



Datos de la Estación

ESTACIÓN:	26192
NOMBRE:	CABULLONA
ESTADO:	SONORA
MUNICIPIO:	AGUA PRIETA
LATITUD (°):	31.1483
LONGITUD (°):	-109.5414
ALTURA (msn):	1,119
SITUACIÓN:	OPERANDO
DATOS DESDE:	1 de julio de 1975
HASTA:	30 de abril de 2016

Inventario de Registros por Década Año

Estacion		26192					
		N° de Casos					
Decada	Año	Lluvia	Temp min	Temp max	Temp amb	Evaporación	
1970	1975	62	62	62	62	62	
	1976	306	306	306	306	305	
	1977	365	365	365	365	365	
	1978	365	365	365	365	365	
	1979	181	181	181	181	181	
	1980	366	365	365	366	366	
Total 1970		1,645	1,644	1,644	1,645	1,644	
1980	1981	365	365	365	365	365	
	1982	365	365	365	365	334	
	1983	362	365	365	365	31	
	1984	182	182	182	182		
	1985	274	275	275	275		
	1986	365	365	365	365		
	1987	59	59	59	59		
	1989	122					
	1990	365					
Total 1980		2,459	1,976	1,976	1,976	730	
1990	1991	304	91	91	91		
	1992	62					
	1993	47	46	47	46		
	1994	328	328	328	328		
	1995	212	92	92	92		
	1996	365	306	305	306		
	1997	215	215	215	215		
	1998	365	365	365	365		
	1999	179	179	179	179		
	2000	289	292	288	292		
Total 1990		2,366	1,914	1,910	1,914		
2000	2001	259	253	254	253		
	2002	235	234	234	194		
	2003	365	364	365			
	2004	366	364	364			
	2005	365	362	362			
	2006	365	365	363			
	2007	365	364	363			
	2008	366	364	365			
	2009	337	335	334			
	2010	365	364	363	177		
Total 2000		3,388	3,369	3,367	624		
2010	2011	365	358	357	341		
	2012	366	366	365	366		
	2013	365	334	365	333		
	2014	365	364	364	169		
	2015	335	335	334	243		
	2016	121	121	120	105		
Total 2010		1,917	1,878	1,905	1,557		
Total general		11,775	10,781	10,802	7,716	2,374	

Estacion	26192
NOMBRE	CABULLONA
ESTADO	SONORA

Lluvia (mm)						
Década	Año	Mín.	Prom.	Máx.	Desv.	Est.
1970	1975	0.0	2.5	32.5	5.9	
	1976	0.0	1.3	50.0	5.4	
	1977	0.0	0.5	30.0	2.3	
	1978	0.0	0.8	17.7	2.6	
	1979	0.0	0.4	12.8	1.8	
	1980	0.0	0.5	29.9	2.6	
Total 1970		0.0	0.8	50.0	3.4	
1980	1981	0.0	0.9	26.0	3.2	
	1982	0.0	0.6	26.6	2.9	
	1983	0.0	0.7	26.5	3.0	
	1984	0.0	0.3	13.0	1.6	
	1985	0.0	1.2	33.5	4.9	
	1986	0.0	0.8	26.2	3.2	
	1987	0.0	0.0	2.6	0.3	
	1989	0.0	0.6	24.0	3.0	
	1990	0.0	1.0	27.0	3.7	
Total 1980		0.0	0.8	33.5	3.3	
1990	1991	0.0	1.2	34.0	4.0	
	1992	0.0	1.0	18.0	3.3	
	1993	0.0	0.7	23.0	3.6	
	1994	0.0	1.0	54.0	5.0	
	1995	0.0	1.2	43.0	4.6	
	1996	0.0	0.6	19.0	2.4	
	1997	0.0	1.3	45.4	4.4	
	1998	0.0	1.0	43.0	4.1	
	1999	0.0	0.0	2.5	0.2	
	2000	0.0	1.1	85.0	6.3	
Total 1990		0.0	0.9	85.0	4.3	
2000	2001	0.0	1.1	63.0	5.2	
	2002	0.0	1.6	47.0	6.2	
	2003	0.0	0.4	14.0	1.7	
	2004	0.0	1.0	58.0	4.5	
	2005	0.0	0.8	31.0	3.2	
	2006	0.0	1.2	50.0	5.7	
	2007	0.0	0.8	32.0	3.4	
	2008	0.0	1.0	43.0	5.0	
	2009	0.0	0.5	20.0	2.5	
	2010	0.0	0.9	33.0	3.6	
Total 2000		0.0	0.9	63.0	4.2	
2010	2011	0.0	0.6	38.0	3.3	
	2012	0.0	0.6	42.0	3.6	
	2013	0.0	0.9	42.0	4.1	
	2014	0.0	1.0	93.0	5.8	
	2015	0.0	1.1	33.0	4.6	
	2016	0.0	0.2	11.0	1.5	
Total 2010		0.0	0.8	93.0	4.2	
Total general		0.0	0.8	93.0	3.9	

Estacion	26192
NOMBRE	CABULLONA
ESTADO	SONORA

Evap (mm)						
Década	Año	Mín.	Prom.	Máx.	Desv.	Est.
1970	1975	3.0	8.4	13.6	2.3	
	1976	0.1	6.7	17.6	3.6	
	1977	0.1	6.8	17.7	4.2	
	1978	0.3	5.5	17.9	3.2	
	1979	0.3	4.2	18.0	2.4	
	1980	0.2	6.2	16.5	3.3	
Total 1970		0.1	6.2	18.0	3.6	
1980	1981	0.1	6.2	16.2	3.4	
	1982	0.3	8.0	17.9	3.5	
	1983	7.9	10.7	13.1	1.6	
	1984					
	1985					
	1986					
	1987					
	1989					
	1990					
Total 1980		0.1	7.2	17.9	3.6	
1990	1991					
	1992					
	1993					
	1994					
	1995					
	1996					
	1997					
	1998					
	1999					
	2000					
Total 1990						
2000	2001					
	2002					
	2003					
	2004					
	2005					
	2006					
	2007					
	2008					
	2009					
	2010					
Total 2000						
2010	2011					
	2012					
	2013					
	2014					
	2015					
	2016					
Total 2010						
Total general		0.1	6.5	18.0	3.6	

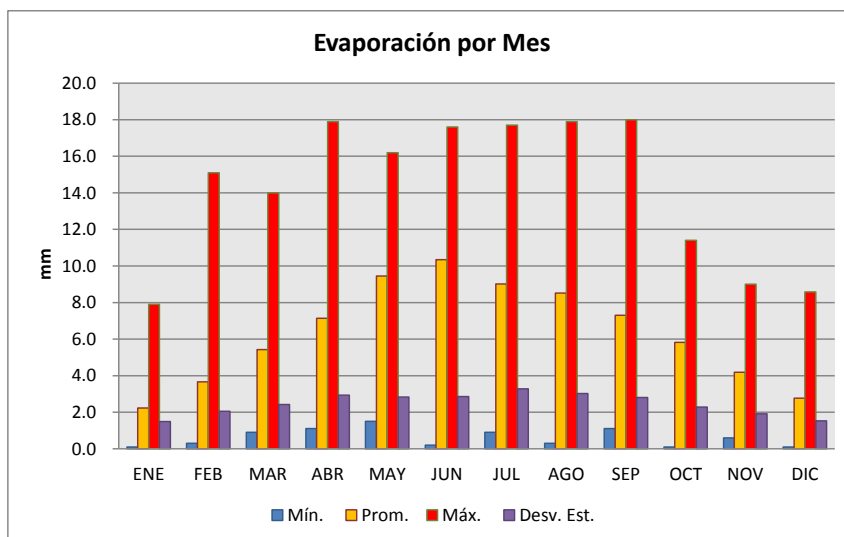
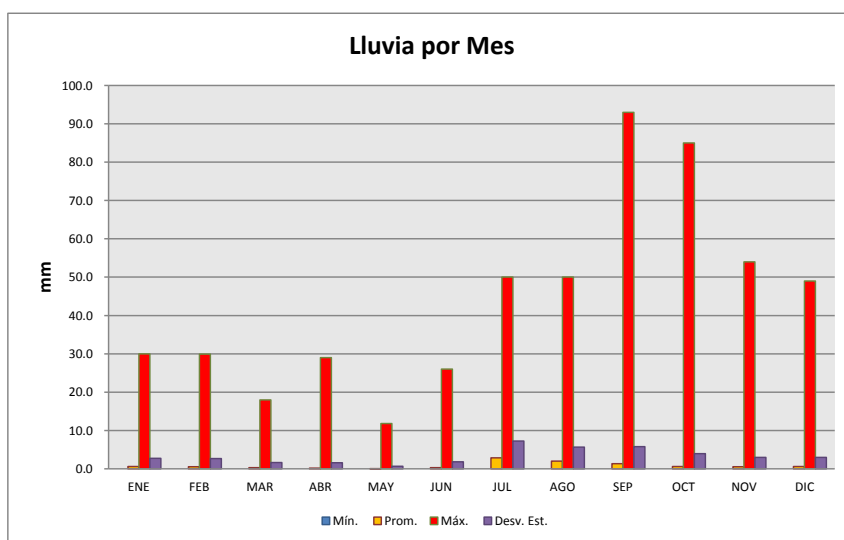


Estación	26192
NOMBRE	CABULLONA
ESTADO	SONORA

Estación	26192
NOMBRE	CABULLONA
ESTADO	SONORA

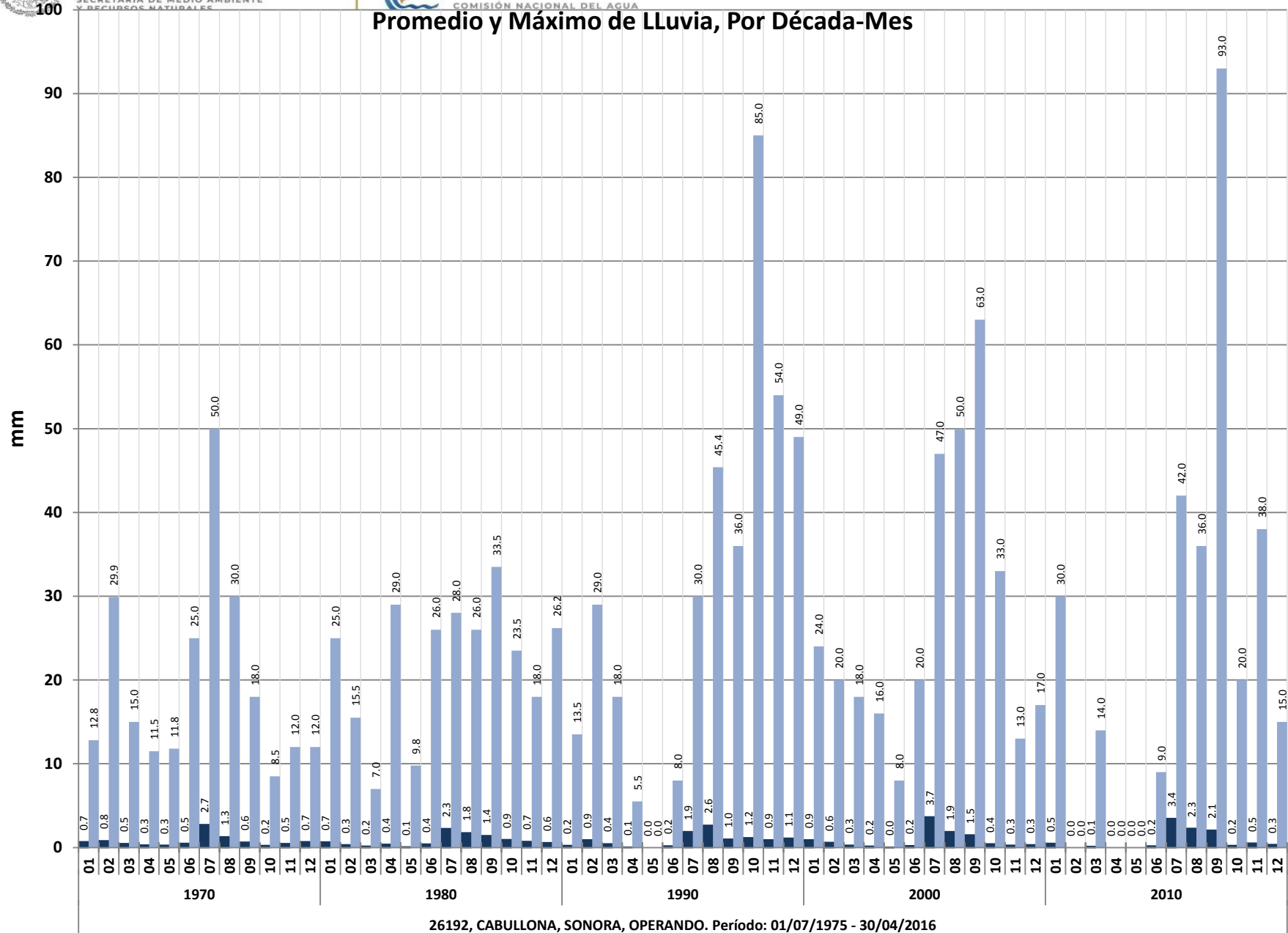
Lluvia (mm)				
Mes	Mín.	Prom.	Máx.	Desv. Est.
ENE	0.0	0.6	30.0	2.7
FEB	0.0	0.5	29.9	2.7
MAR	0.0	0.3	18.0	1.6
ABR	0.0	0.2	29.0	1.6
MAY	0.0	0.1	11.8	0.7
JUN	0.0	0.3	26.0	1.9
JUL	0.0	2.9	50.0	7.2
AGO	0.0	2.0	50.0	5.7
SEP	0.0	1.3	93.0	5.8
OCT	0.0	0.6	85.0	4.0
NOV	0.0	0.6	54.0	3.0
DIC	0.0	0.6	49.0	3.0
Total general	0.0	0.8	93.0	3.9

Evap (mm)				
Mes	Mín.	Prom.	Máx.	Desv. Est.
ENE	0.1	2.2	7.9	1.5
FEB	0.3	3.7	15.1	2.1
MAR	0.9	5.4	14.0	2.4
ABR	1.1	7.1	17.9	2.9
MAY	1.5	9.5	16.2	2.8
JUN	0.2	10.3	17.6	2.9
JUL	0.9	9.0	17.7	3.3
AGO	0.3	8.5	17.9	3.0
SEP	1.1	7.3	18.0	2.8
OCT	0.1	5.8	11.4	2.3
NOV	0.6	4.2	9.0	1.9
DIC	0.1	2.8	8.6	1.5
Total general	0.1	6.5	18.0	3.6





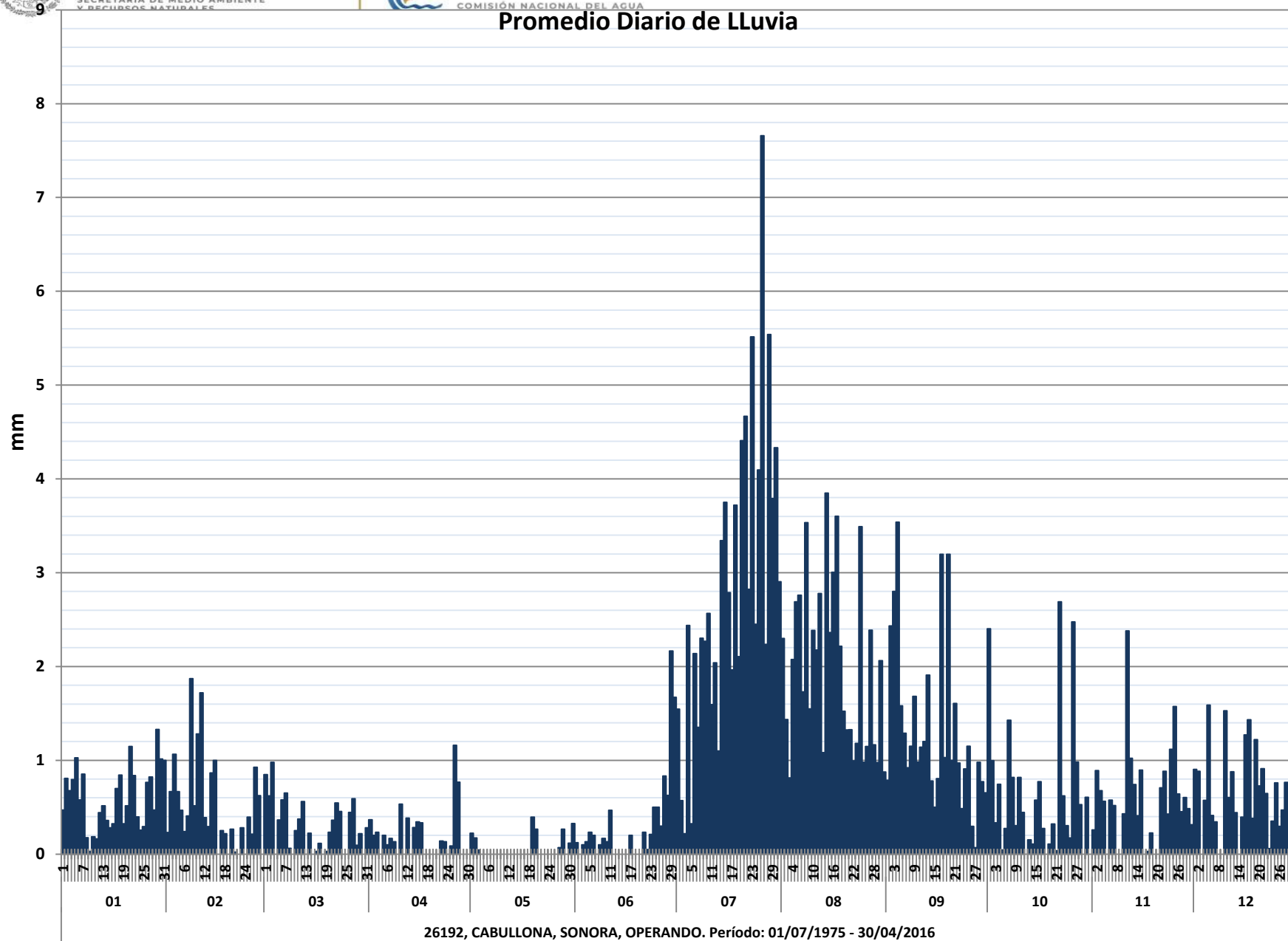
Promedio y Máximo de Lluvia, Por Década-Mes

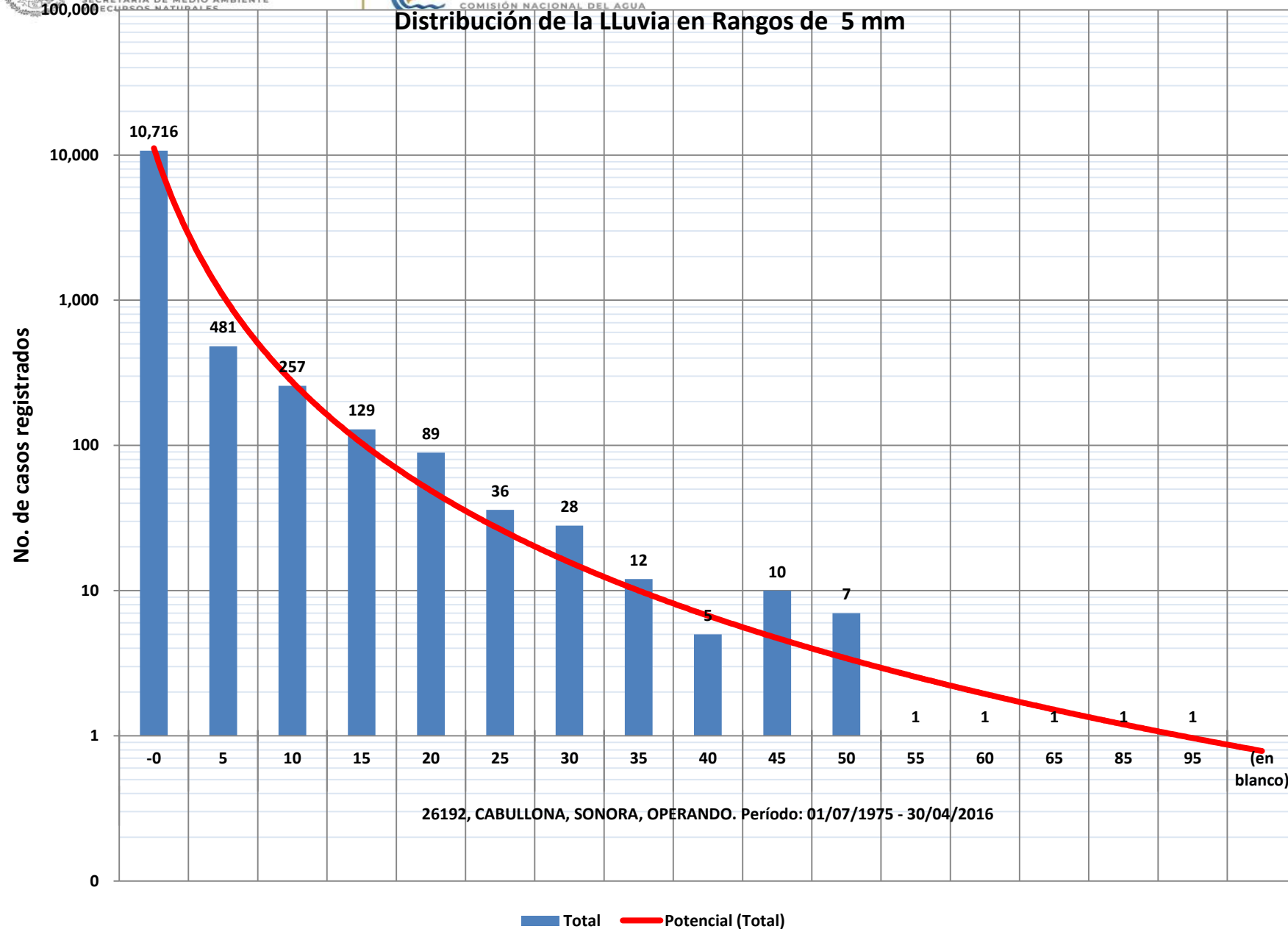


26192, CABULLONA, SONORA, OPERANDO. Período: 01/07/1975 - 30/04/2016



Promedio Diario de Lluvia





Estacion	26192
NOMBRE	CABULLONA
ESTADO	SONORA

Temp Min (°C)					
Década	Año	Mín.	Prom.	Máx.	Desv. Est.
1970	1975	22.0	24.4	27.0	1.2
	1976	-7.0	9.2	23.0	7.6
	1977	-8.0	11.0	29.0	10.0
	1978	-8.0	9.0	24.0	6.9
	1979	-7.0	6.2	24.0	6.5
	1980	-5.0	8.5	26.0	8.1
Total 1970		-8.0	9.6	29.0	8.5
1980	1981	-6.0	9.0	26.0	7.9
	1982	-9.0	5.9	23.0	8.4
	1983	-7.0	6.6	23.0	8.5
	1984	-5.0	2.7	14.0	5.2
	1985	-5.0	7.4	20.0	7.0
	1986	-5.0	6.3	21.0	7.1
	1987	-7.0	-1.3	4.0	3.4
	1989				
	1990				
Total 1980		-9.0	6.4	26.0	7.8
1990	1991	10.0	11.1	13.0	1.2
	1992				
	1993	-4.0	-0.8	3.0	1.6
	1994	-7.0	7.8	26.0	8.8
	1995	-6.0	7.7	20.0	7.2
	1996	-10.0	7.5	21.0	9.1
	1997	-10.0	7.9	21.0	9.6
	1998	-7.0	6.3	23.0	8.3
	1999	-8.0	-0.5	10.0	3.3
	2000	-8.0	7.0	23.0	7.9
Total 1990		-10.0	6.5	26.0	8.4
2000	2001	-8.0	5.0	21.0	8.7
	2002	-1.0	11.5	21.0	6.4
	2003	0.0	9.5	24.0	6.4
	2004	1.0	8.7	23.0	5.5
	2005	1.0	9.0	23.0	6.3
	2006	1.0	9.6	23.0	6.3
	2007	0.0	8.8	23.0	6.6
	2008	0.0	7.5	20.0	5.3
	2009	1.0	8.0	25.0	5.9
	2010	0.0	4.6	22.0	4.2
Total 2000		-8.0	8.2	25.0	6.4
2010	2011	0.0	6.9	22.0	5.9
	2012	0.0	6.8	23.0	5.3
	2013	0.0	8.8	23.0	6.8
	2014	1.0	9.8	24.0	6.3
	2015	1.0	10.4	25.0	6.4
	2016	1.0	4.5	15.0	2.8
Total 2010		0.0	8.3	25.0	6.2
Total general		-10.0	7.8	29.0	7.5

Estacion	26192
NOMBRE	CABULLONA
ESTADO	SONORA

Temp Max (°C)					
Década	Año	Mín.	Prom.	Máx.	Desv. Est.
1970	1975	32.0	35.4	39.0	1.7
	1976	8.5	27.1	40.0	7.3
	1977	7.1	28.2	45.0	9.4
	1978	7.0	26.7	48.0	9.2
	1979	6.0	25.7	43.0	9.9
	1980	8.0	27.7	44.0	7.9
Total 1970		6.0	27.5	48.0	8.7
1980	1981	6.0	27.1	42.0	7.3
	1982	8.0	29.2	45.0	8.9
	1983	12.0	29.0	44.0	9.1
	1984	10.0	27.4	46.0	8.4
	1985	10.0	29.3	40.0	7.1
	1986	7.0	26.3	40.0	6.9
	1987	10.0	19.2	25.0	3.3
	1989				
	1990				
Total 1980		6.0	27.8	46.0	8.1
1990	1991	29.0	36.7	43.0	4.3
	1992				
	1993	13.0	21.3	31.0	3.8
	1994	8.0	27.4	44.0	8.2
	1995	8.0	29.4	43.0	10.5
	1996	10.0	29.9	41.0	6.7
	1997	5.0	27.7	43.0	9.1
	1998	7.0	27.6	43.0	8.0
	1999	11.0	24.2	36.0	5.5
	2000	10.0	27.0	40.0	7.5
Total 1990		5.0	27.9	44.0	8.1
2000	2001	8.0	25.9	40.0	8.0
	2002	3.0	26.5	38.0	6.6
	2003	7.0	23.9	39.0	7.9
	2004	4.0	21.8	36.0	8.1
	2005	3.0	23.1	38.0	7.9
	2006	2.0	22.2	36.0	6.8
	2007	1.0	21.7	36.0	8.1
	2008	2.0	21.4	36.0	8.1
	2009	4.0	21.6	35.0	9.0
	2010	3.0	20.3	37.0	9.0
Total 2000		1.0	22.6	40.0	8.2
2010	2011	3.0	23.6	39.0	8.5
	2012	6.0	28.1	41.0	7.4
	2013	5.0	24.6	41.0	8.4
	2014	9.0	27.5	42.0	6.9
	2015	8.0	27.2	41.0	7.5
	2016	9.0	23.4	33.0	5.9
Total 2010		3.0	26.0	42.0	7.9
Total general		1.0	25.8	48.0	8.5



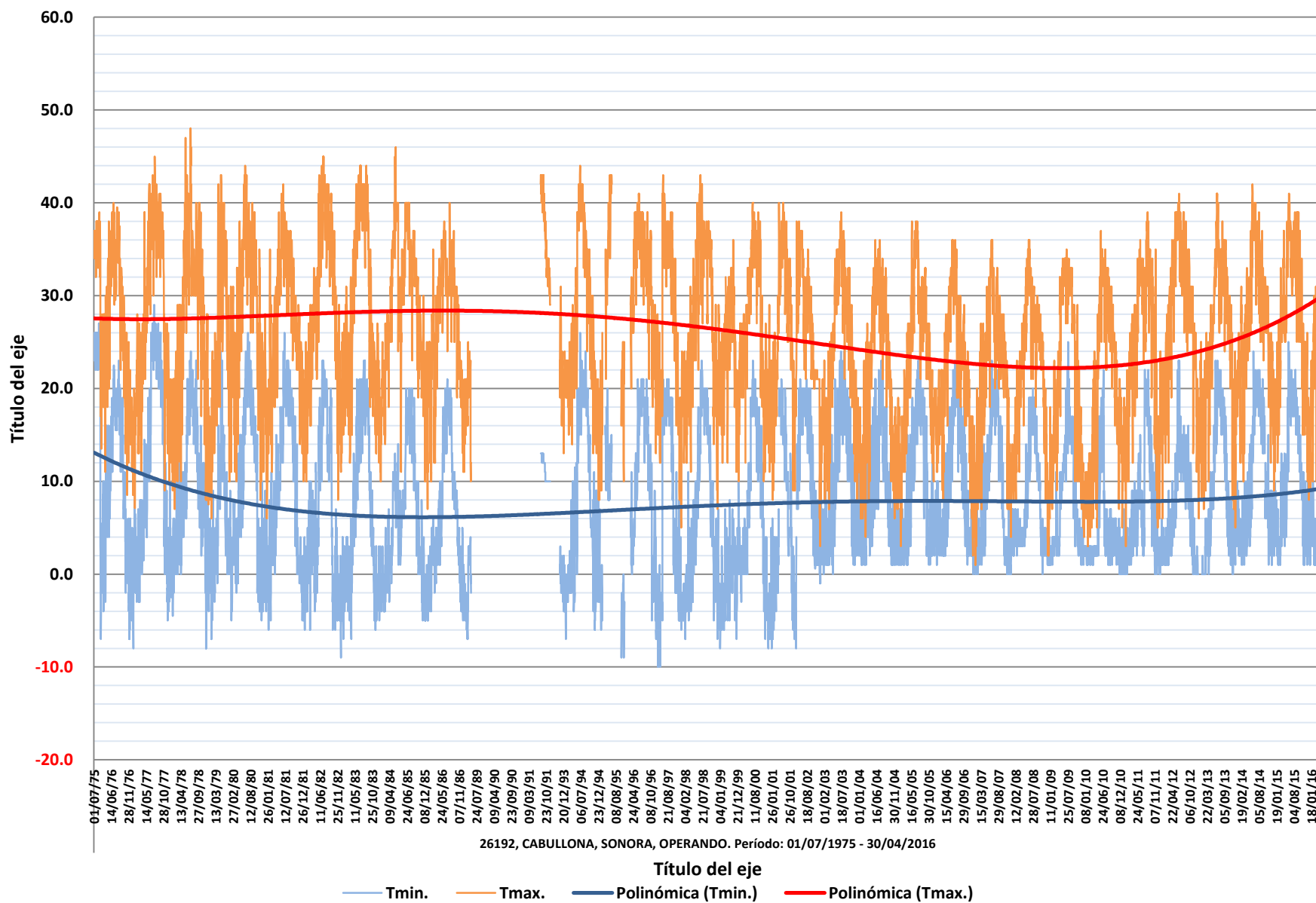
SEMARNAT
SECRETARÍA DE MEDIO AMBIENTE
Y RECURSOS NATURALES



CONAGUA
COMISIÓN NACIONAL DEL AGUA

ESTACIONES CLIMATOLÓGICAS

Registro Diario de Temperaturas Mínima y Máxima



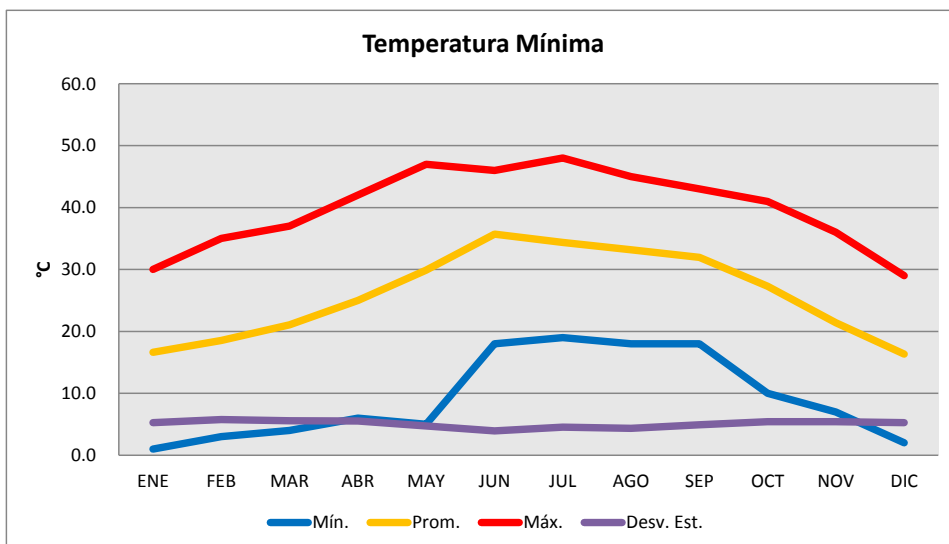
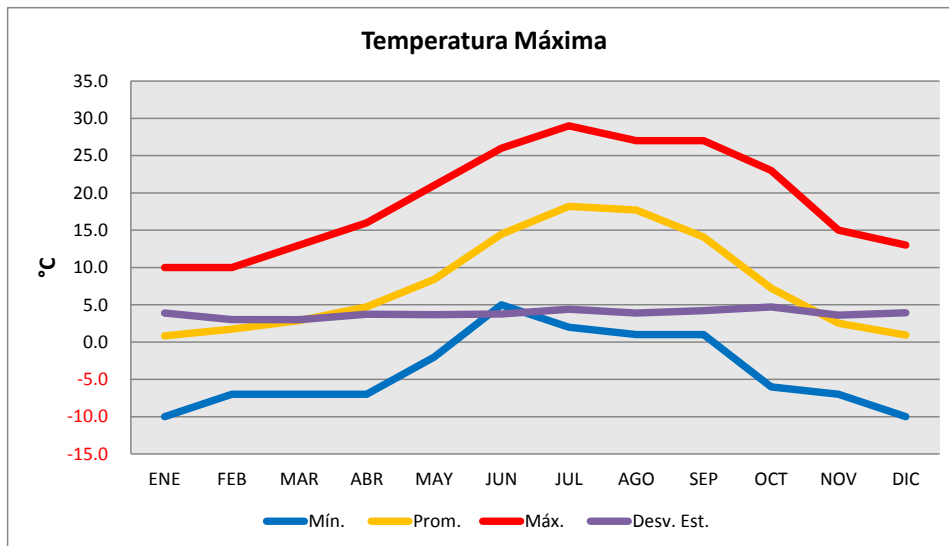


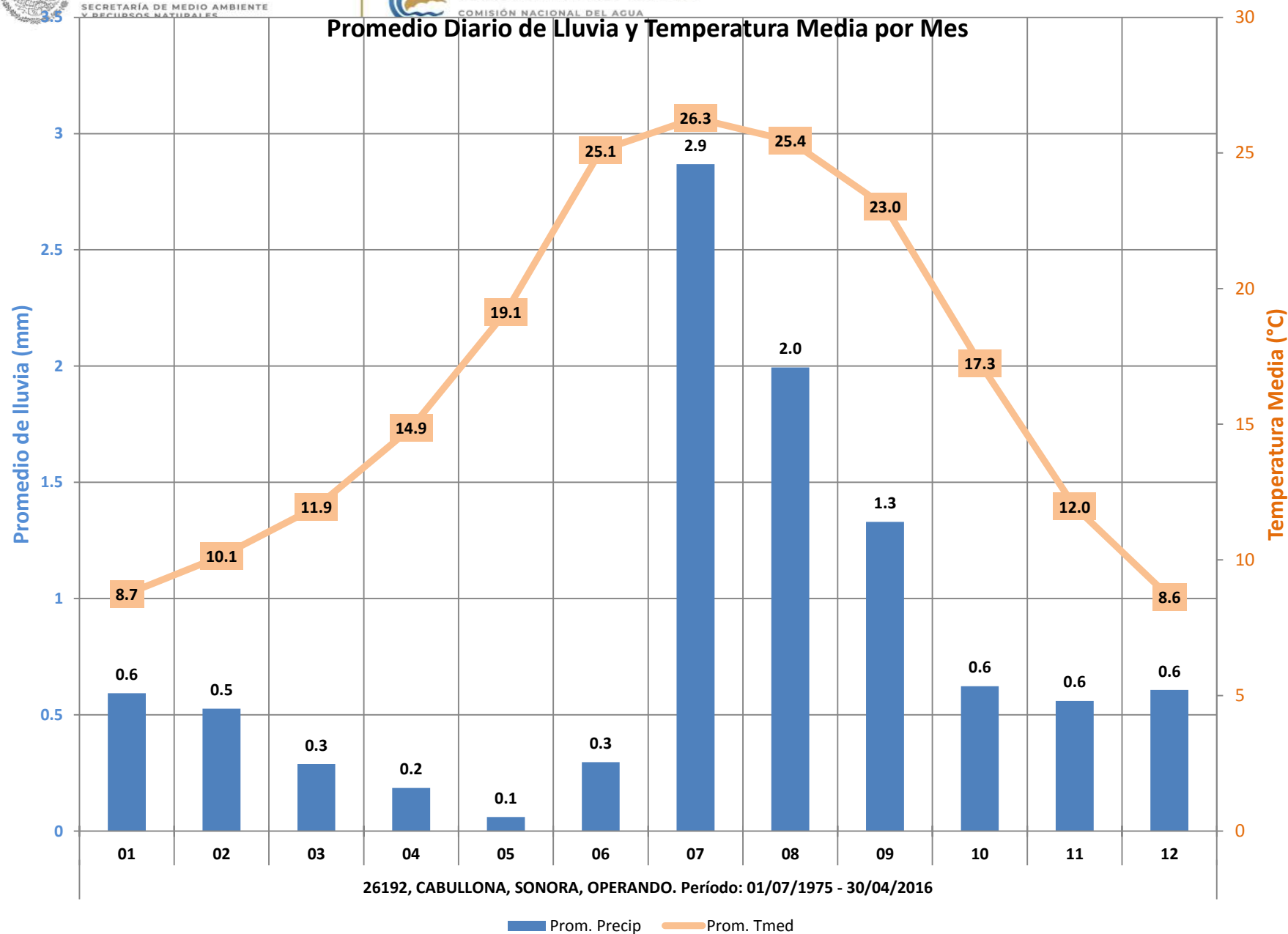
Estacion	26192
NOMBRE	CABULLONA
ESTADO	SONORA

Estacion	26192
NOMBRE	CABULLONA
ESTADO	SONORA

Temp Min (°C)					
Mes	Mín.	Prom.	Máx.	Desv. Est.	
ENE	-10.0	0.8	10.0	3.9	
FEB	-7.0	1.8	10.0	3.0	
MAR	-7.0	2.9	13.0	3.0	
ABR	-7.0	4.7	16.0	3.7	
MAY	-2.0	8.4	21.0	3.7	
JUN	5.0	14.5	26.0	3.8	
JUL	2.0	18.2	29.0	4.4	
AGO	1.0	17.7	27.0	3.9	
SEP	1.0	14.1	27.0	4.2	
OCT	-6.0	7.2	23.0	4.7	
NOV	-7.0	2.5	15.0	3.6	
DIC	-10.0	0.9	13.0	3.9	
Total general	-10.0	7.8	29.0	7.5	

Temp Max (°C)					
Mes	Mín.	Prom.	Máx.	Desv. Est.	
ENE	1.0	16.6	30.0	5.3	
FEB	3.0	18.5	35.0	5.8	
MAR	4.0	21.0	37.0	5.6	
ABR	6.0	25.0	42.0	5.5	
MAY	5.0	29.9	47.0	4.7	
JUN	18.0	35.7	46.0	3.9	
JUL	19.0	34.4	48.0	4.5	
AGO	18.0	33.2	45.0	4.3	
SEP	18.0	32.0	43.0	4.9	
OCT	10.0	27.3	41.0	5.4	
NOV	7.0	21.4	36.0	5.4	
DIC	2.0	16.3	29.0	5.3	
Total general	1.0	25.8	48.0	8.5	





Estacion	26192
NOMBRE	CABULLONA
ESTADO	SONORA

		Promedios											
		Estación Primavera			Verano			Otoño			Invierno		
Década	Año	Lluvia (mm)	T min (°C)	T max (°C)	Lluvia (mm)	T min (°C)	T max (°C)	Lluvia (mm)	T min (°C)	T max (°C)	Lluvia (mm)	T min (°C)	T max (°C)
1970	1975				2.5	24.4	35.4						
	1976	0.4	8.3	28.0	2.8	17.7	33.9	0.9	4.5	21.6	0.7	-0.1	20.3
	1977	0.2	8.6	28.1	1.0	23.7	38.4	0.2	10.3	28.0	0.6	1.4	17.9
	1978	0.3	8.8	28.5	1.0	18.0	35.4	0.8	6.4	25.8	1.1	2.5	16.9
	1979	0.3	8.4	28.4	0.7	16.9	37.3	0.0	8.9	34.4	0.5	0.9	16.9
	1980	0.0	8.4	29.3	1.2	19.4	35.4	0.1	3.8	24.0	0.7	2.2	21.9
Total 1970		0.2	8.5	28.5	1.6	20.2	35.8	0.4	6.5	25.8	0.7	1.6	18.6
1980	1981	0.1	10.3	30.2	2.1	19.0	34.0	0.6	5.1	24.8	0.9	1.4	19.0
	1982	0.0	5.3	30.9	1.7	17.1	38.8	0.3	1.1	27.8	0.2	0.2	19.1
	1983	0.0	6.3	31.2	0.7	18.4	40.0	1.5	2.5	23.4	0.6	-0.9	21.3
	1984	0.1	5.3	32.5	3.3	11.0	39.2				0.2	-1.2	20.2
	1985	0.7	7.5	31.5	1.9	14.8	34.9	1.2	1.2	23.3	0.0	-2.7	15.6
	1986	0.3	6.5	30.0	1.0	15.5	32.0	1.5	2.8	23.4	0.5	0.2	19.6
1990	1987										0.0	-1.3	19.2
	1989	0.0			1.8			0.0			0.0		
	1990	0.2			2.8			0.8			0.4		
	Total 1980	0.2	6.8	31.0	1.7	16.8	36.0	0.9	2.5	24.5	0.4	-0.2	19.6
	1991	0.0			3.1	12.8	41.5	1.1	10.6	35.3	1.2		
	1992	2.2						0.4			1.2		
2000	1993							0.6	-0.6	21.8	0.8	-1.2	19.5
	1994	0.0	8.1	29.7	1.3	19.1	36.8	1.7	4.1	23.1	0.6	-0.0	20.8
	1995	0.0	12.4	34.9	1.9	12.3	42.0	0.0			1.2	-1.6	16.3
	1996	0.0	8.1	33.4	2.3	17.8	34.4	0.2	2.2	26.3	0.0	-4.7	21.0
	1997				1.7	18.2	36.3	1.1	3.6	24.6	1.0	-3.2	17.5
	1998	0.3	5.2	28.7	2.4	17.7	36.1	0.7	4.2	25.1	0.5	-2.1	20.2
2010	1999	0.0	0.4	29.3				0.1	1.1	23.8	0.0	-1.8	22.0
	2000	0.0	7.5	30.0	1.4	17.1	35.5	2.2	3.7	22.9	0.1	1.3	22.7
	Total 1990	0.1	7.0	31.0	2.0	17.7	36.2	1.0	3.9	25.5	0.5	-1.3	20.6
	2001	0.0	1.5	27.9	2.7	17.2	35.2	0.7	3.3	25.4	0.4	-1.8	19.3
	2002	0.0	12.2	31.6	3.5	17.6	30.4	0.4	5.9	22.0	0.7	3.8	10.5
	2003	0.0	8.3	26.6	0.7	17.9	32.4	0.5	7.3	21.0	0.4	4.3	15.5
2020	2004	0.4	9.1	25.8	2.0	15.5	29.9	0.9	5.8	17.7	0.9	4.5	13.8
	2005	0.1	8.2	25.5	1.5	17.3	30.8	0.0	6.6	22.0	1.5	3.8	13.8
	2006	0.0	9.5	26.7	4.2	17.8	27.4	0.4	5.6	18.9	0.1	5.3	15.7
	2007	0.5	9.2	24.4	2.0	17.8	29.0	0.3	5.0	20.2	0.3	3.0	12.9
	2008	0.0	6.3	26.3	3.6	15.3	28.0	0.4	4.5	18.9	0.0	4.1	12.5
	2009	0.0	6.5	23.6	1.5	15.9	31.2	0.1	5.3	17.4	0.1	2.4	10.7
2030	2010	0.1	6.1	22.1	1.8	7.0	29.9	0.3	3.3	19.8	1.2	2.1	9.3
	Total 2000	0.1	8.0	25.5	2.3	15.9	30.3	0.4	5.3	20.3	0.6	3.1	13.8
	2011	0.0	6.5	26.1	1.6	13.3	32.1	0.8	5.8	21.5	0.0	2.3	15.1
	2012	0.0	7.3	32.3	2.4	13.2	34.2	0.1	4.3	26.1	0.0	2.3	19.7
	2013	0.0	8.3	25.5	3.1	17.6	33.9	0.3	4.9	23.2	0.1	1.7	15.7
	2014	0.0	8.8	31.0	3.5	18.3	33.4	0.0	7.2	24.8	0.3	4.9	20.7
2040	2015	0.0	10.4	31.8	2.5	18.5	34.4	0.8	7.7	23.4	0.6	5.0	20.9
	2016	0.0	5.1	26.4							0.4	4.3	21.9
Total 2010		0.0	7.9	29.0	2.6	16.2	33.6	0.4	6.0	23.8	0.2	3.5	18.9
Total general		0.1	7.7	28.6	2.1	17.1	33.7	0.6	4.8	23.5	0.5	1.5	17.8



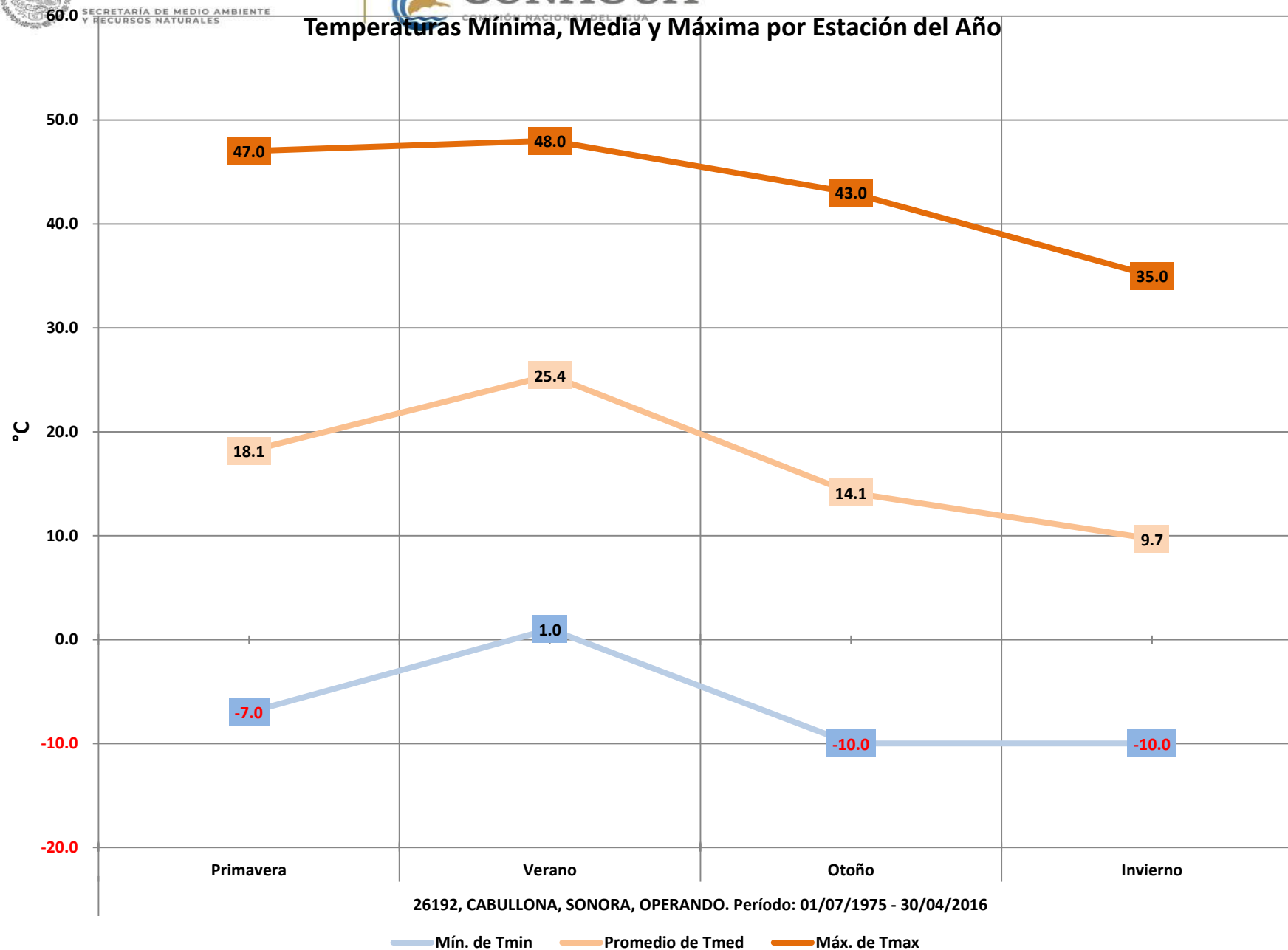
SEMARNAT

SECRETARÍA DE MEDIO AMBIENTE
Y RECURSOS NATURALES

CONAGUA

COMISIÓN NACIONAL DEL AGUA

Temperaturas Mínima, Media y Máxima por Estación del Año





SEMARNAT
SECRETARÍA DE MEDIO AMBIENTE
Y RECURSOS NATURALES



CONAGUA
COMISIÓN NACIONAL DEL AGUA

Lluvia Promedio y Máxima, por Estación del Año

