



## Datos de la Estación

ESTACIÓN:	<b>26152</b>
NOMBRE:	BENJAMIN HILL (FFCC)
ESTADO:	SONORA
MUNICIPIO:	SANTA ANA
LATITUD (°):	30.5333
LONGITUD (°):	-111.1167
ALTURA (msn):	709
SITUACIÓN:	OPERANDO
DATOS DESDE:	1 de enero de 1969
HASTA:	30 de abril de 2016

## Inventario de Registros por Década Año

Estacion	26152					
		N°de Casos				
Década	Año	Lluvia	Temp min	Temp max	Temp amb	Evaporación
<b>1960</b>	1969	79	78	76	48	
	<b>Total 1960</b>	<b>79</b>	<b>78</b>	<b>76</b>	<b>48</b>	
	<b>1970</b>	1973	253	253	253	
		1974	307	307	307	
		1975	307	306	306	
		1976	306	306	306	
		1977	308	308	308	
		1978	254	254	254	
	<b>Total 1970</b>	<b>1,735</b>	<b>1,734</b>	<b>1,734</b>		
<b>1980</b>	1987	43	43	43		
		1988	366	366	366	
		1989	365	365	365	362
		1990	364	365	364	365
	<b>Total 1980</b>	<b>1,138</b>	<b>1,139</b>	<b>1,138</b>	<b>730</b>	<b>717</b>
<b>1990</b>	1991	365	365	365	365	351
		1992	336	336	335	336
		1993	365	365	364	365
		1994	304	304	304	304
		1995	365	365	365	365
		1996	366	366	366	366
		1997	31	31	31	31
		1999	31	31	31	31
		2000	335	334	334	334
	<b>Total 1990</b>	<b>2,498</b>	<b>2,497</b>	<b>2,495</b>	<b>2,497</b>	<b>2,444</b>
<b>2000</b>	2001	365	365	365	365	337
		2002	365	361	361	361
		2003	364	361	359	361
		2004	366	365	364	365
		2005	365	362	361	362
		2006	365	360	359	359
		2007	365	364	362	364
		2008	366	366	366	364
		2009	365	365	365	364
		2010	304	304	304	304
	<b>Total 2000</b>	<b>3,590</b>	<b>3,573</b>	<b>3,566</b>	<b>3,569</b>	<b>3,423</b>
<b>2010</b>	2011	153	153	153	153	153
		2012	366	366	366	366
		2013	365	365	338	339
		2014	365	364	364	362
		2015	365	364	364	363
		2016	116	115	115	115
	<b>Total 2010</b>	<b>1,730</b>	<b>1,727</b>	<b>1,700</b>	<b>1,698</b>	<b>1,559</b>
<b>Total general</b>		<b>10,770</b>	<b>10,748</b>	<b>10,709</b>	<b>8,542</b>	<b>8,143</b>

Estacion	26152
NOMBRE	BENJAMIN HILL (FFCC)
ESTADO	SONORA

		Lluvia (mm)				
Década	Año	Mín.	Prom.	Máx.	Desv. Est.	
1960	1969	0.0	1.4	36.0	6.0	
Total 1960		0.0	1.4	36.0	6.0	
1970	1973	0.0	0.7	45.0	4.2	
	1974	0.0	0.2	8.2	1.0	
	1975	0.0	0.2	14.0	1.4	
	1976	0.0	0.2	9.0	1.1	
	1977	0.0	0.4	10.0	1.5	
	1978	0.0	0.5	18.5	2.1	
Total 1970		0.0	0.3	45.0	2.1	
1980	1987	0.0	0.4	9.0	1.5	
	1988	0.0	0.7	40.0	4.1	
	1989	0.0	0.7	44.0	4.3	
	1990	0.0	0.7	32.0	3.5	
Total 1980		0.0	0.7	44.0	3.9	
1990	1991	0.0	1.0	30.0	3.9	
	1992	0.0	1.2	56.0	5.1	
	1993	0.0	1.0	35.0	4.5	
	1994	0.0	2.1	119.0	10.0	
	1995	0.0	1.3	60.0	6.6	
	1996	0.0	0.4	32.5	2.7	
	1997	0.0	0.5	10.0	2.0	
	1999	0.0	0.3	9.0	1.6	
	2000	0.0	1.1	39.0	5.0	
Total 1990		0.0	1.1	119.0	5.6	
2000	2001	0.0	1.0	75.0	5.8	
	2002	0.0	0.8	51.0	4.5	
	2003	0.0	1.3	75.0	6.9	
	2004	0.0	1.1	120.0	7.0	
	2005	0.0	1.1	78.0	5.6	
	2006	0.0	1.0	56.0	5.5	
	2007	0.0	1.2	80.0	5.7	
	2008	0.0	0.9	46.0	4.4	
	2009	0.0	0.7	69.0	4.8	
	2010	0.0	1.2	45.0	5.2	
Total 2000		0.0	1.0	120.0	5.6	
2010	2011	0.0	0.8	21.0	2.6	
	2012	0.0	1.1	60.0	6.2	
	2013	0.0	0.6	45.0	3.5	
	2014	0.0	1.5	140.0	9.5	
	2015	0.0	0.8	42.0	3.9	
	2016	0.0	0.2	9.0	1.2	
Total 2010		0.0	0.9	140.0	5.8	
Total general		0.0	0.9	140.0	5.1	

Estacion	26152
NOMBRE	BENJAMIN HILL (FFCC)
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		Evap (mm)				
Década	Año	Mín.	Prom.	Máx.	Desv. Est.	
1960	1969					
Total 1960						
1970	1973					
	1974					
	1975					
	1976					
	1977					
	1978					
Total 1970						
1980	1987					
	1988					
	1989	0.3	5.6	14.7	3.1	
	1990	0.4	5.2	16.0	3.2	
Total 1980		0.3	5.4	16.0	3.2	
1990	1991	0.4	5.4	16.1	3.3	
	1992	0.3	4.6	14.0	2.2	
	1993	1.0	5.3	13.1	2.1	
	1994	1.1	5.5	13.6	1.9	
	1995	0.2	5.2	12.4	1.5	
	1996	1.4	5.3	10.7	1.7	
	1997	1.8	3.7	5.2	0.9	
	1999	3.0	4.0	5.4	0.5	
	2000	1.0	6.2	14.9	3.0	
Total 1990		0.2	5.3	16.1	2.3	
2000	2001	0.0	5.8	12.8	2.9	
	2002	0.4	6.5	17.4	3.4	
	2003	0.3	6.3	16.8	3.4	
	2004	0.8	6.0	13.9	3.5	
	2005	0.1	6.0	15.7	3.8	
	2006	0.1	6.1	16.3	3.6	
	2007	0.1	6.4	17.0	3.7	
	2008	0.5	7.5	18.0	4.0	
	2009	0.4	6.1	15.0	3.2	
	2010	0.3	6.2	16.4	3.5	
Total 2000		0.0	6.3	18.0	3.5	
2010	2011	0.2	5.6	12.5	3.3	
	2012	0.7	7.0	15.1	3.7	
	2013	0.1	6.3	18.0	3.7	
	2014	0.1	5.8	13.0	3.5	
	2015	0.6	5.2	14.4	3.1	
	2016					
Total 2010		0.1	6.1	18.0	3.5	
Total general		0.0	5.9	18.0	3.2	

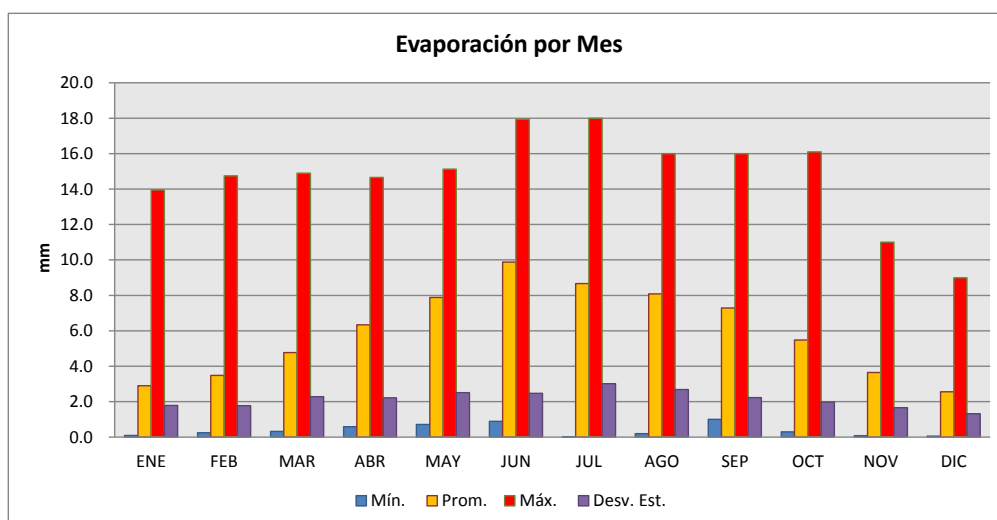
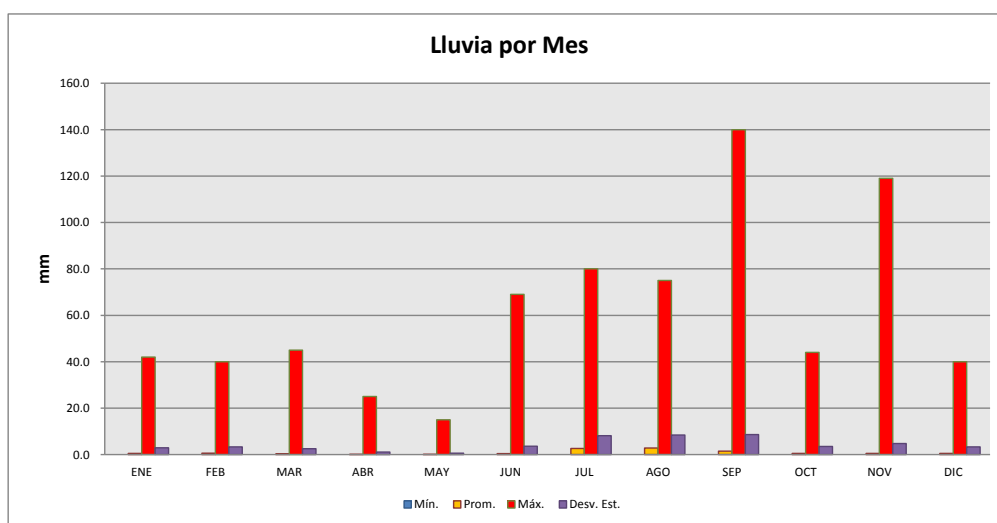


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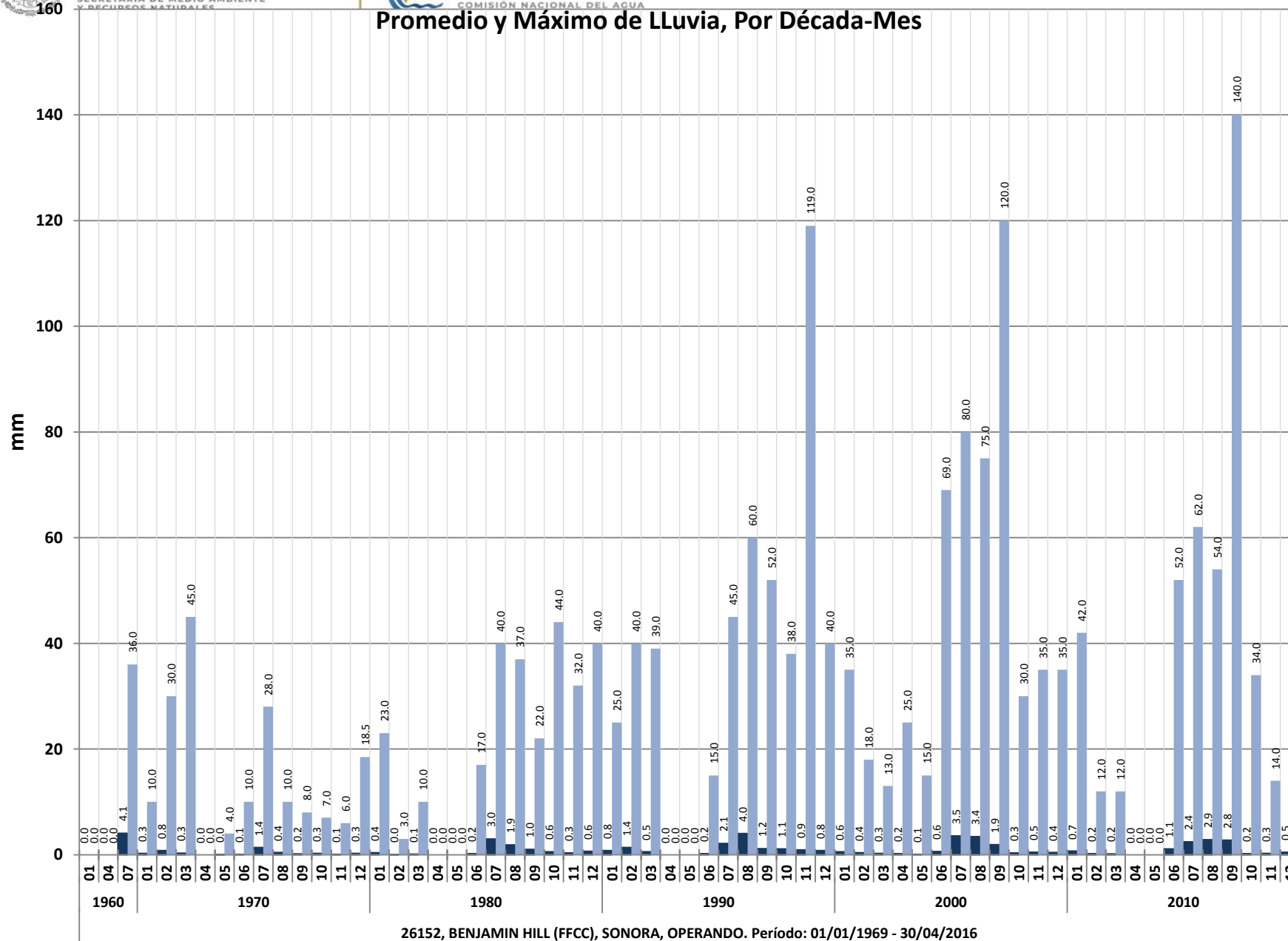
Lluvia (mm)					
Mes	Mín.	Prom.	Máx.	Desv. Est.	
ENE	0.0	0.6	42.0	2.9	
FEB	0.0	0.6	40.0	3.3	
MAR	0.0	0.3	45.0	2.5	
ABR	0.0	0.1	25.0	1.1	
MAY	0.0	0.0	15.0	0.6	
JUN	0.0	0.5	69.0	3.6	
JUL	0.0	2.7	80.0	8.2	
AGO	0.0	2.8	75.0	8.5	
SEP	0.0	1.5	140.0	8.6	
OCT	0.0	0.5	44.0	3.5	
NOV	0.0	0.5	119.0	4.8	
DIC	0.0	0.5	40.0	3.3	
<b>Total general</b>	<b>0.0</b>	<b>0.9</b>	<b>140.0</b>	<b>5.1</b>	

Evap (mm)					
Mes	Mín.	Prom.	Máx.	Desv. Est.	
ENE	0.1	2.9	13.9	1.8	
FEB	0.3	3.5	14.8	1.8	
MAR	0.3	4.8	14.9	2.3	
ABR	0.6	6.3	14.7	2.2	
MAY	0.7	7.9	15.1	2.5	
JUN	0.9	9.9	18.0	2.5	
JUL	0.0	8.7	18.0	3.0	
AGO	0.2	8.1	16.0	2.7	
SEP	1.0	7.3	16.0	2.2	
OCT	0.3	5.5	16.1	2.0	
NOV	0.1	3.6	11.0	1.7	
DIC	0.1	2.6	9.0	1.3	
<b>Total general</b>	<b>0.0</b>	<b>5.9</b>	<b>18.0</b>	<b>3.2</b>	





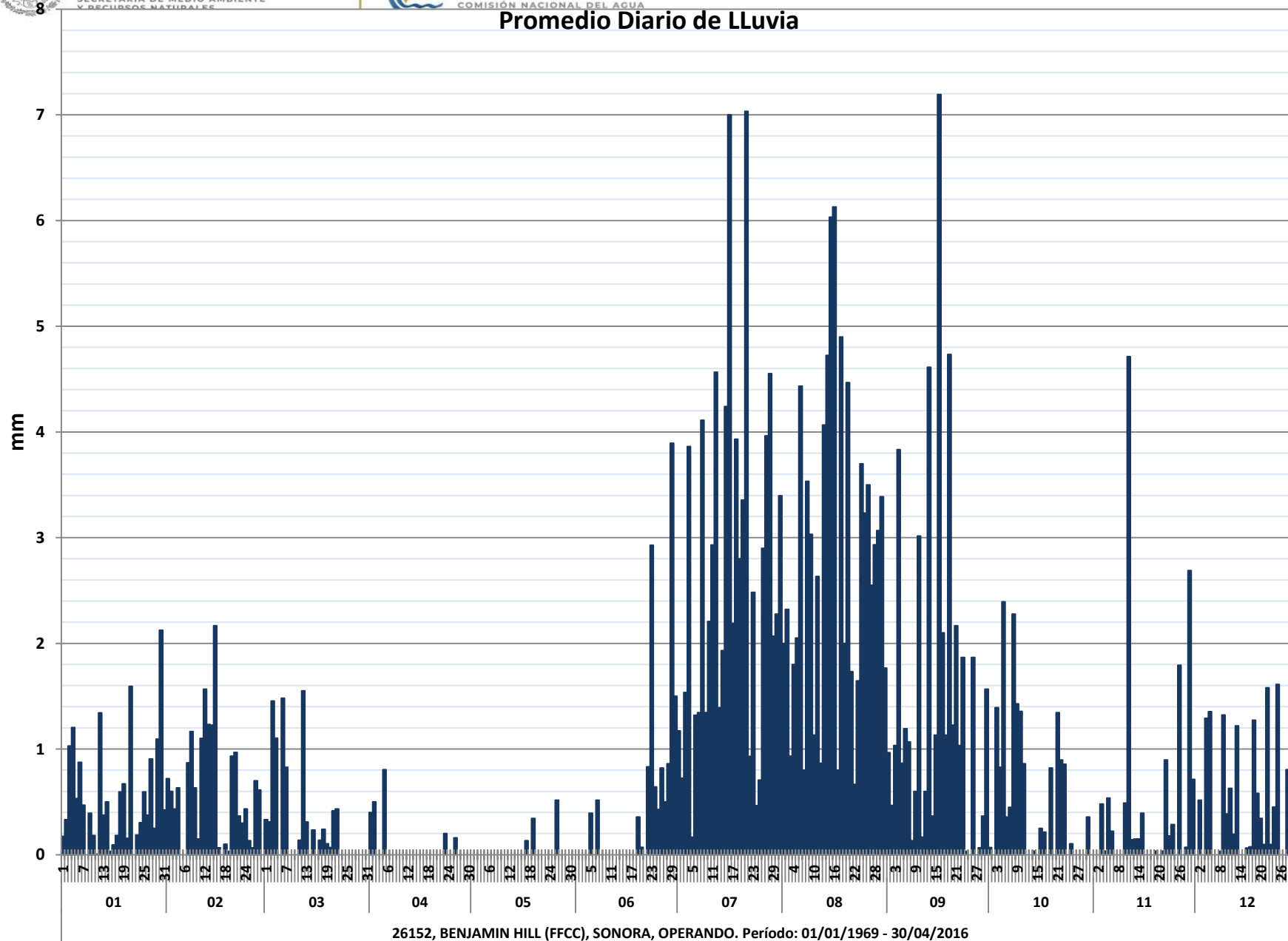
**Promedio y Máximo de Lluvia, Por Década-Mes**

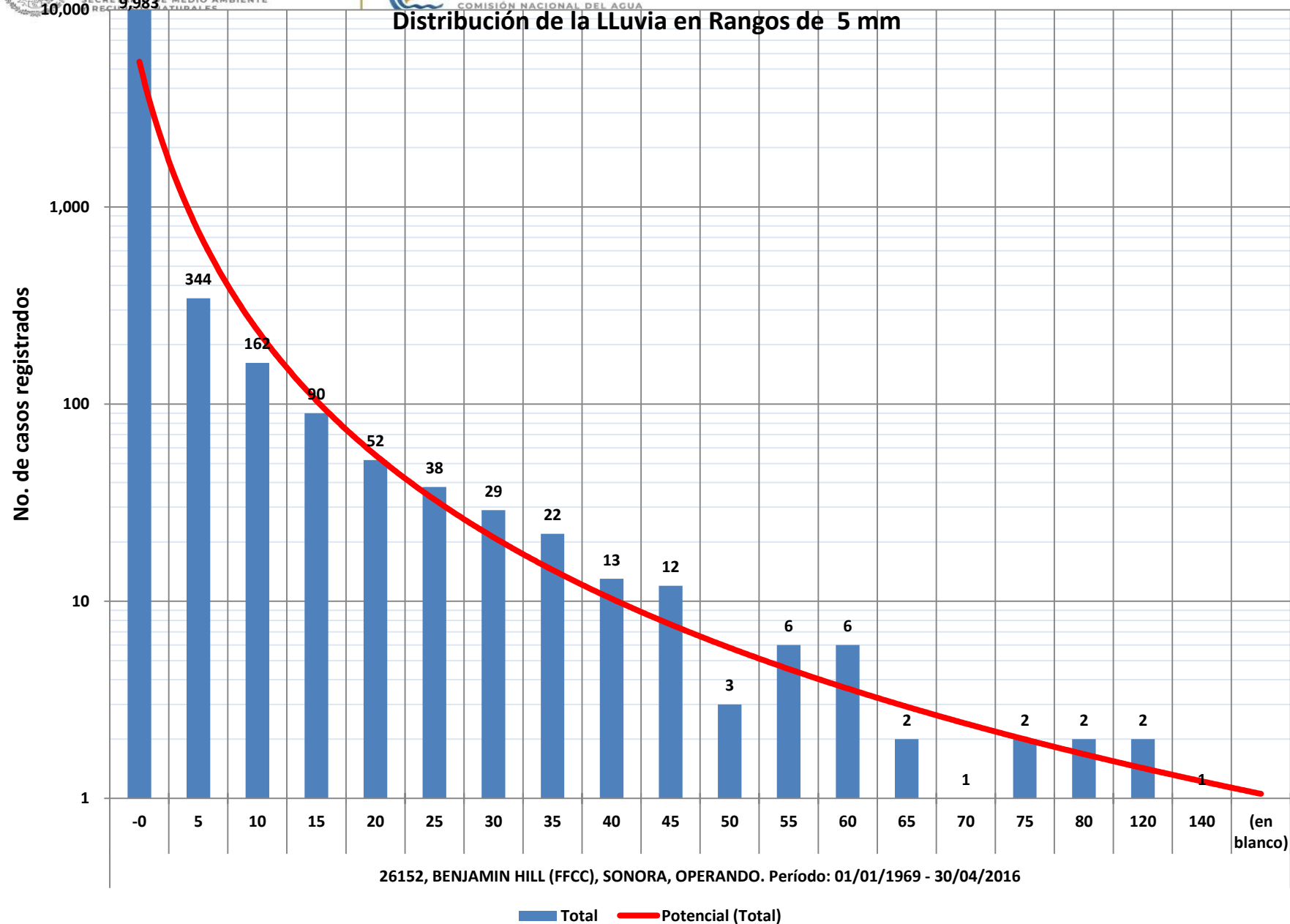


26152, BENJAMIN HILL (FFCC), SONORA, OPERANDO. Período: 01/01/1969 - 30/04/2016



**Promedio Diario de Lluvia**







Estacion 26152  
NOMBRE BENJAMIN HILL (FFCC)  
ESTADO SONORA

		Temp Min (°C)				
Década	Año	Mín.	Prom.	Máx.	Desv. Est.	
1960	1969	0.0	11.8	30.0	8.6	
<b>Total 1960</b>		<b>0.0</b>	<b>11.8</b>	<b>30.0</b>	<b>8.6</b>	
1970	1973	1.0	18.0	29.0	6.8	
	1974	0.0	13.3	32.0	9.9	
	1975	1.0	9.2	22.0	6.4	
	1976	1.0	10.1	22.0	7.2	
	1977	1.0	11.3	25.0	6.2	
	1978	1.0	11.2	20.0	6.3	
<b>Total 1970</b>		<b>0.0</b>	<b>12.1</b>	<b>32.0</b>	<b>7.8</b>	
1980	1987	0.0	4.4	12.0	2.5	
	1988	-2.0	16.0	26.0	6.1	
	1989	-6.0	14.4	24.0	6.6	
	1990	-2.0	12.7	25.0	6.6	
<b>Total 1980</b>		<b>-6.0</b>	<b>14.0</b>	<b>26.0</b>	<b>6.7</b>	
1990	1991	0.0	12.5	25.0	6.7	
	1992	3.0	18.8	29.0	8.4	
	1993	6.0	19.2	30.0	6.3	
	1994	8.0	17.0	28.0	4.4	
	1995	8.0	16.5	25.0	2.7	
	1996	5.0	15.0	20.0	2.7	
	1997	4.0	9.0	15.0	3.7	
	1999	4.0	5.7	9.0	1.5	
	2000	2.0	12.6	25.0	6.7	
<b>Total 1990</b>		<b>0.0</b>	<b>15.7</b>	<b>30.0</b>	<b>6.4</b>	
2000	2001	-3.0	13.2	26.0	7.9	
	2002	0.0	13.2	26.0	7.5	
	2003	-1.7	12.7	27.0	7.3	
	2004	-2.0	12.1	26.0	6.8	
	2005	-5.0	12.9	26.0	7.5	
	2006	-9.0	11.8	27.0	7.5	
	2007	-10.0	11.9	26.0	8.1	
	2008	-8.0	12.0	24.0	6.5	
	2009	-1.0	13.1	26.0	7.5	
	2010	-1.0	14.5	28.0	7.5	
<b>Total 2000</b>		<b>-10.0</b>	<b>12.7</b>	<b>28.0</b>	<b>7.4</b>	
2010	2011	-1.0	12.6	25.0	7.8	
	2012	-1.0	12.1	26.0	7.6	
	2013	-5.0	12.5	24.0	7.3	
	2014	-2.0	15.0	25.0	5.5	
	2015	-3.0	17.6	30.0	7.3	
	2016	5.0	10.7	16.0	2.6	
<b>Total 2010</b>		<b>-5.0</b>	<b>13.9</b>	<b>30.0</b>	<b>7.2</b>	
<b>Total general</b>		<b>-10.0</b>	<b>13.6</b>	<b>32.0</b>	<b>7.3</b>	

Estacion 26152  
NOMBRE BENJAMIN HILL (FFCC)  
ESTADO SONORA

		Temp Max (°C)				
Década	Año	Mín.	Prom.	Máx.	Desv. Est.	
1960	1969	13.0	30.4	46.0	7.2	
<b>Total 1960</b>		<b>13.0</b>	<b>30.4</b>	<b>46.0</b>	<b>7.2</b>	
1970	1973	14.0	31.1	45.0	8.6	
	1974	14.0	31.1	48.0	7.3	
	1975	15.0	31.9	42.0	6.6	
	1976	16.0	31.8	42.0	6.9	
	1977	17.0	32.3	42.0	6.7	
	1978	17.0	32.7	42.0	7.6	
<b>Total 1970</b>		<b>14.0</b>	<b>31.8</b>	<b>48.0</b>	<b>7.3</b>	
1980	1987	10.0	21.6	30.0	4.9	
	1988	13.0	31.8	40.0	6.2	
	1989	18.0	34.6	40.0	5.4	
	1990	19.0	34.5	40.0	5.3	
<b>Total 1980</b>		<b>10.0</b>	<b>33.2</b>	<b>40.0</b>	<b>6.2</b>	
1990	1991	14.0	33.5	40.0	5.3	
	1992	13.0	34.8	46.0	6.2	
	1993	19.0	34.1	48.0	5.6	
	1994	14.0	34.4	46.0	6.7	
	1995	19.0	32.2	45.0	5.6	
	1996	14.0	31.1	43.0	7.1	
	1997	17.0	19.9	25.0	2.0	
	1999	18.0	20.7	24.0	1.6	
	2000	13.0	28.8	43.0	7.2	
<b>Total 1990</b>		<b>13.0</b>	<b>32.4</b>	<b>48.0</b>	<b>6.8</b>	
2000	2001	5.0	29.3	44.0	9.2	
	2002	7.0	30.2	43.0	8.0	
	2003	10.0	30.1	49.0	7.5	
	2004	6.0	28.6	42.0	8.1	
	2005	8.0	29.8	44.0	8.7	
	2006	3.0	28.2	44.0	9.2	
	2007	1.0	28.6	45.0	10.3	
	2008	8.0	31.7	49.0	8.1	
	2009	6.0	29.6	42.0	7.0	
	2010	6.0	30.2	43.0	9.6	
<b>Total 2000</b>		<b>1.0</b>	<b>29.6</b>	<b>49.0</b>	<b>8.7</b>	
2010	2011	10.0	30.0	44.0	9.5	
	2012	7.0	32.1	45.0	7.7	
	2013	6.0	32.3	44.0	8.4	
	2014	9.0	30.0	44.0	9.4	
	2015	3.0	31.0	44.0	9.3	
	2016	18.0	24.7	31.0	2.7	
<b>Total 2010</b>		<b>3.0</b>	<b>30.8</b>	<b>45.0</b>	<b>8.7</b>	
<b>Total general</b>		<b>1.0</b>	<b>31.2</b>	<b>49.0</b>	<b>7.9</b>	



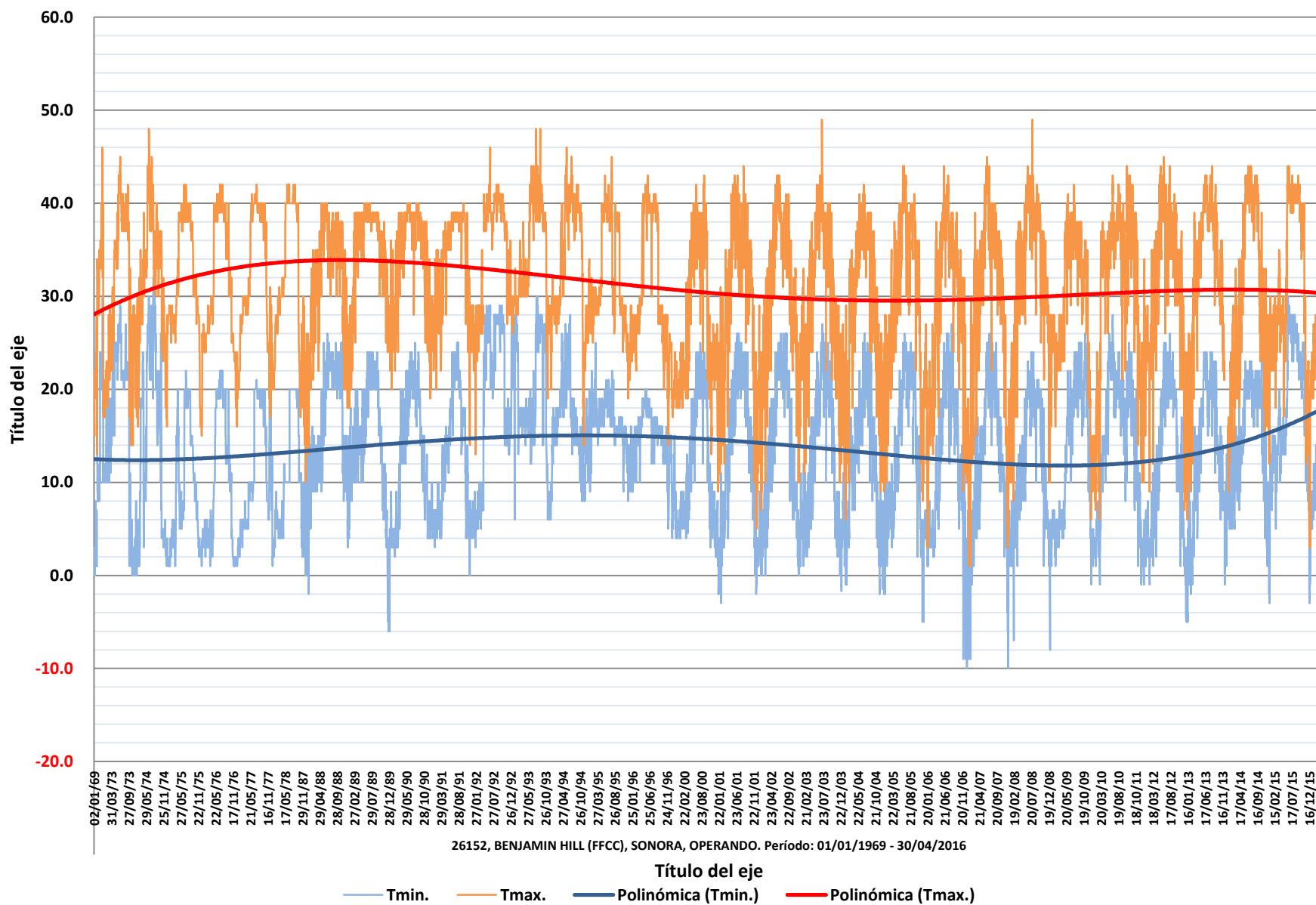
**SEMARNAT**  
SECRETARÍA DE MEDIO AMBIENTE  
Y RECURSOS NATURALES



**CONAGUA**  
COMISIÓN NACIONAL DEL AGUA

**ESTACIONES CLIMATOLÓGICAS**

## Registro Diario de Temperaturas Mínima y Máxima



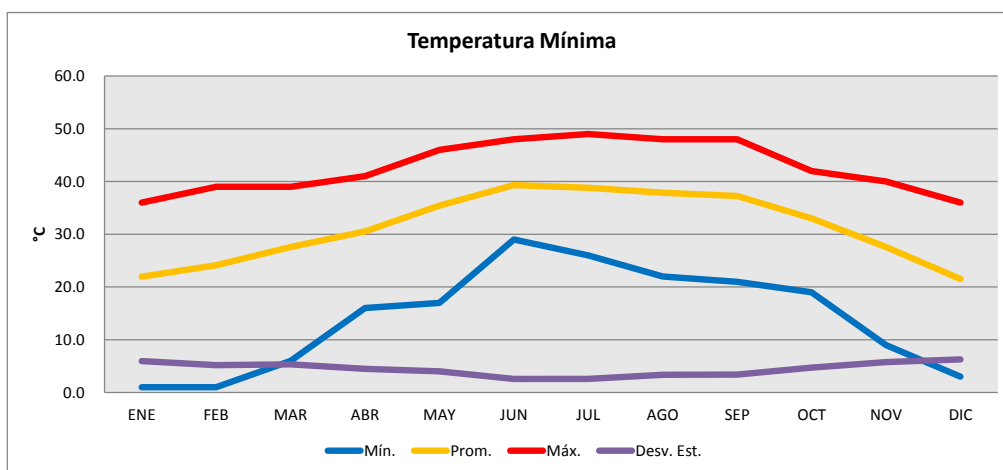
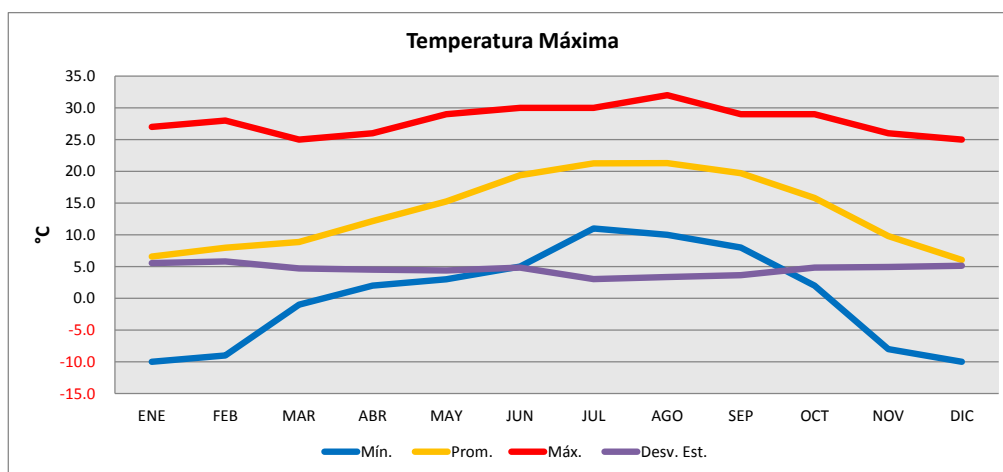


Estacion 26152  
 NOMBRE BENJAMIN HILL (FFCC)  
 ESTADO SONORA

Temp Min (°C)				
Mes	Mín.	Prom.	Máx.	Desv. Est.
ENE	-10.0	6.6	27.0	5.6
FEB	-9.0	8.0	28.0	5.8
MAR	-1.0	8.9	25.0	4.7
ABR	2.0	12.1	26.0	4.5
MAY	3.0	15.3	29.0	4.4
JUN	5.0	19.4	30.0	4.8
JUL	11.0	21.3	30.0	3.0
AGO	10.0	21.3	32.0	3.4
SEP	8.0	19.7	29.0	3.6
OCT	2.0	15.8	29.0	4.8
NOV	-8.0	9.8	26.0	4.9
DIC	-10.0	6.0	25.0	5.1
<b>Total general</b>	<b>-10.0</b>	<b>13.6</b>	<b>32.0</b>	<b>7.3</b>

Estacion 26152  
 NOMBRE BENJAMIN HILL (FFCC)  
 ESTADO SONORA

Temp Max (°C)				
Mes	Mín.	Prom.	Máx.	Desv. Est.
ENE	1.0	22.0	36.0	6.0
FEB	1.0	24.1	39.0	5.2
MAR	6.0	27.6	39.0	5.3
ABR	16.0	30.5	41.0	4.5
MAY	17.0	35.4	46.0	4.0
JUN	29.0	39.3	48.0	2.6
JUL	26.0	38.8	49.0	2.6
AGO	22.0	37.9	48.0	3.4
SEP	21.0	37.2	48.0	3.4
OCT	19.0	33.0	42.0	4.7
NOV	9.0	27.6	40.0	5.8
DIC	3.0	21.5	36.0	6.3
<b>Total general</b>	<b>1.0</b>	<b>31.2</b>	<b>49.0</b>	<b>7.9</b>



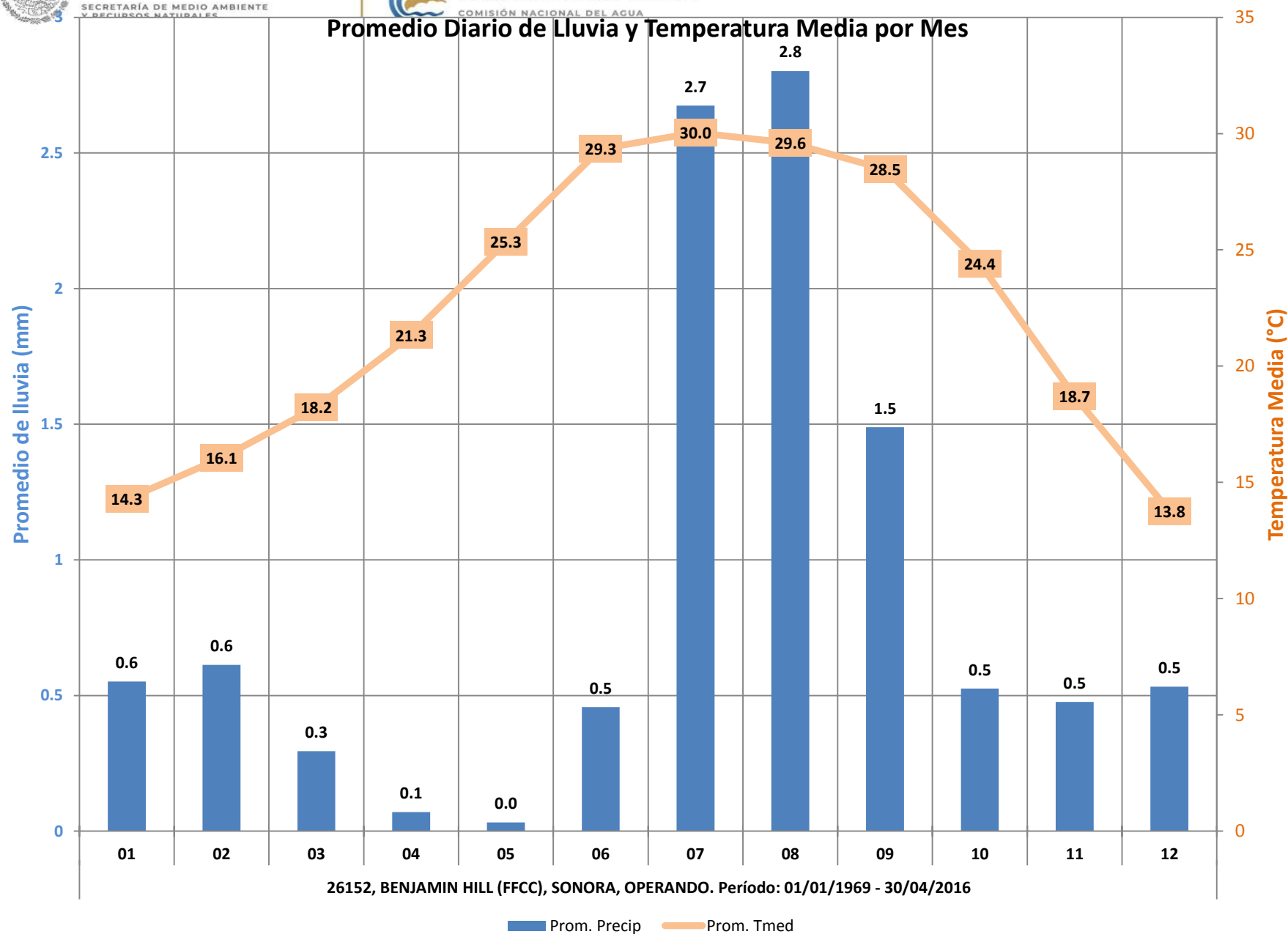


**SEMARNAT**  
SECRETARÍA DE MEDIO AMBIENTE  
Y RECURSOS NATURALES



**CONAGUA**  
COMISIÓN NACIONAL DEL AGUA

**ESTACIONES CLIMATOLÓGICAS**



Estacion	26152
NOMBRE	BENJAMIN HILL (FFCC)
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	1969	0.0	9.5	31.9	4.1	22.4	36.8				0.0	2.8	21.1	
	Total 1960	0.0	9.5	31.9	4.1	22.4	36.8				0.0	2.8	21.1	
1970	1973	0.0	21.3	32.3	0.6	22.9	40.0	0.0	10.4	27.0	1.6	11.8	21.6	
	1974	0.0	16.1	33.0	0.4	24.6	38.1	0.2	9.8	30.0	0.1	1.7	22.6	
	1975	0.0	9.3	34.5	0.6	17.2	39.0	0.0	7.2	27.8	0.2	2.9	26.2	
	1976	0.1	11.2	34.6	0.6	18.7	39.2	0.1	6.7	28.1	0.3	3.7	25.1	
	1977	0.0	7.7	33.2	1.0	18.3	39.5	0.3	14.0	30.8	0.2	5.0	25.3	
	1978	0.0	8.2	34.4	0.8	18.7	40.1	1.1	14.3	28.3	0.4	5.4	24.7	
Total 1970		0.0	12.3	33.7	0.7	20.1	39.3	0.2	9.9	29.0	0.5	5.1	24.3	
1980	1987							0.5	4.5	22.8	0.1	4.2	18.1	
	1988	0.0	13.3	34.3	2.0	22.7	36.2	0.7	18.1	32.6	0.1	9.8	23.9	
	1989	0.0	15.4	37.8	1.8	21.8	38.8	0.5	10.1	33.4	0.4	10.1	28.4	
	1990	0.0	15.0	37.4	1.9	20.5	38.4	0.5	10.5	33.9	0.3	4.4	28.3	
Total 1980		0.0	14.6	36.5	1.9	21.7	37.8	0.6	12.0	32.2	0.3	8.0	26.5	
1990	1991	0.0	12.2	34.0	2.3	21.5	38.4	0.6	10.1	32.5	0.8	6.1	29.0	
	1992	0.0	22.1	37.2	1.7	25.4	39.8	0.3	20.8	36.1	2.3	8.1	26.9	
	1993	0.0	17.2	33.1	2.0	22.4	40.8	0.6	15.7	32.4	1.2	21.5	29.8	
	1994	0.0	20.4	36.5	4.3	20.0	40.1	2.2	12.9	32.6	1.1	15.9	28.2	
	1995	0.0	17.6	35.1	3.4	17.5	36.4	0.3	14.8	28.9	1.5	16.0	28.1	
	1996	0.0	17.3	36.1	1.5	15.8	37.7	0.1	13.3	24.7	0.0	13.4	25.7	
	1997										0.5	9.0	19.9	
	1999							0.5	6.0	21.2	0.0	5.1	20.0	
	2000	0.2	14.8	33.6	2.1	21.4	36.0	2.0	10.8	25.5	0.4	6.4	22.3	
	Total 1990	0.0	17.0	34.9	2.5	20.6	38.6	0.9	13.8	30.1	1.0	12.1	26.6	
2000	2001	0.4	15.2	33.5	2.7	22.2	37.2	0.7	11.0	26.6	0.4	4.0	19.7	
	2002	0.0	14.8	33.9	2.0	22.5	37.5	0.6	10.5	27.9	0.5	4.6	21.3	
	2003	0.0	13.8	33.9	3.3	21.1	37.2	1.4	10.4	26.1	0.7	5.3	23.0	
	2004	0.3	13.9	31.8	3.3	20.3	36.7	0.3	8.5	25.4	0.5	5.7	20.4	
	2005	0.2	13.4	32.9	3.5	22.0	38.0	0.0	10.2	26.5	0.6	6.1	21.7	
	2006	0.1	12.4	31.5	3.6	20.3	36.2	0.3	10.4	27.7	0.1	3.7	16.8	
	2007	0.2	12.7	31.5	3.9	21.4	37.7	0.5	11.1	27.7	0.0	2.1	17.1	
	2008	0.0	12.8	35.1	3.0	19.1	38.9	0.3	11.6	31.4	0.1	4.5	21.4	
	2009	0.1	10.4	30.9	2.2	19.8	36.0	0.3	17.9	29.1	0.2	4.2	22.4	
	2010	0.0	17.2	34.5	2.5	20.7	37.6	0.8	15.2	31.8	1.3	3.7	15.8	
Total 2000		0.1	13.7	33.0	3.0	20.9	37.3	0.5	11.5	27.8	0.4	4.4	20.0	
2010	2011				1.8	20.6	38.0	0.3	9.4	27.0	0.0	2.0	17.5	
	2012	0.0	12.5	35.8	3.8	21.4	37.9	0.3	11.4	31.3	0.1	3.2	23.3	
	2013	0.0	15.0	35.4	2.1	20.3	39.8	0.1	10.4	30.5	0.2	4.3	21.8	
	2014	0.0	14.9	31.0	5.0	20.2	40.8	1.0	14.4	28.3	0.0	10.3	19.9	
	2015	0.0	16.9	30.7	1.5	25.9	41.0	0.2	16.8	28.0	1.5	10.6	24.1	
	2016	0.0	12.2	25.8							0.2	10.0	24.3	
Total 2010		0.0	14.6	32.6	2.9	21.8	39.6	0.4	12.5	29.0	0.4	7.5	22.5	
Total general		0.1	14.3	33.8	2.4	20.9	38.3	0.5	12.1	29.3	0.6	7.2	23.4	



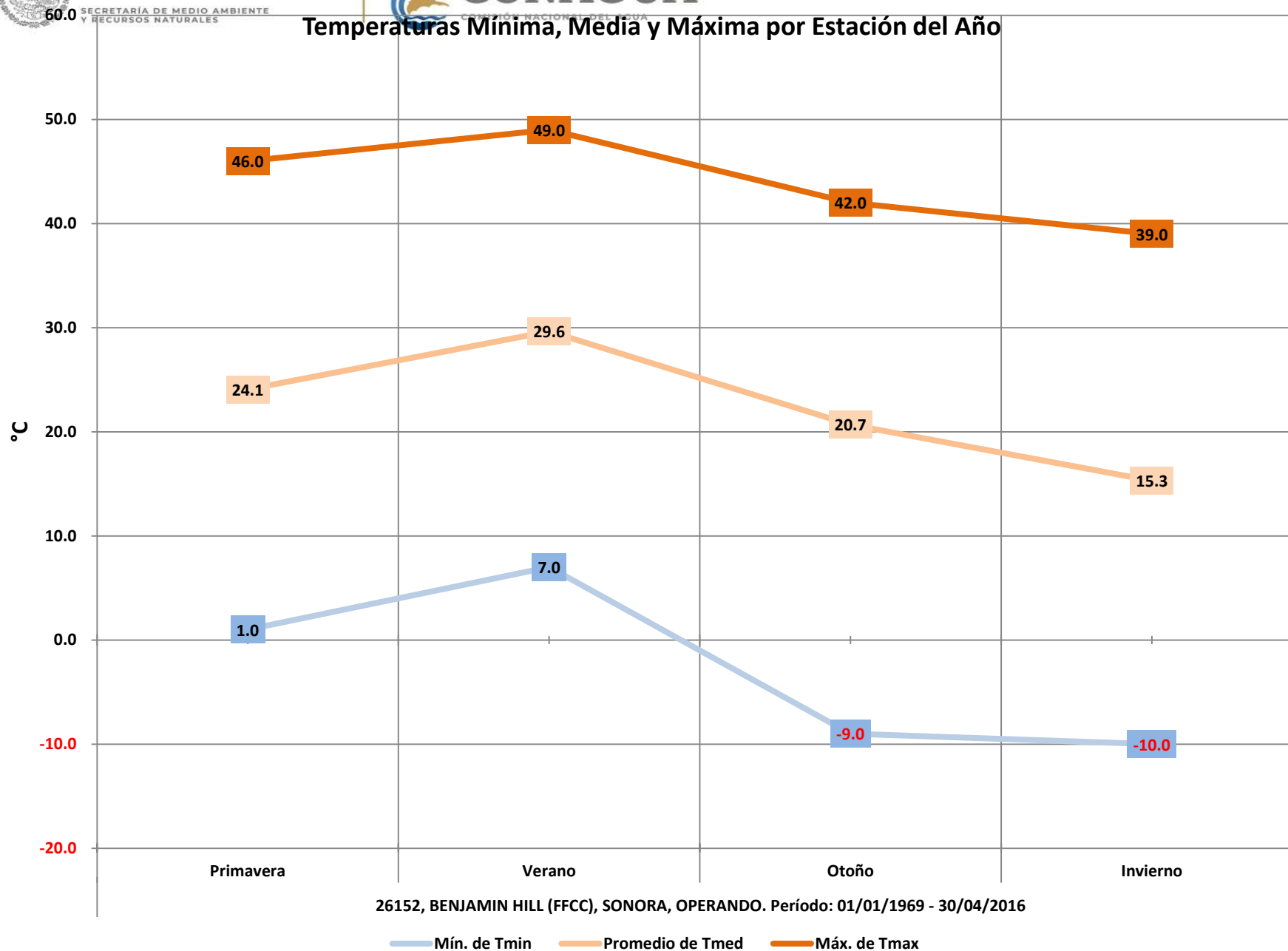
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## Temperaturas Mínima, Media y Máxima por Estación del Año





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