

17th SESSION PACIFIC ISLANDS CLIMATE OUTLOOK FORUM (PICOF-17)

22 - 23 October, 2025

Port Vila, Vanuatu



PACIFIC REGIONAL
CLIMATE CENTRE NETWORK

Micronesia Impacts

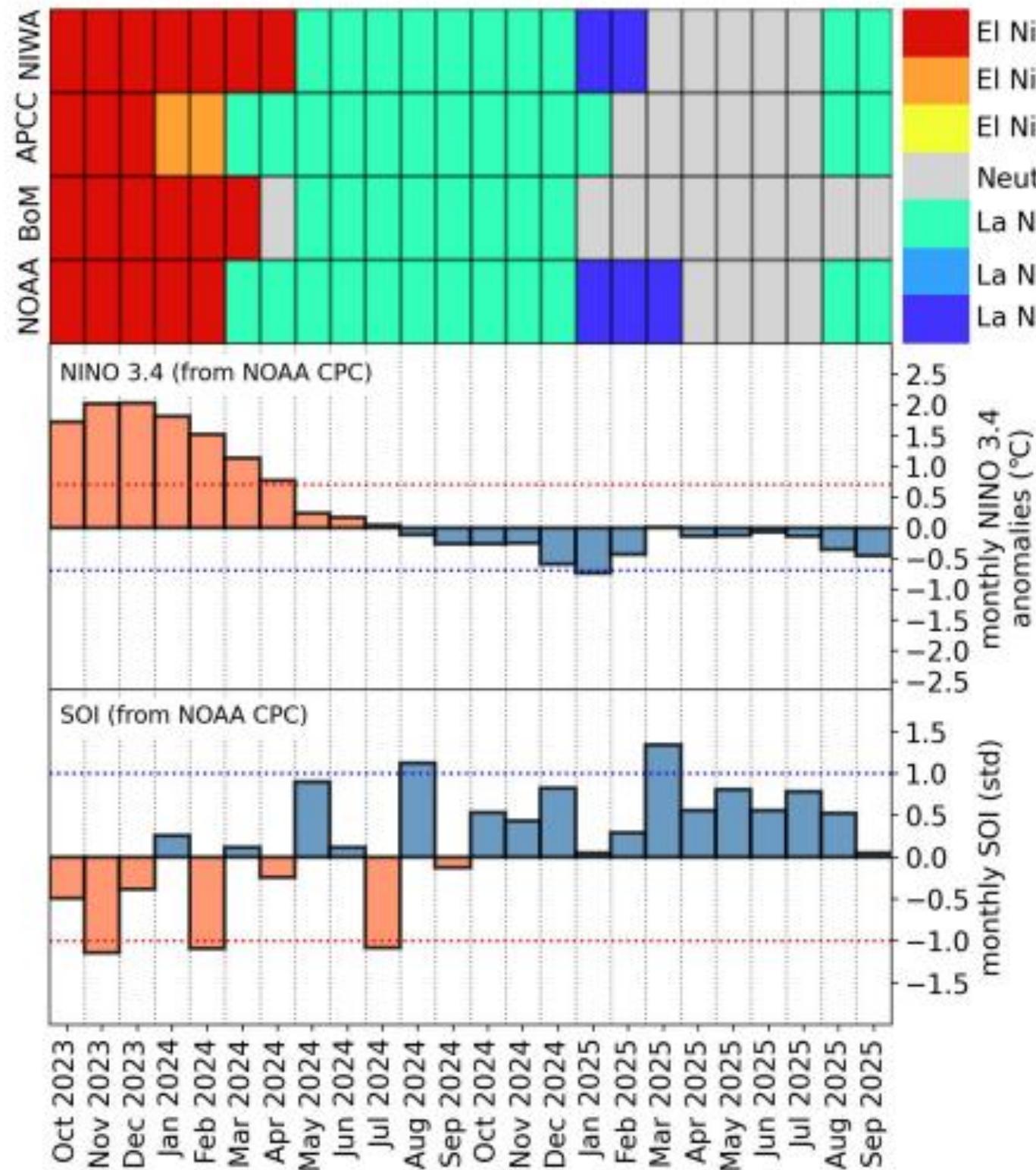
Wallace Jacob

WSO Pohnpei, FSM



Current State of ENSO

Pacific Regional Climate Centre ENSO tracker



EL NIÑO/SOUTHERN OSCILLATION (ENSO) DIAGNOSTIC DISCUSSION

issued by

CLIMATE PREDICTION CENTER/NCEP/NWS

9 October 2025

ENSO Alert System Status: [La Niña Advisory](#)

“Upgraded” from a La Niña Watch last month

[ps://www.cpc.ncep.noaa.gov/products/precip/CWlink/MJO/enso.shtml](http://www.cpc.ncep.noaa.gov/products/precip/CWlink/MJO/enso.shtml)

[ps://www.pacificmet.net/enso-tracker](http://www.pacificmet.net/enso-tracker)

-July 24th, TC Krosa (12W) developed west of Guam and moved north and strengthened, because of this coastal inundation along west coast of the Marianas from large storm surfs combined with new moon high tides and westerly swells.

- Oct 15, landslide on Guam from a 5.59in(~142mm) of rain that day. Sediments were deposited into Agana Bay.

PHILIPPINES

A map of the Philippines and surrounding regions. The Philippines is shown in yellow, with the Visayan Islands (Cebu, Bohol, Samar) and the Mindanao Island (Davao) labeled. To the east, the Melanesian Trench is indicated by a dashed line, and the Melanesian Islands (Vanuatu, New Caledonia) are labeled. The Pacific Ocean is to the west, and the Philippine Sea is to the east.

Variable rainfall May-Oct. Mostly near normal rainfall was observed with August being above normal. Monsoon was the significant driver with some influence from the MJO. Monsoon event in Sept. with Heavy rain, strong gusty winds resulting in large swells and choppy waters. High surf advisory and small craft advisories were issued.

Very dry conditions began in April. High water demand from communities, vegetation starting to turn brown due to the dry conditions. Diarrhea outbreak. Reduced tuna catches due to below average SST. Desalination plants are unable to meet water needs.

Past 6 months, sufficient rainfall to support water needs resulting in an abundance of fresh produce at the markets. Coral bleaching gradually increased from watch to warning and Alert level 1 for Namonuito Atoll

In September, Kapingamarangi was put in a moderate drought condition. In early October, they were placed in a severe drought condition. Taro patches are starting to turn yellow, and household water tanks are at half, and some are below half.

May to Sep. near normal rainfall. October 11th, 4.24in (107.69mm) rainfall and Oct. 16th, 2.64in (67.05mm). Very low visibility due to the heavy rain, flooding on the main road and in some residential areas. Water catchments/tanks were overflowing. Occasional power outages.

July 30th inundation Northern Line Islands. Agriculture was affected. Tsunami from the earthquake off the coast of Russia most likely the cause combined with swells from a low pressure system north of the island.

WSO Palau Early Warning



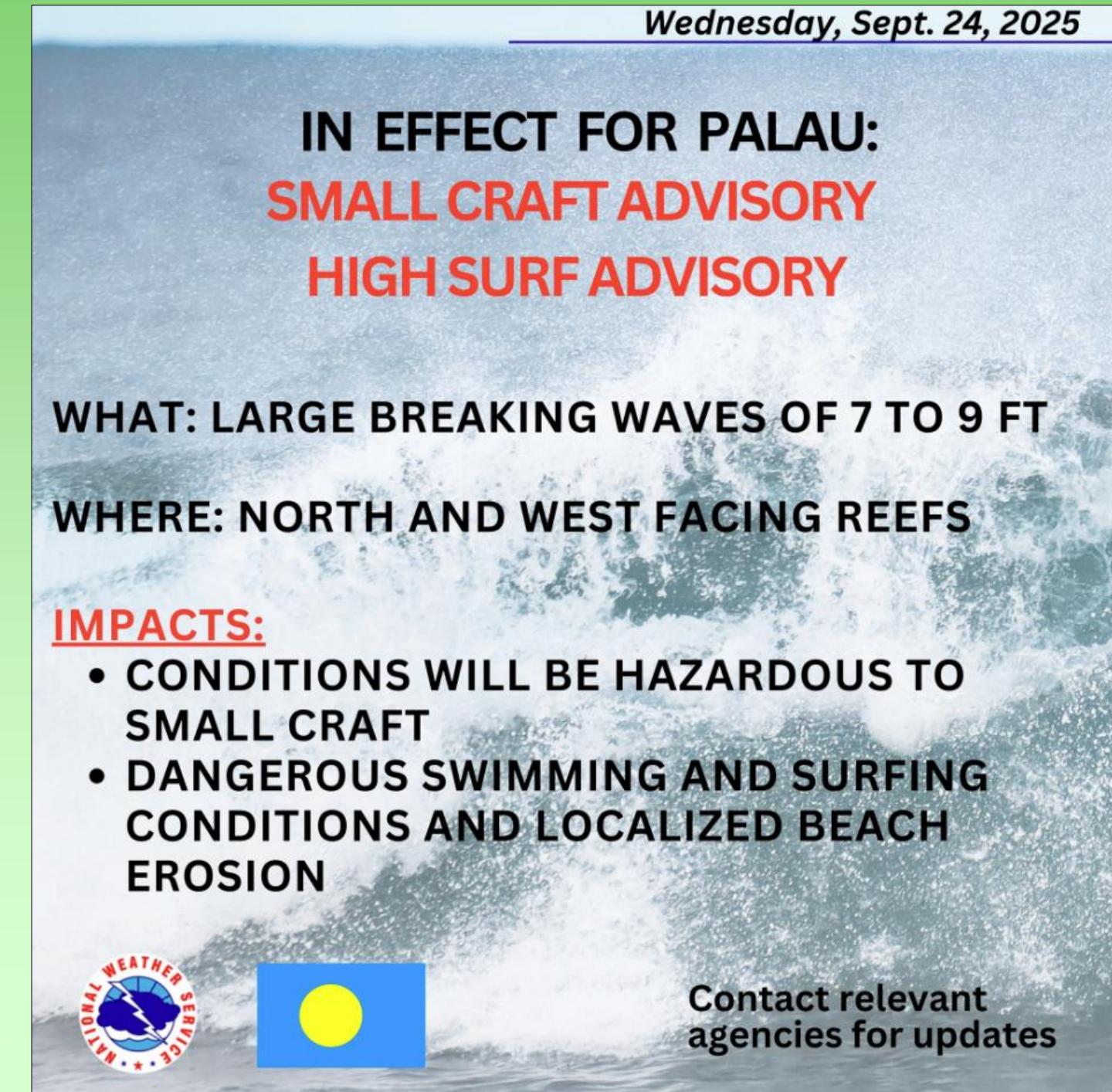
Contact relevant agencies for guidance

Sep 22-26, 2025

WSO Palau social media page: <https://www.facebook.com/wsopalau/videos/1769323820622256>

Monsoon Event Sep 22 to 26, 2025

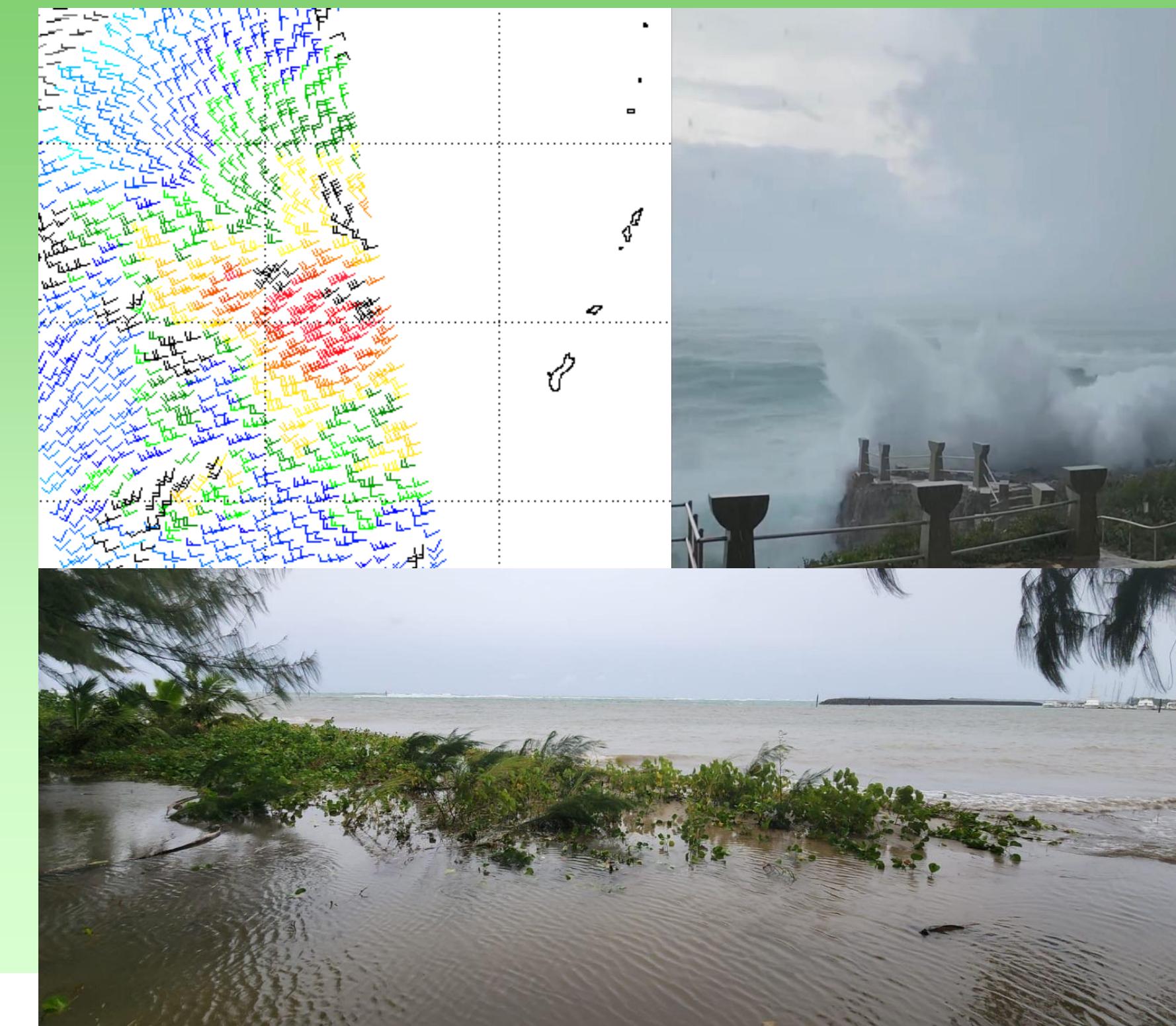
WSO Palau Early Warning Social Media Video Card
Analytics



Marianas: Notable Impacts Since April 2025

July 24-27: Tropical Cyclone Krosa (12W)

- Developed just west of Guam on July 24... moved north and intensified
- Coastal inundation reported along west coasts of the Marianas
 - New moon tides
 - Record high sea levels (Apra Harbor tide gauge) from July 15 – 20 & July 23-25
 - Large “storm surf” with short-period westerly swells and wind waves > 3-4 meters
- Unknown impacts to the far northern islands of the CNMI as Krosa intensified and pass closer



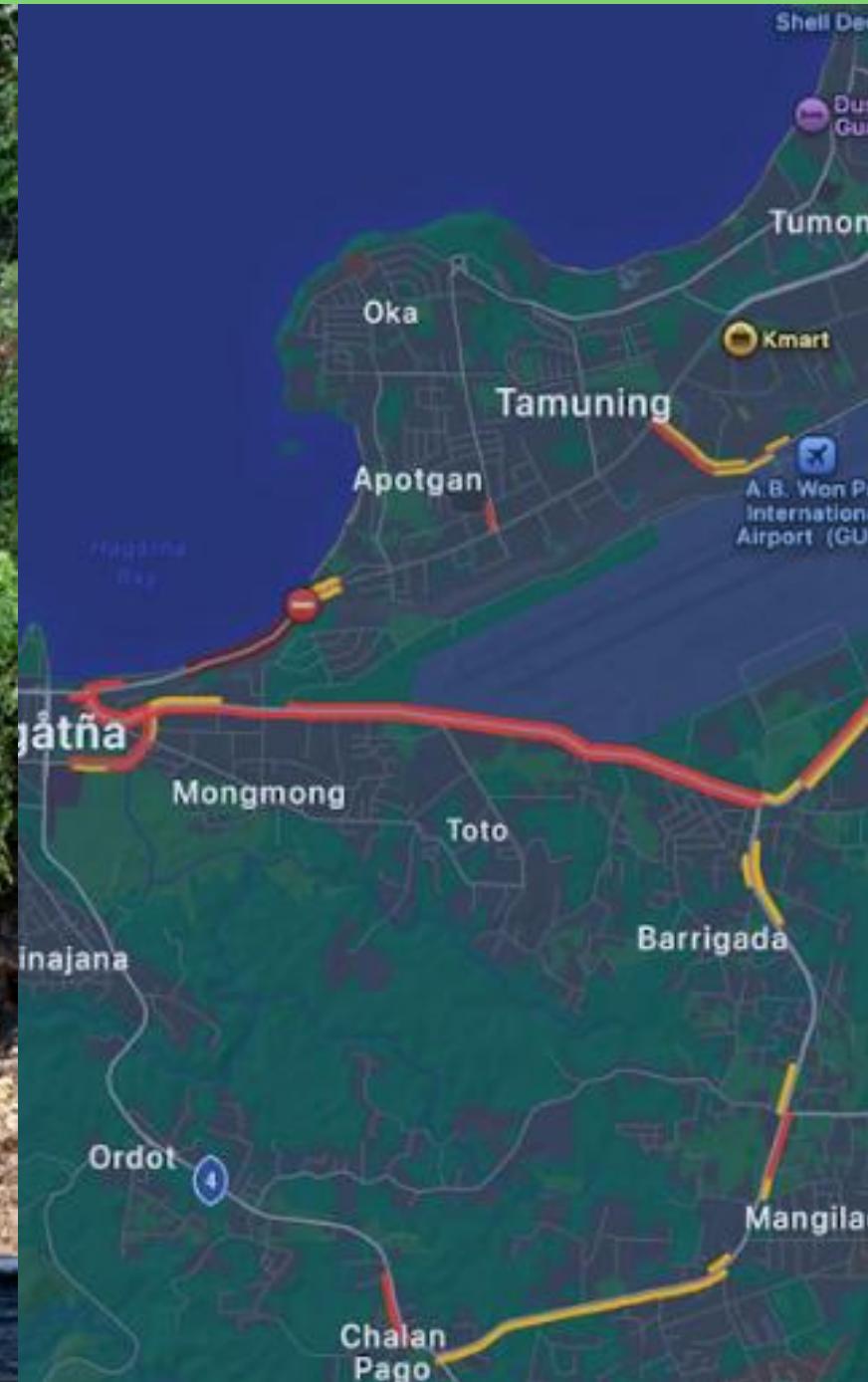
Clockwise from top left: Scatterometer data of developing Krosa, surf from Taga Beach, Tinian CNMI, and coastal inundation in Agat, Guam on July 25th

Source: NOAA NESDIS (upper left), public social media source unknown (upper right), Brandon Aydlett (bottom) from NOAA NWS Guam

Marianas: Notable Impacts Since April 2025

Oct 15: Landslide / Slope Failure on Guam

- Torrential rains triggered a landslide at ~4:30am on October 15th on the main commute road on Guam
- 5.59 inches (~142mm) of rain fell during the day, much of it in a short window during the early morning hours
 - Rain rates reached 5in/hr or ~127mm/hr) at times
- Horrendous traffic during the morning commute
- Large sediment deposit into Agana Bay
- Investigation in progress as a construction site and new development sits on the cliff top above landslide location



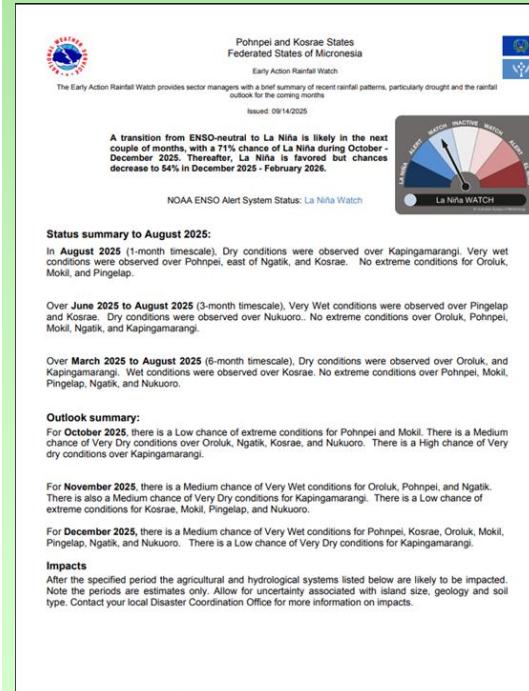
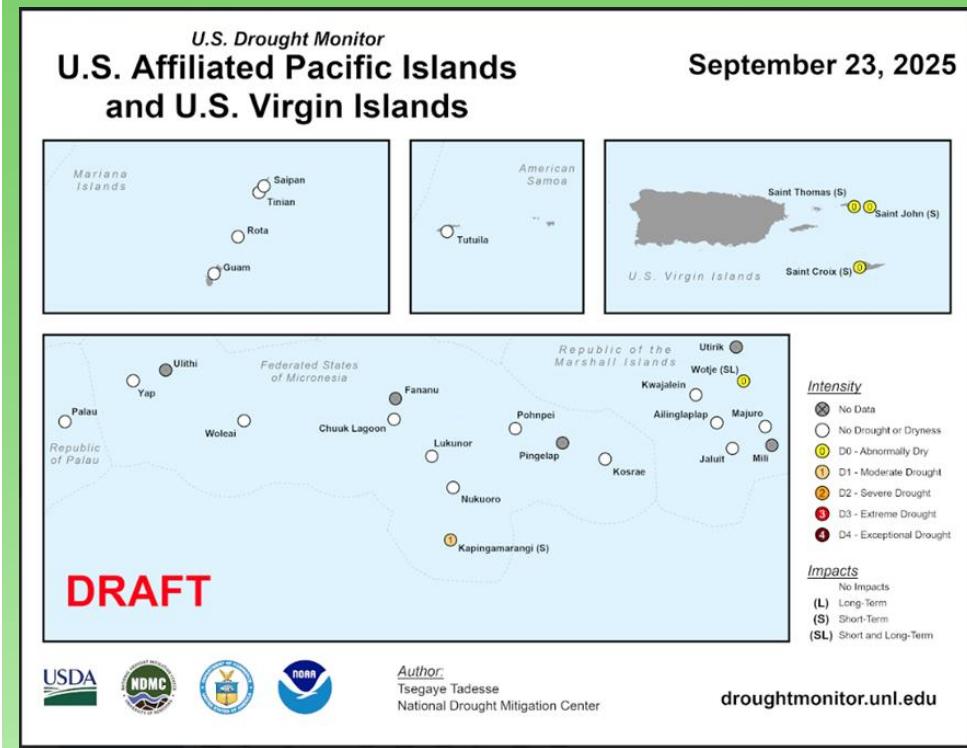
Left to right: Landslide on October 16th courtesy of Rick Cruz at PDN, screenshot of snarled traffic during the morning commute courtesy of WFO Guam's Landon Aydlett

Source: Rick Cruz at Pacific Daily News (left) and Landon Aydlett (right) from NOAA NWS Guam

chuuk's abundance of produce due to sufficient rain.



Kapingamarangi drought condition



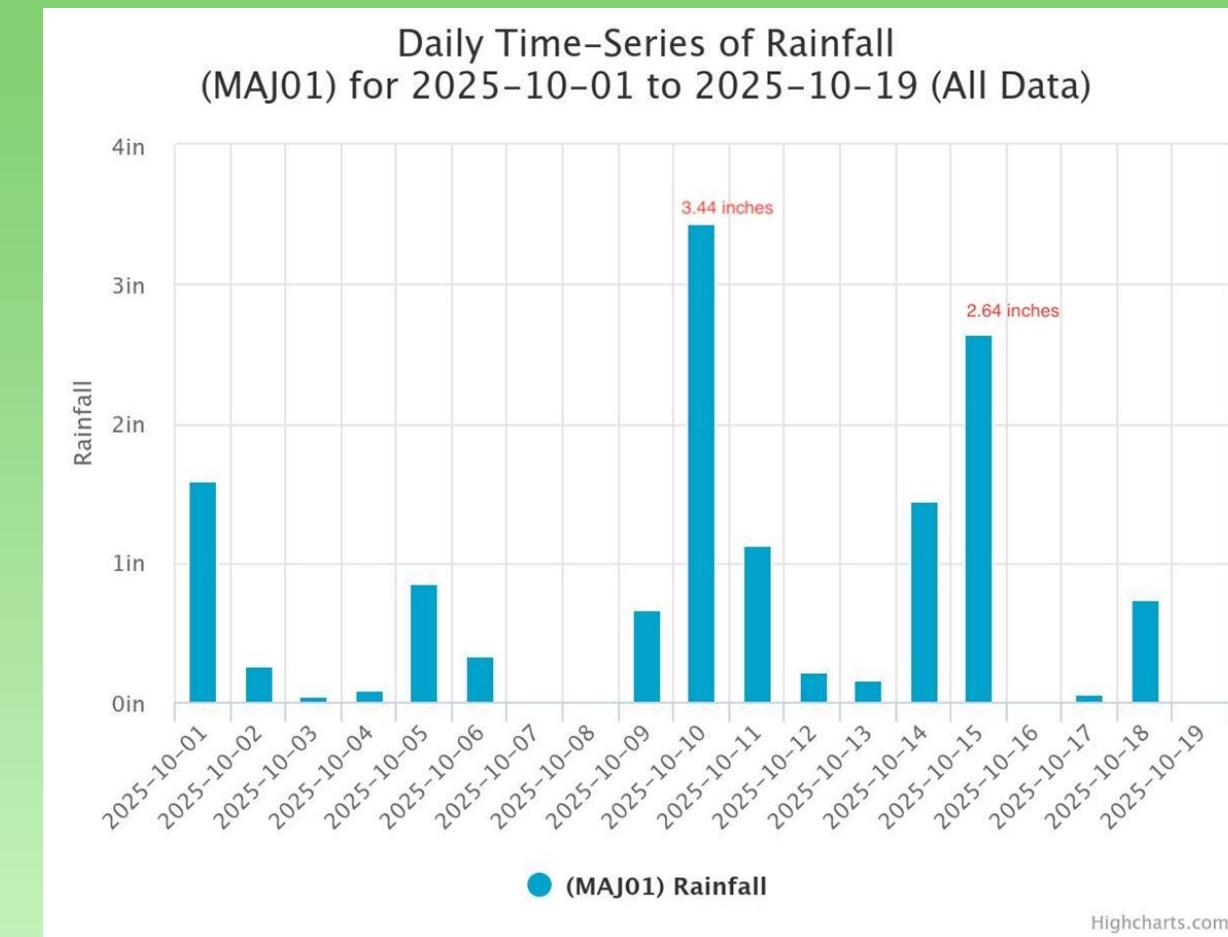
Gov't has 18 250gl (950 liters) tanks full and 2 concrete tanks full.



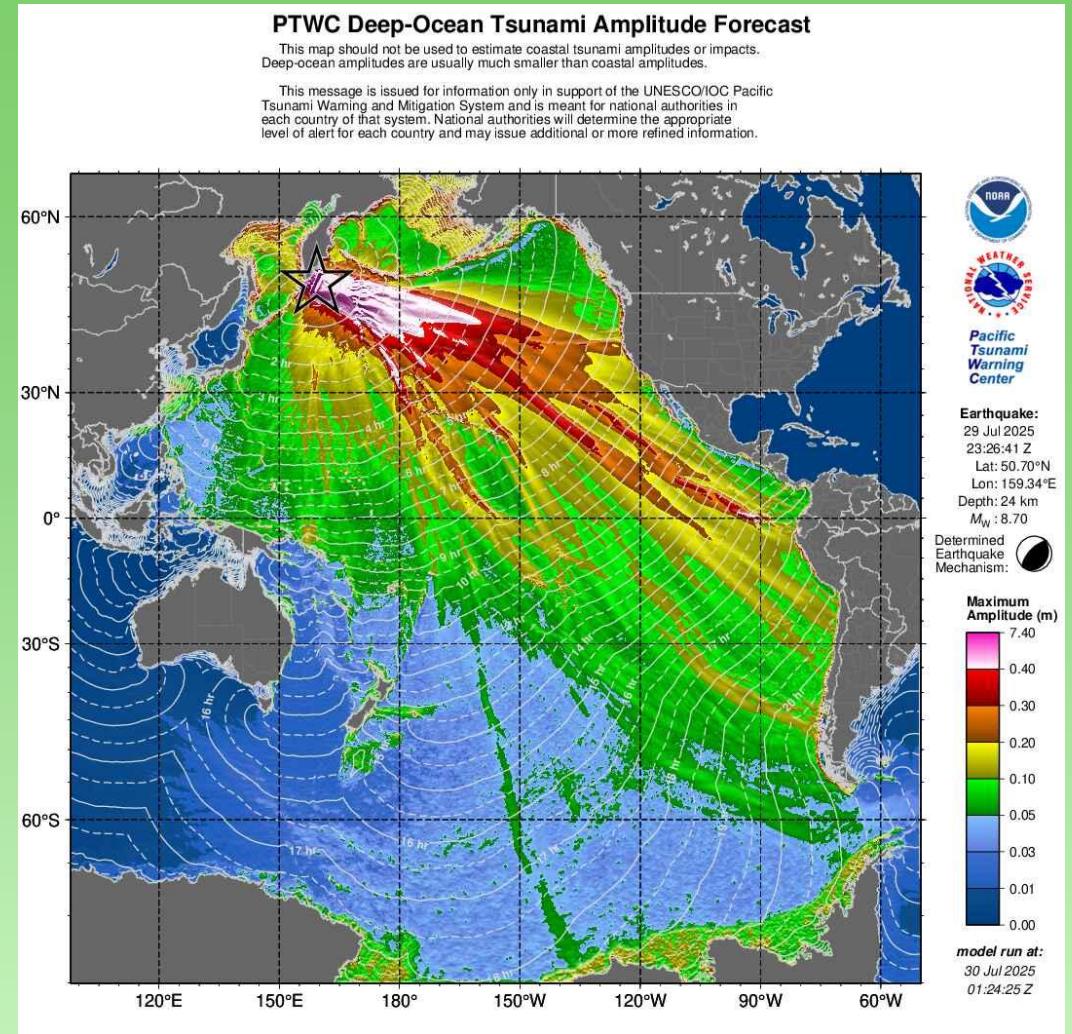
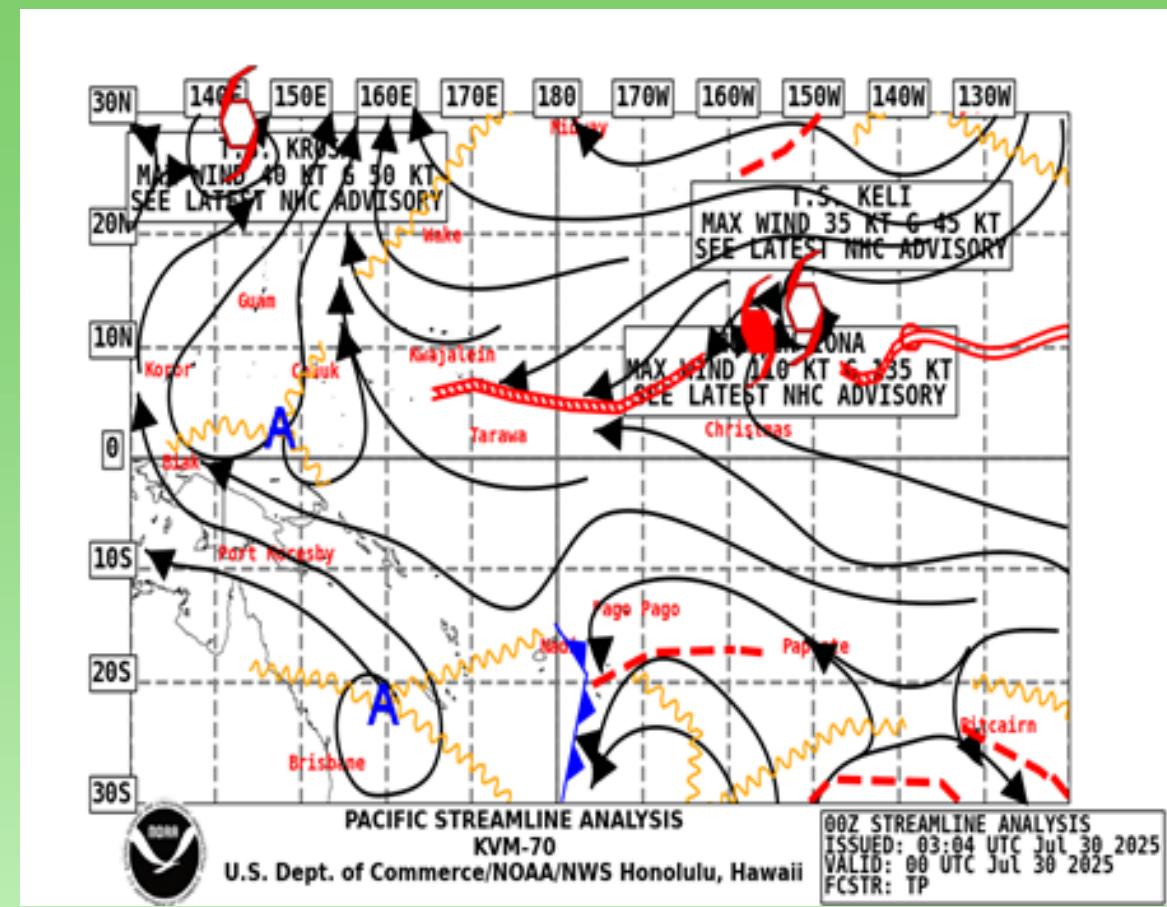
Nauru: very dry conditions



Majuro's Oct. extreme rainfall event



Kiribati's inundation event





THANK YOU!

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