

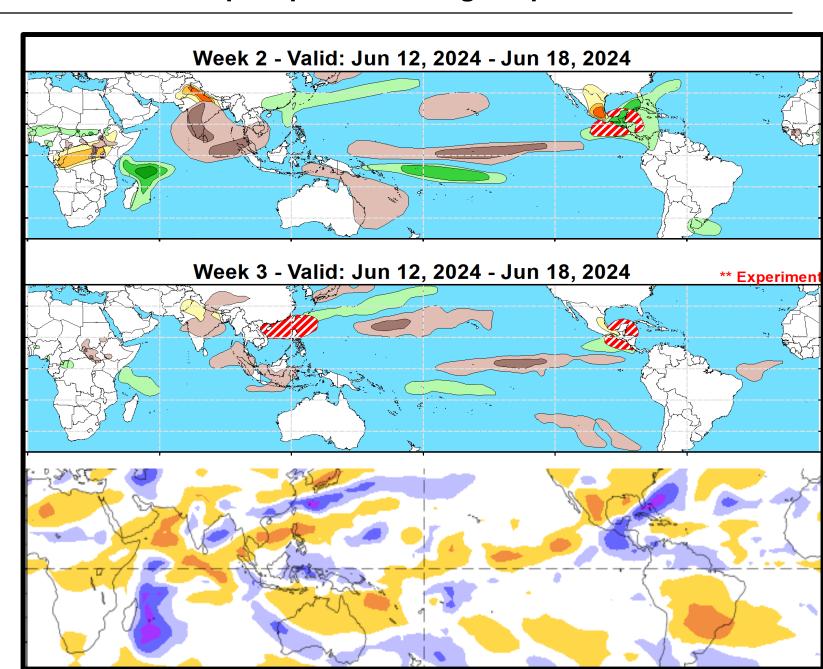


Weeks 2-3 Global Tropics Hazards Outlook 6/18/2024

Thomas Collow NWS / NCEP / Climate Prediction Center

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

No new TCs formed during the past week.



Synopsis of Climate Modes:

ENSO: (Jun 13, 2024 Update) next update on Thursday, Jul 11th

- ENSO Alert System Status: Final El Niño Advisory / La Niña Watch
- ENSO-neutral conditions are present. La Niña is favored to develop during July-September (65% chance) and persist into the Northern Hemisphere winter 2024-25.

MJO and other subseasonal tropical variability:

- The MJO has been inactive during the first half of June with the RMM-based index residing in the unit circle.
- Dynamical models depict some possible reorganization of the MJO over the Western Hemisphere and Indian Ocean over the next 2 weeks, although the phase speed may be more indicative of a Convectively Coupled Kelvin Wave.
- There is an enhanced low frequency convective signal located over the far Western Pacific, perhaps tied to the ENSO transition.

GTH Outlook:

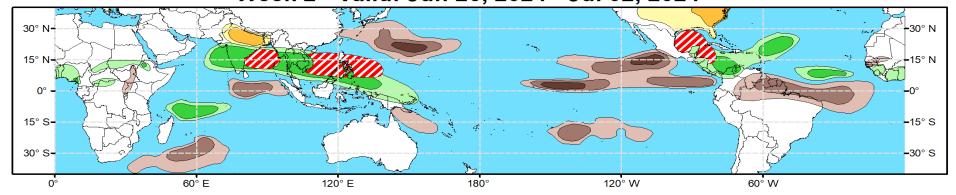


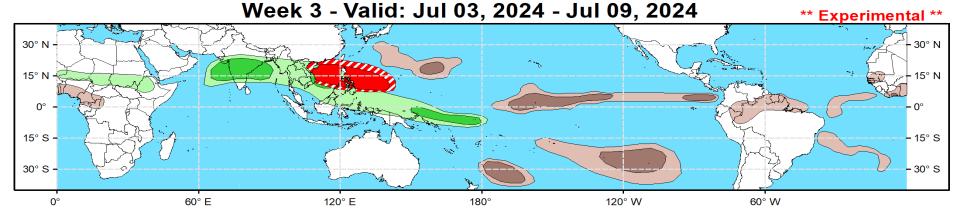
Global Tropics Hazards Outlook

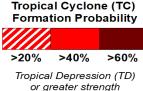
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Week 2 - Valid: Jun 26, 2024 - Jul 02, 2024



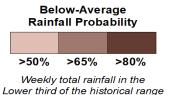


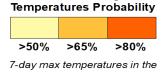




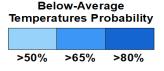
Above-Average

Rainfall Probability





Above-Average



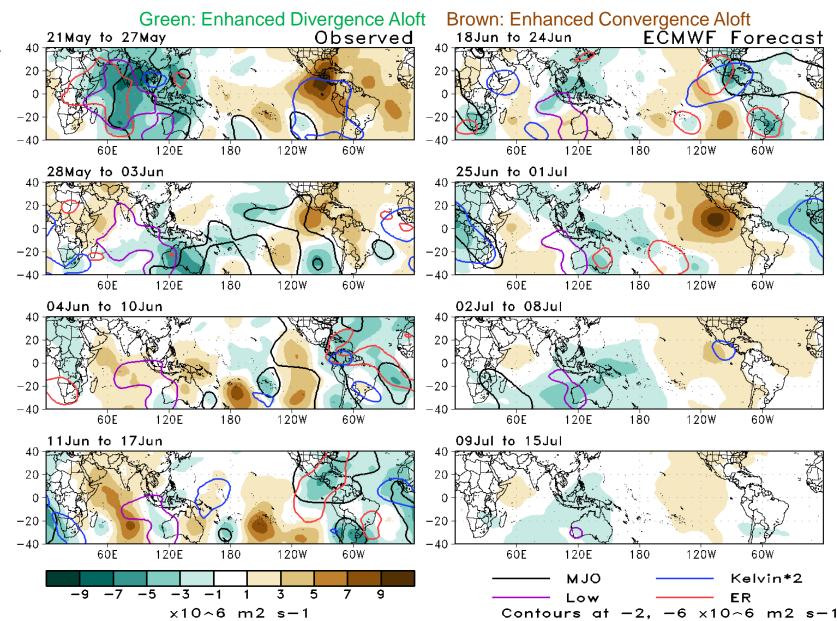
Upper third of the historical range

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

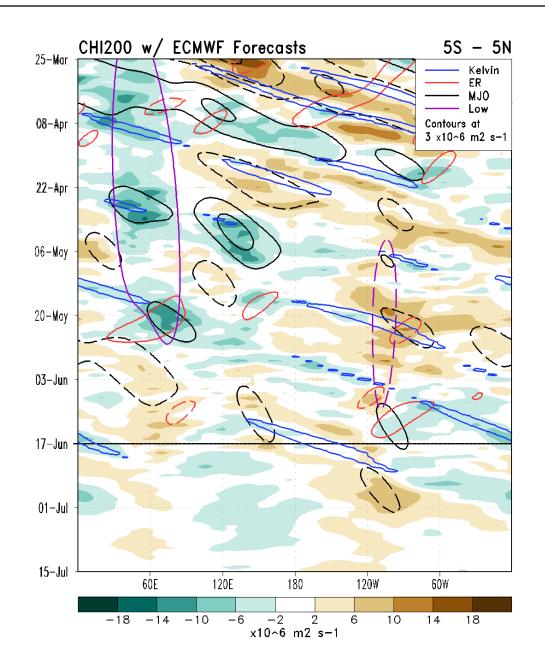
Issued: 06/18/2024 **Forecaster: Collow**

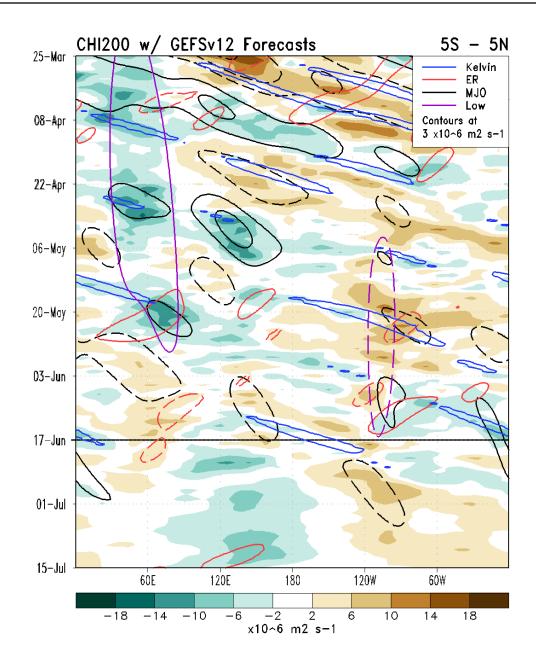
200-hPa Velocity Potential Anomaly Maps:

- The lack of MJO activity in early June has resulted in an incoherent spatial upper-level velocity potential pattern across the globe.
- Enhanced divergence aloft is currently over the Americas and the Atlantic, with several different modes of tropical variability coming through the objective filtering.
- Over the next few weeks, a more organized pattern may develop with enhanced divergence (convergence) aloft across the Eastern (Western) Hemisphere.

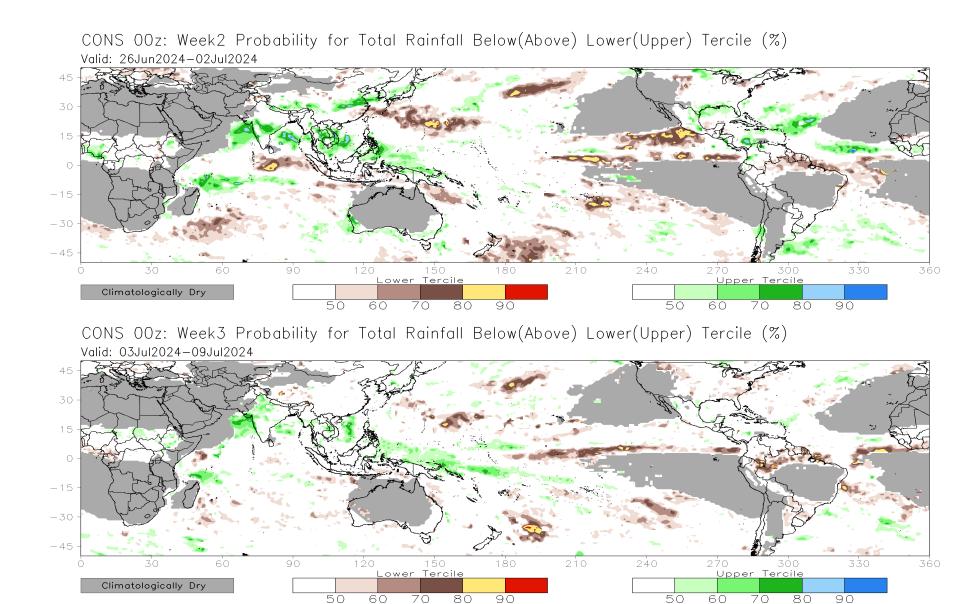


200-hPa Velocity Potential Anomaly Time/Lon Plots:

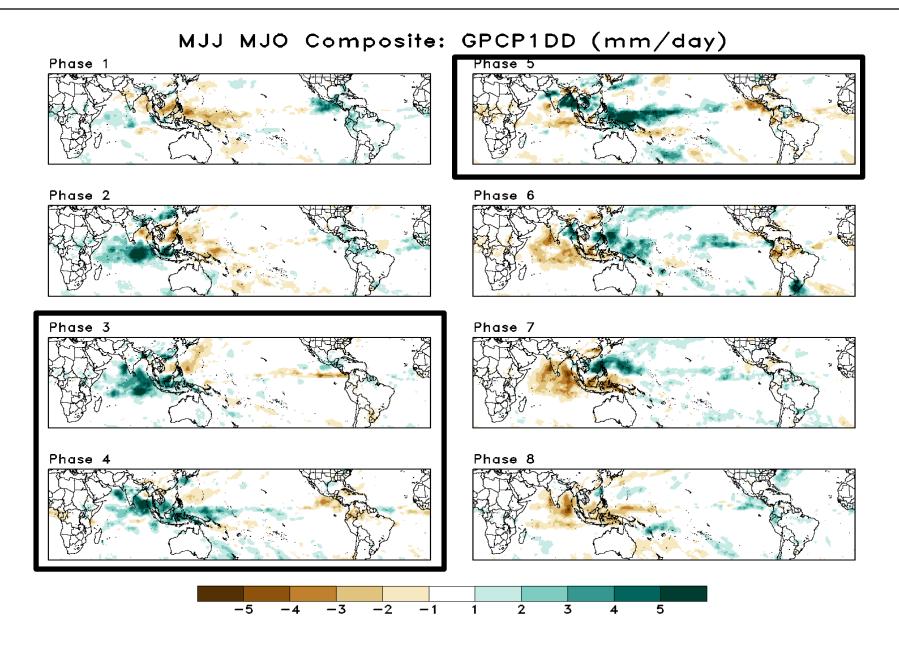




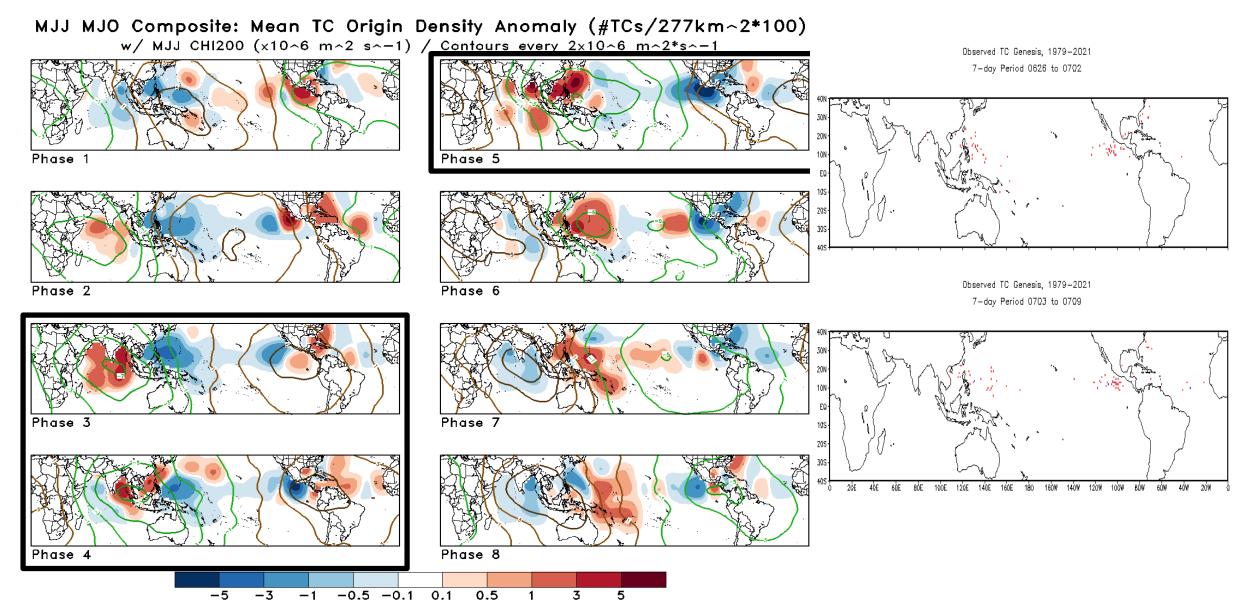
Consolidated Probabilistic Precipitation: Weeks 2 & 3



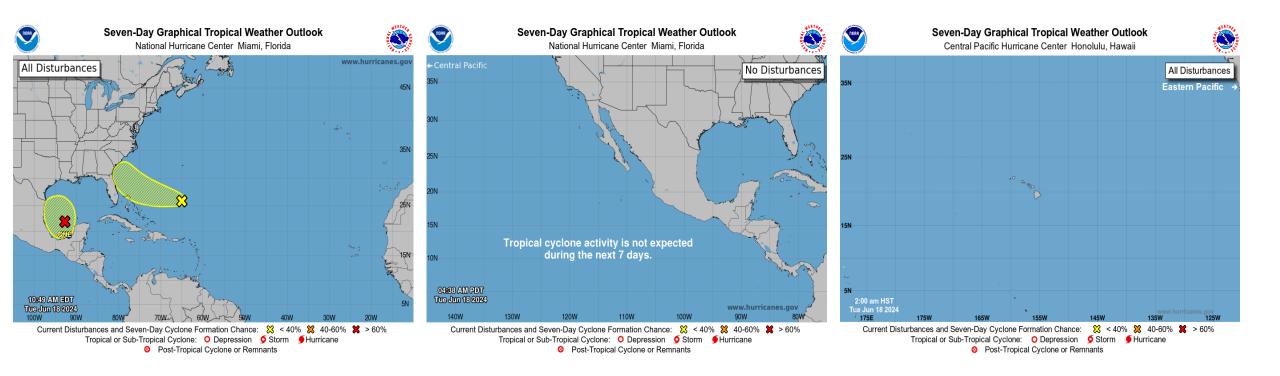
Historical Precipitation Anomalies By MJO Phase:



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



Tropical Cyclone Monitoring/Forecast: NHC / CPHC

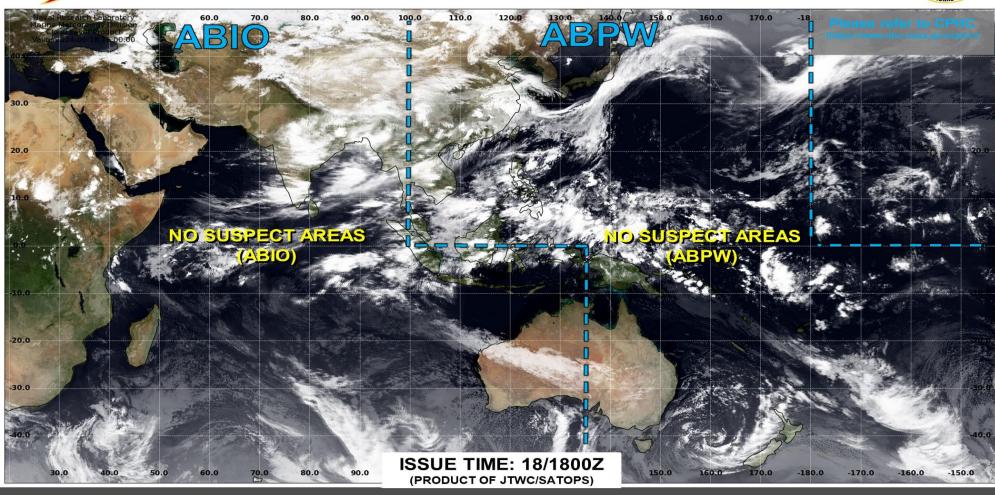


Tropical Cyclone Monitoring/Forecast: JTWC



JOINT TYPHOON WARNING CENTER





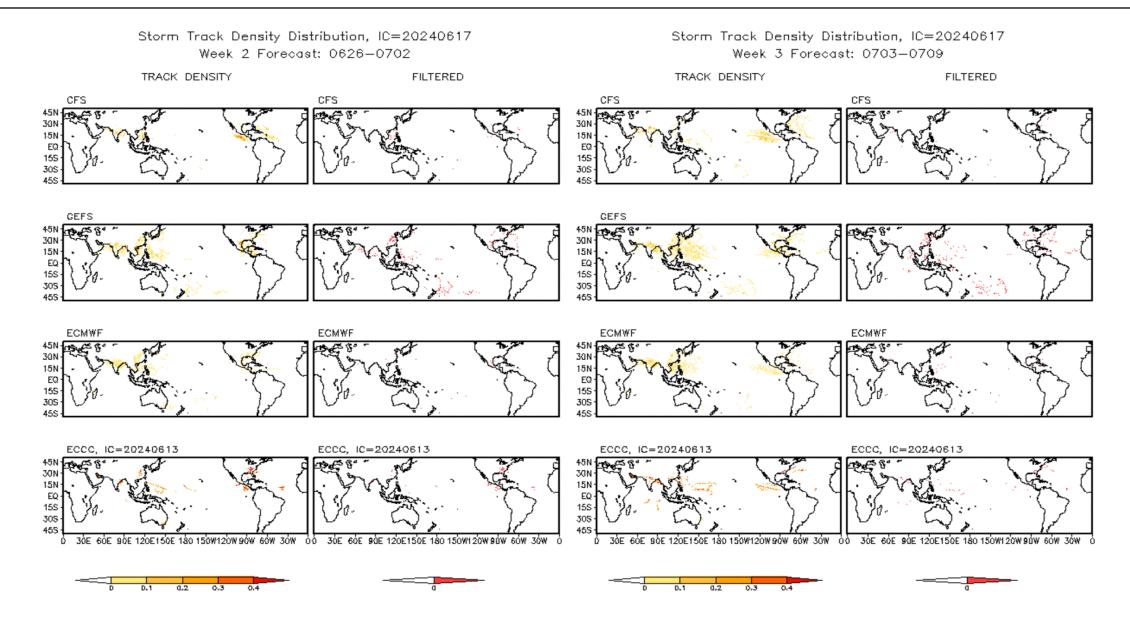


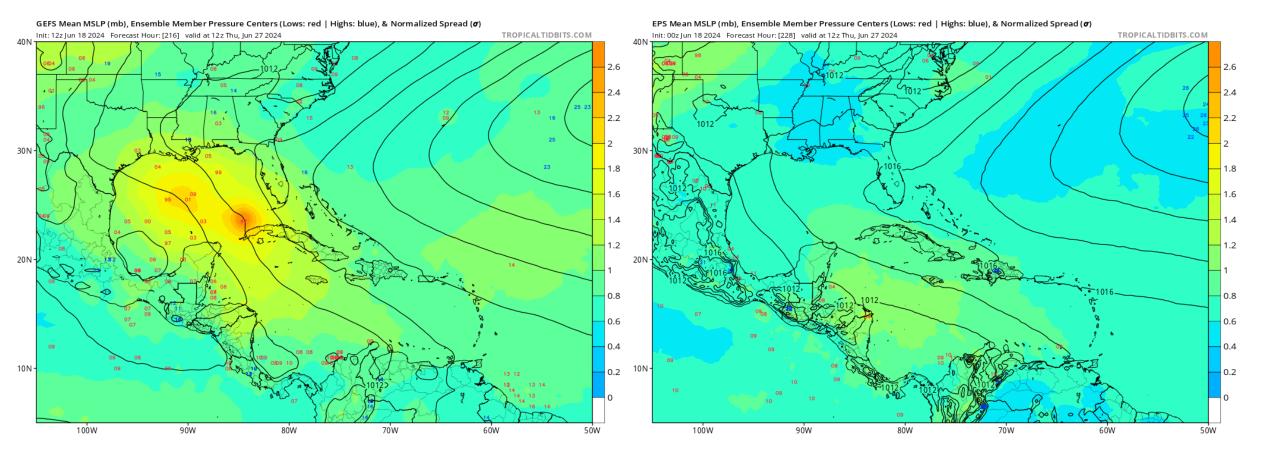






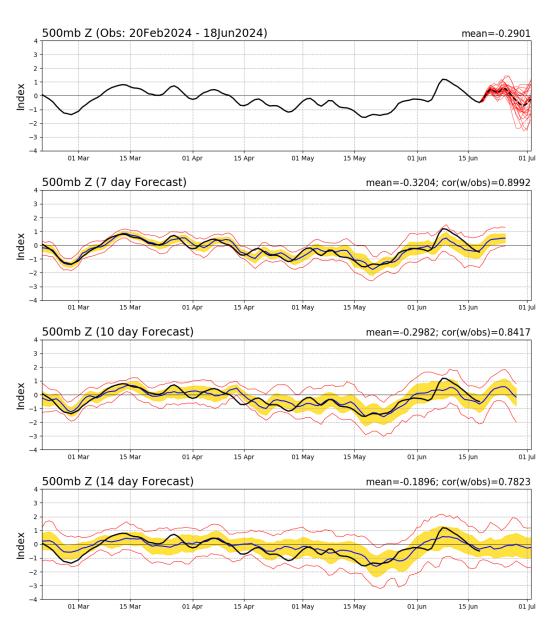
Multi-Model TC Track Densities: Weeks 2+3



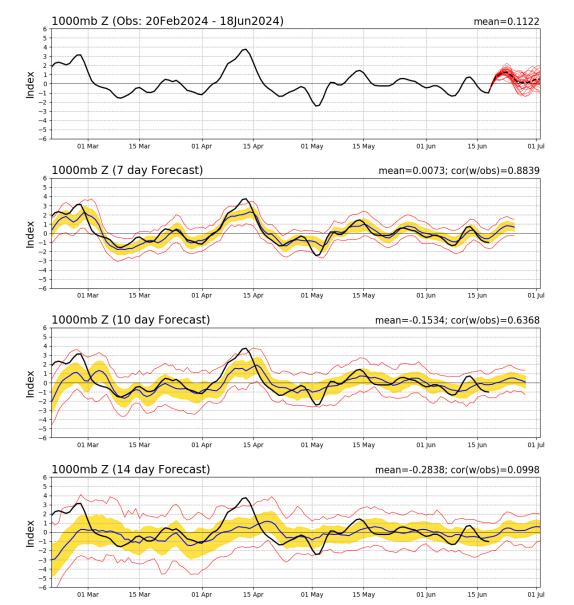


Teleconnection Indices: PNA / AO:

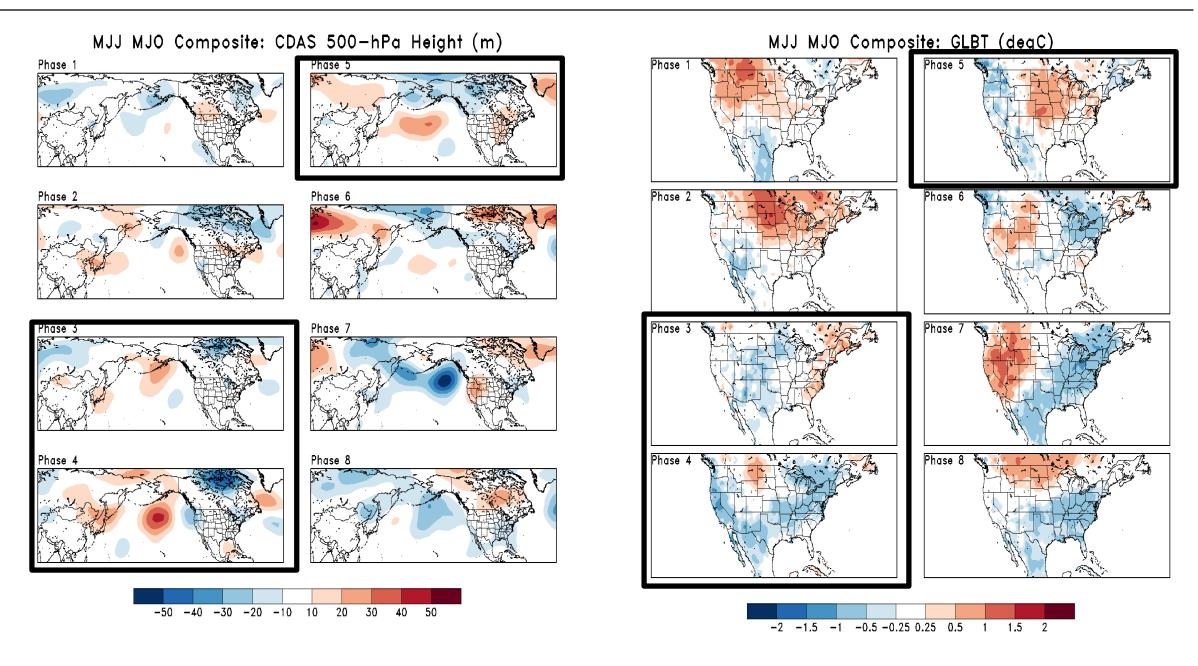
PNA Index: Observed & GEFS Forecasts



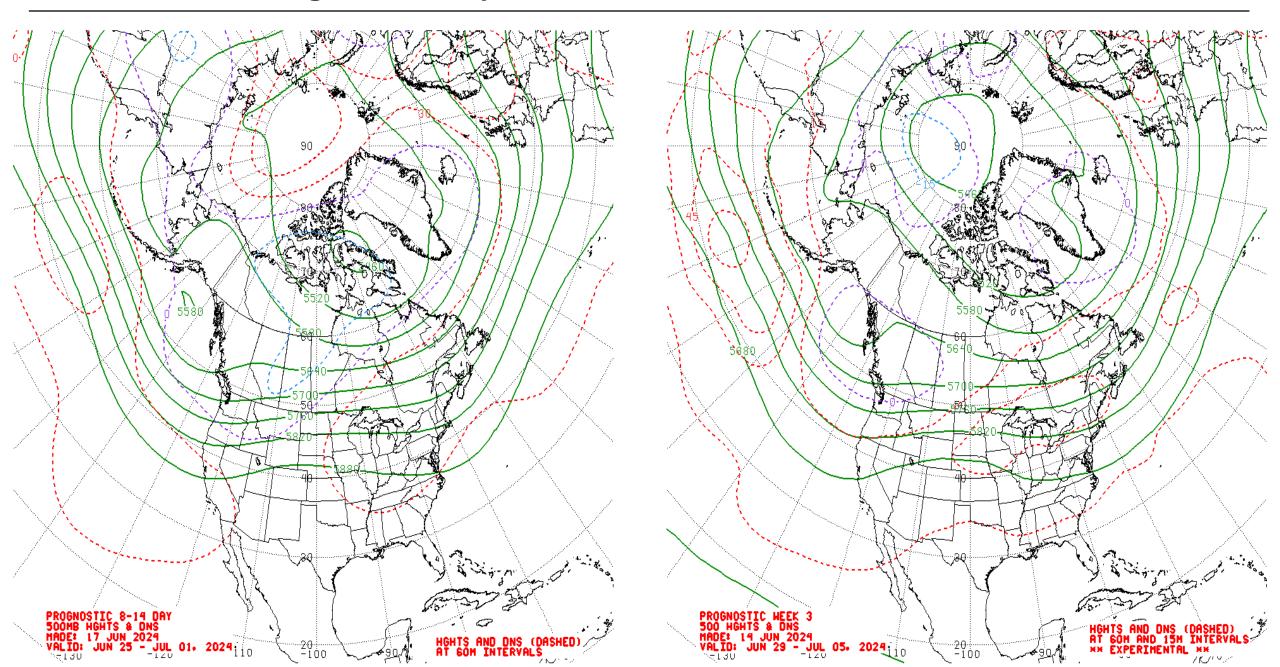
AO Index: Observed & GEFS Forecasts



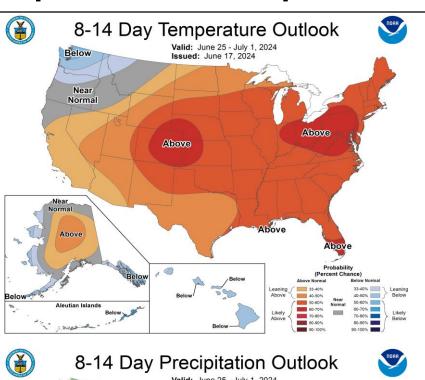
Historical 500-hPa Height & U.S. Temperatures By MJO Phase:

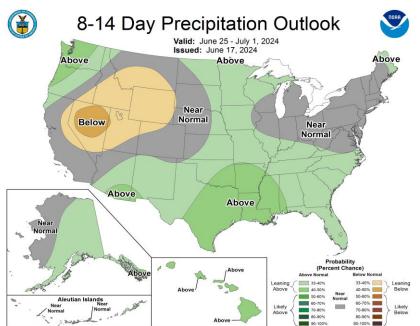


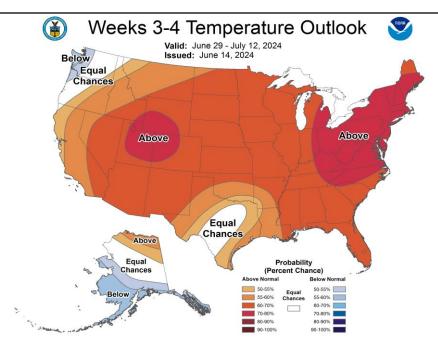
Mean 500-hPa Height Anomaly Forecasts: Weeks 2+3

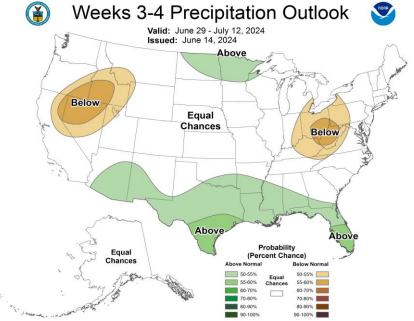


Official Temperature & Precipitation Forecasts:









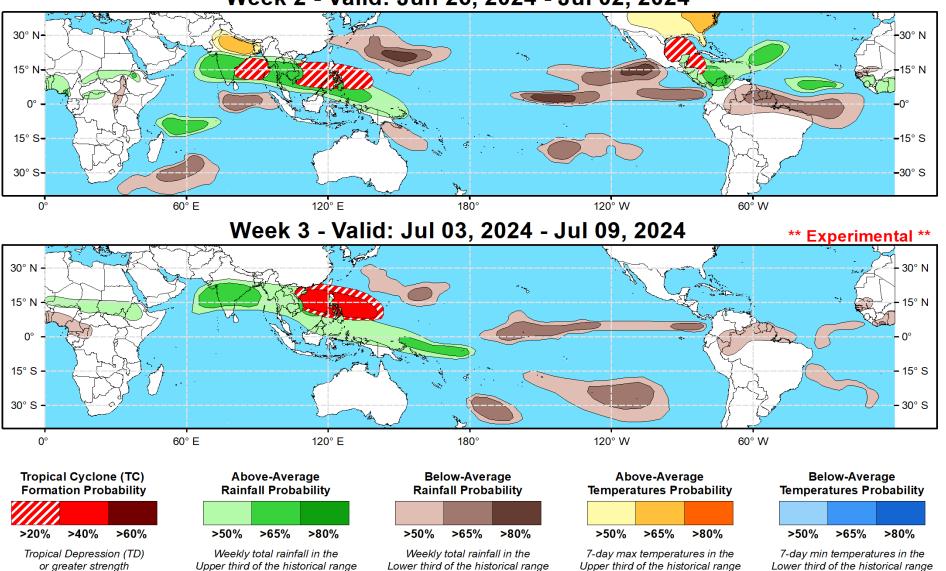


Global Tropics Hazards Outlook

Climate Prediction Center



Week 2 - Valid: Jun 26, 2024 - Jul 02, 2024



Issued: 06/18/2024 Forecaster: Collow 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.