



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

Valid for June 2025

Issued By: WFO San Juan, PR

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





June Climate Summary for Primary Climate Sites

San Juan Area

(Period of Record: 1898 to present)

Highest: **91 °F** on the 1st
Lowest: **76 °F** on the 4-6, 9, 13, 14 & 28th
Average: 83.0 °F (**-0.1**; below normal)
Rain Total: 4.01" (**-0.65**; below normal)

Days with $T_{\max} \geq 90$ °F: 4
Nights with $T_{\min} \geq 80$ °F: 2
Days with Rain (≥ 0.01 "): 23

Rankings:

28th warmest
56th driest

Remarks:

3rd month in a row with below normal temps.

1 day missing Max T and precipitation.

St. Thomas

(Period of Record: 1953 to present)

Highest: **93 °F** on the 25, 26 & 28th
Lowest: **76 °F** on the 4th
Average: 85.1 °F (**+1.0** above normal)
Rain Total: 0.84" (**-1.51**; below normal)

Days with $T_{\max} \geq 90$ °F: 22
Nights with $T_{\min} \geq 80$ °F: 18
Days with Rain (≥ 0.01 "): 9

Rankings:

8th warmest
16th driest

Remarks:

St. Croix

(Period of Record: 1951 to present)

Highest: **89 °F** on the 25, 26 & 29th
Lowest: **74 °F** on the 5th
Average: 82.4 °F (**-0.4**; below normal)
Rain Total: 1.41" (**-0.51**; below normal)

Days with $T_{\max} \geq 90$ °F: 0
Nights with $T_{\min} \geq 80$ °F: 1
Days with Rain (≥ 0.01 "): 10

Rankings:

16th coolest
25th driest

Remarks:

2 days missing precipitation.



June Climate Summary for COOP Climate Sites

Station	Highest	Lowest	Avg. Temp.	Departure from normal	Temp. Rank	Precip.	Departure from normal	Precip. Rank
Adjuntas Substation	87 °F	59 °F	73.5 °F	-0.5	24 th warmest	1.68"	-2.89	9 th driest
Aibonito 1 S	85 °F	66 °F	75.1 °F	+0.7	11 th warmest	1.30"	-1.83	17 th driest
Arecibo Observatory	93 °F	66 °F	78.2 °F	+1.9	9 th warmest	5.23"	-1.48	17 th driest
Coloso Aguada	93 °F	70 °F	80.6°F	+0.2	23 th warmest	8.25"	-0.45	34 th driest
Dos Bocas	94 °F	70 °F	80.7°F	+0.3	15 th warmest	3.64"	-2.17	21 st driest
Guayama 1 SW	93 °F	73 °F	83.4 °F	+0.4	15 th warmest	0.87"	-3.71	5 th driest
Juncos 1 SE	90 °F	69 °F	80.2 °F	+0.3	34 th warmest	2.85"	-2.39	17 th driest
Magueyes Island	90 °F	73 °F	82.9°F	-0.2	27 th warmest	1.70"	-0.84	19 th wettest
Palmarejo Vega Baja	90 °F	67 °F	78.1 °F	-1.8	3 th coolest	0.55"	-4.06	2 nd driest
Ponce 4 E	93 °F	70 °F	83.1 °F	+2.9	7 th warmest	1.32"	-0.84	44 th driest
Toro Negro Forest	87 °F	62 °F	73.7 °F	M	6 th warmest	2.31"	-3.12	7 th driest
Trujillo Alto 2 SSW	92 °F	71 °F	82.0 °F	+1.2	15 th warmest	0.77"	-3.76	1 st driest

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)



June Climate Summary for COOP Climate Sites

Station	Precip.	Departure from normal	Precip. Rank	Station	Precip.	Departure from normal	Precip. Rank
<i>Aguirre</i>	0.44"	-2.48	8 th driest	<i>Morovis 1 N</i>	0.25"	-4.11	2 nd driest
<i>Calero Camp</i>	0.45"	-5.06	1 st driest	<i>Paraíso</i>	3.77"	-3.48	10 th driest
<i>Corral Viejo Ponce</i>	2.46"	-1.06	26 th driest	<i>Rincón</i>	6.99"	M	9 th wettest
<i>Ensenada</i>	M	M	M	<i>Río Blanco Lower</i>	6.14"	-1.94	14 th driest
<i>Guajataca Dam</i>	4.93"	-0.77	17 th driest	<i>Sabana Grande 2 ENE</i>	M	M	M
<i>Hacienda Constanza</i>	11.07"	M	4 th wettest	<i>Yabucoa 3 SE</i>	1.47"	M	M
<i>Isabela Substation</i>	1.06"	-4.49	2 nd driest	<i>Beth Upper New Works</i>	M	M	M
<i>Jajome Alto</i>	5.18"	-0.15	33 th driest	<i>Christiansted Fort</i>	1.44"	-1.23	17 th driest
<i>Juana Díaz Camp</i>	0.64"	-1.90	17 th driest	<i>Cruz Bay</i>	0.49"	M	8 th driest
<i>Manatí 2 E</i>	0.45"	-2.96	6 th driest	<i>East End</i>	1.00"	-1.25	10 th driest
<i>Maricao Fish Hatchery</i>	7.74"	+1.78	32 th wettest	<i>East Hill</i>	1.02"	-0.92	14 th driest
<i>Mora Camp</i>	1.09"	-3.63	1 st driest	<i>Montpellier</i>	2.46"	-0.09	14 th wettest

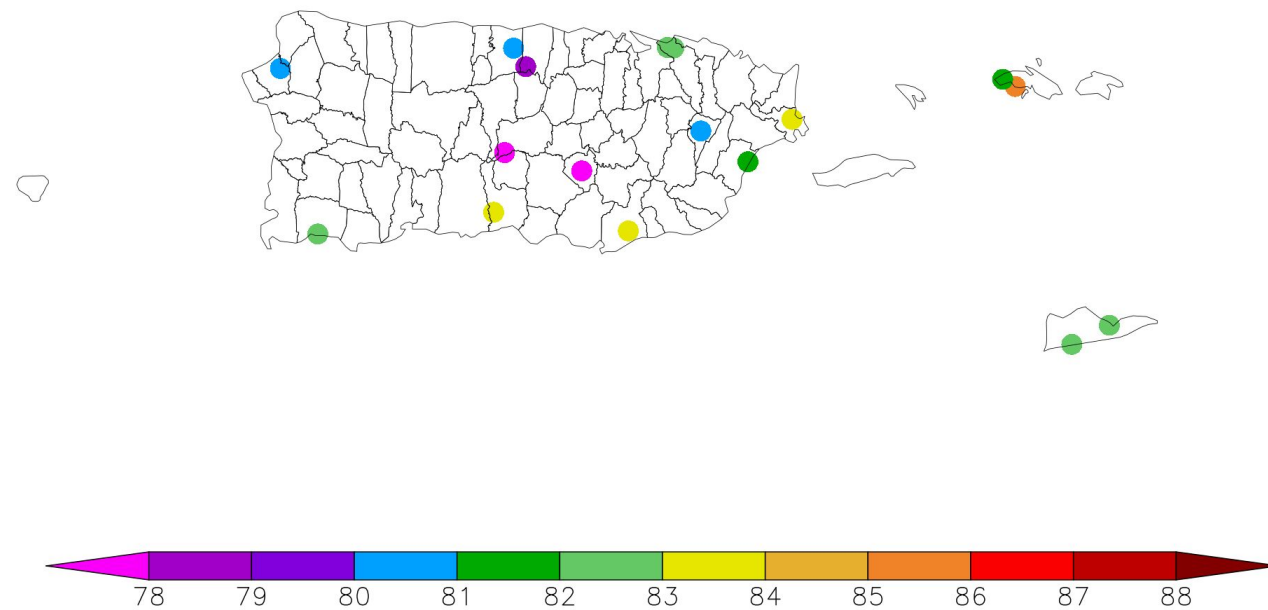
Records Began: Aguirre (1955), Calero Camp (1955), Corral Viejo (1970), Ensenada (1955), Guajataca Dam (1955), Hacienda Constanza (2011), Isabela Subs (1901), Jajome Alto (1955), Juana Díaz Camp (1931), Manatí 2 E (1900), Maricao Fish Hatchery (1955), Mora Camp (1955), Morovis 1 N (1956), Paraíso (1956), 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)
6/1/2025 – 6/30/2025

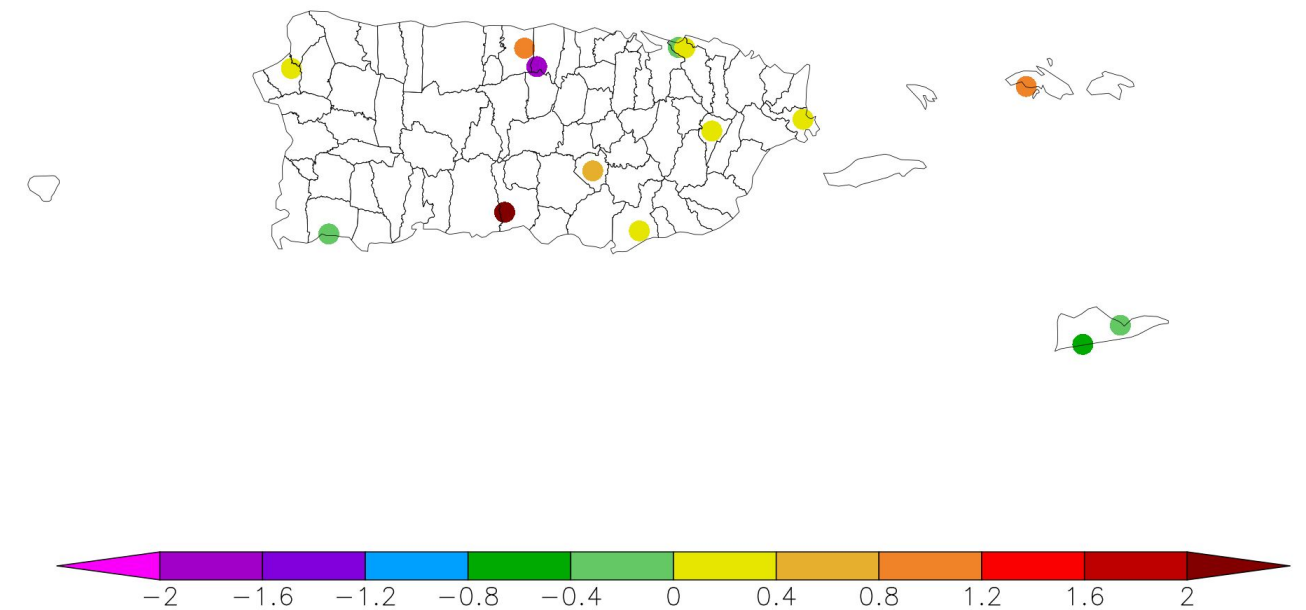


Generated 7/4/2025 using provisional data.

ACIS Web Services

- Temperatures across the majority of the local sites have been mostly above normal, with some exceptions along the north central coast of Puerto Rico and St. Croix. The COOP station with the highest daily maximum temperature was Aguirre with **97°F**.

Departure from Normal Temperature (F)
6/1/2025 – 6/30/2025



Generated 7/4/2025 using provisional data.

ACIS Web Services

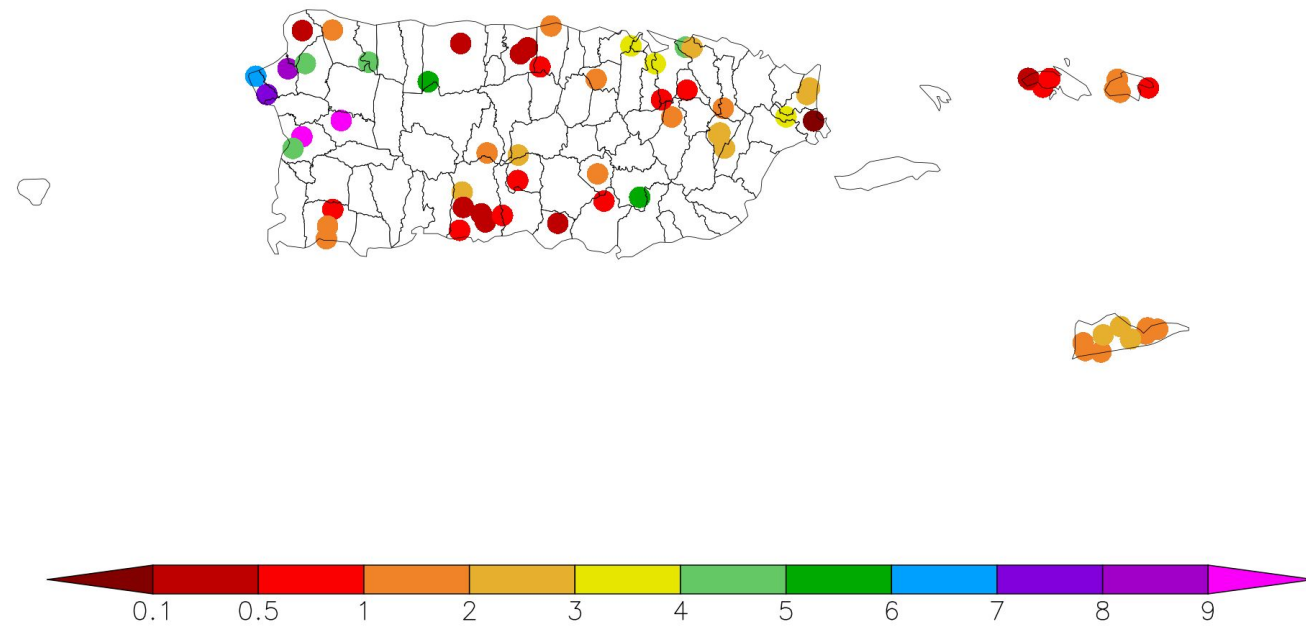
Image Captions:
Left - Observed Average Temperature for Puerto Rico and US Virgin Islands (COOP)
Right - Departure from normal temperature for Puerto Rico and US Virgin Islands (COOP)
Data Courtesy High Plains Regional Climate Center/NWS COOP Stations.



Observed Rainfall

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

Precipitation (in)
6/1/2025 – 6/30/2025

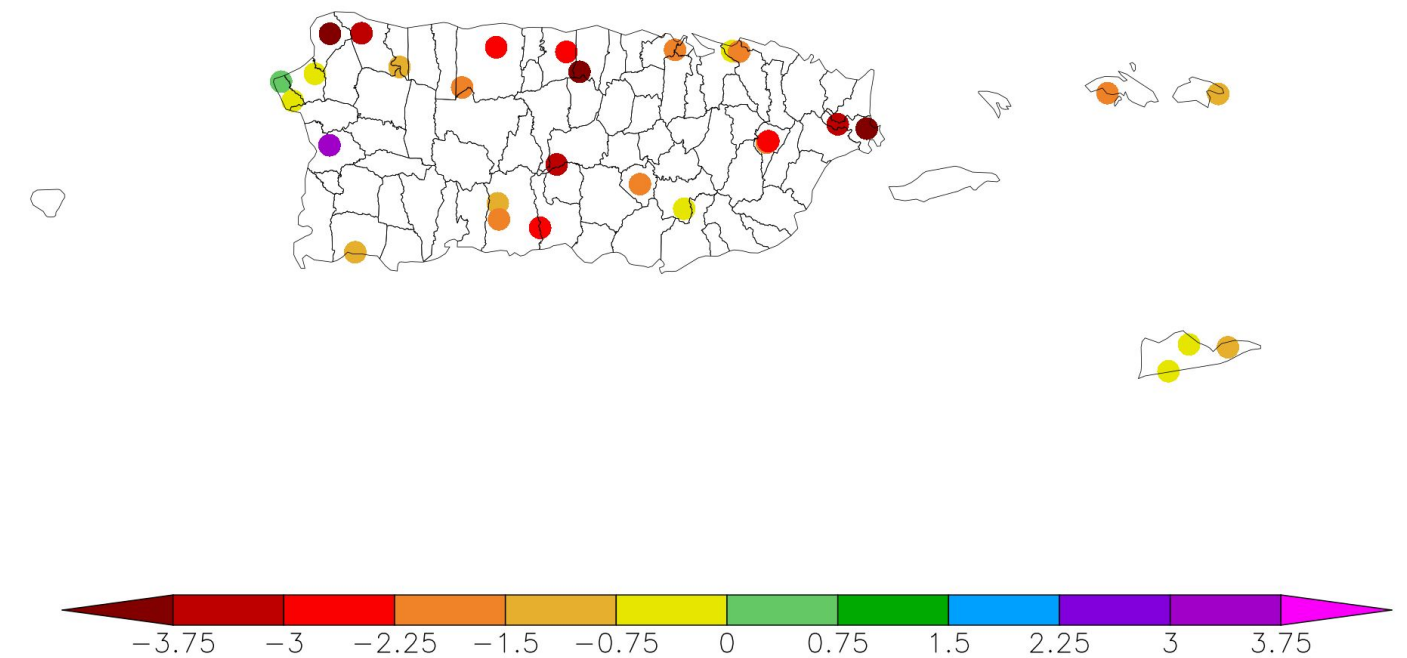


Generated 7/4/2025 using provisional data.

ACIS Web Services

- Most stations in Puerto Rico and the U.S. Virgin Islands ended below normal, with some exceptions along western Puerto Rico. The COOP station with the highest monthly rainfall accumulation was **Hacienda Constanza 2 W** in Mayaguez, with **11.07"**. The CoCoRaHS station with the highest monthly rainfall accumulation was **Las Marias 9.6 ESE** with **11.17"**.

Departure from Normal Precipitation (in)
6/1/2025 – 6/30/2025



Generated 7/4/2025 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.



Estimated Rainfall

Estimated Rainfall was obtained from MRMS [NWPS](#) (Puerto Rico), and COOP and [CoCoraHS](#) (Virgin Islands)

- The greatest rainfall activity was observed along the western interior and west sections, specifically from Utuado to Mayagüez. Añasco, saw amounts surpassing 15 inches.
- Between five to eight inches were observed across the eastern municipalities.
- Rainfall accumulation was not too significant along the southern plains and interior sections, with amounts less than two inches.
- In the Virgin Islands, rainfall amounts were nearly an inch for St. John, less than an inch for St. Thomas, but it was wetter for St. Croix, with rainfall ranging from 2 to 4 inches.

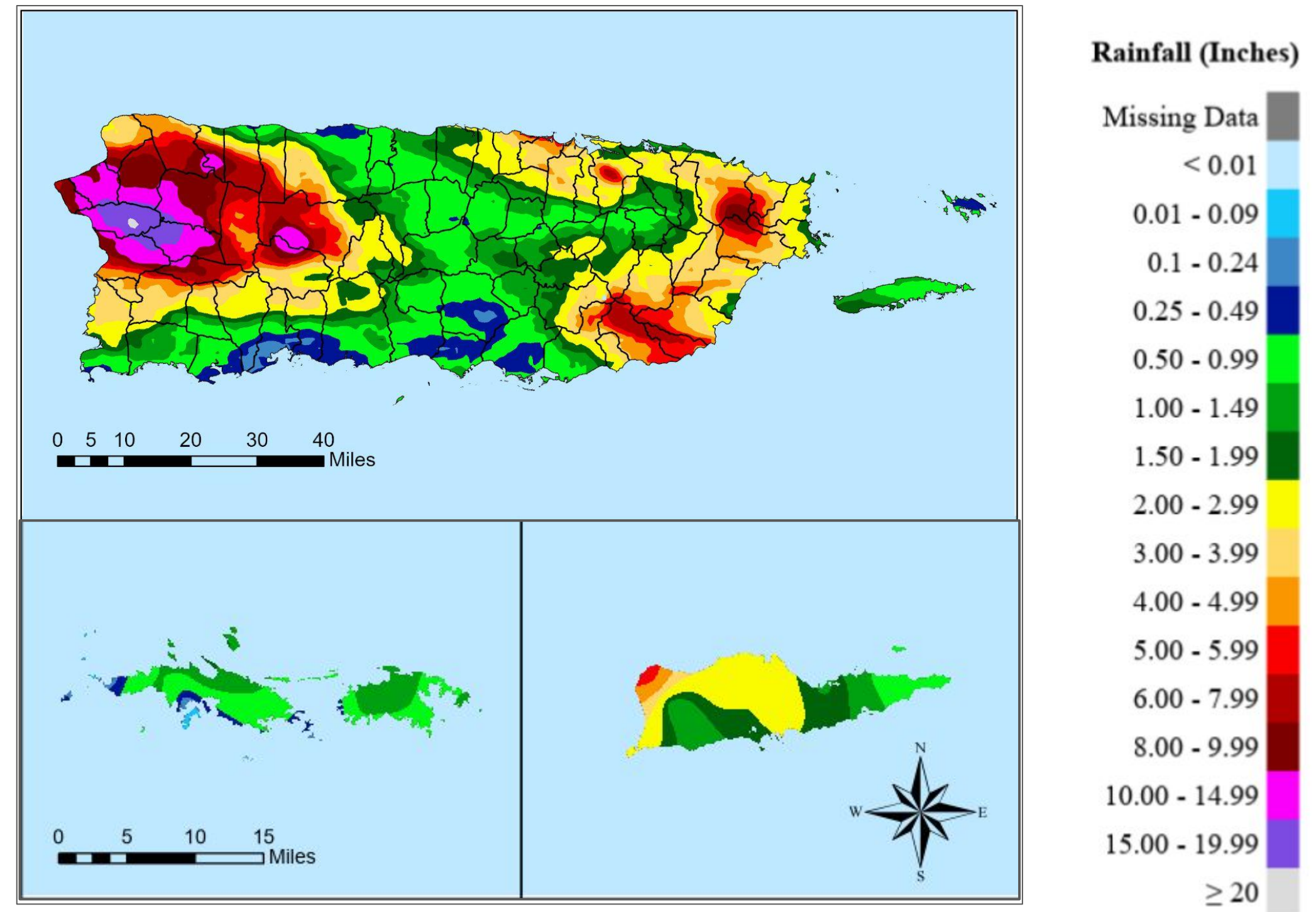


Image Captions:

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



Departure from Normal Rainfall

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

- Above-normal precipitation was observed across the western interior and the municipality of Utuado. In that area, rainfall accumulations were 4 to 8 inches above normal.
- In contrast, the rest of the area, below-normal precipitation was experienced. The rainfall deficits ranged from 1 to 5 inches in these areas.

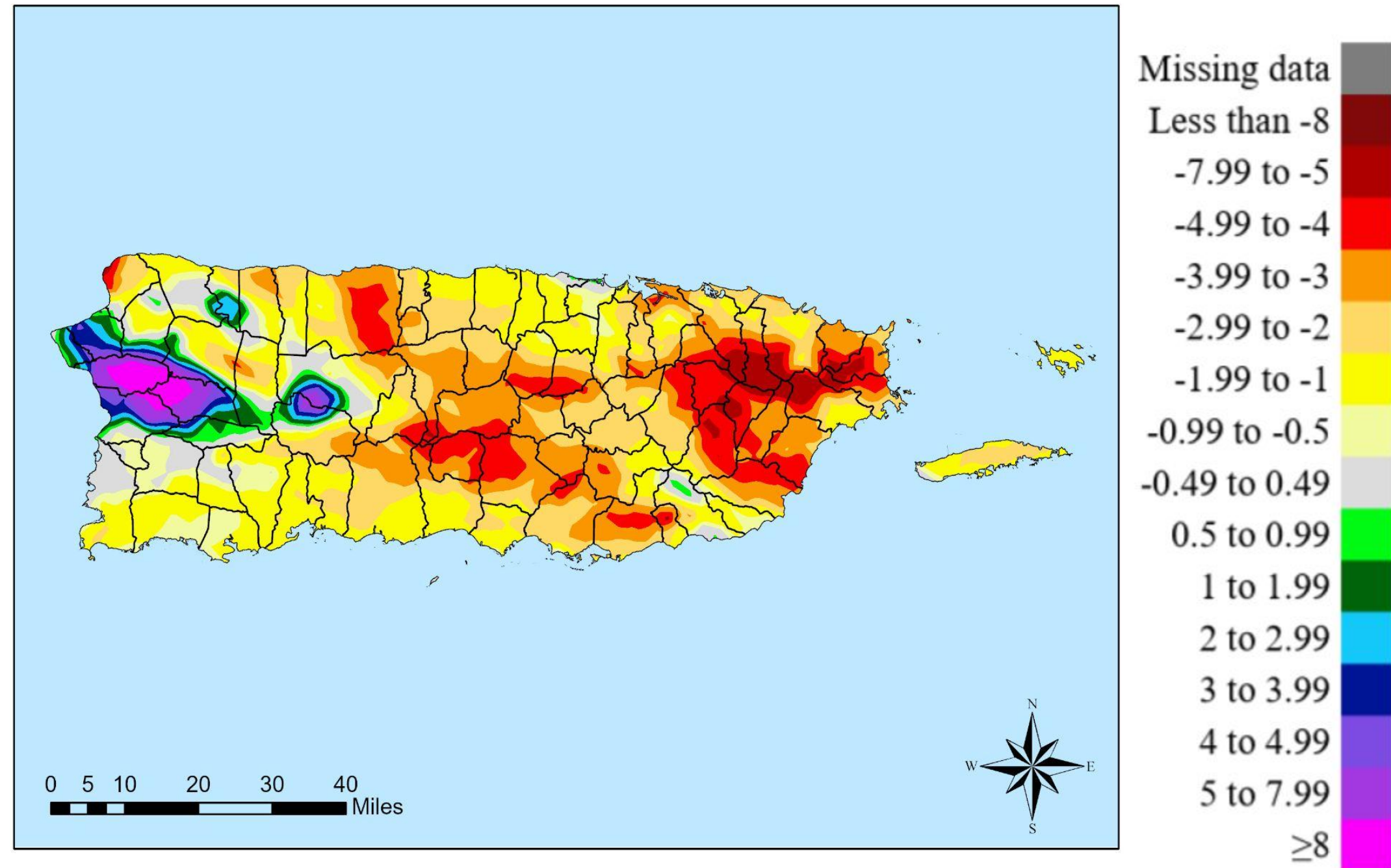


Image Captions:

Estimated Departure from Normal Rainfall for Puerto Rico during the month of June. 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 all the streamflows running near normal to much above normal. For Reservoir levels, click [here](#). For selected USGS monitored wells across southern Puerto Rico, click [here](#).

Non-Routine Hydrologic Products	Products issued for the month
Hydrologic Outlooks (SJUESFSJU)	1
Flood Watches (SJUFFASJU)	0
Flood Warnings (SJUFLWSJU)	0
Flash Flood Warnings (SJUFFWSJU)	1
Urban/Small Stream Flood Advisories (SJUFLSSJU)	19
Local Storm Reports (SJULSRSJU)	1

Latest Monthly Average Streamflow from USGS

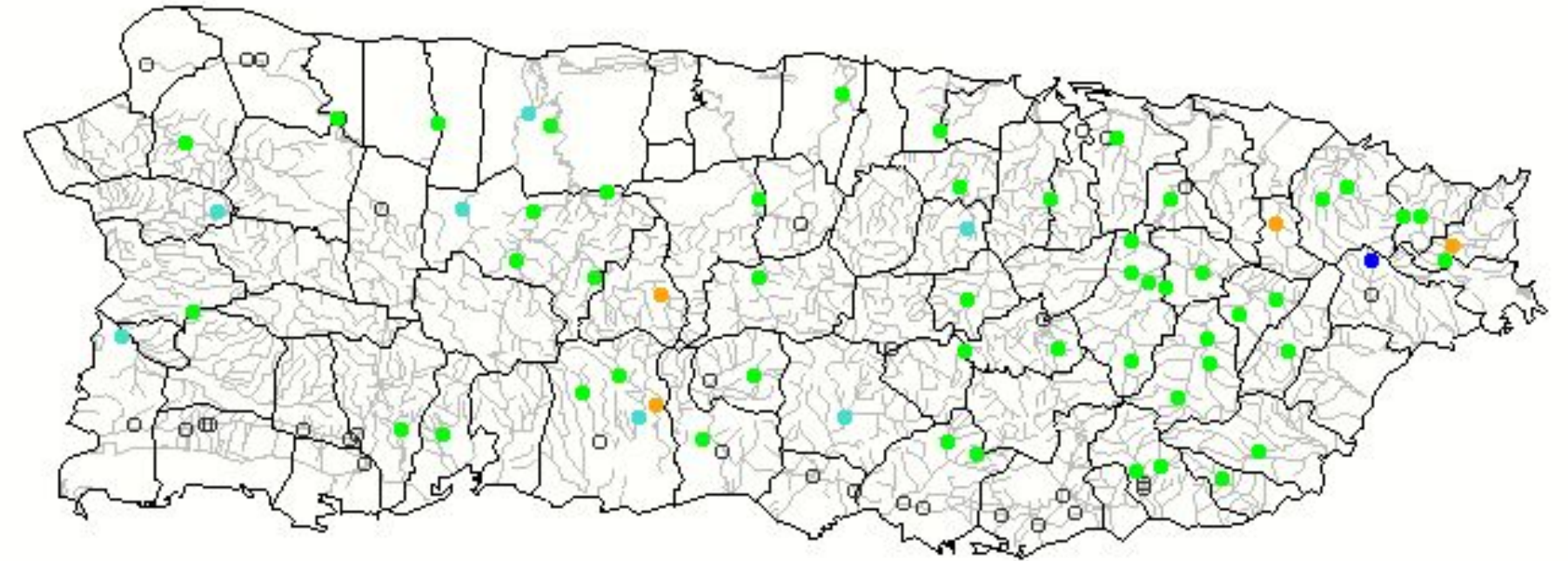


Image Caption: May 2025 compared to historical streamflows for Puerto Rico.

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 indicating drier conditions (in red and orange) mainly across the southern and northwestern regions, while higher soil moisture values (in blue) persist in the interior and northeastern areas. Vegetation stress is also observed along the southern plains and in the extreme northwest corner.

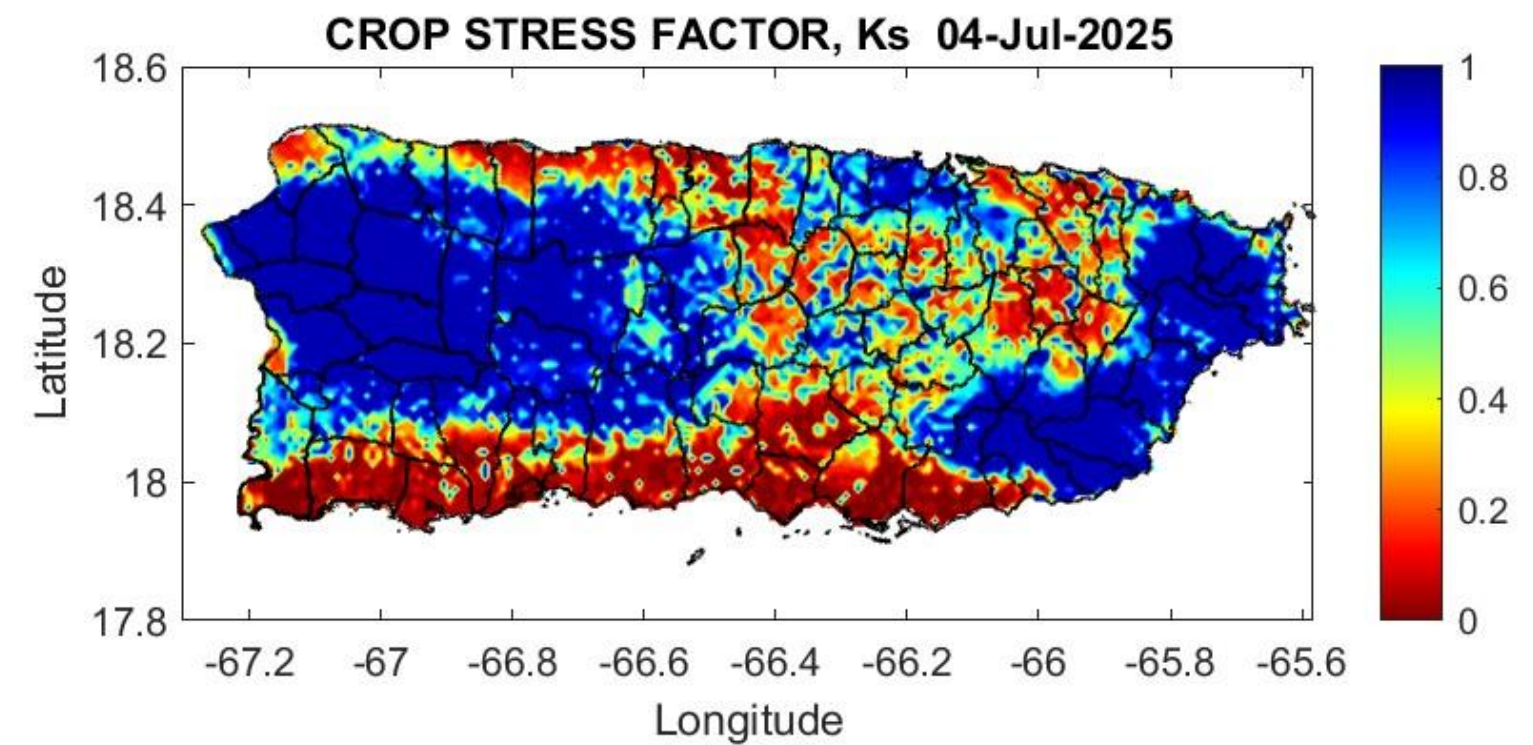
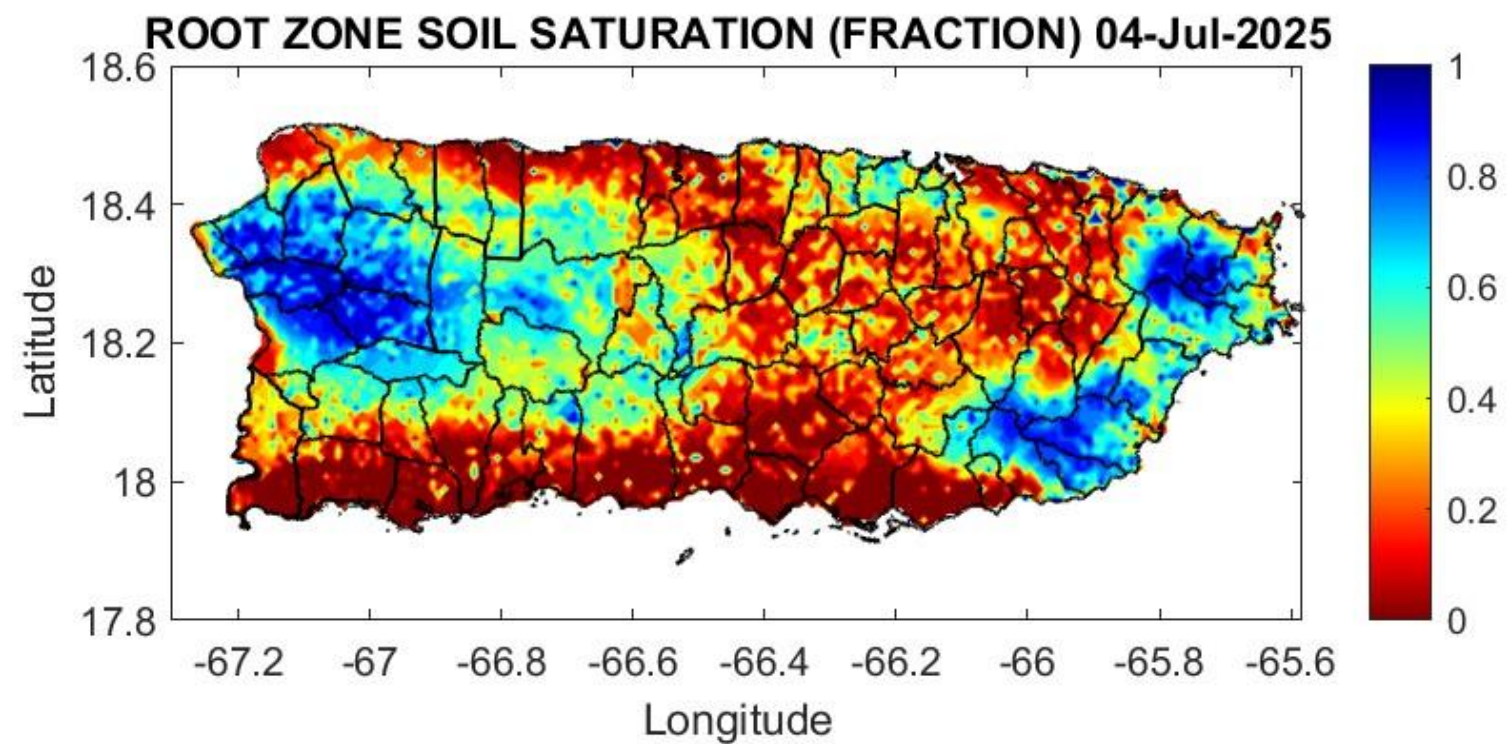


Image Caption: (Left) Crop Stress Factor for Puerto Rico. (Right) Root Zone Soil Saturation Fraction. Soil saturation: 1=Saturated. Crop Stress Factor: 0=high

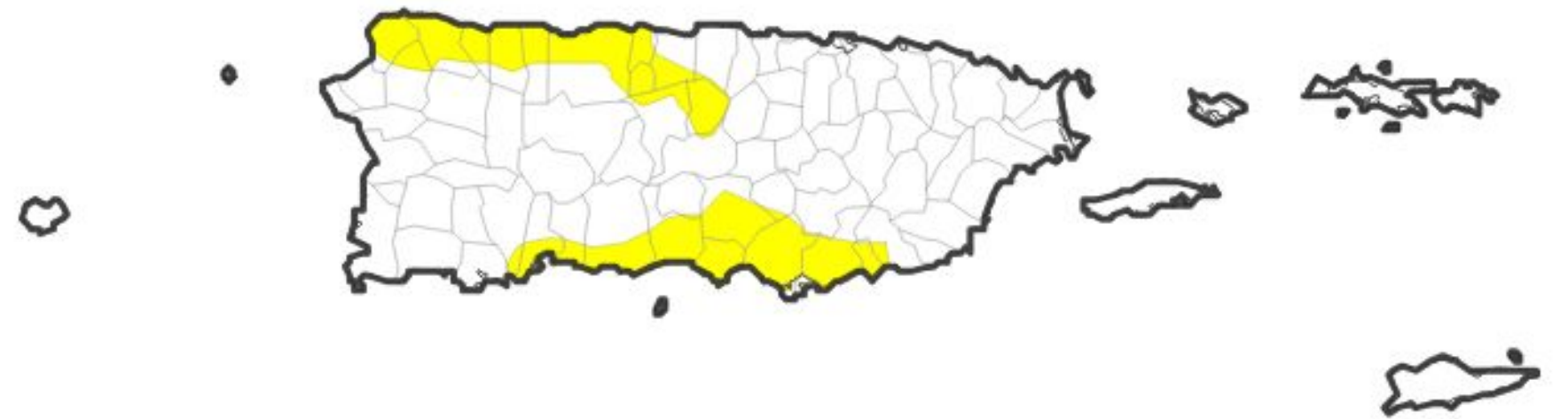


U.S. Drought Monitor

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

DROUGHT CONDITIONS:

Abnormally Dry conditions (D0) are currently observed across portions of south-central into southeastern and northwestern Puerto Rico from Aguadilla to Quebradillas.



U.S. Drought Monitor



Image Caption: U.S. Drought Monitor valid 8am EDT June 24th, 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 degradation have been implemented to the U.S. Drought Monitor in the Caribbean.

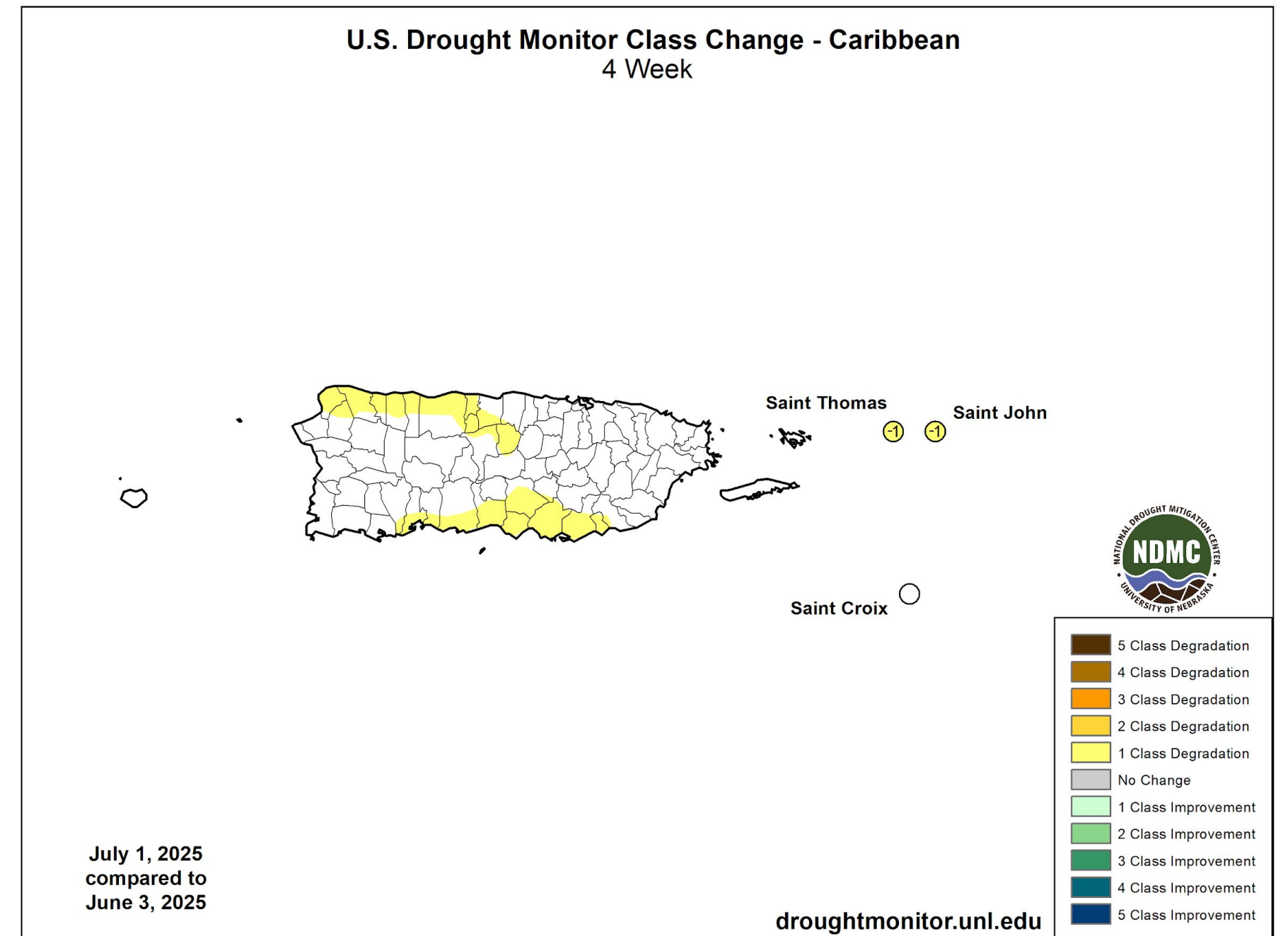


Image Caption: U.S. Drought Monitor 4-week change map valid 8am EDT May 27th, 2025.



Long-Range Precipitation Outlook

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

- The North American Multi-Model Ensemble (NMME) shows nearly [40-60%](#) chance of below normal precipitation for the summer months (August-September-October) across the northeastern Caribbean.

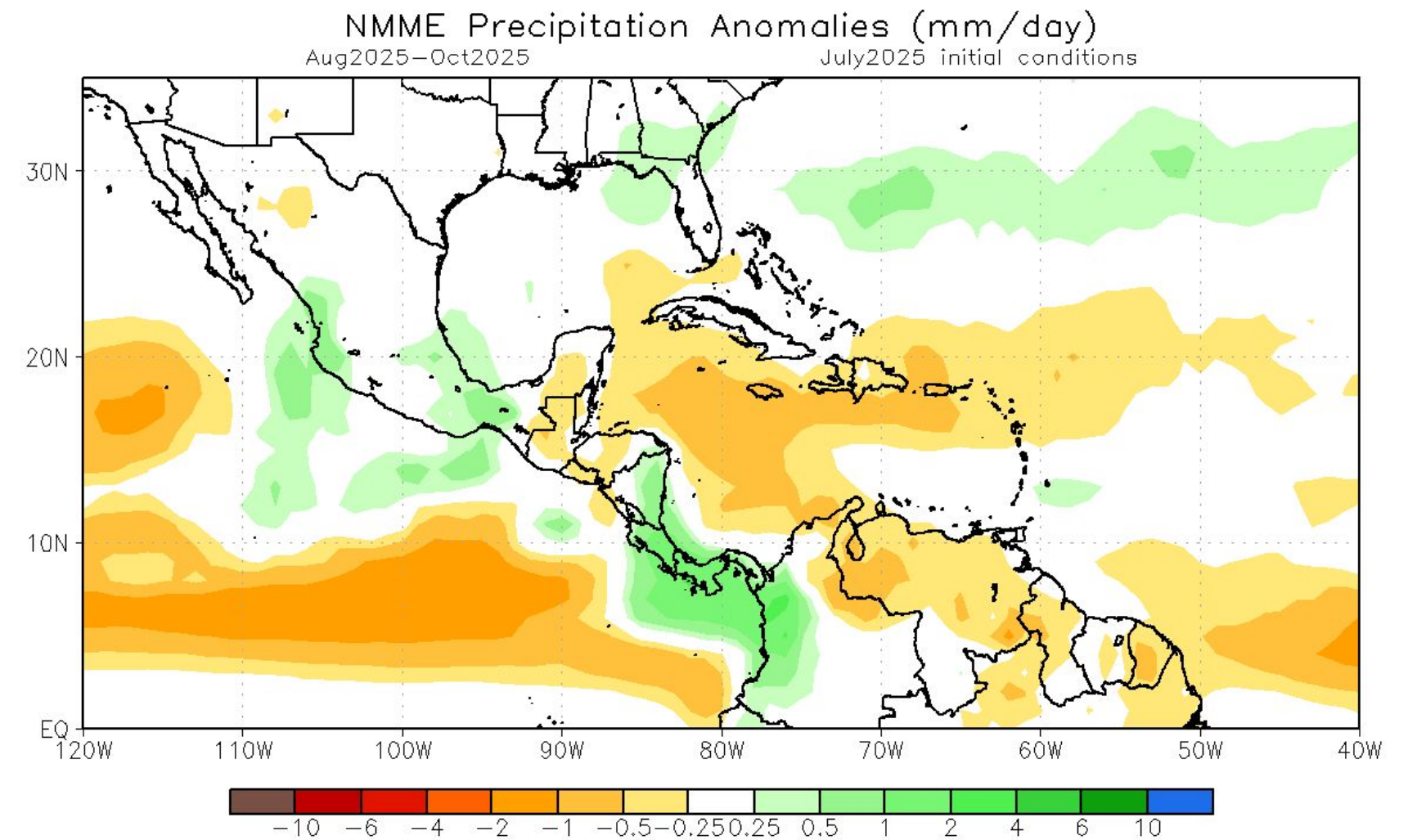


Image caption: NMME precipitation forecast issued June 2025. Valid August-September-October 2025.



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 [50-60%](#) chance of observing above normal temperatures for the period of August-September-October 2025. The temperatures are forecast to be nearly 0.25- 0.5 °C (0.45-0.90 °F) above normal.

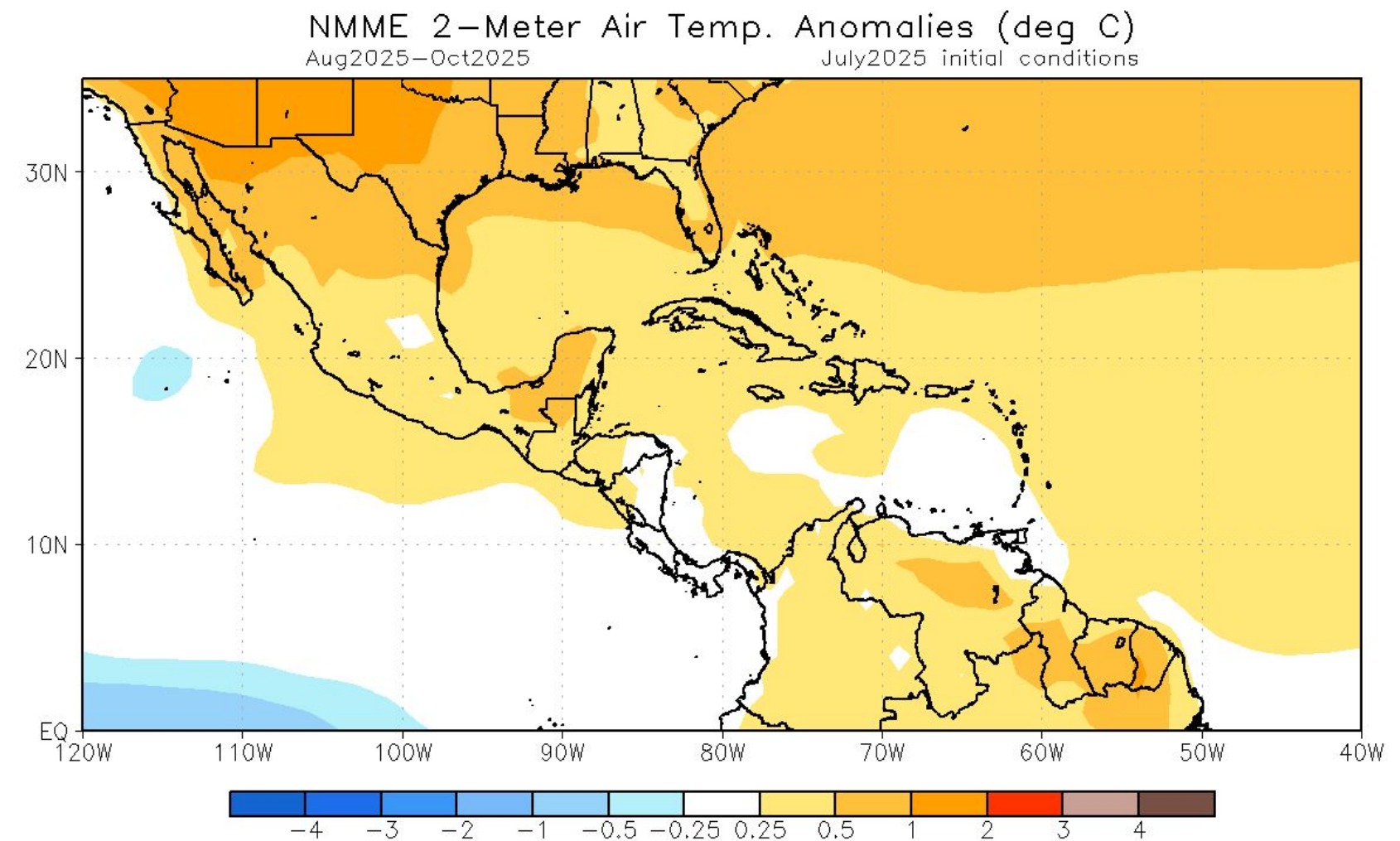


Image caption: NMME temperature forecast issued July 2025.
Valid August-September-October 2025.



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 or the Virgin Islands in the upcoming three months.

**Seasonal (3-Month) Drought Outlook for June 30,
2025–September 30, 2025**



Drought Is Predicted To...



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

Last Updated: 06/30/25

Image Caption: U.S. Seasonal Drought Outlook Valid for June 30th to September 30th 2025.