

July 2026

Final Issued 2026-10-11 · Baseline 1991-2020 · next update 2026-10-12

1 Key messages and climate synopsis

- National mean temperature of 27.0 °C (+1.1 °C relative to 1991–2020): the 2nd warmest July in the 1979–2026 series (tied with 2009).
- National precipitation of 106.8 mm, 76% of normal: the 5th driest July in the 1981–2026 series.
- The highest maximum temperature at GHCN stations was 41.9 °C at Durango, Dgo. on 13 July.
- The largest 24-hour rainfall at GHCN stations was 108.4 mm at Ciudad Victoria, Tamps. on 12 July.
- 18 station records were broken (stations with at least 20 years of data).
- Maximum temperature exceeded its 90th percentile on 40% of days (national mean; 10% expected).
- Heat waves of national extent: 1; cold waves: 0.
- 1 tropical cyclones passed within 300 km of the country, none making landfall.
- 12% of the country was in drought by SPI-3 (May–Jul 2026), mainly in Chiapas and Guerrero.
- El Niño conditions of moderate intensity in the equatorial Pacific (ONI MJJ 2026: +1.4 °C).

Source: NOAA CPC / PSL, UCSB Climate Hazards Center

Mean temperature

27.0 °C

+1.1 °C vs. normal (normal 25.9)

Above normal

2nd warmest of 48 (1979–2026) (tied with 2009)

Maximum temperature

33.4 °C

+2.3 °C vs. normal (normal 31.1)

Extremely above normal

2nd warmest of 48 (1979–2026)

Minimum temperature

20.5 °C

–0.1 °C vs. normal (normal 20.6)

Normal

24th coldest of 48 (1979–2026) (tied with 2013, 2014)

Precipitation

106.8 mm

76% of normal (normal 140.0)

Below normal

5th driest of 46 (1981–2026)

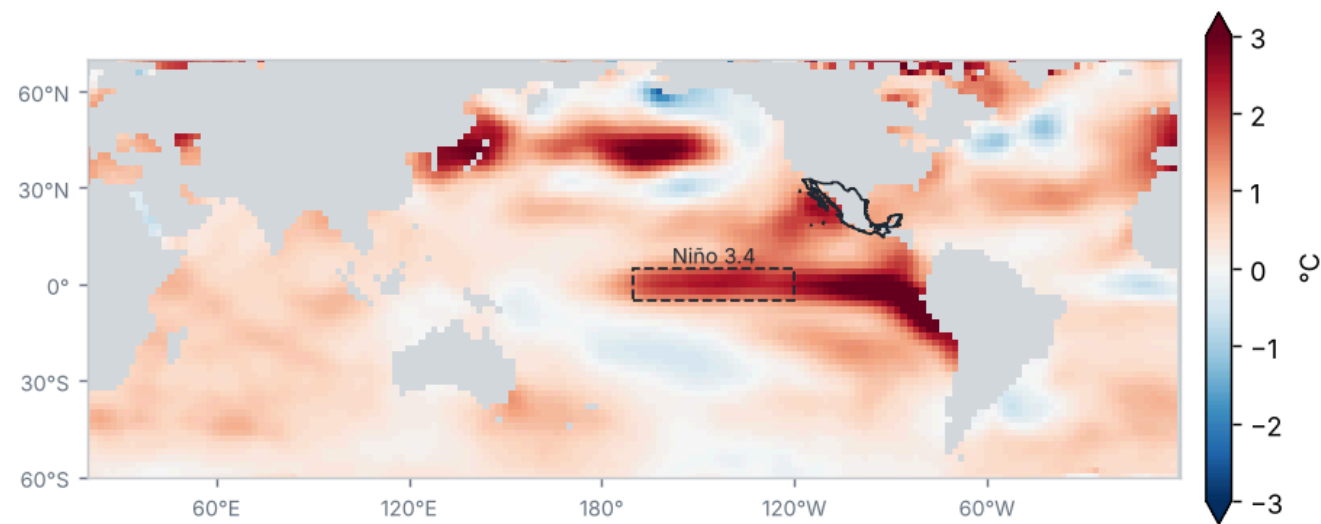
Station records

18

Source: NOAA CPC / PSL, UCSB Climate Hazards Center

2 Global and regional climate drivers

Sea-surface temperature anomaly, July 2026 (°C, 1991–2020)



Source: NOAA NCEI / PSL

Sea-surface temperature anomaly in the Niño regions (°C)

Region	Anomaly (°C)	Change from preceding period (°C)
Niño 1+2	3.6	0.7
Niño 3	2.3	0.6
Niño 3.4	2.0	0.5
Niño 4	1.1	-0.2

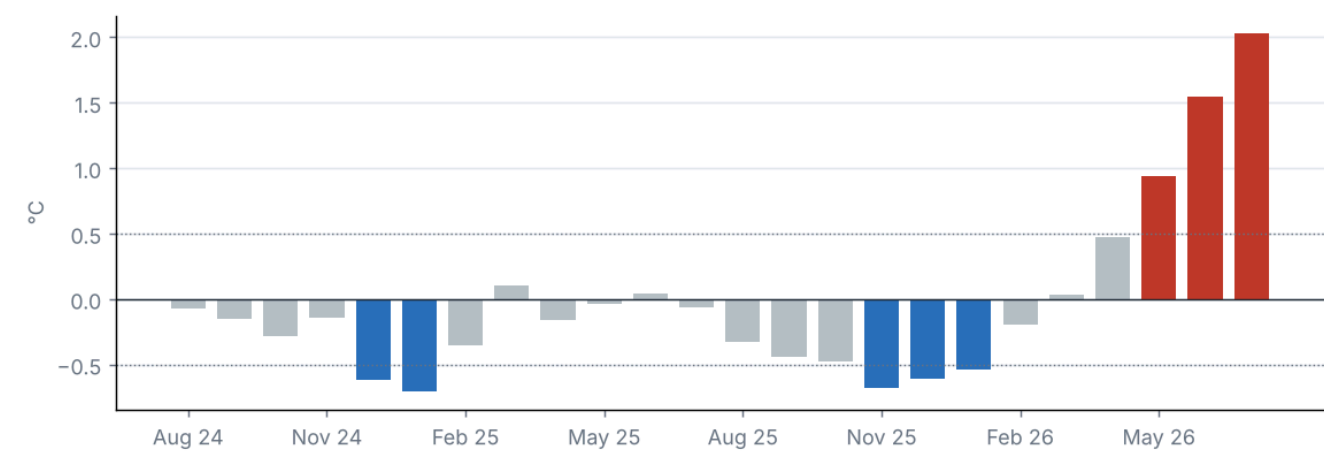
Mean of the months in the period (OISST v2.1)

Source: NOAA CPC

El Niño conditions of moderate intensity: the Oceanic Niño Index (ONI) for MJJ 2026 was +1.4 °C.

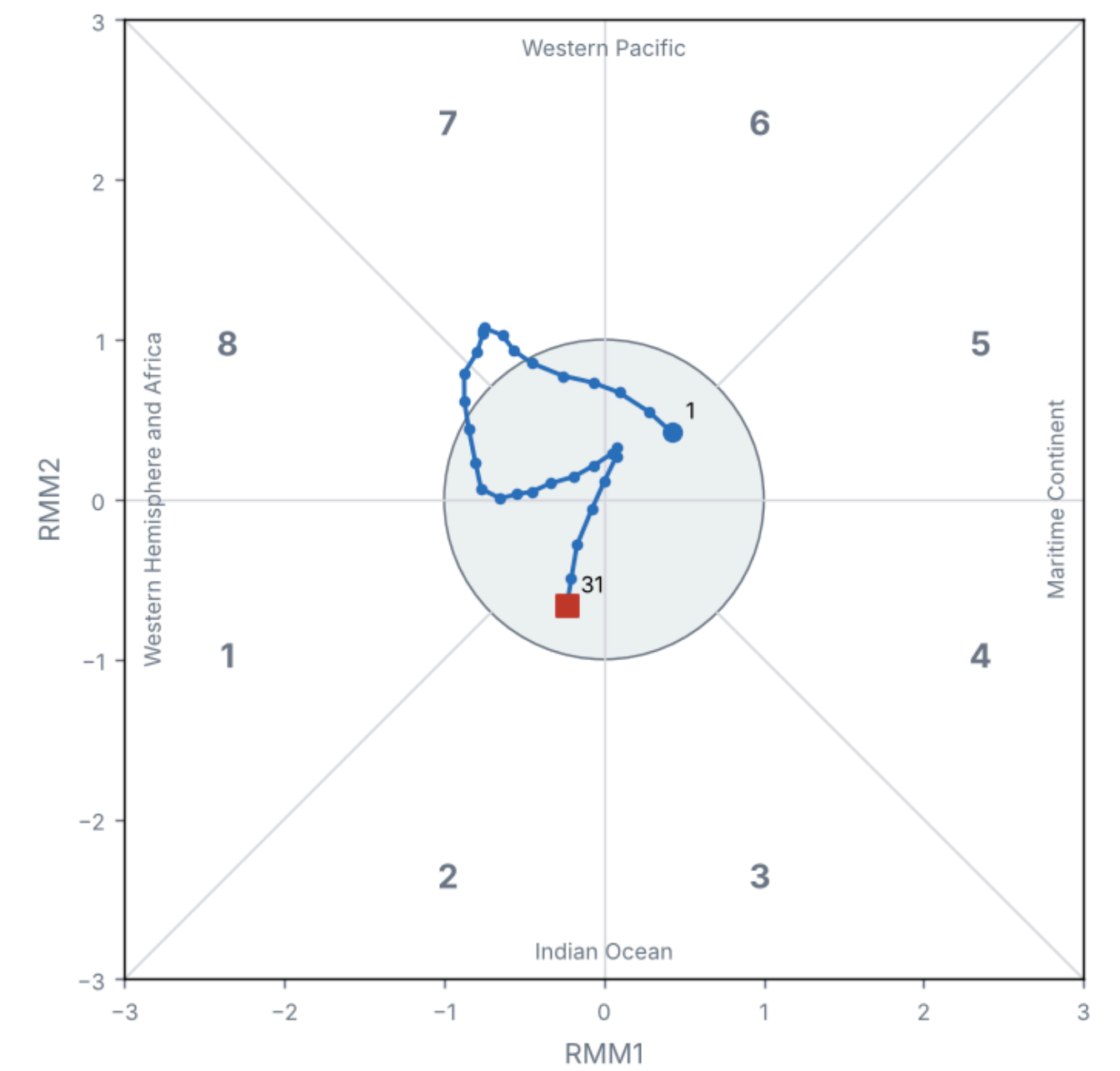
Source: NOAA CPC

Monthly Niño 3.4 anomaly, last 24 months (°C)



Source: NOAA CPC

MJO phase diagram (real-time OMI)



Source: NOAA PSL

Teleconnection indices

Index	Value	Phase
PDO	-2.2	Negative
NAO	-0.3	Neutral
TNA	0.4	Neutral

Pacific Decadal Oscillation (PDO); North Atlantic Oscillation (NAO); Tropical North Atlantic (TNA).

Source: NOAA CPC, NOAA NCEI, NOAA PSL

The Niño 3.4 anomaly was +2.03 °C (+0.48 °C relative to the preceding period).

The MJO was active on 8 of 31 days, most often in phase 7 (Western Pacific); mean amplitude 0.7.

Other indices: PDO -2.16 (negative phase); NAO -0.31 (neutral phase); TNA +0.43 (neutral phase).

3 Precipitation

National precipitation

106.8 mm

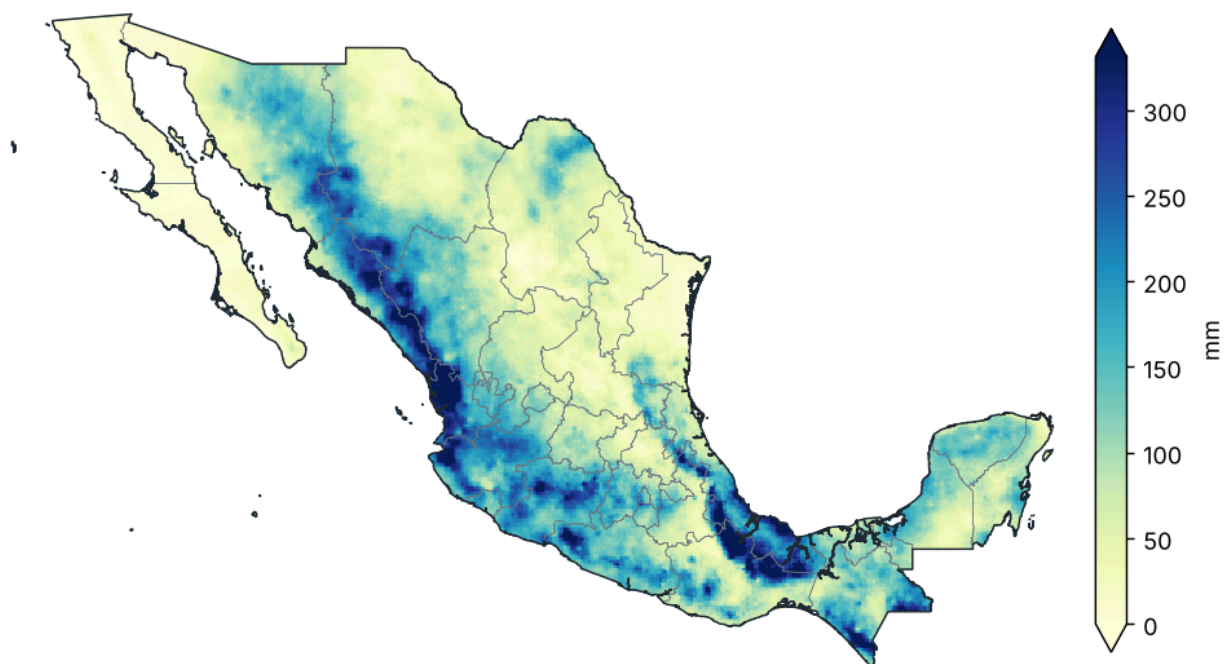
76% of normal (normal
140.0)

Below normal

5th driest of 46 (1981–2026)

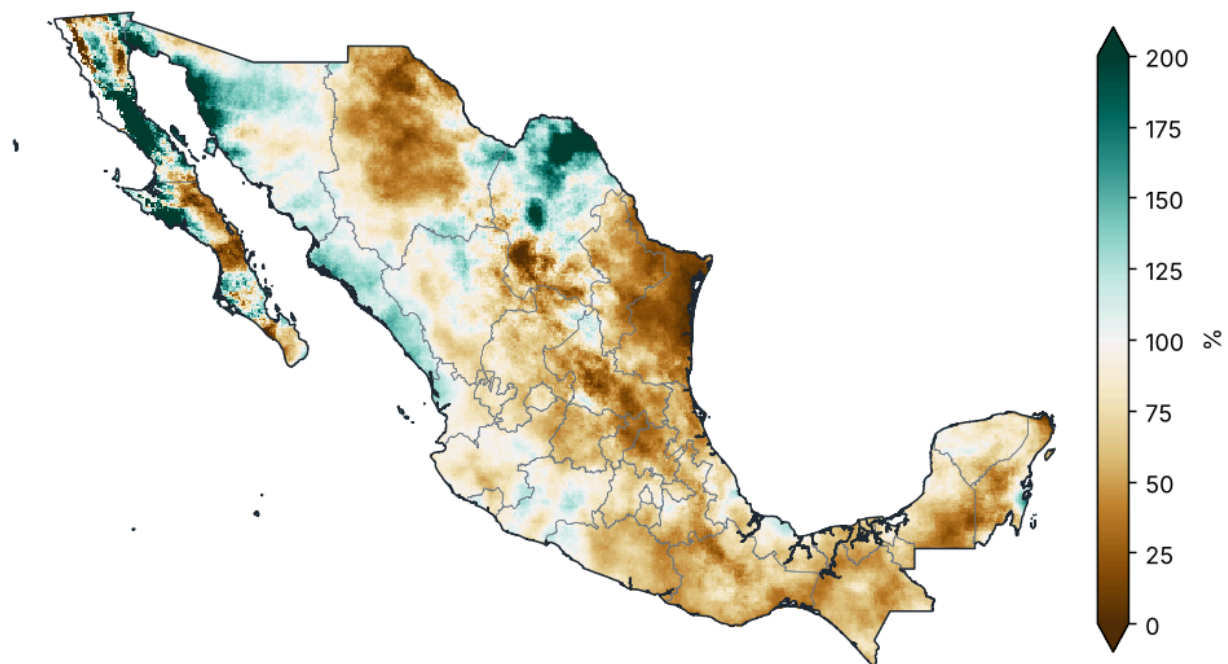
Source: UCSB Climate Hazards Center

Accumulated precipitation



Source: UCSB Climate Hazards Center

Percent of normal precipitation (1991–2020)



Source: UCSB Climate Hazards Center

Percent of normal by state



Source: UCSB Climate Hazards Center

Precipitation by region

Region	Total (mm)	Normal (mm)	Difference (%)	Category
Northwest	84.2	75.4	11.6	Near normal
North	92.0	109.3	-15.8	Near normal
Northeast	33.2	81.2	-59.1	Below normal
North-central	67.2	108.9	-38.3	Below normal
West-central	184.8	212.5	-13.0	Near normal
Central	104.4	161.2	-35.3	Below normal
South	153.6	251.9	-39.0	Below normal
East	172.4	239.7	-28.1	Below normal
Yucatán Peninsula	101.5	146.9	-30.9	Below normal

Source: UCSB Climate Hazards Center

Stations with the largest precipitation excess

Region	State	Station	Altitude (m)	Anomaly (%)
Northwest	Baja California Sur	La Paz (City)	18.0	1548.0
South	Chiapas	Comitan	1646.0	468.9
Northeast	Tamaulipas	Ciudad Victoria	355.0	269.5
North	Coahuila	Saltillo	1790.0	228.0
North	Chihuahua	Temosachi (Obs)	1932.0	149.4
East	Veracruz	Jalapa	1389.0	138.9

Region	State	Station	Altitude (m)	Anomaly (%)
Northeast	Tamaulipas	Tampico	25.0	135.0
South	Chiapas	Francisco Sarabia	1052.0	84.3
Central	Tlaxcala	Tlaxcala De Xicontecatl (Dge)	2230.0	68.2
Central	Estado de México	Toluca (Obs)	2726.0	36.1

Source: NOAA NCEI

Stations with the largest precipitation deficit

Region	State	Station	Altitude (m)	Anomaly (%)
Northwest	Baja California	Ejido Nuevo Leon (Obs)	11.0	-87.4
Yucatán Peninsula	Yucatán	Progreso	2.0	-21.9

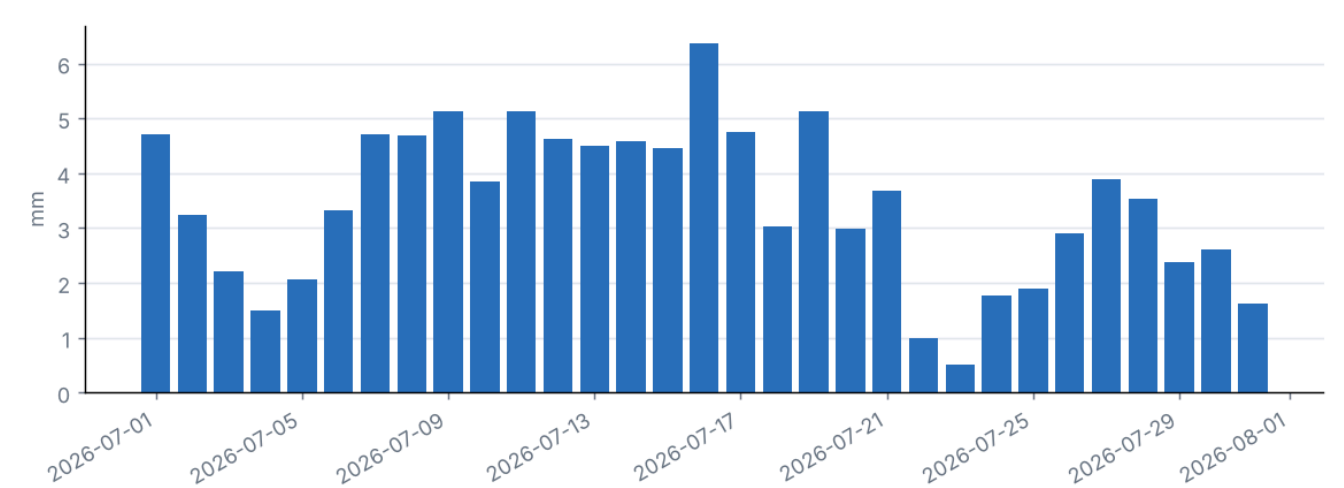
Source: NOAA NCEI

Largest 24-hour rainfall at stations

Station	State	Max 24 h rainfall (mm)	Date
Ciudad Victoria	Tamaulipas	108.4	2026-07-12
Tuxpan.Ver.	Veracruz	102.3	2026-07-16
Hacienda Ylang Ylang Veracruz	Veracruz	101.9	2026-07-09
Orizaba	Veracruz	90.0	2026-07-08
Comitan	Chiapas	89.7	2026-07-07
Temosachi (Obs)	Chihuahua	82.4	2026-07-16
Guadalajara	Jalisco	76.5	2026-07-19
Sn. Cristobal Las Casas	Chiapas	72.7	2026-07-09
Villahermosa	Tabasco	72.4	2026-07-02
Zamora	Michoacán	71.9	2026-07-16

Source: NOAA NCEI

Daily national mean precipitation



Source: UCSB Climate Hazards Center

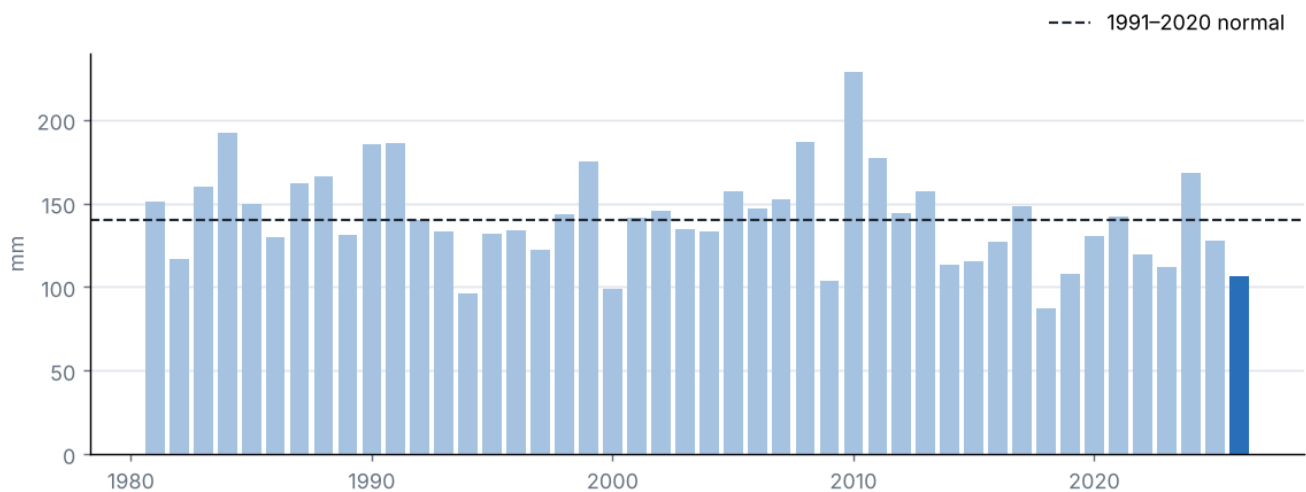
Daily national mean and grid-cell maximum

Day	National mean (mm)	Grid maximum (mm)	State
2026-07-01	4.7	46.8	Campeche
2026-07-02	3.2	86.1	Oaxaca

Day	National mean (mm)	Grid maximum (mm)	State
2026-07-03	2.2	37.0	Oaxaca
2026-07-04	1.5	30.1	Nayarit
2026-07-05	2.1	38.2	Campeche
2026-07-06	3.3	47.2	Michoacán
2026-07-07	4.7	58.6	Veracruz
2026-07-08	4.7	116.1	Veracruz
2026-07-09	5.1	153.7	Veracruz
2026-07-10	3.8	62.7	Sinaloa
2026-07-11	5.1	45.7	Quintana Roo
2026-07-12	4.6	69.0	Veracruz
2026-07-13	4.5	86.6	Guerrero
2026-07-14	4.6	86.6	Coahuila
2026-07-15	4.5	48.7	Veracruz
2026-07-16	6.4	125.9	Chiapas
2026-07-17	4.7	143.6	Oaxaca
2026-07-18	3.0	45.5	Nayarit
2026-07-19	5.1	69.7	Sinaloa
2026-07-20	3.0	53.4	Sonora
2026-07-21	3.7	60.9	Sonora
2026-07-22	1.0	25.9	Durango
2026-07-23	0.5	28.4	Chiapas
2026-07-24	1.8	37.1	Chiapas
2026-07-25	1.9	46.8	Sinaloa
2026-07-26	2.9	58.5	Chiapas
2026-07-27	3.9	59.5	Nayarit
2026-07-28	3.5	67.4	Oaxaca
2026-07-29	2.4	45.2	Nayarit
2026-07-30	2.6	73.5	Sinaloa
2026-07-31	1.6	42.8	Oaxaca

Source: UCSB Climate Hazards Center

National precipitation in July of each year



Source: UCSB Climate Hazards Center

National accumulated precipitation was 106.8 mm, 76% of the 1991–2020 average (140.0 mm), category “Below normal”. It was the 5th driest July in the 1981–2026 series.

The region with the highest percentage of normal was Northwest (112%) and the lowest was Northeast (41%).

The largest daily grid-cell total was estimated on 9 July in Veracruz (153.7 mm).

Source: UCSB Climate Hazards Center

4 Temperature

Mean temperature

27.0 °C

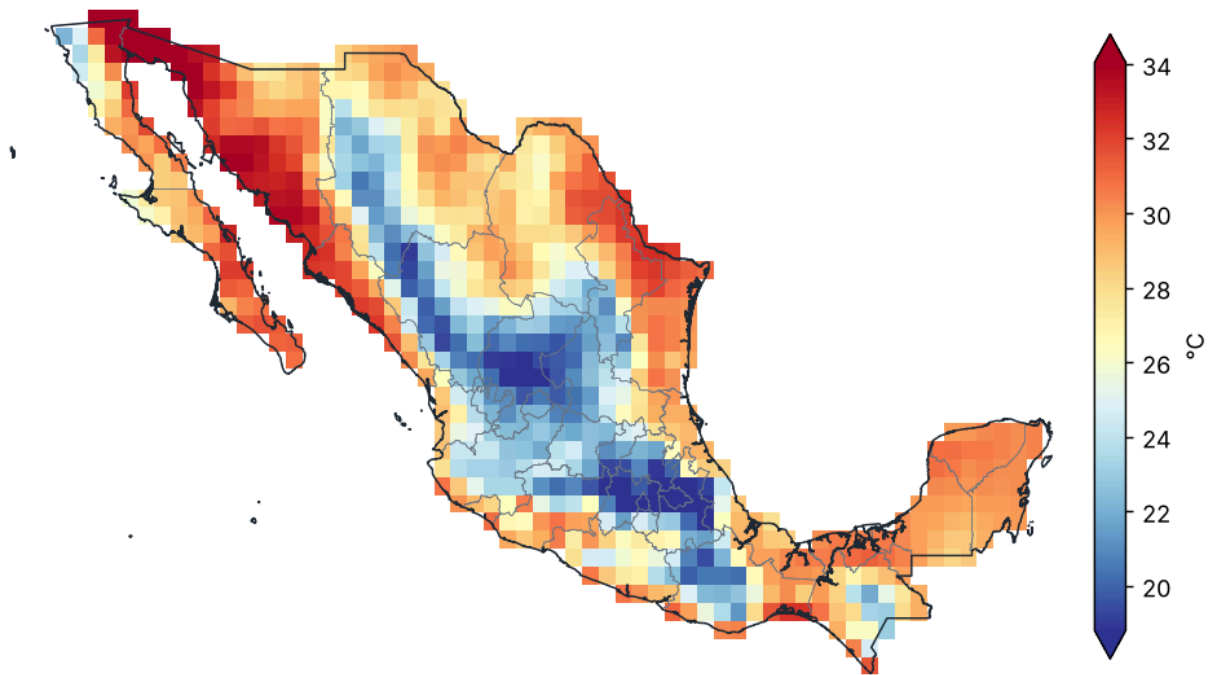
+1.1 °C vs. normal (normal
25.9)

Above normal

2nd warmest of 48 (1979–
2026) (tied with 2009)

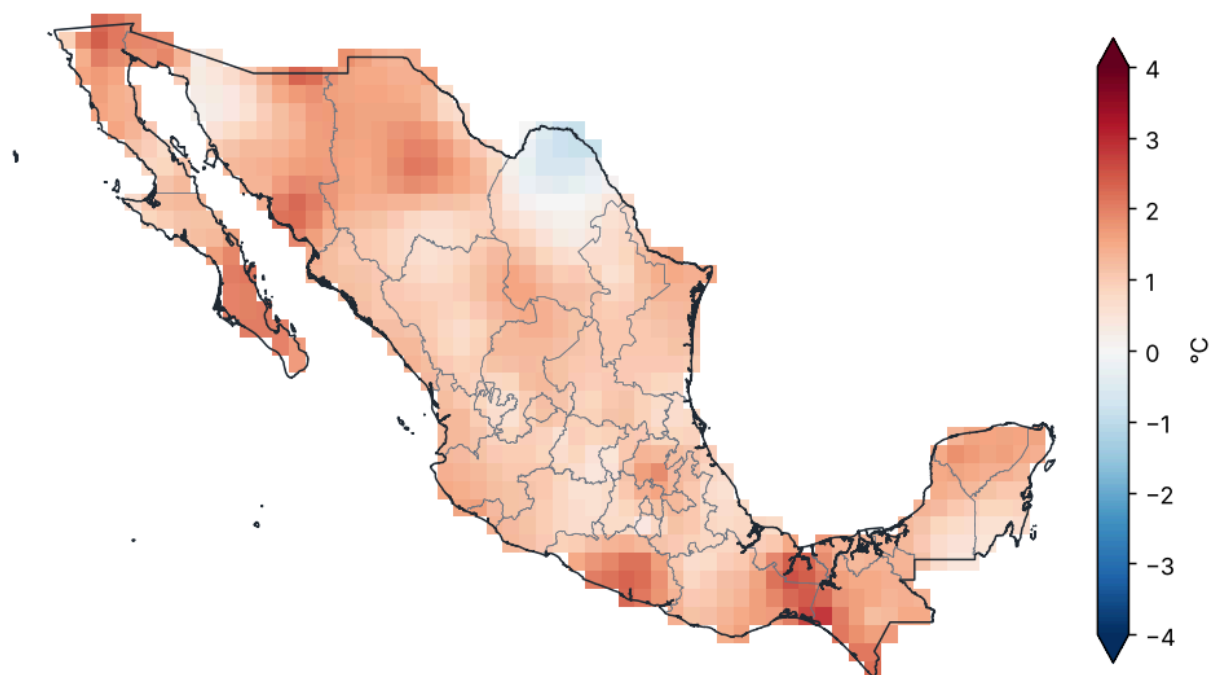
Source: NOAA CPC / PSL

Mean temperature



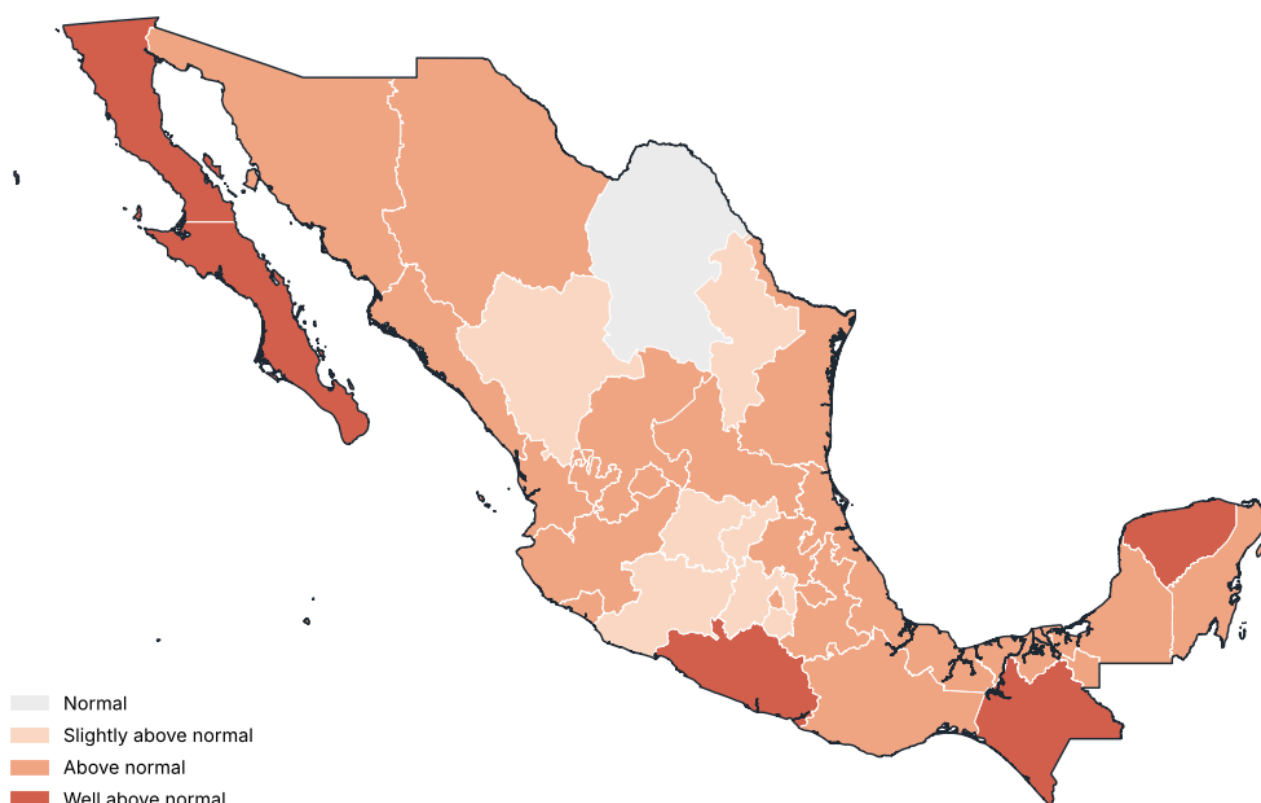
Source: NOAA CPC / PSL

Mean temperature anomaly (1991–2020)



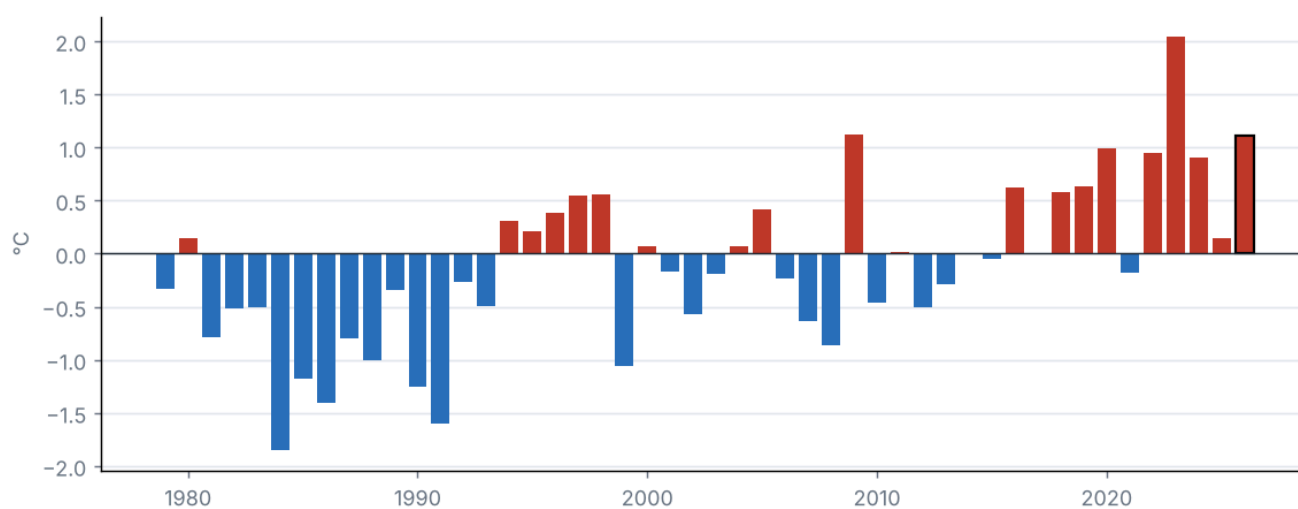
Source: NOAA CPC / PSL

Mean temperature anomaly by state



Source: NOAA CPC / PSL

National mean temperature anomaly in July of each year



Source: NOAA CPC / PSL

The national mean temperature was 27.0 °C, 1.1 °C above the 1991–2020 average (25.9 °C), category “Above normal”. It was the 2nd warmest July in the 1979–2026 series (tied with 2009).

By region, the largest anomaly was in South (+1.5 °C) and the smallest in West-central (+0.9 °C).

Source: NOAA CPC / PSL

Maximum temperature

33.4 °C

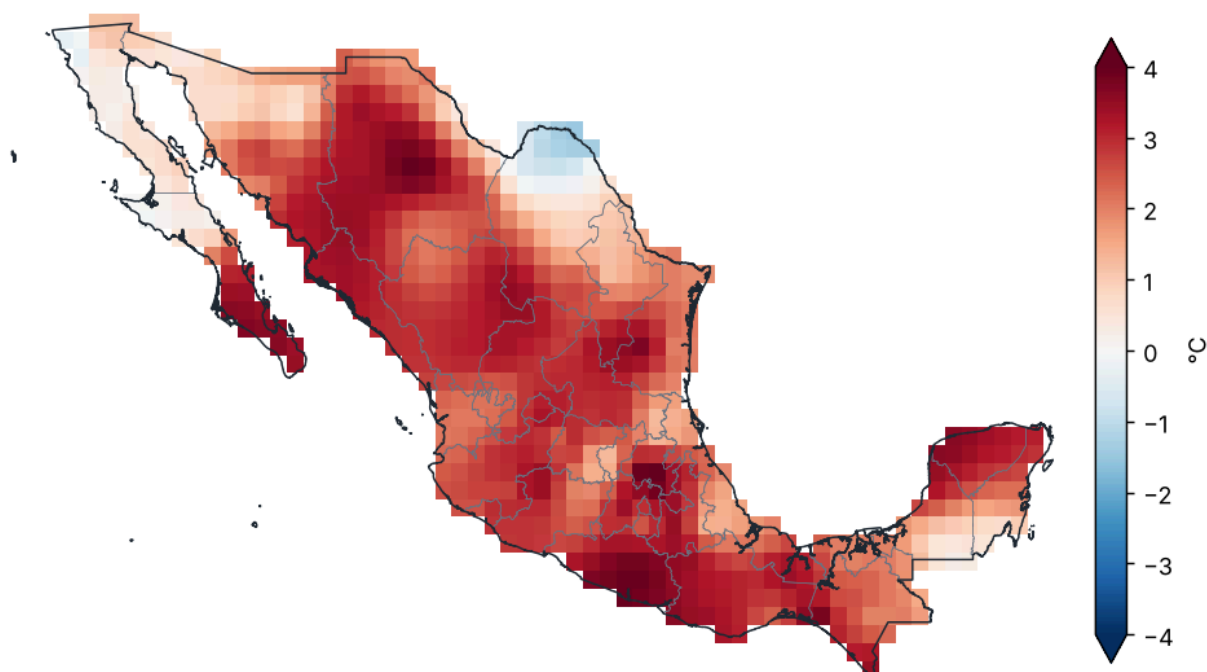
+2.3 °C vs. normal (normal
31.1)

Extremely above normal

2nd warmest of 48 (1979–
2026)

Source: NOAA CPC / PSL

Maximum temperature anomaly (1991–2020)



Source: NOAA CPC / PSL

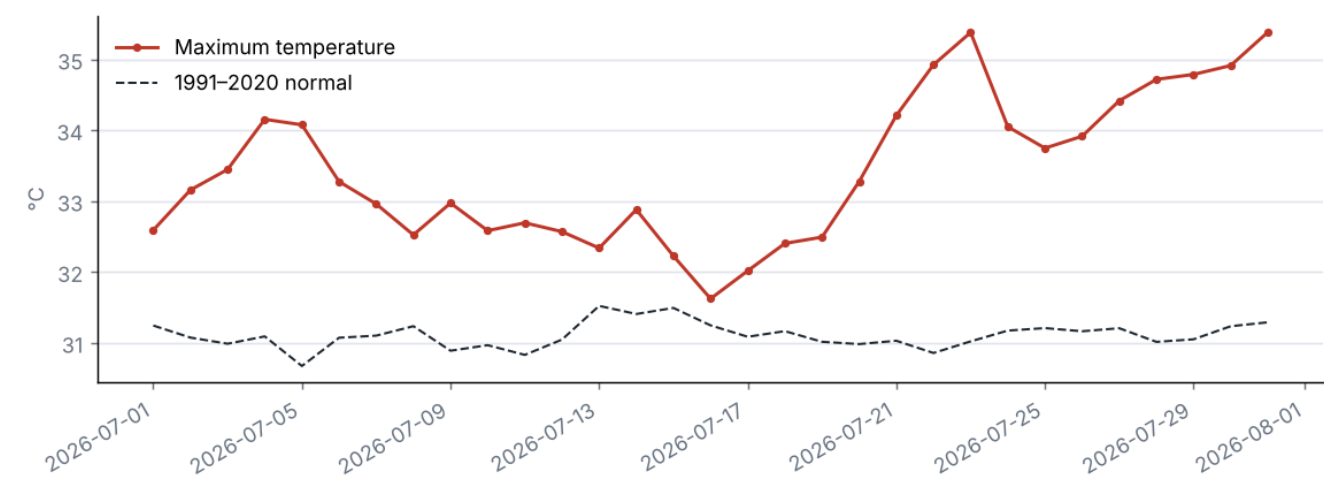
Lowest and highest monthly mean maximum temperature by region

Region	Lowest value (°C)	Station	Highest value (°C)	Station
Northwest	35.4	Puerto Penasco, Son.	36.1	Colonia Juan Carras, Sin.

Station monthly means (GHCN-Daily, $\geq 80\%$ of days with data).

Source: NOAA NCEI

Daily national maximum temperature



Source: NOAA CPC / PSL

The national maximum temperature was 33.4 °C, 2.3 °C above the 1991–2020 average (31.1 °C), category “Extremely above normal”. It was the 2nd warmest July in the 1979–2026 series.

By region, the largest anomaly was in South (+2.9 °C) and the smallest in Northwest (+1.8 °C).

Source: NOAA CPC / PSL

Minimum temperature

20.5 °C

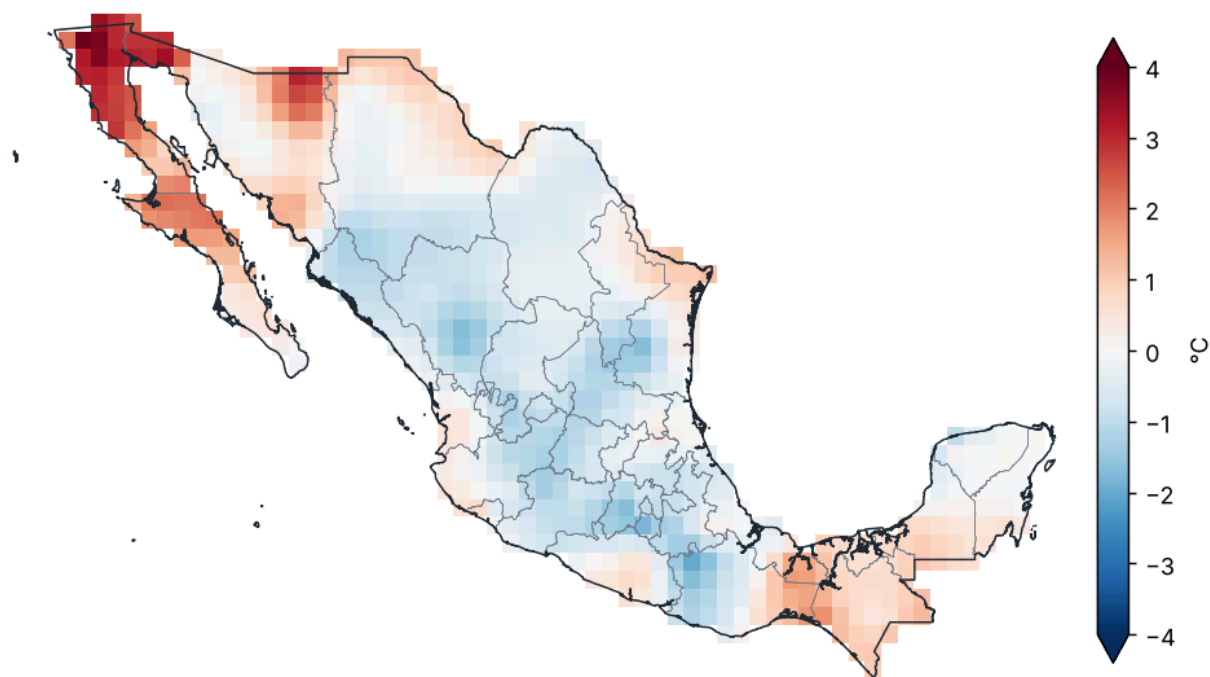
–0.1 °C vs. normal (normal 20.6)

Normal

24th coldest of 48 (1979–2026) (tied with 2013, 2014)

Source: NOAA CPC / PSL

Minimum temperature anomaly (1991–2020)



Source: NOAA CPC / PSL

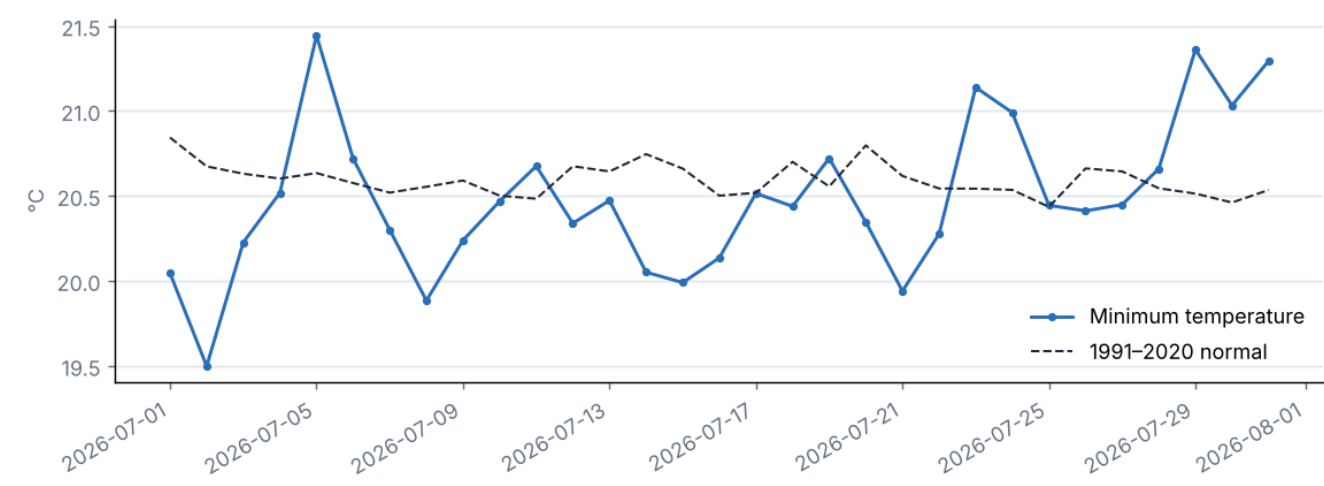
Lowest and highest monthly mean minimum temperature by region

Region	Lowest value (°C)	Station	Highest value (°C)	Station
Northwest	23.5	Colonia Juan Carras, Sin.	28.8	Puerto Penasco, Son.
Yucatán Peninsula	24.7	Valladolid, Yuc.	25.1	Progreso, Yuc.

Station monthly means (GHCN-Daily, $\geq 80\%$ of days with data).

Source: NOAA NCEI

Daily national minimum temperature



Source: NOAA CPC / PSL

The national minimum temperature was 20.5 °C, 0.1 °C below the 1991–2020 average (20.6 °C), category “Normal”. It was the 24th coldest July in the 1979–2026 series (tied with 2013, 2014).

By region, the largest anomaly was in Northwest (+1.0 °C) and the smallest in Central (–0.8 °C).

Source: NOAA CPC / PSL

5 Climate extremes and records

Highest maximum temperature

41.9 °C

Durango, Dgo. · 2026-07-13

Lowest minimum temperature

10.6 °C

Comitan, Chis. · 2026-07-14

Highest 24 h rainfall

108.4 mm

Ciudad Victoria, Tamps. · 2026-07-12

Source: NOAA NCEI

Highest maximum temperature by state

State	Station	Temperature (°C)	Date
Baja California	San Felipe Bcn	38.6	2026-07-10
Chiapas	Comitan	32.4	2026-07-27
Chihuahua	Hidalgo Del Parral	37.2	2026-07-26
Ciudad de México	Mexico City	34.1	2026-07-12
Colima	Manzanillo	38.6	2026-07-09
Durango	Durango	41.9	2026-07-13
Jalisco	Ciudad Guzman	37.6	2026-07-26
Michoacán	Zamora	39.0	2026-07-08
Oaxaca	Oaxaca	37.0	2026-07-12
San Luis Potosí	Rio Verde	38.6	2026-07-31
Sinaloa	Colonia Juan Carras	39.5	2026-07-16
Sonora	Puerto Penasco	37.8	2026-07-10

State	Station	Temperature (°C)	Date
Tamaulipas	Tampico	40.0	2026-07-30
Tlaxcala	Tlaxcala De Xicontecatl (Dge)	32.7	2026-07-14
Veracruz	Tuxpan.Ver.	38.8	2026-07-23

Source: NOAA NCEI

Lowest minimum temperature by state

State	Station	Temperature (°C)	Date
Baja California	San Felipe Bcn	21.7	2026-07-01
Baja California Sur	La Paz (City)	18.2	2026-07-26
Chiapas	Comitan	10.6	2026-07-14
Guerrero	Chilpancingo Ro.	13.0	2026-07-07
Jalisco	Ciudad Guzman	13.1	2026-07-27
Michoacán	Zamora	11.2	2026-07-17
San Luis Potosí	Rio Verde	14.1	2026-07-27
Sinaloa	Choix	16.8	2026-07-17
Sonora	Puerto Penasco	21.5	2026-07-02
Tamaulipas	Ciudad Victoria	14.4	2026-07-09
Veracruz	Jalapa	10.8	2026-07-08
Yucatán	Valladolid	22.6	2026-07-16

Source: NOAA NCEI

Station records broken

Station	State	Variable	New value	Date	Previous record	Previous date
Durango	Durango	Highest maximum temperature	41.9	2026-07-13	37.1	2018-07-24
Colonia Juan Carras	Sinaloa	Highest maximum temperature	39.5	2026-07-16	38.7	1993-07-31
Colonia Juan Carras	Sinaloa	Lowest minimum temperature	17.0	2026-07-13	20.0	1977-07-27
Ciudad Victoria	Tamaulipas	Lowest minimum temperature	14.4	2026-07-09	15.0	1944-07-09
Tampico	Tamaulipas	Highest maximum temperature	40.0	2026-07-30	38.0	2018-07-26
Tulancingo	Hidalgo	Highest 24 h rainfall	56.3	2026-07-17	38.1	1999-07-06
Manzanillo	Colima	Highest maximum temperature	38.6	2026-07-09	36.9	2016-07-05
Ciudad Guzman	Jalisco	Highest maximum temperature	37.6	2026-07-26	36.0	2023-07-17
Zamora	Michoacán	Highest maximum temperature	39.0	2026-07-08	37.0	1956-07-08
Zamora	Michoacán	Highest 24 h rainfall	71.9	2026-07-16	60.7	1998-07-18
Mexico City	Ciudad de México	Highest maximum temperature	34.1	2026-07-12	29.6	1989-07-17
Tlaxcala De Xicontecatl (Dge)	Tlaxcala	Highest maximum temperature	32.7	2026-07-14	30.0	1962-07-12
Jalapa	Veracruz	Highest maximum temperature	35.0	2026-07-13	33.3	2006-07-16
Hacienda Ylang Ylang Veracruz	Veracruz	Highest maximum temperature	36.6	2026-07-31	36.4	2005-07-09

Station	State	Variable	New value	Date	Previous record	Previous date
Orizaba	Veracruz	Highest maximum temperature	34.6	2026-07-07	32.7	2010-07-02
Huajuapán De León (Dge)	Oaxaca	Highest maximum temperature	36.1	2026-07-14	35.4	2022-07-22
Oaxaca	Oaxaca	Highest maximum temperature	37.0	2026-07-12	33.9	2022-07-22
Comitán	Chiapas	Highest 24 h rainfall	89.7	2026-07-07	65.0	2008-07-22

Most extreme daily value of the period against the same period in all earlier years of record (at least 20 years; for weeks, the same calendar month).

Source: NOAA NCEI

Climate-extremes indices (national mean)

Index	Description	Value	Normal	Difference	Unit
TX90p	Warm days (Tmax > 90th percentile)	39.6	10.0	29.6	%
TN90p	Warm nights (Tmin > 90th percentile)	5.4	10.0	-4.6	%
TX10p	Cool days (Tmax < 10th percentile)	1.9	10.0	-8.1	%
TN10p	Cold nights (Tmin < 10th percentile)	7.6	10.0	-2.4	%
FD	Frost days (Tmin < 0 °C)	0.0	0.0	-0.0	d
SU	Summer days (Tmax > 25 °C)	30.1	27.2	2.8	d
TR	Tropical nights (Tmin > 20 °C)	17.9	17.8	0.0	d
WSDI	Warm spell days (≥ 6 days)	5.2	—	—	d
CSDI	Cold spell days (≥ 6 days)	0.1	—	—	d
Rx1day	Maximum 1-day precipitation	20.6	26.3	-5.7	mm
Rx5day	Maximum 5-day precipitation	40.9	52.9	-12.0	mm
CDD	Consecutive dry days (< 1 mm)	8.7	8.4	0.3	d
CWD	Consecutive wet days (≥ 1 mm)	5.1	5.9	-0.8	d

Percentile indices relative to calendar-day percentiles of 1991–2020 (5-day window); counts and maxima averaged over the country's grid cells.

Source: NOAA CPC / PSL

Heat and cold waves

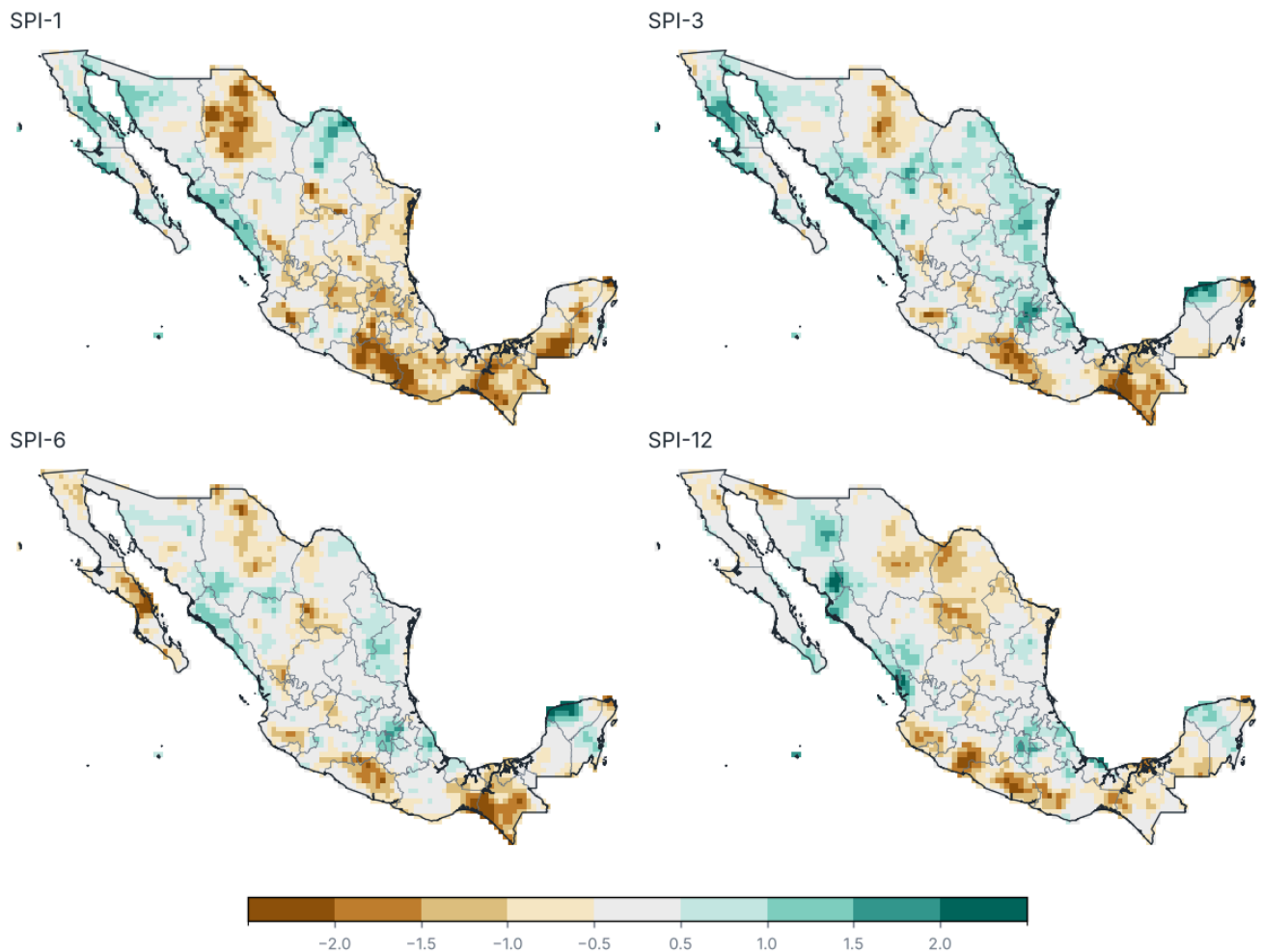
Dates	Type	Details
2026-07-20 – 2026-07-28	Heat wave	Up to 87% of the country above the 90th percentile of Tmax. Regions: Northwest, North, Northeast, North-central, West-central, Central, South, East and Yucatán Peninsula.

Wave: at least 3 consecutive days with at least half of the country above the 90th percentile of maximum temperature (heat) or below the 10th percentile of minimum temperature (cold). At most the 10 most intense are listed.

Source: NOAA CPC / PSL

6 Drought

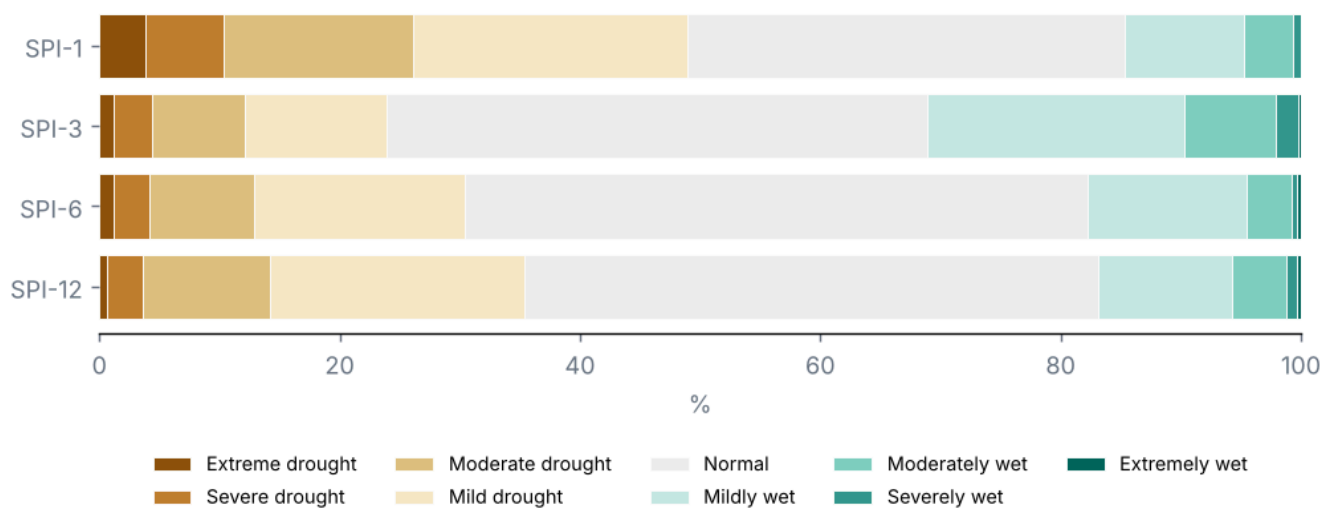
Standardized Precipitation Index (SPI) ending July 2026



SPI computed from CHIRPS; gamma distribution fitted to 1991–2020 accumulations.

Source: UCSB Climate Hazards Center

Share of the country by SPI category



Source: UCSB Climate Hazards Center

States with the lowest SPI-3

State	SPI-1	SPI-3	SPI-6	SPI-12	Category
Chiapas	-1.4	-1.4	-1.4	-0.5	Moderate drought
Guerrero	-1.4	-1.2	-1.0	-1.1	Moderate drought
Tabasco	-1.1	-0.8	-0.7	-0.9	Mild drought
Oaxaca	-1.3	-0.6	-0.4	-0.5	Mild drought

Source: UCSB Climate Hazards Center

SPI-3 (May–Jul 2026): national mean +0.04; 12% of the country in drought ($SPI \leq -1.0$) and 4% in severe or extreme drought.

Most affected states: Chiapas (−1.44) and Guerrero (−1.17).

SPI-1 (July 2026): 26% of the country in drought.

SPI-6 (Feb–Jul 2026): 13% of the country in drought.

SPI-12 (Aug 2025–Jul 2026): 14% of the country in drought.

7 Severe weather and notable events

Tracks of nearby tropical cyclones



Whole tracks; Saffir–Simpson category from NHC/JTWC. Source: IBTrACS v04 (provisional for recent seasons).

Source: NOAA NCEI

Tropical cyclones within 300 km of the country

Name	Basin	Peak intensity	Maximum wind (km/h)	Start	End	Closest approach (km)	Landfall	Landfall intensity
Genevieve	Eastern North Pacific	Category 5 hurricane	259	2026-07-24	2026-08-06	109	—	—

Source: NOAA NCEI

Notable events

Dates	Type	Details
2026-04-21 – 2026-10-09	Drought	GDACS Orange alert: Drought in The Bahamas, Belize, Costa Rica, Cuba, Dominican Republic, Guatemala, Honduras, Haiti, Mexico, Nicaragua, El Salvador.

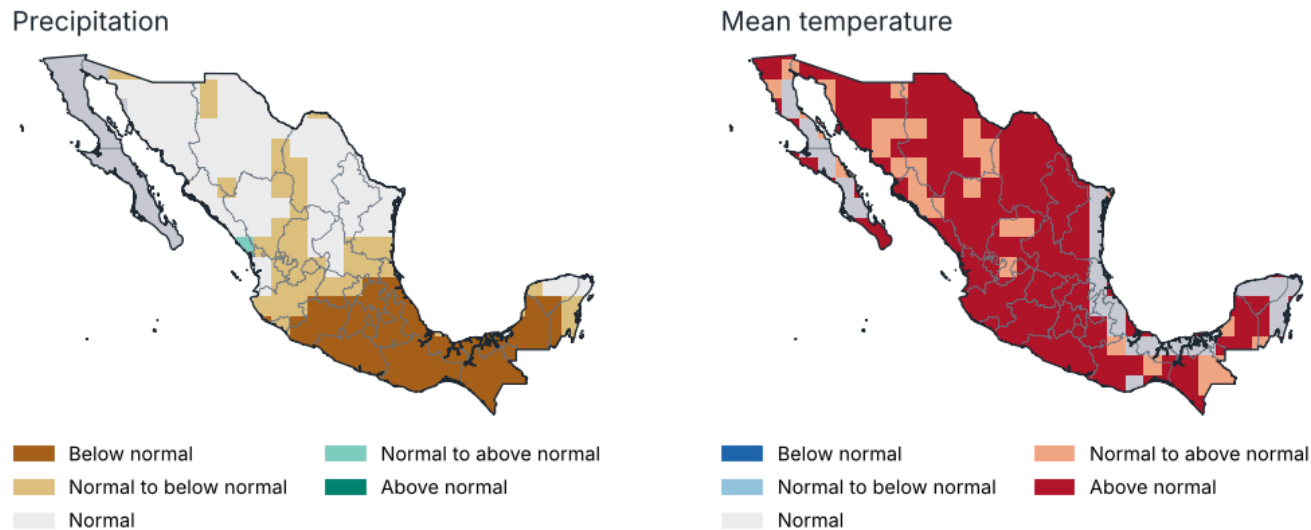
GDACS alerts and station rainfall of 150 mm or more in 24 hours (after quality control).

Source: GDACS

Tropical cyclones within 300 km of the country: 1 (Genevieve).

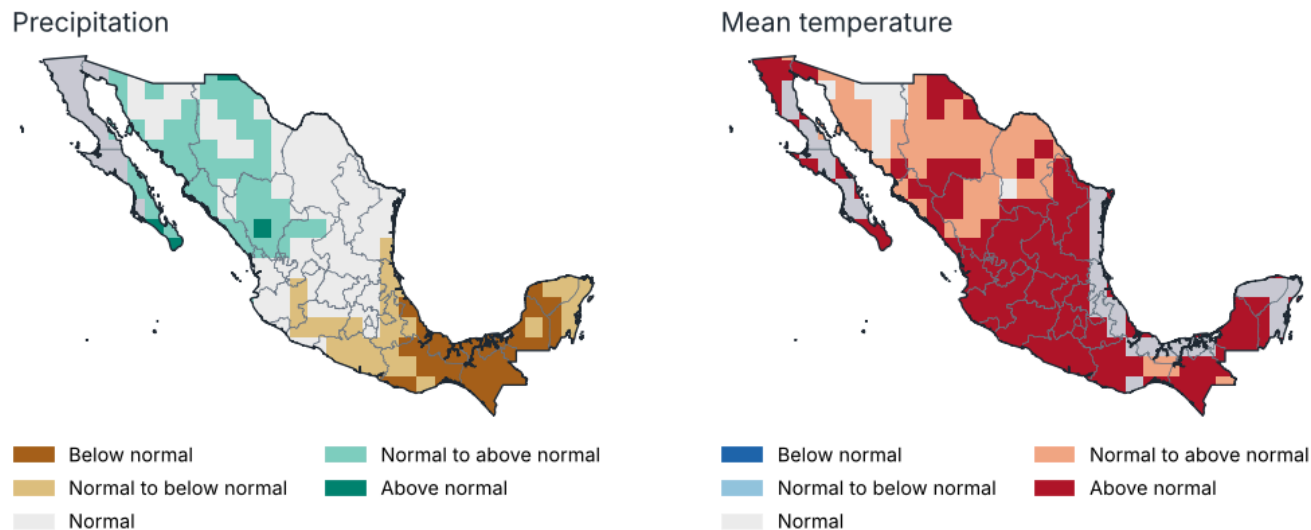
9 Outlook

Outlook for August 2026: most likely tercile



Source: NOAA CPC

Outlook for Aug–Oct 2026: most likely tercile



Source: NOAA CPC

Probability of each tercile by region, Aug–Oct 2026 (%)

Region	Precipitation: below	Precipitation: normal	Precipitation: above	Temp.: below	Temp.: normal	Temp.: above
Northwest	26.0	31.0	43.0	24.0	28.0	48.0
North	28.0	32.0	40.0	23.0	29.0	49.0
Northeast	33.0	34.0	33.0	11.0	23.0	66.0
North-central	29.0	33.0	38.0	11.0	21.0	69.0
West-central	36.0	32.0	32.0	9.0	17.0	73.0

Region	Precipitation: below	Precipitation: normal	Precipitation: above	Temp.: below	Temp.: normal	Temp.: above
Central	40.0	32.0	28.0	7.0	17.0	76.0
South	57.0	26.0	17.0	14.0	23.0	63.0
East	58.0	26.0	16.0	13.0	22.0	64.0
Yucatán Peninsula	52.0	29.0	19.0	14.0	23.0	64.0

Source: NOAA CPC

Probabilistic outlook from the North American Multi-Model Ensemble (NMME), initialised in August 2026, relative to 1991–2020 terciles. It is not an official forecast: consult the national meteorological service.

Precipitation, August 2026: above normal is favoured over 0% of the country and below normal over 53%.

Mean temperature, August 2026: above normal is favoured over 100% of the country and below normal over 0%.

Precipitation, Aug–Oct 2026: above normal is favoured over 26% of the country and below normal over 31%.

Mean temperature, Aug–Oct 2026: above normal is favoured over 95% of the country and below normal over 0%.

10 Annexes

Report climate regions



Monthly precipitation by state (mm)

State	Jan	Feb	Mar	Apr	May	Jun	Jul
Aguascalientes	7.0	0.0	0.9	11.7	9.5	155.4	107.0
Baja California	16.4	24.3	6.7	7.2	1.6	0.1	4.9
Baja California Sur	18.6	2.2	0.3	0.5	0.3	0.1	9.1
Campeche	29.9	17.4	55.1	25.0	110.5	176.8	100.7
Chiapas	51.1	29.8	55.7	40.1	123.9	269.5	152.2
Chihuahua	27.3	15.2	13.1	10.7	10.0	71.1	86.1
Ciudad de México	1.0	0.1	2.5	57.5	99.9	225.1	159.5
Coahuila	14.6	0.6	1.8	19.4	34.8	51.4	62.7
Colima	18.9	0.0	0.9	1.4	3.0	146.0	159.9
Durango	33.5	1.1	7.5	4.9	18.3	91.1	140.0
Guanajuato	11.7	0.0	0.8	40.9	14.2	160.2	85.9
Guerrero	5.8	5.6	1.2	21.5	39.8	231.9	160.0
Hidalgo	8.0	2.3	15.3	41.5	131.7	197.2	68.5
Jalisco	15.7	0.7	9.0	8.7	8.6	171.9	187.5
Estado de México	8.6	0.4	2.8	61.5	91.2	207.6	145.0
Michoacán	13.9	0.1	2.3	17.1	20.6	178.0	193.8
Morelos	0.1	1.2	1.7	44.5	57.3	281.8	135.1

State	Jan	Feb	Mar	Apr	May	Jun	Jul
Nayarit	15.0	0.6	8.1	0.5	4.9	162.3	287.9
Nuevo León	7.5	0.1	4.8	57.9	93.4	113.7	32.4
Oaxaca	18.1	15.4	14.5	46.3	88.1	284.3	150.2
Puebla	9.1	6.3	12.1	54.0	89.6	222.5	109.4
Querétaro	5.8	0.3	3.5	45.2	74.1	187.8	58.0
Quintana Roo	39.6	20.6	116.5	51.6	175.7	113.4	84.8
San Luis Potosí	9.3	0.7	4.6	24.6	64.8	169.3	56.0
Sinaloa	36.9	4.6	8.1	1.6	6.3	54.0	224.7
Sonora	38.1	11.6	16.3	4.2	3.2	14.1	102.9
Tabasco	136.7	43.6	114.7	52.8	84.0	205.9	108.7
Tamaulipas	4.1	0.1	2.8	57.5	134.1	177.5	33.8
Tlaxcala	1.4	0.0	4.5	88.5	100.4	174.6	98.0
Veracruz	51.1	27.3	25.4	48.1	103.2	300.7	194.2
Yucatán	21.8	10.4	68.6	39.9	164.0	190.6	121.0
Zacatecas	13.2	0.0	2.7	8.3	13.7	113.7	76.2

CSV

Source: UCSB Climate Hazards Center

Monthly maximum temperature by state (°C)

State	Jan	Feb	Mar	Apr	May	Jun	Jul
Aguascalientes	22.8	27.4	28.3	31.3	31.9	27.6	27.8
Baja California	21.2	23.2	28.1	25.4	27.2	31.6	33.8
Baja California Sur	25.5	27.5	30.1	30.1	30.3	33.5	35.9
Campeche	28.5	30.1	32.4	35.4	37.0	35.5	35.3
Chiapas	27.8	29.1	30.8	33.1	34.5	32.5	32.6
Chihuahua	19.1	24.1	29.1	29.3	32.4	35.5	34.1
Ciudad de México	21.0	23.8	23.0	25.9	26.2	22.8	23.7
Coahuila	20.6	27.7	30.7	30.4	33.5	35.4	34.8
Colima	31.1	31.9	32.6	33.6	34.8	33.2	34.2
Durango	22.3	27.2	29.4	32.1	32.8	32.9	31.2
Guanajuato	25.1	29.2	29.7	32.8	33.5	29.2	29.8
Guerrero	32.1	33.7	33.5	35.2	35.8	31.8	33.6
Hidalgo	22.2	25.9	26.5	29.6	30.7	28.1	28.3
Jalisco	27.4	30.0	30.9	33.2	34.2	30.2	30.4
Estado de México	24.1	27.3	26.6	29.3	29.7	25.8	26.5
Michoacán	30.8	33.4	33.8	35.8	36.4	31.6	32.2
Morelos	29.0	32.3	32.1	34.9	35.0	29.8	31.6
Nayarit	28.4	30.3	31.2	33.3	34.5	31.3	31.6
Nuevo León	22.4	28.6	31.1	29.1	31.8	33.5	34.9
Oaxaca	28.9	30.1	31.4	33.8	34.6	31.2	31.6
Puebla	25.9	28.6	28.8	31.2	32.2	28.8	29.4
Querétaro	23.4	27.6	28.4	30.9	32.1	28.6	28.8
Quintana Roo	29.0	30.2	32.0	33.7	35.1	34.6	35.1
San Luis Potosí	23.2	28.2	29.3	31.9	32.8	30.3	30.9
Sinaloa	29.1	30.8	32.7	35.1	36.4	36.6	36.6
Sonora	23.5	27.1	32.3	31.6	34.3	38.6	37.7
Tabasco	27.1	28.7	30.8	34.1	36.0	34.7	35.0

State	Jan	Feb	Mar	Apr	May	Jun	Jul
Tamaulipas	23.4	29.0	31.9	31.3	33.6	34.4	36.5
Tlaxcala	22.7	25.4	24.8	27.3	28.0	24.7	25.5
Veracruz	25.2	27.3	29.4	32.3	34.5	33.3	32.8
Yucatán	29.7	31.5	33.3	35.7	37.6	36.3	37.0
Zacatecas	20.7	25.8	26.7	29.8	30.3	27.8	27.8

CSV

Source: NOAA CPC / PSL

Monthly mean temperature by state (°C)

State	Jan	Feb	Mar	Apr	May	Jun	Jul
Aguascalientes	14.8	17.6	19.0	21.8	23.6	21.4	21.2
Baja California	16.2	17.6	21.8	20.2	21.5	26.0	29.0
Baja California Sur	19.7	21.0	23.7	23.8	23.8	27.5	30.0
Campeche	22.6	23.3	26.4	29.2	31.0	30.3	29.7
Chiapas	22.5	22.7	25.3	27.4	28.8	27.6	27.5
Chihuahua	10.5	14.6	18.9	20.5	23.1	27.2	26.5
Ciudad de México	12.7	14.4	14.9	17.9	18.4	16.6	17.0
Coahuila	12.8	18.4	21.8	23.1	25.8	28.4	28.1
Colima	25.2	25.6	25.8	27.2	29.1	28.6	29.0
Durango	13.9	17.1	19.4	22.1	23.7	25.2	23.9
Guanajuato	16.9	19.3	20.5	23.7	25.1	22.8	22.7
Guerrero	24.6	25.5	25.7	27.9	29.0	26.4	27.2
Hidalgo	14.9	16.8	18.2	21.5	22.9	21.9	21.5
Jalisco	19.4	21.1	21.9	24.1	25.9	24.3	24.2
Estado de México	15.2	16.7	17.5	20.5	21.3	19.4	19.3
Michoacán	22.0	23.7	24.3	26.7	28.0	25.4	25.4
Morelos	19.7	22.1	23.1	26.1	25.9	22.5	23.5
Nayarit	21.2	22.2	23.2	25.1	26.8	26.2	26.1
Nuevo León	15.0	20.0	22.7	22.9	25.3	27.2	27.8
Oaxaca	21.1	21.5	23.6	26.2	27.5	25.5	25.4
Puebla	17.2	18.5	19.8	22.6	23.8	22.2	21.9
Querétaro	16.4	18.7	20.1	23.2	24.4	22.6	22.4
Quintana Roo	23.2	23.5	26.2	28.1	30.2	30.1	29.9
San Luis Potosí	15.4	18.3	20.1	23.4	24.6	23.6	23.4
Sinaloa	20.9	22.0	24.8	26.3	27.8	30.2	30.3
Sonora	16.2	19.2	23.5	23.7	26.4	31.5	31.7
Tabasco	23.4	23.9	26.8	29.6	31.4	30.4	30.5
Tamaulipas	16.7	20.7	24.0	25.5	27.5	29.1	29.6
Tlaxcala	13.2	14.6	15.2	17.8	19.1	18.0	17.7
Veracruz	20.5	21.6	24.2	27.0	28.9	28.4	27.9
Yucatán	23.3	24.0	26.6	28.6	30.9	30.4	30.4
Zacatecas	13.4	16.8	17.9	20.8	22.0	21.0	20.8

CSV

Source: NOAA CPC / PSL

Monthly minimum temperature by state (°C)

State	Jan	Feb	Mar	Apr	May	Jun	Jul
Aguascalientes	6.8	7.9	9.7	12.4	15.4	15.2	14.5
Baja California	11.2	12.1	15.5	15.0	15.7	20.4	24.2
Baja California Sur	14.0	14.5	17.2	17.4	17.2	21.5	24.1
Campeche	16.7	16.5	20.4	22.9	25.0	25.1	24.1
Chiapas	17.1	16.3	19.9	21.7	23.1	22.7	22.4
Chihuahua	2.0	5.0	8.6	11.8	13.8	18.8	18.8
Ciudad de México	4.5	5.0	6.7	9.9	10.5	10.4	10.3
Coahuila	4.9	9.1	12.9	15.9	18.1	21.4	21.5
Colima	19.3	19.4	18.9	20.9	23.4	24.0	23.9
Durango	5.5	7.1	9.5	12.1	14.6	17.4	16.5
Guanajuato	8.6	9.4	11.2	14.7	16.7	16.5	15.5
Guerrero	17.2	17.2	17.9	20.5	22.2	21.0	20.9
Hidalgo	7.7	7.8	9.8	13.5	15.0	15.6	14.6
Jalisco	11.3	12.2	12.9	15.0	17.6	18.4	17.9
Estado de México	6.3	6.1	8.4	11.7	12.8	13.0	12.2
Michoacán	13.3	13.9	14.8	17.6	19.6	19.3	18.6
Morelos	10.5	11.8	14.2	17.3	16.9	15.2	15.3
Nayarit	14.0	14.2	15.2	16.8	19.2	21.0	20.6
Nuevo León	7.7	11.5	14.3	16.7	18.7	20.8	20.8
Oaxaca	13.4	12.9	15.8	18.6	20.5	19.9	19.3
Puebla	8.5	8.4	10.8	13.9	15.4	15.6	14.3
Querétaro	9.4	9.8	11.9	15.5	16.7	16.5	16.0
Quintana Roo	17.5	16.7	20.4	22.5	25.3	25.7	24.8
San Luis Potosí	7.5	8.5	10.9	14.8	16.4	17.0	16.0
Sinaloa	12.8	13.3	16.9	17.6	19.3	23.7	24.0
Sonora	8.8	11.3	14.8	15.8	18.4	24.5	25.8
Tabasco	19.7	19.2	22.8	25.0	26.7	26.2	26.1
Tamaulipas	10.0	12.3	16.1	19.7	21.5	23.7	22.8
Tlaxcala	3.8	3.7	5.6	8.3	10.3	11.2	9.8
Veracruz	15.8	15.9	18.9	21.8	23.2	23.4	23.0
Yucatán	16.9	16.5	20.0	21.6	24.2	24.4	23.8
Zacatecas	6.1	7.7	9.2	11.9	13.7	14.3	13.8

CSV

Source: NOAA CPC / PSL

Stations used

Id	Name	State	Latitude	Longitude	Altitude (m)	Days with data (Tmax) (%)
MXM00076040	Ejido Nuevo Leon (Obs)	Baja California	32.4	-115.2	11.3	0.0
MXM00076055	San Felipe Bcn	Baja California	31.0	-114.8	15.0	42.0
MXM00076061	Puerto Penasco	Sonora	31.3	-113.5	62.0	84.0
MXM00076118	Nacozeni (Smn)	Sonora	30.4	-109.7	1099.7	0.0
MXM00076311	Choix	Sinaloa	26.7	-108.3	237.7	0.0
MXM00076323	Hidalgo Del Parral	Chihuahua	26.9	-105.7	1661.0	45.0
MXM00076390	Saltillo	Coahuila	25.4	-101.0	1790.0	0.0
MXM00076402	Ciudad Constitucion	Baja California Sur	24.9	-111.7	48.0	0.0
MXM00076405	La Paz (City)	Baja California Sur	24.2	-110.3	18.0	0.0

Id	Name	State	Latitude	Longitude	Altitude (m)	Days with data (Tmax) (%)
MXM00076423	Durango	Durango	24.1	-104.6	1872.0	81.0
MXM00076458	Colonia Juan Carras	Sinaloa	23.2	-106.4	4.0	81.0
MXM00076491	Ciudad Victoria	Tamaulipas	23.7	-99.1	355.0	0.0
MXM00076519	Colotlan	Jalisco	22.1	-103.3	1673.0	23.0
MXM00076525	Zacatecas Zac. (La Bufo)	Zacatecas	22.8	-102.6	2612.0	0.0
MXM00076548	Tampico	Tamaulipas	22.2	-97.8	25.0	71.0
MXM00076573	Lagos De Moreno	Jalisco	21.4	-101.9	1942.0	0.0
MXM00076581	Rio Verde	San Luis Potosí	21.9	-100.0	983.0	68.0
MXM00076593	Progreso	Yucatán	21.3	-89.7	2.4	0.0
MXM00076612	Guadalajara	Jalisco	20.7	-103.4	1583.0	0.0
MXM00076632	Pachuca	Hidalgo	20.1	-98.8	2435.0	0.0
MXM00076634	Tulancingo	Hidalgo	20.1	-98.4	2181.0	0.0
MXM00076640	Tuxpan.Ver.	Veracruz	20.9	-97.4	28.0	84.0
MXM00076647	Valladolid	Yucatán	20.7	-88.2	27.0	0.0
MXM00076654	Manzanillo	Colima	19.1	-104.3	3.0	68.0
MXM00076656	Ciudad Guzman	Jalisco	19.7	-103.5	1515.0	61.0
MXM00076662	Zamora	Michoacán	20.0	-102.3	1540.0	77.0
MXM00076665	Morelia	Michoacán	19.7	-101.2	1913.0	0.0
MXM00076675	Toluca (Obs)	Estado de México	19.3	-99.7	2725.8	0.0
MXM00076680	Mexico City	Ciudad de México	19.4	-99.2	2303.0	61.0
MXM00076683	Tlaxcala De Xicontecatl (Dge)	Tlaxcala	19.3	-98.2	2229.9	23.0
MXM00076687	Jalapa	Veracruz	19.6	-96.9	1389.0	55.0
MXM00076692	Hacienda Ylang Ylang Veracruz	Veracruz	19.1	-96.1	16.0	52.0
MXM00076737	Orizaba	Veracruz	18.9	-97.1	1259.0	45.0
MXM00076741	Coatzacoalcos	Veracruz	18.1	-94.4	22.0	35.0
MXM00076743	Villahermosa	Tabasco	18.0	-92.9	16.0	0.0
MXM00076762	Chilpancingo Ro.	Guerrero	17.6	-99.5	1265.0	0.0
MXM00076773	Huajuapán De León (Dge)	Oaxaca	17.8	-97.8	1583.7	39.0
MXM00076775	Oaxaca	Oaxaca	17.1	-96.7	1518.0	71.0
MXM00076805	Acapulco	Guerrero	16.8	-99.9	3.0	0.0
MXM00076833	Salina Cruz	Oaxaca	16.2	-95.2	9.8	0.0
MXM00076840	Temosachi (Obs)	Chihuahua	28.9	-107.8	1931.8	0.0
MXM00076843	Francisco Sarabia	Chiapas	16.8	-93.3	1051.9	0.0
MXM00076845	Sn. Cristobal Las Casas	Chiapas	16.8	-92.6	2116.0	81.0
MXM00076848	Comitán	Chiapas	16.2	-92.1	1646.0	61.0
MXM00076855	Puerto Angel	Oaxaca	15.7	-96.5	46.0	0.0
MXM00076903	Tapachula	Chiapas	14.9	-92.2	118.0	0.0

CSV

Source: NOAA NCEI

- Report data (JSON)
- Tables (CSV)

11 Glossary, methodology and sources

Anomaly: difference between the observed value and its 1991–2020 normal. Percent of normal: observed total divided by the normal, times 100. Station record: most extreme daily value for the same month in all earlier years of record (at least 20 years).

Temperature: CPC_TEMP (0.5° daily grid); mean temperature is $(T_{\max} + T_{\min})/2$. Precipitation: CHIRPS. National, regional and state averages are weighted by the area of each grid cell inside each polygon. Normals refer to 1991–2020; ranks compare values rounded to one decimal. Stations: GHCN-Daily (NOAA NCEI); values flagged by its quality control are discarded, as are daily values more than 5 robust standard deviations from the station median and variables whose monthly anomaly differs by more than 3 °C from the gridded analysis. Period means require at least 80% of days with data and station normals at least 20 complete years. This report is generated automatically and does not replace official information from the national meteorological service.

Source	Product	License	Citation
UCSB Climate Hazards Center	CHIRPS v3.0, 0.05°	See provider terms	Climate Hazards Center, UC Santa Barbara. CHIRPS v3.0.
NOAA CPC	ONI, Niño-region SST indices (OISST v2.1), NAO and AO	Public domain (NOAA)	NOAA Climate Prediction Center climate indices.
NOAA CPC / PSL	CPC Global Unified Gauge-Based Analysis of Daily Precipitation, 0.5°	Public domain (NOAA)	CPC Global Unified Precipitation data provided by NOAA PSL, Boulder, CO, USA.
NOAA CPC / PSL	CPC Global Unified Temperature, daily 0.5°	Public domain (NOAA)	CPC Global Unified Temperature data provided by NOAA PSL, Boulder, CO, USA.
NOAA NCEI / PSL	Extended Reconstructed SST v5 (ERSST v5), 2°	Public domain (NOAA)	Huang et al. (2017), J. Climate, doi:10.1175/JCLI-D-16-0836.1
GDACS	Global Disaster Alert and Coordination System event list	See provider terms	—
NOAA NCEI	GHCN-Daily	Public domain (NOAA)	Menne et al. (2012), J. Atmos. Oceanic Technol., doi:10.1175/JTECH-D-11-00103.1
NOAA NCEI	IBTrACS v04r01 tropical-cyclone best tracks	Public domain (NOAA)	Knapp et al. (2010), Bull. Amer. Meteor. Soc., doi:10.1175/2009BAMS2755.1
NOAA NCEI	Pacific Decadal Oscillation index (ERSST v5)	Public domain (NOAA)	—
NOAA CPC	North American Multi-Model Ensemble (NMME) tercile probabilities, 1°	Public domain (NOAA)	Kirtman et al. (2014), Bull. Amer. Meteor. Soc., doi:10.1175/BAMS-D-12-00050.1
NOAA PSL	Real-time OLR MJO Index (ROMI)	Public domain (NOAA)	Kiladis et al. (2014), Mon. Wea. Rev., doi:10.1175/MWR-D-13-00301.1
NOAA PSL	Tropical Northern Atlantic index (TNA)	Public domain (NOAA)	Enfield et al. (1999), J. Geophys. Res., doi:10.1029/1999JC900039
geoBoundaries	geoBoundaries gbOpen (Instituto Nacional de Estadística y Geografía (INEGI))	Creative Commons Attribution 3.0 Intergovernmental Organisations (CC BY 3.0 IGO)	—

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