

VALORES MENSUALES DE PRECIPITACION MAXIMA EN 24 HORAS (mm)

ESTACION BOJACA
CODIGO 21200750

LATITUD 4.733 CUNDINAMARCA
LONGITUD -74.333 BOJACA
ALTURA (msnm) 2603 DEPARTAMENTO MUNICIPIO BOJACA
CORRIENTE

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1970	4.5	5	8	9.8	11.5	28.5	13.5	13.5	9.8	16.9	21	6.5	12.4
1971	8	14	16.2	14.6	21.5	8.5		7	14	17.5	4.5	10	12.3
1972	10	9.4	15.5	30.5	28	9.5	13.4	7.2	15	9.6	9.4	5	13.5
1973	1	0.8	22	9.7	8.2	10	20.2	12.5	19.5	12.3	24.2	13.2	12.8
1974	10	11	32	11.5	11	4	1	12	15	14	19	10	12.5
1975	3	6	11.7	8	13	13	12	8	10	21.5	14.5	18	11.6
1976	4	17.5	15	13	10	15	5	4	31	15	25	15	14.1
1977	20	16.8	24.2	20	6.8	9	8	6	16.3	38	32.5	3.5	16.8
1978	0	10	38	15.5	29.5	20	7	2	11	16	30	8	15.6
1979	9	2	13	17	15	20	31	24	13	41	17	29	19.3
1980	9	13	9	20	16	16	4	5	30.5	12	15	10	13.3
1981	2	15	12	39	17	24	8	8	8	20	25	8	15.5
1982	5	25	25	15.5	12	20	12	7	9	19	20	15	15.4
1983	4	3	21	23	34	7	12	10	12	12	19	10	13.9
1984	18	8	10.5	15	19.5	16	8	29	42	15	15	8	17.0
1985	4	12	38	33	25	15	4	13	5.5	12	20	5	15.5
1986	10	30	6	7	20	15	7	32	7	39	22	6	16.8
1991	7	7	25	16	19	12	6	16	13.5	17	20	2	13.4
1992	0	12	8	14	2.5	2	9	12.5	22	7	23	7	9.9
1993	12	20	17	17	16	4	18	13.5	22	22	18	5	15.4
1994	23	23	18	27	7.5	11	6	12	21	24	24	11	17.3
1995	7	20	8	24	20	12	15	12	5	23	13	8	13.9
1996	24	13	11	10	27	12	10	10	18	12	24	23	16.2
1997	13	2.7	7.5	22.4	13.2	10.5	10.4	4.2	4.1	21.7	8	2	10.0
1998	2	16	31	31.2	12.8	13.2	12.6	10.1	20	20.3	16	15	16.7
1999	20.3	16.3	10	37	10.5	12	16	12	17	24	16	25	18.0
2000	3	19	16	16	16	12	7	18	20	12	4	6	12.4
2001	7	12	2	15	15	12	4.5	8.5	10	33	8	18	12.1
2002	4.5	4	6	41	41	25	12	4	11	15	7	21	16.0
2003	2	4	11	17	7	2	15.5	11	22.5	32	28.5	10	13.5
2004	12.5	9.5	15	19	20.5	8	8	4	17.5	37.5	17	12	15.0
2005	24	12	15	21	20	12	4.5					0	13.6

2006	10	4	10	21	45	30	5	10	7.5	17	7	4	14.2
2007	7	1.5	22	29	19	22	5.5	6.5	9	16	33.5	17	15.7
2008	27	12	16	12	17	18	11	17	10	14	29		16.6
2009	10	44.5	20.3	18	32	16	15	4	5	20.5	39	8	19.4
2010	3.5	5.7	12	33	26	16.5	14	12	40	10	18	14	17.1
2011	4	25	31	22	27	20	6	5	10	14.5	21.5	7	16.1
2012	4	16	10	24.2	6	12	5	4	12	7	6		9.7
2013		4	13	18	16	13.5	8	8	13	16	34.5	5	13.5
2014	3	7	6.5	17	33.5	12	3	5	15	27.5	16.2	20	13.8
2015	8.3	30	22	10	8.2	9	7	3					12.2
MEDIOS	8.77	12.83	16.20	19.85	18.47	13.79	9.76	10.30	15.34	19.35	19.11	10.77	14.52
MAXIMOS	27.00	44.50	38.00	41.00	45.00	30.00	31.00	32.00	42.00	41.00	39.00	29.00	19.36
MÍNIMOS	0.00	0.80	2.00	7.00	2.50	2.00	1.00	2.00	4.10	7.00	4.00	0.00	9.65

VALORES MENSUALES DE PRECIPITACION MAXIMA EN 24 HORAS (mm)

ESTACION TISQUESUSA
 CODIGO 21206310

LATITUD	4.8167	TIPO	CON	ESTADO	CP	DEPARTAMENTO	CUNDINAMARCA
LONGITUD	-74.3167	CLASE	CON	ENTIDAD	CAR	MUNICIPIO	FACATATIVA
ALTURA (msnm)	2570	CATEGORIA	MET			CORRIENTE	BOJACÁ

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1981	12.0	6.5	12.0	24.1	18.0	11.8	14.4	14.0	7.4	19.0	16.6	20.8	14.7
1982	15.5	20.5	28.2	23.0	27.0	17.3	18.1	2.6	26.3	12.0	10.8	15.4	18.1
1986	3.0	53.0	29.4	32.9	21.5	16.0	3.4	8.0	28.0	24.6	21.0	5.3	20.5
1991	5.7	8.2	27.2	15.5	18.4	5.7	21.0	6.1	14.2	6.5	7.7	11.0	12.3
1992	7.6	13.1	5.2	10.0	26.0	12.0	7.8	6.5	33.4	8.5	13.4	16.5	13.3
1993	20.0	8.5	24.0	21.5	23.5	12.5	5.0	7.5	16.8	14.5	40.7	12.5	17.3
1994	11.5	16.5	25.0	13.5	38.5	13.7	5.7	4.5	24.3	30.0	19.9	2.5	17.1
1995	2.5	26.2	18.5	16.8	12.0	7.8	13.5	13.8	21.0	9.5	16.2	42.7	16.7
1996	8.0	16.0	17.0	8.0	17.0	12.0	6.0	15.8	18.0	18.2	10.8	19.8	13.9
1997	11.2	5.5	19.3	14.7	4.0	6.1	8.3	1.7	4.5	19.3	11.5	0.3	8.9
1998	7.0	12.7	12.7	23.6	20.5	8.6	15.4	10.2	10.2	28.8	16.3	12.1	14.8
1999	12.6	45.0	15.3	17.5	17.6	34.0	15.5	8.2	24.5	19.2	18.8	21.8	21.1
2000	4.0	23.2	16.8	26.2	17.6	18.2	7.2	3.2	11.4	20.8	17.2	8.8	17.0
2001	2.8	1.6	29.0	2.6	10.8	0.0	5.8	4.6	1.8	11.4	8.6	34.4	10.3
2002	0.6	6.4	27.4	37.6	17.2	17.4	5.8	4.6	1.8	29.4			
2003	0.2	0.0	0.0	0.0	0.0								

MEDIOS	7.8	16.4	19.2	18.0	18.1	12.9	10.5	7.6	17.3	18.1	16.4	16.0	15.4
MAXIMOS	20.0	53.0	29.4	37.6	38.5	34.0	21.0	15.8	33.4	30.0	40.7	42.7	21.1
MÍNIMOS	0.2	0.0	0.0	0.0	0.0	0.0	3.4	1.7	1.8	6.5	7.7	0.3	8.9

VALORES MENSUALES DE PRECIPITACION MAXIMA EN 24 HORAS (mm)

ESTACION MANJU
 CODIGO 21201740

LATITUD 4.8000 ESTADO ACT DEPARTAMENTO CUNDINAMARCA
 LONGITUD -74.3833 ENTIDAD CAR MUNICIPIO FACATATIVA
 ALTURA (msnm) 3260 CATEGORIA PM CORRIENTE BALSILLAS

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1982	5.0	13.0	16.5	16.0	12.0	4.5	8.0	2.5	39.0	45.5	51.5	21.5	19.6
1986	8.0	15.0	22.0	22.0	16.0	10.0	11.0	10.0	10.0	10.0	24.0	4.0	13.5
1991	5.0	3.0	26.0	21.0	20.0	4.0	19.0	20.0	20.0	38.0	24.0	10.0	17.5
1992	26.0	0.0	42.0	27.0	3.0	26.0	10.0	13.0	18.0	28.0	25.0	9.0	18.9
1993	12.0	15.1	8.6	15.0	20.0	8.0	15.5	12.4	20.4	30.8	35.0	25.0	18.2
1994	20.0	27.0	15.0	1.7	1.9	1.5	15.0	10.0	10.0	27.0	20.0	5.0	12.8
1995	5.0	42.0	54.0	20.0	9.2	9.2	22.1	20.3	0.0	15.3	0.8	20.3	18.2
1996	0.0	10.5	18.5	0.9	17.1	20.4	18.4	9.2	0.4	15.5	9.2	11.5	11.0
1997	15.6	9.3	15.3	15.5	10.1	10.3	9.3	8.4	20.8	18.9	19.5	0.0	12.8
1998	5.2	21.4	19.5	9.5	19.5	10.3	19.5	24.5	12.1	16.5	29.5	9.5	16.4
1999	7.0	12.0	28.0	28.0	15.5	13.0	6.5	10.0	15.0	44.0	27.0	36.0	20.2
2000	11.0	16.0	33.0	18.0	20.0	12.5	16.5	20.0	32.0	30.0	18.0	20.0	20.6
2001	0.0	0.0	15.0	7.5	95.0	12.0	12.0	16.0	18.0	16.0	25.0	30.0	20.5
2002	8.5	21.0	33.0	50.0	27.0	22.0	15.0	6.0	12.0	30.0	10.5	18.0	21.1
2003	2.5	19.0	16.0	27.0	6.5	4.0	10.5	9.6	21.4	26.4	28.5	16.1	15.6
2004	10.1	38.1	13.6	22.6	26.5	10.4	11.2	7.0	53.5	41.2	25.5	5.0	22.1
2005	35.5	11.2	40.0	20.3	27.7	4.2	12.4	18.0	28.0	60.0	12.9	4.2	22.9
2006	12.0	15.0	19.3	74.0	98.7	25.3	15.0	12.0	16.5	25.0	16.6	15.0	28.7
2007	8.6	2.3	25.0	20.0	20.0	18.0	16.0	35.0	11.5	45.0	27.5	48.9	23.2
2008	18.9	26.5	12.6	18.3	18.6	11.2	28.5	18.5	14.7	23.7	38.0	15.7	20.4
2009	12.7	24.7	27.4	24.5	22.4	32.7	32.7	30.7	24.0	24.0	20.7	3.1	23.3
2010	0.0	5.5	0.0	38.0	30.0	12.5	22.0	8.5	19.5	33.5	26.5	20.5	18.0
2011	0.0	28.5	25.5	45.5	28.5	10.5	15.7	11.9	10.2	6.8	7.5	37.5	19.0
2012	17.1	11.0	33.9	26.3	22.2	5.1	11.0	15.5	11.8	25.2	29.2	7.4	18.0
2013	13.4	12.8	19.5	19.6	26.4	9.5	13.5	13.5	3.1	16.5	22.5	5.2	14.6
2014	1.4	7.5	4.8	7.4	9.7	10.3	10.3	5.3	18.0	12.7	12.7	10.5	9.2
2015	7.5	7.8	7.6	12.5	10.5	6.7	7.5	8.7	17.7	27.1	22.6	15.7	8.6
MEDIOS	9.9	15.4	21.9	22.5	23.5	12.0	15.0	13.9	17.7	27.1	22.6	15.7	18.0
MAXIMOS	35.5	42.0	54.0	74.0	98.7	32.7	32.7	35.0	53.5	60.0	51.5	48.9	28.7
MÍNIMOS	0.0	0.0	0.0	0.9	1.9	1.5	6.5	2.5	0.0	6.8	0.8	0.0	8.6

VALORES MENSUALES DE PRECIPITACION MAXIMA EN 24 HORAS (mm)

ESTACION TACHI
 CODIGO 21205960

LATITUD 4.939056 DEPARTAMENTO CUNDINAMARCA
 LONGITUD -74.152583 MUNICIPIO SUBACHOQUE
 ALTURA (msnm) 2650 CORRIENTE SUBACHOQUE

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1997	9.3	16.1	16.6	15.7	12.3	11.3	7.6	15.3	21.0	17.9	1.0	13.1	
1998	12.6		20.0	45.5	8.5	19.0	13.3	23.0	39.9	14.6	17.4	21.4	
1999		20.0	22.3	15.6	16.3	16.2	25.7	21.5	31.3	14.4	15.0	21.2	
2000	18.0	14.0	13.5	17.1	15.2	20.0	18.0	25.5	25.0	10.1	9.4	16.6	
2001	16.5	6.0	10.1	24.5	12.4	5.0	18.0	23.5	10.3	21.2	12.3	13.5	
2002	3.6	7.0	18.4	12.4	10.0	7.0	7.6	16.0	28.5	15.5	19.0	14.3	
2003	2.5	13.5	8.0	21.5	14.0	16.7	3.3	18.0	28.0	27.3	50.3	19.8	
2004	3.0	11.0	14.5	19.5	8.5	7.0	4.5	48.6	32.0	39.3	18.5	18.5	
2005				29.0		14.2	19.5	17.0	36.6	29.0	22.2	22.2	
2006	22.3	12.0	13.5	27.0	44.0	11.2	13.6	11.6		17.7	28.0	20.2	
2007	14.0	5.3	14.8	16.8	13.5	16.0	25.2	16.6	24.0	29.0	19.5	20.9	
2008	12.7	12.5	21.1	43.4	14.6	9.7	19.7	12.7	28.6	24.0	8.8	19.1	
2009	17.2	10.1		19.7	26.1	6.5	4.6	15.5	27.5	6.5	2.4	13.4	
2010	4.0	16.6	15.0	31.2	14.3	20.7	30.7	11.0	24.1	27.7	17.2	21.6	
2011	11.0	12.5	26.7	18.0	11.0	11.1	15.6		27.8	37.6	26.2	20.8	
2012	14.0	11.0	28.0	15.7	9.0	23.0	12.3	13.4	26.6	34.4	11.9	19.2	
2013	4.3	21.0	18.0	18.3	11.8	9.3	28.1	20.9	14.8	16.1	28.6	19.0	
2014	10.6	20.4	10.0		7.5		24.8	24.8				15.5	
2015		50.8	70.5	5.0	8.0							36.3	
MEDIOS	11.0	15.2	20.8	21.8	14.3	13.2	16.2	19.7	26.6	22.5	17.3	19.3	
MAXIMOS	22.3	50.8	70.5	45.5	44.0	23.0	30.7	48.6	39.9	39.3	50.3	36.3	
MINIMOS	2.5	5.3	8.0	5.0	7.5	5.0	3.3	11.0	10.3	6.5	1.0	13.1	

VALORES MENSUALES DE PRECIPITACION MAXIMA EN 24 HORAS (mm)

ESTACION VILLA INES
 CODIGO 21205940

LATITUD 4.834972 ESTADO ACT CUNDINAMARCA
 LONGITUD -74.383972 ENTIDAD IDEAM FACATATIVA
 ALTURA (msnm) 2590 CATEGORIA CO CORRIENTE CHECUA

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1994	3.0	21.5	32.0	20.0	17.1	18.0	10.0	8.0	15.0	34.0	25.0	8.6	16.3
1995	25.0	16.0	27.0	10.0	16.5	32.0	34.5	44.5	22.5	9.0	21.5	12.5	21.3
1996	21.5	9.0	12.0	28.0	15.5	9.6	13.0	1.0	16.0	19.0	18.5	25.1	20.6
1997	7.0	33.5	18.0	19.0	14.0	7.0	10.0	8.0	23.0	33.0	18.8	16.0	16.1
1998	12.0	23.0	22.5	22.0	8.1	10.0	8.3	8.0	14.5	23.2	32.2	6.2	16.8
1999	20.7	15.4	39.6	11.0	12.6	13.5	1.8	15.5	18.5	23.2	48.2	33.4	19.4
2000	14.4	7.5	15.0	44.0	19.6	17.3	7.3	7.6	9.4	16.2	17.6	34.0	18.2
2001	4.0	3.1	24.0	15.5	28.5	13.2	45.0	9.0	8.5	27.0	16.0	29.0	14.5
2002	1.5	40.6	27.8	21.0	7.2	11.0	8.0	19.0	13.8	16.8	24.5	25.0	19.9
2003	18.5	20.0	15.0	8.0	31.8	4.6	14.0	17.2	22.6	40.5	13.5	13.8	17.6
2004	53.4	17.4	15.9	8.0	44.0	15.2	11.3	10.0	6.2	22.7	19.6	5.3	20.4
2005	9.2	9.0	32.0	97.4	12.6	15.4	14.6	15.5	7.6	30.3	25.7	10.5	23.9
2006	4.4	6.8	31.2	17.0	20.0	7.2	13.2	20.2	7.0	25.0	28.8	42.0	18.6
2007	21.7	17.6	17.7	35.0	16.4	15.4	27.4	7.0	23.0	17.9	28.1	16.7	19.2
2008	15.0	39.0	7.0	19.0	29.7	11.0	5.4	19.8	5.0	21.7	25.8	27.0	27.0
2009	27.0	9.8	27.6	35.0	21.0	11.0	5.4	19.8	5.0	21.7	25.8	23.6	25.8
2010	26.8	16.2	34.0	22.0	21.0	11.0	5.4	19.8	5.0	21.7	25.8	15.4	18.7
2011	13.5	17.1	34.0	22.0	21.0	11.0	5.4	19.8	5.0	21.7	25.8	15.4	15.3
2012													
2013													
2014													
MEDIOS	16.6	17.6	23.4	26.5	19.7	13.4	15.8	14.4	13.9	24.0	23.6	19.8	19.3
MAXIMOS	53.4	40.6	39.6	97.4	44.0	32.0	45.0	44.5	23.0	40.5	48.2	42.0	27.0
MINIMOS	1.5	3.1	7.0	8.0	7.2	4.6	1.8	1.0	5.0	9.0	13.5	5.3	14.5

VALORES MENSUALES DE PRECIPITACION MAXIMA EN 24 HORAS (mm)

ESTACION CORAZON EL
CODIGO 21201070

LATITUD 4.866667 DEPARTAMENTO CUNDINAMARCA
LONGITUD -74.266667 MUNICIPIO FACATATIVA
ALTURA (msnm) 2580 CORRIENTE BALSILLAS

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1974													
1975	6.0	29.0	22.0	11.0	20.0	17.0	15.0	19.0	20.0	20.0	18.0	31.0	21.6
1976	15.0	29.0	24.0	31.0	45.0	16.0	9.0	12.0	14.0	13.0	25.0	17.0	16.8
1977	3.0	10.0	53.0	16.0	23.0	15.0	10.0	5.0	17.0	24.0	21.0	9.0	20.4
1978	10.0	24.0	74.0	21.0	10.0	10.0	20.0	17.0	27.0	26.0	25.0	11.0	19.7
1979	13.0	7.0	23.0	30.0	10.0	15.0	25.0	22.0	11.0	55.0	15.0	14.0	23.8
1980	20.0	32.0	30.0	20.0	15.0	20.0	10.0	20.0	37.0	45.0	33.0	15.0	22.8
1981	9.6	99.5	16.5	27.1	20.3	39.5	11.2	10.0	30.0	12.0	16.3	10.0	18.8
1982	15.0	25.0	22.6	12.6	30.0	0.0	17.0	29.0	18.5	28.9	6.2	19.5	27.2
1983	22.0	15.8	17.5	42.0	10.2	7.1	6.2	9.0	15.3	14.2	44.0	30.0	19.6
1984	18.3	5.4	8.4	18.0	16.5	14.0	16.6	9.5	8.4	16.5	5.8	20.0	15.1
1985	19.0	40.0	11.0	16.5	18.2	18.5	18.5	22.0	20.0	12.2	16.6	11.0	14.9
1986	16.4	18.5	13.2	22.5	7.2	6.4	4.7	30.2	30.2	30.0	35.0	7.2	22.9
1987	10.0	6.5	12.5	30.3	26.0	4.4	27.3	20.0	20.0	40.0	100.0	6.4	22.9
1988	16.5	16.5	70.8	30.8	50.4	6.4	20.0	4.6	12.4	31.0	64.3	0.0	19.1
1989	8.9	5.4	26.1	10.0	9.4	16.5	14.6	26.5	0.0	4.6	21.8	10.0	22.9
1990	10.0	30.0	12.4	10.4	5.1	6.3	8.5	26.0	6.4	23.5	7.2	10.5	13.7
1991	32.1	80.6	27.4	10.4	5.1	10.0	20.8	8.2	14.0	20.0	6.2	36.5	14.0
1992	6.4	10.0	27.5	27.5	27.5	32.5	30.2	8.4	26.0	10.0	31.2	10.0	25.7
1993	10.0	24.0	15.0	13.0	18.5	11.5	10.0	30.0	17.0	26.0	8.5	8.0	20.3
1994	16.0	15.8	16.5	30.0	40.0	9.5	14.8	16.0	21.5	6.5	18.3	15.0	14.9
1995	5.2	26.0	47.5	16.4	29.0	23.2	40.3	6.2	10.6	35.0	18.5	9.1	18.5
1996	20.0	23.2	36.0	29.0	26.2	28.3	10.6	21.0	9.2	13.8	34.0	18.5	23.7
1997	14.0	10.6	21.0	26.5	29.2	24.2	6.1	23.2	6.4	22.6	23.1	28.1	23.1
1998	9.1	13.0	19.0	19.8	34.7	16.2	11.0	6.4	8.8	15.2	11.0	5.6	14.9
1999	16.8	28.5	26.0	31.0	20.0	22.0	5.4	11.2	15.5	22.2	19.5	15.3	17.2
2000	14.5	39.2	33.5	29.2	6.3	20.2	14.1	24.3	22.3	24.0	62.4	33.4	26.3
2001	22.4	9.8	21.4	11.0	16.0	15.9	9.4	12.2	20.5	32.8	13.3	13.0	20.7
2002	8.0	8.0	26.2	46.3	20.0	34.7	12.8	7.9	26.4	18.0	17.6	49.2	18.8
2003	4.2	19.6	41.0	14.4	13.3	23.8	4.7	5.4	15.5	13.4	23.0	7.4	18.4
2004	25.7	25.6	98.1	30.0	18.3	6.2	26.1	23.6	15.2	33.3	19.6	14.5	18.9
2005	31.0	18.3	2.4	22.1	28.0	14.2	8.2	5.8	31.4	25.2	23.4	21.2	28.1
								25.7	13.7	19.5	19.0	12.0	17.8

2006	20.0	17.5	36.5	59.7	25.8	24.1	18.0	8.0	7.4	24.2	28.5	32.5	25.2
2007	11.3	3.0	24.5	25.2	19.0	17.5	10.3	15.1	8.8	24.2	52.0	32.3	20.3
2008	18.5	16.5	41.4	34.6				16.2	18.1	34.7	25.3	38.0	27.0
2009	12.0	21.3	31.0	23.4	31.0	26.8	9.2	8.0	12.5	18.2	38.2	4.2	19.7
2010	6.0	13.2	16.1	30.3	32.7	21.7	22.7	23.0	38.5	21.7	38.2	24.4	24.0
2011	10.0	8.7	30.0	30.0	28.2	31.7	18.5	23.4	9.0	46.2	23.9	17.0	23.1
2012	15.2	25.0	23.2	18.1	18.0	13.0	10.5	5.1	16.3	13.6	13.2	17.4	15.7
2013	33.3	56.6	63.2	19.0	31.0	11.8	11.8	26.0	8.0	12.9	28.2	63.8	30.5
2014	44.8	14.4	44.6	31.8	25.9	12.0	16.4	6.2	14.6	36.0	27.4	10.6	23.7
2015	10.1												10.1

MEDIOS	15.3	23.1	30.2	24.8	22.5	17.0	14.8	15.8	16.9	23.5	26.3	18.5	20.5
MAXIMOS	44.8	99.5	98.1	59.7	50.4	39.5	40.3	30.2	38.5	55.0	100.0	63.8	30.5
MÍNIMOS	3.0	3.0	2.4	10.0	5.1	0.0	4.7	4.6	0.0	4.6	5.8	0.0	10.1

VALORES MENSUALES DE PRECIPITACION MAXIMA EN 24 HORAS (mm)

ESTACION TIBAR EL
 CODIGO 21201270

LATITUD 4.816667 DEPARTAMENTO CUNDINAMARCA
 LONGITUD -74.233333 MUNICIPIO MADRID
 ALTURA (msnm) 2550 CORRIENTE SUBACHOQUE

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1981	17.4	6.0	20.1	38.1	37.7	13.1	13.2	27.0	11.7	24.2	9.6	18.4	19.7
1982	7.7	26.4	27.0	23.4	24.5	8.7	10.2	3.0	33.8	30.3	14.1	29.1	19.9
1983	11.0	5.0	33.2	45.6	15.4	24.0	8.7	10.4	6.8	20.1	14.0	16.2	17.5
1984	21.0	31.7	14.2	26.1	17.6	16.6	19.9	16.7	24.7	57.3	17.2	22.7	23.9
1985	8.6	3.7	31.2	9.8	21.0	23.6	2.0	17.5	31.7	17.0	17.0	22.7	16.8
1986	13.0	23.7	10.0	33.0	21.0	12.0	7.0	18.0	13.2	38.0	24.2	15.0	19.4
1987	9.0	7.5	13.5	15.0	23.0	23.8	20.8	9.8	13.0	22.0	15.0	1.5	12.3
1988	13.5	11.6	34.0	29.0	26.0	15.2	10.5	11.2	17.3	25.5	36.8	24.8	19.8
1989	8.0	13.5	14.5	25.5	26.5	8.1	6.1	9.4	18.5	11.6	14.1	10.6	16.7
1990	22.3	22.0	23.2	41.0	19.6	13.8	20.7	7.1	18.6	38.6	47.6	27.6	22.0
1991	2.0	4.3	4.1	15.8	10.2	8.2	18.0	8.5	18.1	13.2	19.8	7.2	16.0
1992	10.0	15.8	17.6	16.8	32.6	8.6	4.1	12.3	20.8	3.1	14.9	27.2	13.4
1993	14.8	17.0	41.2	30.2	28.2	12.8	4.6	6.6	17.0	16.2	33.4	28.6	17.8
1994	8.3	36.8	28.2	28.2	10.6	18.2	11.3	7.1	4.0	18.7	37.5	1.4	19.2
1995	2.1	15.1	37.8	13.4	20.8	51.3	11.3	27.3	8.6	12.1	12.8	31.4	17.2
1996	24.8	11.3	40.6	10.8	20.4	10.6	10.1	10.2	11.6	26.3	10.6	18.6	20.7
1997	9.3	5.3	22.6	50.7	32.7	12.3	17.0	3.8	5.8	20.8	22.3	0.0	13.3
1998	13.6	21.2	23.7	25.6	23.6	25.6	12.6	9.7	33.1	47.2	23.2	25.0	25.7
1999	9.1	20.6	16.7	20.5	11.6	20.6	20.6	14.2	19.3	31.5	15.1	21.6	20.2
2000	8.0	47.4	24.3	4.3	22.7	19.0	14.3	23.8	40.7	27.3	5.8	12.0	21.3
2001	19.3	3.6	47.8	19.6	26.4	12.6	5.4	8.7	20.6	11.2	8.5	35.3	15.6
2002	8.3	11.2	35.3	32.6	26.4	12.6	5.4	5.6	20.6	34.7	14.2	16.9	18.6
2003	0.0	13.8	25.5	25.2	22.6	16.9	12.3	12.2	18.5	24.9	19.4	18.8	18.6
MEDIOS	11.4	16.3	25.5	25.2	22.6	16.9	12.3	12.2	18.5	24.9	19.4	18.8	18.6
MAXIMOS	24.8	47.4	47.8	50.7	37.7	51.3	21.3	27.3	40.7	57.3	47.6	35.3	25.7
MÍNIMOS	0.0	3.6	4.1	4.3	10.2	8.1	2.0	3.0	4.0	3.1	5.8	0.0	12.3

VALORES MENSUALES DE PRECIPITACION MAXIMA EN 24 HORAS (mm)

ESTACION CASABLANCA
CODIGO 21206060

LATITUD 4.717111 DEPARTAMENTO CUNDINAMARCA
LONGITUD -74.253333 MUNICIPIO MADRID
ALTURA (msnm) 2575 CORRIENTE BALSILLAS

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1981	1.4	3.5	3.5	28.5	15.7	5.5	3.3	14.3	46.9	31.2	32.6	10.3	16.4
1982	29.7	7.6	8.2	24.5	26.8	1.6	10.3	7.0	7.9	26.6	12.9	17.6	15.7
1983	4.3	10.9	28.3	21.5	18.1	5.7	12.6	5.1	13.2	17.8	11.5	7.0	14.0
1984					28.0	40.0					22.0		16.4
1985			10.0	22.0			12.0	20.0	15.0	22.0	20.0		21.1
1986													17.3
1987													
1988	0.0	26.0	10.0	55.0			21.0	10.0	14.0	28.0	26.0	16.0	20.6
1989	14.0	21.0								21.0			20.2
1990													18.7
1991	2.0	2.0	37.0	8.0	42.0	6.0	18.0	10.0	4.0	2.0	10.0	12.0	12.8
1992	4.0	12.0	5.0	10.0	10.0	4.0	5.0	12.0	14.0	11.0	26.0	16.0	11.8
1993	12.0	12.0	23.0	30.0	26.0	12.0	6.0	12.0	34.0	8.0	2.0	12.0	13.3
1994	9.0	6.0	7.0	6.0	7.0	10.0	6.0	9.0	9.0	21.0	18.0	0.0	12.5
1995	3.0	3.0	20.0	9.0	4.0	3.0	11.0	9.0	12.0	13.0	18.0	12.0	9.4
1996	5.0	4.0	25.0	21.0	19.0	39.0	9.0	6.0	4.0	15.0	6.0	8.0	11.6
1997	14.0	8.0	0.0	10.0	14.0	8.0	6.0	2.0	5.3	7.1	9.6	1.2	10.3
1998	8.0	5.0	1.6	6.8	29.1	8.9	20.2	6.8	13.3	26.7	10.3	4.7	9.4
1999	6.0	17.2	10.0	8.8	3.5	15.3	0.0	5.4	19.3	12.2	8.5	11.3	10.8
2000	8.3		22.5	12.4	9.4	17.8	4.2	9.1		12.2	3.5	8.3	10.2
2001	7.7	10.6	17.7	5.2	7.5	4.7	9.2	4.3	6.2	7.3	4.2	3.8	8.9
2002	0.8	2.0	8.5	14.8	17.4	11.7	9.9	4.2	9.2	12.5	7.6	5.8	8.0
2003	0.0	0.0	0.0	8.5	0.0	8.0	5.5	1.6	0.0	1.5		7.0	5.9
2004	0.5	3.5		2.8	17.5	11.4		1.2	7.5	9.0	2.3		4.4
2005							18.5		12.0	7.5	6.4	15.0	8.2
2006	3.0		6.5	15.5		12.5	10.5	8.5	8.0	33.2	18.5		12.5
2007		3.0	12.0	19.0	18.6	10.0	6.5	15.5	4.5	22.0	12.0	36.0	13.8
2008	12.5	9.0	15.0	21.0	17.5	5.5	5.9	9.5	7.0	14.2	28.6	7.2	13.6
2009	4.0		12.0	15.5		27.0	8.0	6.0	10.0	20.0	11.0	10.0	12.6
2010	8.5	6.0	5.0	23.0	15.0	14.0	8.5	7.0	20.0	16.0	27.0	30.0	13.8
2011	24.0	9.0	15.5	22.0	31.0	9.0	12.0	6.0	11.0	17.0	18.0	16.0	15.4
2012	6.0	4.0	36.0	25.5	5.5	4.0	10.5	4.0	5.5	3.0	20.0	4.0	13.3

2013	2.0	8.5	20.0	17.5	12.0	6.0	4.8	12.0	4.5	30.0	11.0	23.0	11.6
2014	13.3	8.5	14.0	23.5	9.0	14.0							13.0
MEDIOS	7.5	8.1	13.8	17.4	16.1	11.7	9.4	8.0	11.8	16.1	14.4	11.8	13.0
MAXIMOS	29.7	26.0	37.0	55.0	42.0	40.0	21.0	20.0	46.9	33.2	32.6	36.0	21.1
MÍNIMOS	0.0	0.0	0.0	2.8	0.0	1.6	0.0	1.2	0.0	1.5	2.0	0.0	4.4

VALORES MENSUALES DE PRECIPITACION MAXIMA EN 24 HORAS (mm)

ESTACION ROBLE EL
CODIGO 21201550

LATITUD 4.796667 ESTADO ACT DEPARTAMENTO CUNDINAMARCA
LONGITUD -74.226389 ENTIDAD IDEAM MUNICIPIO MADRID
ALTURA (msnm) 2560 CATEGORIA PM CORRIENTE BOGOTÁ

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1985								20.4	23.9	20.2	15.2	24.0	20.7
1986	11.0	30.6	8.2	32.0	33.3	16.0	6.4	17.0	16.8	33.8	21.0	10.5	20.0
1987	10.6	5.8	8.0	13.0	29.4	4.2	15.0	11.0	19.0	36.0	14.0	1.8	16.9
1988	18.0	14.4	15.0	21.5	15.0	20.0	15.0	15.0	14.0	28.5	21.0	17.0	16.0
1989	9.8	14.0	24.5	30.0	22.5	15.0	13.5	15.0	19.0	11.5	10.0	13.0	17.3
1990	20.5	25.0	13.0	19.4	18.4	5.5	6.4	4.4	15.4	24.0	45.0	28.4	17.6
1991	3.6	9.6	25.9	40.0	16.4	9.7	17.8	8.6	18.0	16.2	40.0	10.0	18.4
1992	10.7	17.2	5.6	21.0	33.5				22.0	5.0	13.7	36.8	18.2
1993	10.5	19.0	18.3	14.5	36.9	7.6	5.0	5.5	20.6	17.4	22.6	18.4	17.2
1994	11.0	43.0	51.0	20.0	16.4	10.6	5.4	7.8	5.5	15.1	30.0	1.5	17.2
1995	3.5	14.5	27.0	22.0	21.5	13.1	12.0	17.8	11.5	26.6	11.5	35.0	18.1
1996	12.5	11.6	32.6	16.0	21.5	24.0	12.4	14.6	12.0	35.0	16.9	40.0	19.4
1997	14.0	6.6	34.0	11.2	17.5	10.0	7.5	3.0	4.0	15.4	9.4	0.0	15.9
1998	6.5	18.2	18.5	26.0	27.2	12.0	19.0	15.6	14.8	39.0	15.7	16.5	15.1
1999	8.3	37.0	13.6	14.5	31.8	20.0	12.5	16.3	19.0	27.4	12.0	22.2	19.3
2000	6.7	23.7	13.9	12.3	10.9	20.1	21.5	25.1	33.5	22.2	17.0	11.7	18.9
2001	9.5	5.3			49.6	19.1	19.8	4.0	44.7	9.8	5.8	36.7	18.9
2002	3.0	6.0	40.1	36.0	24.2	16.4	4.4	4.5	19.5	24.1	14.5	15.3	18.7
2003	0.0	7.8	25.1	27.7	13.7	10.6	7.3	20.0	10.5	28.1	32.8	19.5	17.1
2004	37.0	24.6	38.2	27.2	14.2	7.8	28.0	5.4	14.4	11.2	11.3	15.0	18.2
2005	5.2	13.5	14.2	30.0	21.1	21.1	12.0	21.1	9.6	23.4	20.3	3.1	17.9
2006	10.5	10.5	36.7	40.5	40.8								19.6
2007	24.8	5.2	13.2	33.5	16.7	17.0	17.3	10.8	9.3	24.6	22.4	21.4	20.9
2008	11.6	11.7	25.8	15.6	26.2	24.6	40.3		10.3		19.6	19.6	19.2
2009		15.2	31.2		17.3				10.4	38.0	31.2	4.6	20.8
2010	10.8		11.8	18.6	35.6	24.1	28.0	20.1	20.5	22.7	32.2	22.2	21.9
2011	18.7	15.9	18.1	33.8	29.8	19.8	15.2	12.3	31.4	62.6	23.8	22.6	23.9
2012	8.2	18.2	33.1	27.6	26.8	13.2	17.6	7.2	12.7	48.7	10.6	14.0	22.6
2013	18.3	11.3	40.2	20.2	19.3			12.4	9.2				19.4
2014	30.5	10.3	26.3	15.8	18.6	12.6	7.4	9.8	5.8	27.2			17.4
MEDIOS	12.3	15.9	23.7	23.7	24.3	15.0	14.7	12.4	16.5	25.7	20.0	17.8	18.8

MAXIMOS	37.0	43.0	51.0	40.5	49.6	24.6	40.3	25.1	44.7	62.6	45.0	40.0	23.9
MINIMOS	0.0	5.2	5.6	11.2	10.9	4.2	4.4	3.0	4.0	5.0	5.8	0.0	15.1

VALORES MENSUALES DE PRECIPITACION MAXIMA EN 24 HORAS (mm)

ESTACION BASE AEREA MADRID
 CODIGO 21205770

LATITUD 4.728806 TIPO 4.728806 ESTADO ACT DEPARTAMENTO CUNDINAMARCA
 LONGITUD -74.2725 CLASE MET IDEAM MUNICIPIO MADRID
 ALTURA (msnm) 2550 CATEGORIA CO CORRIENTE BOGOTÁ

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1974							2.8	10.0	20.1	20.5	22.3		15.1
1976												13.1	12.1
1977	9.4	1.7	18.5	15.2	13.5	10.5	8.0	5.8	13.9	20.8	11.0	0.9	11.9
1978	1.1	2.1	14.0	10.2	47.5	9.5	6.9	2.5	21.1	22.9	8.7	12.8	13.3
1979		1.4	16.5		12.5			10.7	33.3	29.4	26.8	6.0	17.1
1980		31.2	1.0	35.5	9.6	22.0	7.6		8.0		18.0	8.0	15.7
1981	1.4	4.5	7.4	35.3	21.4	6.1	18.2	10.2	11.0	23.3	20.6		14.5
1982				19.6	10.2	11.0	3.2	5.9	8.2			6.2	9.2
1983	2.6	15.5	15.1	19.9	13.8	6.5	17.7	10.0	4.5	16.0	11.4	13.9	12.2
1984	8.8	20.1	8.2	16.8	17.9	24.4	10.8	18.7	13.0	13.3	24.0	23.7	16.6
1985	4.3	5.9	8.0	11.2	20.8	12.6	8.7	22.4	17.2	19.0	20.0	9.8	13.3
1986	8.4	14.9	11.5	22.4	18.5	15.0	25.0	4.8	19.6	30.0	30.0		18.2
1987	7.1	5.5	3.6	8.9	37.0	13.0	11.0		5.7	8.0	15.0		11.5
1988	0.6	21.1	5.7	9.5	6.6			7.8	13.9	9.3	13.9	6.5	9.5
1989	1.0	12.7	15.3	4.9	3.6	8.0	27.3	11.2	20.6	16.9		3.6	11.4
1990	6.3	7.0	5.3	37.3	12.5	5.2	6.7	2.2	6.0	17.9	12.6	15.2	11.2
1991	1.7		28.4	7.4	15.5	3.7	14.6	7.4	16.3	4.8	8.5	4.4	10.2
1992	4.2	0.9	3.5	7.7		4.0	3.8	8.5		5.8	17.5	6.7	6.3
1993	12.5				8.8	6.1	5.4	9.7	13.2	8.5	17.3	4.7	9.6
1994			28.7	20.3	12.4	10.0	9.8	8.9	8.8	23.9	12.1		15.0
1995	1.6	9.9	7.4	12.4	13.2	12.0	18.1	12.8	9.6	13.5	0.0	0.0	9.2
1996	0.0	7.3	20.5	13.2	17.7	4.0	6.4	12.2	17.3	15.7	3.6	9.7	10.6
1997	9.3	9.5	9.5	14.0			0.0	1.7	7.7	19.0	7.6	0.0	7.8
1998	0.0	8.8	1.0	18.0	20.0	11.5	20.0	10.4	15.1	28.4	12.2	9.1	12.9
1999	7.1	16.5	16.5	17.8	14.0	18.0	4.4		18.0	10.4	10.6	8.6	13.8
2000	5.7	12.0			10.4	18.0	4.4	15.8	28.7	9.8	9.0		12.6
2001		5.9	6.3	0.4	14.1	12.5	8.1	5.0	6.1	9.8	5.7	37.8	10.2
2002	0.9	1.3	30.1	19.5	7.5	8.4	9.5	3.7	13.1	14.9	24.0	16.5	12.5
2003	0.0	9.7	11.3	12.1	5.1	12.7	13.1	14.5	10.7	13.4			10.3
2004	3.0				22.2	18.5		7.7	11.0	36.5	21.3	1.5	15.2
2005	7.9	13.7	19.9	10.0	21.5	28.2	4.5	25.6	20.8	40.3	23.5	19.7	19.6
2006	4.2	0.1	14.6	25.0	19.0	16.4	10.0		7.0	32.0		11.4	14.0

2007	9.3	2.0	13.8	26.4	13.2	26.0	4.5	11.5	2.8	18.0	36.1	38.8	16.9
2008	13.4	14.2	20.5	41.0	19.0	12.0	10.4	20.0	8.0	9.8	34.4	8.2	17.6
2009	10.2	40.0	18.2	18.7	33.8	22.2	13.0	5.5	2.5	18.2	19.2	3.5	17.1
2010	7.6	9.8	8.2	22.0	34.5	18.2	10.0	12.0	18.8	17.0	24.2	31.5	17.8
2011	5.6	20.6	12.5	27.4	25.5	7.3	9.8	7.1	19.6	32.2	19.3	30.4	18.1
2012	4.8	19.9											12.4
2013		7.2	28.5	11.4	11.6	7.0							13.1

MEDIOS	5.2	11.0	13.4	17.9	17.2	12.7	10.3	10.1	13.5	18.5	17.1	12.1	13.2
MAXIMOS	13.4	40.0	30.1	41.0	47.5	28.2	27.3	25.6	33.3	40.3	36.1	38.8	19.6
MÍNIMOS	0.0	0.1	1.0	0.4	3.6	3.7	0.0	1.7	2.5	4.8	0.0	0.0	6.3

VALORES No DE DIAS MENSUALES DE PRECIPITACIÓN

ESTACION BOJACA
 CODIGO 21200750

LATITUD 4.733 CUNDINAMARCA
 LONGITUD -74.333 BOJACÁ
 ALTURA (msnm) 2603 BOJACÁ

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1970	6	9	6	7	11	9	8	7	8	17	12	3	103
1971	8	7	12	13	21	15	19	24	26	24	19	16	204
1972	18	14	19	21	20	14	11	20	9	12	24	17	199
1973	14	5	14	20	19	24	22	21	21	22	17	15	214
1974	14	18	22	22	21	23	14	25	23	24	26	5	237
1975	8	15	19	7	21	21	20	18	19	24	24	28	224
1976	19	20	27	27	28	24	6	5	8	16	16	3	199
1977	6	3	9	8	7	10	10	10	10	14	10	2	99
1978	0	5	7	11	6	9	6	4	6	10	8	4	76
1979	3	3	4	11	10	9	5	7	14	14	15	8	103
1980	4	9	4	8	8	9	5	9	4	8	6	7	81
1981	3	5	8	14	11	9	5	9	4	8	6	3	85
1982	4	5	9	12	7	3	5	5	5	8	12	4	79
1983	2	3	10	13	9	4	3	4	3	10	5	8	74
1984	8	6	4	9	10	16	8	10	8	10	9	7	105
1985	3	2	6	8	13	4	4	8	7	10	10	2	77
1986	2	8	5	6	16	15	5	5	6	19	14	5	106
1991	3	3	12	12	7	3	4	2	11	9	13	1	80
1992	0	6	4	9	6	1	5	6	6	6	9	6	64
1993	6	7	4	7	11	5	11	31	30	31	30	31	204
1994	7	8	8	11	7	6	3	4	9	12	5	4	84
1995	3	5	10	7	9	5	7	14	3	9	10	4	86
1996	6	5	7	6	9	7	5	6	7	15	8	8	89
1997	8	3	6	6	8	8	4	2	3	11	3	2	64
1998	1	2	5	8	7	6	6	8	6	12	8	8	77
1999	7	9	7	9	6	8	4	5	7	15	12	11	100
2000	3	6	6	7	13	10	7	6	9	6	4	2	79
2001	4	9	5	14	14	5	3	3	8	12	10	7	94
2002	3	3	9	12	7	10	8	5	7	7	6	3	80
2003	2	6	8	9	5	1	5	5	8	11	10	5	75
2004	3	10	11	14	13	8	9	6	7	14	10	7	112
2005	6	3	4	8	11	5	5	3	4	8	0	0	42

2006	5	3	8	13	13	11	6	10	5	11	9	3	97
2007	2	2	9	10	7	10	5	5	6	13	8	7	84
2008	6	8	5	8	14	8	13	7	5	10	14		98
2009	9	4	10	10	9	7	4	4	5	12	5	6	85
2010	3	4	7	15	13	10	13	11	11	10	15	13	125
2011	3	6	13	12	16	5	5	7	9	9	13	5	103
2012	6	8	10	10	5	3	2	5	5	4	4		62
2013	3	3	8	7	14	3	4	3	2	6	10	2	62
2014	3	6	5	4	7	11	3	3	2	7	11	7	69
2015	3	2	3	6	3	4	7	2					30
MEDIOS	5.46	6.38	8.79	10.74	11.24	9.00	7.24	8.56	8.80	12.55	11.50	7.15	105.00
MAXIMOS	19.00	20.00	27.00	27.00	28.00	24.00	22.00	31.00	30.00	31.00	30.00	31.00	237.00
MINIMOS	0.00	2.00	3.00	4.00	3.00	1.00	2.00	2.00	2.00	4.00	3.00	0.00	30.00

VALORES No DE DIAS MENSUALES DE PRECIPITACIÓN

ESTACION TISQUESUSA
 CODIGO 21206310

LATITUD 4.8167 DEPARTAMENTO CUNDINAMARCA
 LONGITUD -74.3167 MUNICIPIO FACATATIVA
 ALTURA (msnm) 2570 CORRIENTE BOJACA

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1981	6.0	11.0	12.0	21.0	18.0	19.0	8.0	11.0	11.0	21.0	22.0	7.0	167.0
1982	10.0	20.0	14.0	27.0	22.0	13.0	13.0	15.0	12.0	19.0	18.0	18.0	201.0
1986	14.0	16.0	22.0	19.0	22.0	24.0	18.0	11.0	18.0	30.0	21.0	9.0	224.0
1991	6.0	7.0	15.0	15.0	18.0	13.0	13.0	9.0	10.0	10.0	13.0	13.0	142.0
1992	8.0	5.0	4.0	17.0	15.0	5.0	15.0	8.0	7.0	5.0	17.0	10.0	116.0
1993	31.0	28.0	31.0	30.0	31.0	30.0	31.0	31.0	30.0	31.0	30.0	31.0	365.0
1994	6.0	9.0	8.0	12.0	19.0	15.0	12.0	10.0	10.0	17.0	20.0	6.0	144.0
1995	3.0	7.0	15.0	18.0	21.0	23.0	17.0	24.0	14.0	15.0	13.0	17.0	187.0
1996	18.0	10.0	11.0	12.0	21.0	21.0	21.0	14.0	11.0	20.0	10.0	12.0	181.0
1997	15.0	8.0	10.0	18.0	9.0	15.0	11.0	7.0	8.0	9.0	9.0	1.0	120.0
1998	5.0	11.0	13.0	18.0	22.0	12.0	20.0	21.0	19.0	16.0	17.0	12.0	186.0
1999	10.0	17.0	12.0	10.0	30.0	21.0	14.0	19.0	22.0	24.0	28.0	24.0	201.0
2000	17.0	24.0	18.0	20.0	30.0	28.0	5.0	17.0	25.0	24.0	22.0	21.0	204.0
2001	25.0	10.0	22.0	20.0	4.0	0.0	7.0	14.0	12.0	23.0	25.0	27.0	203.0
2002	21.0	24.0	21.0	23.0	7.0	25.0	7.0	14.0	12.0	19.0	19.0	19.0	173.0
2003	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
MEDIOS	12.4	12.9	14.3	17.5	17.3	17.6	14.6	15.1	14.9	18.9	18.9	14.9	176.1
MAXIMOS	31.0	28.0	31.0	30.0	31.0	30.0	31.0	31.0	30.0	31.0	30.0	31.0	365.0
MINIMOS	3.0	0.0	0.0	0.0	0.0	0.0	5.0	7.0	7.0	5.0	9.0	1.0	3.0

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1981	6.0	11.0	12.0	21.0	18.0	19.0	8.0	11.0	11.0	21.0	22.0	7.0	167.0
1982	10.0	20.0	14.0	27.0	22.0	13.0	13.0	15.0	12.0	19.0	18.0	18.0	201.0
1986	14.0	16.0	22.0	19.0	22.0	24.0	18.0	11.0	18.0	30.0	21.0	9.0	224.0
1991	6.0	7.0	15.0	15.0	18.0	13.0	13.0	9.0	10.0	10.0	13.0	13.0	142.0
1992	8.0	5.0	4.0	17.0	15.0	5.0	15.0	8.0	7.0	5.0	17.0	10.0	116.0
1993	31.0	28.0	31.0	30.0	31.0	30.0	31.0	31.0	30.0	31.0	30.0	31.0	365.0
1994	6.0	9.0	8.0	12.0	19.0	15.0	12.0	10.0	10.0	17.0	20.0	6.0	144.0
1995	3.0	7.0	15.0	18.0	21.0	23.0	17.0	24.0	14.0	15.0	13.0	17.0	187.0
1996	18.0	10.0	11.0	12.0	21.0	21.0	21.0	14.0	11.0	20.0	10.0	12.0	181.0
1997	15.0	8.0	10.0	18.0	9.0	15.0	11.0	7.0	8.0	9.0	9.0	1.0	120.0
1998	5.0	11.0	13.0	18.0	22.0	12.0	20.0	21.0	19.0	16.0	17.0	12.0	186.0
1999	10.0	17.0	12.0	10.0	30.0	21.0	14.0	19.0	22.0	24.0	28.0	24.0	201.0
2000	17.0	24.0	18.0	20.0	30.0	28.0	5.0	17.0	25.0	24.0	22.0	21.0	204.0
2001	25.0	10.0	22.0	20.0	4.0	0.0	7.0	14.0	12.0	23.0	25.0	27.0	203.0
2002	21.0	24.0	21.0	23.0	7.0	25.0	7.0	14.0	12.0	19.0	19.0	19.0	173.0
2003	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
MEDIOS	12.4	12.9	14.3	17.5	17.3	17.6	14.6	15.1	14.9	18.9	18.9	14.9	176.1
MAXIMOS	31.0	28.0	31.0	30.0	31.0	30.0	31.0	31.0	30.0	31.0	30.0	31.0	365.0
MINIMOS	3.0	0.0	0.0	0.0	0.0	0.0	5.0	7.0	7.0	5.0	9.0	1.0	3.0

VALORES No DE DIAS MENSUALES DE PRECIPITACIÓN

ESTACION MANJUI
 CODIGO 2.1201740

LATITUD 4.8000 ESTADO ACT CUNDINAMARCA
 LONGITUD -74.3833 ENTIDAD CAR FACATATIVA
 ALTURA (msnm) 3260 CATEGORIA PM CORRIENTE BALSILLAS

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1982	3.0	12.0	14.0	16.0	10.0	5.0	6.0	3.0	7.0	13.0	16.0	9.0	114.0
1986	6.0	17.0	11.0	15.0	11.0	20.0	9.0	8.0	16.0	24.0	17.0	6.0	160.0
1991	4.0	3.0	19.0	13.0	11.0	6.0	9.0	9.0	9.0	4.0	13.0	5.0	105.0
1992	3.0	0.0	4.0	3.0	4.0	7.0	10.0	5.0	8.0	5.0	11.0	9.0	69.0
1993	7.0	5.0	12.0	12.0	13.0	4.0	6.0	31.0	30.0	31.0	30.0	31.0	212.0
1994	7.0	4.0	9.0	11.0	10.0	12.0	6.0	6.0	4.0	9.0	4.0	2.0	84.0
1995	2.0	6.0	11.0	7.0	7.0	3.0	5.0	9.0	0.0	3.0	1.0	8.0	62.0
1996	0.0	3.0	6.0	6.0	9.0	4.0	7.0	4.0	1.0	4.0	3.0	4.0	51.0
1997	4.0	2.0	3.0	3.0	7.0	8.0	5.0	1.0	5.0	2.0	6.0	0.0	46.0
1998	2.0	4.0	6.0	3.0	5.0	1.0	11.0	6.0	12.0	14.0	15.0	10.0	89.0
1999	10.0	17.0	13.0	15.0	11.0	15.0	8.0	9.0	12.0	18.0	14.0	11.0	153.0
2000	8.0	7.0	7.0	6.0	12.0	3.0	4.0	3.0	11.0	3.0	4.0	1.0	69.0
2001	0.0	0.0	4.0	2.0	10.0	9.0	1.0	3.0	3.0	7.0	10.0	9.0	58.0
2002	3.0	5.0	10.0	17.0	13.0	14.0	8.0	6.0	9.0	8.0	8.0	7.0	108.0
2003	1.0	6.0	10.0	12.0	10.0	1.0	14.0	10.0	7.0	19.0	11.0	8.0	109.0
2004	6.0	14.0	8.0	16.0	18.0	10.0	6.0	9.0	11.0	16.0	16.0	9.0	139.0
2005	9.0	8.0	15.0	17.0	16.0	8.0	5.0	7.0	8.0	18.0	13.0	4.0	128.0
2006	7.0	2.0	22.0	18.0	12.0	8.0	2.0	7.0	6.0	18.0	26.0	15.0	143.0
2007	2.0	1.0	9.0	11.0	8.0	3.0	3.0	10.0	6.0	12.0	11.0	11.0	87.0
2008	6.0	5.0	11.0	14.0	14.0	7.0	12.0	14.0	4.0	12.0	21.0	8.0	128.0
2009	6.0	8.0	10.0	10.0	6.0	9.0	5.0	4.0	3.0	11.0	8.0	1.0	81.0
2010	0.0	2.0	0.0	19.0	14.0	10.0	15.0	5.0	6.0	8.0	11.0	3.0	93.0
2011	0.0	10.0	19.0	15.0	20.0	17.0	15.0	13.0	12.0	14.0	24.0	5.0	164.0
2012	12.0	10.0	17.0	18.0	21.0	12.0	16.0	14.0	10.0	15.0	14.0	12.0	171.0
2013	5.0	16.0	13.0	13.0	22.0	9.0	12.0	17.0	10.0	16.0	22.0	15.0	170.0
2014	1.0	13.0	11.0	12.0	22.0	16.0	17.0	9.0	12.0	23.0	23.0	10.0	169.0
2015	5.0	3.0	9.0	13.0	13.0	20.0	20.0	15.0	12.0	23.0	23.0	10.0	98.0

MEDIOS	4.4	6.8	10.5	11.7	12.2	8.9	8.8	8.8	8.5	12.6	13.5	8.2	113.3
MAXIMOS	12.0	17.0	22.0	19.0	22.0	20.0	20.0	31.0	30.0	31.0	30.0	31.0	212.0
MINIMOS	0.0	0.0	0.0	2.0	4.0	1.0	1.0	1.0	0.0	2.0	1.0	0.0	46.0

VALORES No DE DIAS MENSUALES DE PRECIPITACIÓN

ESTACION TACHI
 CODIGO 21205960

LATITUD 4.939056 ESTADO ACT CUNDINAMARCA
 LONGITUD -74.152583 ENTIDAD IDEAM SUBACHOQUE
 ALTURA (msnm) 2650 CATEGORIA ME CORRIENTE SUBACHOQUE

AÑO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1996			8.0	11.0	19.0	17.0	24.0	12.0	4.0	21.0	8.0		124.0
1997	11.0	3.0	10.0	13.0	8.0	10.0	15.0	9.0	5.0	7.0	12.0	1.0	104.0
1998	4.0	12.0	13.0	15.0	23.0	13.0	18.0	18.0	15.0	13.0	11.0	13.0	168.0
1999	7.0	14.0	12.0	14.0	7.0	18.0	7.0	17.0	20.0	18.0	15.0	8.0	157.0
2000	6.0	10.0	9.0	13.0	19.0	10.0	17.0	16.0	17.0	11.0	9.0	5.0	142.0
2001	5.0	5.0	13.0	3.0	15.0	19.0	17.0	17.0	21.0	11.0	14.0	16.0	156.0
2002	4.0	6.0	16.0	19.0	15.0	19.0	14.0	14.0	13.0	9.0	10.0	13.0	152.0
2003	1.0	8.0	13.0	13.0	11.0	15.0	18.0	13.0	20.0	24.0	18.0	14.0	168.0
2004	13.0	8.0	10.0	18.0	21.0	17.0	15.0	18.0	22.0	24.0	16.0	14.0	182.0
2005					20.0		18.0	22.0	22.0	21.0	18.0	14.0	135.0
2006	15.0	6.0	17.0	22.0	22.0	23.0	16.0	16.0	8.0	17.0	15.0	10.0	187.0
2007	6.0	6.0	11.0	17.0	18.0	22.0	11.0	21.0	22.0	23.0			157.0
2008	10.0	13.0	19.0	18.0	21.0	22.0	19.0	22.0	18.0	15.0	25.0	10.0	212.0
2009	12.0	13.0	20.0	13.0	15.0	14.0	16.0	19.0	12.0	11.0	9.0	5.0	159.0
2010	5.0	8.0	10.0	25.0	25.0	22.0	25.0	16.0	19.0	19.0	23.0	17.0	214.0
2011	12.0	15.0	21.0	26.0	24.0	15.0	16.0	19.0	12.0	27.0	27.0	12.0	214.0
2012	8.0	9.0	18.0	20.0	18.0	16.0	19.0	22.0	12.0	17.0	13.0	10.0	182.0
2013	1.0	16.0	12.0	15.0	18.0	10.0	12.0	21.0	14.0	13.0	20.0	12.0	164.0
2014	8.0	6.0	8.0	9.0	5.0	8.0			7.0				51.0
2015	3.0	3.0	16.0	10.0	13.0	13.0							55.0
MEDIOS	7.5	8.9	13.5	15.5	16.9	15.9	16.5	17.3	15.1	16.7	15.5	10.7	154.2
MAXIMOS	15.0	16.0	21.0	26.0	25.0	23.0	25.0	22.0	22.0	27.0	27.0	17.0	214.0
MINIMOS	1.0	3.0	8.0	3.0	5.0	8.0	7.0	9.0	4.0	7.0	8.0	1.0	51.0

VALORES No DE DIAS MENSUALES DE PRECIPITACIÓN

ESTACION VILLA INES
 CODIGO 2.1205940

LATITUD 4.834972 DEPARTAMENTO CUNDINAMARCA
 LONGITUD -74.383972 MUNICIPIO FACATATIVA
 ALTURA (msnm) 2590 CORRIENTE CHECUA

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1992.0	17.3		82.0	133.0	140.0	135.0	75.0	85.0	154.0				821.3
1994.0						13.5	10.0	8.0	15.0	34.0	25.0	8.6	114.1
1995.0	3.0	21.5	32.0	20.0	17.1	18.0	34.5	44.5	22.5	9.0	21.5	12.5	256.1
1996.0	25.0	16.0	27.0	10.0	16.5	32.0	28.5	20.0	10.0	19.0	18.5	25.1	247.6
1997.0	21.5	9.0	12.0	28.0	15.5	9.6	13.0	1.0	16.0	33.0	18.8	16.0	193.4
1998.0	7.0	33.5	17.0	19.0	14.0	7.0	10.0	8.0	23.0	23.2	32.2	6.2	200.1
1999.0	12.0	23.0	22.5	22.0	8.1	10.0	8.3	8.0	14.5	23.2	48.2	33.4	233.2
2000.0	20.7	15.4	39.6	11.0	12.6	13.5	1.8	15.5	18.5		17.6	34.0	200.2
2001.0	14.4	7.5	15.0		19.6	17.3	7.3	7.6	9.4	16.2	16.0	29.0	159.3
2002.0	4.0	3.1	24.0	44.0	28.5	13.2	45.0	9.0	8.5	27.0	13.6	19.1	239.0
2003.0	1.5	40.6	27.8	15.5	7.2	11.0		19.0	13.8		24.5	25.0	185.9
2004.0	18.5	20.0	15.0	21.0								13.8	88.3
2005.0	53.4	17.4	15.9	8.0	31.8	4.6	14.0	17.2	22.6	40.5	13.5	5.3	244.2
2006.0	9.2	9.0	32.0	97.4	44.0	15.2	11.3	10.0	6.2	22.7	19.6	10.5	287.1
2007.0	4.4	6.8	31.2	17.0	12.6	15.4	14.6	15.5	7.6	30.3	25.7	42.0	223.1
2008.0	21.7	17.6	17.7	35.0	20.0	7.2	13.2	20.2	7.0	25.0	28.8	16.7	230.1
2009.0	15.1	39.0											54.1
2010.0		12.0	7.0	19.0	16.4	15.4	27.4	7.0	23.0	17.9	28.1	23.6	196.8
2011.0	7.0	9.8	27.6	35.0	29.7								109.1
2013.0	26.8	16.2	34.0	22.0	21.0	11.0	5.4	19.8	5.0	21.7	25.8	15.4	224.1
2014.0	13.5	17.1											30.6
MEDIOS	15.6	17.6	26.6	32.8	26.7	20.5	20.0	18.5	22.2	24.5	23.6	19.8	216.1
MAXIMOS	53.4	40.6	82.0	133.0	140.0	135.0	75.0	85.0	154.0	40.5	48.2	42.0	821.3
MINIMOS	1.5	3.1	7.0	8.0	7.2	4.6	1.8	1.0	5.0	9.0	13.5	5.3	30.6

MEDIOS	15.6	17.6	26.6	32.8	26.7	20.5	20.0	18.5	22.2	24.5	23.6	19.8	216.1
MAXIMOS	53.4	40.6	82.0	133.0	140.0	135.0	75.0	85.0	154.0	40.5	48.2	42.0	821.3
MINIMOS	1.5	3.1	7.0	8.0	7.2	4.6	1.8	1.0	5.0	9.0	13.5	5.3	30.6

VALORES No DE DIAS MENSUALES DE PRECIPITACIÓN

ESTACION CORAZON EL
 CODIGO 2.1201070

LATITUD 4.866667 DEPARTAMENTO CUNDINAMARCA
 LONGITUD -74.266667 MUNICIPIO FACATATIVA
 ALTURA (msnm) 2580 CORRIENTE BALSILLAS

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1974													
1975	3.0	14.0	11.0	10.0	13.0	8.0	13.0	11.0	19.0	19.0	18.0	3.0	70.0
1976	7.0	9.0	15.0	16.0	9.0	11.0	9.0	15.0	11.0	14.0	14.0	16.0	142.0
1977	2.0	3.0	7.0	11.0	8.0	10.0	9.0	3.0	5.0	15.0	10.0	6.0	118.0
1978	2.0	3.0	10.0	15.0	9.0	12.0	4.0	2.0	6.0	17.0	7.0	3.0	99.0
1979	5.0	2.0	10.0	12.0	5.0	15.0	5.0	6.0	10.0	9.0	9.0	5.0	86.0
1980	5.0	8.0	3.0	8.0	15.0	8.0	7.0	11.0	9.0	11.0	7.0	13.0	113.0
1981	1.0	10.0	14.0	15.0	13.0	6.0	6.0	5.0	3.0	22.0	11.0	5.0	111.0
1982	7.0	14.0	11.0	21.0	16.0	0.0	8.0	7.0	8.0	18.0	9.0	9.0	128.0
1983	3.0	7.0	8.0	23.0	11.0	5.0	6.0	7.0	10.0	19.0	3.0	8.0	110.0
1984	9.0	2.0	4.0	13.0	21.0	16.0	6.0	7.0	11.0	6.0	16.0	6.0	117.0
1985	2.0	3.0	6.0	5.0	8.0	2.0	4.0	15.0	15.0	14.0	16.0	5.0	95.0
1986	4.0	14.0	9.0	20.0	7.0	11.0	1.0	4.0	8.0	21.0	14.0	4.0	117.0
1987	3.0	3.0	11.0	4.0	10.0	4.0	10.0	7.0	11.0	9.0	9.0	0.0	81.0
1988	2.0	10.0	3.0	8.0	5.0	5.0	13.0	15.0	0.0	3.0	11.0	8.0	83.0
1989	6.0	2.0	14.0	1.0	8.0	3.0	5.0	8.0	3.0	4.0	4.0	5.0	63.0
1990	5.0	9.0	3.0	13.0	5.0	6.0	7.0	8.0	3.0	13.0	5.0	10.0	87.0
1991	4.0	6.0	11.0	4.0	4.0	4.0	10.0	3.0	2.0	2.0	8.0	8.0	58.0
1992	2.0	5.0	4.0	4.0	6.0	2.0	7.0	5.0	3.0	2.0	10.0	6.0	52.0
1993	5.0	8.0	8.0	6.0	11.0	4.0	6.0	3.0	9.0	4.0	10.0	2.0	76.0
1994	6.0	6.0	4.0	8.0	9.0	10.0	7.0	11.0	8.0	14.0	16.0	6.0	105.0
1995	2.0	9.0	15.0	13.0	15.0	16.0	12.0	15.0	7.0	11.0	7.0	12.0	134.0
1996	16.0	11.0	16.0	14.0	22.0	17.0	14.0	11.0	7.0	14.0	11.0	9.0	162.0
1997	18.0	6.0	12.0	12.0	9.0	11.0	10.0	1.0	8.0	10.0	14.0	1.0	112.0
1998	4.0	6.0	10.0	16.0	17.0	8.0	14.0	10.0	12.0	14.0	15.0	8.0	134.0
1999	12.0	16.0	11.0	11.0	11.0	15.0	5.0	11.0	12.0	16.0	11.0	10.0	141.0
2000	11.0	10.0	8.0	11.0	12.0	5.0	11.0	8.0	14.0	13.0	11.0	8.0	122.0
2001	4.0	5.0	8.0	6.0	15.0	6.0	5.0	8.0	11.0	8.0	11.0	11.0	98.0
2002	4.0	7.0	13.0	15.0	8.0	6.0	1.0	2.0	4.0	9.0	6.0	7.0	82.0
2003	1.0	7.0	6.0	14.0	8.0	9.0	13.0	6.0	9.0	17.0	14.0	10.0	114.0
2004	9.0	7.0	8.0	12.0	14.0	12.0	8.0	4.0	13.0	13.0	14.0	8.0	122.0
2005	10.0	6.0	1.0	10.0	15.0	7.0	5.0	8.0	10.0	18.0	16.0	3.0	109.0

2006	4.0	6.0	17.0	13.0	16.0	13.0	5.0	4.0	6.0	14.0	15.0	3.0	116.0
2007	2.0	3.0	8.0	7.0	15.0	17.0	5.0	18.0	6.0	21.0	12.0	13.0	127.0
2008	9.0	8.0	16.0	13.0				14.0	10.0	16.0	22.0	8.0	116.0
2009	9.0	11.0	14.0	11.0	8.0	7.0	8.0	9.0	4.0	13.0	12.0	2.0	108.0
2010	2.0	5.0	4.0	24.0	17.0	14.0	22.0	11.0	13.0	8.0	24.0	15.0	159.0
2011	6.0	16.0	19.0	22.0	24.0	14.0	7.0	9.0	9.0	20.0	26.0	11.0	183.0
2012	14.0	7.0	15.0	14.0	10.0	6.0	14.0	9.0	5.0	14.0	11.0	4.0	123.0
2013	7.0	8.0	10.0	13.0	11.0	5.0	2.0	11.0	5.0	12.0	16.0	7.0	107.0
2014	7.0	13.0	12.0	9.0	9.0	9.0	9.0	8.0	5.0	16.0	10.0	8.0	115.0
2015	4.0			3.0									
MEDIOS	5.8	7.6	9.9	11.9	11.8	8.7	8.0	8.4	8.1	12.9	12.3	7.2	109.8
MAXIMOS	18.0	16.0	19.0	24.0	24.0	17.0	22.0	18.0	19.0	22.0	26.0	16.0	183.0
MINIMOS	1.0	2.0	1.0	1.0	5.0	0.0	1.0	1.0	0.0	2.0	3.0	0.0	52.0

VALORES No DE DIAS MENSUALES DE PRECIPITACIÓN

ESTACION TIBAR EL
 CODIGO 21201270

LATITUD 4.816667 DEPARTAMENTO CUNDINAMARCA
 LONGITUD -74.233333 MUNICIPIO MADRID
 ALTURA (msnm) 2550 CORRIENTE SUBACHOQUE

TIPO	CON	ESTADO	SUS	DEPARTAMENTO	ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
CLASE	MET	ENTIDAD	IDEAM	MUNICIPIO														
CATEGORIA	PM			CORRIENTE														
					1981	4.0	10.0	9.0	13.0	20.0	13.0	7.0	6.0	6.0	16.0	8.0	5.0	117.0
					1982	6.0	21.0	11.0	20.0	17.0	8.0	3.0	4.0	7.0	14.0	13.0	11.0	135.0
					1983	6.0	4.0	10.0	20.0	13.0	6.0	11.0	5.0	7.0	14.0	7.0	11.0	114.0
					1984	11.0	13.0	5.0	12.0	13.0	13.0	7.0	9.0	10.0	11.0	13.0		117.0
					1985	2.0	4.0	9.0	5.0		8.0	3.0	12.0	11.0	8.0	8.0	5.0	75.0
					1986	1.0	9.0	7.0	12.0	11.0	18.0	7.0	4.0	12.0	23.0	13.0		117.0
					1987	1.0	3.0					21.0	13.0	10.0	19.0	11.0	2.0	80.0
					1988	4.0	10.0	3.0	15.0	14.0	20.0	21.0	20.0	20.0	17.0	22.0	14.0	180.0
					1989	4.0	9.0	17.0	9.0	20.0	14.0	14.0	8.0	18.0	16.0	9.0	7.0	145.0
					1990	8.0	13.0	12.0	19.0	22.0	8.0	14.0	12.0	10.0	25.0	13.0	10.0	166.0
					1991	5.0	6.0	19.0	13.0	14.0	12.0	18.0	11.0	9.0	8.0	17.0	13.0	145.0
					1992	7.0	8.0	5.0	13.0	12.0	4.0	18.0	13.0	8.0	8.0	19.0	9.0	124.0
					1993	8.0	9.0	19.0	22.0	22.0	16.0	18.0	9.0	18.0	16.0	23.0	8.0	188.0
					1994	12.0	15.0	12.0	17.0	17.0	16.0	11.0	16.0	11.0	17.0	19.0	5.0	168.0
					1995	3.0	8.0	14.0	20.0	19.0	21.0	18.0	26.0	11.0	14.0	12.0	18.0	184.0
					1996	15.0	14.0	15.0	14.0	23.0	19.0	22.0	18.0	18.0	19.0	12.0	11.0	193.0
					1997	14.0	6.0	15.0	20.0	13.0	18.0	18.0	7.0	12.0	11.0	17.0	0.0	151.0
					1998	3.0	4.0	8.0	19.0	18.0	14.0	18.0	14.0	19.0	18.0	17.0	13.0	165.0
					1999	15.0	16.0	18.0	18.0	18.0	27.0	11.0	21.0	23.0	28.0	23.0	14.0	232.0
					2000	7.0	16.0	17.0	15.0	21.0	12.0	19.0	16.0	21.0	17.0	12.0	14.0	187.0
					2001	8.0	7.0	14.0	6.0	20.0	15.0	15.0	13.0	13.0	12.0	13.0	12.0	135.0
					2002	2.0	6.0	12.0	19.0	16.0	16.0	8.0	10.0	10.0	11.0	12.0	10.0	132.0
					2003	0.0	10.0	13.0	16.0	16.0								39.0
MEDIOS						6.3	9.6	12.0	15.3	17.2	14.2	13.7	12.1	12.6	15.5	14.2	9.6	143.0
MAXIMOS						15.0	21.0	19.0	22.0	23.0	27.0	22.0	26.0	23.0	28.0	23.0	18.0	232.0
MINIMOS						0.0	3.0	3.0	5.0	11.0	4.0	3.0	4.0	6.0	8.0	7.0	0.0	39.0

VALORES No DE DIAS MENSUALES DE PRECIPITACIÓN

ESTACION CASABLANCA
 CODIGO 2.1206060

LATITUD 4.717111 DEPARTAMENTO CUNDINAMARCA
 LONGITUD -74.253333 MUNICIPIO MADRID
 ALTURA (msnm) 2575 CORRIENTE BALSILLAS

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1981	1.4	3.5	3.5	28.5	15.7	5.5	3.3	14.3	46.9	31.2	32.6	10.3	196.7
1982	29.7	7.6	8.2	24.5	26.8	1.6	10.3	7.0	7.9	26.6	12.9	17.6	180.7
1983	4.3	10.9	28.3	21.5	18.1	5.7	12.6	5.1	13.2	17.8	11.5	7.0	156.0
1984					28.0	40.0					22.0		90.0
1985			10.0	22.0			12.0	20.0	15.0	22.0	20.0		121.0
1986													0.0
1987												20.0	20.0
1988	0.0	26.0	10.0	55.0	0.0	0.0	21.0	10.0	14.0	28.0	26.0	16.0	206.0
1989	14.0	21.0								12.0			47.0
1990					16.0	10.0					14.0	8.0	48.0
1991	2.0	2.0	38.0	8.0	42.0	6.0	18.0	10.0	4.0	2.0	20.0	12.0	164.0
1992	4.0	12.0	5.0	10.0	10.0	4.0	5.0	12.0	14.0	11.0	26.0	16.0	129.0
1993	12.0	12.0	23.0	30.0	26.0	12.0	6.0	12.0	34.0	8.0	2.0	12.0	189.0
1994	9.0	6.0	8.0	6.0	8.0	10.0	6.0		9.0	21.0	18.0	0.0	101.0
1995	3.0	3.0	20.0	9.0	4.0	3.0	11.0	9.0	12.0	13.0	18.0	12.0	117.0
1996	5.0	4.0	25.0	21.0	19.0	39.0	9.0	6.0	4.0	15.0	6.0	8.0	161.0
1997	14.0	8.0	0.0	10.0	14.0	8.0	6.0	2.0	5.3	7.1	9.6	1.2	85.2
1998	8.0	5.0	1.6	6.8	29.1	8.9	20.2	6.8	13.1	26.7	10.3	4.7	141.2
1999	6.0	17.2	20.0	8.8	3.5	15.3	0.0	5.4	19.3	12.2	8.5	11.3	127.5
2000	8.3		22.5	12.4	9.4	17.8	4.2	9.1		12.2	3.5	8.3	107.7
2001	7.7	10.6	17.7	5.2	7.5	4.7	9.2	4.3	6.2	7.3	4.2	3.8	88.4
2002	0.8	2.0	8.5	14.8	17.4	11.7	9.9	4.2	9.2	12.5	7.6	5.8	104.4
2003	0.0	0.0	0.0	8.5	0.0	8.0	5.5	1.6	0.0	1.5	0.9	7.0	33.0
2004	0.5	3.5		2.8	17.5	11.4		1.2	7.5	9.0	2.3		55.7
2005							18.5		12.0	7.5	6.4	15.0	59.4
2006	3.0		6.5	15.5		12.5	10.5	8.5	8.0	33.2	18.5	36.0	116.2
2007		3.0	12.0	19.0	18.6	10.0	6.5	15.5	4.5	22.0	12.0		159.1
2008	12.5	9.0	15.0	21.0	17.5	5.5	5.9	9.5	7.0	14.2	28.6	7.2	152.9
2009	4.0		12.0	15.5		27.0	8.0	6.0	10.0	20.0	11.0	10.0	123.5
2010	8.5	6.0	5.0	23.0	15.0	14.0	8.5	7.0	20.0	16.0	27.0	30.0	180.0
2011	24.0	9.0	15.5	22.0	31.0	9.0	12.0	6.0	11.0	17.0	18.0	16.0	190.5
2012	6.0	4.0	36.0	25.5	5.5	4.0	10.5	4.0	5.5	3.0	20.0	4.0	128.0

2013	5.0	8.5	20.0	17.5	12.0	6.0	4.8	12.0	4.5	30.0	11.0	23.0	154.3
2014	13.1	1.0											14.1
MEDIOS	7.6	7.8	14.3	17.2	15.8	11.1	9.4	8.0	11.7	15.8	14.3	11.9	116.1
MAXIMOS	29.7	26.0	38.0	55.0	42.0	40.0	21.0	20.0	46.9	33.2	32.6	36.0	206.0
MINIMOS	0.0	0.0	0.0	2.8	0.0	0.0	0.0	1.2	0.0	1.5	0.9	0.0	0.0

VALORES No DE DIAS MENSUALES DE PRECIPITACIÓN

ESTACION ROBLE EL
 CODIGO 2.1201550

LATITUD 4.796667 DEPARTAMENTO CUNDINAMARCA
 LONGITUD -74.226389 MUNICIPIO MADRID
 ALTURA (msnm) 2560 CORRIENTE BOGOTÁ

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1985													103.7
1986	11	30.6	8.2	32	33.3	16	6.4	20.4	23.9	20.2	15.2	24	236.6
1987	10.6	5.8	8	13	29.4	4.2	15	17	16.8	33.8	21	10.5	236.6
1988	18	14.4	15	21.5	15	20	15	11	19	36	14	1.8	167.8
1989	9.8	14	24.5	30	22.5	15	13.5	15	14	28.5	21	17	199.4
1990	20.5	25	13	19.4	18.4	5.5	6.4	4.4	15.4	11.5	10	13	197.8
1991	3.6	9.6	25.9	40	16.4	9.7	17.8	8.6	18	24	45	28.4	225.4
1992	10.7	17.2	5.3	21	33.5				22	16.2	40	10	215.8
1993	10.5	19	18.3	14.5	36.9	7.6	5	5.5	20.6	5	13.7	36.8	165.2
1994	11	43	51	20	16.4	10.6	5.4	7.8	5.5	17.4	22.6	18.4	196.3
1995	3.5	14.5	27	22	21.5	13.1	12	17.8	11.5	15.1	30	1.5	217.3
1996	12.5	11.6	32.6	16	21.5	24	12.4	14.6	12	26.6	11.5	35	216.0
1997	14	6.6	34	11.2	17.5	10	7.5	3	4	35	16.9	40	249.1
1998	6.5	18.2	18.5	26	27.2	12	19	15.6	14.8	15.4	9.4	0	132.6
1999	8.3	37	13.6	14.5	31.8	20	12.5	16.3	19	39	15.7	16.5	229.0
2000	6.7	23.7	13.9	12.3	10.9	20.1	21.5	25.1	33.5	27.4	12	22.2	234.6
2001	9.5	5.3		*	49.6	19.1	19.8	4	44.7	22.2	17	11.7	218.6
2002	3	6	40.1	36	24.2	16.4	4.4	4.5	19.5	9.8	5.8	36.7	204.3
2003	0	7.8	25.1	27.7	13.7	10.6	7.3	20	10.5	24.1	14.5	15.3	208.0
2004	37	24.6	38.2	27.2	14.2	7.8	28	5.4	14.4	28.1	32.8	19.5	203.1
2005	5.2	13.5	14.2	30	21.1	21.1	12	21.1	9.6	11.2	11.3	15	234.3
2006	10.5	10.5	36.7	40.5	40.8	*				23.4	20.3	3.1	194.6
2007	24.8	5.2	13.2	33.5	16.7	17	17.3	10.8	9.3	24.6	22.4	0.6	139.6
2008	11.6	11.7	25.8	15.6	26.2	24.6	40.3	*	10.3	24.6	19.6	21.4	216.2
2009		15.2	31.2		17.3				10.4	38	31.2	19.6	205.3
2010	10.8		11.8	18.6	35.6	24.1	28	20.1	10.4	38	31.2	4.6	147.9
2011	18.7	15.9	18.1	33.8	29.8	19.8	15.2	12.3	20.5	22.7	32.2	22.2	246.6
2012	8.2	18.2	33.1	27.6	26.8	13.2	17.6	7.2	31.4	62.6	23.8	22.6	304.0
2013	18.3	11.3	40.2	20.2	19.3			12.4	12.7	48.7	10.6	14	237.9
2014		10.3	26.3	15.8	18.6	12.6	7.4	9.8	9.2	27.2			130.9
									5.8				133.8
MEDIOS	11.7	15.9	23.7	23.7	24.3	15.0	14.7	12.4	16.5	25.7	20.0	17.2	200.4

MAXIMOS	37.0	43.0	51.0	40.5	49.6	24.6	40.3	25.1	44.7	62.6	45.0	40.0	304.0
MINIMOS	0.0	5.2	5.3	11.2	10.9	4.2	4.4	3.0	4.0	5.0	5.8	0.0	103.7

VALORES No DE DIAS MENSUALES DE PRECIPITACIÓN

ESTACION BASE AEREA MADRID
 CODIGO 2.1205770

LATITUD 4.728806 TIPO CON ESTADO ACT DEPARTAMENTO CUNDINAMARCA
 LONGITUD -74.2725 MET IDEAM MUNICIPIO MADRID
 ALTURA (msnm) 2550 CATEGORIA CO CORRIENTE BOGOTÁ

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1974							2.8	10.0	20.1	20.5	22.3		75.7
1976												13.1	24.1
1977	9.4	1.7	18.5	15.2	13.5	10.5	8.0	5.8	13.9	20.8	24.9	0.9	143.1
1978	1.1	2.1	14.0	10.2	47.5	9.5	6.9	2.5	21.1	22.9	8.7	12.8	159.3
1979		1.4	16.5		12.5			10.7	33.3	29.4	26.8	6.0	136.6
1980		31.2	1.0	35.5	9.6	22.0	7.6		8.0		18.0	8.0	140.9
1981	1.4	4.5	7.4	35.3	21.4	6.1	18.2	10.2	11.0	23.3	20.6		159.4
1982				19.6	10.2	11.0	3.2	5.9	8.2			6.2	64.3
1983	2.6	15.5	15.1	19.9	13.8	6.5	17.7	10.0	4.5	16.0	11.4	13.9	146.9
1984	8.8	20.1	8.2	16.8	17.9	24.4	10.8	18.7	13.0	13.3	24.0	23.7	199.7
1985	4.3	5.9	8.0	11.2	20.8	12.6	8.7	22.4	17.2	19.0	20.0	9.8	159.9
1986	8.4	14.9	11.5	22.4	18.5	15.0	25.0	4.8	19.6	30.0	30.0		200.1
1987	7.1	5.5	3.6	8.9	37.0	13.0	11.0		5.7	8.0	15.0		114.8
1988	0.6	21.1	5.7	9.5	6.6			7.8	13.9	9.3	13.9	6.5	94.9
1989	1.0	12.7	15.3	4.9	3.6	8.0	27.3	11.2	20.6	16.9		3.6	125.1
1990	6.3	7.0	5.3	37.3	12.5	5.2	6.7	2.2	6.0	17.9	12.6	15.2	134.2
1991	1.7		28.4	7.4	15.5	3.7	14.6	7.4	16.3	4.8	8.5	4.4	112.7
1992	4.2	0.9	3.5	7.7		4.0	3.8	8.5		5.8	17.5	6.7	62.6
1993	12.5				8.8	6.1	5.4	9.7	13.2	8.5	17.3	4.7	86.2
1994			28.7	20.3	12.4	10.0	9.8	8.9	8.8	23.9	12.1		134.9
1995	1.6	9.9	7.4	12.4	13.2	12.0	18.1	12.8	9.6	13.5	0.0	0.0	110.5
1996	0.0	7.3	20.5	13.2	17.7	4.0	6.4	12.2	17.3	15.7	3.6	9.7	127.6
1997	9.3	9.5	9.5	14.0			0.0	1.7	7.7	19.0	7.6	0.0	78.3
1998	0.0	8.8	1.0	18.0	20.0	11.5	20.0	10.4	15.1	28.4	12.2	9.1	154.5
1999	7.1	16.5	16.5	17.8	14.0	18.0	4.4		18.0	10.4	10.6	8.6	137.5
2000	5.7	12.0			10.4	18.0		15.8	28.7	9.8	9.0		113.8
2001		5.9	6.3	0.4	14.1	12.5	8.1	5.0	6.1	9.8	5.7	37.8	111.7
2002	0.9	1.3	30.1	19.5	7.5	8.4	9.5	3.7	13.1	14.9	24.0	16.5	149.4
2003	0.0	9.7	11.3	12.1	5.1	12.7	13.1	14.5	10.7	13.4			102.6
2004	3.0				22.2	18.5		7.7	11.0	36.5	21.3	1.5	121.7
2005	7.9	13.7	19.9	10.0	21.5	28.2	4.5	25.6	20.8	40.3	23.5	19.7	235.6
2006	4.2	0.1	14.6	25.0	19.0	16.4	10.0		7.0	32.0		11.4	139.7

2007	9.3	2.0	13.8	26.4	13.2	26.0	4.5	11.5	2.8	18.0	36.1	38.8	202.4
2008	13.4	14.2	20.5	41.0	19.0	12.0	10.4	20.0	8.0	9.8	34.4	8.2	210.9
2009	10.2	40.0	18.2	18.7	33.8	22.2	13.0	5.5	2.5	18.2	19.2	3.5	205.0
2010	7.6	9.8	8.2	22.0	34.5	18.2	10.0	12.0	18.8	17.0	24.2	31.5	213.8
2011	5.6	20.6	12.5	27.4	25.5	7.3	9.8	7.1	19.6	32.2	19.3	30.4	217.3
2012	4.8	19.9											24.7
2013	12.1	7.2	28.5	11.4	11.6	7.0							77.8

MEDIOS	5.4	11.0	13.4	17.9	17.2	12.7	10.3	10.1	13.5	18.5	17.1	12.1	133.6
MAXIMOS	13.4	40.0	30.1	41.0	47.5	28.2	27.3	25.6	33.3	40.3	36.1	38.8	235.6
MINIMOS	0.0	0.1	1.0	0.4	3.6	3.7	0.0	1.7	2.5	4.8	0.0	0.0	24.1

VALORES MENSUALES DE PRECIPITACION TOTAL (mm)

ESTACION	BOJACA
CODIGO	21200750

LATITUD	4.733	TIPO	CON	ESTADO	ACT	DEPARTAMENTO	CUNDINAMARCA
LONGITUD	-74.333	CLASE	MET	ENTIDAD	CAR	MUNICIPIO	BOJACA
ALTURA (msnm)	2603	CATEGORIA	PM			CORRIENTE	BOJACA

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1970	15.2	11.5	15.0	27.3	59.5	79.5	33.0	36.3	29.5	71.3	100.5	12.5	491.1
1971	37.5	38.0	72.1	51.1	96.2	33.5	40.6	39.3	88.1	76.4	42.6	55.6	671.0
1972	52.6	38.2	49.6	136.9	115.9	54.4	36.5	47.7	36.8	43.0	73.0	30.6	715.2
1973	4.7	1.4	55.3	49.8	52.6	36.1	61.6	53.2	119.6	57.3	99.7	50.9	642.2
1974	55.3	34.0	77.2	71.2	39.1	25.0	8.7	44.0	57.5	67.5	82.1	11.4	573.0
1975	6.9	30.9	60.3	21.9	80.9	70.3	65.2	49.5	56.8	91.9	59.4	75.0	669.0
1976	15.4	44.8	75.1	79.4	93.7	68.6	17.0	6.5	63.4	89.5	70.1	35.0	658.5
1977	23.2	23.0	54.4	57.3	32.3	41.1	34.0	31.8	65.0	150.5	98.5	6.0	617.1
1978	0.0	23.0	79.0	71.0	75.0	55.0	22.0	5.5	21.5	86.0	66.0	17.0	521.0
1979	18.0	4.0	37.0	86.0	89.5	72.8	41.0	57.5	82.0	189.0	95.5	44.0	816.3
1980	20.0	40.5	18.0	48.5	41.5	94.5	12.5	19.5	42.5	57.5	35.5	24.5	455.0
1981	3.5	34.0	43.5	117.0	91.0	60.0	23.0	46.0	21.0	62.0	51.0	19.0	571.0
1982	15.0	48.5	83.0	108.0	33.0	43.0	23.5	14.5	22.0	64.5	90.5	20.0	565.5
1983	7.0	5.5	62.0	137.0	101.0	16.0	16.0	15.5	19.0	61.5	31.0	35.0	506.5
1984	62.0	23.0	18.5	64.0	100.0	94.5	49.0	88.0	72.0	55.0	59.0	29.0	714.0
1985	9.5	20.0	64.0	72.5	105.6	24.0	10.5	39.0	20.1	49.0	81.5	8.0	503.7
1986	12.0	75.0	21.0	30.0	89.0	91.0	15.0	38.5	24.5	194.0	110.0	16.0	716.0
1987	21.0	11.8	11.9	35.0	72.0	8.0	20.5	14.5	67.0	183.0	26.0	4.5	475.2
1988	3.5	28.0	11.5	33.0	38.0	60.0	50.5	28.5	36.5	93.0	54.0	67.5	504.0
1989	26.0	24.0	18.0	10.0	97.0	17.0	14.0	55.0	30.5	60.0	25.0	11.0	387.5
1990	33.5	63.0	34.0	93.5	48.0	55.0	28.0	8.2	42.0	77.0	71.0	111.5	664.7
1991	11.0	12.0	100.0	65.5	77.0	24.5	15.0	18.5	61.5	46.5	79.0	2.0	512.5
1992	8.6	28.5	15.0	48.0	10.5	2.0	18.5	23.5	40.0	14.5	57.5	21.5	288.1
1993	37.0	54.5	29.5	44.0	85.5	13.0	47.0	30.0	53.0	43.0	75.5	12.0	524.0
1994	48.5	69.0	57.0	107.0	32.0	40.5	11.0	18.0	42.5	139.5	69.0	23.0	667.0
1995	10.0	50.0	52.0	68.0	70.0	29.0	50.0	67.3	8.0	68.0	62.0	23.0	557.3
1996	50.0	28.0	43.0	27.5	86.0	45.5	32.0	25.0	46.5	84.5	67.5	64.0	599.5
1997	47.0	7.2	30.5	72.5	39.6	39.3	21.3	5.5	7.9	88.3	12.2	3.4	374.7
1998	2.0	18.0	75.6	54.7	33.2	41.3	29.3	28.1	70.9	146.2	55.2	39.0	593.5
1999	54.9	40.1	42.0	148.0	40.5	48.0	28.5	32.0	61.0	159.0	100.0	88.2	842.2
2000	6.0	38.0	55.0	37.5	70.5	58.0	25.0	49.0	60.0	38.0	11.0	8.0	456.0
2001	15.5	55.5	7.0	89.0	89.0	34.5	11.0	14.5	46.5	108.0	31.0	52.0	553.5

2002	7.5	7.0	28.5	135.5	88.0	91.0	40.5	11.5	34.0	60.5	21.5	26.0	551.5
2003	3.5	15.5	38.5	85.0	16.5	2.0	50.5	22.5	45.0	133.0	104.0	27.0	543.0
2004	16.5	58.0	69.0	126.5	73.5	24.5	35.5	13.5	54.0	99.0	84.0	36.0	690.0
2005	46.0	17.5	24.0	67.0	102.5	22.0	13.5	24.2	49.0	107.0	59.0	40.1	571.8
2006	27.0	9.0	37.5	142.0	110.0	84.5	14.5	43.0	16.0	73.0	39.0	9.0	604.5
2007	13.0	2.5	60.0	90.5	58.5	68.0	12.5	22.5	24.0	70.0	68.5	62.5	552.5
2008	44.0	43.0	28.0	46.5	88.5	64.0	54.0	65.4	19.0	71.5	116.5	640.4	640.4
2009	27.0	49.5	82.8	63.0	69.5	41.0	26.0	9.5	16.5	95.0	65.5	19.0	564.3
2010	6.5	13.2	25.5	136.0	118.4	58.0	71.0	48.5	84.0	55.0	117.6	81.0	814.7
2011	9.0	37.0	154.0	140.1	129.0	36.0	16.0	22.0	43.0	54.5	74.5	21.0	736.1
2012	13.5	48.7	49.5	108.8	21.0	22.6	8.0	12.5	21.0	18.0	14.0	8.2	345.8
2013	12.7	10.0	47.0	55.0	71.5	19.5	27.0	18.0	17.0	41.3	83.0	7.5	409.5
2014	7.5	23.5	22.3	50.0	83.1	56.0	5.5	11.5	16.0	66.0	65.0	46.0	452.4
2015	14.1	33.0	35.5	30.9	11.7	15.0	31.0	5.0	16.0	66.0	65.0	46.0	176.2
MEDIOS	21.31	30.22	47.15	74.76	70.14	45.20	28.61	29.99	43.41	83.51	65.64	31.90	566.27
MAXIMOS	62.00	75.00	154.00	148.00	129.00	94.50	71.00	88.00	119.60	194.00	117.60	111.50	842.20
MÍNIMOS	0.00	1.40	7.00	10.00	10.50	2.00	5.50	5.00	7.90	14.50	11.00	2.00	176.20

VALORES MENSUALES DE PRECIPITACION TOTAL (mm)

ESTACION TISQUESUSA
CODIGO 21206310

LATITUD 4.8167 CUNDINAMARCA
LONGITUD -74.3167 FACATATIVA
ALTURA (msnm) 2570 BOJACÁ
TIPO CON CP
CLASE CON CAR
CATEGORIA MET

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1970	27.3	12.1	23.1	29.9	84.5	73.1	30.0	42.6	67.2	162.3	92.5	26.8	671.4
1971	72.6	55.4	173.8	76.3	118.6	50.1	41.2	67.4	44.4	128.8	97.0	50.1	975.7
1972	70.6	90.2	105.9	133.6	145.9	56.2	38.1	36.7	32.8	42.7	114.2	18.0	884.9
1973	3.0	1.5	60.8	31.5	69.4	72.4	74.6	68.3	108.6	74.2	110.6	65.1	740.0
1974	30.1	46.7	135.3	92.4	60.4	24.2	31.6	41.3	65.9	104.8	106.5	37.8	777.0
1975	2.6	58.2	78.5	61.8	102.1	93.9	95.7	62.9	41.1	84.0	68.0	90.1	838.9
1976	26.6	52.0	120.0	61.9	75.8	59.2	37.8	8.5	38.4	97.7	55.6	40.8	674.3
1977	6.3	17.9	27.9	75.1	54.4	26.0	38.6	66.4	101.3	114.0	102.0	12.1	642.0
1978	7.2	15.9	63.5	150.0	98.0	147.0	18.0	19.0	24.3	56.4	34.9	69.9	704.1
1979	31.6	22.4	63.2	113.0	88.3	65.6	34.5	68.2	81.6	164.9	68.5	29.0	830.8
1980	17.4	25.2	2.6	42.0	51.6	82.4	12.2	44.3	88.2	108.9	67.1	28.3	570.2
1981	32.4	22.0	38.0	153.9	133.4	60.2	44.4	55.9	35.2	90.2	75.4	37.8	778.8
1982	42.7	111.0	131.2	123.2	106.9	45.9	34.5	15.0	42.6	64.4	63.4	68.9	849.7
1983	14.2	8.3	114.8	164.9	88.4	33.7	44.8	22.8	23.5	52.5	36.7	96.1	700.7
1984	27.7	110.0	46.6	78.3	83.5	91.0	40.9	59.8	67.6	96.7	86.8	31.8	820.7
1985	17.8	45.8	24.9	6.9	81.2	39.4	37.3	100.4	80.1	117.6	61.9	16.3	629.6
1986	8.3	110.2	54.6	101.1	87.0	80.9	16.2	18.9	80.2	188.4	104.7	15.3	865.8
1987	24.7	19.6	30.7	52.4	79.1	12.2	78.7	31.8	45.2	89.5	63.3	6.7	533.9
1988	9.5	35.2	27.3	88.0	53.7	90.3	58.0	29.9	52.7	134.0	64.5	116.0	759.1
1989	5.0	33.0	93.7	14.3	66.3	38.6	36.9	22.3	73.0	109.4	30.2	33.2	555.9
1990	29.0	81.9	45.6	91.7	104.0	63.1	14.5	13.3	20.9	96.9	110.8	52.4	724.1
1991	11.7	19.4	109.4	80.2	80.6	17.3	49.1	18.2	38.0	20.7	45.2	32.0	521.8
1992	23.3	19.7	8.3	34.9	43.9	29.8	38.1	19.8	48.6	12.8	60.1	46.4	385.7
1993	43.6	27.2	100.3	86.2	118.0	33.5	19.5	25.6	55.3	46.0	135.2	41.0	731.4
1994	26.5	76.0	107.6	70.3	88.7	49.3	15.1	20.2	51.9	139.9	97.9	4.8	748.2
1995	4.7	43.5	85.2	93.8	66.4	63.4	60.2	108.4	58.7	43.9	53.3	86.4	767.9
1996	35.6	35.9	41.9	41.1	91.0	73.1	39.5	45.0	39.3	111.4	40.6	44.7	639.1
1997	35.8	13.3	42.8	107.4	18.1	38.2	18.4	4.0	10.9	65.7	46.8	12.7	414.1
1998	9.0	32.1	19.8	51.2	110.0	45.5	68.2	27.6	68.9	130.3	82.0	60.7	705.3
1999	49.7	177.8	45.8	66.8	39.3	80.5	31.2	39.0	111.6	102.3	94.0	50.8	888.8
2000	13.2	81.6	72.8	69.8	85.4	80.0	30.5	42.4	113.5	97.8	30.2	22.4	739.7
2001	18.0	5.4	107.0	9.6	12.2	46.2	8.4	19.4	67.4	40.6	36.4	98.0	468.6

2002	5.4	22.6	89.2	121.8	28.0	63.0	11.6	16.8	4.8	108.4	46.2	52.2	570.0
MEDIOS	23.7	46.3	69.5	78.0	79.2	58.3	37.8	38.9	57.1	93.9	72.2	45.3	700.2
MAXIMOS	72.6	177.8	173.8	164.9	145.9	147.0	95.7	108.4	113.5	188.4	135.2	116.0	975.7
MÍNIMOS	2.6	1.5	2.6	6.9	12.2	12.2	8.4	4.0	4.8	12.8	30.2	4.8	385.7

VALORES MENSUALES DE PRECIPITACION TOTAL (mm)

ESTACION	MANJUI
CODIGO	21201740

LATITUD	4.8000	TIPO	CON	ESTADO	ACT	DEPARTAMENTO	CUNDINAMARCA
LONGITUD	-74.3833	CLASE	MET	ENTIDAD	CAR	MUNICIPIO	FACATATIVA
ALTURA (msnm)	3260	CATEGORIA	PM			CORRIENTE	BALSILLAS

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1980	29.0	55.5	24.5	55.0	49.0	59.5	18.5	26.5	38.0	94.5	47.0	41.0	538.0
1982	12.5	80.0	131.5	127.0	54.0	15.0	22.0	5.5	188.3	253.0	450.0	120.5	1459.3
1983	27.5	5.5	306.5	445.5	446.5	178.0	15.5	25.5	126.5	93.0	29.5	205.5	1905.0
1984	58.0	110.0	45.0	94.0	174.5	173.0	119.0	118.0	194.0	114.5	173.0	34.0	1407.0
1985	46.0	43.0	175.0	215.5	175.5	105.0	89.0	102.5	105.5	205.5	114.0	63.0	1439.5
1986	34.0	96.5	86.5	148.5	87.0	123.0	45.0	41.0	80.0	175.0	124.5	17.0	1058.0
1987	38.5	26.0	38.0	57.0	155.6	33.3	17.5	36.1	98.0	239.5	62.0	10.2	811.7
1988	9.0	109.0	14.0	81.0	42.0	55.5	78.0	106.0	143.0	88.0	127.0	81.5	934.0
1989	67.0	76.0	160.0	21.0	90.0	19.0	11.0	12.0	21.0	44.0	29.5	9.5	560.0
1990	40.5	55.0	33.5	47.0	92.5	46.0	24.0	21.5	45.8	104.6	21.0	4.0	535.4
1991	10.0	5.0	188.0	69.0	91.0	14.0	45.0	53.0	53.0	58.0	104.0	30.0	720.0
1992	58.0	35.1	55.0	36.0	7.0	38.0	29.0	31.5	39.5	33.0	88.2	41.6	491.9
1993	36.7	48.5	52.8	62.1	80.9	16.8	37.2	27.0	78.2	102.4	122.2	25.5	690.3
1994	40.8	28.6	48.6	8.6	8.4	9.2	17.4	12.3	12.2	97.3	36.5	8.0	327.9
1995	8.0	108.0	135.0	57.0	39.5	16.6	45.8	121.4	0.0	33.6	0.8	99.6	665.3
1996	49.7	26.8	61.9	3.1	57.0	51.1	60.0	29.8	0.4	46.4	22.6	31.9	440.7
1997	38.5	14.7	32.6	26.2	43.2	49.0	24.1	8.4	61.0	30.2	79.7	0.0	407.6
1998	7.3	64.9	46.7	24.9	46.8	10.3	99.3	82.3	73.6	94.4	94.5	37.2	682.2
1999	28.7	75.5	76.6	124.0	43.3	60.5	22.0	61.0	64.0	162.0	116.7	131.6	965.9
2000	35.0	60.5	93.5	51.0	88.5	27.5	41.5	50.0	153.0	59.0	56.0	20.0	735.5
2001	18.1	41.7	40.0	9.5	173.0	53.5	12.0	38.0	40.0	62.0	114.0	128.5	730.3
2002	10.5	30.5	61.5	210.5	79.0	87.0	33.0	20.5	48.5	123.0	45.0	63.0	812.0
2003	2.5	56.2	84.0	120.0	30.0	4.0	53.4	48.3	69.4	165.9	113.0	62.5	809.2
2004	19.2	76.3	49.2	154.5	116.8	41.1	38.4	31.0	128.0	132.0	120.0	18.4	924.9
2005	93.2	35.3	45.0	83.2	134.8	21.6	24.4	45.7	71.6	281.7	84.2	8.3	929.0
2006	48.7	17.0	144.3	220.5	258.2	89.5	17.0	48.7	45.3	188.5	241.8	124.2	1443.7
2007	13.6	2.3	128.8	155.0	104.0	46.0	31.0	105.0	38.8	215.0	106.9	164.1	1110.5
2008	71.7	63.5	58.1	117.8	158.2	39.0	120.8	158.6	32.9	129.9	271.4	37.1	1259.0
2009	42.8	77.2	111.1	144.4	75.6	121.9	99.1	44.6	30.0	142.5	84.2	3.1	976.5
2010	12.1	9.7	34.8	232.0	147.7	61.6	123.2	27.0	50.1	106.5	144.5	46.5	995.7
2011	17.7	115.5	238.5	295.0	183.5	56.7	74.0	37.8	40.8	37.9	85.0	49.9	1232.3
2012	50.9	23.0	136.5	118.0	59.3	26.7	53.4	82.8	34.3	94.2	65.8	27.9	772.8

2013	17.8	52.1	77.1	79.3	137.7	27.7	27.9	60.3	13.1	93.8	122.4	33.9	743.1
2014	1.4	46.4	31.3	53.9	145.2	96.7	85.2	22.3	73.0	169.6	144.4	50.8	920.2
2015	24.6	13.6	47.0	79.1	78.1	69.6	50.1	28.3					390.4
MEDIOS	32.0	51.0	88.4	109.3	107.2	55.5	48.7	50.6	67.4	119.7	107.1	53.8	880.7
MAXIMOS	93.2	115.5	306.5	445.5	446.5	178.0	123.2	158.6	194.0	281.7	450.0	205.5	1905.0
MÍNIMOS	1.4	2.3	14.0	3.1	7.0	4.0	11.0	5.5	0.0	30.2	0.8	0.0	327.9

VALORES MENSUALES DE PRECIPITACION TOTAL (mm)

ESTACION TACHI
CODIGO 21205960

LATITUD 4.939056 DEPARTAMENTO CUNDINAMARCA
LONGITUD -74.15258 MUNICIPIO SUBACHOQUE
ALTURA (msnm) 2650 CORRIENTE SUBACHOQUE

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1996	80.2	51.3	72.6	63.7	131.3	86.8	103.9	59.4	16.2	122.2	56.2	44.8	888.6
1997	56.6	4.3	53.6	84.2	36.2	58.1	57.6	25.7	23.6	57.8	93.6	66.4	617.7
1998	23.2	73.7	25.9	102.1	159.5	33.9	66.3	51.8	103.9	102.6	30.7	31.8	805.4
1999	60.8	107.0	56.4	107.5	38.1	93.1	27.5	138.2	108.2	187.6	78.1	21.6	1024.1
2000	30.3	62.8	52.8	65.5	49.4	46.6	83.9	61.9	121.2	65.7	30.7	55.2	726.0
2001	23.4	14.7	50.5	4.3	99.2	38.8	17.9	52.8	108.0	38.1	56.9	68.2	572.8
2002	7.4	18.8	97.0	150.1	67.2	59.4	36.2	42.3	48.3	75.8	40.5	70.8	713.8
2003	2.5	27.8	35.0	123.2	42.9	71.6	74.7	19.7	85.4	137.9	110.3	68.1	799.1
2004	13.6	27.5	40.8	97.5	106.7	38.6	38.5	29.4	124.5	147.0	173.8	41.2	879.1
2005	50.4	38.3	22.3	73.2	147.8	126.3	43.3	84.6	86.0	184.0	85.2	49.7	991.1
2006	54.2	15.4	80.7	125.4	172.2	159.0	44.1	40.0	33.6	106.6	106.9	35.3	973.4
2007	33.1	14.5	50.9	186.1	74.7	74.9	48.9	79.6	55.0	130.8	107.3	44.0	899.8
2008	38.1	56.8	102.4	102.9	179.2	75.2	58.4	151.4	76.1	106.9	178.4	6.1	1131.9
2009	49.3	33.8	56.9	36.1	41.2	66.6	27.1	30.5	41.5	80.0	28.2	79.4	570.6
2010	7.8	29.2	41.3	209.0	139.3	80.8	149.0	95.6	72.7	120.3	214.1	83.0	1242.1
2011	46.0	59.6	130.6	226.0	118.4	54.2	53.5	56.3	91.4	160.0	261.6	33.0	1290.6
2012	38.7	41.3	111.8	156.4	90.2	50.8	76.7	67.7	40.8	101.0	62.1	86.6	924.1
2013	6.3	73.1	62.1	137.4	97.8	24.8	38.5	103.9	84.9	63.0	109.6	110.8	912.2
2014	41.8	75.3	59.3	65.5	59.1	30.2	58.7	48.8	57.6	158.4	88.0	32.3	775.1
2015	34.9	59.8	143.5	86.6	20.6	32.8							378.2
MEDIOS	34.9	44.2	67.3	110.1	93.6	65.1	58.1	65.2	72.6	112.9	100.6	54.1	855.8
MAXIMOS	80.2	107.0	143.5	226.0	179.2	159.0	149.0	151.4	124.5	187.6	261.6	110.8	1290.6
MINIMOS	2.5	4.3	22.3	4.3	20.6	24.8	17.9	19.7	16.2	38.1	28.2	6.1	378.2

VALORES MENSUALES DE PRECIPITACION TOTAL (mm)

ESTACION VILLA INES
 CODIGO 21205940

LATITUD	4.834972	TIPO	CON	ESTADO	ACT	DEPARTAMENTO	CUNDINAMARCA
LONGITUD	-74.38397	CLASE	MET	ENTIDAD	IDEAM	MUNICIPIO	FACATATIVA
ALTURA (msnm)	2590	CATEGORIA	CO			CORRIENTE	CHECUA

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1994.0	39.8	46.4	72.8	66.4	60.0	34.4	13.0	23.5	33.8	138.0	69.4	22.5	620.0
1995.0	6.6	49.4	142.8	146.0	84.6	64.0	69.5	118.7	57.0	48.3	83.7	51.8	922.4
1996.0	77.5	35.8	96.4	32.0	84.0	82.6	64.4	48.7	24.0	112.2	60.9	81.2	799.7
1997.0	78.4	20.1	54.9	84.5	36.8	25.4	26.0	2.0	40.7	99.1	121.3	21.4	610.6
1998.0	9.0	59.5	47.6	73.9	85.4	29.1	50.5	24.5	91.3	107.9	82.1	30.7	691.5
1999.0	54.7	116.4	83.1	95.4	49.6	42.7	12.8	36.7	46.8	102.8	145.0	95.3	881.3
2000.0	48.6	53.6	88.3	41.3	51.3	30.7	3.8	32.0	79.2	92.9	53.3	58.9	633.9
2001.0	30.7	25.5	58.0	15.5	100.1	62.4	28.9	24.9	67.1	75.2	99.9	112.0	700.2
2002.0	9.6	12.9	69.7	175.5	101.7	61.3	62.0	21.7	30.9	104.1	36.0	72.7	758.1
2003.0	1.6	87.1	106.1	91.7	27.4	61.5	51.9	51.7	57.6	201.1	152.7	99.4	989.8
2004.0	38.3	64.9	52.7	159.4	133.8	55.0	36.2	20.7	77.2	172.0	154.8	42.0	1007.0
2005.0	82.3	63.6	49.9	51.5	142.5	14.1	49.2	44.2	92.6	146.0	78.4	16.5	830.8
2006.0	29.5	16.6	151.6	229.8	188.0	94.6	31.1	33.5	35.0	161.9	130.1	27.7	1129.4
2007.0	13.0	10.8	76.1	127.9	47.9	75.5	25.6	80.4	23.9	179.5	91.2	147.9	899.7
2008.0	68.2	59.1	91.8	157.0	142.2	44.3	81.5	105.6	27.2	116.9	245.6	52.3	1191.7
2009.0	42.6	66.6	86.2	102.5	55.2	75.6	52.6	30.8	15.4	116.6	85.1	5.3	734.4
2010.0	6.2	34.2	21.5	115.9	124.0	76.6	118.8	25.8	60.5	91.8	183.4	99.0	957.7
2011.0	22.5	50.0	133.0	183.8	145.8	41.0	44.4	23.4	29.2	120.7	124.3	61.6	979.7
2013.0	42.4	72.8	88.3	93.7	118.8	23.8	14.1	57.8	17.8	89.7	164.7	67.9	851.8

MEDIOS	36.9	49.8	82.7	107.6	93.6	52.4	44.0	42.4	47.7	119.8	113.8	61.4	852.1
MAXIMOS	82.3	116.4	151.6	229.8	188.0	94.6	118.8	118.7	92.6	201.1	245.6	147.9	1191.7
MINIMOS	1.6	10.8	21.5	15.5	27.4	14.1	3.8	2.0	15.4	48.3	36.0	5.3	610.6

VALORES MENSUALES DE PRECIPITACION TOTAL (mm)

ESTACION CORAZON EL
CODIGO 21201070

LATITUD 4.866667 CUNDINAMARCA
LONGITUD -74.26667 FACATATIVA
ALTURA (msnm) 2580 BALSILLAS
TIPO CON DEPARTAMENTO
CLASE MET MUNICIPIO
CATEGORIA PM CORRIENTE

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1975	10.0	112.0	124.0	59.0	162.0	39.0	86.0	49.0	69.0	90.0	128.0	97.0	1025.0
1976	45.0	92.0	114.0	130.0	150.0	66.0	38.0	9.0	49.0	154.0	62.0	32.0	941.0
1977	6.0	19.0	92.0	85.0	67.0	64.0	41.0	84.0	80.0	129.0	62.0	30.0	759.0
1978	13.0	36.0	171.0	120.0	48.0	67.0	38.0	43.0	32.0	165.0	73.0	41.0	847.0
1979	59.0	13.0	81.0	153.0	34.0	93.0	37.0	59.0	141.0	207.0	190.0	79.0	1146.0
1980	43.0	105.0	38.0	66.0	119.0	57.0	30.0	61.0	111.0	66.6	59.9	61.7	818.2
1981	9.6	143.5	73.2	153.4	139.7	96.6	27.7	71.2	22.1	197.9	30.8	30.7	996.4
1982	53.2	126.2	121.1	107.2	128.1	34.0	35.3	4.4	61.7	104.5	101.3	92.7	969.7
1983	27.7	50.5	56.3	228.4	66.5	22.7	25.4	28.4	45.2	124.4	15.2	78.1	768.8
1984	85.6	7.8	21.5	78.7	134.6	75.2	48.8	97.4	80.0	35.6	86.8	32.2	784.2
1985	32.2	63.4	33.4	50.1	66.1	24.7	32.3	83.2	129.1	176.0	178.1	18.2	886.8
1986	33.4	82.0	37.8	91.9	22.7	28.6	4.7	33.6	60.0	238.3	171.1	19.6	823.7
1987	21.8	11.3	51.4	78.4	80.9	9.3	67.6	24.1	62.8	99.0	140.8	2.2	649.6
1988	32.7	54.9	135.7	73.2	84.1	19.7	75.6	109.7	51.1	10.5	87.3	56.7	791.2
1989	23.4	6.8	141.3	10.0	43.5	37.9	41.1	65.4	9.9	37.5	22.3	20.1	459.2
1990	18.1	120.8	22.9	68.8	14.2	23.8	30.9	38.9	27.1	85.0	20.9	137.4	608.8
1991	39.3	123.9	137.0	136.3	89.6	22.0	59.7	14.2	35.5	17.0	89.2	53.3	817.0
1992	7.1	32.0	11.8	68.5	46.6	33.5	52.6	49.5	19.6	26.4	53.3	23.1	424.0
1993	16.7	71.2	79.3	36.3	74.5	18.5	30.4	23.8	72.1	23.5	79.3	21.2	546.8
1994	40.6	49.6	35.5	68.1	88.0	41.4	39.9	31.7	29.3	110.5	96.0	32.7	663.3
1995	6.4	86.9	182.5	85.4	139.3	118.4	94.2	123.1	35.8	69.4	66.8	64.5	1072.7
1996	110.3	74.7	155.4	102.5	152.9	103.2	61.2	61.7	24.5	142.2	90.7	65.0	1144.3
1997	91.6	19.0	109.0	92.0	61.5	78.5	29.5	6.4	28.4	67.8	70.2	5.6	659.5
1998	18.7	37.2	57.2	86.9	112.5	51.1	59.3	46.1	62.9	121.4	84.2	41.9	779.4
1999	64.3	149.7	79.4	131.3	75.6	98.6	19.0	87.8	114.8	86.4	176.4	95.7	1179.0
2000	62.2	114.5	55.1	55.7	43.4	34.1	47.3	47.6	107.7	114.3	66.3	48.2	796.4
2001	42.2	34.1	73.0	24.0	101.9	38.5	25.4	24.8	71.5	81.4	96.1	119.7	732.6
2002	13.1	31.1	123.2	161.8	88.1	63.6	12.8	7.9	34.1	73.6	64.0	28.7	702.0
2003	4.2	63.8	84.2	93.6	37.5	63.2	30.4	66.8	56.7	146.6	152.3	87.5	886.8
2004	71.8	75.9	176.9	126.1	115.6	32.2	75.7	13.7	98.8	126.4	137.0	41.7	1091.8
2005	113.1	57.8	2.4	67.0	157.9	26.6	18.8	59.5	61.8	157.0	95.8	15.6	833.3
2006	38.0	36.7	198.4	190.0	139.7	119.1	31.4	24.8	28.6	116.3	125.5	36.5	1085.0

2007	21.7	6.0	82.6	80.0	78.5	97.7	25.2	108.2	28.3	159.7	137.8	110.1	935.8
2008	77.8	56.4	135.5	123.9	161.9	56.3	63.7	89.8	55.7	157.2	189.6	68.1	1235.9
2009	43.0	62.3	133.3	90.9	75.6	60.9	25.6	28.1	26.4	99.0	137.0	5.4	787.5
2010	9.6	30.2	26.1	154.7	192.3	92.5	171.5	73.6	97.7	91.1	204.4	119.1	1262.8
2011	30.3	67.8	151.9	200.9	162.8	116.6	44.5	69.2	34.6	230.1	187.2	80.4	1376.3
2012	109.9	57.7	101.6	98.7	70.7	32.4	56.2	24.3	37.8	91.3	68.7	35.9	785.2
2013	66.9	113.1	153.4	97.0	121.2	41.3	14.8	90.1	16.8	87.2	141.4	117.0	1060.2
2014	92.4	67.2	101.6	59.8	92.3	52.4	56.4	28.3	28.6	148.1	106.8	50.6	884.5

MEDIOS	42.6	64.1	94.0	99.6	96.0	56.3	45.1	51.6	56.0	111.6	103.6	54.9	875.4
MAXIMOS	113.1	149.7	198.4	228.4	192.3	119.1	171.5	123.1	141.0	238.3	204.4	137.4	1376.3
MINIMOS	4.2	6.0	2.4	10.0	14.2	9.3	4.7	4.4	9.9	10.5	15.2	2.2	424.0

VALORES MENSUALES DE PRECIPITACION TOTAL (mm)

ESTACION TIBAR EL
 CODIGO 21201270

LATITUD	4.816667	TIPO	CON	ESTADO	SUS	DEPARTAMENTO	CUNDINAMARCA
LONGITUD	-74.233333	CLASE	MET	ENTIDAD	IDEAM	MUNICIPIO	MADRID
ALTURA (msnm)	2550	CATEGORIA	PM			CORRIENTE	SUBACHOQUE

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1981	28.8	18.8	65.9	170.7	150.7	89.2	41.7	53.8	47.1	127.8	39.1	46.8	880.4
1982	25.1	139.2	67.8	159.4	96.6	28.0	16.6	9.8	74.4	132.1	74.8	73.5	897.3
1983	23.3	11.9	153.0	262.6	83.7	55.2	33.6	16.8	23.8	84.3	38.3	79.3	865.8
1984	77.1	101.0	35.4	95.8	82.0	96.7	34.6	60.7	96.6	108.3	113.3	21.6	923.1
1985	9.8	8.4	60.7	23.9	114.7	60.0	3.9	81.9	105.0	60.0	66.0	49.6	643.9
1986	13.0	80.1	33.8	107.5	33.5	98.5	32.5	26.6	66.4	249.1	152.4	19.8	913.2
1987	9.0	12.0	41.1	80.0	86.3	12.1	89.9	32.4	51.0	135.5	46.7	3.0	599.0
1988	26.0	28.0	19.0	83.4	67.3	125.6	68.3	64.5	80.6	129.7	181.4	105.7	979.5
1989	11.2	71.0	117.4	88.0	101.4	47.4	45.3	25.0	66.6	66.8	41.5	30.0	711.6
1990	61.6	78.7	42.6	123.8	102.8	22.9	30.3	25.3	45.6	175.0	175.0	81.6	965.2
1991	5.7	11.7	156.3	187.9	82.2	25.5	56.4	26.3	53.5	41.6	74.8	33.1	755.0
1992	19.3	46.7	10.3	55.4	40.8	15.9	56.2	36.4	47.9	9.2	92.1	60.0	490.2
1993	38.2	36.6	109.7	114.5	120.6	38.4	32.8	22.1	83.6	71.4	188.0	97.4	953.3
1994	29.5	144.6	101.1	114.2	92.9	61.0	15.6	29.2	20.5	91.8	176.8	4.7	881.9
1995	4.3	38.2	117.6	129.1	75.8	76.3	69.0	121.7	54.6	38.6	47.3	121.2	893.7
1996	55.6	41.5	111.3	66.9	119.3	132.9	50.4	54.2	44.4	143.4	57.6	35.5	913.0
1997	32.6	12.3	80.9	72.6	72.8	54.8	40.2	9.5	22.2	60.8	81.3	10.6	550.6
1998	17.3	46.4	51.8	127.6	148.4	48.3	72.7	34.5	111.4	174.2	102.2	114.3	1049.1
1999	45.8	117.3	96.7	94.5	72.1	109.9	39.7	60.2	116.4	161.6	101.7	63.0	1078.9
2000	19.2	188.6	75.2	80.6	91.5	70.7	71.3	75.7	151.2	91.8	27.1	34.9	977.8
2001	56.4	15.6	106.7	11.2	123.8	29.6	44.5	20.4	88.5	38.9	36.4	95.4	667.4
2002	8.8	27.6	138.9	133.2	95.1	69.8	15.3	19.1	50.4	117.8	57.1	45.1	778.2
MEDIOS	28.1	58.0	81.5	108.3	93.4	62.2	43.7	41.2	68.3	105.0	89.6	55.7	834.9
MAXIMOS	77.1	188.6	156.3	262.6	150.7	132.9	89.9	121.7	151.2	249.1	188.0	121.2	1078.9
MINIMOS	4.3	8.4	10.3	11.2	33.5	12.1	3.9	9.5	20.5	9.2	27.1	3.0	490.2

VALORES MENSUALES DE PRECIPITACION TOTAL (mm)

ESTACION CASABLANCA
 CODIGO 21206060

LATITUD 4.717111 ESTADO ACT DEPARTAMENTO CUNDINAMARCA
 LONGITUD -74.25333 ENTIDAD IDEAM MUNICIPIO MADRID
 ALTURA (msnm) 2575 CORRIENTE BALSILLAS

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1991	2.0	8.0	126.0	62.0	128.0	14.0	61.0	32.0	20.0	6.0	54.0	37.0	550.0
1992	6.0	34.0	12.0	32.0	26.0	13.0	24.0	27.0	53.0	23.0	97.0	31.0	378.0
1993	30.0	24.0	36.0	78.0	87.0	30.0	33.0	30.0	54.0	12.0	2.0	16.0	432.0
1994	21.0	17.0	40.0	28.0	40.0	48.0	25.0	19.3	28.0	61.0	48.0	1.9	377.2
1995	4.0	3.0	53.0	15.2	4.0	6.5	68.0	60.0	20.0	40.3	37.0	23.0	334.0
1996	13.0	13.0	55.0	47.0	85.0	59.0	37.0	25.0	8.0	73.0	18.0	24.0	457.0
1997	40.0	18.0	0.0	26.0	52.0	24.0	31.8	6.1	19.0	16.6	39.7	2.2	275.4
1998	8.0	9.1	3.5	24.6	98.5	30.6	50.7	14.5	55.7	72.1	37.7	22.3	427.3
1999	15.2	76.1	60.8	21.5	7.0	43.3	0.0	31.8	47.1	66.0	41.4	32.9	443.1
2000	14.7	3.5	64.9	35.9	50.7	57.7	19.5	42.1	34.3	23.7	7.9	11.6	366.5
2001	14.8	18.8	59.8	16.2	46.7	22.3	22.7	12.3	35.5	16.0	15.8	9.7	290.6
2002	0.9	3.3	28.5	57.2	66.3	37.1	24.2	11.7	25.6	30.7	26.2	28.1	339.8
2003	1.4	8.6	58.4	25.2	21.8	12.0	7.7	2.9	19.0	5.7	4.3	10.0	177.1
2004	0.5	9.4	53.5	16.7	27.9	16.9	37.4	2.5	17.3	31.5	15.5	6.4	235.5
2005	38.8	24.2	36.8	35.7	72.6	42.5	22.2	28.6	48.6	43.0	25.7	22.6	441.4
2006	9.8	6.1	35.3	75.6	132.7	44.0	15.0	19.6	20.0	93.7	56.8	25.0	533.6
2007	14.1	3.0	48.5	98.1	87.0	42.7	20.7	46.0	12.3	112.3	59.0	93.0	636.7
2008	24.0	28.0	41.0	78.7	114.0	25.9	15.0	58.5	24.2	80.5	79.8	22.9	592.5
2009	16.6	38.7	74.8	63.1	47.2	77.0	28.7	19.3	10.0	79.5	36.5	12.5	503.9
2010	8.5	13.5	9.6	153.3	86.7	50.3	46.3	31.7	53.1	59.0	126.8	82.5	721.3
2011	41.6	34.3	119.0	108.6	152.2	34.1	40.6	16.5	51.2	105.3	145.8	38.6	887.8
2012	16.7	26.7	115.4	114.5	24.1	15.6	36.1	29.7	5.5	10.6	43.0	8.1	446.0
2013	5.0	51.1	40.5	47.2	91.1	13.9	17.8	36.8	18.7	66.3	67.6	72.5	528.5
MEDIOS	15.1	20.5	51.0	54.8	67.3	33.1	29.8	26.3	29.6	49.0	47.2	27.6	451.1
MAXIMOS	41.6	76.1	126.0	153.3	152.2	77.0	68.0	60.0	55.7	112.3	145.8	93.0	887.8
MINIMOS	0.5	3.0	0.0	15.2	4.0	6.5	0.0	2.5	5.5	5.7	2.0	1.9	177.1

VALORES MENSUALES DE PRECIPITACION TOTAL (mm)

ESTACION ROBLE EL
 CODIGO 21201550

LATITUD	4.796667	TIPO	CON	ESTADO	ACT	DEPARTAMENTO	CUNDINAMARCA
LONGITUD	-74.22639	CLASE	MET	ENTIDAD	IDEAM	MUNICIPIO	MADRID
ALTURA (msnm)	2560	CATEGORIA	PM			CORRIENTE	BOGOTÁ

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1986	19.2	107.9	39.0	111.4	129.3	86.0	22.6	33.7	71.6	179.4	141.0	28.1	969.2
1987	23.6	10.2	20.6	72.1	133.1	10.8	75.9	34.3	39.9	163.4	48.8	3.2	635.9
1988	23.0	35.8	24.0	96.5	49.5	104.7	67.5	61.1	70.0	131.5	163.9	80.6	908.1
1989	14.6	53.8	100.0	49.1	73.4	44.9	42.8	29.4	72.0	65.7	34.5	55.0	635.2
1990	55.0	91.0	30.5	95.2	89.4	18.2	31.0	17.0	43.0	111.6	167.7	58.7	808.3
1991	6.6	21.2	129.6	173.2	70.5	17.7	48.1	21.4	41.8	40.9	113.0	32.9	716.9
1992	25.1	44.7	9.5	57.3	60.6	19.8	43.7	29.7	49.5	7.2	97.9	81.0	526.1
1993	29.1	45.2	80.1	94.0	114.9	37.4	31.9	17.3	76.8	60.0	178.4	52.2	817.3
1994	29.2	136.2	111.7	95.2	81.8	45.4	21.3	40.0	21.7	80.5	151.5	3.2	817.7
1995	5.3	37.5	94.7	100.7	76.2	68.0	54.8	119.0	57.6	49.4	52.9	104.6	820.7
1996	47.2	43.7	101.0	51.2	98.7	91.5	57.5	55.1	47.6	154.1	50.5	55.7	853.8
1997	46.8	12.4	69.7	58.7	66.1	50.0	28.8	8.6	13.4	60.7	48.5	11.6	475.3
1998	12.1	42.3	46.6	75.6	144.0	49.1	75.0	43.7	81.4	164.0	83.4	66.3	883.5
1999	55.1	107.2	65.7	54.8	89.4	88.3	28.3	59.2	82.0	134.3	74.1	72.9	911.3
2000	22.4	95.8	44.1	49.0	73.0	66.9	71.5	72.2	137.8	80.2	26.9	21.0	760.8
2001	32.4	9.5	89.0	8.3	139.1	30.7	40.7	17.5	82.4	24.6	20.5	89.9	584.6
2002	3.0	15.8	121.0	160.5	83.3	62.0	13.7	18.3	57.4	117.3	43.9	33.1	729.3
2003	14.8	14.8	88.9	114.9	38.3	81.1	34.0	39.2	48.6	122.1	90.6	49.8	748.8
2004	49.8	58.8	72.3	158.6	92.7	47.1	46.2	22.4	84.5	67.7	33.3	19.9	753.3
2005	8.5	39.9	50.3	64.9	92.5	112.3	15.3	31.4	44.7	104.3	79.2	13.4	656.7
2006	34.4	28.9	167.8	236.1	242.8	84.5	24.8	24.7	31.8	161.9	93.1	0.6	1131.4
2007	33.6	12.6	55.7	129.4	85.1	78.7	36.7	73.7	23.3	146.0	74.8	84.3	833.9
2008	31.3	55.2	93.6	100.2	116.6	109.4	95.7	80.6	41.4	133.6	146.8	60.0	1064.4
2009	38.4	64.4	180.8	93.1	42.1	97.9	48.3	27.1	22.2	131.0	122.7	10.8	878.7
2010	16.2	34.7	27.0	140.6	154.5	107.8	217.8	79.6	76.6	90.4	208.6	111.4	1265.2
2011	41.2	70.5	127.5	240.9	166.5	115.0	57.3	45.1	108.0	206.1	175.0	85.0	1438.1
2012	34.0	34.5	118.6	104.4	89.1	47.4	65.8	42.0	39.0	117.2	37.0	29.1	758.1
2013	21.0	39.5	76.7	111.1	120.8	24.0	27.9	58.6	23.6	110.6	101.2	88.8	803.7
2014	14.7	56.9	134.1	71.3	87.4	40.0	38.8	39.7	25.3	169.5	66.3	12.1	756.2
MEDIOS	27.6	49.0	81.7	102.4	100.0	63.3	50.5	42.8	55.7	109.8	94.0	48.8	825.6
MAXIMOS	55.1	136.2	180.8	240.9	242.8	115.0	217.8	119.0	137.8	206.1	208.6	111.4	1438.1

MÍNIMOS 3.0 9.5 9.5 8.3 38.3 10.8 13.7 8.6 13.4 7.2 20.5 0.6 475.3

VALORES MENSUALES DE PRECIPITACION TOTAL (mm)

ESTACION BASE AEREA MADRID
 CODIGO 21205770

LATITUD 4.728806 DEPARTAMENTO CUNDINAMARCA
 LONGITUD -74.2725 MUNICIPIO MADRID
 ALTURA (msnm) 2550 CORRIENTE BOGOTÁ

ANO	ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV	DIC	ANUAL
1979	19.0	3.3	52.2	90.0	57.7	60.9	26.4	45.7	102.8	143.4	95.6	9.7	706.7
1980	12.6	59.8	2.1	56.5	31.2	83.2	16.8	62.9	34.1	55.6	68.7	20.3	503.8
1981	1.6	18.4	16.0	209.8	123.6	43.4	50.2	33.3	43.1	76.5	110.5	21.3	747.7
1982	47.7	60.7	72.4	110.9	56.9	26.7	12.0	22.7	31.0	83.8	75.8	25.3	625.9
1983	4.2	21.5	49.3	153.6	73.3	20.4	45.2	29.5	19.9	50.1	41.1	65.1	573.2
1984	30.8	81.1	25.9	60.3	74.2	94.7	36.9	67.2	70.9	69.5	131.2	47.3	790.0
1985	8.5	7.8	37.4	50.6	119.6	22.7	30.9	82.8	52.2	76.3	52.9	15.0	556.7
1986	28.8	75.8	35.3	63.9	84.2	81.2	42.1	18.5	49.3	178.0	114.2	15.4	786.7
1987	16.1	13.3	10.2	37.3	134.2	26.9	47.5	22.6	22.2	49.3	30.3	2.6	412.4
1988	0.6	38.2	11.3	49.7	26.2	77.5	61.4	49.2	87.6	68.0	90.1	36.1	596.0
1989	2.1	26.9	71.0	7.7	16.9	22.9	52.2	35.7	27.5	87.4	23.8	7.4	381.5
1990	20.8	12.4	16.6	85.6	65.2	26.3	29.5	9.1	26.2	78.2	41.0	28.5	439.4
1991	2.7	12.8	82.0	45.7	43.7	12.8	47.7	9.6	23.6	13.6	36.5	17.5	348.2
1992	9.3	0.9	3.9	23.6	28.4	11.0	16.2	20.4	92.7	16.3	71.0	15.7	309.4
1993	25.7	40.9	47.9	123.3	52.4	21.7	35.6	32.5	49.9	30.1	73.2	12.3	545.4
1994	23.4	60.7	73.2	62.8	42.8	42.6	97.3	19.6	121.4	76.9	50.9	2.2	673.8
1995	2.1	26.3	42.3	69.3	32.3	45.1	63.4	60.1	30.8	37.4	54.6	86.2	549.9
1996	24.4	28.1	50.3	46.6	81.4	13.0	30.0	36.8	34.8	90.9	8.0	19.6	463.9
1997	19.7	19.2	33.8	37.1	48.9	41.6	32.1	3.2	13.7	47.2	25.2	4.7	326.5
1998	5.2	17.5	2.4	60.1	71.7	35.5	62.8	35.9	73.4	94.8	19.4	14.1	492.8
1999	16.0	70.6	41.2	22.0	35.6	111.1	8.4	38.5	83.6	71.9	45.8	31.9	576.6
2000	15.5	37.5	31.0	42.2	57.0	53.0	24.3	54.8	73.9	17.9	17.1	15.2	439.4
2001	19.4	6.4	34.7	0.4	31.3	34.4	26.8	21.5	15.2	26.0	26.4	76.5	319.0
2002	0.9	1.4	86.2	62.1	42.7	38.6	27.7	14.9	38.6	62.2	59.3	35.3	469.9
2003	6.0	17.3	52.9	63.7	19.3	53.6	25.7	34.8	18.4	69.3	63.6	25.0	449.6
2004	8.3	36.6	68.8	117.0	234.7	96.1	63.8	34.7	61.2	158.2	130.2	1.5	1011.1
2005	20.0	49.7	36.9	51.0	89.8	42.6	20.6	53.2	56.7	126.0	68.1	57.7	672.3
2006	19.3	0.1	92.6	154.5	110.7	90.1	22.2	35.6	19.3	109.1	65.6	19.0	738.1
2007	22.9	2.9	46.9	100.0	66.0	64.2	15.0	58.3	9.8	138.1	88.4	117.3	729.8
2008	28.5	47.7	51.1	114.4	127.8	78.2	51.2	90.3	28.8	75.5	154.4	28.3	876.2
2009	39.4	79.0	79.9	77.5	71.5	80.7	57.6	23.7	3.1	83.4	62.7	3.9	662.4
2010	7.6	30.6	16.3	173.1	113.1	79.9	75.6	48.3	55.7	72.4	143.0	127.7	943.3

2011	21.2	70.1	103.7	167.2	124.5	51.1	39.4	26.4	64.2	161.3	132.9	75.6	1037.6
MEDIOS	16.1	32.6	44.8	78.5	72.4	51.0	39.2	37.3	46.5	78.6	68.8	32.8	598.6
MAXIMOS	47.7	81.1	103.7	209.8	234.7	111.1	97.3	90.3	121.4	178.0	154.4	127.7	1037.6
MÍNIMOS	0.6	0.1	2.1	0.4	16.9	11.0	8.4	3.2	3.1	13.6	8.0	1.5	309.4

CURVAS INTENSIDAD - DURACIÓN - FRECUENCIA

ESTACION BOJACA

CODIGO 21200750

Tiempo (min)	Período de Retorno (años)					
	2.33	5	10	20	50	100
10	36.47	42.17	48.10	54.87	65.31	74.50
20	23.24	26.87	30.66	34.97	41.62	47.48
30	17.86	20.65	23.55	26.87	31.98	36.48
40	14.81	17.13	19.54	22.29	26.52	30.26
50	12.81	14.81	16.90	19.28	22.94	26.17
60	11.38	13.16	15.01	17.12	20.38	23.25
70	10.30	11.90	13.58	15.49	18.44	21.03
80	9.44	10.91	12.45	14.20	16.90	19.28
90	8.74	10.11	11.53	13.16	15.66	17.86
100	8.17	9.44	10.77	12.28	14.62	16.68
110	7.67	8.87	10.12	11.55	13.74	15.68
120	7.25	8.39	9.57	10.91	12.99	14.82
130	6.89	7.96	9.08	10.36	12.33	14.06
140	6.56	7.59	8.65	9.87	11.75	13.40
150	6.27	7.25	8.27	9.44	11.23	12.81
160	6.02	6.96	7.93	9.05	10.77	12.29
170	5.78	6.69	7.63	8.70	10.36	11.81
180	5.57	6.44	7.35	8.38	9.98	11.38

CURVAS INTENSIDAD - DURACIÓN - FRECUENCIA

ESTACION TISQUESUSA

CODIGO 21206310

Tiempo (min)	Periodo de Retorno (años)						
	2.33	5	10	20	50	100	
10	36.26	41.92	47.82	54.55	64.92	74.06	
20	23.11	26.71	30.47	34.76	41.37	47.20	
30	17.75	20.52	23.41	26.71	31.79	36.26	
40	14.72	17.02	19.42	22.15	26.37	30.08	
50	12.74	14.73	16.80	19.16	22.81	26.02	
60	11.31	13.08	14.92	17.02	20.26	23.11	
70	10.23	11.83	13.50	15.40	18.33	20.91	
80	9.38	10.85	12.38	14.12	16.80	19.17	
90	8.69	10.05	11.46	13.08	15.56	17.76	
100	8.12	9.38	10.71	12.21	14.53	16.58	
110	7.63	8.82	10.06	11.48	13.66	15.58	
120	7.21	8.34	9.51	10.85	12.91	14.73	
130	6.84	7.91	9.03	10.30	12.26	13.98	
140	6.52	7.54	8.60	9.81	11.68	13.32	
150	6.24	7.21	8.22	9.38	11.17	12.74	
160	5.98	6.91	7.89	9.00	10.71	12.22	
170	5.75	6.65	7.58	8.65	10.29	11.74	
180	5.54	6.40	7.31	8.33	9.92	11.32	

CURVAS INTENSIDAD - DURACIÓN - FRECUENCIA

ESTACION MANJUI

CODIGO 21201740

Tiempo (min)	Periodo de Retorno (años)					
	2.33	5	10	20	50	100
10	43.59	50.40	57.49	65.58	78.05	89.04
20	27.78	32.12	36.64	41.79	49.74	56.74
30	21.34	24.68	28.15	32.11	38.22	43.60
40	17.70	20.47	23.35	26.63	31.70	36.16
50	15.31	17.70	20.20	23.04	27.42	31.28
60	13.60	15.72	17.94	20.46	24.36	27.78
70	12.30	14.23	16.23	18.51	22.03	25.13
80	11.28	13.04	14.88	16.97	20.20	23.04
90	10.45	12.08	13.78	15.72	18.71	21.35
100	9.76	11.28	12.87	14.68	17.47	19.93
110	9.17	10.60	12.10	13.80	16.42	18.74
120	8.67	10.02	11.43	13.04	15.52	17.71
130	8.23	9.51	10.85	12.38	14.73	16.81
140	7.84	9.07	10.34	11.80	14.04	16.02
150	7.50	8.67	9.89	11.28	13.43	15.32
160	7.19	8.31	9.48	10.82	12.87	14.69
170	6.91	7.99	9.12	10.40	12.38	14.12
180	6.66	7.70	8.78	10.02	11.93	13.60

CURVAS INTENSIDAD - DURACIÓN - FRECUENCIA

ESTACION TACHI

CODIGO 21205960

Tiempo (min)	Periodo de Retorno (años)						
	2.33	5	10	20	50	100	
10	44.12	51.00	58.18	66.37	79.00	90.12	
20	28.11	32.50	37.08	42.30	50.34	57.43	
30	21.60	24.97	28.49	32.50	38.68	44.12	
40	17.92	20.71	23.63	26.96	32.08	36.60	
50	15.50	17.92	20.44	23.32	27.75	31.66	
60	13.77	15.92	18.16	20.71	24.65	28.12	
70	12.45	14.40	16.42	18.74	22.30	25.44	
80	11.42	13.20	15.06	17.18	20.45	23.32	
90	10.58	12.23	13.95	15.91	18.94	21.60	
100	9.88	11.42	13.03	14.86	17.69	20.17	
110	9.28	10.73	12.24	13.97	16.62	18.96	
120	8.77	10.14	11.57	13.20	15.71	17.92	
130	8.33	9.63	10.98	12.53	14.91	17.01	
140	7.94	9.18	10.47	11.94	14.21	16.21	
150	7.59	8.77	10.01	11.42	13.59	15.50	
160	7.28	8.41	9.60	10.95	13.03	14.86	
170	7.00	8.09	9.23	10.52	12.53	14.29	
180	6.74	7.79	8.89	10.14	12.07	13.77	

CURVAS INTENSIDAD - DURACIÓN - FRECUENCIA

ESTACION TACHI

CODIGO 21205960

Tiempo (min)	Periodo de Retorno (años)						
	2.33	5	10	20	50	100	
10	42.17	48.75	55.61	63.44	75.51	86.14	
20	26.87	31.07	35.44	40.43	48.12	54.89	
30	20.65	23.87	27.23	31.06	36.97	42.18	
40	17.13	19.80	22.59	25.77	30.67	34.98	
50	14.81	17.13	19.54	22.29	26.53	30.26	
60	13.16	15.21	17.35	19.80	23.56	26.88	
70	11.90	13.76	15.70	17.91	21.31	24.31	
80	10.91	12.62	14.39	16.42	19.54	22.29	
90	10.11	11.69	13.33	15.21	18.10	20.65	
100	9.44	10.91	12.45	14.20	16.90	19.28	
110	8.87	10.26	11.70	13.35	15.89	18.13	
120	8.39	9.69	11.06	12.62	15.01	17.13	
130	7.96	9.20	10.50	11.98	14.25	16.26	
140	7.59	8.77	10.00	11.41	13.58	15.50	
150	7.25	8.39	9.57	10.91	12.99	14.82	
160	6.96	8.04	9.17	10.46	12.45	14.21	
170	6.69	7.73	8.82	10.06	11.97	13.66	
180	6.44	7.45	8.50	9.69	11.54	13.16	

CURVAS INTENSIDAD - DURACIÓN - FRECUENCIA

ESTACION **CORAZON EL**

CODIGO **21201070**

Tiempo (min)	Periodo de Retorno (años)						
	2.33	5	10	20	50	100	
10	48.37	55.92	63.79	72.77	86.61	98.80	
20	30.83	35.64	40.65	46.38	55.20	62.97	
30	23.68	27.38	31.24	35.63	42.41	48.38	
40	19.64	22.71	25.91	29.56	35.18	40.13	
50	16.99	19.64	22.41	25.56	30.43	34.71	
60	15.09	17.45	19.91	22.71	27.03	30.83	
70	13.65	15.79	18.01	20.54	24.45	27.89	
80	12.52	14.47	16.51	18.83	22.42	25.57	
90	11.60	13.41	15.29	17.45	20.76	23.69	
100	10.83	12.52	14.28	16.29	19.39	22.12	
110	10.18	11.77	13.42	15.31	18.23	20.79	
120	9.62	11.12	12.69	14.47	17.22	19.65	
130	9.13	10.56	12.04	13.74	16.35	18.65	
140	8.70	10.06	11.48	13.09	15.58	17.77	
150	8.32	9.62	10.97	12.52	14.90	16.99	
160	7.98	9.22	10.52	12.00	14.29	16.30	
170	7.67	8.87	10.12	11.54	13.73	15.67	
180	7.39	8.54	9.75	11.12	13.23	15.10	

CURVAS INTENSIDAD - DURACIÓN - FRECUENCIA

ESTACION TIBAR EL

CODIGO 21201270

Tiempo (min)	Periodo de Retorno (años)						
	2.33	5	10	20	50	100	
10	43.28	50.04	57.08	65.11	77.50	88.41	
20	27.58	31.89	36.38	41.50	49.39	56.34	
30	21.19	24.50	27.95	31.88	37.94	43.29	
40	17.58	20.32	23.18	26.44	31.47	35.90	
50	15.20	17.58	20.05	22.87	27.22	31.06	
60	13.50	15.61	17.81	20.32	24.18	27.59	
70	12.22	14.12	16.11	18.38	21.88	24.96	
80	11.20	12.95	14.77	16.85	20.06	22.88	
90	10.38	12.00	13.68	15.61	18.58	21.19	
100	9.69	11.20	12.78	14.58	17.35	19.79	
110	9.11	10.53	12.01	13.70	16.31	18.60	
120	8.61	9.95	11.35	12.95	15.41	17.58	
130	8.17	9.45	10.77	12.29	14.63	16.69	
140	7.79	9.00	10.27	11.71	13.94	15.90	
150	7.44	8.61	9.82	11.20	13.33	15.21	
160	7.14	8.25	9.41	10.74	12.78	14.58	
170	6.86	7.93	9.05	10.32	12.29	14.02	
180	6.61	7.64	8.72	9.95	11.84	13.51	

CURVAS INTENSIDAD - DURACIÓN - FRECUENCIA

ESTACION CASABLANCA

CODIGO 21206060

Tiempo (min)	Periodo de Retorno (años)					
	2.33	5	10	20	50	100
10	32.52	37.60	42.90	48.93	58.24	66.44
20	20.73	23.96	27.34	31.18	37.12	42.34
30	15.93	18.41	21.00	23.96	28.52	32.53
40	13.21	15.27	17.42	19.87	23.65	26.98
50	11.43	13.21	15.07	17.19	20.46	23.34
60	10.15	11.73	13.39	15.27	18.17	20.73
70	9.18	10.61	12.11	13.81	16.44	18.75
80	8.42	9.73	11.10	12.67	15.07	17.20
90	7.80	9.02	10.28	11.73	13.96	15.93
100	7.28	8.42	9.60	10.96	13.04	14.87
110	6.84	7.91	9.03	10.30	12.26	13.98
120	6.47	7.48	8.53	9.73	11.58	13.21
130	6.14	7.10	8.10	9.24	10.99	12.54
140	5.85	6.76	7.72	8.80	10.48	11.95
150	5.59	6.47	7.38	8.42	10.02	11.43
160	5.36	6.20	7.08	8.07	9.61	10.96
170	5.16	5.96	6.80	7.76	9.23	10.53
180	4.97	5.75	6.55	7.48	8.90	10.15

CURVAS INTENSIDAD - DURACIÓN - FRECUENCIA

ESTACION ROBLE EL

CODIGO 21201550

Tiempo (min)	Periodo de Retorno (años)						
	2.33	5	10	20	50	100	
10	41.69	48.19	54.98	62.72	74.64	85.15	
20	26.57	30.71	35.04	39.97	47.57	54.27	
30	20.41	23.60	26.92	30.71	36.55	41.69	
40	16.93	19.57	22.33	25.47	30.32	34.58	
50	14.64	16.93	19.31	22.03	26.22	29.91	
60	13.01	15.04	17.16	19.57	23.29	26.57	
70	11.77	13.60	15.52	17.70	21.07	24.04	
80	10.79	12.47	14.23	16.23	19.32	22.04	
90	9.99	11.55	13.18	15.04	17.90	20.41	
100	9.33	10.79	12.31	14.04	16.71	19.06	
110	8.77	10.14	11.57	13.20	15.71	17.92	
120	8.29	9.58	10.93	12.47	14.84	16.93	
130	7.87	9.10	10.38	11.84	14.09	16.07	
140	7.50	8.67	9.89	11.28	13.43	15.32	
150	7.17	8.29	9.46	10.79	12.84	14.65	
160	6.88	7.95	9.07	10.34	12.31	14.04	
170	6.61	7.64	8.72	9.94	11.84	13.50	
180	6.37	7.36	8.40	9.58	11.40	13.01	

CURVAS INTENSIDAD - DURACIÓN - FRECUENCIA

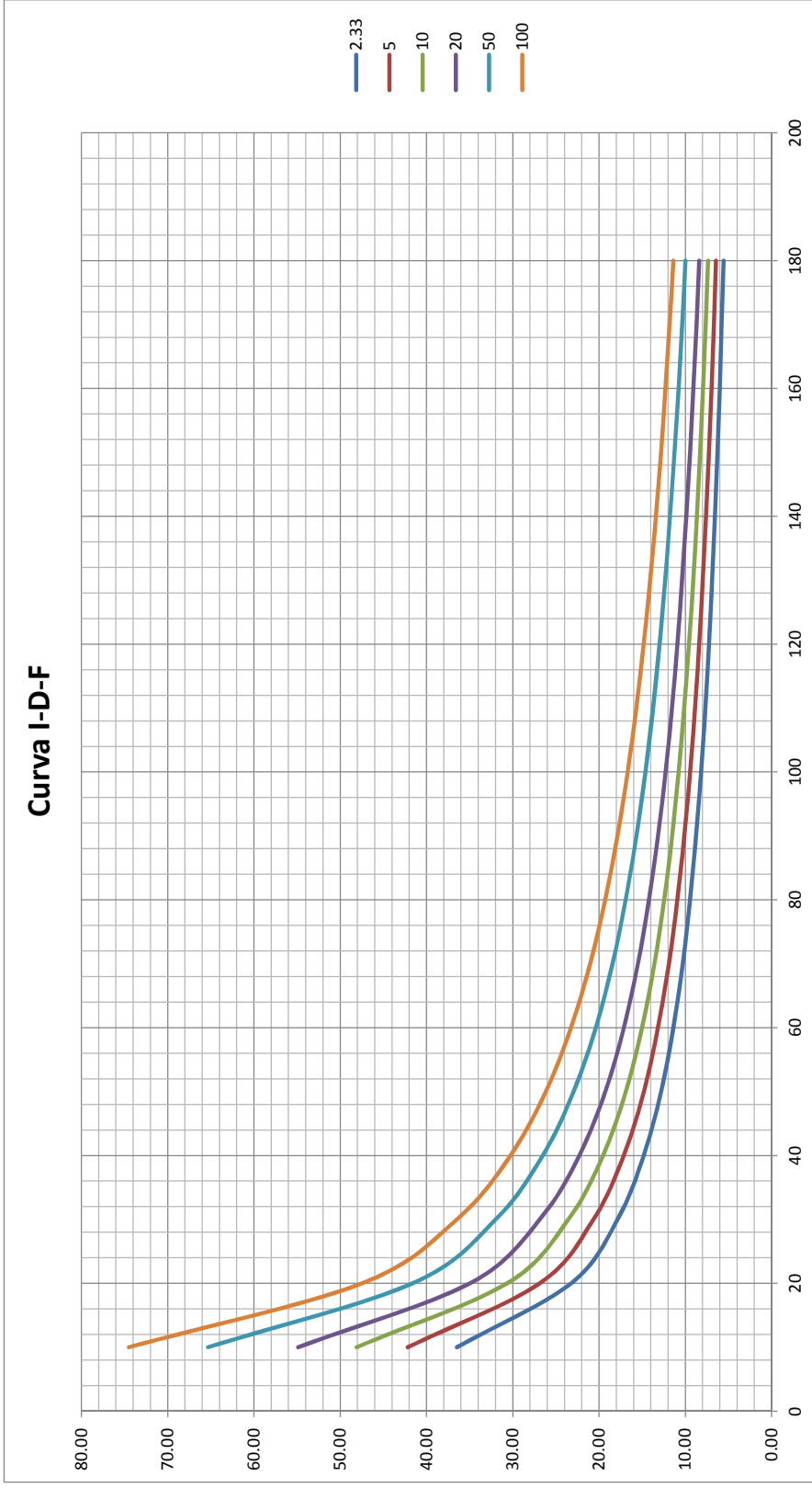
ESTACION BASE AEREA MADRID

CODIGO 21205770

Tiempo (min)	Periodo de Retorno (años)					
	2.33	5	10	20	50	100
10	33.16	38.33	43.73	49.88	59.37	67.73
20	21.13	24.43	27.87	31.79	37.83	43.16
30	16.23	18.77	21.41	24.42	29.07	33.16
40	13.47	15.57	17.76	20.26	24.11	27.51
50	11.65	13.47	15.36	17.52	20.86	23.79
60	10.35	11.96	13.64	15.57	18.53	21.13
70	9.36	10.82	12.34	14.08	16.76	19.12
80	8.58	9.92	11.32	12.91	15.37	17.53
90	7.95	9.19	10.48	11.96	14.23	16.24
100	7.42	8.58	9.79	11.17	13.29	15.16
110	6.98	8.07	9.20	10.50	12.49	14.25
120	6.59	7.62	8.70	9.92	11.81	13.47
130	6.26	7.24	8.25	9.42	11.21	12.78
140	5.96	6.90	7.87	8.97	10.68	12.18
150	5.70	6.59	7.52	8.58	10.21	11.65
160	5.47	6.32	7.21	8.23	9.79	11.17
170	5.26	6.08	6.93	7.91	9.41	10.74
180	5.07	5.86	6.68	7.62	9.07	10.35

ESTACION BOJACA

CODIGO 21200750

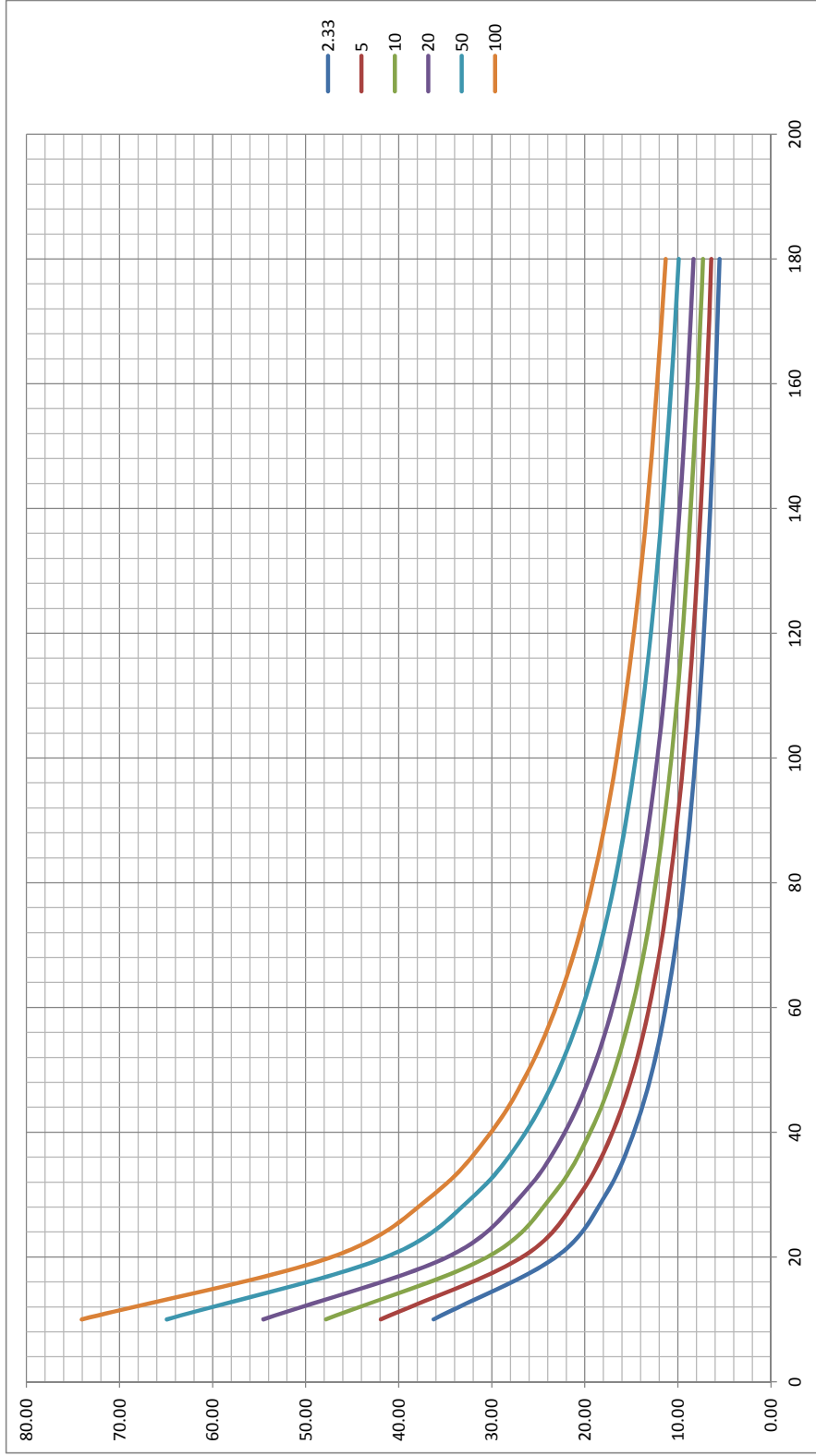


Parametros

Ec. 12	a	b	C	D	e	f	g	h
	1.64	0.19	0.65	0.73	-0.13	0.08	-0.01	

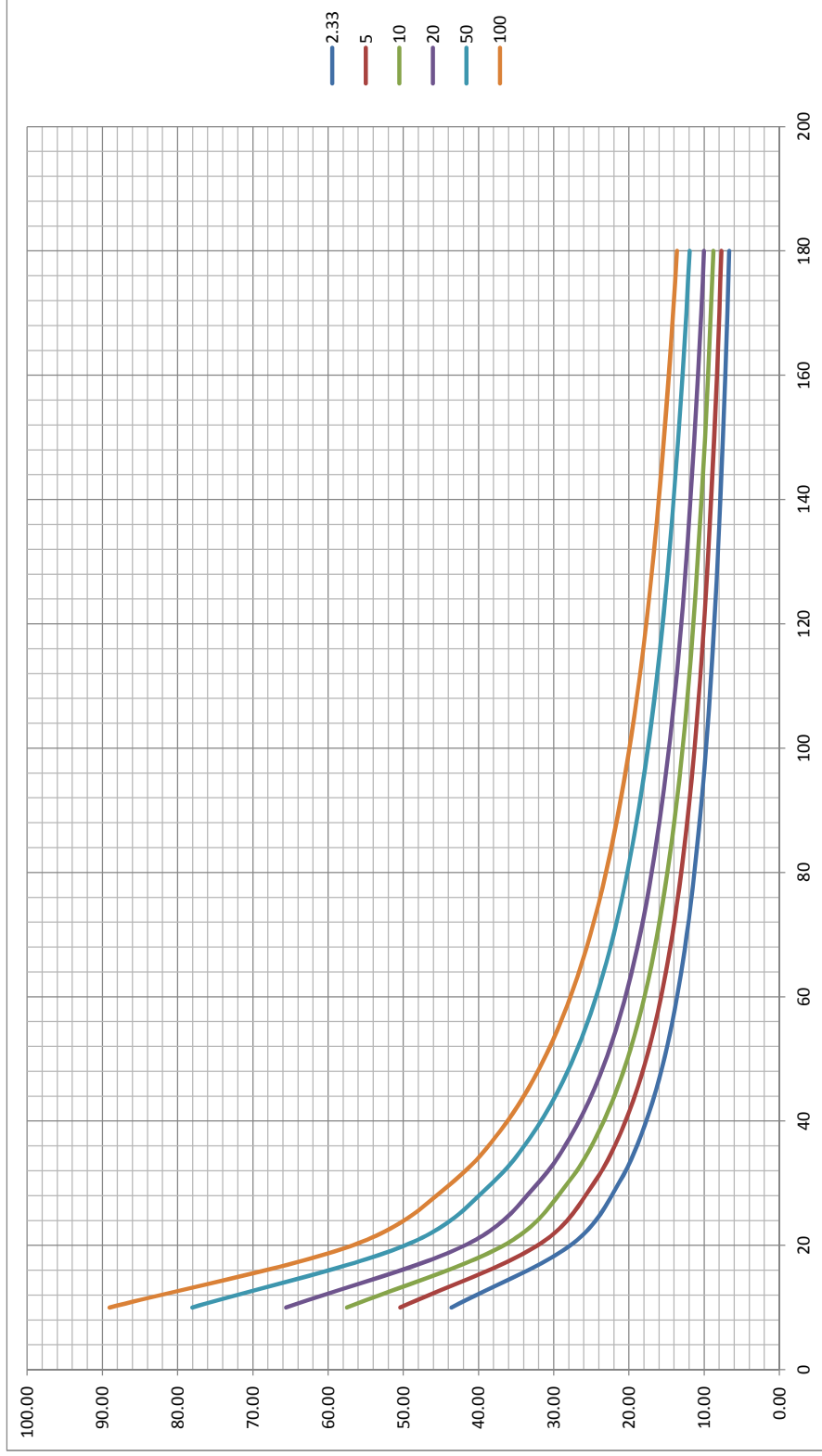
ESTACION TISQUESUSA

CODIGO 21206310



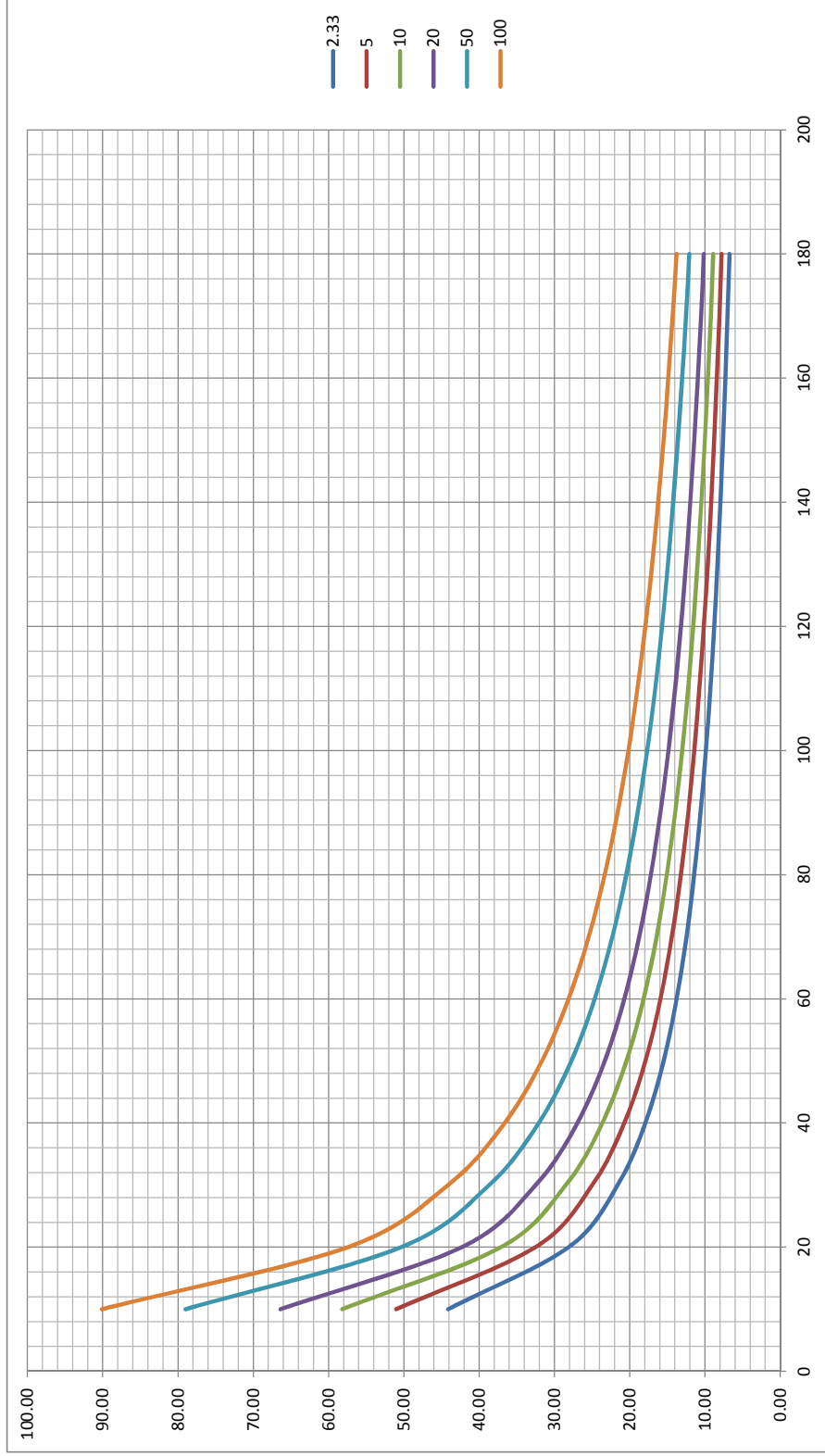
ESTACION MANJUÍ

CODIGO 21201740



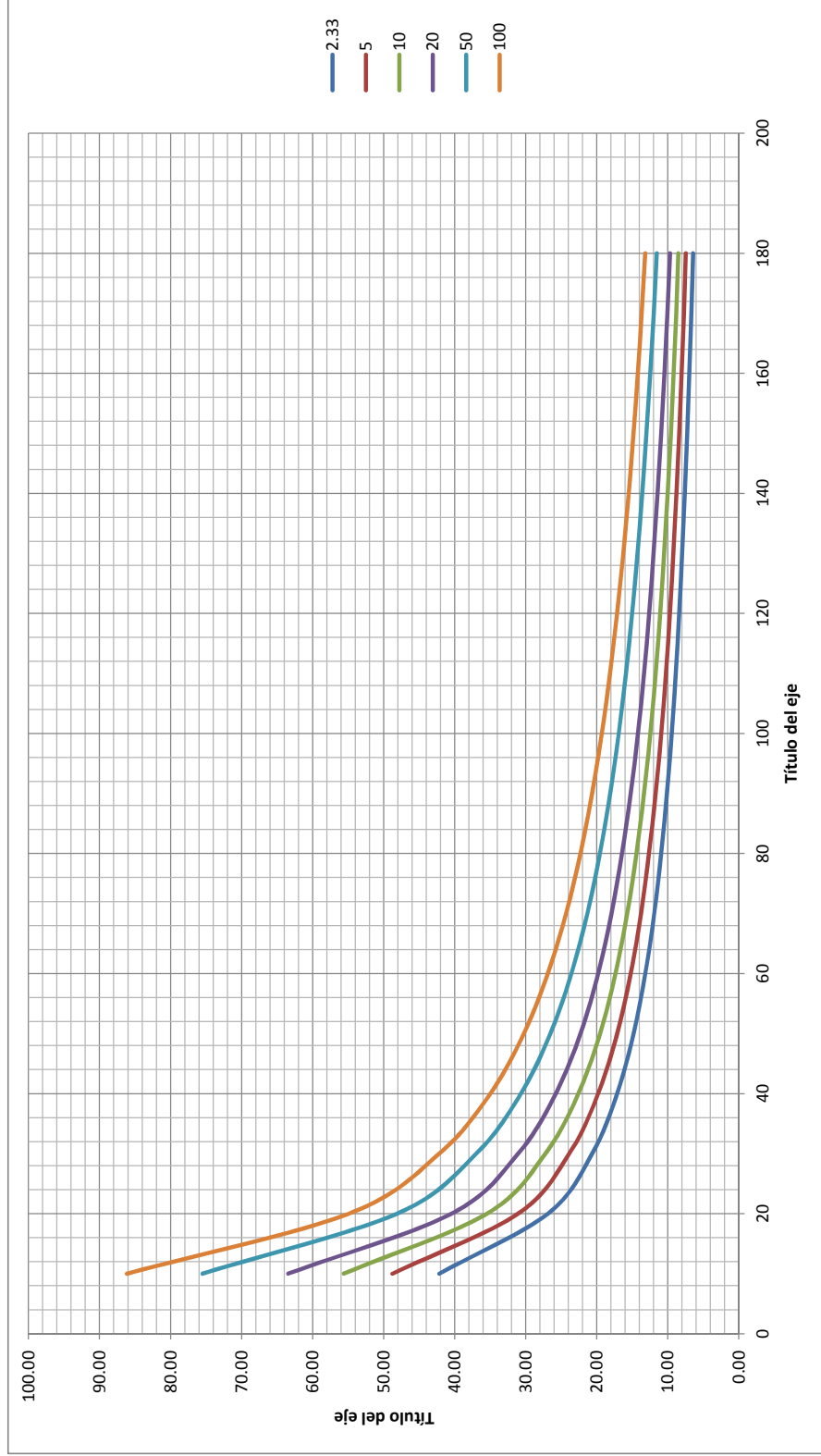
ESTACION TACHI

CODIGO 21205960



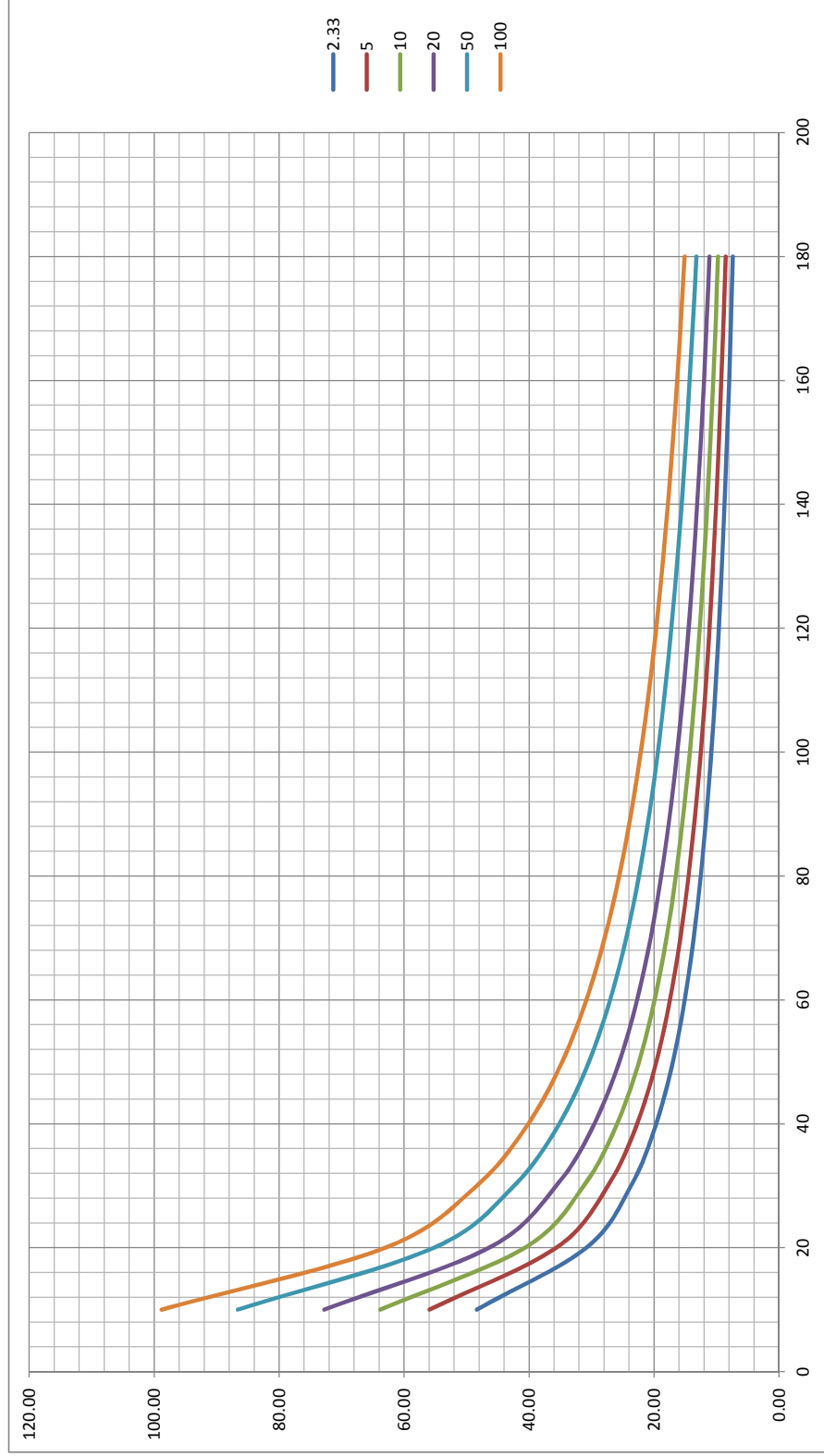
ESTACION TACHI

CODIGO 21205960



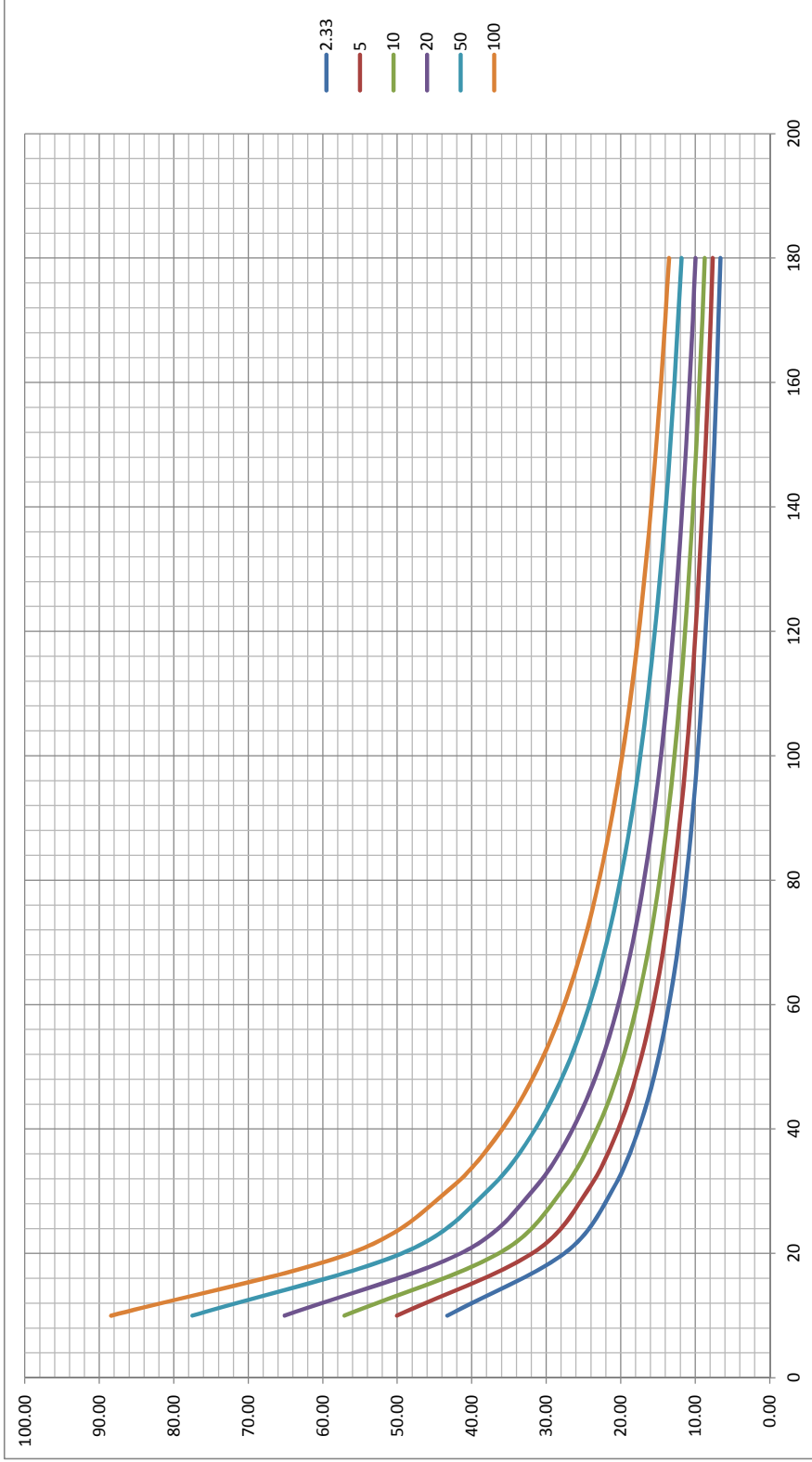
ESTACION CORAZON EL

CODIGO 21201070



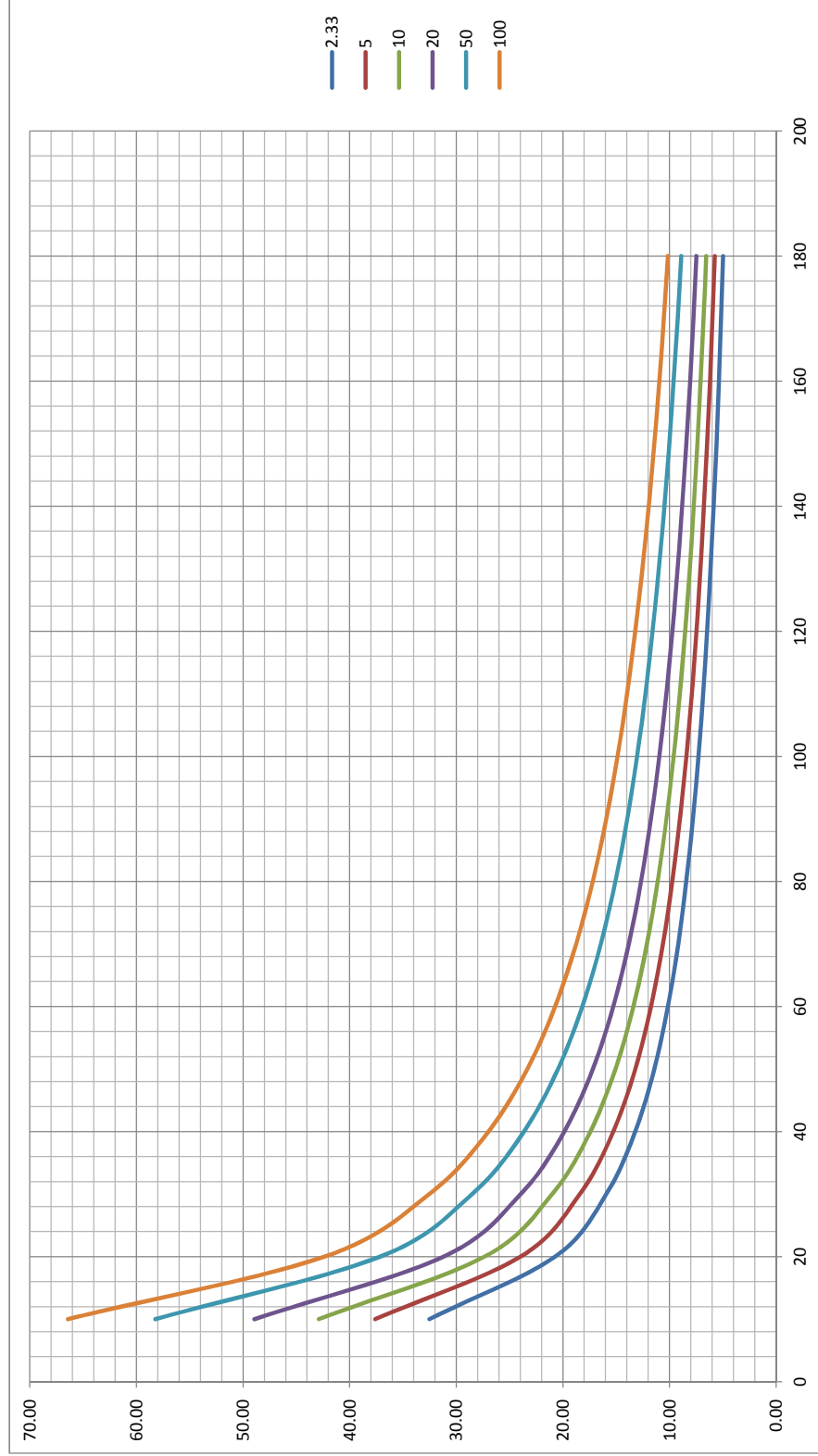
CODIGO 21201270

ESTACION TIBAR EL



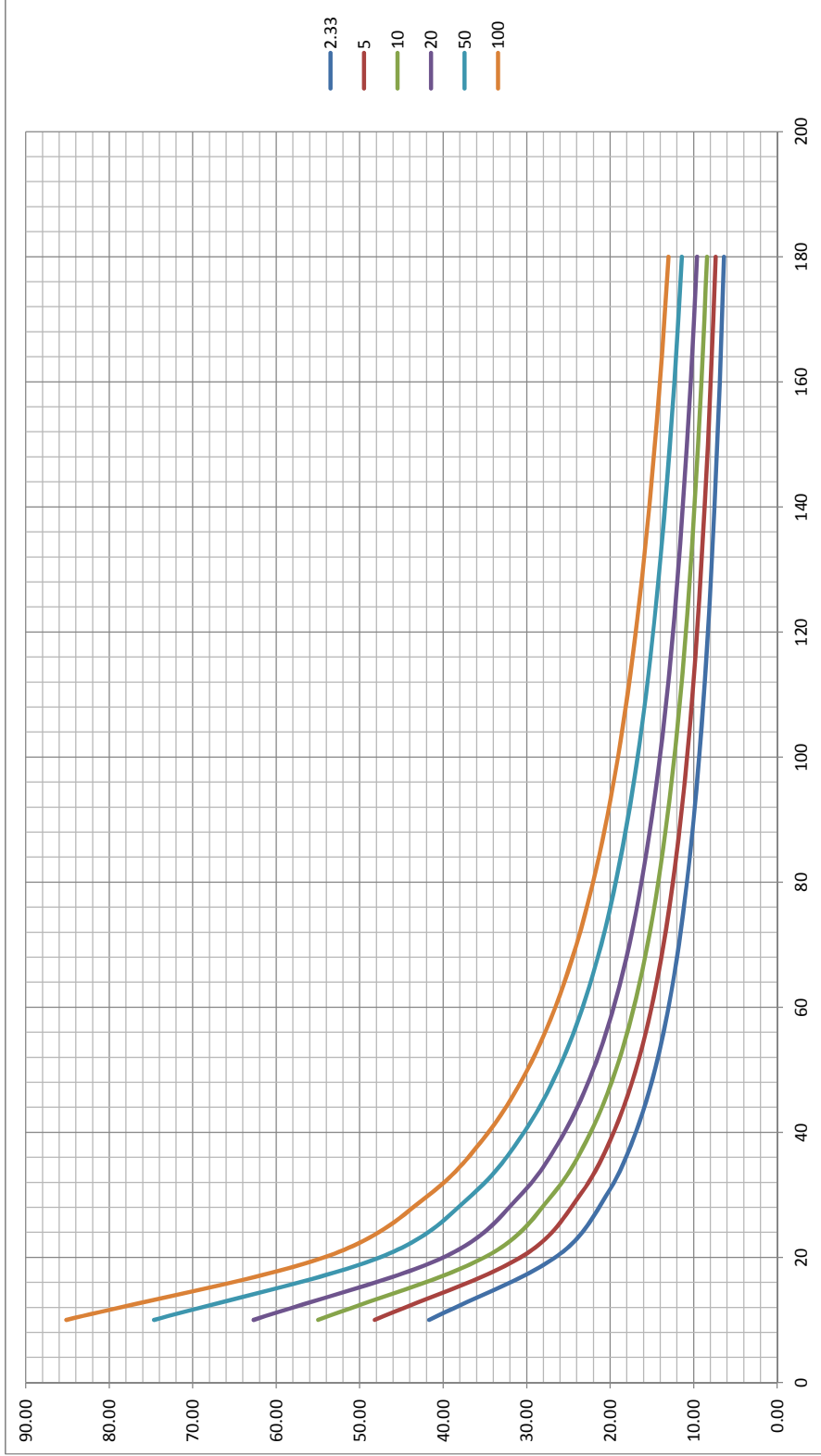
ESTACION CASABLANCA

CODIGO 21206060



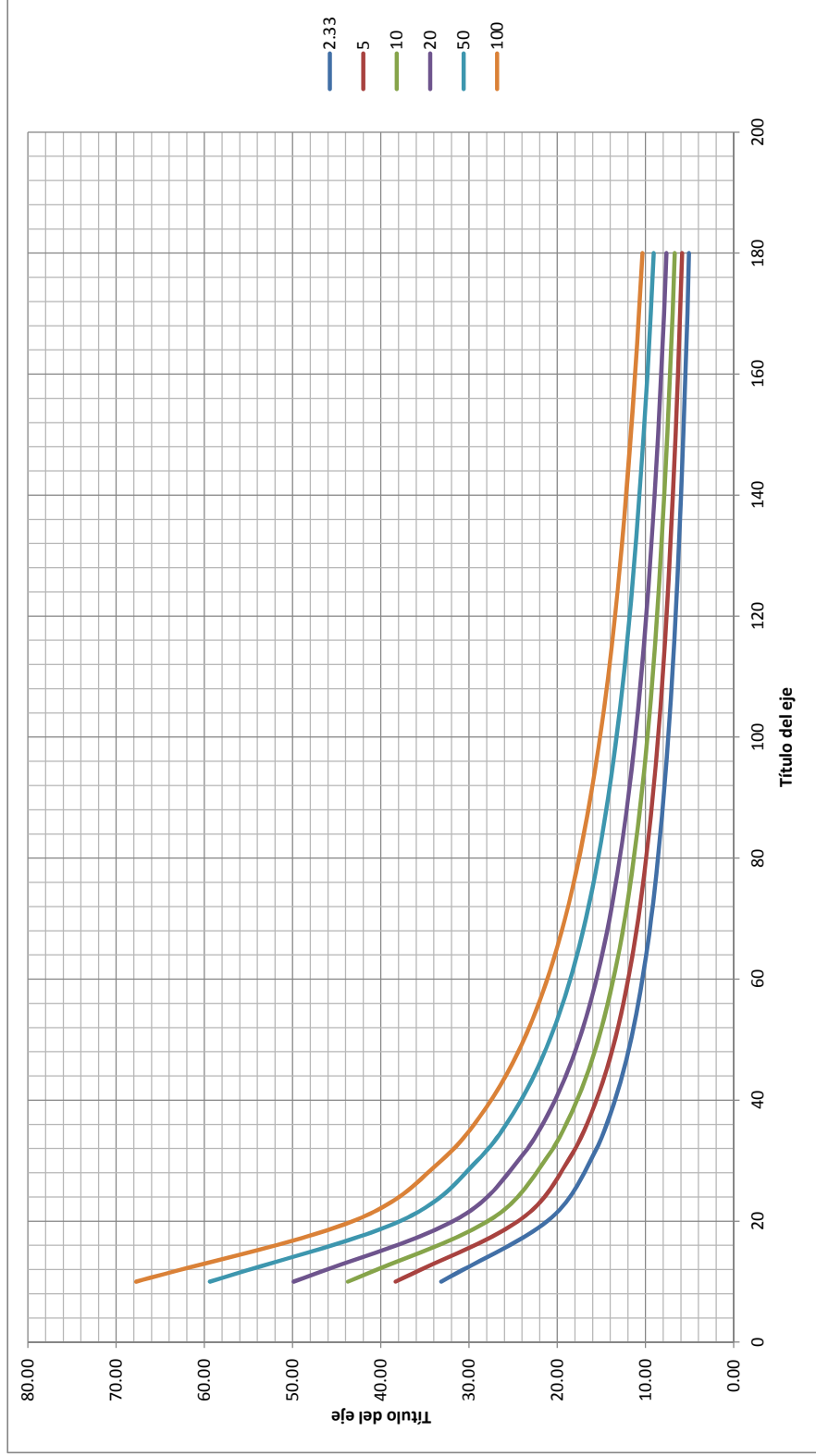
ESTACION ROBLE EL

CODIGO 21201550



ESTACION BASE AEREA MADRID

CODIGO 21205770

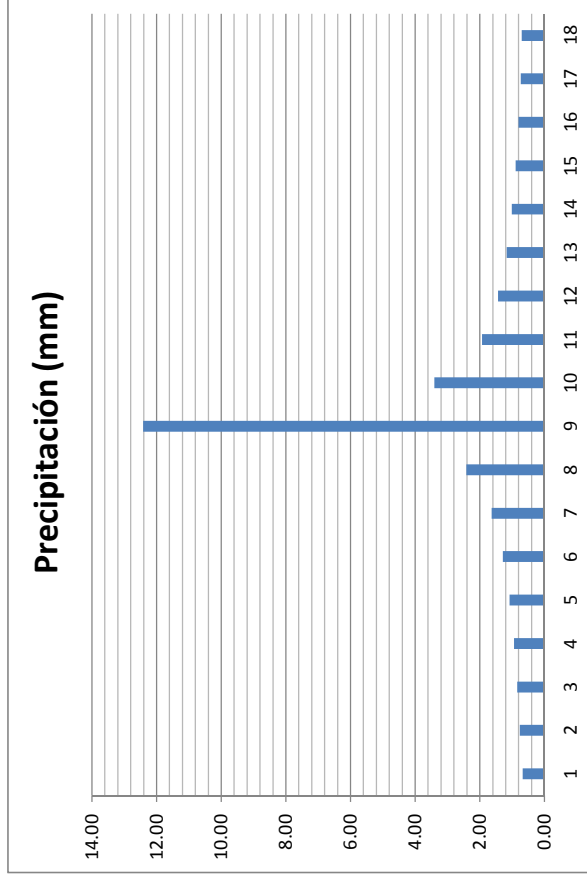


TORMENTA DE DISEÑO

ESTACION BOJACA

CODIGO 21200750

t (min)	i (mm/hr)	Profundidad (mm)	Incremento (mm)	Tiempo	P (mm)
10	74.50	12.42	12.42	0 - 10	0.68
20	47.48	15.83	3.41	10 - 20	0.76
30	36.48	18.24	2.41	20 - 30	0.84
40	30.26	20.17	1.93	30 - 40	0.94
50	26.17	21.81	1.64	40 - 50	1.08
60	23.25	23.25	1.44	50 - 60	1.29
70	21.03	24.54	1.29	60 - 70	1.64
80	19.28	25.71	1.17	70 - 80	2.41
90	17.86	26.79	1.08	80 - 90	12.42
100	16.68	27.80	1.01	90 - 100	3.41
110	15.68	28.74	0.94	100 - 110	1.93
120	14.82	29.63	0.89	110 - 120	1.44
130	14.06	30.47	0.84	120 - 130	1.17
140	13.40	31.27	0.80	130 - 140	1.01
150	12.81	32.04	0.76	140 - 150	0.89
160	12.29	32.77	0.73	150 - 160	0.80
170	11.81	33.47	0.70	160 - 170	0.73
180	11.38	34.15	0.68	170 - 180	0.70

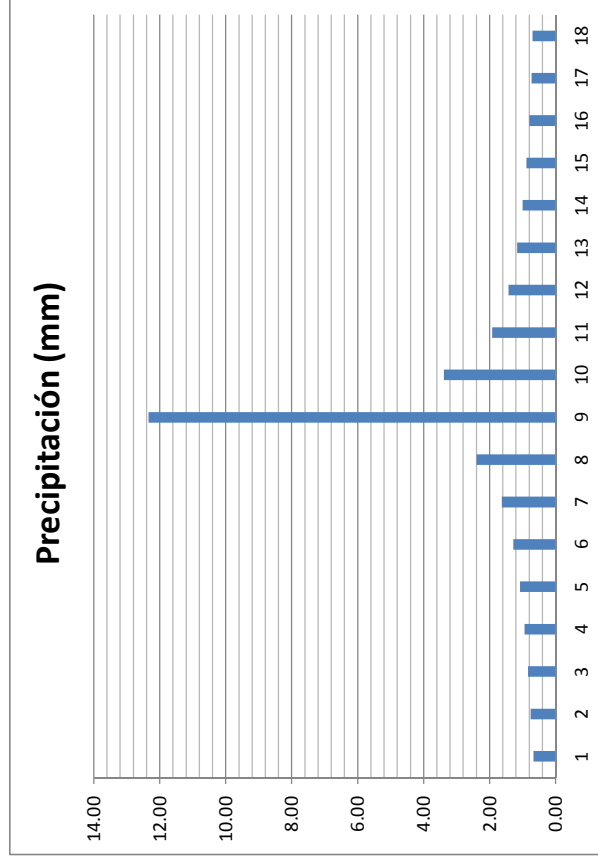


TORMENTA DE DISEÑO

ESTACION BOJACA

CODIGO 21200750

t (min)	i (mm/hr)	Profundidad (mm)	Incremento (mm)	Tiempo	P (mm)
10	74.061	12.34348506	12.3434851	0 - 10	0.67
20	47.198	15.73252007	3.389035	10 - 20	0.76
30	36.263	18.13135391	2.39883384	20 - 30	0.84
40	30.078	20.05205065	1.92069674	30 - 40	0.94
50	26.017	21.68089955	1.62884891	40 - 50	1.08
60	23.110	23.10950981	1.42861026	50 - 60	1.28
70	20.906	24.39057899	1.28106918	60 - 70	1.63
80	19.168	25.55755425	1.16697526	70 - 80	2.40
90	17.755	26.63315853	1.07560428	80 - 90	12.34
100	16.580	27.63362094	1.00046241	90 - 100	3.39
110	15.584	28.57098648	0.93736554	100 - 110	1.92
120	14.727	29.45447132	0.88348484	110 - 120	1.43
130	13.981	30.29130398	0.83683265	120 - 130	1.17
140	13.323	31.08727166	0.79596769	130 - 140	1.00
150	12.739	31.84708863	0.75981697	140 - 150	0.88
160	12.215	32.57465238	0.72756375	150 - 160	0.80
170	11.743	33.27322665	0.69857427	160 - 170	0.73
180	11.315	33.94557525	0.67234859	170 - 180	0.70

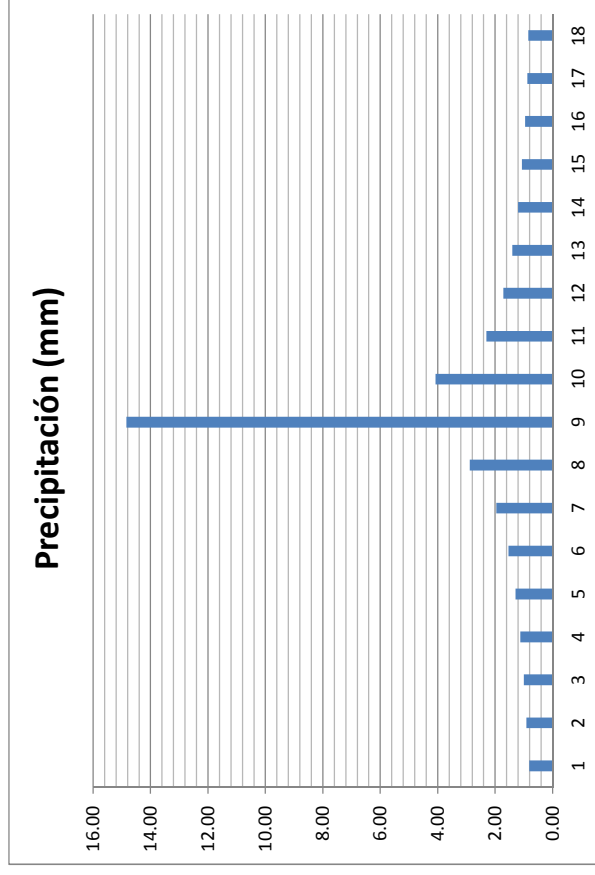


TORMENTA DE DISEÑO

ESTACION BOJACA

CODIGO 21200750

t (min)	i (mm/hr)	Profundidad (mm)	Incremento (mm)	Tiempo	P (mm)
10	89.04	14.84	14.84	0 - 10	0.81
20	56.74	18.91	4.07	10 - 20	0.91
30	43.60	21.80	2.88	20 - 30	1.01
40	36.16	24.11	2.31	30 - 40	1.13
50	31.28	26.07	1.96	40 - 50	1.29
60	27.78	27.78	1.72	50 - 60	1.54
70	25.13	29.32	1.54	60 - 70	1.96
80	23.04	30.73	1.40	70 - 80	2.88
90	21.35	32.02	1.29	80 - 90	14.84
100	19.93	33.22	1.20	90 - 100	4.07
110	18.74	34.35	1.13	100 - 110	2.31
120	17.71	35.41	1.06	110 - 120	1.72
130	16.81	36.42	1.01	120 - 130	1.40
140	16.02	37.37	0.96	130 - 140	1.20
150	15.32	38.29	0.91	140 - 150	1.06
160	14.69	39.16	0.87	150 - 160	0.96
170	14.12	40.00	0.84	160 - 170	0.87
180	13.60	40.81	0.81	170 - 180	0.84

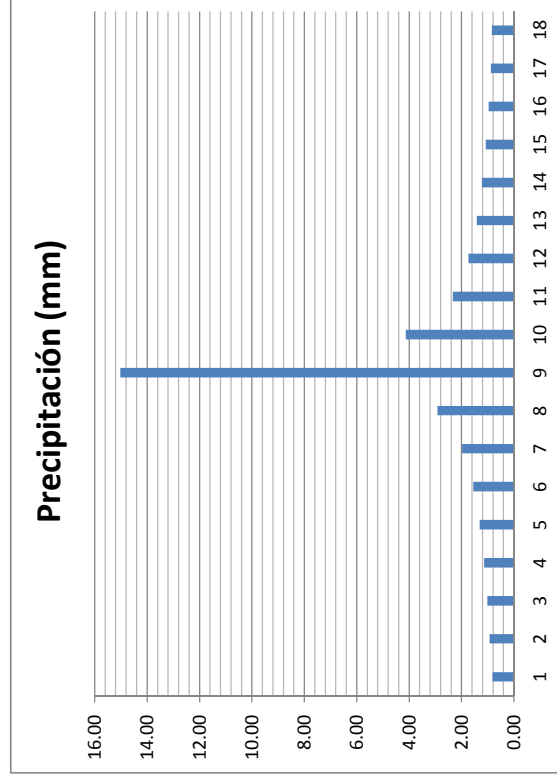


TORMENTA DE DISEÑO

ESTACION TACHI

CODIGO 21205960

t (min)	i (mm/hr)	Profundidad (mm)	Incremento (mm)	Tiempo	P (mm)
10	90.116	15.01931867	15.0193187	0 - 10	0.82
20	57.429	19.14303222	4.12371355	10 - 20	0.92
30	44.124	22.06188777	2.91885555	20 - 30	1.02
40	36.598	24.39895516	2.33706739	30 - 40	1.14
50	31.657	26.38090763	1.98195248	40 - 50	1.31
60	28.119	28.11921352	1.73830588	50 - 60	1.56
70	25.438	29.67799422	1.5587807	60 - 70	1.98
80	23.323	31.09794759	1.41995337	70 - 80	2.92
90	21.604	32.40672249	1.3087749	80 - 90	15.02
100	20.174	33.62406618	1.21734369	90 - 100	4.12
110	18.963	34.76463481	1.14056863	100 - 110	2.34
120	17.920	35.83964242	1.07500761	110 - 120	1.74
130	17.011	36.85788453	1.01824211	120 - 130	1.42
140	16.211	37.82640293	0.96851839	130 - 140	1.22
150	15.500	38.75093381	0.92453089	140 - 150	1.08
160	14.864	39.63621959	0.88528578	150 - 160	0.97
170	14.289	40.48623152	0.85001194	160 - 170	0.89
180	13.768	41.30433255	0.81810102	170 - 180	0.85

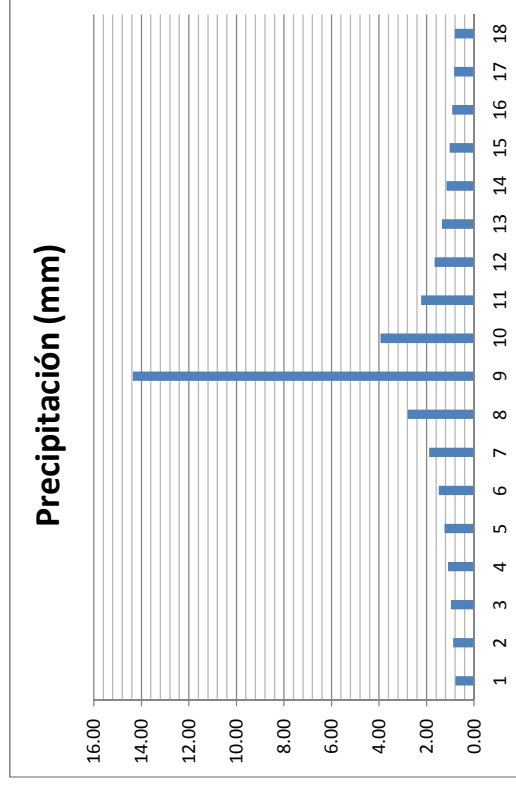


TORMENTA DE DISEÑO

ESTACION TACHI

CODIGO 21205960

t (min)	i (mm/hr)	Profundidad (mm)	Incremento (mm)	Tiempo	P (mm)
10	86.14	14.36	14.36	0 - 10	0.78
20	54.89	18.30	3.94	10 - 20	0.88
30	42.18	21.09	2.79	20 - 30	0.97
40	34.98	23.32	2.23	30 - 40	1.09
50	30.26	25.22	1.89	40 - 50	1.25
60	26.88	26.88	1.66	50 - 60	1.49
70	24.31	28.37	1.49	60 - 70	1.89
80	22.29	29.72	1.36	70 - 80	2.79
90	20.65	30.98	1.25	80 - 90	14.36
100	19.28	32.14	1.16	90 - 100	3.94
110	18.13	33.23	1.09	100 - 110	2.23
120	17.13	34.26	1.03	110 - 120	1.66
130	16.26	35.23	0.97	120 - 130	1.36
140	15.50	36.16	0.93	130 - 140	1.16
150	14.82	37.04	0.88	140 - 150	1.03
160	14.21	37.89	0.85	150 - 160	0.93
170	13.66	38.70	0.81	160 - 170	0.85
180	13.16	39.48	0.78	170 - 180	0.81

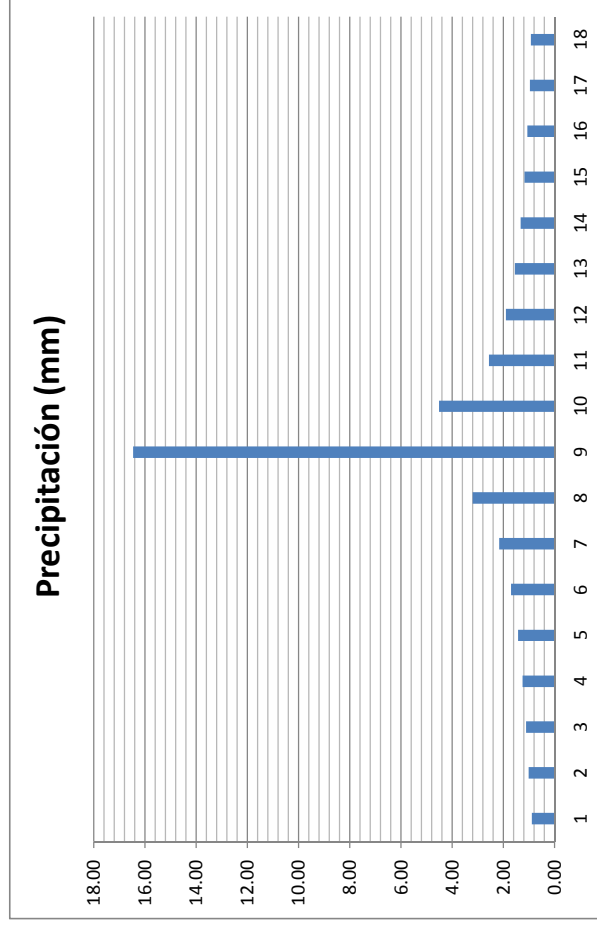


TORMENTA DE DISEÑO

ESTACION **CORAZON EL**

CODIGO **21201070**

t (min)	i (mm/hr)	Profundidad (mm)	Incremento (mm)	Tiempo	P (mm)
10	98.80	16.47	16.47	0 - 10	0.90
20	62.97	20.99	4.52	10 - 20	1.01
30	48.38	24.19	3.20	20 - 30	1.12
40	40.13	26.75	2.56	30 - 40	1.25
50	34.71	28.92	2.17	40 - 50	1.43
60	30.83	30.83	1.91	50 - 60	1.71
70	27.89	32.54	1.71	60 - 70	2.17
80	25.57	34.10	1.56	70 - 80	3.20
90	23.69	35.53	1.43	80 - 90	16.47
100	22.12	36.87	1.33	90 - 100	4.52
110	20.79	38.12	1.25	100 - 110	2.56
120	19.65	39.30	1.18	110 - 120	1.91
130	18.65	40.41	1.12	120 - 130	1.56
140	17.77	41.47	1.06	130 - 140	1.33
150	16.99	42.49	1.01	140 - 150	1.18
160	16.30	43.46	0.97	150 - 160	1.06
170	15.67	44.39	0.93	160 - 170	0.97
180	15.10	45.29	0.90	170 - 180	0.93

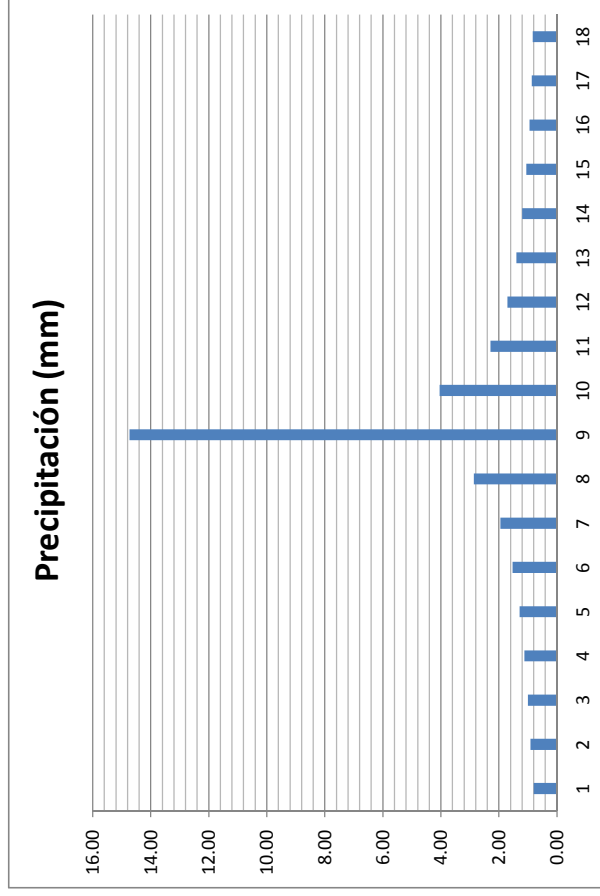


TORMENTA DE DISEÑO

ESTACION CORAZON EL

CODIGO 21201070

t (min)	i (mm/hr)	Profundidad (mm)	Incremento (mm)	Tiempo	P (mm)
10	88.4	14.7	14.7	0 - 10	0.80
20	56.3	18.8	4.0	10 - 20	0.91
30	43.3	21.6	2.9	20 - 30	1.00
40	35.9	23.9	2.3	30 - 40	1.12
50	31.1	25.9	1.9	40 - 50	1.28
60	27.6	27.6	1.7	50 - 60	1.53
70	25.0	29.1	1.5	60 - 70	1.94
80	22.9	30.5	1.4	70 - 80	2.86
90	21.2	31.8	1.3	80 - 90	14.73
100	19.8	33.0	1.2	90 - 100	4.05
110	18.6	34.1	1.1	100 - 110	2.29
120	17.6	35.2	1.1	110 - 120	1.71
130	16.7	36.2	1.0	120 - 130	1.39
140	15.9	37.1	1.0	130 - 140	1.19
150	15.2	38.0	0.9	140 - 150	1.05
160	14.6	38.9	0.9	150 - 160	0.95
170	14.0	39.7	0.8	160 - 170	0.87
180	13.5	40.5	0.8	170 - 180	0.83

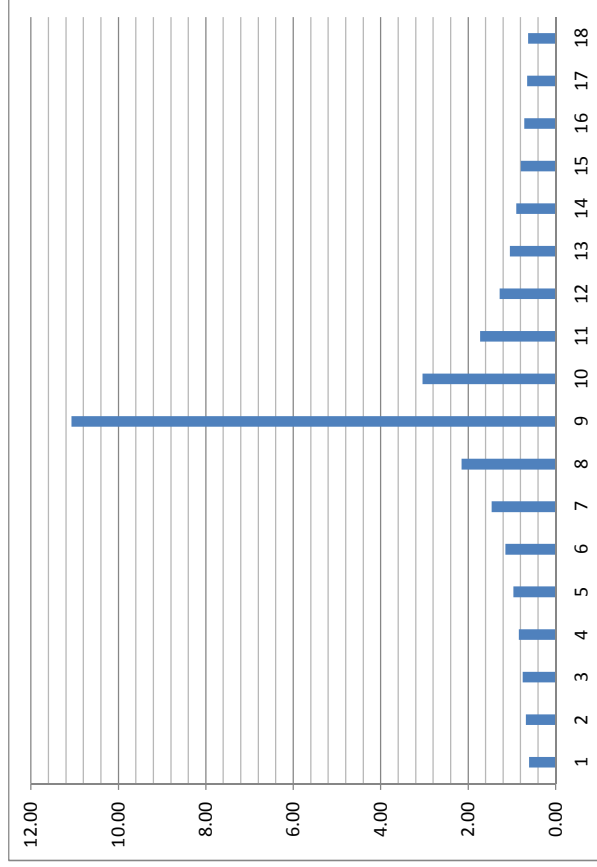


TORMENTA DE DISEÑO

ESTACION CASABLANCA

CODIGO 21206060

t (min)	i (mm/hr)	Profundidad (mm)	Incremento (mm)	Tiempo	P (mm)
10	66.44	11.07	11.07	0 - 10	0.60
20	42.34	14.11	3.04	10 - 20	0.68
30	32.53	16.27	2.15	20 - 30	0.75
40	26.98	17.99	1.72	30 - 40	0.84
50	23.34	19.45	1.46	40 - 50	0.96
60	20.73	20.73	1.28	50 - 60	1.15
70	18.75	21.88	1.15	60 - 70	1.46
80	17.20	22.93	1.05	70 - 80	2.15
90	15.93	23.89	0.96	80 - 90	11.07
100	14.87	24.79	0.90	90 - 100	3.04
110	13.98	25.63	0.84	100 - 110	1.72
120	13.21	26.42	0.79	110 - 120	1.28
130	12.54	27.17	0.75	120 - 130	1.05
140	11.95	27.89	0.71	130 - 140	0.90
150	11.43	28.57	0.68	140 - 150	0.79
160	10.96	29.22	0.65	150 - 160	0.71
170	10.53	29.85	0.63	160 - 170	0.65
180	10.15	30.45	0.60	170 - 180	0.63

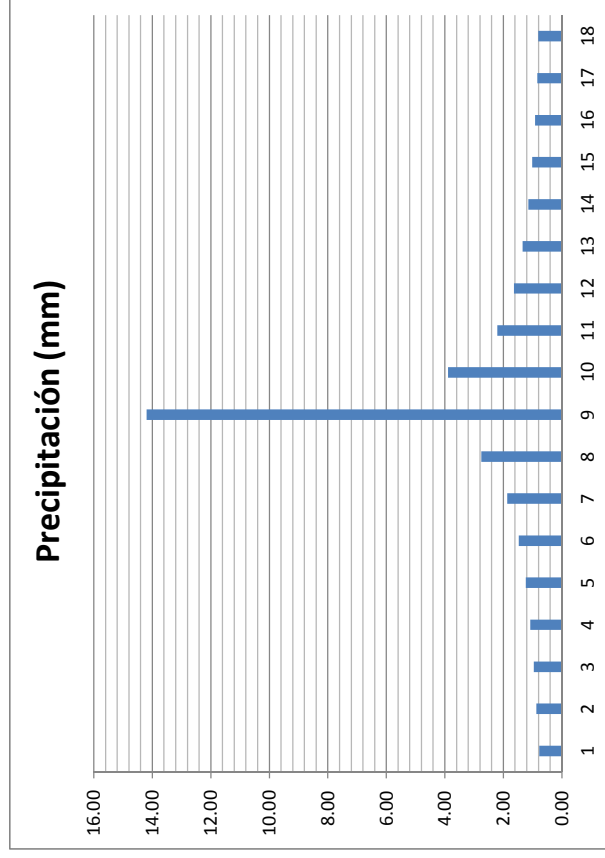


TORMENTA DE DISEÑO

ESTACION ROBLE EL

CODIGO 21201550

t (min)	i (mm/hr)	Profundidad (mm)	Incremento (mm)	Tiempo	P (mm)
10	85.15	14.19	14.19	0 - 10	0.77
20	54.27	18.09	3.90	10 - 20	0.87
30	41.69	20.85	2.76	20 - 30	0.96
40	34.58	23.05	2.21	30 - 40	1.08
50	29.91	24.93	1.87	40 - 50	1.24
60	26.57	26.57	1.64	50 - 60	1.47
70	24.04	28.04	1.47	60 - 70	1.87
80	22.04	29.38	1.34	70 - 80	2.76
90	20.41	30.62	1.24	80 - 90	14.19
100	19.06	31.77	1.15	90 - 100	3.90
110	17.92	32.85	1.08	100 - 110	2.21
120	16.93	33.87	1.02	110 - 120	1.64
130	16.07	34.83	0.96	120 - 130	1.34
140	15.32	35.74	0.92	130 - 140	1.15
150	14.65	36.62	0.87	140 - 150	1.02
160	14.04	37.45	0.84	150 - 160	0.92
170	13.50	38.26	0.80	160 - 170	0.84
180	13.01	39.03	0.77	170 - 180	0.80



TORMENTA DE DISEÑO

ESTACION BASE AEREA MADRID

CODIGO 21205770

t (min)	i (mm/hr)	Profundidad (mm)	Incremento (mm)	Tiempo	P (mm)
10	67.73	11.29	11.29	0 - 10	0.61
20	43.16	14.39	3.10	10 - 20	0.69
30	33.16	16.58	2.19	20 - 30	0.77
40	27.51	18.34	1.76	30 - 40	0.86
50	23.79	19.83	1.49	40 - 50	0.98
60	21.13	21.13	1.31	50 - 60	1.17
70	19.12	22.30	1.17	60 - 70	1.49
80	17.53	23.37	1.07	70 - 80	2.19
90	16.24	24.36	0.98	80 - 90	11.29
100	15.16	25.27	0.91	90 - 100	3.10
110	14.25	26.13	0.86	100 - 110	1.76
120	13.47	26.94	0.81	110 - 120	1.31
130	12.78	27.70	0.77	120 - 130	1.07
140	12.18	28.43	0.73	130 - 140	0.91
150	11.65	29.12	0.69	140 - 150	0.81
160	11.17	29.79	0.67	150 - 160	0.73
170	10.74	30.43	0.64	160 - 170	0.67
180	10.35	31.04	0.61	170 - 180	0.64

