253.0 242.5 372.0 653.0 570.5 525.0 553.0 300.0 406.0 372.0 352.0 3245.0

PROM 58.0 114.9 107.1 153.8 370.8 325.5 312.3 318.7 176.1 168.5 157.1 117.1 2409.6

DESV 67.2 61.8 63.6 103.6 131.3 177.0 148.1 138.1 73.5 87.3 101.2 108.5 608.8

CV 1.2 0.5 0.6 0.7 0.4 0.5 0.5 0.4 0.4 0.5 0.6 0.9 0.3

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 7 HOYA 216 IMPERIAL SUP 12464 (KM2)

EST 23 VILCÓN RIEGC

LAT 3842 LON 7213 ALT 292 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1929	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	165.0	335.0	292.0	90.0	65.0	198.0	-1.0
1930	18.0	18.0	90.0	135.0	256.0	374.0	382.0	259.0	46.0	207.0	149.0	218.0	2152.0
1931	126.0	0.0	64.0	239.0	128.0	292.0	222.0	353.0	97.0	160.0	95.0	23.0	1809.0
1932	51.0	34.0	110.0	321.0	60.0	469.0	464.0	210.0	192.0	135.0	72.0	150.0	2268.0
1933	51.0	21.0	116.0	193.0	223.0	331.0	218.0	246.0	111.0	164.0	111.0	154.0	1939.0
1934	33.0	112.0	133.0	30.0	150.0	620.0	218.0	113.0	167.0	137.0	14.0	9.0	1736.0
1935	-1.0	85.0	75.0	101.0	394.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1965	-1.0	46.0	62.5	171.0	177.3	313.0	239.0	380.0	87.0	133.0	167.5	106.0	-1.0
1966	11.0	33.0	68.0	108.0	163.6	380.0	281.0	174.0	107.0	107.0	49.0	157.0	1638.6
1967	111.0	73.0	55.0	48.0	224.5	184.0	255.0	211.5	194.0	158.0	37.5	61.0	1612.5
1968	-1.0	72.5	80.0	111.0	193.5	155.0	143.5	-1.0	-1.0	82.0	109.0	166.0	-1.0
1969	8.0	36.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	8.0	0.0	55.0	30.0	60.0	155.0	143.5	113.0	46.0	82.0	14.0	9.0	1612.5
MAX	126.0	112.0	133.0	321.0	394.0	620.0	464.0	380.0	292.0	207.0	167.5	218.0	2268.0
PROM	51.1	48.2	85.3	145.7	197.0	346.4	258.8	253.5	143.7	137.3	86.9	124.2	1879.3
DESV	44.9	33.5	26.2	88.2	88.8	141.0	97.2	88.3	74.8	37.6	48.7	71.8	252.9
CV	0.9	0.7	0.3	0.6	0.5	0.4	0.4	0.3	0.5	0.3	0.6	0.6	0.1

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 7 HOYA 216 IMPERIAL SUP 12464 (KM2)  
 EST 24 CARAHUE  
 LAT 3843 LON 7309 ALT 10 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1912	10.9	15.0	74.0	132.0	112.0	193.9	176.5	55.0	30.2	61.6	38.2	12.4	911.7
1913	0.0	2.3	65.5	194.5	189.5	63.5	225.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1914	-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
1915	-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
1916	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	153.0	28.0	127.0	96.0	-1.0
1917	-1.0	-1.0	-1.0	-1.0	-1.0	196.3	93.0	83.7	153.4	43.3	32.2	57.6	-1.0
1918	57.4	0.1	107.3	202.6	211.9	239.7	171.9	118.7	116.7	25.5	126.7	10.9	1389.4
1919	30.6	48.2	38.3	158.8	302.8	169.6	224.0	117.8	173.6	34.4	99.0	64.1	1461.2
1920	0.0	0.0	47.2	34.5	277.0	142.1	35.0	296.8	86.4	49.3	149.0	13.4	1130.7
1933	-1.0	-1.0	-1.0	71.0	127.0	100.0	138.0	133.0	59.0	91.0	68.0	62.0	-1.0
1934	28.0	28.0	71.0	21.0	112.0	381.0	174.0	83.0	-1.0	74.0	9.0	20.0	-1.0
1935	37.0	24.0	37.0	42.0	173.0	227.0	-1.0	110.0	112.0	55.0	82.0	67.0	-1.0
1936	15.0	12.0	77.0	124.0	179.0	238.0	202.0	167.0	114.0	59.0	11.0	111.0	1309.0
1937	0.0	79.0	61.0	28.0	157.0	272.0	278.0	187.0	57.0	25.0	67.0	26.0	1237.0
1938	35.0	4.0	117.0	52.0	123.0	125.0	324.0	102.0	39.0	72.0	54.0	47.0	1094.0
1939	71.0	21.0	0.0	-1.0	-1.0	141.0	-1.0	-1.0	-1.0	-1.0	0.3	14.0	-1.0
1940	27.0	59.0	51.0	124.0	-1.0	-1.0	-1.0	-1.0	-1.0	57.0	70.0	51.0	-1.0
1941	0.0	23.0	-1.0	138.0	-1.0	114.0	256.0	281.0	43.0	-1.0	190.0	61.0	-1.0
1942	9.0	26.0	100.0	31.0	147.0	-1.0	187.0	142.0	-1.0	136.0	30.0	-1.0	-1.0
1943	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1944	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	73.9	292.7	-1.0	-1.9	55.6	-1.0	-1.0
1945	29.3	-1.0	-1.0	-1.0	174.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1964	43.0	20.0	28.0	21.0	123.0	141.0	81.0	135.0	36.0	27.0	34.0	73.0	762.0
1965	31.0	94.0	22.0	89.0	114.0	134.0	148.0	167.0	61.0	48.0	86.0	46.0	1040.0
1968	0.0	16.0	7.0	34.0	39.0	55.0	21.0	45.0	49.0	44.0	12.0	32.0	351.0
MIN	0.0	0.0	0.0	21.0	39.0	55.0	21.0	45.0	30.2	25.0	0.3	10.9	351.0
MAX	71.0	94.0	117.0	202.6	302.8	381.0	324.0	296.8	173.6	136.0	190.0	111.0	1461.2
PROM	23.6	27.7	56.5	88.1	160.1	172.5	165.2	148.0	85.6	54.7	67.0	48.0	1068.6
BESV	21.0	27.2	34.3	62.2	65.2	81.9	84.7	77.6	48.1	28.1	51.0	29.2	330.3
CV	0.9	1.0	0.6	0.7	0.4	0.5	0.5	0.5	0.6	0.5	0.8	0.6	0.3

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NOTA=VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPTACIONES (MM)

\*\*\*\*\*  
 ZONA 7 HOYA 216 IMPERIAL SUP 12464 (KM2)  
 EST 25 HUENIVALES  
 LAT 3845 LON 7140 ALT 1100 (MTS)  
 \*\*\*\*\*  
 ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT  
 \*\*\*\*\*  
 1944 -1.0 -1.0 62.0 65.0 320.0 622.0 265.0 517.0 187.0 278.0 193.0 0.0 -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 120.0 186.0 151.0 162.0 175.0 262.0 409.0 208.0 343.0 146.0 278.0 66.0 2506.0  
 1947 194.0 11.0 83.0 65.0 365.0 548.0 274.0 266.0 75.0 -1.0 -1.0 -1.0 -1.0  
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PRECIPITACIONES (MM)

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ZONA 7

HOYA 216 IMPERIAL  
EST 26 TEMUCO  
LAT 3845 LON 7235 ALT 114 (MTS)

SUP 12464 (KM2)

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

1911	-1.0	-1.0	-1.0	-1.0	202.0	70.8	179.3	85.4	30.6	17.4	113.1	97.2	-1.0
1912	3.0	26.1	49.5	129.4	113.3	174.3	110.0	91.5	10.0	94.9	82.3	29.3	913.6
1913	0.0	7.0	54.9	285.1	282.8	166.1	274.9	162.3	107.7	32.7	0.3	22.7	1396.5
1914	44.8	0.0	19.9	63.7	170.1	310.7	234.4	119.8	162.9	81.6	184.2	59.8	1471.9
1915	10.5	31.3	28.7	213.9	404.0	125.4	232.6	166.8	97.9	58.3	49.7	17.1	1436.2
1916	58.2	5.9	111.2	93.3	214.3	101.7	158.7	196.2	196.7	45.9	177.2	121.7	1481.0
1917	-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
1918	-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
1919	26.5	48.5	61.8	141.7	339.1	122.5	257.3	90.3	120.8	45.8	151.5	66.0	1471.8
1920	0.8	8.7	142.9	108.8	527.1	136.4	83.5	207.2	75.1	67.2	148.4	78.5	1584.6
1921	64.3	78.5	47.1	190.4	346.2	188.4	95.0	209.9	47.0	51.7	6.3	167.8	1492.6
1922	98.6	14.8	85.1	35.7	148.3	233.6	423.5	216.3	68.2	66.3	24.6	7.2	1362.2
1923	35.8	55.3	139.7	20.3	68.7	153.7	80.6	199.4	53.8	104.3	46.3	35.3	993.2
1924	0.8	42.2	81.7	93.5	133.8	197.3	157.0	77.3	51.3	58.9	16.1	22.3	932.2
1925	30.6	87.6	50.9	261.5	77.0	141.3	85.5	161.2	145.2	45.6	100.3	60.4	1247.1
1926	37.3	8.9	164.2	90.5	140.2	249.6	159.7	182.5	69.2	61.8	47.1	62.7	1273.7
1927	17.6	93.3	64.8	79.5	223.4	119.5	248.2	262.5	282.1	93.0	52.0	53.2	1529.1
1928	42.4	40.2	104.8	176.8	161.9	199.9	178.1	58.3	43.9	33.8	91.4	72.6	1204.1
1929	82.0	11.0	23.0	66.0	90.0	202.0	100.0	225.0	137.0	57.0	52.0	112.0	1157.0
1930	1.0	20.0	19.0	142.0	125.0	307.0	278.0	160.0	59.0	157.0	111.0	166.0	1545.0
1931	44.0	1.0	37.0	152.0	80.0	238.0	202.0	213.0	85.0	89.0	57.0	22.0	1220.0
1932	34.0	33.0	66.0	226.0	45.0	322.0	375.0	175.0	97.0	117.0	34.0	82.0	1606.0
1933	58.0	31.0	59.0	103.0	150.0	196.0	151.0	140.0	81.0	97.0	64.0	99.0	1229.0
1934	25.0	50.0	83.0	49.0	131.0	357.0	201.0	74.0	80.0	62.0	32.0	35.0	1179.0
1935	59.0	50.0	42.0	65.0	263.0	322.0	113.0	129.0	129.0	54.0	145.0	87.0	1458.0
1936	93.0	30.0	88.0	183.0	278.0	193.0	230.0	207.0	135.0	39.0	56.0	136.0	1665.0
1937	4.0	125.0	59.0	35.0	263.0	258.0	250.0	260.0	60.0	21.0	77.0	17.0	1429.0
1938	36.0	7.0	127.0	69.0	169.0	238.0	290.0	116.0	84.0	113.0	113.0	13.0	1375.0
1939	90.0	110.0	18.0	26.0	386.0	228.0	63.0	147.0	71.0	223.0	25.0	11.0	1398.0
1940	18.0	118.0	70.0	204.0	411.0	372.0	363.0	54.0	87.0	115.0	86.0	82.0	1980.0
1941	0.0	85.0	35.0	210.0	206.0	168.0	329.0	297.0	56.0	67.0	144.0	80.0	1677.0
1942	0.0	3.0	79.0	135.0	188.0	112.0	192.0	200.0	105.0	28.0	25.0	3.0	1070.0
1943	0.0	26.0	111.0	16.0	175.0	77.0	121.0	103.0	169.0	59.0	69.0	0.0	926.0
1944	13.0	9.0	20.0	80.0	231.2	440.9	134.4	338.1	84.0	177.5	110.0	1.4	1639.5
1945	3.5	102.9	129.3	93.1	279.1	110.9	304.6	173.9	84.3	51.4	114.3	22.6	1469.9
1946	63.8	92.2	41.3	29.8	204.7	146.4	230.1	135.8	102.4	63.9	106.5	45.7	1262.6
1947	120.2	30.9	80.2	57.7	247.0	312.1	99.2	121.5	150.7	85.5	62.5	36.6	1404.1
1948	57.5	7.6	31.8	82.4	162.4	209.3	151.8	97.5	239.4	62.6	11.0	37.2	1150.5
1949	0.0	26.4	117.7	48.7	485.0	147.9	44.8	55.1	17.0	24.0	29.3	98.2	1094.1
1950	1.0	16.9	78.3	266.9	217.3	259.2	122.3	179.7	100.9	48.0	82.6	71.3	1444.4
1951	118.4	49.8	27.4	5.8	394.6	278.6	239.3	73.9	131.3	55.2	80.5	17.0	1471.8
1952	2.5	24.0	91.0	26.4	159.3	153.7	81.8	80.1	66.1	26.1	42.3	0.0	753.3
1953	36.8	18.5	27.7	50.0	263.5	141.3	277.6	220.5	160.8	50.2	24.5	37.2	1308.6
1954	6.5	29.6	1.4	99.5	118.0	246.1	364.3	213.6	63.6	60.2	39.0	44.9	1286.7
1955	36.7	71.4	29.4	106.4	86.8	175.1	62.0	135.7	36.2	22.3	37.7	166.5	966.2

MIN	0.0	0.0	1.4	5.8	45.0	70.8	44.8	54.0	10.0	17.4	0.3	0.0	753.3
MAX	120.2	125.0	164.2	285.1	527.1	440.9	423.5	338.1	282.1	223.0	184.2	167.8	1980.0
PROM	34.2	39.7	66.6	109.8	217.7	207.0	193.7	158.4	98.5	69.4	72.6	58.1	1332.3
DESV	33.2	34.3	39.9	74.5	114.4	84.3	96.4	67.4	55.9	42.0	47.3	46.3	247.5
CV	1.0	0.9	0.6	0.7	0.5	0.4	0.5	0.4	0.6	0.6	0.7	0.8	0.2

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PRECIPITACIONES (MM)

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 ZONA 7 HOYA 216 IMPERIAL SUP 12464 (KM2)  
 EST 27 FUNDO TRIANGON  
 LAT 3845 LON 7238  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1943	0.0	22.0	88.0	24.0	151.0	78.0	114.0	54.0	-1.0	41.0	-1.0	0.0	-1.0
1944	36.0	5.0	22.0	52.0	127.0	396.0	137.0	320.0	67.0	116.5	65.5	0.0	1344.0
1945	0.0	80.5	102.0	103.0	241.0	159.0	287.0	180.0	95.0	76.0	111.0	26.0	1460.5
1946	49.0	64.0	45.0	29.0	194.0	119.0	228.0	99.0	121.0	41.0	113.5	58.0	1160.5
1947	113.0	27.0	64.0	48.0	233.0	285.0	84.0	85.0	146.0	72.0	50.0	35.0	1242.0
1948	81.0	8.0	25.5	84.0	161.0	186.0	213.0	72.0	227.0	57.0	11.0	93.0	1158.5
1949	0.0	95.0	160.0	38.0	306.0	334.0	45.0	52.0	20.0	27.0	59.0	99.0	1235.0
1950	0.0	21.0	75.0	139.0	205.0	240.0	90.0	243.0	92.0	49.0	79.0	46.0	1279.0
MIN	0.0	5.0	22.0	24.0	127.0	78.0	45.0	52.0	20.0	27.0	11.0	0.0	1158.5
MAX	113.0	95.0	160.0	139.0	306.0	396.0	287.0	320.0	227.0	116.5	113.5	99.0	1460.5
PROM	34.9	40.3	72.7	64.6	202.3	224.6	149.8	138.1	109.7	59.9	69.9	37.1	1268.5
DESV	43.6	34.5	45.3	40.4	57.7	109.3	83.8	99.3	65.3	28.1	35.8	32.2	106.7
CV	1.2	0.9	0.6	0.6	0.3	0.5	0.6	0.7	0.6	0.5	0.5	0.9	0.1

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
ZONA 7 HOYA 216 IMPERIAL SUP 12464 (KM2)  
EST 28 NUEVA IMPERIAL  
LAT 3845 LON 7156 ALT 26 (MTS)  
\*\*\*\*\*  
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT  
\*\*\*\*\*  
1968 2.6 26.0 50.0 21.0 55.0 72.0 38.0 -1.0 123.0 45.0 26.0 104.0 -1.0  
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PRECIPITACIONES (MM)

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 ZONA 7 HOYA 21-6 IMPERIAL SUP 12464 (KM2)  
 EST 29 TEMUCO INST SN JOSE  
 LAT 3846 LON 7235 ALT 114 (MTS)  
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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	94.0	72.0	96.0	69.0	63.0	-1.0
1941	0.0	-1.0	-1.0	177.0	142.0	-1.0	-1.0	207.0	-1.0	60.0	148.0	56.0	-1.0
1942	0.0	16.0	48.0	89.0	99.0	116.0	184.0	151.0	89.0	42.0	25.0	3.0	862.0
1943	0.0	10.0	111.0	16.0	92.0	90.0	112.0	88.0	151.0	61.0	58.0	1.0	790.0
1944	36.0	6.0	21.0	48.0	183.2	369.0	116.8	281.5	68.3	115.7	56.2	0.5	1302.0
1945	0.5	88.6	119.6	85.2	255.3	146.4	245.0	135.7	88.8	79.7	102.5	25.8	1373.1
1946	49.9	60.0	36.0	21.2	215.0	113.0	207.0	114.0	89.2	50.0	84.0	39.0	1078.3
1947	92.6	20.0	74.0	53.5	223.0	292.0	85.0	86.0	130.0	71.0	33.0	28.0	1188.1
1948	65.2	7.0	24.0	79.0	141.0	177.2	170.0	71.0	208.0	42.0	6.0	31.0	1021.4
1949	0.0	59.0	126.0	48.5	335.0	268.0	69.5	36.0	11.0	22.8	55.0	82.0	1112.8
1950	1.0	16.0	56.0	126.0	200.0	226.2	96.5	154.0	72.0	48.0	65.0	46.0	1106.7
1951	68.0	49.0	26.0	6.0	239.0	175.0	146.0	54.0	60.0	27.5	60.5	17.0	928.0
1952	2.5	24.0	91.5	27.5	117.0	152.0	70.5	110.5	65.0	62.0	22.0	1.0	745.5
1953	116.5	14.0	34.5	33.0	190.0	162.0	248.0	188.5	145.0	50.2	17.5	26.0	1225.2
1954	6.5	53.0	4.0	131.5	157.0	176.5	272.0	194.5	72.5	62.0	29.5	84.0	1243.0
1955	30.0	60.0	24.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	6.0	4.0	6.0	92.0	90.0	69.5	36.0	11.0	22.8	6.0	0.5	745.5
MAX	116.5	88.6	126.0	177.0	335.0	369.0	272.0	281.5	208.0	115.7	148.0	84.0	1373.1
PROM	31.2	34.5	56.9	67.2	184.9	189.5	155.6	131.0	94.4	59.3	55.4	33.6	1075.1
DESV	38.8	26.3	40.5	50.2	66.9	79.6	70.9	66.1	49.0	24.4	36.8	28.1	197.1
CV	1.2	0.8	0.7	0.7	0.4	0.4	0.5	0.5	0.5	0.4	0.7	0.8	0.2

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 7

HOYA 216 IMPERIAL

SUP 12464 (KM2)

EST 30 PADRE LAS CASAS

LAT 3846 LON 7235 ALT 111 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1913	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	110.6	41.3	0.0	6.2	265.0
1914	77.5	0.0	24.4	42.3	83.0	300.4	204.5	109.9	164.8	75.0	193.5	68.5	1343.8
1915	12.6	29.3	34.9	212.2	391.9	132.7	238.4	150.6	86.5	62.3	44.7	14.5	1410.6
1916	51.9	0.0	105.2	88.7	195.2	82.9	153.5	196.3	187.2	44.5	157.0	115.8	1378.2
1917	12.0	94.7	39.7	29.5	64.4	168.0	84.6	90.3	124.5	51.4	32.7	62.0	853.8
1918	44.2	2.3	93.2	247.3	207.2	173.3	178.2	146.5	95.1	66.2	123.5	9.0	1386.0
1919	21.5	32.8	40.4	152.7	313.0	140.6	229.3	107.3	121.4	47.5	130.8	42.5	1379.8
1920	0.8	6.8	100.8	94.4	461.3	125.1	72.9	181.5	98.4	64.3	105.6	49.7	1361.6
1921	47.2	46.1	29.4	148.0	322.7	166.3	82.5	171.0	52.3	44.6	10.1	163.4	1283.6
1922	30.2	12.7	71.8	29.5	118.9	209.2	384.2	157.2	52.4	68.6	28.8	6.8	1170.3
1923	26.3	45.3	129.5	21.7	68.3	130.4	74.4	163.6	47.3	88.2	78.4	42.4	915.8
1924	3.3	53.7	75.5	84.0	101.2	170.7	132.7	59.8	54.6	46.5	19.4	20.2	821.6
1925	23.1	77.8	42.0	152.9	44.1	149.3	76.3	144.9	109.0	55.8	102.8	57.3	1035.3
1926	38.4	25.6	141.6	92.3	121.5	232.0	128.4	190.9	91.5	66.4	59.7	71.5	1259.8
1927	26.5	35.5	63.8	87.1	229.0	123.9	216.0	222.8	273.9	80.2	52.7	22.9	1434.3
1928	34.8	45.5	73.1	141.4	155.3	200.6	207.7	49.8	45.8	33.7	79.3	52.6	1119.6
1929	37.0	12.0	24.0	63.0	82.0	178.0	86.0	197.0	109.0	53.0	38.0	118.0	995.0
1930	1.0	32.0	42.0	120.0	93.0	269.0	244.0	147.0	56.0	141.0	91.0	139.0	1375.0
1931	48.0	0.0	38.0	144.0	72.0	205.0	179.0	194.0	54.0	97.0	51.0	22.0	1104.0
1932	20.0	34.0	61.0	189.0	29.0	237.0	286.0	115.0	86.0	124.0	28.0	67.0	1276.0
1933	51.0	19.0	52.0	74.0	134.0	196.0	129.0	125.0	79.0	90.0	82.0	85.0	1116.0
1934	27.0	52.0	80.0	17.0	144.0	339.0	184.0	72.0	80.0	68.0	18.0	45.0	1126.0
1935	63.0	110.0	34.0	58.0	226.0	259.0	102.0	116.0	124.0	50.0	136.0	72.0	1350.0
1936	76.0	24.0	73.0	181.0	216.0	157.0	195.0	173.0	104.0	43.0	32.0	152.0	1426.0
1937	7.0	121.0	41.0	39.0	207.0	231.0	196.0	227.0	50.0	17.0	59.0	31.0	1226.0
1938	33.0	8.0	120.0	67.0	133.0	154.0	306.0	113.0	63.0	98.0	59.0	44.0	1198.0
1939	89.0	110.0	8.0	23.0	299.0	218.0	54.0	155.0	70.0	181.0	31.0	12.0	1250.0
1940	36.0	81.0	72.0	173.0	320.0	257.0	266.0	37.0	108.0	89.0	33.0	82.0	1554.0
1941	1.0	91.0	19.0	174.0	149.0	110.0	208.0	185.0	77.0	66.0	168.0	62.0	1310.0
1942	6.0	35.0	77.0	75.0	150.0	90.0	166.0	125.0	98.0	42.0	29.0	9.0	902.0
1943	0.3	8.0	88.0	18.0	146.0	87.0	99.0	74.0	119.0	45.0	48.0	0.0	732.3
1944	30.0	8.0	17.0	43.0	153.0	336.9	110.8	268.6	61.9	92.0	54.1	2.3	1177.6
1945	0.0	69.0	114.7	93.3	229.0	136.3	233.6	141.3	76.5	66.1	116.5	38.2	1314.5
1946	49.1	78.0	54.0	22.4	170.5	106.3	242.1	111.5	93.3	45.5	129.0	49.2	1150.9
1947	98.5	28.2	77.5	54.7	216.5	259.9	94.4	106.7	130.6	75.3	48.2	40.1	1230.6
1948	65.2	9.0	27.1	89.2	137.4	195.1	172.6	83.3	223.1	46.0	14.1	34.1	1096.2
1949	0.8	95.0	131.1	55.6	354.5	276.6	54.8	38.3	15.9	24.9	65.0	87.1	1199.6
1950	109.1	57.9	39.6	12.2	384.8	275.0	210.7	88.9	128.0	44.4	96.7	35.2	1482.5
1951	1.5	19.4	62.3	131.8	217.0	248.6	99.3	180.0	86.7	57.5	76.1	66.0	1246.2
1952	4.7	38.2	132.4	33.4	164.3	153.6	106.6	123.4	56.5	48.2	35.7	1.6	898.6
1953	130.8	12.5	38.7	35.1	256.0	152.5	281.9	225.3	198.7	59.3	19.5	32.5	1442.8
1954	16.3	53.8	4.4	141.6	207.0	213.6	298.1	208.8	83.5	69.2	24.5	84.8	1405.6
1955	33.4	64.9	26.7	96.7	78.9	159.2	56.4	123.4	32.9	24.3	34.3	151.4	882.5
1956	131.9	5.2	143.3	115.0	163.4	91.8	173.4	61.3	80.0	93.4	38.6	7.8	1105.1
1957	24.6	0.4	8.1	32.3	155.1	148.5	179.4	268.0	47.2	93.6	72.6	84.1	1113.9
1958	28.7	21.7	6.8	114.7	260.5	249.2	129.8	186.0	146.2	6.4	116.1	1.8	1267.9
1959	107.1	5.0	59.7	220.2	208.6	112.2	186.6	153.4	180.1	175.2	20.3	7.3	1435.7
1960	84.8	2.7	63.9	57.7	159.5	259.0	187.0	120.6	58.9	136.2	46.0	33.3	1209.6
1961	124.4	12.3	78.1	63.5	200.5	218.7	296.5	145.5	194.7	65.4	30.5	12.2	1442.3
1962	46.1	0.0	68.3	87.8	70.9	175.5	37.0	188.9	70.1	23.0	74.9	11.7	854.2

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	12.8	39.6	71.2	71.6	119.2	166.3	147.1	282.7	130.6	183.2	92.2	28.6	1345.1
1964	72.0	53.0	44.0	34.0	213.0	174.0	89.0	167.0	47.0	80.0	66.0	151.0	1190.0
1965	65.0	98.0	12.0	146.0	146.0	196.0	212.0	285.0	73.0	185.0	170.0	83.0	1571.0
1966	4.1	15.0	81.0	160.0	108.0	257.0	215.0	123.0	68.0	116.0	50.0	140.0	1337.1
1967	88.0	54.0	22.0	38.0	282.0	126.0	275.0	201.1	135.0	107.0	44.1	29.0	1401.8
1968	6.1	73.0	58.0	88.0	92.0	107.0	82.0	124.0	173.0	88.0	41.0	173.0	1104.0
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.9	6.4	0.0	0.0	265.0
MAX	131.9	121.0	143.3	247.3	461.3	339.0	384.2	285.0	273.9	185.0	193.5	173.0	1571.0
PROM	40.7	38.7	59.6	90.7	179.0	183.7	166.7	146.5	99.7	74.0	66.0	55.9	1196.4
DESV	36.7	33.5	37.3	59.6	96.4	68.1	81.4	62.5	51.4	41.1	44.9	47.1	255.1
CV	0.9	0.9	0.6	0.7	0.5	0.4	0.5	0.4	0.5	0.6	0.7	0.8	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 7

HOYA 216 IMPERIAL  
EST 31 TEMUCO ENDESA  
LAT 3846 LON 7236 ALT 114 (MTS)

SUP 12464 (KM2)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1961	-1.0	10.9	50.7	59.7	196.0	169.0	230.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1962	-1.0	-1.0	-1.0	-1.0	48.4	211.3	18.0	184.6	45.9	17.8	69.9	-1.0	-1.0
1963	23.9	36.0	65.9	78.5	113.0	191.0	199.7	230.1	128.6	159.1	100.6	32.4	1358.8
1964	54.3	39.0	36.5	29.4	203.2	190.6	89.8	149.3	49.0	66.3	61.0	137.5	1105.9
1965	43.3	96.0	14.5	121.0	142.0	189.0	207.0	273.5	68.5	71.0	156.5	63.0	1445.3
1966	1.5	7.0	71.5	121.5	125.5	0.0	184.5	136.0	57.5	99.0	30.0	129.5	963.5
1967	70.0	56.0	21.0	32.0	261.8	163.5	240.8	206.8	102.3	85.5	45.1	32.7	1317.5
1968	3.5	71.5	48.4	65.7	99.7	107.8	90.5	99.6	138.0	75.6	40.2	153.3	993.8
MIN	1.5	7.0	14.5	29.4	48.4	0.0	18.0	99.6	45.9	17.8	30.0	32.4	963.5
MAX	70.0	96.0	71.5	121.5	261.8	211.3	240.8	273.5	138.0	159.1	156.5	153.3	1445.3
PROM	32.7	45.2	44.1	72.5	148.7	152.8	157.5	182.8	84.3	82.0	71.9	91.4	1197.5
DESV	27.8	32.0	21.4	37.6	67.9	69.0	80.8	59.6	38.4	42.4	43.9	55.0	203.2
CV	0.8	0.7	0.5	0.5	0.5	0.5	0.5	0.3	0.5	0.5	0.6	0.6	0.2

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

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 ZONA 7 HOYA 216 IMPERIAL SUP 12464 (KM2)  
 EST 32 PUEBLO NUEVO RIEGO  
 LAT 3846 LON 7236 ALT 113 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1953	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	237.0	257.0	175.5	53.0	16.0	25.0	-1.0
1954	10.0	64.0	6.0	146.0	229.0	179.0	331.5	218.0	73.5	53.0	22.0	67.0	1399.0
1955	22.5	60.0	20.5	97.5	0.0	155.5	46.5	98.5	48.0	14.0	25.0	127.0	715.0
1956	127.0	3.0	102.0	83.0	136.0	73.0	257.0	64.0	77.0	52.0	32.0	-1.0	-1.0
1957	18.0	-1.0	4.0	31.0	172.0	117.0	158.0	205.0	40.0	79.0	16.0	-1.0	-1.0
1958	24.0	21.0	8.0	80.0	184.0	147.0	101.0	135.0	92.0	34.0	64.0	6.0	896.0
1959	59.0	10.0	44.5	156.0	130.0	66.0	124.0	90.0	96.0	97.0	11.0	-1.0	-1.0
1960	62.0	3.0	64.0	53.0	119.0	241.0	225.0	123.0	81.0	-1.0	-1.0	-1.0	-1.0
1961	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	304.0	188.0	226.0	33.0	27.0	14.5	-1.0
1962	41.0	-1.0	48.5	88.0	60.5	161.5	35.0	204.5	50.0	14.5	69.5	11.0	-1.0
1963	14.5	33.5	63.5	74.0	118.0	156.5	165.0	213.0	100.5	152.0	117.0	30.5	1238.0
1964	51.0	43.5	36.0	23.0	191.0	162.0	109.0	149.0	62.0	54.5	67.0	145.5	1093.5
1965	39.5	102.5	17.5	117.0	145.5	187.0	211.5	270.5	75.0	36.5	163.0	69.5	1435.0
1966	2.5	21.5	74.5	129.0	134.5	284.0	188.5	131.0	-1.0	14.0	32.0	96.0	-1.0
1967	71.5	38.0	-1.0	32.5	228.0	121.0	238.5	134.0	73.5	83.5	21.0	35.5	-1.0
1968	3.5	60.5	53.0	95.5	57.5	103.5	70.0	94.0	135.0	68.5	44.0	157.0	942.0
MIN	2.5	3.0	4.0	23.0	0.0	66.0	35.0	64.0	40.0	14.0	11.0	6.0	715.0
MAX	127.0	102.5	102.0	156.0	229.0	284.0	331.5	270.5	226.0	152.0	163.0	157.0	1435.0
PROM	39.0	38.4	41.7	86.1	136.1	153.9	175.1	160.9	93.7	55.9	48.4	65.4	1102.6
DESV	33.8	29.7	30.0	41.8	64.9	59.3	89.3	62.4	50.3	36.9	42.6	54.3	269.4
CV	0.9	0.8	0.7	0.5	0.5	0.4	0.5	0.4	0.5	0.7	0.9	0.8	0.2

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 7 HOYA 216 IMPERIAL SUP 12464 (KM2)

EST 33 TEMUCO FACH

LAT 3846 LON 7239 ALT 114 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	17.0	42.0	72.0	102.0	133.0	166.0	148.0	225.0	93.0	179.0	71.0	28.0	1276.0
1964	57.0	48.0	34.0	28.0	182.0	163.0	81.0	134.0	41.0	65.0	52.0	121.0	1006.0
1965	38.0	95.0	5.0	139.0	155.0	177.0	171.0	263.0	47.0	84.0	154.0	68.0	1396.0
1966	3.0	14.0	88.0	186.0	99.0	241.0	181.0	108.0	59.0	138.0	54.0	177.0	1348.0
1967	53.0	57.0	23.0	30.0	222.0	104.0	257.0	152.0	91.0	78.0	51.0	28.0	1146.0
1968	5.3	66.0	38.0	112.0	76.0	51.0	53.0	134.0	192.0	76.0	39.0	134.0	976.0
MIN	3.0	14.0	5.0	28.0	76.0	51.0	53.0	108.0	41.0	65.0	39.0	28.0	976.0
MAX	57.0	95.0	88.0	186.0	222.0	241.0	257.0	263.0	192.0	179.0	154.0	177.0	1396.0
PROM	28.9	53.7	43.3	99.5	144.5	150.3	148.5	169.3	87.2	103.3	70.2	92.7	1191.3
DESV	23.8	26.9	31.0	61.9	53.7	65.3	73.5	60.7	55.8	45.1	42.3	61.0	176.8
CV	0.8	0.5	0.7	0.6	0.4	0.4	0.5	0.4	0.6	0.4	0.6	0.7	0.1

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS





PRECIPITACIONES (MM)

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 ZONA 7 HOYA 216 IMPERIAL SUP 12464 (KM2)  
 EST 36 FREIRE  
 LAT 3857 LON 7236 ALT 2 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1913	-1.0	-1.0	-1.0	-1.0	-1.0	149.1	360.2	194.7	129.8	31.5	-1.0	29.9	-1.0
1914	73.5	0.0	40.8	38.0	258.8	370.4	320.8	152.4	258.3	61.6	175.1	39.9	1789.6
1915	13.7	28.0	-1.0	302.3	564.1	250.6	304.4	205.5	95.2	85.2	69.6	19.1	-1.0
1916	-1.0	11.0	111.5	74.5	335.0	83.9	181.0	258.5	179.8	55.5	152.9	153.2	-1.0
1917	24.0	94.5	43.5	50.0	119.0	341.7	98.6	122.4	186.2	64.3	47.3	34.9	1226.4
1918	83.5	-1.0	164.8	381.9	352.5	288.4	340.7	161.0	173.5	65.6	168.4	11.5	-1.0
1919	18.5	42.7	38.9	181.8	358.6	165.1	118.9	144.3	194.2	56.6	193.5	68.8	1581.9
1920	-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
1921	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1922	57.7	23.5	121.5	52.5	184.0	372.9	542.0	290.0	107.6	95.0	21.0	13.0	1880.7
1923	43.0	50.0	133.0	40.0	78.0	242.0	118.0	311.0	99.0	158.0	138.0	64.0	1474.0
1924	2.0	64.0	90.0	149.0	171.0	198.0	189.0	55.0	86.0	42.0	20.0	37.0	1103.0
1925	19.0	84.0	35.6	215.0	72.7	252.0	189.1	234.0	294.0	67.0	151.0	72.0	1685.4
1926	63.0	23.0	257.0	134.0	176.0	391.0	175.0	278.0	172.0	104.0	134.0	97.0	2004.0
MIN	2.0	0.0	35.6	38.0	72.7	83.9	98.6	55.0	86.0	31.5	20.0	11.5	1103.0
MAX	83.5	94.5	257.0	381.9	564.1	391.0	542.0	311.0	294.0	158.0	193.5	153.2	2004.0
PROM	39.8	42.1	103.7	147.2	242.7	258.8	244.8	200.6	164.6	73.9	115.5	53.4	1593.1
DESV	28.2	31.1	70.8	115.0	149.0	98.3	131.0	76.9	65.4	33.5	63.8	41.0	313.4
CV	0.7	0.7	0.7	0.8	0.6	0.4	0.5	0.4	0.4	0.5	0.6	0.8	0.2

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 8 HOYA 217 MAULLIN SUP 4738 (KM2)  
 EST 1 PUERTO OCTAY  
 LAT 4059 LON 7252 ALT 40 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1919	-1.0	-1.0	-1.0	-1.0	363.0	142.2	202.0	120.5	228.5	42.0	153.7	126.9	-1.0
1920	46.0	0.0	188.5	179.2	385.5	121.0	68.7	109.3	142.3	100.5	116.5	54.0	1511.5
1921	147.0	115.5	70.5	274.0	240.0	231.5	99.5	261.0	21.5	56.5	9.0	174.0	1700.5
1922	44.5	40.0	113.5	25.0	-1.0	-1.0	-1.0	245.4	66.8	85.1	56.2	27.2	-1.0
1923	18.3	87.2	189.0	76.0	89.0	244.5	183.8	174.0	167.0	110.7	74.1	70.7	1484.3
1924	11.0	-1.0	131.9	119.8	153.9	254.5	176.3	78.5	121.5	43.3	31.3	68.9	-1.0
1925	63.4	97.5	53.1	193.1	91.4	239.6	129.5	179.5	313.6	55.9	139.9	96.9	1653.4
1926	129.3	34.2	247.2	124.7	141.8	342.8	307.7	183.8	137.5	97.9	35.5	138.3	1920.7
1927	68.4	53.6	74.5	153.0	237.4	175.9	227.7	194.5	318.6	77.5	46.1	135.4	1762.6
1928	67.4	115.6	117.3	251.7	106.1	243.0	367.1	88.5	12.5	65.0	122.2	137.5	1693.9
1929	94.0	172.0	113.0	138.0	216.0	241.0	156.0	248.0	128.0	86.0	73.0	135.0	1800.0
1930	39.0	22.0	39.0	138.0	175.0	360.0	220.0	153.0	79.0	146.0	120.0	179.0	1670.0
1931	90.0	11.0	95.0	133.0	116.0	233.0	204.0	181.0	54.0	111.0	28.0	40.0	1296.0
1932	19.0	67.0	84.0	379.0	78.0	304.0	278.0	203.0	167.0	114.0	42.0	67.0	1802.0
1933	101.0	86.0	139.0	214.0	124.0	238.0	120.0	267.0	53.0	84.0	-1.0	70.0	-1.0
1934	52.0	19.0	82.0	-1.0	145.0	394.0	174.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1939	-1.0	-1.0	-1.0	-1.0	-1.0	198.0	96.0	265.0	119.0	161.0	81.0	33.0	-1.0
1940	64.0	149.0	77.0	134.0	277.0	273.0	223.0	73.0	87.0	103.0	96.0	107.0	1663.0
1941	5.0	88.0	37.0	149.0	134.0	203.0	303.0	185.0	65.0	102.0	116.0	142.0	1529.0
1942	71.0	71.0	105.0	154.0	198.0	173.0	196.0	257.0	140.0	83.0	45.0	40.0	1533.0
1943	5.0	53.0	157.0	69.0	204.0	155.0	209.0	70.0	166.0	88.0	57.0	1.0	1234.0
1944	24.0	56.0	34.0	91.8	142.7	281.0	196.6	341.4	131.5	219.0	78.3	25.7	1622.0
1945	48.8	105.5	135.7	149.8	372.6	195.3	313.8	271.0	114.8	49.9	89.3	120.1	1966.6
1946	84.0	96.4	12.4	78.0	151.7	129.6	277.2	186.0	411.0	170.1	281.3	28.7	1906.4
1947	137.2	64.0	31.6	56.1	230.8	267.3	132.2	130.8	167.9	65.4	74.8	56.7	1414.8
1948	90.1	14.3	63.7	95.8	95.4	252.6	247.8	101.6	195.9	102.0	31.6	102.6	1393.4
1949	38.7	139.7	175.4	117.2	395.4	374.8	98.7	43.0	67.5	10.0	37.9	82.1	1580.4
1951	161.7	58.4	31.3	42.2	489.5	274.9	229.1	156.0	143.8	94.7	94.4	50.8	1826.8
1952	24.7	52.8	143.1	37.6	170.9	84.1	170.3	132.0	93.8	39.0	32.0	18.6	998.9
1953	149.8	91.4	124.2	40.2	498.9	236.7	279.6	312.0	313.5	51.0	42.2	78.7	2218.2
1954	30.8	62.9	44.3	162.7	159.4	186.1	307.9	175.6	126.0	120.5	75.0	98.0	1549.2
1955	69.1	94.0	47.5	243.6	61.7	290.1	192.4	204.5	101.5	19.3	17.6	246.1	1587.4
1956	94.3	88.6	109.1	87.3	158.0	112.1	173.3	162.4	112.3	96.7	20.4	15.0	1229.7
1957	71.6	35.6	83.0	25.7	247.2	112.2	270.0	173.7	73.7	67.0	61.4	67.6	1288.7
1958	57.5	32.2	49.6	142.5	227.6	223.1	261.2	137.3	166.2	12.0	125.9	18.9	1454.0
1959	101.6	26.8	145.9	194.2	176.7	110.1	176.9	117.8	126.4	116.4	32.2	21.5	1346.5
1960	133.2	33.5	104.0	118.5	125.9	214.5	178.9	108.9	103.7	96.0	52.7	88.4	1358.2
1961	149.7	46.1	57.8	93.1	262.0	336.9	229.2	185.8	187.3	43.0	30.5	12.9	1634.3
1962	41.1	7.4	54.9	74.2	68.1	178.7	81.8	291.1	103.7	49.8	113.4	87.1	1151.5
1963	49.7	25.8	77.9	235.9	159.6	269.5	274.2	187.6	144.2	105.6	127.9	112.0	1769.9
1964	-1.0	72.2	61.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1968	37.6	107.3	-1.0	64.8	82.9	111.2	149.7	146.4	31.6	79.8	59.7	109.8	-1.0
MIN	5.0	0.0	12.4	25.0	61.7	84.1	68.7	43.0	12.5	10.0	9.0	1.0	998.9
MAX	161.7	172.0	247.2	379.0	498.9	394.0	367.1	341.4	411.0	219.0	281.3	246.1	2218.2
PROM	70.0	66.5	94.9	133.0	198.8	225.2	204.6	177.5	137.6	85.5	74.9	82.1	1575.0
DESV	43.7	40.9	52.4	76.5	111.4	77.6	71.5	70.8	84.0	42.5	51.1	53.8	257.6
CV	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.4	0.6	0.5	0.7	0.7	0.2

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 8 HOYA 217 MAULLIN SUP 4738 (KM2)  
 EST 2 S E FRUTILLAR  
 LAT 4108 LON 7300 ALT 149 (MTS)  
 \*\*\*\*\*  
 ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT  
 \*\*\*\*\*  
 1966 -1.0 -1.0 -1.0 179.4 241.2 399.4 232.1 114.3 102.2 66.9 28.0 185.0 -1.0  
 1967 -1.0 -1.0 90.0 86.5 297.5 116.8 208.6 274.3 90.5 123.1 115.5 66.7 -1.0  
 1968 31.5 128.1 41.4 39.3 49.0 74.0 195.1 204.7 100.3 97.5 74.1 166.1 1251.1  
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PRECIPITACIONES (MM)

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ZONA 8 HOYA 217 MAULLIN SUP 4738 (KM2)

EST 3 BAHIA DEL VOLCAN

LAT 4111 LON 7231 ALT 60 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1912	-1.0	-1.0	-1.0	-1.0	-1.0	220.1	182.7	237.4	72.3	138.6	133.0	72.5	-1.0
1913	4.0	62.4	90.1	329.7	314.7	216.9	381.9	202.5	138.6	91.1	14.9	91.5	1938.3
1914	101.0	37.3	57.5	-1.0	315.6	449.2	277.3	198.4	319.6	58.1	237.3	79.2	-1.0
1915	48.5	120.1	76.1	346.3	471.5	314.2	354.9	315.2	144.0	120.5	147.8	136.0	2595.1
1916	127.6	29.6	120.4	116.6	256.0	188.5	219.3	255.4	236.0	57.1	144.0	164.4	1914.9
1917	116.0	99.7	109.8	91.5	149.0	262.0	170.8	266.5	195.4	105.7	78.4	117.1	1761.9
1918	138.1	54.9	219.8	302.1	478.5	241.2	234.5	149.2	183.5	104.1	202.7	42.5	2351.1
1919	137.3	128.4	134.0	174.7	505.1	191.3	226.7	197.7	140.1	-1.0	-1.0	-1.0	-1.0
MIN	4.0	29.6	57.5	91.5	149.0	188.5	170.8	149.2	72.3	57.1	14.9	42.5	1761.9
MAX	138.1	128.4	219.8	346.3	505.1	449.2	381.9	315.2	319.6	138.6	237.3	164.4	2595.1
PROM	96.1	76.1	115.4	226.8	355.8	260.4	256.0	227.8	178.7	96.5	136.9	100.5	2112.3
DESV	51.0	39.9	53.0	112.9	133.4	86.5	76.9	51.5	74.7	30.4	74.1	41.4	347.2
CV	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.2	0.4	0.3	0.5	0.4	0.2

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

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ZONA 8 HOYA 217 MAULLIN SUP 4738 (KM2)  
 EST 4 LLANQUIHUE  
 LAT 4114 LON 7258 ALT 54 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1950	-1.0	-1.0	-1.0	125.8	255.6	316.4	139.6	205.6	98.2	71.1	73.3	85.4	-1.0
1959	100.1	34.2	124.2	207.7	157.5	109.8	146.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1960	105.3	35.4	73.3	140.0	81.7	113.4	120.8	55.5	44.4	51.6	29.0	40.1	890.5
1961	56.2	-1.0	21.8	55.2	75.4	70.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1962	12.5	1.9	21.5	45.2	67.3	125.8	83.9	252.2	88.1	51.7	-1.0	-1.0	-1.0
1963	73.2	78.8	68.9	184.2	143.8	184.0	232.5	173.8	116.9	126.5	114.4	35.7	1597.6
1964	60.5	70.8	62.1	121.2	252.7	166.0	158.0	207.7	131.9	53.3	80.7	119.0	1483.9
1965	88.7	147.4	82.5	157.0	138.0	266.0	216.0	228.0	77.9	119.5	78.5	106.0	1705.5
1966	47.0	45.0	91.0	169.5	202.0	311.5	189.5	124.1	100.0	90.9	50.5	180.0	1601.0
1967	103.0	90.0	99.0	62.5	266.5	109.5	195.0	269.0	105.5	128.5	93.5	89.0	1611.0
1968	53.0	92.5	67.0	118.5	144.4	108.7	172.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	12.5	1.9	21.5	45.2	67.3	70.3	83.9	55.5	44.4	51.6	29.0	39.7	890.5
MAX	105.3	147.4	124.2	207.7	266.5	316.4	232.5	269.0	131.9	128.5	114.4	180.0	1705.5
PROM	69.9	66.2	71.1	126.1	162.3	171.0	165.4	189.5	95.4	86.6	74.3	94.2	1587.8
DESV	29.8	42.7	31.8	53.6	73.3	87.8	45.1	70.5	26.4	34.3	27.9	48.5	83.5
CV	0.4	0.6	0.4	0.4	0.5	0.5	0.3	0.4	0.3	0.4	0.4	0.5	0.1

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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 ZCAA 8 HCYA 217 PALLIN SLP 4738 (KM2)  
 EST 5 EL MIRADOR FCC. PROP OMC TIPC TP  
 LAT 4120 LON 7257  
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	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	77.0	53.0	122.0	230.0	190.0	250.0	307.0	168.0	140.0	131.0	138.0	96.0	1502.0
1964	102.0	101.0	88.0	117.0	321.0	196.0	168.0	251.0	131.0	94.0	81.0	169.0	1819.0
1965	104.0	184.0	71.0	-1.0	135.0	270.0	250.0	225.0	91.0	133.0	51.0	100.0	-1.0
1966	51.0	49.0	128.0	200.0	232.0	213.0	232.0	116.0	120.0	107.0	58.0	181.0	1787.0
1967	131.0	97.0	126.0	73.0	261.0	126.0	212.0	304.0	134.0	141.0	103.0	85.0	1793.0
1968	43.5	146.3	84.2	119.0	-1.0	-1.0	-1.0	188.7	113.1	-1.0	-1.0	220.6	-1.0
MIN	43.5	49.0	71.0	73.0	135.0	126.0	168.0	116.0	91.0	94.0	58.0	85.0	1787.0
MAX	131.0	184.0	128.0	230.0	321.0	213.0	307.0	304.0	140.0	141.0	138.0	220.6	1902.0
PRCM	84.8	105.0	103.2	147.8	227.8	231.0	233.8	210.4	121.5	121.2	94.2	141.9	1825.3
DESV	32.8	52.7	25.0	64.9	70.4	72.2	51.1	66.6	17.8	19.8	29.5	55.8	53.0
CV	0.4	0.5	0.2	0.4	0.3	0.3	0.2	0.3	0.1	0.2	0.3	0.4	0.0

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255.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

*****																
ZONA	8		HOYA	217	MAULLIN									SUP	4738	(KM2)
*****																
*****																
*****																
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT			
*****																
1912	54.7	154.5	59.0	226.9	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
1917	-1.0	-1.0	-1.0	-1.0	92.1	221.2	211.8	178.0	152.1	-1.0	-1.0	92.8	-1.0			
1918	85.4	64.0	206.4	120.7	345.1	238.5	-1.0	-1.0	-1.0	0.0	159.7	-1.0	-1.0			
1919	-1.0	141.8	123.0	196.0	351.0	111.0	272.0	189.0	101.0	74.0	146.5	94.0	0.0			
1920	57.0	37.7	237.5	201.3	407.9	-1.0	155.8	163.4	155.9	-1.0	104.9	151.0	-1.0			
1928	93.5	103.5	119.5	343.0	83.0	302.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0			
1937	7.0	187.0	170.0	111.0	229.0	243.0	221.0	155.0	67.0	88.0	160.0	48.0	1686.0			
1938	83.0	29.0	91.0	103.0	225.0	273.0	227.0	116.0	162.0	158.0	170.0	58.0	1695.0			
1939	132.0	134.0	72.0	108.0	378.0	275.0	113.0	212.0	139.0	199.0	86.0	49.0	1897.0			
1940	107.0	199.0	115.0	213.0	313.0	320.0	242.0	99.0	143.0	129.0	133.0	117.0	2130.0			
1941	3.0	69.0	77.0	216.0	246.0	252.0	298.0	289.0	120.0	97.0	143.0	159.0	1969.0			
1942	77.0	58.0	194.0	145.0	193.0	213.0	180.0	105.0	155.0	76.0	62.0	73.0	1531.0			
1943	31.0	55.0	174.0	83.0	258.0	155.0	187.0	64.0	180.0	104.0	58.0	8.0	1357.0			
1944	35.0	16.0	79.0	112.0	160.1	308.6	157.3	343.0	140.6	233.3	66.3	29.5	1680.7			
1945	32.5	93.8	176.9	134.9	396.8	239.0	314.6	271.0	112.8	71.5	128.6	157.1	2129.5			
1946	78.1	124.5	68.1	110.2	209.3	132.7	226.6	104.4	259.1	191.3	182.2	49.9	1736.4			
1947	137.2	70.3	88.3	71.6	256.6	321.4	102.7	162.9	127.6	80.3	77.9	103.4	1600.2			
1948	111.1	36.7	91.5	134.3	123.4	311.7	205.6	83.6	196.7	113.3	44.4	107.2	1559.5			
1949	56.2	159.2	191.4	188.1	442.8	393.2	111.6	111.8	97.0	20.7	37.9	82.1	1892.0			
1950	29.7	87.2	182.7	167.8	315.1	369.3	191.9	270.7	128.8	80.4	139.7	91.1	2054.4			
1951	140.7	69.3	81.0	90.9	437.7	208.9	220.3	123.7	169.9	149.7	131.8	49.8	1873.7			
1952	15.7	76.8	229.9	73.8	245.0	83.6	196.5	137.7	101.3	50.1	73.0	43.2	1326.6			
1953	169.0	60.4	136.0	67.2	446.7	235.3	292.4	264.1	292.8	90.2	50.5	103.4	2208.0			
1954	61.6	70.4	44.3	160.8	194.5	130.5	251.0	178.0	207.7	112.0	53.5	135.7	1600.0			
1955	102.6	107.1	67.4	275.1	84.1	208.4	223.2	150.8	85.4	31.4	40.9	210.1	1586.5			
1956	123.8	105.8	127.3	144.2	192.3	162.8	247.7	193.8	139.3	69.8	46.7	14.0	1567.5			
1957	75.7	19.2	139.4	39.2	265.5	133.9	313.9	237.4	151.2	104.5	100.6	94.4	1674.9			
1958	53.5	99.2	36.9	172.5	235.3	269.4	284.3	156.3	158.5	42.2	210.9	63.4	1722.4			
1959	122.0	50.5	224.8	239.2	216.3	155.9	198.9	251.4	113.0	139.7	45.4	39.7	1796.8			
1960	143.4	61.3	100.1	220.3	144.9	245.7	262.9	166.5	124.9	138.5	62.3	107.7	1778.5			
1961	189.5	79.1	55.2	145.4	272.3	362.7	280.8	222.7	221.5	68.0	71.5	33.3	2002.0			
1962	68.0	15.3	89.4	135.5	97.4	175.1	130.1	372.6	122.3	70.5	109.0	191.6	1576.8			
1963	64.4	57.6	122.7	235.9	192.3	273.9	303.8	184.1	138.6	167.7	145.9	85.4	1972.3			
1964	99.0	98.0	87.0	136.0	301.0	191.0	170.0	162.0	129.0	-1.0	82.0	144.0	-1.0			
1965	85.0	184.0	79.0	188.0	151.0	292.0	249.0	231.0	-1.0	131.0	91.0	103.0	-1.0			
1966	50.0	44.0	123.0	188.0	250.0	282.0	222.0	115.0	114.0	105.0	52.0	175.0	1720.0			
1967	115.0	93.0	108.0	65.0	298.0	132.0	206.0	298.0	129.0	116.0	97.0	69.0	1726.0			
1968	21.8	109.8	59.1	111.3	-1.0	112.4	195.2	187.0	111.3	115.7	-1.0	-1.0	-1.0			
MIN	3.0	15.3	36.9	39.2	83.0	83.6	102.7	64.0	67.0	0.0	37.9	8.0	0.0			
MAX	189.5	199.0	237.5	343.0	446.7	393.2	314.6	372.6	292.8	233.3	210.9	210.1	2208.0			
PROM	80.9	85.4	119.6	153.4	251.4	231.5	219.0	187.1	145.5	103.6	98.9	92.1	1701.7			
DESV	45.8	48.5	55.8	65.6	103.2	79.7	57.6	74.2	46.9	51.3	47.2	50.8	388.5			
CV	0.6	0.6	0.5	0.4	0.4	0.3	0.3	0.4	0.3	0.5	0.5	0.6	0.2			
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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 8 HOYA 217 MAULLIN SUP 4738 (KM2)  
 EST 7 COLEGIO GERMANIA PTO  
 LAT 4120 LON 7307

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1940	-1.0	-1.0	112.0	205.0	281.0	301.0	225.0	93.0	139.0	130.0	105.0	104.0	-1.0
1941	2.0	64.0	68.0	203.0	236.0	247.0	280.0	301.0	115.0	94.0	144.0	153.0	1907.0
1942	79.0	54.0	195.0	128.0	189.0	281.0	152.0	-1.0	129.0	58.0	51.0	69.0	-1.0
1943	27.0	38.0	144.0	66.0	199.0	124.0	172.0	43.0	107.0	69.0	41.0	6.0	1036.0
1944	30.0	78.0	76.0	89.0	128.1	246.5	140.1	287.4	112.6	196.4	61.0	25.3	1470.4
1945	36.7	81.8	147.9	105.2	340.7	198.4	280.3	213.4	96.0	51.1	105.1	135.3	1791.9
1946	61.9	108.1	60.4	88.4	161.7	104.2	142.6	97.1	219.7	164.6	158.8	42.3	1409.0
1947	132.0	60.9	78.6	57.2	232.3	260.0	93.9	138.8	717.4	63.7	71.6	97.9	1404.3
1948	104.5	18.1	81.8	111.2	82.2	269.4	174.4	65.3	179.8	103.5	43.3	106.5	1340.0
1949	51.5	161.9	163.3	157.2	334.2	304.7	93.3	92.7	91.2	24.3	45.8	69.7	1589.8
1950	28.6	87.1	194.2	163.7	324.2	377.3	210.7	273.0	136.5	82.5	135.4	96.0	2109.2
1951	138.7	70.2	84.7	70.0	436.3	208.4	231.3	117.3	172.8	144.5	132.0	48.6	1854.8
1952	14.1	80.9	262.2	76.3	233.1	80.6	196.2	137.5	96.7	51.0	80.9	45.5	1355.0
1953	160.7	61.4	132.5	66.6	414.8	217.9	278.3	256.0	292.9	84.5	69.2	96.5	2131.3
1954	53.5	61.2	39.3	144.9	190.8	130.1	253.2	178.3	207.5	117.0	56.5	129.8	1562.1
1955	102.0	113.1	79.5	290.8	108.1	222.5	202.0	137.0	85.0	29.5	43.0	215.5	1628.0
1956	124.0	105.9	121.1	120.5	177.5	154.7	246.4	175.7	154.3	73.0	46.5	12.7	1512.3
1957	76.5	20.5	149.5	39.6	296.0	119.0	301.0	263.3	174.0	124.0	113.0	96.6	1763.0
MIN	2.0	18.1	39.3	39.6	82.2	80.6	93.3	43.0	85.0	24.3	41.0	6.0	1036.0
MAX	160.7	161.9	262.2	290.8	436.3	377.3	301.0	301.0	717.4	196.4	158.8	215.5	2131.3
PROM	71.9	74.4	121.7	121.3	242.5	213.7	204.0	168.8	179.2	92.3	83.5	86.1	1616.5
DESV	47.9	35.4	57.6	64.2	100.5	81.2	63.7	82.8	144.7	46.6	39.6	53.0	295.2
CV	0.7	0.5	0.5	0.5	0.4	0.4	0.3	0.5	0.8	0.5	0.5	0.6	0.2

NOTA=VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 8 HOYA 217 MAULLIN SUP 4738 (KM2)

EST 8 ABTAD O ALERCE

LAT 4123 LON 7254 ALT 5 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1917	-1.0	-1.0	-1.0	-1.0	111.5	281.1	196.6	202.7	196.3	83.0	107.3	179.0	-1.0
1918	116.3	58.7	244.2	254.1	402.0	203.2	342.1	203.7	202.8	116.0	137.6	51.6	2232.3
1919	106.5	106.0	162.0	285.6	410.5	138.0	441.0	214.1	186.5	98.5	182.2	102.5	2433.4
1920	95.0	40.0	208.0	212.0	413.0	-1.0	172.0	163.0	173.0	136.0	235.0	128.0	-1.0
1921	166.5	163.8	145.9	283.4	238.4	282.3	146.9	284.8	92.8	38.7	33.3	260.1	2136.9
1922	97.5	87.6	144.6	93.4	158.8	217.1	285.9	282.7	83.9	63.0	61.2	66.5	1641.8
1923	38.8	150.1	210.1	112.5	142.7	251.9	220.7	192.5	226.1	153.3	124.3	114.7	1937.7
1924	21.1	43.3	160.1	205.5	201.0	407.0	227.0	117.0	110.0	50.0	36.0	129.0	1707.0
MIN	21.1	40.0	144.6	93.4	111.5	138.0	146.9	117.0	83.9	38.7	33.3	51.6	1641.8
MAX	166.5	163.8	244.2	285.6	413.0	407.0	441.0	284.8	226.1	153.3	235.0	260.1	2433.4
PROM	91.7	92.8	182.1	206.6	259.7	254.4	254.0	207.6	158.9	92.3	114.6	128.9	2014.8
DESV	48.7	49.9	38.5	77.6	128.9	84.0	97.9	56.2	55.0	41.1	71.1	66.0	309.0
CV	0.5	0.5	0.2	0.4	0.5	0.3	0.4	0.3	0.3	0.4	0.6	0.5	0.2

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONCCIDOS

PRECIPITACIONES (MM)

*****													
ZONA	8		HOYA 217 MAULLIN		EST 9 MAULLIN		LAT 4137 LGN 7335		SUP 4738 (KM2)		PROP OMC TIPO PV		
*****													
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
*****													
1921	-1.0	-1.0	-1.0	356.3	310.7	295.2	121.7	324.9	106.5	76.4	16.0	292.1	-1.0
1922	93.6	73.8	169.1	114.1	155.1	171.5	330.2	237.0	105.2	59.0	71.0	75.2	1654.8
1923	59.1	117.9	282.1	113.2	139.4	280.4	190.4	218.0	201.1	133.9	118.3	88.0	1941.8
1924	16.3	132.7	141.1	167.1	130.2	412.0	154.8	128.1	75.2	38.3	44.7	108.8	1549.3
1925	81.7	108.2	53.5	179.0	109.3	206.9	196.5	268.9	335.7	98.0	131.0	108.3	1877.0
1926	167.0	103.3	281.9	117.4	164.5	266.1	198.1	192.4	152.8	90.6	216.0	170.8	2120.9
1927	117.2	147.4	107.7	221.9	223.7	150.9	212.0	228.2	320.0	38.0	98.5	118.7	1984.2
1928	128.6	118.1	143.8	252.7	87.1	376.7	351.9	124.4	67.7	65.3	166.3	227.8	2110.4
1929	96.0	177.0	142.0	198.0	152.0	268.0	212.0	241.0	149.0	100.0	107.0	243.0	2085.0
1930	44.0	37.0	73.0	100.0	244.0	461.0	138.0	170.0	190.0	171.0	164.0	247.0	2039.0
1931	81.0	90.0	63.0	178.0	127.0	210.0	294.0	177.0	58.0	141.0	58.0	84.0	1561.0
1932	61.0	71.0	100.0	324.0	130.0	423.0	313.0	211.0	211.0	118.0	105.0	48.0	2115.0
1933	130.0	119.0	178.0	131.0	144.0	264.0	135.0	290.0	137.0	114.0	128.0	200.0	1970.0
1934	115.0	50.0	152.0	76.0	140.0	316.0	232.0	191.0	169.0	117.0	25.0	101.0	1684.0
1935	62.0	78.0	96.0	90.0	290.0	438.0	115.0	244.0	130.0	126.0	158.0	173.0	2000.0
1936	54.0	50.0	139.0	204.0	338.0	191.0	306.0	181.0	190.0	44.0	67.0	182.0	1946.0
1937	14.0	153.0	212.0	121.0	249.0	247.0	232.0	146.0	54.0	70.0	131.0	52.0	1681.0
1938	64.0	27.0	113.0	97.0	244.0	293.0	274.0	169.0	159.0	184.0	195.0	40.0	1859.0
1939	119.0	126.0	60.0	72.0	406.0	273.0	179.0	327.0	134.0	163.0	65.0	68.0	1992.0
1940	118.0	133.0	127.0	239.0	277.0	341.0	299.0	108.0	113.0	143.0	98.0	100.0	2096.0
1941	4.0	86.0	87.0	237.0	233.0	288.0	285.0	269.0	102.0	83.0	136.0	114.0	1924.0
1942	66.0	73.0	221.0	148.0	206.0	195.0	235.0	173.0	132.0	92.0	85.0	79.0	1705.0
1943	20.0	82.0	158.0	75.0	223.0	159.0	207.0	67.0	203.0	130.0	48.0	23.0	1395.0
1944	65.0	106.0	70.0	130.5	181.5	351.0	207.5	288.5	159.5	270.0	94.5	46.0	1970.0
1945	12.3	72.0	146.5	238.4	452.0	270.0	342.1	316.5	89.5	120.0	132.5	101.0	2292.8
1946	75.0	167.5	45.0	139.7	189.4	167.0	307.5	139.0	279.5	158.0	252.5	33.5	1953.6
1947	124.0	79.0	121.5	84.5	237.0	282.5	119.0	210.5	172.0	93.0	99.3	79.0	1701.3
1948	117.5	24.5	103.0	146.5	157.0	401.0	234.5	165.5	275.0	122.5	37.0	88.7	1872.7
1949	52.5	119.5	138.5	201.0	455.0	393.0	128.5	133.0	98.5	23.5	32.0	62.0	1837.0
1950	15.0	92.5	-1.0	213.0	455.0	424.0	283.0	367.5	175.0	91.0	147.0	101.5	-1.0
1951	106.0	52.0	91.2	64.0	443.0	273.0	301.0	180.0	219.0	133.0	198.0	60.0	2120.2
1952	8.0	73.0	193.8	81.0	225.0	124.0	201.0	138.0	174.0	76.5	82.5	26.0	1402.8
1953	208.0	56.0	207.0	89.0	495.0	260.0	272.5	339.0	312.0	65.0	33.0	90.0	2426.5
1954	80.0	57.0	56.0	162.0	180.0	160.0	369.0	198.0	232.0	92.0	96.5	48.0	1730.5
1955	55.0	114.0	66.0	319.0	103.0	227.0	240.0	191.0	118.0	21.0	32.0	289.0	1775.0
1956	185.0	-1.0	140.0	176.0	213.0	196.0	264.0	263.0	151.0	96.0	69.5	24.0	-1.0
1957	122.0	-1.0	116.0	30.0	335.0	154.0	368.0	283.0	132.5	166.0	104.0	165.0	-1.0
1958	-1.0	-1.0	47.6	262.0	365.0	366.5	181.0	121.0	96.0	-1.0	-1.0	-1.0	-1.0
MIN	4.0	24.5	45.0	30.0	87.1	124.0	115.0	67.0	54.0	21.0	16.0	23.0	1395.0
MAX	208.0	177.0	282.1	356.3	495.0	461.0	369.0	367.5	335.7	270.0	252.5	292.1	2426.5
PROM	81.6	53.1	129.0	161.8	242.3	278.3	237.6	211.0	162.6	106.0	103.8	112.4	1890.1
DESV	50.3	38.9	61.0	78.5	113.8	92.9	73.3	72.5	71.9	50.0	57.0	74.4	235.5
CV	0.6	0.4	0.5	0.5	0.5	0.3	0.3	0.3	0.4	0.5	0.5	0.7	0.1
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259.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORRIDOS

PRECIPITACIONES (MM)

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ZONA 1

HOYA 201 LLUTA  
EST 9 PAMPA OSSA  
LAT 1819 LON 6953

SUP 3380 (KM2)

157

ALT 2503 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1968	6.5	-1.0	-1.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0

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PRECIPITACIONES (MM)

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 ZCNA 8 HOYA 217 MAULLIN SUP 4738 (KM2)  
 EST 10 S.E. PTC VARAS PRGP ENC TIPO PV  
 LAT 4119 LON 7259 ALT 74 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	48.0	54.6	98.6	135.5	101.5	188.5	179.0	143.0	55.5	106.0	76.0	35.5	1221.7
1964	103.0	102.5	65.5	124.0	316.5	174.0	179.5	254.0	113.5	64.5	81.0	131.4	1709.4
1965	91.0	181.3	70.0	185.0	150.0	283.0	264.5	247.5	57.0	145.0	110.0	119.5	1903.8
1966	47.0	54.6	134.5	173.0	272.0	291.5	228.0	135.4	118.4	100.5	61.9	191.8	1808.6
1967	120.5	91.0	127.0	71.5	292.5	132.1	245.9	316.6	151.5	145.3	107.0	89.5	1891.4
1968	26.0	131.3	67.4	129.5	164.9	121.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	26.0	54.6	65.5	71.5	101.5	121.5	179.0	135.4	55.5	64.5	61.9	35.5	1221.7
MAX	120.5	181.3	134.5	185.0	316.5	291.5	264.5	316.6	151.5	145.3	110.0	191.8	1903.8
PROM	72.6	102.5	93.8	136.4	216.2	198.4	219.4	219.3	99.2	112.3	87.2	113.5	1707.0
DESV	37.4	48.5	31.1	40.3	88.5	73.2	38.8	78.0	41.8	34.0	20.7	57.3	282.2
CV	0.5	0.5	0.3	0.3	0.4	0.4	0.2	0.4	0.4	0.3	0.2	0.5	0.2

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260.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS