



Datos de la Estación

ESTACIÓN:	26164
NOMBRE:	SANTA CRUZ (FFCC)
ESTADO:	SONORA
MUNICIPIO:	SANTA CRUZ
LATITUD (°):	31.2283
LONGITUD (°):	-110.5933
ALTURA (msn):	1,352
SITUACIÓN:	OPERANDO
DATOS DESDE:	1 de enero de 1969
HASTA:	30 de abril de 2016

Inventario de Registros por Década Año

Estacion	26164					
N°de Casos						
Decada	Año	Lluvia	Temp min	Temp max	Temp amb	Evaporación
1960	1969	79	79	70	43	
Total 1960		79	79	70	43	
1970	1974	305	305	305		
	1975	304	304	304		
	1976	256	281	281		
	1977	306	306	306		
	1978	305	304	304		
	1980	76	75	76	75	71
Total 1970		1,552	1,575	1,576	75	71
1980	1981	351	351	351	351	341
	1982	282	274	272	274	192
	1983	56	57	56	57	46
	1984	259	258	259	258	128
	1985	365	365	365	365	63
	1986	127	127	127	127	
	1987	58	57	58	57	
	1988	335	335	335	335	335
	1989	181	181	181	181	181
Total 1980		2,014	2,005	2,004	2,005	1,286
1990	1991	306	122	122	122	
	1992	362	362	362	362	
	1993	334	61	61	61	
	1994	304	183	183	183	
	1995	365				
	1996	276	245	245	245	
	1997	61	61	61	61	
	2000	189	190	133	190	188
Total 1990		2,197	1,224	1,167	1,224	188
2000	2002	167	154	152	147	103
	2003	243	215	212	215	52
	2004	345	338	338	339	278
	2005	174	163	162	163	130
	2006	229	219	217	219	81
	2007	365	365	364	365	176
	2008	152	121	121	121	147
	2010	214	194	195	194	101
Total 2000		1,889	1,769	1,761	1,763	1,068
2010	2011	152	151	152	151	121
	2012	366	363	360	363	150
	2013	365	364	364	364	336
	2014	365	359	359	359	295
	2015	365	365	361	365	118
	2016	121	121	119	121	118
Total 2010		1,734	1,723	1,715	1,723	1,138
Total general		9,465	8,375	8,293	6,833	3,751

Estacion	26164
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		Lluvia (mm)				
Década	Año	Mín.	Prom.	Máx.	Desv. Est.	
1960	1969	0.0	2.1	30.0	6.7	
	Total 1960	0.0	2.1	30.0	6.7	
1970	1974	0.0	1.8	48.0	6.5	
	1975	0.0	1.7	40.0	5.8	
	1976	0.0	2.1	46.0	7.9	
	1977	0.0	1.7	52.0	6.5	
	1978	0.0	2.2	50.0	7.1	
	1980	0.0	0.2	7.0	0.9	
	Total 1970	0.0	1.8	52.0	6.6	
1980	1981	0.0	1.8	64.5	6.1	
	1982	0.0	1.8	42.5	6.1	
	1983	0.0	3.1	64.3	10.4	
	1984	0.0	2.5	47.0	6.0	
	1985	0.0	2.3	80.0	9.5	
	1986	0.0	1.6	41.0	5.8	
	1987	0.0	0.8	15.0	2.7	
	1988	0.0	1.3	42.0	4.5	
	1989	0.0	0.7	30.0	3.6	
	Total 1980	0.0	1.8	80.0	6.5	
1990	1991	0.0	1.0	20.0	3.5	
	1992	0.0	1.8	80.0	6.6	
	1993	0.0	1.6	41.0	5.9	
	1994	0.0	1.5	100.0	7.5	
	1995	0.0	0.8	20.0	2.6	
	1996	0.0	0.8	60.0	4.4	
	1997	0.0	0.2	12.0	1.5	
	2000	0.0	1.6	33.5	4.8	
	Total 1990	0.0	1.3	100.0	5.3	
2000	2002	0.0	1.5	132.0	10.8	
	2003	0.0	1.0	34.0	3.7	
	2004	0.0	1.2	55.0	4.6	
	2005	0.0	0.9	23.0	3.0	
	2006	0.0	0.4	14.0	1.7	
	2007	0.0	2.7	45.0	8.2	
	2008	0.0	0.6	40.0	4.3	
	2010	0.0	2.0	47.0	6.6	
	Total 2000	0.0	1.4	132.0	6.1	
2010	2011	0.0	1.0	34.0	4.7	
	2012	0.0	1.0	33.0	3.7	
	2013	0.0	0.5	28.0	2.6	
	2014	0.0	1.8	65.0	6.7	
	2015	0.0	1.3	60.0	5.1	
	2016	0.0	0.6	30.0	3.3	
Total 2010		0.0	1.1	65.0	4.7	
Total general		0.0	1.5	132.0	5.9	

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		Evap (mm)				
Década	Año	Mín.	Prom.	Máx.	Desv. Est.	
1960	1969					
	Total 1960					
1970	1974					
	1975					
	1976					
	1977					
	1978					
	1980	0.4	3.8	8.6	1.8	
	Total 1970	0.4	3.8	8.6	1.8	
1980	1981	0.1	5.2	13.4	3.0	
	1982	0.3	5.3	14.7	3.1	
	1983	0.1	1.7	5.7	1.1	
	1984	1.6	7.5	12.9	2.8	
	1985	3.6	8.8	14.7	2.9	
	1986					
	1987					
	1988	0.1	4.5	13.5	2.6	
	1989	0.6	6.2	11.2	2.9	
	Total 1980	0.1	5.5	14.7	3.1	
1990	1991					
	1992					
	1993					
	1994					
	1995					
	1996					
	1997					
	2000	1.0	7.3	13.1	2.4	
	Total 1990	1.0	7.3	13.1	2.4	
2000	2002	1.0	6.2	15.0	4.0	
	2003	1.0	3.7	6.0	1.2	
	2004	0.3	5.9	13.0	3.3	
	2005	0.5	3.0	8.0	1.4	
	2006	1.0	5.5	14.0	3.0	
	2007	0.5	6.3	11.5	3.4	
	2008	0.1	4.5	11.5	4.0	
	2010	3.0	9.0	18.0	3.3	
	Total 2000	0.1	5.6	18.0	3.6	
2010	2011	1.0	4.8	10.0	2.0	
	2012	1.0	5.0	10.0	2.0	
	2013	1.0	4.2	10.0	2.2	
	2014	2.0	6.1	13.0	2.4	
	2015	1.0	3.8	10.0	1.9	
	2016	1.0	4.7	11.0	2.3	
Total 2010		1.0	4.9	13.0	2.3	
Total general		0.1	5.4	18.0	3.1	

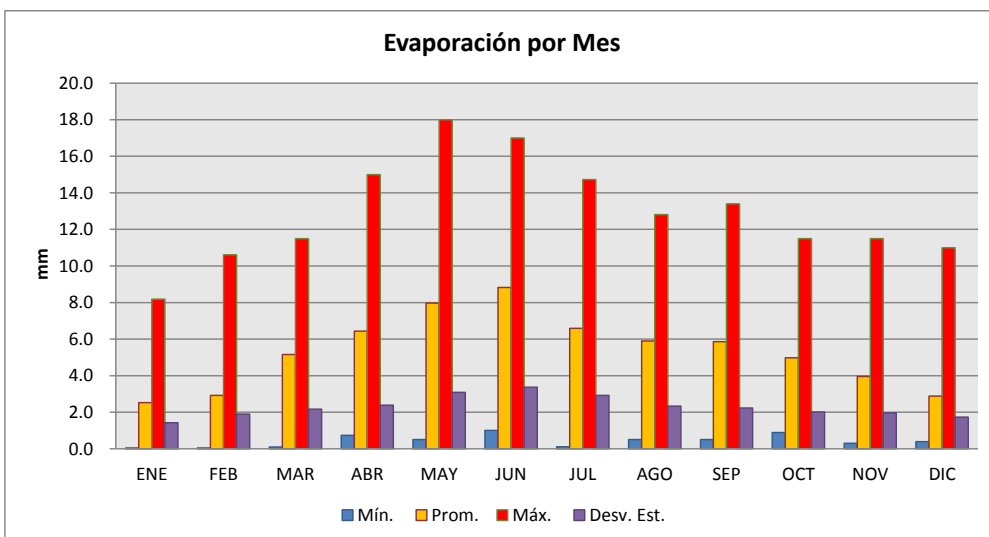
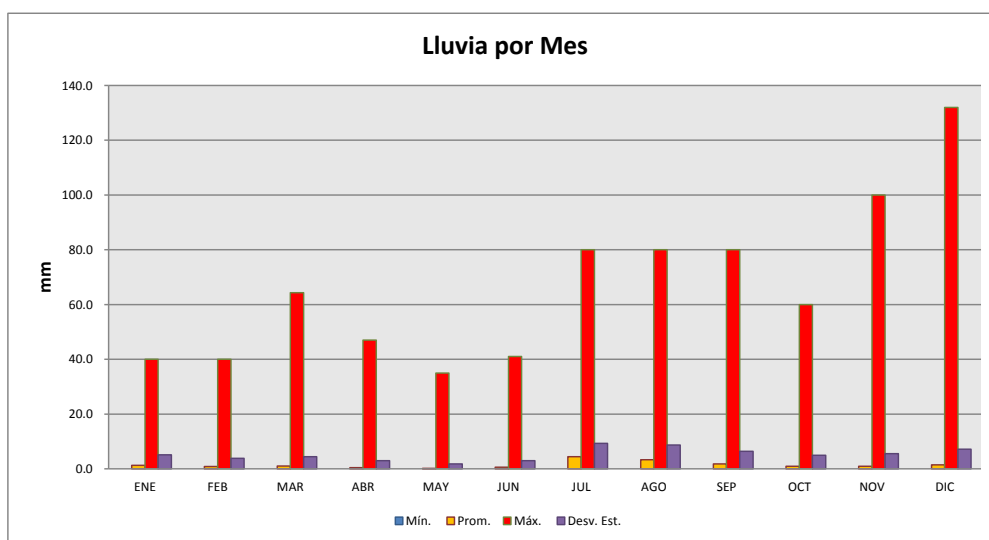


Estación	26164
NOMBRE	SANTA CRUZ (FFCC)
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Estación	26164
NOMBRE	SANTA CRUZ (FFCC)
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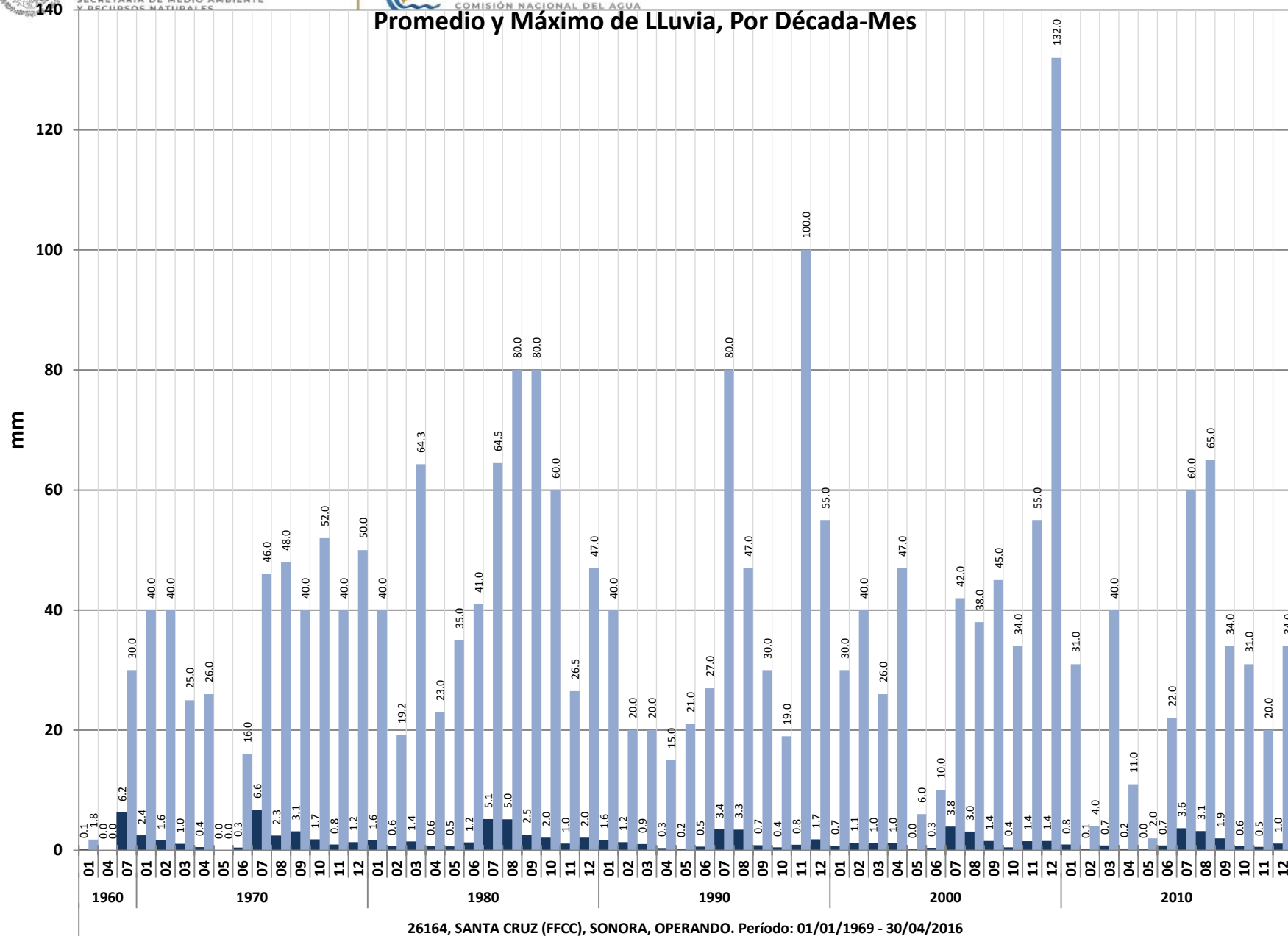
Lluvia (mm)					
Mes	Mín.	Prom.	Máx.	Desv. Est.	
ENE		0.0	1.3	40.0	5.1
FEB		0.0	0.9	40.0	3.9
MAR		0.0	1.0	64.3	4.5
ABR		0.0	0.5	47.0	3.0
MAY		0.0	0.2	35.0	1.8
JUN		0.0	0.6	41.0	3.0
JUL		0.0	4.4	80.0	9.3
AGO		0.0	3.3	80.0	8.7
SEP		0.0	1.8	80.0	6.4
OCT		0.0	0.9	60.0	4.9
NOV		0.0	0.9	100.0	5.6
DIC		0.0	1.5	132.0	7.1
Total general		0.0	1.5	132.0	5.9

Evap (mm)					
Mes	Mín.	Prom.	Máx.	Desv. Est.	
ENE		0.1	2.5	8.2	1.4
FEB		0.1	2.9	10.6	1.9
MAR		0.1	5.2	11.5	2.2
ABR		0.7	6.4	15.0	2.4
MAY		0.5	8.0	18.0	3.1
JUN		1.0	8.8	17.0	3.4
JUL		0.1	6.6	14.7	2.9
AGO		0.5	5.9	12.8	2.3
SEP		0.5	5.9	13.4	2.2
OCT		0.9	5.0	11.5	2.0
NOV		0.3	4.0	11.5	2.0
DIC		0.4	2.9	11.0	1.7
Total general		0.1	5.4	18.0	3.1





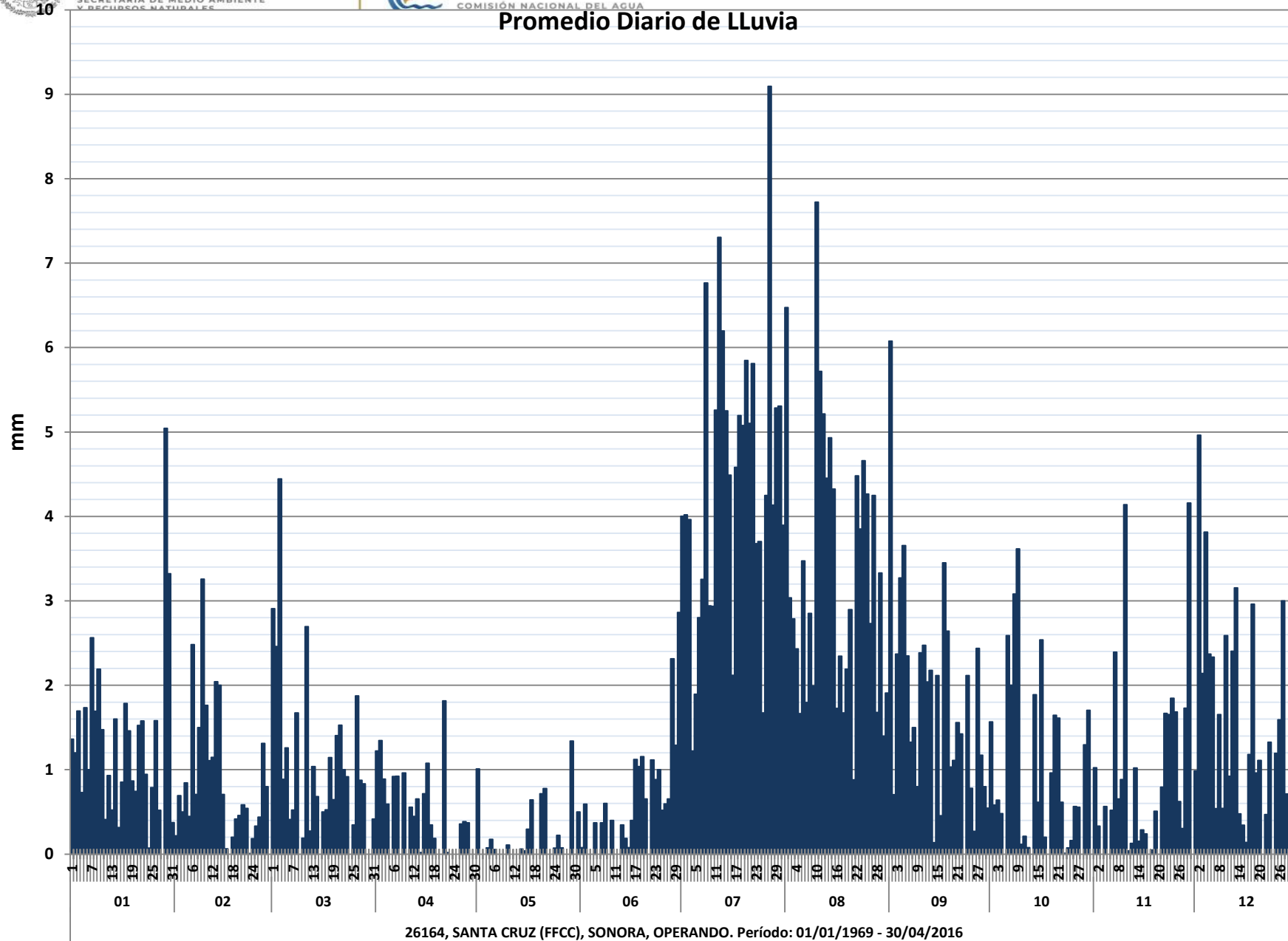
Promedio y Máximo de Lluvia, Por Década-Mes

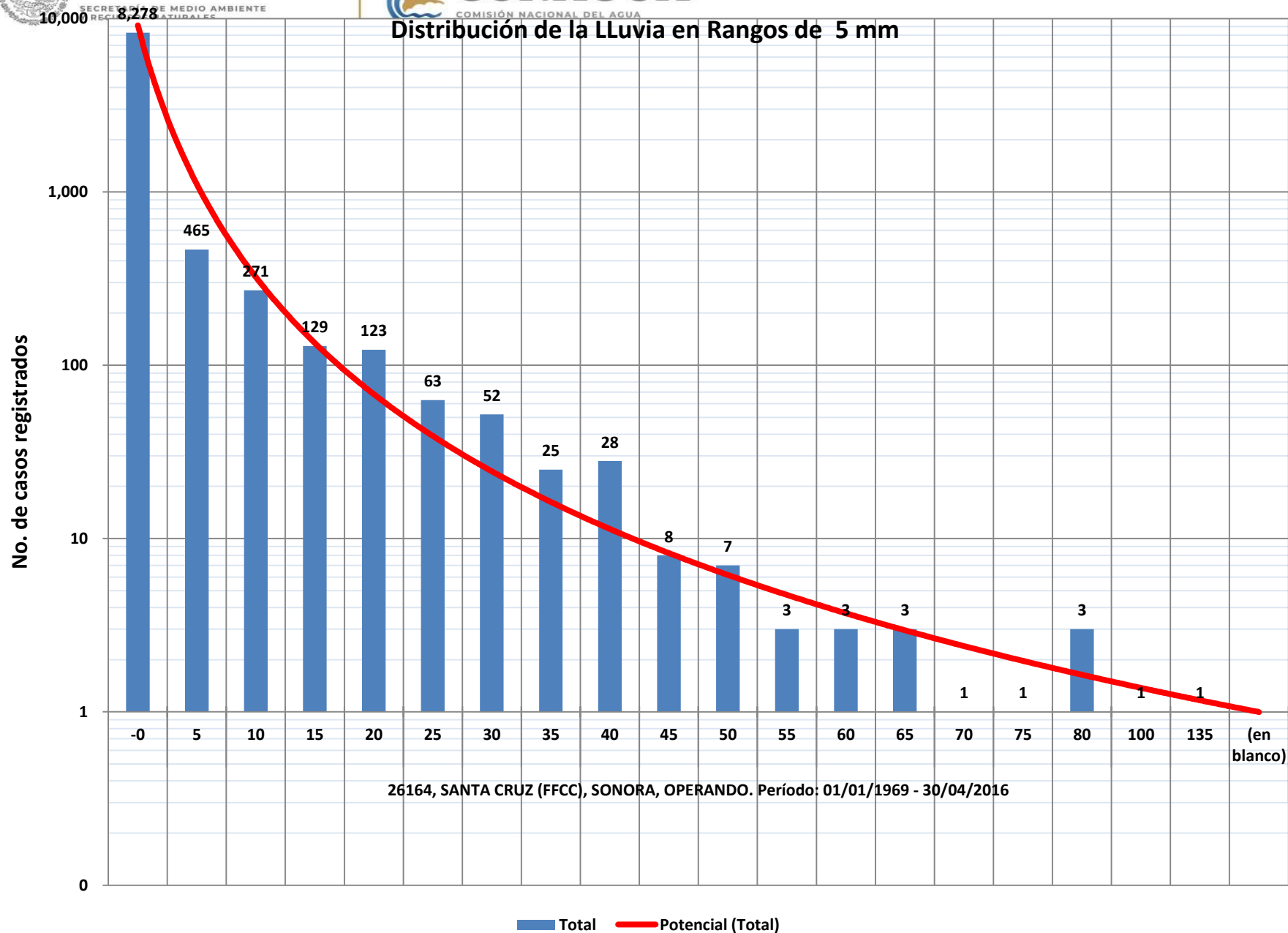


26164, SANTA CRUZ (FFCC), SONORA, OPERANDO. Período: 01/01/1969 - 30/04/2016



Promedio Diario de Lluvia





Estacion 26164
 NOMBRE SANTA CRUZ (FFCC)
 ESTADO SONORA

		Temp Min (°C)				
Década	Año	Mín.	Prom.	Máx.	Desv. Est.	
1960	1969	-4.0	9.6	16.0	5.5	
	Total 1960	-4.0	9.6	16.0	5.5	
1970	1974	-5.0	8.1	19.0	5.6	
	1975	-5.0	7.8	17.0	5.1	
	1976	-6.0	8.3	18.0	5.3	
	1977	-4.0	9.6	18.0	4.5	
	1978	-8.0	7.8	19.0	5.1	
	1980	-1.0	3.7	20.0	4.4	
Total 1970		-8.0	8.1	20.0	5.2	
1980	1981	-8.0	8.5	25.0	8.0	
	1982	-12.0	4.2	21.0	5.9	
	1983	-7.0	-2.2	3.0	2.3	
	1984	-5.0	10.9	24.0	5.8	
	1985	-8.0	6.2	20.5	6.2	
	1986	-4.0	4.2	16.0	4.5	
	1987	-6.0	3.2	13.0	3.3	
	1988	-5.0	8.6	22.0	6.7	
	1989	-4.0	9.0	23.0	6.5	
Total 1980		-12.0	7.2	25.0	6.9	
1990	1991	4.0	7.1	9.0	0.8	
	1992	2.0	7.1	9.0	1.2	
	1993	5.0	7.5	9.0	0.6	
	1994	5.0	7.4	12.0	1.2	
	1995					
	1996	0.0	11.5	25.0	6.1	
	1997	1.0	6.9	14.0	3.5	
	2000	-2.0	12.4	20.0	5.4	
Total 1990		-2.0	8.8	25.0	4.3	
2000	2002	-6.0	8.0	20.0	7.7	
	2003	-6.0	8.2	22.0	8.1	
	2004	-7.5	6.8	19.0	5.7	
	2005	-3.0	7.2	28.0	6.3	
	2006	-8.0	11.2	28.0	8.0	
	2007	-15.0	10.9	28.0	9.4	
	2008	-13.0	0.3	12.0	7.6	
	2010	-2.0	10.5	23.0	5.9	
Total 2000		-15.0	8.4	28.0	8.0	
2010	2011	-10.0	6.9	19.0	7.9	
	2012	-9.0	6.2	21.0	6.7	
	2013	-13.0	6.2	22.0	7.2	
	2014	-12.0	5.1	19.0	8.0	
	2015	-12.0	5.6	22.5	8.1	
	2016	-12.0	-1.5	9.0	4.0	
Total 2010		-13.0	5.3	22.5	7.6	
Total general		-15.0	7.5	28.0	6.8	

Estacion 26164
 NOMBRE SANTA CRUZ (FFCC)
 ESTADO SONORA

		Temp Max (°C)				
Década	Año	Mín.	Prom.	Máx.	Desv. Est.	
1960	1969	18.0	30.0	44.0	6.7	
	Total 1960	18.0	30.0	44.0	6.7	
1970	1974	20.0	30.8	40.0	4.1	
	1975	20.0	30.5	40.0	4.5	
	1976	22.0	30.9	40.0	4.6	
	1977	22.0	31.7	40.0	4.2	
	1978	18.0	28.9	40.0	5.1	
	1980	10.0	20.8	33.0	5.3	
Total 1970		10.0	30.1	40.0	5.1	
1980	1981	4.5	24.9	39.0	7.2	
	1982	11.0	24.5	37.0	6.4	
	1983	8.0	18.1	23.0	3.8	
	1984	7.0	26.5	37.0	6.0	
	1985	6.0	23.9	40.0	7.5	
	1986	9.0	23.7	37.0	6.0	
	1987	8.0	17.9	27.5	4.6	
	1988	6.0	25.0	37.0	7.1	
	1989	7.0	25.5	38.0	7.5	
Total 1980		4.5	24.5	40.0	7.0	
1990	1991	12.0	33.2	41.0	6.0	
	1992	11.0	30.2	45.0	7.5	
	1993	18.0	23.9	31.0	3.9	
	1994	18.0	35.7	48.0	6.6	
	1995					
	1996	10.0	30.1	40.0	5.6	
	1997	16.0	28.2	37.0	5.0	
	2000	12.0	29.9	39.0	4.9	
Total 1990		10.0	30.9	48.0	6.8	
2000	2002	7.0	26.5	40.0	7.8	
	2003	12.0	27.0	39.0	6.9	
	2004	8.0	26.7	41.0	7.3	
	2005	13.0	23.7	40.0	6.2	
	2006	15.0	28.3	40.0	6.1	
	2007	4.0	25.5	40.0	8.4	
	2008	2.0	19.5	30.0	8.8	
	2010	10.0	30.4	40.0	5.3	
Total 2000		2.0	26.3	41.0	7.6	
2010	2011	4.0	25.8	39.0	9.0	
	2012	5.0	26.1	40.5	8.0	
	2013	7.0	25.7	42.0	8.4	
	2014	7.0	26.6	40.0	7.1	
	2015	5.0	25.7	40.0	7.4	
	2016	5.0	22.4	37.0	6.4	
Total 2010		4.0	25.8	42.0	7.8	
Total general		2.0	27.2	48.0	7.4	



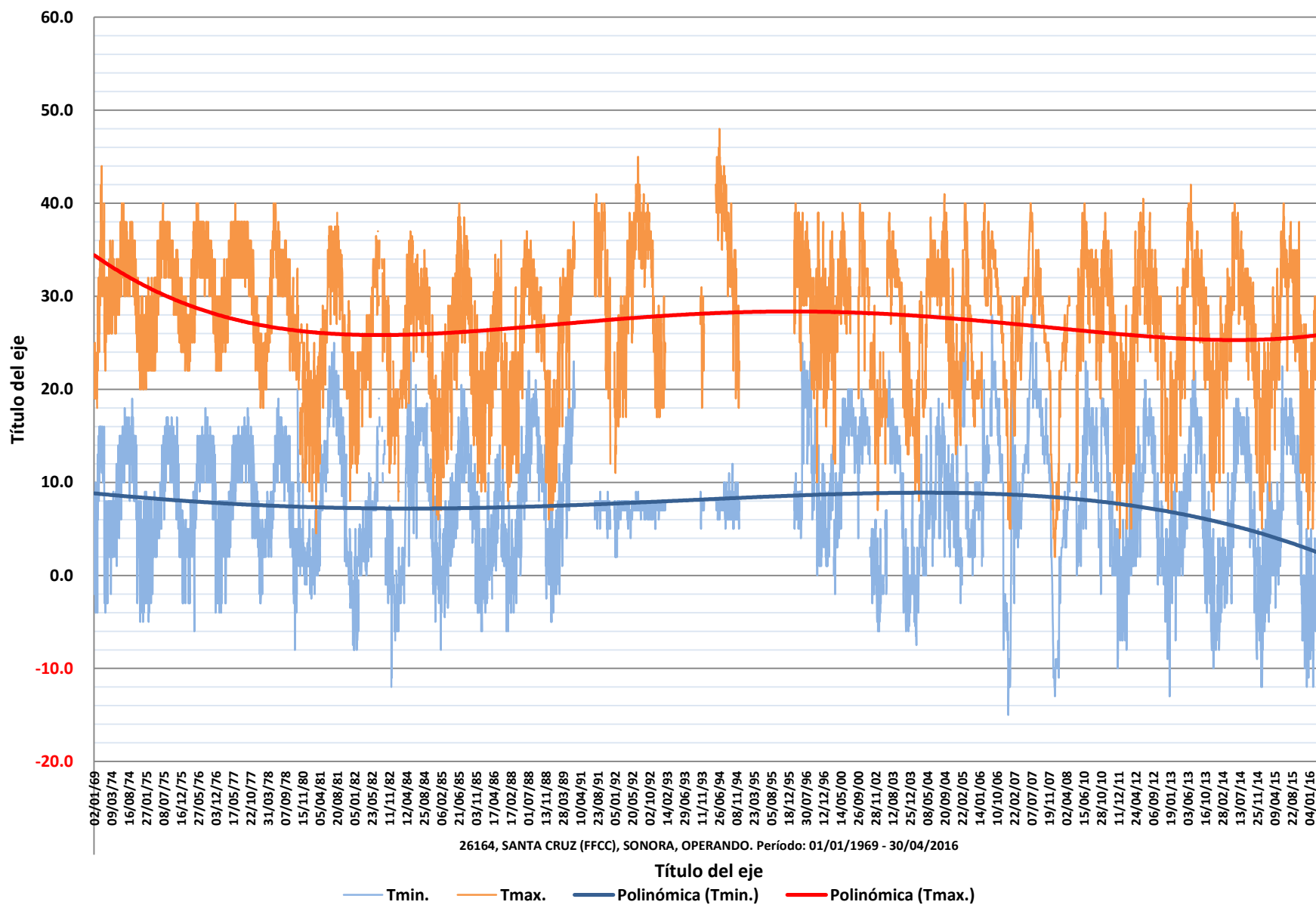
SEMARNAT
SECRETARÍA DE MEDIO AMBIENTE
Y RECURSOS NATURALES



CONAGUA
COMISIÓN NACIONAL DEL AGUA

ESTACIONES CLIMATOLÓGICAS

Registro Diario de Temperaturas Mínima y Máxima

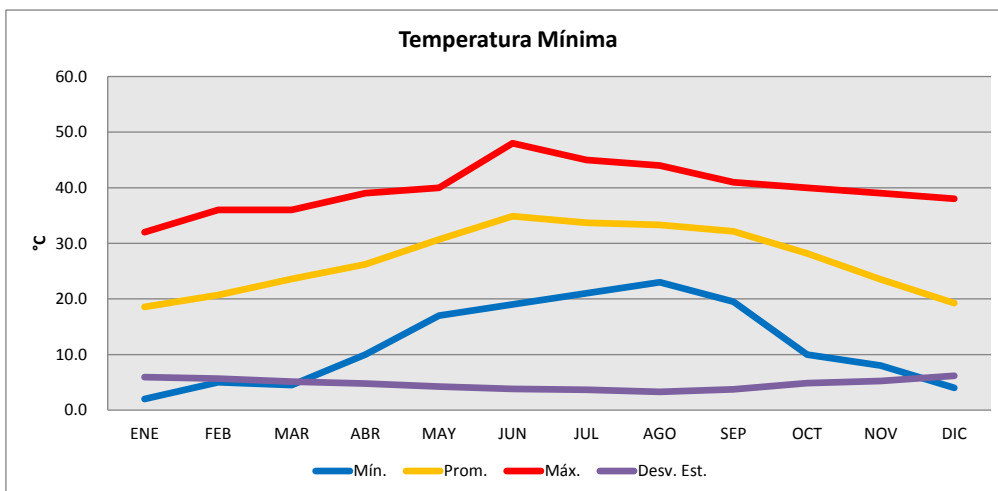
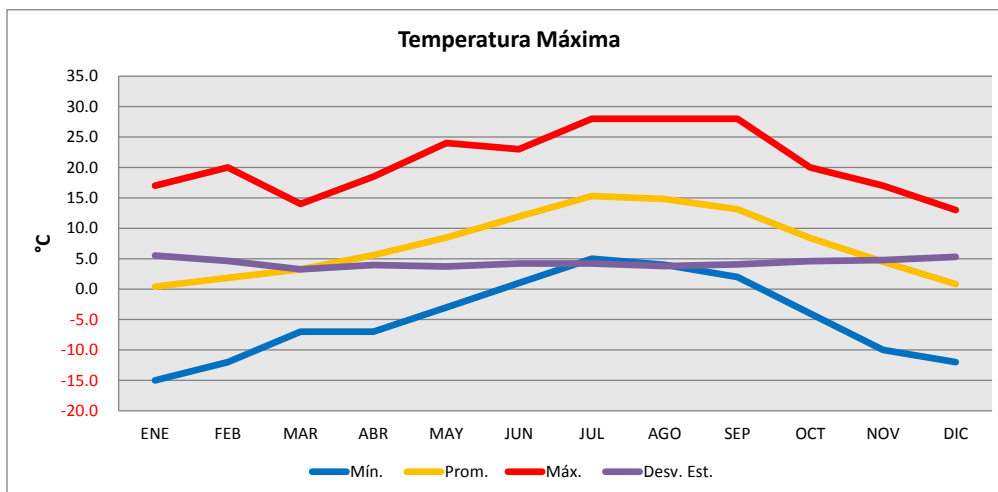


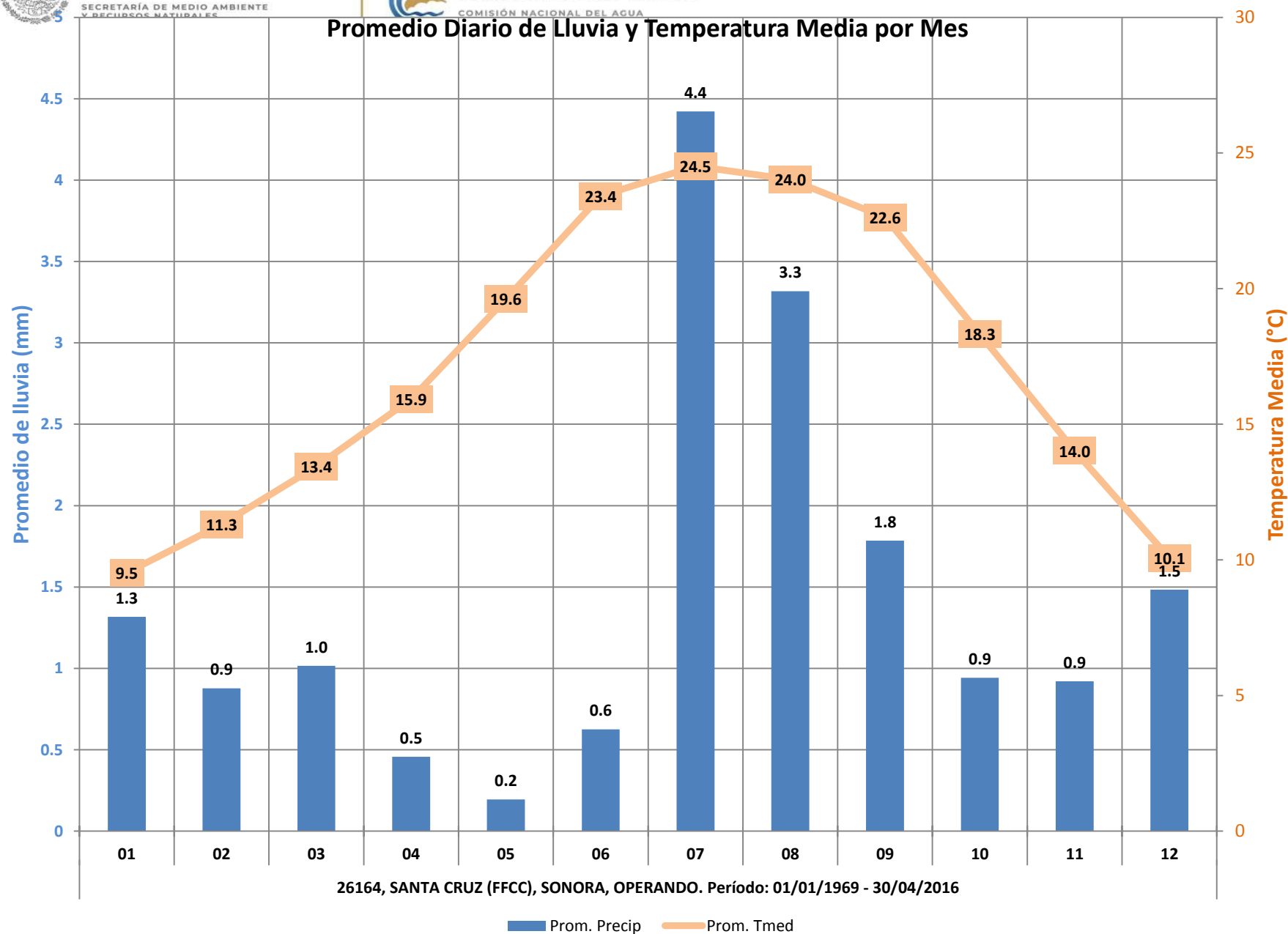
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NOMBRE	SANTA CRUZ (FFCC)
ESTADO	SONORA

Estacion	26164
NOMBRE	SANTA CRUZ (FFCC)
ESTADO	SONORA

Temp Min (°C)				
Mes	Mín.	Prom.	Máx.	Desv. Est.
ENE	-15.0	0.4	17.0	5.5
FEB	-12.0	1.9	20.0	4.6
MAR	-7.0	3.2	14.0	3.3
ABR	-7.0	5.6	18.5	4.0
MAY	-3.0	8.5	24.0	3.7
JUN	1.0	11.9	23.0	4.2
JUL	5.0	15.3	28.0	4.2
AGO	4.0	14.8	28.0	3.8
SEP	2.0	13.1	28.0	4.1
OCT	-4.0	8.4	20.0	4.6
NOV	-10.0	4.5	17.0	4.8
DIC	-12.0	0.8	13.0	5.3
Total general	-15.0	7.5	28.0	6.8

Temp Max (°C)				
Mes	Mín.	Prom.	Máx.	Desv. Est.
ENE	2.0	18.6	32.0	5.9
FEB	5.0	20.7	36.0	5.7
MAR	4.5	23.6	36.0	5.1
ABR	10.0	26.2	39.0	4.8
MAY	17.0	30.7	40.0	4.2
JUN	19.0	34.9	48.0	3.8
JUL	21.0	33.7	45.0	3.7
AGO	23.0	33.3	44.0	3.3
SEP	19.5	32.2	41.0	3.7
OCT	10.0	28.2	40.0	4.9
NOV	8.0	23.5	39.0	5.2
DIC	4.0	19.2	38.0	6.2
Total general	2.0	27.2	48.0	7.4





Estacion	26164
NOMBRE	SANTA CRUZ (FFCC)
ESTADO	SONORA

Década	Año	Estación		Promedios											
		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	12.3	29.1	6.2	13.0	36.5				0.1	3.3	21.2		
	Total 1960	0.0	12.3	29.1	6.2	13.0	36.5				0.1	3.3	21.2		
1970	1974	0.0	8.8	31.9	4.2	14.1	34.5	1.4	6.2	28.3	1.4	3.2	28.4		
	1975	0.7	5.4	30.3	4.6	13.3	35.2	0.3	9.3	30.3	1.1	3.1	25.9		
	1976	0.2	8.8	33.4	4.7	13.4	34.5	1.8	8.1	29.0	1.6	2.6	26.0		
	1977	0.3	9.1	33.4	3.3	13.6	34.9	1.6	10.9	31.1	1.5	4.5	27.2		
	1978	0.0	7.8	31.6	2.9	13.7	33.3	2.6	6.6	27.6	3.3	3.1	22.9		
	1980							0.2	4.0	20.9	0.0	1.2	20.1		
Total 1970		0.2	8.0	32.1	3.9	13.6	34.5	1.3	7.6	27.9	1.7	3.3	26.0		
1980	1981	0.2	10.4	25.2	4.2	18.3	33.4	1.0	4.6	23.2	1.6	0.6	17.7		
	1982	0.2	5.3	26.5	4.9	13.0	32.4	2.3	1.7	23.3	1.1	0.4	19.5		
	1983	4.5	-2.5	20.5							3.1	-2.2	18.0		
	1984	0.4	10.6	28.4	4.1	15.5	29.8	2.8	6.2	20.5	4.3	1.9	17.8		
	1985	0.5	6.6	26.3	5.1	13.9	31.6	2.6	3.7	21.0	1.1	0.6	16.5		
	1986	1.1	6.2	26.2	21.0	10.0	36.3				1.6	0.9	19.3		
	1987							0.7	3.8	19.0	0.9	1.0	13.4		
	1988	0.9	7.3	26.7	2.5	16.5	31.1	1.2	7.7	22.3	0.2	0.1	17.3		
	1989	0.6	12.5	29.5	3.0	19.6	34.7				0.4	3.7	19.5		
Total 1980		0.6	8.5	27.0	4.1	15.8	31.6	1.8	4.8	21.7	1.3	0.7	18.1		
1990	1991	0.1			2.0	7.1	35.7	1.0	7.0	31.5	0.8				
	1992	1.1	7.1	32.2	3.9	7.4	37.7	0.8	7.3	28.3	1.4	6.5	22.5		
	1993	0.1			3.1			0.3	7.4	26.0	3.0	7.5	21.9		
	1994	0.6	7.3	40.7	2.0	7.4	39.7	2.1	7.5	29.1	0.7				
	1995	0.0			1.6			0.4			1.0				
	1996	0.1	7.3	34.4	2.1	17.3	31.7	0.2	8.7	26.5	0.0	6.6	26.2		
	1997	0.2	6.9	28.2											
	2000	0.3	8.5	29.6	3.0	16.1	30.6	1.3	13.4						
Total 1990		0.3	7.5	31.6	2.5	11.4	35.6	0.8	7.8	28.4	1.3	6.8	22.7		
2000	2002	0.0	12.8	32.2	0.2	15.3	32.9	3.4	1.1	20.5	1.2	-3.1	16.1		
	2003				1.9	16.3	33.4	0.5	4.8	25.2	0.6	0.2	18.5		
	2004	0.8	5.8	27.8	1.7	12.2	32.9	1.6	8.7	28.1	0.8	0.7	18.4		
	2005				2.6	20.8	32.8	0.0	5.4	24.5	1.3	4.9	19.6		
	2006	1.0	10.7	36.1	0.6	16.3	32.8	0.0	10.9	27.6	0.4	4.7	20.3		
	2007	0.8	10.3	28.7	7.5	20.9	33.2	2.1	11.2	22.6	0.4	0.9	17.3		
	2008	0.0	7.4	27.0							1.1	-3.3	15.6		
	2010	0.6	5.7	28.9	3.4	15.3	33.0	1.4	7.3	27.1					
Total 2000		0.6	8.0	28.9	2.7	16.3	33.0	1.2	7.3	25.0	0.8	0.9	18.0		
2010	2011				1.5	16.2	33.3	0.8	2.8	22.7	0.0	-3.2	16.4		
	2012	0.0	6.5	30.0	3.0	15.4	32.5	0.6	3.4	24.6	0.3	-0.2	17.3		
	2013	0.0	6.0	29.6	1.3	15.7	33.2	0.5	1.6	23.2	0.2	1.3	16.7		
	2014	0.0	5.6	30.6	5.8	15.0	32.0	0.8	2.4	23.4	0.6	-2.7	20.6		
	2015	0.5	5.0	27.6	2.7	15.7	32.7	0.7	2.1	24.4	1.2	-0.7	18.1		
	2016	0.3	0.7	25.4							0.7	-2.7	20.8		
Total 2010		0.1	5.3	29.0	3.0	15.5	32.7	0.7	2.4	23.7	0.6	-1.0	18.6		
Total general		0.4	7.6	29.4	3.2	14.6	33.4	1.1	5.9	25.2	1.1	1.3	20.1		



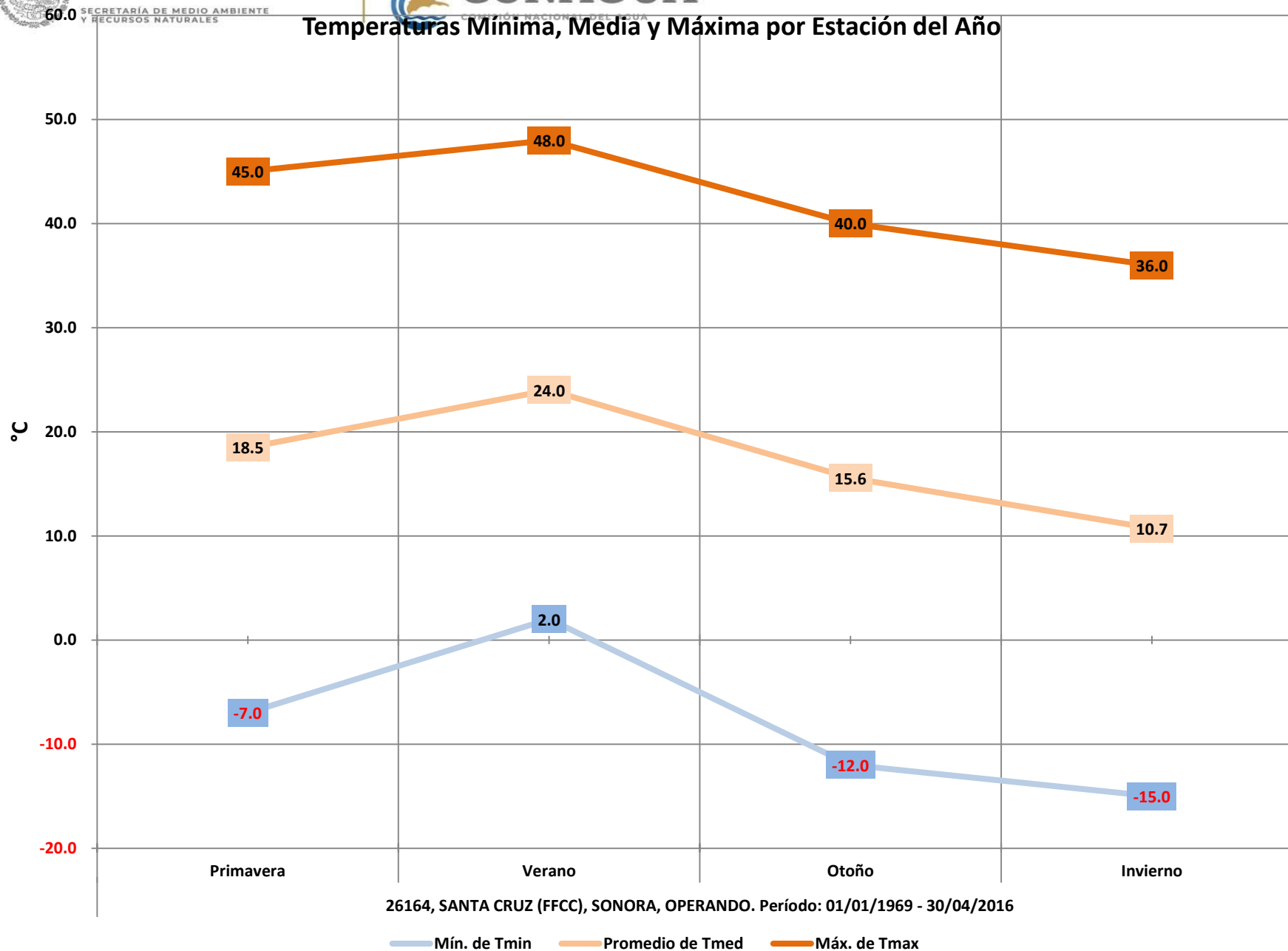
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