



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

Valid for October 2025

Issued By: WFO San Juan, PR

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September Climate Summary for Primary Climate Sites

San Juan Area

(Period of Record: 1898 to present)

Highest: **94 °F** on the 1 & 17th
Lowest: **75 °F** on the 16 & 22nd
Average: 83.9 °F (**+1.2**; above normal)
Rain Total: 5.73" (**+0.52**; above normal)

Days with $T_{\max} \geq 90$ °F: 15
Nights with $T_{\min} \geq 80$ °F: 1
Days with Rain (≥ 0.01 "): 24

Rankings:

9th warmest
57th wettest

Remarks:

St. Thomas

(Period of Record: 1953 to present)

Highest: Missing
Lowest: Missing
Average: Missing
Rain Total: Missing

Days with $T_{\max} \geq 90$ °F: Missing
Nights with $T_{\min} \geq 80$ °F: Missing
Days with Rain (≥ 0.01 "): Missing

Rankings:

Remarks:
Sensors are inoperable

St. Croix

(Period of Record: 1951 to present)

Highest: **90 °F** on the 5, 7th
Lowest: **73 °F** on the 17th
Average: 82.7 °F (**+0.5**; above normal)
Rain Total: Missing

Days with $T_{\max} \geq 90$ °F: 2
Nights with $T_{\min} \geq 80$ °F: 2
Days with Rain (≥ 0.01 "): Missing

Rankings:

16th warmest

Remarks:
Precipitation sensor remains inoperable.



September Climate Summary for COOP Climate Sites

Station	Highest	Lowest	Avg. Temp.	Departure from normal	Temp. Rank	Precip.	Departure from normal	Precip. Rank
Adjuntas Substation	91 °F	48 °F	76.0 °F	M	M	9.57"	M	M
Aguirre	98 °F	57 °F	75.9 °F	+1.5	3 rd warmest	7.53"	+4.07	15 th wettest
Aibonito 1 S	94 °F	48 °F	75.9 °F	+1.5	3 rd warmest	7.53"	+4.07	15 th wettest
Arecibo Observatory	91 °F	66 °F	77.9 °F	+1.8	8 th warmest	13.75"	-1.02	21 st driest
Coloso Aguada	93 °F	71 °F	81.4°F	+0.8	9 th warmest	7.27"	+2.85	25 th wettest
Dos Bocas	86 °F	62 °F	74.3 °F	M	M	15.31"	M	M
Juncos 1 SE	93 °F	71 °F	81.8 °F	+1.8	6 th warmest	6.94"	-3.19	11 th driest
Magueyes Island	M	M	M	M	M	4.14"	-0.14	15 th wettest
Palmarejo Vega Baja	91 °F	68 °F	78.9 °F	-1.2	3 rd coolest	7.88"	+4.41	5 th wettest
Ponce 4 E	93 °F	72 °F	83.2 °F	M	M	2.57"	M	M
Toro Negro Forest	M	M	M	M	M	18.51"	M	M
Trujillo Alto 2 SSW	94 °F	74 °F	83.2 °F	+1.8	5 th warmest	9.44"	+1.60	21 st wettest

Records Began: Adjuntas (1970), Aibonito (1906), Arecibo (1980), Coloso (1899), Dos Bocas (1937), Guayama (1914 Temp & 1911 Precip), Juncos (1931), Magueyes (1959), Palmarejo (2009), Ponce (1898 Temp & 1899 Precip), Toro Negro (2002 Temp & 1982 Precip), Trujillo Alto (1957)



September Climate Summary for COOP Climate Sites

Station	Precip.	Departure from normal	Precip. Rank	Station	Precip.	Departure from normal	Precip. Rank
Aguirre	4.17"	-0.21	25 th wettest	Morovis 1 N	10.69"	+0.91	25 th wettest
Calero Camp	3.03"	M	M	Paraíso	11.12"	-1.37	27 th driest
Corral Viejo Ponce	3.93"	M	M	Rincón	6.31"	M	24 th driest
Ensenada	2.76"	M	M	Río Blanco Lower	13.81"	-1.13	19 th driest
Guajataca Dam	7.44"	M	M	Sabana Grande 2 ENE	8.19"	+1.22	17 th wettest
Hacienda Constanza	15.01"	M	5 th driest	Yabucoa 3 SE	9.98"	M	M
Isabela Substation	6.72"	-3.17	25 th driest	Beth Upper New Works	M	M	M
Jájome Alto	6.62"	-4.29	10 th driest	Christiansted Fort	12.42"	-1.68	15 th driest
Juana Díaz Camp	4.37"	-0.47	45 th driest	Cruz Bay	4.82"	M	6 th wettest
Manatí 2 E	6.42"	+0.63	42 th wettest	East End	5.80"	+4.37	3 rd wettest
Maricao Fish Hatchery	10.53"	-1.07	33 th driest	East Hill	9.59"	-1.70	5 th driest
Mora Camp	5.84"	M	M	Montpellier	7.39"	M	M

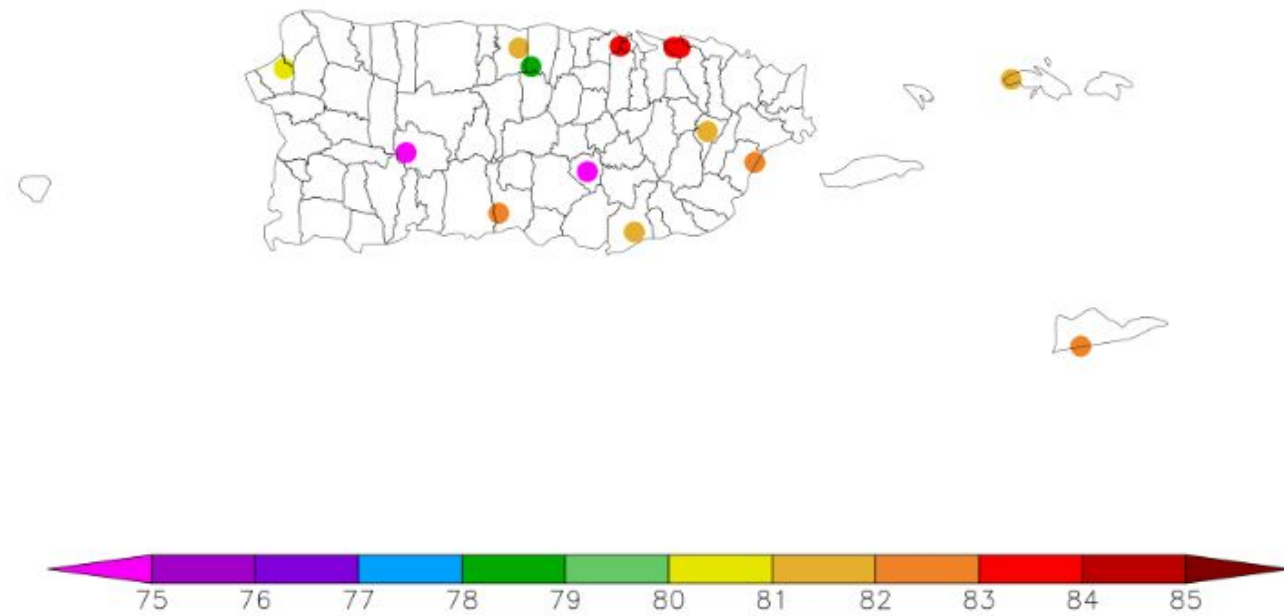
Records Began: Aguirre (1955), Calero Camp (1955), Corral Viejo (1970), Ensenada (1955), Guajataca Dam (1955), Hacienda Constanza (2011), Isabela Subs (1901), Jajome Alto (1955), Juana Díaz Camp (1931), Manatí 2 E (1900), Maricao Fish Hatchery (1955), Mora Camp (1955), Morovis 1 N (1956), Paraíso (1956), Rincón (1969), Río Blanco Lower (1955), Sabana Grande 2 ENE (1907), Yabucoa 3 SE (2023), Beth Upper New Works (1972), Christiansted Fort (1921), Cruz Bay (1972), East End (1972), East Hill (1972), Montpellier (1979)



Observed Temperature

Link to generate the latest [ACIS Climate Maps](#)

Temperature (F)
10/1/2025 – 10/31/2025

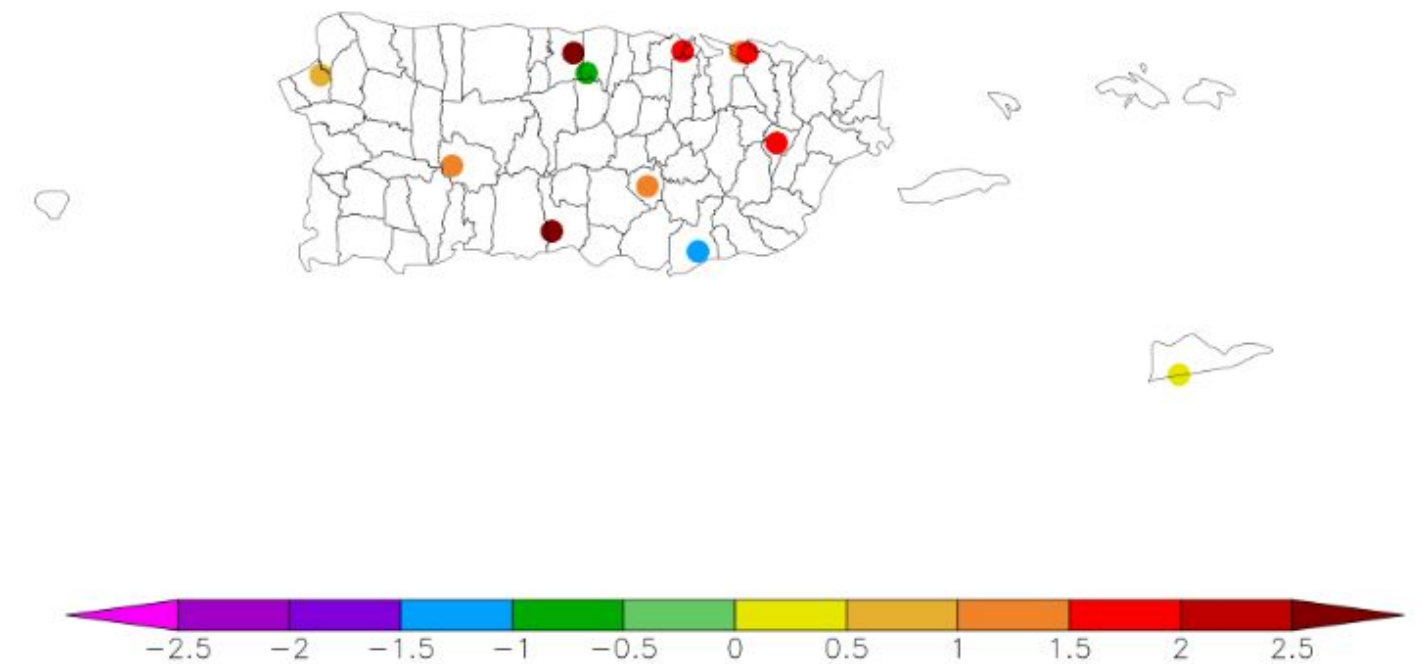


Generated 11/4/2025 using provisional data.

ACIS Web Services

- Temperatures have been mostly above normal across the majority of local sites, with the exception of some areas in southeastern Puerto Rico. The COOP station in Puerto Rico with the highest daily maximum temperature was Lajas Substation, which recorded **94°F**. In the U.S. Virgin Islands, two of the stations recording temperature data reported **90°F** as the highest maximum temperature.

Departure from Normal Temperature (F)
10/1/2025 – 10/31/2025



Generated 11/4/2025 using provisional data.

ACIS Web Services

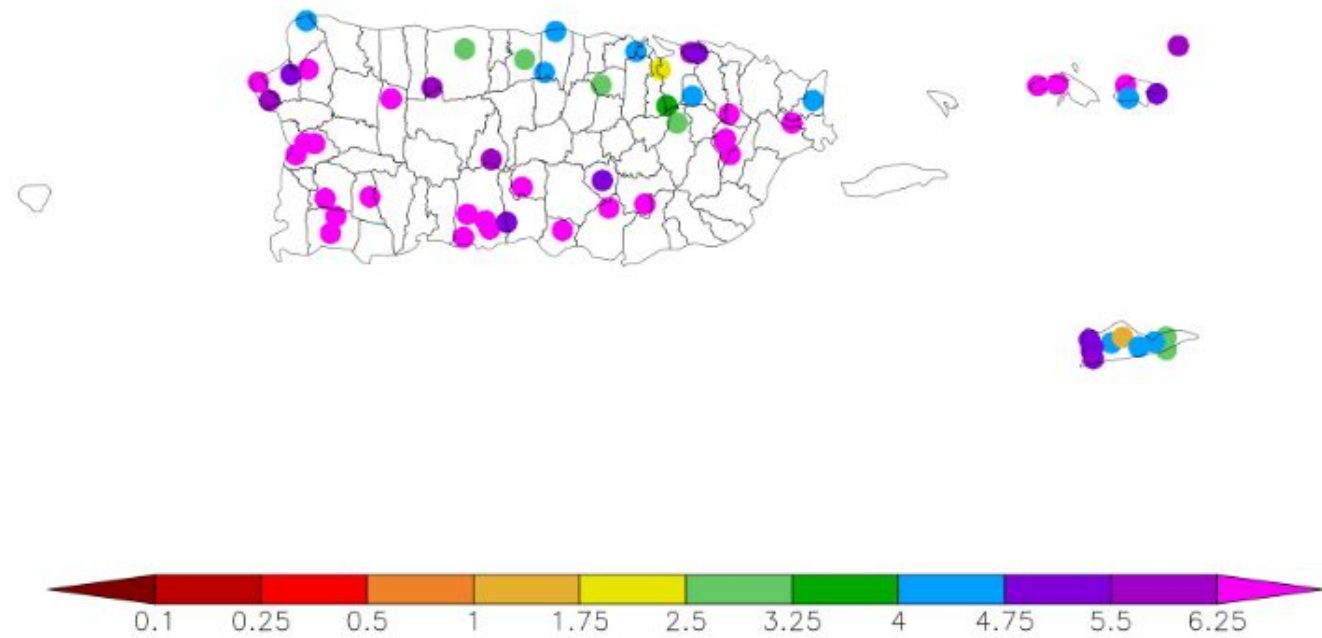
Image Captions:
Left - Observed Average Temperature for Puerto Rico and US Virgin Islands (COOP)
Right - Departure from normal temperature for Puerto Rico and US Virgin Islands (COOP)
Data Courtesy High Plains Regional Climate Center/NWS COOP Stations.



Observed Rainfall

Link to generate the latest [ACIS Climate Maps](#)

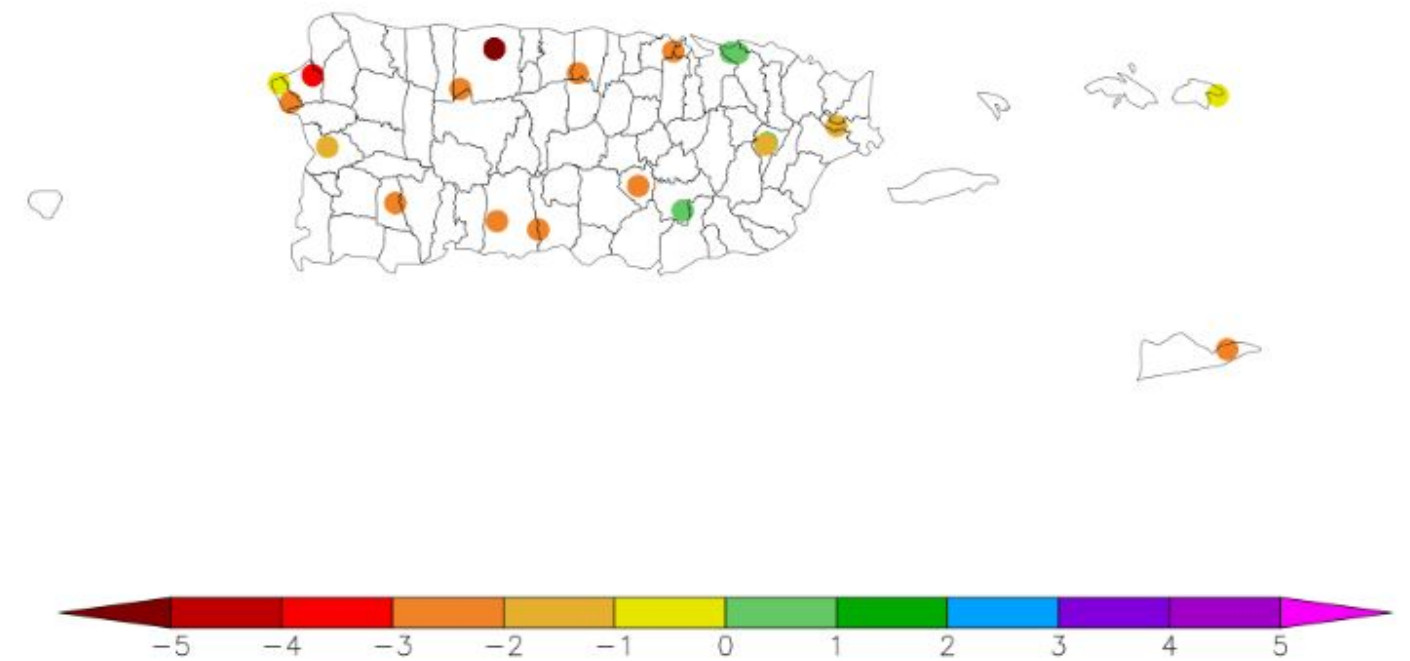
Precipitation (in)
10/1/2025 – 10/31/2025



Generated 11/4/2025 using provisional data.

ACIS Web Services

Departure from Normal Precipitation (in)
10/1/2025 – 10/31/2025



Generated 11/4/2025 using provisional data.

ACIS Web Services

- Most stations in Puerto Rico and the U.S. Virgin Islands ended below normal, with some exceptions in northern, and southern regions of Puerto Rico. The COOP station with the highest monthly rainfall accumulation was **Maricao Fish Hatchery** with **17.55"**. The CoCoRaHS station with the highest monthly rainfall accumulation was **Lares 2.0 NNE** with **12.63"**.

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)

- Plenty of areas in the west, west interior, southeast and east of Puerto Rico ended with rainfall amounts of 10 to 15 inches, with isolated areas just below 20 inches of rainfall.
- A lot less rainfall fell in the northern interior, with amounts below 5 inches in general. Other areas in the interior saw 5 to 10 inches.
- In U.S. Virgin Islands, the heaviest rainfall occurred over St. Thomas and St. John, with areas of 6 to 15 inches.
- Across St. Croix, amounts were lighter with areas in the west around 5 inches, and less than 3 inches in the northeast and eastern tip.

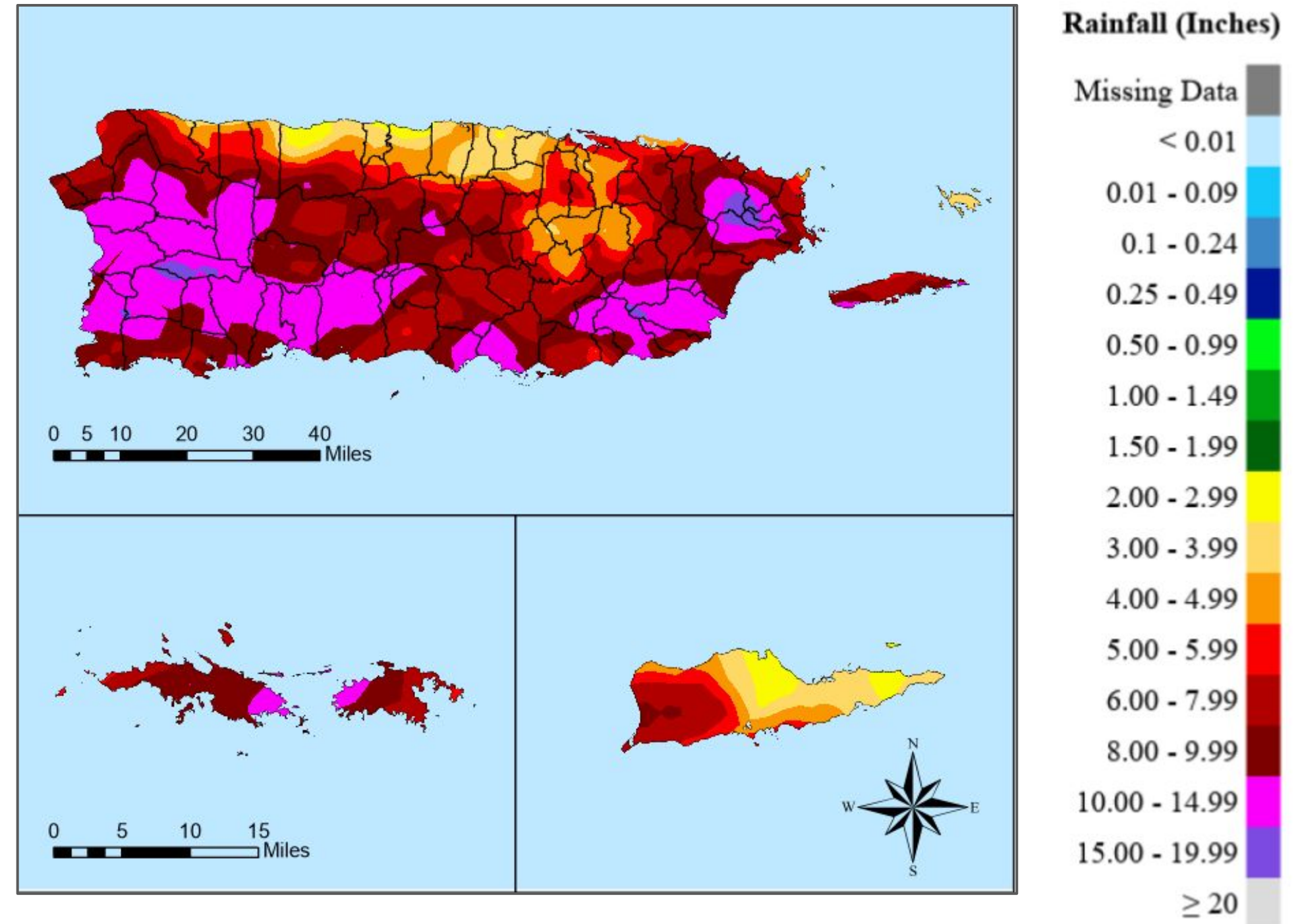


Image Captions:

Estimated Rainfall for the month of October. This map is courtesy of the NWS SJU GIS Team.



Departure from Normal Rainfall

Estimated Departure from normal was obtained from [NWPS](#).

- Mostly below normal rainfalls were observed across Puerto Rico. The east, interior and north saw amounts of 1 to 5 inches below normal.
- In contrast, the south and west saw 5 to 8 inches above normal, mostly associated with the most outer bands of Hurricane Melissa.

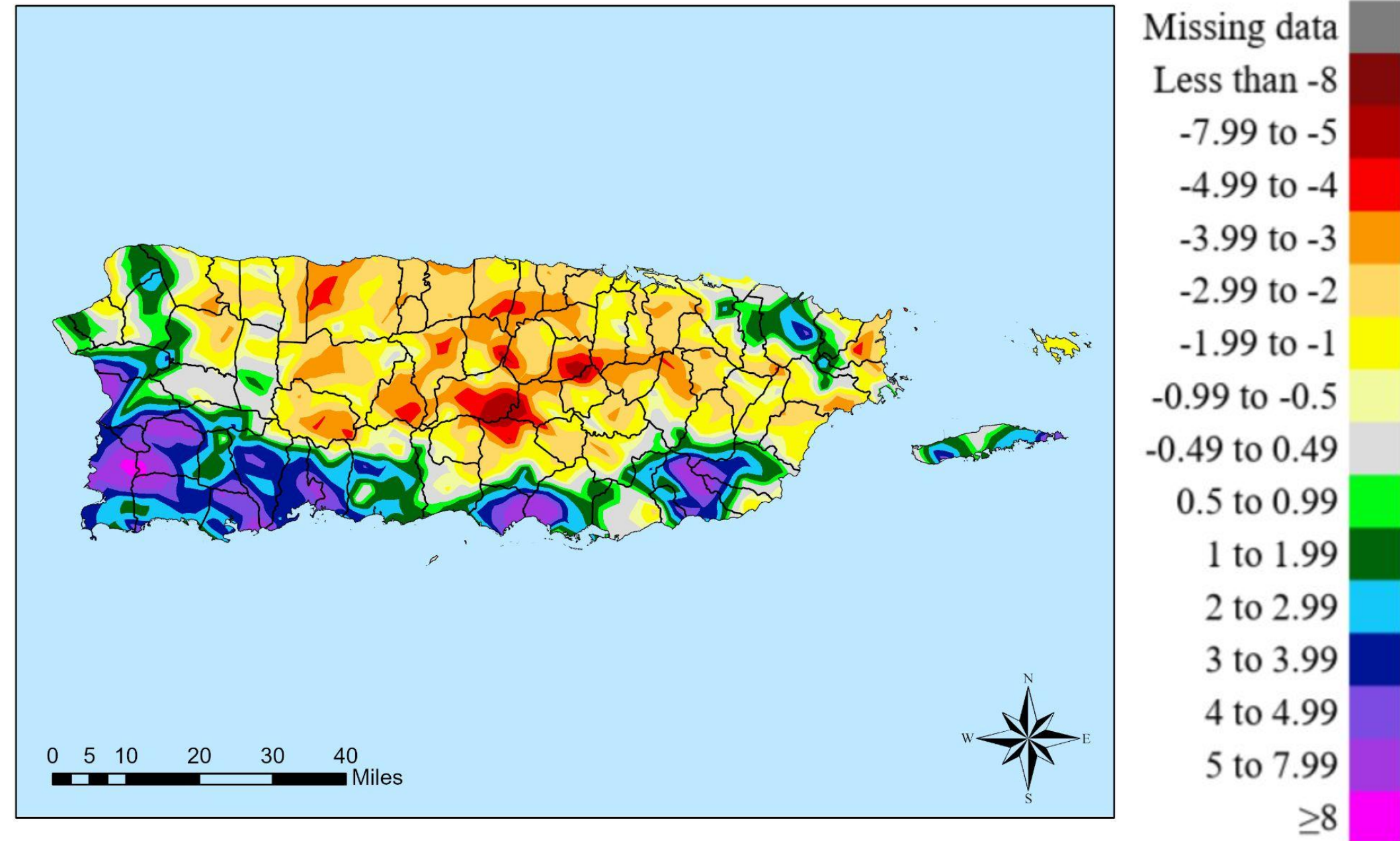


Image Captions:

Estimated Departure from Normal Rainfall for Puerto Rico during the month of September. 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](#)

- The 28-day average streamflow from the USGS river gauge network indicates that the rivers in the west and interior are running near normal, but below normal streams continue in the east. 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)	1
Flash Flood Warnings (SJUFFWSJU)	5
Urban/Small Stream Flood Advisories (SJUFLSSJU)	82
Local Storm Reports (SJULSRSJU)	41

Latest Monthly Average Streamflow from USGS

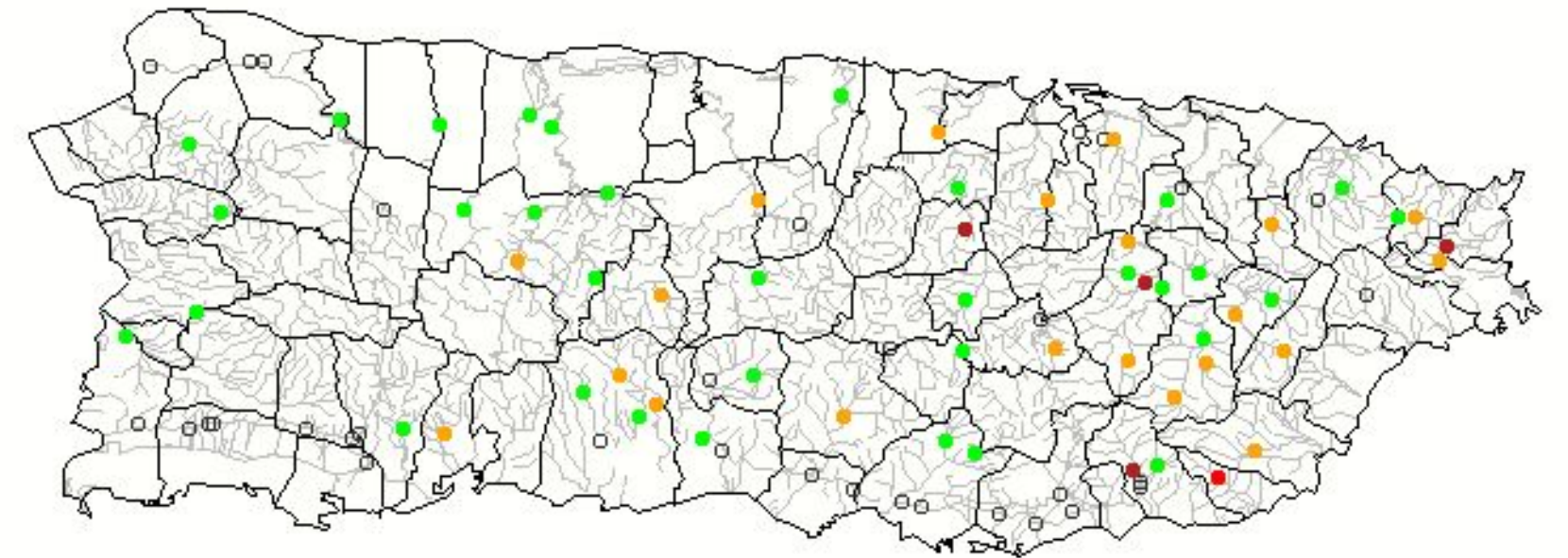


Image Caption: October 2025 compared to historical streamflows for Puerto Rico.

Explanation - Percentile classes							
Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High	Not-ranked



Soil Saturation

The latest soil moisture information for Puerto Rico can be found on [PRAGWATER](#)

The latest data retrieved from PRAGWATER indicate drier conditions (in red and orange) mainly across the northern coasts, and the eastern interior. The same areas show a little vegetation stress.

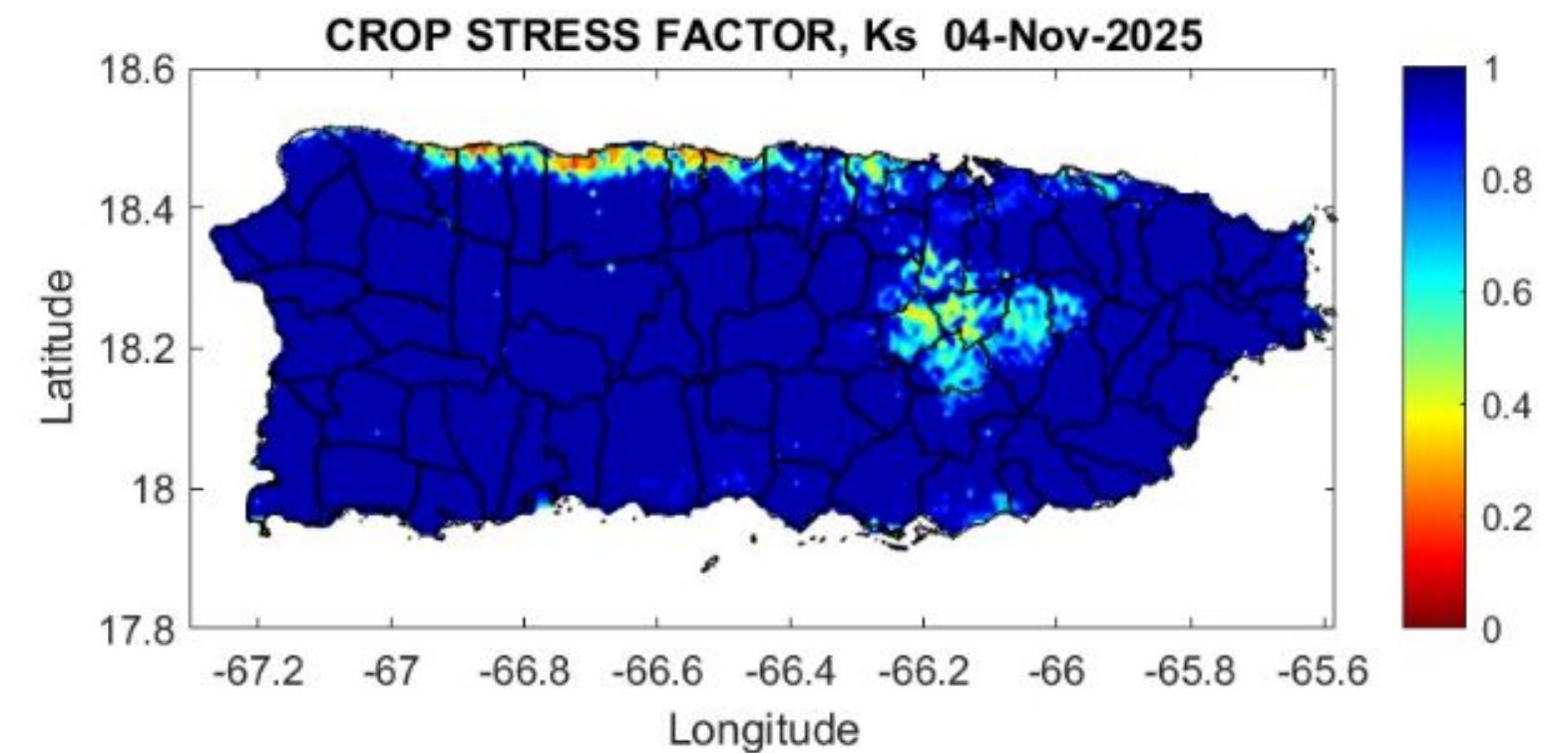
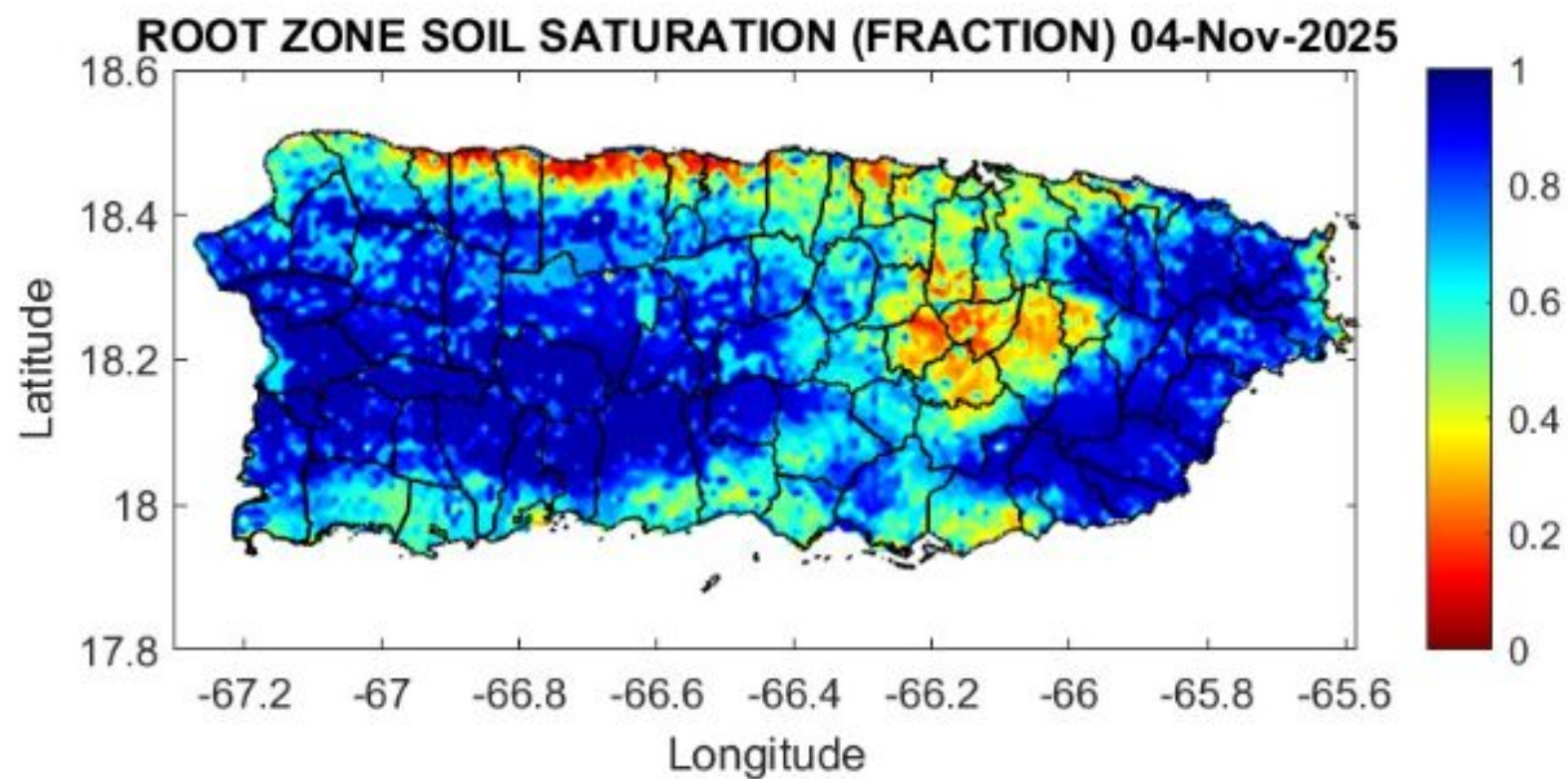


Image Caption: (Left) Crop Stress Factor for Puerto Rico. (Right) Root Zone Soil Saturation Fraction. Soil saturation: 1=Saturated. Crop Stress Factor: 0=high

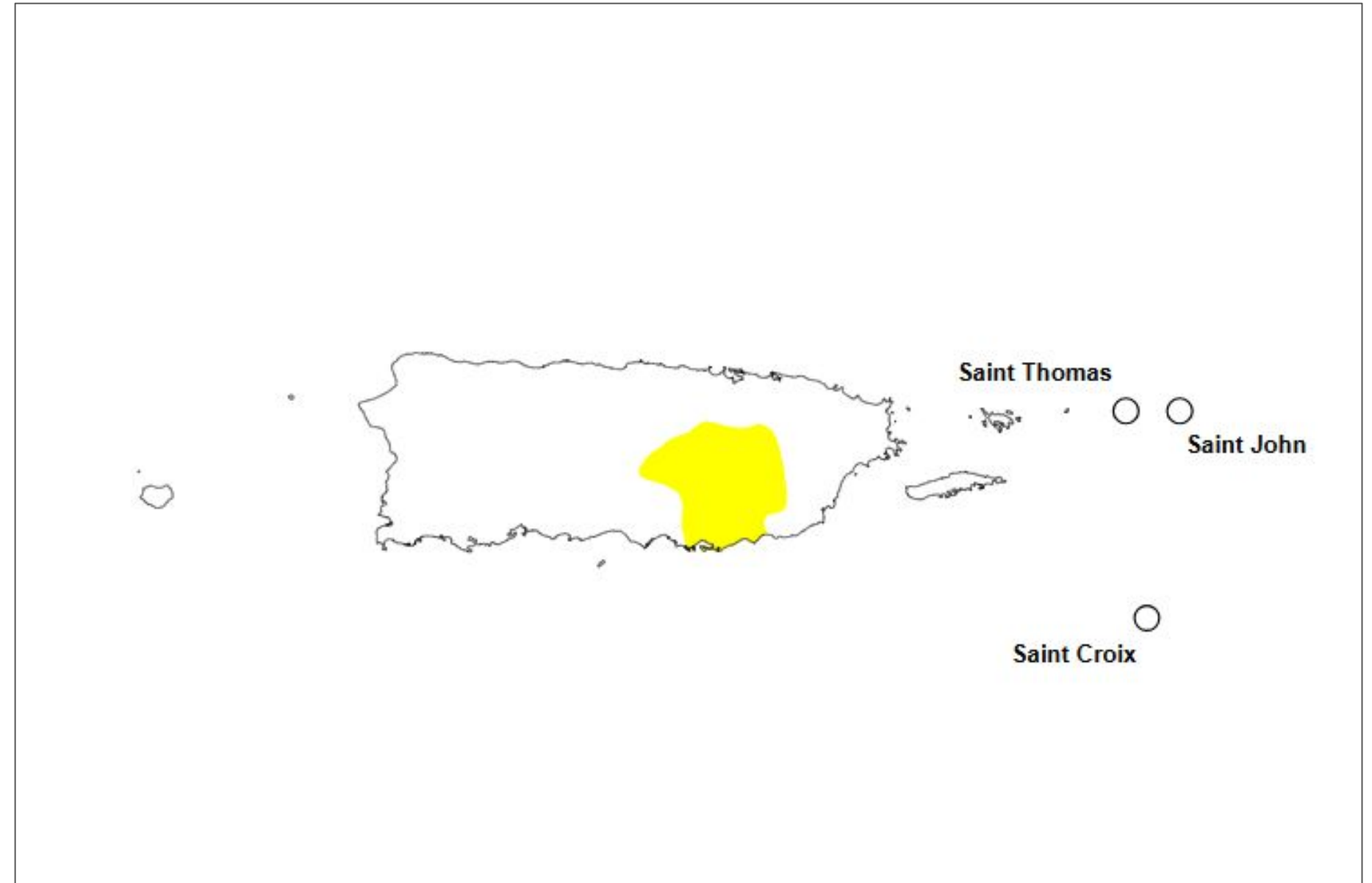


U.S. Drought Monitor

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

DROUGHT CONDITIONS:

Abnormally Dry conditions (D0) persists along southeastern Puerto Rico.



U.S. Drought Monitor



Image Caption: U.S. Drought Monitor valid 8am EDT September 30th, 2025



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, one class deterioration was observed along the eastern interior.
- On the other hand, a little bit of improvement have been observed over Salinas.

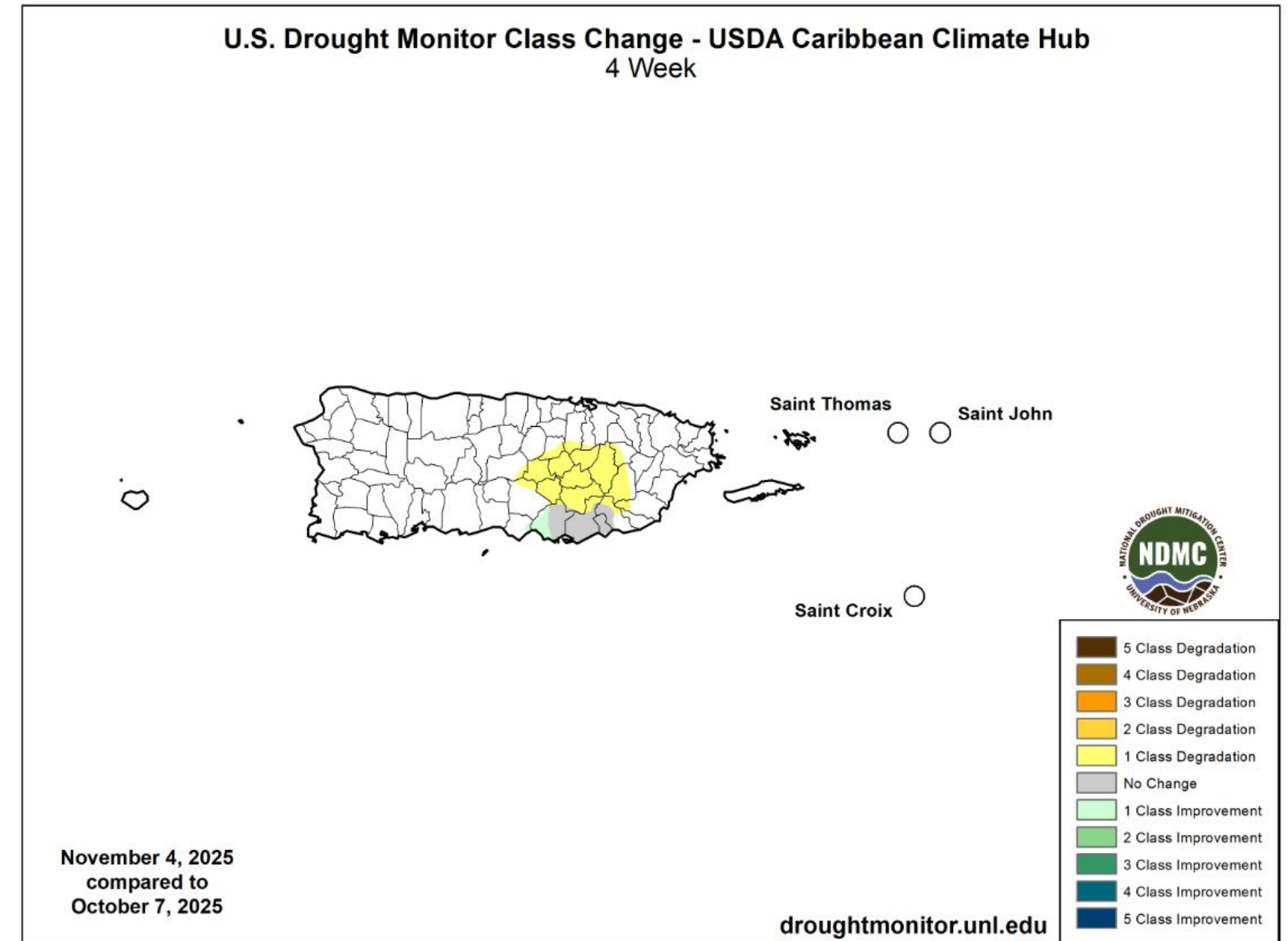


Image Caption: U.S. Drought Monitor 4-week change map valid 8am EDT Nov 4th, 2025.



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 nearly [50-60% chance of above-normal precipitation](#) during the winter months (December 2025–January 2026–January 2026) across the northeastern Caribbean.

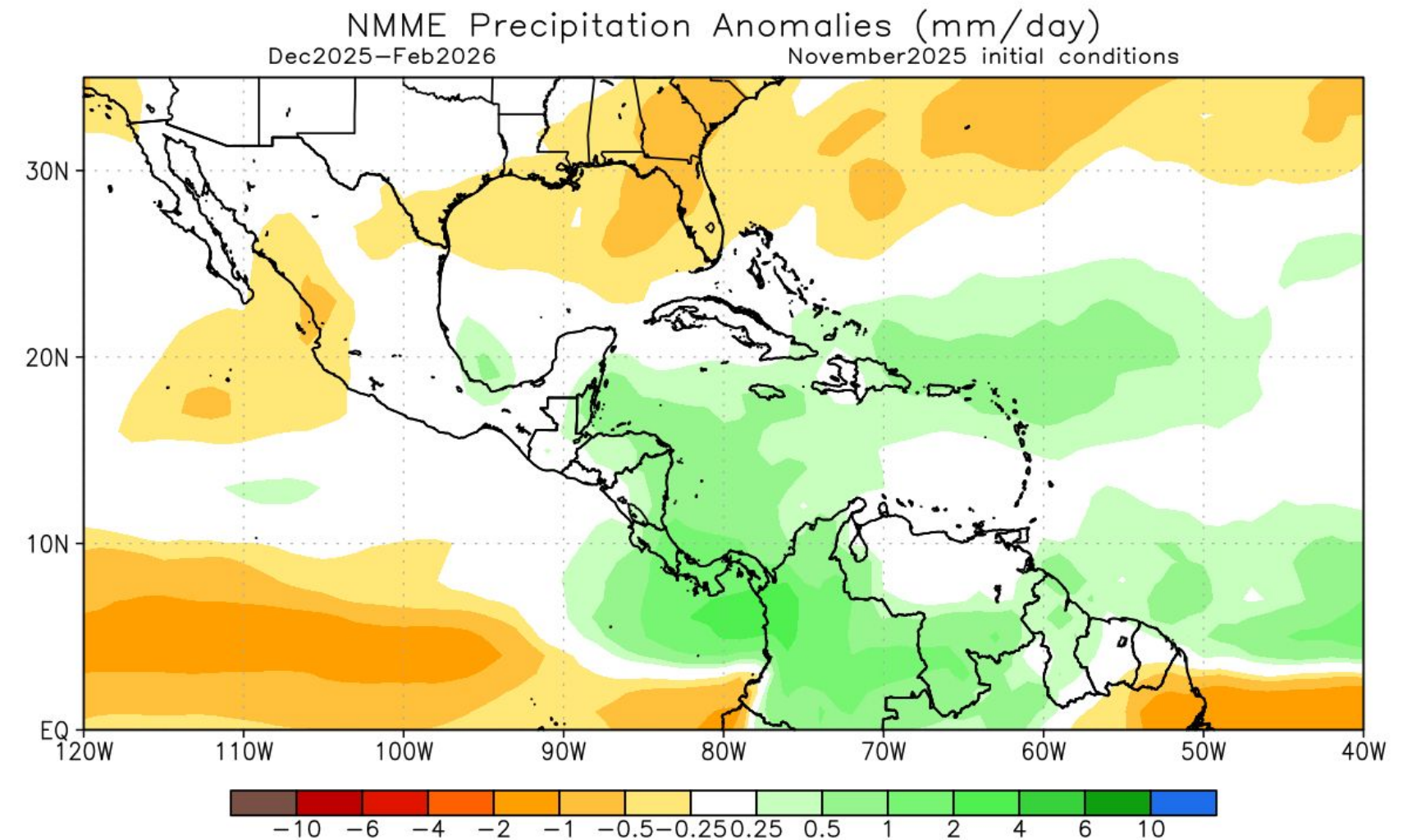


Image caption: NMME precipitation forecast issued November 2025. Valid December 2025 - February 2026.



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 chance greater or equal than 70% above-normal temperatures during the winter months (December 2025-February 2026) across the northeastern Caribbean.

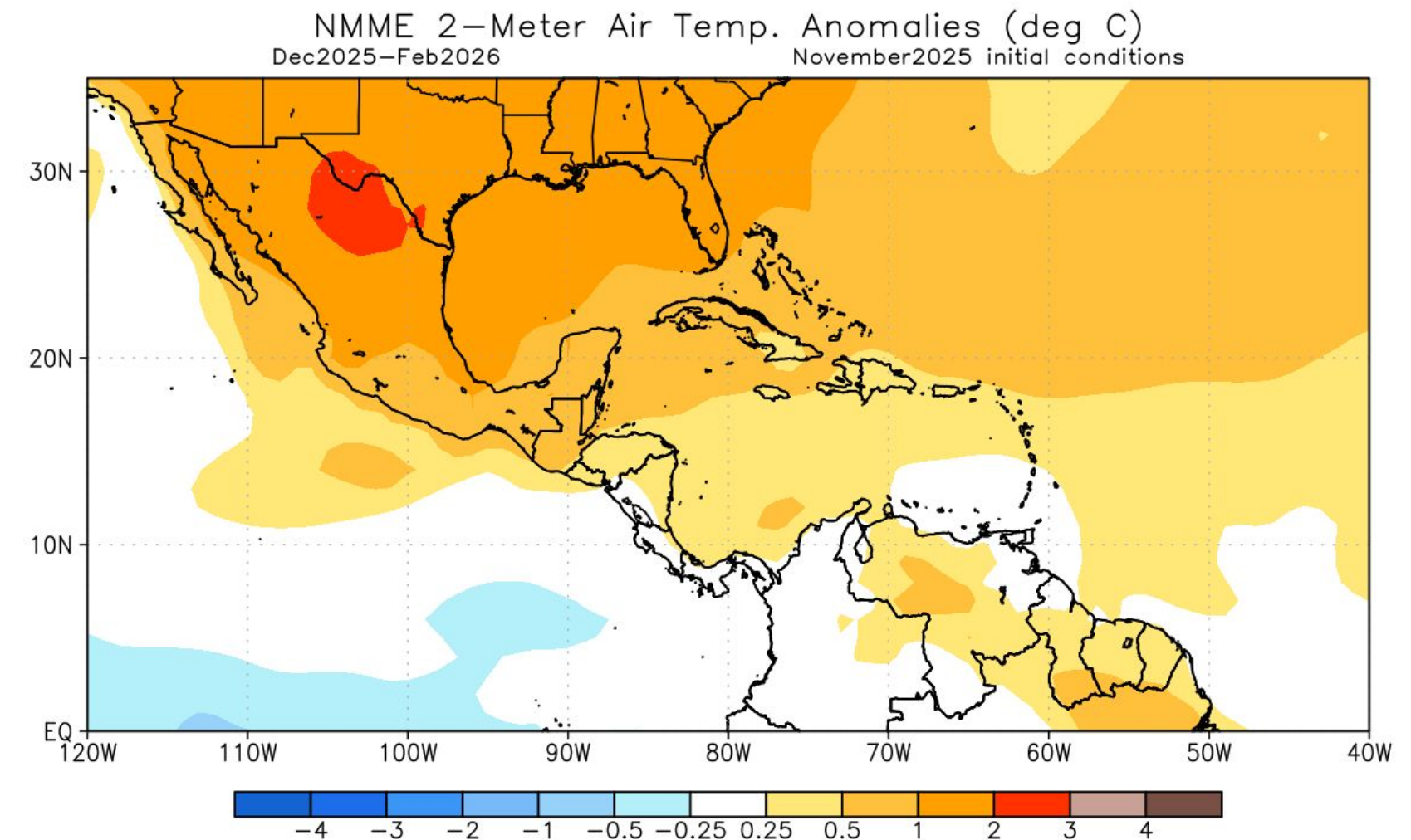


Image caption: NMME temperature forecast issued November 2025. Valid December 2025-February 2026.



Long Range Drought Outlook

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

**Seasonal (3-Month) Drought Outlook for October 31,
2025–January 31, 2026**

- Based on the expected conditions, no drought is expected to develop in Puerto Rico nor the Virgin Islands over the upcoming three months.



Drought Is Predicted To...



Source(s): Climate Prediction Center; image courtesy of Drought.gov

Last Updated: 10/31/25

Image Caption: U.S. Seasonal Drought Outlook Valid for October 31st 2025 to January 31st 2026.