



# Weeks 2-3 Global Tropics Hazards Outlook 7/1/2025

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NWS / NCEP / Climate Prediction Center

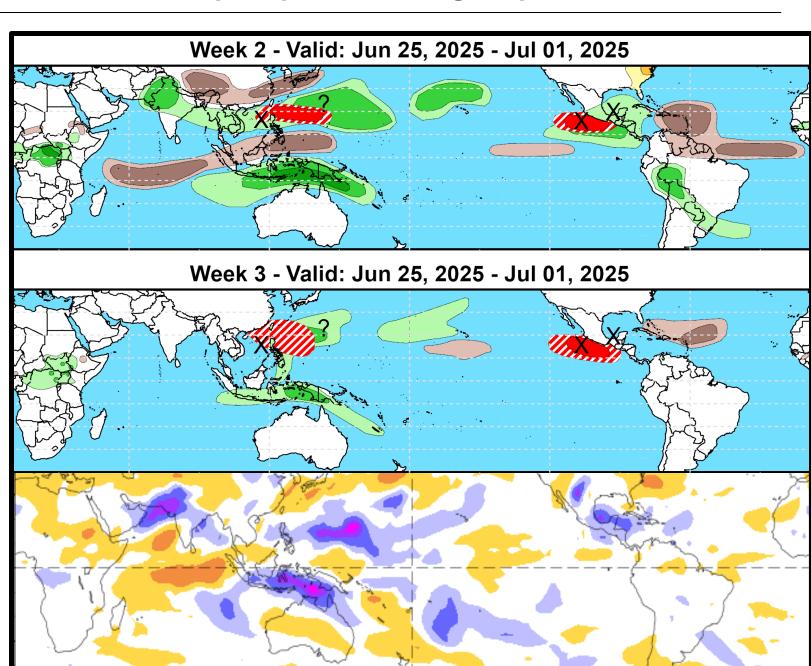
# Outlook Review: TC development & anomalous precipitation during the past week

• EPAC: Flossie (6/29)

ATL: Barry (6/28)

• WPAC: TD03

WPAC: TCFA on 90W?



#### **Synopsis of Climate Modes:**

#### ENSO: (Jun 12, 2025 Update) next update on Thursday, Jul 10<sup>th</sup>

- ENSO Alert System Status: Not Active
- ENSO-neutral is likely in the Northern Hemisphere summer 2025 (85% chance in JJA) and may continue into winter 2025-26, though confidence is lower (48% chance of Neutral and 41% chance of La Nina in NDJ).

#### **MJO** and other subseasonal tropical variability:

- The MJO remains disorganized with other modes of tropical variability continuing to prevail throughout the global tropics.
- RMM forecasts are generally unsupportive of a reorganizing MJO, with the exception of the GEFS which
  favors an amplifying Maritime Continent and Western Pacific event later in July. Although it is unclear
  whether this signal is reflective of true subseasonal activity or a strengthening of low frequency variability, the
  favored shift of the large-scale circulation pattern is significant.
- As a result of this shift, conditions are expected to become much less favorable for TC development in the
  eastern Pacific and Atlantic. Conversely, there are elevated chances for TC development in the western
  Pacific during the next several weeks.

#### **GTH Outlook:**

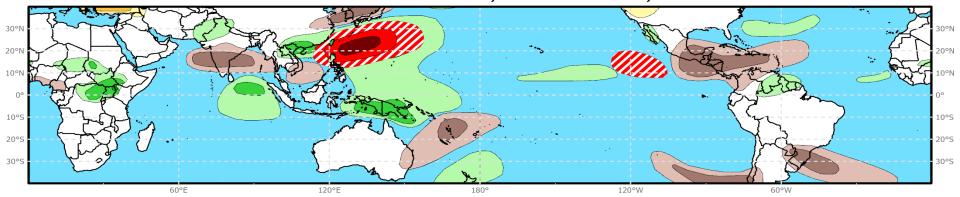


#### Global Tropics Hazards Outlook

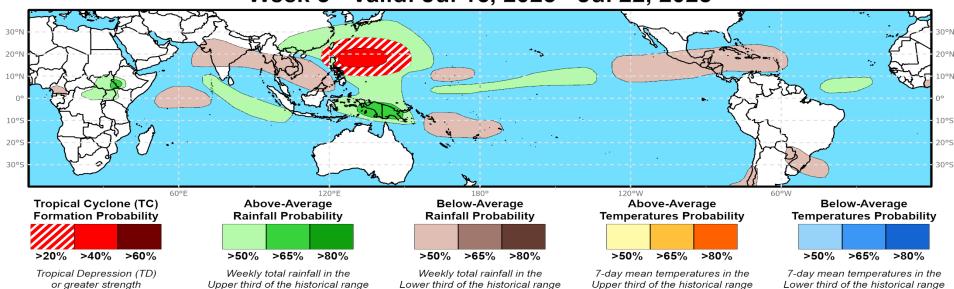


**Climate Prediction Center** 

Week 2 - Valid: Jul 09, 2025 - Jul 15, 2025



Week 3 - Valid: Jul 16, 2025 - Jul 22, 2025

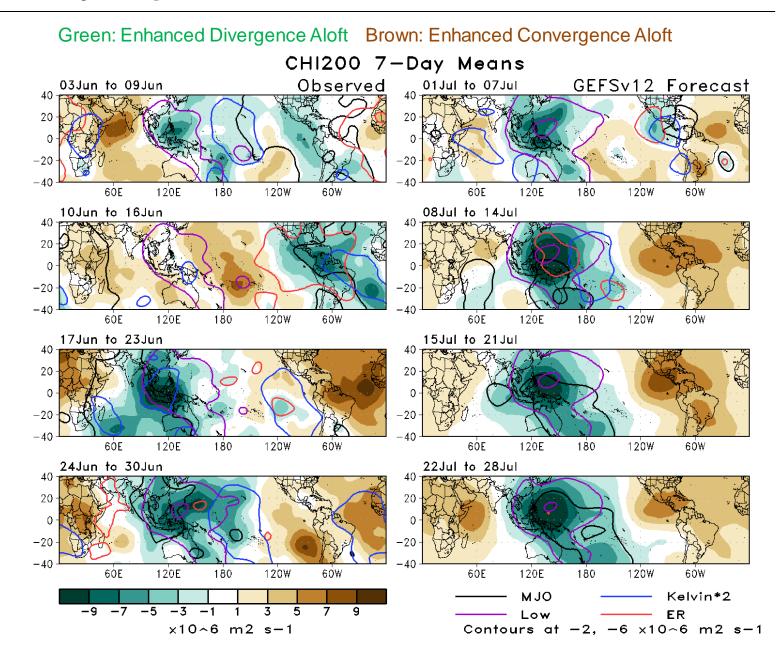


Issued: 07/01/2025 Forecaster: Novella This product is updated once per week and targets broad scale conditions integrated over a 7-day period for US interests only.

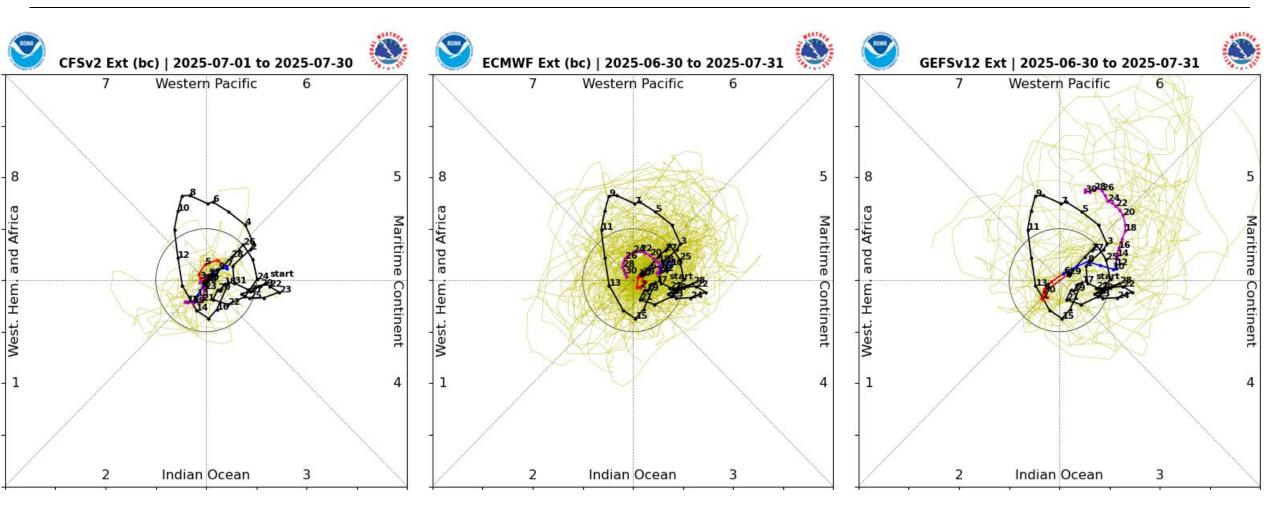
Consult your local responsible forecast agency.

#### 200-hPa Velocity Potential Anomaly Maps:

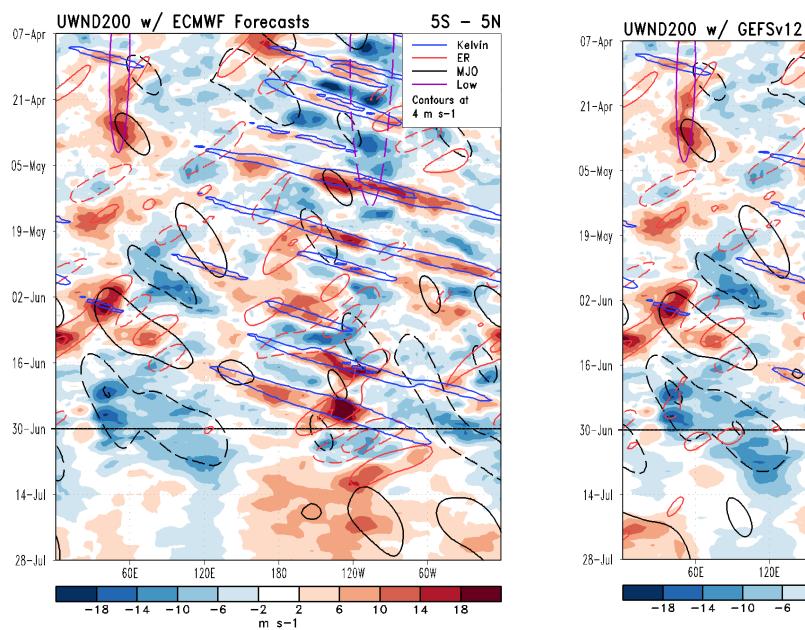
- A wave-1 pattern became better defined in late June, but lacked any eastward propagation consistent with an organized MJO.
- Equatorial Rossby and Kelvin wave activity prevailed, while a of Low Frequency footprint strengthened over the Maritime Continent and the Western Pacific.
- These forecasts favor Low
  Frequency variability dominating in
  July, which is supported by the
  persistence of a stationary wave-1
  pattern, strengthening convergence
  aloft over the tropical Americas and
  Atlantic, with less signal from other
  tropical modes later in July.

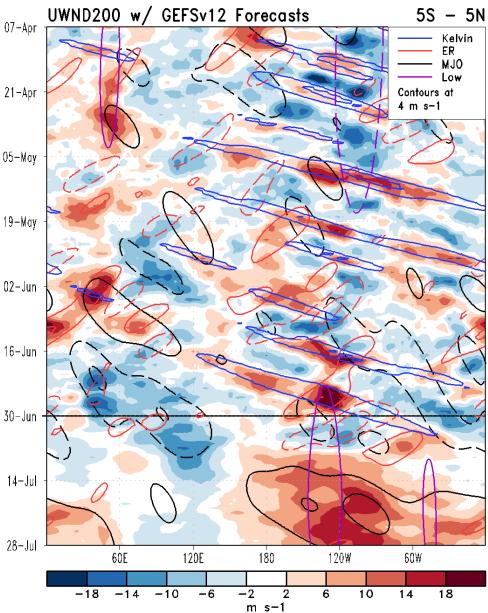


#### **RMM Index Observations & Forecasts:**

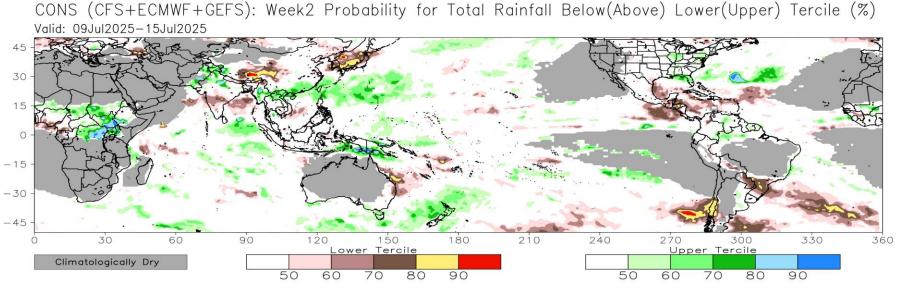


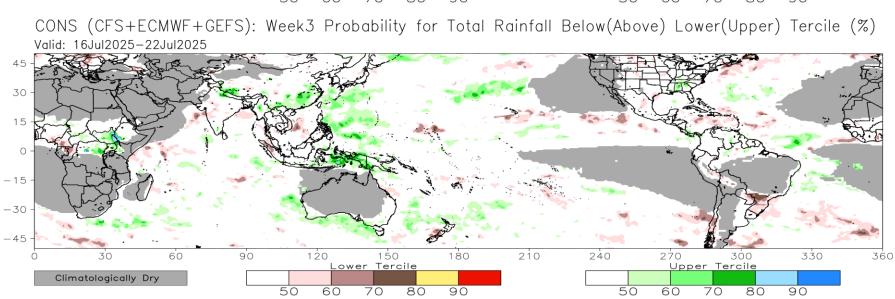
# **Upper-level Zonal Wind Anomaly Time/Lon Plots:**



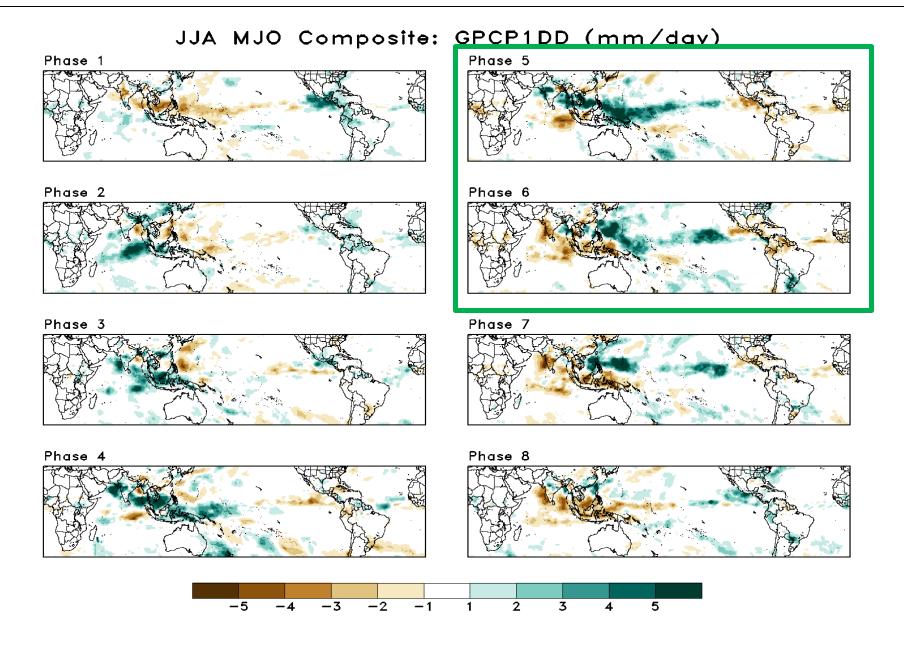


# Consolidated Probabilistic Precipitation: Weeks 2 & 3

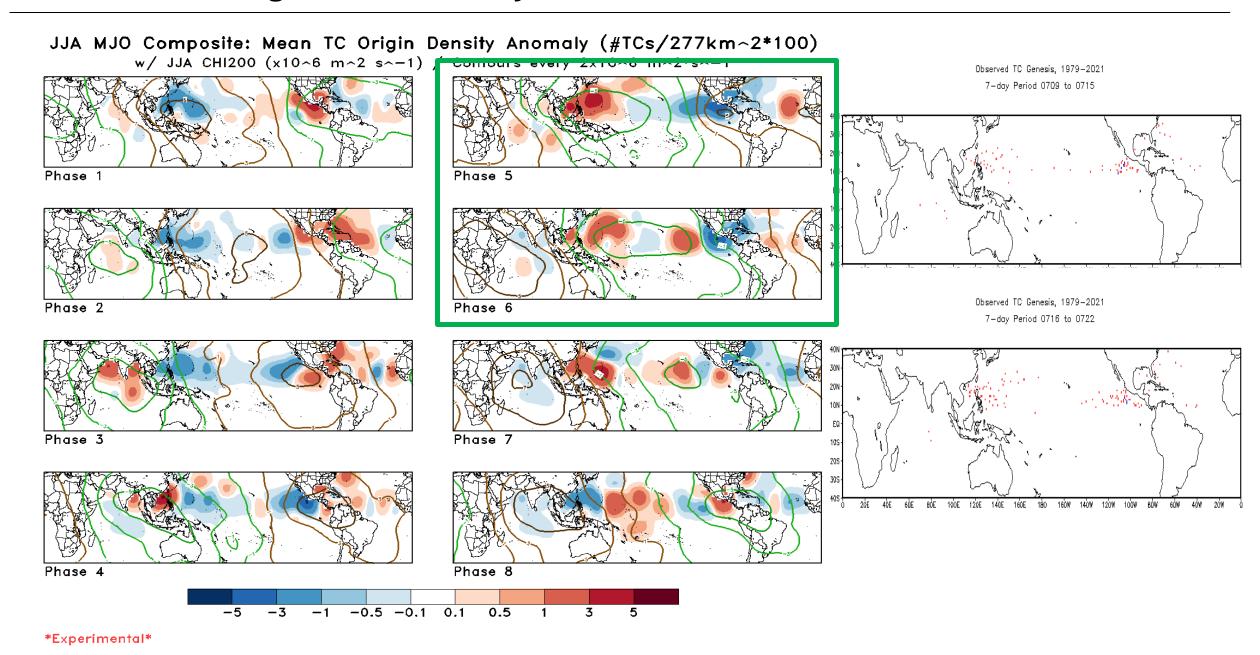


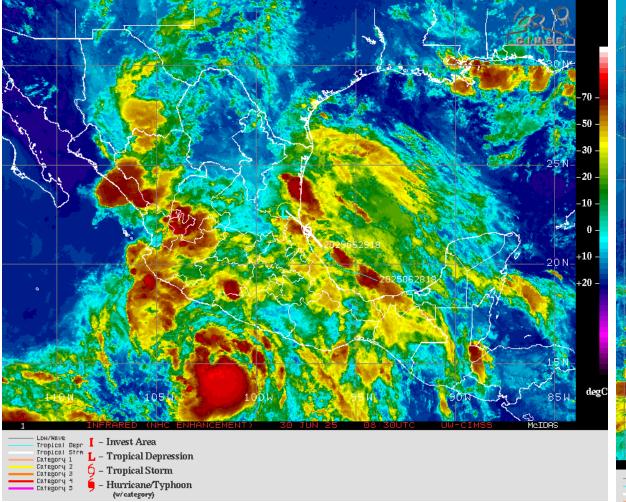


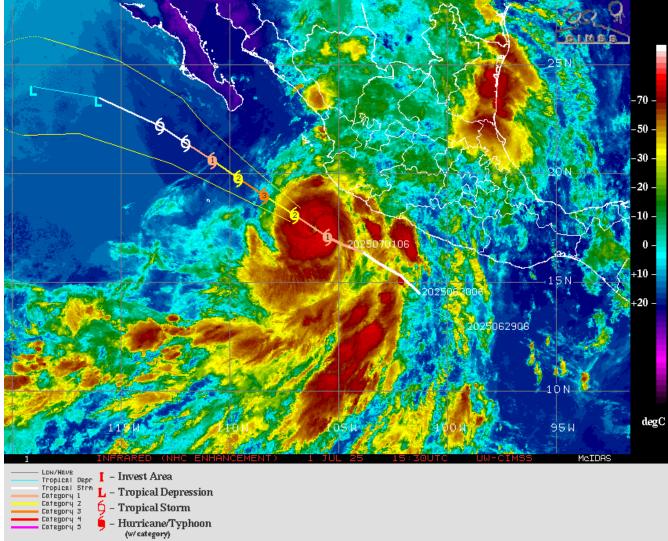
## **Historical Precipitation Anomalies By MJO Phase:**



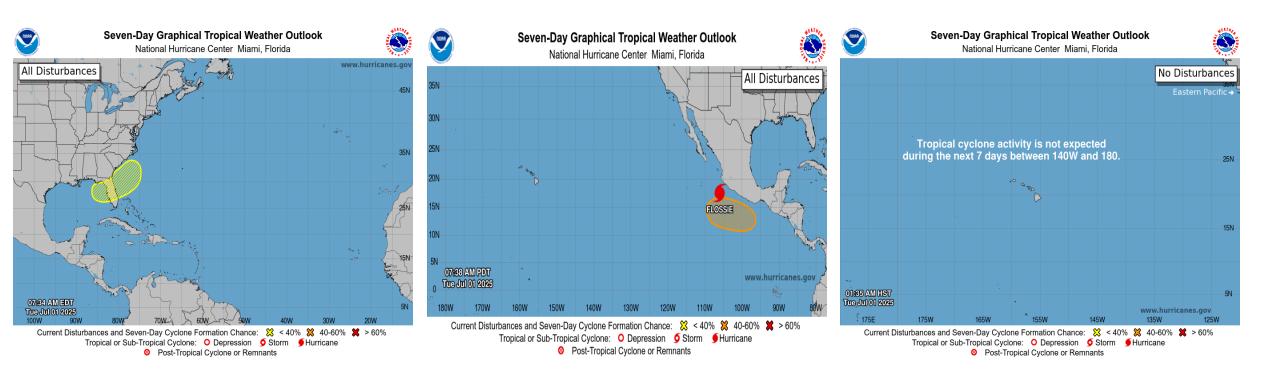
### Historical TC Origin Anomalies By MJO Phase & Weeks 2+3 Genesis Climo:

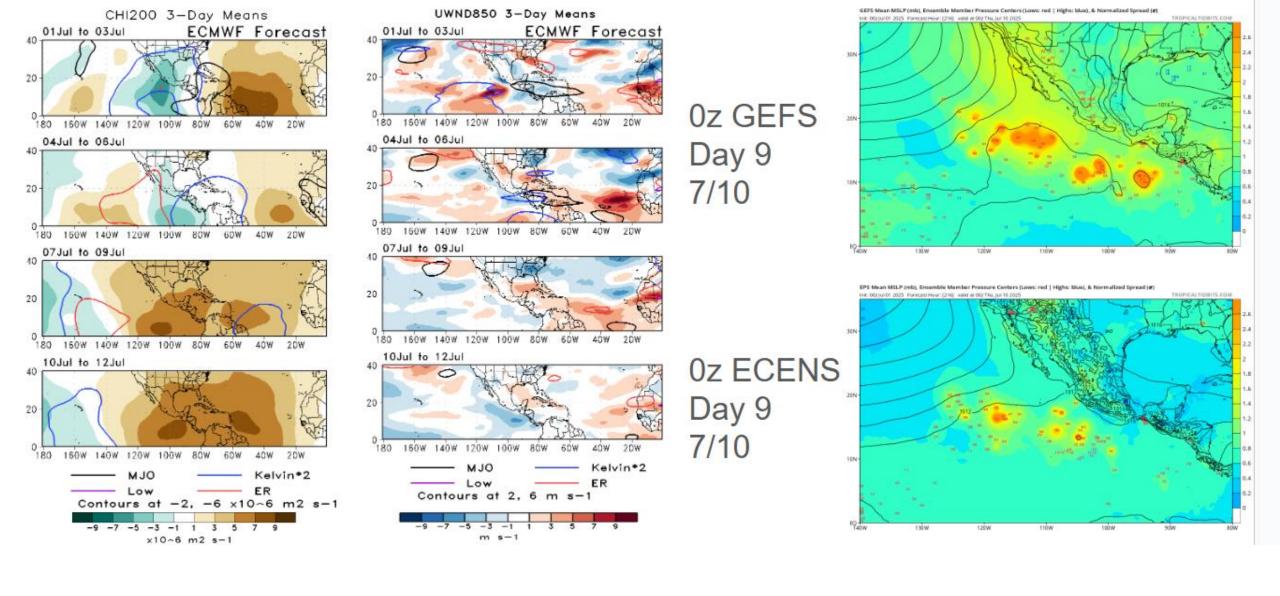






# **Tropical Cyclone Monitoring/Forecast: NHC / CPHC**



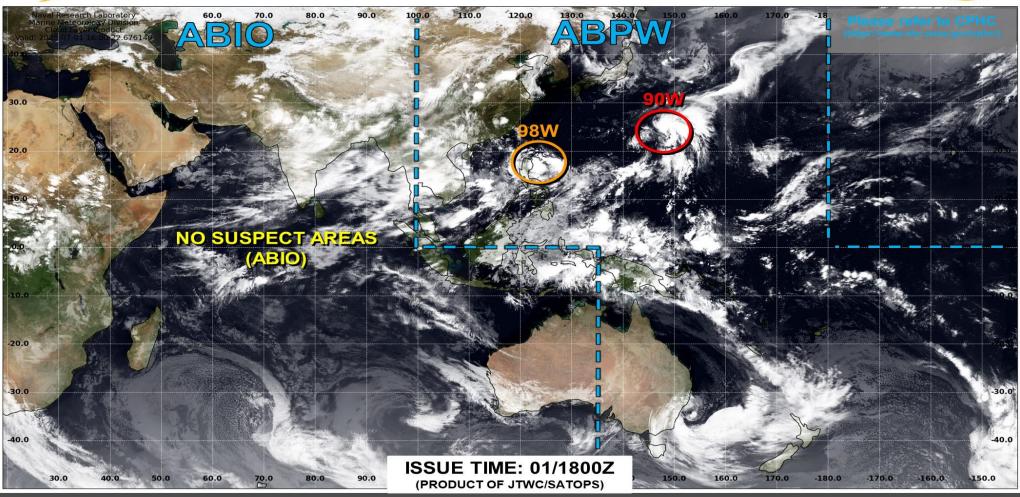


# **Tropical Cyclone Monitoring/Forecast: JTWC**

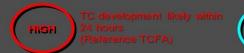


#### **JOINT TYPHOON WARNING CENTER**



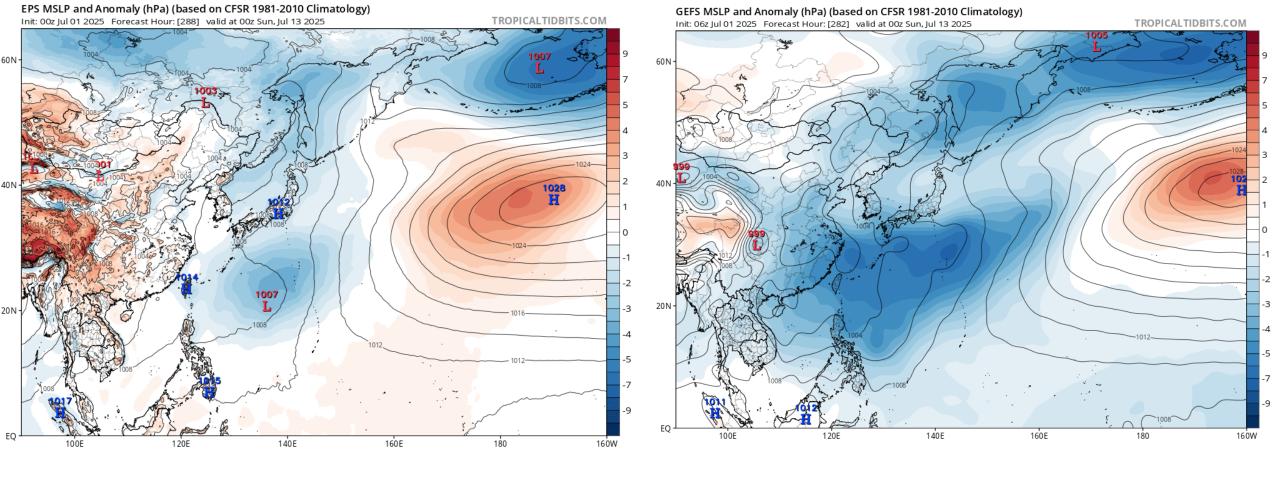




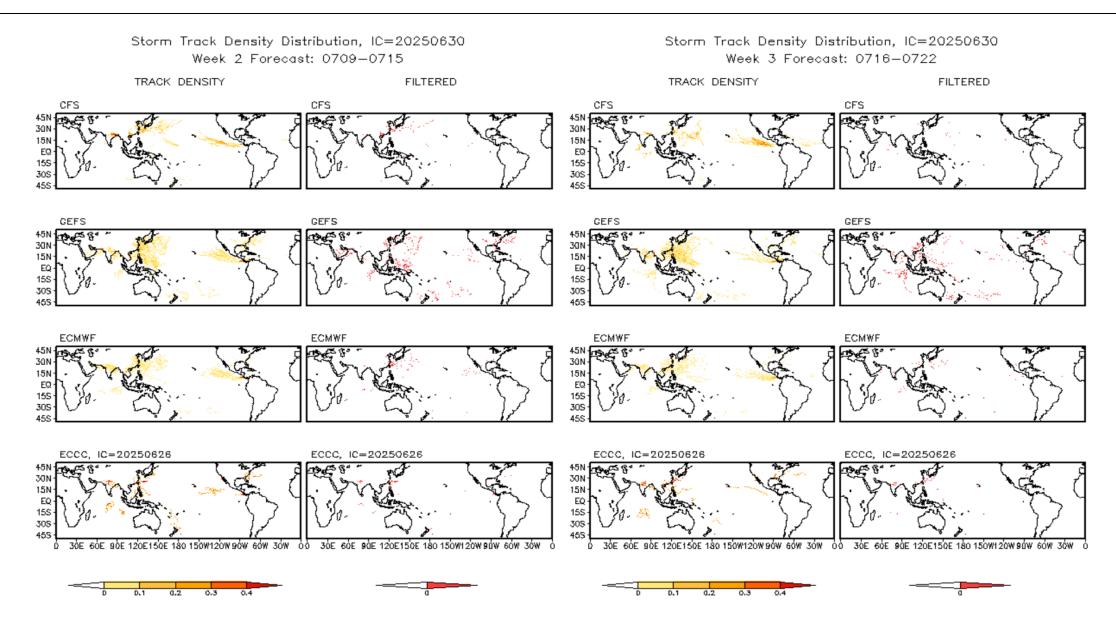


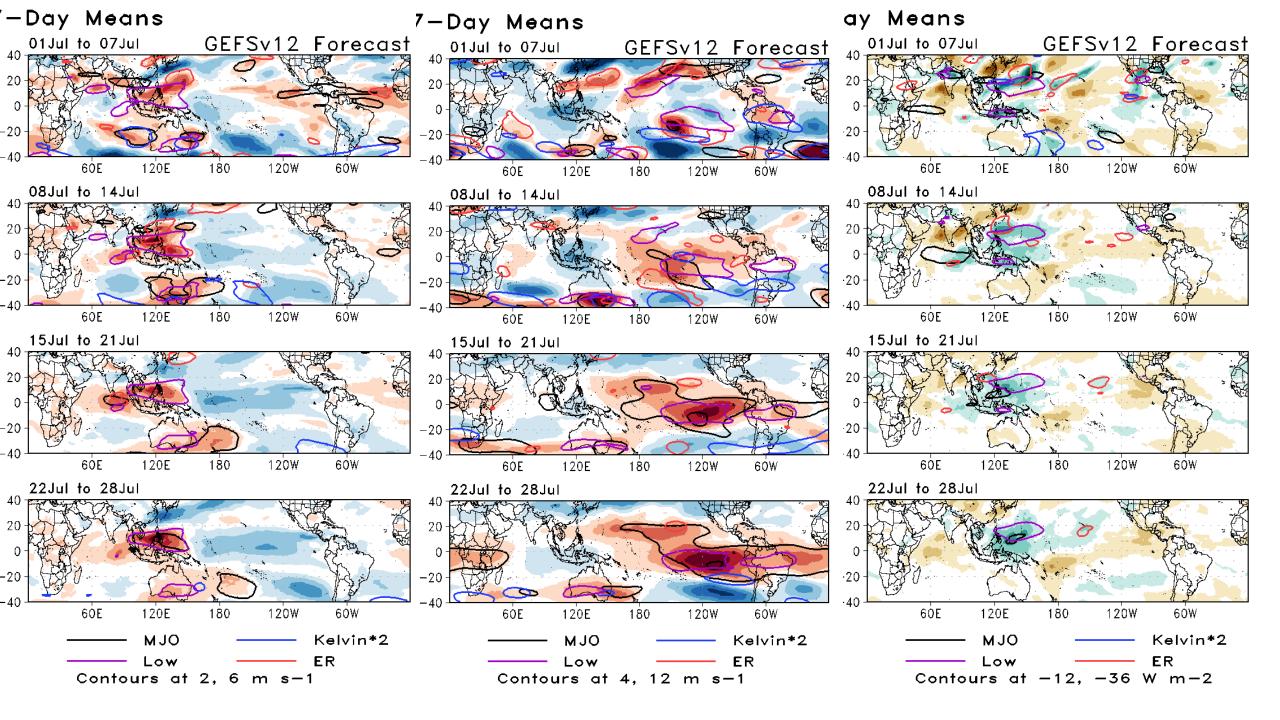






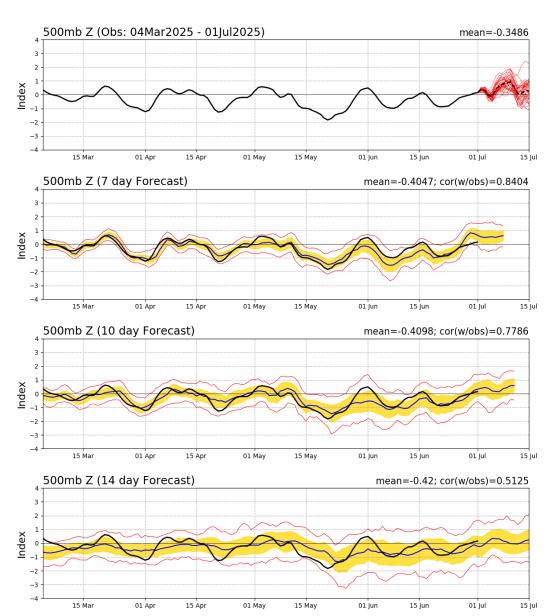
#### Multi-Model TC Track Densities: Weeks 2+3



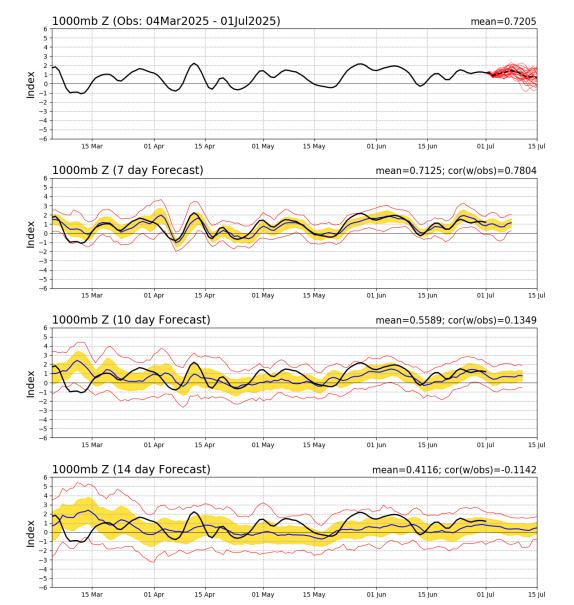


#### **Teleconnection Indices: PNA / AO:**

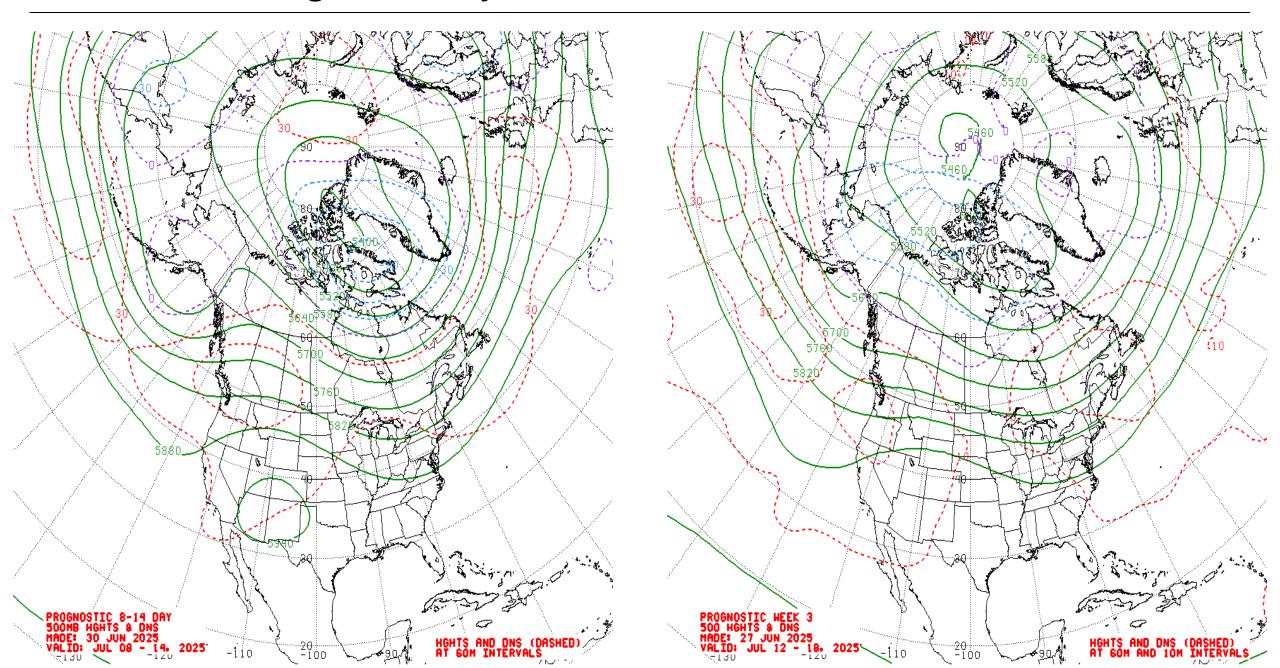
#### **PNA Index: Observed & GEFS Forecasts**



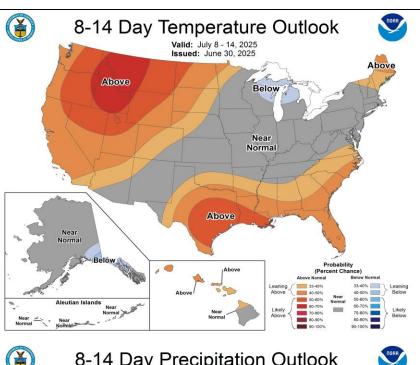
#### **AO Index: Observed & GEFS Forecasts**

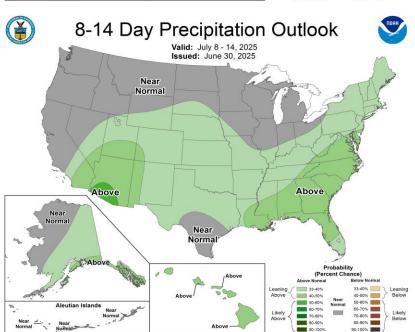


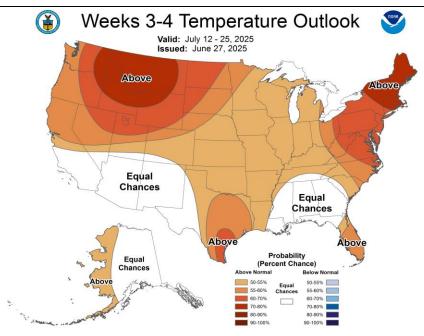
# Mean 500-hPa Height Anomaly Forecasts: Weeks 2+3

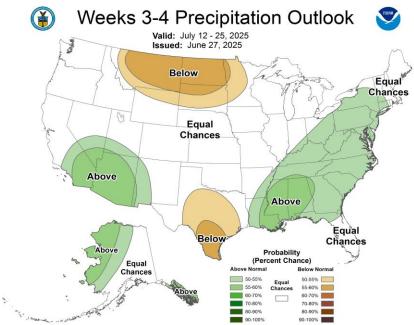


### **Official Temperature & Precipitation Forecasts:**









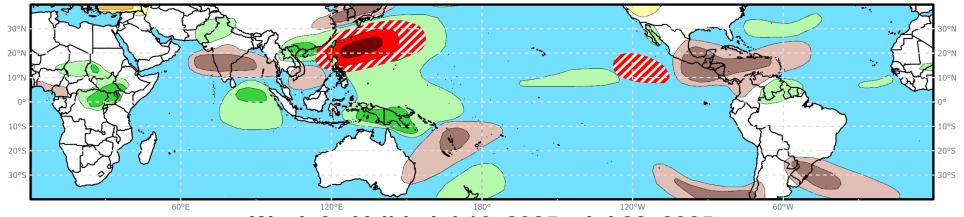


# Global Tropics Hazards Outlook

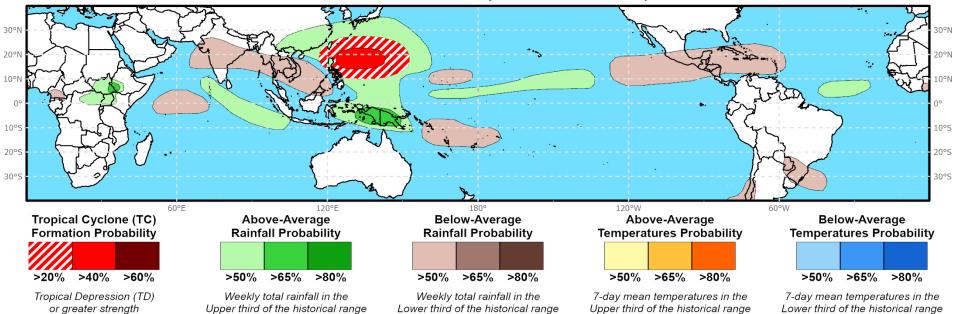


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