

**Ministry of Agriculture
Republic of Peru**

**THE PREPARATORY STUDY
ON
PROJECT OF THE PROTECTION OF
FLOOD PLAIN AND VULNERABLE RURAL
POPULATION AGAINST FLOOD IN THE
REPUBLIC OF PERU**

**FINAL REPORT
I-7 DATE BOOK (1)
(TEMPORARY VERSION)**

March 2013

**JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)**

**YACHIYO ENGINEERING CO., LTD.
NIPPON KOEI CO., LTD.
NIPPON KOEI LATIN AMERICA –
CARIBBEAN Co., LTD.**

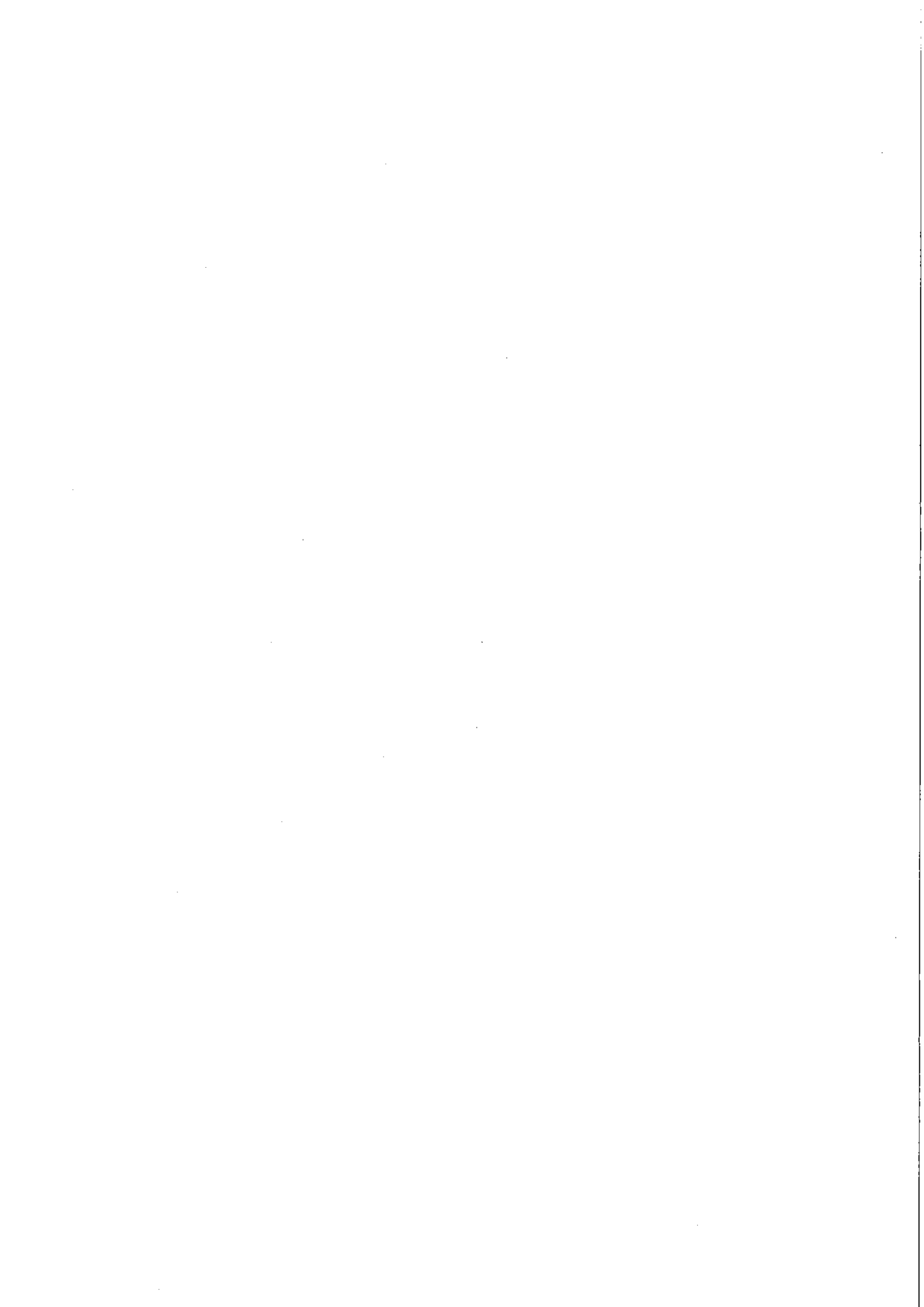
GE
JR
13-103

DATA BOOK

1. RAIN FALL
2. DISCHARGE
3. Expropriation of land and infrastructure repositioning



1. RAIN FALL



**RELACION DE ESTACIONES DE LA CUENCA DEL
"RIO CHIRA"**

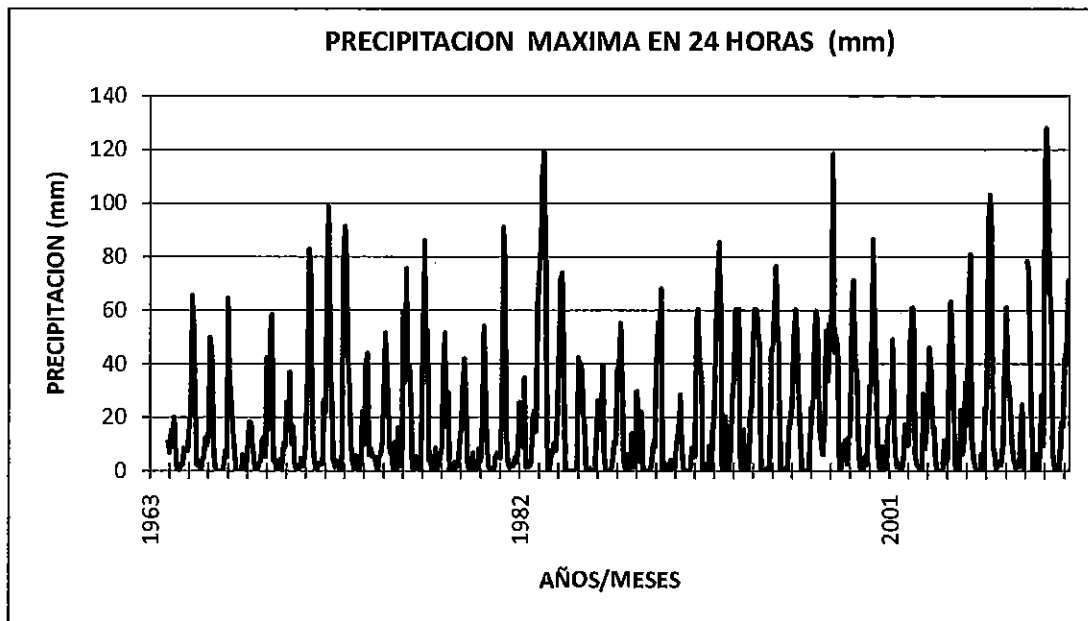
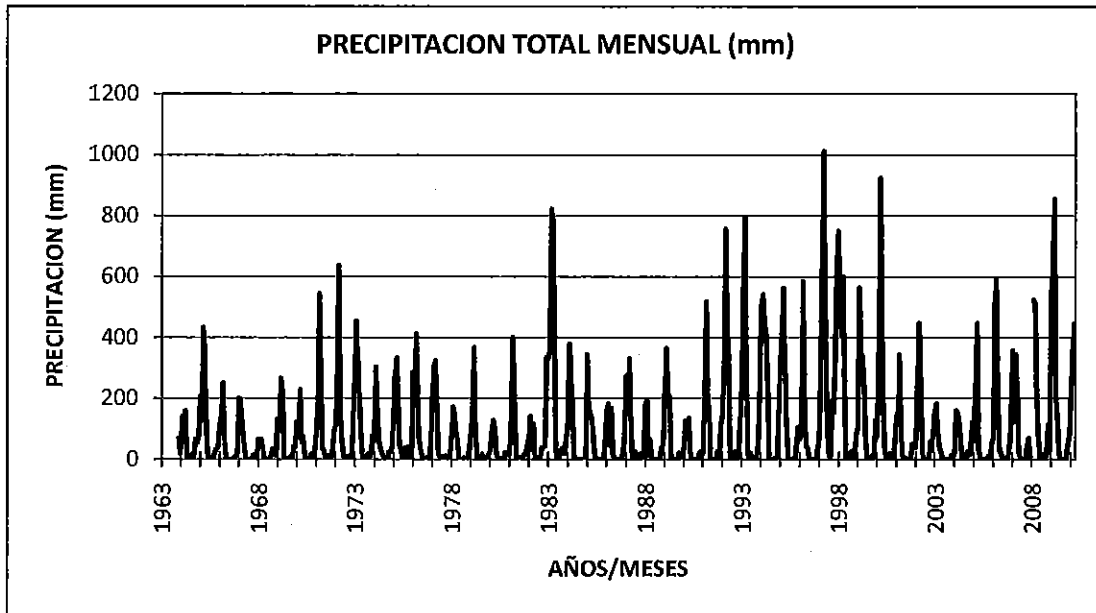
CODIGO	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
152202	ARDILLA (SOLANA BAJA)	PIURA	80° 26'1	04° 31'1
150003	EL CIRUELO	PIURA	80° 09'1	04° 18'1
152108	FRIAS	PIURA	79° 51'1	04° 56'1
230	LA ESPERANZA	PIURA	81° 04'4	04° 55'55
152125	LAGUNA SECA	PIURA	79° 29'1	04° 53'1
152104	LAS LOMAS 1	PIURA	80° 15'1	04° 38'1
140	LAS LOMAS 2	PIURA	80° 15'1	04° 38'1
208	MALLARES	PIURA	80° 44'44	04° 51'51
152144	MONTERO	PIURA	79° 50'1	04° 38'1
152101	PANANGA	PIURA	80° 53'53	04° 33'33
152135	SAN JUAN DE LOS ALISOS	PIURA	79° 32'1	04° 58'1
203	SALALA	PIURA	79° 27'27	05° 06'6
152110	SANTO DOMINGO	PIURA	79° 53'1	05° 02'1

CUENCA	CHIRA
ESTACION	SANTO DOMINGO

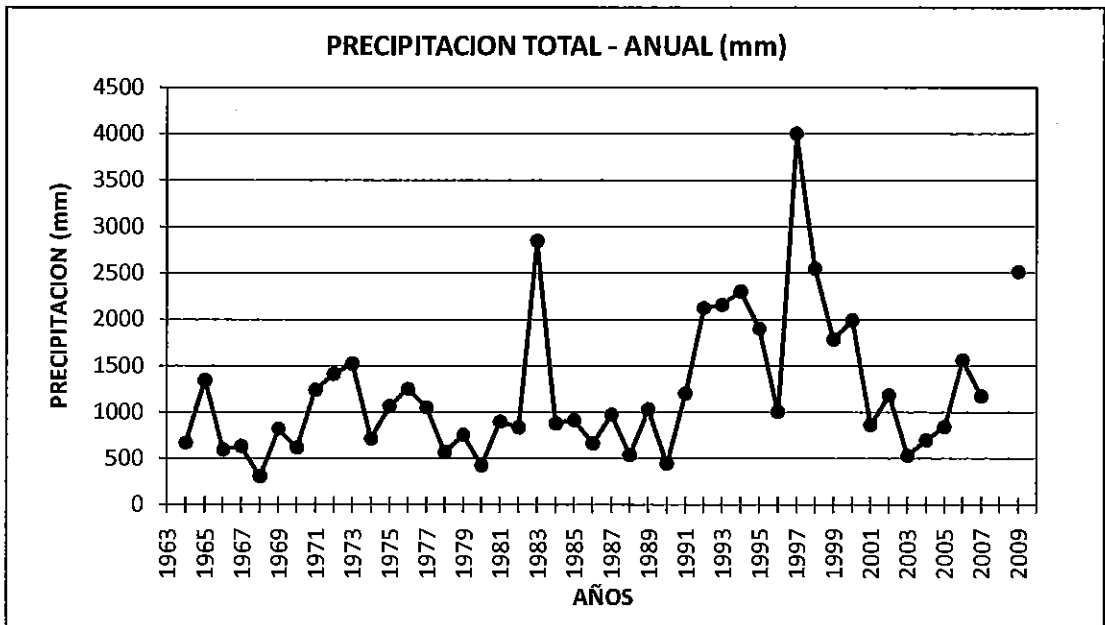
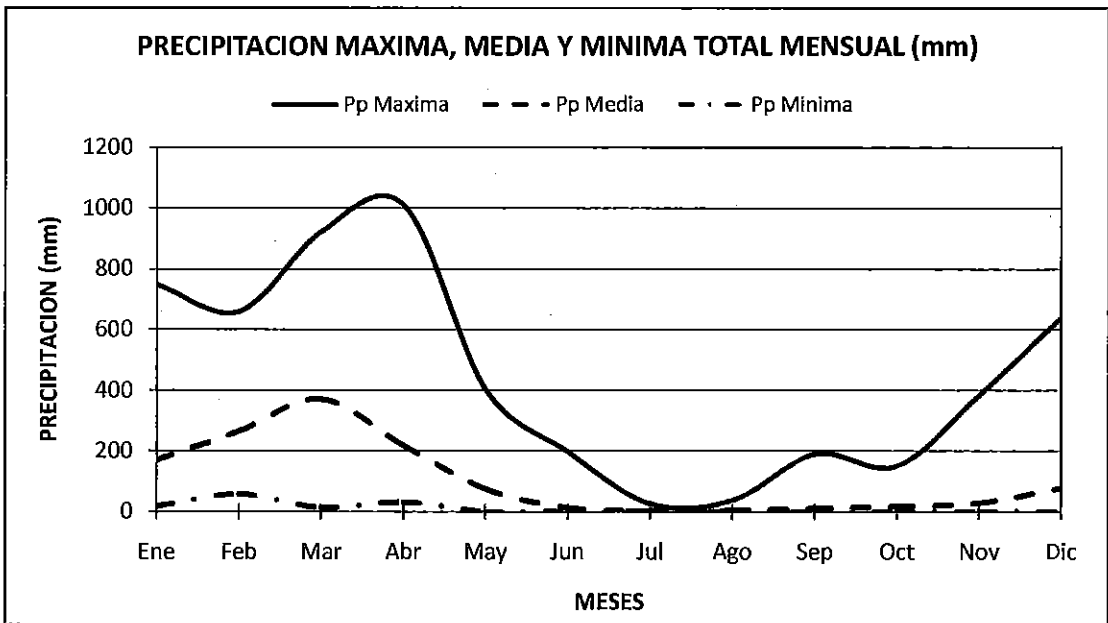
PERIODO Y LONGITUD DE LA INFORMACION DISPONIBLE DE LAS ESTACIONES PLUVIALES

	1961	1962	1963	1964	1965	1966	1967	1968	1969	1971	1972	1973	1974	1975	1976	1977	1978	1979	1981	1982	1983	1984	1985	1986	1987	1988	1989	1991	1992	1993	1994	1995	1996	1997	1998	1999	2001	2002	2003	2004	2005	2006	2007	2008	2009														
RIO CHIRA																																																											
ALAMOR																																																											
ARDILLA																																																											
EL CIRUELO																																																											
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SALALA																																																											
SANTO DOMINGO																																																											

CUENCA CHIRA	ESTACION SANTO DOMINGO	DEPARTAMENTO PIURA	LONGITUD 79° 53'1	LATITUD 05° 02'1
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CUENCA CHIRA	ESTACION SANTO DOMINGO	DEPARTAMENTO PIURA	LONGITUD 79° 53'1	LATITUD 05° 02'1
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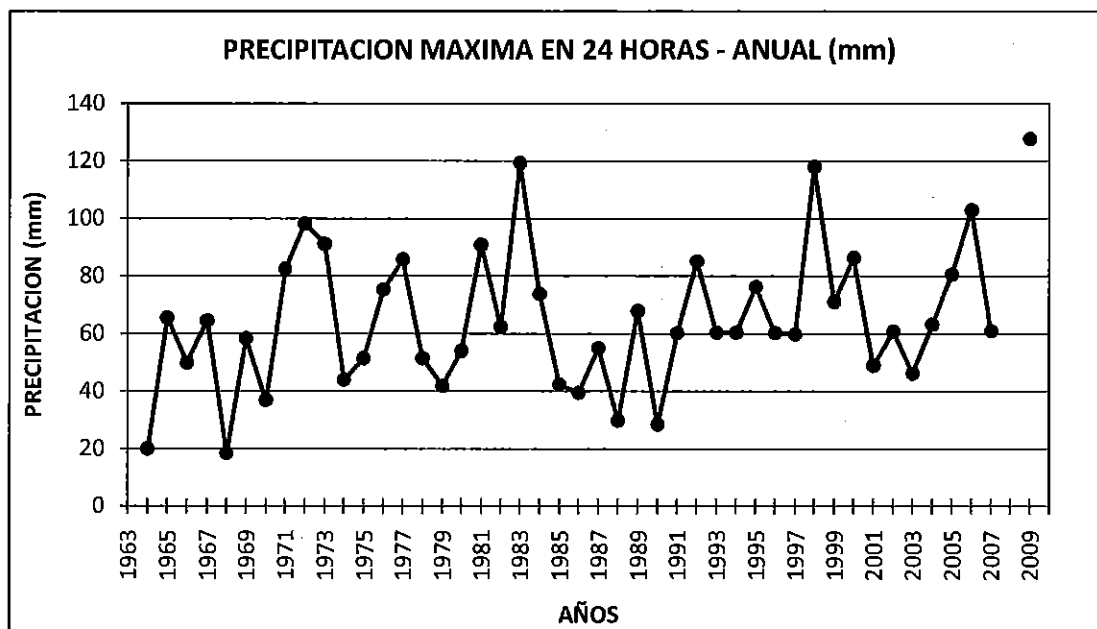


PRECIPITACION MAXIMA EN 24 HORAS (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CHIRA	SANTO DOMINGO	PIURA	79° 53'1	05° 02'1

Año	Mes												Máx.	
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic		
1963													10.7	
1964	6.8	15.0	15.0	20.0	4.7	0.0	0.0	2.7	2.5	8.3	8.2	7.6	20.0	
1965	15.7	22.1	65.6	50.8	21.9	2.3	3.9	0.2	3.3	5.4	12.3	9.5	65.6	
1966	13.4	49.9	44.4	9.3	1.9	0.0	0.0	0.0	0.0	1.3	7.6	5.0	49.9	
1967	64.6	34.0	27.3	16.2	8.9	0.0	0.0	0.0	0.0	6.0	0.0	2.5	64.6	
1968	8.3	18.4	17.8	10.9	3.9	0.0	0.9	2.6	4.1	11.3	12.6	5.2	18.4	
1969	42.4	15.6	51.0	58.4	4.0	4.1	0.0	1.9	4.4	1.0	10.2	9.1	58.4	
1970	25.7	17.1	36.9	10.1	16.5	3.1	0.9	0.0	2.1	4.8	1.9	4.9	36.9	
1971	14.2	40.1	82.6	72.4	14.2	6.1	0.7	1.3	2.9	2.4	2.7	26.3	82.6	
1972	21.6	78.5	98.4	36.4	28.2	4.2	1.4	3.9	3.4	0.0	5.8	79.0	98.4	
1973	91.2	80.2	41.7	29.4	9.3	3.5	0.2	5.6	5.5	0.3	4.4	22.2	91.2	
1974	9.8	39.9	44.0	6.2	8.5	5.3	5.5	4.0	0.0	5.2	6.2	11.1	44.0	
1975	30.4	51.5	37.3	20.8	7.2	6.1	0.4	10.9	0.0	16.4	1.9	2.1	51.5	
1976	59.6	33.2	75.4	35.3	39.2	22.5	1.1	0.0	5.4	0.0	0.0	8.5	75.4	
1977	40.0	85.9	50.9	52.5	3.9	5.6	0.0	0.0	8.5	0.0	3.1	5.9	85.9	
1978	10.3	40.0	51.5	16.5	29.5	0.0	0.0	0.0	3.2	1.4	1.8	10.1	51.5	
1979	16.7	31.7	41.9	21.6	3.2	0.7	1.4	6.7	0.0	0.0	1.3	8.3	41.9	
1980	3.9	18.4	54.1	27.7	8.2	2.0	0.0	0.0	0.0	5.4	6.7	6.6	54.1	
1981	4.9	26.0	90.9	79.2	11.8	2.7	1.2	2.5	2.1	5.1	3.3	9.2	90.9	
1982	25.7	23.6	8.9	34.8	1.6	1.6	2.1	3.0	20.1	22.5	14.7	62.4	62.4	
1983	73.9	82.4	109.9	119.5	85.2	9.8	0.0	4.5	7.1	10.2	7.6	18.5	119.5	
1984	41.6	71.5	73.9	42.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	73.9	
1985	42.3	36.9	39.8	22.0	14.6	0.0	0.0	0.9	0.0	0.0	0.0	11.4	42.3	
1986	26.1	23.4	15.5	39.5	6.7	0.3	0.0	0.0	0.0	4.1	10.8	10.0	39.5	
1987	37.7	40.0	55.1	31.2	4.0	1.2	6.0	0.7	1.5	14.1	1.4	2.3	55.1	
1988	29.8	22.4	3.4	21.8	0.0	0.0	0.2	0.0	0.0	3.0	10.0	8.9	29.8	
1989	40.8	55.5	55.0	68.0	0.3	3.1	0.0	0.0	2.9	4.2	0.0	0.0	68.0	
1990	6.9	12.9	16.4	28.5	8.3	0.4	0.0	0.0	0.0	0.0	8.6	7.3	28.5	
1991	5.4	57.5	60.3	40.4	35.3	0.0	0.0	0.0	1.3	9.4	0.0	15.2	60.3	
1992	23.4	55.2	72.5	85.3	55.3	1.8	0.0	20.3	10.2	0.0	7.6	27.2	85.3	
1993	35.2	60.1	60.2	60.4	6.9	0.0	15.3	0.0	0.0	0.0	20.1	25.4	60.4	
1994	50.1	60.4	60.3	50.3	45.2	0.0	0.0	0.0	0.9	0.0	0.0	45.3	60.4	
1995	45.2	61.3	76.4	55.3	45.2	0.0	0.0	0.0	1.3	0.0	15.1	19.7	76.4	
1996	25.4	50.0	60.3	50.1	30.0	15.3	0.0	0.0	0.0	0.0	0.0	10.2	60.3	
1997	23.6	23.6	53.2	59.8	52.3	17.5	12.3	6.3	21.0	52.3	33.6	55.0	59.8	
1998	51.8	118.1	44.5	50.5	47.1	6.3	0.0	7.4	10.3	11.4	2.6	12.4	118.1	
1999	13.5	65.9	71.1	41.0	36.4	15.0	2.3	0.0	1.5	5.2	2.3	17.9	71.1	
2000	32.1	32.1	86.5	51.2	37.2	8.4	1.3	0.0	9.2	0.0	0.0	17.0	86.5	
2001	20.0	20.0	49.0	18.2	5.5	1.5	3.0	1.0	0.1	6.2	17.3	9.5	49.0	
2002	9.9	47.9	60.9	58.8	6.2	2.5	1.4	0.5	0.0	28.8	8.2	13.6	60.9	
2003	27.7	46.2	38.3	16.5	16.5	2.5	0.0	0.0	0.0	0.5	11.4	3.2	46.2	
2004	4.3	41.5	63.3	49.5	23.5	0.0	2.3	0.0	22.7	6.4	10.1	33.0	63.3	
2005	17.2	66.3	80.8	13.2	4.3	1.7	0.0	0.0	0.6	6.4	0.0	23.5	80.8	
2006	23.8	92.0	103.0	91.3	8.1	7.7	0.8	2.3	3.7	2.3	9.2	35.0	103.0	
2007	61.1	34.0	30.9	18.3	8.6	4.2	1.2	2.4	1.7	14.8	24.7	0.8	61.1	
2008		78.3	74.6	36.4	17.9	0.6	1.1	6.5	0.0	7.6	28.4	9.6		
2009	112.4	127.9	107.0	67.6	59.7	6.4	1.7	0.0	0.0	3.7	18.2	16.8	127.9	
2010	41.8	44.7	71.0	39.7										

CUENCA CHIRA	ESTACION SANTO DOMINGO	DEPARTAMENTO PIURA	LONGITUD 79° 53'1	LATITUD 05° 02'1
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PRECIPITACION TOTAL ANUAL (mm)

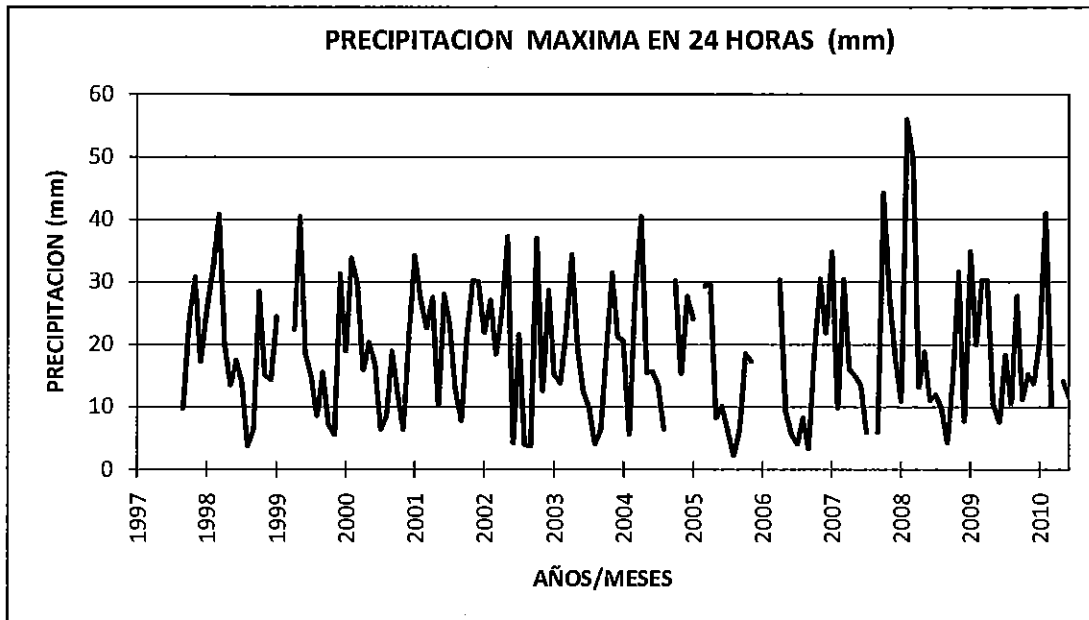
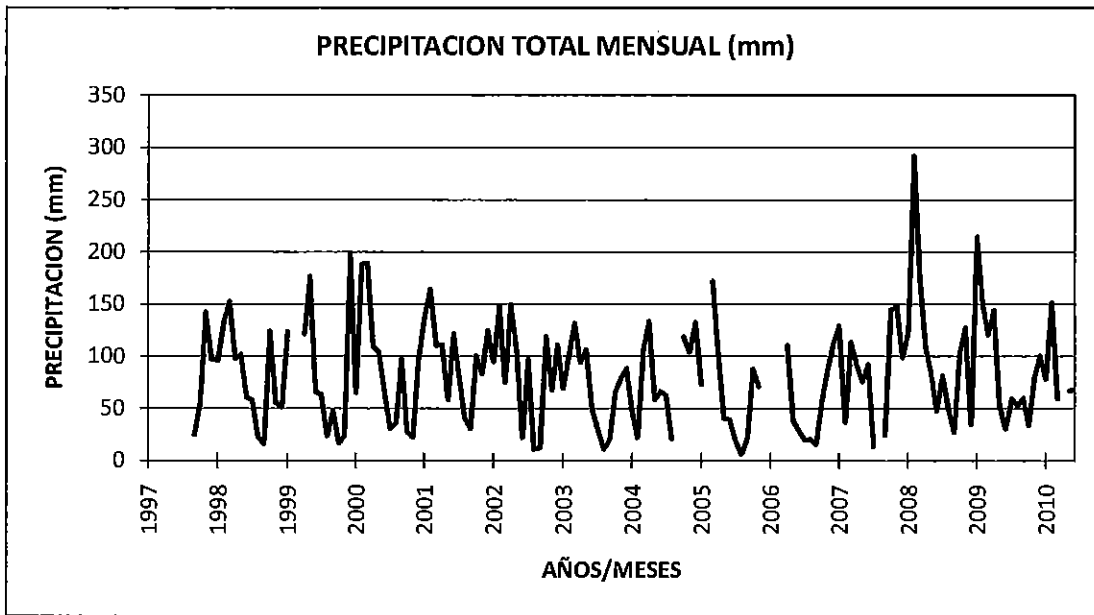
CUENCA CHIRA	ESTACION SANTO DOMINGO	DEPARTAMENTO PIURA	LONGITUD 79° 53'1	LATITUD 05° 02'1
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Año	Total
1963	
1964	671.2
1965	1347.5
1966	597.8
1967	633.7
1968	307.9
1969	822.1
1970	620.1
1971	1239.8
1972	1414.9
1973	1527.5
1974	713.7
1975	1066.3
1976	1253.2
1977	1053.0
1978	567.7
1979	756.0
1980	426.3
1981	897.9
1982	836.7
1983	2848.4
1984	880.3
1985	914.5
1986	666.4
1987	973.6
1988	541.4
1989	1032.4
1990	445.1
1991	1204.0
1992	2123.3
1993	2159.9
1994	2306.4
1995	1903.8
1996	1008.7
1997	4007.8
1998	2552.6
1999	1786.6
2000	1997.1
2001	867.1
2002	1186.4
2003	533.2
2004	699.8
2005	842.7
2006	1564.0
2007	1174.7
2008	
2009	2514.9
2010	

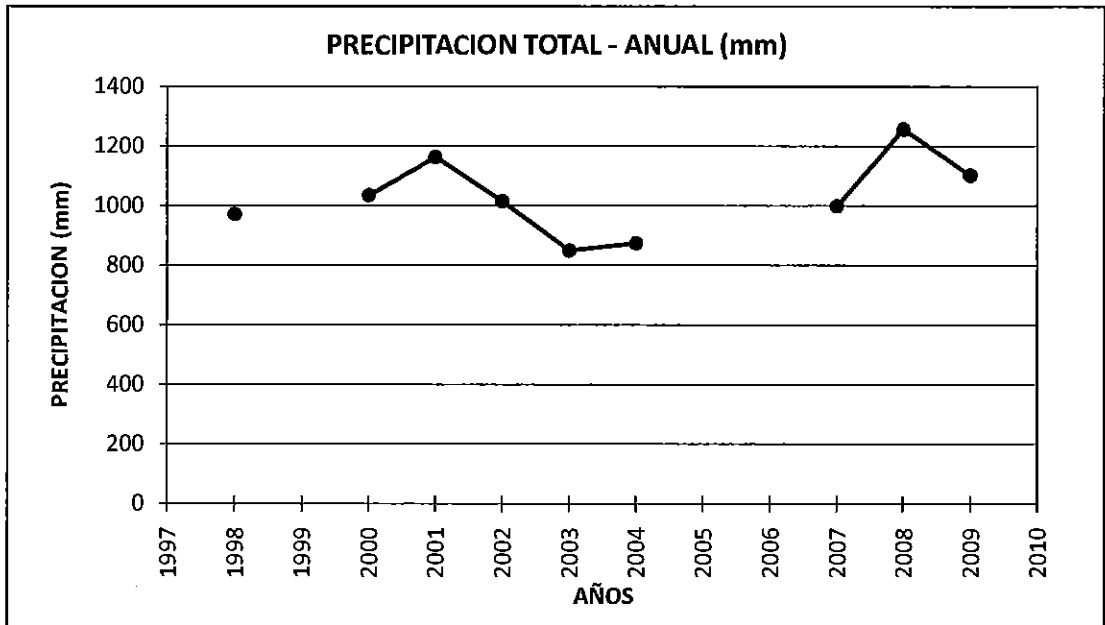
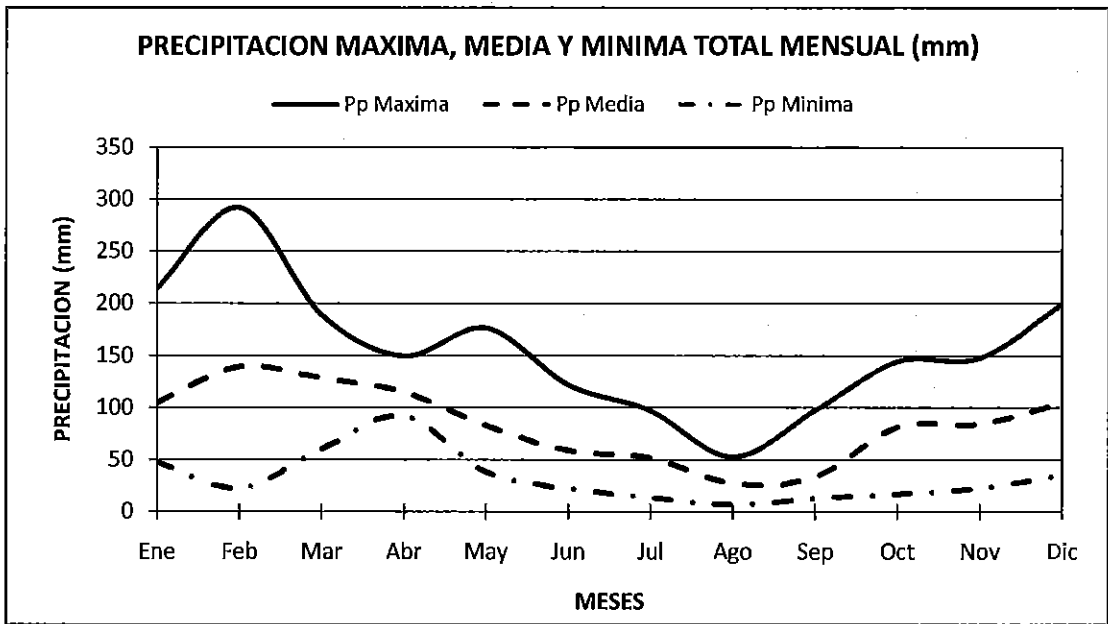
CHIRA	CUENCA
SALALA	ESTACION

Año	Mes	Días																														Total	Máximo	Medio	Mínimo	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					31
2002	2	6.6	4.9	0.0	1.7	15.3	5.2	0.9	0.8	0.0	0.0	0.0	1.5	0.0	5.1	1.8	1.3	1.5	0.2	0.8	0.2	0.6	2.1	4.9	0.2	0.5	0.0	1.9	3.5	0.3	5.3	147.6	27.1	5.3	0.0	
	3	0.7	0.0	0.0	5.4	18.5	4.5	0.0	2.8	0.5	0.0	0.2	0.3	0.0	0.0	0.0	0.0	0.7	0.0	3.4	6.2	2.5	1.3	3.8	0.3	0.2	0.5	0.0	1.9	3.5	0.3	5.3	74.9	18.5	2.4	0.0
	4	5.9	0.8	4.2	0.6	0.1	13.6	25.2	1.1	1.8	6.3	2.7	0.2	0.0	0.0	0.0	0.9	1.0	1.0	12.7	2.1	4.2	1.1	15.2	0.0	7.2	0.1	0.0	2.4	0.7	0.0	0.0	149.7	25.8	5.0	0.0
	5	20.3	2.9	0.0	0.1	1.3	2.8	1.8	0.1	0.6	4.3	2.7	0.8	0.0	0.0	0.3	0.2	2.1	0.0	6.0	3.7	3.7	5.2	5.8	8.0	0.0	0.0	0.0	0.0	0.0	0.0	105.6	37.3	3.4	0.0	
	6	3.6	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.3	0.3	0.0	1.5	4.3	0.1	0.0	0.7	0.8	4.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.3	4.3	0.7	0.0	
	7	1.6	0.0	0.0	1.0	21.6	15.6	0.0	0.0	1.4	1.1	3.7	0.9	2.0	1.7	1.9	0.0	0.6	2.4	1.3	0.0	0.0	4.5	1.8	0.3	1.8	0.2	1.1	8.0	3.2	0.1	97.1	21.6	3.1	0.0	
	8	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.2	0.0	0.0	0.1	1.4	0.6	0.4	0.6	0.3	0.0	4.0	0.0	0.0	0.0	10.8	4.0	0.3	0.0		
	9	0.0	0.0	1.8	1.7	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	3.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.7	3.8	0.4	0.0		
	10	0.0	0.0	2.2	4.6	1.8	0.0	0.0	1.7	1.4	2.0	0.6	0.4	0.0	0.0	0.0	0.0	7.2	1.5	1.1	1.7	0.0	37.0	0.0	12.8	13.3	29.9	1.0	0.0	0.0	119.2	37.0	3.8	0.0		
	11	1.2	0.0	0.0	0.0	14.7	0.3	1.3	8.2	8.0	0.7	3.4	1.9	1.2	0.4	0.0	5.5	0.2	0.8	0.0	8.9	1.7	0.0	0.0	0.5	1.4	7.6	0.2	1.9	0.0	68.0	12.7	2.3	0.0		
	12	0.5	0.3	1.3	0.0	12.0	28.7	1.0	0.0	0.0	0.0	0.0	2.6	10.0	6.2	1.6	9.3	0.0	0.9	7.7	5.1	0.0	0.0	7.2	3.0	6.0	5.2	0.3	110.9	28.7	3.6	0.0				
2003	1	0.0	0.3	0.0	0.0	2.0	15.2	5.1	0.1	6.2	2.3	0.9	1.7	0.0	0.2	0.0	0.0	0.0	2.5	0.0	0.0	0.0	1.6	0.0	1.6	0.0	0.0	0.0	4.5	5.3	9.2	66.6	15.2	2.2	0.0	
	2	1.5	5.0	0.8	3.0	0.6	6.3	11.7	6.6	2.8	0.6	2.9	1.7	0.0	0.2	0.0	0.0	0.0	0.0	10.3	6.5	0.1	0.0	2.0	0.7	1.2	1.1	1.8	13.9	10.2	3.6	0.0				
	3	2.6	3.1	6.2	4.0	6.5	3.6	1.2	0.6	2.1	1.6	1.1	2.8	0.1	1.7	0.5	12.4	0.6	12.6	0.0	0.0	0.0	0.0	0.8	1.2	3.4	4.6	0.0	5.5	22.3	5.0	13.8	22.3	4.3	0.0	
	4	0.2	0.6	0.2	0.1	0.0	2.3	0.0	0.0	3.5	34.4	5.3	5.0	4.8	0.0	0.0	0.0	0.0	3.7	0.1	1.5	0.1	1.0	12.2	2.0	0.7	0.6	3.5	3.2	0.1	9.3	94.3	34.4	3.1	0.0	
	5	2.9	0.2	0.0	0.0	1.4	1.7	0.4	0.2	0.2	1.7	1.5	1.9	1.3	4.8	3.1	1.7	9.7	3.0	1.6	0.8	0.3	0.0	0.0	4.6	2.1	1.0	4.1	3.4	4.1	8.4	108.4	19.8	3.4	0.0	
	6	12.5	1.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.0	6.1	8.0	3.4	0.0	1.7	9.3	4.6	0.2	0.0	0.0	0.0	50.1	12.5	1.7	0.0		
	7	0.3	3.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	3.1	9.9	7.6	1.4	0.5	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.7	0.2	0.6	0.0	0.0	0.4	30.3	9.9	1.0	0.0		
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.3	3.3	0.2	0.0	0.0	0.0	11.4	4.2	0.4	0.0		
	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0	20.3	6.4	0.7	0.0		
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.0	19.4	2.1	0.0	
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78.3	31.5	2.6	0.0	
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86.7	21.2	2.9	0.0		
2004	1	0.0	0.0	0.0	1.8	9.4	20.6	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.6	20.6	1.8	0.0		
	2	4.0	3.5	0.8	0.8	0.1	0.2	0.1	0.5	5.7	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2	5.7	0.8	0.0		
	3	0.0	1.1	3.1	6.1	0.2	0.0	0.0	0.6	9.2	28.7	3.2	1.7	4.0	5.5	8.5	1.5	3.6	0.7	1.9	0.2	0.1	0.4	1.5	0.3	13.4	0.6	0.0	0.0	0.0	108.6	28.7	3.4	0.0		
	4	0.1	1.7	0.2	0.6	0.2	1.1	0.0	10.0	0.6	2.6	6.1	1.4	26.0	7.0	1.2	2.3	5.8	0.1	1.0	0.0	0.0	0.0	40.5	0.2	1.4	0.0	1.5	5.0	0.0	158.6	40.5	4.5	0.0		
	5	2.8	0.6	0.2	0.4	7.0	0.2	8.0	1.8	0.0	0.0	0.0	0.0	0.0	0.4	1.1	3.3	2.1	3.5	1.0	0.0	0.0	5.9	0.0	0.0	15.6	0.5	1.7	1.8	0.7	0.0	58.7	15.6	1.9	0.0	
	6	0.4	4.9	1.7	0.7	0.0	0.0	1.6	0.0	0.9	0.0	2.1	4.3	2.2	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.3	0.0	6.3	3.3	3.9	2.3	1.3	1.2	68.3	15.7	2.2	0.0		
	7	3.4	1.7	1.3	3.5	7.1	2.0	0.0	0.0	0.0	13.6	0.0	2.8	8.2	1.8	0.0	0.0	0.0	1.2	0.0	1.6	0.0	0.0	0.0	6.0	2.8	0.3	3.0	0.0	1.4	62.5	13.6	2.0	0.0		
	8	0.0	0.0	0.0	0.0	0.0	0.0	1.9	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.8	1.5	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	6.5	20.6	6.5	0.7	0.0		
	9	3.0	0.3	2.2	8.4	10.2	1.1	0.0	0.0	0.0	7.2	10.8	0.2	1.6	1.3	0.0	0.0	0.0	0.0	0.0	5.2	30.2	1.9	9.3	24.5	0.0	0.0	0.0	0.5	1.3	0.0	119.7	30.2	3.8	0.0	
	10	0.0	1.2	3.0	3.0	12.2	5.0	0.6	15.4	11.1	9.9	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2	2.2	1.6	0.0	0.4	0.0	0.4	0.0	0.6	1.6	14.4	6.7	104.2	15.4	3.5	0.0	
	11	6.6	2.2	1.1	5.4	9.8	3.6	0.0	27.7	11.1	14.1	0.0	3.5	1.5	9.2	23.4	7.6	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	132.6	27.7	4.4	0.0		
12	0.0	1.8	1.2	4.2	3.1	18.8	24.2	0.1	0.0	0.0	9.2	1.8	0.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	0.0	0.0	0.0	2.5	73.4	24.2	2.4	0.0			
2005	2	7.8	0.3	0.1	1.4	1.6	28.4	21.6	0.0	14.0	3.5	0.0	16.0	4.6	0.0	4.0	18.0	4.9	13.0	5.8	0.2	0.2	0.6	0.0	0.1	0.8	0.0	9.5	7.5	1.0	172.0	28.4	5.5	0.0		
	3	0.0	0.0	2.3	4.0	5.1	6.1	3.8	1.3	1.4	4.0	0.0	0.8	3.6	1.6	0.0	2.0	4.4	0.4	0.0	29.5	0.2	0.0	6.4	0.0	0.3	1.8	4.3	12.1	7.1	102.8	29.5	3.4	0.0		
	4	0.0	0.0	0.0	0.0	8.3	0.9	0.0	0.3	5.7	1.2	3.3	0.1	0.4	0.0	0.0	4.6	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	40.8	8.3	1.3	0.0		
	5	3.9	1.5	0.1	2.0	4.9	0.6	0.0	0.0	0.0	0.1	1.4	1.3	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	36.3	10.1	1.3	0.0		
	6	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.6	6.2	0.6	0.0		
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.4	8.3	0.7	0.0		
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	3.3	0.5	0.0		

CUENCA CHIRA	ESTACION SALALA	DEPARTAMENTO PIURA	LONGITUD 79° 27'27	LATITUD 05° 06'6
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CUENCA CHIRA	ESTACION SALALA	DEPARTAMENTO PIURA	LONGITUD 79° 27'27	LATITUD 05° 06'6
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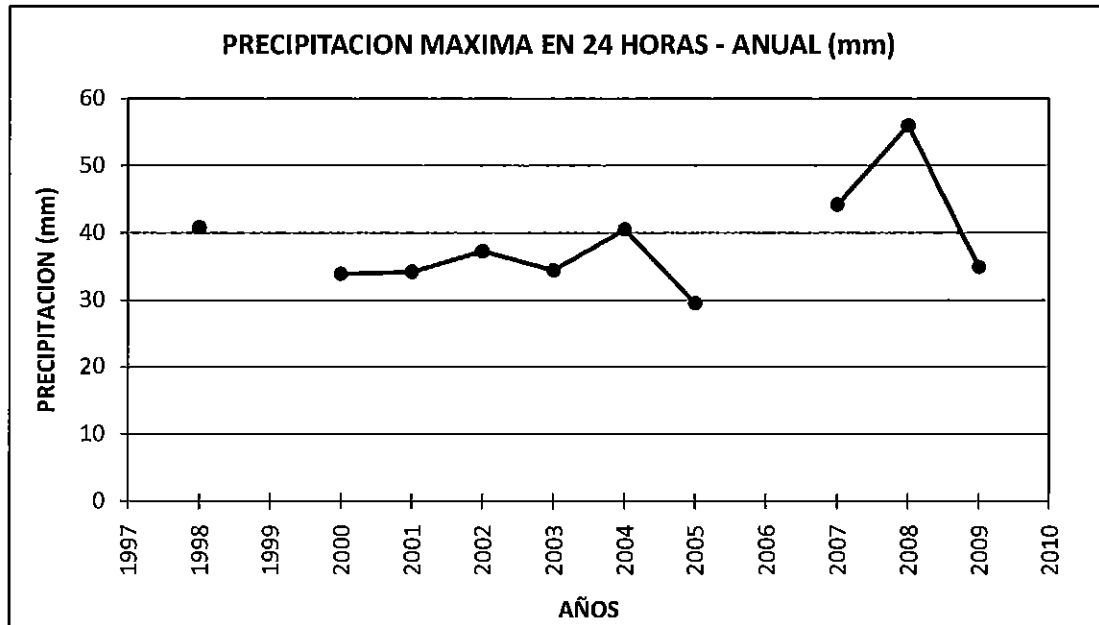


PRECIPITACION MAXIMA EN 24 HORAS (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CHIRA	SALALA	PIURA	79° 27'27	05° 06'6

Año	Mes												Máx.
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1997									9.8	23.7	30.8	17.3	
1998	25.4	32.0	40.8	19.9	13.5	17.4	14.0	3.8	6.4	28.5	15.1	14.4	40.8
1999	24.4			22.4	40.5	18.5	14.9	8.7	15.5	7.2	5.6	31.3	
2000	19.0	33.9	29.7	16.0	20.3	16.9	6.5	8.6	18.9	12.2	6.5	21.8	33.9
2001	34.2	27.4	22.7	27.5	10.3	28.1	23.3	13.0	7.9	21.8	30.2	30.1	34.2
2002	22.0	27.1	18.5	25.6	37.3	4.3	21.6	4.0	3.8	37.0	12.7	28.7	37.3
2003	15.2	13.9	22.3	34.4	19.6	12.5	9.9	4.2	6.4	19.4	31.5	21.2	34.4
2004	20.6	5.7	28.7	40.5	15.6	15.7	13.6	6.5		30.2	15.4	27.7	40.5
2005	24.2		29.4	29.5	8.3	10.1	6.2	2.3	6.4	18.5	17.3		29.5
2006				30.3	9.3	5.6	4.1	8.3	3.3	18.7	30.5	21.9	
2007	34.8	9.9	30.4	16.1	15.0	13.5	6.0	10.0	6.0	44.2	28.1	18.1	44.2
2008	11.0	56.0	49.5	13.2	18.8	11.1	12.0	9.8	4.3	15.2	31.7	7.8	56.0
2009	34.9	20.0	30.2	30.2	10.5	7.6	18.3	10.6	27.8	11.2	15.2	13.8	34.9
2010	20.8	41.0	10.2		14.1	11.8							

CUENCA CHIRA	ESTACION SALALA	DEPARTAMENTO PIURA	LONGITUD 79° 27'27	LATITUD 05° 06'6
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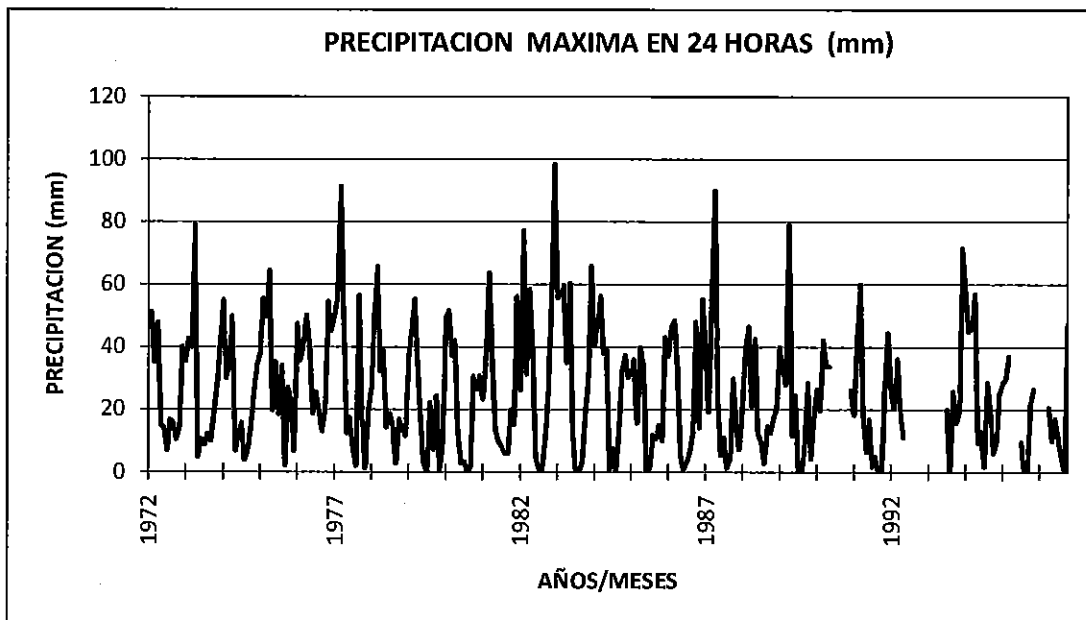
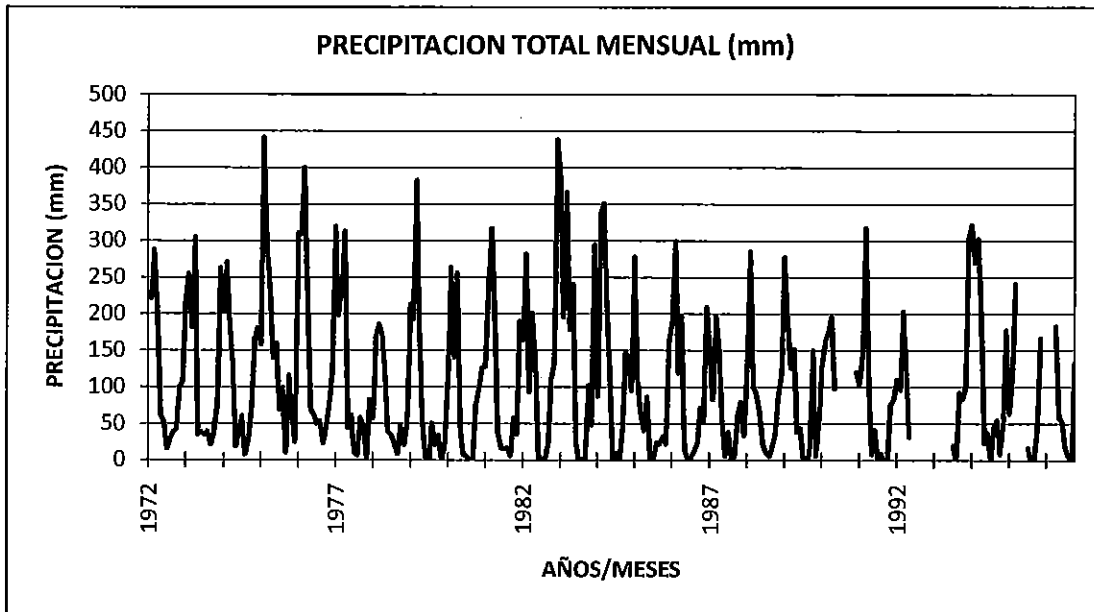
PRECIPITACION TOTAL ANUAL (mm)

CUENCA CHIRA	ESTACION SALALA	DEPARTAMENTO PIURA	LONGITUD 79° 27'27	LATITUD 05° 06'6
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Año	Total
1997	
1998	970.6
1999	
2000	1034.4
2001	1163.6
2002	1014.0
2003	849.4
2004	873.8
2005	
2006	
2007	999.0
2008	1256.6
2009	1101.9
2010	

CUENCA	CHIRA
ESTACION	SAN JUAN DE LOS ALISOS

CUENCA CHIRA	ESTACION N JUAN DE LOS ALIS	DEPARTAMENTO PIURA	LONGITUD 79° 32'1	LATITUD 04° 58'1
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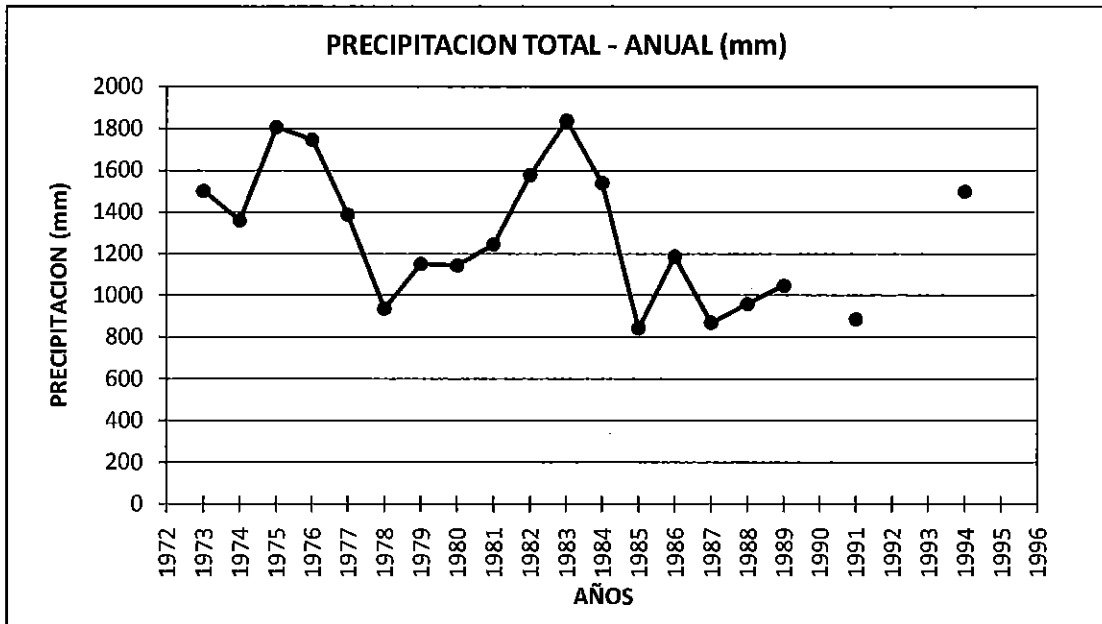
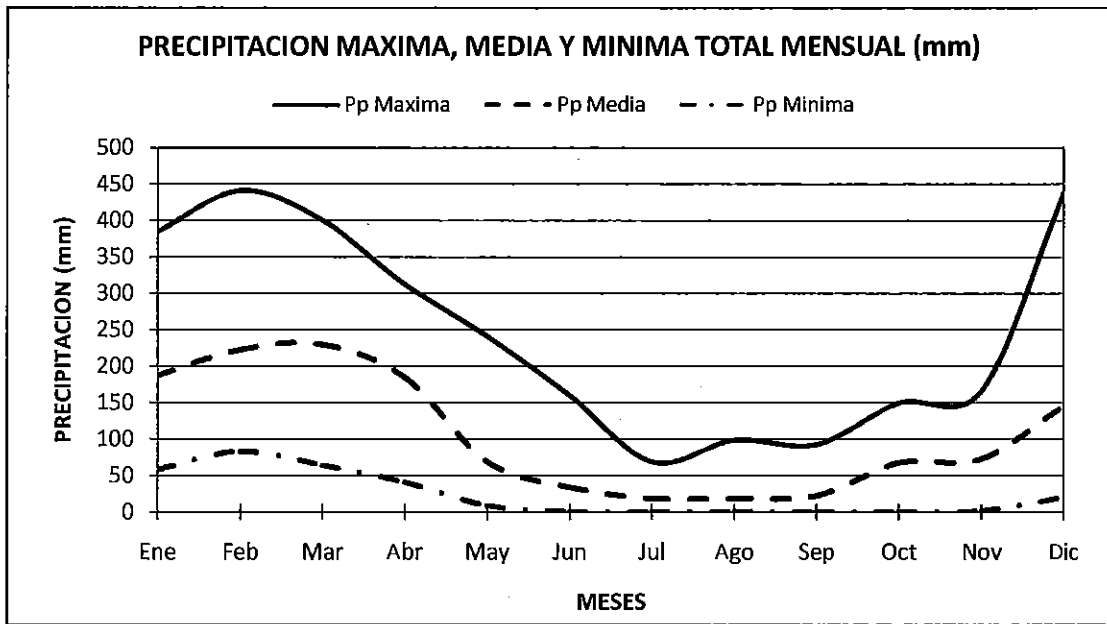


PRECIPITACION TOTAL MENSUAL (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CHIRA	N JUAN DE LOS ALIS	PIURA	79° 32'1	04° 58'1

Año	Mes												Total
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1972		221.4	287.2	190.1	60.8	51.6	16.4	30.3	38.6	42.4	100.1	106.4	
1973	216.9	255.1	181.4	304.5	34.9	37.8	34.5	38.7	21.5	39.0	74.9	262.5	1501.8
1974	202.1	270.7	189.5	131.0	18.6	37.5	60.3	8.0	28.5	66.3	166.9	180.4	1359.9
1975	157.9	441.4	291.0	239.0	139.4	159.6	69.2	98.5	10.4	115.8	60.2	25.6	1808.0
1976	310.3	308.9	400.3	223.5	68.9	62.5	50.2	53.1	23.4	44.0	79.3	122.7	1747.2
1977	319.2	198.2	243.4	312.4	44.3	61.9	10.8	6.8	57.5	46.8	3.2	82.8	1387.3
1978	57.5	170.1	185.6	171.5	119.4	38.8	34.6	24.5	8.7	46.5	21.2	58.1	936.5
1979	212.9	192.1	383.1	180.3	52.1	3.7	0.3	49.9	21.1	33.8	1.3	20.0	1150.7
1980	120.2	263.5	140.9	256.2	43.1	8.3	5.2	0.4	3.0	75.4	101.1	125.8	1143.1
1981	128.5	228.8	317.1	198.0	36.6	16.9	15.5	16.5	6.0	57.0	35.6	189.5	1246.0
1982	164.1	282.0	93.5	201.2	127.3	4.7	1.1	0.8	22.4	111.3	132.3	438.3	1579.0
1983	385.2	196.3	366.5	178.5	241.1	23.4	0.0	0.0	3.7	101.7	48.1	294.2	1838.7
1984	87.9	338.6	351.1	213.7	115.8	1.7	9.5	0.0	37.5	146.3	141.9	95.3	1539.3
1985	277.6	108.9	63.8	40.3	85.9	0.0	3.4	24.1	22.1	32.1	22.3	162.2	842.7
1986	189.1	298.9	119.6	196.1	14.5	0.9	3.6	12.5	22.2	70.8	51.3	208.9	1188.4
1987	156.1	83.1	198.0	149.1	58.1	5.9	37.8	1.5	4.6	61.3	79.4	34.2	869.1
1988	117.5	285.3	102.3	90.2	64.8	22.3	10.9	5.4	19.2	36.3	87.1	117.9	959.2
1989	277.2	191.1	126.4	151.2	38.5	43.3	0.0	0.0	10.2	149.9	6.1	52.9	1046.8
1990	127.7	163.3	175.1	196.1	97.9							120.3	
1991	104.4	143.3	317.3	103.6	8.4	40.8	2.3	9.2	0.0	0.0	74.6	83.2	887.1
1992	109.7	96.3	202.8	126.9	32.1							81.7	
1993							20.0	0.6	92.8	83.5	99.3	303.1	
1994	321.4	270.1	302.5	211.5	22.9	37.3	2.0	44.5	54.8	8.6	45.6	177.5	1498.7
1995	64.0	113.7	241.0				16.1	0.0	0.0	45.0	166.5		
1996				183.2	58.6	53.0	17.0	6.5	0.0	132.5			
Pp Maxima	385.2	441.4	400.3	312.4	241.1	159.6	69.2	98.5	92.8	149.9	166.9	438.3	1838.7
Pp Media	186.7	222.7	229.5	184.7	68.9	33.9	18.3	18.8	22.1	67.2	72.7	145.4	1291.0
Pp Minima	57.5	83.1	63.8	40.3	8.4	0.0	0.0	0.0	0.0	0.0	1.3	20.0	842.7

CUENCA CHIRA	ESTACION N JUAN DE LOS ALIS	DEPARTAMENTO PIURA	LONGITUD 79° 32'1	LATITUD 04° 58'1
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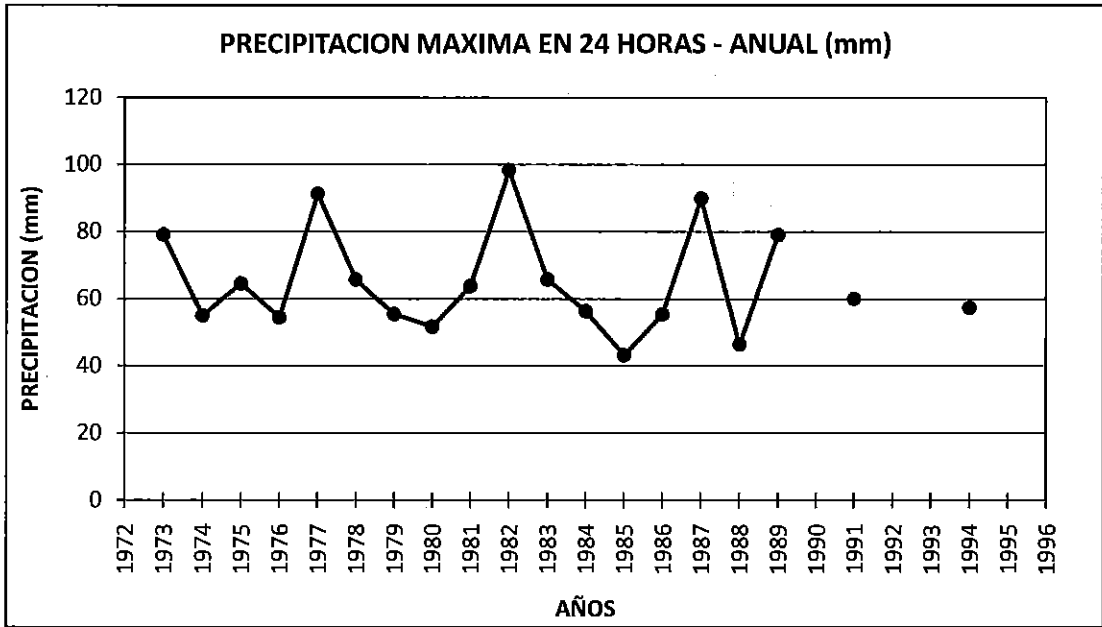


PRECIPITACION MAXIMA EN 24 HORAS (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CHIRA	N JUAN DE LOS ALIS	PIURA	79° 32'1	04° 58'1

Año	Mes												Máx.
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1972		51.3	35.1	47.9	15.0	14.1	6.8	16.7	15.9	10.5	14.3	40.2	
1973	35.6	42.6	40.0	79.2	4.8	10.6	8.7	12.2	10.0	18.7	28.2	41.6	79.2
1974	55.0	30.1	33.7	49.8	6.8	11.9	15.7	3.9	7.4	14.8	26.3	34.2	55.0
1975	38.0	55.6	49.8	64.5	19.8	35.2	18.5	34.0	2.2	27.0	22.9	6.6	64.5
1976	47.4	35.8	41.8	50.1	39.1	18.7	25.5	20.0	13.1	20.0	54.5	45.3	54.5
1977	50.0	55.7	91.4	50.8	12.5	17.4	7.9	2.0	56.6	19.0	1.3	19.3	91.4
1978	27.1	50.4	65.8	32.4	38.9	14.3	18.6	15.2	2.7	16.8	13.9	11.7	65.8
1979	36.3	45.0	55.4	34.8	17.1	2.8	0.3	22.2	7.2	24.4	1.0	8.7	55.4
1980	49.6	51.7	37.3	42.0	12.2	2.7	3.1	0.2	1.7	30.5	26.5	30.7	51.7
1981	23.4	35.7	63.8	34.8	13.3	9.8	8.2	6.0	6.0	19.9	15.0	56.2	63.8
1982	26.1	77.3	31.4	58.5	38.8	4.7	1.0	0.7	10.0	24.2	56.7	98.4	98.4
1983	55.8	56.7	59.6	35.0	60.4	13.0	0.0	0.0	3.4	18.1	30.0	65.8	65.8
1984	40.5	48.1	56.3	38.0	39.1	0.9	7.6	0.0	13.3	32.0	37.4	30.4	56.3
1985	31.4	35.9	15.7	39.8	33.2	0.0	1.7	11.9	10.6	14.9	10.1	43.2	43.2
1986	37.3	46.4	48.5	33.2	5.1	0.8	3.6	6.4	13.5	48.1	14.2	55.4	55.4
1987	40.3	19.3	56.7	90.0	22.6	5.5	11.0	1.5	4.6	29.8	14.5	7.3	90.0
1988	21.8	40.3	46.4	21.0	42.6	12.3	9.6	2.8	14.6	12.6	17.1	20.3	46.4
1989	40.0	33.4	28.0	79.1	11.7	24.5	0.0	0.0	7.9	28.5	4.4	17.2	79.1
1990	26.2	19.6	42.1	33.7	33.7							26.2	
1991	18.3	41.4	60.1	19.0	6.4	16.8	1.8	4.9	0.0	0.0	26.1	44.4	60.1
1992	25.5	20.5	36.1	19.4	11.1							45.0	
1993							20.0	0.6	25.7	16.0	19.7	71.5	
1994	57.4	45.0	46.0	57.0	9.5	13.0	1.9	28.6	19.5	6.1	9.5	25.0	57.4
1995	28.4	29.8	37.0				9.6	0.0	0.0	21.7	26.5		
1996				20.5	10.0	17.0	11.0	5.0	0.0	46.6			

CUENCA CHIRA	ESTACION N JUAN DE LOS ALIS	DEPARTAMENTO PIURA	LONGITUD 79° 32'1	LATITUD 04° 58'1
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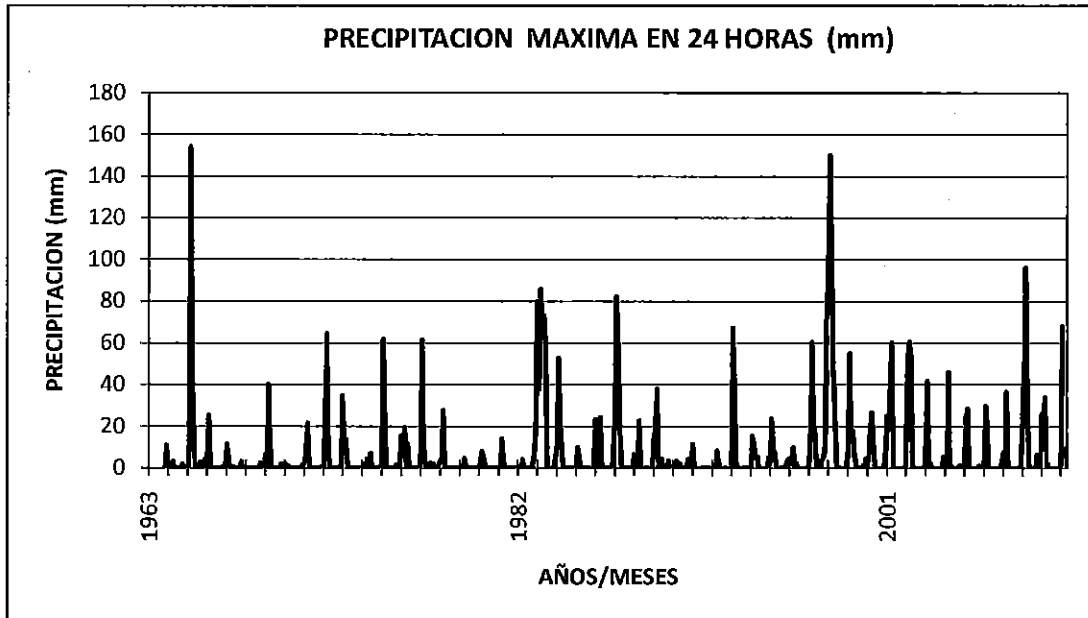
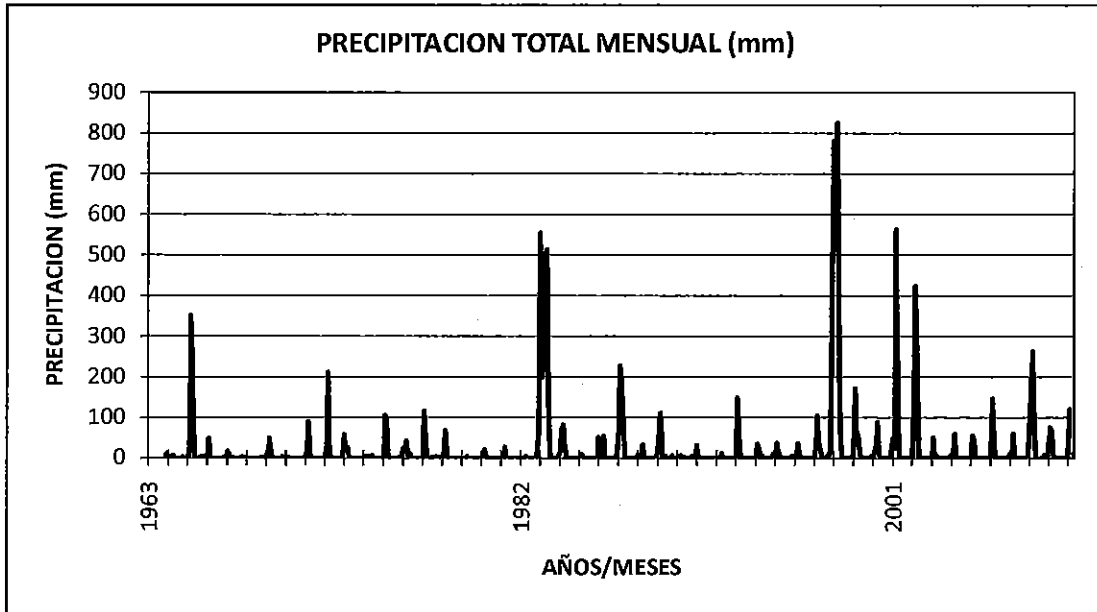
PRECIPITACION TOTAL ANUAL (mm)

CUENCA CHIRA	ESTACION AN JUAN DE LOS ALISO	DEPARTAMENTO PIURA	LONGITUD 79° 32'1	LATITUD 04° 58'1
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Año	Total
1972	
1973	1501.8
1974	1359.9
1975	1808.0
1976	1747.2
1977	1387.3
1978	936.5
1979	1150.7
1980	1143.1
1981	1246.0
1982	1579.0
1983	1838.7
1984	1539.3
1985	842.7
1986	1188.4
1987	869.1
1988	959.2
1989	1046.8
1990	
1991	887.1
1992	
1993	
1994	1498.7
1995	
1996	

CUENCA	CHIRA
ESTACION	PANANGA

CUENCA CHIRA	ESTACION PANANGA	DEPARTAMENTO PIURA	LONGITUD 80° 53'53	LATITUD 04° 33'33
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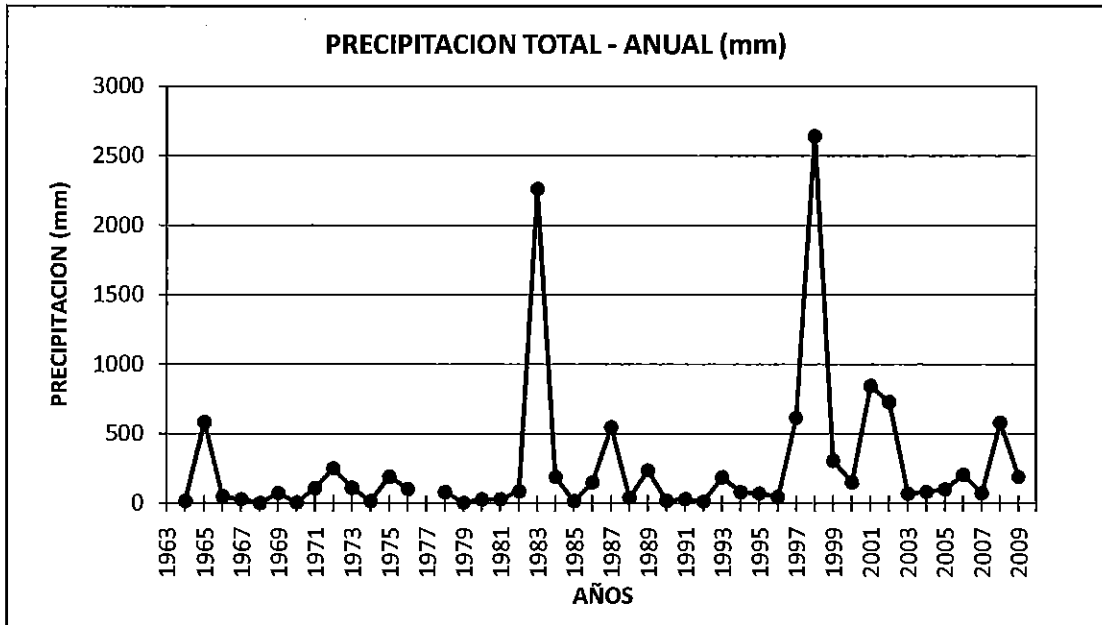
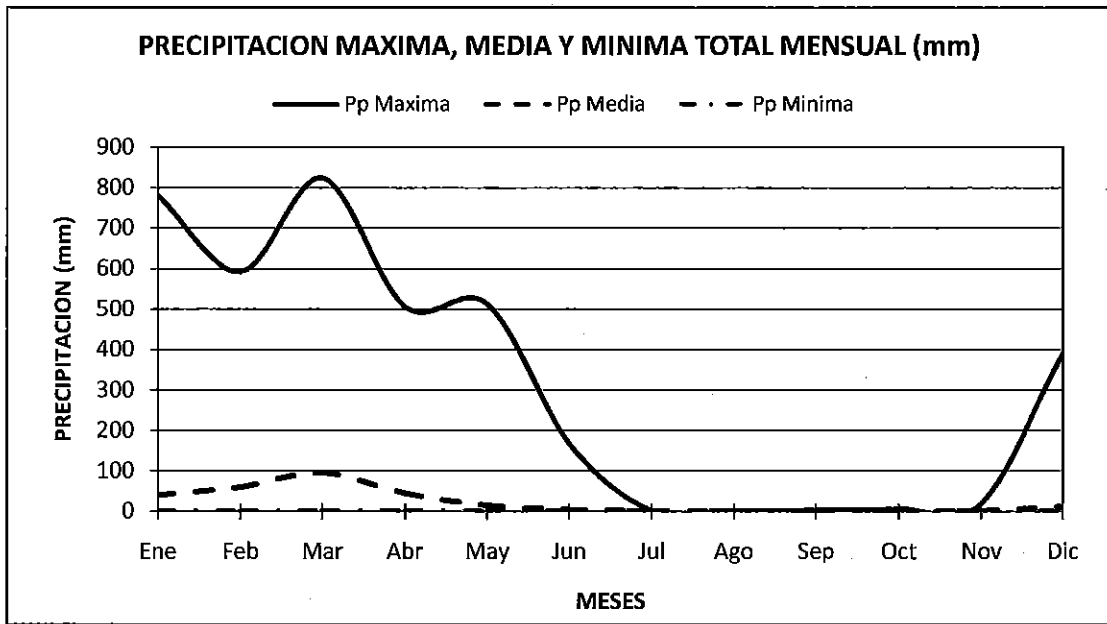


PRECIPITACION TOTAL MENSUAL (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CHIRA	PANANGA	PIURA	80° 53'53	04° 33'33

Año	Mes												Total
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1963											0.0	10.9	
1964	0.0	2.9	4.0	6.5	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	15.9
1965	0.0	19.0	350.8	194.8	9.0	0.0	0.0	0.0	3.0	1.0	1.0	6.1	584.7
1966	0.0	48.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.4	1.9	51.4
1967	16.7	10.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	3.0	0.0	0.0	30.3
1968	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	2.8
1969	8.5	0.0	49.8	11.6	0.0	0.0	0.0	0.0	0.0	0.0	3.5	1.0	74.6
1970	3.6	1.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	1.6	8.0
1971	2.3	11.7	90.3	3.4	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.8	108.8
1972	0.5	27.0	210.8	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	251.2
1973	57.3	27.1	25.8	0.0	0.0	0.1	0.0	0.0	0.1	0.2	0.1	0.0	110.7
1974	0.1	3.6	0.0	4.4	0.0	7.1	0.0	0.0	0.1	0.1	0.3	0.0	15.7
1975	2.5	105.5	83.6	0.0	0.0	0.0	0.0	0.1	0.0	1.3	0.0	0.0	193.0
1976	23.1	26.6	41.6	0.0	11.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	103.1
1977	1.9	116.1	43.2	4.3	0.0	0.0	2.5	0.0	2.8		0.0	1.2	
1978	3.4	11.5	67.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.3
1979	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6
1980	0.0	3.2	20.8	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.2
1981	0.0	0.0	26.2	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.5
1982	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	11.7	69.9	85.8
1983	553.5	198.6	315.8	506.0	512.7	167.5	0.0	0.0	0.0	0.0	0.0	6.3	2260.5
1984	12.3	67.8	80.9	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	189.5
1985	0.0	10.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.4
1986	51.0	37.8	0.0	53.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	150.2
1987	55.2	226.7	180.8	83.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	547.4
1988	6.4	2.4	0.0	32.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.8
1989	23.0	91.9	111.4	0.0	0.0	4.3	0.0	0.0	0.0	5.7	0.0	0.0	238.3
1990	0.0	2.3	5.7	0.0	2.4	0.0	0.0	0.0	0.0	4.3	3.2	0.0	18.0
1991	31.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.9
1992	0.0	0.0	0.0	11.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.7
1993	0.0	148.0	38.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	186.5
1994	0.0	34.8	26.6	4.7	5.4	0.0	0.0	0.0	0.0	0.0	0.0	9.5	81.0
1995	2.3	36.8	16.2	6.9	0.0	0.0	0.1	0.0	0.0	0.0	3.5	4.4	70.2
1996	4.7	3.8	36.1	0.0	2.5	0.0	0.0	0.0	0.0	0.1	0.0	0.0	47.2
1997	1.0	30.0	105.0	38.6	21.5	0.0	0.0	0.0	3.6	5.4	20.4	390.1	615.7
1998	780.7	592.9	824.1	364.3	78.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2640.4
1999	8.8	171.5	54.3	55.4	10.6	1.7	0.0	0.0	0.0	1.0	0.0	4.4	307.6
2000	0.0	16.5	27.5	87.8	8.6	0.0	0.0	0.0	0.0	0.0	0.0	10.7	151.2
2001	49.0	23.9	561.6	211.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	846.4
2002	0.0	66.6	423.4	237.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	727.6
2003	7.8	50.6	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	68.3
2004	0.0	20.1	58.8	1.2	1.0	0.0	0.0	0.0	0.0	1.0	0.0	1.3	83.5
2005	0.0	55.8	44.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	100.9
2006	1.2	145.8	55.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	205.0
2007	10.8	0.0	60.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.1
2008	78.1	171.7	262.1	62.6	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0	581.0
2009	46.9	75.1	66.3	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	190.5
2010	1.0	119.9		11.5	2.1								
Pp Maxima	780.7	592.9	824.1	506.0	512.7	167.5	2.5	0.1	3.6	6.5	20.4	390.1	2640.4
Pp Media	39.3	59.9	95.2	43.8	14.3	3.9	0.1	0.0	0.2	0.8	0.9	11.4	272.5
Pp Minima	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8

CUENCA CHIRA	ESTACION PANANGA	DEPARTAMENTO PIURA	LONGITUD 80° 53'53	LATITUD 04° 33'33
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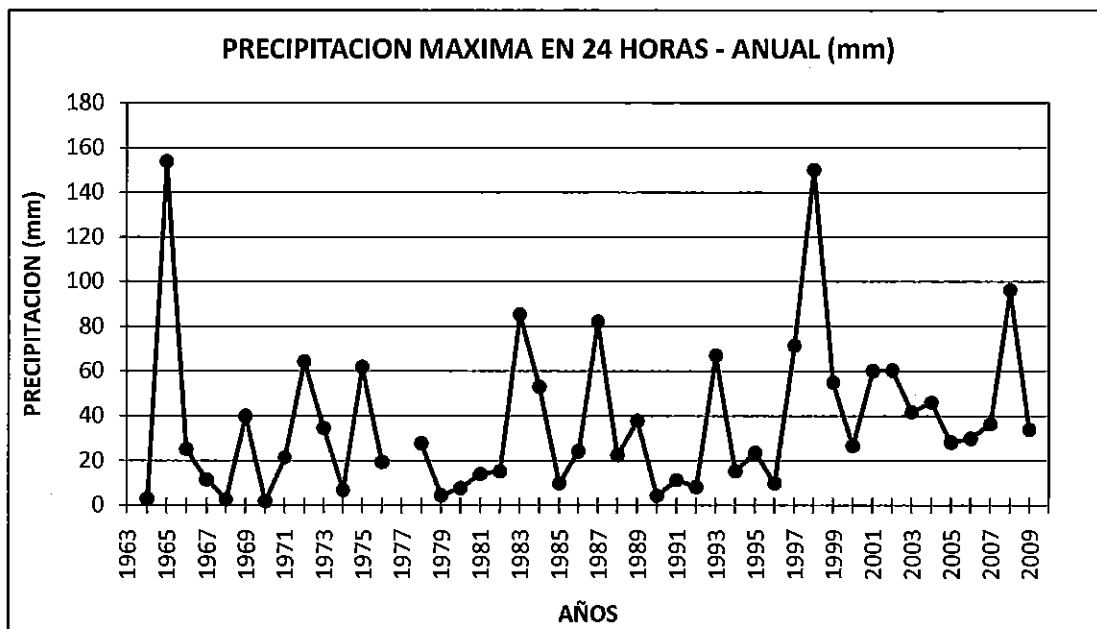


PRECIPITACION MAXIMA EN 24 HORAS (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CHIRA	PANANGA	PIURA	80° 53'53	04° 33'33

Año	Mes												Máx.
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1963											0.0	10.9	
1964	0.0	1.9	2.0	3.2	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	3.2
1965	0.0	10.3	154.0	47.6	9.0	0.0	0.0	0.0	3.0	1.0	1.0	4.4	154.0
1966	0.0	25.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	1.9	25.3
1967	11.6	4.7	0.0	0.0	0.4	0.0	0.0	0.0	0.0	3.0	0.0	0.0	11.6
1968	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	2.7
1969	6.5	0.0	40.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0	2.2	1.0	40.0
1970	1.9	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.9
1971	2.3	7.4	21.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	21.5
1972	0.5	23.0	64.4	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	64.4
1973	34.6	11.4	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	34.6
1974	0.0	1.8	0.0	4.4	0.0	7.0	0.0	0.0	0.0	0.0	0.3	0.0	7.0
1975	2.0	62.0	23.5	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	62.0
1976	15.6	7.1	19.4	0.0	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.4
1977	1.9	61.4	13.7	2.6	0.0	0.0	2.5	0.0	1.8		0.0	1.2	
1978	3.4	5.1	27.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.7
1979	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5
1980	0.0	3.2	7.8	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8
1981	0.0	0.0	14.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0
1982	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	7.4	15.3	15.3
1983	80.0	37.7	85.5	64.0	73.0	60.0	0.0	0.0	0.0	0.0	0.0	4.3	85.5
1984	10.4	53.0	25.4	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.0
1985	0.0	10.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
1986	23.4	22.4	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	24.3
1987	33.4	82.2	57.2	17.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.2
1988	6.4	2.3	0.0	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.7
1989	14.3	19.3	37.8	0.0	0.0	4.3	0.0	0.0	0.0	3.4	0.0	0.0	37.8
1990	0.0	2.3	3.4	0.0	2.4	0.0	0.0	0.0	0.0	4.3	3.2	0.0	4.3
1991	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4
1992	0.0	0.0	0.0	8.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
1993	0.0	67.2	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.2
1994	0.0	15.4	10.3	4.6	5.4	0.0	0.0	0.0	0.0	0.0	0.0	5.2	15.4
1995	2.3	23.7	9.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	2.3	4.3	23.7
1996	4.7	2.3	10.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
1997	1.0	16.4	60.4	20.2	16.8	0.0	0.0	0.0	3.6	5.4	10.0	71.4	71.4
1998	96.6	150.1	102.4	48.2	30.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	150.1
1999	8.8	55.0	18.7	18.0	6.0	1.6	0.0	0.0	0.0	1.0	0.0	4.4	55.0
2000	0.0	6.4	20.4	26.7	8.6	0.0	0.0	0.0	0.0	0.0	0.0	6.4	26.7
2001	25.2	18.4	45.0	60.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.2
2002	0.0	51.4	60.5	53.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.5
2003	7.8	41.8	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	41.8
2004	0.0	6.4	46.1	1.2	1.0	0.0	0.0	0.0	0.0	1.0	0.0	1.3	46.1
2005	0.0	25.0	28.3	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	28.3
2006	1.2	29.9	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	29.9
2007	7.4	0.0	36.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.4
2008	27.6	46.3	96.3	25.1	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0	96.3
2009	26.1	25.3	34.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0
2010	1.0	68.1		9.7	2.1								

CUENCA CHIRA	ESTACION PANANGA	DEPARTAMENTO PIURA	LONGITUD 80° 53'53	LATITUD 04° 33'33
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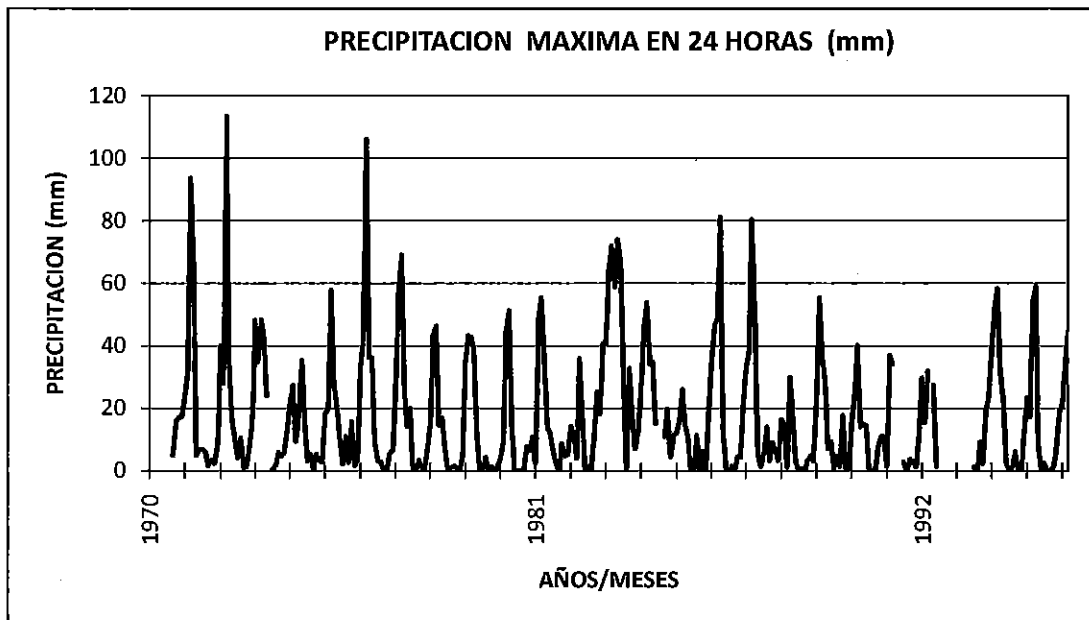
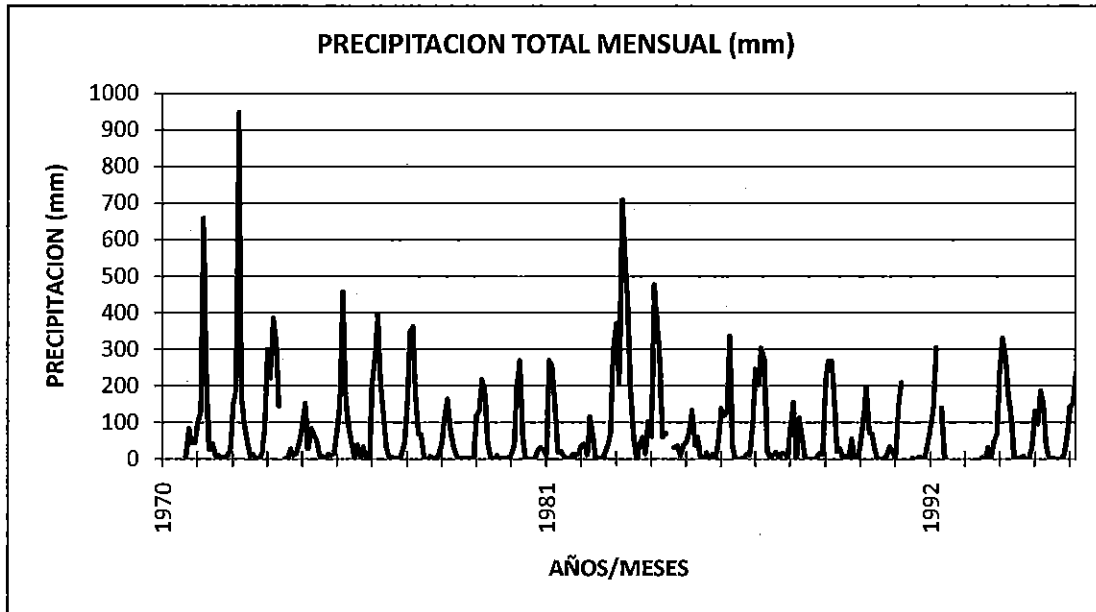
PRECIPITACION TOTAL ANUAL (mm)

CUENCA CHIRA	ESTACION PANANGA	DEPARTAMENTO PIURA	LONGITUD 80° 53'53	LATITUD 04° 33'33
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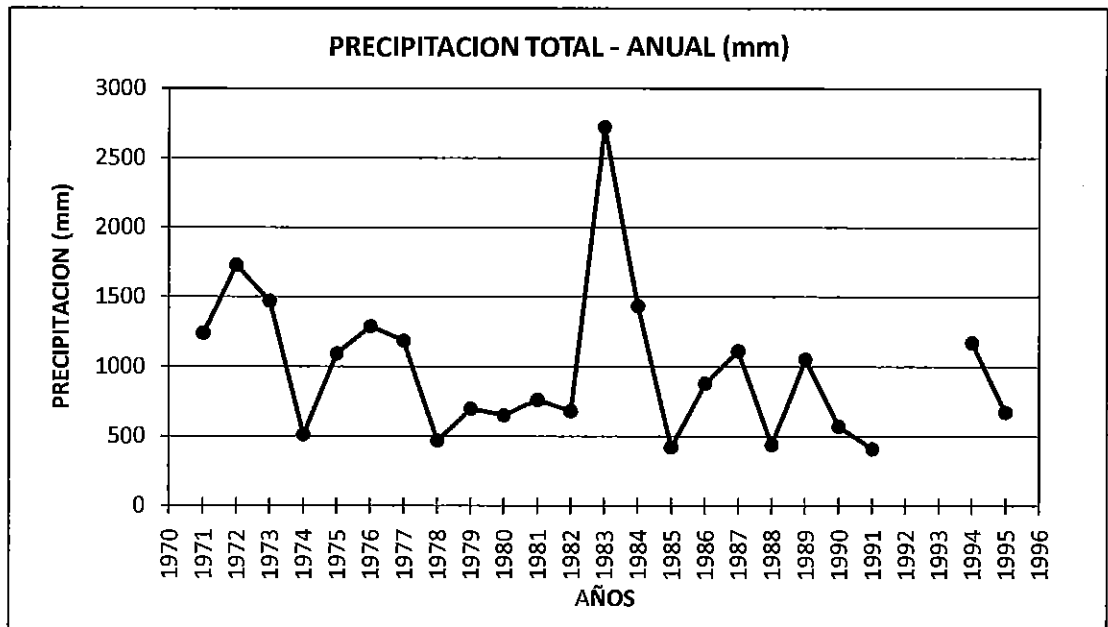
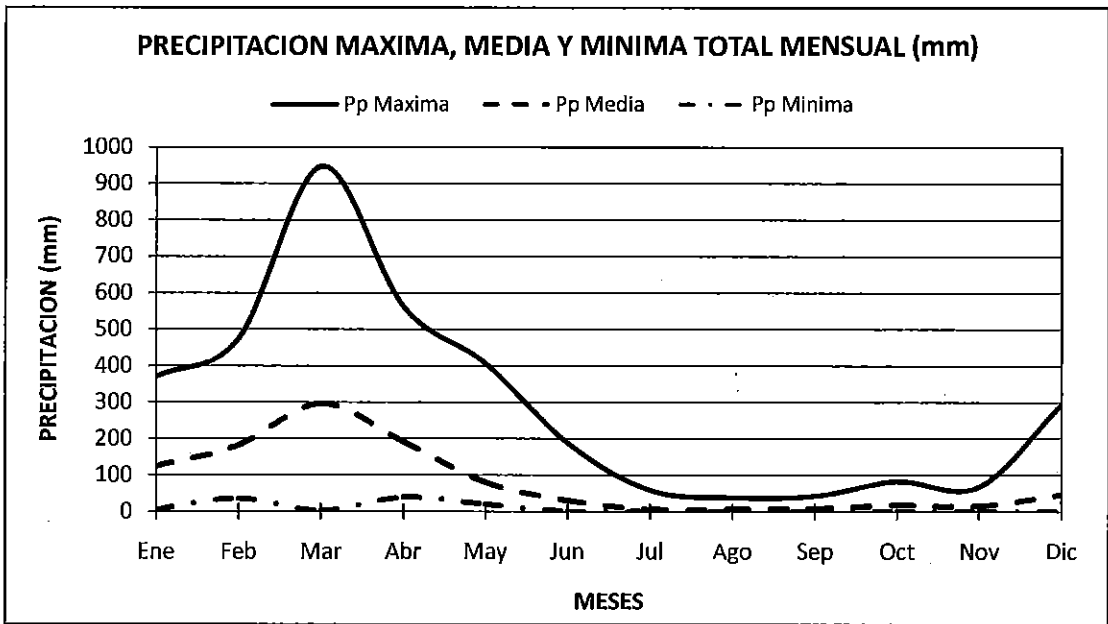
Año	Total
1963	
1964	15.9
1965	584.7
1966	51.4
1967	30.3
1968	2.8
1969	74.6
1970	8.0
1971	108.8
1972	251.2
1973	110.7
1974	15.7
1975	193.0
1976	103.1
1977	
1978	82.3
1979	4.6
1980	29.2
1981	30.5
1982	85.8
1983	2260.5
1984	189.5
1985	16.4
1986	150.2
1987	547.4
1988	41.8
1989	236.3
1990	18.0
1991	31.9
1992	14.7
1993	186.5
1994	81.0
1995	70.2
1996	47.2
1997	615.7
1998	2640.4
1999	307.6
2000	151.2
2001	846.4
2002	727.6
2003	68.3
2004	83.5
2005	100.9
2006	205.0
2007	71.1
2008	581.0
2009	190.5
2010	

CUENCA	CHIRA
ESTACION	MONTERO

CUENCA CHIRA	ESTACION MONTERO	DEPARTAMENTO PIURA	LONGITUD 79° 50'1	LATITUD 04° 38'1
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CUENCA CHIRA	ESTACION MONTERO	DEPARTAMENTO PIURA	LONGITUD 79° 50'1	LATITUD 04° 38'1
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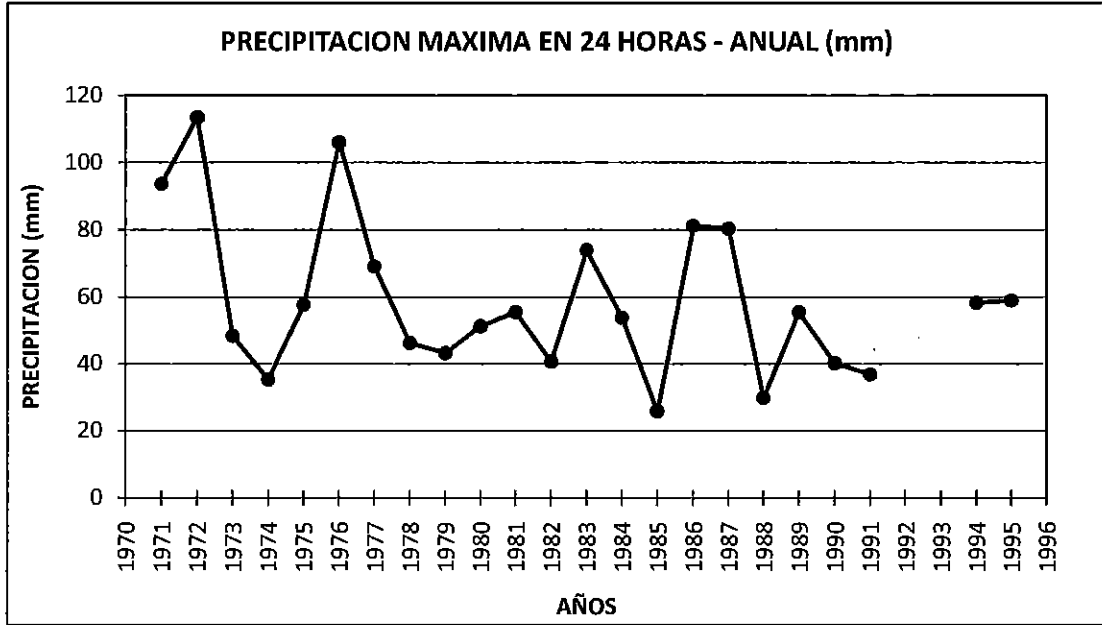


PRECIPITACION MAXIMA EN 24 HORAS (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CHIRA	MONTERO	PIURA	79° 50'1	04° 38'1

Año	Mes												Máx.
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1970				15.0					5.0	16.0	17.0	17.6	
1971	24.0	31.8	93.7	65.5	5.0	6.8	6.8	6.0	1.8	3.5	2.3	8.9	93.7
1972	40.0	28.0	113.5	35.0	16.1	10.3	4.2	10.4	1.1	1.3	8.5	16.5	113.5
1973	48.3	34.9	48.4	44.0	24.1		0.6	1.9	5.9	4.7	5.9	13.3	48.4
1974	21.8	27.4	9.5	18.8	35.3	15.4	3.1	5.2	0.6	5.3	3.3	2.8	35.3
1975	18.2	20.0	57.8	27.6	20.3	11.3	2.1	10.9	2.7	15.8	1.7	3.6	57.8
1976	33.9	41.4	106.1	36.3	36.2	9.1	3.2	2.8	0.5	0.7	5.4	6.7	106.1
1977	27.9	57.2	69.1	25.1	14.3	20.1	0.4	0.0	3.4	1.3	0.4	7.6	69.1
1978	15.5	43.7	46.3	14.6	16.9	7.4	0.0	1.1	1.7	1.0	0.4	4.2	46.3
1979	34.7	43.3	42.7	38.3	11.5	0.4	0.6	4.3	0.0	1.5	0.0	1.9	43.3
1980	3.7	9.5	45.1	51.3	15.5	0.0	0.0	0.0	0.0	7.7	6.6	10.7	51.3
1981	2.4	49.4	55.5	34.9	13.7	12.2	6.1	2.4	0.0	8.6	4.8	5.3	55.5
1982	14.2	11.7	4.0	35.9	15.6	0.0	1.6	0.0	11.3	25.3	18.2	40.7	40.7
1983	41.1	64.5	72.0	58.9	74.0	66.5	31.1	0.7	32.7	15.9	7.0	13.1	74.0
1984	27.1	46.7	53.8	34.1	34.7	15.1			10.9	19.7	4.5	11.4	53.8
1985	12.1	15.8	25.9	14.9	10.6	0.0	0.0	11.2	0.4	6.1	0.3	18.2	25.9
1986	34.6	46.7	48.6	81.2	13.5	0.0	0.0	1.5	0.0	4.6	4.4	21.1	81.2
1987	32.8	38.2	80.4	49.7	5.6	1.5	6.0	14.0	3.3	9.0	5.9	3.4	80.4
1988	16.4	15.0	1.2	29.9	15.0	2.8	0.0	0.8	0.0	3.2	4.7	3.1	29.9
1989	24.1	55.5	36.0	28.2	7.0	9.3	1.0	4.8	1.5	17.7	1.1	0.0	55.5
1990	15.4	23.8	40.2	14.1	14.9	14.4	0.0	0.0	0.0	7.7	10.9	10.9	40.2
1991	1.6	36.9	34.2				2.8	0.0	3.7	2.9	1.4	11.7	36.9
1992	29.7	15.5	31.9		27.4	1.5							
1993							1.2	0.0	9.2	2.3	19.5	23.1	
1994	38.9	52.4	58.3	31.7	21.9	2.6	0.0	1.4	6.1	0.1	0.2	11.4	58.3
1995	23.4	17.4	54.1	59.0	8.3	0.0	2.4	0.1	0.0	1.1	6.1	18.7	59.0
1996	21.3	34.1	44.8										

CUENCA CHIRA	ESTACION MONTERO	DEPARTAMENTO PIURA	LONGITUD 79° 50'1	LATITUD 04° 38'1
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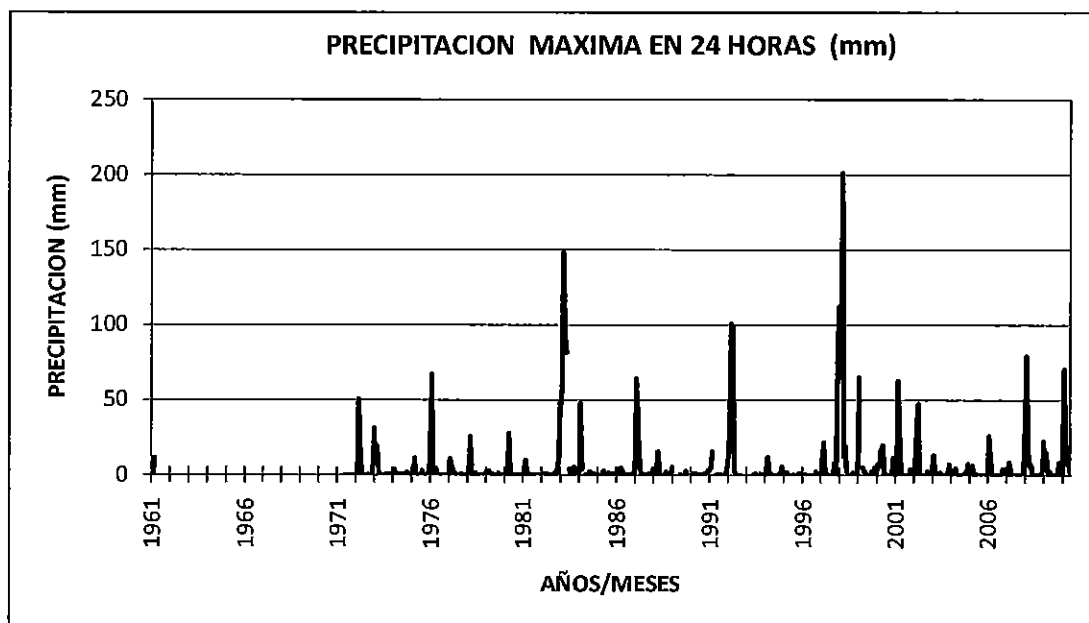
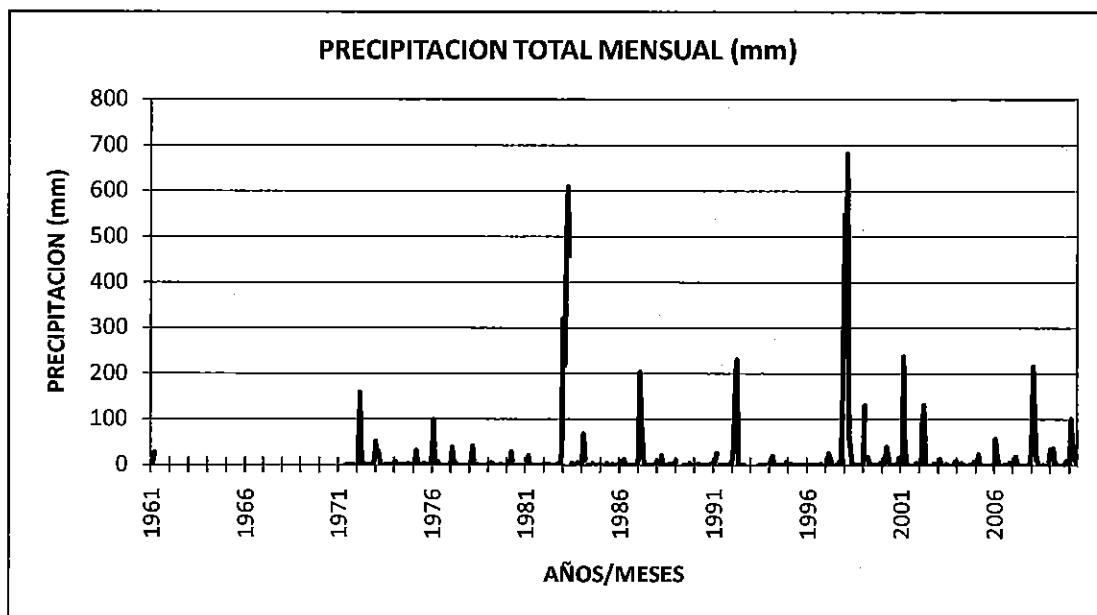
PRECIPITACION TOTAL ANUAL (mm)

CUENCA CHIRA	ESTACION MONTERO	DEPARTAMENTO PIURA	LONGITUD 79° 50'1	LATITUD 04° 38'1
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Año	Total
1970	
1971	1242.9
1972	1732.7
1973	1472.4
1974	513.1
1975	1094.5
1976	1291.2
1977	1187.6
1978	470.2
1979	697.7
1980	651.2
1981	764.4
1982	681.8
1983	2724.9
1984	1436.8
1985	423.8
1986	881.9
1987	1114.5
1988	441.9
1989	1054.2
1990	573.1
1991	411.1
1992	
1993	
1994	1174.3
1995	675.1
1996	

CUENCA	CHIRA
ESTACION	MALLARES

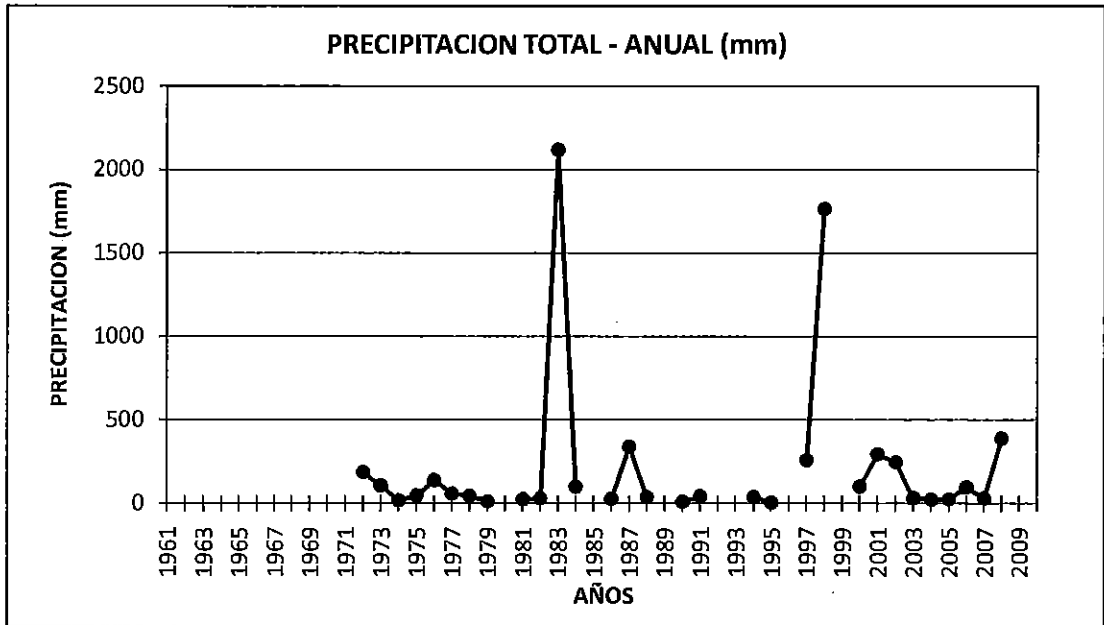
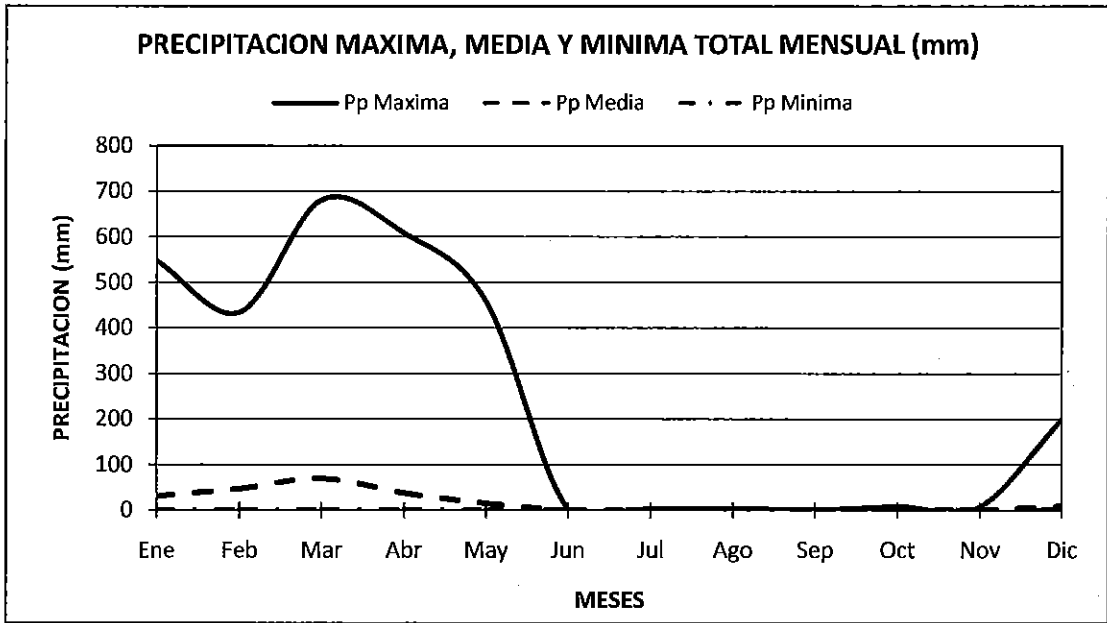
CUENCA CHIRA	ESTACION MALLARES	DEPARTAMENTO PIURA	LONGITUD 80° 44'44	LATITUD 04° 51'51
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PRECIPITACION TOTAL MENSUAL (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD									
CHIRA	MALLARES	PIURA	80° 44'44	04° 51'51									
Año	Mes												Total
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1961	20.6	1.8	28.0										
1962													
1963													
1964													
1965													
1966													
1967													
1968													
1969													
1970													
1971						0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
1972	0.0	0.2	158.4	18.0	1.3	0.1	0.0	0.0	0.4	0.0	0.0	7.6	186.0
1973	50.7	17.1	29.8	5.5	0.0	0.0	0.0	0.0	0.7	0.2	0.3	1.0	105.4
1974	2.3	7.6	0.9	0.6	0.3	0.4	0.0	0.0	1.4	2.7	0.8	0.0	17.1
1975	2.7	4.3	32.1	0.9	0.1	0.5	0.0	3.5	0.1	0.4	0.6	0.0	45.2
1976	24.6	99.7	3.1	4.9	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	139.0
1977	1.0	39.5	9.8	5.0	1.1	0.2	0.0	0.0	0.8	0.0	0.0	0.0	57.4
1978	0.0	0.2	41.1	0.4	1.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0	44.4
1979	2.7	0.2	5.2	1.5	0.6	0.0	0.0	0.0	1.2	0.0	0.0	0.2	11.6
1980	0.0	0.5	4.6	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1981	0.0	4.1	19.9	0.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.9
1982	0.0	0.6	0.0	1.1	0.0	0.0	0.0	0.0	1.1	2.6	2.3	22.7	30.4
1983	321.0	218.2	500.0	608.7	458.5		4.0	0.0	5.4	0.2	3.1	2119.1	
1984	1.5	67.6	11.7		0.0	0.2	0.7	3.2	0.9	0.3	0.6	0.0	99.4
1985	0.3	0.0		0.2	3.2	0.0	0.0	1.3	0.0	0.7	0.0	1.8	
1986	2.3	7.7	1.4	12.6	2.0	0.0	0.0	0.1	0.0	0.0	0.8	0.1	27.0
1987	9.6	203.8	92.2	33.4	0.0	0.0	0.3	0.0	0.9	0.7	0.0	0.0	340.9
1988	9.6	2.4	1.4	20.2	0.1	0.0	0.0	0.0	1.8	0.0	1.7	0.0	37.2
1989	9.5					0.0	0.0	0.0	0.4	4.3	0.0	0.0	
1990	0.1	0.9	1.4	1.1	0.0	0.1	0.0	0.0	0.0	1.3	0.0	4.3	9.2
1991	3.3	5.9	26.9		0.0	0.2	0.0	0.0	0.0	0.0	0.2	4.9	41.4
1992	8.8	42.5	202.4	230.8	4.2	1.4	0.0	0.0	0.0			0.3	
1993						0.2	1.0	0.0	0.0	0.9	0.1	0.0	
1994	1.2	9.7	19.2	1.1	0.7	0.0	0.0	0.0	0.3	0.0	0.0	6.6	38.8
1995	0.0	2.1	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	5.1
1996		0.2	1.3	0.0	0.0	0.1	0.0	0.0	0.0	2.8	0.0	0.0	
1997	0.0	11.5	25.0	13.9	0.0	0.0	0.0	0.0	0.0	8.4	1.8	199.3	259.9
1998	548.0	434.6	681.4	60.6	34.1	2.7	0.1	0.0	0.0	1.4	1.0	0.3	1764.2
1999	8.0	130.8		17.5	4.6	2.0	0.0	0.0	0.2	2.2	0.0	5.4	
2000	1.8	12.6	8.3	39.2	21.3	0.8	0.0	0.0	0.0	0.0	0.0	17.0	101.0
2001	7.9	5.8	238.1	35.4	0.0	0.0	0.0	0.0	0.3	0.0	3.9	4.2	295.6
2002	0.1	5.0	103.0	131.2	0.0	0.0	0.0	0.0	0.0	2.5	2.7	1.3	245.8
2003	4.8	13.2	2.0	0.0	0.0	2.0	0.3	0.0	0.0	0.0	1.6	8.6	32.5
2004	7.5	1.7	1.1	4.8	0.0	0.0	0.0	0.0	0.0	1.3	0.0	7.6	24.0
2005	0.0	0.0	23.4	0.3	0.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	24.4
2006	0.0	57.5	27.2	1.3	0.0	0.0	0.6	0.0	0.3	0.2	4.4	4.2	95.7
2007	6.4	0.0	18.6	3.4	0.2	0.0	0.0	0.0	0.0	0.0	0.9	1.3	30.8
2008	55.6	215.8	98.1	11.4	6.4	0.2	0.1	0.6	0.0	0.1	0.9	0.0	389.2
2009	34.0	32.5	35.9	0.6	2.1	0.4	0.1	0.0	0.0	0.8	8.5		
2010	3.2	100.7	51.9	15.6	6.7	0.6							
Pp Maxima	548.0	434.6	681.4	608.7	458.5	2.7	4.0	3.5	1.8	8.4	8.5	199.3	2119.1
Pp Media	30.2	46.3	69.6	37.5	15.0	0.4	0.2	0.2	0.3	1.0	0.9	8.2	221.5
Pp Minima	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.1

CUENCA CHIRA	ESTACION MALLARES	DEPARTAMENTO PIURA	LONGITUD 80° 44'44	LATITUD 04° 51'51
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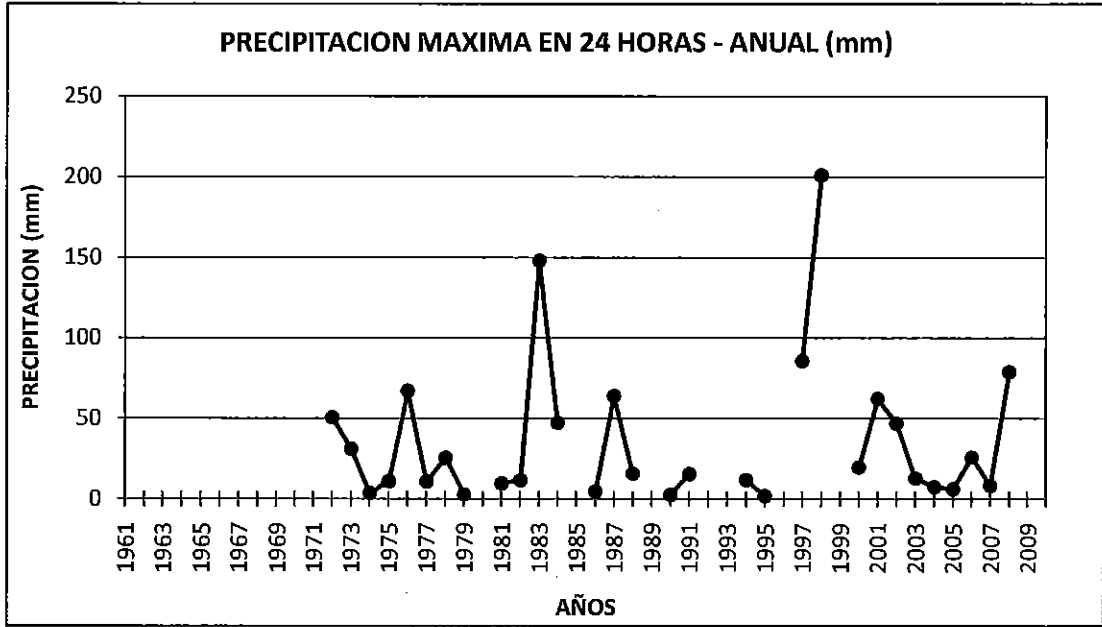


PRECIPITACION MAXIMA EN 24 HORAS (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CHIRA	MALLARES	PIURA	80° 44'44	04° 51'51

Año	Mes												Máx.
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1961	7.6	0.9	11.4										
1962													
1963													
1964													
1965													
1966													
1967													
1968													
1969													
1970													
1971						0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1972	0.0	0.2	50.5	17.2	0.9	0.1	0.0	0.0	0.2	0.0	0.0	3.5	50.5
1973	31.0	8.2	19.7	3.1	0.0	0.0	0.0	0.0	0.6	0.2	0.3	0.7	31.0
1974	1.0	3.5	0.6	0.4	0.2	0.4	0.0	0.0	1.0	1.8	0.4	0.0	3.5
1975	1.3	1.5	10.9	0.4	0.1	0.3	0.0	2.6	0.1	0.3	0.6	0.0	10.9
1976	12.4	67.3	0.9	4.9	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.3
1977	0.4	10.8	5.9	2.1	1.1	0.2	0.0	0.0	0.6	0.0	0.0	0.0	10.8
1978	0.0	0.2	25.6	0.4	0.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	25.6
1979	1.7	0.2	2.7	0.7	0.6	0.0	0.0	0.0	1.0	0.0	0.0	0.2	2.7
1980	0.0	0.5	3.9	27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1981	0.0	2.3	9.6	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6
1982	0.0	0.6	0.0	0.9	0.0	0.0	0.0	0.0	0.7	1.6	2.1	11.5	11.5
1983	49.7	47.5	148.1	93.0	81.6		4.0	0.0	0.0	5.4	0.2	1.4	148.1
1984	1.5	47.3	4.2		0.0	0.2	0.4	2.0	0.9	0.3	0.6	0.0	47.3
1985	0.2	0.0		0.2	2.7	0.0	0.0	1.2	0.0	0.7	0.0	0.8	
1986	1.2	4.0	0.8	4.7	2.0	0.0	0.0	0.1	0.0	0.0	0.5	0.1	4.7
1987	4.3	64.0	37.0	8.5	0.0	0.0	0.1	0.0	0.0	0.6	0.5	0.0	64.0
1988	4.2	1.9	1.4	15.7	0.1	0.0	0.0	0.0	1.8	0.0	1.0	0.0	15.7
1989	5.0					0.0	0.0	0.0	0.4	2.3	0.0	0.0	
1990	0.1	0.7	0.9	0.8	0.0	0.1	0.0	0.0	0.0	0.8	0.0	2.6	2.6
1991	3.3	4.5	15.4		0.0	0.2	0.0	0.0	0.0	0.0	0.2	2.3	15.4
1992	8.6	28.8	100.4	98.7	2.6	1.3	0.0	0.0	0.0			0.1	
1993						0.2	0.9	0.0	0.0	0.7	0.1	0.0	
1994	0.5	3.4	11.7	0.7	0.7	0.0	0.0	0.0	0.3	0.0	0.0	5.2	11.7
1995	0.0	1.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.8
1996		0.2	0.7	0.0	0.0	0.1	0.0	0.0	0.0	2.0	0.0	0.0	
1997	0.0	7.6	21.8	3.5	0.0	0.0	0.0	0.0	0.0	8.2	0.5	85.8	85.8
1998	112.3	64.6	201.0	12.4	19.1	2.7	0.1	0.0	0.0	1.4	0.8	0.2	201.0
1999	7.5	64.8		5.1	3.0	1.8	0.0	0.0	0.2	2.2	0.0	5.1	
2000	1.8	7.0	5.9	16.5	19.7	0.3	0.0	0.0	0.0	0.0	0.0	11.5	19.7
2001	4.7	1.8	62.5	28.5	0.0	0.0	0.0	0.0	0.3	0.0	3.8	3.1	62.5
2002	0.1	2.6	35.0	47.1	0.0	0.0	0.0	0.0	0.0	2.5	1.0	0.5	47.1
2003	3.1	12.9	1.9	0.0	0.0	1.5	0.3	0.0	0.0	0.0	1.6	7.1	12.9
2004	3.0	0.7	1.1	4.4	0.0	0.0	0.0	0.0	0.0	1.1	0.0	7.3	7.3
2005	0.0	0.0	6.1	0.3	0.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	6.1
2006	0.0	25.8	10.9	1.1	0.0	0.0	0.4	0.0	0.3	0.2	4.1	3.3	25.8
2007	4.0	0.0	8.4	1.7	0.2	0.0	0.0	0.0	0.0	0.0	0.5	1.1	8.4
2008	28.0	79.0	15.5	5.9	6.0	0.2	0.1	0.3	0.0	0.1	0.6	0.0	79.0
2009	22.1	10.3	14.7	0.3	2.1	0.4	0.1	0.0	0.0	0.8	8.4		
2010	2.0	70.4	22.7	7.3	6.3	0.6							

CUENCA CHIRA	ESTACION MALLARES	DEPARTAMENTO PIURA	LONGITUD 80° 44'44	LATITUD 04° 51'51
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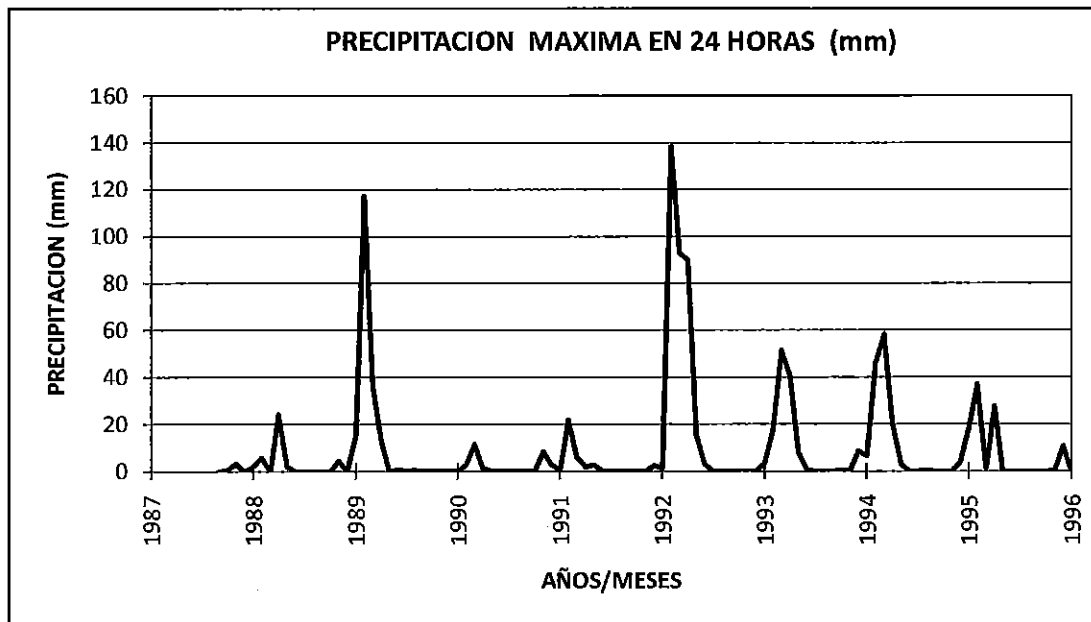
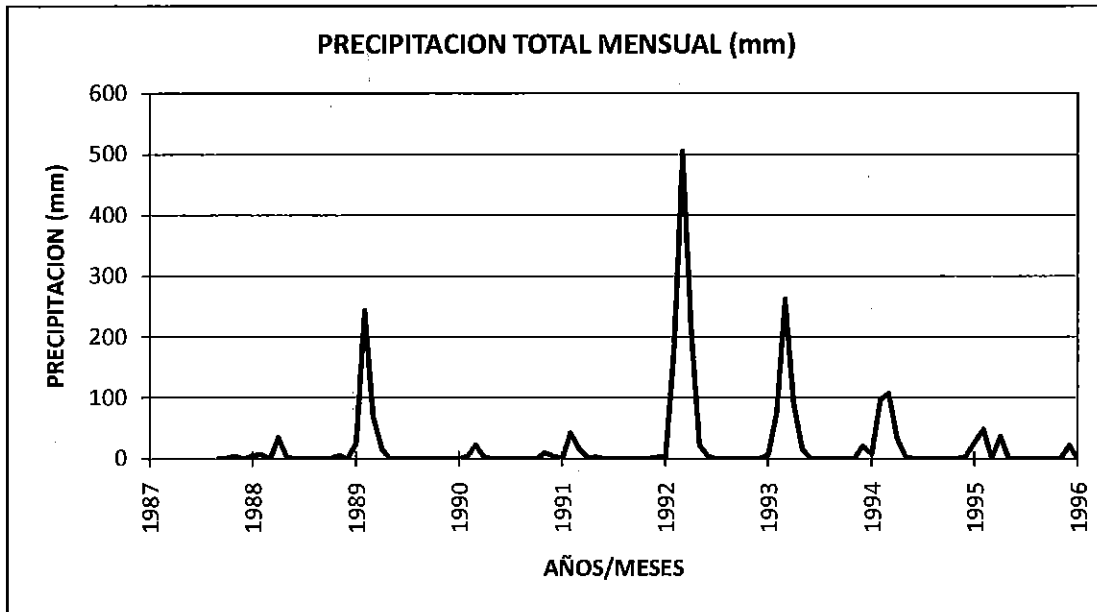
PRECIPITACION TOTAL ANUAL (mm)

CUENCA CHIRA	ESTACION MALLARES	DEPARTAMENTO PIURA	LONGITUD 80° 44'44	LATITUD 04° 51'51
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Año	Total
1961	
1962	
1963	
1964	
1965	
1966	
1967	
1968	
1969	
1970	
1971	
1972	186.0
1973	105.4
1974	17.1
1975	45.2
1976	139.0
1977	57.4
1978	44.4
1979	11.6
1980	
1981	25.9
1982	30.4
1983	2119.1
1984	99.4
1985	
1986	27.0
1987	340.9
1988	37.2
1989	
1990	9.2
1991	41.4
1992	
1993	
1994	38.8
1995	5.1
1996	
1997	259.9
1998	1764.2
1999	
2000	101.0
2001	295.6
2002	245.8
2003	32.5
2004	24.0
2005	24.4
2006	95.7
2007	30.8
2008	389.2
2009	
2010	

CUENCA	CHIRA
ESTACION	LAS LOMAS 2

CUENCA CHIRA	ESTACION LAS LOMAS 2	DEPARTAMENTO PIURA	LONGITUD 80° 15'1	LATITUD 04° 38'1
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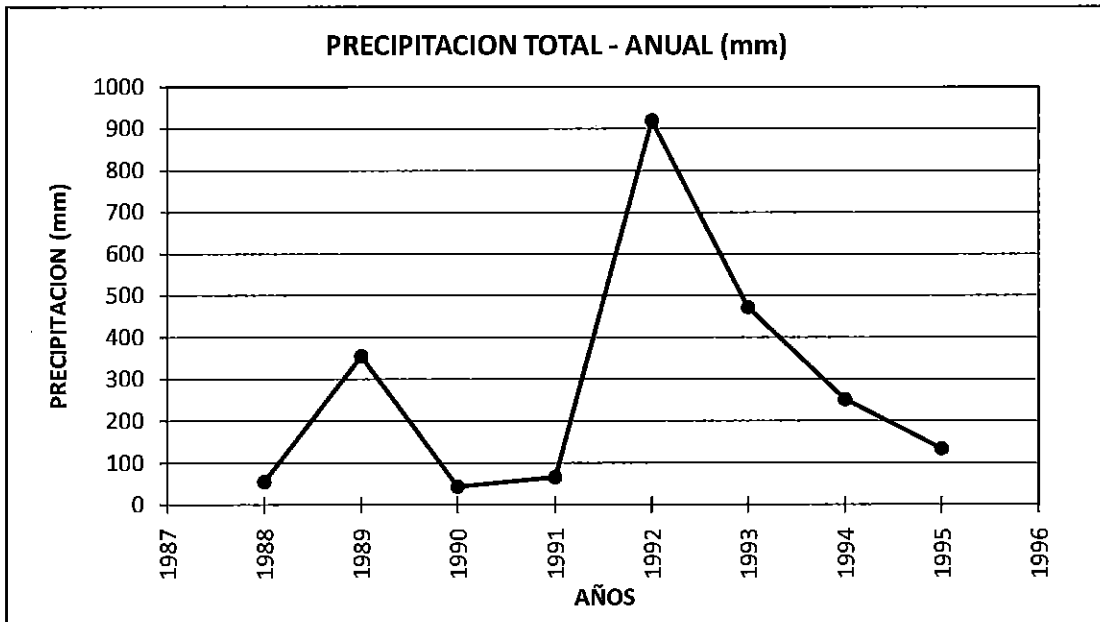
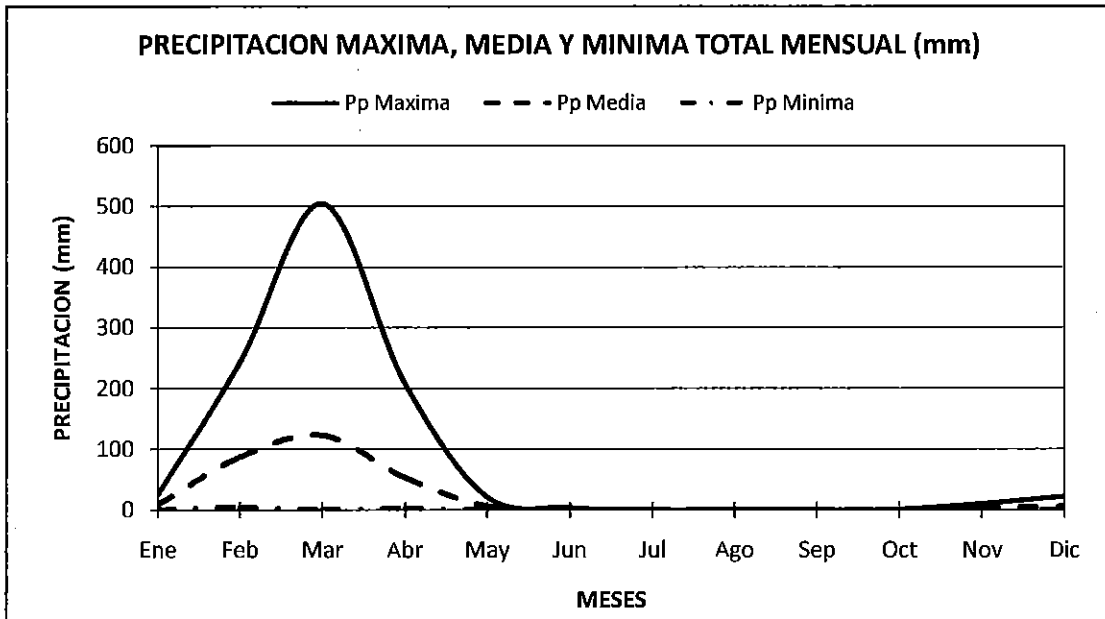


PRECIPITACION TOTAL MENSUAL (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CHIRA	LAS LOMAS 2	PIURA	80° 15'	04° 38'

Año	Mes												Total
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1987									0.0	1.1	4.2	0.0	
1988	5.3	6.9	0.2	35.2	2.9	0.0	0.0	0.0	0.0	0.0	5.5	0.0	56.0
1989	26.0	243.9	69.4	15.3	0.0	0.7	0.3	0.6	0.0	0.0	0.0	0.0	356.3
1990	0.0	3.9	22.3	2.9	0.2	0.0	0.0	0.0	0.0	0.0	10.1	4.1	43.6
1991	0.7	42.5	15.9	2.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	2.5	66.4
1992	2.7	179.2	505.2	207.3	21.8	3.9	0.0	0.1	0.0	0.0	0.0	0.1	920.3
1993	5.8	75.4	262.3	91.5	15.1	0.5	0.0	0.0	0.0	0.5	0.0	20.8	471.9
1994	8.4	96.2	107.0	33.2	3.0	0.1	0.1	0.5	0.0	0.0	0.0	3.7	252.1
1995	26.1	47.7	1.4	36.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2	134.0
1996	0.0												
Pp Maxima	26.1	243.9	505.2	207.3	21.8	3.9	0.3	0.6	0.0	1.1	10.1	22.2	920.3
Pp Media	8.3	86.9	123.0	53.0	5.7	0.6	0.1	0.1	0.0	0.2	2.2	5.9	287.6
Pp Minima	0.0	3.9	0.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.6

CUENCA CHIRA	ESTACION LAS LOMAS 2	DEPARTAMENTO PIURA	LONGITUD 80° 15'1	LATITUD 04° 38'1
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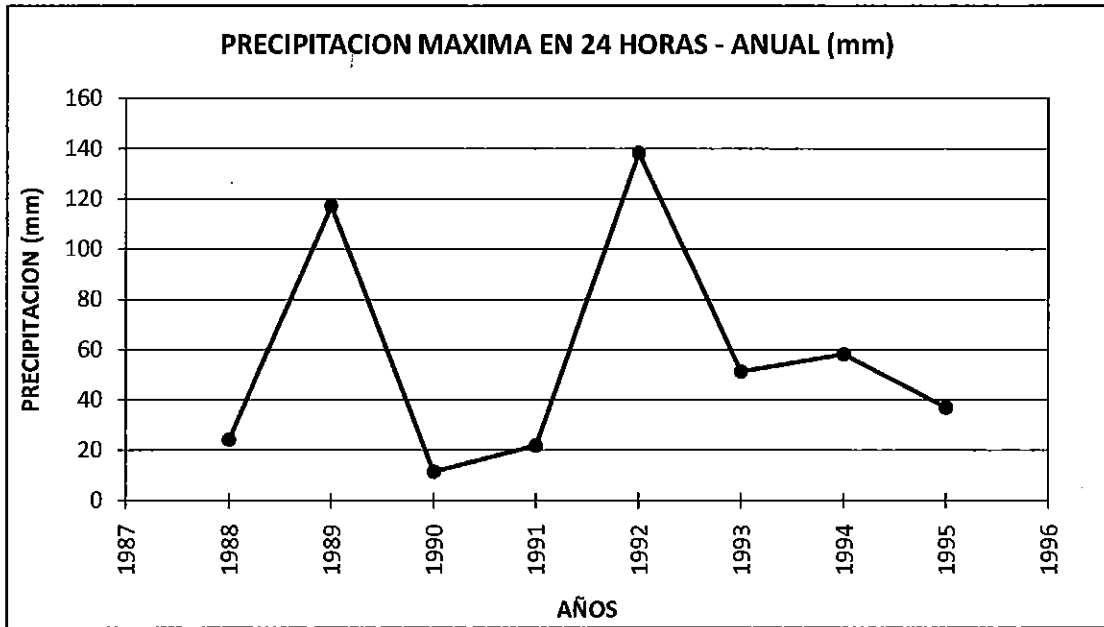


PRECIPITACION MAXIMA EN 24 HORAS (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CHIRA	LAS LOMAS 2	PIURA	80° 15'1	04° 38'1

Año	Mes												Máx.
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1987									0.0	0.7	3.2	0.0	
1988	2.0	5.7	0.2	24.2	2.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	24.2
1989	15.3	117.3	36.5	13.0	0.0	0.7	0.3	0.4	0.0	0.0	0.0	0.0	117.3
1990	0.0	2.7	11.5	1.3	0.2	0.0	0.0	0.0	0.0	0.0	8.4	2.9	11.5
1991	0.7	21.8	6.0	2.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	2.5	21.8
1992	1.3	138.3	92.7	90.1	15.3	3.1	0.0	0.0	0.0	0.0	0.0	0.0	138.3
1993	3.2	17.7	51.3	40.5	7.9	0.5	0.0	0.0	0.0	0.5	0.0	8.6	51.3
1994	6.5	46.2	58.2	20.4	3.0	0.0	0.0	0.5	0.0	0.0	0.0	3.6	58.2
1995	18.8	37.0	1.3	27.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	37.0
1996	0.0												

CUENCA CHIRA	ESTACION LAS LOMAS 2	DEPARTAMENTO PIURA	LONGITUD 80° 15'1	LATITUD 04° 38'1
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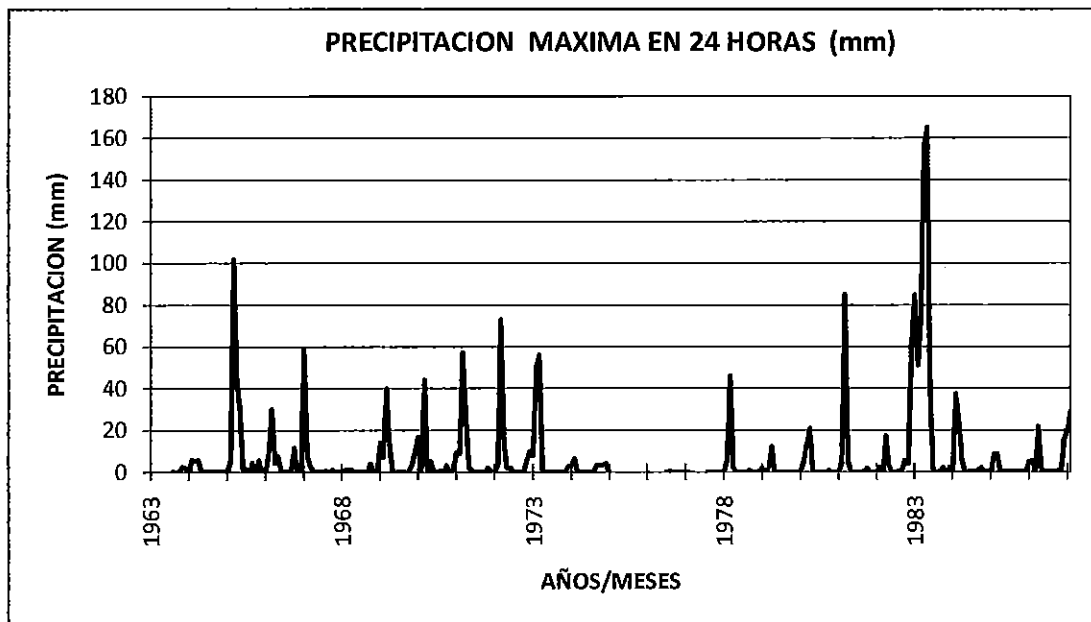
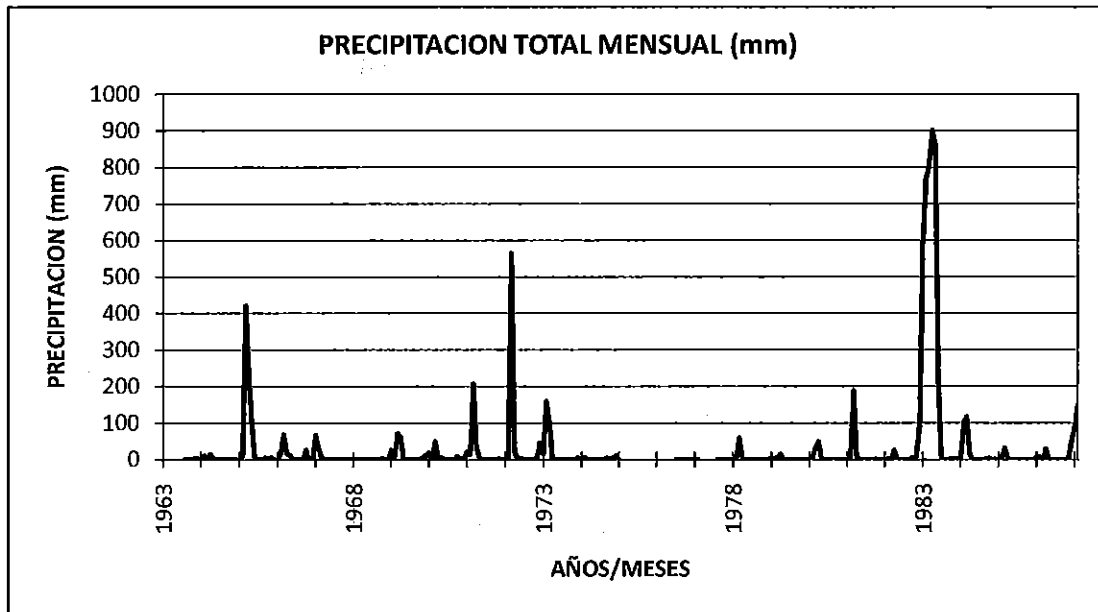
PRECIPITACION TOTAL ANUAL (mm)

CUENCA CHIRA	ESTACION LAS LOMAS 2	DEPARTAMENTO PIURA	LONGITUD 80° 15'1	LATITUD 04° 38'1
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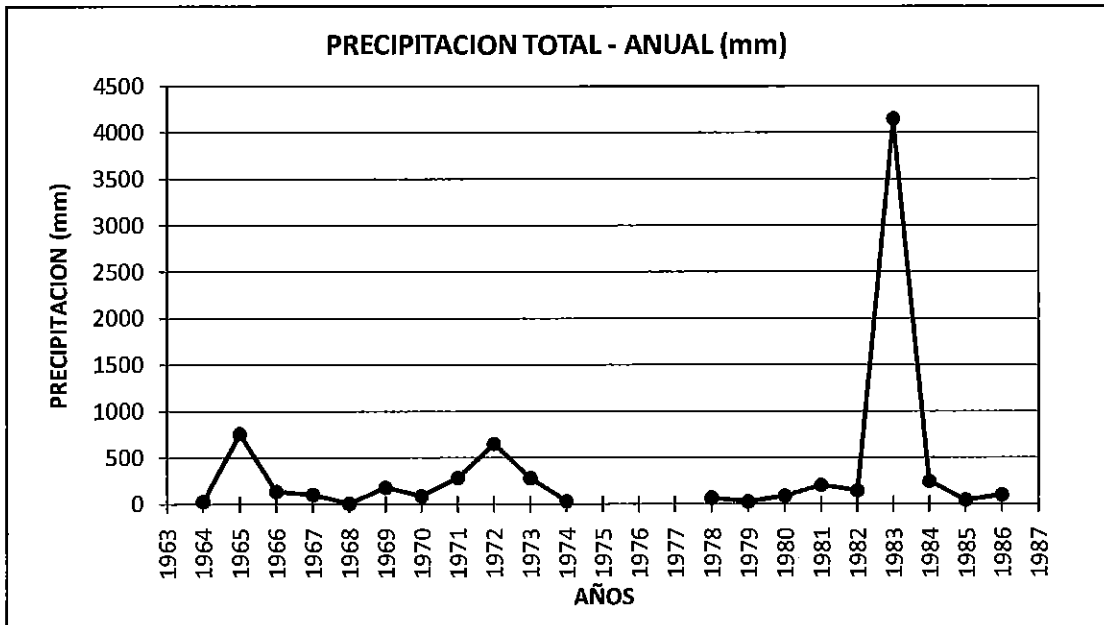
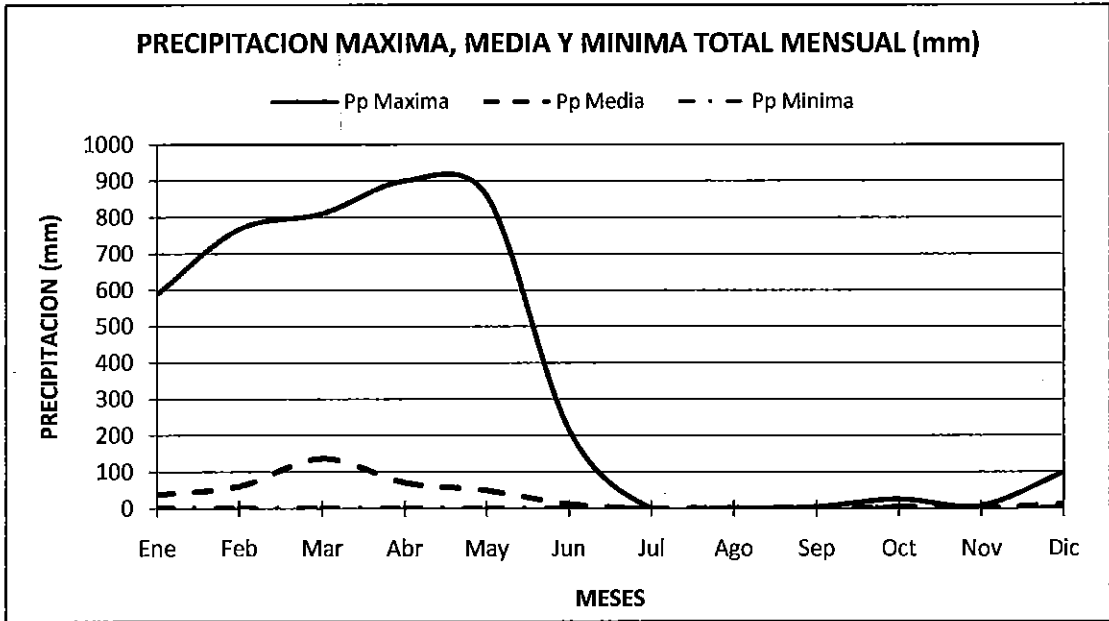
Año	Total
1987	
1988	56.0
1989	356.3
1990	43.6
1991	66.4
1992	920.3
1993	471.9
1994	252.1
1995	134.0
1996	

CUENCA	CHIRA
ESTACION	LAS LOMAS 1

CUENCA CHIRA	ESTACION LAS LOMAS 1	DEPARTAMENTO PIURA	LONGITUD 80° 15'1	LATITUD 04° 38'1
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CUENCA CHIRA	ESTACION LAS LOMAS 1	DEPARTAMENTO PIURA	LONGITUD 80° 15'1	LATITUD 04° 38'1
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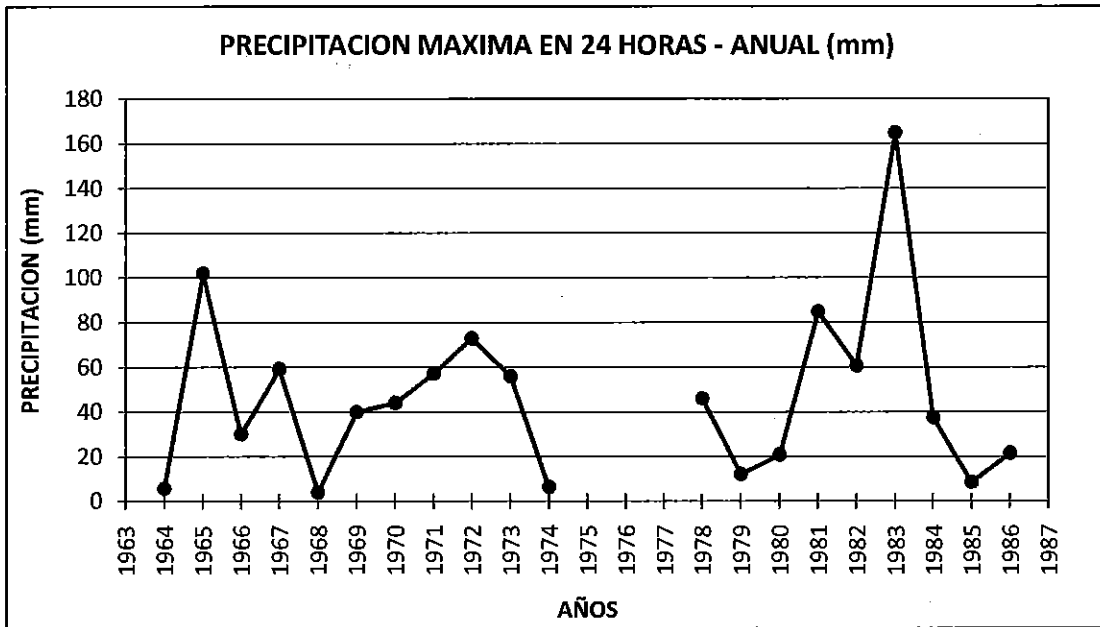


PRECIPITACION MAXIMA EN 24 HORAS (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CHIRA	LAS LOMAS 1	PIURA	80° 15'1	04° 38'1

Año	Mes												Máx.
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1963								0.0	0.0	0.0	2.4	2.0	
1964	0.0	5.8	5.2	5.8	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	5.8
1965	0.3	5.4	102.0	43.0	31.2	0.0	1.5	0.0	4.2	0.0	5.6	0.0	102.0
1966	0.0	9.1	30.1	4.2	7.4	0.2	0.0	0.0	0.0	11.5	0.0	0.0	30.1
1967	59.3	7.5	3.2	0.2	0.0	0.0	0.0	0.5	0.3	1.0	0.0	0.0	59.3
1968	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	4.0
1969	14.0	7.0	40.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	9.0	40.0
1970	17.0	0.0	44.0	0.0	5.0	0.0	0.0	0.5	0.0	3.0	0.0	1.0	44.0
1971	9.0	8.8	57.2	26.1	2.0	0.5	0.0	0.0	0.0	0.0	2.0	0.4	57.2
1972	0.3	3.0	73.0	13.0	2.0	2.0	0.0	0.0	0.0	0.0	5.4	10.0	73.0
1973	8.0	50.4	56.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	56.0
1974	2.8	6.5	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.4	3.4	4.0	6.5
1975	0.0												
1976							0.0	0.3	0.0	0.0	0.0	0.0	
1977	0.0	0.0						0.0	0.2	0.0	0.0	0.0	
1978	0.0	5.6	46.0	2.2	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	46.0
1979	2.0	0.0	2.1	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2
1980	0.0	5.0	13.3	20.8	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	20.8
1981	0.0	3.8	84.9	5.3	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	84.9
1982	0.0	2.4	0.0	17.3	2.7	0.0	0.0	0.0	0.5	5.4	3.8	60.7	60.7
1983	84.5	51.2	74.6	157.3	165.0	38.0	0.0	0.0	0.0	2.1	0.0	2.0	165.0
1984	1.4	37.4	24.1	5.5	0.0	0.0	0.0	0.0	0.6	2.1	0.0	0.3	37.4
1985	0.0	8.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	8.5
1986	5.0	5.3	0.0	21.5	0.5	0.0	0.0	0.0	0.0	0.0	1.3	15.5	21.5
1987	20.2	28.6											

CUENCA CHIRA	ESTACION LAS LOMAS 1	DEPARTAMENTO PIURA	LONGITUD 80° 15'1	LATITUD 04° 38'1
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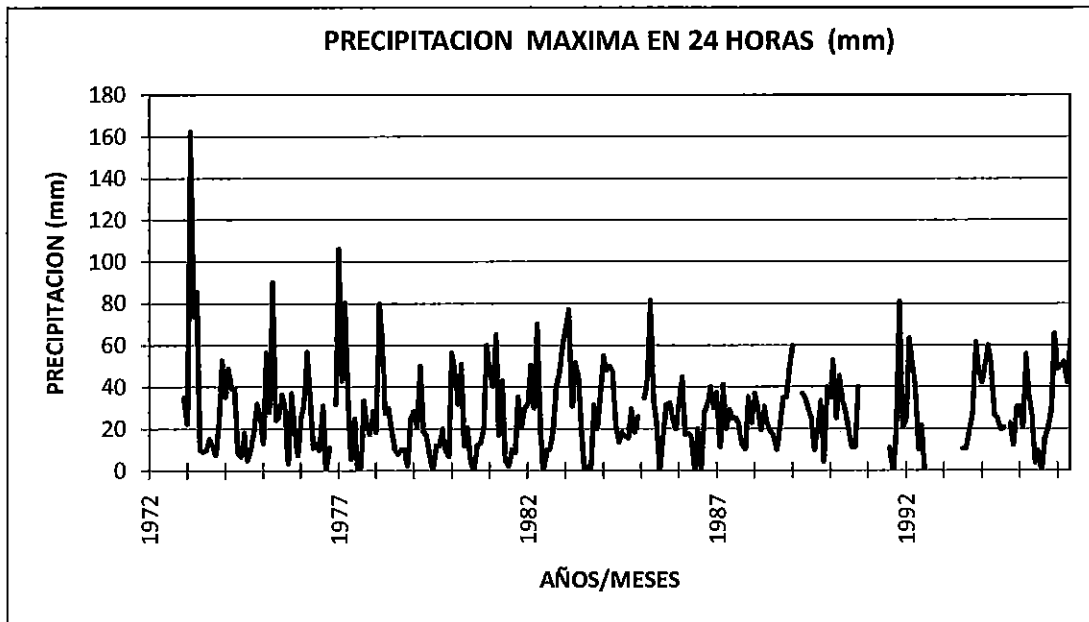
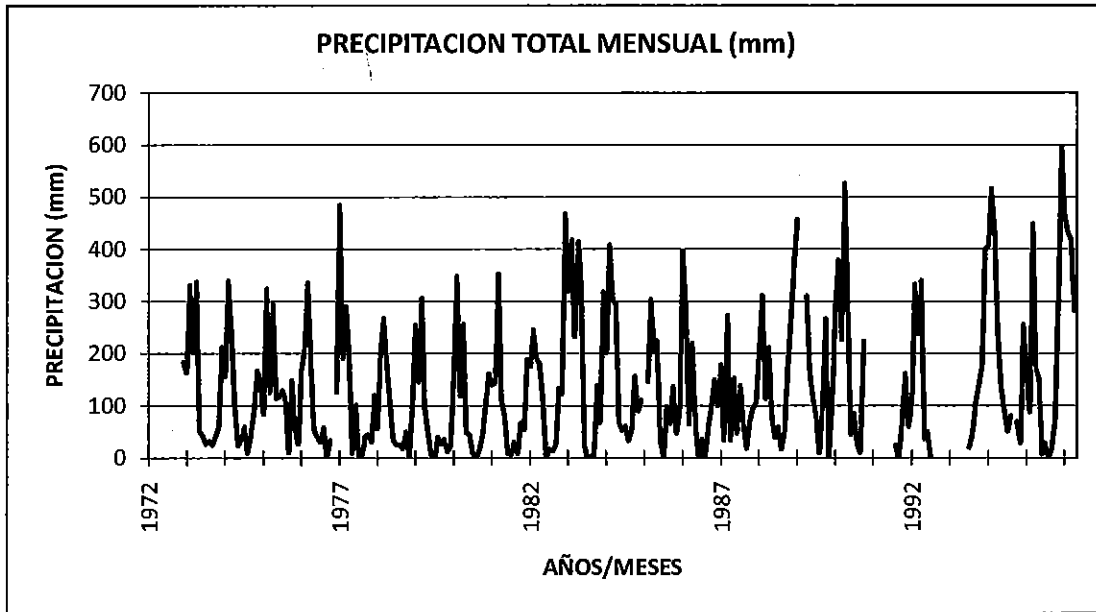
PRECIPITACION TOTAL ANUAL (mm)

CUENCA CHIRA	ESTACION LAS LOMAS 1	DEPARTAMENTO PIURA	LONGITUD 80° 15'1	LATITUD 04° 38'1
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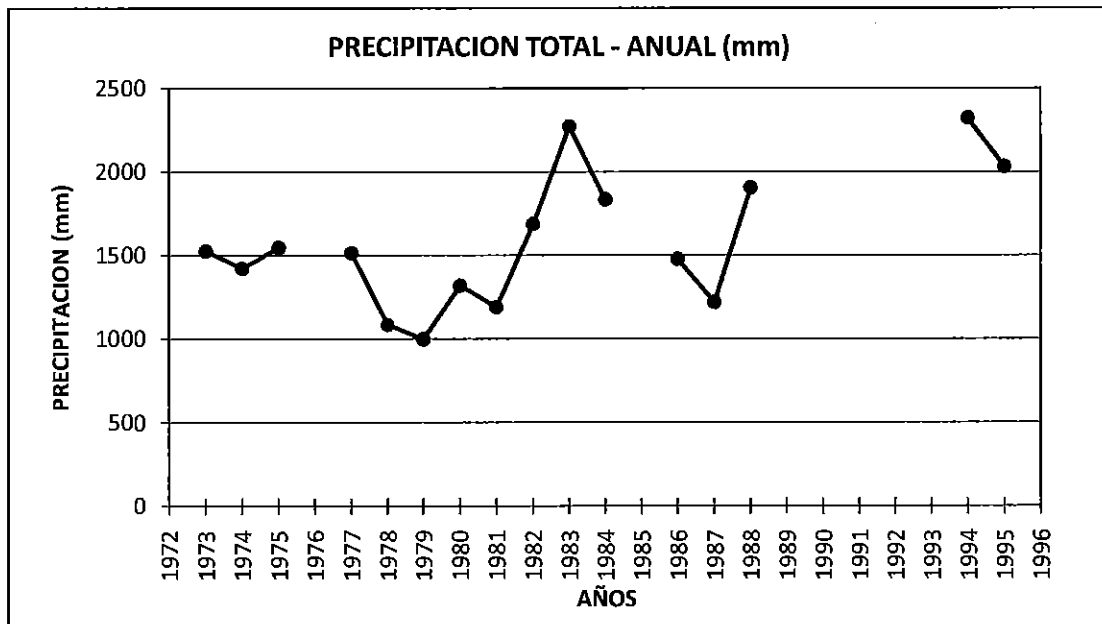
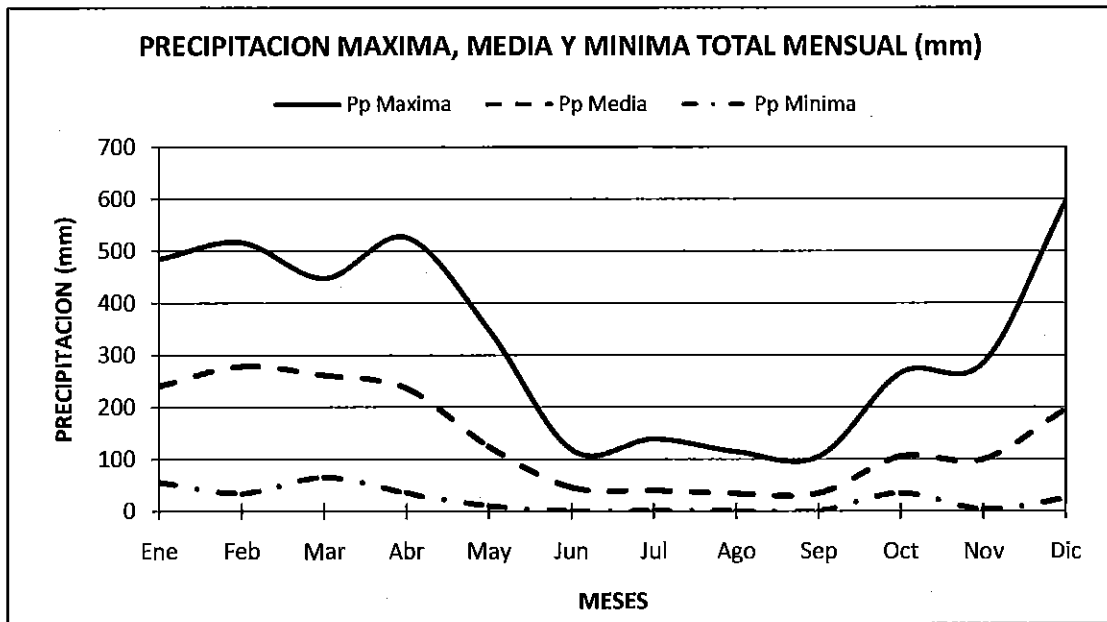
Año	Total
1963	
1964	29.0
1965	758.3
1966	135.9
1967	102.4
1968	7.0
1969	180.0
1970	85.5
1971	283.3
1972	649.9
1973	280.2
1974	30.4
1975	
1976	
1977	
1978	67.5
1979	25.1
1980	87.4
1981	202.7
1982	143.6
1983	4152.9
1984	242.5
1985	40.8
1986	96.1
1987	

CUENCA	CHIRA
ESTACION	LAGUNA SECA

CUENCA CHIRA	ESTACIÓN LAGUNA SECA	DEPARTAMENTO PIURA	LONGITUD 79° 29'1	LATITUD 04° 53'1
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CUENCA CHIRA	ESTACION LAGUNA SECA	DEPARTAMENTO PIURA	LONGITUD 79° 29'1	LATITUD 04° 53'1
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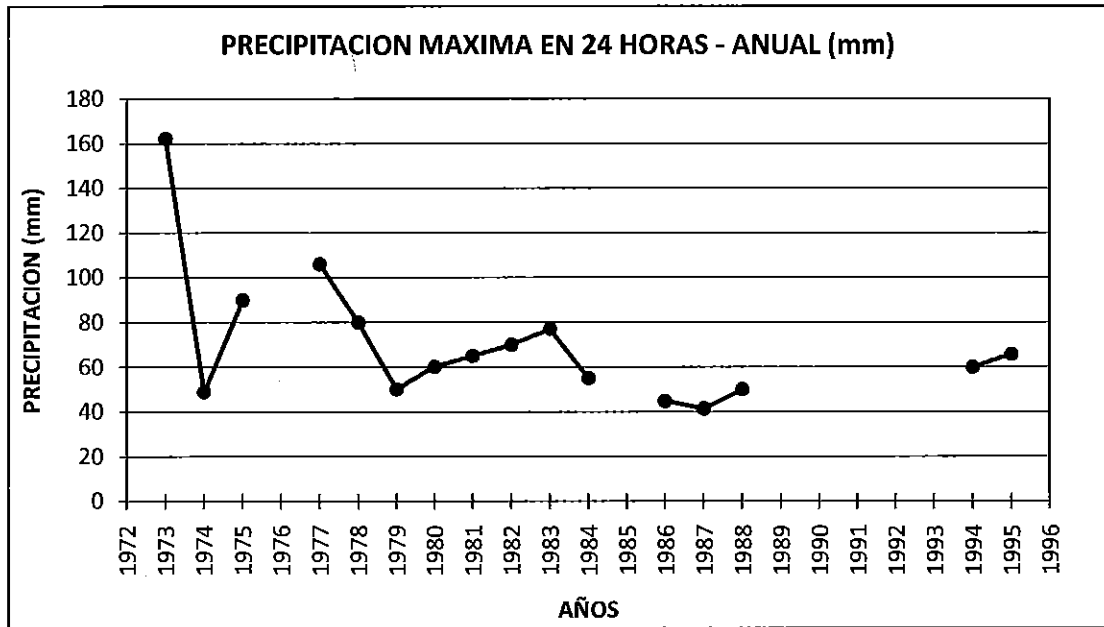


PRECIPITACION MAXIMA EN 24 HORAS (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CHIRA	LAGUNA SECA	PIURA	79° 29'1	04° 53'1

Año	Mes												Máx.
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1972													35.0
1973	22.3	162.3	73.8	85.7	10.0	9.0	10.0	15.2	12.1	7.3	23.4	52.5	162.3
1974	35.4	48.9	39.0	39.2	8.7	6.7	18.1	4.9	10.2	17.9	32.0	27.3	48.9
1975	13.0	56.6	27.9	90.0	24.2	25.5	36.4	30.9	3.5	37.0	21.8	7.3	90.0
1976	25.0	32.0	56.9	35.0	10.9	12.7	9.8	31.0	0.9	10.9		31.9	
1977	106.0	43.0	80.4	31.7	5.5	24.8	0.9	1.3	33.5	21.7	17.5	28.5	106.0
1978	18.4	80.0	63.7	27.5	30.0	19.5	10.1	8.0	10.1	10.0	2.3	25.0	80.0
1979	28.4	21.3	50.0	18.7	17.0	7.0	0.0	11.8	11.7	20.0	9.9	6.9	50.0
1980	56.3	48.9	31.9	51.1	11.9	20.6	4.3	0.0	12.0	13.0	19.3	60.1	60.1
1981	48.0	40.3	65.0	16.8	43.0	4.6	2.4	10.0	8.5	35.2	21.5	30.0	65.0
1982	31.9	50.5	30.0	70.0	20.6	0.0	10.0	10.1	20.0	40.0	46.3	60.0	70.0
1983	68.2	77.0	30.8	51.7	45.0	21.2	0.0	2.1	0.4	31.4	20.0	35.0	77.0
1984	55.0	48.0	50.0	47.2	22.3	13.4	18.2	16.4	15.6	29.5	18.4	25.6	55.0
1985		35.0	43.0	81.4	34.4	22.0	0.7	19.5	31.4	32.3	25.3	20.0	
1986	33.2	44.7	17.4	17.9	16.2	0.0	20.0	1.2	28.0	32.0	40.0	30.0	44.7
1987	37.4	11.4	41.3	20.0	29.3	25.0	25.0	21.9	12.6	10.3	35.2	22.9	41.3
1988	36.9	30.0	19.4	30.6	22.6	18.7	17.3	10.0	20.9	35.0	35.0	50.0	50.0
1989	60.0			37.0	35.0	30.0	25.0	10.0	21.0	33.4	4.2	40.0	
1990	35.0	53.0	25.0	45.3	33.0	28.3	19.7	11.4	11.1	40.0			
1991								10.9	0.0	20.0	81.0	20.7	
1992	24.5	63.3	50.8	40.9	10.0	21.7	0.0						
1993							10.4	10.6	19.6	26.8	61.4	47.9	
1994	42.3	50.9	59.9	51.2	26.6	25.0	19.8	20.6		22.5	12.4	30.7	59.9
1995	30.7	20.8	55.6	36.0	27.4	3.6	9.6	0.0	15.0	20.4	28.6	65.7	65.7
1996	48.6	50.2	52.1	42.3	62.5								

CUENCA CHIRA	ESTACION LAGUNA SECA	DEPARTAMENTO PIURA	LONGITUD 79° 29'1	LATITUD 04° 53'1
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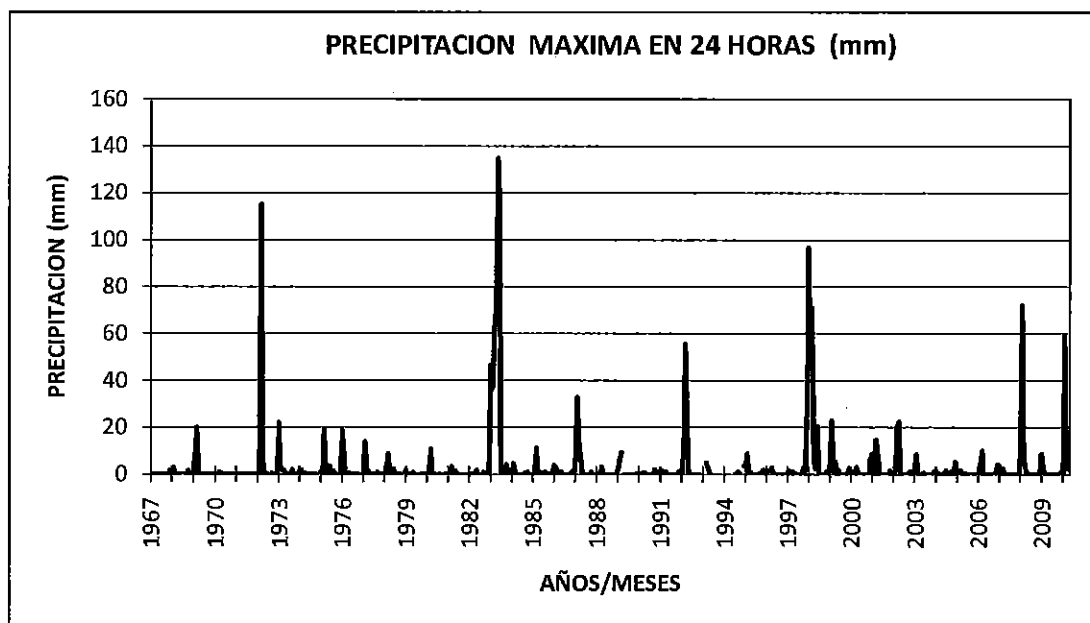
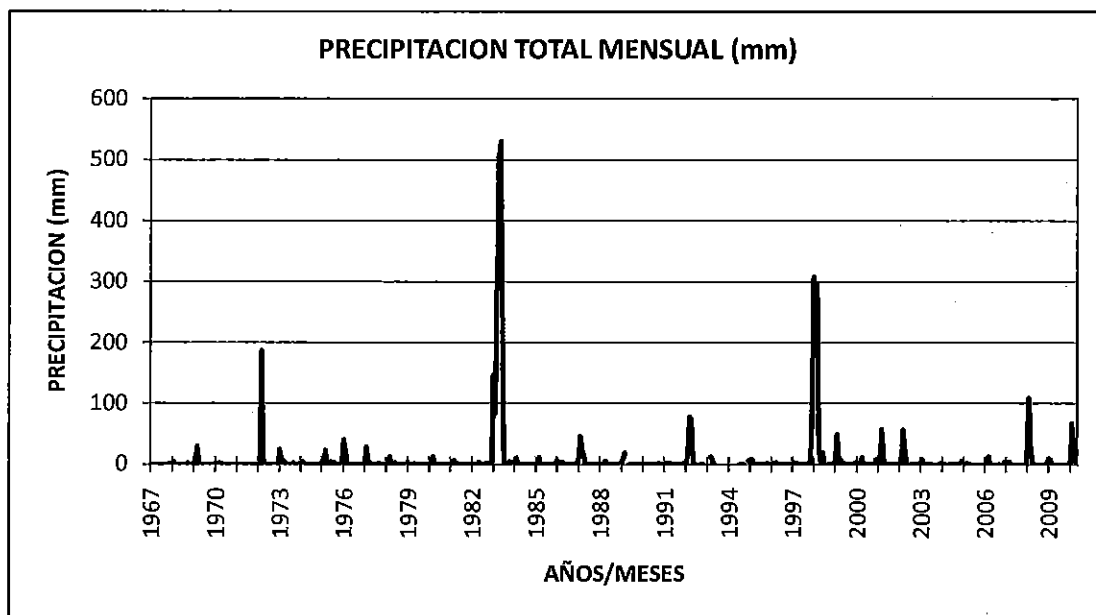
PRECIPITACION TOTAL ANUAL (mm)

CUENCA CHIRA	ESTACION LAGUNA SECA	DEPARTAMENTO PIURA	LONGITUD 79° 29'1	LATITUD 04° 53'1
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Año	Total
1972	
1973	1525.2
1974	1421.2
1975	1544.8
1976	
1977	1513.3
1978	1084.0
1979	998.9
1980	1317.7
1981	1190.2
1982	1686.5
1983	2272.6
1984	1833.2
1985	
1986	1477.6
1987	1220.5
1988	1905.8
1989	
1990	
1991	
1992	
1993	
1994	2323.0
1995	2030.8
1996	

CUENCA	CHIRA
ESTACION	LA ESPERANZA

CUENCA CHIRA	ESTACION LA ESPERANZA	DEPARTAMENTO PIURA	LONGITUD 81° 04'4	LATITUD 04° 55'55
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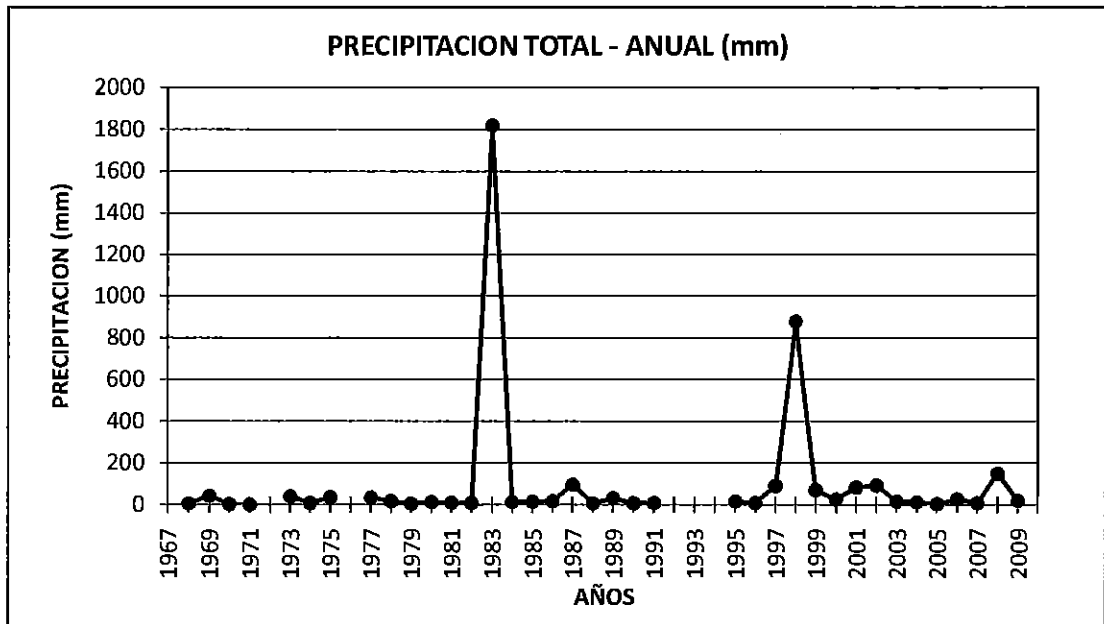
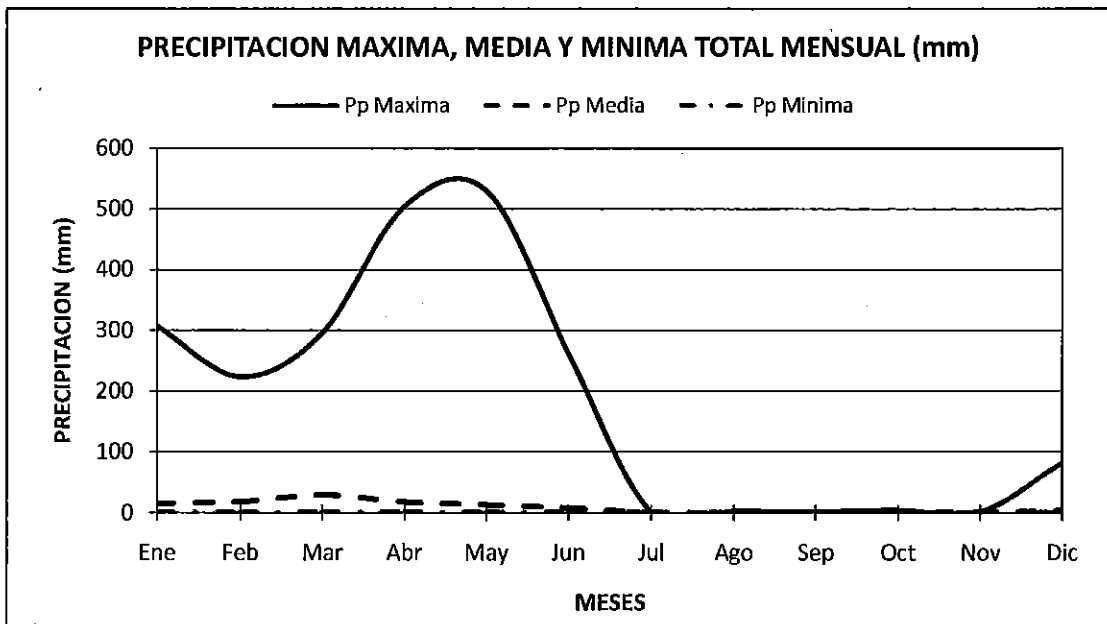


PRECIPITACION TOTAL MENSUAL (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CHIRA	LA ESPERANZA	PIURA	81° 04'4	04° 55'55

Año	Mes												Total
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1967		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	
1968	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	5.8
1969	0.5	10.2	30.0	1.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	42.2
1970	0.0	0.0	2.0	0.6	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	2.9
1971	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.3
1972		0.6	186.5	7.0	0.0	0.3	0.0	0.0	0.5	0.0	0.0	2.0	
1973	24.8	4.2	5.3	2.8	0.0	0.2	0.0	0.0	1.9	0.0	0.0	0.1	39.5
1974	2.2	4.3	0.0	0.8	0.1	0.2	0.0	0.0	0.1	0.1	0.0	0.1	7.9
1975	2.9	2.3	22.5	0.4	0.4	4.1	0.0	2.5	0.1	0.0	0.0	0.0	35.3
1976	39.9	22.5	0.0	0.1	0.7	0.2	0.0	0.3	0.0	0.1		0.0	
1977	0.0	28.1	3.1	1.4	0.0	0.2	0.0	0.0	1.4	0.0	0.0	0.0	34.2
1978	0.0	0.3	12.3	1.2	0.1	2.4	0.0	0.0	0.1	0.0	0.0	0.0	16.4
1979	3.2	0.0	0.3	0.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.1	4.5
1980	0.0	0.0	12.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	12.7
1981	0.0	1.7	6.7	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	9.9
1982	0.0	0.0	0.0	0.5	3.1	0.0	0.0	0.0	1.6	0.1	1.3	1.0	7.6
1983	145.8	83.4	285.5	505.8	529.9	261.5	0.3	0.0	0.0	4.0	0.0	3.4	1819.6
1984	0.0	10.5	0.8	0.1	0.1	0.1	0.1	0.5	0.0	0.9	0.0	0.1	12.9
1985	0.0	0.1	11.7	0.0	1.0	0.0	0.0	1.1	0.0	0.1	0.0	0.3	14.3
1986	5.9	3.3	0.5	2.9	1.2	0.0	0.0	0.1	0.0	0.2	2.1	0.1	16.4
1987	10.2	45.7	25.3	13.8	0.0	0.0	0.0	0.0	0.0	1.0	0.1	0.0	96.2
1988	0.1	0.6	0.1	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	6.5
1989	3.6	9.6	18.9		0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	32.2
1990	0.3	0.3	0.7	1.0	0.1	0.0	0.0	0.0	0.0	2.1	0.6	1.1	6.3
1991	0.4	2.0	0.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.4	8.8
1992	0.0	13.4	77.8	73.6	0.0	0.2	0.0		0.0	0.0	0.0		
1993	0.0		12.5	7.3	0.1								
1994							0.0	0.0	1.0	0.2		6.1	
1995	3.9	8.8	0.0	0.9	0.0	0.0	0.1	0.0	0.1	0.0	1.9	0.3	16.0
1996	0.0	3.0	1.7	2.9	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	8.1
1997	0.5	2.9	0.4	1.3	0.0	0.1	0.0	0.0	0.0	2.7	1.6	82.0	91.6
1998	307.7	223.6	296.8	24.9	4.2	20.3	0.0	0.0	0.0	0.1	1.1	0.0	878.7
1999	4.0	48.9	2.5	7.0	1.6	2.4	0.0	0.0	0.0	0.1	0.0	3.0	69.5
2000	0.0	3.1	0.5	11.5	1.3	0.1	0.1	0.1	0.1	0.0	0.0	8.4	25.0
2001	8.8	2.0	57.5	12.2	0.1	0.1	0.1	0.1	0.0	0.0	1.6	0.9	83.4
2002	0.0	3.3	56.8	30.5	0.0	0.0	0.0	0.0	0.0	0.9	0.2	0.5	92.3
2003	2.5	8.6	0.4	0.1	0.0	1.0	0.0	0.0	0.1	0.0	0.3	2.3	15.4
2004	2.7	0.4	0.2	0.0	0.3	0.0	1.5	0.0	0.0	1.0	0.0	5.3	11.5
2005	0.5	0.1	2.3	0.4	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	3.7
2006	0.5	7.7	13.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.8	4.1	26.6
2007	3.8	0.0	4.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1
2008	16.9	109.0	21.3	2.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	150.4
2009	10.1	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	18.9
2010	0.1	67.0	37.6	4.2	3.1								
Pp Maxima	307.7	223.6	296.8	505.8	529.9	261.5	1.5	2.5	1.9	4.0	2.1	82.0	1819.6
Pp Media	14.7	17.7	28.1	17.3	12.8	7.2	0.1	0.1	0.2	0.4	0.3	3.1	100.8
Pp Minima	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3

CUENCA CHIRA	ESTACION LA ESPERANZA	DEPARTAMENTO PIURA	LONGITUD 81° 04'4	LATITUD 04° 55'55
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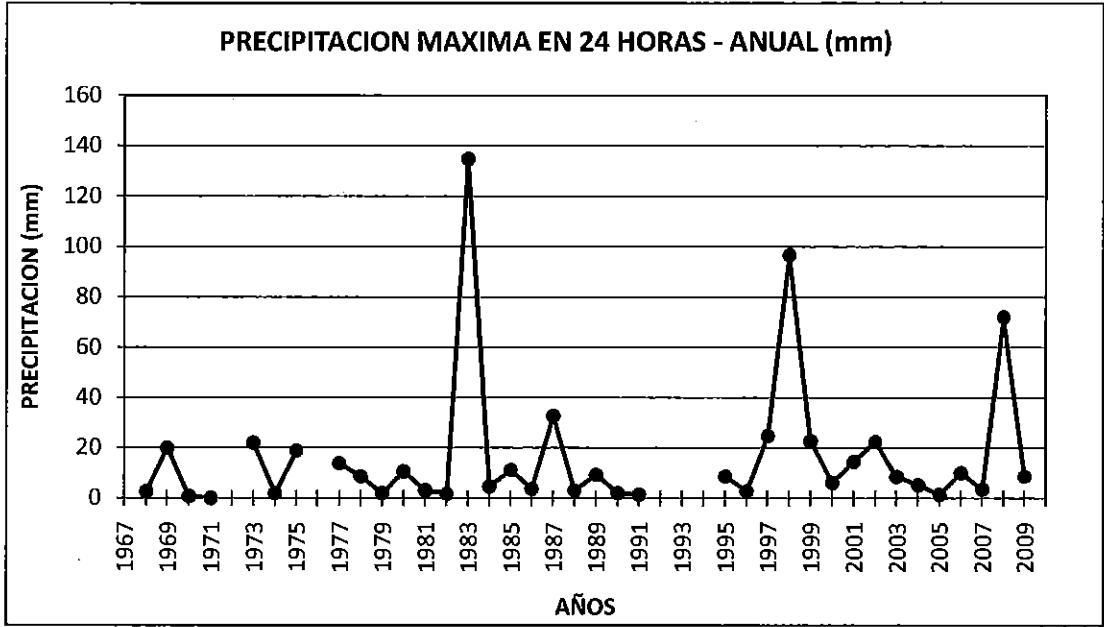


PRECIPITACION MAXIMA EN 24 HORAS (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CHIRA	LA ESPERANZA	PIURA	81° 04'4	04° 55'55

Año	Mes												Máx.
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1967		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	
1968	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	2.8
1969	0.4	10.2	20.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0
1970	0.0	0.0	0.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
1971	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1972		0.6	115.2	6.5	0.0	0.3	0.0	0.0	0.5	0.0	0.0	1.6	
1973	22.0	2.1	2.0	1.9	0.0	0.2	0.0	0.0	1.9	0.0	0.0	0.0	22.0
1974	1.7	2.0	0.0	0.7	0.1	0.2	0.0	0.0	0.1	0.1	0.0	0.1	2.0
1975	1.1	1.8	18.9	0.4	0.2	3.2	0.0	1.3	0.1	0.0	0.0	0.0	18.9
1976	18.9	10.8	0.0	0.0	0.5	0.2	0.0	0.2	0.0	0.1		0.0	
1977	0.0	13.9	1.8	1.2	0.0	0.2	0.0	0.0	0.9	0.0	0.0	0.0	13.9
1978	0.0	0.3	8.7	1.2	0.1	2.4	0.0	0.0	0.0	0.0	0.0	0.0	8.7
1979	2.0	0.0	0.3	0.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0
1980	0.0	0.0	10.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	10.7
1981	0.0	0.8	3.2	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
1982	0.0	0.0	0.0	0.4	1.8	0.0	0.0	0.0	0.8	0.0	1.3	1.0	1.8
1983	46.5	37.0	59.6	74.6	134.8	116.8	0.2	0.0	0.0	4.0	0.0	2.0	134.8
1984	0.0	4.6	0.5	0.0	0.0	0.0	0.0	0.5	0.0	0.9	0.0	0.0	4.6
1985	0.0	0.0	11.3	0.0	0.9	0.0	0.0	1.1	0.0	0.1	0.0	0.3	11.3
1986	3.8	3.1	0.3	1.1	1.2	0.0	0.0	0.0	0.0	0.2	0.9	0.0	3.8
1987	4.4	32.8	11.9	6.9	0.0	0.0	0.0	0.0	0.0	1.0	0.1	0.0	32.8
1988	0.1	0.5	0.1	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
1989	1.5	6.5	9.3		0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	9.3
1990	0.3	0.3	0.4	0.8	0.1	0.0	0.0	0.0	0.0	2.1	0.6	0.8	2.1
1991	0.3	1.5	0.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.4	1.5
1992	0.0	11.7	55.6	27.2	0.0	0.2	0.0		0.0	0.0	0.0		
1993	0.0		4.9	2.5	0.1								
1994							0.0	0.0	1.0	0.2		3.8	
1995	3.4	8.8	0.0	0.9	0.0	0.0	0.0	0.0	0.1	0.0	1.9	0.2	8.8
1996	0.0	1.6	1.7	2.9	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	2.9
1997	0.5	1.4	0.4	0.9	0.0	0.1	0.0	0.0	0.0	2.7	1.3	24.7	24.7
1998	96.6	54.1	71.1	7.6	2.6	20.3	0.0	0.0	0.0	0.0	1.1	0.0	96.6
1999	2.8	22.8	1.3	5.4	1.0	1.5	0.0	0.0	0.0	0.1	0.0	2.6	22.8
2000	0.0	1.2	0.4	3.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	6.2	6.2
2001	8.7	1.2	14.5	9.3	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.6	14.5
2002	0.0	1.8	20.2	22.4	0.0	0.0	0.0	0.0	0.0	0.9	0.2	0.5	22.4
2003	1.9	8.6	0.4	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.3	1.3	8.6
2004	1.5	0.3	0.2	0.0	0.2	0.0	1.5	0.0	0.0	1.0	0.0	5.3	5.3
2005	0.5	0.1	1.5	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	1.5
2006	0.4	3.5	10.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.8	4.1	10.0
2007	3.7	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
2008	7.5	72.0	7.1	2.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.0
2009	8.7	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	8.7
2010	0.0	59.5	14.0	2.4	3.1								

CUENCA CHIRA	ESTACION LA ESPERANZA	DEPARTAMENTO PIURA	LONGITUD 81° 04'4	LATITUD 04° 55'55
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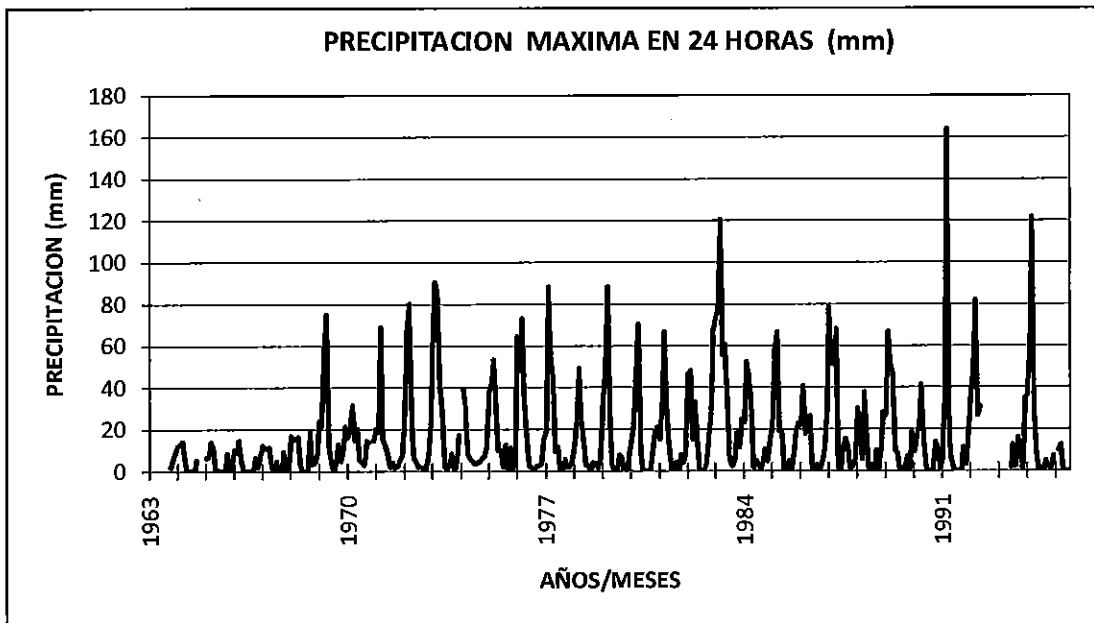
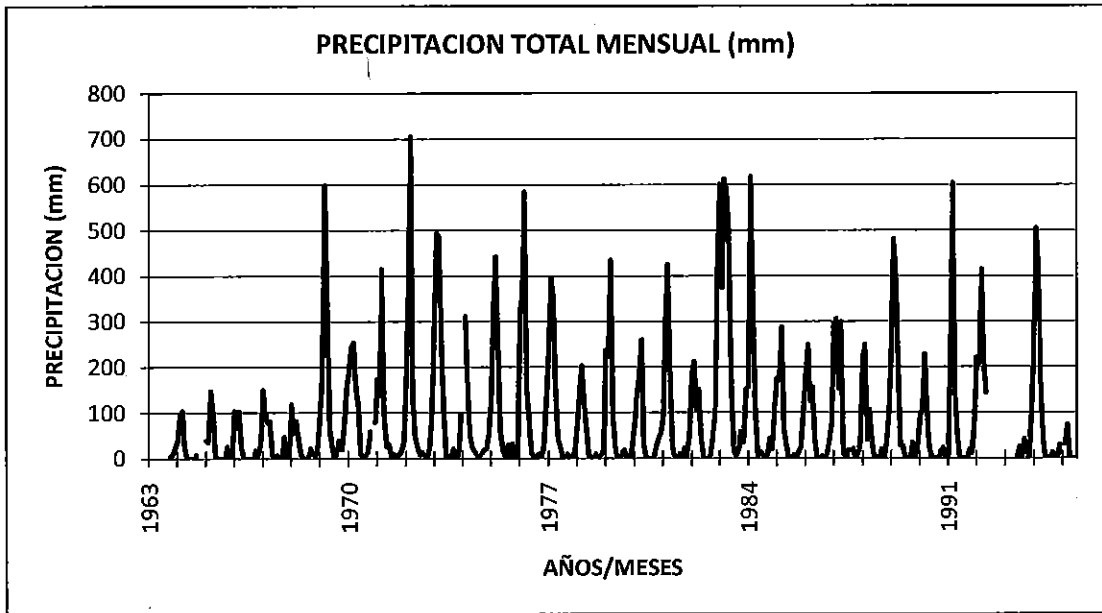
PRECIPITACION TOTAL ANUAL (mm)

CUENCA CHIRA	ESTACION LA ESPERANZA	DEPARTAMENTO PIURA	LONGITUD 81° 04'4	LATITUD 04° 55'55
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Año	Total
1967	
1968	5.8
1969	42.2
1970	2.9
1971	0.3
1972	
1973	39.5
1974	7.9
1975	35.3
1976	
1977	34.2
1978	16.4
1979	4.5
1980	12.7
1981	9.9
1982	7.6
1983	1819.6
1984	12.9
1985	14.3
1986	16.4
1987	96.2
1988	6.5
1989	32.2
1990	6.3
1991	8.8
1992	
1993	
1994	
1995	16.0
1996	8.1
1997	91.6
1998	878.7
1999	69.5
2000	25.0
2001	83.4
2002	92.3
2003	15.4
2004	11.5
2005	3.7
2006	26.6
2007	8.1
2008	150.4
2009	18.9
2010	

CUENCA	CHIRA
ESTACION	FRIAS

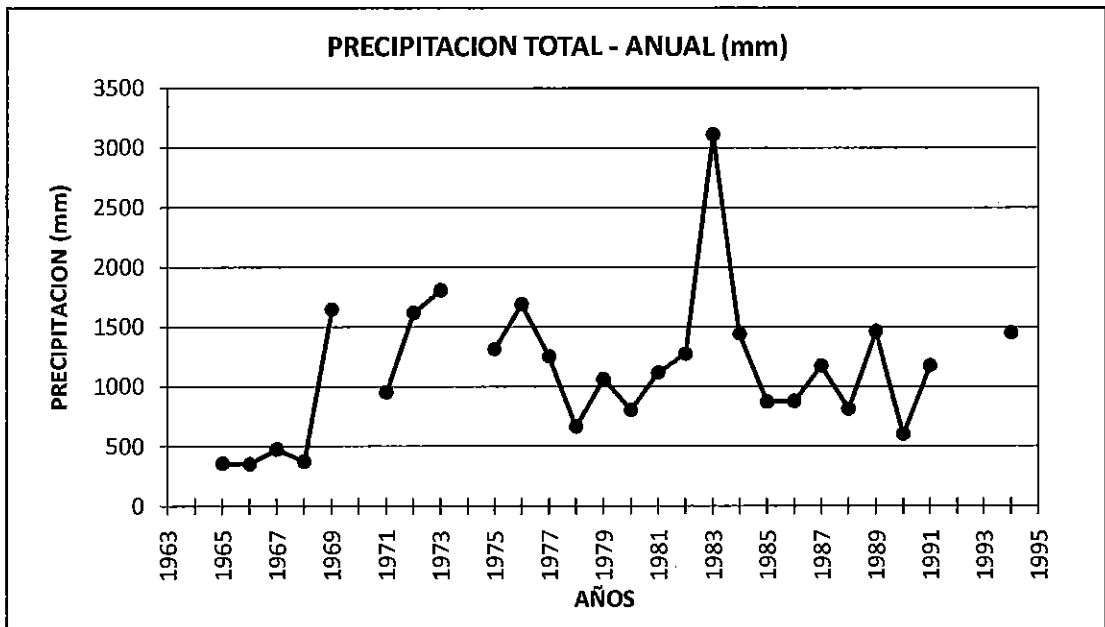
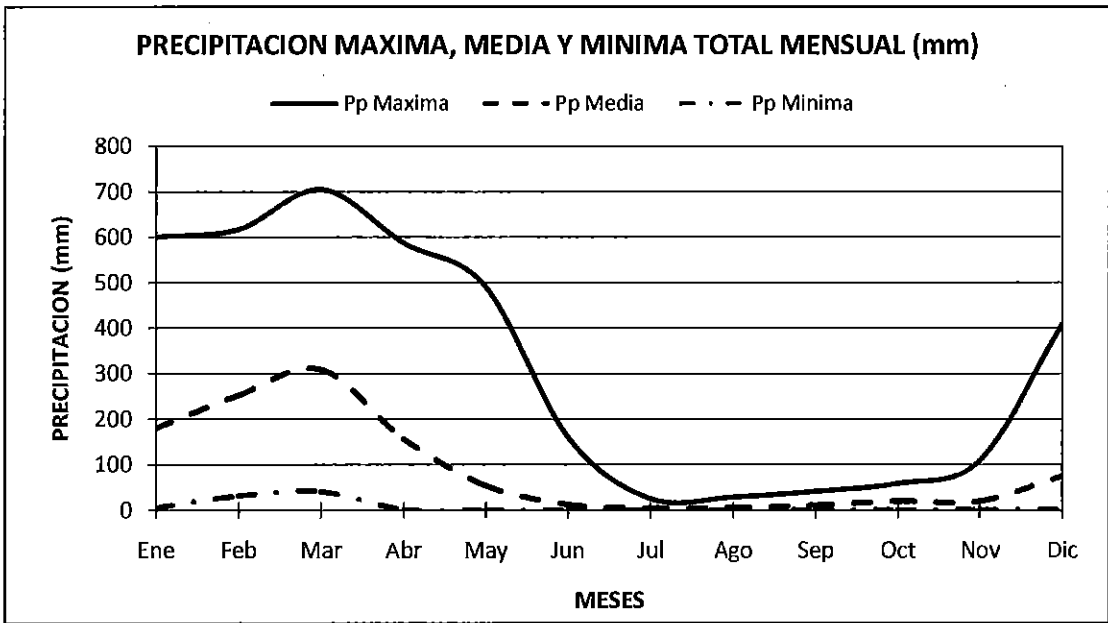
CUENCA CHIRA	ESTACION FRIAS	DEPARTAMENTO PIURA	LONGITUD 79° 51'1	LATITUD 04° 56'1
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PRECIPITACION TOTAL MENSUAL (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD									
CHIRA	FRIAS	PIURA	79° 51'1	04° 56'1									
Año	Mes												Total
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1963										5.0	8.9	25.1	
1964	39.2	93.9	103.8	23.6	0.0	0.0	0.0	0.0	7.5				
1965	39.5	35.5	146.7	93.8	0.0	0.8	0.0	0.0	0.0	27.0	0.0	17.8	361.1
1966	102.7	66.7	102.3	24.2	0.0	0.0	0.0	0.0	0.0	17.5	7.7	33.7	354.8
1967	149.7	99.6	78.9	81.7	7.8	0.0	7.1	0.0	0.0	47.5	0.0	5.9	478.2
1968	117.8	54.8	82.5	41.9	9.6	0.0	0.0	0.0	21.1	8.5	5.6	33.6	375.4
1969	106.4	198.5	598.8	343.5	65.1	30.7	0.0	16.2	40.3	19.2	74.7	154.9	1648.3
1970	191.4	241.8	253.2	153.4	118.7	8.9	4.4	5.6	17.0	59.1		79.7	
1971	173.9	137.6	414.6	91.6	27.3	31.4	3.7	8.7	4.8	8.7	14.8	36.2	953.4
1972	181.4	354.8	705.6	133.1	44.1	22.8	7.8	13.4	6.8	3.2	28.0	119.7	1620.7
1973	328.6	493.5	486.4	258.1	104.8	4.9	1.5	5.8	20.7	0.7	8.6	95.9	1809.5
1974		310.8	157.4	51.7	24.0	16.9	7.5	5.6	9.9	18.4	21.3	53.9	
1975	138.0	336.0	442.5	227.8	58.3	17.1	5.8	28.9	1.0	32.0	1.1	26.9	1315.5
1976	312.9	374.3	584.1	150.8	79.1	12.8	3.2	4.8	9.5	4.3	25.0	128.9	1689.8
1977	245.7	395.2	350.9	159.5	42.6	24.2	1.7	0.8	8.8	3.3	2.7	18.8	1254.2
1978	80.6	158.2	201.8	114.2	67.0	3.2	2.8	0.0	8.9	4.0	7.2	19.6	667.3
1979	236.8	223.7	435.3	92.1	21.2	0.0	0.4	15.3	17.8	0.0	0.0	22.2	1064.9
1980	73.0	137.5	180.6	260.0	29.1	0.3	0.2	0.0	0.0	23.0	42.7	58.0	804.4
1981	89.9	311.1	425.3	175.8	24.7	2.4	0.4	10.1	0.0	22.1	6.5	49.9	1118.2
1982	185.8	211.8	104.3	151.1	46.3	0.4	0.5	0.0	5.7	49.1	110.0	409.9	1274.9
1983	600.4	374.4	613.0	587.7	491.3	159.6	16.0	5.7	20.6	58.7	35.6	151.7	3114.8
1984	156.2	617.7	339.3	116.0	6.0	14.1	9.5	1.4	7.3	43.8	20.2	111.7	1443.3
1985	174.8	171.6	287.0	65.9	31.3	1.4	0.0	7.5	0.0	13.1	23.4	98.7	874.7
1986	181.7	248.8	125.6	155.6	39.2	0.0	0.0	4.5	0.5	9.1	36.1	78.3	879.4
1987	293.9	306.1	152.7	299.9	11.8	3.6	17.8	18.1	20.8	4.0	8.7	37.0	1174.4
1988	220.9	248.9	40.6	107.2	38.7	0.4	3.2	0.0	19.6	0.0	32.5	103.1	815.1
1989	237.4	480.8	406.5	219.0	27.6	26.6	0.8	0.2	3.2	33.8	0.0	29.8	1465.7
1990	91.6	106.4	227.8	110.4	25.0	2.9	0.0	0.0	0.0	15.8	22.4	1.0	603.3
1991	4.8	271.2	603.4	141.3	48.1	1.3	0.0	0.0	0.7	17.7	11.0	77.4	1177.0
1992	220.5	207.8	414.6	220.5	143.7								
1993						4.3	25.4	5.2	42.1	21.1	0.9	113.4	
1994	252.7	504.8	423.4	173.3	45.8	0.5	2.9	0.8	13.0	6.0	1.0	29.5	1453.8
1995		31.4	73.1	1.0	0.0	0.0	0.0						
Pp Maxima	600.4	617.7	705.6	587.7	491.3	159.6	25.4	28.9	42.1	59.1	110.0	409.9	3114.8
Pp Media	180.3	251.8	308.4	155.7	54.1	12.6	4.0	5.3	10.3	19.2	19.2	74.1	1145.9
Pp Minima	4.8	31.4	40.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	354.8

CUENCA CHIRA	ESTACION FRIAS	DEPARTAMENTO PIURA	LONGITUD 79° 51'1	LATITUD 04° 56'1
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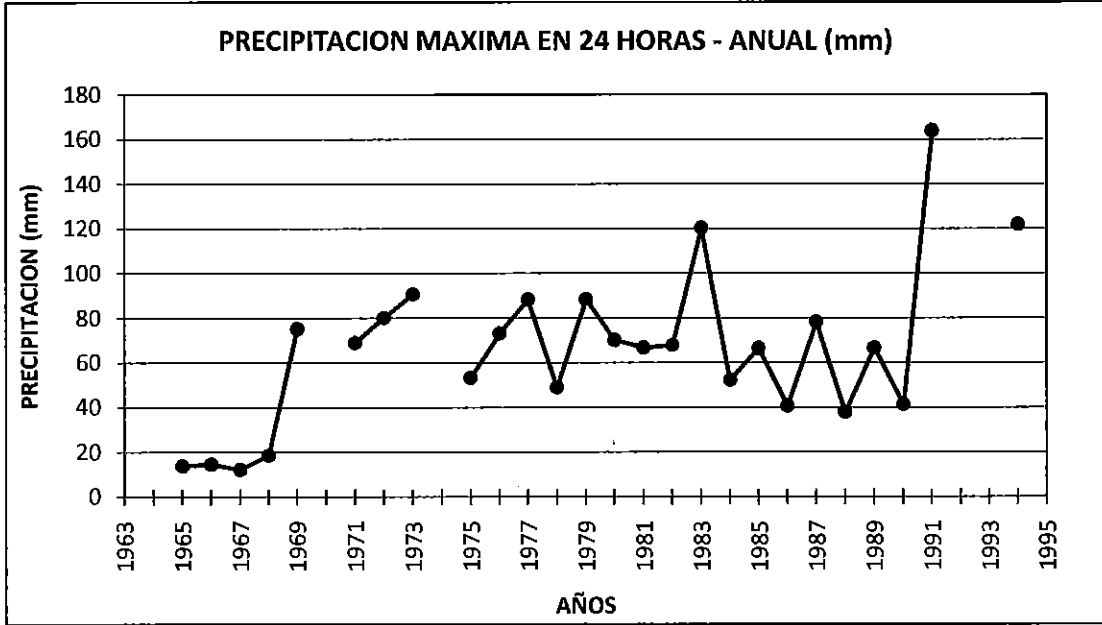


PRECIPITACION MAXIMA EN 24 HORAS (mm)

CUENCA	ESTACIÓN	DEPARTAMENTO	LONGITUD	LATITUD
CHIRA	FRIAS	PIURA	79° 51'1	04° 56'1

Año	Mes												Máx.
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1963										1.9	6.2	9.8	
1964	12.0	13.0	14.2	5.1	0.0	0.0	0.0	0.0	5.2				
1965	6.5	6.7	13.8	11.2	0.0	0.6	0.0	0.0	0.0	8.5	0.0	4.0	13.8
1966	10.1	8.9	14.7	5.6	0.0	0.0	0.0	0.0	0.0	6.4	2.2	7.2	14.7
1967	12.2	11.3	10.5	11.4	2.2	0.0	4.7	0.0	0.0	9.2	0.0	1.8	12.2
1968	16.7	15.0	15.5	16.2	3.7	0.0	0.0	0.0	18.6	3.4	3.7	7.8	18.6
1969	23.9	21.5	58.6	75.2	11.7	5.8	0.0	4.6	12.9	5.0	10.2	21.4	75.2
1970	16.3	20.9	31.4	14.8	20.3	5.3	4.4	3.1	14.3	13.9		14.7	
1971	20.3	18.8	69.0	15.5	12.3	8.4	1.9	4.3	1.8	2.4	5.4	7.8	69.0
1972	25.8	66.8	80.2	25.3	6.6	4.5	2.0	2.0	1.4	1.2	5.8	20.7	80.2
1973	61.4	90.7	86.3	42.0	27.7	2.8	0.8	3.5	8.5	0.2	2.8	17.3	90.7
1974		39.0	31.6	8.3	6.2	4.6	3.5	4.0	4.4	6.0	7.1	11.1	
1975	37.4	41.5	53.4	31.4	9.8	10.1	2.2	12.4	0.9	11.2	1.0	6.1	53.4
1976	64.5	48.2	73.2	32.9	15.2	2.7	1.6	1.2	2.2	2.7	3.5	15.5	73.2
1977	19.1	88.4	55.3	44.4	9.5	11.6	0.7	0.8	5.6	1.9	2.0	5.6	88.4
1978	11.7	24.1	49.1	24.2	14.3	3.0	2.8	0.0	4.0	3.4	1.6	6.4	49.1
1979	32.6	47.3	88.5	22.4	3.2	0.0	0.4	7.6	6.9	0.0	0.0	7.0	88.5
1980	13.1	22.1	44.9	70.3	9.0	0.3	0.1	0.0	0.0	9.1	18.3	21.0	70.3
1981	15.3	30.1	66.7	30.9	12.1	1.5	0.4	4.1	0.0	7.3	3.8	8.7	66.7
1982	46.5	48.1	15.2	33.1	16.3	0.3	0.5	0.0	3.9	17.6	28.6	68.0	68.0
1983	73.0	77.7	120.6	55.7	60.7	32.1	5.3	2.5	4.3	18.2	11.2	24.8	120.6
1984	23.4	52.3	46.0	31.8	1.7	5.1	3.5	1.0	4.1	10.4	4.7	15.4	52.3
1985	22.2	59.0	66.6	19.2	19.0	1.0	0.0	4.8	0.0	8.3	19.6	22.7	66.6
1986	21.8	40.8	17.8	25.8	26.3	0.0	0.0	3.0	0.5	3.5	9.5	28.0	40.8
1987	78.4	51.8	51.0	68.2	1.7	0.7	11.9	15.3	11.9	1.0	2.2	5.8	78.4
1988	29.8	26.0	5.7	37.9	13.4	0.4	2.6	0.0	10.0	0.0	11.1	28.3	37.9
1989	26.6	66.8	51.6	46.6	9.8	8.5	0.8	0.2	2.2	6.8	0.0	19.0	66.8
1990	9.0	16.2	22.9	41.4	15.7	2.4	0.0	0.0	0.0	13.7	11.4	1.0	41.4
1991	4.8	38.0	164.0	16.5	5.8	0.8	0.0	0.0	0.5	11.2	3.0	19.8	164.0
1992	36.5	47.4	82.0	26.6	31.0								
1993						1.7	12.5	2.4	16.0	12.2	0.5	35.0	
1994	36.3	61.0	122.0	30.0	8.0	0.5	1.5	0.8	5.0	1.9	1.0	7.2	122.0
1995		10.0	12.5	1.0	0.0	0.0	0.0						

CUENCA CHIRA	ESTACION FRIAS	DEPARTAMENTO PIURA	LONGITUD 79° 51'1	LATITUD 04° 56'1
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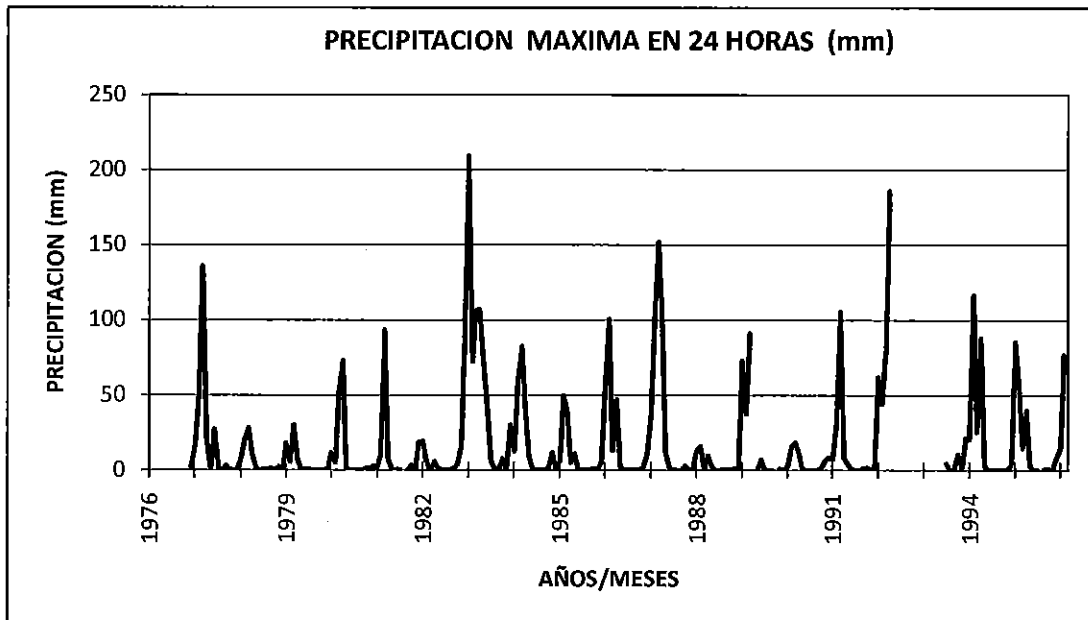
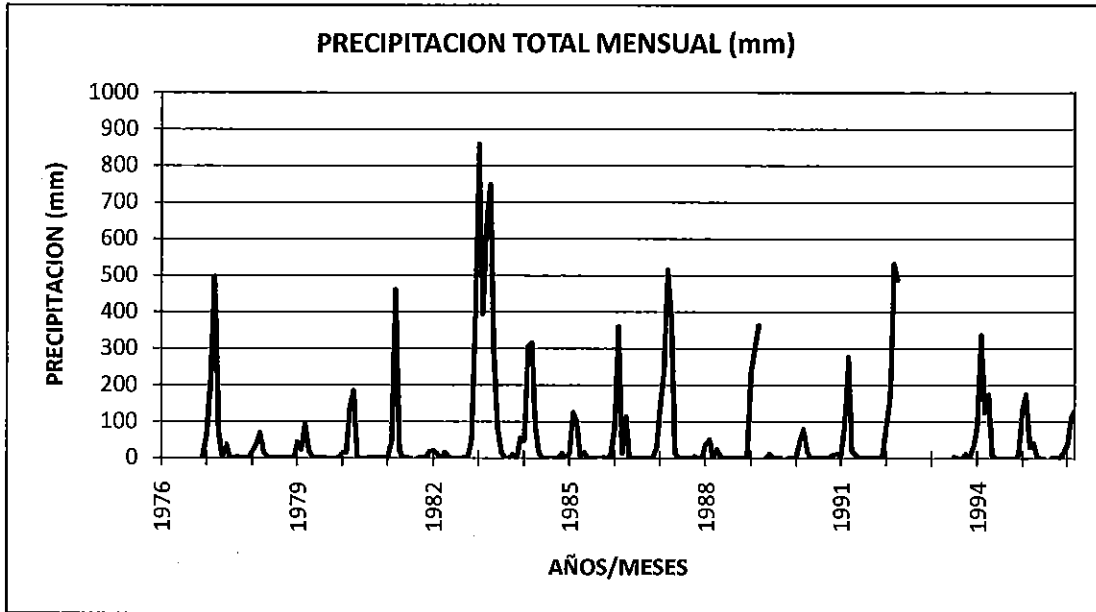
PRECIPITACION TOTAL ANUAL (mm)

CUENCA CHIRA	ESTACION FRIAS	DEPARTAMENTO PIURA	LONGITUD 79° 5'1"	LATITUD 04° 58'1"
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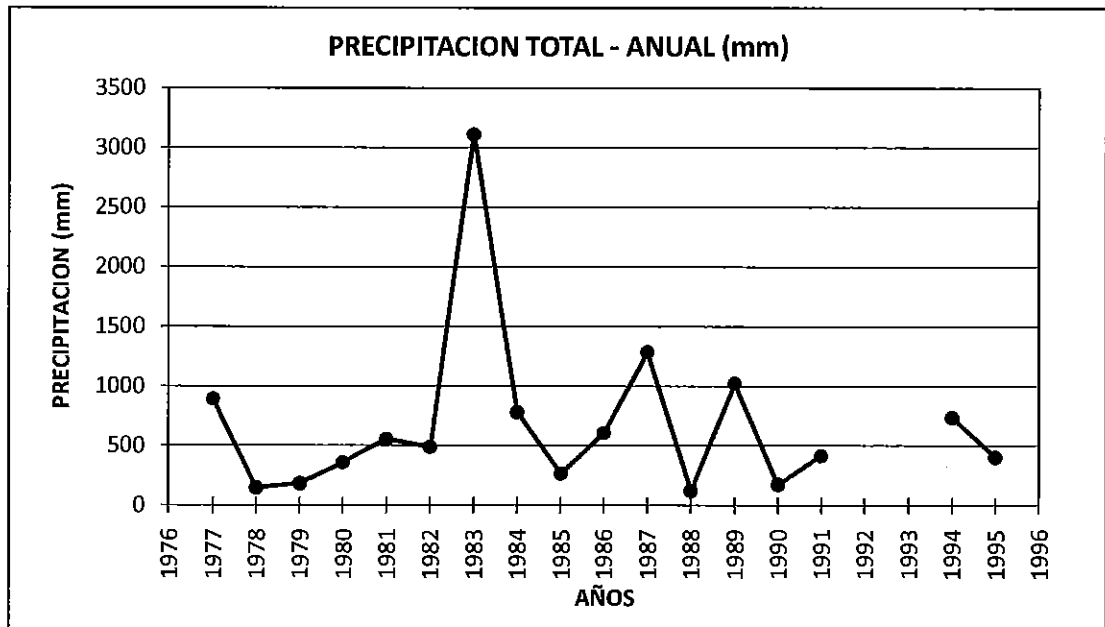
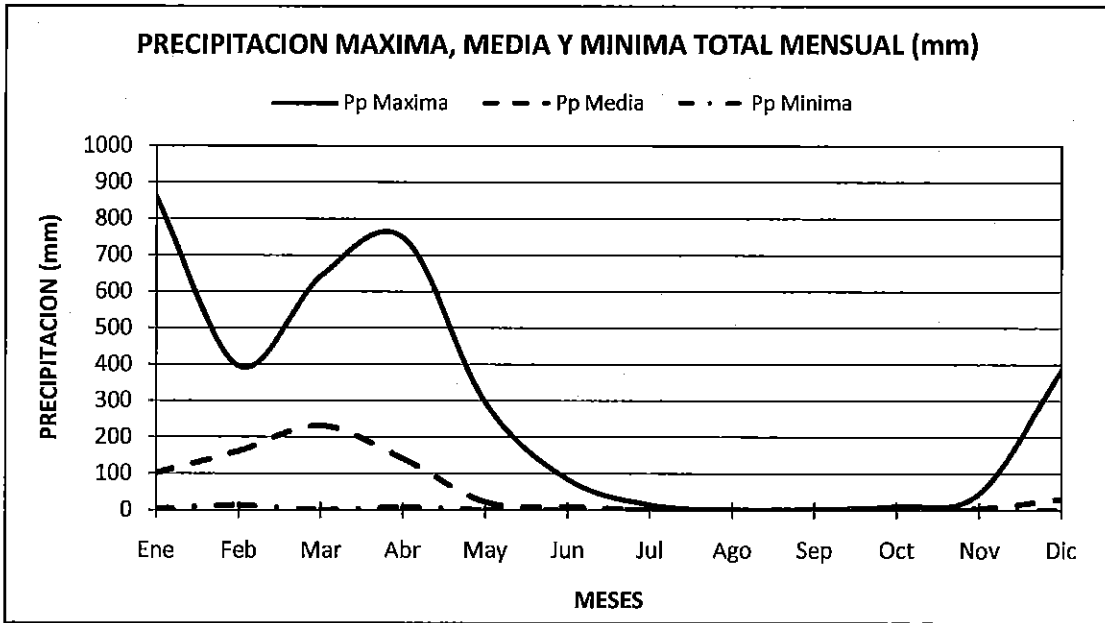
Año	Total
1963	
1964	
1965	361.1
1966	354.8
1967	478.2
1968	375.4
1969	1648.3
1970	
1971	953.4
1972	1620.7
1973	1809.5
1974	
1975	1315.5
1976	1689.8
1977	1254.2
1978	667.3
1979	1064.9
1980	804.4
1981	1118.2
1982	1274.9
1983	3114.8
1984	1443.3
1985	874.7
1986	879.4
1987	1174.4
1988	815.1
1989	1465.7
1990	603.3
1991	1177.0
1992	
1993	
1994	1453.8
1995	

CHIRA	CUENCA
EL CIRUELO	ESTACION

CUENCA CHIRA	ESTACION EL CIRUELO	DEPARTAMENTO PIURA	LONGITUD 80° 09'1	LATITUD 04° 18'1
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CUENCA CHIRA	ESTACION EL CIRUELO	DEPARTAMENTO PIURA	LONGITUD 80° 09'1	LATITUD 04° 18'1
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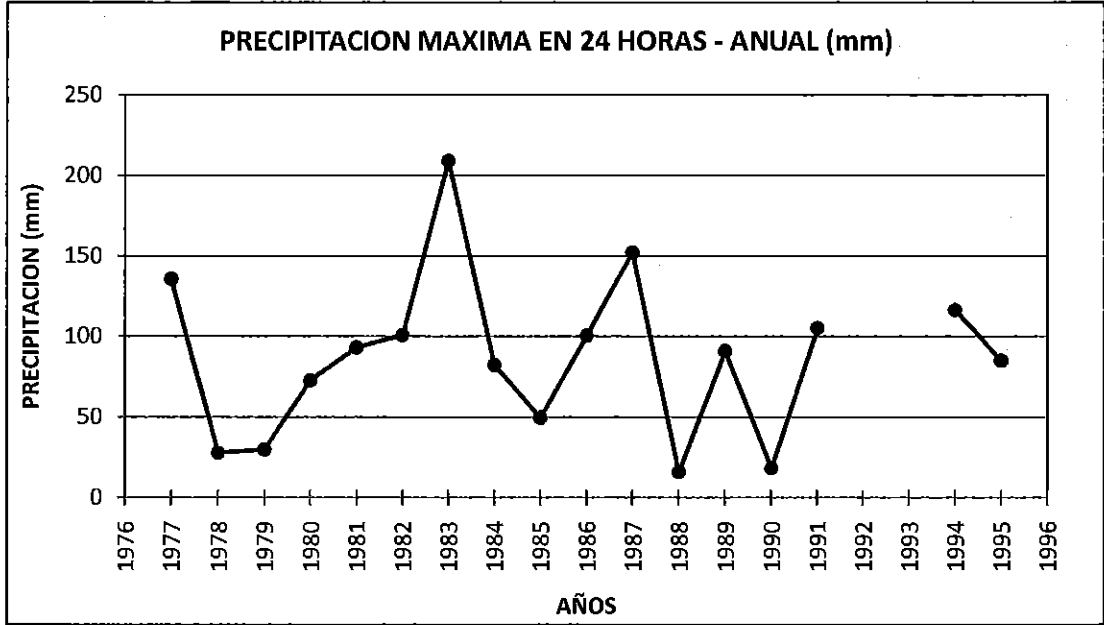


PRECIPITACION MAXIMA EN 24 HORAS (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CHIRA	EL CIRUELO	PIURA	80° 09'1	04° 18'1

Año	Mes												Máx.	
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic		
1976													2.3	
1977	14.9	47.1	135.9	22.7	1.8	26.7	1.2	0.0	3.0	0.4	0.0	0.2	0.2	135.9
1978	7.3	19.7	28.0	11.1	1.2	0.1	0.4	0.0	1.3	0.0	2.1	0.0	0.0	28.0
1979	18.1	5.4	30.0	6.8	0.5	0.5	0.3	0.1	0.0	0.0	0.0	0.5	0.5	30.0
1980	11.4	5.1	52.0	72.9	0.2	0.0	0.0	0.0	0.0	1.0	0.7	2.5	2.5	72.9
1981	2.0	10.1	93.2	7.2	0.0	0.4	0.3		0.0	3.2	0.5	18.2	18.2	93.2
1982	19.5	5.8	0.0	5.5	1.3	0.1	0.0	0.0	0.9	4.1	16.0	100.8	100.8	100.8
1983	209.1	72.5	106.5	107.0	73.3	42.6	5.6	0.3	0.6	7.6	0.8	30.0	30.0	209.1
1984	12.8	59.5	82.5	39.8	9.2	0.2	0.0	0.3	0.5	1.1	11.8	1.0	1.0	82.5
1985	6.1	49.7	39.8	5.1	10.7	0.0	0.0	0.5	0.0	1.0	0.0	4.8	4.8	49.7
1986	51.3	100.5	12.9	46.8	2.3	0.0	0.0	0.0	0.0	0.6	1.6	10.4	10.4	100.5
1987	35.2	102.6	152.3	99.5	11.6	1.0	0.4	0.0	0.0	2.7	0.5	0.8	0.8	152.3
1988	12.7	16.1	1.5	9.5	2.2	0.0	0.0	0.3	0.3	0.0	1.0	0.2	0.2	16.1
1989	72.7	37.6	91.0	67.6	0.1	6.7	0.3	0.1	0.0		0.9	0.0	0.0	91.0
1990	2.3	15.8	18.3	11.0	0.4	0.0	0.0	0.0	0.0	1.0	5.8	8.3	8.3	18.3
1991	7.5	31.5	105.3	8.2	4.0	0.6	0.0	0.0	1.1	1.6	0.0	1.6	1.6	105.3
1992	61.9	44.2	81.2	186.0				0.0						
1993							4.4	0.0	0.0	10.1	1.7	21.3		
1994	20.5	116.5	25.5	88.0	2.8	0.0	0.4	0.0	0.1	0.1	0.0	4.0	4.0	116.5
1995	85.0	59.0	14.6	39.6	2.5	0.0	0.0		0.8	0.4	0.5	7.7	7.7	85.0
1996	14.5	76.5	66.0											

CUENCA CHIRA	ESTACION EL CIRUELO	DEPARTAMENTO PIURA	LONGITUD 80° 09'1	LATITUD 04° 18'1
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PRECIPITACION TOTAL ANUAL (mm)

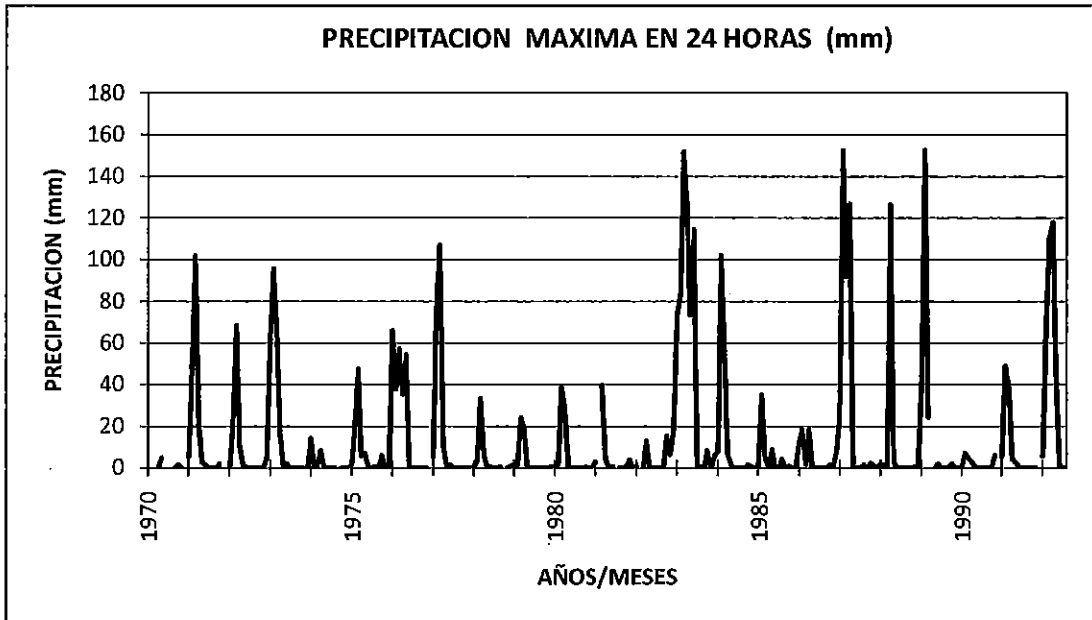
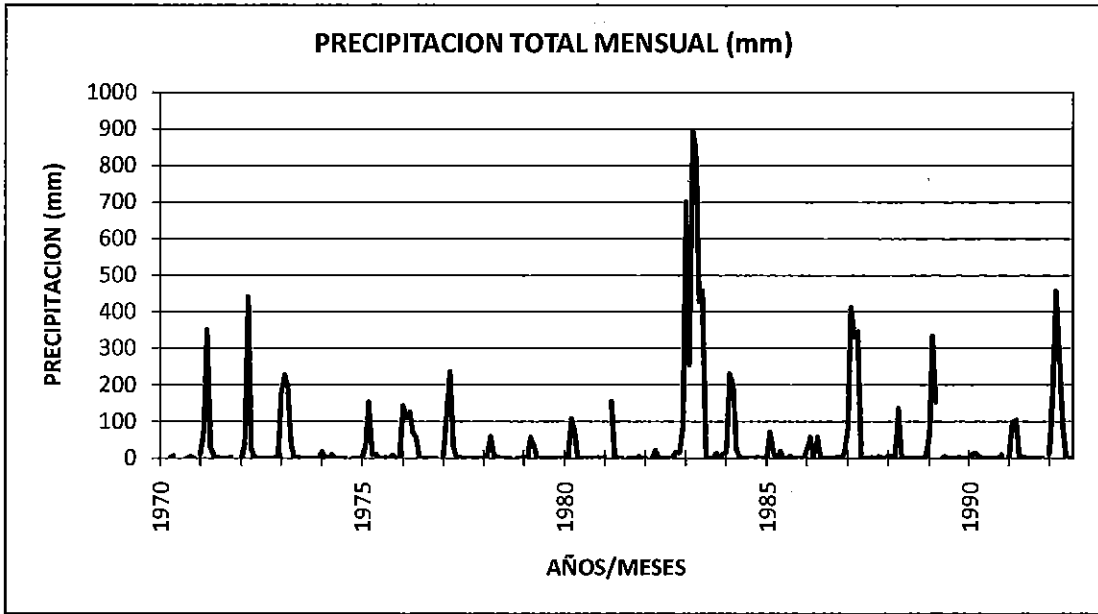
CUENCA CHIRA	ESTACION EL CIRUELO	DEPARTAMENTO PIURA	LONGITUD 80° 09'1	LATITUD 04° 18'1
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Año	Total
1976	
1977	894.2
1978	149.3
1979	181.9
1980	360.1
1981	555.2
1982	488.6
1983	3112.6
1984	783.5
1985	265.3
1986	607.9
1987	1288.8
1988	120.4
1989	1023.5
1990	173.9
1991	416.1
1992	
1993	
1994	737.6
1995	405.4
1996	

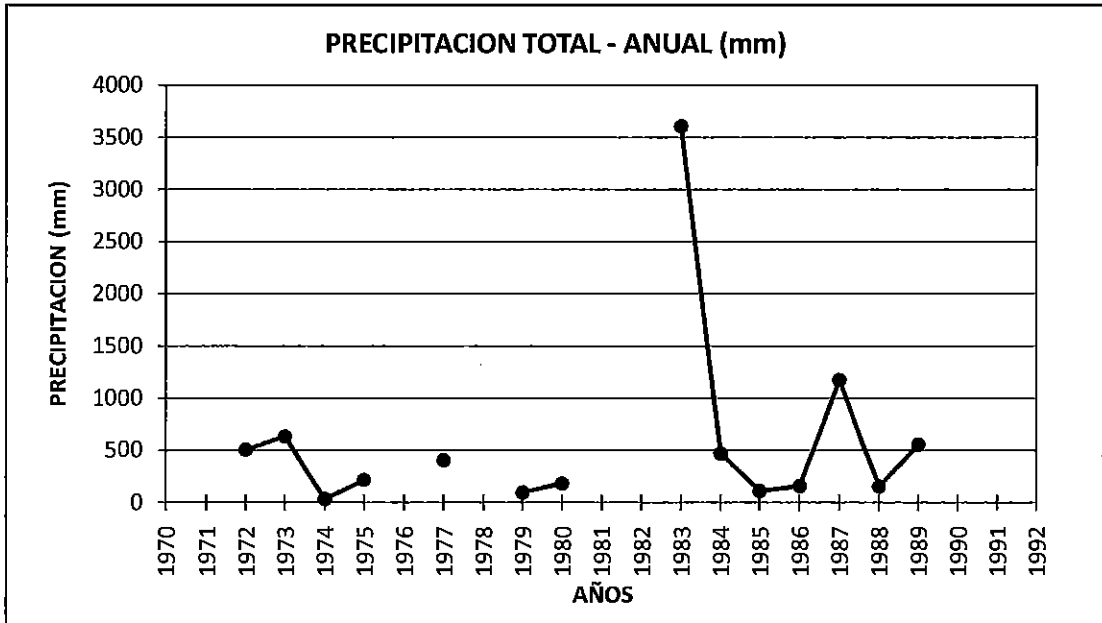
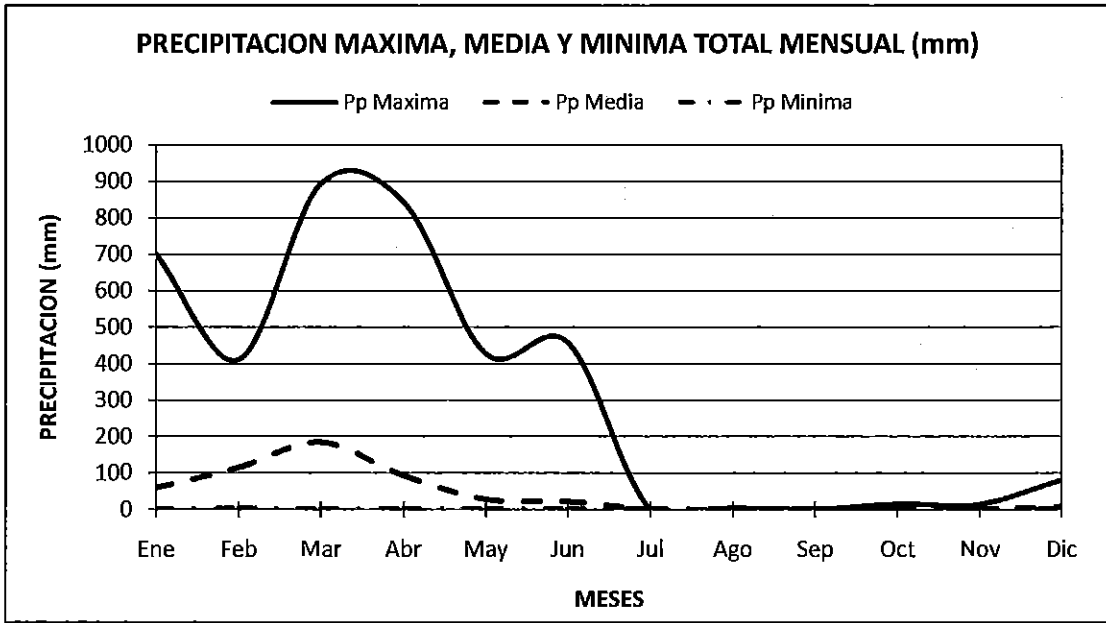
CUENCA	CHIRA
ESTACION	ARDILLA (SOLANA BAJA)

Año	Mes	Días																															Total	Máximo	Medio	Mínimo		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
1992	2	0.0	5.0	0.0	0.0	0.0	0.0	1.1	44.7	2.8	39.5	0.0	0.0	0.1	0.0	0.7	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	71.1	0.0	0.0	193.8	71.1	6.7	0.0			
	3	0.0	2.6	8.0	14.0	0.0	7.3	110.5	14.6	0.0	0.0	1.4	27.7	22.0	17.2	33.7	6.7	0.0	2.8	22.1	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.6	6.7	1.3	15.7	107.5	5.1	14.7	0.0			
	4	1.2	0.3	1.0	2.8	7.5	35.3	0.0	0.0	4.7	10.3	23.0	0.0	0.0	2.2	28.2	117.8	15.2	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	268.3	117.8	8.9	0.0	
	5	22.6	0.6	0.1	0.0	0.0	43.8	0.0	1.8	0.0	0.0	0.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.8	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.1	81.2	43.8	2.8	0.0	
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	9																																					
	10																																					
	11																																					
	12																																					

CUENCA CHIRA	ESTACION RDILLA (SOLANA BA.)	DEPARTAMENTO PIURA	LONGITUD 80° 26'1	LATITUD 04° 31'1
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CUENCA CHIRA	ESTACION RDILLA (SOLANA BA.)	DEPARTAMENTO PIURA	LONGITUD 80° 26'1	LATITUD 04° 31'1
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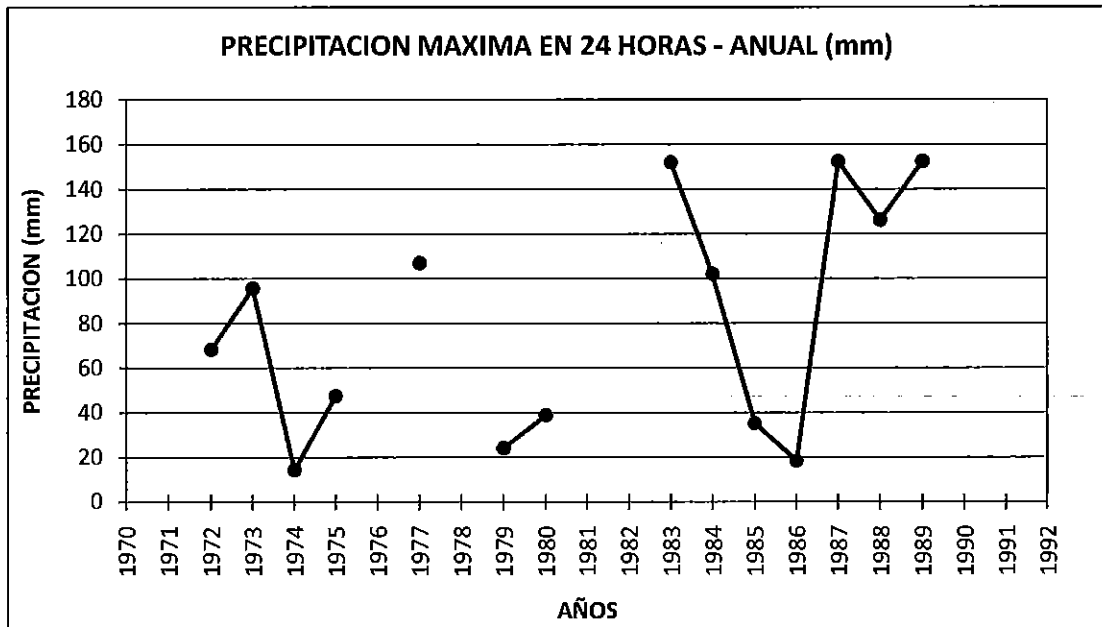


PRECIPITACION MAXIMA EN 24 HORAS (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CHIRA	ARDILLA (SOLANA BA.)	PIURA	80° 26'1	04° 31'1

Año	Mes												Máx.
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1970				0.0	5.0				0.0	1.6	0.3		
1971	5.4	49.8	101.7	21.3	2.8	1.1	0.0	0.0	0.0	2.1			
1972	0.0	21.5	68.4	11.0	1.0	0.3	0.0	0.0	0.0	0.0	0.0	5.1	68.4
1973	59.6	95.8	65.0	17.1	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	95.8
1974	14.4	1.5	1.4	8.5	0.0	0.3	0.0	0.0	0.0	0.3	0.0	0.0	14.4
1975	1.1	19.3	47.5	5.7	7.0	0.5	0.0	0.8	0.0	6.0	0.0	0.0	47.5
1976	65.9	37.7	57.1	35.6	54.4	0.5	0.0	0.3	0.0	0.0	0.0		
1977	5.6	76.5	107.1	10.7	0.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	107.1
1978	0.0	3.6	33.4	6.2	0.7	0.7	0.0	0.0	0.6		0.0	0.9	
1979	1.5	1.5	24.1	18.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.7	24.1
1980	0.0	2.0	38.7	29.2	0.7	0.0	0.0	0.0	0.0	0.4	0.3	0.3	38.7
1981	2.9		39.8	4.1	0.0	0.8		0.0	0.0	0.9	3.9	0.1	
1982	0.9		0.0	13.0	0.2	0.0	0.0	0.0	0.5	15.5	6.5	17.9	
1983	73.5	83.3	151.9	124.5	73.2	114.5	0.2	0.8	0.0	8.3	0.0	5.8	151.9
1984	7.9	102.1	54.9	6.6	1.2	0.0	0.0	0.0	0.0	1.4	0.7	0.0	102.1
1985	1.1	35.1	5.6	0.0	8.9	0.0	0.0	4.1	0.0	0.9	0.0	0.3	35.1
1986	12.2	18.3	1.8	18.3	0.3	0.0	0.0	0.2	0.0	1.5	0.5	8.1	18.3
1987	24.9	152.4	91.9	126.6	0.0	0.0	0.2	1.5	0.0	2.4	1.1	0.0	152.4
1988	2.1	1.3	0.0	126.3	3.1	0.0	0.0	0.0	0.0	0.0	0.7	0.4	126.3
1989	41.7	152.5	24.2		0.2	2.2	0.0	0.0	0.0	2.1	0.0	0.0	152.5
1990	0.3	7.1	4.6	2.8	0.4	0.0	0.0	0.0	0.0	0.6	6.2		
1991	5.6	48.8	37.4	4.2	2.7	0.5	0.0	0.0	0.0	0.0	0.1		
1992	5.8	71.1	110.5	117.8	43.6	0.0	0.0	0.0					

CUENCA CHIRA	ESTACION ARDILLA (SOLANA BA.	DEPARTAMENTO PIURA	LONGITUD 80° 26'1	LATITUD 04° 31'1
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PRECIPITACION TOTAL ANUAL (mm)

CUENCA CHIRA	ESTACION ARDILLA (SOLANA BAJA)	DEPARTAMENTO PIURA	LONGITUD 80° 26'1	LATITUD 04° 31'1
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Año	Total
1970	
1971	
1972	506.6
1973	635.7
1974	33.4
1975	218.1
1976	
1977	408.5
1978	
1979	95.4
1980	184.5
1981	
1982	
1983	3605.5
1984	471.6
1985	112.9
1986	157.3
1987	1176.9
1988	154.1
1989	556.8
1990	
1991	
1992	

**RELACION DE ESTACIONES DE LA CUENCA DEL
"RIO CAÑETE"**

CODIGO	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
636	YAUYOS	LIMA	75° 54'38.2	12° 29'31.4
155450	YAURICOCHA	LIMA	75° 43'22.5	12° 19'0
155169	TOMAS	LIMA	75° 45'1	12° 14'1
156106	TANTA	LIMA	76° 01'1	12° 07'1
6230	SOCSI CAÑETE	LIMA	76° 11'40	13° 01'42
638	PACARAN	LIMA	76° 03'18.3	12° 51'43.4
6641	NICOLAS FRANCO SILVERA	LIMA	76° 05'17	12° 53'57
156112	HUANTAN	LIMA	75° 49'1	12° 27'1
156110	HUANGASCAR	LIMA	75° 50'2.2	12° 53'55.8
156107	COLONIA	LIMA	75° 53'1	12° 38'1
156109	CARANIA	LIMA	75° 52'20.7	12° 20'40.8
156104	AYAVIRI	LIMA	76° 08'1	12° 23'1
489	COSMOS	JUNIN	75° 34'1	12° 09'1

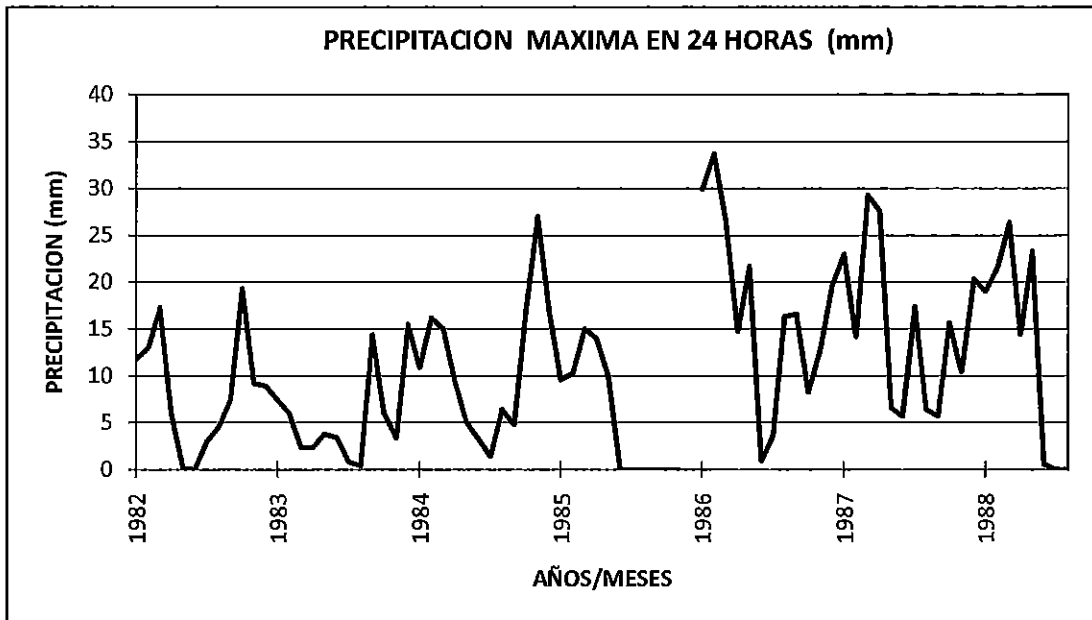
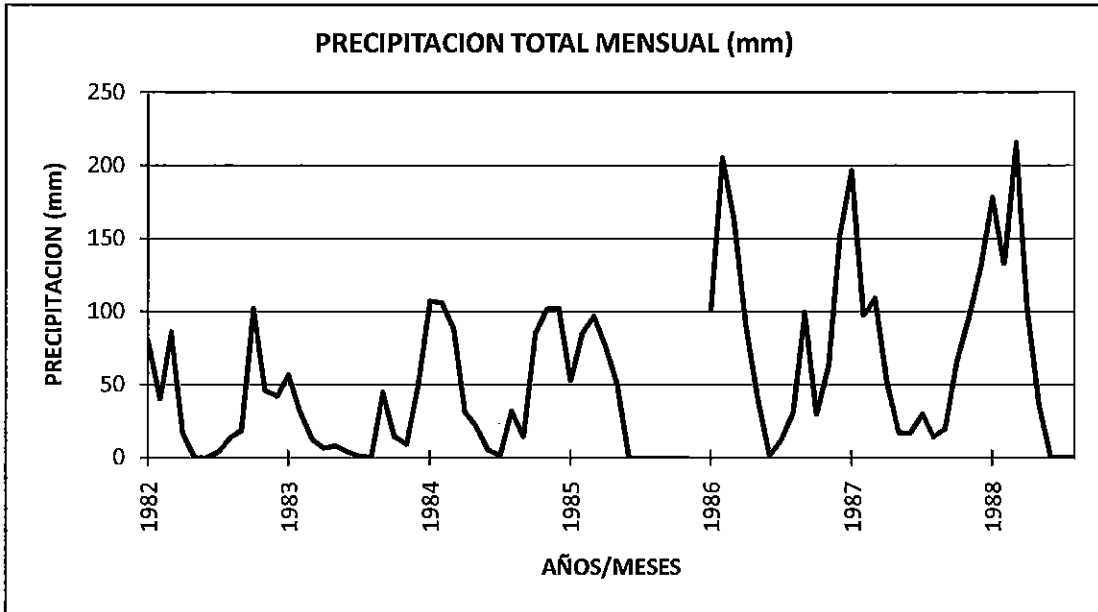
PERIODO Y LONGITUD DE LA INFORMACION DISPONIBLE DE LAS ESTACIONES PLUVIALES

Estación	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009						
CAÑETE																																																							
COSMOS																																																							
AYAVIRI																																																							
CARANIA																																																							
COLONIA																																																							
HUANGASCAR																																																							
HUANTAN																																																							
NICOLAS FRANCO SILVERA																																																							
PARARAN																																																							
SOCSI																																																							
TANTA																																																							
TOMAS																																																							
YAURICOCHA																																																							
YAUYOS																																																							

CUENCA	CAÑETE
ESTACION	COSMOS

Año	Mes	Días																															Total	Máximo	Medio	Mínimo
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
1987	2	0.3	4.2	0.0	6.1	7.0	1.4	0.0	0.5	14.2	9.2	7.4	0.6	0.0	4.8	0.0	5.6	0.6	2.6	3.8	12.5	0.9	0.0	0.0	5.0	0.0	1.8	9.0				97.7	14.2	3.6	0.0	
	3	0.0	0.0	0.0	0.0	5.0	12.7	5.8	16.2	2.4	1.9	0.8	3.2	0.0	0.0	0.6	6.4	0.0	3.8	2.9	0.0	5.3	29.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	108.9	29.3	3.6	0.0
	4	0.0	0.9	3.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.4	3.3	0.0	2.7	7.8	0.2	0.5	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.8	27.9	1.7	0.0	
	5	4.2	0.5	0.0	0.2	1.3	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.4	6.6	0.6	0.0		
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	1.8	0.0	2.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	4.0	0.0	17.0	5.7	0.6	0.0		
	7	0.6	17.4	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	17.4	1.0	0.0		
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	6.4	0.5	0.0		
	9	0.0	2.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.9	5.7	0.7	0.0		
	10	1.9	0.0	0.5	6.8	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	3.8	3.3	1.4	0.9	0.0	7.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	18.7	1.2	64.9	15.7	2.2	0.0
	11	0.0	3.9	0.0	2.1	0.0	4.2	0.0	2.6	0.0	0.0	2.1	3.1	1.9	3.6	0.3	0.0	3.7	1.2	6.0	7.4	4.5	4.8	6.4	9.7	4.8	7.3	10.5	0.0	4.2	1.5	95.8	10.5	3.2	0.0	
	12	10.5	3.0	2.3	0.0	7.0	11.2	20.3	15.0	0.0	0.3	2.3	0.4	10.0	0.0	1.6	0.7	0.0	5.4	1.8	0.0	0.0	7.0	1.4	4.9	7.9	9.5	2.1	0.0	4.2	1.9	130.7	20.3	4.4	0.0	
	1988	1	3.0	4.0	1.5	5.4	0.0	1.5	7.8	0.0	0.0	0.2	1.4	0.0	3.4	1.2	7.7	11.9	4.0	6.2	7.6	3.2	6.6	13.5	4.3	10.3	19.0	5.2	9.8	16.0	5.4	178.1	19.0	5.9	0.0	
2		3.6	10.7	6.6	2.6	21.5	4.6	0.0	0.0	13.2	3.3	20.0	8.4	2.8	15.6	5.4	1.8	0.0	0.0	0.6	5.3	4.0	1.1	0.0	0.0	0.0	0.4	0.0	0.0	0.6	133.1	21.5	4.6	0.0		
3		0.0	2.4	16.4	13.4	13.5	0.7	26.4	13.4	2.2	0.8	6.6	6.0	8.4	3.8	2.8	11.6	11.6	7.1	4.2	2.2	22.2	6.6	9.8	2.0	0.0	12.4	0.0	4.2	3.6	7.2	215.5	26.4	7.2	0.0	
4		14.5	5.8	10.3	4.3	0.9	1.0	2.4	0.0	0.4	0.0	12.6	0.0	0.0	0.0	0.4	0.9	0.0	0.0	1.3	2.2	4.0	12.2	3.1	4.8	0.0	1.8	0.0	0.0	0.0	0.0	101.4	14.5	3.4	0.0	
5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.4	0.3	0.0	0.0	0.0	23.3	3.6	0.2	0.0	0.1	2.6	0.2	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	35.9	23.3	1.2	0.0	
6		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.0	0.0		
7		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9																																				
10																																				
11																																				
12																																				

CUENCA CAÑETE	ESTACION COSMOS	DEPARTAMENTO JUNIN	LONGITUD 75° 34'1	LATITUD 12° 09'1
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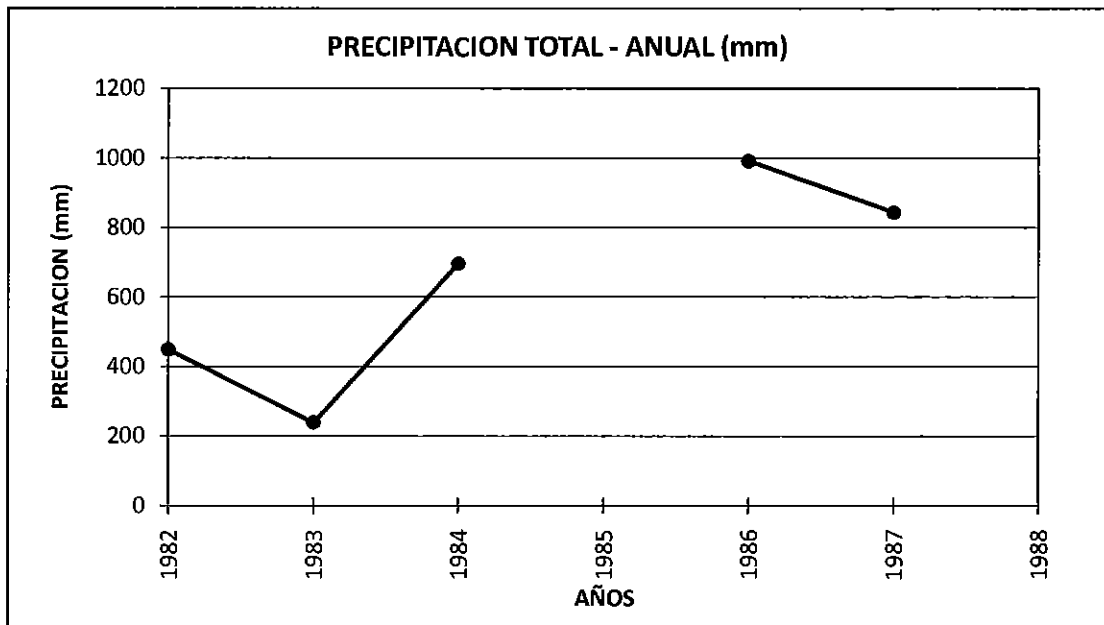
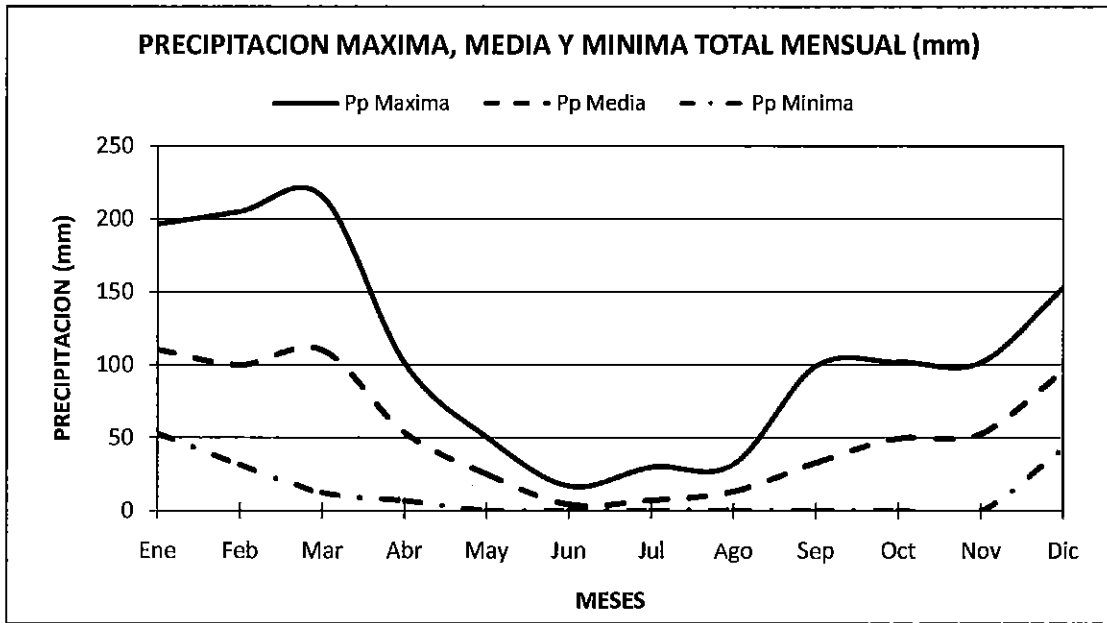


PRECIPITACION TOTAL MENSUAL (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CAÑETE	COSMOS	JUNIN	75° 34'1	12° 09'1

Año	Mes												Total
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1982	79.3	40.3	86.0	16.8	0.1	0.0	4.4	13.8	18.6	102.1	45.9	42.3	449.6
1983	56.9	31.4	12.3	6.7	8.1	4.2	1.0	0.4	44.6	14.5	9.5	49.5	239.1
1984	107.2	106.0	88.1	31.4	21.6	5.4	1.4	31.9	14.6	85.1	101.8	102.3	696.8
1985	52.9	85.2	96.7	76.4	50.5	0.0	0.0	0.0	0.0	0.0	0.0		
1986	101.6	205.2	163.1	90.8	40.9	1.5	12.4	30.6	99.5	30.0	62.5	152.9	991.1
1987	196.6	97.7	108.9	50.8	17.4	17.0	30.0	14.3	19.9	64.9	95.8	130.7	844.1
1988	178.1	133.1	215.5	101.4	35.9	0.6	0.0	0.0					
Pp Maxima	196.6	205.2	215.5	101.4	50.5	17.0	30.0	31.9	99.5	102.1	101.8	152.9	991.1
Pp Media	110.4	99.9	110.1	53.5	24.9	4.1	7.0	13.0	32.9	49.4	52.6	95.5	644.1
Pp Minima	52.9	31.4	12.3	6.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	42.3	239.1

CUENCA CAÑETE	ESTACION COSMOS	DEPARTAMENTO JUNIN	LONGITUD 75° 34'1	LATITUD 12° 09'1
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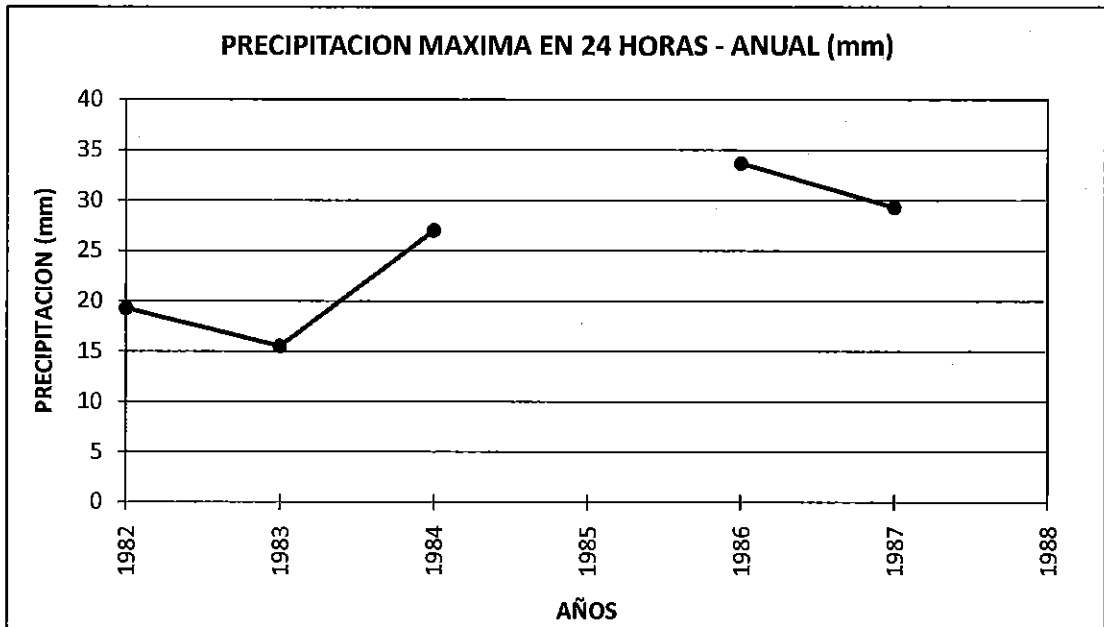


PRECIPITACION MAXIMA EN 24 HORAS (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CAÑETE	COSMOS	JUNIN	75° 34'1	12° 09'1

Año	Mes												Máx.
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1982	11.8	13.0	17.3	6.0	0.1	0.0	3.0	4.6	7.4	19.3	9.2	8.9	19.3
1983	7.4	6.0	2.3	2.3	3.8	3.4	0.8	0.4	14.4	6.0	3.4	15.5	15.5
1984	10.9	16.2	15.0	9.4	5.0	3.3	1.4	6.4	4.8	17.0	27.0	17.0	27.0
1985	9.6	10.3	15.0	14.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0		
1986	29.9	33.7	26.5	14.8	21.7	0.9	3.6	16.3	16.6	8.3	12.8	19.6	33.7
1987	23.0	14.2	29.3	27.8	6.6	5.7	17.4	6.4	5.7	15.7	10.5	20.3	29.3
1988	19.0	21.5	26.4	14.5	23.3	0.6	0.0	0.0					

CUENCA CAÑETE	ESTACION COSMOS	DEPARTAMENTO JUNIN	LONGITUD 75° 34'1	LATITUD 12° 09'1
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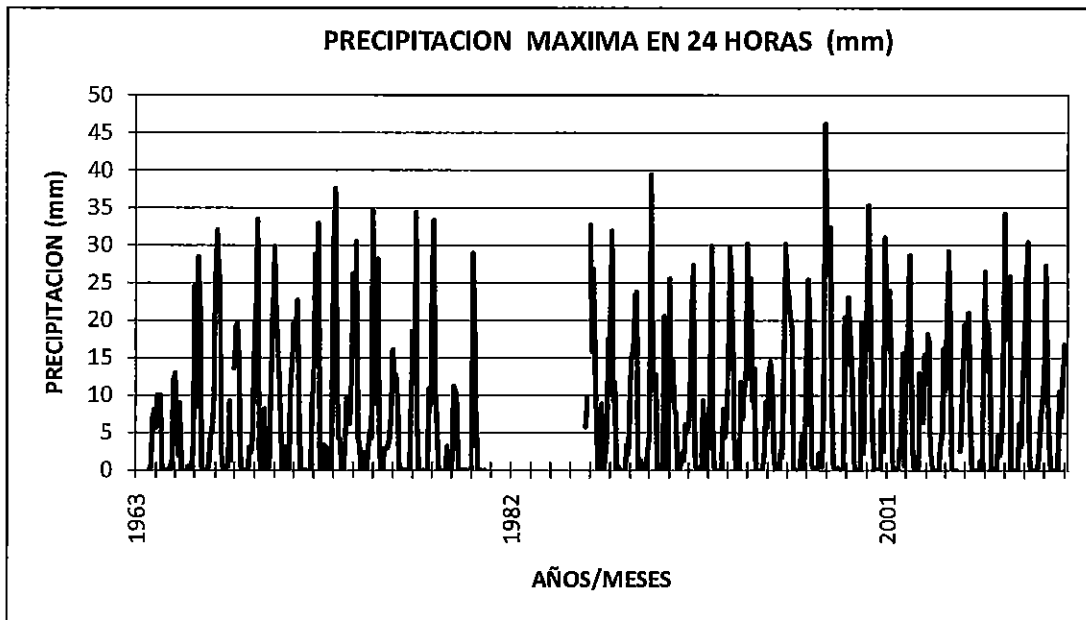
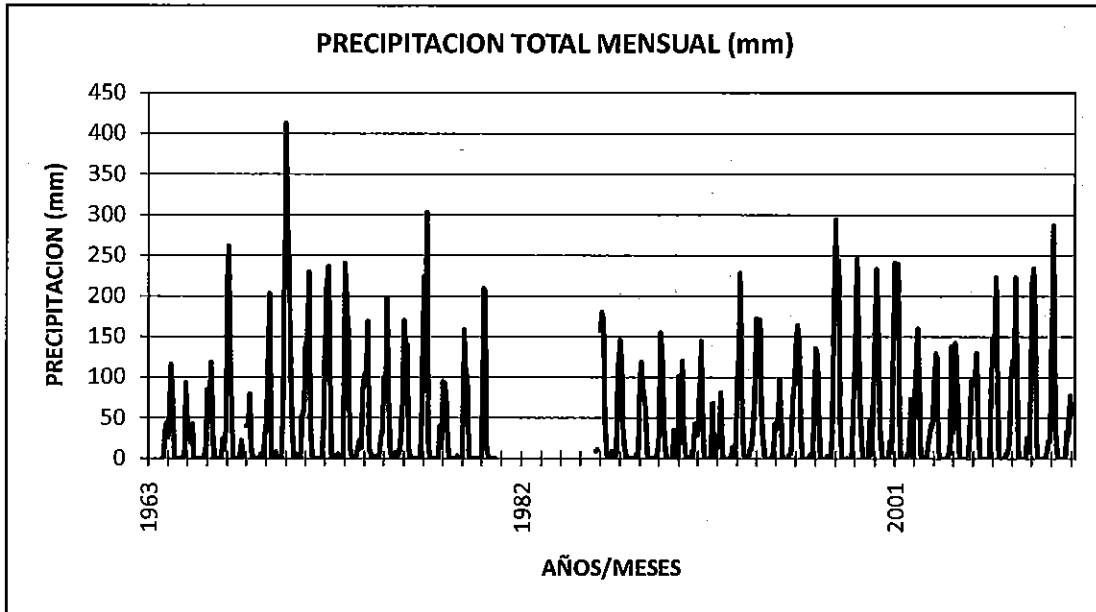
PRECIPITACION TOTAL ANUAL (mm)

CUENCA CAÑETE	ESTACION COSMOS	DEPARTAMENTO JUNIN	LONGITUD 75° 34'1	LATITUD 12° 09'1
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Año	Total
1982	449.6
1983	239.1
1984	696.8
1985	
1986	991.1
1987	844.1
1988	

CUENCA	CAÑETE
ESTACION	AYAVIRI

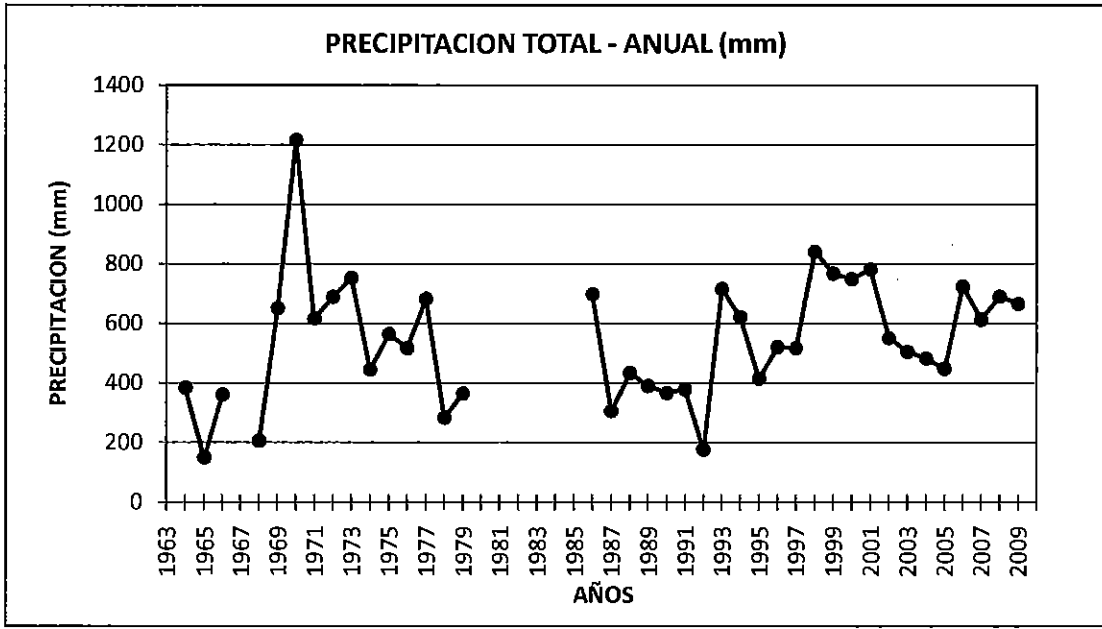
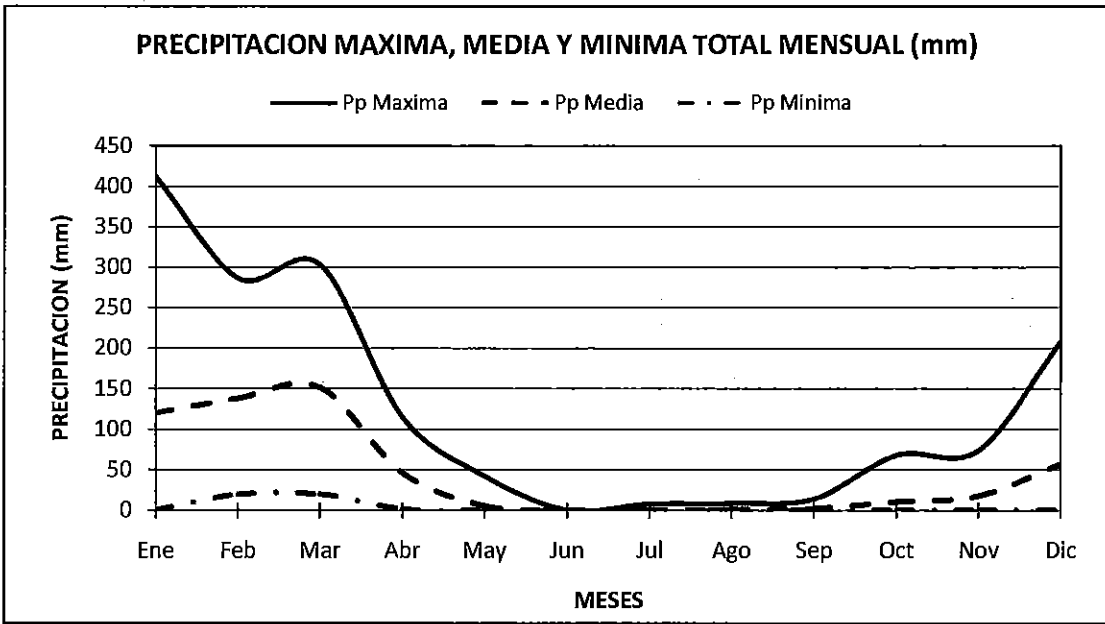
CUENCA CAÑETE	ESTACION AYAVIRI	DEPARTAMENTO LIMA	LONGITUD 76° 08'1	LATITUD 12° 23'1
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PRECIPITACION TOTAL MENSUAL (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD									
CAÑETE	AYAVIRI	LIMA	76° 08'1	12° 23'1									
Año	Mes												Total
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1963									0.0	1.2	33.5	42.7	
1964	26.2	77.7	115.7	71.1	0.0	0.0	0.0	0.0	0.0	1.0	0.2	93.0	384.9
1965	47.3	27.9	19.6	42.2	0.0	0.0	0.0	0.0	0.5	0.5	0.0	12.7	150.8
1966	84.9	45.0	118.2	37.3	1.1	0.0	0.0	0.0	0.7	24.0	10.4	40.0	361.8
1967	225.6	261.4	125.4	54.7	2.0	0.0	0.0	0.6	0.5	21.7	3.3		
1968	40.3	40.0	78.9	15.1	0.5	0.0	0.0	0.0	0.0	5.5	3.6	23.1	207.1
1969	47.0	122.1	202.9	5.9	0.3	0.0	8.2	0.0	0.0	0.6	56.5	208.2	651.8
1970	412.2	284.8	245.9	114.8	40.6	0.0	0.0	5.2	0.0	0.0	52.8	60.2	1216.5
1971	138.1	151.6	230.1	49.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.3	616.8
1972	126.2	211.3	236.1	99.3	0.0	0.0	3.4	0.0	5.3	2.4	0.0	5.8	689.9
1973	239.9	201.6	156.5	14.7	6.2	0.0	0.0	2.8	13.3	21.9	12.6	83.5	753.1
1974	103.6	91.8	168.7	10.6	6.6	0.0	0.0	3.1	0.0	3.0	27.0	30.8	445.3
1975	99.8	80.9	198.5	72.7	9.1	0.0	0.0	7.6	3.6	6.1	21.5	65.1	565.0
1976	169.9	138.7	140.3	12.7	0.0	0.3	0.0	0.0	0.0	0.0	0.0	56.4	518.3
1977	223.9	83.9	303.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	39.7	13.0	683.5
1978	93.8	93.2	77.0	16.6	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	283.9
1979	0.0	158.6	105.7	101.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	365.9
1980	0.0	209.2	205.5	16.6	0.4	0.0	0.0	0.0	0.0				
1981													
1982													
1983													
1984													
1985										8.9	11.0		
1986	157.7	180.0	168.7	49.2	6.5	0.0	0.0	8.9	0.0	1.4	13.7	112.2	696.3
1987	145.5	112.3	27.5	12.1	0.0	0.5	0.0	0.0	0.0	0.0	6.1	2.1	306.1
1988	104.3	118.4	86.3	73.6	42.3	0.0	0.0	1.2	0.0	0.9	0.0	7.9	434.9
1989	24.4	154.9	128.0	36.1	12.8	0.0	0.0	0.0	0.0	34.9	0.0	0.0	391.1
1990	101.9	19.4	119.8	30.4	8.5	0.0	0.0	0.8	8.5	3.8	42.4	31.8	367.3
1991	28.7	74.9	143.8	60.6	2.4	0.0	0.0	0.0	0.0	68.4	0.0	0.0	378.8
1992	27.3	30.5	81.1	4.9	0.0	0.0	0.0	0.0	0.0	14.4	4.4	15.2	177.8
1993	99.0	140.4	227.9	81.1	10.1	0.0	0.0	0.0	11.8	11.7	45.3	89.2	716.5
1994	172.5	164.4	171.0	45.3	22.1	0.0	0.0	0.0	0.0	0.0	5.3	42.3	622.9
1995	34.6	53.0	96.5	49.0	2.7	0.0	0.0	0.0	5.0	6.6	74.2	94.0	415.6
1996	140.1	163.8	138.8	39.6	1.1	0.0	0.0	0.0	1.0	4.7	0.0	32.7	521.8
1997	135.8	127.3	46.3	1.6	0.3	0.0	0.0	3.5	3.6	0.5	29.8	169.0	517.7
1998	294.3	188.7	243.6	46.2	0.8	0.0	0.0	0.3	0.0	0.2	67.5	841.6	
1999	122.6	245.9	166.0	73.2	23.2	0.0	0.0	0.0	0.0	46.2	5.0	86.6	768.7
2000	166.0	232.9	150.2	42.3	8.1	0.0	0.0	0.0	0.0	21.9	7.4	120.8	749.6
2001	240.9	149.3	238.9	60.5	2.0	0.0	0.0	0.0	5.6	10.5	73.3	0.6	781.6
2002	68.3	103.9	159.8	90.6	5.0	0.0	0.0	0.0	14.5	27.6	42.0	39.7	551.4
2003	92.0	129.1	124.1	10.5	0.6	0.0	0.0	0.0	0.0	4.8	5.9	138.2	505.2
2004	32.9	141.5	120.8	63.5	0.0	0.0	0.0	0.0		4.6	24.2	95.7	483.2
2005	91.0	91.2	129.7	46.5	0.0	0.0	0.0	0.0	0.0	1.6	0.0	88.2	448.2
2006	148.5	130.7	223.0	94.6	0.0	0.0	0.0	0.0	5.2	6.4	19.7	97.7	725.8
2007	119.8	101.3	222.9	82.1	0.0	0.0	0.0	0.0	0.0	24.8	7.9	54.6	613.4
2008	215.4	233.8	172.9	20.1	0.0	0.0	0.0	0.0	0.0	6.6	21.0	21.5	691.3
2009	134.7	286.5	86.9	19.1	0.0	0.0	0.0	0.0	0.0	32.9	29.6	77.5	667.2
2010	54.3		152.8										
Pp Maxima	412.2	286.5	303.0	114.8	42.3	0.5	8.2	8.9	14.5	68.4	74.2	208.2	1216.5
Pp Media	119.8	137.9	151.3	46.1	5.3	0.0	0.3	0.8	1.9	10.4	17.4	56.7	545.4
Pp Minima	0.0	19.4	19.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	150.8

CUENCA CAÑETE	ESTACION AYAVIRI	DEPARTAMENTO LIMA	LONGITUD 76° 08'1	LATITUD 12° 23'1
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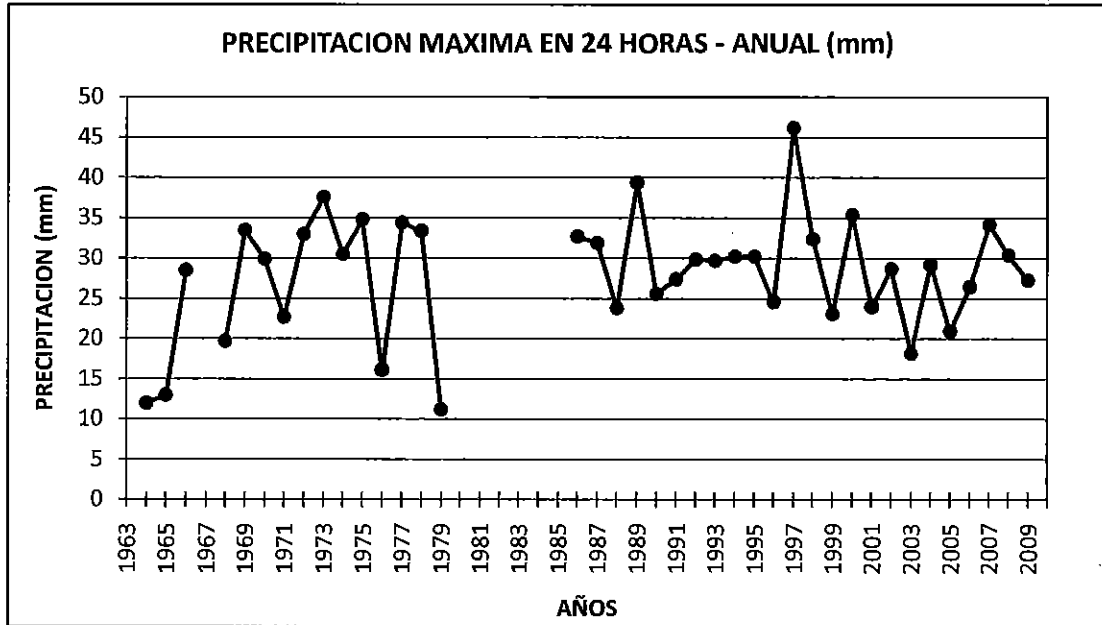


PRECIPITACION MAXIMA EN 24 HORAS (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CAÑETE	AYAVIRI	LIMA	76° 08'1	12° 23'1

Año	Mes												Máx.
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1963									0.0	0.5	7.0	8.1	
1964	5.7	10.0	9.9	10.0	0.0	0.0	0.0	0.0	0.0	0.6	0.2	12.0	12.0
1965	13.0	5.0	1.9	9.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	4.2	13.0
1966	24.6	8.5	28.5	21.2	0.6	0.0	0.0	0.0	0.7	4.7	5.6	9.6	28.5
1967	26.1	32.1	27.7	25.1	2.0	0.0	0.0	0.6	0.5	9.3	1.3		
1968	13.6	19.2	19.7	13.4	0.5	0.0	0.0	0.0	0.0	3.1	2.4	5.2	19.7
1969	19.3	21.0	33.5	3.0	0.2	0.0	8.2	0.0	0.0	0.6	13.1	20.9	33.5
1970	29.9	23.6	17.2	12.8	7.3	0.0	0.0	3.1	0.0	0.0	11.0	14.1	29.9
1971	19.7	17.4	22.7	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	22.7
1972	11.8	28.9	23.2	33.0	0.0	0.0	3.4	0.0	3.1	2.4	0.0	4.2	33.0
1973	30.7	37.6	19.5	4.3	4.2	0.0	0.0	2.8	9.7	9.0	6.2	11.2	37.6
1974	26.2	18.3	30.5	4.2	3.4	0.0	0.0	2.4	0.0	2.4	5.3	4.3	30.5
1975	34.8	8.9	24.0	28.2	5.1	0.0	0.0	2.8	2.8	3.1	4.3	7.7	34.8
1976	16.1	11.4	12.7	8.4	0.0	0.3	0.0	0.0	0.0	0.0	0.0	8.3	16.1
1977	18.6	12.3	34.4	6.1	0.0	0.0	0.0	0.0	0.0	0.0	10.9	8.7	34.4
1978	28.2	33.4	10.5	6.8	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	33.4
1979	0.0	11.2	10.8	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.2
1980	0.0	29.0	22.4	6.4	0.4	0.0	0.0	0.0	0.0				
1981													
1982													
1983													
1984													
1985										5.8	9.8		
1986	32.7	15.9	26.8	13.5	6.5	0.0	0.0	8.9	0.0	1.4	4.1	17.6	32.7
1987	14.6	31.9	9.3	11.7	0.0	0.5	0.0	0.0	0.0	0.0	3.4	2.1	31.9
1988	11.7	15.3	16.3	23.4	23.8	0.0	0.0	1.2	0.0	0.9	0.0	2.5	23.8
1989	4.9	39.4	17.9	10.7	12.8	0.0	0.0	0.0	0.0	20.6	0.0	0.0	39.4
1990	25.6	9.3	14.6	8.2	7.6	0.0	0.0	0.8	2.4	1.3	6.1	5.4	25.6
1991	5.7	10.8	22.6	27.4	2.4	0.0	0.0	0.0	0.0	9.3	0.0	0.0	27.4
1992	7.1	9.4	29.9	2.6	0.0	0.0	0.0	0.0	0.0	8.2	4.4	6.7	29.9
1993	12.7	29.7	25.9	17.1	4.5	0.0	0.0	0.0	11.8	6.8	11.1	11.4	29.7
1994	30.2	12.3	25.6	9.3	13.6	0.0	0.0	0.0	0.0	0.0	2.6	9.1	30.2
1995	5.7	13.1	14.5	11.1	2.2	0.0	0.0	0.0	2.7	1.8	15.7	30.2	30.2
1996	24.6	23.4	20.1	19.1	0.5	0.0	0.0	0.0	0.6	4.5	0.0	5.9	24.6
1997	17.3	25.4	16.7	0.9	0.3	0.0	0.0	2.2	2.3	0.5	9.2	46.2	46.2
1998	31.9	26.1	32.4	12.5	0.8	0.0	0.0	0.3	0.0	0.0	0.2	20.4	32.4
1999	14.1	23.1	19.0	14.2	6.6	0.0	0.0	0.0	0.0	19.7	2.3	15.1	23.1
2000	19.9	35.4	25.8	10.8	2.9	0.0	0.0	0.0	0.0	8.1	2.5	31.1	35.4
2001	22.7	16.3	24.0	9.3	0.7	0.0	0.0	0.0	2.7	3.1	15.6	0.6	24.0
2002	14.9	17.5	28.7	12.8	3.4	0.0	0.0	0.0	13.0	8.2	6.4	15.4	28.7
2003	11.6	18.2	17.1	2.6	0.6	0.0	0.0	0.0	0.0	3.4	4.8	16.2	18.2
2004	10.6	20.4	29.2	20.5	0.0	0.0	0.0	0.0	0.0	2.6	6.5	15.8	29.2
2005	19.5	15.5	21.0	7.7	0.0	0.0	0.0	0.0	0.0	1.2	0.0	14.8	21.0
2006	26.5	13.3	19.5	14.1	0.0	0.0	0.0	0.0	4.5	2.0	4.8	13.8	26.5
2007	34.2	17.5	24.9	25.9	0.0	0.0	0.0	0.0	0.0	6.2	3.2	11.8	34.2
2008	17.3	25.5	30.4	4.1	0.0	0.0	0.0	0.0	0.0	3.0	7.3	8.7	30.4
2009	12.7	27.3	10.5	4.8	0.0	0.0	0.0	0.0	0.0	10.5	7.1	12.5	27.3
2010	16.8		25.5										

CUENCA CAÑETE	ESTACION AYAVIRI	DEPARTAMENTO LIMA	LONGITUD 76° 08'1	LATITUD 12° 23'1
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PRECIPITACION TOTAL ANUAL (mm)

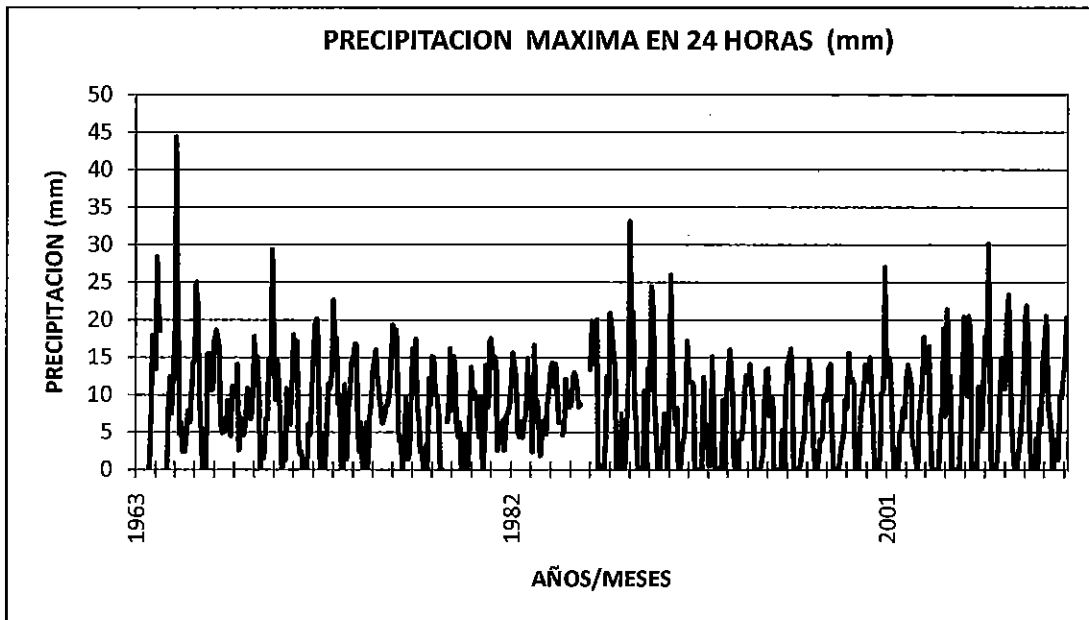
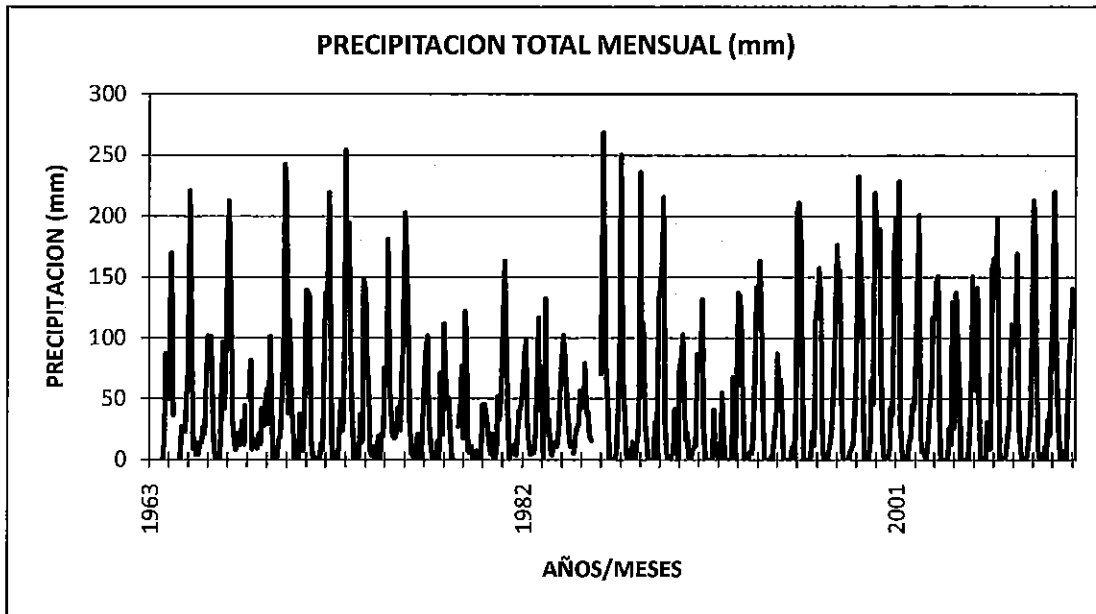
CUENCA CAÑETE	ESTACION AYAVIRI	DEPARTAMENTO LIMA	LONGITUD 76° 08'1	LATITUD 12° 23'1
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Año	Total
1963	
1964	384.9
1965	150.8
1966	361.8
1967	
1968	207.1
1969	651.8
1970	1216.5
1971	616.8
1972	689.9
1973	753.1
1974	445.3
1975	565.0
1976	518.3
1977	683.5
1978	283.9
1979	365.9
1980	
1981	
1982	
1983	
1984	
1985	
1986	698.3
1987	306.1
1988	434.9
1989	391.1
1990	367.3
1991	378.8
1992	177.8
1993	716.5
1994	622.9
1995	415.6
1996	521.8
1997	517.7
1998	841.6
1999	768.7
2000	749.6
2001	781.6
2002	551.4
2003	505.2
2004	483.2
2005	448.2
2006	725.8
2007	613.4
2008	691.3
2009	667.2
2010	

CUENCA	CAÑETE
ESTACION	CARANIA

Table with columns: Año, Mes, and 31 sub-columns for Days (Días) from 1 to 31. Each row contains numerical data for various categories, with sub-totals for 'Total', 'Máximo', 'Medio', and 'Mínimo' at the bottom of the table.

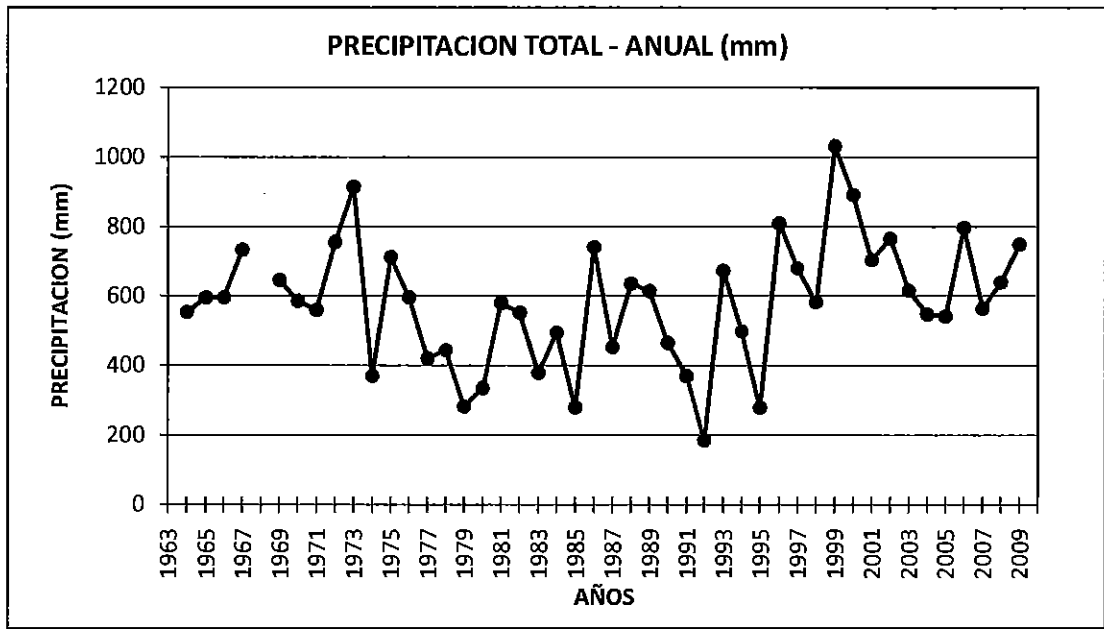
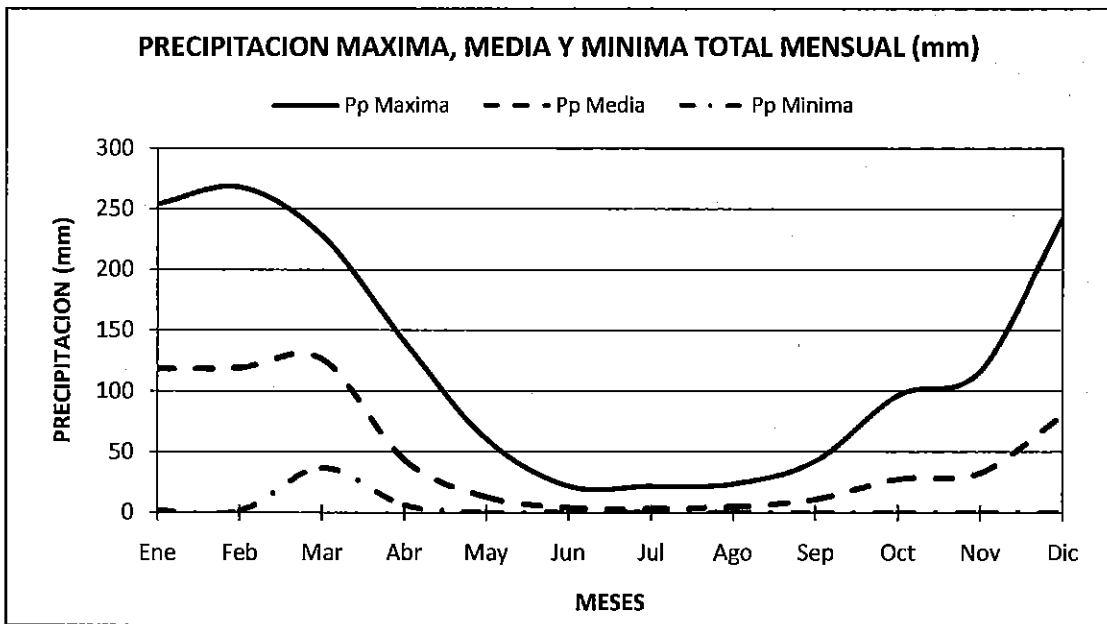
CUENCA CAÑETE	ESTACION CARANIA	DEPARTAMENTO LIMA	LONGITUD 75° 52'20.7	LATITUD 12° 20'40.8
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PRECIPITACION TOTAL MENSUAL (mm)

Año	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	Total
1963									0.0	14.7	87.3	74.4	
1964	50.4	168.8	169.7	36.7				0.0	27.1	25.6	23.4	52.0	553.7
1965	76.0	220.9	118.9	9.2	14.9	4.0	4.0	14.4	14.5	26.6	21.6	70.2	595.2
1966	101.8	81.9	101.6	47.9	9.9	0.0	1.4	0.0	25.7	96.7	42.1	87.3	596.4
1967	174.2	212.4	141.9	36.8	18.1	8.6	21.9	12.3	19.2	31.6	12.7	44.2	734.0
1968		51.3	81.8	8.7	17.0	12.2	9.5	21.0	13.3	42.4	28.0	47.6	
1969	58.0	29.8	101.2	40.6	0.0	6.0	1.6	16.0	19.9	46.8	84.6	242.6	647.3
1970	223.4	38.6	115.0	43.0	30.2	0.0	1.6	1.3	37.6	37.0	7.5	51.2	586.6
1971	139.5	137.3	134.3	18.0	2.1	2.4	0.0	1.4	0.0	13.0	8.0	103.8	560.0
1972	137.3	138.8	219.0	88.7	3.3	0.0	6.2	0.0	19.9	47.7	24.3	70.5	755.9
1973	254.0	130.9	194.3	75.8	43.0	0.0	0.0	12.9	2.6	37.3	15.3	148.7	915.0
1974	139.2	79.6	59.1	6.0	3.7	10.8	0.1	10.7	19.9	0.0	21.4	20.0	370.6
1975	75.9	70.1	181.1	55.0	37.6	19.9	17.8	23.8	42.9	24.5	62.7	101.8	713.2
1976	203.0	159.7	117.7	32.5	5.2	4.1	0.0	15.5	21.0	1.4	1.9	34.2	596.2
1977	69.8	90.3	101.7	31.6	12.6	2.4	3.8	0.0	15.1	0.0	71.7	21.0	420.1
1978	111.7	68.7	41.7	50.3	21.3	0.0	0.0			27.4	45.6	77.5	444.2
1979	17.8	121.7	98.2	7.8	6.0	11.0	0.0	1.4	7.3	0.4	0.4	10.8	282.8
1980	45.4	45.6	36.5	24.7	12.4	5.0	20.9	0.0	7.0	52.2	33.1	53.3	336.1
1981	101.6	163.4	117.2	56.9	2.6	4.4	6.0	12.6	4.0	27.1	40.4	44.2	580.4
1982	60.4	85.8	98.0	31.7	11.0	4.4	10.9	5.7	23.6	62.9	116.7	41.2	552.3
1983	48.2	2.4	132.2	29.8	33.7	11.2	4.3	13.7	12.4	11.1	24.5	55.6	379.1
1984	84.6	102.1	80.7	47.2	31.7	11.3		5.3	20.1	25.7	29.6	56.7	495.0
1985	44.9	42.8	79.1	38.6	39.1	19.9	15.9			0.0	0.0	0.0	280.3
1986	70.9	268.2	160.2	77.8	47.7	0.0	0.9	0.6	0.0	5.5	30.5	79.2	741.4
1987	250.2	75.0	47.8	21.4	0.0	0.0	0.0	14.3	0.0	0.0	15.1	29.2	453.0
1988	236.1	78.7	111.6	29.8	16.6	0.0	0.0	0.0	0.0	30.8	0.0	132.1	635.7
1989	139.4	156.9	215.5	30.5	7.1	0.6	0.0	3.5	6.9	41.4	12.9	0.0	614.7
1990	74.3	84.6	102.7	48.8	16.5	21.9	0.0	0.4	6.9	10.8	11.6	86.8	465.4
1991	79.4	73.6	131.5	27.8	0.0	0.0	0.0	0.0	0.0	41.1	3.3	13.3	370.0
1992	1.4	1.2	54.8	24.7	0.0	0.0	0.0	0.3	0.0	67.7	0.0	34.8	185.0
1993	136.9	134.7	113.3	41.8	1.1	0.0	0.0	6.0	5.2	16.3	76.7	141.5	673.5
1994	131.4	163.3	111.3	32.2	0.0	0.0	0.0	0.0	2.7	2.7	22.8	32.0	498.5
1995	87.0	49.1	65.3	29.5	0.0	0.0	0.0	0.0	0.0	10.2	0.0	37.9	279.0
1996	203.5	210.9	178.4	65.6	0.0	0.0	0.4	2.1	22.7	11.9	114.4	809.9	
1997	128.9	156.8	130.5	37.1	3.6	0.0	0.0	7.9	14.1	28.0	58.6	115.5	681.0
1998	176.2	126.3	155.5	50.4	0.0	0.0	0.0	0.0	6.6	9.5	13.1	45.0	582.6
1999	82.2	232.3	175.0	140.6	60.6	0.0	0.0	0.0	12.9	64.9	45.8	218.7	1033.0
2000	191.8	158.8	189.1	73.5	17.8	0.0	3.1	0.0	5.7	43.1	36.9	172.3	892.1
2001	198.8	120.7	228.2	29.7	7.9	0.0	0.0	0.0	12.6	19.3	45.4	41.9	704.5
2002	77.2	147.2	200.8	85.7	7.0	8.2	3.4	0.0	18.0	43.7	58.2	116.8	766.2
2003	115.8	146.0	150.5	35.7	0.0	0.0	0.0	0.0	0.0	26.1	12.5	129.5	616.1
2004	26.4	136.7	98.9	56.1	0.0	0.0	0.0	0.0	0.0	23.1	55.8	150.4	547.4
2005	75.7	57.1	141.2	60.1	0.0	0.0	0.0	0.0	30.6	10.1	8.8	158.2	541.8
2006	165.3	143.0	198.3	63.7	0.0	0.0	0.0	2.3	14.5	26.8	72.5	110.8	797.4
2007	94.7	100.9	169.3	53.9	17.6	2.6	0.0	0.0	2.2	13.8	28.1	80.9	564.1
2008	212.6	197.1	81.5	13.8	0.0	0.0	0.0	10.1	0.0	32.2	20.4	73.0	640.7
2009	119.9	220.1	83.8	47.1	11.8	0.0	7.2	5.2	1.3	54.8	82.3	116.2	749.7
2010	140.3	109.2	122.1										
Pp Maxima	254.0	268.2	228.2	140.6	60.6	21.9	21.9	23.8	42.9	96.7	116.7	242.6	1033.0
Pp Media	116.1	119.0	126.3	43.4	12.7	3.8	3.2	5.0	11.0	27.6	32.5	79.6	583.0
Pp Minima	1.4	1.2	36.5	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	185.0

CUENCA CAÑETE	ESTACION CARANIA	DEPARTAMENTO LIMA	LONGITUD 75° 52'20.7	LATITUD 12° 20'40.8
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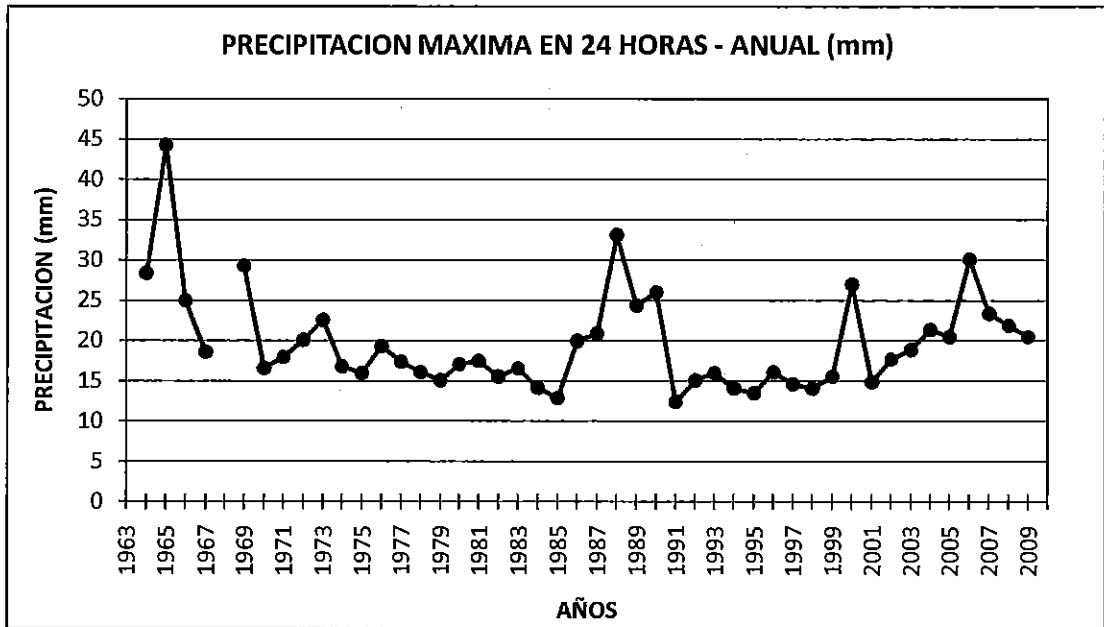


PRECIPITACION MAXIMA EN 24 HORAS (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CAÑETE	CARANIA	LIMA	75° 52'20.7	12° 20'40.8

Año	Mes												Máx.
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1963									0.0	6.0	17.9	15.4	
1964	13.5	28.4	21.2	18.5				0.0	8.3	12.4	7.5	11.2	28.4
1965	18.4	44.3	18.7	4.8	6.2	2.4	2.4	5.4	7.8	6.4	10.5	14.3	44.3
1966	14.8	25.0	21.6	9.5	6.2	0.0	1.4	0.0	15.4	15.5	10.6	10.8	25.0
1967	17.3	18.6	17.6	16.3	6.1	4.9	6.8	5.1	9.2	7.3	4.5	11.1	18.6
1968		9.8	14.1	2.6	6.9	4.6	4.8	7.1	10.9	9.2	6.8	8.8	
1969	17.8	11.3	15.1	10.4	0.0	4.2	1.6	6.8	6.8	14.6	12.8	29.3	29.3
1970	16.6	9.4	14.8	11.1	7.5	0.0	1.6	1.3	10.8	8.4	6.1	11.3	16.6
1971	18.0	16.2	17.1	4.1	2.1	2.4	0.0	1.4	0.0	6.1	4.6	10.2	18.0
1972	15.2	19.4	20.1	17.6	1.9	0.0	4.9	0.0	4.4	11.5	11.0	12.7	20.1
1973	22.6	16.8	17.5	8.8	10.0	0.0	0.0	11.3	1.4	8.2	9.7	14.3	22.6
1974	15.0	16.8	16.6	4.8	2.4	6.2	0.0	4.1	6.2	0.0	7.0	9.2	16.8
1975	13.3	15.0	16.0	12.1	10.2	8.2	6.2	7.2	8.4	8.6	10.5	14.4	16.0
1976	19.3	18.6	18.6	10.5	3.8	4.1	0.0	6.2	9.8	1.4	1.9	8.4	19.3
1977	16.1	12.4	17.4	8.8	6.8	2.4	2.2	0.0	3.0	0.0	12.1	8.7	17.4
1978	15.1	15.0	10.0	9.9	7.4	0.0	0.0			6.4	8.2	16.1	16.1
1979	7.9	15.1	13.6	6.2	4.4	6.2	0.0	1.4	4.6	0.4	0.4	6.6	15.1
1980	13.7	9.5	10.5	9.3	6.6	4.4	9.8	0.0	4.4	14.0	8.4	17.1	17.1
1981	17.5	13.6	15.1	14.2	2.6	4.4	6.0	6.6	2.6	7.2	7.6	8.7	17.5
1982	11.9	15.6	13.8	12.4	5.4	4.4	6.4	4.3	6.4	7.3	14.9	11.5	15.6
1983	10.3	2.4	16.6	9.6	9.0	4.9	1.9	6.4	6.6	4.8	8.8	11.2	16.6
1984	13.6	14.2	11.1	14.1	9.4	6.2		4.7	6.2	12.1	10.0	8.4	14.2
1985	8.6	11.9	12.9	12.6	10.6	8.4	8.7			0.0	0.0	0.0	12.9
1986	13.4	19.8	15.7	14.0	20.0	0.0	0.6	0.4	0.0	3.2	12.5	10.1	20.0
1987	20.9	18.3	15.5	13.5	0.0	0.0	0.0	7.5	0.0	0.0	6.8	10.6	20.9
1988	33.1	19.2	21.0	9.6	6.2	0.0	0.0	0.0	0.0	10.5	0.0	13.5	33.1
1989	10.6	24.4	21.8	9.0	5.1	0.3	0.0	2.6	3.9	7.5	6.0	0.0	24.4
1990	12.2	26.0	15.3	8.1	6.1	8.2	0.0	0.4	3.3	4.1	6.1	17.2	26.0
1991	12.2	11.7	11.7	11.2	0.0	0.0	0.0	0.0	0.0	12.4	3.1	6.0	12.4
1992	0.7	0.6	15.1	8.0	0.0	0.0	0.0	0.3	0.0	9.3	0.0	9.7	15.1
1993	12.5	16.0	13.1	9.3	0.6	0.0	0.0	4.0	4.1	6.0	10.6	12.6	16.0
1994	11.4	14.1	11.7	8.6	0.0	0.0	0.0	0.0	1.0	2.1	9.4	13.3	14.1
1995	13.5	7.2	8.8	9.5	0.0	0.0	0.0	0.0	0.0	5.3	0.0	9.5	13.5
1996	14.1	15.0	16.1	11.5	0.0	0.0	0.0	0.3	0.9	3.5	4.5	11.4	16.1
1997	9.2	14.6	12.7	7.8	2.3	0.0	0.0	3.1	4.0	4.2	9.3	10.1	14.6
1998	9.3	13.6	14.1	6.7	0.0	0.0	0.0	0.0	2.2	3.5	4.7	9.4	14.1
1999	8.2	15.6	11.8	12.2	11.5	0.0	0.0	0.0	7.4	9.0	10.9	14.0	15.6
2000	12.1	11.8	15.0	9.6	5.6	0.0	0.9	0.0	2.2	10.2	10.6	27.0	27.0
2001	12.5	13.7	14.9	10.5	4.7	0.0	0.0	0.0	5.0	5.3	8.2	7.0	14.9
2002	12.5	14.0	12.8	11.5	3.3	2.8	1.2	0.0	6.6	9.0	12.1	17.7	17.7
2003	13.0	15.3	16.5	6.1	0.0	0.0	0.0	0.0	0.0	7.0	8.2	18.9	18.9
2004	7.2	21.4	10.7	12.5	0.0	0.0	0.0	0.0	0.0	6.4	12.0	20.4	21.4
2005	12.1	9.9	20.5	18.8	0.0	0.0	0.0	0.0	11.1	5.3	5.6	11.9	20.5
2006	17.8	14.2	30.1	9.8	0.0	0.0	0.0	1.2	4.5	10.1	14.9	11.4	30.1
2007	10.9	19.9	23.4	15.1	7.4	2.6	0.0	0.0	2.2	4.2	7.2	10.4	23.4
2008	20.2	21.9	16.8	5.2	0.0	0.0	0.0	4.2	0.0	8.2	6.1	14.4	21.9
2009	16.6	20.5	9.3	7.5	5.3	0.0	4.1	3.1	1.3	9.7	9.6	12.1	20.5
2010	14.4	20.3	15.6										

CUENCA CAÑETE	ESTACION CARANIA	DEPARTAMENTO LIMA	LONGITUD 75° 52'20.7	LATITUD 12° 20'40.8
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PRECIPITACION TOTAL ANUAL (mm)

CUENCA CAÑETE	ESTACION CARANIA	DEPARTAMENTO LIMA	LONGITUD 75° 52'20.7	LATITUD 12° 20'40.8
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Año	Total
1963	
1964	553.7
1965	595.2
1966	596.4
1967	734.0
1968	
1969	647.3
1970	586.6
1971	560.0
1972	755.9
1973	915.0
1974	370.6
1975	713.2
1976	596.2
1977	420.1
1978	444.2
1979	282.8
1980	336.1
1981	580.4
1982	552.3
1983	379.1
1984	495.0
1985	280.3
1986	741.4
1987	453.0
1988	635.7
1989	614.7
1990	465.4
1991	370.0
1992	185.0
1993	673.5
1994	498.5
1995	279.0
1996	809.9
1997	681.0
1998	582.6
1999	1033.0
2000	892.1
2001	704.5
2002	766.2
2003	616.1
2004	547.4
2005	541.8
2006	797.4
2007	564.1
2008	640.7
2009	749.7
2010	

CAÑETE	CUENCA
COLONIA	ESTACION

PRECIPITACION DIARIA (mm)

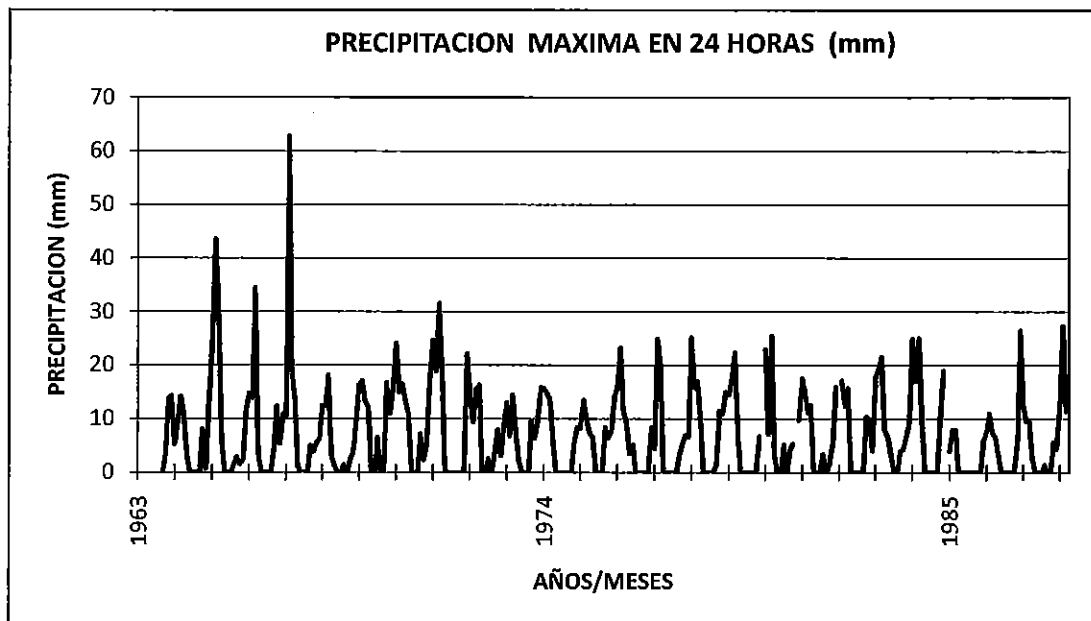
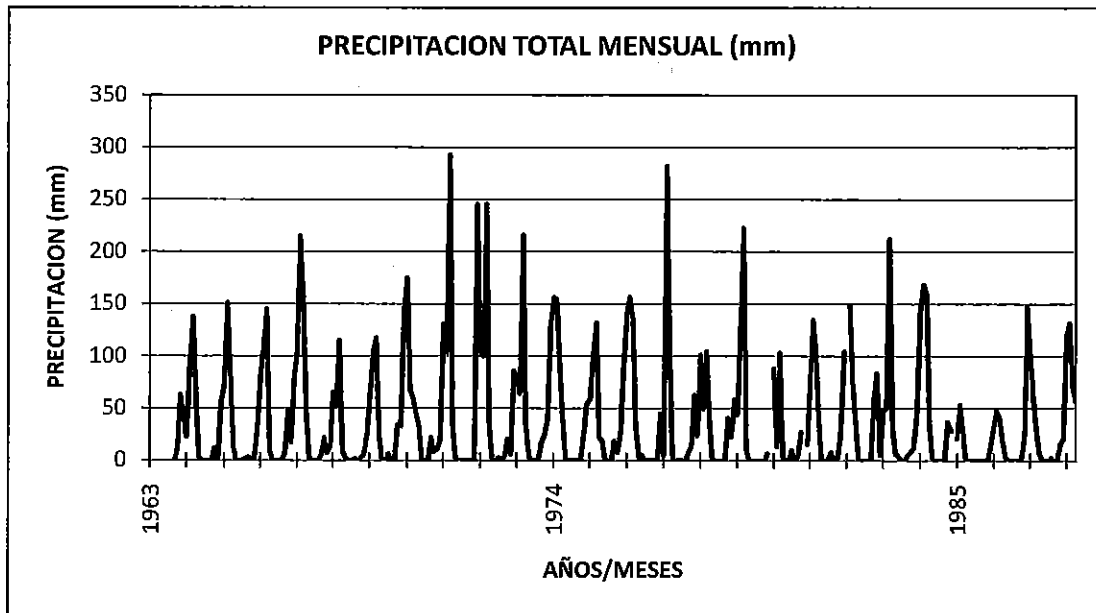
(Registro SENAMHI)

Table with 4 columns: CUENCA CANETE, ESTACION COLONIA, DEPARTAMENTO LIMA, LONGITUD 75° 53'1", LATITUD 12° 38'1"

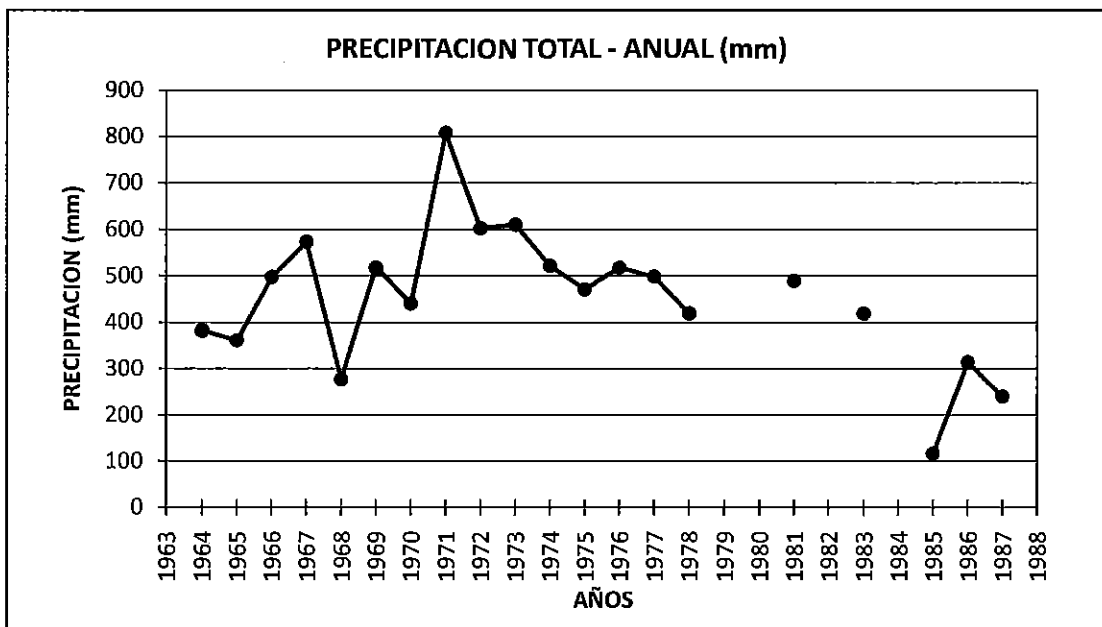
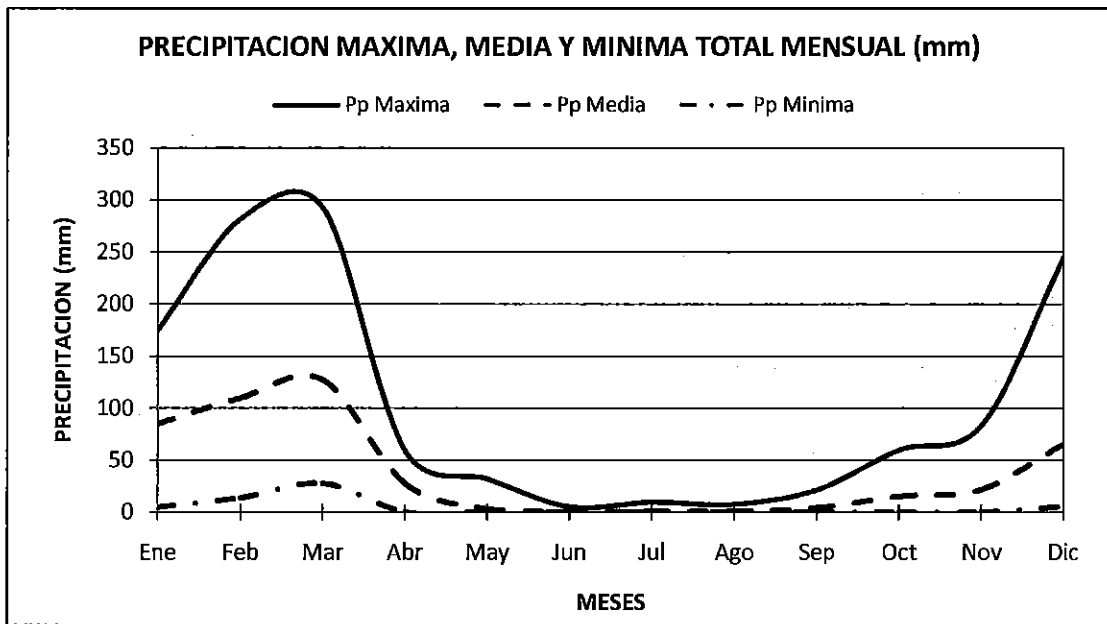
Main data table with columns: Año, Mes, Dias (1-31), Total, Máximo, Medio, Mínimo. Rows are organized by year (1963, 1964, 1965, 1966, 1967) and day of the month.

PROGRAMA DE PROTECCION DE VALLES Y POBLACIONES RURALES Y VULNERABLES ANTE INUNDACIONES

CUENCA CAÑETE	ESTACION COLONIA	DEPARTAMENTO LIMA	LONGITUD 75° 53'1	LATITUD 12° 38'1
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CUENCA CAÑETE	ESTACION COLONIA	DEPARTAMENTO LIMA	LONGITUD 75° 53'1	LATITUD 12° 38'1
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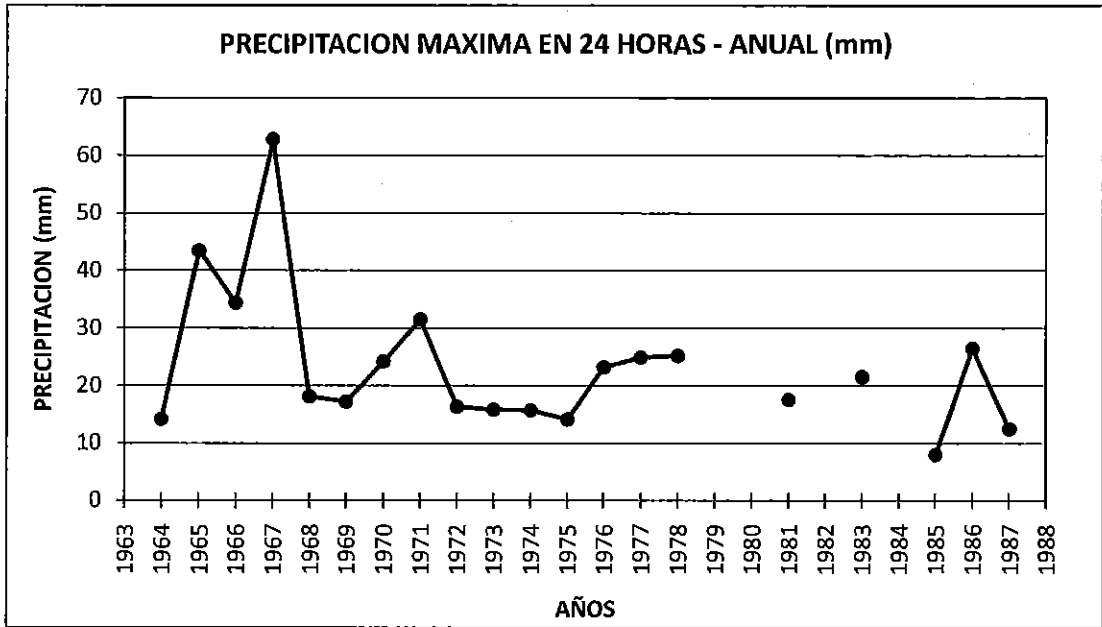


PRECIPITACION MAXIMA EN 24 HORAS (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CAÑETE	COLONIA	LIMA	75° 53'1	12° 38'1

Año	Mes												Máx.
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1963									0.0	3.4	13.9	14.3	
1964	5.3	9.7	14.2	10.9	3.1	0.0	0.0	0.0	0.1	8.0	0.7	12.7	14.2
1965	23.7	43.5	28.6	6.1	0.0	0.0	0.0	1.5	2.9	1.6	2.4	11.5	43.5
1966	14.8	14.0	34.4	3.5	0.1	0.0	0.0	0.0	3.9	12.4	5.4	10.9	34.4
1967	10.4	62.8	18.6	13.4	1.1	0.0	0.0	0.2	5.0	3.9	5.5	6.3	62.8
1968	12.5	12.4	18.1	3.1	1.3	0.0	0.1	1.4	0.0	2.5	3.8	9.7	18.1
1969	16.3	17.2	13.5	12.0	0.0	0.0	6.5	0.0	0.0	16.8	11.0	16.2	17.2
1970	24.2	15.1	16.5	13.2	11.0	0.0	0.0	0.0	7.2	2.4	5.2	17.6	24.2
1971	24.7	18.9	31.5	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2	31.5
1972	14.7	9.5	15.6	16.3	0.0	0.0	2.7	0.0	3.2	8.0	3.2	8.7	16.3
1973	13.1	6.9	14.5	7.5	2.1	0.0	0.0	0.0	9.6	6.4	9.6	15.8	15.8
1974	15.7	14.8	13.7	5.9	0.0	0.0	0.0	0.0	0.0	0.0	5.6	8.4	15.7
1975	8.3	13.4	9.7	7.3	6.5	0.0	0.0	0.0	8.4	6.5	7.7	14.1	14.1
1976	15.7	23.2	11.6	9.2	3.5	5.2	0.0	0.0	0.0	0.0	0.0	8.4	23.2
1977	4.5	24.9	20.4	0.0	0.0	0.0	0.0	0.0	3.2	5.5	7.0	6.7	24.9
1978	25.2	15.8	17.0	9.8	0.0	0.0	0.0	0.0	1.4	11.5	11.0	15.0	25.2
1979	14.5	17.5	22.4	7.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7		
1980	23.0	7.2	25.5	3.4	0.0	0.0	5.2	0.0	4.3	5.3		9.8	
1981	17.6	15.0	11.2	12.5	0.0	0.0	0.0	3.4	0.0	1.7	5.4	15.9	17.6
1982		17.2	12.5	15.7	0.0	0.0	0.0	0.0	0.0	10.4	10.0	4.1	
1983	17.8	19.2	21.5	8.1	6.4	3.1	0.0	0.0	4.0	4.3	6.5	9.2	21.5
1984	25.0	17.0	25.0	10.3	0.0	0.0	0.0	0.0	0.0	10.0	19.0		
1985	4.1	8.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	8.0
1986	7.5	11.0	7.4	6.5	3.0	0.0	0.0	0.0	0.0	0.0	5.9	26.5	26.5
1987	12.5	9.6	9.5	2.8	0.0	0.0	0.0	1.4	0.0	0.0	5.7	4.5	12.5
1988	12.8	27.3	11.5	16.5									

CUENCA CAÑETE	ESTACION COLONIA	DEPARTAMENTO LIMA	LONGITUD 75° 53'1	LATITUD 12° 38'1
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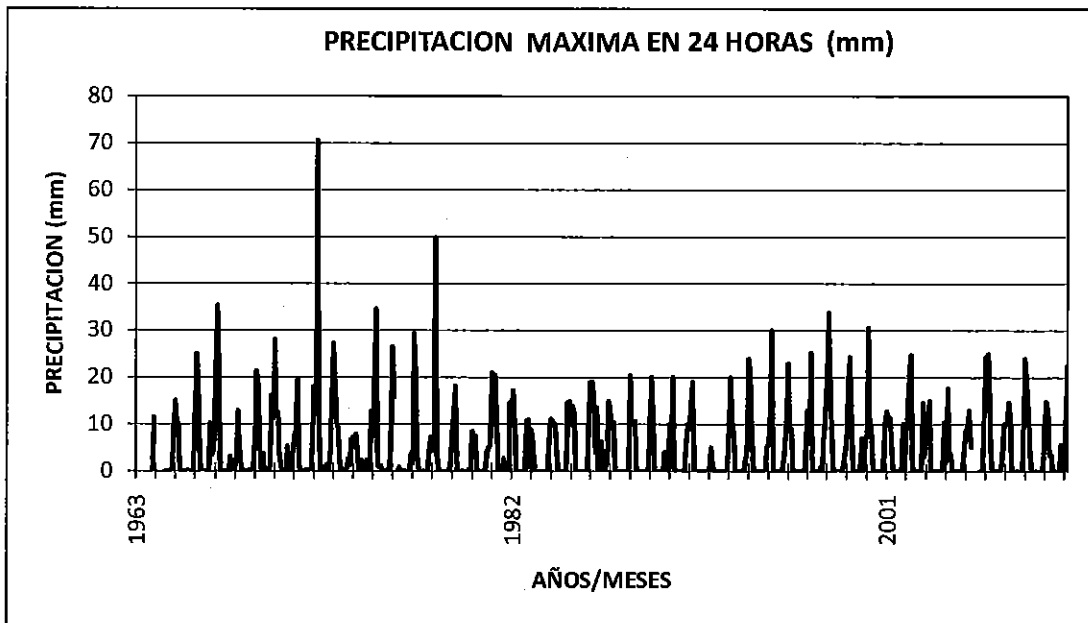
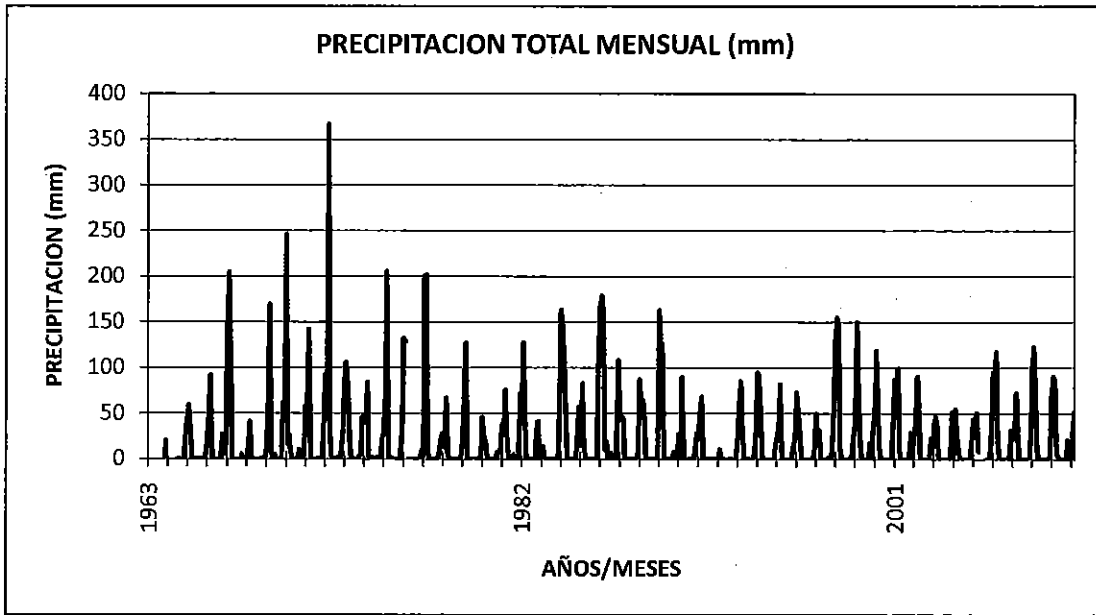
PRECIPITACION TOTAL ANUAL (mm)

CUENCA CAÑETE	ESTACION COLONIA	DEPARTAMENTO LIMA	LONGITUD 75° 53'1	LATITUD 12° 38'1
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Año	Total
1963	
1964	382.0
1965	361.4
1966	497.7
1967	574.2
1968	276.7
1969	517.9
1970	441.1
1971	808.2
1972	603.2
1973	610.4
1974	522.0
1975	470.8
1976	518.2
1977	498.8
1978	419.8
1979	
1980	
1981	489.6
1982	
1983	419.4
1984	
1985	117.2
1986	314.6
1987	240.4
1988	

CUENCA	CAÑETE
ESTACION	HUANGASCAR

CUENCA CAÑETE	ESTACION HUANGASCAR	DEPARTAMENTO LIMA	LONGITUD 75° 50'2.2	LATITUD 12° 53'55.8
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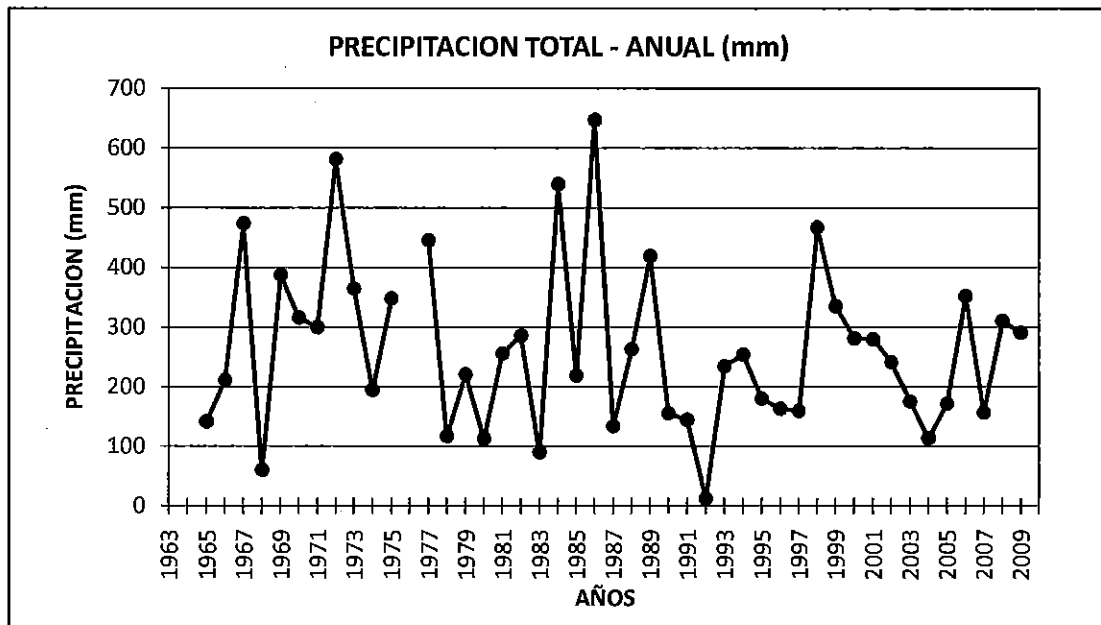
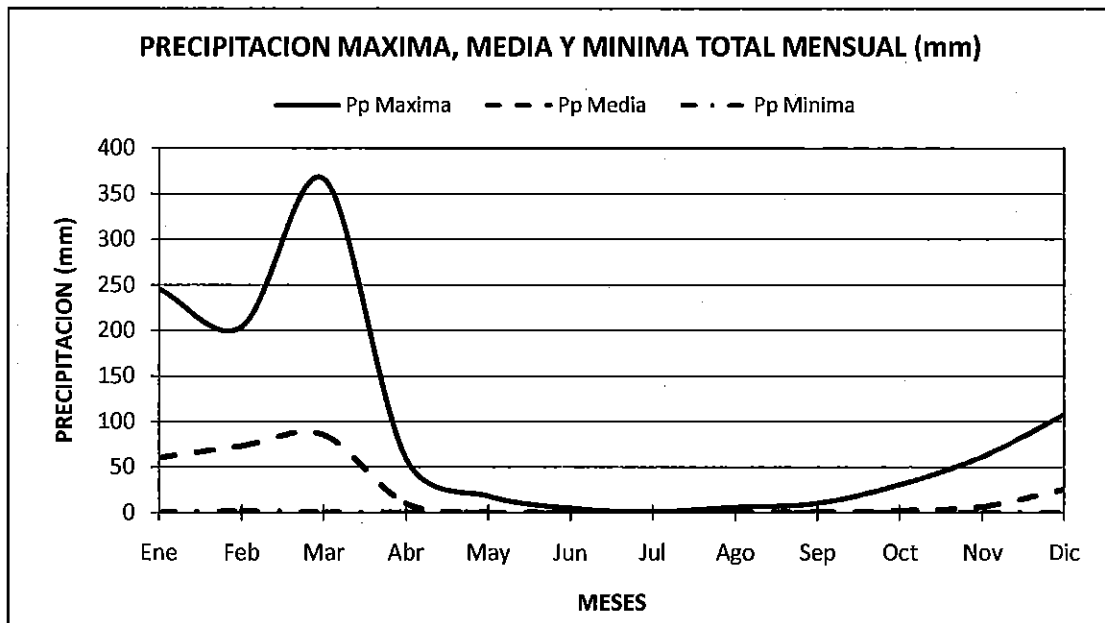


PRECIPITACION TOTAL MENSUAL (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CAÑETE	HUANGASCAR	LIMA	75° 50'2.2	12° 53'55.8

Año	Mes												Total
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1963									0.0			0.0	19.9
1964							0.0	0.0	0.0	0.0	0.0	0.0	27.9
1965	45.7	58.9	35.4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	1.4	141.7
1966	21.3	47.5	91.4	3.7	0.0	0.0	0.0	0.0	0.0	27.0	5.9	14.6	211.6
1967	144.8	204.4	117.2	0.0	0.0	0.0	0.0	0.0	0.3	4.9	0.0	2.2	474.0
1968	0.3	13.0	41.2	3.8	0.8	0.0	0.0	0.0	0.0	0.4	0.8	0.5	60.9
1969	11.2	78.7	169.5	7.5	0.0	4.8	0.0	0.0	0.0	0.9	61.8	53.8	388.2
1970	245.8	16.4	26.6	5.4	1.8	0.0	0.0	0.0	10.4	0.0	1.6	8.2	316.3
1971	57.4	58.0	141.7	3.2	0.0	0.0	0.0	0.2	0.0	0.5	0.0	39.1	300.3
1972	92.4	44.2	366.3	31.5	0.0	0.0	1.0	0.0	2.0	0.0	9.9	34.6	581.9
1973	85.0	106.0	82.7	34.7	1.7	0.0	0.4	0.0	0.5	3.2	4.7	45.9	364.8
1974	41.3	39.8	84.3	2.9	0.0	2.5	0.0	0.0	2.3	0.0	0.4	21.5	195.0
1975	29.6	80.5	205.2	2.0	0.9	1.2	0.0	0.0	0.0	0.2	0.1	28.2	348.0
1976	131.9	128.7		0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	8.9	
1977	3.0	201.0	201.9	7.5	0.0	0.0	0.0	0.0	0.0	0.0	10.1	22.5	446.0
1978	28.4	12.9	66.6	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	117.4
1979	21.2	72.1	126.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	221.0
1980	45.3	23.2	19.1	0.0	0.0	0.0	0.0	0.0	0.0	7.5	7.5	10.7	113.3
1981	37.2	40.6	75.5	25.9	0.0	0.0	0.0	4.8	0.0	0.0	0.0	72.0	256.0
1982	39.2	127.4	45.0	0.0	0.0	0.0	0.0	0.0	0.0	31.0	41.6	1.6	285.8
1983	13.2	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.2	90.4
1984	163.6	145.3	104.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	38.0	57.0	539.9
1985	15.2	82.4	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	105.7	218.9
1986	166.6	178.4	154.1	10.7	18.2	0.0	0.0	6.3	0.0	0.0	5.4	107.6	647.3
1987	43.0	46.2	44.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	133.9
1988	86.5	66.4	64.0	46.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	263.2
1989	162.7	123.2	126.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	419.4
1990	27.0	1.0	89.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	9.5	28.1	155.8
1991	22.1	55.1	67.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144.9
1992	0.0	10.0	1.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	1.5	12.5
1993	26.5	63.3	85.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	23.3	234.2
1994	94.5	91.1	52.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	254.4
1995	21.5	36.5	81.9	0.0	0.0	0.0	0.0	0.0	0.0	2.5	14.0	23.8	180.2
1996	73.0	50.5	29.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	163.0
1997	49.8	23.3	31.3	0.0	0.0	0.0	0.0	0.0	2.5	0.0	8.5	44.4	159.8
1998	129.3	154.7	144.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	3.0	23.8	467.3
1999	37.9	150.1	72.5	20.3	0.0	0.0	0.0	0.0	1.8	17.0	0.0	35.9	335.5
2000	50.6	118.7	60.9	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.8	281.5
2001	86.6	56.6	98.8	9.7	0.0	0.0	0.0	0.0	0.0	0.0	28.7	0.0	280.4
2002	24.6	36.7	90.1	59.1	0.0	0.0	0.0	0.0	0.0	0.0	22.8	8.2	241.5
2003	38.8	46.2	39.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.7	175.6
2004	3.9	54.5	27.9	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.4	114.2
2005	43.6	33.5	50.5	9.0					0.0	0.0	0.0	35.2	171.8
2006	95.4	84.0	117.4	21.7	0.0	0.0	0.0	0.0	0.0	0.0	2.4	31.4	352.3
2007	28.2	22.0	71.9	21.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	157.3
2008	101.3	122.5	74.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	311.2
2009	70.5	90.4	84.9	5.9	3.5	0.0	0.0	0.0	0.0	0.0	21.2	14.8	291.2
2010	0.0	37.7	51.2										
Pp Maxima	245.8	204.4	366.3	59.1	18.2	4.8	1.0	6.3	10.4	31.0	61.8	107.6	647.3
Pp Media	59.9	72.8	85.1	9.9	0.6	0.2	0.0	0.3	0.4	2.2	6.4	25.0	264.1
Pp Minima	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5

CUENCA CAÑETE	ESTACION HUANGASCAR	DEPARTAMENTO LIMA	LONGITUD 75° 50'2.2	LATITUD 12° 53'55.8
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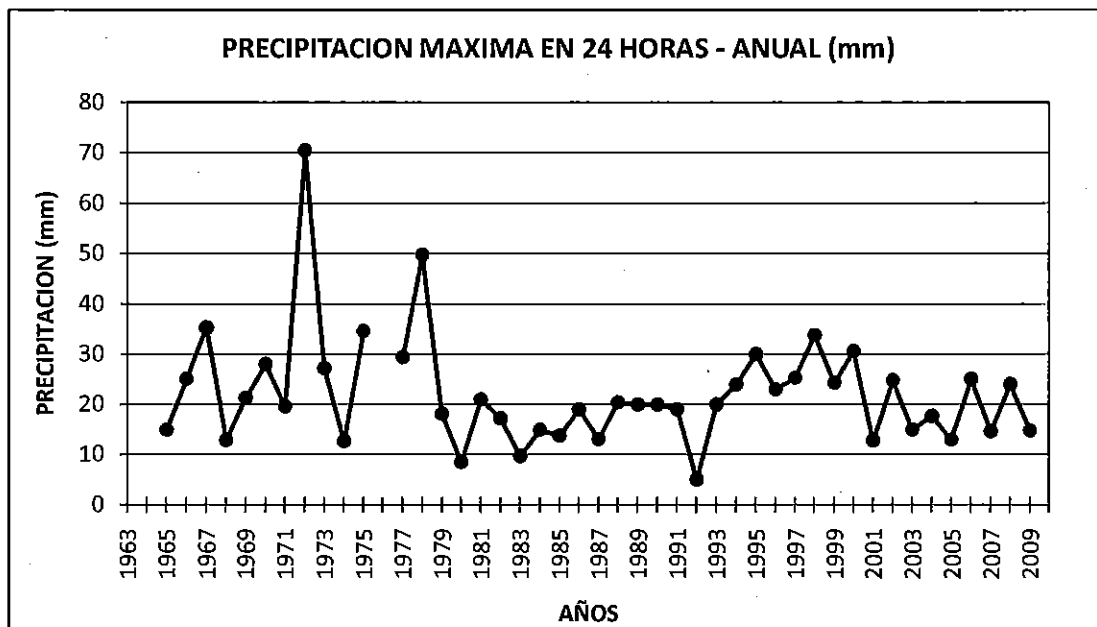


PRECIPITACION MAXIMA EN 24 HORAS (mm)

CUENCA	ESTACION	DEPARTAMENTO	LONGITUD	LATITUD
CAÑETE	HUANGASCAR	LIMA	75° 50'2.2	12° 53'55.8

Año	Mes												Máx.
	Ene	Feb	Mar	Abr	May	Jun	Jul	Ago	Sep	Oct	Nov	Dic	
1963									0.0		0.0	11.5	
1964							0.0	0.0	0.0	0.0	0.0	9.5	
1965	15.0	11.0	10.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.7	15.0
1966	11.4	25.1	18.0	2.0	0.0	0.0	0.0	0.0	0.0	10.2	3.5	5.2	25.1
1967	15.5	35.3	20.9	0.0	0.0	0.0	0.0	0.0	0.3	3.1	0.0	2.2	35.3
1968	0.3	6.1	12.9	3.8	0.8	0.0	0.0	0.0	0.0	0.2	0.3	0.3	12.9
1969	7.1	21.3	18.3	4.6	0.0	3.7	0.0	0.0	0.0	0.9	16.2	11.2	21.3
1970	28.0	11.8	12.4	3.1	1.0	0.0	0.0	0.0	5.4	0.0	0.9	3.9	28.0
1971	7.5	8.1	19.6	1.2	0.0	0.0	0.0	0.2	0.0	0.3	0.0	6.9	19.6
1972	18.2	12.3	70.5	12.2	0.0	0.0	1.0	0.0	1.5	0.0	4.8	17.5	70.5
1973	27.2	19.0	10.2	9.1	1.5	0.0	0.4	0.0	0.5	2.6	1.3	6.8	27.2
1974	7.3	5.2	7.9	2.3	0.0	2.5	0.0	0.0	2.3	0.0	0.4	12.7	12.7
1975	7.4	20.1	34.6	1.2	0.9	1.2	0.0	0.0	0.0	0.2	0.1	8.0	34.6
1976	26.5	15.8		0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.6	
1977	1.7	29.4	20.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	3.8	7.2	29.4
1978	5.3	4.4	49.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	49.8
1979	8.5	13.3	18.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	18.1
1980	8.5	4.9	7.5	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.1	5.7	8.5
1981	21.0	10.0	20.5	9.4	0.0	0.0	0.0	2.7	0.0	0.0	0.0	14.6	21.0
1982	12.3	17.2	9.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	11.0	1.0	17.2
1983	8.8	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	9.7
1984	11.1	10.7	10.1	7.8	0.0	0.0	0.0	0.0	0.0	0.0	14.7	14.9	14.9
1985	9.9	13.8	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	13.8
1986	19.0	19.0	16.4	4.1	13.6	0.0	0.0	6.3	0.0	0.0	3.0	14.9	19.0
1987	13.1	9.1	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.1
1988	20.4	10.2	10.2	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.4
1989	10.8	20.0	11.6	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	20.0
1990	10.0	1.0	20.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	6.0	10.0	20.0
1991	9.0	15.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0
1992	0.0	5.0	1.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	1.0	5.0
1993	8.0	20.0	10.8	8.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	4.0	20.0
1994	24.0	20.0	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	24.0
1995	6.0	10.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	5.0	10.0	30.0
1996	23.0	8.5	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	23.0
1997	13.0	6.0	25.3	0.0	0.0	0.0	0.0	0.0	1.0	0.0	7.0	12.3	25.3
1998	18.1	33.8	18.1	8.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	4.0	33.8
1999	7.0	20.0	24.3	8.0	0.0	0.0	0.0	0.0	1.3	7.0	0.0	7.0	24.3
2000	7.3	30.6	11.5	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	30.6
2001	12.8	9.9	11.5	5.2	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	12.8
2002	7.7	12.0	21.0	24.8	0.0	0.0	0.0	0.0	0.0	0.0	14.6	3.2	24.8
2003	12.4	12.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	15.0
2004	2.0	17.7	4.2	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	17.7
2005	8.6	9.4	13.0	5.3					0.0	0.0	0.0	10.5	13.0
2006	24.4	20.6	25.1	7.7	0.0	0.0	0.0	0.0	0.0	0.0	2.4	9.3	25.1
2007	10.2	10.3	14.6	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	14.6
2008	24.0	19.5	12.3	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	24.0
2009	10.2	14.8	12.8	3.6	3.5	0.0	0.0	0.0	0.0	0.0	5.6	4.1	14.8
2010	0.0	15.2	22.6										

CUENCA CAÑETE	ESTACION HUANGASCAR	DEPARTAMENTO LIMA	LONGITUD 75° 50'2.2	LATITUD 12° 53'55.8
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PRECIPITACION TOTAL ANUAL (mm)

CUENCA CAÑETE	ESTACION HUANGASCAR	DEPARTAMENTO LIMA	LONGITUD 75° 50'2.2	LATITUD 12° 53'55.8
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Año	Total
1963	
1964	
1965	141.7
1966	211.6
1967	474.0
1968	60.9
1969	388.2
1970	316.3
1971	300.3
1972	581.9
1973	364.8
1974	195.0
1975	348.0
1976	
1977	446.0
1978	117.4
1979	221.0
1980	113.3
1981	256.0
1982	285.8
1983	90.4
1984	539.9
1985	218.9
1986	647.3
1987	133.9
1988	263.2
1989	419.4
1990	155.8
1991	144.9
1992	12.5
1993	234.2
1994	254.4
1995	180.2
1996	163.0
1997	159.8
1998	467.3
1999	335.5
2000	281.5
2001	280.4
2002	241.5
2003	175.6
2004	114.2
2005	171.8
2006	352.3
2007	157.3
2008	311.2
2009	291.2
2010	