

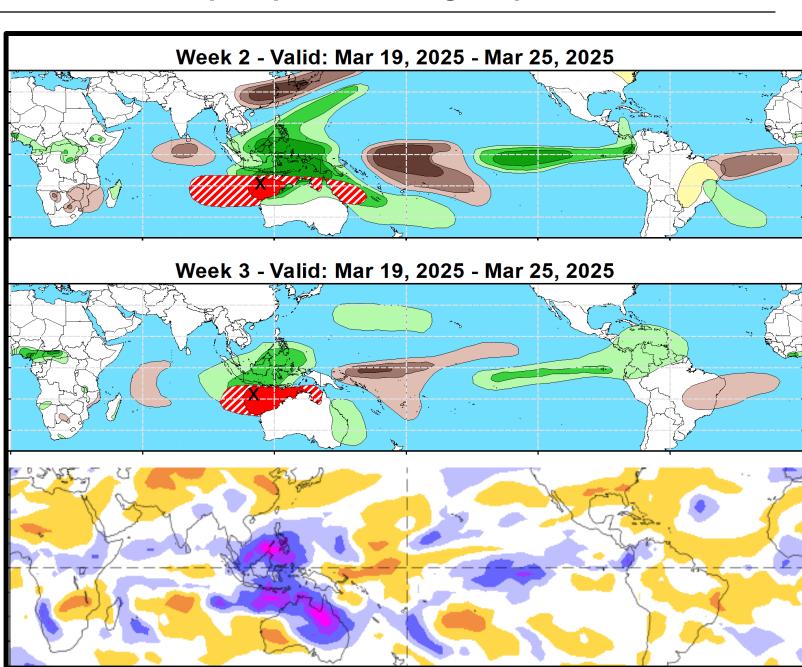


Weeks 2-3 Global Tropics Hazards Outlook 3/25/2025

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NWS / NCEP / Climate Prediction Center

Outlook Review: TC development & anomalous precipitation during the past week

X = Tropical Cyclone 27S



Synopsis of Climate Modes:

ENSO: (Mar 13, 2025 Update) next update on Thursday, Apr 10th

- ENSO Alert System Status: <u>La Niña Advisory</u>
- ENSO-neutral is favored to develop in the next month and persist through the Northern Hemisphere summer (62% chance in JJA, 2025).

MJO and other subseasonal tropical variability:

- Based on RMM index observations, the MJO propagated rapidly east from the Indian Ocean to the West Pacific since early March.
- Forecast uncertainty increases heading into April due to in part to conflicting influences from the MJO and the lingering albeit weakening La Nina.
- Tropical cyclone development is most likely near northern Australia during the next three weeks. Elsewhere across the global tropics, it is a quiet time of year for tropical cyclones.

GTH Outlook:

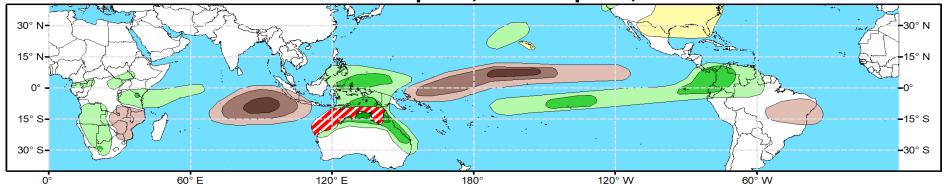


Global Tropics Hazards Outlook

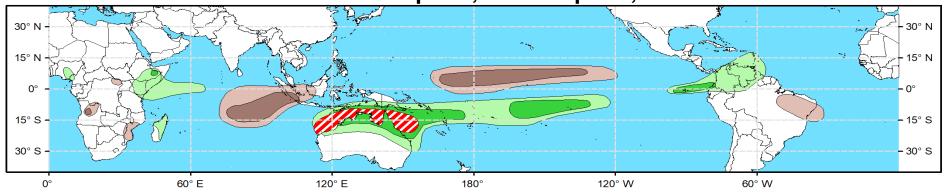
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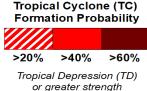


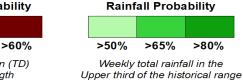
Week 2 - Valid: Apr 02, 2025 - Apr 08, 2025



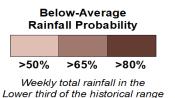
Week 3 - Valid: Apr 09, 2025 - Apr 15, 2025

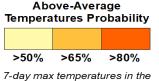


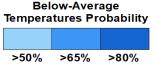




Above-Average







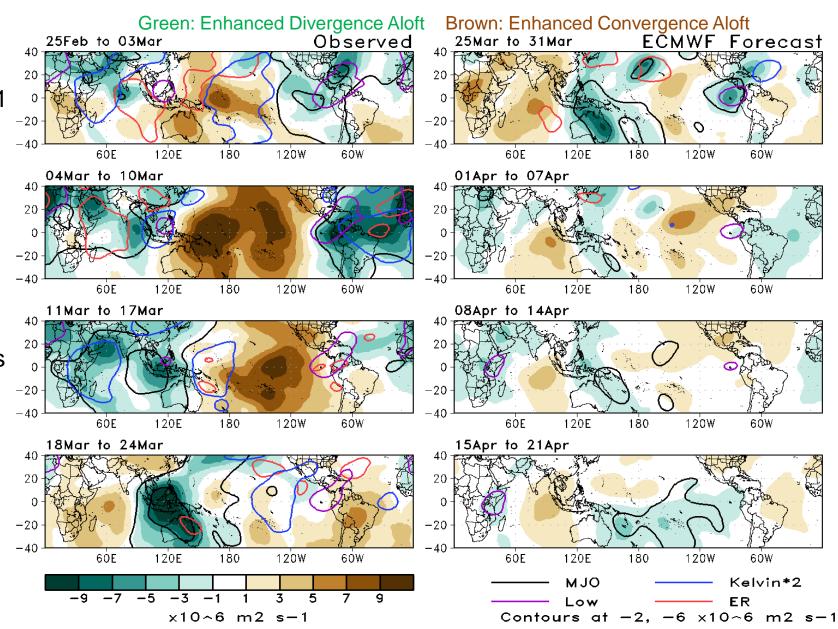
7-day max temperatures in the Upper third of the historical range Lower the

7-day min temperatures in the Lower third of the historical range

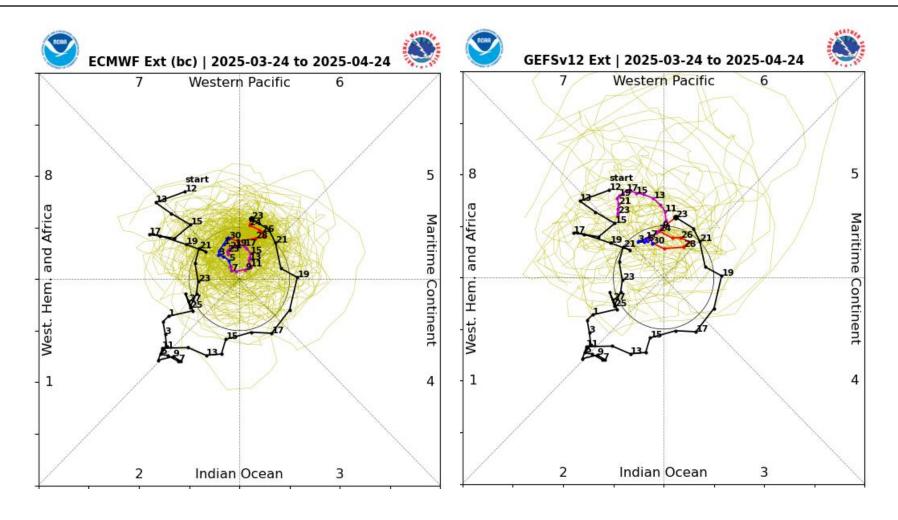
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200-hPa Velocity Potential Anomaly Maps:

- During much of March, a wave-1 pattern was evident which is consistent with a MJO.
- March 18-24: MJO + lingering
 La Nina = strong anomalous
 upper-level divergence
- By the end of March into early April, the ECMWF depicts a less coherent pattern with smaller anomalies.

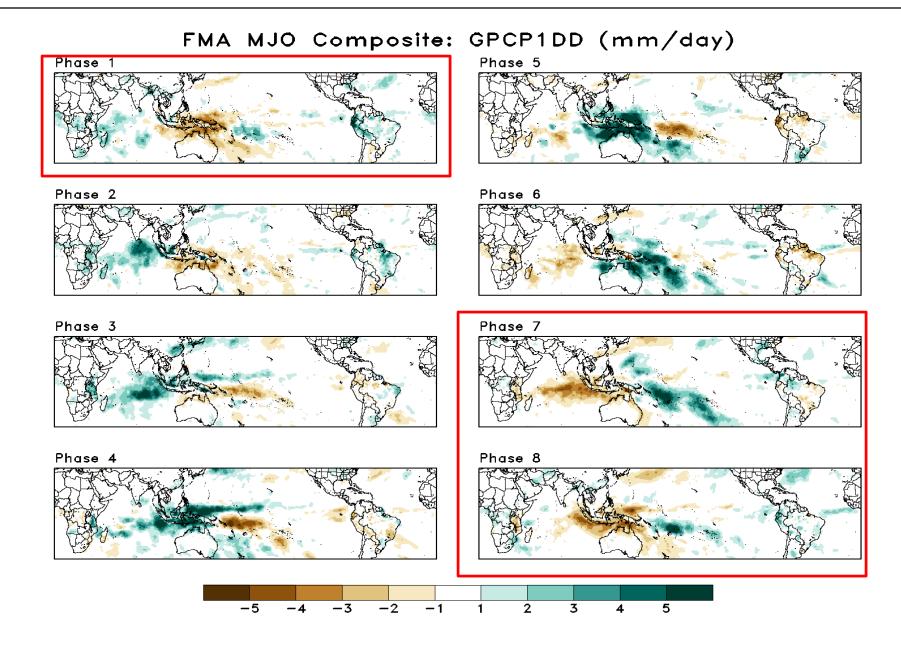


RMM Index Observations & Forecasts:



• Ensemble spread is very large during the next month which leads to higher forecast uncertainty on the MJO strength and propagation.

Historical Precipitation Anomalies By MJO Phase:

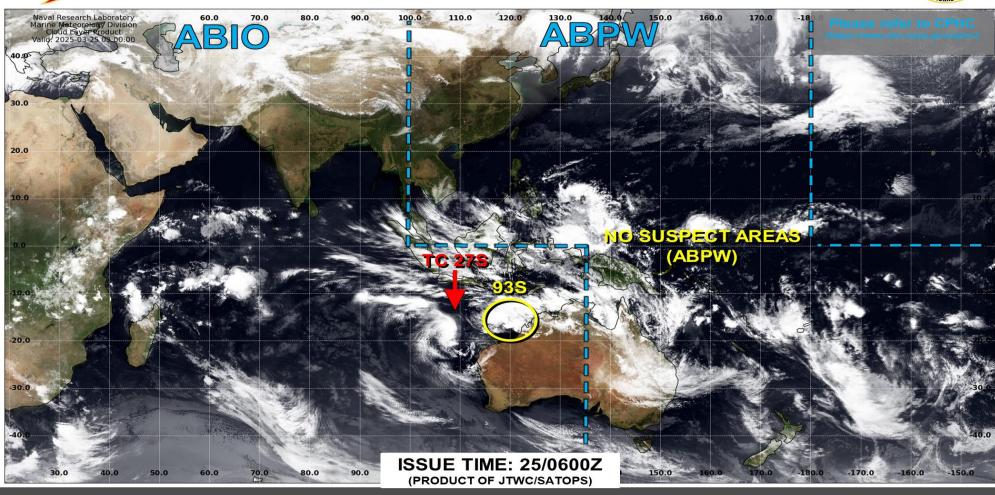


Tropical Cyclone Monitoring/Forecast: JTWC



JOINT TYPHOON WARNING CENTER



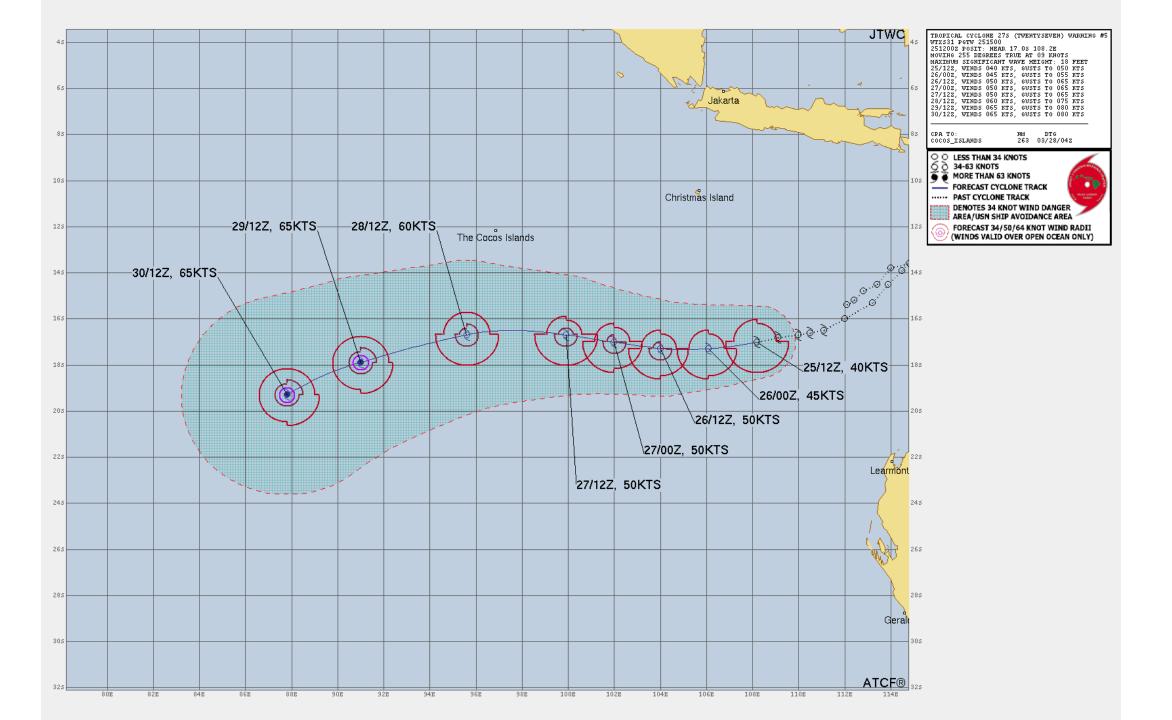




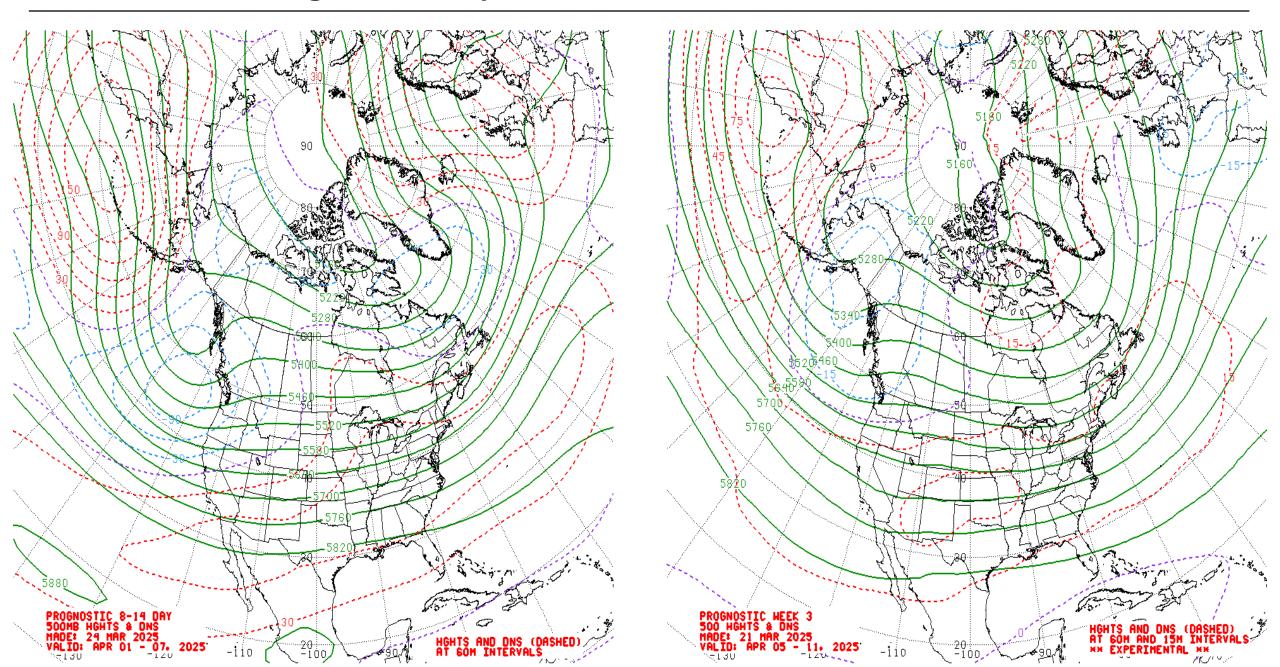




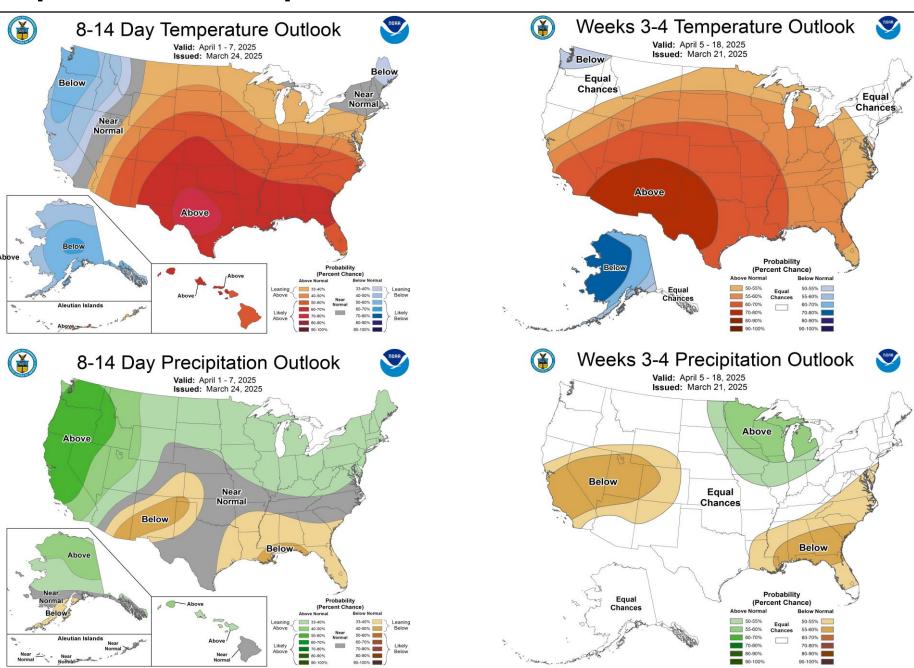




Mean 500-hPa Height Anomaly Forecasts: Weeks 2+3



Official Temperature & Precipitation Forecasts:



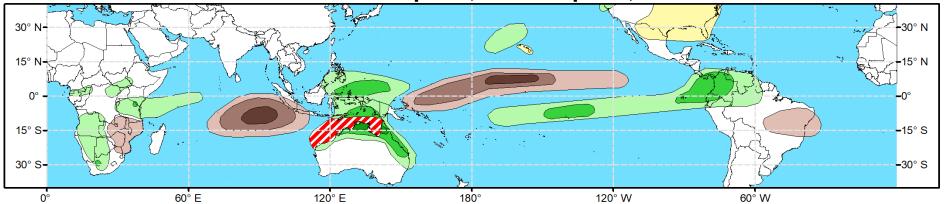


Global Tropics Hazards Outlook

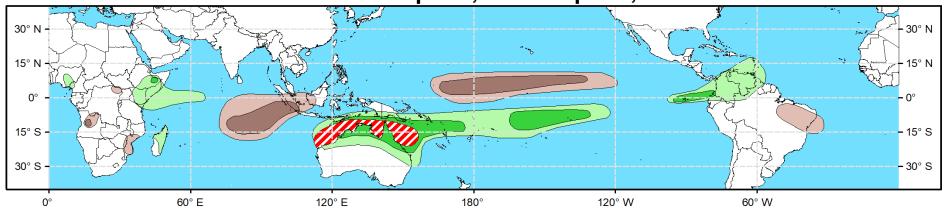
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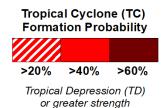


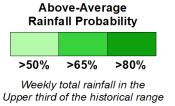
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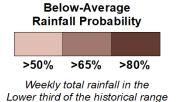


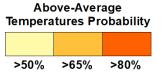
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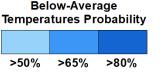












7-day max temperatures in the Upper third of the historical range

7-day min temperatures in the Lower third of the historical range

Issued: 03/25/2025 Forecaster: Pugh This product is updated once per week and targets broad scale conditions integrated over a 7-day period for US interests only.

Consult your local responsible forecast agency.