Climate and Hydrology Monthly Report for Puerto Rico and the US Virgin Islands

Valid for July 2026

Issued By: WFO San Juan, PR

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July Climate Summary for Primary Climate Sites

San Juan Area
(Period of Record: 1898 to present)

Highest: **94 °F** on the 29th
Lowest: **77 °F** on the 23th
Average: 85.0 °F (+2.1; above normal)
Rain Total: 0.54” R (-5.48; below normal)

Days with T_{max} >= 90 °F: 26
Nights with T_{min} >= 80 °F: 16
Days with Rain (>= 0.01”): 9

Rankings:
8th warmest
1st driest

Remarks:

Driest July on record.

St. Thomas
(Period of Record: 1953 to present)

Highest: **95 °F** on the 11,19,26th
Lowest: **77 °F** on the 15th
Average: 86.4 °F (+1.9; above normal)
Rain Total: 0.75” (-2.16; below normal)

Days with T_{max} >= 90 °F: 25
Nights with T_{min} >= 80 °F: 19
Days with Rain (>= 0.01”): 7

Rankings:
6th warmest
1st driest

Remarks:

Driest July on record.

St. Croix
(Period of Record: 1951 to present)

Highest: **92 °F** on the 8 & 25th
Lowest: **76 °F** on the 21st
Average: 84.8 °F (+1.6; above normal)
Rain Total: 0.04” R(-2.60; below normal)

Days with T_{max} >= 90 °F: 22
Nights with T_{min} >= 80 °F: 13
Days with Rain (>= 0.01”): 1

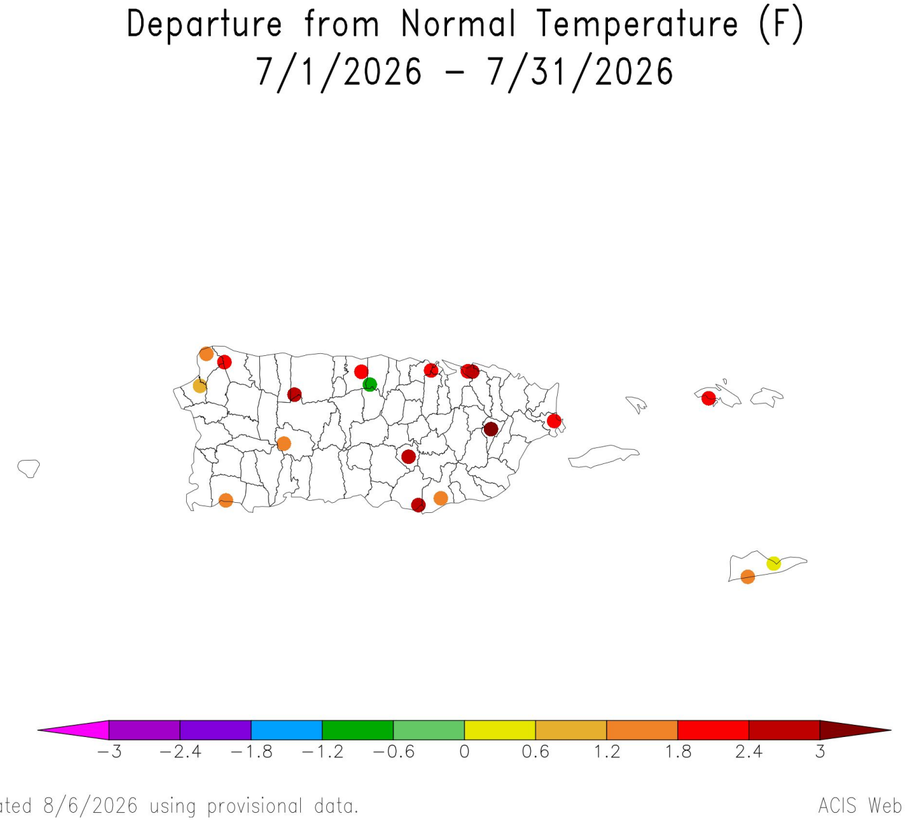
Rankings:
25th warmest
1st driest

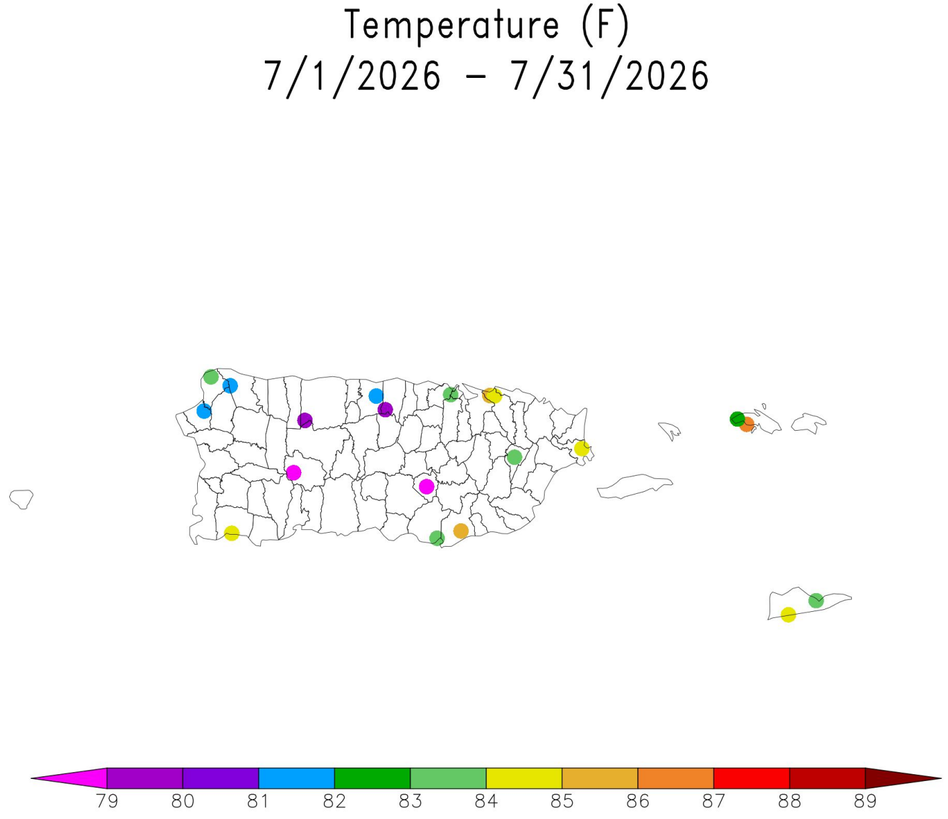
Remarks:

Driest July on record.

Observed Temperature

Link to generate the latest ACIS Climate Maps



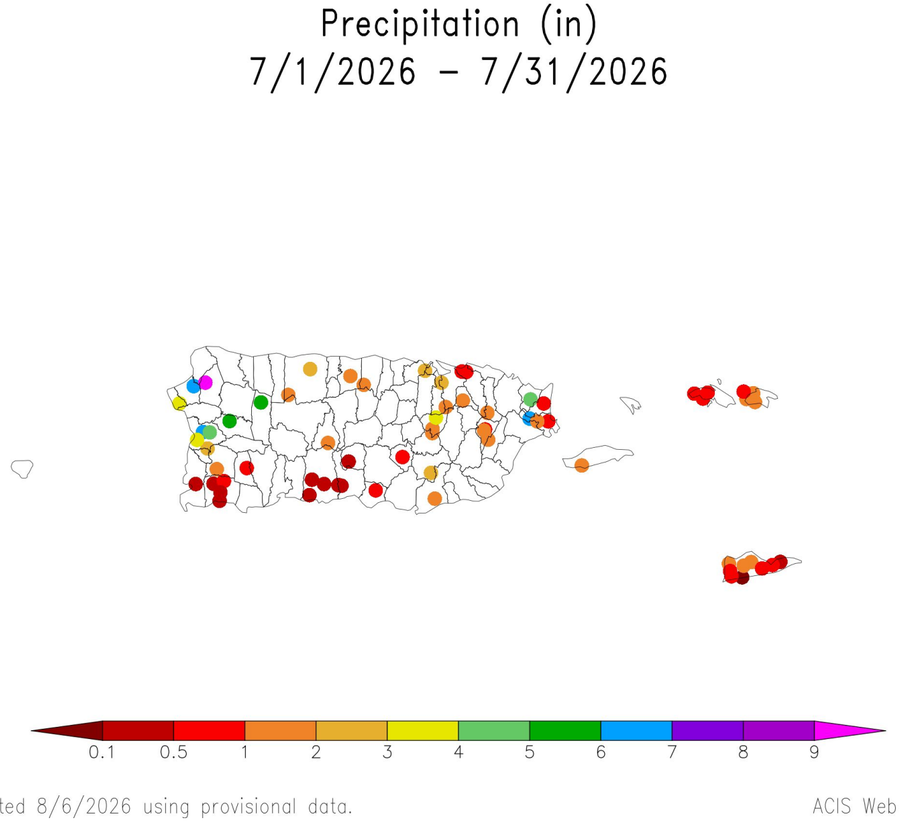


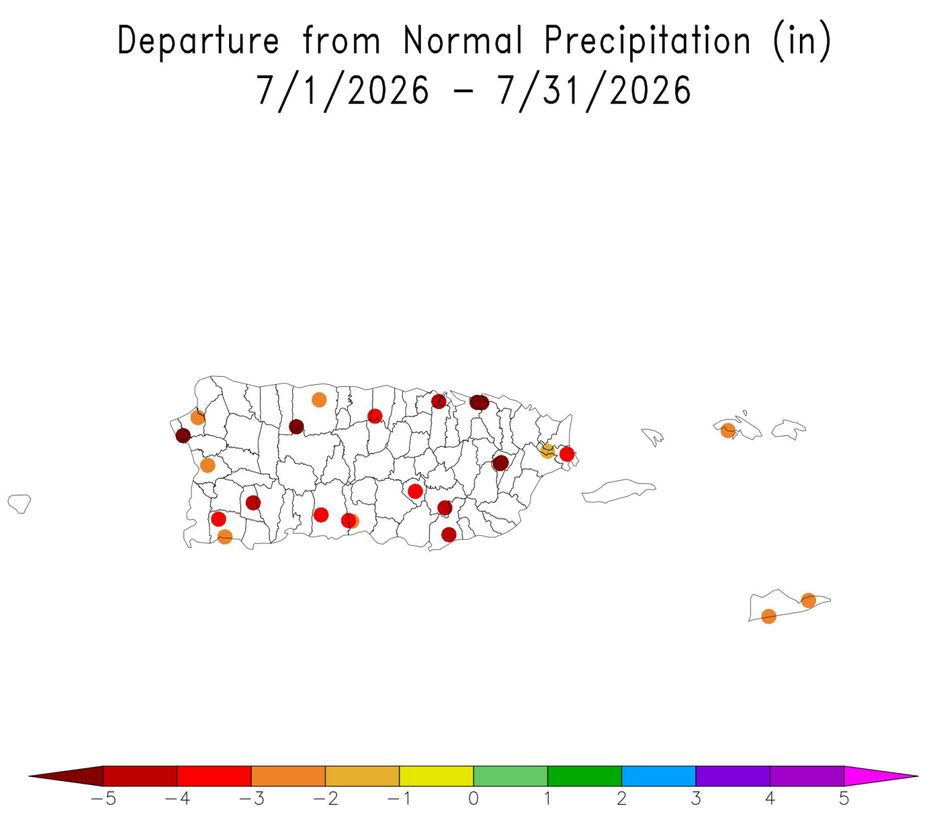
- Temperatures have been mostly above normal across most of local sites with one exception. The COOP station in Puerto Rico with the highest daily maximum temperature was **Ponce 4E and Dos Bocas with 97° F.** In the U.S. Virgin Islands, **Bordeaux** reported **89°F** as the highest maximum temperature.

Image Captions:
Left - Observed Average Temperature for Puerto Rico and US Virgin Islands (COOP)
Right - Departure from normal temperature for Puerto Rico and US Virgin Islands (COOP)
Data Courtesy High Plains Regional Climate Center/NWS COOP Stations.

Observed Rainfall

Link to generate the latest ACIS Climate Maps





- Most of the station reported values in -2 to -4 inches less than normal values in Puerto Rico with some stations ranging between -5 to -7 inches. Over the USVI, -1 to -2 inches of rain was the pattern. The COOP station with the highest monthly rainfall accumulation was **Coloso** with **6.01**". The CoCoRaHS station with the highest monthly rainfall accumulation was **Moca 0.3 S** with **8.24"**.

Image Captions:
Left - Observed Average Temperature for Puerto Rico and US Virgin Islands (COOP)
Right - Departure from normal temperature for Puerto Rico and US Virgin Islands (COOP)
Data Courtesy High Plains Regional Climate Center/NWS COOP Stations.

Estimated Rainfall

Estimated Rainfall was obtained from MRMS NWPS (Puerto Rico), and COOP and CoCoRaHS (Virgin Islands)

- Rainfall was highly **variable** across Puerto Rico, with the heaviest accumulations concentrated over the west due to frequent afternoon convection. Accumulations ranged from 5 to 8 inches with localized totals exceeding 10 inches in the northwest.
- Rainfall in portions of the south and eastern interior were below 2 inches.
- Other areas in the east and north-central received 2 to 5 inches, with higher amounts near El Yunque rainforest.
- Amounts across the Virgin Islands were near or even less than an inch for most CoCoRaHS and other federal sites.

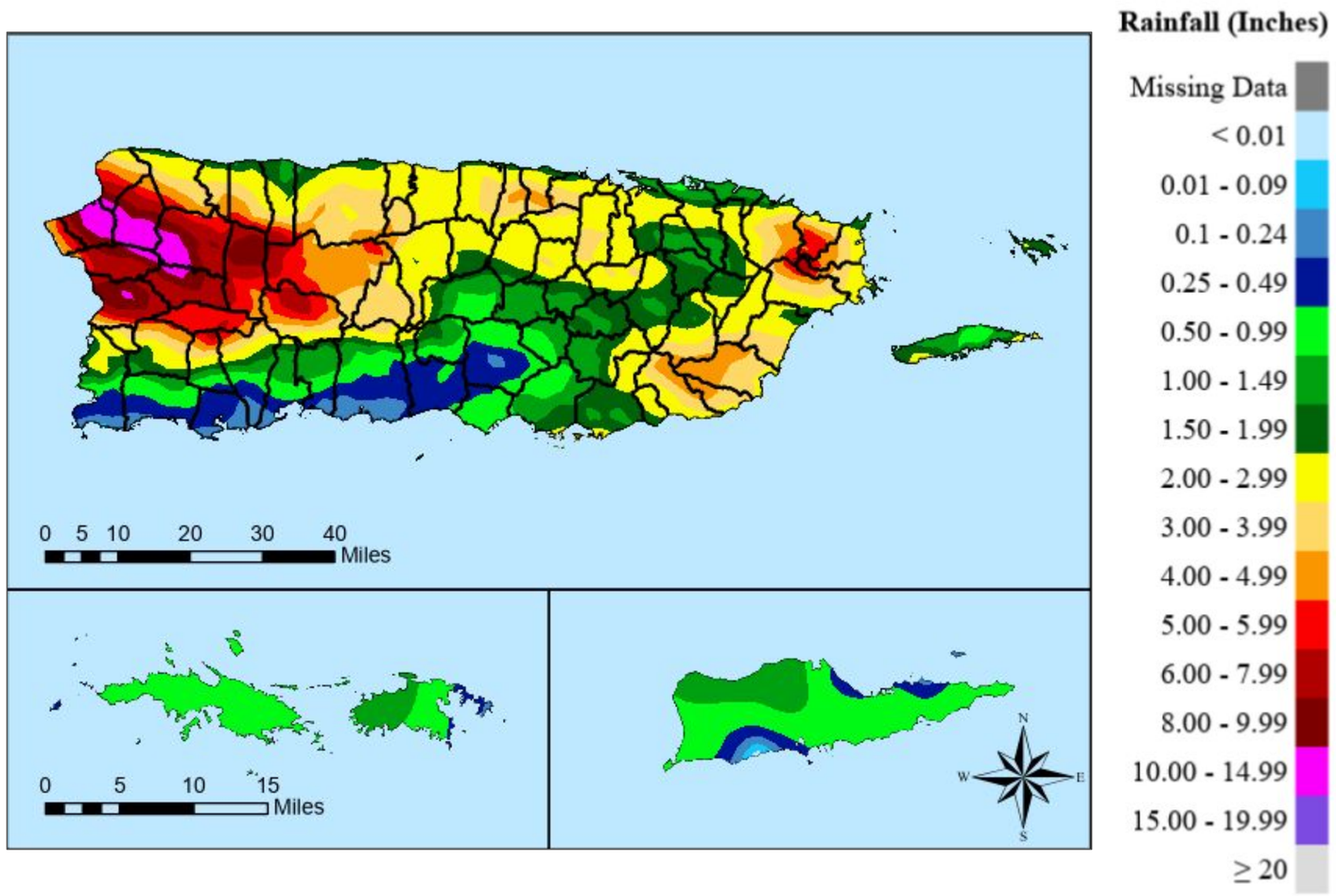


Image Captions:
Estimated Rainfall for the month of July. This map is courtesy of the NWS SJU GIS Team.

Departure from Normal Rainfall

Estimated Departure from normal was obtained from NWPS.

- July 2026 was the driest July of history for the San Juan Area Climate Site. That pattern replicated across most of Puerto Rico, with the largest rainfall deficits observed over the eastern half of the island, where departures exceeded 4 to 8 inches below normal.

- The western interior and northwestern Puerto Rico experienced near-normal to above-normal rainfall, with localized surpluses of 1 to 3 inches above average.

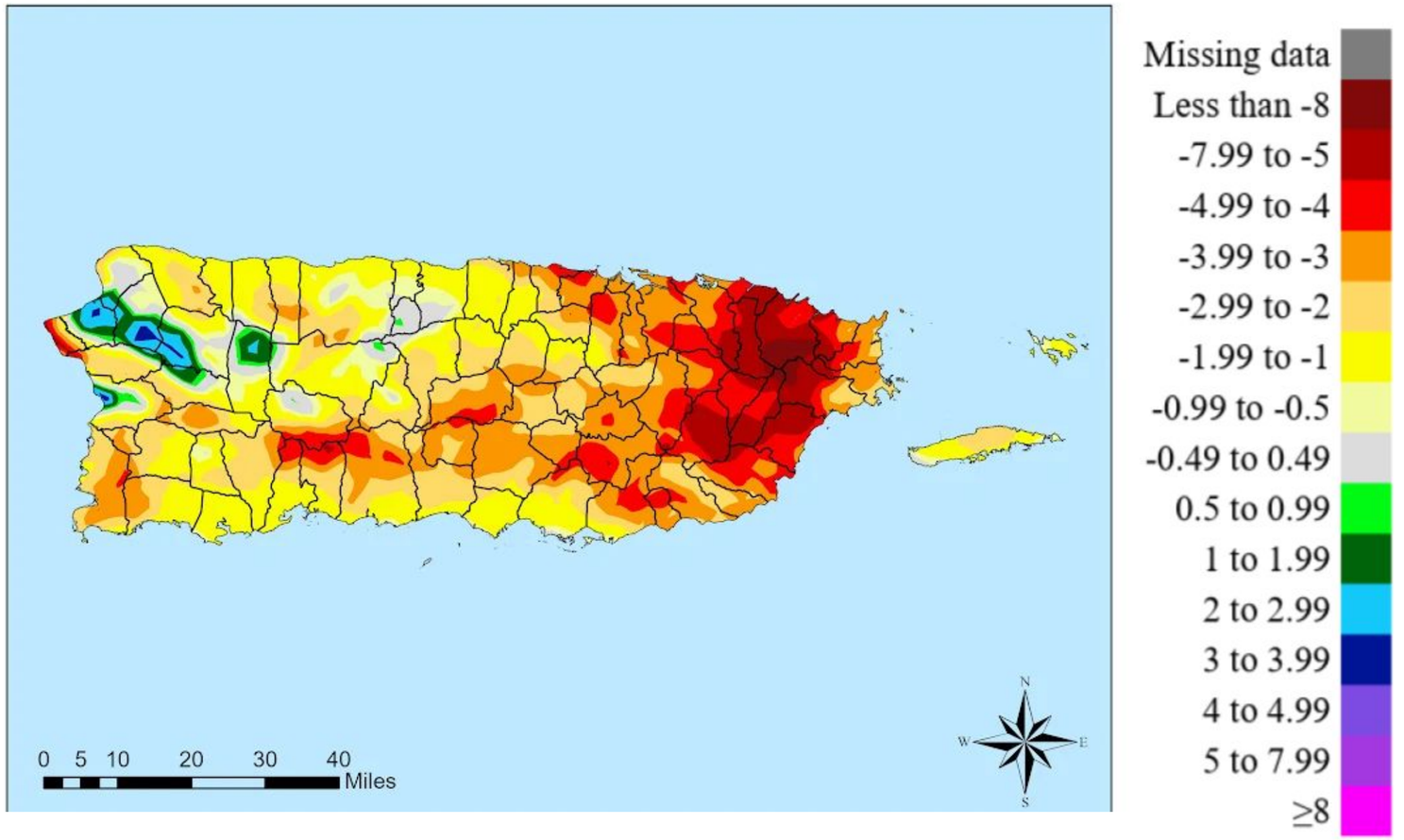


Image Captions:
Estimated Departure from Normal Rainfall for Puerto Rico during the month of July. This map is courtesy of the NWS SJU GIS Team.
*NWPS does not provide rainfall departure from normal for the USVI.

Hydrologic Conditions and Impacts

The latest soil monthly streamflow for Puerto Rico can be found on WaterWatch

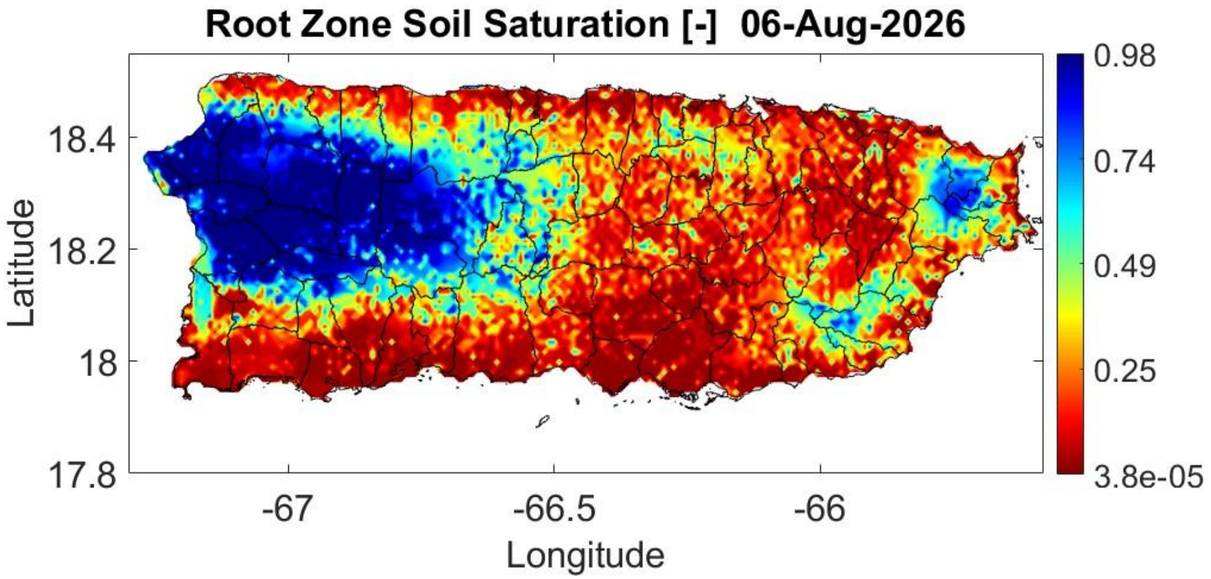
- For current creeks, rivers, lakes and irrigation channels conditions, click here. For Reservoir levels, click here. For selected USGS monitored wells across southern Puerto Rico, click here. For U.S. Virgin Island wells, press here.

Non-Routine Hydrologic Products	Products issued for the month
Hydrologic Outlooks (SJUESFSJU)	**0**
Flood Watches (SJUFFASJU)	**0**
Flood Warnings (SJUFLWSJU)	**0**
Flash Flood Warnings (SJUFFWSJU)	**0**
Urban/Small Stream Flood Advisories (SJUFLSSJU)	**12**
Local Storm Reports (SJULSRSJU)	**8**

Soil Saturation

The latest soil moisture information for Puerto Rico can be found on PRAGWATER

The latest data from PRAGWATER indicate moderate to high root-zone saturation is present across portions of the eastern and western regions, while low soil moisture levels are observed along parts of the northern and southern plains and in the eastern interior. Crop stress is evident in portions of the southern and northern coastal areas and the eastern interior.



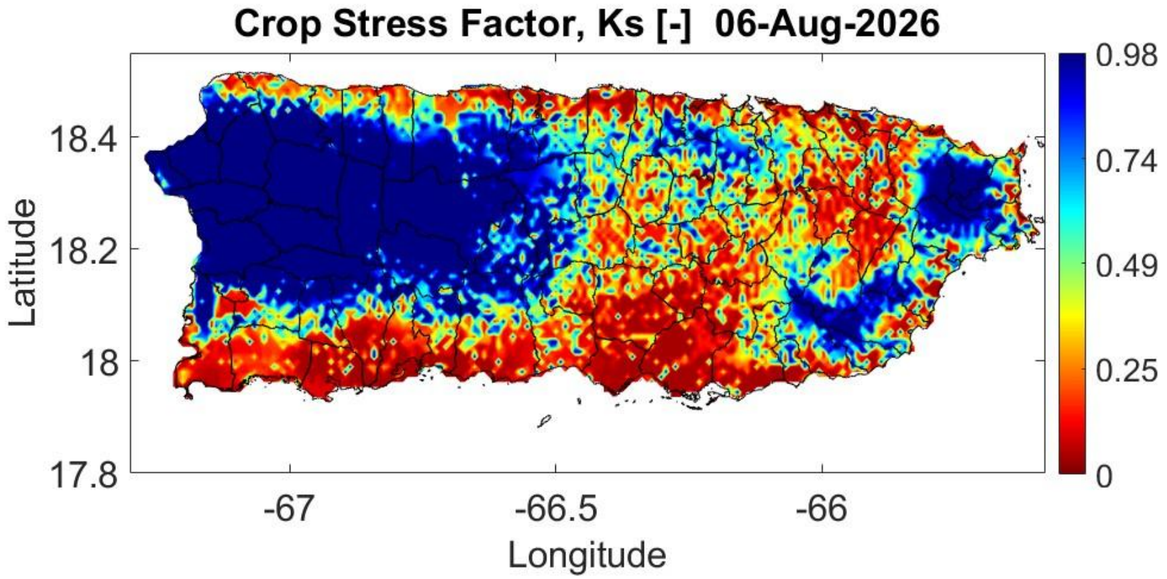


Image Caption: (Right) Root Zone Soil Saturation. (Left) Crop Stress Factor for Puerto Rico.

Soil saturation: 1=Saturated. Crop Stress Factor: 0=Extreme Stress.

U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor] for the Caribbean

DROUGHT CONDITIONS:

- Extreme Drought (D3) conditions were introduced along southern Puerto Rico and persist across the Virgin Islands.
- Severe Drought (D2) is expanding along the eastern interior.
- Moderate Drought (D1) persisted for most of the east and interior, with Abnormally Dry (D0) observed in the north-central.

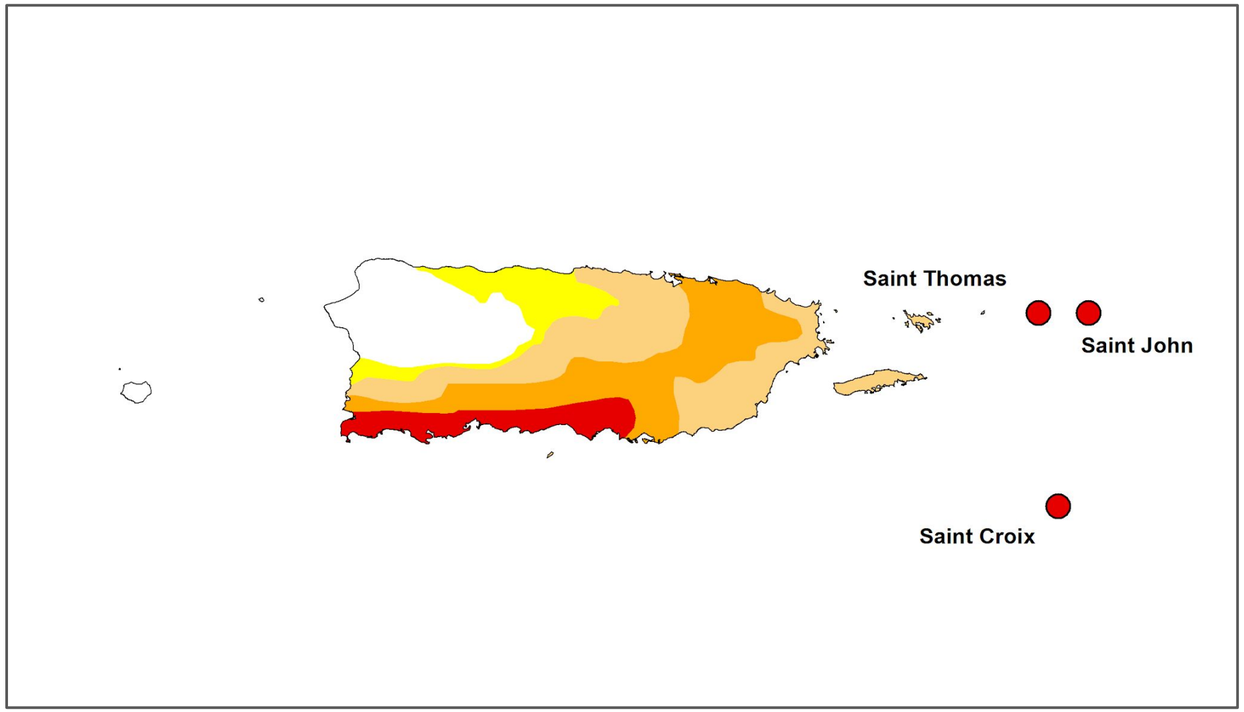


Image Caption: U.S. Drought Monitor valid 8am EDT August 4th, 2026

Recent Change in Drought Intensity

Link to the latest 4-week change map for the Caribbean

Four Week Drought Monitor Class Change:

- Over the 4-week period, conditions deteriorated across eastern and southern Puerto Rico, showing mostly 1-class degradation.
- 1 Class improvement where observed in a small area across north-central sections.
- Across the U.S. Virgin Islands, 1-class degradation was observed.

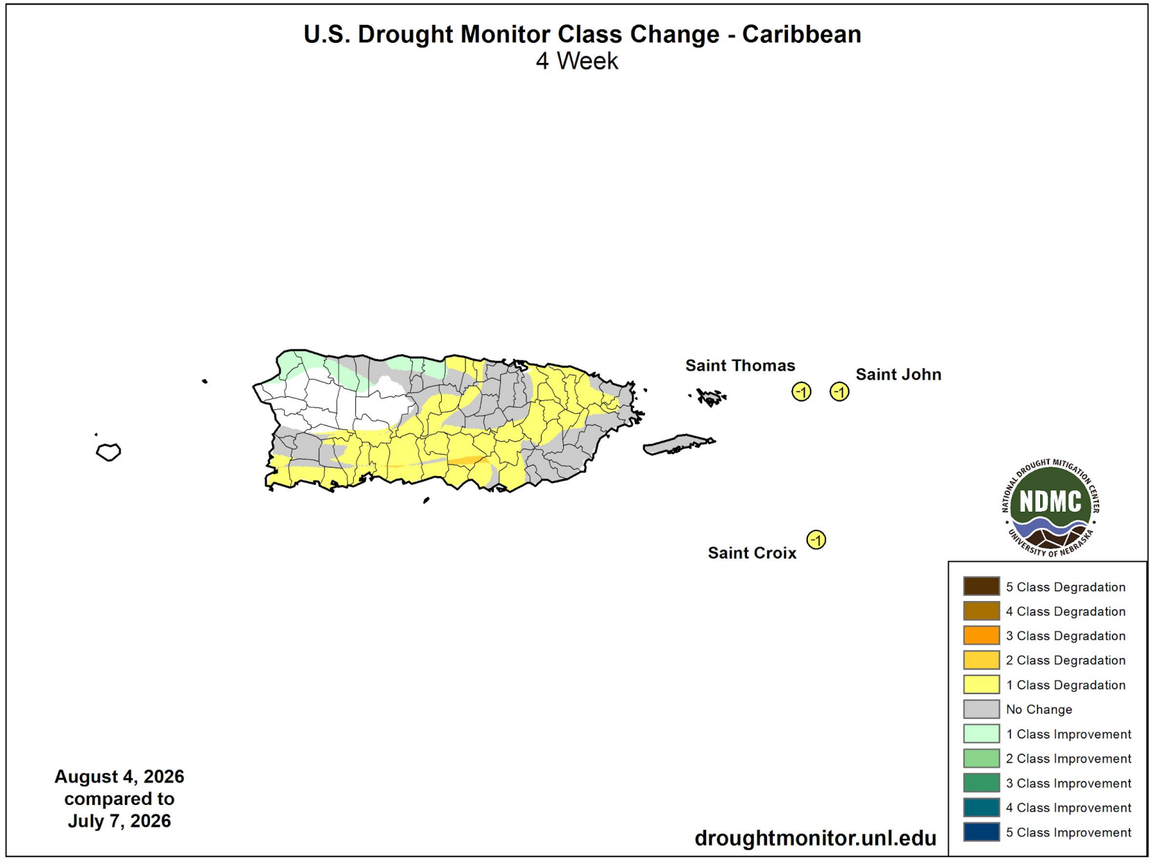


Image Caption: U.S. Drought Monitor 4-week change map valid 8am EDT August 4th, 2026.

Long-Range Precipitation Outlook

The latest monthly and seasonal outlooks can be found on the CPC homepage

- The **North American Multi-Model Ensemble (NMME)** for September–November 2026 indicates below normal precipitation (chances around 50% to 60%) persisting through the fall months across the northeastern Caribbean.

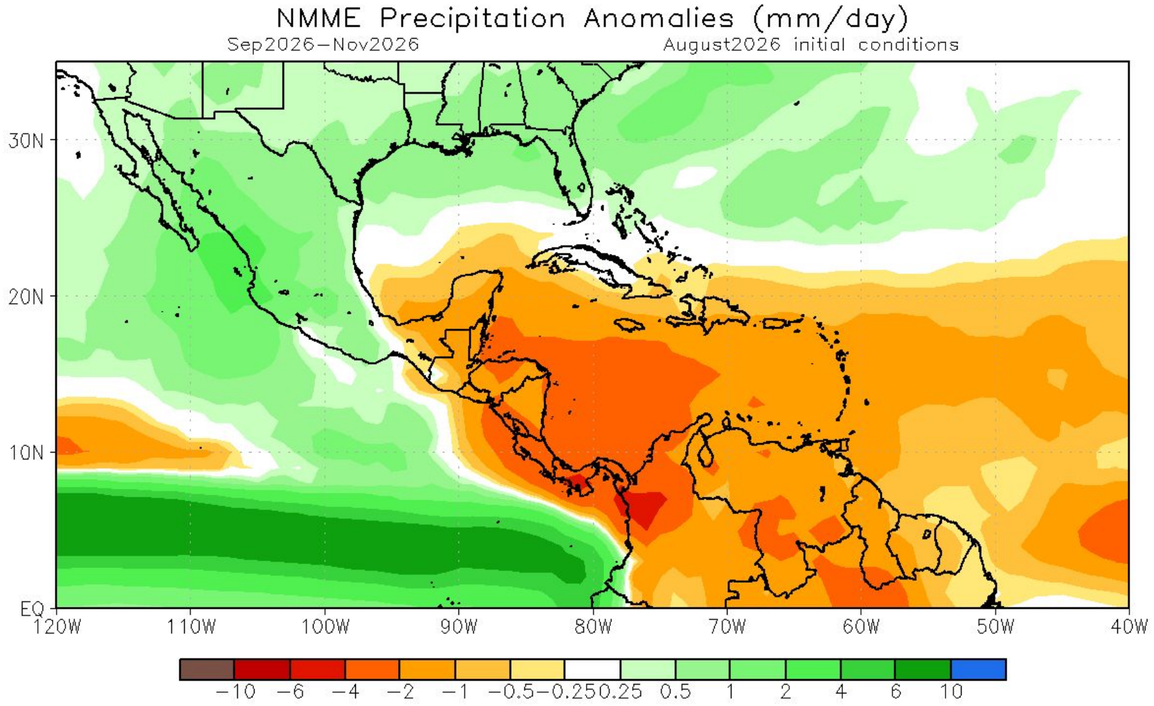


Image caption: NMME precipitation forecast issued August 2026. Valid September-November 2026.

Long-Range Temperature Outlook

The latest three-months temperature outlook can be found on the CPC homepage

- Based on the **North American Multi-Model Ensemble (NMME)**, there is a greater than 60% of experiencing above-normal temperatures during the summer months (September - November 2026) across the northeastern Caribbean.

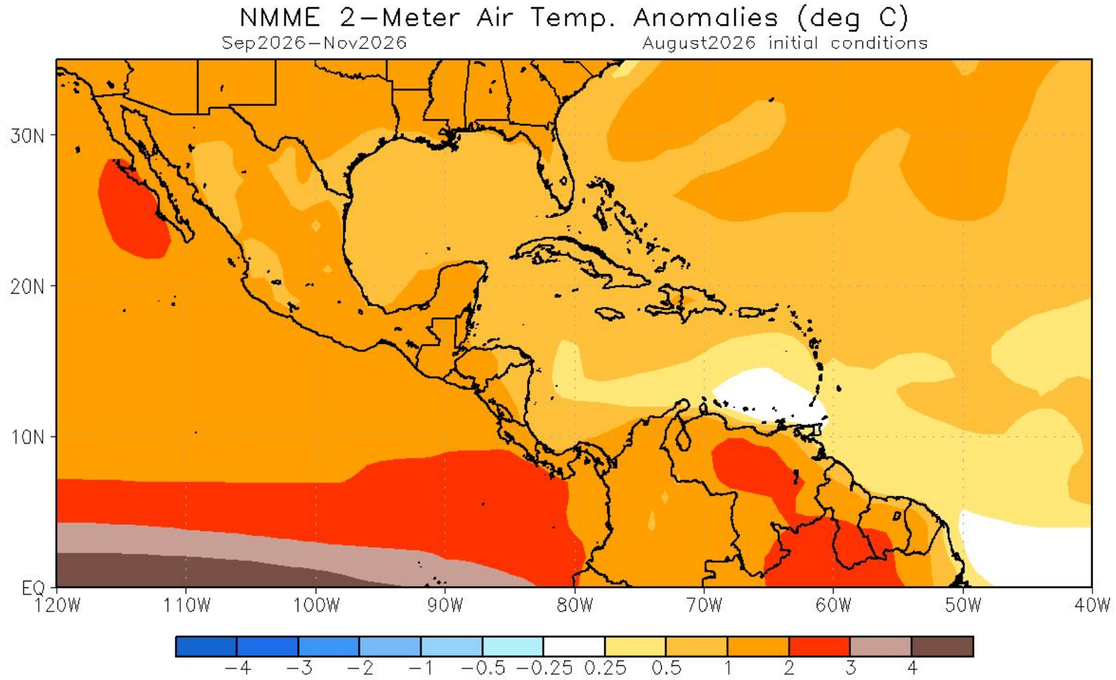


Image caption: NMME temperature forecast issued August 2026. Valid September-November 2026.

Long Range Drought Outlook

The latest monthly and seasonal outlooks can be found on the CPC homepage

- The seasonal drought outlook for **August 26, 2026**, predicts that drought conditions will **persist** across the majority of east Puerto Rico, Culebra and Vieques, and across the Virgin Islands (indicated in brown).
- Drought is also expected to develop in other portions of the interior, northwest corner, and north-central of Puerto Rico.

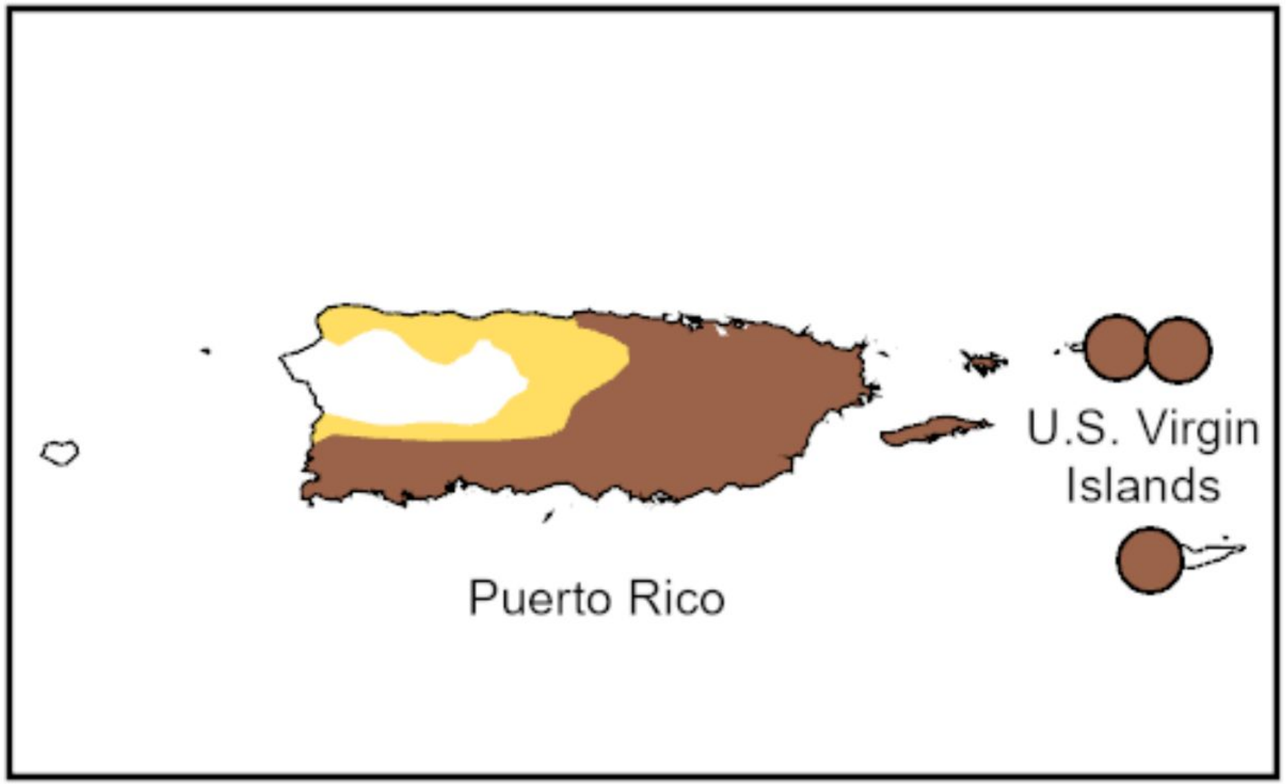


Image Caption: U.S. Seasonal Drought Outlook Valid for August 2026.