

September 2026

Preliminary Issued 2026-10-11 · Baseline 1991-2020 · next update 2026-10-25

1 Key messages and climate synopsis

- National mean temperature of 26.6 °C (+2.1 °C relative to 1991–2020): the 2nd warmest September in the 1979–2026 series.
- National precipitation of 114.6 mm, 80% of normal: the 8th driest September in the 1979–2026 series.
- The highest maximum temperature at GHCN stations was 41.8 °C at Ciudad Constitucion, B.C.S. on 3 September.
- The largest 24-hour rainfall at GHCN stations was 175.0 mm at Oaxaca, Oax. on 10 September.
- 18 station records were broken (stations with at least 20 years of data).
- Maximum temperature exceeded its 90th percentile on 64% of days (national mean; 10% expected).
- Heat waves of national extent: 2; cold waves: 0.
- 4 tropical cyclones passed within 300 km of the country; landfalls: Polo in Baja California Sur (category 2 hurricane).
- 45% of the country was in drought by SPI-3 (Jul–Sep 2026), mainly in Morelos, Tamaulipas and Tabasco.
- El Niño conditions of very strong intensity in the equatorial Pacific (ONI JAS 2026: +2.2 °C).
- Preliminary figures: precipitation comes from CPC and will be updated with the final product.

Source: NOAA CPC / PSL

Mean temperature

26.6 °C

+2.1 °C vs. normal (normal 24.5)

Extremely above normal

2nd warmest of 48 (1979–2026)

Maximum temperature

33.0 °C

+3.3 °C vs. normal (normal 29.7)

Extremely above normal

2nd warmest of 48 (1979–2026)

Minimum temperature

20.3 °C

+0.9 °C vs. normal (normal 19.4)

Slightly above normal

3rd warmest of 48 (1979–2026) (tied with 2003)

Precipitation

114.6 mm

80% of normal (normal 143.1)

Near normal

8th driest of 48 (1979–2026)

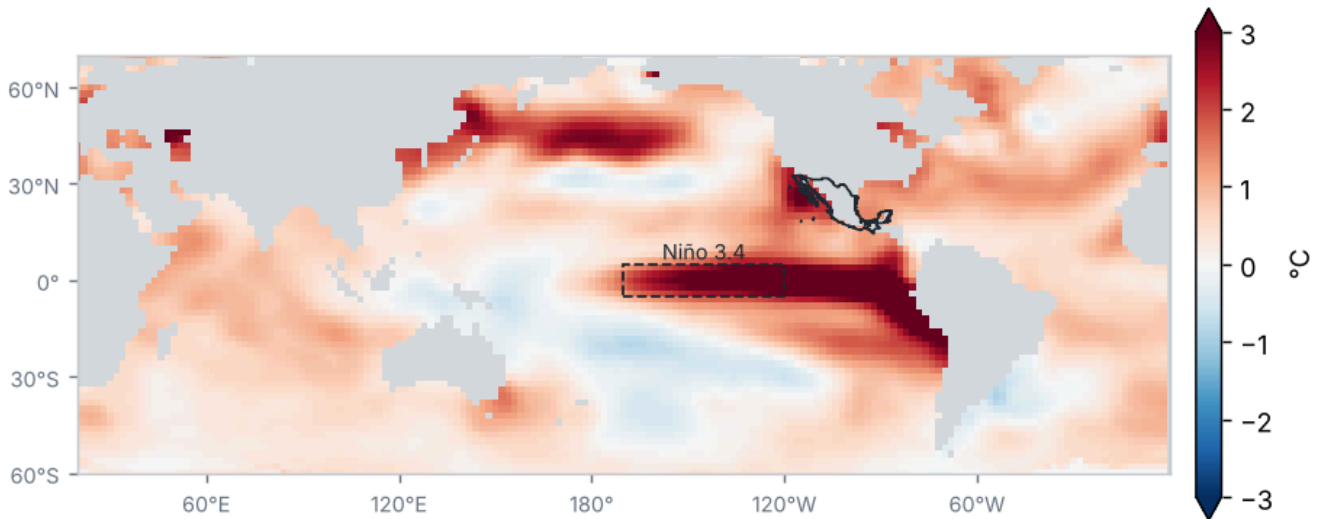
Station records

18

Source: NOAA CPC / PSL

2 Global and regional climate drivers

Sea-surface temperature anomaly, September 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	4.7	0.6
Niño 3	3.6	0.5
Niño 3.4	2.8	0.3
Niño 4	0.9	0.0

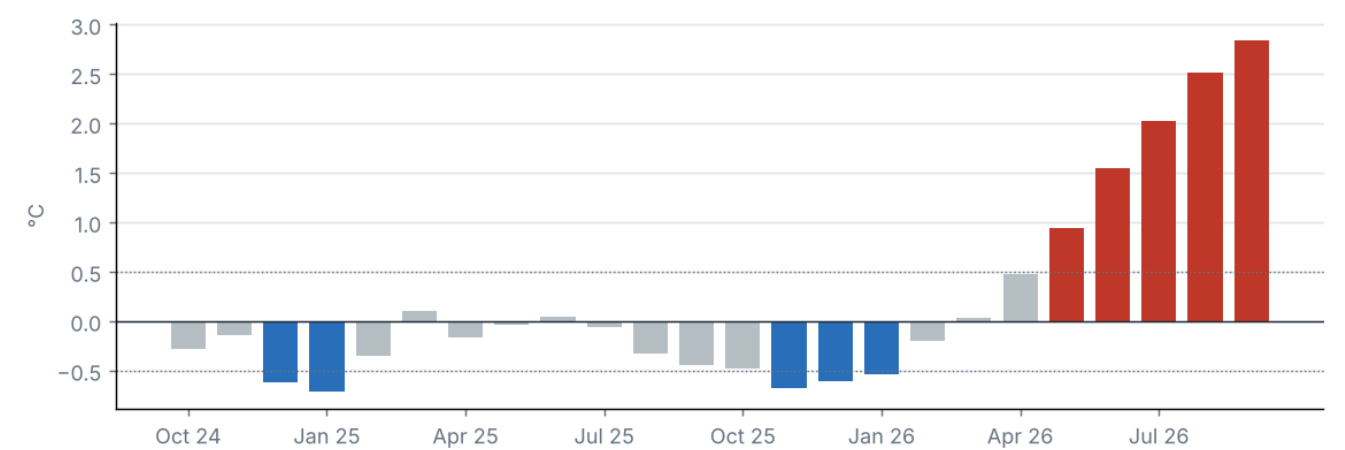
Mean of the months in the period (OISST v2.1)

Source: NOAA CPC

El Niño conditions of very strong intensity: the Oceanic Niño Index (ONI) for JAS 2026 was +2.2 °C.

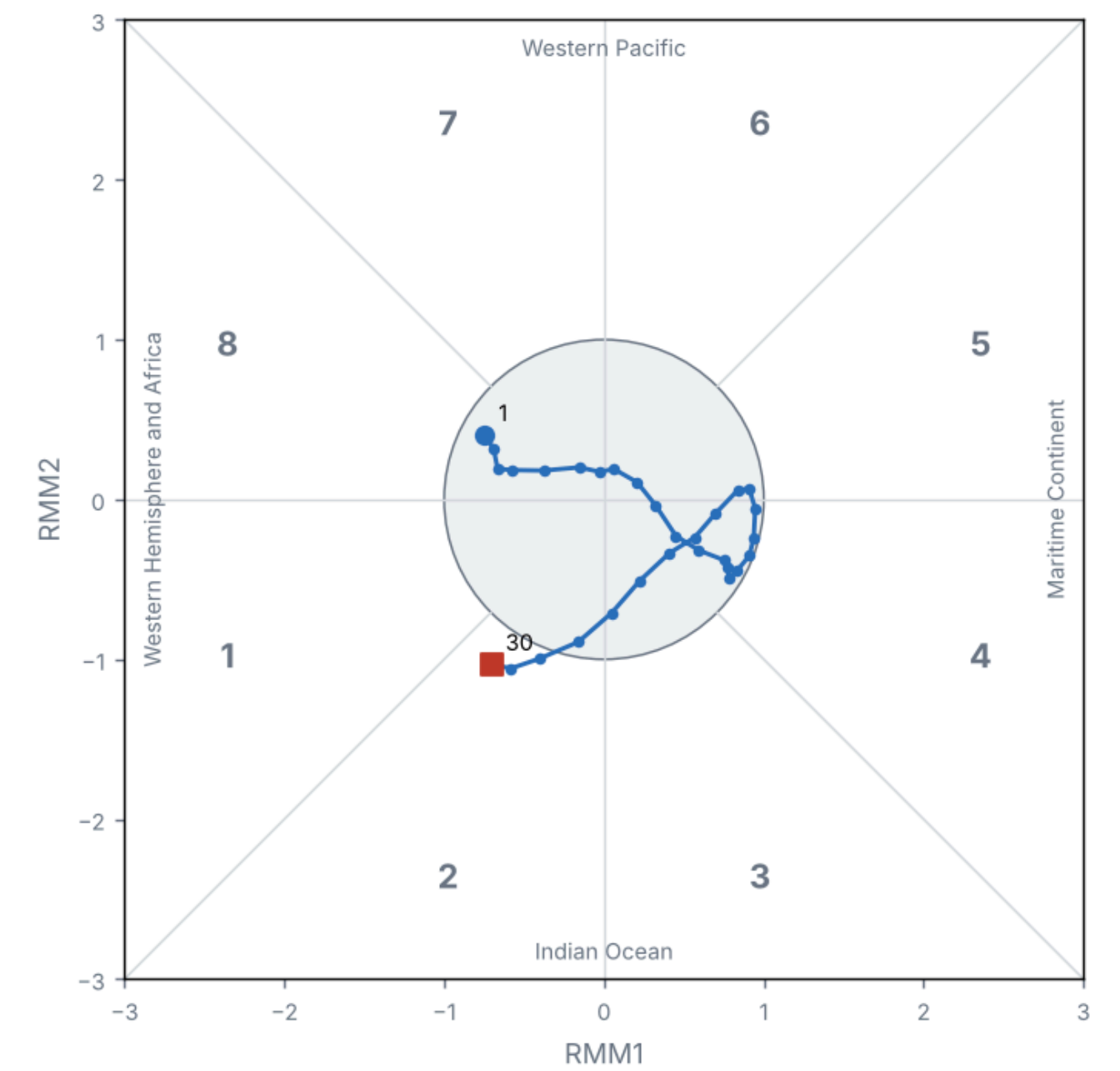
Source: NOAA CPC

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	-1.6	Negative
NAO	0.5	Positive

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

Source: NOAA CPC, NOAA NCEI

The Niño 3.4 anomaly was +2.84 °C (+0.32 °C relative to the preceding period).

The MJO was active on 3 of 30 days, most often in phase 2 (Indian Ocean); mean amplitude 0.7.

Other indices: PDO -1.55 (negative phase); NAO $+0.53$ (positive phase).

3 Precipitation

National precipitation

114.6 mm

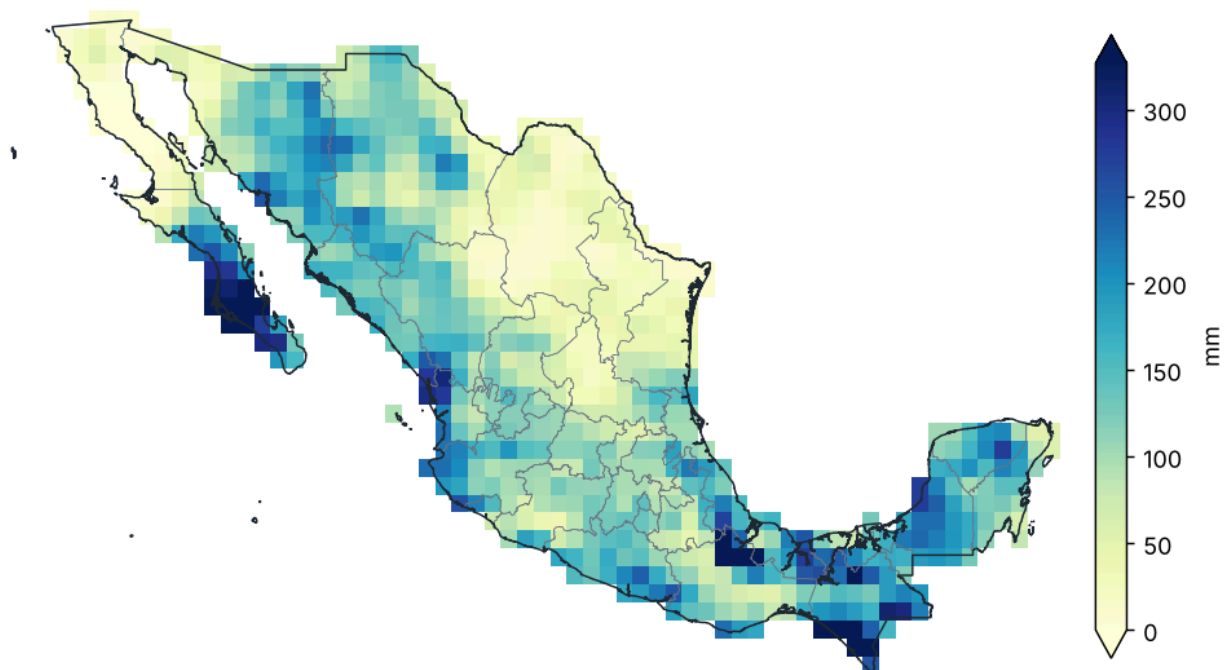
80% of normal (normal
143.1)

Near normal

8th driest of 48 (1979–2026)

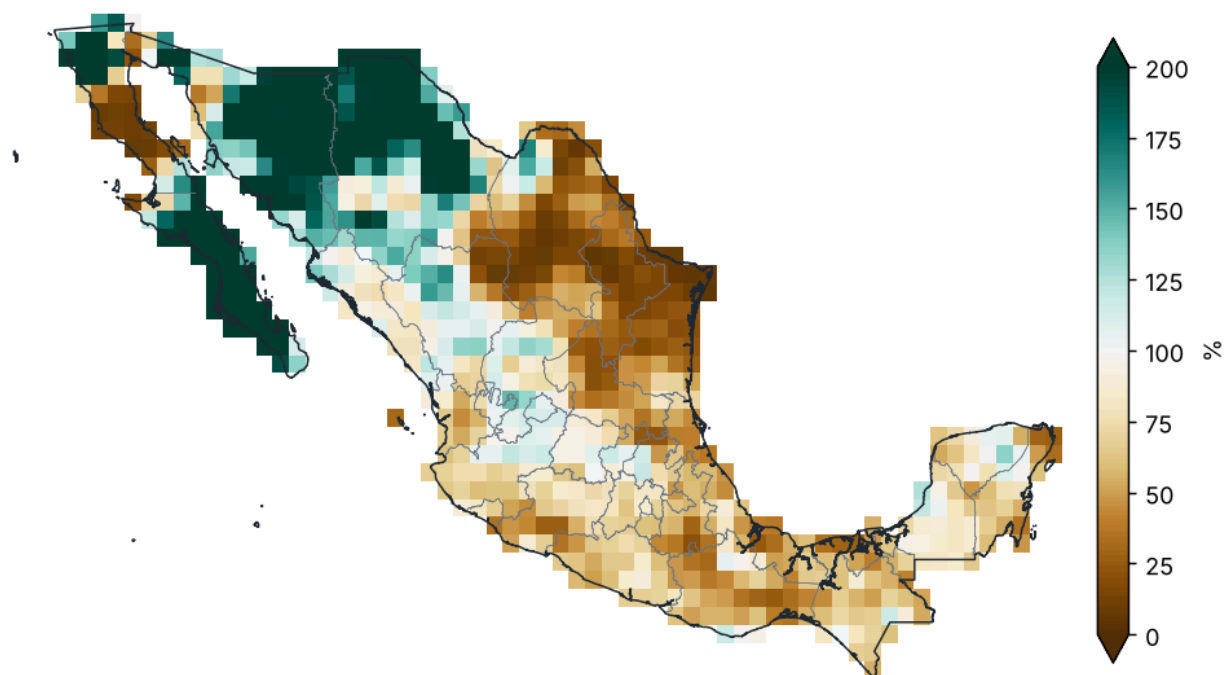
Source: NOAA CPC / PSL

Accumulated precipitation



Source: NOAA CPC / PSL

Percent of normal precipitation (1991–2020)



Source: NOAA CPC / PSL

Percent of normal by state



Source: NOAA CPC / PSL

Precipitation by region

Region	Total (mm)	Normal (mm)	Difference (%)	Category
Northwest	122.1	65.1	87.6	Much above normal
North	86.4	77.9	10.8	Near normal
Northeast	40.9	157.2	-74.0	Much below normal
North-central	72.9	108.1	-32.5	Below normal
West-central	127.2	169.8	-25.1	Below normal
Central	110.0	184.3	-40.3	Below normal
South	176.2	278.7	-36.8	Below normal
East	166.3	315.3	-47.3	Below normal
Yucatán Peninsula	164.7	210.2	-21.6	Below normal

Source: NOAA CPC / PSL

Stations with the largest precipitation excess

Region	State	Station	Altitude (m)	Anomaly (%)
Northwest	Baja California Sur	La Paz (City)	18.0	488.2
North	Coahuila	Saltillo	1790.0	376.1
Northwest	Baja California Sur	Ciudad Constitucion	48.0	299.2
North	Chihuahua	Hidalgo Del Parral	1661.0	127.0
East	Veracruz	Jalapa	1389.0	109.5
Northeast	Tamaulipas	Ciudad Victoria	355.0	93.3

Region	State	Station	Altitude (m)	Anomaly (%)
South	Chiapas	Comitan	1646.0	75.8
North-central	San Luis Potosí	Rio Verde	983.0	51.7
Central	Estado de México	Toluca (Obs)	2726.0	37.9
Central	Tlaxcala	Tlaxcala De Xicontecatl (Dge)	2230.0	24.5

Source: NOAA NCEI

Stations with the largest precipitation deficit

Region	State	Station	Altitude (m)	Anomaly (%)
Northwest	Baja California	Ejido Nuevo Leon (Obs)	11.0	-90.0
Yucatán Peninsula	Yucatán	Progreso	2.0	-72.4
South	Chiapas	Tapachula	118.0	-58.3
East	Veracruz	Hacienda Ylang Ylang Veracruz	16.0	-17.8

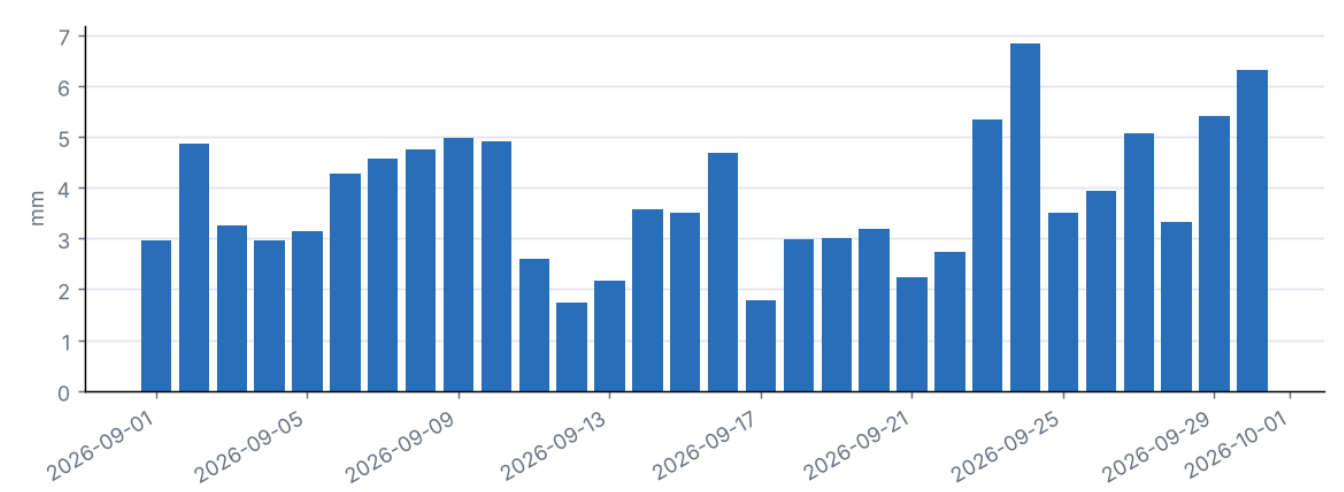
Source: NOAA NCEI

Largest 24-hour rainfall at stations

Station	State	Max 24 h rainfall (mm)	Date
Oaxaca	Oaxaca	175.0	2026-09-10
Tulancingo	Hidalgo	141.0	2026-09-30
Manzanillo	Colima	138.5	2026-09-30
Valladolid	Yucatán	100.7	2026-09-08
Orizaba	Veracruz	99.9	2026-09-06
Tuxpan.Ver.	Veracruz	96.0	2026-09-30
La Paz (City)	Baja California Sur	94.6	2026-09-16
Jalapa	Veracruz	87.4	2026-09-09
Comitan	Chiapas	77.3	2026-09-05
Toluca (Obs)	Estado de México	70.3	2026-09-10

Source: NOAA NCEI

Daily national mean precipitation



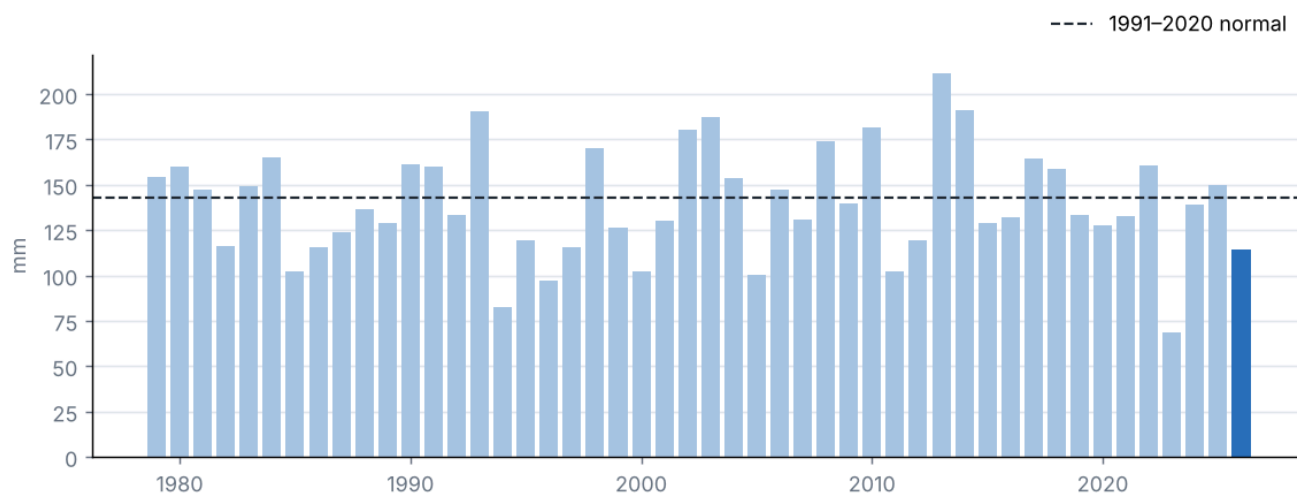
Source: NOAA CPC / PSL

Daily national mean and grid-cell maximum

Day	National mean (mm)	Grid maximum (mm)	State
2026-09-01	3.0	30.5	Michoacán
2026-09-02	4.9	93.1	Baja California Sur
2026-09-03	3.3	49.6	—
2026-09-04	3.0	40.1	Oaxaca
2026-09-05	3.2	36.5	Guerrero
2026-09-06	4.3	42.3	Sonora
2026-09-07	4.6	66.6	Baja California Sur
2026-09-08	4.8	54.2	Baja California Sur
2026-09-09	5.0	51.6	Veracruz
2026-09-10	4.9	79.2	Oaxaca
2026-09-11	2.6	46.0	Sinaloa
2026-09-12	1.7	42.1	Baja California Sur
2026-09-13	2.2	26.6	Michoacán
2026-09-14	3.6	47.4	Guerrero
2026-09-15	3.5	47.7	—
2026-09-16	4.7	146.7	Chihuahua
2026-09-17	1.8	46.3	Veracruz
2026-09-18	3.0	59.6	Campeche
2026-09-19	3.0	34.0	Chiapas
2026-09-20	3.2	65.8	Quintana Roo
2026-09-21	2.2	49.9	Jalisco
2026-09-22	2.7	54.6	Chihuahua
2026-09-23	5.3	70.1	Chihuahua
2026-09-24	6.8	66.5	Oaxaca
2026-09-25	3.5	42.4	Veracruz
2026-09-26	3.9	93.6	Tamaulipas
2026-09-27	5.1	143.8	Nayarit
2026-09-28	3.3	46.9	Chiapas
2026-09-29	5.4	97.6	Baja California Sur
2026-09-30	6.3	92.6	Sonora

Source: NOAA CPC / PSL

National precipitation in September of each year



Source: NOAA CPC / PSL

National accumulated precipitation was 114.6 mm, 80% of the 1991–2020 average (143.1 mm), category “Near normal”. It was the 8th driest September in the 1979–2026 series.

The region with the highest percentage of normal was Northwest (188%) and the lowest was Northeast (26%).

The largest daily grid-cell total was estimated on 16 September in Chihuahua (146.7 mm).

Source: NOAA CPC / PSL

4 Temperature

Mean temperature

26.6 °C

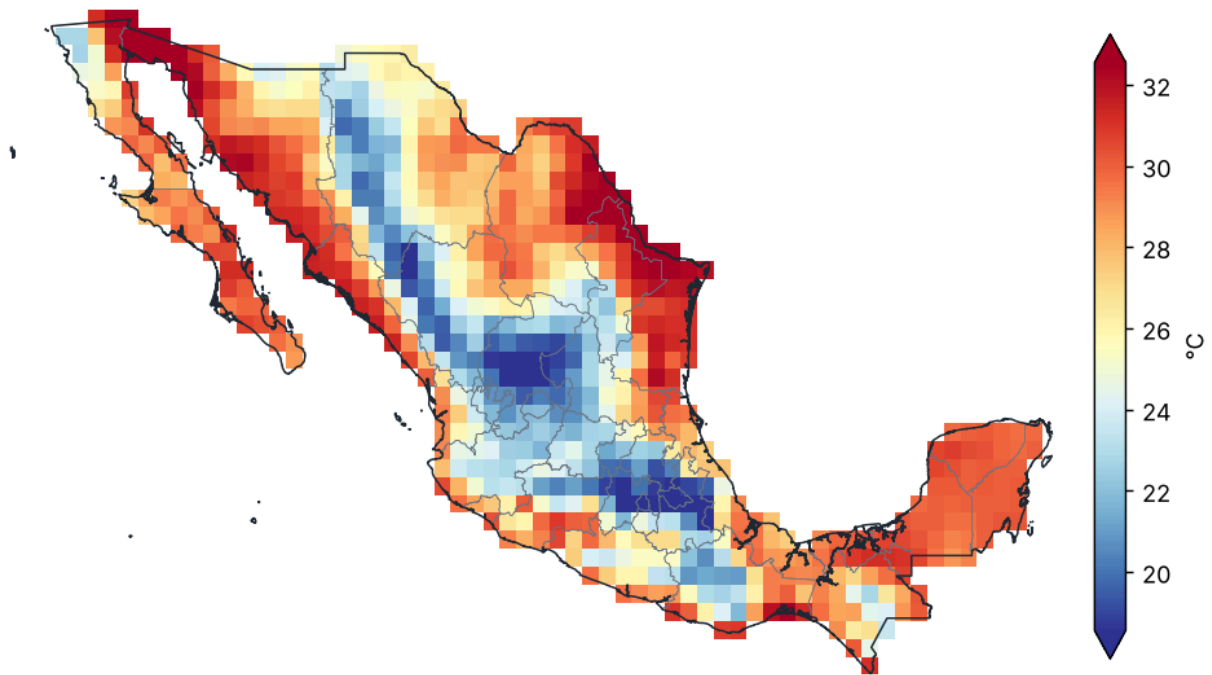
+2.1 °C vs. normal (normal 24.5)

Extremely above normal

2nd warmest of 48 (1979–2026)

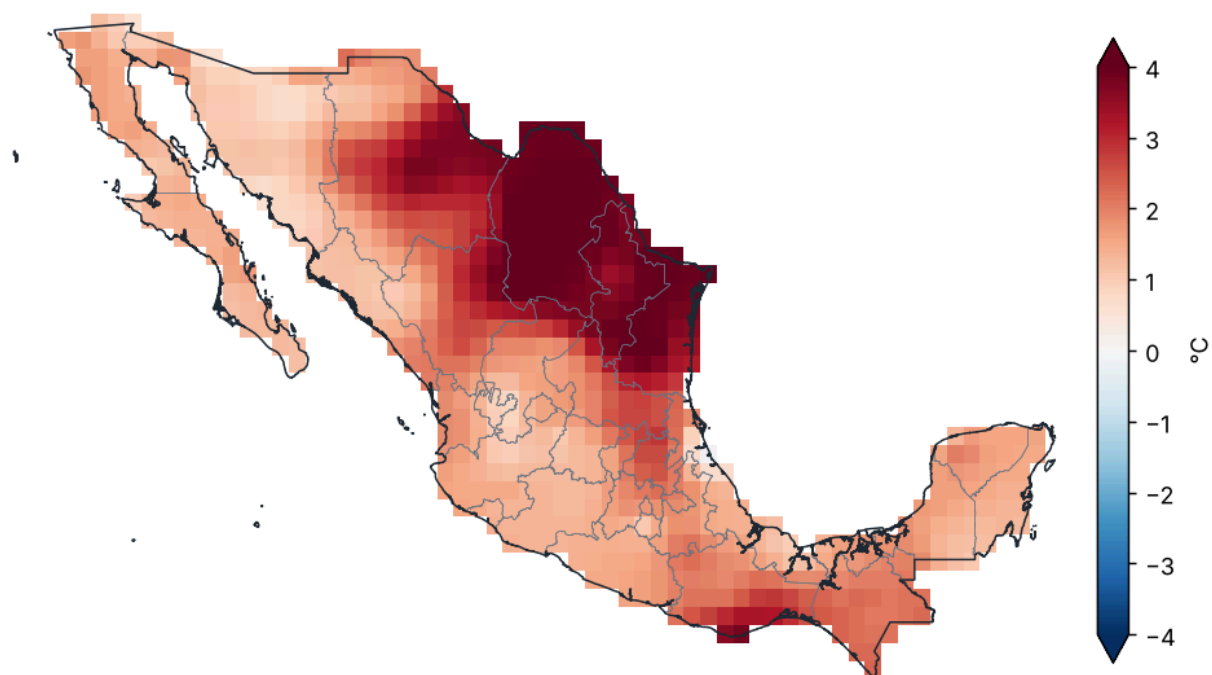
Source: NOAA CPC / PSL

Mean temperature



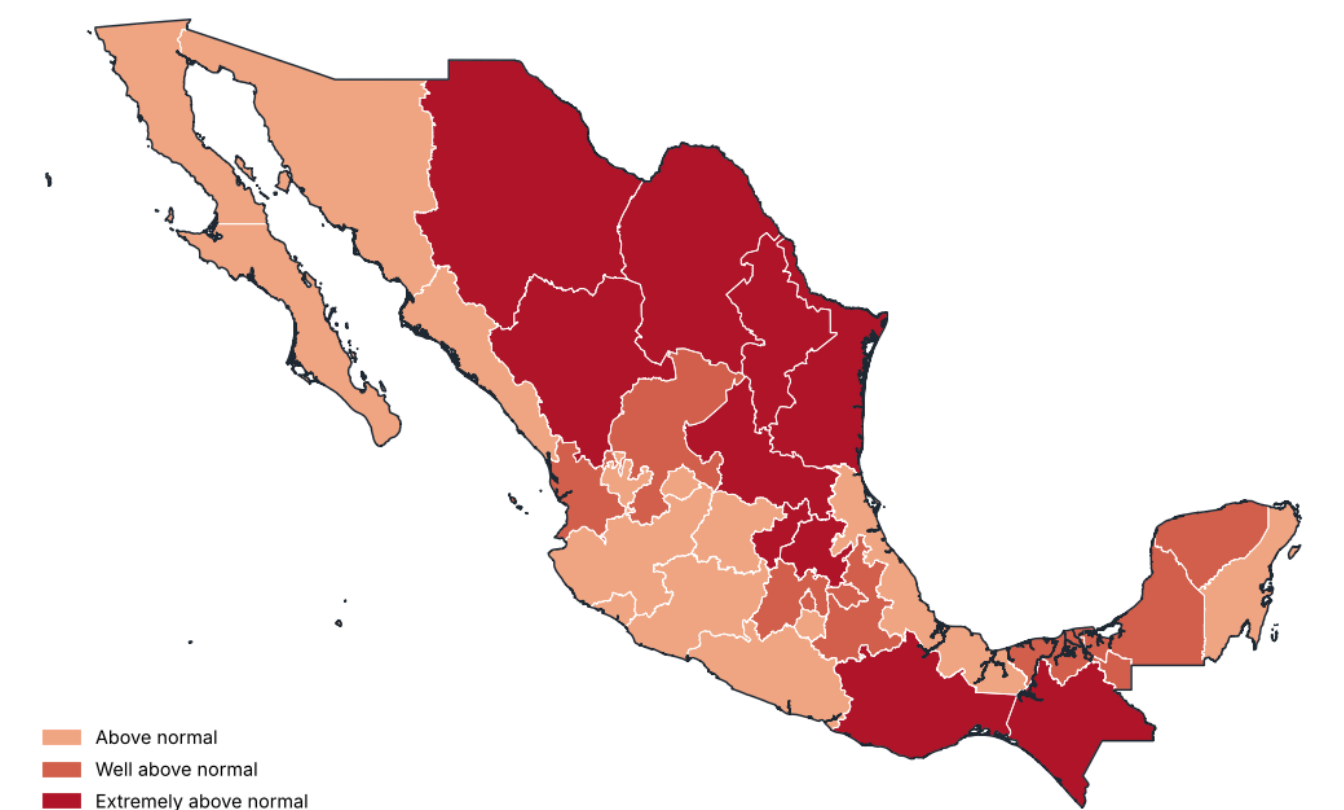
Source: NOAA CPC / PSL

Mean temperature anomaly (1991–2020)



Source: NOAA CPC / PSL

Mean temperature anomaly by state



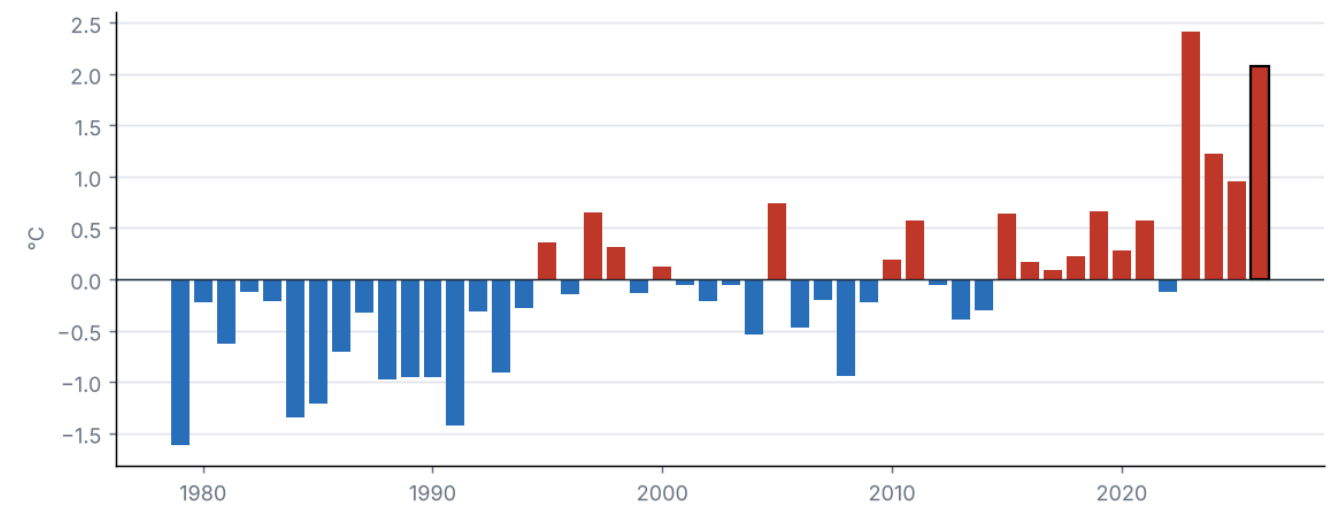
Source: NOAA CPC / PSL

Stations with the largest positive anomaly

Region	State	Station	Altitude (m)	Anomaly (°C)
Northwest	Sinaloa	Colonia Juan Carras	4.0	0.6

Source: NOAA NCEI

National mean temperature anomaly in September of each year



Source: NOAA CPC / PSL

The national mean temperature was 26.6 °C, 2.1 °C above the 1991–2020 average (24.5 °C), category “Extremely above normal”. It was the 2nd warmest September in the 1979–2026 series.

By region, the largest anomaly was in Northeast (+3.7 °C) and the smallest in Northwest (+1.2 °C).

Source: NOAA CPC / PSL

Maximum temperature

33.0 °C

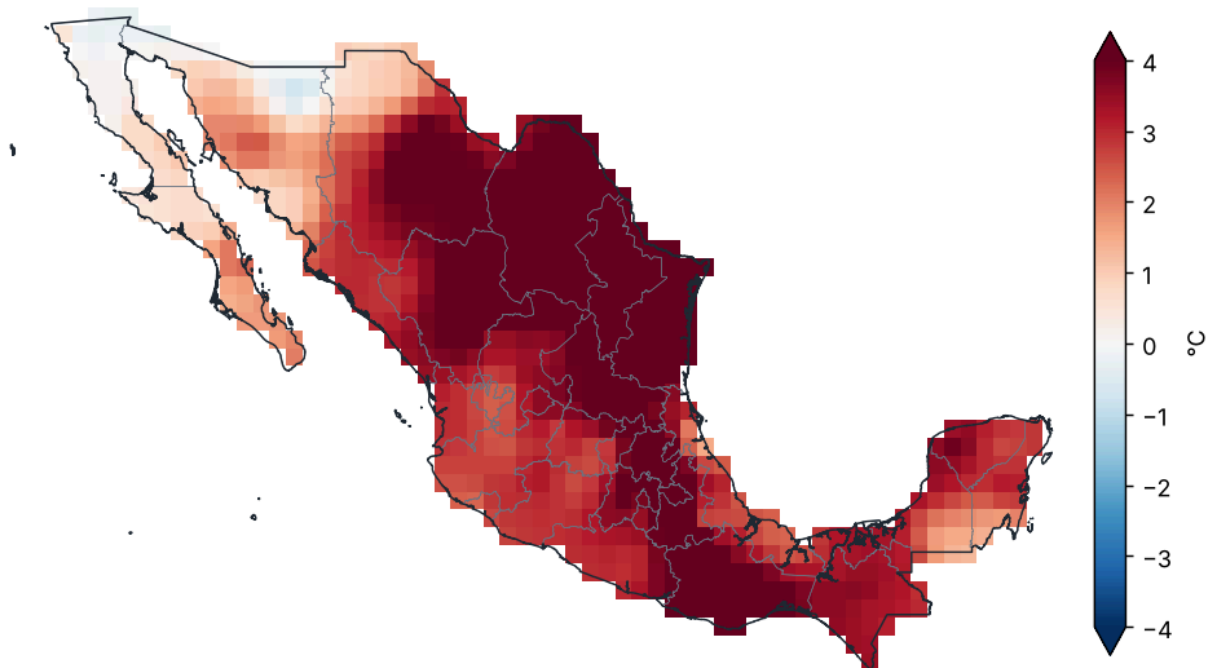
+3.3 °C vs. normal (normal 29.7)

Extremely above normal

2nd warmest of 48 (1979–2026)

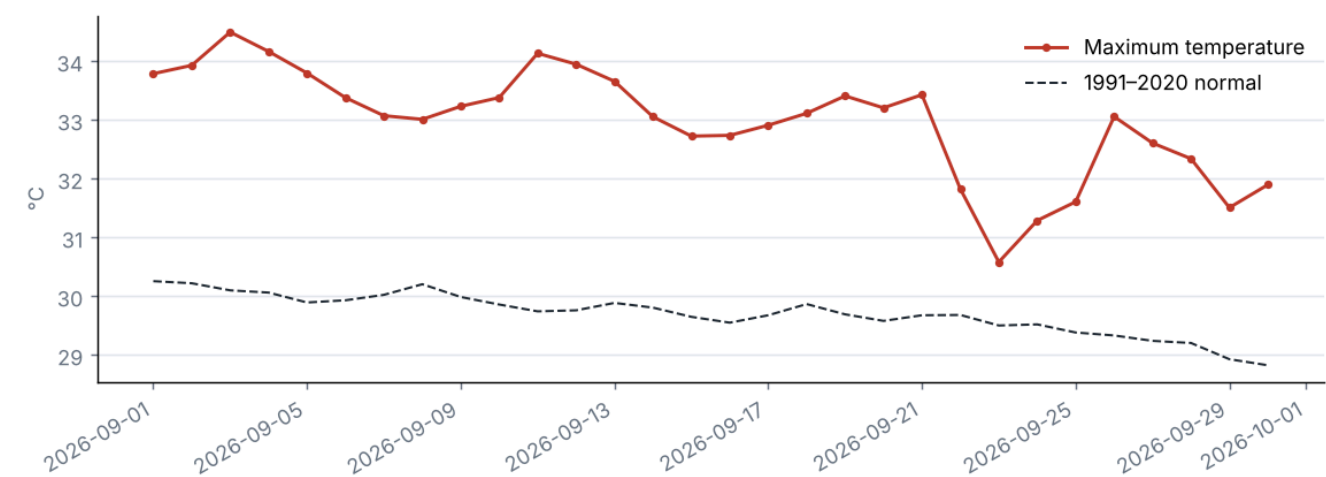
Source: NOAA CPC / PSL

Maximum temperature anomaly (1991–2020)



Source: NOAA CPC / PSL

Daily national maximum temperature



Source: NOAA CPC / PSL

The national maximum temperature was 33.0 °C, 3.3 °C above the 1991–2020 average (29.7 °C), category “Extremely above normal”. It was the 2nd warmest September in the 1979–2026 series.

By region, the largest anomaly was in Northeast (+5.5 °C) and the smallest in Northwest (+1.3 °C).

Source: NOAA CPC / PSL

Minimum temperature

20.3 °C

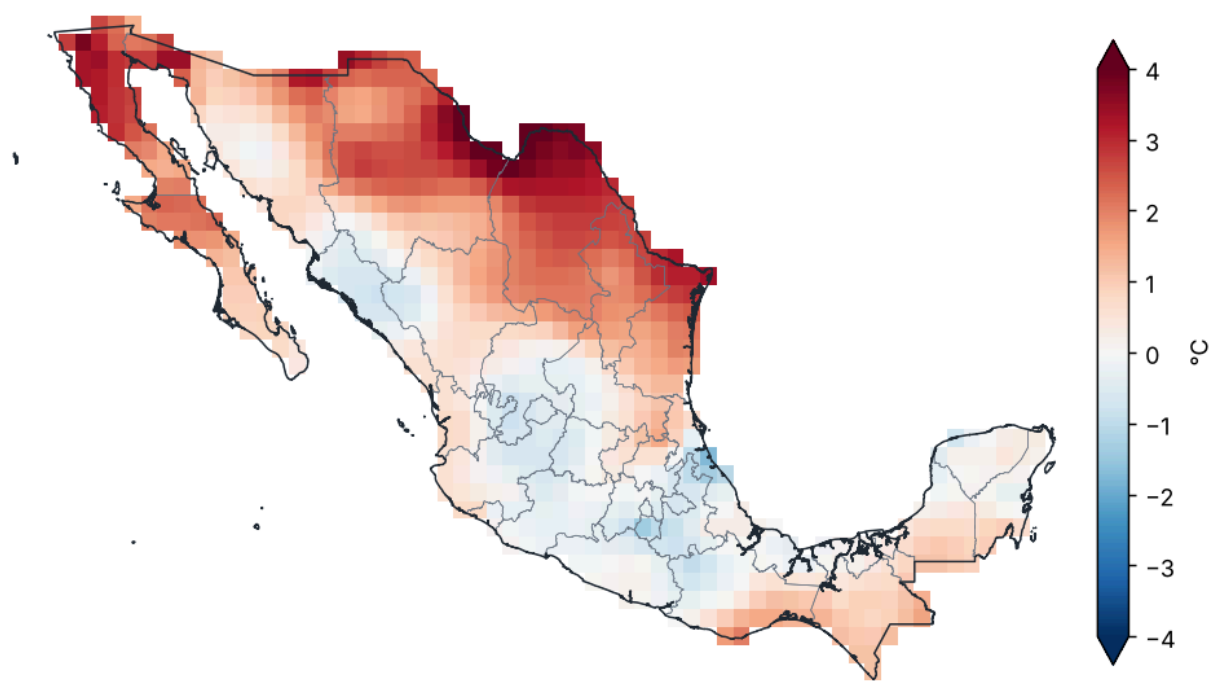
+0.9 °C vs. normal (normal 19.4)

Slightly above normal

3rd warmest of 48 (1979–2026) (tied with 2003)

Source: NOAA CPC / PSL

Minimum temperature anomaly (1991–2020)



Source: NOAA CPC / PSL

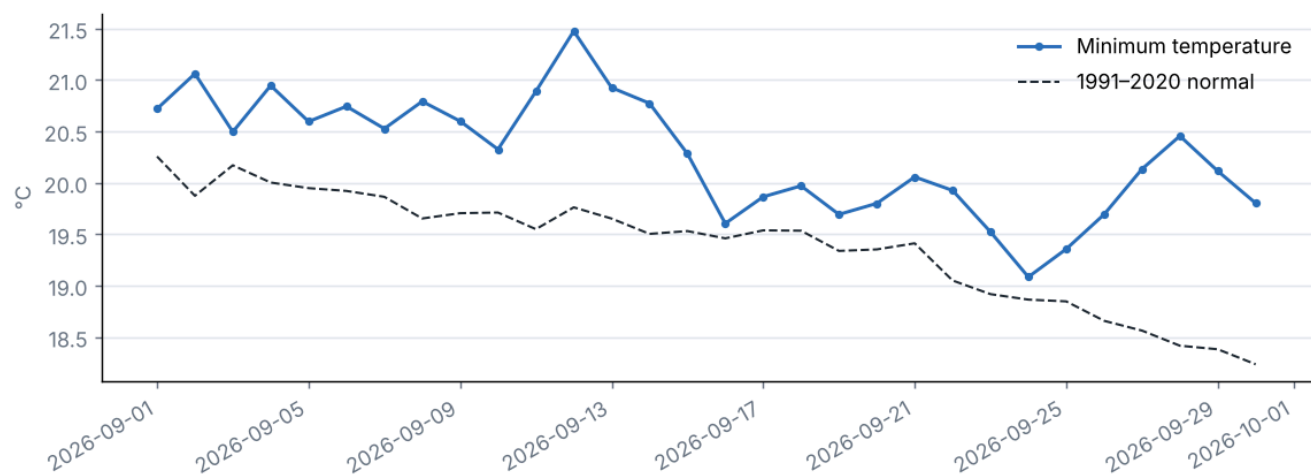
Lowest and highest monthly mean minimum temperature by region

Region	Lowest value (°C)	Station	Highest value (°C)	Station
Yucatán Peninsula	24.5	Valladolid, Yuc.	25.4	Progreso, Yuc.

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

Source: NOAA NCEI

Daily national minimum temperature



Source: NOAA CPC / PSL

The national minimum temperature was 20.3 °C, 0.9 °C above the 1991–2020 average (19.4 °C), category “Slightly above normal”. It was the 3rd warmest September in the 1979–2026 series (tied with 2003).

By region, the largest anomaly was in Northeast (+2.0 °C) and the smallest in Central (−0.2 °C).

Source: NOAA CPC / PSL

5 Climate extremes and records

Highest maximum temperature
41.8 °C
Ciudad Constitucion, B.C.S. · 2026-09-03

Lowest minimum temperature
11.2 °C
Jalapa, Ver. · 2026-09-17

Highest 24 h rainfall
175.0 mm
Oaxaca, Oax. · 2026-09-10

Source: NOAA NCEI

Highest maximum temperature by state

State	Station	Temperature (°C)	Date
Baja California	San Felipe Bcn	37.7	2026-09-27
Baja California Sur	Ciudad Constitucion	41.8	2026-09-03
Chiapas	Comitan	33.9	2026-09-14
Chihuahua	Temosachi (Obs)	36.0	2026-09-06
Coahuila	Saltillo	39.8	2026-09-14
Colima	Manzanillo	36.6	2026-09-23
Durango	Durango	39.0	2026-09-04
Jalisco	Ciudad Guzman	38.1	2026-09-04
Michoacán	Zamora	37.9	2026-09-09
San Luis Potosí	Río Verde	39.5	2026-09-21
Sinaloa	Colonia Juan Carras	38.4	2026-09-05
Sonora	Puerto Penasco	35.0	2026-09-23
Tamaulipas	Tampico	39.0	2026-09-02
Tlaxcala	Tlaxcala De Xicontecatli (Dge)	34.8	2026-09-30
Veracruz	Tuxpan.Ver.	38.4	2026-09-18
Yucatán	Valladolid	37.6	2026-09-03

Source: NOAA NCEI

Lowest minimum temperature by state

State	Station	Temperature (°C)	Date
Baja California	San Felipe Bcn	22.1	2026-09-30
Baja California Sur	La Paz (City)	17.7	2026-09-27
Chiapas	Comitan	11.4	2026-09-22
Chihuahua	Temosachi (Obs)	16.0	2026-09-03
Colima	Manzanillo	19.2	2026-09-22

State	Station	Temperature (°C)	Date
Guerrero	Chilpancingo Ro.	12.0	2026-09-02
Jalisco	Ciudad Guzman	15.4	2026-09-02
Michoacán	Zamora	12.1	2026-09-02
Oaxaca	Oaxaca	12.6	2026-09-28
Sinaloa	Choix	14.0	2026-09-23
Sonora	Puerto Penasco	24.6	2026-09-22
Tamaulipas	Tampico	15.8	2026-09-17
Veracruz	Jalapa	11.2	2026-09-17
Yucatán	Valladolid	22.1	2026-09-20

Source: NOAA NCEI

Station records broken

Station	State	Variable	New value	Date	Previous record	Previous date
Saltillo	Coahuila	Highest maximum temperature	39.8	2026-09-14	38.5	1950-09-20
Durango	Durango	Highest maximum temperature	39.0	2026-09-04	37.4	2023-09-26
Colonia Juan Carras	Sinaloa	Highest maximum temperature	38.4	2026-09-05	36.8	2023-09-05
Colonia Juan Carras	Sinaloa	Lowest minimum temperature	17.2	2026-09-05	19.0	1983-09-23
Tampico	Tamaulipas	Lowest minimum temperature	15.8	2026-09-17	17.0	2020-09-30
Guadalajara	Jalisco	Highest maximum temperature	35.8	2026-09-04	32.7	2023-09-13
Tulancingo	Hidalgo	Highest 24 h rainfall	141.0	2026-09-30	86.1	2007-09-28
Tuxpan.Ver.	Veracruz	Lowest minimum temperature	16.0	2026-09-07	16.8	2020-09-29
Manzanillo	Colima	Lowest minimum temperature	19.2	2026-09-22	20.7	1984-09-13
Ciudad Guzman	Jalisco	Highest maximum temperature	38.1	2026-09-04	37.0	2024-09-25
Zamora	Michoacán	Highest maximum temperature	37.9	2026-09-09	36.5	1968-09-10
Tlaxcala De Xicontecatl (Dge)	Tlaxcala	Highest maximum temperature	34.8	2026-09-30	29.6	2006-09-24
Jalapa	Veracruz	Highest maximum temperature	34.0	2026-09-21	31.4	2020-09-02
Orizaba	Veracruz	Highest maximum temperature	32.7	2026-09-07	31.1	2020-09-01
Coatzacoalcos	Veracruz	Lowest minimum temperature	17.3	2026-09-19	17.8	2014-09-14
Oaxaca	Oaxaca	Highest 24 h rainfall	175.0	2026-09-10	171.7	2017-09-19
Sn. Cristobal Las Casas	Chiapas	Highest maximum temperature	33.0	2026-09-16	32.8	1984-09-29
Comitan	Chiapas	Highest maximum temperature	33.9	2026-09-14	32.4	1992-09-01

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)	64.2	10.0	54.2	%
TN90p	Warm nights (Tmin > 90th percentile)	21.5	10.0	11.5	%
TX10p	Cool days (Tmax < 10th percentile)	1.3	10.0	-8.7	%
TN10p	Cold nights (Tmin < 10th percentile)	2.5	10.0	-7.5	%
FD	Frost days (Tmin < 0 °C)	0.0	0.0	-0.0	d
SU	Summer days (Tmax > 25 °C)	28.9	24.8	4.1	d
TR	Tropical nights (Tmin > 20 °C)	16.7	14.5	2.3	d
WSDI	Warm spell days (≥ 6 days)	12.3	—	—	d
CSDI	Cold spell days (≥ 6 days)	0.0	—	—	d
Rx1day	Maximum 1-day precipitation	26.1	32.9	-6.8	mm

Index	Description	Value	Normal	Difference	Unit
Rx5day	Maximum 5-day precipitation	47.2	64.4	-17.2	mm
CDD	Consecutive dry days (< 1 mm)	7.7	8.3	-0.6	d
CWD	Consecutive wet days (≥ 1 mm)	5.2	5.9	-0.6	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

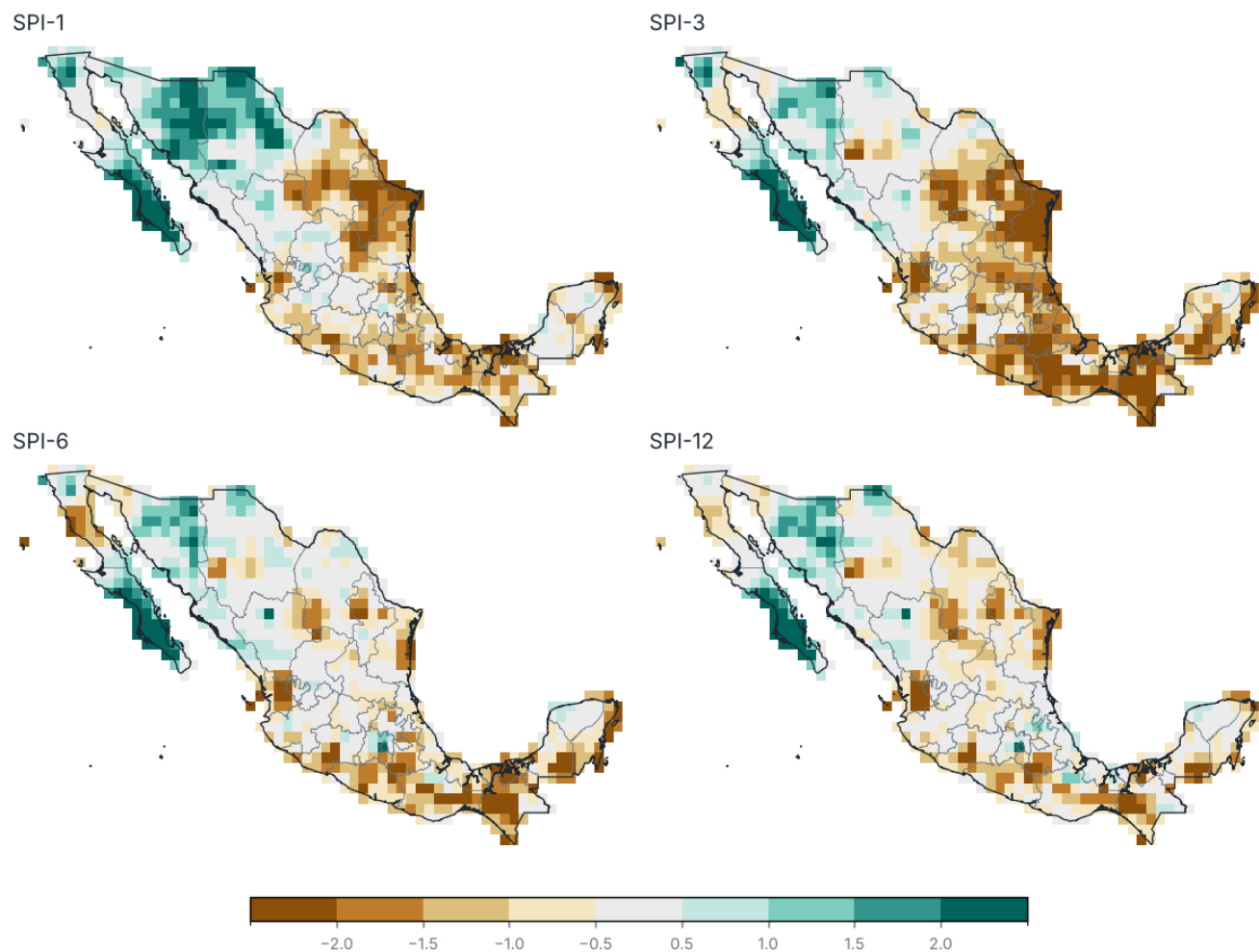
Dates	Type	Details
2026-09-01 – 2026-09-22	Heat wave	Up to 81% of the country above the 90th percentile of Tmax. Regions: North, Northeast, North-central, West-central, Central, South, East and Yucatán Peninsula.
2026-09-26 – 2026-09-30	Heat wave	Up to 74% of the country above the 90th percentile of Tmax. Regions: 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

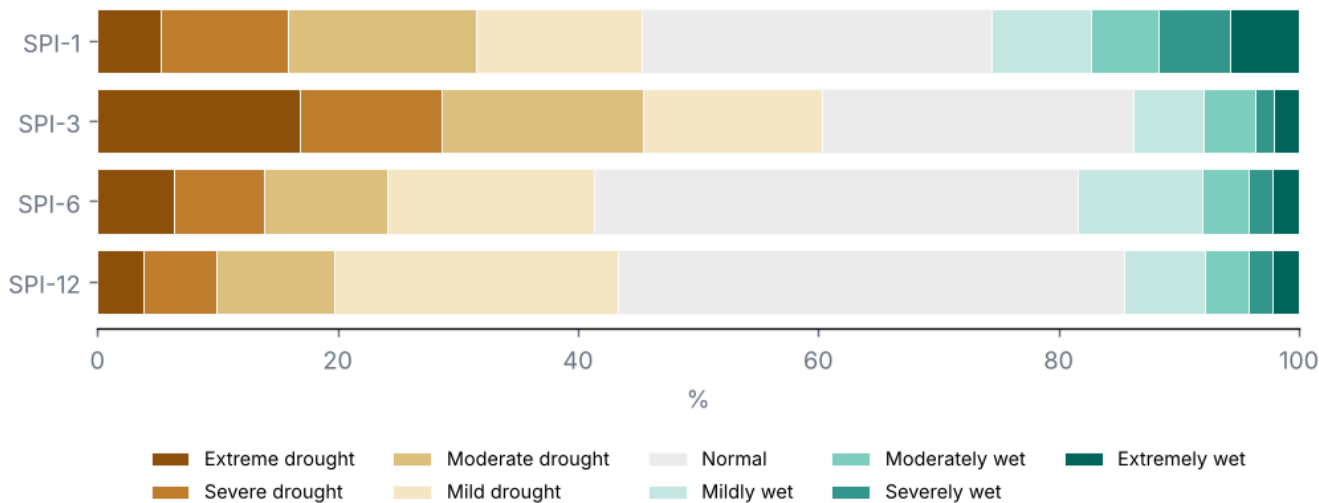
Standardized Precipitation Index (SPI) ending September 2026



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

Source: NOAA CPC / PSL

Share of the country by SPI category



Source: NOAA CPC / PSL

States with the lowest SPI-3

State	SPI-1	SPI-3	SPI-6	SPI-12	Category
Morelos	-1.1	-2.4	-1.3	-1.0	Extreme drought
Tamaulipas	-1.6	-2.3	-0.6	-0.8	Extreme drought
Tabasco	-1.9	-2.1	-1.9	-1.1	Extreme drought
Puebla	-1.4	-2.0	-1.3	-0.8	Extreme drought
Chiapas	-1.1	-2.0	-1.7	-1.0	Severe drought
Nuevo León	-1.9	-1.9	-0.6	-0.9	Severe drought
Tlaxcala	-1.4	-1.9	-0.7	-0.3	Severe drought
Oaxaca	-1.1	-1.8	-1.2	-0.7	Severe drought
Nayarit	-1.1	-1.7	-1.6	-1.5	Severe drought
Guerrero	-1.1	-1.6	-1.3	-1.1	Severe drought

Source: NOAA CPC / PSL

SPI-3 (Jul-Sep 2026): national mean -0.78; 45% of the country in drought ($SPI \leq -1.0$) and 29% in severe or extreme drought.

Most affected states: Morelos (-2.40), Tamaulipas (-2.26) and Tabasco (-2.15).

SPI-1 (September 2026): 32% of the country in drought.

SPI-6 (Apr-Sep 2026): 24% of the country in drought.

SPI-12 (Oct 2025-Sep 2026): 20% 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
Marie	Eastern North Pacific	Category 2 hurricane	157	2026-08-29	2026-09-08	71	—	—
Norbert	Eastern North Pacific	Tropical storm	102	2026-09-07	2026-09-15	265	—	—
Polo	Eastern North Pacific	Category 5 hurricane	287	2026-09-17	2026-09-30	0	Baja California Sur	Category 2 hurricane
Rachel	Eastern North Pacific	Category 3 hurricane	194	2026-09-25	2026-10-08	293	—	—

Source: NOAA NCEI

Notable events

Dates	Type	Area	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.
2026-09-10	Heavy rain	Oaxaca, Oax.	175.0 mm in 24 hours.

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

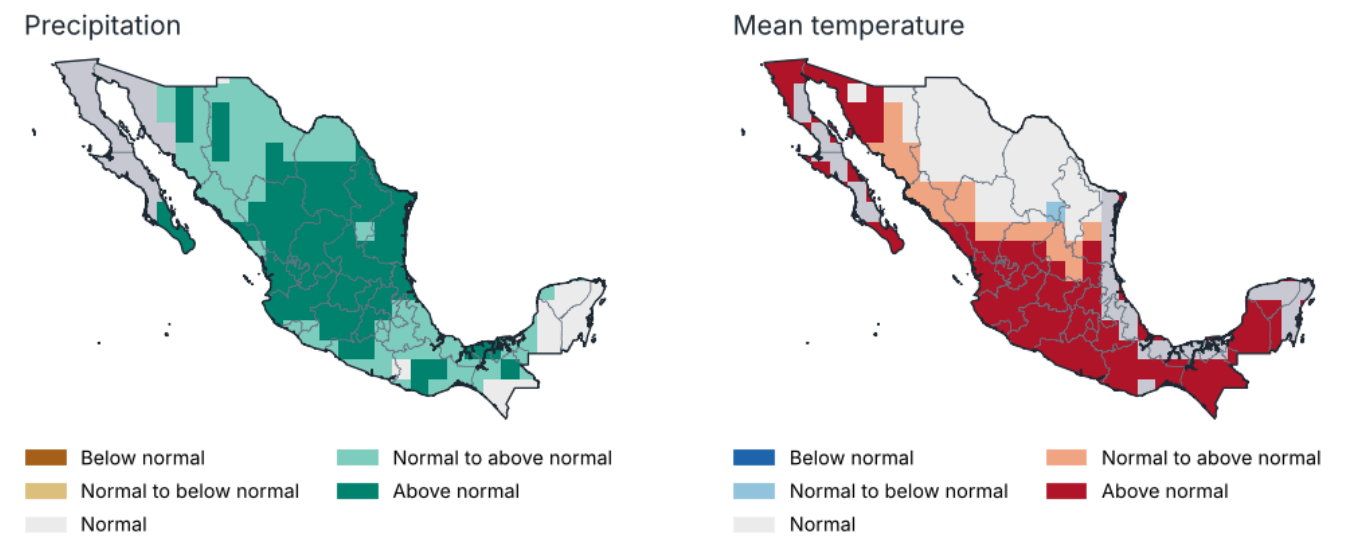
Source: GDACS, NOAA NCEI

Tropical cyclones within 300 km of the country: 4 (Marie, Norbert, Polo and Rachel).

Landfalls: Polo in Baja California Sur (category 2 hurricane).

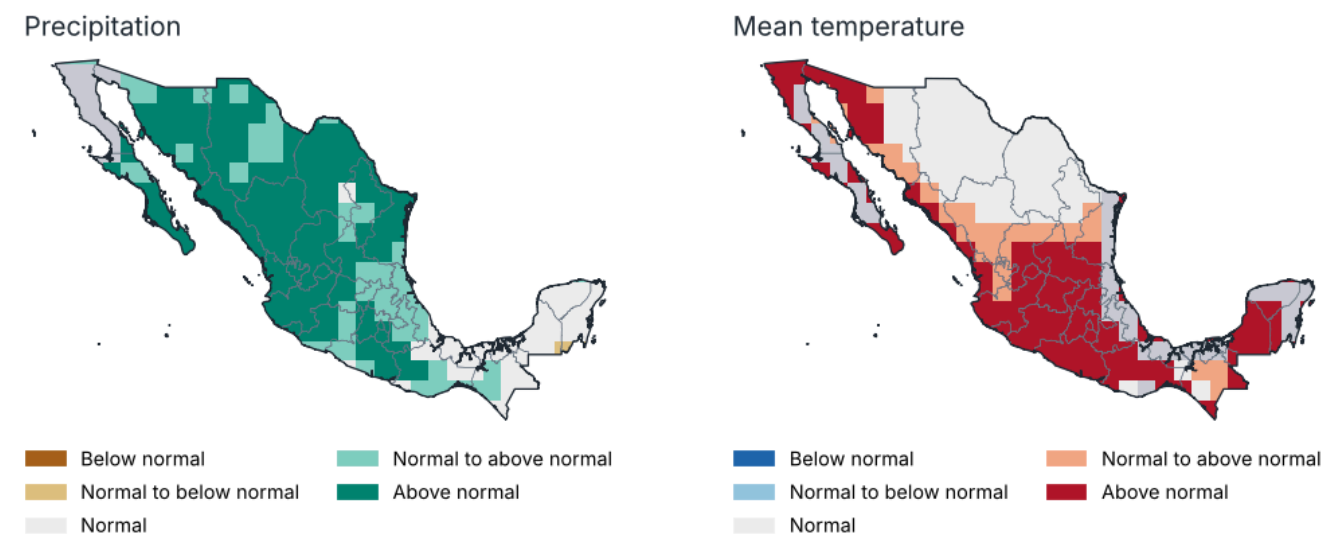
9 Outlook

Outlook for October 2026: most likely tercile



Source: NOAA CPC

Outlook for Oct–Dec 2026: most likely tercile



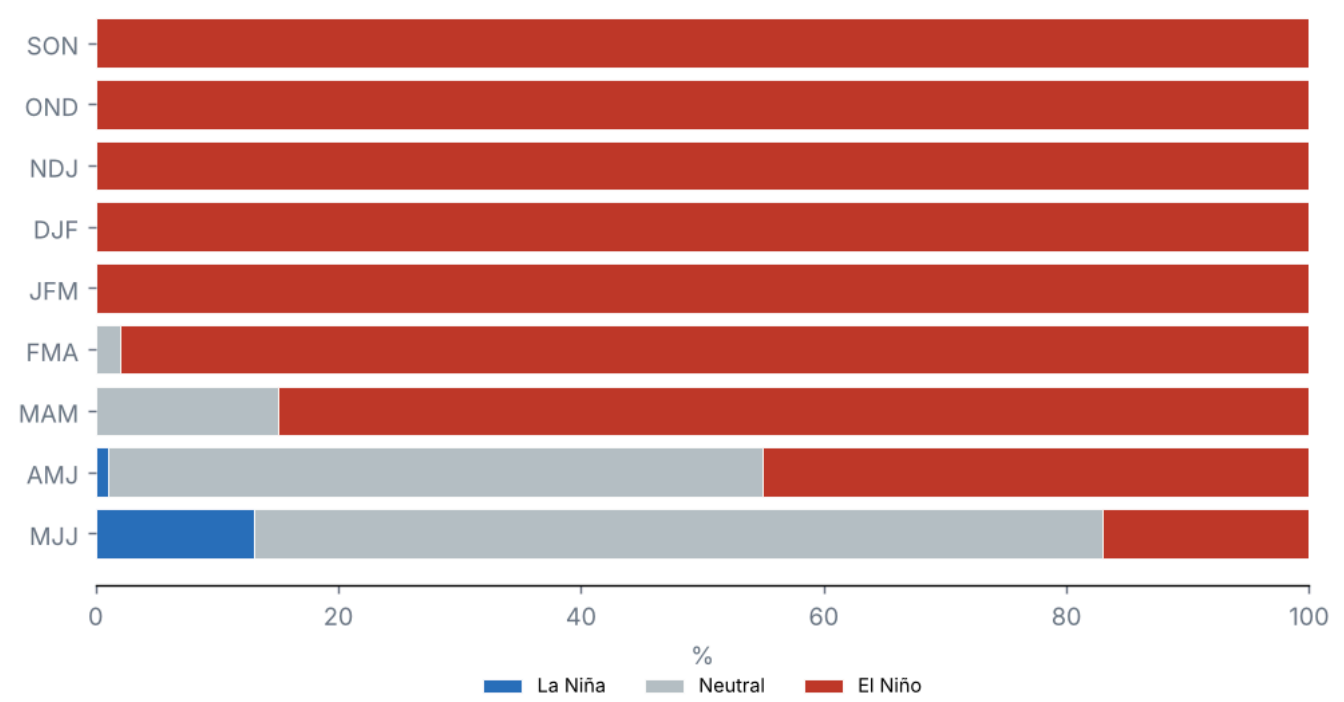
Source: NOAA CPC

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

Region	Precipitation: below	Precipitation: normal	Precipitation: above	Temp.: below	Temp.: normal	Temp.: above
Northwest	16.0	31.0	53.0	18.0	29.0	53.0
North	14.0	31.0	54.0	30.0	36.0	34.0
Northeast	15.0	32.0	53.0	25.0	34.0	41.0
North-central	11.0	30.0	59.0	18.0	31.0	51.0
West-central	15.0	30.0	55.0	15.0	25.0	60.0
Central	21.0	33.0	46.0	7.0	20.0	72.0
South	23.0	34.0	44.0	16.0	25.0	59.0
East	30.0	32.0	39.0	13.0	20.0	67.0
Yucatán Peninsula	32.0	34.0	33.0	17.0	19.0	64.0

Source: NOAA CPC

ENSO outlook: probability of each phase (%)



Source: NOAA CPC

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

Precipitation, October 2026: above normal is favoured over 91% of the country and below normal over 0%.

Mean temperature, October 2026: above normal is favoured over 66% of the country and below normal over 1%.

Precipitation, Oct–Dec 2026: above normal is favoured over 84% of the country and below normal over 0%.

Mean temperature, Oct–Dec 2026: above normal is favoured over 63% of the country and below normal over 0%.

Probability of El Niño in the official ENSO outlook: SON 100%, OND 100%, NDJ 100% and DJF 100%.

10 Annexes

Report climate regions



Monthly precipitation by state (mm)

State	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Aguascalientes	5.6	0.2	10.1	13.2	7.3	160.3	88.6	70.5	106.6
Baja California	20.2	14.8	3.4	1.4	1.2	0.8	1.5	7.4	13.6
Baja California Sur	24.7	4.1	4.7	0.0	0.2	1.5	13.5	58.0	197.4
Campeche	21.9	6.6	62.8	40.6	98.2	149.8	112.4	153.5	195.7
Chiapas	48.3	21.9	66.5	72.9	100.7	221.3	123.4	95.1	231.2
Chihuahua	24.9	11.5	5.1	4.2	8.2	52.8	79.9	44.0	114.5
Ciudad de México	7.9	2.0	36.4	48.2	120.7	237.7	161.3	175.0	138.8
Coahuila	9.6	1.0	2.8	29.1	37.2	69.6	55.5	9.2	24.8
Colima	17.4	0.0	5.3	1.5	2.1	160.1	109.9	161.2	157.1
Durango	33.2	4.3	4.2	6.0	10.1	85.8	129.2	72.3	105.2
Guanajuato	10.8	0.4	8.2	34.2	29.6	163.0	77.4	60.0	98.5
Guerrero	6.2	6.9	9.3	21.3	42.2	160.4	114.5	106.9	154.7
Hidalgo	11.6	8.7	20.2	39.1	86.8	167.2	77.6	55.5	108.0
Jalisco	14.0	1.0	11.4	9.8	10.1	172.1	168.6	132.8	140.4
Estado de México	16.0	2.8	30.0	51.6	89.7	185.6	122.6	127.0	110.0
Michoacán	10.0	0.4	4.0	17.0	19.8	140.1	146.9	106.1	100.8
Morelos	1.0	2.4	23.0	39.4	60.3	228.7	107.0	79.1	126.3

State	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Nayarit	5.4	0.3	6.0	0.5	1.5	130.8	257.1	125.0	175.4
Nuevo León	7.0	0.1	7.2	73.3	76.7	96.0	35.8	27.6	29.8
Oaxaca	25.0	10.5	25.8	37.3	70.9	230.0	113.2	83.6	148.2
Puebla	14.5	14.3	36.5	54.4	79.9	205.3	111.3	69.1	117.2
Querétaro	7.2	4.9	21.0	22.8	62.3	129.8	71.5	47.4	89.4
Quintana Roo	37.0	15.6	89.9	54.6	101.4	118.5	86.6	70.2	121.8
San Luis Potosí	6.6	1.2	8.0	29.0	64.9	155.4	57.4	34.8	58.9
Sinaloa	34.3	2.5	2.5	0.1	1.9	49.0	221.6	160.2	152.6
Sonora	41.4	5.3	15.8	0.3	3.0	23.0	108.0	69.5	126.7
Tabasco	154.5	29.0	125.5	57.0	81.5	156.7	87.1	123.8	159.5
Tamaulipas	3.9	0.7	4.1	76.8	119.3	147.1	41.2	15.8	50.0
Tlaxcala	9.2	3.5	42.3	65.3	89.7	178.8	103.6	74.7	91.3
Veracruz	73.2	30.9	32.3	65.8	82.0	259.9	163.4	126.5	168.5
Yucatán	20.4	6.2	67.9	46.4	137.0	174.7	117.2	136.4	166.6
Zacatecas	14.3	0.7	5.0	14.5	13.7	113.3	70.6	55.9	84.3

CSV

Source: NOAA CPC / PSL

Monthly maximum temperature by state (°C)

State	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Aguascalientes	22.8	27.4	28.3	31.3	31.9	27.6	27.8	28.7	27.4
Baja California	21.2	23.2	28.1	25.4	27.2	31.6	33.8	34.5	32.7
Baja California Sur	25.5	27.5	30.1	30.1	30.3	33.5	35.9	36.7	34.7
Campeche	28.5	30.1	32.4	35.4	37.0	35.5	35.3	35.6	35.7
Chiapas	27.8	29.1	30.8	33.1	34.5	32.5	32.6	32.9	33.2
Chihuahua	19.1	24.1	29.1	29.3	32.4	35.5	34.1	34.6	32.0
Ciudad de México	21.0	23.8	23.0	25.9	26.2	22.8	23.7	24.2	24.1
Coahuila	20.6	27.7	30.7	30.4	33.5	35.4	34.8	36.9	35.8
Colima	31.1	31.9	32.6	33.6	34.8	33.2	34.2	34.1	33.2
Durango	22.3	27.2	29.4	32.1	32.8	32.9	31.2	32.1	30.9
Guanajuato	25.1	29.2	29.7	32.8	33.5	29.2	29.8	30.3	29.7
Guerrero	32.1	33.7	33.5	35.2	35.8	31.8	33.6	33.4	32.6
Hidalgo	22.2	25.9	26.5	29.6	30.7	28.1	28.3	29.1	28.7
Jalisco	27.4	30.0	30.9	33.2	34.2	30.2	30.4	30.7	29.9
Estado de México	24.1	27.3	26.6	29.3	29.7	25.8	26.5	26.8	26.7
Michoacán	30.8	33.4	33.8	35.8	36.4	31.6	32.2	32.4	31.8
Morelos	29.0	32.3	32.1	34.9	35.0	29.8	31.6	32.3	31.7
Nayarit	28.4	30.3	31.2	33.3	34.5	31.3	31.6	32.6	31.8
Nuevo León	22.4	28.6	31.1	29.1	31.8	33.5	34.9	36.1	35.5
Oaxaca	28.9	30.1	31.4	33.8	34.6	31.2	31.6	32.0	32.2
Puebla	25.9	28.6	28.8	31.2	32.2	28.8	29.4	29.9	29.8
Querétaro	23.4	27.6	28.4	30.9	32.1	28.6	28.8	29.9	29.5
Quintana Roo	29.0	30.2	32.0	33.7	35.1	34.6	35.1	35.5	35.6
San Luis Potosí	23.2	28.2	29.3	31.9	32.8	30.3	30.9	31.8	31.2
Sinaloa	29.1	30.8	32.7	35.1	36.4	36.6	36.6	36.3	35.7
Sonora	23.5	27.1	32.3	31.6	34.3	38.6	37.7	38.3	35.5
Tabasco	27.1	28.7	30.8	34.1	36.0	34.7	35.0	35.0	35.1

State	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Tamaulipas	23.4	29.0	31.9	31.3	33.6	34.4	36.5	37.8	37.3
Tlaxcala	22.7	25.4	24.8	27.3	28.0	24.7	25.5	25.7	25.9
Veracruz	25.2	27.3	29.4	32.3	34.5	33.3	32.8	33.1	32.8
Yucatán	29.7	31.5	33.3	35.7	37.6	36.3	37.0	36.6	36.4
Zacatecas	20.7	25.8	26.7	29.8	30.3	27.8	27.8	28.5	27.2

CSV

Source: NOAA CPC / PSL

Monthly mean temperature by state (°C)

State	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Aguascalientes	14.8	17.6	19.0	21.8	23.6	21.4	21.2	21.4	20.9
Baja California	16.2	17.6	21.8	20.2	21.5	26.0	29.0	29.9	27.8
Baja California Sur	19.7	21.0	23.7	23.8	23.8	27.5	30.0	31.3	29.6
Campeche	22.6	23.3	26.4	29.2	31.0	30.3	29.7	29.8	30.0
Chiapas	22.5	22.7	25.3	27.4	28.8	27.6	27.5	27.9	27.8
Chihuahua	10.5	14.6	18.9	20.5	23.1	27.2	26.5	26.5	25.0
Ciudad de México	12.7	14.4	14.9	17.9	18.4	16.6	17.0	17.3	17.5
Coahuila	12.8	18.4	21.8	23.1	25.8	28.4	28.1	29.5	28.9
Colima	25.2	25.6	25.8	27.2	29.1	28.6	29.0	28.9	28.4
Durango	13.9	17.1	19.4	22.1	23.7	25.2	23.9	24.3	23.7
Guanajuato	16.9	19.3	20.5	23.7	25.1	22.8	22.7	23.0	22.7
Guerrero	24.6	25.5	25.7	27.9	29.0	26.4	27.2	27.1	26.7
Hidalgo	14.9	16.8	18.2	21.5	22.9	21.9	21.5	21.9	21.9
Jalisco	19.4	21.1	21.9	24.1	25.9	24.3	24.2	24.2	24.0
Estado de México	15.2	16.7	17.5	20.5	21.3	19.4	19.3	19.5	19.8
Michoacán	22.0	23.7	24.3	26.7	28.0	25.4	25.4	25.3	25.4
Morelos	19.7	22.1	23.1	26.1	25.9	22.5	23.5	23.9	23.7
Nayarit	21.2	22.2	23.2	25.1	26.8	26.2	26.1	26.5	26.4
Nuevo León	15.0	20.0	22.7	22.9	25.3	27.2	27.8	28.8	28.5
Oaxaca	21.1	21.5	23.6	26.2	27.5	25.5	25.4	25.8	25.9
Puebla	17.2	18.5	19.8	22.6	23.8	22.2	21.9	22.1	22.2
Querétaro	16.4	18.7	20.1	23.2	24.4	22.6	22.4	22.9	22.8
Quintana Roo	23.2	23.5	26.2	28.1	30.2	30.1	29.9	30.1	30.0
San Luis Potosí	15.4	18.3	20.1	23.4	24.6	23.6	23.4	24.2	23.8
Sinaloa	20.9	22.0	24.8	26.3	27.8	30.2	30.3	30.0	29.8
Sonora	16.2	19.2	23.5	23.7	26.4	31.5	31.7	31.9	29.5
Tabasco	23.4	23.9	26.8	29.6	31.4	30.4	30.5	30.5	30.3
Tamaulipas	16.7	20.7	24.0	25.5	27.5	29.1	29.6	30.5	30.5
Tlaxcala	13.2	14.6	15.2	17.8	19.1	18.0	17.7	17.7	18.1
Veracruz	20.5	21.6	24.2	27.0	28.9	28.4	27.9	27.9	27.6
Yucatán	23.3	24.0	26.6	28.6	30.9	30.4	30.4	30.0	30.1
Zacatecas	13.4	16.8	17.9	20.8	22.0	21.0	20.8	21.2	20.5

CSV

Source: NOAA CPC / PSL

Monthly minimum temperature by state (°C)

State	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Aguascalientes	6.8	7.9	9.7	12.4	15.4	15.2	14.5	14.2	14.4
Baja California	11.2	12.1	15.5	15.0	15.7	20.4	24.2	25.3	22.8
Baja California Sur	14.0	14.5	17.2	17.4	17.2	21.5	24.1	25.8	24.6
Campeche	16.7	16.5	20.4	22.9	25.0	25.1	24.1	23.9	24.2
Chiapas	17.1	16.3	19.9	21.7	23.1	22.7	22.4	22.8	22.5
Chihuahua	2.0	5.0	8.6	11.8	13.8	18.8	18.8	18.4	17.9
Ciudad de México	4.5	5.0	6.7	9.9	10.5	10.4	10.3	10.4	10.9
Coahuila	4.9	9.1	12.9	15.9	18.1	21.4	21.5	22.0	22.0
Colima	19.3	19.4	18.9	20.9	23.4	24.0	23.9	23.6	23.7
Durango	5.5	7.1	9.5	12.1	14.6	17.4	16.5	16.4	16.5
Guanajuato	8.6	9.4	11.2	14.7	16.7	16.5	15.5	15.7	15.8
Guerrero	17.2	17.2	17.9	20.5	22.2	21.0	20.9	20.8	20.8
Hidalgo	7.7	7.8	9.8	13.5	15.0	15.6	14.6	14.7	15.0
Jalisco	11.3	12.2	12.9	15.0	17.6	18.4	17.9	17.7	18.1
Estado de México	6.3	6.1	8.4	11.7	12.8	13.0	12.2	12.3	12.9
Michoacán	13.3	13.9	14.8	17.6	19.6	19.3	18.6	18.2	19.0
Morelos	10.5	11.8	14.2	17.3	16.9	15.2	15.3	15.4	15.6
Nayarit	14.0	14.2	15.2	16.8	19.2	21.0	20.6	20.5	21.0
Nuevo León	7.7	11.5	14.3	16.7	18.7	20.8	20.8	21.4	21.5
Oaxaca	13.4	12.9	15.8	18.6	20.5	19.9	19.3	19.7	19.5
Puebla	8.5	8.4	10.8	13.9	15.4	15.6	14.3	14.3	14.7
Querétaro	9.4	9.8	11.9	15.5	16.7	16.5	16.0	15.9	16.1
Quintana Roo	17.5	16.7	20.4	22.5	25.3	25.7	24.8	24.7	24.4
San Luis Potosí	7.5	8.5	10.9	14.8	16.4	17.0	16.0	16.6	16.4
Sinaloa	12.8	13.3	16.9	17.6	19.3	23.7	24.0	23.7	23.9
Sonora	8.8	11.3	14.8	15.8	18.4	24.5	25.8	25.4	23.6
Tabasco	19.7	19.2	22.8	25.0	26.7	26.2	26.1	25.9	25.6
Tamaulipas	10.0	12.3	16.1	19.7	21.5	23.7	22.8	23.2	23.7
Tlaxcala	3.8	3.7	5.6	8.3	10.3	11.2	9.8	9.7	10.3
Veracruz	15.8	15.9	18.9	21.8	23.2	23.4	23.0	22.8	22.5
Yucatán	16.9	16.5	20.0	21.6	24.2	24.4	23.8	23.4	23.8
Zacatecas	6.1	7.7	9.2	11.9	13.7	14.3	13.8	13.9	13.9

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	20.0
MXM00076061	Puerto Penasco	Sonora	31.3	-113.5	62.0	17.0
MXM00076118	Nacozari (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	0.0
MXM00076390	Saltillo	Coahuila	25.4	-101.0	1790.0	73.0
MXM00076402	Ciudad Constitucion	Baja California Sur	24.9	-111.7	48.0	67.0
MXM00076405	La Paz (City)	Baja California Sur	24.2	-110.3	18.0	70.0

Id	Name	State	Latitude	Longitude	Altitude (m)	Days with data (Tmax) (%)
MXM00076423	Durango	Durango	24.1	-104.6	1872.0	70.0
MXM00076458	Colonia Juan Carras	Sinaloa	23.2	-106.4	4.0	83.0
MXM00076491	Ciudad Victoria	Tamaulipas	23.7	-99.1	355.0	0.0
MXM00076519	Colotlan	Jalisco	22.1	-103.3	1673.0	0.0
MXM00076525	Zacatecas Zac. (La Bufa	Zacatecas	22.8	-102.6	2612.0	0.0
MXM00076548	Tampico	Tamaulipas	22.2	-97.8	25.0	73.0
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	67.0
MXM00076593	Progreso	Yucatán	21.3	-89.7	2.4	0.0
MXM00076612	Guadalajara	Jalisco	20.7	-103.4	1583.0	63.0
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	83.0
MXM00076647	Valladolid	Yucatán	20.7	-88.2	27.0	83.0
MXM00076654	Manzanillo	Colima	19.1	-104.3	3.0	63.0
MXM00076656	Ciudad Guzman	Jalisco	19.7	-103.5	1515.0	60.0
MXM00076662	Zamora	Michoacán	20.0	-102.3	1540.0	83.0
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	0.0
MXM00076683	Tlaxcala De Xicontecatl (Dge)	Tlaxcala	19.3	-98.2	2229.9	63.0
MXM00076687	Jalapa	Veracruz	19.6	-96.9	1389.0	43.0
MXM00076692	Hacienda Ylang Ylang Veracruz	Veracruz	19.1	-96.1	16.0	73.0
MXM00076737	Orizaba	Veracruz	18.9	-97.1	1259.0	67.0
MXM00076741	Coatzacoalcos	Veracruz	18.1	-94.4	22.0	67.0
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	0.0
MXM00076775	Oaxaca	Oaxaca	17.1	-96.7	1518.0	0.0
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	40.0
MXM00076843	Francisco Sarabia	Chiapas	16.8	-93.3	1051.9	0.0
MXM00076845	Sn. Cristobal Las Casas	Chiapas	16.8	-92.6	2116.0	73.0
MXM00076848	Comitan	Chiapas	16.2	-92.1	1646.0	70.0
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: CPC. 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
NOAA CPC	Official ENSO probabilities	Public domain (NOAA)	—
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
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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