



Datos de la Estación

ESTACIÓN:	26062
NOMBRE:	NOGALES (DGE)
ESTADO:	SONORA
MUNICIPIO:	NOGALES
LATITUD (°):	31.3186
LONGITUD (°):	-110.9458
ALTURA (msn):	1,200
SITUACIÓN:	OPERANDO
DATOS DESDE:	1 de octubre de 1963
HASTA:	30 de abril de 2016

Inventario de Registros por Década Año

Estacion	26062					
N° de Casos						
Decada	Año	Lluvia	Temp min	Temp max	Temp amb	Evaporación
1960	1963	92	92	92	92	
	1964	366	366	366	366	347
	1965	365	365	365	365	363
	1966	210	209	210	209	209
	1967	120	120	120	120	119
	1969	365	358	355	353	360
	1970	31	31	31	31	31
Total 1960		1,549	1,541	1,539	1,536	1,429
1970	1975	61	61	61	61	61
	1976	91	91	91	91	91
Total 1970		152	152	152	152	152
1980	1981	223	222	223	222	138
	1982	304	300	299	304	288
	1983	183	183	183	183	91
	1985	166	165	166	165	165
	1986	299	299	296	299	298
	1987	354	353	354	353	352
	1988	366	366	366		
	1989	365	365	365	31	
	1990	365	365	365		
	Total 1980		2,625	2,618	2,617	1,557
1990	1991	365	365	365		
	1992	363	363	363		
	1993	355	354	355	122	122
	1994	365	365	365	365	365
	1995	359	358	359	358	358
	1996	363	362	363	362	363
	1997	352	351	352	351	350
	1998	365	343	343	343	341
	1999	218	158	158	158	127
	2000	335	335	335	335	
Total 1990		3,440	3,354	3,358	2,394	2,026
2000	2001	181	181	181	181	
	2002	231	225	226	115	175
	2003	364	362	362	354	250
	2004	365	333	330	329	271
	2005	365	340	339	338	313
	2006	364	362	360	340	323
	2007	350	347	347	347	317
	2008	366	364	364	364	336
	2009	365	365	365	362	342
	2010	365	361	361	356	266
Total 2000		3,316	3,240	3,235	3,086	2,593
2010	2011	365	363	363	358	142
	2012	366	366	365	365	253
	2013	365	364	363	361	11
	2014	365	365	365	364	
	2015	342	340	340	338	26
	2016	121	119	118	119	103
Total 2010		1,924	1,917	1,914	1,905	535



Datos de la Estación

ESTACIÓN:	26062
NOMBRE:	NOGALES (DGE)
ESTADO:	SONORA
MUNICIPIO:	NOGALES

Inventario de Registros por Década Año

Estacion 26062

		N°de Casos				
Decada	Año	Lluvia	Temp min	Temp max	Temp amb	Evaporación
Total general		13,006	12,822	12,815	10,630	8,067



Estacion	26062
NOMBRE	NOGALES (DGE)
ESTADO	SONORA

Lluvia (mm)					
Década	Año	Mín.	Prom.	Máx.	Desv. Est.
1960	1963	0.0	0.9	25.0	4.0
	1964	0.0	1.1	31.2	3.9
	1965	0.0	2.2	87.5	8.6
	1966	0.0	1.6	60.7	6.2
	1967	0.0	0.6	21.0	2.6
	1969	0.0	1.7	104.0	7.6
	1970	0.0	1.2	12.5	3.1
Total 1960		0.0	1.5	104.0	6.4
1970	1975	0.0	0.8	36.0	4.7
	1976	0.0	0.6	21.8	2.7
Total 1970		0.0	0.7	36.0	3.6
1980	1981	0.0	1.6	29.0	4.8
	1982	0.0	1.1	51.0	4.3
	1983	0.0	2.2	60.0	7.8
	1985	0.0	2.0	33.1	5.7
	1986	0.0	1.2	34.6	4.7
	1987	0.0	1.1	62.3	4.8
	1988	0.0	1.6	65.7	6.5
	1989	0.0	1.1	117.5	7.0
	1990	0.0	1.8	42.0	5.9
Total 1980		0.0	1.4	117.5	5.8
1990	1991	0.0	1.6	45.0	6.0
	1992	0.0	1.7	74.0	7.1
	1993	0.0	1.3	34.0	4.3
	1994	0.0	1.6	70.0	6.8
	1995	0.0	1.3	45.0	5.1
	1996	0.0	1.0	34.0	4.2
	1997	0.0	1.1	37.0	4.2
	1998	0.0	1.4	48.0	5.3
	1999	0.0	0.8	26.0	3.3
	2000	0.0	1.8	57.0	7.1
Total 1990		0.0	1.4	74.0	5.6
2000	2001	0.0	0.4	20.0	1.9
	2002	0.0	2.6	152.0	16.0
	2003	0.0	0.9	31.5	3.2
	2004	0.0	1.0	70.0	4.9
	2005	0.0	0.5	16.5	2.0
	2006	0.0	1.0	38.5	4.0
	2007	0.0	0.8	39.0	3.3
	2008	0.0	0.9	24.5	3.4
	2009	0.0	0.6	23.0	2.7
	2010	0.0	1.5	59.5	6.7
Total 2000		0.0	1.0	152.0	5.7
2010	2011	0.0	0.7	47.5	4.0
	2012	0.0	0.9	21.5	3.3
	2013	0.0	0.7	25.5	3.2
	2014	0.0	1.7	53.0	6.9
	2015	0.0	2.4	65.0	8.6
	2016	0.0	1.5	65.0	7.9
Total 2010		0.0	1.3	65.0	5.8
Total general		0.0	1.3	152.0	5.8

Estacion	26062
NOMBRE	NOGALES (DGE)
ESTADO	SONORA

Evap (mm)					
Década	Año	Mín.	Prom.	Máx.	Desv. Est.
1960	1963				
	1964	0.0	6.5	17.7	3.3
	1965	0.3	7.0	16.1	3.5
	1966	0.6	4.7	13.3	2.1
	1967	1.1	5.6	15.5	2.6
	1969	0.3	6.5	14.7	3.5
	1970	1.1	3.4	5.7	1.2
Total 1960		0.0	6.2	17.7	3.3
1970	1975	0.7	4.2	11.9	1.9
	1976	0.6	4.8	11.6	2.5
Total 1970		0.6	4.5	11.9	2.3
1980	1981	0.6	4.0	10.2	2.1
	1982	0.1	5.0	14.3	3.0
	1983	0.3	5.6	12.6	2.6
	1985	0.7	5.5	13.3	2.8
	1986	0.1	4.9	12.8	2.7
	1987	0.1	5.6	15.4	3.2
	1988				
	1989				
	1990				
Total 1980		0.1	5.1	15.4	2.9
1990	1991				
	1992				
	1993	0.6	3.4	7.6	1.6
	1994	0.2	5.1	13.0	2.9
	1995	0.0	5.0	12.7	2.6
	1996	0.6	5.7	14.1	3.0
	1997	0.2	5.6	14.9	3.3
	1998	0.4	5.3	14.1	3.1
	1999	1.4	5.6	14.0	2.5
	2000				
Total 1990		0.0	5.2	14.9	2.9
2000	2001				
	2002	0.0	7.2	18.0	5.0
	2003	0.0	6.6	16.5	3.8
	2004	0.0	6.7	17.7	4.0
	2005	0.2	7.0	17.0	3.8
	2006	0.5	7.5	17.4	3.6
	2007	0.1	7.3	18.0	4.1
	2008	0.0	7.1	17.7	4.0
	2009	0.5	7.4	16.3	3.8
	2010	0.1	7.3	16.4	3.5
Total 2000		0.0	7.2	18.0	3.9
2010	2011	0.1	6.0	14.5	3.8
	2012	0.6	6.8	18.0	3.9
	2013	0.8	3.2	8.1	2.1
	2014				
	2015	0.7	3.9	9.3	2.2
	2016	0.0	6.8	15.1	3.3
Total 2010		0.0	6.4	18.0	3.8
Total general		0.0	6.1	18.0	3.5

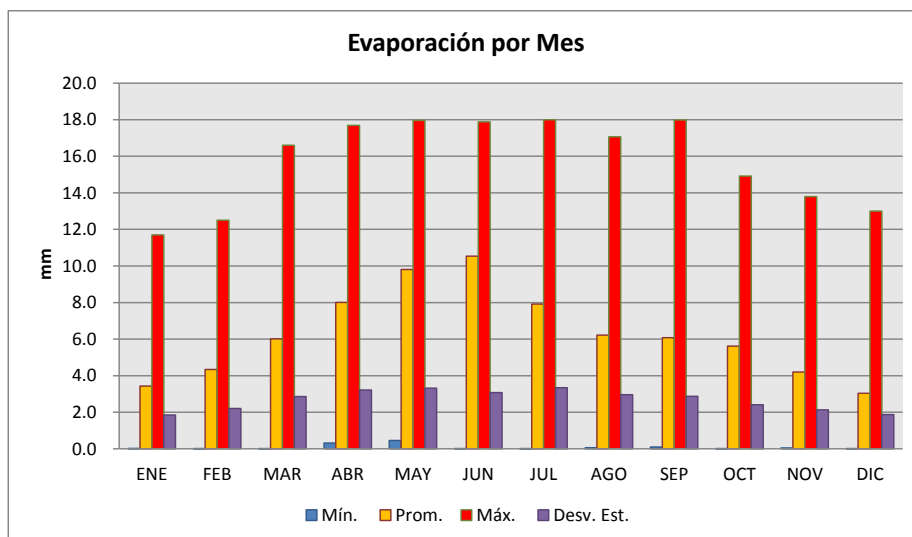
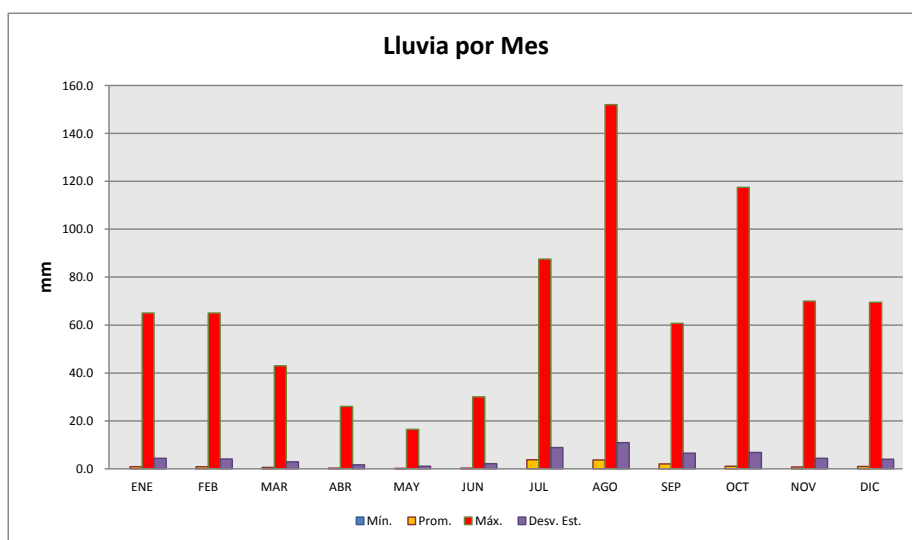


Estación	26062
NOMBRE	NOGALES (DGE)
ESTADO	SONORA

Estación	26062
NOMBRE	NOGALES (DGE)
ESTADO	SONORA

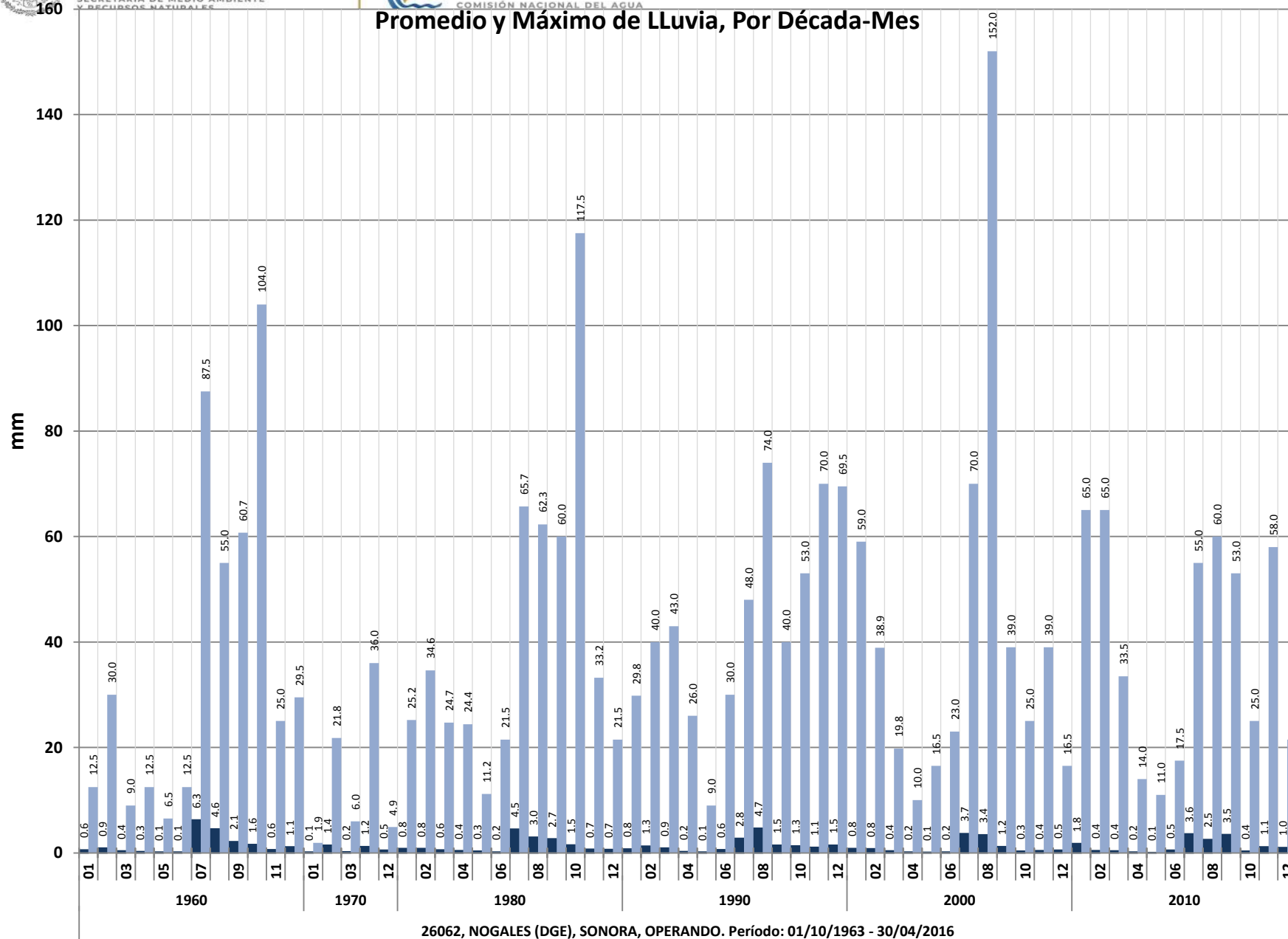
Lluvia (mm)				
Mes	Mín.	Prom.	Máx.	Desv. Est.
ENE	0.0	0.9	65.0	4.4
FEB	0.0	0.9	65.0	4.1
MAR	0.0	0.6	43.0	2.9
ABR	0.0	0.2	26.0	1.6
MAY	0.0	0.2	16.5	1.1
JUN	0.0	0.3	30.0	2.2
JUL	0.0	3.8	87.5	8.9
AGO	0.0	3.7	152.0	10.9
SEP	0.0	2.0	60.7	6.5
OCT	0.0	1.0	117.5	6.8
NOV	0.0	0.8	70.0	4.4
DIC	0.0	0.9	69.5	4.0
Total general	0.0	1.3	152.0	5.8

Evap (mm)				
Mes	Mín.	Prom.	Máx.	Desv. Est.
ENE	0.0	3.4	11.7	1.8
FEB	0.0	4.3	12.5	2.2
MAR	0.0	6.0	16.6	2.9
ABR	0.3	8.0	17.7	3.2
MAY	0.4	9.8	18.0	3.3
JUN	0.0	10.5	17.9	3.1
JUL	0.0	7.9	18.0	3.3
AGO	0.1	6.2	17.1	3.0
SEP	0.1	6.1	18.0	2.9
OCT	0.0	5.6	14.9	2.4
NOV	0.1	4.2	13.8	2.1
DIC	0.0	3.0	13.0	1.9
Total general	0.0	6.1	18.0	3.5



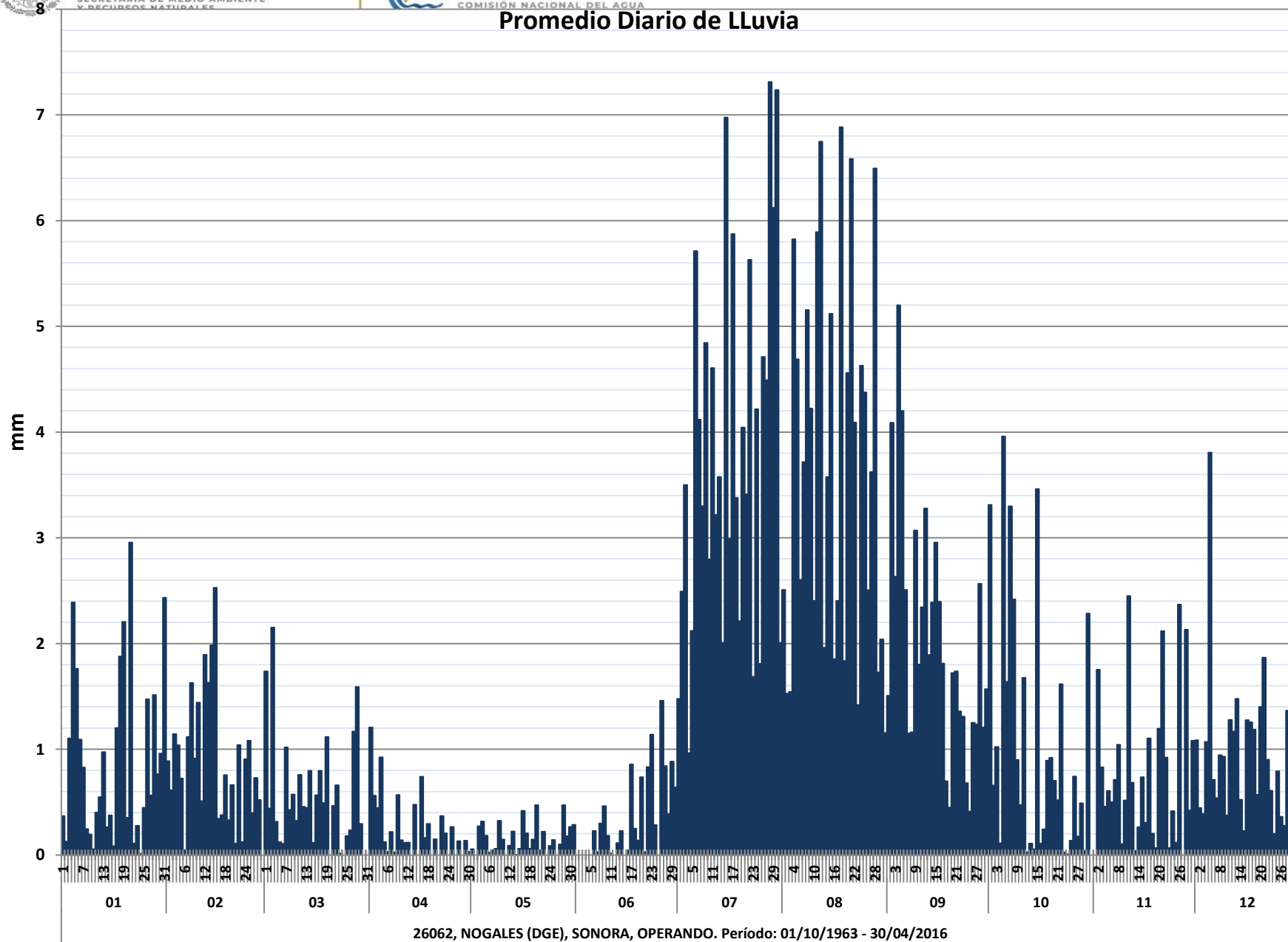


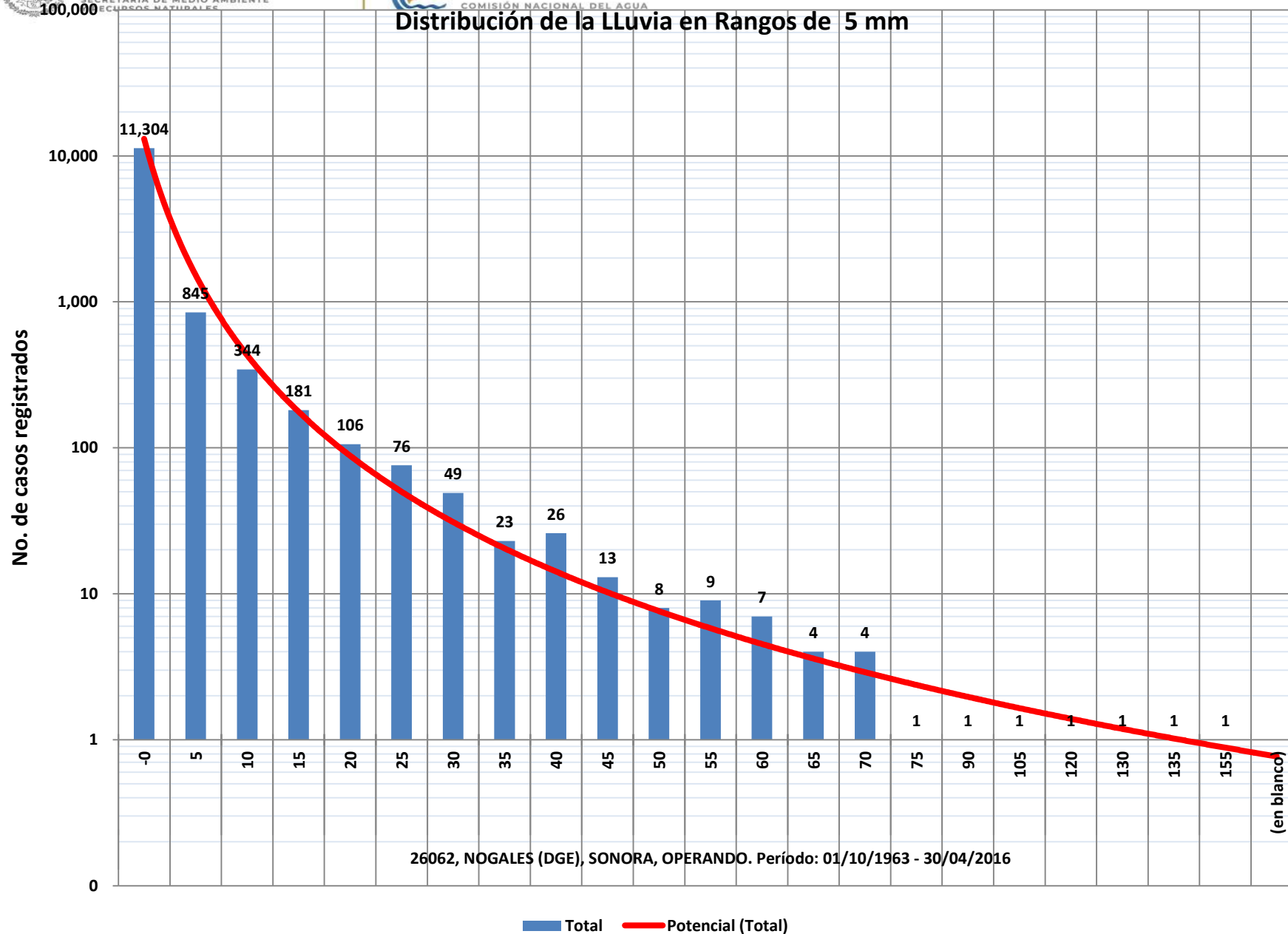
Promedio y Máximo de Lluvia, Por Década-Mes





Promedio Diario de Lluvia





Estacion	26062
NOMBRE	NOGALES (DGE)
ESTADO	SONORA

Década	Año	Temp Min (°C)				
		Mín.	Prom.	Máx.	Desv. Est.	
1960	1963	-5.5	4.1	16.0	5.3	
	1964	-10.0	8.2	24.2	8.4	
	1965	-6.0	9.4	23.0	6.7	
	1966	-6.8	7.5	21.0	7.4	
	1967	-4.8	6.5	22.0	7.1	
	1969	-6.0	8.8	23.0	6.9	
	1970	-4.0	0.6	5.0	2.7	
Total 1960		-10.0	8.0	24.2	7.4	
1970	1975	-3.5	3.1	9.5	3.2	
	1976	-7.0	3.0	9.0	3.1	
Total 1970		-7.0	3.0	9.5	3.1	
1980	1981	-4.0	13.3	24.0	6.9	
	1982	-4.0	9.3	24.0	6.5	
	1983	-4.0	12.0	23.0	6.1	
	1985	-1.0	13.9	23.0	5.8	
	1986	-4.0	8.7	22.0	5.7	
	1987	-10.0	10.0	25.0	7.0	
	1988	-6.0	10.0	23.0	7.4	
	1989	-5.0	10.9	24.0	6.9	
	1990	-8.0	10.1	25.0	7.1	
Total 1980		-10.0	10.6	25.0	6.9	
1990	1991	-4.0	9.8	21.5	6.7	
	1992	-4.0	10.0	22.0	6.7	
	1993	-3.0	10.6	25.0	6.6	
	1994	-4.0	10.8	27.0	7.4	
	1995	-4.0	10.9	23.0	6.5	
	1996	-4.0	11.2	22.0	6.6	
	1997	-6.0	10.9	23.0	7.3	
	1998	-4.0	10.1	25.0	7.2	
	1999	-3.0	7.2	19.0	5.9	
	2000	-8.0	8.5	22.0	7.9	
Total 1990		-8.0	10.2	27.0	7.0	
2000	2001	-9.0	1.5	15.0	5.1	
	2002	0.0	14.8	27.0	6.2	
	2003	-2.0	11.5	24.0	6.9	
	2004	-9.0	9.8	24.0	7.0	
	2005	-2.0	11.2	24.0	6.7	
	2006	-3.0	9.8	23.0	6.7	
	2007	-7.0	9.8	23.0	6.8	
	2008	-3.0	9.2	22.0	6.5	
	2009	-4.0	11.8	25.0	7.1	
	2010	-4.0	11.0	25.0	7.2	
Total 2000		-9.0	10.3	27.0	7.2	
2010	2011	-8.0	11.2	26.0	7.3	
	2012	-3.0	11.5	24.0	6.8	
	2013	-7.0	10.7	25.0	6.8	
	2014	-4.0	9.8	26.0	6.2	
	2015	-3.0	10.0	25.0	6.1	
	2016	-3.0	2.9	11.0	2.7	
Total 2010		-8.0	10.2	26.0	6.8	
Total general		-10.0	9.9	27.0	7.1	

Estacion	26062
NOMBRE	NOGALES (DGE)
ESTADO	SONORA

Década	Año	Temp Max (°C)				
		Mín.	Prom.	Máx.	Desv. Est.	
1960	1963	5.0	22.2	33.0	6.3	
	1964	5.0	23.7	40.0	8.5	
	1965	5.0	24.3	39.0	7.5	
	1966	7.1	21.1	33.5	6.9	
	1967	7.4	20.8	34.5	6.9	
	1969	3.0	23.8	39.0	7.5	
	1970	9.0	15.3	21.0	3.8	
Total 1960		3.0	23.0	40.0	7.7	
1970	1975	6.0	18.1	28.0	5.6	
	1976	5.5	18.2	26.0	4.3	
Total 1970		5.5	18.1	28.0	4.9	
1980	1981	10.0	28.4	39.0	6.4	
	1982	8.0	26.3	41.0	7.0	
	1983	5.0	26.0	41.0	8.0	
	1985	11.5	27.5	39.0	6.5	
	1986	6.0	23.2	38.0	6.3	
	1987	1.0	24.4	38.0	7.6	
	1988	6.0	25.0	38.5	7.1	
	1989	10.0	27.7	41.0	6.8	
	1990	3.0	24.3	41.5	7.5	
Total 1980		1.0	25.7	41.5	7.2	
1990	1991	4.0	24.0	39.0	7.6	
	1992	6.0	24.2	39.5	7.8	
	1993	8.0	24.9	40.0	7.2	
	1994	5.0	25.1	41.0	7.7	
	1995	6.0	25.6	42.0	7.2	
	1996	7.0	25.9	39.0	7.0	
	1997	2.0	25.3	41.0	8.2	
	1998	7.0	24.8	41.0	7.9	
	1999	7.0	23.3	35.0	5.7	
	2000	9.0	27.6	40.5	7.3	
Total 1990		2.0	25.2	42.0	7.5	
2000	2001	5.0	28.5	46.0	9.9	
	2002	9.0	30.2	43.0	5.8	
	2003	10.0	26.4	43.0	7.4	
	2004	5.0	23.9	39.0	7.4	
	2005	3.0	25.9	40.0	7.6	
	2006	6.0	27.6	41.0	7.5	
	2007	7.0	26.9	41.0	8.3	
	2008	5.0	25.0	38.0	7.0	
	2009	9.0	25.8	39.0	6.9	
	2010	5.0	25.0	42.0	7.7	
Total 2000		3.0	26.3	46.0	7.7	
2010	2011	2.0	25.6	42.0	7.6	
	2012	6.0	26.1	39.0	6.7	
	2013	3.0	24.8	40.0	7.6	
	2014	6.0	26.2	41.0	6.9	
	2015	6.0	24.6	40.0	7.3	
	2016	5.0	21.2	36.0	6.0	
Total 2010		2.0	25.2	42.0	7.3	
Total general		1.0	25.2	46.0	7.6	



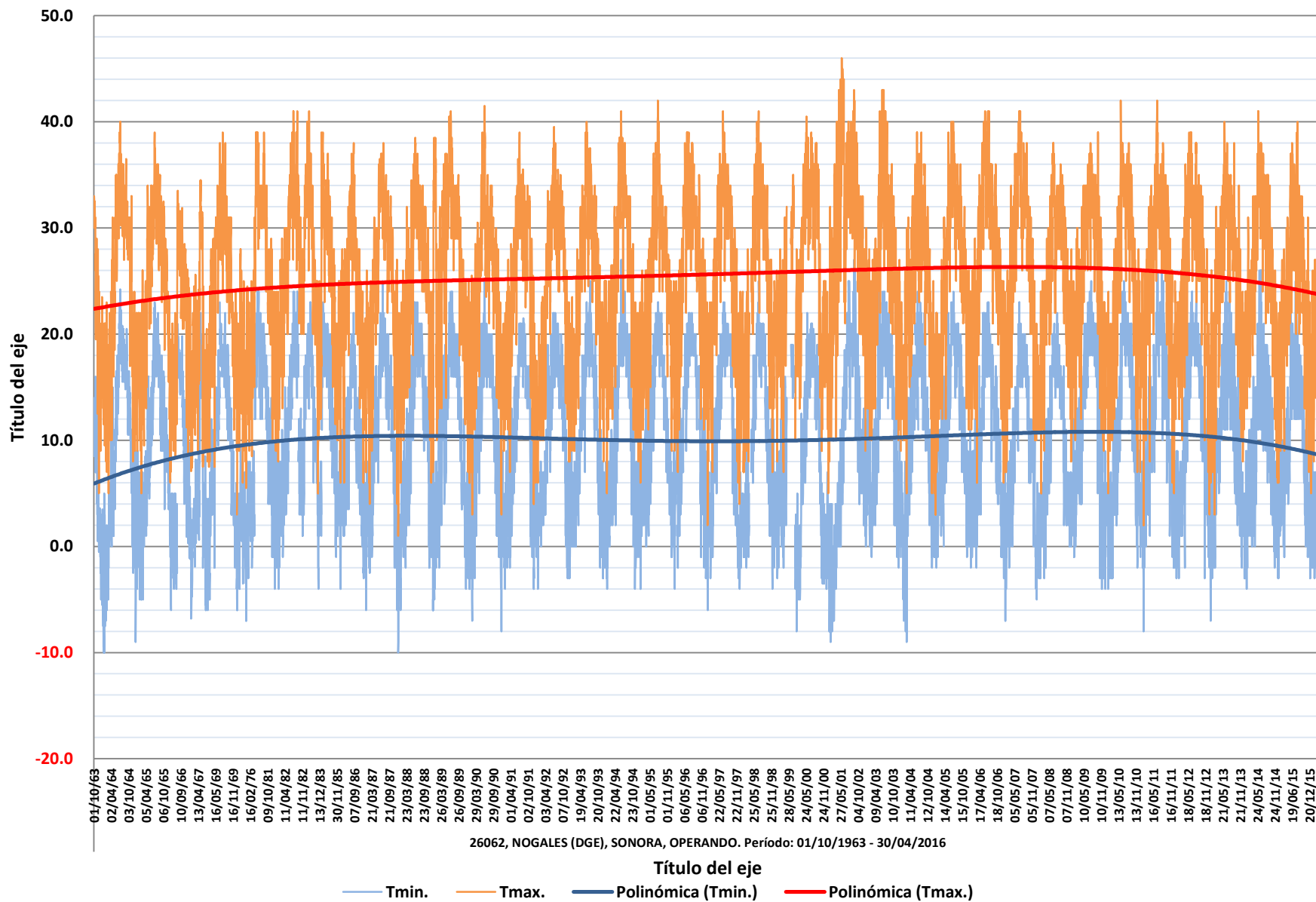
SEMARNAT
SECRETARÍA DE MEDIO AMBIENTE
Y RECURSOS NATURALES



CONAGUA
COMISIÓN NACIONAL DEL AGUA

ESTACIONES CLIMATOLÓGICAS

Registro Diario de Temperaturas Mínima y Máxima



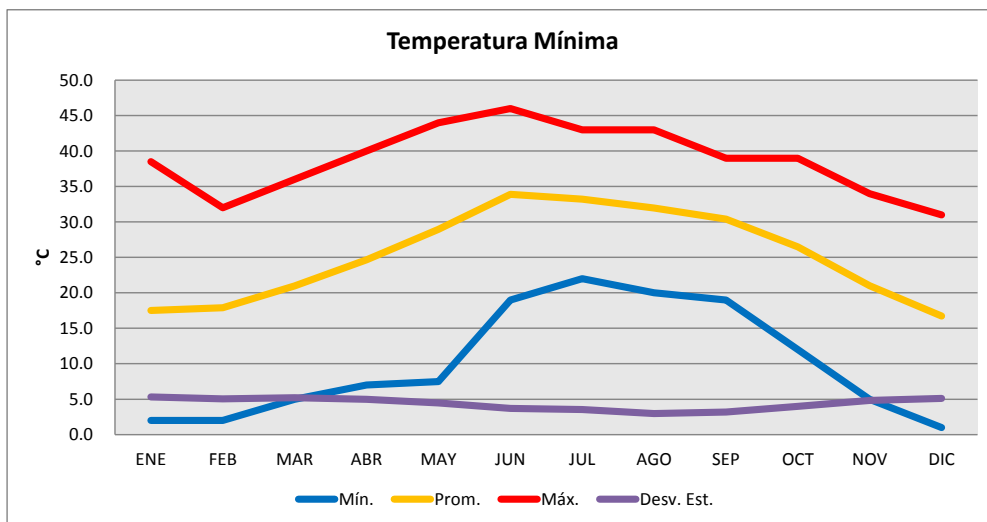
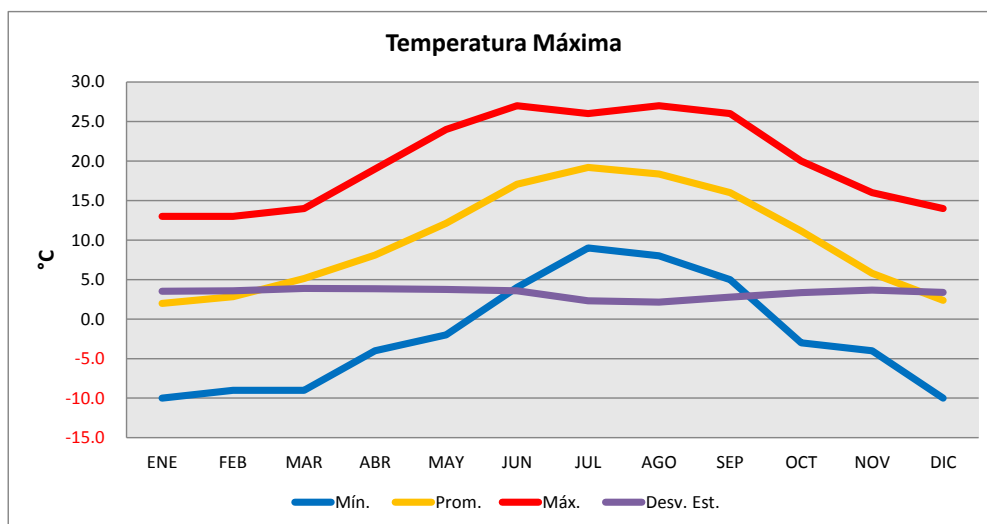


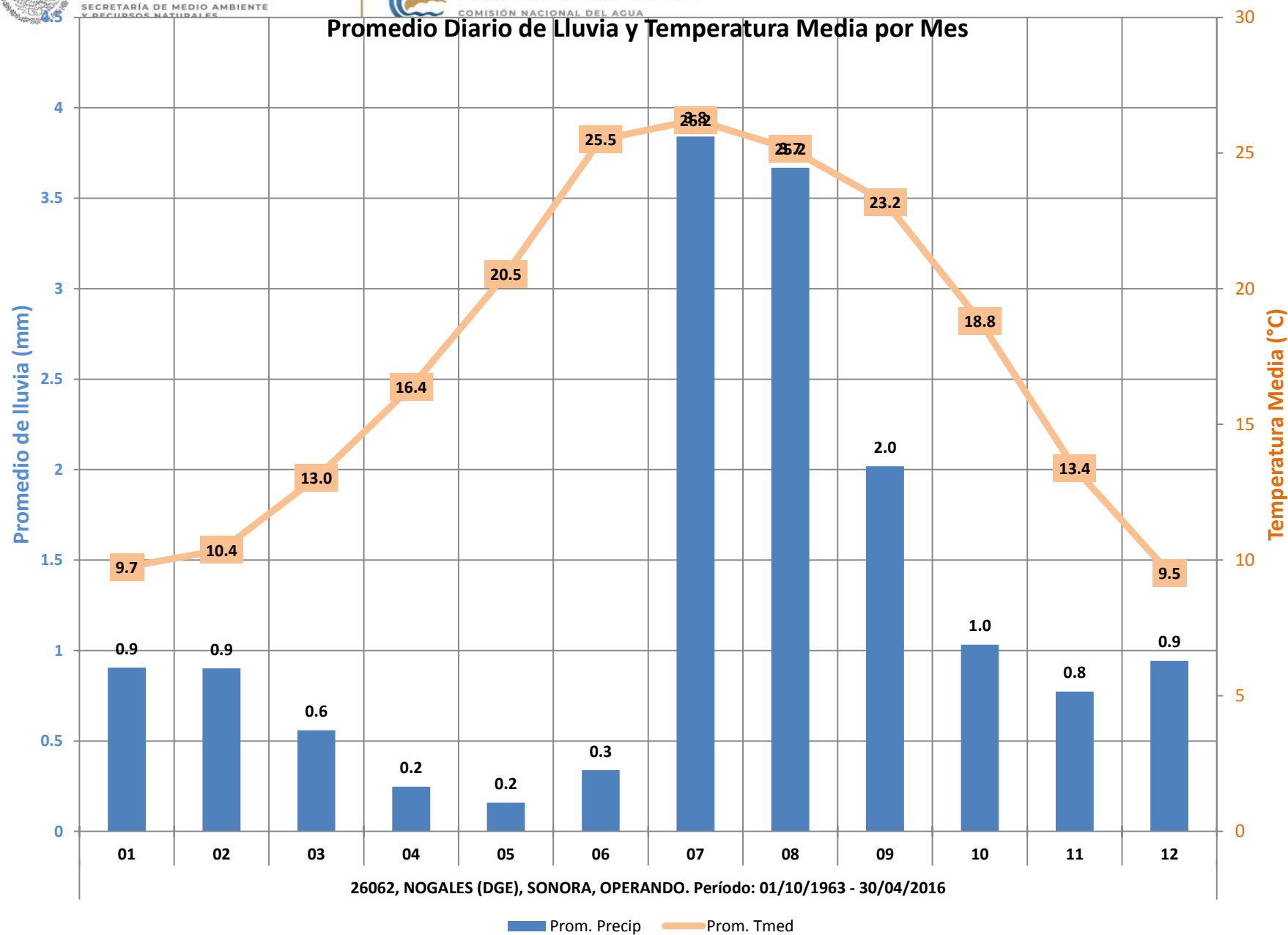
Estacion	26062
NOMBRE	NOGALES (DGE)
ESTADO	SONORA

Estacion	26062
NOMBRE	NOGALES (DGE)
ESTADO	SONORA

Temp Min (°C)					
Mes	Mín.	Prom.	Máx.	Desv. Est.	
ENE	-10.0	2.0	13.0	3.5	
FEB	-9.0	2.8	13.0	3.6	
MAR	-9.0	5.1	14.0	3.9	
ABR	-4.0	8.1	19.0	3.8	
MAY	-2.0	12.1	24.0	3.8	
JUN	4.0	17.1	27.0	3.6	
JUL	9.0	19.2	26.0	2.3	
AGO	8.0	18.4	27.0	2.1	
SEP	5.0	16.0	26.0	2.8	
OCT	-3.0	11.1	20.0	3.4	
NOV	-4.0	5.8	16.0	3.7	
DIC	-10.0	2.4	14.0	3.4	
Total general	-10.0	9.9	27.0	7.1	

Temp Max (°C)					
Mes	Mín.	Prom.	Máx.	Desv. Est.	
ENE		2.0	17.5	38.5	5.3
FEB		2.0	17.9	32.0	5.1
MAR		5.0	21.0	36.0	5.2
ABR		7.0	24.7	40.0	5.0
MAY		7.5	28.9	44.0	4.5
JUN		19.0	33.9	46.0	3.7
JUL		22.0	33.2	43.0	3.6
AGO		20.0	32.0	43.0	3.0
SEP		19.0	30.4	39.0	3.2
OCT		12.0	26.5	39.0	4.0
NOV		5.0	21.0	34.0	4.8
DIC		1.0	16.7	31.0	5.1
Total general	1.0	25.2	46.0	7.6	





Estación	26062
NOMBRE	NOGALES (DGE)
ESTADO	SONORA

		Estación	Promedios														
Década	Año	Primavera				Verano				Otoño				Invierno			
		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)				
1960	1963																
	1964	0.1	9.3	25.4	3.5	18.2	33.0	0.5	6.7	21.2	0.2	-1.4	15.2				
	1965	0.3	9.6	25.6	6.8	17.4	32.1	1.0	9.0	23.0	0.8	1.5	16.3				
	1966				4.2	17.3	28.9	0.6	8.0	21.9	1.1	0.1	14.5				
	1967	0.2	5.4	18.3	2.1	17.3	30.5				0.1	1.5	17.0				
	1969	0.3	9.1	25.9	3.1	17.2	31.3	2.3	7.8	22.9	1.2	0.9	14.7				
	1970											1.2	0.6	15.3			
Total 1960	0.2	9.0	24.9	4.2	17.5	31.5	1.1	7.3	22.3	0.7	0.4	15.6					
1970	1975							0.9	3.7	19.5	0.8	0.5	11.9				
	1976	0.0	5.0	20.8				0.9	3.7	19.5	0.7	2.4	17.1				
Total 1970	0.0	5.0	20.8				0.9	3.7	19.5	0.7	2.4	17.1					
1980	1981	0.4	17.1	33.1	2.7	18.9	33.0	1.0	8.1	23.6	0.0	0.3	17.3				
	1982	0.1	9.5	27.8	3.2	18.4	33.9	0.5	6.8	26.3	0.7	3.0	17.9				
	1983	0.0	14.8	32.2	2.0	17.8	33.3	3.1	8.3	21.0	0.3	5.4	15.1				
	1985	0.0	19.5	35.8	2.3	17.9	31.7	1.8	8.6	21.8							
	1986	0.2	10.7	26.4	2.5	17.1	30.6	1.3	7.0	21.4	1.1	4.0	18.3				
	1987	0.4	10.6	25.9	2.8	17.5	31.6	0.4	8.4	22.6	0.8	2.3	16.5				
	1988	0.5	11.5	27.5	3.9	18.5	31.5	1.0	8.5	23.5	0.8	1.4	17.5				
	1989	0.3	12.7	29.4	2.1	18.9	32.9	1.5	7.9	23.1	0.4	3.9	25.4				
	1990	0.3	12.3	27.3	5.2	17.9	30.7	0.6	8.2	22.9	0.9	1.8	16.0				
Total 1980	0.3	11.7	27.9	3.0	18.2	32.1	1.3	8.0	22.8	0.8	2.7	18.6					
1990	1991	0.4	9.4	25.1	1.9	18.1	31.4	1.9	8.4	22.8	2.2	3.1	16.6				
	1992	0.9	11.4	26.6	3.8	18.0	32.0	1.1	7.3	22.4	1.1	3.6	15.8				
	1993	0.2	11.7	27.4	2.9	18.2	31.6	0.5	8.0	22.5	1.7	3.7	17.1				
	1994	0.3	12.0	27.3	3.1	19.8	33.3	1.8	7.6	21.5	1.0	3.4	18.0				
	1995	0.1	10.0	25.2	3.5	19.1	33.5	0.8	9.4	25.0	0.8	4.3	17.9				
	1996	0.1	13.0	29.0	3.1	18.5	31.9	0.4	8.2	23.2	0.5	4.7	19.4				
	1997	0.3	13.2	28.9	1.5	19.3	33.4	1.5	7.9	22.2	1.0	3.2	17.1				
	1998	0.2	10.7	26.3	3.9	19.3	33.2	0.4	7.9	23.1	1.1	2.6	16.7				
	1999	0.3	7.5	22.8	3.6	16.6	30.9	0.0			0.0	3.5	20.7				
	2000	0.6	11.1	32.0	2.8	16.9	33.8	3.3	5.5	22.4	0.0	-1.6	21.1				
Total 1990	0.3	11.2	27.2	3.0	18.5	32.6	1.3	7.8	22.8	1.0	3.1	18.0					
2000	2001	0.0	3.5	34.6	0.0	10.1	40.1				0.8	-1.9	20.0				
	2002	0.0	16.7	32.3	6.2	19.6	34.0	0.1	9.7	26.1	1.2	2.0	19.2				
	2003	0.1	12.0	27.8	2.1	19.3	33.5	0.6	9.4	24.8	1.0	5.0	19.2				
	2004	0.3	11.9	26.1	2.1	18.3	31.1	0.6	6.8	22.3	1.1	3.2	17.0				
	2005	0.3	11.9	27.7	1.2	19.2	33.3	0.0	9.0	25.3	0.7	4.6	16.9				
	2006	0.0	11.5	31.3	3.2	17.4	33.7	0.4	7.4	25.3	0.4	2.9	19.9				
	2007	0.1	10.7	30.2	1.8	17.8	34.9	0.7	8.0	23.9	0.3	2.5	18.9				
	2008	0.1	10.5	27.0	2.7	16.8	31.3	0.4	7.2	25.1	0.5	2.1	16.7				
	2009	0.1	12.8	27.5	1.8	20.0	32.7	0.2	8.8	23.1	0.3	5.3	19.9				
	2010	0.1	11.0	26.2	3.9	20.1	33.2	0.2	9.0	23.9	1.8	3.5	16.3				
Total 2000	0.1	10.9	28.9	2.8	18.6	33.2	0.4	8.4	24.4	0.7	3.1	18.3					
2010	2011	0.0	12.2	27.6	1.7	20.0	33.2	0.8	8.8	22.4	0.1	3.4	19.2				
	2012	0.1	12.8	29.4	2.5	19.5	31.6	0.4	9.9	24.2	0.5	3.7	19.1				
	2013	0.0	13.0	28.1	1.6	18.0	31.8	0.4	7.9	22.4	0.8	3.6	16.7				
	2014	0.0	11.6	29.5	5.0	15.9	31.9	1.5	7.4	22.7	0.4	4.0	20.4				
	2015	0.2	11.4	27.4	5.3	17.0	31.5	1.6	7.2	21.9	1.9	4.6	18.0				
	2016	0.5	3.2	24.5								2.1	2.7	19.6			
Total 2010	0.1	11.5	28.1	3.2	18.1	32.0	0.9	8.3	22.7	0.9	3.7	18.8					
Total general	0.2	11.0	27.7	3.1	18.3	32.4	1.0	7.9	23.1	0.8	2.7	17.9					



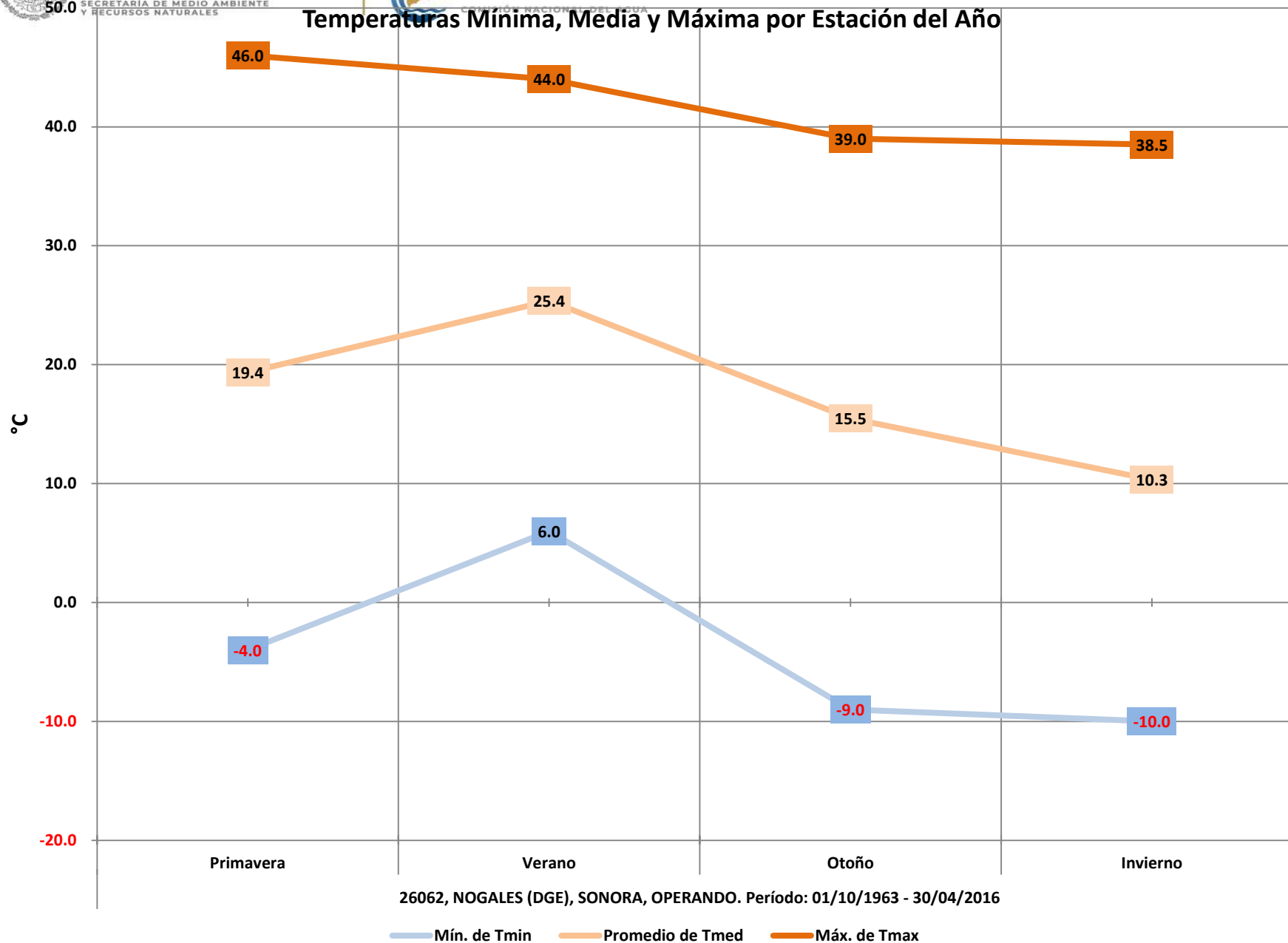
SEMARNAT

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

