



## Datos de la Estación

ESTACIÓN:	<b>26236</b>
NOMBRE:	GRANADOS
ESTADO:	SONORA
MUNICIPIO:	GRANADOS
LATITUD (°):	29.8564
LONGITUD (°):	<b>-109.3056</b>
ALTURA (msn):	529
SITUACIÓN:	OPERANDO
DATOS DESDE:	1 de noviembre de 1980
HASTA:	31 de marzo de 2016

## Inventario de Registros por Década Año

Estacion	26236					
N° de Casos						
Decada	Año	Lluvia	Temp min	Temp max	Temp amb	Evaporación
1970	1980	56	55	56	55	
Total 1970		56	55	56	55	
1980	1981	365	365	365	365	
	1982	362	360	360	365	
	1983	365	365	365	365	
	1984	366	366	366	366	
	1985	365	365	365	365	
	1986	365	365	365	365	
	1987	334	334	334	334	
	1988	335	335	335	335	
	1989	333	333	333	333	
	1990	210	210	210	210	
Total 1980		3,400	3,398	3,398	3,403	
1990	1991	335	335	335	335	
	1992	366	366	366	366	
	1993	365	365	365	365	
	1994	365	365	365	365	
	1995	365	365	365	365	
	1996	357	357	357	357	
	1997	365	365	365	365	
	1998	365	365	365	365	
	1999	212	212	211	212	
	2000	364	365	364	365	
Total 1990		3,459	3,460	3,458	3,460	
2000	2001	363	363	363	363	
	2002	365	365	364	365	
	2003	365	365	363	365	
	2004	366	366	366	366	
	2005	365	363	363	363	
	2006	358	350	348	350	
	2007	365	362	361	361	
	2008	366	365	359	365	
	2009	365	365	363	364	
	2010	365	364	364	364	
Total 2000		3,643	3,628	3,614	3,626	
2010	2011	365	365	364	365	
	2012	366	366	366	366	
	2013	365	365	363	365	
	2014	365	365	363	365	
	2015	365	365	364	365	
	2016	91	91	90	91	
Total 2010		1,917	1,917	1,910	1,917	
Total general		12,475	12,458	12,436	12,461	

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Lluvia (mm)					
Década	Año	Mín.	Prom.	Máx.	Desv. Est.
<b>1970</b>	1980	0.0	0.1	3.0	0.4
<b>Total 1970</b>		<b>0.0</b>	<b>0.1</b>	<b>3.0</b>	<b>0.4</b>
<b>1980</b>	1981	0.0	2.0	56.0	6.6
	1982	0.0	1.1	34.0	4.3
	1983	0.0	1.8	65.0	6.6
	1984	0.0	1.9	48.5	6.3
	1985	0.0	1.4	62.1	5.8
	1986	0.0	1.8	45.0	6.1
	1987	0.0	1.4	53.0	5.8
	1988	0.0	1.5	74.0	6.7
	1989	0.0	1.1	44.0	4.5
	1990	0.0	2.2	77.0	6.9
<b>Total 1980</b>		<b>0.0</b>	<b>1.6</b>	<b>77.0</b>	<b>6.0</b>
<b>1990</b>	1991	0.0	1.5	47.0	5.7
	1992	0.0	1.5	74.0	6.4
	1993	0.0	1.2	50.0	5.0
	1994	0.0	1.5	70.0	6.2
	1995	0.0	1.1	55.0	4.8
	1996	0.0	0.9	47.0	4.2
	1997	0.0	1.1	32.0	4.0
	1998	0.0	1.0	48.0	4.7
	1999	0.0	0.7	34.0	3.4
	2000	0.0	1.1	68.0	5.2
<b>Total 1990</b>		<b>0.0</b>	<b>1.2</b>	<b>74.0</b>	<b>5.1</b>
<b>2000</b>	2001	0.0	0.8	29.0	3.4
	2002	0.0	0.8	29.0	3.1
	2003	0.0	0.8	64.0	5.0
	2004	0.0	1.3	30.0	4.7
	2005	0.0	0.9	35.0	4.1
	2006	0.0	1.2	39.0	4.4
	2007	0.0	1.5	69.0	6.5
	2008	0.0	0.9	20.0	2.9
	2009	0.0	1.4	60.0	5.6
	2010	0.0	1.3	50.0	5.3
<b>Total 2000</b>		<b>0.0</b>	<b>1.1</b>	<b>69.0</b>	<b>4.6</b>
<b>2010</b>	2011	0.0	0.9	69.0	5.0
	2012	0.0	0.9	57.0	4.6
	2013	0.0	1.1	42.0	4.2
	2014	0.0	1.2	52.0	5.0
	2015	0.0	1.6	48.0	6.0
	2016	0.0	0.4	17.0	2.3
<b>Total 2010</b>		<b>0.0</b>	<b>1.1</b>	<b>69.0</b>	<b>4.9</b>
<b>Total general</b>		<b>0.0</b>	<b>1.3</b>	<b>77.0</b>	<b>5.2</b>

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Evap (mm)					
Década	Año	Mín.	Prom.	Máx.	Desv. Est.
<b>1970</b>	1980				
<b>Total 1970</b>					
<b>1980</b>	1981				
	1982				
	1983				
	1984				
	1985				
	1986				
	1987				
	1988				
	1989				
	1990				
<b>Total 1980</b>					
<b>1990</b>	1991				
	1992				
	1993				
	1994				
	1995				
	1996				
	1997				
	1998				
	1999				
	2000				
<b>Total 1990</b>					
<b>2000</b>	2001				
	2002				
	2003				
	2004				
	2005				
	2006				
	2007				
	2008				
	2009				
	2010				
<b>Total 2000</b>					
<b>2010</b>	2011				
	2012				
	2013				
	2014				
	2015				
	2016				
<b>Total 2010</b>					
<b>Total general</b>					

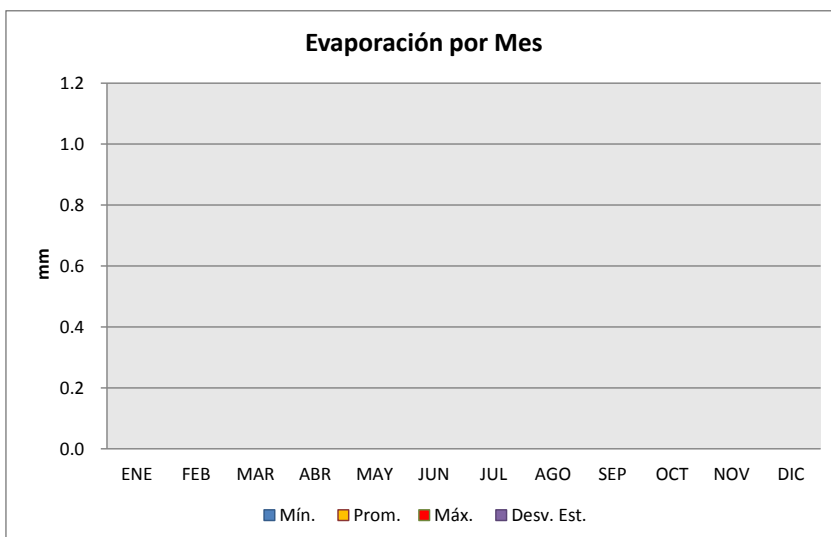
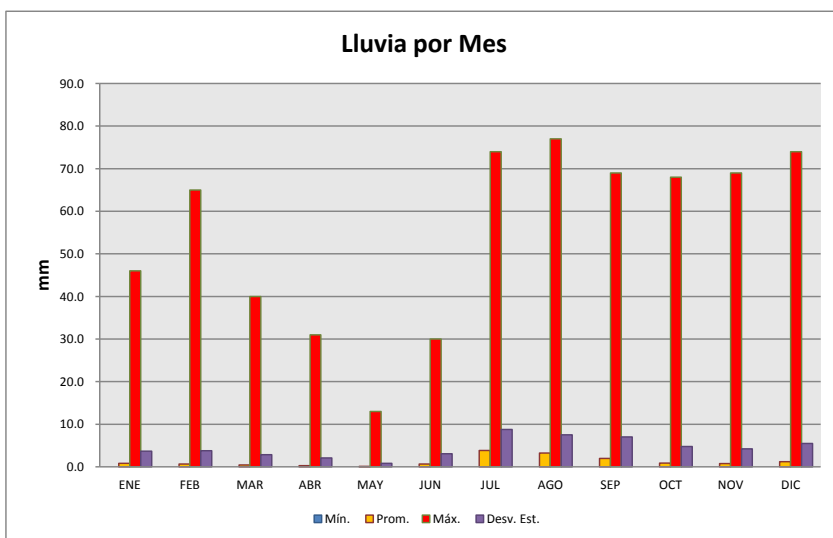


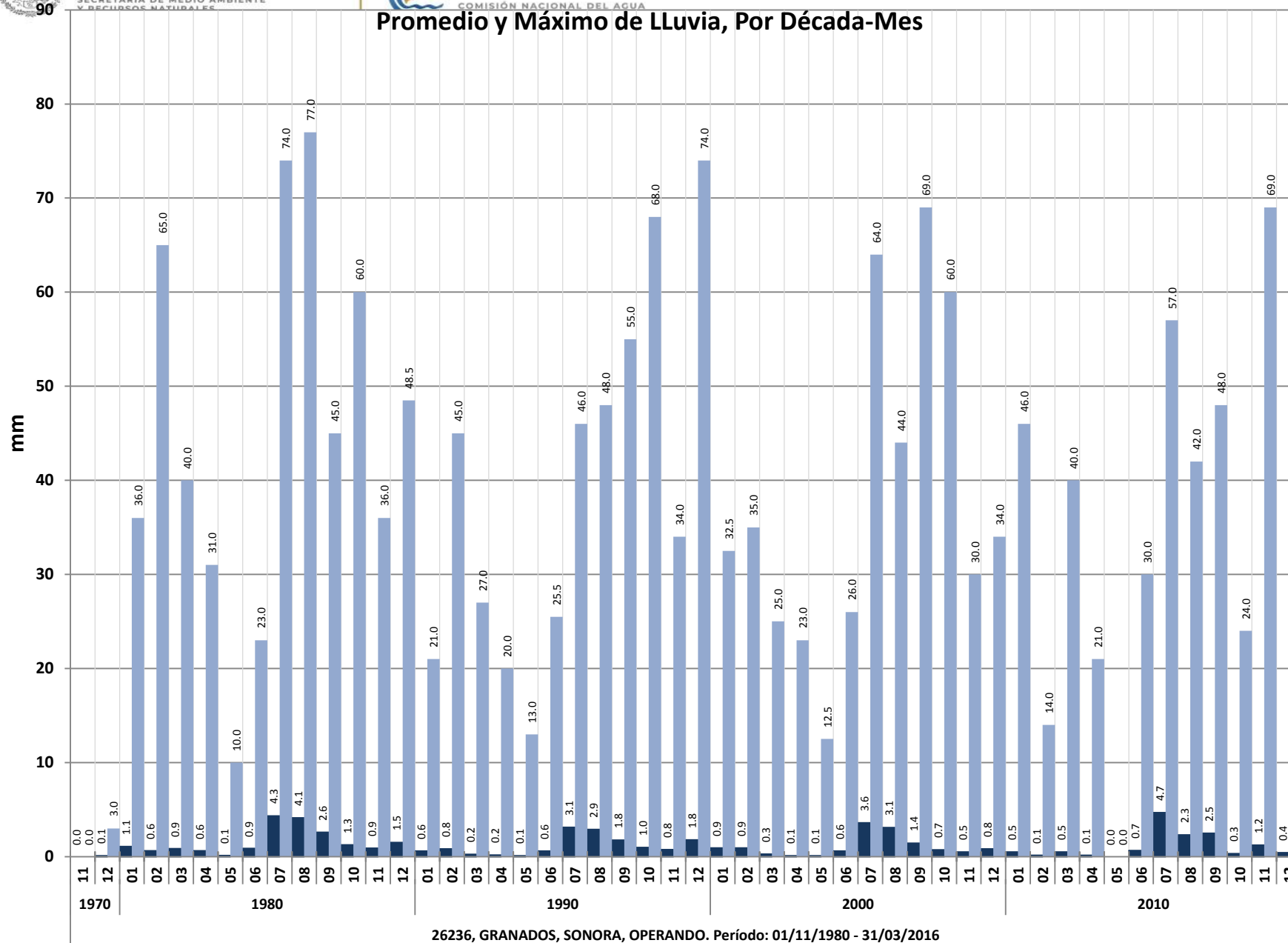
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Estación	26236
NOMBRE	GRANADOS
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Lluvia (mm)				
Mes	Mín.	Prom.	Máx.	Desv. Est.
ENE	0.0	0.8	46.0	3.7
FEB	0.0	0.7	65.0	3.8
MAR	0.0	0.4	40.0	2.9
ABR	0.0	0.3	31.0	2.1
MAY	0.0	0.1	13.0	0.8
JUN	0.0	0.7	30.0	3.1
JUL	0.0	3.8	74.0	8.8
AGO	0.0	3.2	77.0	7.5
SEP	0.0	2.0	69.0	7.0
OCT	0.0	0.9	68.0	4.8
NOV	0.0	0.8	69.0	4.2
DIC	0.0	1.2	74.0	5.5
<b>Total general</b>	<b>0.0</b>	<b>1.3</b>	<b>77.0</b>	<b>5.2</b>

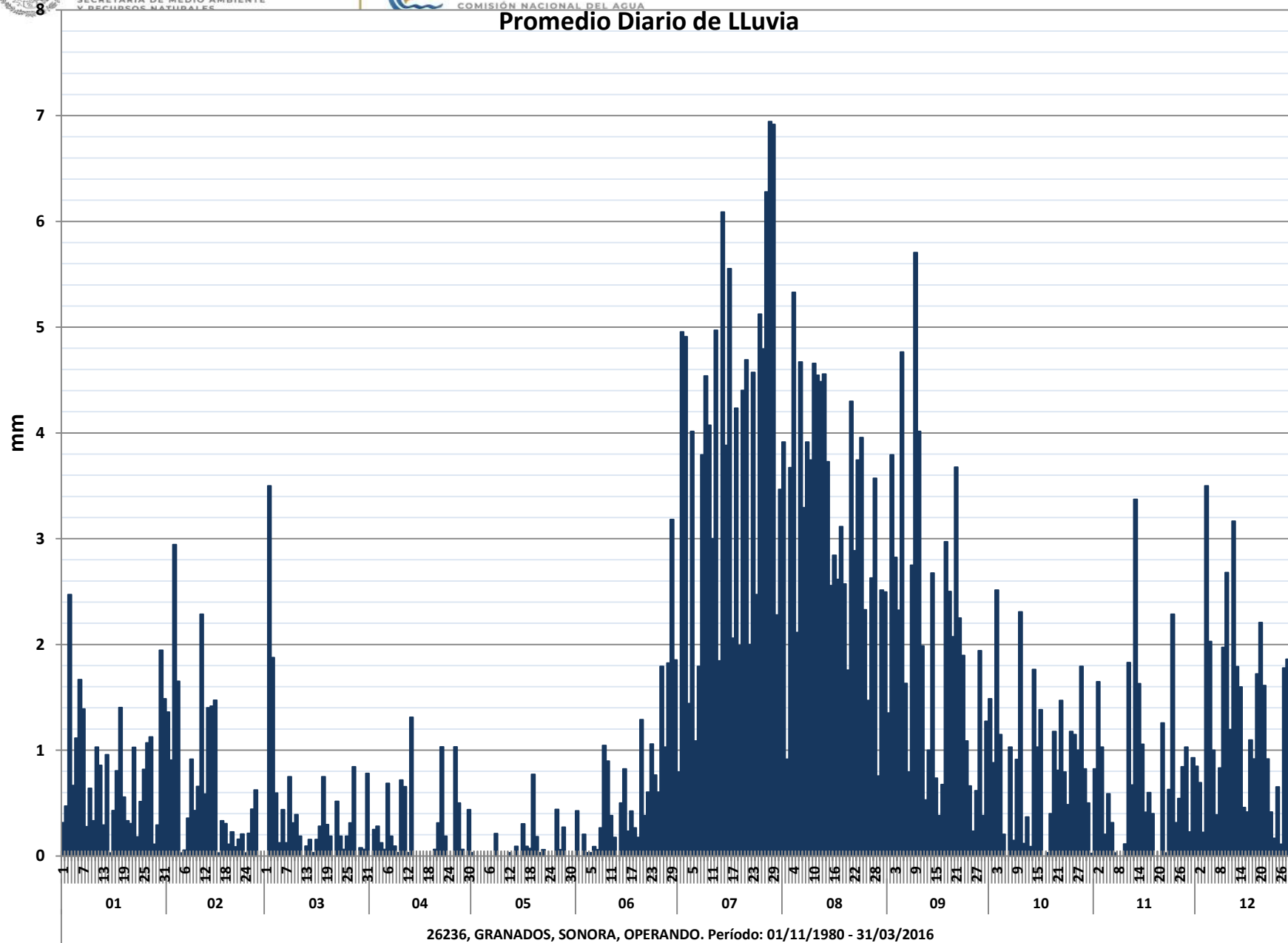
Evap (mm)				
Mes	Mín.	Prom.	Máx.	Desv. Est.
ENE				
FEB				
MAR				
ABR				
MAY				
JUN				
JUL				
AGO				
SEP				
OCT				
NOV				
DIC				
<b>Total general</b>				

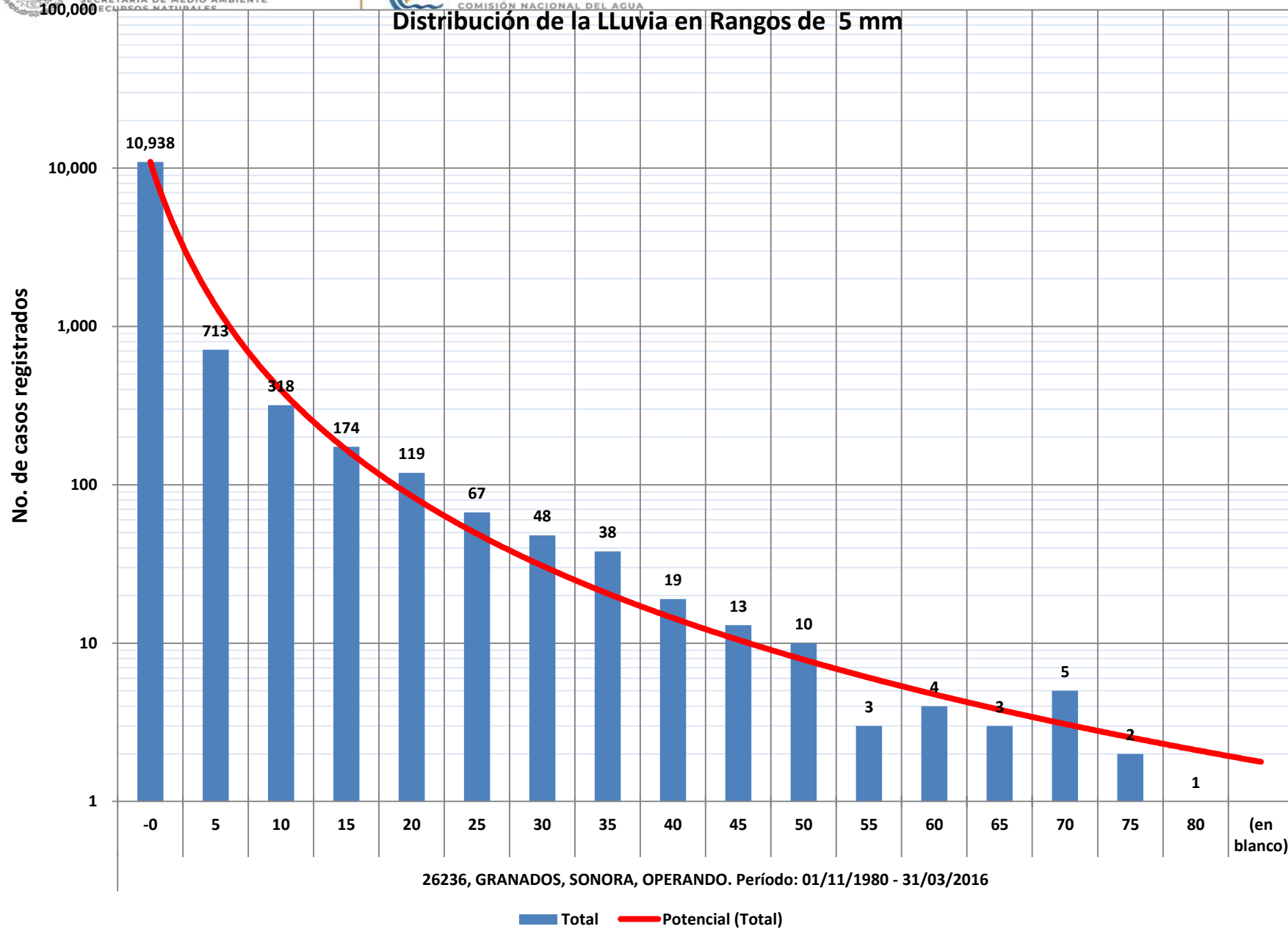






**Promedio Diario de Lluvia**





Estacion	26236
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Temp Min (°C)						
Década	Año	Mín.	Prom.	Máx.	Desv.	Est.
<b>1970</b>	1980	1.0	6.0	12.0	3.0	
<b>Total 1970</b>		<b>1.0</b>	<b>6.0</b>	<b>12.0</b>	<b>3.0</b>	
<b>1980</b>	1981	0.0	14.1	29.0	7.6	
	1982	-3.0	13.8	28.0	7.5	
	1983	0.0	13.0	26.0	7.7	
	1984	-1.0	13.4	28.0	7.8	
	1985	-1.0	13.0	28.0	7.8	
	1986	0.0	13.5	28.0	7.6	
	1987	-3.0	13.3	29.0	8.0	
	1988	-6.0	14.0	30.0	8.1	
	1989	-1.0	14.1	29.0	7.2	
	1990	-1.0	11.7	28.0	8.7	
<b>Total 1980</b>		<b>-6.0</b>	<b>13.5</b>	<b>30.0</b>	<b>7.8</b>	
<b>1990</b>	1991	-2.0	12.6	27.0	7.5	
	1992	-1.0	12.7	28.0	7.1	
	1993	1.0	13.2	29.0	7.0	
	1994	-2.0	13.9	30.0	8.1	
	1995	0.0	12.5	28.0	7.7	
	1996	-4.0	13.7	30.0	7.9	
	1997	-4.0	13.4	28.0	7.6	
	1998	-2.0	12.3	29.0	8.2	
	1999	-3.0	8.9	27.0	8.7	
	2000	-3.0	12.8	28.0	8.0	
<b>Total 1990</b>		<b>-4.0</b>	<b>12.8</b>	<b>30.0</b>	<b>7.8</b>	
<b>2000</b>	2001	-1.0	12.9	29.0	7.8	
	2002	-2.0	13.9	31.0	8.0	
	2003	-4.0	13.5	29.0	7.8	
	2004	-1.0	12.9	27.0	7.0	
	2005	-1.0	14.9	30.0	7.7	
	2006	-4.0	14.7	31.0	8.5	
	2007	-2.0	13.4	27.0	7.4	
	2008	1.0	15.2	29.0	7.6	
	2009	-1.0	13.8	28.0	6.6	
	2010	0.0	13.5	28.0	7.8	
<b>Total 2000</b>		<b>-4.0</b>	<b>13.9</b>	<b>31.0</b>	<b>7.7</b>	
<b>2010</b>	2011	0.0	14.0	29.0	7.6	
	2012	0.0	13.4	27.0	7.5	
	2013	0.0	13.6	30.0	7.7	
	2014	-1.0	15.3	29.0	7.5	
	2015	-3.0	14.9	28.0	7.3	
	2016	-2.0	5.0	17.0	3.9	
<b>Total 2010</b>		<b>-3.0</b>	<b>13.8</b>	<b>30.0</b>	<b>7.7</b>	
<b>Total general</b>		<b>-6.0</b>	<b>13.4</b>	<b>31.0</b>	<b>7.8</b>	

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Temp Max (°C)						
Década	Año	Mín.	Prom.	Máx.	Desv.	Est.
<b>1970</b>	1980	16.0	24.5	32.0	4.0	
<b>Total 1970</b>		<b>16.0</b>	<b>24.5</b>	<b>32.0</b>	<b>4.0</b>	
<b>1980</b>	1981	13.0	30.2	45.0	6.6	
	1982	10.0	30.9	44.0	7.6	
	1983	11.0	29.4	44.0	7.6	
	1984	8.0	29.9	44.0	6.9	
	1985	11.0	30.0	45.0	7.6	
	1986	12.0	30.6	45.0	6.6	
	1987	10.0	32.5	45.0	7.9	
	1988	10.0	33.7	45.0	7.4	
	1989	14.0	33.6	46.0	7.8	
	1990	13.0	29.1	46.0	7.8	
<b>Total 1980</b>		<b>8.0</b>	<b>31.0</b>	<b>46.0</b>	<b>7.5</b>	
<b>1990</b>	1991	10.0	30.3	44.0	7.2	
	1992	11.0	30.9	45.0	7.8	
	1993	14.0	30.8	46.0	7.1	
	1994	12.0	31.6	46.0	7.4	
	1995	15.0	32.2	45.0	7.1	
	1996	17.0	33.4	45.0	6.6	
	1997	15.0	32.6	46.0	7.7	
	1998	16.0	32.5	46.0	7.5	
	1999	12.0	32.4	44.0	6.4	
	2000	12.0	33.6	46.0	7.5	
<b>Total 1990</b>		<b>10.0</b>	<b>32.0</b>	<b>46.0</b>	<b>7.4</b>	
<b>2000</b>	2001	14.0	33.0	46.0	8.1	
	2002	10.0	33.2	47.0	7.7	
	2003	18.0	33.8	48.0	7.4	
	2004	11.0	32.1	46.0	9.4	
	2005	16.0	33.3	48.0	7.7	
	2006	13.0	33.1	47.0	7.2	
	2007	11.0	32.2	47.0	8.0	
	2008	16.0	32.4	47.0	7.1	
	2009	16.0	32.7	45.0	7.2	
	2010	12.0	32.4	47.0	7.7	
<b>Total 2000</b>		<b>10.0</b>	<b>32.8</b>	<b>48.0</b>	<b>7.8</b>	
<b>2010</b>	2011	8.0	33.3	48.0	8.5	
	2012	16.0	33.5	47.0	6.8	
	2013	13.0	32.0	47.0	7.6	
	2014	18.0	32.5	46.0	5.6	
	2015	10.0	30.1	45.0	6.9	
	2016	13.0	27.8	38.0	6.2	
<b>Total 2010</b>		<b>8.0</b>	<b>32.1</b>	<b>48.0</b>	<b>7.2</b>	
<b>Total general</b>		<b>8.0</b>	<b>31.9</b>	<b>48.0</b>	<b>7.5</b>	



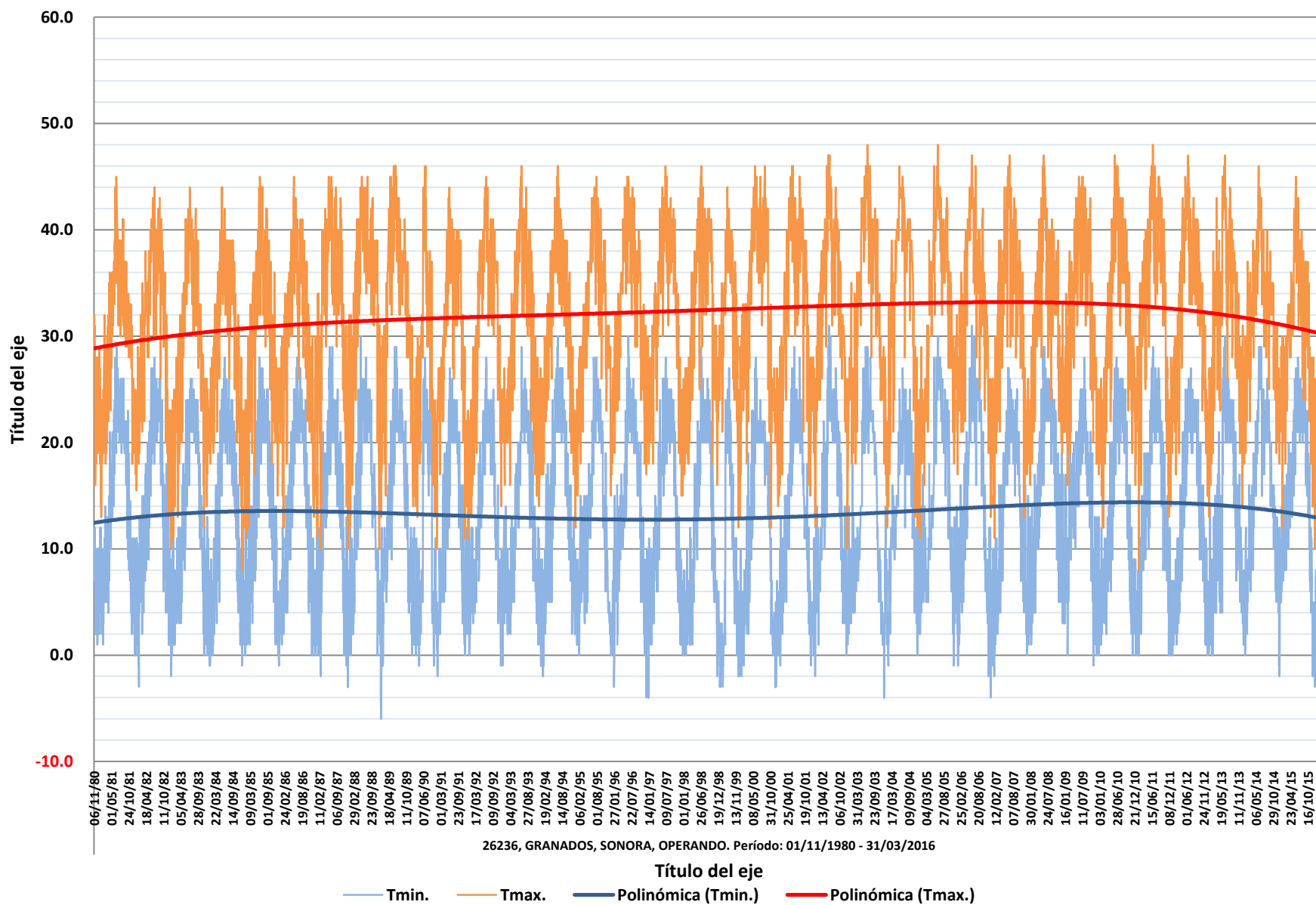
**SEMARNAT**  
SECRETARÍA DE MEDIO AMBIENTE  
Y RECURSOS NATURALES



**CONAGUA**  
COMISIÓN NACIONAL DEL AGUA

ESTACIONES CLIMATOLÓGICAS

## Registro Diario de Temperaturas Mínima y Máxima





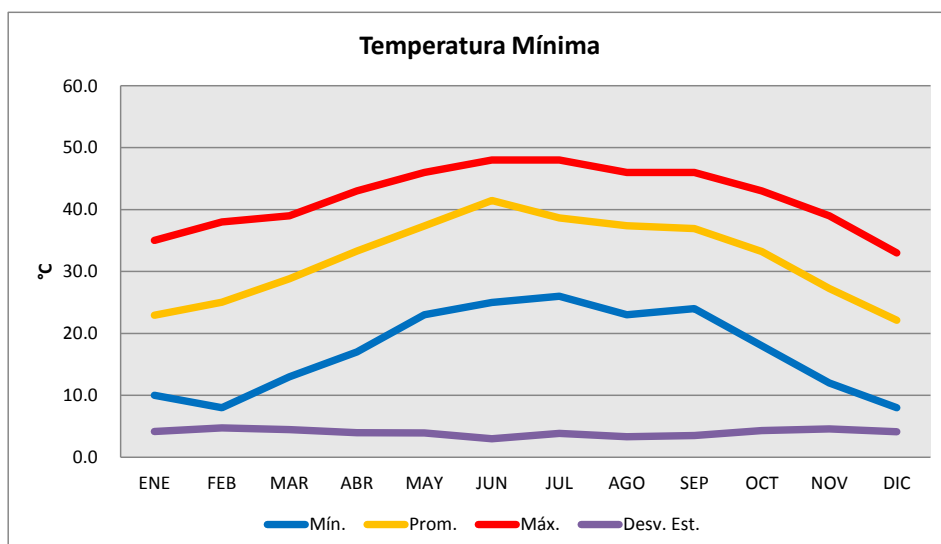
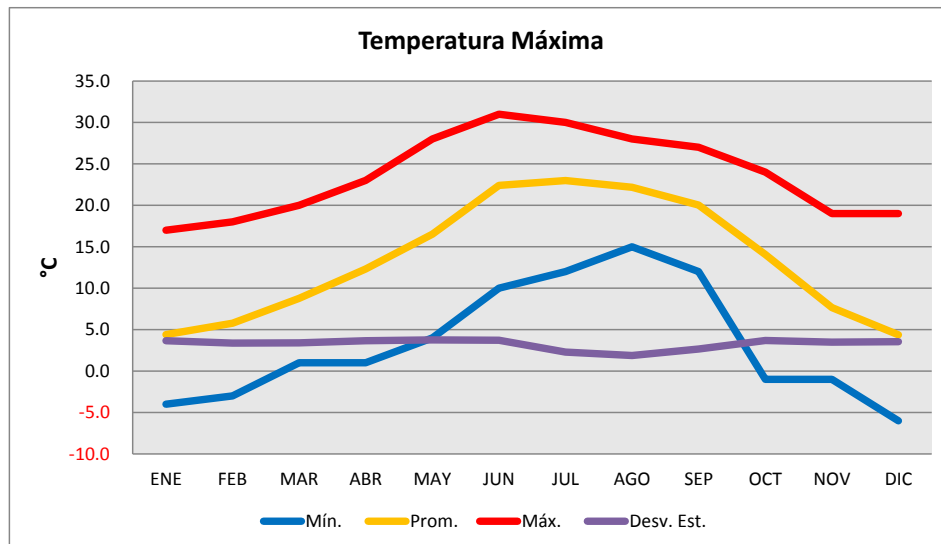


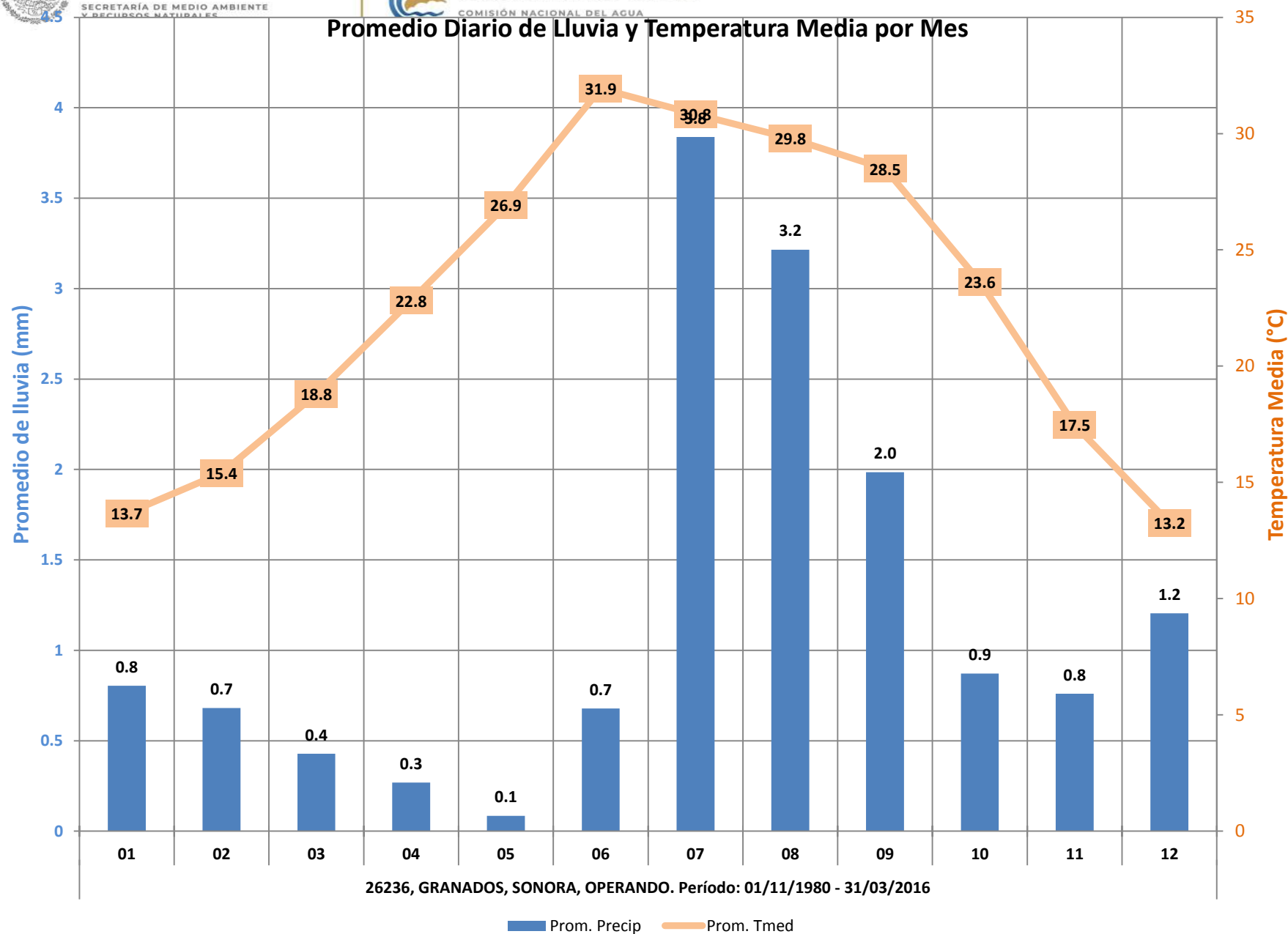
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Estacion	26236
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Temp Min (°C)					
Mes	Mín.	Prom.	Máx.	Desv. Est.	
ENE	-4.0	4.4	17.0	3.7	
FEB	-3.0	5.8	18.0	3.4	
MAR	1.0	8.8	20.0	3.4	
ABR	1.0	12.3	23.0	3.7	
MAY	4.0	16.5	28.0	3.8	
JUN	10.0	22.4	31.0	3.7	
JUL	12.0	23.0	30.0	2.3	
AGO	15.0	22.2	28.0	1.9	
SEP	12.0	20.0	27.0	2.7	
OCT	-1.0	14.1	24.0	3.7	
NOV	-1.0	7.7	19.0	3.5	
DIC	-6.0	4.4	19.0	3.6	
<b>Total general</b>	<b>-6.0</b>	<b>13.4</b>	<b>31.0</b>	<b>7.8</b>	

Temp Max (°C)					
Mes	Mín.	Prom.	Máx.	Desv. Est.	
ENE	10.0	22.9	35.0	4.2	
FEB	8.0	25.1	38.0	4.7	
MAR	13.0	28.8	39.0	4.5	
ABR	17.0	33.3	43.0	4.0	
MAY	23.0	37.3	46.0	3.9	
JUN	25.0	41.5	48.0	3.0	
JUL	26.0	38.7	48.0	3.8	
AGO	23.0	37.4	46.0	3.3	
SEP	24.0	36.9	46.0	3.5	
OCT	18.0	33.2	43.0	4.3	
NOV	12.0	27.3	39.0	4.6	
DIC	8.0	22.1	33.0	4.1	
<b>Total general</b>	<b>8.0</b>	<b>31.9</b>	<b>48.0</b>	<b>7.5</b>	





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		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)
1970	1980							0.1	6.4	24.3	0.0	4.4	25.0
Total 1970								0.1	6.4	24.3	0.0	4.4	25.0
1980	1981	0.5	16.6	33.6	5.3	22.5	36.1	0.7	10.8	28.3	1.6	6.4	22.8
	1982	0.0	15.9	34.5	2.3	22.6	38.0	1.6	10.6	27.6	0.4	6.2	23.3
	1983	0.3	13.3	31.9	3.0	22.4	37.4	2.1	10.7	26.6	1.9	5.4	21.4
	1984	0.3	16.7	34.2	4.2	21.3	35.5	2.1	10.5	26.0	0.9	4.9	23.7
	1985	0.8	15.2	34.0	3.1	22.2	36.8	1.4	9.4	26.5	0.5	5.0	22.3
	1986	0.4	16.9	35.8	3.8	21.9	35.3	2.2	9.0	26.1	1.0	5.9	25.0
	1987	0.3	16.0	36.7	3.7	21.4	38.2	0.7	10.0	30.5	0.7	3.7	22.7
	1988	0.4	16.3	36.0	3.6	23.0	39.6	1.2	10.6	32.9	0.4	4.1	24.5
	1989	0.1	16.0	40.2	2.7	22.3	38.5	0.4	9.9	29.7	1.1	6.7	24.6
	1990	0.6	16.3	36.7	4.7	21.1	35.0	1.4	3.6	21.9	0.9	4.3	23.2
Total 1980		0.3	15.9	35.2	3.6	22.1	37.1	1.4	10.0	28.1	1.0	5.3	23.3
1990	1991	0.2	14.4	32.9	2.7	21.7	36.9	1.5	10.0	29.0	1.0	4.8	23.1
	1992	0.6	14.3	34.3	3.1	21.7	37.7	1.1	8.2	29.6	1.1	6.4	21.9
	1993	0.3	13.3	34.9	2.0	21.9	36.9	1.0	11.1	27.6	1.3	6.2	23.6
	1994	0.2	16.0	35.3	2.5	23.1	38.9	3.1	10.7	28.3	0.5	5.4	23.7
	1995	0.0	11.8	34.5	2.8	22.8	39.5	0.5	9.7	31.0	1.2	5.7	23.6
	1996	0.0	15.9	37.7	2.9	22.6	38.1	0.3	9.5	30.2	0.1	5.9	26.8
	1997	0.4	15.1	36.1	2.1	22.6	40.1	1.6	10.0	28.8	0.3	5.7	25.3
	1998	0.6	12.4	35.5	2.7	22.6	39.7	0.5	10.2	30.5	0.4	3.6	24.1
	1999				2.5	21.0	38.8	0.1	8.3	31.0	0.0	0.9	29.5
	2000	0.1	16.5	38.7	2.3	20.7	39.9	2.0	9.2	27.7	0.1	4.6	27.9
Total 1990		0.3	14.4	35.7	2.6	22.1	38.6	1.2	9.7	29.3	0.6	5.0	24.8
2000	2001	0.0	15.7	38.1	2.1	22.0	39.3	0.4	10.0	30.9	0.7	3.9	23.5
	2002	0.0	16.5	38.7	1.9	23.0	39.2	0.5	10.3	29.9	0.9	5.7	24.6
	2003	0.0	14.4	36.3	2.2	23.0	41.1	0.3	10.5	32.3	0.7	5.8	25.3
	2004	0.7	15.0	37.4	2.2	20.5	40.1	1.6	11.0	27.6	0.8	5.2	23.0
	2005	0.2	15.7	36.9	1.8	24.0	40.4	0.4	12.1	31.5	1.2	7.5	24.3
	2006	0.1	18.6	38.5	3.5	23.9	37.8	0.5	9.9	30.0	0.4	6.4	25.9
	2007	0.3	15.2	36.0	4.2	21.9	38.7	1.0	11.8	29.9	0.6	4.7	24.0
	2008	0.3	17.1	37.0	2.4	23.7	37.3	0.6	13.4	30.6	0.2	6.7	24.4
	2009	0.3	16.9	37.0	3.6	20.5	38.9	1.5	8.4	28.4	0.3	9.2	26.1
	2010	0.0	15.5	36.2	3.7	22.9	39.6	0.3	10.1	30.8	1.2	5.3	22.9
Total 2000		0.2	16.1	37.2	2.8	22.5	39.3	0.7	10.7	30.2	0.7	6.0	24.4
2010	2011	0.0	16.6	37.5	1.9	22.8	40.9	1.5	10.9	28.8	0.0	5.3	26.0
	2012	0.0	15.3	38.6	3.5	22.1	38.2	0.0	11.3	31.6	0.1	4.6	25.6
	2013	0.0	14.0	35.7	3.2	22.9	38.4	0.8	11.9	29.7	0.3	5.3	24.1
	2014	0.0	18.5	36.6	4.0	23.0	35.6	0.5	13.1	30.0	0.1	6.5	27.6
	2015	0.4	17.0	34.0	3.4	23.0	35.8	1.1	10.9	26.9	1.5	8.6	23.6
	2016	0.0	10.9	30.6							0.5	4.2	27.5
Total 2010		0.1	16.2	36.4	3.2	22.8	37.7	0.8	11.6	29.4	0.4	5.8	25.7
Total general		0.2	15.6	36.1	3.0	22.3	38.2	1.0	10.3	29.2	0.7	5.5	24.4



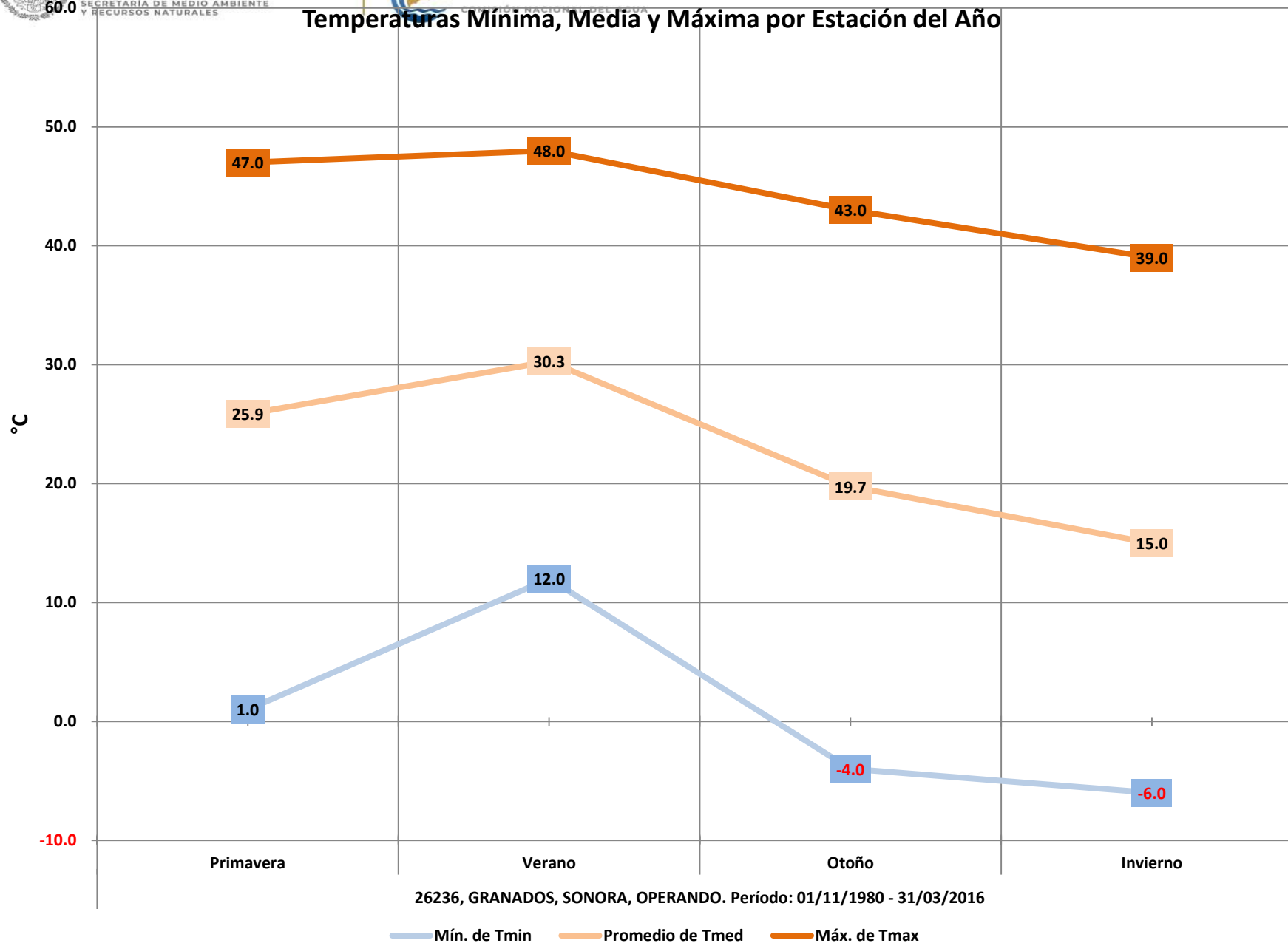
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## Temperaturas Mínima, Media y Máxima por Estación del Año





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