



Datos de la Estación

ESTACIÓN:	16146
NOMBRE:	ZIRAHUEN
ESTADO:	MICHOACAN DE OCAMPO
MUNICIPIO:	SALVADOR ESCALANTE
LATITUD (°):	19.4542
LONGITUD (°):	-101.7319
ALTURA (msn):	2,090
SITUACIÓN:	OPERANDO
DATOS DESDE:	1 de octubre de 1947
HASTA:	31 de diciembre de 2017

Inventario de Registros por Década Año

Estacion		Nºde Casos				
Decada	Año	Lluvia	Temp min	Temp max	Temp amb	Evaporación
1940	1947	91				
	1948	362				
	1949	364				
	1950	364				
Total 1940		1,181				
1950	1951	364				
	1952	303				
	1953	336				
	1954	363				
	1955	365				
	1956	364				
	1957	365				
	1958	364				
	1959	365				
	1960	365				
Total 1950		3,554				
1960	1961	365				
	1962	360				
	1963	365				
	1964	364				
	1965	365				
	1966	365				
	1967	334				
	1968	333				
	1969	365				
	1970	365				
Total 1960		3,581				
1970	1971	365	60	60	60	
	1972	366	366	366	366	
	1973	365	365	365	365	
	1974	365	365	365	365	244
	1975	365	365	365	365	362
	1976	366	366	366	366	365
	1977	364	364	364	364	364
	1978	363	364	364	364	363
	1979	365	365	365	365	365
	1980	366	366	366	366	366
Total 1970		3,650	3,346	3,346	3,346	2,429
1980	1981	365	365	365	365	365
	1982	365	365	365	365	364
	1983	365	365	365	365	360
	1984	366	366	366	366	360
	1985	365	365	365	365	365
	1986	302	304	304	303	301
	1987	365	365	365	365	365
	1988	274	274	274	274	274
Total 1980		2,767	2,769	2,769	2,768	2,754
1990	1991	365	365	365	365	365
	1992	366	366	366	366	366
	1993	365	365	365	365	365
	1994	303	303	303	303	303
	1995	365	365	365	365	365
	1998	92	92	91	92	92



Datos de la Estación

Inventario de Registros por Década Año

ESTACIÓN:	16146
NOMBRE:	ZIRAHUEN
ESTADO:	MICHOACAN DE OCAMPO
MUNICIPIO:	SALVADOR ESCALANTE

		Nºde Casos				
Decada	Año	Lluvia	Temp min	Temp max	Temp amb	Evaporación
1990	1999	334	334	332	334	334
	2000	366	366	366	366	366
Total 1990		2,556	2,556	2,553	2,556	2,556
2000	2001	365	365	365	365	365
	2002	365	365	365	365	241
	2003	365	365	365	365	365
	2004	366	366	366	366	213
	2005	365	365	365	365	
	2006	212	212	212	212	153
	2009	365	365	365	365	365
Total 2000		2,403	2,403	2,403	2,403	1,702
2010	2011	364	364	364	364	363
	2012	272	272	272	272	270
	2013	364	365	364	365	212
	2014	365	365	365	365	151
	2015	365	365	365	365	139
	2016	366	366	366	366	219
	2017	365	365	365	365	305
Total 2010		2,461	2,462	2,461	2,462	1,659
Total general		22,153	13,536	13,532	13,535	11,100

Estacion 16146
 NOMBRE ZIRAHUEN
 ESTADO MICHOCAN DE OCAMPO

Década	Año	Lluvia (mm)				
		Mín.	Prom.	Máx.	Desv. Est.	
1940	1947	0.0	5.2	48.5	12.3	
	1948	0.0	5.3	55.8	11.3	
	1949	0.0	4.2	56.5	10.7	
	1950	0.0	6.1	66.8	13.0	
Total 1940		0.0	5.2	66.8	11.7	
1950	1951	0.0	3.5	48.8	8.0	
	1952	0.0	5.1	63.8	12.5	
	1953	0.0	2.7	45.3	6.7	
	1954	0.0	4.1	60.0	8.7	
	1955	0.0	3.3	68.8	8.4	
	1956	0.0	3.6	45.3	7.3	
	1957	0.0	2.6	48.5	7.6	
	1958	0.0	5.4	65.0	10.7	
	1959	0.0	2.5	45.0	5.6	
	1960	0.0	1.5	22.3	4.3	
Total 1950		0.0	3.4	68.8	8.3	
1960	1961	0.0	1.5	25.5	3.6	
	1962	0.0	2.2	53.5	5.8	
	1963	0.0	2.1	25.3	4.2	
	1964	0.0	2.0	25.3	4.5	
	1965	0.0	2.0	18.5	4.0	
	1966	0.0	2.6	36.5	6.0	
	1967	0.0	3.4	58.8	7.5	
	1968	0.0	3.3	54.8	7.1	
	1969	0.0	2.9	38.5	6.8	
	1970	0.0	1.9	23.2	4.1	
Total 1960		0.0	2.4	58.8	5.5	
1970	1971	0.0	2.0	18.5	4.4	
	1972	0.0	2.7	43.0	6.4	
	1973	0.0	3.6	115.8	9.2	
	1974	0.0	2.6	45.0	6.7	
	1975	0.0	2.6	50.0	6.7	
	1976	0.0	3.0	80.0	8.0	
	1977	0.0	2.3	38.5	5.7	
	1978	0.0	3.7	61.2	8.0	
	1979	0.0	2.6	36.0	6.3	
	1980	0.0	3.3	65.0	8.2	
Total 1970		0.0	2.8	115.8	7.1	
1980	1981	0.0	4.1	57.5	9.2	
	1982	0.0	3.0	46.5	6.9	
	1983	0.0	3.1	70.5	7.9	
	1984	0.0	3.5	50.1	7.8	
	1985	0.0	2.9	35.0	6.1	
	1986	0.0	3.4	60.0	7.4	
	1987	0.0	2.4	53.0	6.8	
	1988	0.0	3.5	35.5	7.1	
Total 1980		0.0	3.2	70.5	7.5	
1990	1991	0.0	3.0	36.0	6.2	
	1992	0.0	5.3	104.5	10.6	
	1993	0.0	3.2	55.0	7.6	
	1994	0.0	3.3	42.5	6.9	
	1995	0.0	4.0	56.0	8.3	
	1998	0.0	2.1	28.0	5.4	
	1999	0.0	2.8	44.0	6.2	
	2000	0.0	3.8	45.0	7.8	
Total 1990		0.0	3.6	104.5	7.8	
2000	2001	0.0	2.8	44.0	6.4	
	2002	0.0	2.5	57.0	5.6	
	2003	0.0	2.9	24.0	5.5	
	2004	0.0	3.7	140.0	9.2	
	2005	0.0	2.0	60.1	5.2	
	2006	0.0	2.1	52.6	6.3	
	2009	0.0	2.6	33.2	4.9	
Total 2000		0.0	2.7	140.0	6.3	
2010	2011	0.0	2.2	36.0	5.2	
	2012	0.0	2.5	48.0	6.0	
	2013	0.0	2.7	43.0	6.0	
	2014	0.0	2.9	36.0	6.1	
	2015	0.0	2.7	94.0	7.2	
	2016	0.0	3.0	46.0	6.3	
	2017	0.0	2.7	40.0	6.2	
Total 2010		0.0	2.7	94.0	6.2	

Década	Año	Evap (mm)				
		Mín.	Prom.	Máx.	Desv. Est.	
1940	1947					
	1948					
	1949					
	1950					
Total 1940						
1950	1951					
	1952					
	1953					
	1954					
	1955					
	1956					
	1957					
	1958					
	1959					
	1960					
Total 1950						
1960	1961					
	1962					
	1963					
	1964					
	1965					
	1966					
	1967					
	1968					
	1969					
	1970					
Total 1960						
1970	1971					
	1972					
	1973					
	1974	0.1	3.1	9.9	2.0	
	1975	0.1	3.2	9.3	1.7	
	1976	0.1	3.5	9.1	1.7	
	1977	0.6	3.7	9.9	1.2	
	1978	0.1	4.2	15.7	2.1	
	1979	0.5	4.2	14.0	1.5	
	1980	0.4	3.2	11.9	1.4	
Total 1970		0.1	3.6	15.7	1.7	
1980	1981	0.1	2.8	9.8	1.3	
	1982	0.6	3.0	10.7	1.2	
	1983	0.2	2.6	9.6	1.3	
	1984	0.2	2.7	11.8	1.3	
	1985	0.7	2.7	6.3	1.2	
	1986	0.7	2.5	6.1	1.0	
	1987	0.5	2.8	8.2	1.2	
	1988	0.6	2.8	4.9	1.2	
Total 1980		0.1	2.8	11.8	1.2	
1990	1991	1.0	3.2	8.1	1.9	
	1992	0.6	3.0	9.0	1.4	
	1993	0.6	3.6	8.5	1.6	
	1994	1.1	3.9	9.1	1.4	
	1995	1.4	4.0	8.3	1.3	
	1998	1.8	3.7	6.3	0.8	
	1999	1.4	4.0	8.3	1.3	
	2000	1.4	4.0	8.4	1.3	
Total 1990		0.6	3.7	9.1	1.5	
2000	2001	0.9	4.4	8.5	1.5	
	2002	0.5	3.4	8.2	1.9	
	2003	1.0	3.6	9.5	1.3	
	2004	1.0	3.5	12.9	1.5	
	2005					
	2006	1.0	4.4	16.3	2.1	
	2009	1.0	3.2	5.0	1.0	
Total 2000		0.5	3.7	16.3	1.6	
2010	2011	0.7	1.8	7.0	0.5	
	2012	0.1	3.7	9.9	1.4	
	2013	0.4	4.5	9.8	2.2	
	2014	0.8	3.2	9.0	1.4	
	2015	0.4	2.5	7.2	1.3	
	2016	0.3	3.0	8.9	1.5	
	2017	0.1	4.4	11.7	2.4	
Total 2010		0.1	3.3	11.7	1.9	



SEMARNAT
SECRETARÍA DE MEDIO AMBIENTE
Y RECURSOS NATURALES



CONAGUA
COMISIÓN NACIONAL DEL AGUA

ESTACIONES CLIMATOLÓGICAS

Estacion 16146
NOMBRE ZIRAHUEN
ESTADO MICHOCAN DE OCAMPO

Década	Año	Lluvia (mm)			
		Mín.	Prom.	Máx.	Desv. Est.
Total general		0.0	3.1	140.0	7.4

Estacion 16146
NOMBRE ZIRAHUEN
ESTADO MICHOCAN DE OCAMPO

Década	Año	Evap (mm)			
		Mín.	Prom.	Máx.	Desv. Est.
Total general		0.1	3.4	16.3	1.6



SEMARNAT
SECRETARÍA DE MEDIO AMBIENTE
Y RECURSOS NATURALES



CONAGUA
COMISIÓN NACIONAL DEL AGUA

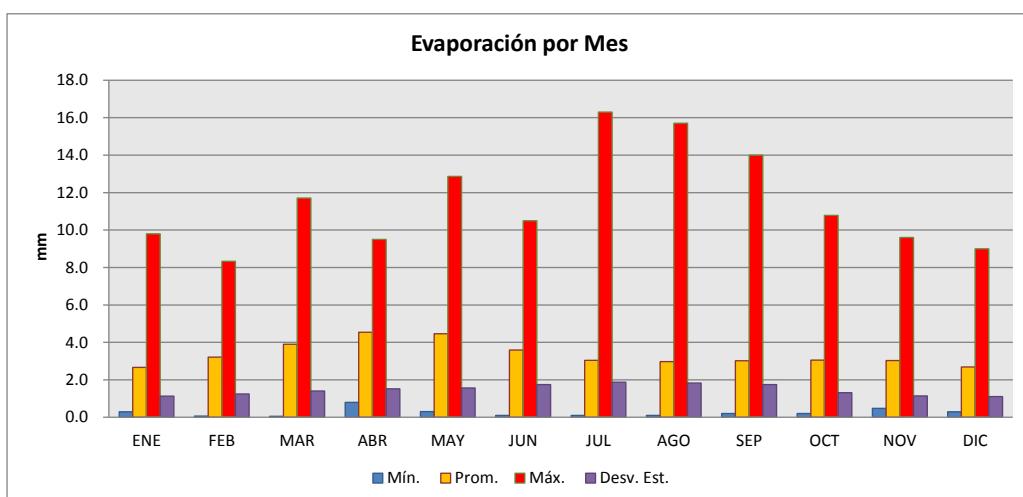
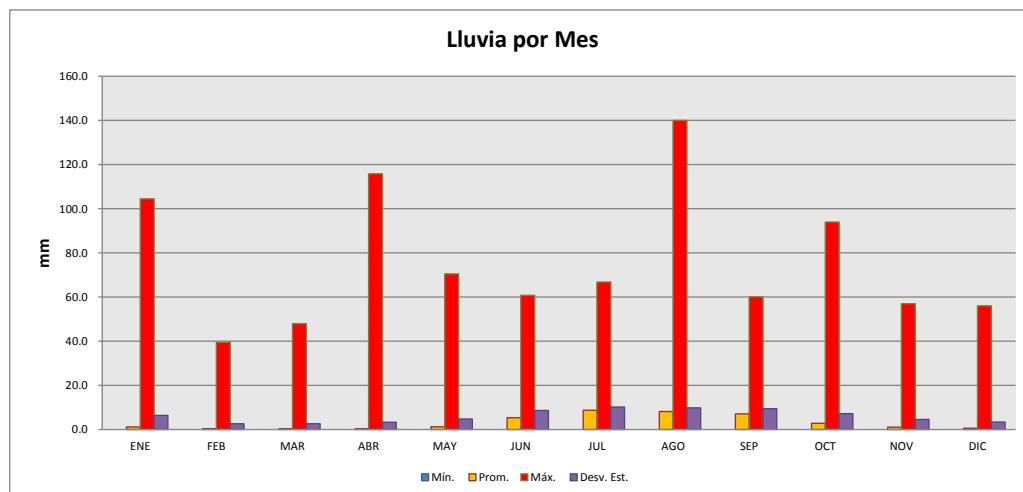
ESTACIONES CLIMATOLÓGICAS

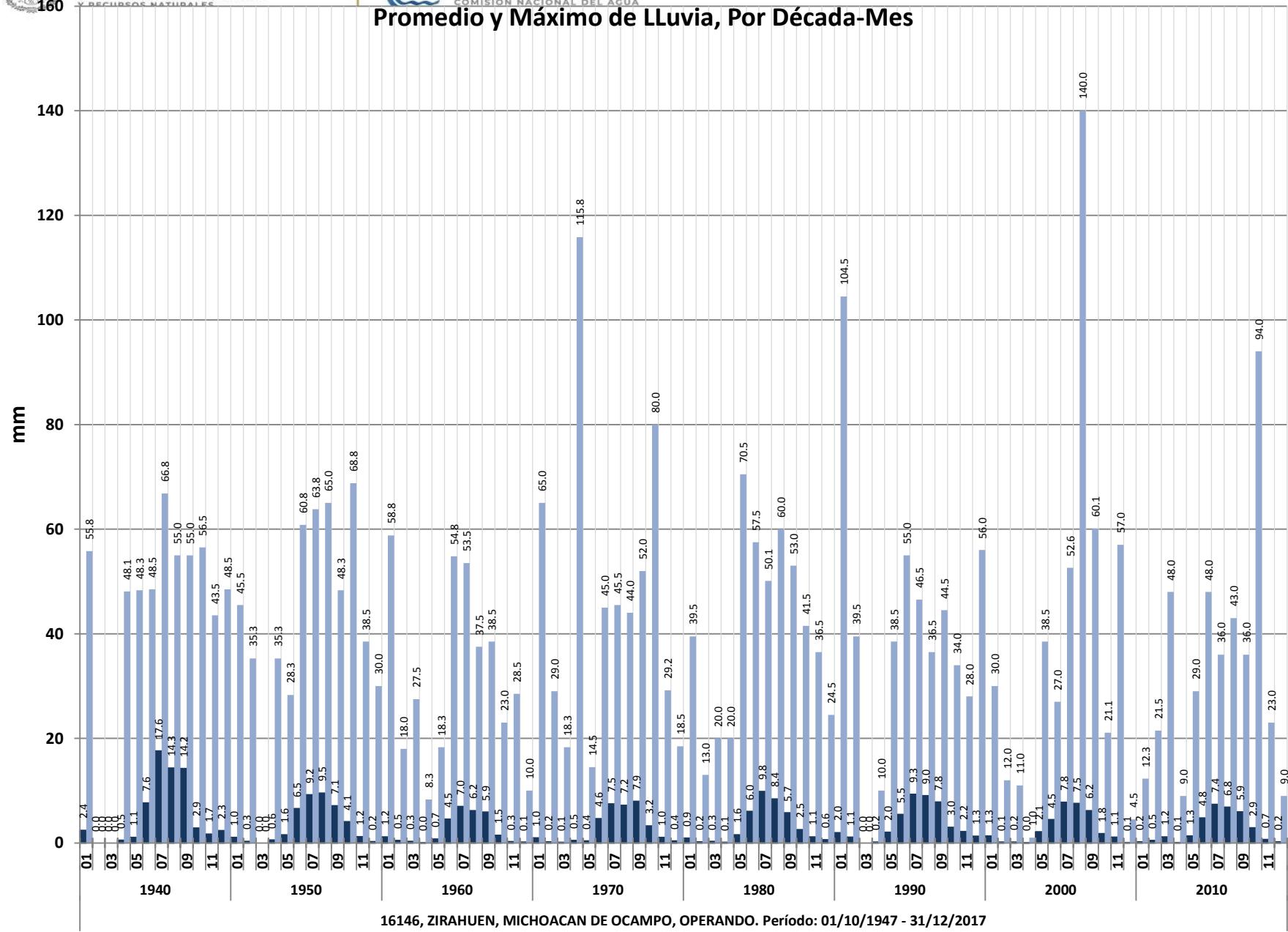
Estación 16146
NOMBRE ZIRAHUEN
ESTADO MICHOACAN DE OCAMPO

Mes	Lluvia (mm)			
	Mín.	Prom.	Máx.	Desv. Est.
ENE	0.0	1.1	104.5	6.4
FEB	0.0	0.4	39.5	2.6
MAR	0.0	0.3	48.0	2.6
ABR	0.0	0.2	115.8	3.3
MAY	0.0	1.3	70.5	4.7
JUN	0.0	5.3	60.8	8.6
JUL	0.0	8.7	66.8	10.1
AGO	0.0	8.1	140.0	9.8
SEP	0.0	7.1	60.1	9.4
OCT	0.0	2.8	94.0	7.2
NOV	0.0	1.1	57.0	4.5
DIC	0.0	0.6	56.0	3.4
Total general	0.0	3.1	140.0	7.4

Estación 16146
NOMBRE ZIRAHUEN
ESTADO MICHOACAN DE OCAMPO

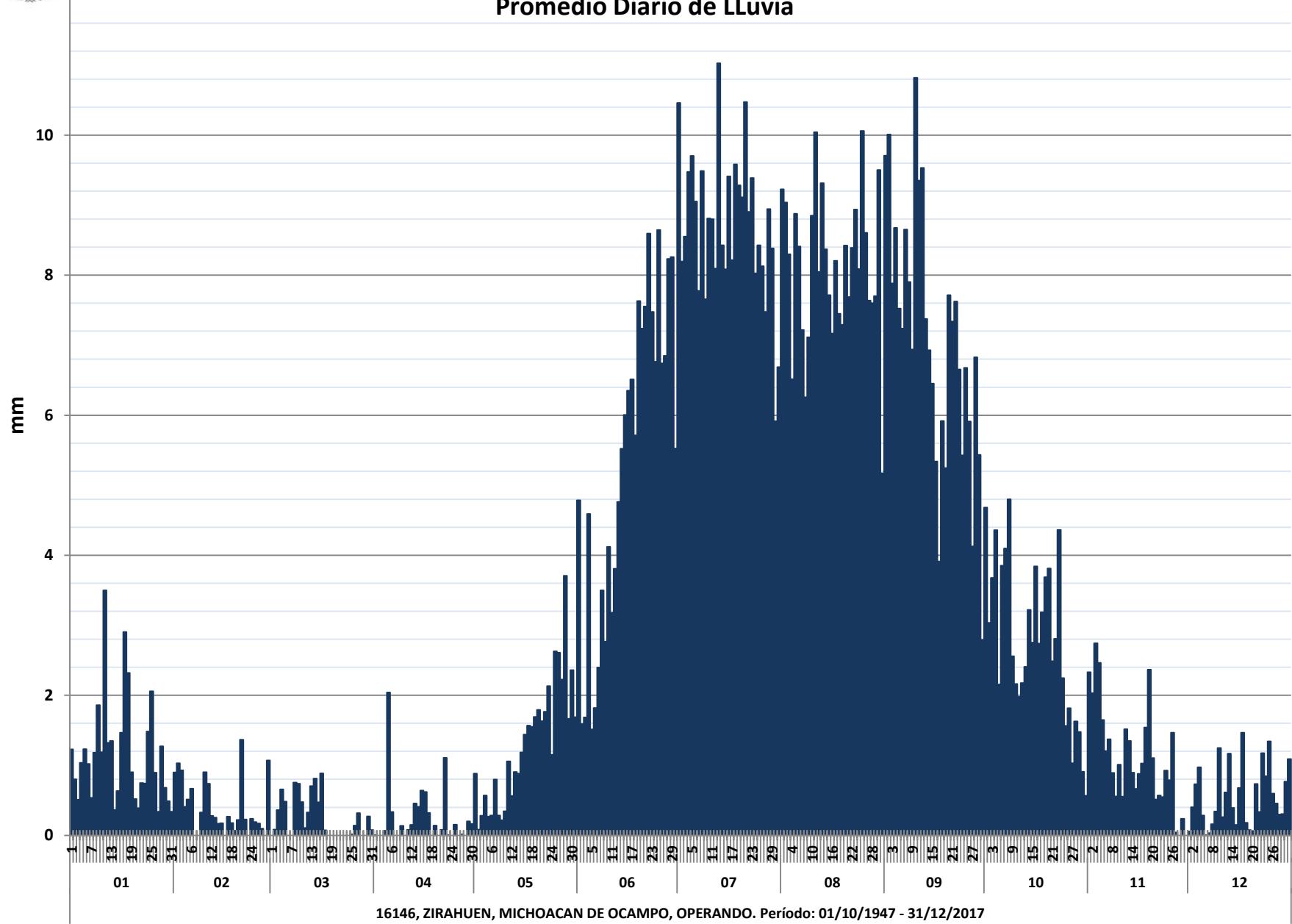
Mes	Evap (mm)			
	Mín.	Prom.	Máx.	Desv. Est.
ENE	0.3	2.7	9.8	1.1
FEB	0.1	3.2	8.3	1.2
MAR	0.1	3.9	11.7	1.4
ABR	0.8	4.5	9.5	1.5
MAY	0.3	4.5	12.9	1.6
JUN	0.1	3.6	10.5	1.7
JUL	0.1	3.0	16.3	1.9
AGO	0.1	3.0	15.7	1.8
SEP	0.2	3.0	14.0	1.7
OCT	0.2	3.1	10.8	1.3
NOV	0.5	3.0	9.6	1.1
DIC	0.3	2.7	9.0	1.1
Total general	0.1	3.4	16.3	1.6

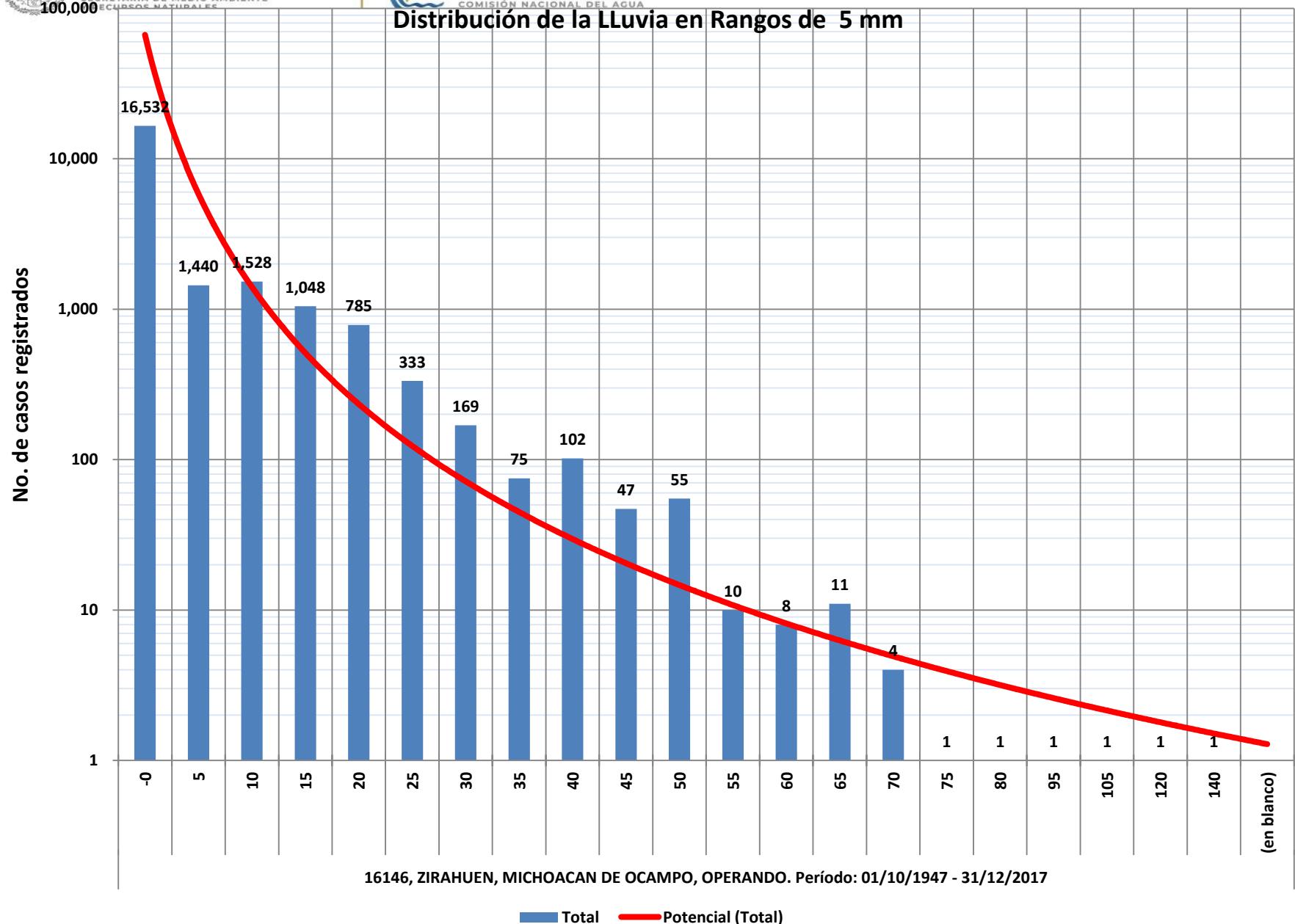




16146, ZIRAHUEN, MICHOACAN DE OCAMPO, OPERANDO. Período: 01/10/1947 - 31/12/2017

Promedio Diario de Lluvia





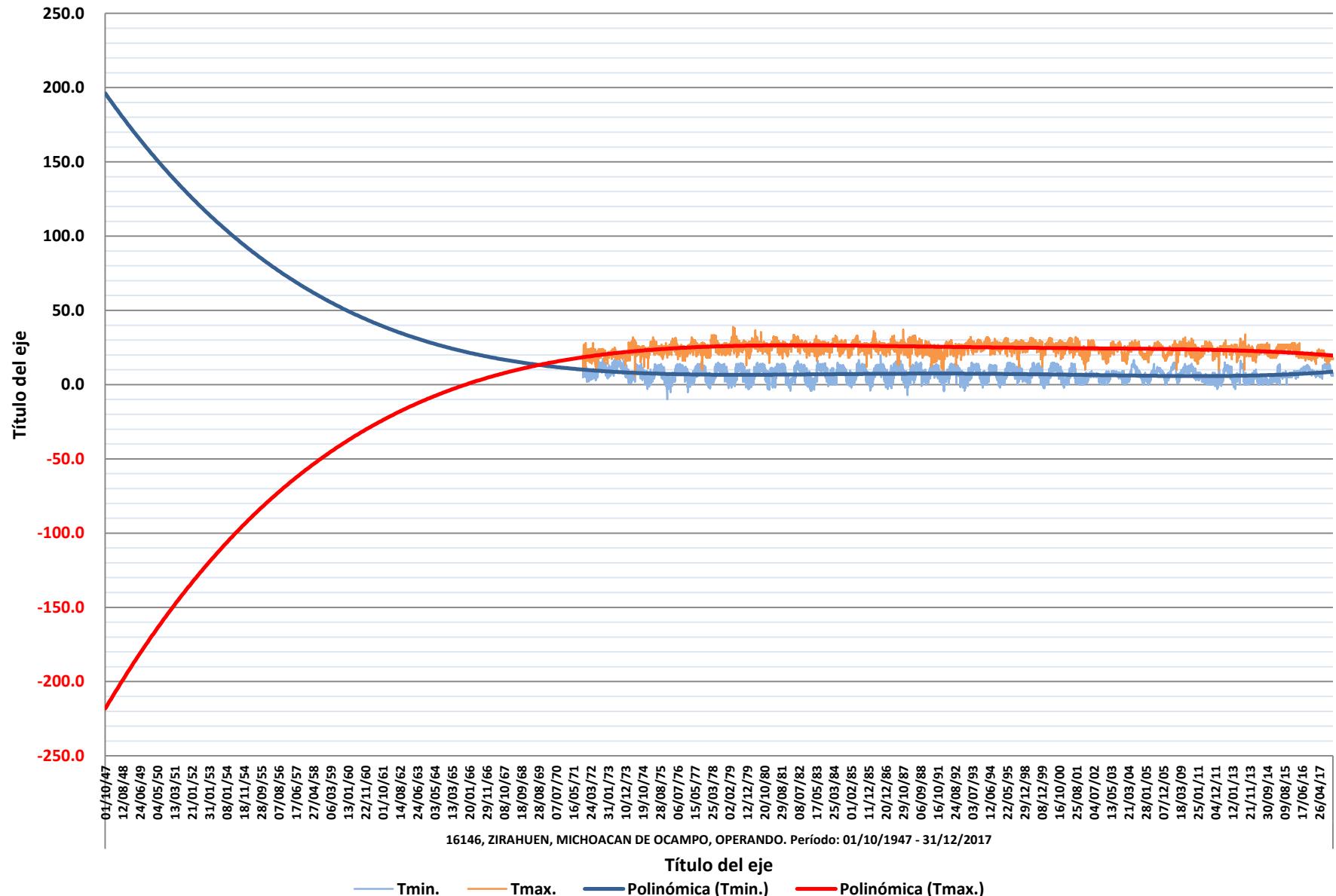
Estacion 16146
 NOMBRE ZIRAHUEN
 ESTADO MICHOACAN DE OCAMPO

Década	Año	Temp Min (°C)				
		Mín.	Prom.	Máx.	Desv. Est.	
1940	1947					
	1948					
	1949					
	1950					
Total 1940						
1950	1951					
	1952					
	1953					
	1954					
	1955					
	1956					
	1957					
	1958					
	1959					
	1960					
Total 1950						
1960	1961					
	1962					
	1963					
	1964					
	1965					
	1966					
	1967					
	1968					
	1969					
	1970					
Total 1960						
1970	1971	5.0	9.2	15.0	2.3	
	1972	2.0	8.8	17.5	3.7	
	1973	4.0	11.2	17.0	3.1	
	1974	0.0	7.1	14.0	3.4	
	1975	-3.0	6.7	14.0	4.0	
	1976	-10.0	6.8	14.0	4.4	
	1977	-5.0	6.8	14.0	4.0	
	1978	-2.5	7.3	15.0	4.0	
	1979	-2.5	6.1	14.5	4.3	
	1980	-3.0	6.8	15.0	4.3	
Total 1970		-10.0	7.6	17.5	4.2	
1980	1981	-3.5	7.5	14.0	4.4	
	1982	-4.0	6.7	16.0	4.7	
	1983	-4.0	6.7	16.0	4.9	
	1984	0.0	6.7	15.0	4.2	
	1985	-2.0	7.0	16.5	4.1	
	1986	-4.0	7.4	20.0	4.6	
	1987	-3.0	7.1	16.0	4.6	
	1988	-7.0	7.8	15.0	4.9	
Total 1980		-7.0	7.1	20.0	4.5	
1990	1991	0.0	7.1	14.0	3.3	
	1992	-4.5	7.6	14.0	3.4	
	1993	-4.0	7.2	15.0	4.2	
	1994	-2.0	7.0	13.5	3.7	
	1995	-2.0	7.6	15.0	4.1	
	1998	2.0	6.8	13.5	2.6	
	1999	0.0	7.4	15.0	3.7	
	2000	-2.5	7.3	15.0	4.4	
Total 1990		-4.5	7.3	15.0	3.8	
2000	2001	-2.0	4.9	14.5	3.9	
	2002	0.0	4.8	9.0	2.0	
	2003	0.0	6.4	9.0	2.0	
	2004	0.0	6.9	16.5	4.1	
	2005	0.0	7.0	14.0	3.0	
	2006	0.0	8.2	15.0	4.3	
	2009	1.0	8.4	14.0	2.9	
Total 2000		-2.0	6.6	16.5	3.5	
2010	2011	-1.0	4.0	8.0	2.3	
	2012	-3.0	7.3	15.0	3.9	
	2013	-3.0	4.6	16.0	4.2	
	2014	0.0	3.3	10.0	2.2	
	2015	0.0	5.8	14.0	2.4	
	2016	4.0	8.8	13.0	2.0	
	2017	4.0	8.9	14.0	2.7	
Total 2010		-3.0	6.1	16.0	3.6	
Total general		-10.0	7.0	20.0	4.0	

Década	Año	Temp Max (°C)				
		Mín.	Prom.	Máx.	Desv. Est.	
1940	1947					
	1948					
	1949					
	1950					
Total 1940						
1950	1951					
	1952					
	1953					
	1954					
	1955					
	1956					
	1957					
	1958					
	1959					
	1960					
Total 1950						
1960	1961					
	1962					
	1963					
	1964					
	1965					
	1966					
	1967					
	1968					
	1969					
	1970					
Total 1960						
1970	1971	9.0	19.0	28.0	2.9	
	1972	10.0	20.1	28.0	2.5	
	1973	13.0	20.0	25.0	1.7	
	1974	6.0	23.5	32.0	3.5	
	1975	11.0	24.1	32.0	2.5	
	1976	16.0	24.2	31.5	2.8	
	1977	10.0	24.2	32.0	3.3	
	1978	18.0	25.6	33.5	3.5	
	1979	13.0	26.8	39.0	2.9	
	1980	17.5	26.5	36.5	2.7	
Total 1970		6.0	23.8	39.0	3.7	
1980	1981	14.5	26.3	32.5	2.9	
	1982	18.0	27.4	33.5	2.3	
	1983	16.0	26.0	33.0	2.4	
	1984	18.0	26.4	33.0	2.8	
	1985	12.0	26.2	33.0	2.5	
	1986	18.0	26.4	36.0	2.8	
	1987	13.0	26.1	37.0	2.7	
	1988	12.0	26.9	33.0	3.4	
Total 1980		12.0	26.4	37.0	2.8	
1990	1991	11.0	22.3	29.5	3.2	
	1992	10.0	23.6	30.0	3.8	
	1993	20.0	26.1	32.0	2.2	
	1994	20.0	26.7	32.0	2.1	
	1995	12.0	26.0	31.5	2.4	
	1998	21.0	26.6	30.0	1.9	
	1999	12.0	26.3	31.5	2.5	
	2000	17.0	25.7	31.5	2.6	
Total 1990		10.0	25.3	32.0	3.1	
2000	2001	17.0	25.3	32.0	3.3	
	2002	10.0	23.0	30.0	3.5	
	2003	14.0	23.0	29.0	3.8	
	2004	14.0	23.6	30.0	3.9	
	2005	15.0	23.4	29.0	3.4	
	2006	16.0	22.1	29.5	3.2	
	2009	10.0	24.7	32.0	3.1	
Total 2000		10.0	23.7	32.0	3.6	
2010	2011	14.0	22.7	29.0	3.5	
	2012	10.0	23.8	30.0	2.6	
	2013	10.0	23.1	34.0	2.7	
	2014	15.0	22.6	28.0	3.0	
	2015	18.0	24.1	28.0	2.5	
	2016	16.0	20.7	28.0	2.9	
	2017	14.0	18.8	24.0	2.0	
Total 2010		10.0	22.2	34.0	3.3	
Total general		6.0	24.3	39.0	3.6	



Registro Diario de Temperaturas Mínima y Máxima

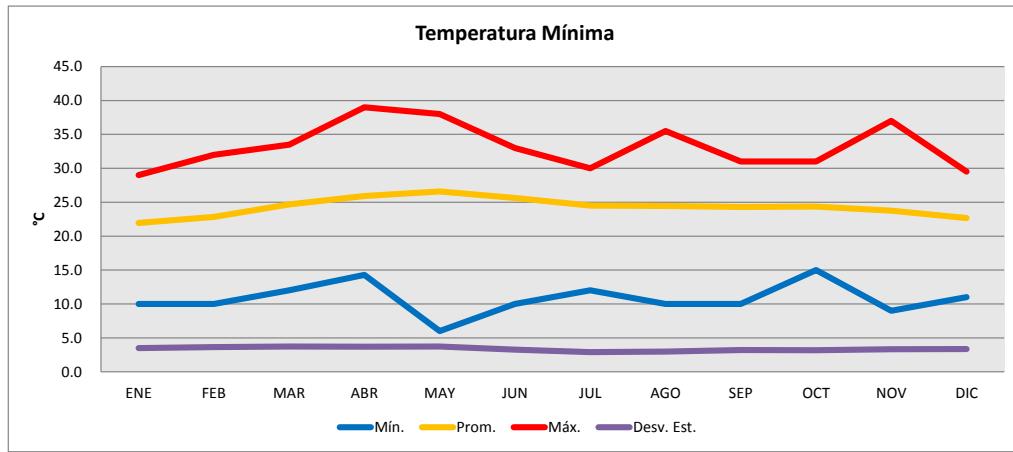
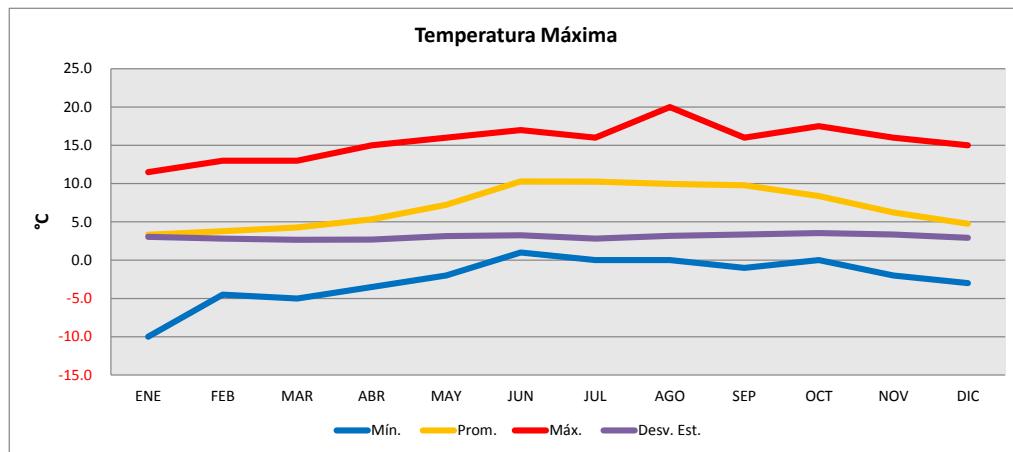


Estacion 16146
NOMBRE ZIRAHUEN
ESTADO MICHOACAN DE OCAMPO

Mes	Temp Min (°C)			
	Mín.	Prom.	Máx.	Desv. Est.
ENE	-10.0	3.3	11.5	3.0
FEB	-4.5	3.8	13.0	2.8
MAR	-5.0	4.3	13.0	2.7
ABR	-3.5	5.3	15.0	2.7
MAY	-2.0	7.2	16.0	3.1
JUN	1.0	10.3	17.0	3.3
JUL	0.0	10.3	16.0	2.8
AGO	0.0	10.0	20.0	3.2
SEP	-1.0	9.8	16.0	3.4
OCT	0.0	8.4	17.5	3.5
NOV	-2.0	6.2	16.0	3.3
DIC	-3.0	4.8	15.0	2.9
Total general	-10.0	7.0	20.0	4.0

Estacion 16146
NOMBRE ZIRAHUEN
ESTADO MICHOACAN DE OCAMPO

Mes	Temp Max (°C)			
	Mín.	Prom.	Máx.	Desv. Est.
ENE	10.0	21.9	29.0	3.5
FEB	10.0	22.8	32.0	3.6
MAR	12.0	24.7	33.5	3.7
ABR	14.3	25.9	39.0	3.7
MAY	6.0	26.6	38.0	3.7
JUN	10.0	25.6	33.0	3.3
JUL	12.0	24.5	30.0	2.9
AGO	10.0	24.5	35.5	3.0
SEP	10.0	24.3	31.0	3.2
OCT	15.0	24.4	31.0	3.2
NOV	9.0	23.8	37.0	3.3
DIC	11.0	22.7	29.5	3.3
Total general	6.0	24.3	39.0	3.6

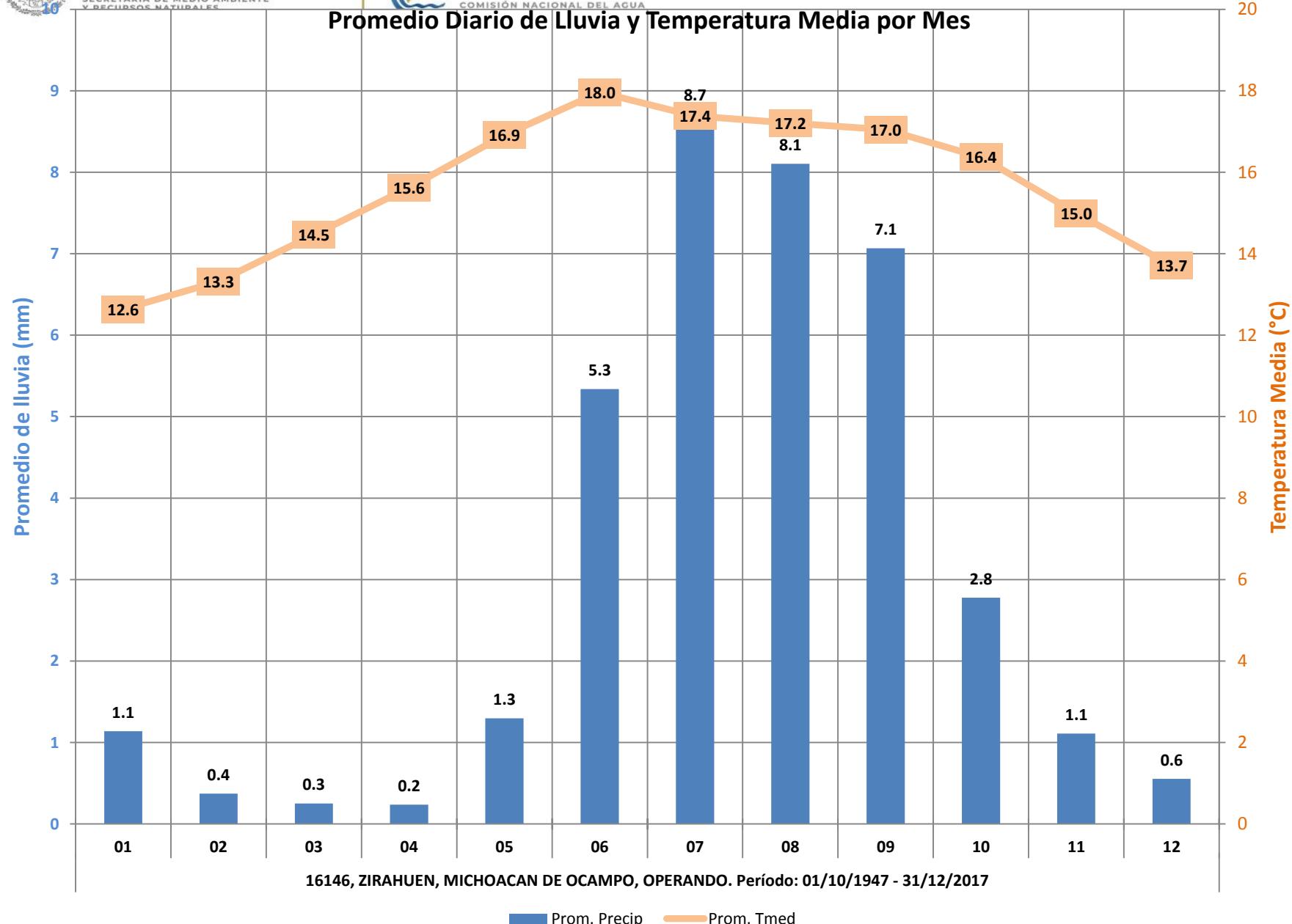




SEMARNAT
SECRETARÍA DE MEDIO AMBIENTE
Y RECURSOS NATURALES

CONAGUA
COMISIÓN NACIONAL DEL AGUA

ESTACIONES CLIMATOLÓGICAS



Estación 16146
 NOMBRE ZIRAHUEN
 ESTADO MICHOACAN DE OCAMPO

Década	Año	Estación Promedios				Verano				Otoño				Invierno			
		Lluvia (mm)	T min (°C)	T max (°C)	Lluvia (mm)	T min (°C)	T max (°C)	Lluvia (mm)	T min (°C)	Lluvia (mm)	T min (°C)	T max (°C)	Lluvia (mm)	T min (°C)	T max (°C)		
1940	1947									3.4				19.7			
	1948	2.5			13.9					2.1				2.4			
	1949	0.7			13.2					2.8				0.1			
	1950	3.1			18.6					2.4				0.0			
Total 1940		2.1		15.2					2.7				1.5				
1950	1951	2.4			10.0					1.5				0.0			
	1952	4.6			22.8					2.4				0.1			
	1953	0.5			6.8					2.4				0.0			
	1954	2.2			10.1					3.9				0.0			
	1955	0.6			8.7					3.9				0.0			
	1956	4.0			8.9					1.0				0.3			
	1957	0.1			7.6					2.8				0.0			
	1958	0.8			14.4					2.7				3.4			
	1959	2.6			4.8					2.0				0.5			
	1960	0.2			4.2					1.4				0.1			
Total 1950		1.8		9.1					2.4				0.5				
1960	1961	1.1			4.5					0.4				0.1			
	1962	0.4			8.1					0.4				0.0			
	1963	0.8			5.5					1.9				0.0			
	1964	1.1			4.9					1.2				0.7			
	1965	0.8			6.0					0.6				0.5			
	1966	1.9			7.4					0.4				0.7			
	1967	1.3			5.3					3.8				3.3			
	1968	1.7			8.4					1.4				1.0			
	1969	0.4			8.5					2.2				0.4			
	1970	0.6			5.5					1.3				0.1			
Total 1960		1.0		6.4					1.3				0.7				
1970	1971	0.7			4.6					2.5	9.5	18.8	0.2	8.0	19.9		
	1972	0.9	6.4	19.9	8.0	10.5	19.5	2.0	12.1	21.3	0.1	6.0	19.6				
	1973	2.5	11.8	21.7	8.7	13.7	19.4	3.0	11.1	19.3	0.0	8.2	19.5				
	1974	1.6	6.8	26.4	6.5	10.1	23.1	1.8	6.7	22.8	0.4	5.0	21.7				
	1975	1.1	7.2	26.3	8.6	10.9	23.5	0.3	5.8	23.8	0.4	2.6	22.7				
	1976	0.5	5.5	27.2	7.9	11.2	23.6	3.5	8.7	22.5	0.0	1.9	23.7				
	1977	1.4	6.3	26.1	5.6	10.1	23.8	1.7	8.7	22.7	0.4	2.0	24.4				
	1978	1.4	6.4	29.3	8.3	11.2	24.7	4.4	8.5	24.4	0.7	3.0	24.1				
	1979	0.9	5.0	29.7	8.7	11.5	25.9	0.9	5.6	26.0	0.0	2.4	25.7				
	1980	0.5	6.8	29.1	7.8	11.0	25.9	3.0	7.4	25.9	2.0	2.1	25.2				
Total 1970		1.2	6.9	26.2	7.5	11.1	23.3	2.3	8.4	22.9	0.4	3.7	22.9				
1980	1981	2.3	6.3	29.1	10.9	11.5	25.1	1.8	6.6	26.3	1.5	5.7	24.6				
	1982	1.2	8.1	29.9	9.6	11.2	26.7	1.2	6.1	26.3	0.0	1.4	26.6				
	1983	2.2	5.1	27.2	7.1	11.8	25.8	2.6	8.1	25.9	0.7	1.9	25.1				
	1984	1.9	6.1	29.2	9.6	11.2	24.9	1.8	6.3	26.3	0.8	3.0	25.4				
	1985	2.2	7.2	28.8	7.6	11.2	25.5	1.6	7.0	25.5	0.1	2.7	24.8				
	1986	1.6	7.9	29.2	7.5	11.3	25.8	3.0	8.2	25.4	0.3	1.1	24.8				
	1987	1.3	6.7	27.8	6.8	12.1	25.2	1.2	6.6	26.3	0.3	2.8	25.1				
	1988	0.7	7.4	29.1	9.1	12.4	25.6	3.1	10.6	26.6	0.4	2.5	25.8				
Total 1980		1.7	6.8	28.8	8.5	11.6	25.6	1.9	7.0	26.0	0.5	2.7	25.3				
1990	1991	0.7	5.8	24.4	8.8	10.1	20.7	2.3	7.7	21.2	0.2	4.6	23.0				
	1992	1.3	7.5	26.1	8.6	10.5	24.2	5.3	7.3	23.9	5.9	5.1	20.3				
	1993	0.8	5.9	27.6	9.6	11.5	25.3	2.4	8.4	26.6	0.1	2.8	24.9				
	1994	2.2	6.8	28.6	8.6	10.9	25.8	1.4	6.7	27.0	0.0	3.4	26.2				
	1995	2.1	7.7	27.6	9.6	11.9	25.3	2.4	7.4	26.0	1.9	3.3	25.1				
	1996									2.3				2.8			
	1997									7.0				2.8			
	1998									2.3				2.8			
	1999	1.5	7.5	27.9	7.7	10.9	26.5	1.9	7.0	25.8	0.0	4.0	24.8				
	2000	3.7	7.6	27.8	9.3	11.9	25.2	1.3	7.3	25.6	0.9	2.4	24.3				
Total 1990		1.7	7.0	27.1	8.9	11.1	24.7	2.5	7.4	25.2	1.3	3.7	24.1				
2000	2001	2.3	7.6	27.6	7.4	7.4	26.6	1.4	2.4	22.6	0.0	2.3	24.3				
	2002	1.7	6.0	25.0	5.3	6.5	25.0	2.5	3.7	22.9	0.5	2.9	18.8				
	2003	1.7	6.2	23.5	7.9	7.8	25.3	1.8	6.3	24.1	0.2	5.3	19.2				
	2004	2.8	9.1	25.7	10.3	10.7	27.5	1.1	5.2	22.3	0.6	2.4	19.1				
	2005	0.0	5.8	22.7	6.1	9.3	27.0	1.5	8.6	24.5	0.3	4.2	19.1				
	2006	1.0	9.6	23.0	8.0	13.4	26.1							0.4	3.7	19.0	
	2009	1.4	9.2	26.6	6.1	10.4	24.9	1.3	9.2	24.5	1.7	4.8	22.6				
Total 2000		1.6	7.6	24.9	7.2	9.0	26.1	1.6	5.9	23.5	0.5	3.7	20.3				
2010	2011	0.8	3.8	23.1	6.7	3.0	26.2	1.2	3.0	22.3	0.0	6.4	19.0				
	2012	1.0	6.9	25.4	6.2	11.1	24.1	3.2	9.5	24.6	0.9	3.9	21.6				
	2013	0.8	6.7	22.9	7.7	6.9	23.3	2.2	2.2	22.4	0.1	2.6	24.1				
	2014	2.2	3.3	23.8	7.0	2.3	25.3	2.2	2.0	21.6	0.1	5.5	19.5				
	2015	1.6	7.0	24.9	4.8	6.1	25.4	2.5	6.1	25.3	2.0	4.0	20.9				
	2016	0.9	7.8	21.3	7.3	10.5	19.1	2.4	9.6	18.6	1.3	7.3	24.0				
	2017	1.2	6.4	21.0	8.2	11.4	19.1	1.2	10.6	17.5	0.0	7.2	17.7				
Total 2010		1.2	6.0	23.2	6.9	7.1	23.2	2.0	5.9	21.5	0.6	5.3	20.9				
Total general		1.5	6.9	26.1	8.1	10.1	24.5	2.1	7.0	23.8	0.7	3.8	22.8				



SEMARNAT
SECRETARÍA DE MEDIO AMBIENTE
Y RECURSOS NATURALES



ESTACIONES CLIMATOLÓGICAS

