



Datos de la Estación

ESTACIÓN:	26262
NOMBRE:	EL FRESNAL
ESTADO:	SONORA
MUNICIPIO:	IMURIS
LATITUD (°):	30.8119
LONGITUD (°):	-110.7125
ALTURA (msn):	1,003
SITUACIÓN:	OPERANDO
DATOS DESDE:	1 de enero de 1981
HASTA:	30 de abril de 2016

Inventario de Registros por Década Año

Estacion 26262

		N°de Casos				
Decada	Año	Lluvia	Temp min	Temp max	Temp amb	Evaporación
1980	1981	365	365	364	365	
	1982	301	299	299	302	
	1983	365	365	365	365	
	1984	366	366	366	366	
	1985	365	365	365	365	
	1986	357	357	357	357	
	1987	365	365	365	365	
	1988	366	366	366	366	
	1989	365	365	365	365	
	1990	365	365	365	365	
Total 1980		3,580	3,578	3,577	3,581	
1990	1991	365	365	365	365	
	1992	366	366	366	366	
	1993	365	365	365	365	
	1994	365	365	365	365	
	1995	365	365	365	365	
	1996	366	366	366	366	
	1997	365	365	365	365	
	1998	334	334	333	334	
	1999	240	240	240	240	
	2000	366	366	366	366	
Total 1990		3,497	3,497	3,496	3,497	
2000	2001	335	335	335	335	
	2002	305	304	304	304	
	2003	334	333	333	332	
	2004	336	335	334	334	
	2005	334	330	329	328	
	2006	334	334	334	334	
	2007	243	210	209	209	
	2008	366	305	304	305	
	2009	243	228	227	228	
	2010	298	289	289	289	
Total 2000		3,128	3,003	2,998	2,998	
2010	2011	365	365	364	365	
	2012	366	360	361	360	
	2013	365	363	363	363	
	2014	348	346	346	346	
	2015	364	348	348	348	
	2016	121	121	121	121	
Total 2010		1,929	1,903	1,903	1,903	
Total general		12,134	11,981	11,974	11,979	

Estacion	26262
NOMBRE	EL FRESNAL
ESTADO	SONORA

Estacion	26262
NOMBRE	EL FRESNAL
ESTADO	SONORA

		Lluvia (mm)				
Década	Año	Mín.	Prom.	Máx.	Desv.	Est.
1980	1981	0.0	0.8	42.0	3.7	
	1982	0.0	1.6	46.0	6.1	
	1983	0.0	1.8	68.0	6.6	
	1984	0.0	2.1	67.5	7.3	
	1985	0.0	1.4	52.0	5.5	
	1986	0.0	1.8	60.0	6.8	
	1987	0.0	1.0	47.0	4.4	
	1988	0.0	1.1	30.0	4.1	
	1989	0.0	1.2	67.0	6.6	
	1990	0.0	1.5	40.0	5.4	
Total 1980		0.0	1.4	68.0	5.8	
1990	1991	0.0	1.7	65.0	6.6	
	1992	0.0	1.9	48.0	6.3	
	1993	0.0	1.6	80.0	6.8	
	1994	0.0	1.7	130.0	9.2	
	1995	0.0	1.0	30.0	4.0	
	1996	0.0	0.8	38.0	3.3	
	1997	0.0	2.0	90.0	8.0	
	1998	0.0	1.0	36.0	3.9	
	1999	0.0	0.9	48.0	5.1	
	2000	0.0	1.8	65.0	7.3	
Total 1990		0.0	1.4	130.0	6.4	
2000	2001	0.0	1.0	75.0	5.9	
	2002	0.0	0.5	24.0	2.6	
	2003	0.0	1.2	30.0	4.1	
	2004	0.0	1.2	65.0	5.5	
	2005	0.0	1.2	87.0	6.3	
	2006	0.0	0.6	20.0	2.5	
	2007	0.0	1.0	40.0	4.4	
	2008	0.0	1.0	88.0	5.5	
	2009	0.0	0.9	51.0	4.3	
	2010	0.0	1.0	40.0	4.4	
Total 2000		0.0	1.0	88.0	4.7	
2010	2011	0.0	0.8	46.0	3.8	
	2012	0.0	1.1	38.0	4.6	
	2013	0.0	0.9	45.0	4.2	
	2014	0.0	2.0	109.0	8.6	
	2015	0.0	1.2	53.0	5.6	
	2016	0.0	0.6	31.0	3.3	
Total 2010		0.0	1.2	109.0	5.5	
Total general		0.0	1.3	130.0	5.7	

		Evap (mm)				
Década	Año	Mín.	Prom.	Máx.	Desv.	Est.
1980	1981					
	1982					
	1983					
	1984					
	1985					
	1986					
	1987					
	1988					
	1989					
	1990					
Total 1980						
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						

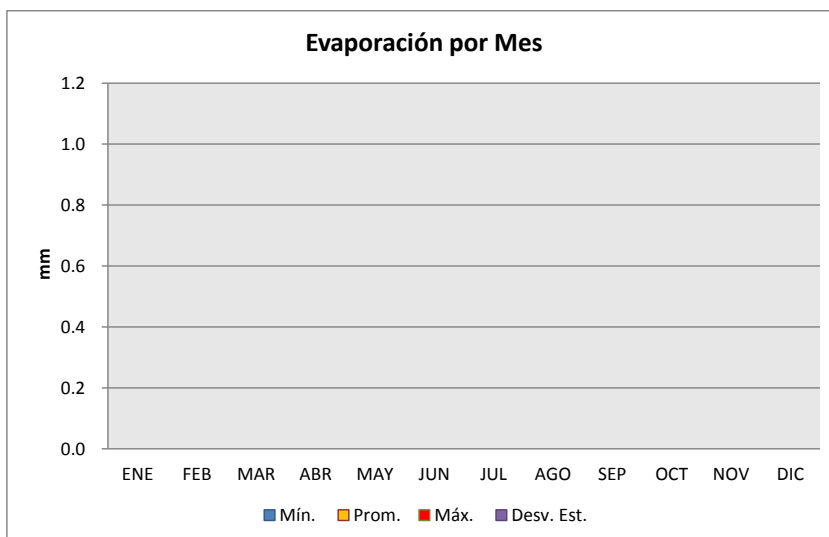
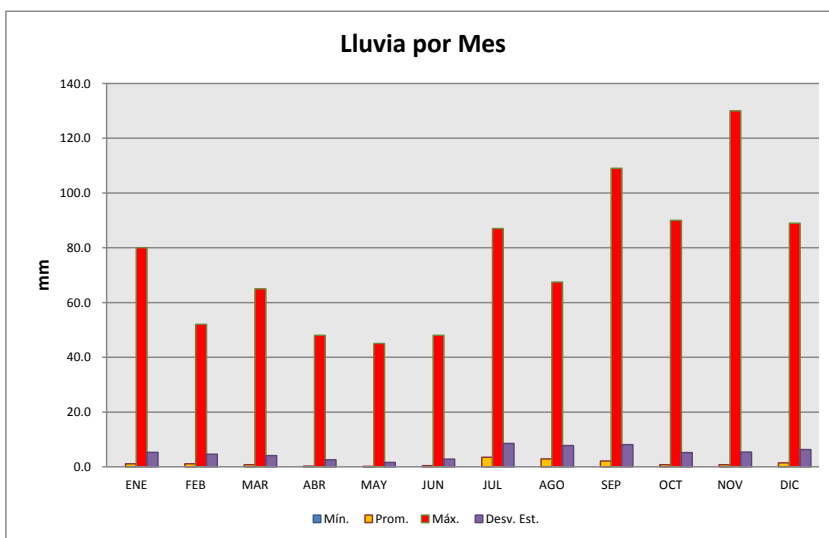


Estación	26262
NOMBRE	EL FRESNAL
ESTADO	SONORA

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NOMBRE	EL FRESNAL
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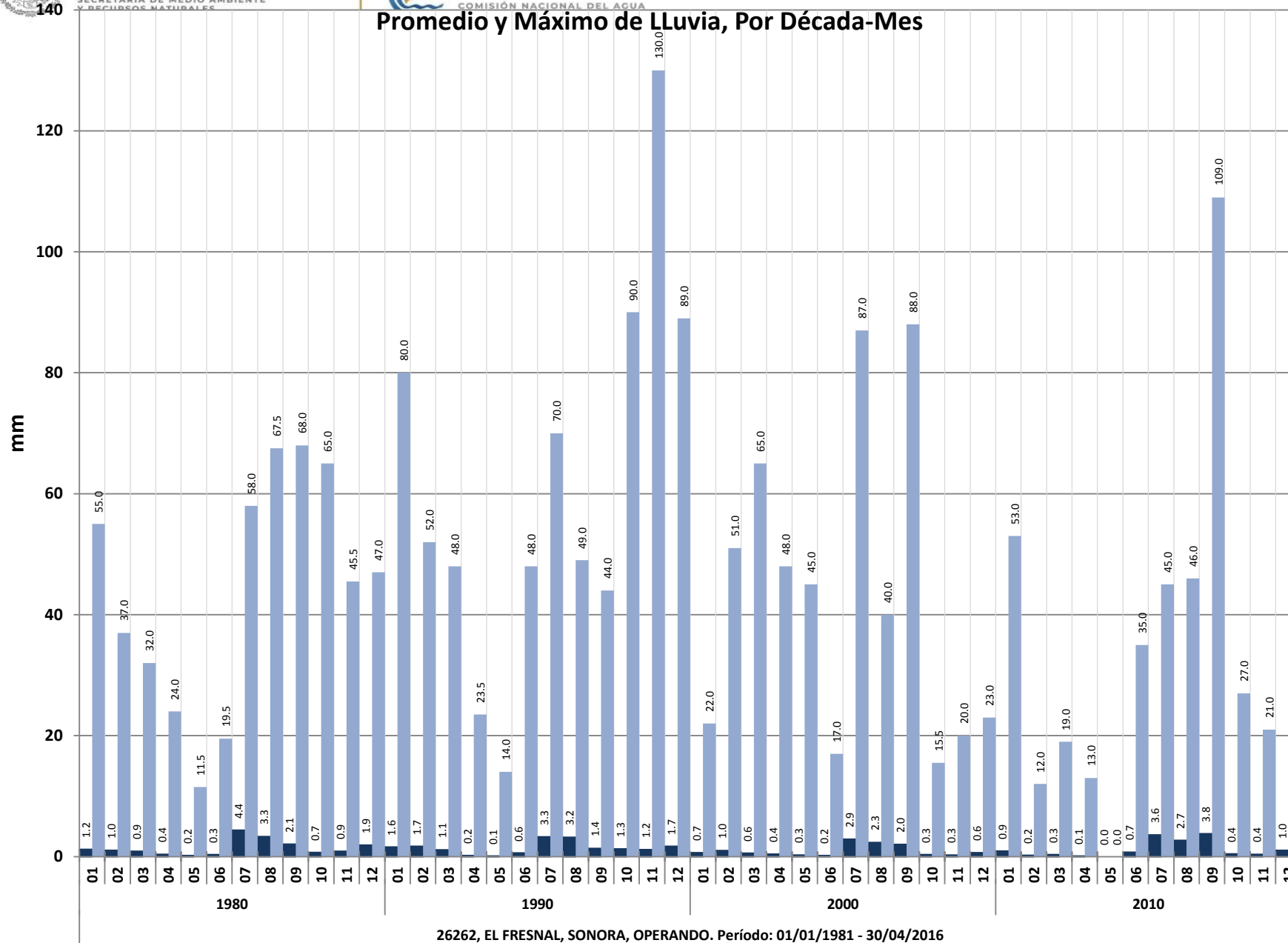
Lluvia (mm)				
Mes	Mín.	Prom.	Máx.	Desv. Est.
ENE	0.0	1.1	80.0	5.3
FEB	0.0	1.1	52.0	4.6
MAR	0.0	0.8	65.0	4.1
ABR	0.0	0.3	48.0	2.6
MAY	0.0	0.1	45.0	1.7
JUN	0.0	0.4	48.0	2.8
JUL	0.0	3.5	87.0	8.5
AGO	0.0	2.9	67.5	7.7
SEP	0.0	2.1	109.0	8.1
OCT	0.0	0.7	90.0	5.2
NOV	0.0	0.8	130.0	5.3
DIC	0.0	1.4	89.0	6.3
Total general	0.0	1.3	130.0	5.7

Evap (mm)				
Mes	Mín.	Prom.	Máx.	Desv. Est.
ENE				
FEB				
MAR				
ABR				
MAY				
JUN				
JUL				
AGO				
SEP				
OCT				
NOV				
DIC				
Total general				



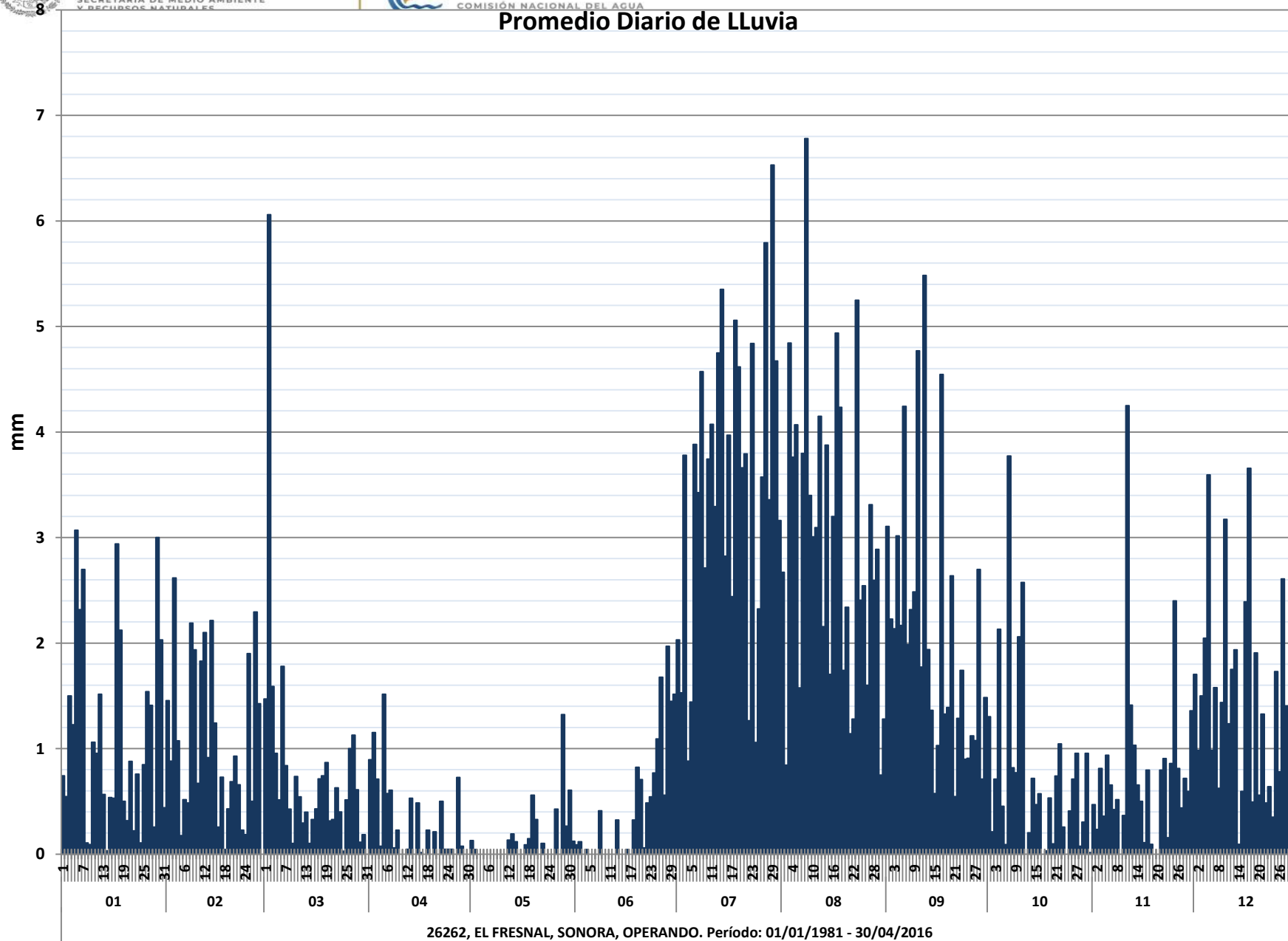


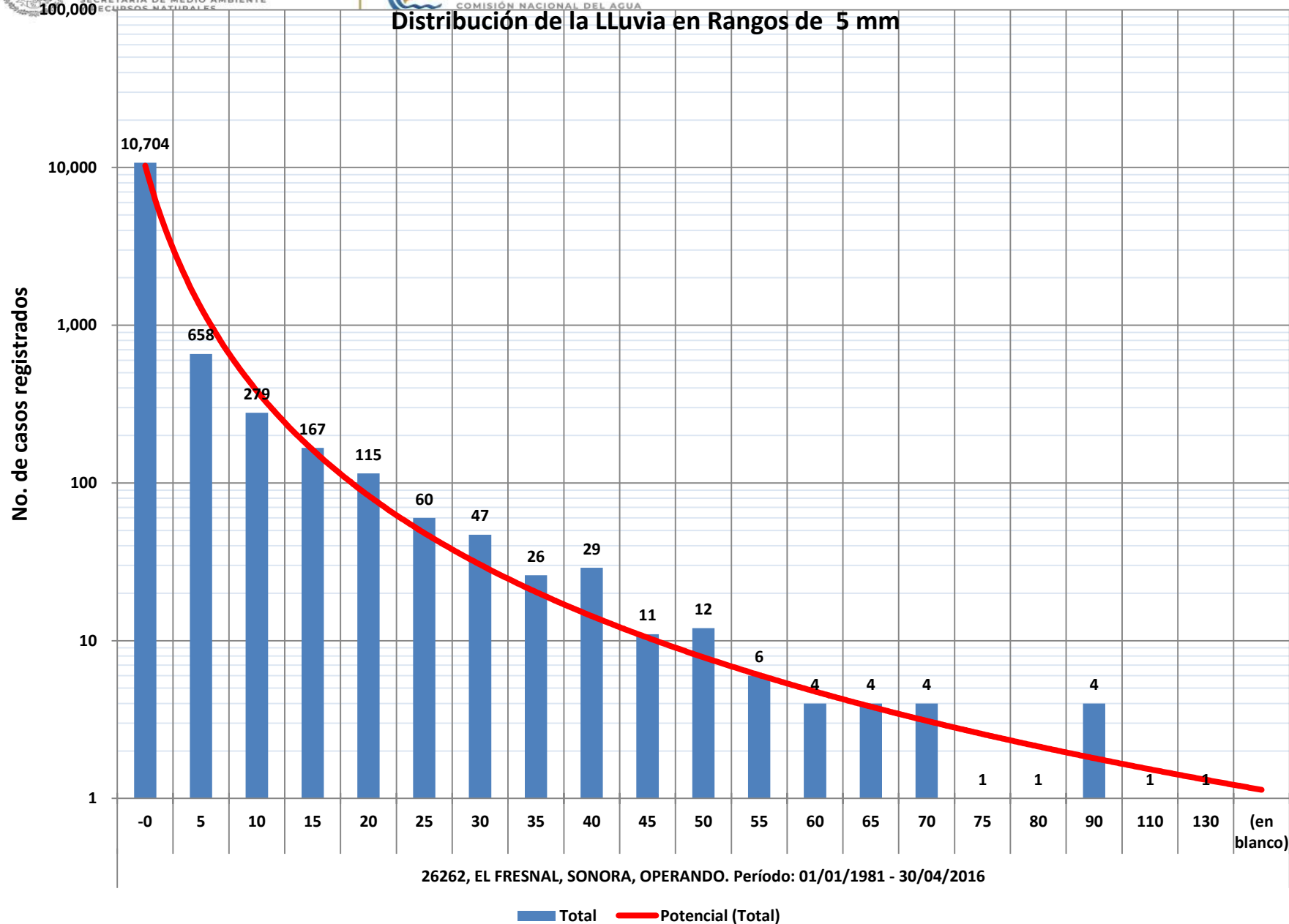
Promedio y Máximo de Lluvia, Por Década-Mes





Promedio Diario de Lluvia





Estacion 26262
 NOMBRE EL FRESNAL
 ESTADO SONORA

Temp Min (°C)					
Década	Año	Mín.	Prom.	Máx.	Desv. Est.
1980	1981	0.0	11.4	25.0	6.9
	1982	-3.0	9.2	24.0	6.6
	1983	-1.5	10.2	23.0	7.0
	1984	-2.0	10.4	23.0	7.0
	1985	-5.5	10.3	23.5	6.7
	1986	-2.5	10.7	22.5	6.7
	1987	-5.0	10.0	24.5	7.3
	1988	-5.5	10.6	25.0	7.4
	1989	-5.0	11.2	26.0	7.4
	1990	-5.0	11.0	24.0	7.4
Total 1980		-5.5	10.5	26.0	7.1
1990	1991	-3.0	10.5	24.0	6.7
	1992	-3.5	10.6	24.0	6.7
	1993	-1.0	10.9	25.0	6.7
	1994	-3.0	11.1	27.0	7.5
	1995	-3.5	10.4	26.0	7.0
	1996	-4.0	10.4	25.0	7.6
	1997	-3.0	11.0	28.0	7.3
	1998	-2.0	10.1	25.0	6.8
	1999	-4.0	9.1	23.0	7.9
	2000	-4.0	9.8	24.0	7.2
Total 1990		-4.0	10.4	28.0	7.1
2000	2001	-4.0	10.1	24.0	7.5
	2002	-3.0	10.3	23.0	6.8
	2003	-3.0	10.8	25.0	6.9
	2004	-3.0	9.9	24.0	6.5
	2005	-4.0	9.5	27.0	6.8
	2006	-3.0	8.6	27.0	6.6
	2007	-5.0	10.6	26.0	8.1
	2008	-2.0	9.9	23.0	6.4
	2009	-1.0	11.3	24.0	7.2
	2010	-2.0	11.4	26.0	6.9
Total 2000		-5.0	10.2	27.0	7.0
2010	2011	-10.0	10.0	28.0	7.3
	2012	-2.0	9.9	24.0	7.0
	2013	-8.0	10.4	25.0	7.5
	2014	-2.0	11.7	27.0	6.9
	2015	-5.0	10.9	23.0	7.0
	2016	-4.0	4.2	11.0	2.8
Total 2010		-10.0	10.2	28.0	7.1
Total general		-10.0	10.4	28.0	7.1

Estacion 26262
 NOMBRE EL FRESNAL
 ESTADO SONORA

Temp Max (°C)					
Década	Año	Mín.	Prom.	Máx.	Desv. Est.
1980	1981	11.0	28.3	41.0	6.9
	1982	8.0	26.2	40.0	7.9
	1983	9.0	26.6	43.0	8.1
	1984	7.0	27.3	42.0	6.9
	1985	7.0	27.4	42.0	7.5
	1986	9.0	27.8	41.0	6.6
	1987	6.0	27.8	41.0	7.6
	1988	7.0	28.1	42.0	7.1
	1989	11.0	29.5	44.0	7.2
	1990	7.0	27.9	44.0	7.2
Total 1980		6.0	27.7	44.0	7.4
1990	1991	10.0	27.8	41.0	7.4
	1992	11.0	28.1	43.0	7.9
	1993	11.0	28.7	43.0	7.4
	1994	12.0	29.0	44.0	7.4
	1995	11.0	29.1	43.0	7.4
	1996	12.0	29.5	42.0	6.6
	1997	11.0	28.6	42.0	7.6
	1998	11.0	28.4	43.0	7.4
	1999	13.0	29.3	41.0	6.3
	2000	10.0	29.4	42.0	6.8
Total 1990		10.0	28.7	44.0	7.3
2000	2001	7.0	30.2	45.0	8.8
	2002	6.0	30.7	44.0	7.7
	2003	11.0	30.5	44.0	7.8
	2004	7.0	27.0	40.0	7.8
	2005	11.0	29.4	45.0	7.8
	2006	12.0	29.1	43.0	6.7
	2007	12.0	30.2	42.0	7.8
	2008	8.0	27.7	44.0	6.5
	2009	9.0	29.3	41.0	7.0
	2010	8.0	28.9	41.0	7.6
Total 2000		6.0	29.3	45.0	7.7
2010	2011	6.0	28.2	43.0	8.1
	2012	8.0	28.0	42.0	7.1
	2013	5.0	27.3	43.0	8.1
	2014	11.0	28.5	40.0	6.2
	2015	6.0	27.1	42.0	6.9
	2016	7.0	23.6	32.0	5.8
Total 2010		5.0	27.5	43.0	7.3
Total general		5.0	28.4	45.0	7.4



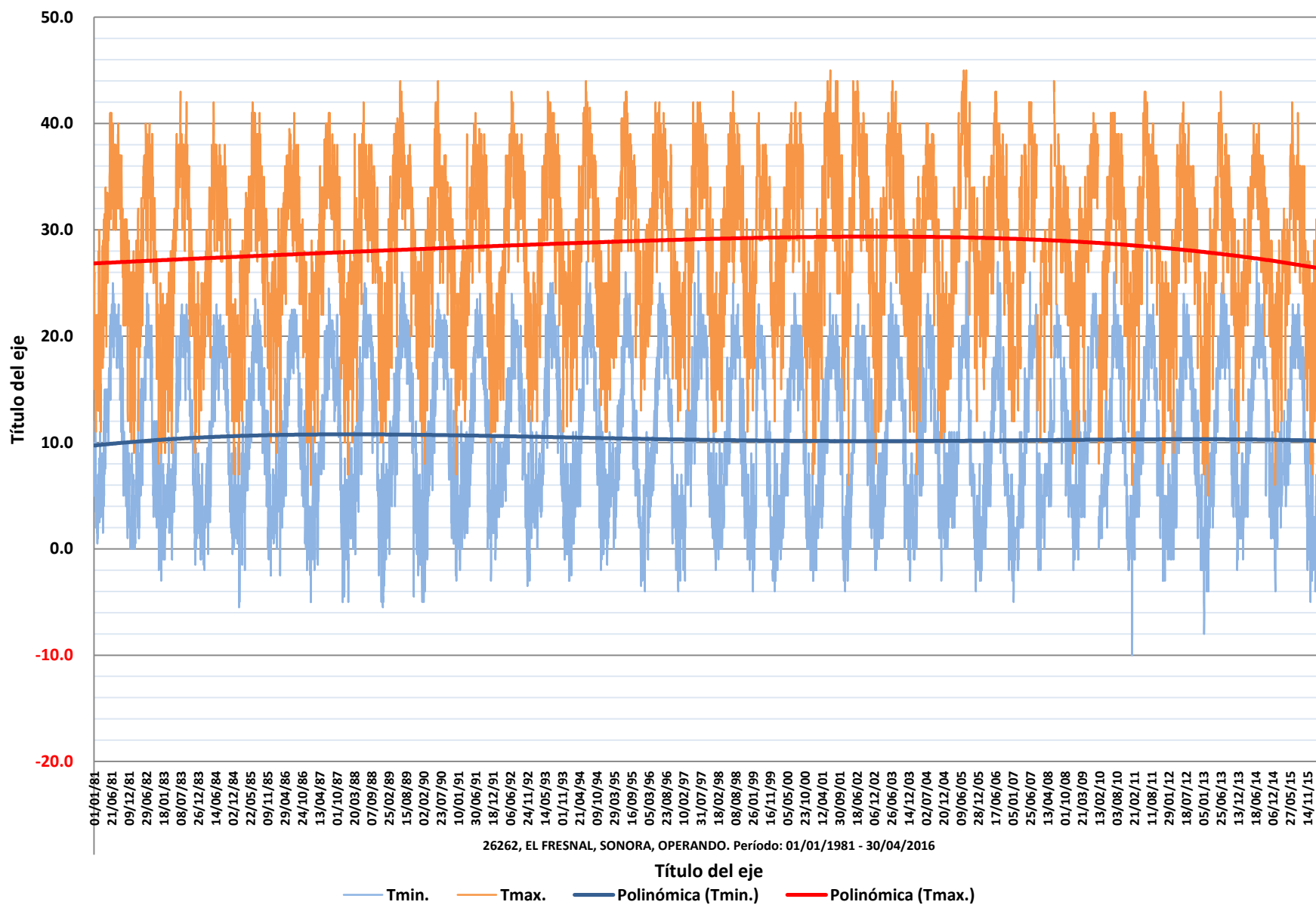
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ESTACIONES CLIMATOLÓGICAS

Registro Diario de Temperaturas Mínima y Máxima



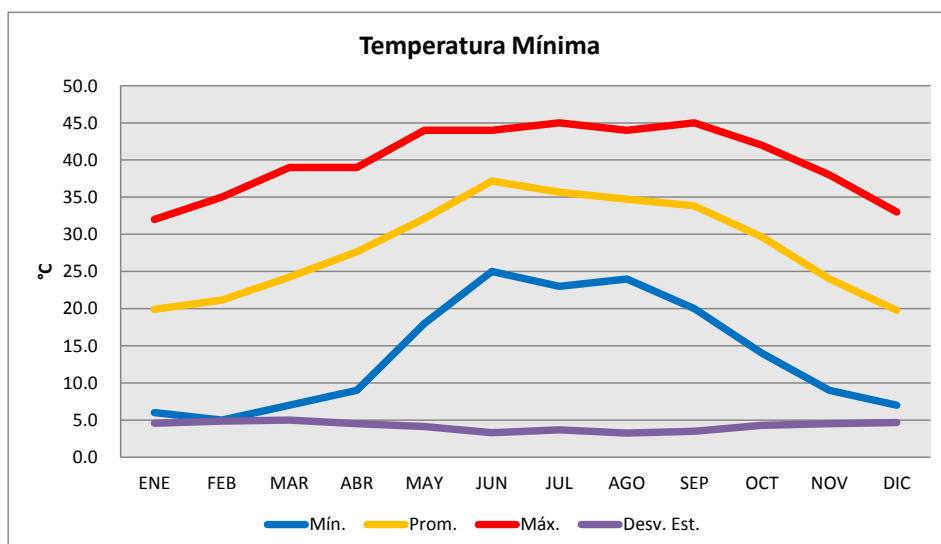
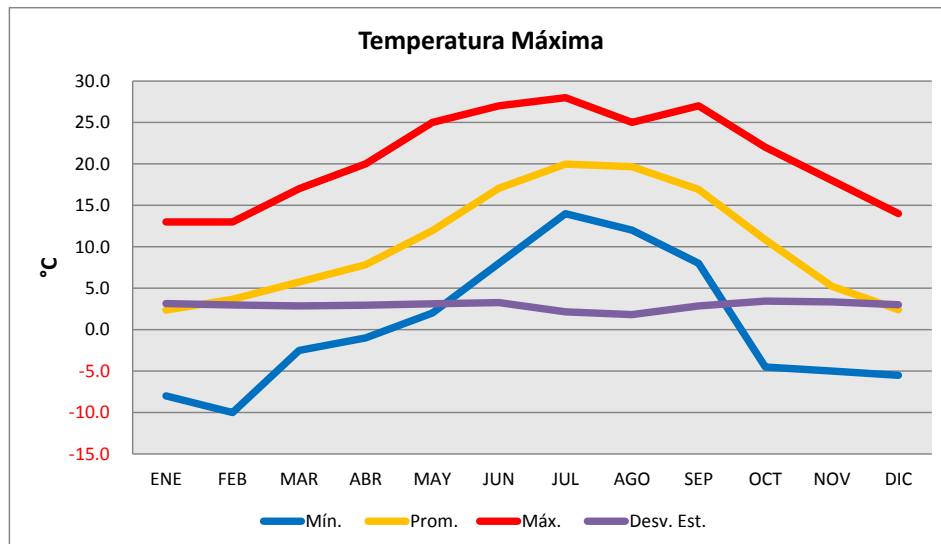


Estacion 26262
NOMBRE EL FRESNAL
ESTADO SONORA

Estacion 26262
NOMBRE EL FRESNAL
ESTADO SONORA

Temp Min (°C)					
Mes	Mín.	Prom.	Máx.	Desv. Est.	
ENE	-8.0	2.4	13.0	3.2	
FEB	-10.0	3.7	13.0	3.0	
MAR	-2.5	5.7	17.0	2.9	
ABR	-1.0	7.8	20.0	3.0	
MAY	2.0	11.9	25.0	3.1	
JUN	8.0	17.1	27.0	3.3	
JUL	14.0	20.0	28.0	2.1	
AGO	12.0	19.7	25.0	1.8	
SEP	8.0	16.9	27.0	2.9	
OCT	-4.5	10.8	22.0	3.4	
NOV	-5.0	5.2	18.0	3.3	
DIC	-5.5	2.4	14.0	3.0	
Total general	-10.0	10.4	28.0	7.1	

Temp Max (°C)					
Mes	Mín.	Prom.	Máx.	Desv. Est.	
ENE	6.0	19.9	32.0	4.6	
FEB	5.0	21.2	35.0	4.9	
MAR	7.0	24.2	39.0	5.0	
ABR	9.0	27.7	39.0	4.5	
MAY	18.0	32.1	44.0	4.1	
JUN	25.0	37.2	44.0	3.3	
JUL	23.0	35.7	45.0	3.7	
AGO	24.0	34.7	44.0	3.3	
SEP	20.0	33.8	45.0	3.5	
OCT	14.0	29.7	42.0	4.3	
NOV	9.0	24.0	38.0	4.5	
DIC	7.0	19.8	33.0	4.7	
Total general	5.0	28.4	45.0	7.4	



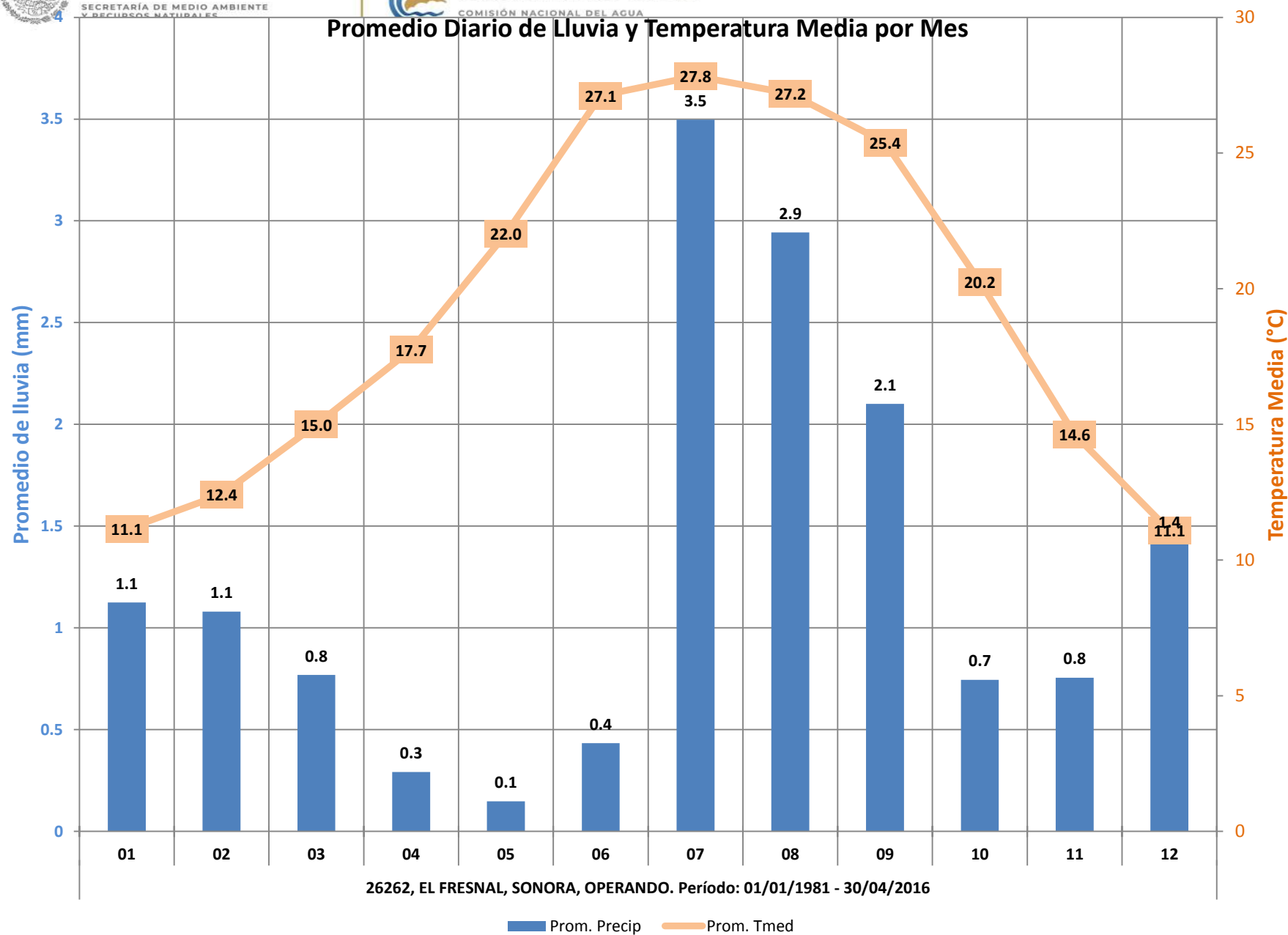


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ESTACIONES CLIMATOLÓGICAS



Estacion	26262
NOMBRE	EL FRESNAL
ESTADO	SONORA

		Estación											
		Promedios											
		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)
1980	1981	0.1	12.3	30.3	1.5	20.4	35.5	0.5	8.1	26.9	1.4	4.7	20.4
	1982	0.0	10.7	28.7	3.5	19.1	34.8	2.1	7.1	25.5	0.9	3.8	19.5
	1983	0.2	8.9	27.8	2.1	19.4	35.8	2.1	8.6	24.0	2.9	4.0	18.7
	1984	0.4	11.4	31.1	4.6	19.1	33.3	1.8	7.7	23.5	1.4	3.3	21.2
	1985	0.4	11.0	30.5	2.9	18.7	34.6	1.3	7.3	24.5	1.1	3.8	20.0
	1986	0.2	11.8	31.3	4.3	19.0	33.6	1.5	7.1	24.0	1.1	4.5	21.7
	1987	0.4	10.4	29.5	1.9	18.1	35.4	0.8	9.2	26.5	1.0	2.2	19.7
	1988	0.4	11.3	30.8	2.7	19.9	34.2	0.6	8.5	26.8	0.6	2.8	20.6
	1989	0.2	12.5	33.1	3.6	20.4	35.7	0.7	7.7	26.8	0.4	4.3	22.2
	1990	0.1	12.8	31.1	4.1	19.8	33.5	1.2	8.4	26.9	0.7	2.8	20.0
Total 1980		0.2	11.3	30.5	3.1	19.4	34.6	1.3	8.0	25.5	1.2	3.6	20.4
1990	1991	0.3	9.5	29.4	2.1	19.3	34.7	1.9	8.5	26.4	2.3	4.4	20.3
	1992	0.6	11.7	30.8	3.1	18.9	35.7	0.9	6.6	25.9	2.8	5.0	19.8
	1993	0.1	10.9	31.7	2.2	19.2	35.6	0.5	8.1	26.7	3.5	5.1	20.5
	1994	0.5	12.2	31.6	2.4	20.6	36.9	2.9	7.9	25.2	1.1	3.5	22.1
	1995	0.0	8.8	29.0	1.8	20.2	37.5	0.9	8.0	28.6	1.3	4.4	21.1
	1996	0.0	12.4	33.1	2.3	19.7	34.7	0.4	6.2	25.9	0.3	3.3	24.0
	1997	0.5	12.5	30.0	3.8	19.8	36.8	2.1	7.8	25.2	1.4	3.6	22.2
	1998	0.2	8.3	28.4	2.2	19.0	36.1	0.2	7.3	25.9	1.8	3.0	19.9
	1999	0.0	16.2	34.8	3.5	18.7	34.3	0.1	6.8	29.8	0.0	1.6	22.7
	2000	0.2	11.1	32.4	3.8	18.4	35.6	2.8	7.3	24.9	0.4	2.2	24.4
Total 1990		0.3	11.0	30.8	2.7	19.4	35.8	1.3	7.5	26.5	1.5	3.7	21.7
2000	2001	0.7	11.0	33.2	2.0	18.5	37.4	0.6	8.8	29.9	0.7	1.5	19.9
	2002	0.0	12.1	35.5	1.3	17.5	36.5	0.4	7.2	27.1	0.1	2.0	22.1
	2003	0.0	10.3	32.9	2.6	18.3	37.4	0.6	8.5	28.0	1.8	3.2	20.3
	2004	0.7	10.6	29.5	2.0	18.7	35.4	0.5	6.9	24.3	1.6	4.5	20.0
	2005	0.7	9.8	31.1	3.6	20.0	39.5	0.2	6.9	29.7	1.1	4.6	20.8
	2006	0.0	9.8	32.1	2.5	18.2	35.5	0.2	7.2	27.7	0.4	2.3	23.0
	2007	0.3	9.4	31.6	2.7	19.7	36.2				0.4	1.6	21.5
	2008	0.0	8.8	29.0	3.0	18.0	32.5	0.6	8.8	27.2	0.4	2.3	20.3
	2009	0.1	9.9	28.7	2.0	20.3	36.6				0.7	4.5	23.2
	2010	0.3	9.5	29.1	2.4	19.3	35.7	0.4	8.3	26.4	0.5	3.6	18.1
Total 2000		0.3	10.1	31.3	2.4	18.8	36.2	0.4	7.8	27.5	0.8	3.1	21.1
2010	2011	0.0	10.6	31.9	2.3	19.5	34.9	0.8	7.4	24.5	0.1	2.3	21.1
	2012	0.0	11.3	31.5	3.4	18.9	33.9	0.5	7.8	26.5	0.5	2.1	20.1
	2013	0.0	11.4	30.7	2.5	19.9	34.6	0.4	8.0	25.0	0.5	2.2	18.4
	2014	0.0	12.3	31.8	5.8	20.1	33.3	1.5	9.2	25.5	0.1	3.7	22.4
	2015	0.1	11.2	29.4	2.9	19.4	33.6	0.5	7.8	24.6	1.4	4.8	20.6
	2016	0.3	5.9	25.9							0.7	3.3	22.4
Total 2010		0.1	10.9	30.7	3.4	19.6	34.1	0.7	8.1	25.2	0.6	3.0	20.8
Total general		0.2	10.8	30.8	2.8	19.3	35.3	1.0	7.8	26.2	1.1	3.4	21.0



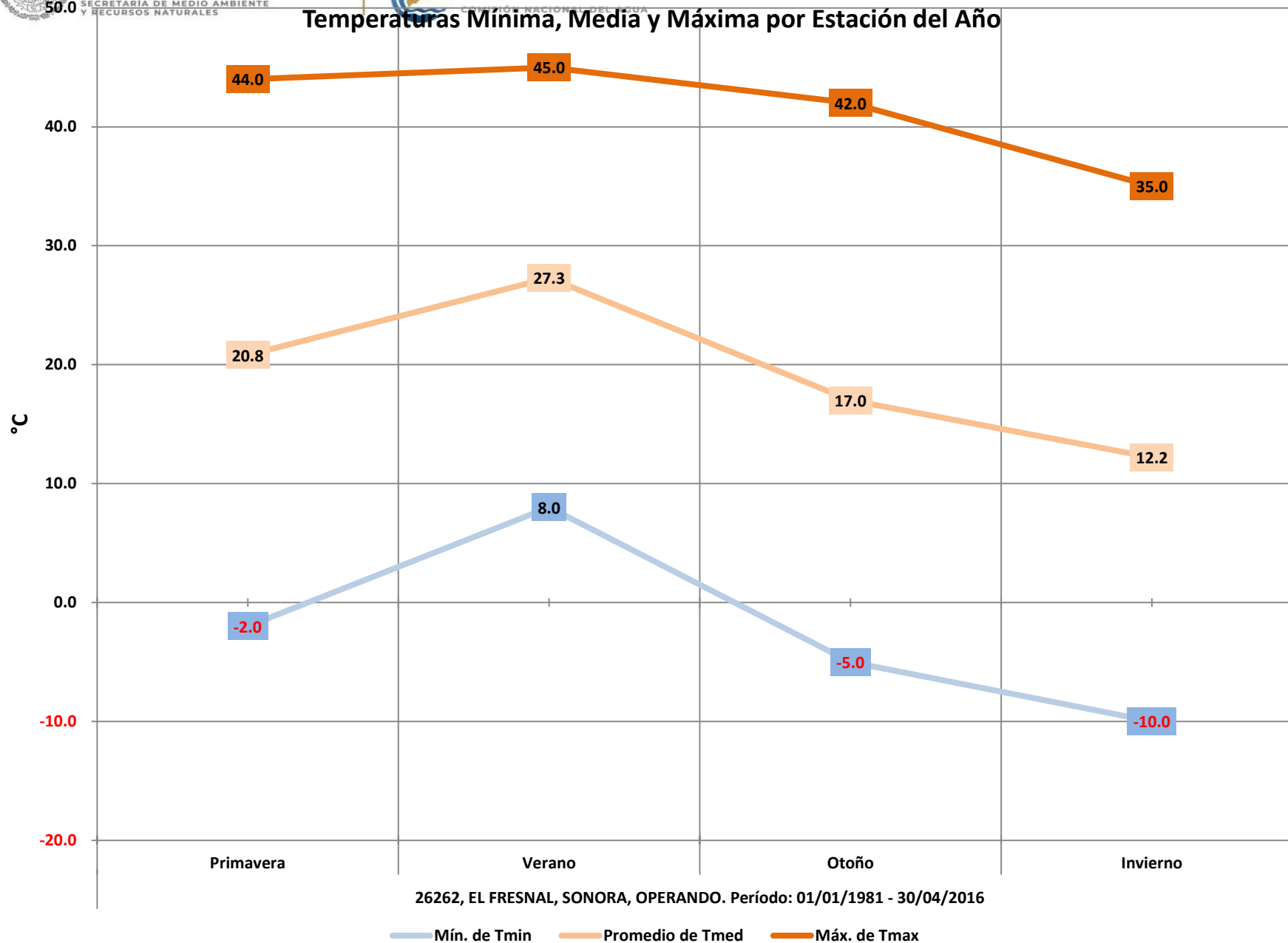
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SECRETARÍA DE MEDIO AMBIENTE
Y RECURSOS NATURALES

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Temperaturas Mínima, Media y Máxima por Estación del Año





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