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

Valid for March 2026

Issued By: WFO San Juan, PR

Contact Information: sr-sju.webmaster@noaa.gov

March Climate Summary for Primary Climate Sites

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

Highest: **89 °F** on the 21st
Lowest: **70 °F** on the 27 & 28th
Average: 78.9 °F (+0.3; above normal)
Rain Total: 6.56” (+4.38; above normal)

Days with T_{max} >= 90 °F: 0
Nights with T_{min} >= 80 °F: 0
Days with Rain (>= 0.01”): 21

Rankings:
22nd warmest
4th wettest

Remarks:

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

Highest: **90 °F** on the 3 & 5th
Lowest: **68 °F** on the 31st
Average: 80.8 °F (+1.7; above normal)
Rain Total: Missing

Days with T_{max} >= 90 °F: 2
Nights with T_{min} >= 80 °F: 1
Days with Rain (>= 0.01”): 15

Rankings:
7th warmest

Remarks:
3 days of missing data.
5 warmest minimum temperature records.

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

Highest: **85 °F** on the 30 & 31st
Lowest: **69 °F** on the 29th
Average: 79.1 °F (+0.9; above normal)
Rain Total: Missing

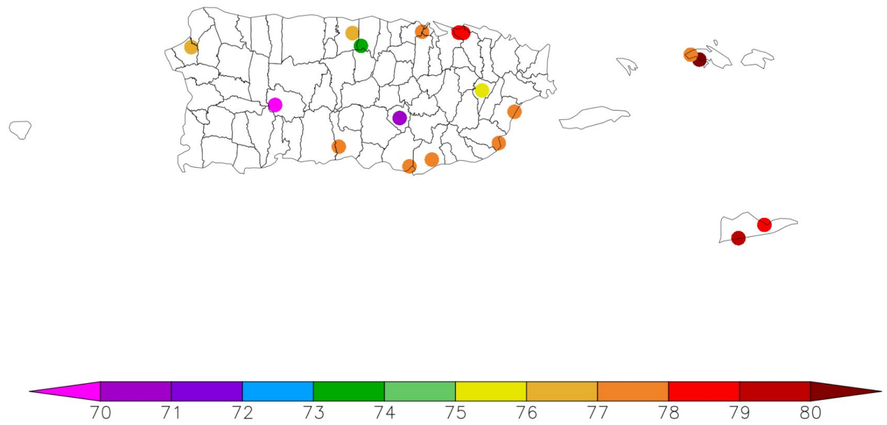
Days with T_{max} >= 90 °F: 0
Nights with T_{min} >= 80 °F: 0
Days with Rain (>= 0.01”): 15

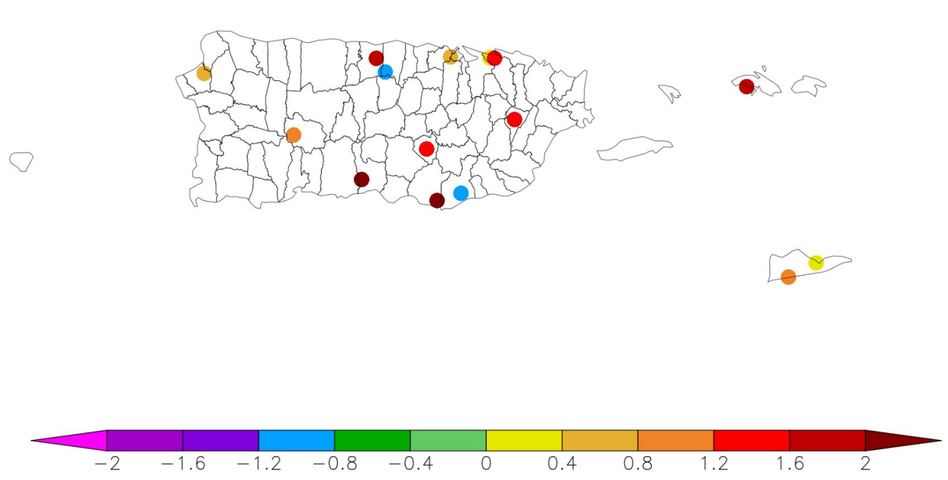
Rankings:
17th warmest

Remarks:
5 days of precipitation data missing.

Observed Temperature

Link to generate the latest ACIS Climate Maps



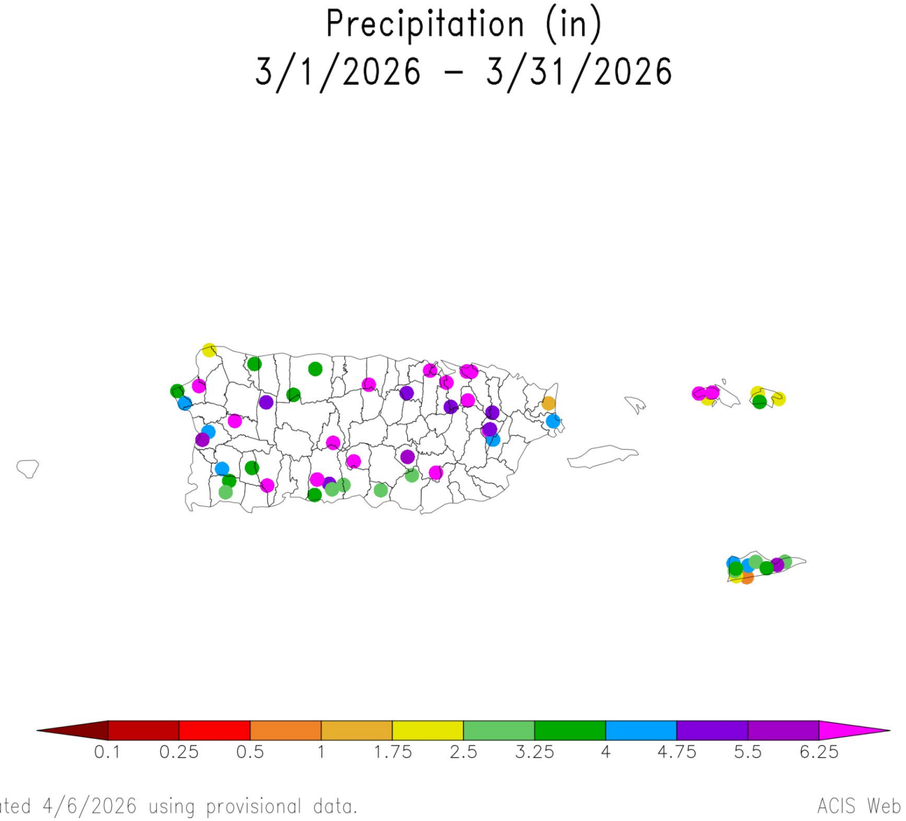


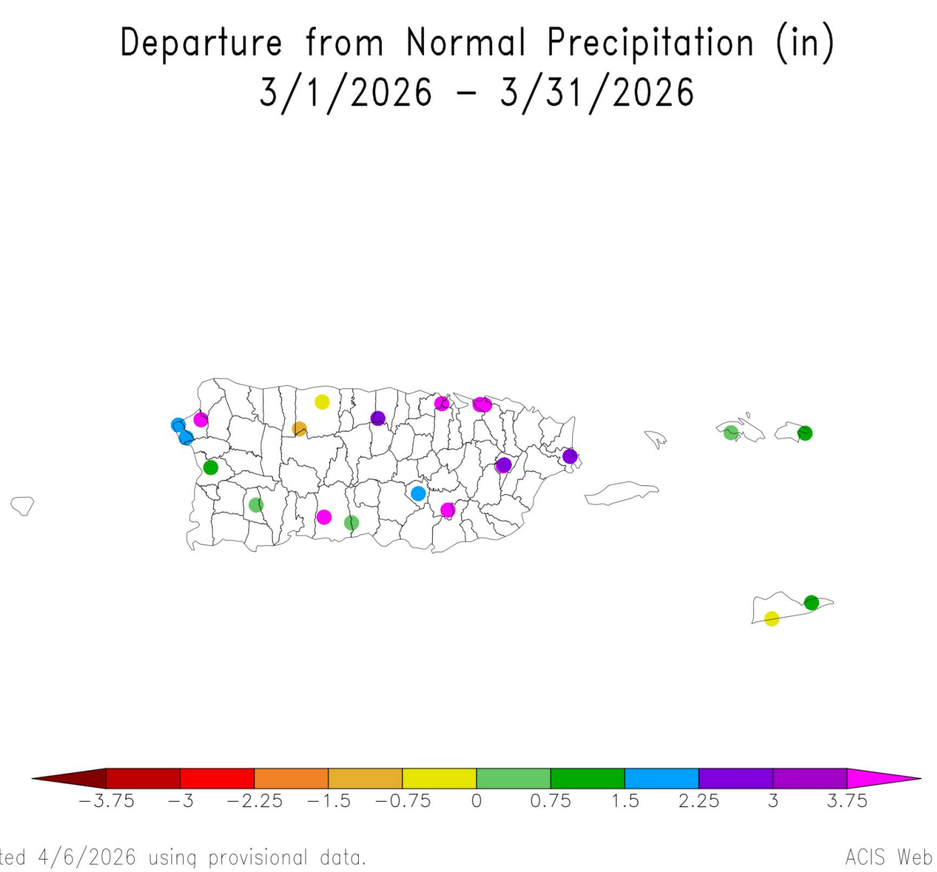
- Temperatures have been above normal across most of local sites, with the exception of a few stations in north central and southeast Puerto Rico. The COOP station in Puerto Rico with the lowest daily minimum temperature was Adjuntas Substation which recorded **55°F**. In the U.S. Virgin Islands, Bordeaux reported **69°F** as the lowest minimum 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 stations in Puerto Rico and the U.S. Virgin Islands ended above normal, with some exceptions in north-central of Puerto Rico. The COOP station with the highest monthly rainfall accumulation was **Maricao Fish Hatchery** with **5.08**". The CoCoRaHS station with the highest monthly rainfall accumulation was **Toa Alta 2.7 SSW** with **13.07"**.

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)

- Another month were most of Puerto Rico reported rainfall accumulations surpassing 10 inches along the interior, northeast, the northwestern interior and the vicinity of Bayamón extending into Corozal. The highest acummulations were reported in the El Yunque area.
- Amounts around 2 to 5 inches were common across the northwestern tip and areas along the southwestern coast.
- For the Virgin Islands, rainfall amounts ranged from 3 to 6 inches, with the highest amounts registered in St. Thomas.

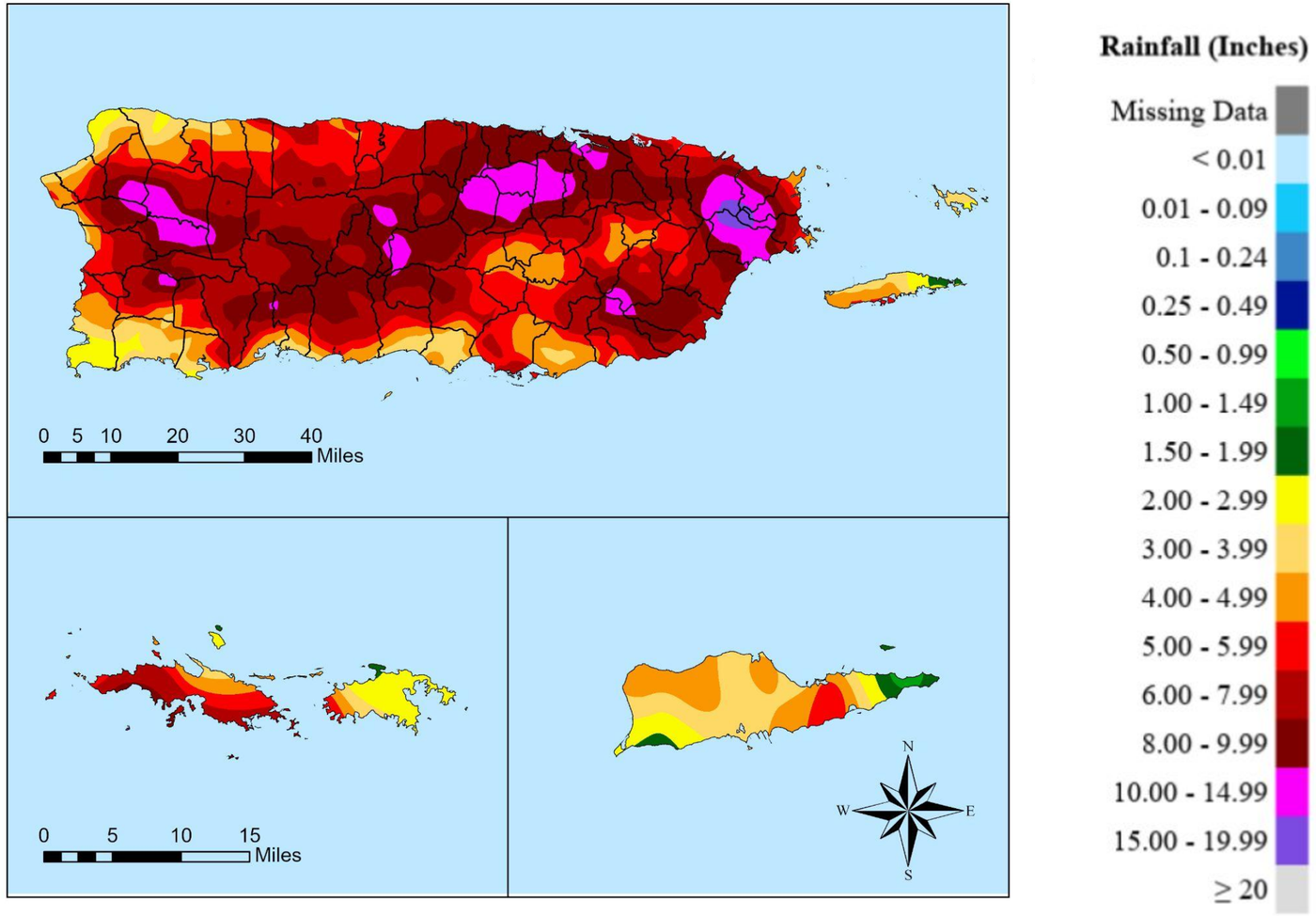


Image Captions:
Estimated Rainfall for the month of March. This map is courtesy of the NWS SJU GIS Team.

Departure from Normal Rainfall

Estimated Departure from normal was obtained from NWPS.

- Once again, rainfall was well above normal almost everywhere in Puerto Rico.
- Higher amounts were observed in the northwest between areas near San Sebastián and Las Marías, El Yunque area and near the municipalities just west of Bayamón, with a surplus exceeding 8 inches.
- Areas around Cabo Rojo and the eastern-central interior with departure from normal from 2 to 4 inches.

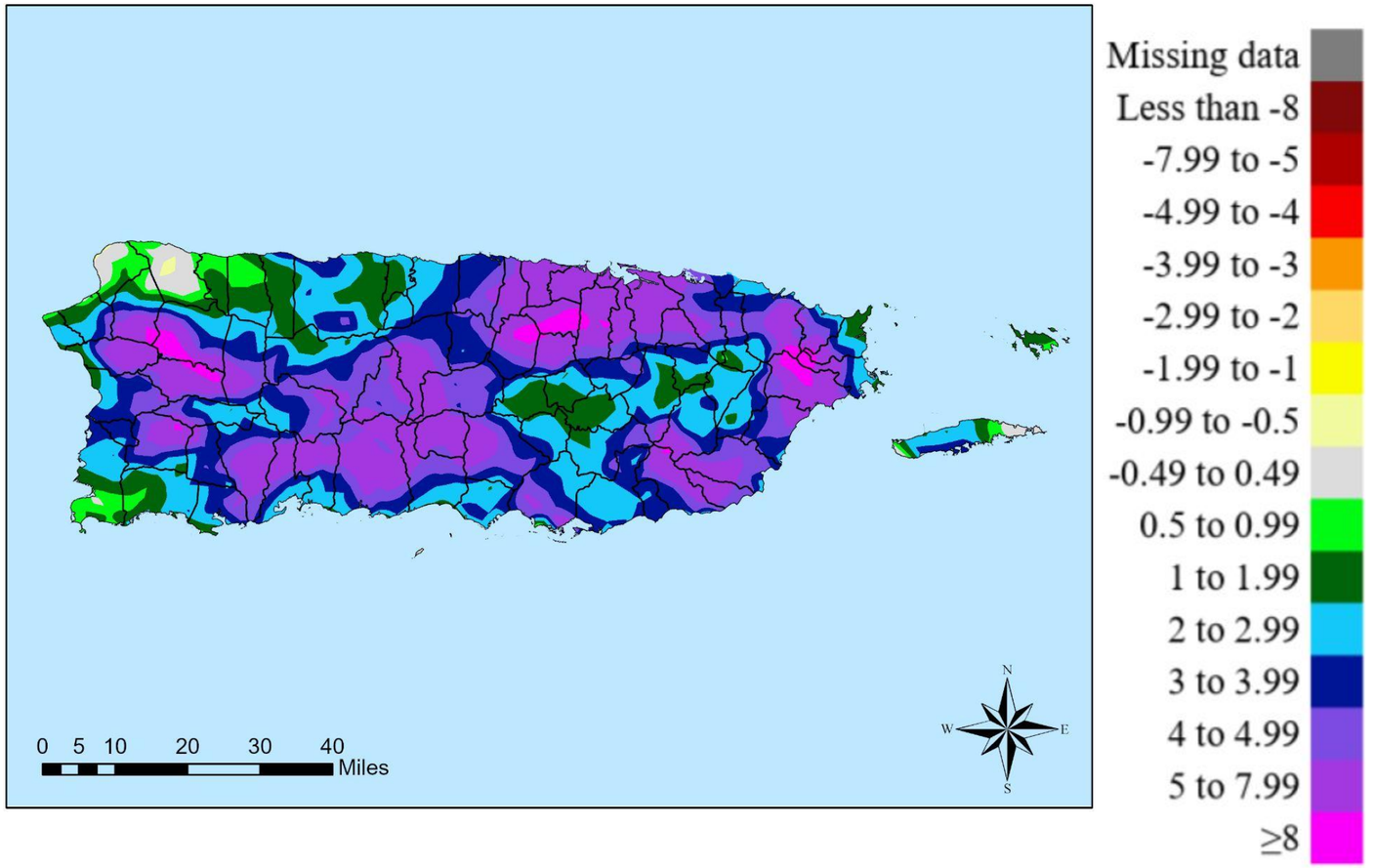


Image Captions:
Estimated Departure from Normal Rainfall for Puerto Rico during the month of March. This map is courtesy of the NWS SJU GIS Team.
*NWPS does not provide rainfall departure from normal for the USVI.

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)	**5**
Flash Flood Warnings (SJUFFWSJU)	**9**
Urban/Small Stream Flood Advisories (SJUFLSSJU)	**48**
Local Storm Reports (SJULSRSJU)	**52**

Soil Saturation

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

The latest data retrieved from PRAGWATER indicate that dry soils persist along portions of the northwest, the eastern interior, and the southern plains as reflected by red and orange shading. Crop stress covers a lot less area, mostly focusing along the southeast, southern Cabo Rojo and for Aguadilla.

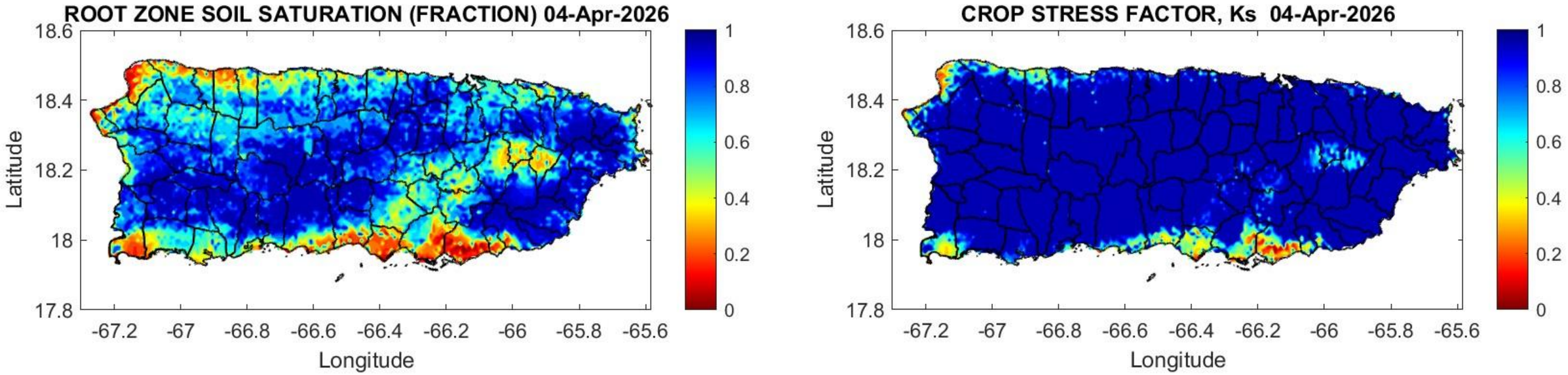


Image Caption: (Left) Crop Stress Factor for Puerto Rico. (Right) Root Zone Soil Saturation Fraction. Soil saturation: 1=Saturated. Crop Stress Factor: 0=high

U.S. Drought Monitor

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

DROUGHT CONDITIONS:

- No drought is observed across the local forecast area.

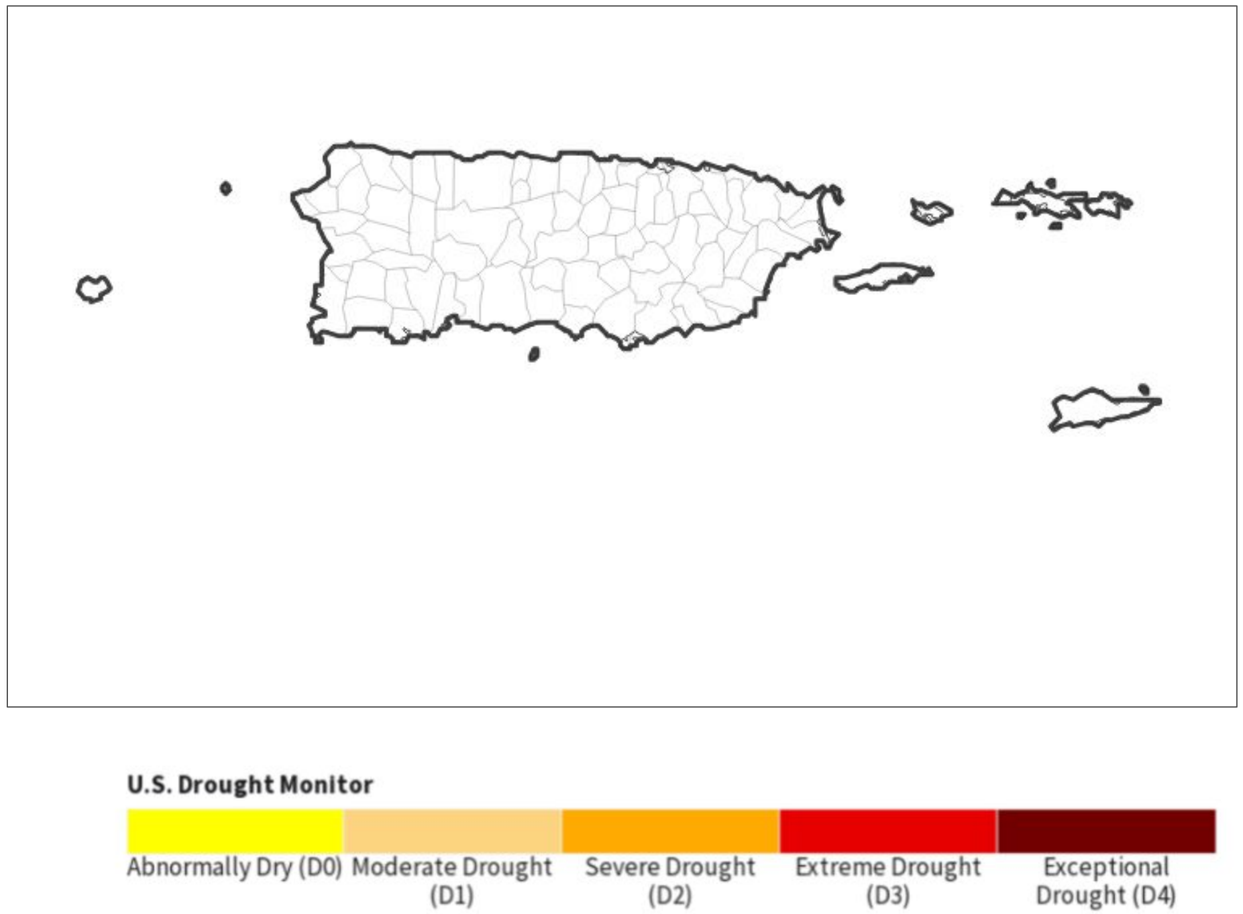


Image Caption: U.S. Drought Monitor valid 8am EDT April 2nd, 2026

Recent Change in Drought Intensity

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

Four Week Drought Monitor Class Change:

- Over the past month a 1-Class improvement was observed just over a brief coastal area of Santa Isabel and Salinas.
- No other improvements or degradation were reported.

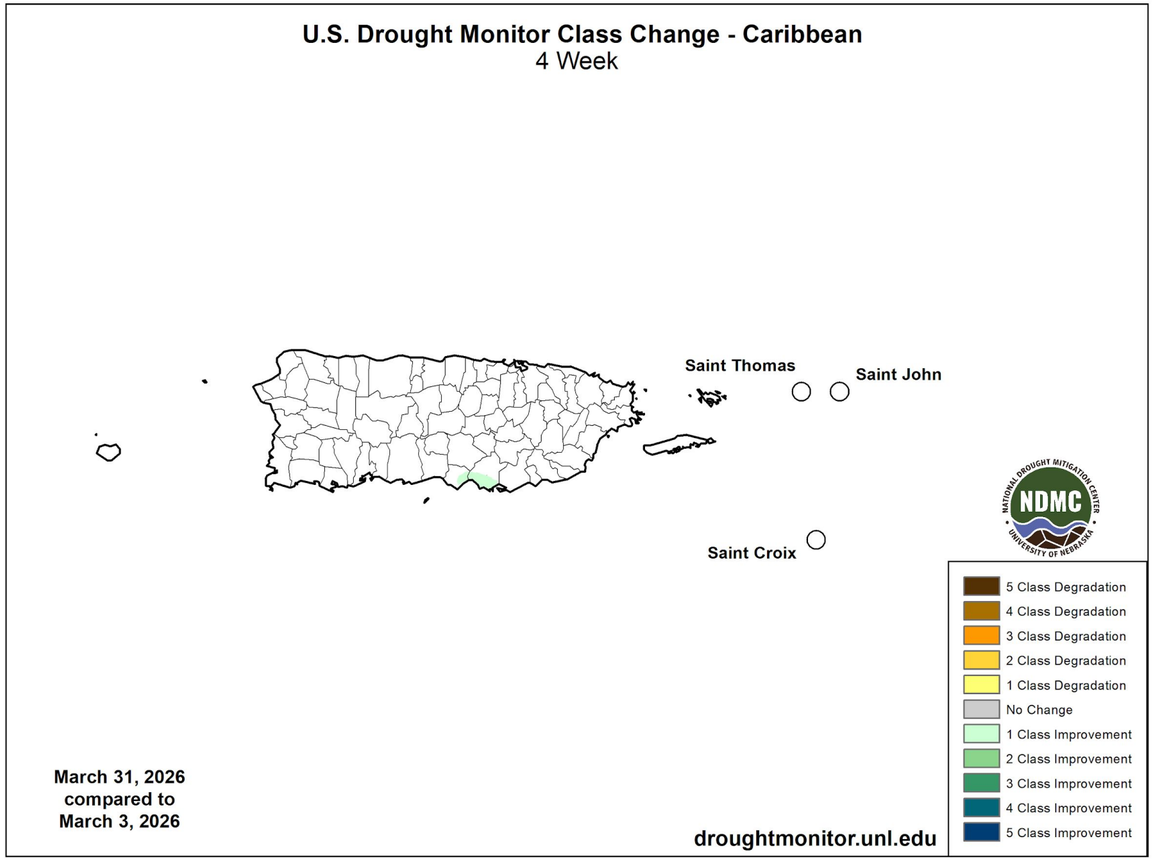


Image Caption: U.S. Drought Monitor 4-week change map valid 8am EDT March 31th, 2026.

Long-Range Precipitation Outlook

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

- The **North American Multi-Model Ensemble (NMME)** indicates below normal conditions (a chance of 50-60% of below normal) during the spring month and early summer months (May - July 2026) across the northeastern Caribbean.

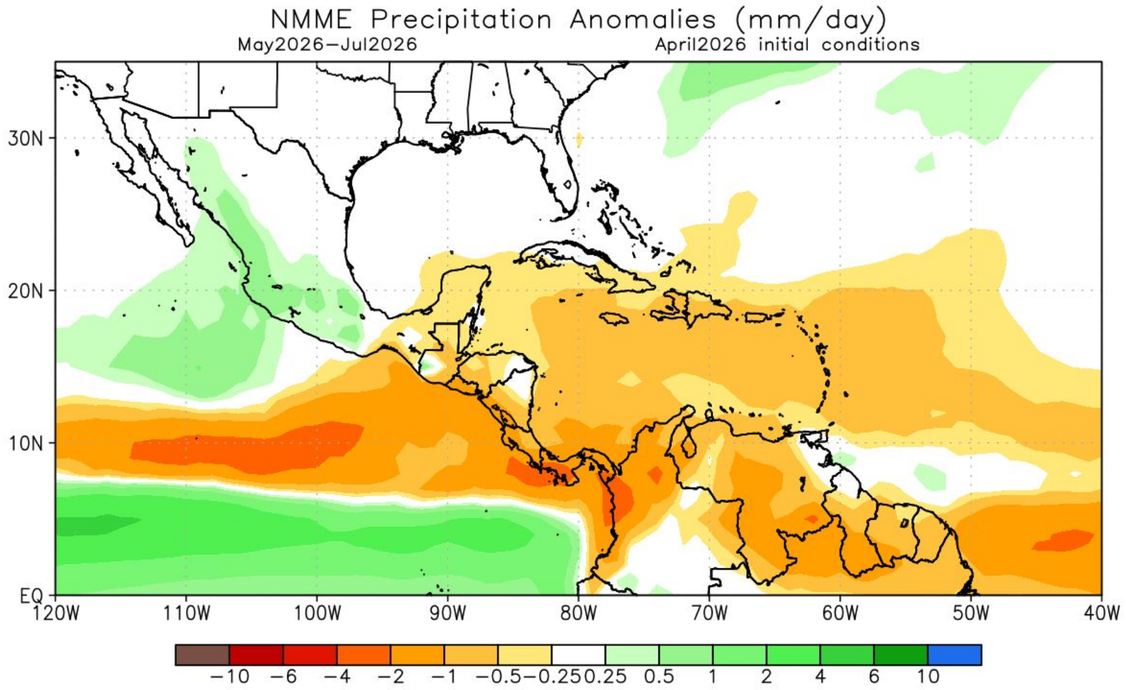


Image caption: NMME precipitation forecast issued April 2026. Valid May - July 2026.

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 60 to 70% chance of above-normal temperatures during the spring and early summer months (May - July 2026) across the northeastern Caribbean.

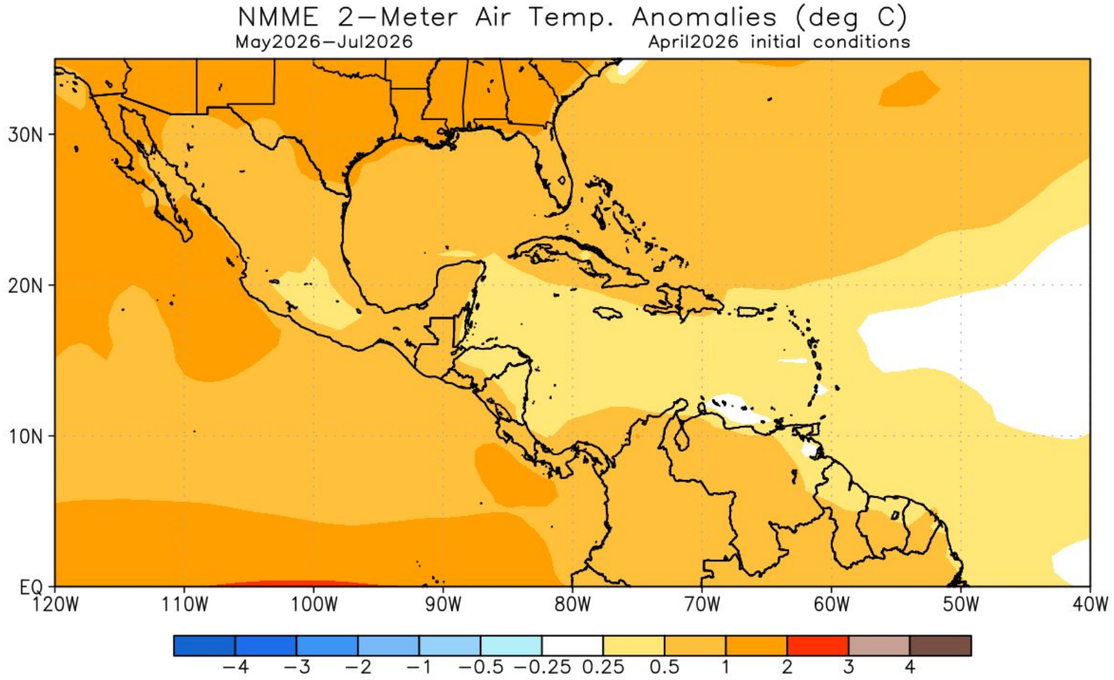


Image caption: NMME temperature forecast issued April 2026. Valid May - July 2026.

Long Range Drought Outlook

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

- Based on the expected conditions, no drought is expected to develop in Puerto Rico and the U.S. Virgin Islands over the next three months.

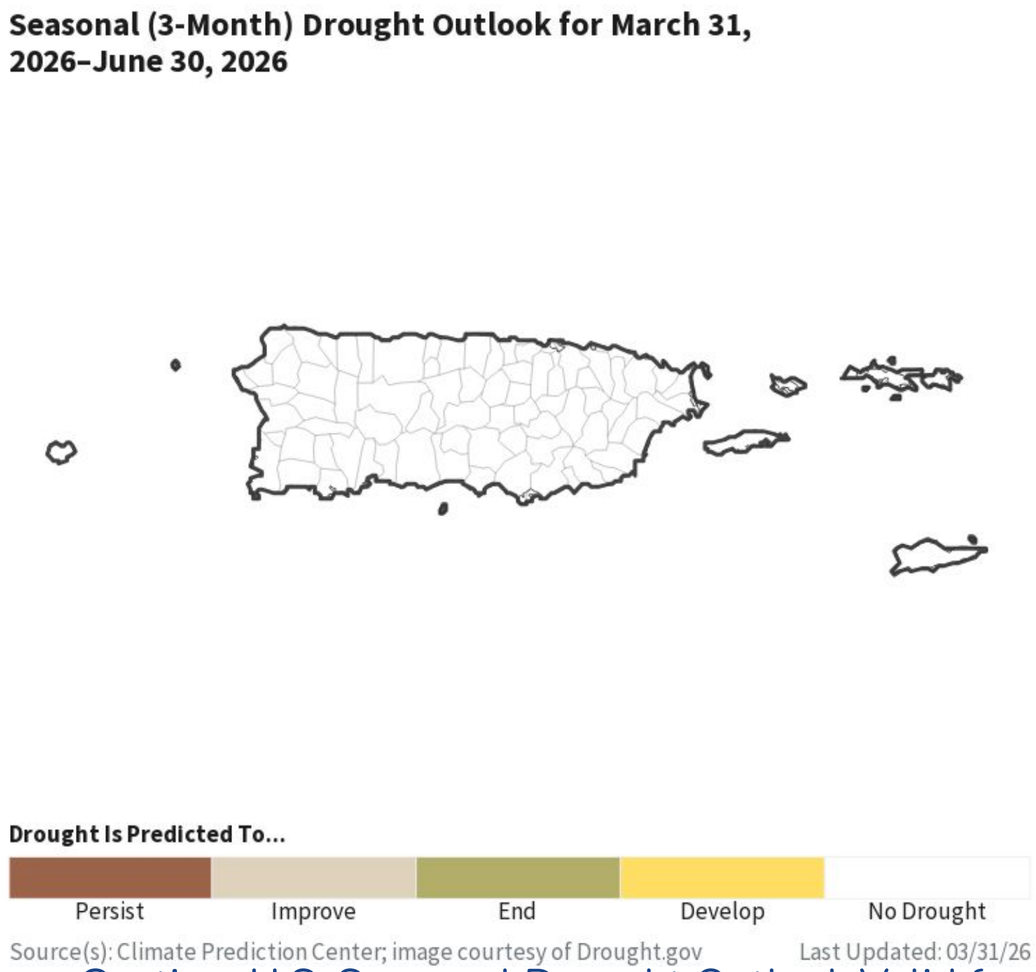


Image Caption: U.S. Seasonal Drought Outlook Valid for March 31st to June 30th 2026.