

# PLUVIOMETRIA DE CHILE

ANEXO 1

HOYAS HIDROGRÁFICAS N°. 400's  
Ríos Valdivia (401), Puelo (402), Yelcho (403), Palena (404),  
Cisnes (405), Aysén (406), Baker (407), Serrano (409)

OCTUBRE 1971

EDUARDO RAMIREZ G.  
Ing° Civil U.C.

DEPARTAMENTO DE RECURSOS HIDRAULICOS  
CORFO

ESTADÍSTICAS PLUVIOMÉTRICAS

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Anexo 1.

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

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

Esta Publicación consta de un Tomo y dos Anexos.-

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

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

PRECIPITACIONES (MM)

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ZONA 8 HOYA 401 VALDIVIA SUP 11056 (KM2) 795.

EST 1 LONCOCHE AERODROMO

LAT 3923 LON 7238 ALT 112 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1961	84.0	25.0	24.0	65.0	458.0	521.0	913.0	428.0	366.0	118.0	46.0	21.0	3069.0
1962	52.0	0.0	58.0	162.0	126.0	274.0	142.0	419.0	97.0	86.0	149.0	27.0	1592.0
1963	31.0	48.0	159.0	179.0	211.0	316.0	320.0	444.0	327.0	198.0	196.0	44.0	2473.0
1964	154.0	117.0	64.0	104.0	364.0	235.0	148.0	394.0	232.0	72.0	74.0	202.0	2160.0
1965	42.0	158.0	56.0	227.0	218.0	434.0	446.0	505.0	107.0	126.0	257.0	125.0	2705.0
1966	18.0	9.6	69.0	293.0	303.0	384.0	388.0	252.0	93.0	69.0	63.0	221.0	2162.6
1967	99.0	105.0	48.0	36.0	581.0	225.0	389.0	475.0	186.0	207.0	68.0	29.0	2448.0
1968	5.4	76.0	53.0	87.0	162.0	165.0	228.0	230.0	227.0	109.0	88.0	209.0	1639.0
MIN	5.4	0.0	24.0	36.0	126.0	165.0	142.0	230.0	93.0	69.0	46.0	21.0	1592.0
MAX	154.0	158.0	159.0	293.0	581.0	521.0	913.0	505.0	366.0	207.0	257.0	221.0	3069.0
PROM	60.7	67.3	66.4	144.1	302.9	319.3	371.8	393.4	204.4	123.1	117.6	109.8	2281.1
DESV	49.1	56.3	39.8	87.3	156.7	119.5	246.5	100.2	104.3	53.2	75.5	89.9	504.4
CV	0.8	0.8	0.6	0.6	0.5	0.4	0.7	0.3	0.5	0.4	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 401 VALDIVIA SUP 11056 (KM2)  
 EST 2 LA PAZ  
 LAT 3924 LON 7243 ALT 94 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1927	0.0	0.0	0.0	107.2	180.4	208.0	397.0	236.8	405.2	132.0	116.0	64.8	1847.4
1928	45.0	21.4	85.0	275.8	163.5	133.5	449.8	120.5	90.1	11.1	84.3	200.3	1680.3
1929	66.0	36.0	16.0	82.0	175.0	247.0	187.0	169.0	-1.0	-1.0	40.0	150.0	-1.0
1930	0.0	13.0	84.0	148.0	185.0	405.0	366.0	-1.0	39.0	165.0	126.0	250.0	-1.0
1931	95.0	3.0	47.0	184.0	134.0	283.0	356.0	381.0	82.0	205.0	62.0	11.0	1843.0
1932	43.0	36.0	95.0	426.0	104.0	472.0	515.0	214.0	214.0	196.0	-1.0	-1.0	-1.0
1939	111.0	99.0	16.0	49.0	411.0	340.0	170.0	369.0	92.0	229.0	27.0	16.0	1929.0
1940	61.0	110.0	50.0	209.0	411.0	456.0	436.0	92.0	92.0	110.0	101.0	120.0	2248.0
1941	1.0	32.0	36.0	173.0	233.0	211.0	509.0	364.0	56.0	110.0	236.0	113.0	2074.0
1942	18.0	41.0	95.0	124.0	233.0	138.0	183.0	275.0	178.0	47.0	25.0	34.0	1391.0
1943	1.0	21.0	97.0	53.0	249.0	130.0	295.0	132.0	164.0	63.0	51.0	0.3	1256.3
1944	21.0	9.0	24.0	64.0	217.2	541.0	240.6	524.1	102.1	306.4	68.3	10.8	2128.5
1945	8.3	70.3	144.9	128.7	471.4	185.0	407.9	335.7	138.5	43.5	136.8	59.7	2130.7
1946	52.2	120.7	47.4	65.0	291.1	137.4	262.6	123.4	164.3	66.4	134.8	55.8	1521.1
1947	65.2	22.7	89.3	65.2	283.1	393.2	122.8	152.8	148.8	32.0	76.3	60.0	1511.4
1948	56.7	7.4	70.3	146.9	197.1	393.9	443.1	149.7	273.5	95.1	24.9	77.4	1936.0
1949	3.0	145.2	129.6	91.8	613.5	510.9	143.8	59.6	37.5	13.0	32.1	118.6	1898.6
1950	0.9	27.3	91.5	251.3	431.1	506.6	181.9	319.1	166.7	79.7	98.5	94.5	2249.1
1951	100.9	39.5	25.1	19.7	672.9	430.5	385.8	175.0	204.7	72.9	123.8	44.8	2295.6
1952	11.8	52.2	206.7	23.3	257.1	148.7	173.4	208.5	60.5	64.6	41.1	1.9	1249.8
1953	137.9	25.7	44.7	67.7	365.3	231.3	301.7	475.0	319.1	61.0	19.3	59.8	2108.5
1954	10.9	49.1	2.3	190.5	283.2	275.5	367.5	225.3	125.9	74.3	34.2	59.1	1697.8
1955	15.7	42.6	32.4	146.8	87.1	218.3	105.0	242.8	94.8	13.0	30.7	142.0	1171.2
MIN	0.0	0.0	0.0	19.7	87.1	130.0	105.0	59.6	37.5	11.1	19.3	0.3	1171.2
MAX	137.9	145.2	206.7	426.0	672.9	541.0	515.0	524.1	405.2	306.4	236.0	250.0	2295.6
PROM	40.2	44.5	66.5	134.4	289.1	304.2	304.3	242.9	147.7	99.5	76.8	79.3	1808.4
DESV	40.9	39.2	50.0	94.3	153.0	138.6	128.5	124.4	92.6	77.4	53.6	64.9	357.6
CV	1.0	0.9	0.8	0.7	0.5	0.5	0.4	0.5	0.6	0.8	0.7	0.8	0.2

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 8 HOYA 401 VALDIVIA SUP 11056 (KM2) 797.

EST 4 PURULON

LAT 3928 LON 7236 ALT 40 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1931	91.0	0.4	38.0	184.0	154.0	200.0	308.0	262.0	81.0	149.0	43.0	12.0	1522.4
1932	50.0	31.0	83.0	367.0	69.0	355.0	387.0	198.0	158.0	151.0	50.0	51.0	1955.0
1933	101.0	39.0	233.0	96.0	141.0	323.0	174.0	245.0	74.0	102.0	100.0	118.0	1746.0
1934	44.0	59.0	85.0	47.0	197.0	483.0	233.0	128.0	147.0	107.0	19.0	-1.0	-1.0
1935	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	113.0	77.0	-1.0
1936	13.0	37.0	112.0	244.0	275.0	332.0	248.0	158.0	172.0	96.0	64.0	160.0	1911.0
1937	7.0	150.0	53.0	38.0	314.0	412.0	304.0	309.0	64.0	30.0	97.0	27.0	1805.0
1938	34.0	2.0	53.0	40.0	146.0	218.0	326.0	83.0	126.0	179.0	70.0	62.0	1339.0
1939	95.0	124.0	14.0	60.0	432.0	369.0	146.0	608.0	125.0	269.0	37.0	22.0	2301.0
1940	67.0	188.0	76.0	296.0	612.0	544.0	550.0	82.0	186.0	164.0	79.0	152.0	2996.0
1941	1.0	42.0	32.0	228.0	286.0	218.0	651.0	485.0	138.0	147.0	344.0	152.0	2724.0
1942	27.0	55.0	114.0	140.0	251.0	251.0	229.0	449.0	242.0	75.0	40.0	74.0	1947.0
1943	1.0	27.0	126.0	71.0	273.0	132.0	343.0	145.0	218.0	82.0	70.0	14.0	1502.0
1944	28.0	10.0	36.0	74.0	263.2	721.8	318.9	692.6	138.0	324.0	114.8	8.4	2729.7
1945	5.0	93.3	176.1	139.7	678.7	249.2	436.7	425.0	151.6	48.3	156.8	59.3	2619.7
1946	74.2	129.0	79.2	88.9	358.2	184.6	438.2	147.1	205.1	70.9	180.8	64.7	2020.9
1947	82.1	22.4	81.3	87.7	342.5	499.7	189.2	242.9	203.6	39.9	114.3	59.1	1964.7
1948	108.3	17.4	73.5	166.5	235.7	373.8	642.3	242.8	338.1	162.2	28.7	124.2	2513.5
1949	2.2	190.7	274.1	100.1	729.7	750.2	141.6	86.2	76.4	32.0	45.7	134.4	2563.3
1950	1.9	38.2	150.0	253.6	478.9	599.7	241.3	417.6	232.9	120.0	128.9	120.5	2783.5
1951	129.8	62.8	47.2	20.4	916.1	535.3	417.7	186.7	247.7	101.0	165.3	56.5	2886.5
1952	15.9	66.6	238.8	36.1	325.8	163.7	205.0	256.3	110.3	97.3	44.8	1.1	1561.7
1953	147.1	22.7	63.1	65.7	523.9	275.4	390.3	495.4	402.7	75.3	19.1	67.5	2548.2
1954	21.6	47.0	2.4	246.6	306.0	386.1	394.7	296.4	204.1	84.4	34.7	119.5	2143.5
1955	68.2	78.9	49.8	157.5	163.1	358.7	172.1	323.8	117.6	22.2	33.4	240.4	1785.7
1956	166.4	40.8	179.9	184.2	291.0	216.0	373.9	194.8	135.3	74.2	44.6	16.7	1917.8
1957	64.8	1.6	22.3	73.9	400.5	260.6	374.8	461.3	147.7	132.4	56.2	189.6	2185.7
1958	52.3	40.8	49.2	191.3	580.7	409.6	407.7	305.4	199.6	29.5	177.8	9.2	2453.1
1959	169.3	12.7	125.1	389.5	329.2	262.3	366.3	248.8	309.6	239.1	29.1	9.0	2490.0
1960	92.1	12.9	99.4	109.0	279.2	491.6	381.1	177.8	118.8	175.6	60.6	70.1	2068.2
1961	169.2	27.1	74.5	76.8	491.3	369.1	481.1	298.5	348.8	70.8	65.0	9.4	2482.6
1962	70.3	0.7	121.3	147.3	90.7	288.0	110.0	124.3	114.6	99.4	206.2	33.6	1716.0
1963	39.1	136.4	141.9	178.0	288.2	367.3	320.3	494.5	237.2	177.3	136.8	65.9	2582.9
1964	85.0	63.0	73.0	56.0	311.0	278.0	172.0	301.0	213.0	66.0	86.0	187.0	1891.0
1965	50.0	159.0	109.0	247.0	196.0	394.0	452.0	393.0	108.0	135.0	260.0	101.0	2605.0
1966	14.0	12.0	72.0	298.0	267.0	535.0	365.0	255.0	108.0	100.0	80.0	207.0	2313.0
1967	130.0	87.0	86.0	51.0	248.0	191.0	402.0	206.0	189.0	221.0	64.0	22.0	1897.0
1968	6.1	96.0	76.0	97.0	154.0	-1.0	163.0	212.0	214.0	138.0	105.0	-1.0	-1.0
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
MIN	1.0	0.4	2.4	20.4	69.0	132.0	119.6	82.0	64.0	22.2	19.0	1.1	1339.0
MAX	169.3	190.7	274.1	389.5	916.1	750.2	651.0	692.6	402.7	324.0	344.0	240.4	2996.0
PROM	62.8	60.1	95.3	144.5	335.1	361.0	331.5	295.6	178.5	118.6	93.8	80.5	2184.9
DES.V	51.4	53.5	62.3	96.6	185.2	150.9	132.9	147.4	79.5	68.6	70.2	64.7	438.2
CV	0.8	0.9	0.7	0.7	0.6	0.4	0.4	0.5	0.4	0.6	0.7	0.8	0.2
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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 8

HOYA 401 VALDIVIA  
EST 6 MINA EL ROBLE  
LAT 3934 LON 7246

SUP 11056 (KM2)

798.

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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	214.0	311.0	200.0	95.0	24.0	83.0	-1.0
1943	0.1	33.0	119.0	68.0	237.0	161.0	378.0	114.0	221.0	114.0	72.0	1.0	1518.1
1944	19.0	44.0	52.0	86.0	209.1	377.5	317.5	590.6	140.7	430.8	122.6	12.0	2401.8
1945	3.3	87.0	226.1	165.5	480.9	249.8	464.4	444.3	138.7	73.4	173.5	73.1	2580.0
1946	88.3	112.5	90.2	108.1	300.6	147.7	407.9	154.4	279.4	83.2	177.4	76.0	2025.8
1947	126.0	26.5	87.3	73.6	636.3	421.3	137.4	230.3	214.3	47.6	120.2	74.8	2195.6
1948	113.7	20.0	88.7	167.5	210.6	337.7	552.8	178.5	324.0	92.6	22.9	121.3	2230.2
1949	0.7	182.8	274.4	102.5	624.7	631.3	142.8	101.4	48.3	20.9	43.7	97.6	2271.1
1950	0.0	44.5	150.7	298.4	497.8	629.6	288.4	367.2	224.3	83.2	177.8	120.6	2882.5
1951	101.1	45.0	58.2	32.2	971.2	577.4	452.5	206.9	298.4	123.6	188.4	65.3	3120.2
1952	40.2	63.9	317.1	37.5	353.6	191.1	196.8	270.7	129.5	93.1	65.0	9.0	1767.5
1953	270.7	40.3	106.4	79.4	632.2	305.6	415.2	441.3	400.3	81.8	12.2	57.8	2843.2
1954	20.7	76.2	3.3	234.3	226.9	208.4	413.4	323.0	201.3	103.2	36.1	84.9	1931.7
1955	63.5	75.3	44.7	178.6	137.5	351.6	183.3	308.9	85.6	22.8	22.3	207.6	1681.7
1956	165.2	66.1	162.2	172.7	204.9	189.1	283.5	136.4	134.8	83.2	36.4	11.4	1645.9
1957	92.6	1.1	39.5	54.7	423.6	402.3	363.2	429.6	169.8	112.8	70.5	149.8	2309.5
1958	49.4	39.9	30.0	184.4	518.5	439.1	497.3	259.2	188.2	37.1	183.4	13.9	2440.4
1959	122.7	8.9	151.0	412.2	298.8	211.5	327.1	239.4	285.2	259.8	25.6	5.7	2347.9
1960	90.0	19.3	72.3	99.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	1.1	3.3	32.2	137.5	147.7	137.4	101.4	48.3	20.9	12.2	1.0	1518.1
MAX	270.7	182.8	317.1	412.2	971.2	631.3	552.8	590.6	400.3	430.8	188.4	207.6	3120.2
PROM	76.0	54.8	115.2	141.9	409.7	343.1	335.3	283.7	204.7	108.8	87.4	70.3	2246.7
DESV	70.4	42.9	85.7	98.1	219.9	158.9	124.3	132.6	88.5	95.6	66.6	56.6	454.3
CV	0.9	0.8	0.7	0.7	0.5	0.5	0.4	0.5	0.4	0.9	0.8	0.8	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)													
*****													
ZONA	8												SUP
HOYA	401 VALDIVIA												11056 (KM2)
EST	7 CENTRAL PULLINQUE												
LAT	3935 LON 7213 ALT 145 (MTS)												
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
*****													
1956	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	139.0	116.0	70.0	54.5	12.5	-1.0
1957	37.5	0.0	28.0	48.5	264.0	233.0	290.0	362.0	85.5	112.5	30.0	105.0	1596.0
1958	71.0	43.0	9.0	158.7	402.0	279.0	348.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1959	46.0	20.5	108.4	313.5	223.5	268.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1960	65.0	2.0	66.5	164.5	133.6	402.6	244.6	179.2	118.5	123.0	60.0	27.5	1587.0
1961	194.0	19.4	74.0	97.5	342.0	314.0	470.6	236.5	260.2	126.7	83.1	15.5	2233.5
1962	1.4	0.0	93.9	126.3	91.1	270.7	81.9	353.7	66.5	43.2	203.1	28.1	1359.9
1963	68.2	97.6	170.5	247.7	211.6	316.5	328.0	382.5	251.5	174.0	108.0	68.0	2424.1
1964	101.2	51.0	77.0	103.5	322.0	262.0	148.5	270.0	200.5	67.5	75.0	183.4	1861.6
1965	78.5	124.0	57.0	188.7	224.0	384.5	332.0	362.5	79.0	122.5	229.0	134.0	2315.7
1966	23.0	28.5	96.0	221.8	350.5	349.0	288.5	254.0	91.0	143.0	90.5	221.5	2157.5
1967	135.0	78.5	65.5	65.0	450.0	159.5	329.0	356.5	168.7	217.8	53.3	50.0	2127.9
1968	10.0	119.0	104.7	110.0	238.0	189.5	187.7	207.0	232.0	124.7	118.1	266.2	1906.9
*****													
MIN	1.4	0.0	9.0	48.5	91.1	159.5	81.9	139.0	66.5	43.2	30.0	12.5	1359.9
MAX	194.0	124.0	170.5	313.5	450.0	402.6	470.6	382.5	260.2	217.8	229.0	266.2	2424.1
PROM	69.2	48.6	79.2	153.8	271.0	285.7	277.2	282.1	151.8	120.4	100.4	101.1	1957.0
DESV	54.6	45.6	41.3	78.4	106.0	72.8	107.2	85.6	73.4	49.3	62.8	89.0	354.0
CV	0.8	0.9	0.5	0.5	0.4	0.3	0.4	0.3	0.5	0.4	0.6	0.9	0.2
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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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 ZONA 8 HOYA 401 VALDIVIA SUP 11056 (KM2) 800.  
 EST 8 CHIGUAO  
 LAT 3940 LON 7304 ALT 20 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1922	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	870.7	263.8	93.1	105.1	37.0	13.0	-1.0
1923	23.2	62.1	174.8	49.2	134.6	432.6	237.4	315.2	183.0	124.3	37.0	14.0	1633.9
1924	6.2	154.6	130.9	158.3	129.2	280.1	229.4	108.9	90.8	67.8	23.9	62.8	1341.5
1925	78.5	66.5	60.2	251.5	84.5	178.7	174.1	380.3	424.9	18.7	133.3	118.1	2121.9
1926	120.7	92.5	351.0	186.3	276.1	331.3	215.7	234.5	155.8	123.2	179.7	196.7	2627.5
1927	91.4	52.8	-1.0	-1.0	-1.0	-1.0	385.1	283.9	384.5	91.0	65.9	41.5	-1.0
1928	84.6	51.3	129.4	381.9	209.2	-1.0	343.0	105.6	79.4	25.9	134.6	212.6	-1.0
1929	78.0	64.0	49.0	162.0	135.0	-1.0	183.0	414.0	174.0	107.0	74.0	198.0	-1.0
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
MIN	6.2	51.3	49.0	49.2	84.5	178.7	174.1	105.6	79.4	18.7	23.9	13.0	1341.5
MAX	120.7	154.6	351.0	381.9	276.1	432.6	870.7	414.0	424.9	124.3	179.7	212.6	2627.5
PRCM	68.9	77.7	149.2	198.2	161.4	305.7	329.8	263.3	198.2	82.9	85.7	107.1	1931.2
DESV	40.1	36.5	109.6	111.2	69.0	105.7	230.9	112.8	133.8	41.5	56.8	85.6	564.9
CV	0.6	0.5	0.7	0.6	0.4	0.3	0.7	0.4	0.7	0.5	0.7	0.8	0.3
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)  
 ZONA 8 HOYA 401 VALDIVIA SUP 11056 (KM2) 801.  
 EST 9 PANGUIPULLI  
 LAT 3941 LON 7218 ALT 140 (MTS)

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1914	120.7	3.5	35.0	97.0	272.3	661.3	499.3	254.7	247.6	108.4	292.3	50.5	2742.1
1915	29.6	45.0	53.9	426.2	767.3	408.2	555.6	365.3	238.4	141.4	82.3	43.3	3156.5
1916	114.7	13.2	234.1	206.4	427.0	133.8	292.1	293.6	276.7	65.7	229.1	203.8	2490.2
1917	111.9	211.9	37.6	116.5	133.1	444.0	152.8	199.4	332.3	77.3	78.0	78.0	1972.8
1918	125.0	5.7	285.8	457.7	446.0	305.0	447.1	276.5	316.5	114.0	310.8	34.6	3124.7
1919	52.2	58.8	152.9	217.2	720.6	287.3	416.3	274.6	287.1	46.8	275.1	94.2	2883.1
1920	12.2	16.1	319.1	199.0	741.0	251.8	156.0	294.8	261.0	168.7	307.5	183.0	2910.3
1921	119.3	117.6	103.5	398.0	591.6	313.9	189.8	475.0	98.1	89.4	15.8	291.8	2803.8
1922	104.7	31.8	209.1	48.4	281.9	418.7	813.3	365.6	130.2	138.8	89.3	47.9	2679.7
1923	49.7	75.1	187.2	75.8	181.2	301.4	256.0	478.3	178.5	230.8	155.3	111.3	2280.6
1924	10.7	198.6	191.5	195.1	249.0	476.5	332.6	133.8	112.8	78.0	21.0	51.5	2056.1
1925	65.9	94.6	66.5	258.7	177.1	419.7	233.7	345.5	401.2	56.2	237.7	129.1	2485.9
1926	90.8	24.0	360.9	183.9	179.6	476.9	257.5	317.2	185.9	160.4	259.1	128.7	2624.9
1927	39.7	61.5	118.5	187.3	235.9	241.9	468.9	378.9	416.7	132.6	60.0	68.9	2410.8
1928	58.3	70.5	133.2	325.6	215.9	418.4	322.7	128.2	80.3	63.1	170.5	181.1	2167.8
1929	88.0	54.0	55.0	125.0	132.0	397.0	254.0	462.0	190.0	102.0	83.0	224.0	2166.0
1930	0.0	29.0	48.0	259.0	263.0	550.0	505.0	183.0	93.0	208.0	246.0	268.0	2652.0
1931	55.0	9.0	58.0	221.0	195.0	298.0	381.0	306.0	128.0	220.0	61.0	32.0	1964.0
1932	32.0	52.0	126.0	504.0	108.0	548.0	575.0	301.0	196.0	201.0	93.0	71.0	2807.0
1933	119.0	71.0	257.0	165.0	205.0	385.0	220.0	412.0	117.0	168.0	170.0	172.0	2461.0
1934	60.0	83.0	129.0	76.0	333.0	662.0	330.0	167.0	216.0	164.0	25.0	100.0	2345.0
1935	64.0	84.0	230.0	99.0	446.0	559.0	202.0	233.0	226.0	216.0	181.0	169.0	2709.0
1936	54.0	33.0	160.0	326.0	375.0	492.0	275.0	302.0	322.0	114.0	87.0	400.0	2940.0
1937	26.0	224.0	83.0	100.0	501.0	520.0	419.0	394.0	90.0	51.0	158.0	40.0	2606.0
1938	48.0	8.0	234.0	90.0	232.0	367.0	433.0	154.0	219.0	206.0	190.0	18.0	2199.0
1939	105.0	81.0	30.0	60.0	494.0	402.0	143.0	370.0	201.0	344.0	50.0	46.0	2336.0
1940	121.0	115.0	76.0	337.0	646.0	383.0	457.0	136.0	151.0	195.0	114.0	171.0	2902.0
1941	0.0	61.0	56.0	210.0	272.0	241.0	528.0	460.0	87.0	149.0	317.0	124.0	2505.0
1942	33.0	96.0	86.0	171.0	314.0	262.0	214.0	302.0	249.0	125.0	56.0	54.0	1962.0
1943	1.0	36.0	134.0	90.0	361.0	173.0	356.0	126.0	180.0	100.0	94.0	3.0	1654.0
1944	50.0	21.0	76.0	73.0	222.5	650.9	24.7	519.5	179.4	279.3	122.9	4.9	2443.7
1945	7.1	108.5	211.6	159.6	539.2	217.2	42.7	324.9	169.1	80.6	181.6	117.0	2546.1
1946	79.5	146.8	78.6	104.5	327.9	258.0	399.2	185.9	263.5	134.4	227.8	89.1	2295.2
1947	122.2	23.0	90.9	79.7	461.5	437.4	134.9	247.2	182.4	43.4	129.4	61.6	2013.6
1948	104.8	10.7	79.3	195.3	231.4	322.2	479.7	155.9	343.3	95.6	23.0	122.0	2163.2
1949	10.0	152.5	223.6	144.2	662.3	612.9	114.9	73.0	31.5	19.0	26.5	76.4	2146.8
1950	1.0	30.4	112.4	222.7	439.4	585.4	218.4	336.8	187.7	117.6	151.7	116.8	2520.3
1951	122.2	63.7	74.6	19.6	833.7	509.1	422.2	256.3	266.6	124.5	178.9	73.1	2944.5
1952	14.0	51.4	306.4	55.8	303.6	167.1	270.4	233.6	164.0	114.7	64.0	17.0	1762.0
1953	201.4	19.8	81.6	64.5	600.6	356.0	367.4	484.9	417.4	66.9	17.7	82.5	2760.7
1954	16.1	49.6	4.5	241.0	292.1	368.5	414.2	366.7	211.9	113.9	36.5	135.1	2250.1
1955	88.4	80.9	60.5	218.3	169.6	440.3	168.4	279.3	120.6	22.1	27.7	165.2	1841.3
1956	237.4	44.6	187.1	238.8	262.5	205.8	351.8	177.1	126.2	83.4	49.6	17.7	1982.0
1957	81.0	4.7	19.2	66.7	444.3	238.3	357.6	464.3	145.8	111.6	65.4	114.0	2112.9
1958	46.1	34.8	24.3	167.3	554.8	412.8	413.3	265.4	141.7	29.2	235.6	13.9	2339.2
1959	137.2	29.3	188.6	405.0	307.4	265.4	494.5	251.4	325.1	288.6	36.8	8.2	2737.5
1960	82.7	22.1	84.5	162.3	340.2	411.3	414.0	235.4	141.2	259.5	71.8	73.7	2298.7
1961	211.9	40.4	95.6	72.7	446.1	349.4	469.9	320.7	360.8	99.1	56.0	9.3	2531.9
1962	58.6	0.0	81.5	51.4	73.6	305.0	107.0	390.3	138.9	62.3	150.2	23.9	1442.7
1963	40.7	62.6	145.3	266.8	199.7	332.3	346.2	442.5	289.5	239.3	119.7	73.9	2558.5

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1964	97.0	93.0	78.0	58.0	271.0	252.0	180.0	309.0	178.0	112.0	71.0	194.0	1893.0
1965	78.0	160.6	63.0	163.0	246.0	402.0	356.0	328.0	121.0	155.0	278.0	143.0	2493.6
1966	19.0	26.0	104.0	278.0	336.0	436.0	297.0	281.0	112.0	98.0	91.0	272.0	2350.0
1967	116.0	104.0	76.0	60.0	538.0	168.0	340.0	340.0	215.0	242.0	46.0	42.0	2287.0
1968	12.0	114.0	79.0	126.0	230.0	197.0	223.0	280.0	245.0	185.0	116.0	224.0	2031.0
MIN	0.0	0.0	4.5	19.6	73.6	133.8	107.0	73.0	31.5	19.0	15.8	3.0	1442.7
MAX	237.4	224.0	360.9	504.0	833.7	662.0	813.3	519.5	417.4	344.0	317.0	400.0	3156.5
PROM	71.7	64.7	125.0	180.4	360.5	376.3	340.0	298.9	205.6	134.8	128.8	106.5	2395.3
DESV	53.9	53.3	83.3	114.5	182.3	134.0	138.8	106.1	90.8	72.7	89.0	83.8	375.1
CV	0.8	0.8	0.7	0.6	0.5	0.4	0.4	0.4	0.4	0.5	0.7	0.8	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA	8		HOYA 401 VALDIVIA		EST 10 SAN PEDRO DE MAÑIO		LAT 3944 LON 7230 ALT 100 (MTS)		SUP 11056 (KM2)					
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT	
1946	40.9	110.2	106.8	126.3	301.1	207.2	384.9	156.8	307.8	118.4	213.7	80.2	2154.3	
1947	88.9	27.4	80.6	82.5	413.8	424.9	181.3	213.0	186.7	40.5	112.3	93.2	1945.1	
1948	93.8	10.1	86.9	157.1	241.1	354.5	500.1	197.2	336.0	134.2	34.6	152.5	2298.0	
1949	37.9	235.8	270.4	122.5	716.6	632.0	162.6	76.6	54.7	30.2	46.3	126.9	2512.5	
1950	3.0	54.7	150.9	260.5	418.7	497.2	249.4	361.0	212.5	121.6	151.4	119.2	2600.1	
MIN	3.0	10.1	80.6	82.5	241.1	207.2	162.6	76.6	54.7	30.2	34.6	80.2	1945.1	
MAX	93.8	235.8	270.4	260.5	716.6	632.0	500.1	361.0	336.0	134.2	213.7	152.5	2600.1	
PROM	52.9	87.6	139.1	149.8	418.3	423.2	295.7	200.9	219.5	89.0	111.7	114.4	2302.0	
DESV	38.2	91.1	78.4	67.3	183.1	158.5	143.8	103.9	111.4	49.4	74.5	28.5	265.7	
CV	0.7	1.0	0.6	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.7	0.2	0.1	

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803.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 8 HOYA 401 VALDIVIA SUP 11056 (KM2) 804.

EST 11 LAGO RINIHUE

LAT 3946 LON 7227

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1964	105.0	105.0	56.0	142.0	379.0	300.0	205.0	354.0	244.0	113.0	96.0	276.0	2375.0
1965	59.0	160.0	64.0	190.0	184.0	393.0	417.0	457.0	104.0	198.0	258.0	163.0	2647.0
1966	24.0	58.0	131.0	230.0	440.0	566.0	393.0	290.0	138.0	180.5	114.0	319.0	2883.5
1967	152.0	108.0	52.5	91.0	522.0	227.5	365.0	428.5	213.0	266.7	58.0	39.0	2523.2
1968	14.0	68.3	79.5	99.2	264.5	201.5	234.0	221.6	199.8	168.3	118.5	225.3	1894.5
MIN	14.0	58.0	52.5	91.0	184.0	201.5	205.0	221.6	104.0	113.0	58.0	39.0	1894.5
MAX	152.0	160.0	131.0	230.0	522.0	566.0	417.0	457.0	244.0	266.7	258.0	319.0	2883.5
PROM	70.8	99.9	76.6	150.4	357.9	337.6	322.8	350.2	179.8	185.3	128.9	204.5	2464.6
DESV	57.7	40.2	32.1	59.4	135.2	147.7	96.6	97.1	57.3	55.5	76.0	109.3	369.2
CV	0.8	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.6	0.5	0.1

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 8 HOYA 401 VALDIVIA SUP 11056 (KM2)

EST 12 PORVENIR

LAT 3946 LON 7232 ALT 9 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1928	112.6	59.5	139.5	365.2	127.5	386.0	322.5	124.5	76.0	80.0	144.7	175.5	2113.5
1929	69.0	110.0	93.0	168.0	148.0	366.0	224.0	527.0	209.0	140.0	154.0	226.0	2434.0
1930	0.0	76.0	115.0	226.0	278.0	543.0	497.0	208.0	85.0	238.0	201.0	260.0	2727.0
1931	80.0	28.0	64.0	291.0	166.0	285.0	332.0	358.0	141.0	233.0	77.0	43.0	2098.0
1932	58.0	66.0	143.0	-1.0	-1.0	517.0	522.0	282.0	261.0	-1.0	81.0	84.0	-1.0
1933	173.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	28.0	64.0	168.0	127.5	285.0	224.0	124.5	76.0	80.0	77.0	43.0	2098.0
MAX	173.0	110.0	143.0	365.2	278.0	543.0	522.0	527.0	261.0	238.0	201.0	260.0	2727.0
PROM	82.1	67.9	110.9	262.5	179.9	419.4	379.5	299.9	154.4	172.8	131.5	157.7	2343.1
DESV	57.8	29.6	33.1	84.9	67.3	108.2	126.3	153.7	79.8	76.5	52.5	92.2	299.1
CV	0.7	0.4	0.3	0.3	0.4	0.3	0.3	0.5	0.5	0.4	0.4	0.6	0.1

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805.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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 ZONA 8 HOYA 401 VALDIVIA SUP 11056 (KH2) 806.  
 EST 14 QUITACALZON  
 LAT 3946 LON 7309 ALT 7 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1914	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	236.8	423.2	68.1	211.2	54.1	-1.0
1915	14.4	43.8	28.8	417.8	773.0	344.4	507.0	256.2	149.2	122.6	85.4	58.2	2800.8
1916	73.0	8.0	165.4	139.9	322.2	123.4	197.4	367.7	225.1	50.2	157.0	204.2	2033.5
1917	59.6	76.7	41.0	74.2	140.0	517.2	218.0	201.4	279.0	72.0	48.6	131.8	1859.5
1918	76.0	14.4	221.8	297.2	522.2	323.0	305.6	166.2	206.4	98.8	393.6	14.0	2639.2
1919	37.2	73.0	106.8	250.6	766.8	291.6	431.6	210.0	200.0	68.2	179.4	92.6	2707.8
1920	37.6	9.0	241.4	270.8	659.2	306.8	137.8	246.4	276.2	94.4	186.6	66.0	2532.2
1921	114.2	115.8	76.2	422.0	459.2	369.2	131.0	355.4	102.8	77.6	14.2	256.6	2494.2
1922	74.6	33.6	123.8	57.0	184.4	495.4	1022.0	297.2	120.6	100.4	41.6	12.6	2563.4
1923	21.4	59.6	178.0	71.8	125.4	326.2	249.4	394.2	210.0	116.0	92.0	72.4	1916.4
1924	8.0	130.6	122.8	175.8	194.0	371.2	342.8	132.0	98.8	83.0	28.0	62.4	1748.8
1925	74.8	54.8	69.6	253.0	121.6	-1.0	263.2	259.8	537.8	35.2	157.8	76.0	-1.0
1926	127.8	72.6	327.7	180.0	241.6	641.2	228.8	200.0	183.6	142.0	214.2	124.4	2683.9
1927	46.0	79.8	78.6	152.4	215.4	185.4	386.2	271.2	369.6	86.2	37.6	46.0	1954.4
1928	79.6	70.2	166.8	387.4	222.8	507.0	455.2	125.2	65.0	26.2	130.0	218.6	2454.0
1929	129.0	86.0	46.0	132.0	203.0	471.0	222.0	430.0	187.0	90.0	66.0	168.0	2230.0
1930	2.0	11.0	106.0	196.0	279.0	612.0	432.0	207.0	96.0	126.0	183.0	194.0	2444.0
1931	48.0	13.0	49.0	173.0	148.0	295.0	352.0	306.0	117.0	153.0	61.0	25.0	1740.0
1932	51.0	61.0	98.0	487.0	105.0	496.0	504.0	415.0	189.0	182.0	62.0	53.0	2703.0
1933	214.0	69.0	183.0	174.0	207.0	369.0	188.0	315.0	184.0	161.0	109.0	154.0	2227.0
1934	68.0	58.0	167.0	62.0	273.0	589.0	295.0	175.0	188.0	110.0	25.0	31.0	2041.0
1935	36.0	96.0	123.0	118.0	432.0	483.0	160.0	245.0	167.0	131.0	150.0	163.0	2304.0
1936	79.0	44.0	76.0	225.0	517.0	380.0	419.0	225.0	192.0	51.0	37.0	252.0	2497.0
1937	2.0	163.0	140.0	55.0	322.0	495.0	368.0	341.0	110.0	21.0	164.0	19.0	2200.0
1938	33.0	6.0	143.0	85.0	287.0	517.0	353.0	161.0	238.0	164.0	124.0	16.0	2127.0
1939	129.0	113.0	33.0	58.0	623.0	476.0	218.0	326.0	196.0	194.0	24.0	30.0	2420.0
1940	62.0	134.0	85.0	288.0	514.0	450.0	513.0	112.0	180.0	127.0	111.0	170.0	2746.0
1941	0.0	51.0	25.0	207.0	242.0	324.0	597.0	471.0	102.0	157.0	190.0	124.0	2490.0
1942	24.0	106.0	122.0	211.0	180.0	192.0	263.0	373.0	233.0	74.0	43.0	74.0	1895.0
1943	1.0	58.0	114.0	108.0	304.0	200.0	396.0	146.0	243.0	124.0	62.0	1.0	1757.0
1944	20.0	30.0	40.0	82.0	218.0	562.0	327.0	603.0	165.0	474.0	103.0	15.0	2640.0
1945	11.4	80.2	236.8	168.0	576.4	253.4	48.0	468.0	103.8	87.4	155.8	91.8	2714.0
1946	85.0	113.2	58.6	128.8	-1.0	177.6	411.0	161.4	280.8	135.0	212.0	55.6	-1.0
1947	151.8	54.2	32.0	103.6	341.4	489.6	109.2	228.6	170.6	30.0	-1.0	-1.0	-1.0
MIN	0.0	6.0	25.0	55.0	105.0	123.4	109.2	112.0	65.0	21.0	14.2	1.0	1740.0
MAX	214.0	163.0	327.7	487.0	773.0	641.2	1022.0	603.0	537.8	474.0	393.6	256.6	2800.8
PROM	60.3	66.3	115.9	188.2	335.0	394.8	348.0	277.3	196.7	112.7	116.9	94.7	2318.8
DESV	49.9	40.1	72.0	114.8	191.3	138.0	174.5	115.2	99.3	78.1	80.7	74.1	339.2
CV	0.8	0.6	0.6	0.6	0.6	0.3	0.5	0.4	0.5	0.7	0.7	0.8	0.1

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

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ZONA 8 HOYA 401 VALDIVIA SUP 11056 (KM2)

EST 15 ANTILHUE

LAT 3947 LON 7258 ALT 15 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1935	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	89.0	145.0	164.0	178.0	-1.0
1936	60.0	42.0	107.0	262.0	458.0	361.0	390.0	229.0	201.0	67.0	59.0	298.0	2534.0
1937	2.0	185.0	139.0	78.0	397.0	508.0	472.0	373.0	77.0	42.0	175.0	21.0	2469.0
1938	56.0	8.0	178.0	110.0	314.0	352.0	358.0	159.0	165.0	212.0	111.0	23.0	2046.0
1939	202.0	143.0	22.0	89.0	592.0	440.0	179.0	305.0	176.0	205.0	36.0	31.0	2420.0
1940	90.0	160.0	93.0	330.0	465.0	469.0	499.0	126.0	177.0	124.0	114.0	122.0	2769.0
1941	0.0	73.0	36.0	200.0	254.0	268.0	534.0	454.0	92.0	140.0	207.0	170.0	2428.0
1942	35.0	109.0	150.0	166.0	188.0	235.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1947	133.8	31.4	65.8	94.4	403.9	500.6	213.8	205.6	209.4	71.3	141.9	68.2	2140.1
1948	142.5	10.7	59.9	174.4	263.6	380.7	642.2	226.3	330.0	83.0	18.0	126.2	2457.5
1949	4.8	172.9	220.0	142.5	650.5	66.5	179.3	117.5	58.2	24.9	29.4	73.0	2333.5
1950	0.0	74.8	106.5	237.4	561.1	588.1	212.6	394.4	172.3	73.4	157.9	38.5	2617.0
1951	84.6	47.8	41.7	18.9	776.8	400.9	380.1	236.2	185.5	54.8	61.8	46.0	2335.1
1952	7.5	44.3	141.1	41.7	207.9	158.1	198.5	236.4	67.3	45.7	27.9	1.4	1177.8
1953	169.5	31.7	68.2	40.5	458.2	476.7	459.6	522.0	446.8	95.3	22.1	65.9	2856.5
1954	24.2	59.7	7.0	262.7	335.1	433.2	521.3	396.4	249.6	106.8	67.9	112.1	2576.0
1955	93.2	71.2	55.2	278.4	125.5	511.0	294.9	329.8	109.3	25.0	42.7	119.6	2055.8
1956	171.0	52.4	180.3	165.0	336.0	517.8	565.1	568.1	190.5	46.6	57.9	6.3	2857.0
1957	110.5	3.9	48.2	123.1	768.7	330.0	679.6	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	3.9	7.0	18.9	125.5	66.5	179.0	117.5	58.2	24.9	18.0	1.4	1177.8
MAX	202.0	185.0	220.0	330.0	776.8	588.1	679.6	568.1	446.8	212.0	207.0	298.0	2857.0
PROM	77.0	73.4	95.5	156.3	419.7	388.7	398.8	304.9	176.2	91.9	87.9	88.2	2379.5
DESV	66.4	57.2	60.9	90.7	191.0	136.7	165.2	136.6	99.8	57.1	61.4	76.9	405.4
CV	0.9	0.8	0.6	0.6	0.5	0.4	0.4	0.4	0.6	0.6	0.7	0.9	0.2

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807.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)													
*****													
ZONA	E	HCOYA 401 VALCIVIA		EST 16 VALCIVIA ENDESA		LAT 3948 LON 7313		SUP	TIPO	(KM2)			
								PRCP	END	TIPO	PV		
								ALT	13	(MTS)			
*****													
ANC	ENE	FEB	MAR	AER	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
*****													
1948	96.5	4.3	71.8	198.2	260.9	355.1	619.9	199.3	370.5	87.3	17.3	124.6	2446.7
1949	8.6	155.5	237.4	178.7	838.2	783.9	144.4	57.4	92.6	13.4	32.2	82.9	2665.3
1950	1.4	66.5	126.2	286.6	617.2	679.8	220.4	52.6	206.4	104.8	191.6	64.2	3151.2
1951	117.4	66.1	161.4	35.1	337.0	81.0	44.2	33.2	277.4	82.2	71.9	2.5	1705.4
1952	3.3	67.9	158.9	34.8	334.0	333.2	227.4	33.2	130.4	79.8	23.9	72.5	3244.1
1953	23.9	77.3	117.9	73.1	685.6	325.2	50.4	22.9	496.1	79.8	72.9	120.3	2461.9
1954	37.6	67.0	11.4	229.2	318.2	664.2	333.1	33.5	264.8	118.3	72.7	202.3	2226.2
1955	108.5	85.5	68.4	229.0	230.0	440.1	222.1	277.7	199.0	66.5	49.6	9.0	2112.9
1956	15.6	67.0	219.2	218.1	230.0	440.1	416.0	227.7	182.0	117.4	85.0	171.2	2409.2
1957	7.8	30.5	226.3	213.6	581.4	450.1	55.8	227.2	155.0	114.3	211.7	10.9	2601.1
1958	5.8	30.5	226.3	213.6	581.4	450.1	55.8	227.2	155.0	114.3	211.7	10.9	2601.1
1959	15.1	14.7	199.8	470.3	323.2	222.8	572.4	200.3	281.8	211.3	27.6	73.3	2244.5
1960	33.7	27.0	63.8	130.0	268.8	454.8	572.4	200.3	125.7	196.9	32.6	73.3	2244.5
1961	18.4	28.0	73.3	75.5	672.9	111.5	224.4	409.5	409.5	47.2	-1.0	-1.0	-1.0
1962	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	2.1	56.9	5.7	-1.0
1963	34.5	10.7	84.4	178.0	248.7	324.3	344.0	415.0	232.4	113.3	161.7	56.8	-1.0
1964	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1965	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1966	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1967	61.0	84.5	57.5	62.5	517.2	177.0	177.0	187.0	224.6	173.8	121.4	177.2	120.3
1968	8.5	117.0	38.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
MIN	1.4	2.5	11.4	34.8	119.0	121.2	144.4	97.4	46.0	2.1	17.3	2.5	1649.9
MAX	230.9	155.5	237.4	470.8	1037.0	783.9	619.9	226.9	496.1	211.7	211.7	202.3	3244.1
FRCM	80.3	55.3	97.8	171.4	461.1	388.2	406.2	314.7	221.1	86.3	87.0	76.4	2484.3
DES	9.0	41.3	66.8	113.5	247.7	179.5	137.0	132.6	114.7	58.0	66.8	62.8	493.2
CV	0.9	0.7	0.7	0.7	0.7	0.5	0.5	0.4	0.5	0.7	0.8	0.8	0.2
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

508.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORRIDOS

PRECIPITACIONES (MM)

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ZONA 8

HOYA 401 VALDIVIA  
EST 17 VISTA ALEGRE  
LAT 3949 LON 7313

SUP 11056 (KM2)

809.

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1940	57.0	136.0	71.0	283.0	507.0	449.0	492.0	115.0	184.0	131.0	112.0	168.0	2705.0
1941	1.0	39.0	28.0	193.0	239.0	298.0	570.0	456.0	101.0	146.0	178.0	128.0	2377.0
1942	28.0	90.0	118.0	210.0	196.0	185.0	269.0	344.0	225.0	67.0	51.0	65.0	1848.0
1943	2.0	59.0	115.0	124.0	339.0	192.0	376.0	130.0	238.0	111.0	68.0	1.0	1755.0
1944	16.0	29.0	58.0	75.0	214.0	540.9	302.1	587.4	135.7	452.8	107.6	11.9	2530.4
1945	10.6	77.5	223.6	140.2	542.6	247.4	478.9	443.2	95.1	89.1	151.1	81.7	2581.0
1946	93.4	102.7	68.2	115.8	385.1	174.7	425.5	152.9	283.6	110.1	192.9	61.2	2166.0
1947	116.5	40.5	39.9	90.7	341.8	470.6	122.7	229.4	190.5	56.0	101.2	58.8	1858.1
1948	89.9	4.0	66.9	184.6	243.0	371.7	574.5	185.6	345.0	81.3	16.1	116.1	2278.7
1949	8.0	144.8	221.1	166.4	780.7	730.0	134.5	90.7	86.2	12.5	30.0	77.2	2482.1
1950	0.7	61.9	117.5	266.9	374.8	633.1	261.1	489.9	192.2	97.6	178.4	59.8	2933.9
1951	109.3	61.6	57.2	32.7	966.3	541.5	420.2	217.5	258.1	92.7	155.8	47.9	2960.8
1952	3.1	63.2	148.0	32.4	311.6	217.0	254.7	290.7	121.4	76.6	67.0	2.3	1588.0
1953	215.0	72.0	109.8	68.1	638.5	328.2	472.5	490.7	462.0	74.3	22.3	67.7	3021.1
1954	35.0	62.4	9.0	213.4	296.3	339.2	495.3	303.1	246.6	110.7	67.9	112.0	2290.9
1955	101.0	79.6	63.7	278.5	110.8	503.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1956	-1.0	-1.0	-1.0	203.1	214.7	249.7	387.6	199.3	185.4	61.9	46.2	8.4	-1.0
1957	71.6	2.3	34.0	67.9	441.5	231.4	400.3	474.3	169.7	109.3	79.2	159.4	2240.9
1958	54.8	28.4	24.5	198.9	541.4	419.7	529.1	260.6	144.8	13.3	197.2	1.5	2414.2
1959	144.4	13.7	186.1	438.4	301.0	198.9	439.9	279.9	262.4	197.0	25.7	11.1	2498.5
1960	87.3	25.1	54.9	121.3	250.3	423.5	533.0	191.2	117.1	183.4	30.4	68.3	2090.3
1961	176.4	26.9	68.3	74.0	626.6	46.3	488.3	461.2	381.7	44.0	48.5	8.2	2880.4
1962	62.1	0.0	72.4	219.6	92.6	304.5	121.5	505.5	168.9	68.2	201.0	51.2	1859.5
1963	39.0	11.9	106.7	116.3	248.6	270.9	380.3	445.9	265.8	119.2	191.6	40.8	2236.2
1964	80.8	97.8	57.5	68.9	263.4	267.3	212.1	446.5	230.4	86.8	17.8	156.0	1985.3
1965	44.6	186.2	61.8	255.1	194.7	371.5	417.1	435.0	101.3	160.2	184.4	85.3	2497.2
1966	16.2	15.7	139.3	309.0	390.6	456.2	405.3	196.1	92.4	84.1	59.1	215.8	2379.8
1967	68.0	89.0	67.0	53.3	440.1	231.0	398.0	502.0	218.0	196.0	64.0	40.0	2366.4
1968	2.2	122.0	64.0	123.0	238.0	146.0	286.0	262.0	174.0	138.0	151.0	191.0	1897.0
MIN	0.7	0.0	9.0	32.4	92.6	46.3	121.5	90.7	86.2	12.5	16.1	1.0	1588.0
MAX	215.0	186.2	223.6	438.4	966.3	730.0	574.5	587.4	462.0	452.8	201.0	215.8	3021.1
PROM	61.9	62.2	87.5	162.9	370.0	339.3	380.3	328.1	202.7	113.2	99.8	74.8	2323.0
DESV	55.6	47.2	55.2	96.4	199.2	156.9	131.1	145.3	91.3	81.7	65.0	60.7	384.7
CV	0.9	0.8	0.6	0.6	0.5	0.5	0.3	0.4	0.5	0.7	0.7	0.8	0.2

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 8 HOYA 401 VALDIVIA SUP 11056 (KM2)  
 EST 18 VALDIVIA  
 LAT 3948 LON 7314 ALT 5 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1853	11.0	142.0	130.0	197.0	555.0	750.0	277.0	176.0	249.0	126.0	152.0	12.0	2777.0
1854	25.0	54.0	141.0	250.0	549.0	765.0	527.0	269.0	131.0	192.0	75.0	63.0	3041.0
1855	97.0	9.0	208.0	355.0	178.0	460.0	461.0	465.0	139.0	99.0	40.0	231.0	2742.0
1856	110.0	50.0	305.0	193.0	141.0	834.0	264.0	264.0	132.0	43.0	155.0	125.0	2616.0
1857	232.0	127.0	165.0	257.0	473.0	635.0	422.0	132.0	176.0	151.0	322.0	124.0	3216.0
1858	37.0	226.0	56.0	383.0	399.0	294.0	224.0	511.0	195.0	58.0	217.0	12.0	2612.0
1859	12.0	36.0	163.0	290.0	475.0	648.0	422.0	173.0	165.0	74.0	66.0	14.0	2538.0
1860	17.0	168.0	89.0	113.0	383.0	284.0	863.0	633.0	315.0	91.0	94.0	28.0	3078.0
1861	12.0	19.0	156.0	531.0	360.0	425.0	434.0	257.0	127.0	148.0	64.0	17.0	2550.0
1862	130.0	140.0	121.0	214.0	534.0	720.0	404.0	289.0	123.0	272.0	290.0	145.0	3382.0
1863	31.0	35.0	138.0	274.0	227.0	377.0	178.0	226.0	57.0	24.0	125.0	128.0	1820.0
1864	56.0	18.0	69.0	167.0	423.0	489.0	366.0	382.0	211.0	141.0	112.0	204.0	2638.0
1865	51.0	0.0	65.0	227.0	441.0	399.0	393.0	424.0	244.0	321.0	91.0	111.0	2767.0
1866	22.0	20.0	429.0	172.0	494.0	140.0	404.0	536.0	159.0	122.0	136.0	30.0	2664.0
1867	23.0	51.0	134.0	312.0	561.0	279.0	317.0	333.0	195.0	101.0	98.0	164.0	2568.0
1868	152.0	318.0	108.0	142.0	534.0	569.0	539.0	235.0	398.0	208.0	62.0	308.0	3573.0
1869	112.0	63.0	163.0	77.0	213.0	230.0	518.0	273.0	164.0	173.0	174.0	237.0	2397.0
1870	122.0	78.0	285.0	192.0	241.0	203.0	539.0	141.0	58.0	80.0	97.0	256.0	2472.0
1871	193.0	19.0	330.0	189.0	234.0	210.0	345.0	492.0	153.0	235.0	50.0	109.0	2559.0
1872	56.0	60.0	116.0	154.0	198.0	259.0	230.0	504.0	217.0	265.0	221.0	207.0	2487.0
1873	44.0	23.0	131.0	228.0	347.0	542.0	434.0	177.0	297.0	90.0	13.0	215.0	2541.0
1874	25.0	21.0	107.0	57.0	219.0	517.0	330.0	416.0	253.0	168.0	156.0	16.0	2285.0
1875	164.0	107.0	271.0	115.0	574.0	142.0	336.0	125.0	46.0	96.0	78.0	174.0	2228.0
1876	34.0	128.0	229.0	170.0	378.0	241.0	602.0	373.0	262.0	198.0	71.0	8.0	2694.0
1877	13.0	88.0	121.0	375.0	186.0	237.0	511.0	369.0	294.0	183.0	134.0	61.0	2572.0
1878	19.0	20.0	172.0	338.0	550.0	520.0	411.0	137.0	379.0	311.0	165.0	32.0	3054.0
1879	22.0	57.0	88.0	149.0	326.0	594.0	798.0	642.0	42.0	49.0	95.0	270.0	3132.0
1900	85.1	135.5	350.9	132.3	383.3	447.7	702.7	279.9	317.0	239.3	182.1	12.6	3268.4
1901	40.3	160.4	56.8	179.1	346.6	619.6	549.8	436.3	266.9	57.9	235.0	42.2	2990.9
1902	24.3	104.7	143.3	241.7	601.8	484.6	541.7	232.8	274.3	79.0	162.1	51.2	2941.5
1903	42.3	50.1	58.2	141.1	131.1	535.4	191.7	248.9	238.8	84.1	82.0	125.0	1933.4
1904	28.3	22.3	110.4	308.9	393.0	555.6	783.7	310.6	543.1	206.9	126.8	103.0	3492.6
1905	33.7	7.1	116.5	320.4	223.1	713.5	396.5	520.7	247.5	300.7	34.5	100.3	3014.5
1906	128.3	58.5	127.8	334.6	414.9	481.6	386.9	325.9	283.6	102.6	2.2	73.4	2720.3
1907	60.2	105.2	55.8	17.3	298.2	483.2	359.6	450.2	286.5	247.0	44.3	175.7	2583.2
1908	8.4	25.4	261.9	502.5	645.2	403.1	233.6	492.9	194.1	159.7	123.6	76.3	3126.7
1909	47.2	76.8	22.3	223.0	192.6	260.1	195.6	561.2	73.4	194.8	91.2	72.4	2010.6
1910	120.4	69.3	15.9	154.3	222.2	578.0	432.8	539.8	50.5	42.4	113.5	0.0	2339.1
1911	76.6	27.8	25.7	329.7	411.9	145.3	264.4	348.1	176.9	17.4	221.1	110.1	2155.0
1912	25.6	123.5	48.1	332.1	346.0	360.1	203.8	299.1	57.2	130.5	110.6	72.6	2109.2
1913	6.6	63.1	103.0	431.9	583.2	278.2	657.8	232.5	229.4	81.6	0.6	58.3	2726.2
1914	161.5	10.5	62.7	64.2	511.7	658.4	544.6	260.5	404.1	75.3	202.3	70.2	3026.0
1915	16.0	57.1	48.9	383.2	757.8	384.5	533.7	324.8	158.8	138.2	106.2	67.0	2976.2
1916	64.7	14.6	179.1	144.5	376.7	101.6	281.6	371.8	263.3	53.8	181.3	204.9	2237.9
1917	80.9	81.1	46.6	86.3	145.8	526.0	252.1	242.1	315.2	92.5	82.1	132.2	2082.9
1918	97.8	8.6	209.6	296.2	585.9	350.2	308.4	235.8	233.4	118.7	313.2	20.2	2778.0
1919	37.2	89.3	111.4	302.4	401.4	323.0	459.2	206.6	212.7	53.2	209.7	102.8	2508.9
1920	45.7	9.8	230.7	259.5	661.4	327.9	200.8	289.9	261.9	111.3	218.9	82.1	2699.9
1921	118.5	121.1	64.3	405.6	521.1	409.1	182.3	475.3	119.5	82.7	13.3	327.3	2840.1
1922	67.7	38.3	118.9	54.1	119.6	380.0	914.9	379.1	104.2	106.3	44.6	18.5	2346.2

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1923	12.2	71.0	221.7	85.5	168.7	365.0	280.0	384.8	255.1	158.5	45.0	97.9	2145.4
1924	0.0	96.0	155.5	263.0	220.2	439.2	412.6	145.0	121.1	91.8	36.8	68.9	2050.1
1925	81.5	67.8	80.8	287.6	137.9	386.6	313.7	391.3	641.2	41.7	214.0	129.9	2774.0
1926	118.3	67.3	249.4	203.3	267.9	706.5	271.4	238.5	219.3	159.7	210.5	130.1	2842.2
1927	53.5	84.2	90.5	168.2	224.8	226.3	252.7	335.6	482.4	91.3	58.3	55.9	2123.7
1928	89.2	97.8	257.9	445.1	244.0	601.5	466.9	169.6	98.1	30.2	190.5	246.4	2937.2
1929	198.0	80.0	61.0	225.0	248.0	520.0	334.0	508.0	216.0	113.0	93.0	206.0	2802.0
1930	1.0	18.0	103.0	190.0	266.0	618.0	449.0	256.0	109.0	193.0	229.0	245.0	2677.0
1931	69.0	22.0	53.0	194.0	182.0	337.0	396.0	351.0	126.0	182.0	75.0	34.0	2021.0
1932	69.0	95.0	103.0	527.0	123.0	584.0	552.0	413.0	266.0	195.0	88.0	60.0	3075.0
1933	207.0	77.0	210.0	191.0	212.0	445.0	209.0	364.0	108.0	172.0	146.0	141.0	2482.0
1934	75.0	73.0	204.0	71.0	298.0	553.0	256.0	165.0	210.0	132.0	20.0	48.0	2105.0
1935	37.0	77.0	120.0	104.0	452.0	263.0	75.0	247.0	202.0	145.0	179.0	184.0	2085.0
1936	164.0	33.0	79.0	234.0	580.0	412.0	486.0	289.0	222.0	110.0	31.0	292.0	2932.0
1937	4.0	149.0	197.0	68.0	326.0	475.0	443.0	406.0	116.0	45.0	201.0	25.0	2455.0
1938	42.0	7.0	86.0	98.0	294.0	557.0	393.0	211.0	250.0	158.0	114.0	33.0	2243.0
1939	93.0	118.0	26.0	88.0	539.0	462.0	229.0	308.0	210.0	209.0	30.0	33.0	2345.0
1940	48.0	162.0	56.0	328.0	588.0	470.0	542.0	124.0	156.0	120.0	134.0	168.0	2896.0
1941	0.0	56.0	25.0	227.0	252.0	334.0	548.0	508.0	105.0	150.0	175.0	140.0	2520.0
1942	39.0	79.0	113.0	202.0	203.0	217.0	289.0	370.0	241.0	52.0	46.0	69.0	1920.0
1943	1.0	62.0	127.0	136.0	394.0	236.0	388.0	144.0	262.0	122.0	68.0	2.0	1942.0
1944	16.0	31.0	55.0	74.0	222.8	561.7	337.8	623.2	158.8	484.2	128.2	25.6	2718.3
1945	7.0	80.8	191.1	202.0	574.5	287.7	522.2	463.5	139.9	104.1	167.7	127.6	2868.1
1946	84.9	117.3	78.3	122.2	389.4	232.9	484.0	162.1	290.3	146.3	210.1	67.2	2385.0
1947	116.9	61.7	39.8	104.8	361.5	559.7	117.5	215.8	211.0	67.7	109.3	60.8	2026.5
1948	96.5	4.3	71.8	198.2	260.9	399.1	616.9	199.3	370.5	87.3	17.3	124.6	2446.7
1949	8.6	155.5	237.4	178.7	838.3	783.9	144.4	97.4	92.6	13.4	32.2	82.9	2665.3
1950	1.4	66.5	126.2	286.6	617.2	679.8	280.4	526.1	206.4	104.8	191.6	64.2	3151.2
1951	117.4	66.1	61.4	35.1	1037.0	581.5	451.2	233.5	277.2	99.5	167.3	51.4	3179.2
1952	3.3	67.9	158.9	34.8	334.6	233.2	273.5	312.2	130.4	82.2	71.9	2.5	1705.4
1953	230.9	77.3	117.9	73.1	685.6	352.5	507.4	526.9	496.1	79.8	23.9	72.7	3244.1
1954	37.6	67.0	11.4	229.2	318.2	364.2	531.9	325.5	264.8	118.9	72.9	120.3	2461.9
1955	108.5	85.5	68.4	299.0	119.0	540.1	298.1	277.5	133.8	21.3	72.7	202.3	2226.2
1956	155.6	67.0	219.2	218.1	230.5	268.1	416.2	214.0	199.1	66.5	49.6	9.0	2112.9
1957	76.9	2.5	36.5	72.9	474.1	248.5	432.7	509.3	182.2	117.4	85.0	171.2	2409.2
1958	58.8	30.5	26.3	213.6	581.4	450.1	567.2	279.8	155.5	14.3	211.7	10.9	2601.1
1959	155.1	14.7	199.8	470.8	323.2	213.6	47.7	300.5	281.8	211.5	27.6	11.9	2682.9
1960	93.7	27.0	63.8	130.3	268.8	454.8	572.3	205.3	125.7	196.9	32.6	73.3	2244.5
1961	189.4	28.9	73.3	79.5	672.9	511.5	524.3	495.2	409.9	47.2	52.1	8.8	3093.0
1962	-1.0	0.0	77.7	235.8	99.4	327.0	130.5	542.8	181.4	73.2	215.8	55.0	-1.0
1963	41.9	12.8	114.5	124.9	267.0	290.0	408.4	478.8	285.4	128.0	205.7	43.8	2401.2
1968	6.8	150.0	56.0	144.0	257.0	177.0	288.0	268.0	210.0	166.0	188.0	214.0	2105.0
MIN	0.0	0.0	11.4	17.3	99.4	101.6	75.0	97.4	42.0	13.4	0.6	0.0	1705.4
MAX	232.0	318.0	429.0	531.0	1037.0	834.0	914.9	642.0	641.2	484.2	322.0	327.3	3573.0
PROM	68.7	69.0	127.9	213.4	376.3	427.1	403.2	332.7	216.4	129.3	119.3	102.3	2593.5
DESV	58.5	53.8	82.7	116.8	182.3	168.4	163.3	135.1	109.3	78.6	74.7	80.7	406.5
CV	0.9	0.8	0.6	0.5	0.5	0.4	0.4	0.4	0.5	0.6	0.6	0.8	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 8

HOYA 401 VALDIVIA  
EST 22 CHAN-CHAN  
LAT 3952 LON 7208 ALT 172 (MTS)

SUP 11056 (KM2)

812.

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1945	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	83.1	-1.0
1946	20.7	242.9	145.4	268.2	629.4	304.4	715.8	234.0	224.2	134.1	230.8	103.7	3438.6
1947	205.8	62.6	115.2	150.5	661.7	742.0	184.6	90.5	262.8	39.3	148.4	118.9	2782.3
1948	136.9	19.8	141.9	377.5	432.2	614.2	657.0	297.3	690.1	162.0	39.9	213.8	3782.6
1949	23.8	497.1	379.4	245.1	1146.0	1108.0	377.0	150.3	114.8	38.9	53.8	210.9	4345.8
1950	3.0	88.0	255.6	487.7	623.5	992.4	462.7	674.0	378.2	227.8	284.8	205.2	4682.9
1951	251.4	116.3	192.3	34.1	1114.0	892.2	691.7	333.2	437.1	196.1	227.3	119.7	4605.6
1952	72.5	55.5	377.8	84.7	671.4	288.6	392.0	421.8	277.4	161.5	120.0	28.0	2951.2
1953	120.0	46.0	203.6	80.0	871.0	826.0	370.0	555.0	265.0	123.2	72.5	68.0	3600.3
1954	51.7	360.0	645.5	364.5	517.9	603.0	834.0	507.9	107.0	107.0	45.5	156.0	4300.0
1955	85.0	98.0	37.0	381.0	137.0	368.0	325.0	323.0	160.0	41.0	28.5	561.0	2544.5
1956	496.0	155.0	385.4	80.0	413.9	167.0	578.3	215.0	130.0	92.0	52.0	0.0	2764.6
1957	25.0	2.0	30.0	46.5	581.0	268.5	732.9	387.0	55.0	216.7	126.7	175.0	2646.3
1958	94.0	53.0	14.5	286.0	1000.0	860.7	697.3	389.5	91.2	0.0	121.0	29.0	3636.7
1959	56.5	27.0	172.8	338.0	185.0	355.5	529.3	548.0	526.0	460.6	80.2	35.0	3282.4
1960	107.0	32.0	79.0	229.9	446.1	836.5	1025.0	330.5	219.5	413.0	106.5	175.0	3999.7
1961	323.7	60.2	157.6	158.4	671.6	995.2	821.2	768.1	627.7	131.3	105.2	27.3	4847.5
1962	131.9	0.0	130.3	356.5	104.7	754.4	243.4	994.4	277.0	219.9	346.4	100.3	3659.2
1963	90.2	51.4	263.8	545.8	398.2	832.8	659.0	866.6	602.6	334.9	263.6	121.9	5130.1
1964	149.7	236.2	147.2	148.3	543.3	438.9	365.9	574.8	407.4	179.8	91.7	305.1	3588.3
1965	184.4	332.2	118.7	409.0	378.8	773.3	765.5	735.8	197.8	272.8	454.4	215.2	4837.9
1966	25.8	64.4	200.8	374.6	661.1	759.9	589.9	479.7	161.8	173.7	99.2	517.3	4108.2
1967	172.0	156.0	167.0	90.0	1046.0	434.0	666.0	668.0	353.0	389.0	102.0	93.5	4336.5
1968	30.0	-1.0	173.0	144.0	-1.0	304.0	546.0	481.0	302.0	389.0	-1.0	182.0	-1.0
MIN	3.0	0.0	14.5	34.1	104.7	167.0	184.6	90.5	55.0	0.0	28.5	0.0	2544.5
MAX	496.0	497.1	645.5	545.8	1146.0	1108.0	1025.0	994.4	690.1	460.6	454.4	561.0	5130.1
PROM	124.2	125.3	197.1	247.0	601.5	631.3	575.2	479.4	298.6	195.8	145.5	160.2	3812.3
DESV	114.4	131.0	141.5	149.4	295.4	277.7	209.0	230.5	179.7	128.9	110.5	139.1	774.7
CV	0.9	1.0	0.7	0.6	0.5	0.4	0.4	0.5	0.6	0.7	0.8	0.9	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 8 HOYA 401 VALDIVIA SUP 11056 (KM2)

EST 23 LLANCAHUE

LAT 3952 LON 7311 ALT 85 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1918	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	154.2	174.1	50.2	209.1	13.0	-1.0
1919	29.0	82.2	100.3	229.1	646.8	236.5	374.0	123.5	148.4	43.9	156.7	93.7	2264.1
1920	33.9	11.5	175.4	196.6	553.2	254.7	136.0	203.4	214.0	111.7	193.8	63.4	2147.6
1921	96.0	109.2	72.2	324.7	462.5	319.3	128.8	334.4	111.4	111.1	10.9	245.2	2325.7
1922	49.3	27.2	-1.0	-1.0	-1.0	-1.0	625.0	324.5	108.5	89.0	36.3	-1.0	-1.0
1923	18.5	64.3	151.7	93.3	137.7	303.2	243.4	382.2	208.6	114.2	95.5	47.7	1860.3
1924	4.2	100.7	167.5	202.7	176.6	438.1	368.6	142.8	116.2	100.4	16.3	69.0	1903.1
1925	103.9	70.7	75.7	231.4	139.2	398.4	260.2	265.7	504.7	41.7	161.2	112.9	2365.7
1926	128.7	56.2	258.0	191.9	243.0	575.3	241.6	180.7	185.5	129.6	129.9	110.4	2430.8
1927	35.6	79.5	82.2	152.6	188.7	196.6	392.5	255.8	392.3	93.0	47.3	63.9	1980.0
1928	68.7	73.0	186.6	404.6	160.7	618.5	400.9	103.6	64.6	41.6	169.5	220.6	2512.9
1929	157.0	96.0	71.0	173.0	254.0	384.0	236.0	381.0	244.0	94.0	83.0	181.0	2354.0
1930	2.0	23.0	106.0	178.0	240.0	564.0	338.0	318.0	114.0	178.0	183.0	204.0	2358.0
1931	54.0	32.0	37.0	195.0	180.0	326.0	312.0	318.0	126.0	187.0	55.0	35.0	1857.0
1932	69.0	106.0	113.0	541.0	109.0	501.0	492.0	333.0	231.0	168.0	84.0	46.0	2793.0
1933	196.0	51.0	183.0	175.0	196.0	408.0	209.0	384.0	110.0	166.0	115.0	117.0	2310.0
1934	57.0	80.0	211.0	65.0	284.0	641.0	287.0	211.0	220.0	123.0	14.0	34.0	2227.0
1935	42.0	85.0	114.0	144.0	405.0	496.0	189.0	262.0	192.0	100.0	181.0	188.0	2398.0
1936	80.0	54.0	77.0	186.0	559.0	368.0	393.0	225.0	180.0	60.0	30.0	276.0	2488.0
1937	2.0	142.0	168.0	65.0	328.0	436.0	428.0	335.0	127.0	86.0	166.0	93.0	2376.0
1938	31.0	32.0	137.0	87.0	327.0	485.0	319.0	180.0	192.0	146.0	117.0	29.0	2082.0
1939	137.0	158.0	61.0	61.0	529.0	317.0	181.0	288.0	190.0	195.0	24.0	29.0	2170.0
1940	56.0	149.0	126.0	255.0	499.0	441.0	505.0	106.0	20.9	150.0	122.0	164.0	2782.0
1941	0.0	55.0	31.0	245.0	265.0	252.0	576.0	490.0	105.0	144.0	194.0	185.0	2542.0
1942	47.0	80.0	117.0	235.0	240.0	201.0	296.0	435.0	236.0	76.0	50.0	68.0	2081.0
1943	0.0	77.0	140.0	169.0	348.0	237.0	464.0	189.0	252.8	102.8	120.0	0.0	2099.6
1944	19.0	56.0	104.0	96.0	465.0	567.0	454.0	676.0	149.0	411.1	127.0	17.5	3131.6
1945	20.7	131.6	281.1	174.5	566.1	286.2	546.3	451.7	167.0	98.2	171.9	131.1	3026.4
1946	99.0	140.1	81.2	120.8	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1947	148.4	67.8	67.2	130.7	465.8	594.7	161.9	254.4	231.1	81.9	123.1	76.8	2403.2
1948	102.7	10.2	78.6	212.9	287.1	430.6	592.8	214.9	411.9	98.0	21.7	130.7	2592.1
1949	0.0	147.5	261.8	197.5	714.4	562.2	136.1	73.1	92.3	0.0	27.7	84.1	2296.8
1950	2.9	58.7	178.8	252.6	563.9	525.6	241.1	391.6	223.0	72.7	201.0	67.3	2279.3
1951	108.4	65.1	71.6	18.7	845.7	456.4	371.0	214.7	249.0	76.2	116.5	52.7	2646.0
1952	10.8	72.2	243.2	44.5	282.5	232.4	251.3	279.8	111.9	75.7	67.5	1.4	1673.2
1953	201.5	62.3	107.5	68.1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	10.2	31.0	18.7	109.0	196.6	128.8	73.1	20.9	0.0	10.9	0.0	1673.2
MAX	201.5	158.0	281.1	541.0	845.7	641.0	625.0	676.0	504.7	411.1	209.1	276.0	9131.6
PROM	63.2	77.3	130.5	179.9	364.4	407.9	337.9	276.2	188.4	112.2	106.5	98.5	2336.1
DESV	57.0	39.3	66.0	103.9	187.7	133.5	139.9	126.5	98.1	69.4	63.8	73.5	325.1
CV	0.9	0.5	0.5	0.6	0.5	0.3	0.4	0.5	0.5	0.6	0.6	0.7	0.1

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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 ZONA 8 HOYA 401 VALDIVIA SUP 11056 (KM2)  
 EST 24 NIEBLA  
 LAT 3951 LON 7324 ALT 40 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1901	33.1	86.1	55.8	205.3	302.0	322.0	277.2	192.3	121.0	36.8	128.4	75.4	1835.4
1902	33.4	71.8	149.8	74.1	291.2	240.7	153.6	81.6	103.4	47.6	71.2	0.0	1318.4
1903	28.9	0.0	0.0	105.1	97.2	277.3	250.6	180.2	248.0	61.4	65.8	0.0	1314.5
1913	-1.0	-1.0	-1.0	-1.0	-1.0	282.3	409.2	189.7	205.6	56.1	5.5	49.2	-1.0
1914	133.4	17.5	59.2	74.5	267.6	292.2	329.0	187.0	-1.0	77.3	174.6	-1.0	-1.0
1915	25.2	61.2	64.3	266.8	454.8	324.4	166.3	248.1	147.3	176.4	58.8	51.4	2045.0
1916	53.9	20.5	176.8	-1.0	241.9	75.3	395.2	349.6	139.7	91.9	196.0	205.1	-1.0
1917	76.5	40.5	53.5	103.6	168.9	374.7	261.3	269.5	334.2	139.1	100.7	162.2	2084.7
1918	97.3	15.0	231.6	275.8	604.9	425.6	360.3	441.5	176.6	93.1	203.5	28.6	2953.8
1919	11.2	34.7	150.2	211.2	555.9	286.7	230.0	161.0	113.3	63.8	144.5	98.0	2060.5
1920	44.5	5.1	216.7	222.2	469.2	268.3	142.5	244.7	136.3	64.9	163.8	79.0	2057.2
1921	86.7	81.2	125.1	232.2	380.7	442.5	170.6	390.9	105.7	52.3	11.1	173.0	2252.0
1922	49.9	20.4	79.9	65.7	174.7	176.8	453.8	363.1	174.2	122.5	72.9	53.5	1807.4
1923	24.5	55.5	265.9	143.6	223.0	378.8	393.0	487.8	216.6	191.8	184.2	107.1	2671.8
1924	11.8	93.2	145.3	179.6	183.5	371.8	225.0	141.2	102.3	64.9	53.2	61.3	1633.1
1925	95.6	71.7	83.4	196.3	129.0	206.1	185.4	150.1	295.9	43.3	113.8	87.9	1658.5
1926	57.9	66.0	169.1	109.3	152.3	402.8	203.3	158.1	94.6	136.3	136.8	90.9	1777.4
1927	62.0	35.2	80.8	107.1	186.8	251.2	269.5	321.5	483.4	65.8	63.3	51.7	1978.3
1928	140.6	77.1	288.1	457.8	208.9	598.6	510.8	148.7	17.9	22.7	218.5	338.7	3028.4
1929	208.0	139.0	101.0	286.0	287.0	459.0	239.0	446.0	247.0	127.0	131.0	206.0	2876.0
1930	5.0	24.0	123.0	209.0	224.0	474.0	400.0	248.0	118.0	257.0	122.0	203.0	2407.0
1931	95.0	49.0	36.0	259.0	239.0	206.0	287.0	211.0	109.0	244.0	60.0	47.0	1842.0
1932	117.0	158.0	101.0	382.0	141.0	332.0	526.0	290.0	321.0	161.0	91.0	50.0	2670.0
1933	214.0	89.0	224.0	340.0	252.0	315.0	203.0	329.0	144.0	146.0	201.0	186.0	2643.0
1934	57.0	76.0	239.0	102.0	178.0	524.0	404.0	260.0	277.0	132.0	40.0	52.0	2341.0
1935	69.0	96.0	109.0	106.0	407.0	446.0	178.0	250.0	154.0	145.0	142.0	166.0	2268.0
1936	54.0	64.0	62.0	290.0	470.0	292.0	344.0	288.0	164.0	44.0	31.0	226.0	2329.0
1937	18.0	140.0	190.0	67.0	339.0	365.0	385.0	363.0	104.0	22.0	154.0	23.0	2170.0
1938	53.0	15.0	159.0	154.0	289.0	143.0	211.0	149.0	213.0	194.0	111.0	56.0	1747.0
1939	109.0	111.0	77.0	99.0	421.0	518.0	205.0	272.0	178.0	193.0	38.0	52.0	2273.0
1940	87.0	212.0	148.0	327.0	544.0	566.0	51.0	174.0	229.0	170.0	107.0	139.0	3222.0
1941	0.0	53.0	49.0	139.0	116.0	192.0	43.0	396.0	121.0	216.0	176.0	142.0	2035.0
1942	35.0	36.0	130.0	133.0	233.0	282.0	248.0	384.0	199.0	92.0	32.0	62.0	1866.0
1943	16.0	95.0	99.0	144.0	446.0	264.0	215.0	135.0	231.0	90.0	50.0	9.0	1794.0
1944	18.0	63.0	51.0	87.0	186.7	394.1	196.8	282.5	104.5	367.1	126.4	12.0	1889.1
1945	24.2	77.2	225.1	207.8	364.5	269.4	270.1	264.5	109.0	102.1	77.7	73.3	2064.9
1946	47.2	65.7	77.3	95.9	293.9	191.5	368.9	145.6	237.0	93.6	179.9	69.1	1865.6
1947	174.1	55.1	61.7	103.2	396.9	413.0	171.3	210.1	204.3	56.7	180.5	71.2	2098.1
1948	114.7	22.3	65.8	159.3	216.4	295.9	492.6	155.5	280.3	42.2	3.5	121.0	1969.5
1949	23.5	114.5	138.5	261.5	598.1	545.1	169.0	87.5	79.0	20.0	39.0	64.0	2139.7
1950	7.5	63.5	119.0	285.6	509.0	-1.0	172.0	377.5	171.5	63.5	238.5	67.5	-1.0
1951	81.5	65.5	137.0	64.0	777.5	525.5	395.0	135.5	269.3	73.0	-1.0	48.0	-1.0
1952	4.0	101.0	147.0	110.5	272.5	172.0	289.0	343.5	124.5	72.5	59.0	39.0	1734.5
1953	247.5	51.5	135.5	66.0	-1.0	427.4	339.1	293.4	413.4	93.7	46.9	60.8	-1.0
1954	-1.0	67.1	18.9	309.5	351.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	41.2	-1.0
1955	129.1	81.8	78.6	316.4	169.7	302.4	324.0	197.4	125.3	42.5	39.9	219.3	2026.4
1956	135.0	139.5	174.5	210.0	264.0	354.5	573.0	572.5	197.0	141.0	63.0	16.5	2840.5
1957	121.5	12.5	65.0	98.5	526.3	331.7	328.4	455.6	153.1	130.3	62.8	153.6	2439.3
MIN	0.0	0.0	0.0	64.0	97.2	75.3	142.5	81.6	17.9	3.5	20.0	0.0	1314.5
MAX	247.5	212.0	288.1	457.8	777.5	598.6	573.0	572.5	483.4	367.1	238.5	338.7	3222.0
PROM	72.4	67.9	122.1	183.5	317.5	339.1	303.7	264.3	184.6	109.3	103.7	93.4	2147.0
DESV	59.4	43.4	67.2	97.5	154.1	119.8	115.5	113.6	89.9	71.1	63.2	72.4	441.2
CV	0.8	0.6	0.6	0.5	0.5	0.4	0.4	0.4	0.5	0.7	0.6	0.8	0.2



PRECIPITACIONES (MM)

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 ZONA 8 HOYA 401 VALDIVIA SUP 11056 (KM2)  
 EST 25 PUERTO FUI  
 LAT 3952 LON 7151 ALT 590 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1946	22.2	47.2	193.0	272.0	576.0	353.0	737.0	437.0	540.0	275.2	592.9	158.3	4203.8
1947	367.9	63.2	105.5	165.2	798.7	969.1	416.9	535.3	309.4	148.7	179.3	245.1	4302.3
1948	191.4	61.2	147.9	479.7	499.4	722.9	897.1	324.2	730.9	221.6	121.5	287.9	4685.7
1949	6.4	433.6	442.5	345.6	1175.0	1228.0	274.3	209.8	221.8	50.0	136.3	333.9	4858.0
1950	10.0	158.5	197.1	624.7	986.1	1289.0	715.4	945.8	528.6	319.6	386.6	344.7	6506.7
1951	367.0	214.8	197.2	754.7	43.9	1648.0	646.0	298.1	672.9	302.6	-1.0	304.2	-1.0
1952	79.5	90.6	749.0	1254.0	770.3	309.5	556.2	-1.0	299.6	208.0	174.0	80.0	-1.0
1953	382.7	403.5	81.3	268.3	1390.0	903.4	1117.0	1069.0	838.9	223.0	190.0	48.4	7016.9
1954	199.0	156.4	12.0	487.0	518.0	405.0	331.0	335.0	201.0	210.0	-1.0	248.0	-1.0
1955	112.0	116.0	104.0	329.0	143.0	554.0	297.0	305.0	137.0	37.0	18.3	345.0	2497.5
1956	283.0	115.0	259.0	280.0	308.0	227.0	506.0	265.0	325.0	144.0	98.0	63.0	2813.0
1957	-1.0	10.0	94.0	85.0	568.0	378.0	430.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1958	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1959	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1960	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	607.0	-1.0	264.0	460.0	98.0	130.0	-1.0
1961	252.0	60.0	98.0	91.0	403.6	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1962	160.0	0.0	107.0	318.0	137.0	541.5	140.2	755.7	274.4	90.8	295.9	85.0	2905.5
1963	-1.0	67.3	269.0	560.0	310.0	480.9	566.4	485.3	392.5	246.4	319.0	78.4	-1.0
1964	182.7	215.4	177.9	203.7	469.9	574.8	370.8	601.4	378.0	240.0	227.0	256.2	3897.8
1965	182.0	423.0	86.0	394.5	471.0	986.1	678.0	704.0	223.0	405.0	532.0	261.5	5346.1
1966	55.5	126.0	250.5	358.0	773.5	663.0	677.8	483.5	234.8	266.8	118.3	584.8	4592.5
1967	303.4	107.3	173.3	126.7	788.9	399.0	577.6	641.2	341.3	368.7	169.3	130.6	4127.7
1968	38.1	274.3	250.4	118.9	440.0	391.2	419.4	510.1	414.0	436.3	259.4	318.8	3870.9
1969	88.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	6.4	0.0	12.0	85.0	43.9	227.0	140.2	209.8	137.0	37.0	18.3	48.4	2497.5
MAX	382.7	433.6	749.0	1254.0	1390.0	1648.0	1117.0	1069.0	838.9	460.0	592.9	584.8	7016.9
PROM	172.8	157.2	199.7	375.8	578.5	685.4	548.1	523.8	385.6	244.9	230.3	226.5	4401.7
DESV	125.8	132.5	160.3	275.3	343.9	387.4	228.2	241.4	193.0	120.7	155.0	136.3	****
CV	0.7	0.8	0.8	0.7	0.6	0.6	0.4	0.5	0.5	0.5	0.7	0.6	0.3

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815.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

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*****
*****PRECIPITACIONES (MM)*****
*****
*****ZONA 8*****HOYA 401 VALDIVIA*****SUP 11056 (KM2)*****
*****EST 26 MAFIL*****
*****LAT 3953 LON 7257*****
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*****
*****ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT*****
*****1968 2.8 73.0 29.0 76.0 110.0 99.0 90.0 114.0 72.0 66.0 51.0 112.0 895.0*****
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816.

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PRECIPITACIONES (MM)

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ZONA 8

HOYA 401 VALDIVIA

SUP 11056 (KM2)

EST 27 FDO STA ADELA

LAT 3956 LON 7213

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

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1968 17.0 108.0 186.0 139.0 224.0 250.0 194.0 221.0 315.0 155.0 94.0 259.0 2158.0

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PRECIPITACIONES (MM)

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ZONA 8 HCYA 401 VALDIVIA SUP 11056 (KM2)  
 EST 28 REUMEN PRCP OMC TIPO PV  
 LAT 3958 LON 7249 ALT 610 (MIS)  
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ANC	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1930	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	251.0	142.0	212.0	194.0	244.0	-1.0
1931	71.0	24.0	55.0	214.0	154.0	576.0	525.0	462.0	135.0	232.0	91.0	22.0	2561.0
1932	46.0	95.0	86.0	730.0	201.0	746.0	759.0	488.0	331.0	276.0	94.0	64.0	3516.0
1933	251.0	107.0	113.0	244.0	279.0	443.0	272.0	475.0	99.0	254.0	125.0	181.0	3053.0
1934	36.0	102.0	146.0	124.0	483.0	831.0	364.0	235.0	273.0	142.0	23.0	38.0	2797.0
1935	48.0	96.0	114.0	150.0	541.0	707.0	239.0	424.0	302.0	172.0	156.0	210.0	3159.0
1936	113.0	69.0	129.0	286.0	647.0	527.0	245.0	242.0	265.0	85.0	51.0	208.0	3266.0
1937	5.0	132.0	197.0	48.0	296.0	684.0	498.0	549.0	106.0	27.0	209.0	46.0	2797.0
1938	53.0	11.0	250.0	110.0	448.0	845.0	574.0	188.0	312.0	260.0	244.0	11.0	3306.0
1939	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1940	99.0	205.0	93.0	360.0	623.0	595.0	739.0	61.0	250.0	143.0	169.0	341.0	3678.0
1941	9.0	56.0	18.0	269.0	382.0	474.0	869.0	590.0	129.0	214.0	225.0	140.0	3366.0
1942	27.0	189.0	128.3	199.0	322.2	244.2	421.0	582.0	330.0	122.0	47.0	94.0	2412.7
1943	2.0	44.0	186.0	146.0	321.0	221.0	512.0	243.0	262.0	131.3	56.0	4.0	2128.3
1944	29.0	60.0	80.0	101.0	338.0	337.0	554.0	775.0	274.0	175.0	107.0	16.0	3546.0
1945	31.5	110.9	31.1	212.0	333.0	371.9	737.0	689.4	224.7	119.6	254.8	133.5	4029.0
1946	101.5	127.4	64.5	179.6	556.4	221.5	190.7	178.7	471.5	232.0	363.0	50.5	2737.3
1947	167.6	86.6	72.8	110.2	459.7	767.0	182.0	317.6	-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	272.8	150.1	796.8	533.8	188.8	98.0	113.5	12.5	44.6	68.3	-1.0
1950	3.0	53.8	130.2	212.9	619.7	722.3	220.0	591.2	254.9	92.3	204.8	110.3	3215.4
1951	171.8	7.9	34.7	61.3	1054.0	527.8	530.1	352.4	288.2	-1.0	-1.0	-1.0	-1.0
1952	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	224.4	175.8	-1.0	-1.0	-1.0	-1.0
1953	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	587.8	55.8	-1.0	-1.0	-1.0	-1.0
1954	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1955	78.9	87.1	45.5	222.8	122.6	441.9	167.8	393.0	120.0	17.3	34.9	242.8	1974.8
1956	179.9	64.6	187.3	170.4	181.7	237.4	207.4	277.1	103.9	70.2	30.7	8.3	1818.9
1957	87.9	0.0	0.0	47.4	558.3	162.8	485.7	441.3	172.6	132.5	78.0	80.5	2284.9
1958	48.3	26.5	28.4	198.5	593.1	474.3	617.0	342.5	159.7	225.0	149.2	19.3	2683.1
1959	183.4	30.0	128.2	459.7	257.8	272.4	499.1	184.3	274.2	289.5	17.8	43.3	2639.7
1960	111.5	22.1	77.0	60.2	119.4	245.4	502.0	154.7	152.8	185.5	44.6	96.1	2036.0
1961	154.3	31.2	73.4	64.6	528.3	528.4	504.9	480.6	362.7	50.6	23.4	6.4	2813.0
1962	61.2	16.2	67.5	174.5	57.4	3310.6	155.0	392.8	103.9	66.7	165.1	73.3	1645.2
1963	32.0	14.9	72.2	127.6	168.8	302.1	342.9	371.4	186.1	119.0	135.0	87.1	1959.9
1964	76.0	97.1	30.1	62.9	214.1	135.4	143.0	201.0	156.7	75.8	48.0	231.3	1970.9
1965	92.2	80.2	77.6	263.0	223.0	419.0	588.0	516.7	112.0	227.1	159.5	94.0	2861.5
1966	12.4	2.5	132.1	285.0	256.2	600.0	464.8	158.5	95.9	223.2	101.0	226.5	2498.4
1967	114.0	131.8	104.0	75.9	698.0	237.0	418.0	505.0	266.9	227.0	78.0	54.0	2909.6
MIN	0.0	0.0	18.0	47.4	25.2	135.4	143.1	61.0	55.9	12.5	17.8	4.0	1570.9
MAX	251.0	205.0	313.0	730.0	647.0	845.0	775.0	775.0	555.8	755.0	363.0	344.0	4029.0
PRCP	80.2	70.3	116.9	191.3	411.7	495.1	434.7	378.0	222.0	161.0	120.4	114.4	2760.8
DESV	63.4	52.8	80.3	137.1	245.0	226.0	195.8	174.0	110.0	138.9	84.4	105.9	676.3
CV	0.8	0.8	0.7	0.7	0.6	0.5	0.5	0.5	0.5	0.5	0.7	0.9	0.2

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818.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCORRIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 8 HOYA 401 VALDIVIA SUP 11056 (KM2)  
 EST 29 PIRIHUEICO LAGO  
 LAT 4001 LON 7142 ALT 610 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1939	-1.0	-1.0	-1.0	-1.0	442.9	378.7	286.3	667.1	148.0	272.1	134.0	39.0	-1.0
1940	93.0	87.0	77.0	411.0	476.0	546.0	570.0	48.0	218.0	88.0	221.0	245.0	3080.0
1941	0.0	44.0	45.0	264.0	447.0	456.0	761.0	455.0	62.0	170.0	280.0	199.0	3183.0
1942	40.0	173.0	82.0	213.0	299.0	149.0	246.0	356.0	345.0	74.0	67.0	40.0	2084.0
1943	8.0	88.0	153.0	97.0	339.0	187.0	514.0	199.0	290.0	164.0	106.0	16.0	2061.0
1944	47.0	42.0	67.0	110.5	424.5	700.5	491.0	692.0	281.0	546.0	124.0	24.0	3549.5
1945	20.0	107.0	329.0	178.0	657.0	217.0	665.0	629.0	175.0	73.0	206.0	145.1	3401.1
1946	108.0	174.4	32.0	135.0	440.4	230.0	480.0	244.0	382.0	94.0	340.0	116.0	2775.8
1947	188.0	30.0	41.0	110.0	360.0	879.0	53.0	17.0	233.0	45.0	113.0	44.0	2113.0
1948	115.0	22.0	55.0	199.0	263.0	341.0	443.0	269.0	433.0	120.0	38.0	145.0	2443.0
1949	21.0	228.0	269.0	171.0	862.0	694.0	188.8	79.2	81.9	16.0	36.2	120.5	2767.6
1950	4.0	48.0	101.0	476.0	1336.0	975.3	443.1	604.5	333.5	147.9	289.2	95.0	4854.1
1951	400.0	41.0	137.0	90.0	1641.0	606.0	578.0	356.0	207.0	128.0	181.0	75.0	4440.0
1952	0.0	26.0	303.0	38.0	529.0	188.6	225.0	315.0	70.0	73.0	83.0	15.0	1715.0
1953	243.0	38.0	101.0	170.0	736.0	282.0	471.0	719.0	442.0	56.0	66.0	88.0	3412.0
1954	21.0	21.0	10.0	259.0	344.0	250.0	307.0	176.0	198.0	29.0	8.0	49.0	1672.0
1955	24.0	28.0	28.0	102.0	67.0	283.0	211.0	313.0	77.0	0.0	10.0	505.0	1648.0
1956	194.0	16.0	264.0	210.0	114.0	86.0	164.0	65.0	86.0	51.0	61.0	10.0	1321.0
1957	92.0	4.0	10.0	33.0	25.0	189.0	47.6	400.0	110.0	83.0	55.0	127.0	1175.6
1958	25.0	45.0	20.0	85.0	368.0	355.0	330.0	90.0	80.0	60.0	-1.0	-1.0	-1.0
1959	105.0	-1.0	115.0	480.0	155.0	69.0	97.0	78.0	70.0	80.0	63.0	15.0	-1.0
1960	-1.0	0.0	69.0	65.0	125.0	86.0	325.0	75.0	41.0	141.0	51.0	60.0	-1.0
1961	119.0	23.0	28.0	42.0	222.0	178.0	181.0	201.0	174.0	31.0	26.0	20.0	1245.0
1962	20.0	0.0	43.0	113.0	41.0	107.0	35.0	433.4	73.0	4.0	76.0	40.0	1046.4
1963	36.0	26.0	98.0	151.0	69.0	150.0	202.0	155.0	181.0	-1.0	-1.0	-1.0	-1.0
1964	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1965	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1966	40.0	58.0	212.0	356.0	540.0	644.0	401.0	366.0	111.0	157.0	46.0	352.0	3283.0
1967	45.0	90.0	94.0	20.0	-1.0	236.0	405.0	498.0	350.0	-1.0	77.0	77.0	-1.0
1968	0.0	163.3	123.8	79.1	229.6	148.9	321.5	355.4	57.0	8.6	159.2	-1.0	-1.0
MIN	0.0	0.0	10.0	20.0	25.0	69.0	35.0	17.0	41.0	0.0	8.0	10.0	1046.4
MAX	400.0	228.0	329.0	480.0	1641.0	975.3	761.0	719.0	442.0	546.0	340.0	505.0	4854.1
PROM	77.2	62.4	107.7	172.5	427.9	343.3	337.2	316.3	189.6	104.3	112.2	106.5	2536.7
DESV	92.9	60.6	91.4	129.1	374.3	249.7	189.8	212.1	123.5	109.9	90.3	116.2	****
CV	1.2	1.0	0.8	0.7	0.9	0.7	0.6	0.7	0.7	1.1	0.8	1.1	0.4

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

ZONA 8

HOYA 401 VALDIVIA  
EST 31 HUA-HUA EN LA FRONT  
LAT 4005 LON 7140

SUP 11056 (KM2)

820.

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
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1945	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	155.0	-1.0
1946	108.0	166.0	44.0	135.0	393.0	230.0	480.0	254.0	382.0	94.0	340.0	116.0	2742.0
1947	188.0	30.0	41.0	87.0	378.0	879.0	50.0	15.0	169.0	45.0	113.0	45.0	2040.0
1948	105.0	32.0	47.0	207.0	190.0	414.0	443.0	224.0	472.0	126.0	38.0	145.0	2443.0
1949	13.0	236.0	269.0	157.0	873.0	693.0	192.8	79.2	81.9	16.0	36.2	120.5	2767.6
1950	4.0	48.0	101.0	475.5	912.1	1081.0	443.1	174.6	334.0	127.2	272.2	114.2	4787.8
1951	370.0	71.0	137.0	57.0	164.4	654.0	-1.0	363.0	-1.0	-1.0	-1.0	-1.0	-1.0
1952	0.0	13.4	-1.0	38.0	539.0	-1.0	-1.0	345.0	70.0	73.0	-1.0	15.0	-1.0
1953	245.0	26.0	66.8	170.0	717.5	229.5	382.0	709.0	459.0	50.0	82.0	88.0	3136.8
1954	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	198.0	29.0	-1.0	-1.0	-1.0
1955	-1.0	-1.0	-1.0	77.0	-1.0	-1.0	209.0	313.0	-1.0	0.0	0.0	-1.0	-1.0
1956	-1.0	-1.0	-1.0	-1.0	114.0	101.0	-1.0	65.0	72.0	51.0	61.0	10.0	-1.0
1957	-1.0	-1.0	-1.0	-1.0	137.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1961	-1.0	-1.0	-1.0	70.0	381.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1962	33.0	0.0	52.0	227.0	53.0	160.0	23.0	41.4	149.0	5.0	98.0	67.0	908.4
1963	-1.0	30.0	128.0	194.0	54.0	242.0	241.0	206.0	240.0	73.0	91.0	28.0	-1.0
1964	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1965	59.0	173.0	51.0	54.0	217.0	519.0	292.0	831.0	124.0	216.5	393.0	145.5	3075.0
1966	10.0	33.0	159.0	199.0	416.0	489.0	377.0	320.0	122.0	109.0	49.0	337.0	2620.0
1967	41.0	92.0	94.0	20.0	608.0	243.0	396.0	508.0	340.0	216.0	106.0	48.0	2712.0
1968	17.0	99.0	218.0	133.0	139.5	70.9	190.0	192.1	292.1	165.5	168.8	218.2	1904.1
MIN	0.0	0.0	41.0	20.0	53.0	70.9	23.0	15.0	70.0	0.0	0.0	10.0	908.4
MAX	370.0	236.0	269.0	475.5	912.1	1081.0	480.0	831.0	472.0	216.5	393.0	337.0	4787.8
PROM	91.8	75.0	108.3	143.8	369.8	429.0	286.1	290.0	233.7	87.3	132.0	110.2	2648.8
DESV	112.7	70.7	72.2	110.4	276.9	306.0	149.3	230.0	138.2	68.7	119.7	86.2	949.7
CV	1.2	0.9	0.7	0.8	0.7	0.7	0.5	0.8	0.6	0.8	0.9	0.8	0.4

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCON OS

PRECIPITACIONES (MM)

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ZONA	8	HOYA 401	VALDIVIA	SUP 11056 (KM2)									
		EST 32	PIRIHUEICO										
		LAT 4001	LON 7146										
ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1946	-1.0	166.0	44.0	135.0	393.0	230.0	480.0	254.0	382.0	94.0	340.0	116.0	-1.0
1947	188.0	30.0	41.0	87.0	378.0	879.0	50.0	15.0	169.0	45.0	113.0	45.0	2040.0
1948	105.0	32.0	47.0	207.0	190.0	414.0	443.0	224.0	472.0	126.0	38.0	145.0	2443.0
1949	13.0	236.0	269.0	157.0	873.0	693.0	192.8	79.2	81.9	16.0	36.2	120.5	2767.6
1950	4.0	48.0	101.0	475.5	912.1	1081.0	443.1	874.6	334.0	127.2	272.2	114.2	4787.8
1951	370.0	71.0	137.0	57.0	164.4	654.0	-1.0	363.0	-1.0	-1.0	-1.0	-1.0	-1.0
1952	0.0	13.4	-1.0	38.0	539.0	-1.0	-1.0	345.0	70.0	73.0	-1.0	15.0	-1.0
1953	245.0	26.0	66.8	170.0	717.5	229.5	382.0	709.0	459.0	50.0	82.0	88.0	3224.8
1954	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	198.0	29.0	-1.0	-1.0	-1.0
1955	-1.0	-1.0	-1.0	77.0	-1.0	-1.0	205.0	313.0	-1.0	-1.0	-1.0	-1.0	-1.0
1956	-1.0	-1.0	-1.0	-1.0	114.8	101.0	-1.0	65.0	72.0	51.0	61.0	10.0	-1.0
1957	-1.0	-1.0	-1.0	-1.0	137.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
MIN	0.0	13.4	41.0	38.0	114.8	101.0	50.0	15.0	70.0	16.0	36.2	10.0	2040.0
MAX	370.0	236.0	269.0	475.5	912.1	1081.0	480.0	874.6	472.0	127.2	340.0	145.0	4787.8
PROM	132.1	77.8	100.8	155.9	441.9	535.2	313.7	324.2	248.7	67.9	134.6	81.7	3052.6
DESV	142.2	80.1	82.1	132.3	305.4	347.4	164.2	277.1	165.5	40.2	121.6	51.7	****
CV	1.1	1.0	0.8	0.8	0.7	0.6	0.5	0.9	0.7	0.6	0.9	0.6	0.3

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821.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 8 HOYA 401 VALDIVIA SUP 11056 (KM2)  
 EST 33 PAILLACO D O S  
 LAT 4002 LON 7250  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1927	-1.0	-1.0	-1.0	110.7	191.8	195.0	335.0	243.7	249.4	96.9	46.7	46.3	-1.0
1928	54.5	60.0	151.6	287.9	139.0	330.3	195.0	43.1	96.5	46.9	176.7	103.5	1685.0
1929	150.0	68.0	35.0	102.0	149.0	272.0	151.0	304.0	146.0	48.0	57.0	97.0	1579.0
1930	5.0	0.0	97.0	217.0	130.0	360.0	215.0	214.0	22.0	63.0	110.0	135.0	1568.0
1931	54.0	4.0	9.0	155.0	106.0	302.0	134.0	218.0	45.0	91.0	68.0	25.0	1211.0
1932	9.0	37.0	64.0	249.0	72.0	274.0	392.0	244.0	106.0	33.0	29.0	39.0	1548.0
1933	56.0	42.0	180.0	102.0	98.0	103.4	103.0	131.0	4.0	55.0	42.0	52.0	974.0
1951	-1.0	-1.0	-1.0	10.0	564.0	340.0	223.0	165.0	209.0	37.0	88.0	36.0	-1.0
1952	9.0	39.0	146.0	25.0	187.0	103.0	144.0	130.0	86.0	28.0	-1.0	9.0	-1.0
1953	150.5	31.0	60.0	35.0	352.0	210.0	-1.0	-1.0	292.0	47.0	31.0	51.0	-1.0
1954	18.0	53.0	2.0	200.7	160.3	232.0	250.5	163.0	107.0	90.1	53.0	57.0	1386.6
1955	65.0	58.0	10.0	137.1	62.9	252.0	74.0	164.9	75.6	17.1	36.1	131.9	1084.6
1956	80.4	37.7	123.3	86.0	79.1	84.6	131.7	92.3	67.4	27.6	19.7	5.4	835.2
1957	59.3	0.0	25.0	25.7	215.1	69.8	141.7	191.5	69.5	55.4	27.8	40.6	921.4
1958	46.5	15.5	26.4	82.1	207.0	153.9	161.9	89.8	80.2	12.4	64.3	12.7	952.7
1959	56.4	15.4	43.2	216.7	122.8	134.3	232.1	73.4	159.3	143.0	12.1	12.4	1221.1
1960	64.6	18.7	43.6	34.1	113.0	278.5	197.3	74.1	96.3	104.7	51.5	32.8	1109.2
1961	96.5	24.0	46.4	45.1	314.2	243.9	237.0	190.4	211.9	17.0	15.8	6.9	1449.1
1962	49.7	1.0	29.6	127.3	44.2	199.3	88.5	276.3	82.2	58.7	152.7	97.9	1207.4
1963	43.3	16.6	79.0	135.0	164.5	258.2	240.1	277.4	153.8	143.5	134.4	75.1	1720.9
1964	36.9	88.9	40.1	72.6	236.0	142.5	146.6	259.2	180.9	76.0	67.4	177.1	1524.2
1965	41.4	114.5	49.1	199.0	126.8	340.0	339.6	372.3	37.9	130.5	116.0	61.3	1928.4
1966	27.2	2.8	72.9	186.3	208.3	334.9	300.7	103.5	71.5	75.5	53.5	212.3	1649.4
1967	60.0	69.0	34.0	37.0	454.0	172.0	267.0	333.0	108.0	79.0	44.0	12.0	1669.0
1968	7.4	62.6	39.5	23.8	87.4	135.9	-1.0	-1.0	-1.0	-1.0	-1.0	172.0	-1.0
MIN	5.0	0.0	2.0	10.0	44.2	69.8	74.0	43.1	4.0	12.4	12.1	5.4	835.2
MAX	150.5	114.5	180.0	287.9	564.0	360.0	392.0	372.3	292.0	143.5	176.7	212.3	1928.4
PROM	53.9	37.3	61.2	116.1	183.4	220.9	204.4	189.3	114.9	65.7	65.1	68.0	1361.2
DESV	38.5	30.7	48.0	80.1	123.7	88.8	84.2	90.1	72.2	38.4	44.7	58.6	315.1
CV	0.7	0.8	0.8	0.7	0.7	0.4	0.7	0.5	0.6	0.6	0.7	0.9	0.2

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

\*\*\*\*\*  
ZONA 8 HOYA 401 VALDIVIA SUP 11056 (KM2)  
EST 34 PICHROY AERD VALDIV  
LAT 3937 LON 7304  
\*\*\*\*\*  
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT  
1968 3.7 112.0 36.0 45.0 148.0 124.0 242.0 218.0 125.0 125.0 108.0 147.0 1434.0  
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823.

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*****
PRECIPITACIONES (MM)
*****
ZONA 8 HOYA 401 VALDIVIA SUP 11056 (KM2)
EST 36 EL POTRERO U DE VALD
LAT 3945 LON 7314
*****
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
*****
1968 -1.0 200.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 237.0 248.0 -1.0 271.0 -1.0
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PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 9 HOYA 402 PUELO SUP 9001 (KM2)  
 EST 1 PUELO EN C DE BASILO  
 LAT 4138 LON 7216 ALT 8 (MTS)  
 \*\*\*\*\*  
 ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DJC TOT  
 \*\*\*\*\*  
 1965 197.0 317.2 73.6 318.9 333.8 790.4 612.7 639.4 215.8 446.2 341.1 255.9 4542.0  
 1966 109.9 103.6 241.3 327.1 696.0 739.7 471.5 276.7 255.7 205.3 165.6 554.1 4146.5  
 1967 279.6 97.8 177.7 97.2 834.0 295.9 400.5 660.1 320.0 356.9 262.5 189.1 3971.3  
 1968 70.3 296.3 159.2 147.9 392.1 230.0 1161.0 483.5 393.0 305.5 307.3 370.1 4339.1  
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823.

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PRECIPITACIONES (MM)
*****
ZONA 9 HOYA 402 PUELO SUP 9001 (KM2)
EST 2 RIO PUELO
LAT 4139 LON 7218 ALT 5 (MTS)
*****
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
1946 -1.0 -1.0 -1.0 218.0 356.0 292.0 462.0 312.0 465.0 330.0 546.0 189.0 -1.0
1947 413.0 146.0 104.0 167.0 539.0 661.0 207.0 324.0 252.0 125.0 67.0 254.0 3259.0
1948 177.0 85.0 174.0 269.0 217.0 589.0 413.0 244.0 379.0 230.0 120.0 31.0 2928.0
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826.

PRECIPITACIONES (MM)

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ZONA 9 HOYA 402 PUELO SUP 9001 (KM2) 827.

EST 3 MANSO EN JTA PUELO

LAT 4144 LON 7203 ALT 45 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1964	109.0	225.0	200.5	187.5	575.5	353.5	301.5	425.0	166.5	221.5	117.5	235.5	3118.5
1965	162.0	317.0	57.5	270.0	312.0	609.5	428.5	405.5	172.0	343.0	156.0	243.1	3476.1
1966	56.0	74.5	202.0	212.5	701.5	596.5	328.0	218.0	200.5	194.5	73.5	533.0	3390.5
1967	246.5	105.0	128.5	93.0	572.0	222.5	376.5	537.5	253.5	235.0	176.0	184.5	3130.5
1968	55.0	279.9	133.5	112.0	231.5	202.0	397.4	316.8	303.9	249.3	207.9	279.1	2767.4
MIN	55.0	74.5	57.5	93.0	231.5	202.0	301.5	218.0	166.5	194.5	73.5	184.5	2767.4
MAX	246.5	317.0	202.0	270.0	701.5	609.5	428.5	537.5	303.9	343.0	207.9	533.0	3476.1
PROM	125.7	200.1	144.4	175.0	478.5	396.8	366.4	380.6	219.3	248.7	146.2	295.0	3176.6
DESV	80.7	106.5	60.0	72.9	197.9	197.1	51.5	120.1	58.5	56.5	52.2	137.2	277.7
CV	0.6	0.5	0.4	0.4	0.4	0.5	0.1	0.3	0.3	0.2	0.4	0.5	0.1

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*  
 ZONA 9 HOYA 402 PUELO SUP 9001 (KM2)  
 EST 4 PUELO EN JTA MANSO  
 LAT 4145 LON 7203 ALT 50 (MTS)  
 \*\*\*\*\*  
 ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT  
 \*\*\*\*\*  
 1965 128.9 241.1 46.2 248.2 288.6 584.8 284.7 323.9 166.8 -1.0 -1.0 -1.0 -1.0  
 1966 -1.0 -1.0 207.5 234.0 945.5 618.2 408.5 175.0 211.5 215.2 87.0 475.5 -1.0  
 1967 217.2 105.5 129.1 51.2 673.5 265.5 413.5 633.0 269.5 234.5 165.5 178.0 3336.0  
 1968 78.2 283.1 40.3 118.5 318.7 228.1 461.8 379.8 306.9 253.1 194.2 236.3 2899.0  
 \*\*\*\*\*

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PRECIPITACIONES (MM)
*****
ZONA 9 HOYA 402 PUELO SUP 9001 (KM2)
EST 5 LLANADA GRANDE
LAT 4205 LON 7147 ALT 330 (MTS)
*****
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
*****
1966 17.0 54.0 151.0 210.0 497.0 351.0 232.0 113.0 156.0 149.0 -1.0 -1.0 -1.0
*****

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829.

R

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*****
***** PRECIPITACIONES (MM) *****
*****
***** ZONA 9 HOYA 403 YELCHO SUP 11158 (KM2) *****
***** EST 1 FUTALELFU ENDESA *****
***** LAT 4311 LON 7150 *****
*****
***** ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT *****
***** 1966 40.0 48.0 108.0 126.0 558.0 329.0 303.0 124.0 108.0 90.0 52.0 346.0 2232.0 *****
*****

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830.

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PRECIPITACIONES (MM)

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ZONA 9 HOYA 403 YELCHO SUP 11158 (KM2)

EST 2 FUTALELFU

LAT 4312 LON 7152 ALT 330 (MTS)

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1961	308.0	46.0	106.0	93.0	-1.0	-1.0	401.0	480.0	270.0	119.0	-1.0	-1.0	-1.0
1962	34.0	17.0	92.0	134.0	118.0	263.0	147.0	501.0	209.0	18.0	31.0	80.0	1644.0
1963	104.0	11.0	165.0	315.0	220.0	350.0	189.0	112.0	173.0	35.0	63.0	56.0	1793.0
1964	46.0	178.0	104.0	-1.0	440.0	273.0	-1.0	299.0	195.0	123.0	11.0	130.0	-1.0
1965	83.0	202.0	11.0	172.0	235.0	436.0	266.0	314.0	121.0	246.0	194.0	153.0	2433.0
1966	40.0	43.0	0.0	118.0	541.0	346.0	232.0	132.0	125.0	81.0	5.0	291.0	185.0
1967	156.0	30.0	70.0	21.0	439.0	126.0	291.0	496.0	149.0	123.0	155.0	119.0	2175.0
1968	32.3	177.8	80.0	58.2	177.0	76.7	328.0	172.8	300.1	119.9	152.2	200.9	1875.9
MIN	32.3	11.0	0.0	21.0	118.0	76.7	147.0	112.0	121.0	18.0	5.0	56.0	1644.0
MAX	308.0	202.0	165.0	315.0	541.0	436.0	401.0	501.0	300.1	246.0	194.0	291.0	2433.0
PROM	100.4	88.1	78.5	130.2	310.0	267.2	264.9	313.3	192.8	108.1	87.3	147.1	1984.2
DESV	94.2	82.2	53.3	95.4	160.8	127.7	85.6	164.6	65.2	69.6	78.0	79.1	317.0
CV	0.9	0.9	0.7	0.7	0.5	0.5	0.3	0.5	0.3	0.6	0.9	0.5	0.2

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833.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

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*****
*****PRECIPITACIONES (MM)*****
*****
*****ZONA 9*****
*****HOYA 404 PALENA*****
*****EST 1 ALTO PALENA*****
*****LAT 4337 LON 7147 ALT 226 (MTS)*****
*****
*****
*****ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT*****
*****
1965 -1.0 167.9 4.1 147.2 197.1 391.0 260.6 270.7 98.1 206.5 172.3 105.4 -1.0
1966 21.4 36.5 116.6 98.6 510.6 292.0 214.5 128.6 109.4 90.4 30.9 277.0 1926.5
1967 94.8 26.2 61.7 28.1 345.3 129.0 222.0 333.1 109.5 82.2 109.4 70.4 1611.7
1968 53.6 146.9 91.5 36.7 111.7 78.4 262.2 176.3 293.7 83.0 76.9 190.8 1601.7
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SUP 14581 (KM2)

PRECIPITACIONES (MM)

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ZONA 9

HOYA 404 PALENA SUP 14581 (KM2)

EST 2 ALTO PALENA METEOROLOGICO

LAT 4347 LON 7257

833.

\*\*\*\*\*

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

\*\*\*\*\*

1968 52.1 143.8 97.0 25.3 114.2 88.4 251.8 153.9 308.5 86.2 91.6 180.7 1593.5

\*\*\*\*\*

PRECIPITACIONES (MM)													
ZCNA	9		HCYA 405		CISNES		SLP		6620 (KM2)				
			EST 1		FIC CISNES		FRCP		DMC		TIPC MT		
			LAT 4432		LCN 7124		ALT		7 (MTS)				
ANC	ENE	FEB	MAR	APR	MAY	JUN	JUL	AG	SEPT	OCT	NOV	DIC	TCT
1958	7.0	10.0	8.2	60.0	142.0	49.0	260.0	59.0	43.0	0.0	56.0	104.0	758.2
1959	19.0	26.0	127.0	57.0	66.0	24.0	29.0	269.0	74.0	25.0	3.0	0.0	729.0
1960	24.0	24.0	18.0	-1.0	42.0	-1.0	142.0	-1.0	-1.0	50.0	-1.0	24.0	-1.0
1961	60.0	35.0	19.0	11.0	42.0	76.0	54.0	49.0	15.0	7.0	-1.0	3.0	-1.0
1962	3.0	3.0	35.0	55.0	45.0	68.0	64.0	118.0	44.0	0.0	23.0	-1.0	-1.0
1963	13.0	13.0	36.0	106.0	41.0	108.0	21.0	50.0	21.0	22.0	10.0	14.0	455.0
1964	6.0	28.0	22.0	29.0	53.0	18.0	35.0	45.0	39.0	16.0	1.0	32.0	324.0
1965	8.0	28.0	0.0	38.0	79.0	74.0	85.0	51.0	14.0	33.0	29.0	16.0	455.0
1966	2.8	1.7	32.0	29.0	139.0	76.0	60.0	16.0	10.0	25.0	9.1	27.0	427.6
1967	18.0	3.8	12.0	8.4	128.0	37.0	102.0	106.0	13.0	8.8	17.0	10.0	465.0
1968	24.7	26.2	8.5	12.0	49.1	6.2	50.4	59.9	139.8	23.2	11.6	33.7	445.3
MIN	2.8	1.7	0.0	8.4	41.0	6.2	21.0	16.0	10.0	0.0	1.0	0.0	324.0
MAX	60.0	35.0	127.0	106.0	142.0	108.0	260.0	269.0	139.8	50.0	56.0	104.0	758.2
PRCM	16.9	18.1	28.9	40.5	75.1	53.6	82.2	82.3	41.2	20.0	17.7	26.4	507.4
DESV	16.4	12.0	34.6	30.1	41.1	32.1	68.7	72.0	40.0	15.6	16.9	29.6	152.7
CV	1.0	0.7	1.2	0.7	0.5	0.6	0.8	0.9	1.0	0.8	1.0	1.1	0.3

834.

NOTA: VALORES NEGATIVOS INDICAN DATOS ESCENCIENTES

PRECIPITACIONES (MM)

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ZONA 9 HOYA 405 CISNES SUP 6520 (KM2)  
 EST 2 PUERTO CISNES  
 LAT 4449 LON 7238

835.

\*\*\*\*\*

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1943	187.0	351.0	371.0	245.0	-1.0	450.0	433.0	-1.0	-1.0	-1.0	-1.0	297.0	-1.0
1944	55.0	213.3	-1.0	-1.0	-1.0	704.2	403.8	-1.0	746.3	-1.0	-1.0	-1.0	-1.0
1945	-1.0	235.8	450.3	574.3	658.6	476.8	617.9	680.4	272.0	629.4	475.3	294.4	-1.0
1946	325.9	-1.0	112.1	252.6	522.2	348.6	390.5	473.6	450.3	410.7	641.9	312.6	-1.0
1947	519.1	423.4	266.7	214.5	713.6	535.4	303.8	548.0	328.1	349.9	284.4	314.0	4801.1
1948	357.4	192.4	398.8	388.1	767.4	784.2	381.5	347.6	364.9	252.9	132.3	569.8	4937.3
1949	281.7	345.0	593.0	512.9	571.5	755.9	374.4	327.6	260.2	93.8	289.2	311.9	4717.1
1950	169.4	388.8	688.4	424.9	618.9	565.4	777.6	400.1	173.0	299.8	293.8	485.0	5285.1
1951	335.4	164.6	391.9	-1.0	643.3	457.9	342.6	222.0	-1.0	-1.0	704.3	240.0	-1.0
1952	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1953	-1.0	-1.0	-1.0	-1.0	766.5	436.7	479.1	-1.0	-1.0	-1.0	256.8	-1.0	-1.0
1965	324.0	-1.0	98.0	404.0	386.0	620.0	346.0	566.0	258.0	477.0	384.0	-1.0	-1.0
1966	156.0	95.0	241.0	246.0	821.0	432.0	370.0	456.0	-1.0	297.0	-1.0	-1.0	-1.0
MIN	55.0	95.0	98.0	214.5	386.0	348.6	303.8	222.0	173.0	93.8	132.3	240.0	4717.1
MAX	519.1	423.6	688.4	574.3	821.0	784.2	777.6	680.4	746.3	629.4	704.3	569.8	5285.1
PROM	271.1	267.7	361.1	362.5	646.9	547.3	435.0	446.8	356.6	351.3	384.7	353.1	4935.1
DESV	131.8	112.9	190.3	130.0	130.7	140.6	134.9	139.9	177.8	159.6	188.4	112.5	250.3
CV	0.5	0.4	0.5	0.4	0.2	0.3	0.3	0.3	0.5	0.5	0.5	0.3	0.1

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 9

HOYA 406 AYSEN  
EST 1 PTO AYSEN D O S  
LAT 4524 LON 7242 ALT 10 (MTS)

SUP 11953 (KM2)

836.

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1931	206.0	269.0	99.0	179.0	235.0	277.0	244.0	171.0	135.0	398.0	127.0	203.0	2543.0
1932	241.0	209.0	393.0	556.0	302.0	326.0	376.0	164.0	241.0	285.0	215.0	252.0	3560.0
1933	313.0	390.0	313.0	287.0	471.0	387.0	294.0	462.0	244.0	252.0	167.0	70.0	3650.0
1934	205.0	170.0	212.0	145.0	242.0	111.0	481.0	281.0	97.0	138.0	28.0	32.0	2142.0
1935	246.0	202.0	250.0	161.0	366.0	352.0	192.0	276.0	166.0	175.0	416.0	395.0	3197.0
1936	238.0	89.0	262.0	242.0	183.0	278.0	423.0	210.0	223.0	79.0	48.0	331.0	2606.0
1937	25.0	331.0	331.0	254.0	367.0	544.0	358.0	285.0	152.0	149.0	311.0	184.0	3291.0
1938	281.0	107.0	363.0	182.0	385.0	352.0	333.0	324.0	213.0	257.0	462.0	226.0	3485.0
1939	269.0	255.0	179.0	191.0	260.0	317.0	350.0	397.0	105.0	223.0	84.0	96.0	2726.0
1940	283.0	212.0	256.0	347.0	350.0	342.0	317.0	160.0	172.0	61.0	220.0	205.0	2925.0
1941	44.0	130.0	107.0	221.0	217.0	251.0	222.0	308.0	231.0	172.0	255.0	329.0	2487.0
1942	219.0	231.0	257.0	326.0	214.0	165.0	270.0	303.0	208.0	124.0	132.0	223.0	2672.0
1943	88.0	180.0	247.0	104.0	364.0	179.0	194.0	69.0	283.0	387.0	127.0	69.0	2291.0
1944	14.0	106.0	102.0	114.0	226.4	188.0	182.0	313.0	406.0	368.0	142.0	100.0	2261.4
1945	80.9	112.7	304.8	426.5	353.9	222.2	372.0	363.5	183.9	343.2	233.3	172.0	3168.9
1946	193.1	211.6	48.3	264.6	350.1	107.8	232.3	237.8	163.0	238.0	372.0	196.4	2615.0
1947	345.2	251.7	129.4	123.6	316.0	198.9	165.0	312.8	253.9	175.1	112.6	179.8	2564.0
1948	158.2	150.7	209.9	184.9	376.8	506.1	165.9	177.0	119.8	157.5	58.0	316.0	2580.8
1949	185.3	286.0	409.0	258.5	362.4	328.7	253.9	182.4	186.0	42.1	142.8	189.3	2826.4
1950	86.5	262.9	521.2	244.0	328.8	472.1	329.5	308.2	90.0	110.1	144.2	357.5	3255.0
1951	194.2	78.9	178.9	146.3	487.9	331.4	183.8	430.2	269.2	246.0	392.0	61.7	3000.5
1952	227.9	135.5	419.6	211.6	348.9	55.0	217.4	214.1	241.7	194.7	136.0	21.7	2424.1
1953	405.0	229.1	379.4	126.8	435.5	337.7	337.0	356.3	247.9	123.4	97.5	89.2	3164.8
1954	116.9	180.0	94.6	164.5	162.4	113.6	426.9	396.2	198.0	175.9	168.7	234.0	2431.7
1955	117.3	240.6	109.4	330.1	89.9	205.2	202.3	215.6	127.0	47.9	98.5	448.6	2232.4
1956	229.1	121.7	194.7	113.5	151.3	271.7	247.1	263.7	230.1	213.9	105.9	152.2	2294.9
1957	278.8	164.0	403.2	87.0	443.6	179.1	533.4	707.8	308.8	315.9	243.2	412.1	4076.9
1958	342.8	174.0	128.0	387.7	611.7	283.81	1069.0	659.8	201.8	214.3	378.9	213.9	4666.5
1959	289.8	457.2	499.3	288.1	453.2	268.6	254.6	535.3	311.1	416.2	166.2	142.3	4081.9
1960	212.6	293.3	132.6	281.8	436.9	360.7	500.0	360.9	348.9	415.2	345.8	291.5	3980.2
1961	347.3	167.3	289.5	145.6	228.9	301.0	16.0	241.3	202.2	224.4	185.3	120.7	2623.4
1962	114.7	35.1	158.1	289.9	176.4	461.8	23.0	342.2	184.2	81.8	141.1	200.3	2419.5
1963	181.0	73.6	268.4	557.5	325.4	369.7	398.9	178.4	200.1	67.8	219.1	321.4	3161.3
1964	192.0	262.0	271.0	259.0	403.0	121.0	252.0	318.0	213.0	139.0	24.0	269.0	2723.0
1965	232.0	281.0	44.0	313.0	316.0	447.0	261.0	354.0	156.0	266.0	443.0	181.0	3294.0
1966	99.0	53.0	223.0	134.0	755.0	286.0	366.0	198.0	168.0	152.0	303.0	300.0	3037.0
1967	219.0	158.0	123.0	164.0	512.0	200.0	388.0	417.0	175.0	156.0	276.0	277.0	3065.0
MIN	14.0	35.1	44.0	87.0	89.9	55.0	165.0	69.0	90.0	42.1	24.0	21.7	2142.0
MAX	405.0	457.2	521.2	557.5	755.0	544.0	1069.0	707.8	406.0	416.2	462.0	448.6	4666.5
PROM	203.3	196.2	240.8	238.1	340.8	283.7	318.8	310.6	206.9	205.0	203.3	212.5	2960.1
DESV	94.5	92.0	123.9	114.2	132.7	117.6	160.6	132.7	68.7	105.8	120.2	108.1	595.9
CV	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.3	0.5	0.6	0.5	0.2

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

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PRECIPITACIONES (MM)
*****
ZONA 9 HOYA 406 AYSEN SUP 11953 (KM2)
EST 2 PTO AYSEN ENDESA
LAT 4524 LON 7242
*****
ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT
*****
1968 115.4 353.2 148.5 113.4 202.0 179.1 379.7 266.8 346.9 183.5 242.2 301.0 2831.7
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7

PRECIPITACIONES (MM)

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ZONA 9 HOYA 406 AYSEN SUP 11953 (KM2)

EST 3 COYHAIQUE ALTO

LAT 4527 LON 7135 ALT 771 (MTS)

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AND	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1929	4.6	3.2	2.6	19.0	9.1	13.7	18.1	7.0	10.3	7.5	13.2	7.3	115.6
1930	2.9	0.5	11.7	2.9	14.9	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1962	13.0	3.0	14.5	29.5	19.5	89.0	79.0	87.5	49.5	-1.0	19.5	-1.0	-1.0
1963	28.0	7.0	60.5	142.5	41.5	122.5	31.0	0.0	17.0	36.0	12.0	30.0	528.0
1964	19.0	31.0	37.0	17.0	58.0	14.0	23.0	33.0	23.0	12.0	0.0	35.0	302.0
1965	20.0	16.0	0.0	62.0	47.0	43.5	38.0	37.0	22.0	19.5	32.0	6.0	343.0
1966	4.0	7.0	23.0	21.0	219.0	35.0	81.0	6.0	9.0	11.0	7.0	13.0	465.0
1967	31.0	2.0	29.0	25.0	117.0	11.0	16.0	20.0	9.0	11.0	5.0	16.0	292.0
1968	17.0	20.0	45.0	0.0	33.0	14.0	42.5	33.0	42.0	7.5	2.0	33.5	289.5
MIN	2.9	0.5	0.0	0.0	9.1	11.0	16.0	0.0	9.0	7.5	0.0	6.0	115.6
MAX	31.0	31.0	60.5	142.5	219.0	122.5	81.0	87.5	49.5	36.0	32.0	35.0	528.0
PROM	15.5	10.0	24.8	35.4	62.1	42.8	41.1	27.9	22.7	14.9	11.3	20.1	333.6
DESV	10.3	10.3	20.1	43.9	67.1	41.5	25.7	27.9	15.4	10.1	10.5	12.4	133.8
CV	0.7	1.0	0.8	1.2	1.1	1.0	0.6	1.0	0.7	0.7	0.9	0.6	0.4

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

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*****
ZONA 9 HOYA 406 AYSEN SUP 11953 (KM2)
EST 4 PTO CHACABUCO
LAT 4529 LON 7250 ALT 8 (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 -1.0 253.8 427.9 220.3 251.9 459.2 106.8 -1.0
1966 106.2 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 216.5 184.0 75.7 309.2 -1.0
1967 -1.0 -1.0 126.0 100.0 458.2 268.4 371.5 399.9 199.7 -1.0 -1.0 -1.0 -1.0
1968 218.2 382.1 123.3 134.6 246.2 169.5 429.9 275.6 383.2 158.9 294.8 318.3 3134.6
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PRECIPITACIONES (MM)

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ZONA 9 HOYA 406 AYSEN SUP 11953 (KM2)

EST 5 COYHAIQUE BAJO

LAT 4532 LON 7140 ALT 140 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1920	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	67.2	132.2	64.6	91.8	57.1	70.4	-1.0
1921	95.7	51.2	29.8	136.6	194.0	192.8	93.6	292.3	62.1	5.5	42.7	173.9	1370.2
1922	6.9	52.8	69.4	25.2	27.4	107.7	101.1	173.0	91.3	4.8	21.3	20.6	1711.5
1923	45.1	126.5	249.9	121.8	72.9	88.0	80.6	68.3	38.4	36.5	78.8	44.6	1051.4
1924	3.8	44.6	94.4	97.0	184.9	248.1	105.6	169.7	33.3	23.7	26.3	79.3	1110.7
1925	64.7	78.1	67.5	206.4	71.7	278.3	50.0	256.5	217.4	29.4	55.3	41.7	1417.0
1926	105.8	44.5	111.0	75.3	136.5	56.8	107.0	38.1	28.1	48.1	204.0	128.5	1075.7
1927	75.5	38.2	69.3	240.3	131.2	87.2	54.1	135.0	50.8	6.3	36.2	24.0	948.1
1928	54.8	33.6	91.8	117.3	53.2	241.3	113.2	219.7	29.6	7.2	63.3	230.0	1255.0
1929	45.6	31.6	25.9	190.0	91.7	121.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1968	-1.0	90.5	53.5	15.0	68.0	33.1	139.7	80.7	170.8	24.9	22.9	67.6	766.7
MIN	3.8	31.6	25.9	15.0	27.4	33.1	50.0	38.1	28.1	4.8	21.3	20.6	766.7
MAX	105.8	126.5	249.9	240.3	194.0	278.3	139.7	292.3	217.4	91.8	204.0	230.0	1711.5
PROM	55.3	59.2	86.2	122.5	103.1	145.5	91.2	156.5	78.6	27.8	60.8	88.1	1189.6
DESV	35.1	30.3	63.5	74.2	56.1	87.4	28.2	82.6	64.8	26.9	53.7	68.8	282.1
CV	0.6	0.5	0.7	0.6	0.5	0.6	0.3	0.5	0.8	1.0	0.9	0.8	0.2

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840.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

\*: Valor anual año 1968 ha sido estimado.

PRECIPITACIONES (MM)

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ZONA 9 HOYA 406 AYSEN SUP 11953 (KM2)

EST 6 BALMACEDA

LAT 4554 LON 7143 ALT 520 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1953	151.6	45.0	102.7	93.5	-1.0	107.6	97.6	85.6	57.4	7.6	-1.0	8.0	-1.0
1954	19.0	31.2	55.4	25.2	51.3	31.3	98.4	135.9	49.8	20.2	22.2	30.6	570.5
1955	63.0	51.8	30.5	144.9	107.2	59.0	156.3	31.4	22.6	3.4	11.6	173.6	855.3
1956	50.8	15.5	9.5	26.8	19.0	69.3	54.2	37.0	71.8	15.5	5.4	4.3	379.1
1957	23.6	7.8	11.7	33.1	84.9	20.9	51.7	64.9	30.1	7.1	17.1	7.4	360.3
1958	17.8	2.1	0.8	37.8	116.2	40.2	190.1	77.9	9.6	15.5	30.4	41.3	579.7
1959	23.6	50.7	86.9	7.9	50.6	16.2	33.8	114.6	49.3	53.9	2.0	9.2	498.7
1960	1.1	37.7	2.9	1.1	67.1	112.6	88.2	26.6	26.4	60.2	36.7	8.8	469.4
1961	64.6	8.7	22.7	15.0	65.8	72.1	44.4	44.2	23.2	15.6	0.8	17.5	394.6
1962	13.1	0.2	20.1	31.4	42.9	159.2	52.2	95.7	49.3	0.8	15.9	29.4	510.2
1963	36.8	3.3	60.3	183.7	80.5	188.8	68.0	55.7	54.8	22.5	12.8	67.1	834.3
1964	17.0	51.3	67.4	35.7	149.5	17.7	41.6	84.8	48.9	25.8	0.6	49.3	589.6
1965	40.3	57.5	7.1	84.0	117.7	185.7	129.3	93.8	40.5	54.2	123.4	18.4	951.9
1966	0.0	16.2	49.1	36.2	344.5	113.2	208.0	32.4	28.3	18.2	25.5	30.3	901.9
1967	28.0	4.1	24.0	30.0	168.0	55.0	105.0	94.0	30.0	57.0	29.0	39.0	653.1
1968	16.3	49.8	39.6	5.3	38.2	29.1	112.5	82.4	149.6	18.6	21.5	36.6	599.5
MIN	0.0	0.2	0.8	1.1	19.0	16.2	33.8	26.6	9.6	0.8	0.6	4.3	360.3
MAX	151.6	57.5	102.7	183.7	344.5	188.8	208.0	135.9	149.6	60.2	123.4	173.6	951.9
PROM	35.4	27.1	36.9	49.5	100.2	79.9	95.7	72.3	46.3	24.8	23.7	35.7	609.9
DESV	36.4	21.7	30.8	51.7	79.6	58.6	53.2	32.1	31.9	20.0	29.8	40.8	193.0
CV	1.0	0.8	0.8	1.0	0.8	0.7	0.6	0.4	0.7	0.8	1.3	1.1	0.3

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841.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONCCIDOS

PRECIPITACIONES (MM)

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ZONA 9 HOYA 406 AYSEN SUP 11953 (KM2) 842.

EST 7 COYHAIQUE

LAT 4534 LON 7133 ALT 275 (MTS)

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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	47.0	19.0	7.0	24.0	-1.0
1943	23.0	6.0	44.0	28.0	124.0	50.0	75.0	20.0	103.0	45.0	0.0	8.0	526.0
1944	8.0	19.0	41.8	81.8	63.6	171.7	80.8	72.5	112.2	99.2	21.8	12.1	783.6
1945	7.6	60.9	126.5	121.7	249.9	115.8	88.6	130.0	54.4	123.9	39.3	28.1	1146.7
1946	19.1	62.2	17.2	75.0	210.1	43.5	156.3	92.2	48.3	81.8	157.7	26.3	987.7
1947	38.2	93.0	40.7	14.5	96.1	74.0	42.7	42.9	39.2	52.9	20.2	44.9	599.3
1948	20.2	32.1	48.3	48.7	165.6	159.2	71.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1950	21.1	75.0	194.1	30.8	134.3	70.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1961	162.4	77.7	77.0	44.4	150.8	206.0	119.6	125.0	83.3	56.0	47.8	47.0	1197.0
1962	51.4	1.8	111.0	162.0	147.4	358.7	169.3	257.4	71.0	0.0	32.0	154.3	1516.3
1963	58.1	6.2	178.8	475.0	181.0	366.0	88.2	121.1	145.0	53.0	53.6	231.4	1914.9
1964	73.1	150.4	20.5	125.3	423.0	81.4	217.5	268.0	95.5	99.3	0.0	137.7	1691.7
1965	113.0	270.8	22.5	280.7	305.5	347.6	148.7	260.0	75.0	110.2	197.2	85.0	2216.2
1966	20.0	48.0	135.5	55.0	914.0	239.0	684.0	61.8	76.6	74.3	47.0	126.3	2481.0
1967	131.0	40.0	60.0	81.0	388.0	124.0	171.0	216.0	97.0	55.0	159.0	96.0	1618.0
1968	88.0	184.0	50.8	39.6	143.8	63.1	241.7	172.1	322.3	73.4	87.7	135.8	1602.3
MIN	7.6	1.8	17.2	14.5	63.6	43.5	42.7	20.0	39.2	0.0	0.0	8.0	526.0
MAX	162.4	270.8	194.1	475.0	914.0	366.0	684.0	268.0	322.3	123.9	197.2	231.4	2481.0
PROM	55.6	75.1	77.9	110.9	246.5	164.7	168.2	141.5	97.8	67.4	62.2	82.6	1406.2
DESV	48.4	74.8	57.5	121.4	211.4	115.0	159.6	86.0	70.8	34.5	64.1	66.8	601.9
CV	0.9	1.0	0.7	1.1	0.9	0.7	0.9	0.6	0.7	0.5	1.0	0.8	0.4

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 9 HOYA 407 BAKER SUP 27931 (KM2)  
 EST 1 PTO IBAÑEZ  
 LAT 4617 LON 7156

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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	-1.0	-1.0	-1.0	-1.0	-1.0	15.0	-1.0
1962	16.0	7.0	27.0	38.5	48.5	211.5	36.0	-1.0	47.0	2.0	16.0	38.5	-1.0
1963	41.5	11.0	101.8	196.1	100.5	145.5	191.5	109.5	72.0	25.5	22.5	107.0	1124.4
1964	14.5	75.5	42.0	39.5	150.0	10.0	86.0	74.5	46.0	-1.0	0.0	50.5	-1.0
1965	34.0	60.0	6.5	93.5	81.0	111.5	107.5	73.0	19.5	12.0	144.5	10.5	753.5
1966	11.0	6.5	47.5	25.5	244.0	53.5	156.0	27.5	25.0	9.0	16.5	5.5	627.5
1967	42.5	5.5	11.5	22.5	147.0	38.0	116.0	100.5	25.0	66.5	24.0	225.0	824.0
1968	8.0	49.5	35.0	7.0	72.3	38.8	101.2	85.9	171.5	29.6	39.1	20.8	658.7
MIN	8.0	5.5	6.5	7.0	48.5	10.0	36.0	27.5	19.5	2.0	0.0	5.5	627.5
MAX	42.5	75.5	101.8	196.1	244.0	211.5	191.5	109.5	171.5	66.5	144.5	225.0	1124.4
PROM	23.9	30.7	38.8	60.4	120.5	87.0	113.5	78.5	58.0	24.1	37.5	59.1	797.6
DESV	14.9	30.0	31.6	65.7	66.2	72.2	49.7	28.8	53.2	23.2	48.6	74.6	198.5
CV	0.6	1.0	0.8	1.1	0.5	0.8	0.4	0.4	0.9	1.0	1.3	1.3	0.2

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843.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 9 HOYA 407 BAKER SUP 27931 (KM2) 844.

EST 3 CHILE CHICO

LAT 4632 LON 7144 ALT 215 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1963	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	26.5	8.9	17.7	-1.0
1964	6.0	12.0	20.0	22.0	40.0	0.0	24.0	15.0	18.2	-1.0	-1.0	-1.0	-1.0
1965	5.0	0.0	-1.0	80.4	43.1	63.7	62.4	-1.0	8.5	8.3	41.3	-1.0	-1.0
1966	1.0	6.8	35.7	18.5	148.3	51.7	67.0	34.0	2.5	8.0	14.5	0.0	388.0
1967	16.0	0.0	8.3	12.5	55.7	19.7	44.2	51.4	7.1	87.8	4.6	-1.0	-1.0
1968	0.0	0.0	2.4	0.0	1.5	2.7	43.2	24.3	54.0	1.0	2.0	5.0	136.1
MIN	0.0	0.0	2.4	0.0	1.5	0.0	24.0	15.0	2.5	1.0	2.0	0.0	136.1
MAX	16.0	12.0	35.7	80.4	148.3	63.7	67.0	51.4	54.0	87.8	41.3	17.7	388.0
PROM	5.6	3.8	16.6	26.7	57.7	27.6	48.2	31.2	18.1	26.3	14.3	7.6	262.0
DESV	6.3	5.5	14.7	31.2	54.5	28.8	17.2	15.6	20.9	35.6	15.8	9.1	178.1
CV	1.1	1.5	0.9	1.2	0.9	1.0	0.4	0.5	1.2	1.4	1.1	1.2	0.7

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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ZONA 9

HOYA 407 BAKER

SUP 27931 (KM2)

845.

EST 4 GRAL CARRERA EN CH CHICO  
LAT 4636 LON 7143 ALT 212 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1954	0.0	0.0	11.0	7.8	18.0	0.7	17.3	18.6	19.0	4.0	0.0	4.0	110.4
1955	23.0	0.0	2.0	21.0	35.8	20.6	61.4	0.0	6.0	0.0	0.0	1.0	170.8
1956	0.0	0.0	0.0	9.9	1.0	10.0	8.2	7.0	21.0	1.0	0.0	0.0	58.1
1957	0.0	0.0	6.0	3.0	21.0	23.0	38.0	25.0	12.0	6.0	5.0	0.0	139.0
1958	0.0	0.0	0.0	4.0	47.0	7.5	43.1	29.2	7.7	6.9	24.4	25.6	195.4
1959	9.1	18.0	36.2	13.7	13.3	5.0	20.5	67.3	21.6	31.0	0.0	0.0	235.7
1960	0.0	16.0	4.9	0.0	71.4	29.9	25.1	7.1	10.4	0.6	4.0	3.5	172.9
1961	7.3	10.6	3.1	4.1	15.2	55.8	80.6	31.5	13.5	5.1	0.0	1.0	227.8
1962	0.0	8.1	5.5	9.4	10.5	88.6	20.6	42.9	16.1	0.0	6.6	3.7	212.0
1963	10.7	2.2	22.4	85.2	24.9	78.0	92.1	85.8	70.3	30.9	13.9	10.8	526.3
1964	0.0	8.5	28.5	10.0	43.3	2.2	15.5	31.2	14.6	4.4	0.0	13.5	143.2
1965	7.9	7.0	0.0	68.9	46.6	54.0	60.3	63.4	6.6	4.4	47.4	4.1	370.6
1966	0.0	2.2	10.0	22.2	181.9	83.8	80.8	23.7	5.0	6.1	6.2	0.0	421.9
1967	4.4	0.0	5.3	3.4	48.0	25.0	57.0	62.0	6.5	66.0	1.0	1.3	279.9
MIN	0.0	0.0	0.0	0.0	1.0	0.7	8.2	0.0	5.0	0.0	0.0	0.0	58.1
MAX	23.0	18.0	36.2	85.2	181.9	88.6	92.1	85.8	70.3	66.0	47.4	25.6	526.3
PROM	4.5	5.2	9.6	18.8	41.3	34.6	44.3	35.3	16.4	11.9	7.7	4.9	233.1
DESV	6.7	6.3	11.4	25.7	44.8	31.5	27.8	25.7	16.5	18.6	13.4	7.2	128.5
CV	1.5	1.2	1.2	1.4	1.1	0.9	0.6	0.7	1.0	1.6	1.7	1.5	0.6

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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 ZONA 9 HOYA 407 BAKER SUP 27931 (KM2) 846.  
 EST 5 PTO CRISTAL  
 LAT 4638 LON 7222 ALT 25 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1960	26.0	92.0	21.0	8.0	125.0	100.0	79.0	116.0	60.0	149.0	52.0	125.0	953.0
1961	113.0	40.0	92.0	26.0	84.0	170.0	90.0	87.0	50.0	96.0	42.0	42.0	932.0
1962	33.0	0.4	58.0	69.0	92.0	232.0	41.0	107.0	67.0	0.0	62.0	66.0	827.4
1963	33.0	10.0	79.0	167.0	97.0	-1.0	155.0	76.0	60.0	24.0	8.0	107.0	-1.0
1964	27.0	56.0	77.0	121.0	245.0	20.0	88.0	115.0	80.0	34.0	2.0	73.0	938.0
1965	58.0	85.0	34.0	155.0	116.0	182.0	-1.0	100.0	66.0	41.0	245.0	-1.0	-1.0
1966	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
1967	61.0	35.0	32.0	28.0	255.0	22.0	119.0	51.0	14.0	1.0	-1.0	61.0	-1.0
1968	27.9	68.5	18.2	46.9	34.0	64.8	83.8	81.2	217.4	44.3	91.7	55.2	843.9
MIN	26.0	0.4	18.2	8.0	34.0	20.0	41.0	51.0	14.0	0.0	2.0	42.0	827.4
MAX	113.0	92.0	92.0	167.0	255.0	232.0	155.0	116.0	217.4	149.0	245.0	125.0	953.0
PROM	47.4	48.4	51.4	77.6	131.0	113.0	93.7	91.6	76.8	55.5	71.8	75.6	898.9
DESV	29.9	33.2	28.8	61.9	78.3	83.3	35.4	22.3	60.0	50.4	82.4	29.7	58.5
CV	0.6	0.7	0.6	0.8	0.6	0.7	0.4	0.2	0.8	0.9	1.1	0.4	0.1

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS



PRECIPITACIONES (MM)

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ZONA 9                      HOYA 407    BAKER                      SUP 27931 (KM2)

EST 6    PTO BERTRAND

LAT 4700    LON 7250

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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	-1.0	-1.0	-1.0	-1.0	129.2	80.0	-1.0
1962	36.6	-1.0	-1.0	28.8	75.9	63.1	67.5	165.0	75.6	-1.0	-1.0	46.9	-1.0
1963	167.5	-1.0	-1.0	241.2	241.6	82.7	42.0	59.9	63.8	9.3	52.8	166.0	-1.0
1964	67.0	126.8	-1.0	189.9	202.0	89.7	189.6	122.3	25.3	12.2	7.0	77.0	-1.0
1965	101.0	121.2	47.0	170.5	182.4	205.8	176.9	130.4	213.5	91.7	227.7	24.8	1692.9
1966	47.3	48.3	237.2	64.5	177.6	28.3	106.9	94.8	54.8	34.3	34.5	82.1	1110.6
1967	124.1	-1.0	-1.0	69.1	366.3	161.1	217.8	293.5	54.4	84.6	147.5	165.9	-1.0
1968	31.4	141.5	39.0	38.5	-1.0	68.2	242.3	147.7	194.6	75.4	157.3	126.6	-1.0
MIN	31.4	48.3	39.0	28.8	75.9	28.3	42.0	59.9	25.3	9.3	7.0	24.8	1110.6
MAX	167.5	141.5	237.2	241.2	366.3	205.8	242.3	293.5	213.5	91.7	227.7	166.0	1692.9
PROM	82.1	109.4	107.7	114.6	207.6	99.8	149.0	144.8	97.4	51.2	108.0	96.2	1401.7
DESV	50.8	41.7	112.2	84.2	95.1	61.7	77.2	74.1	74.6	37.2	79.0	52.1	411.7
CV	0.6	0.4	1.0	0.7	0.5	0.6	0.5	0.5	0.8	0.7	0.7	0.5	0.3

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847.

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

\*\*\*\*\*

848

ZONA 9

HOYA 407 BAKER

SUP 27931 (KM2)

EST 7 LAGO COCHRANE

LAT 4716 LON 7250

\*\*\*\*\*

AÑO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	TOT
1964	30.0	34.0	41.0	115.0	58.0	28.0	33.0	81.0	35.0	32.0	2.0	14.0	503.0
1965	50.0	-1.0	21.0	77.0	110.0	68.0	70.0	62.0	-1.0	-1.0	-1.0	-1.0	-1.0
1966	7.7	18.0	36.0	36.0	149.0	60.0	108.0	15.0	10.0	23.0	22.0	28.0	512.7

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PRECIPITACIONES (MM)

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 ZONA 9 HOYA 407 BAKER SUP 27931 (KM2)  
 EST 8 COLONIA  
 LAT 4720 LON 7251 ALT 105 (MTS)  
 \*\*\*\*\*  
 ANO ENE FEB MAR ABR MAY JUN JUL AG SEP OCT NOV DIC TOT  
 \*\*\*\*\*  
 1963 -1.0 -1.0 -1.0 103.8 -1.0 89.0 50.0 35.0 34.2 4.0 3.0 73.0 -1.0  
 1964 40.0 73.0 74.0 124.0 159.0 19.5 57.0 128.5 74.5 25.5 0.0 13.0 788.0  
 1965 133.5 65.0 -1.0 -1.0 112.0 -1.0 -1.0 90.6 -1.0 -1.0 -1.0 34.5 -1.0  
 1966 20.0 25.5 33.0 -1.0 -1.0 56.2 94.8 31.0 35.0 39.5 31.6 21.9 -1.0  
 1967 66.1 18.5 83.0 38.6 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0  
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849.

PRECIPITACIONES (MM)

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ZONA 9 HOYA 409 SERRANO SUP 6630 (KM2) 850.

EST 1 CERRO GUIDO

LAT 5055 LON 7230 ALT 815 (MTS)

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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1961	2.0	54.0	34.0	23.0	-1.0	3.0	4.0	2.0	16.0	-1.0	31.0	27.0	-1.0
1962	4.0	0.0	-1.0	50.0	20.0	34.0	5.0	0.2	0.0	35.0	49.0	12.0	-1.0
1963	15.0	1.0	31.0	57.0	29.0	14.0	19.0	6.0	29.0	10.0	10.0	36.0	257.0
1964	7.0	22.0	19.0	5.0	36.0	4.0	4.0	7.0	14.0	4.0	6.0	3.0	131.0
1965	47.0	17.0	31.0	35.0	37.0	19.0	14.0	17.0	20.0	10.0	13.0	2.0	262.0
1966	12.0	9.0	42.0	37.0	47.0	17.0	54.0	15.0	32.0	28.0	1.0	54.0	348.0
1967	74.0	18.0	64.0	36.0	43.0	7.2	8.0	23.0	2.0	5.8	20.0	0.7	301.7
1968	27.7	24.7	2.9	20.9	9.7	10.1	41.3	28.5	24.5	8.1	9.0	13.7	218.1
MIN	2.0	0.0	2.9	5.0	9.7	3.0	4.0	0.2	0.0	4.0	1.0	0.7	131.0
MAX	74.0	54.0	64.0	57.0	47.0	34.0	54.0	28.5	32.0	35.0	49.0	54.0	348.0
PROM	23.6	18.2	32.0	33.0	31.7	13.5	18.7	12.3	17.2	14.4	17.4	18.5	253.0
DESV	25.2	17.1	18.9	16.6	13.1	10.1	18.9	10.2	11.7	12.0	15.7	19.0	74.3
CV	1.1	0.9	0.6	0.5	0.4	0.7	1.0	0.8	0.7	0.8	0.9	1.0	0.3

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NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS

PRECIPITACIONES (MM)

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 ZONA 9 HOYA 409 SERRANO SUP 6630 (KM2)  
 EST 2 SARMIENTO EN BAÑO V  
 LAT 5100 LON 7238  
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851.

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AÑO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1966	22.0	16.0	66.0	39.0	86.0	28.0	32.0	22.0	32.0	26.0	3.0	53.0	425.0

\*\*\*\*\*

1966  
 1967  
 1968



PRECIPITACIONES (MM)

ZONA 9 HOYA 409 SERRANO SUP 6630 (KM2)  
 EST. 4 ESTANCIA RIO PAINE  
 LAT 5110 LON 7257 ALT 46 (MTS)

AÑO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	TOTAL
1964	-1.0	-1.0	-1.0	27.5	78.0	32.5	63.6	36.0	41.5	11.5	8.5	12.0	-1.0
1965	101.5	32.0	76.0	101.0	96.0	43.4	39.0	63.5	71.0	25.5	49.0	5.5	703.4
1966	39.5	23.0	139.0	39.0	189.7	70.0	89.0	61.5	59.0	40.0	4.5	61.0	815.2
1967	115.0	23.5	94.5	65.5	131.7	36.5	47.0	36.5	70.0	15.5	94.0	-1.0	-1.0
1968	49.8	38.5	24.5	64.0	69.4	44.9	127.0	52.3	41.2	19.0	-1.0	-1.0	-1.0
MIN.	39.5	23.0	24.5	27.5	69.4	32.5	39.0	36.0	41.2	11.5	4.5	5.5	703.4
MAX.	115.0	38.5	139.0	101.0	189.7	70.0	127.0	63.5	71.0	40.0	94.0	61.0	815.2
PROM.	76.4	29.3	83.5	59.4	113.0	45.5	73.1	50.0	56.5	22.3	39.0	26.2	759.3
DESV.	37.4	7.4	47.4	28.4	49.1	14.6	35.7	13.2	14.6	11.2	41.8	30.3	79.1
CV.	0.5	0.3	0.6	0.5	0.4	0.3	0.5	0.3	0.3	0.5	1.1	1.2	0.1

NOTA: VALORES NEGATIVOS INDICAN DATOS DESCONOCIDOS.

PRECIPITACIONES (MM)

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 ZONA 9 HOYA 409 SERRANO SUP 6630 (KM2)  
 EST 5 ESTANCIA LAGO GREY  
 LAT 5110 LON 7303 ALT 40 (MTS)  
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ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AG	SEP	OCT	NOV	DIC	TOT
1964	-1.0	-1.0	-1.0	50.5	96.0	25.0	83.0	40.0	74.5	36.0	18.5	-1.0	-1.0
1965	95.8	42.3	111.5	132.8	162.9	9.1	7.6	4.1	34.4	55.5	132.0	19.5	807.5
1966	50.5	-1.0	75.7	-1.0	265.5	158.5	138.0	105.0	-1.0	-1.0	10.8	-1.0	-1.0
1967	164.0	63.5	-1.0	-1.0	-1.0	12.0	29.0	0.0	-1.0	36.0	-1.0	-1.0	-1.0
1968	46.5	44.0	-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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