



Weeks 2-3 Global Tropics Hazards Outlook 8/1/2023

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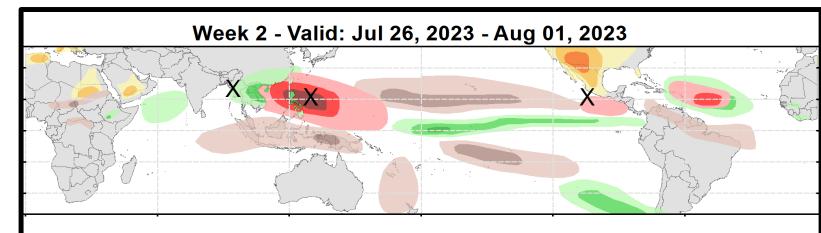
Outlook Review: TC development & anomalous precipitation during the past week

Typhoon Doksuri made landfall in Fujian province in eastern China on July 28.

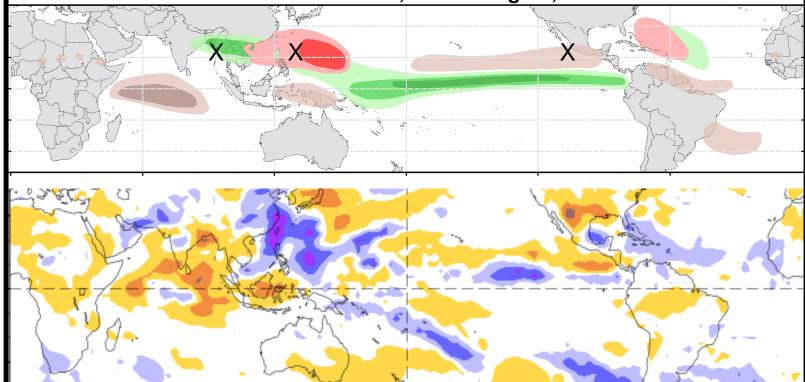
July 28: Typhoon Khanun formed in the West Pacific

August 1: Tropical Storm Dora developed in the East Pacific

August 1: TC in the northeast Bay of Bengal



Week 3 - Valid: Jul 26, 2023 - Aug 01, 2023

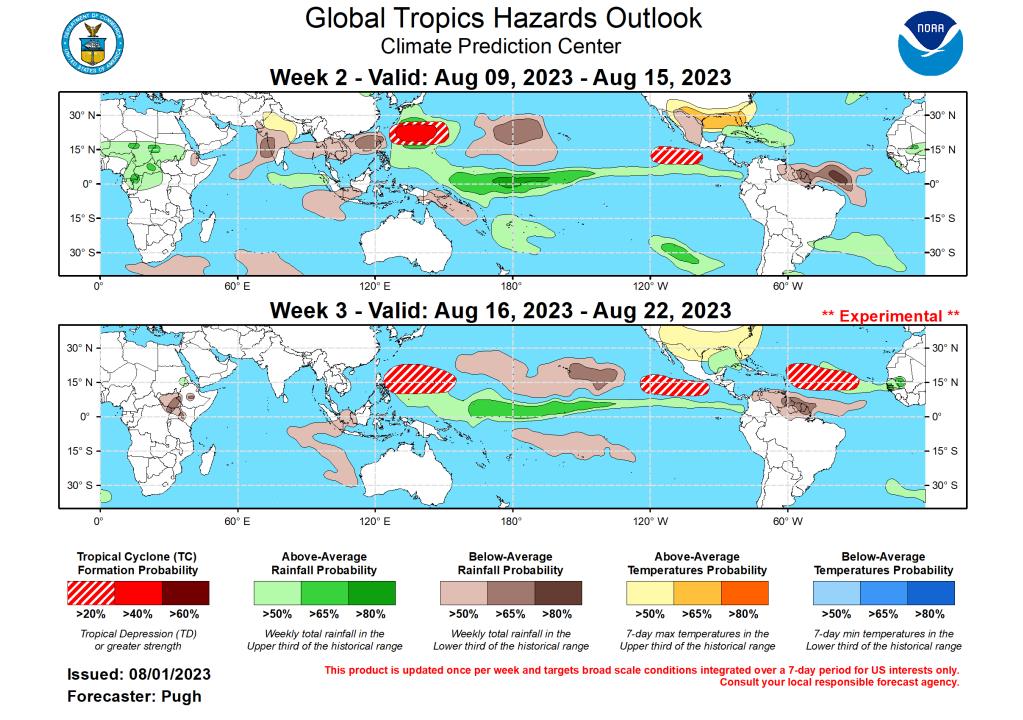


ENSO: (July 13, 2023 Update) next update on Thursday, Aug 10th

- ENSO Alert System Status: El Niño Advisory
- There is a greater than 90% chance that El Niño will continue through the Northern Hemisphere winter.

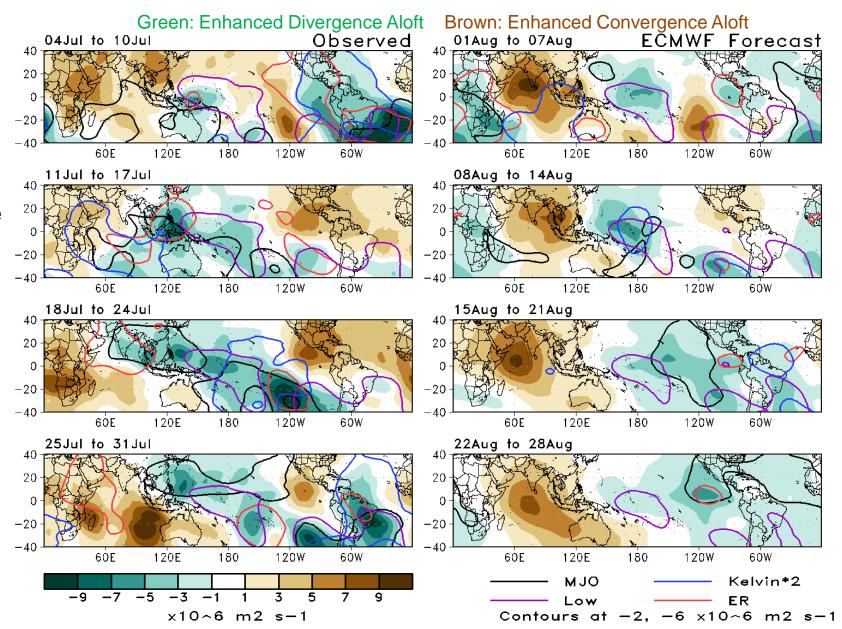
MJO and other subseasonal tropical variability:

- MJO has weakened although there is a remnant signal observed in a couple of diagnostic tools.
- Dynamical model forecasts either maintain a weak MJO or exhibit large spread among the ensemble members.
- Given the large uncertainty on the MJO evolution, forecast confidence is tempered for weeks 2 and 3.

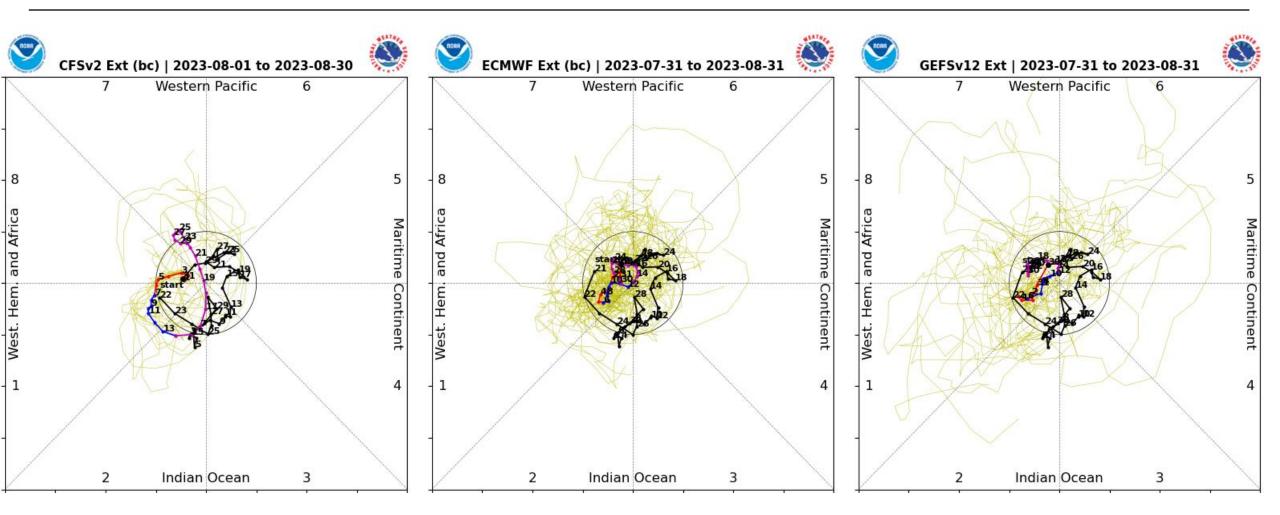


200-hPa Velocity Potential Anomaly Maps:

- Wave-1 structure during mid July became less coherent.
- El Nino (denoted by the purple contour) is expected to have the greatest influence.

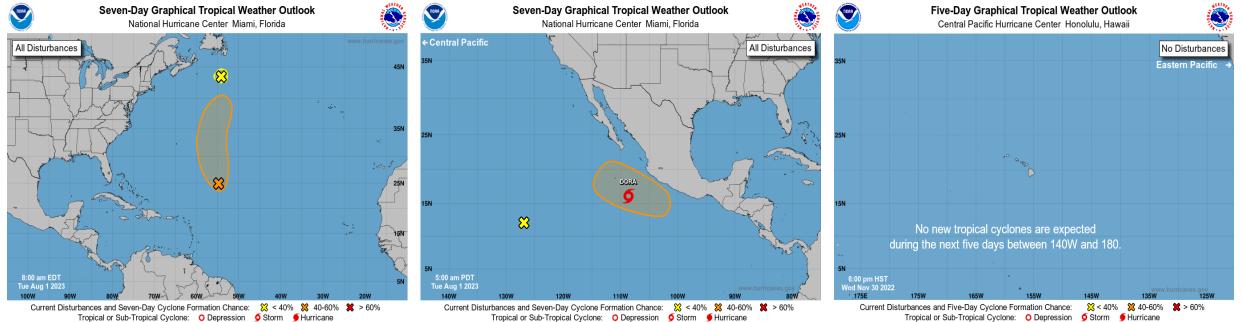


RMM Index Observations & Forecasts:



- The CFS ensemble mean is most bullish with an increasing amplitude as the MJO propagates eastward to the Indian Ocean by mid-August.
- However, ensemble spread is large among the ECMWF and GEFS.

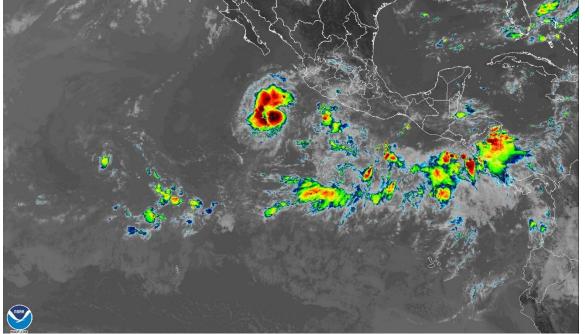
Tropical Cyclone Monitoring/Forecast: NHC



Post-Tropical Cyclone or Remnants

Tropical or Sub-Tropical Cyclone: O Depression Storm Storm Post-Tropical Cyclone or Remnants

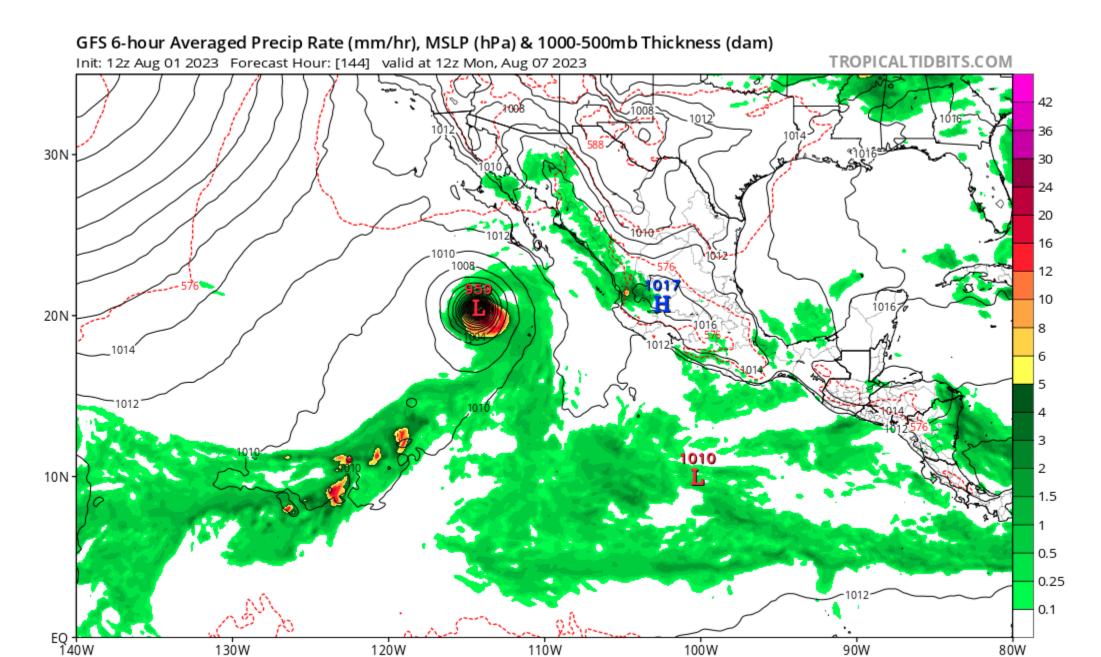
Tropical or Sub-Tropical Cyclone: O Depression Storm Storm Ø Post-Tropical Cyclone or Remnants



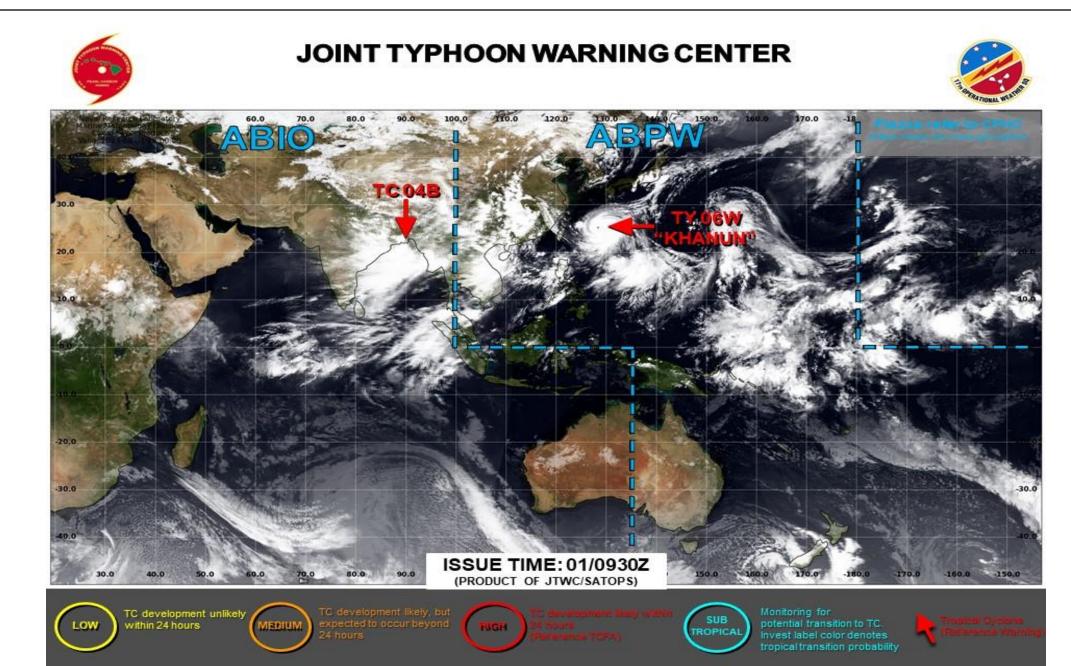
01 Aug 2023 16:30Z - NOAA/NESDIS/STAR - GOES-East - Band 13 - EEP

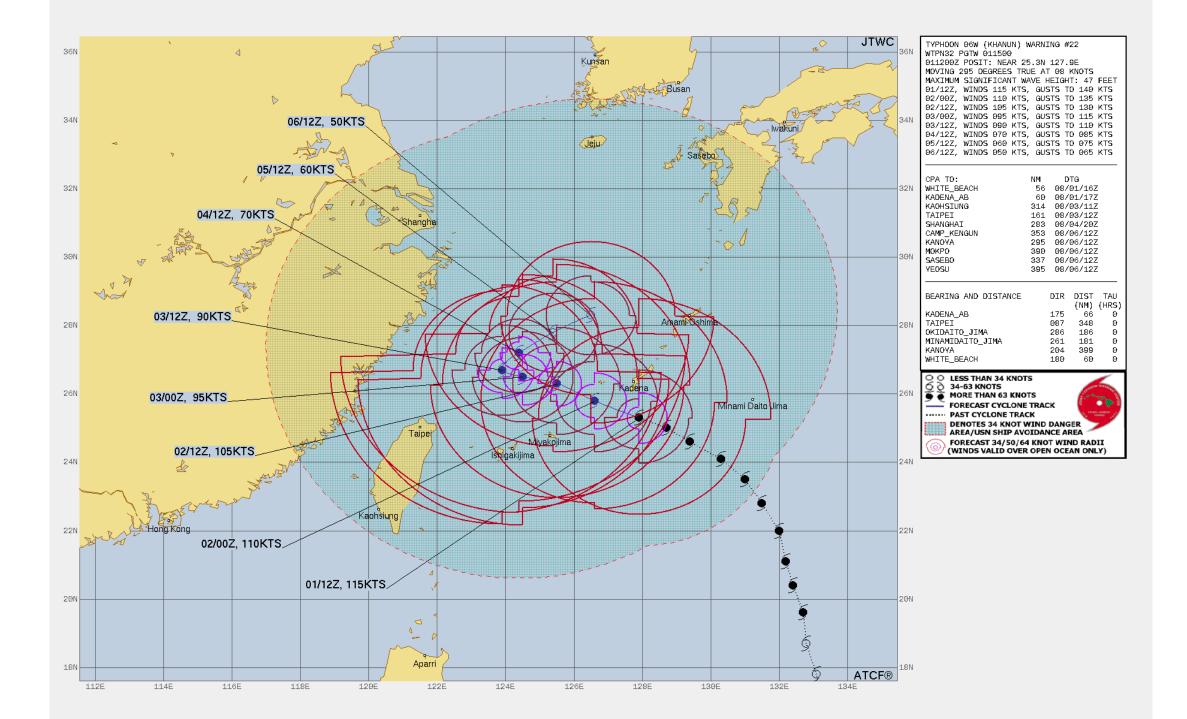


Next potential TC in the East Pacific...



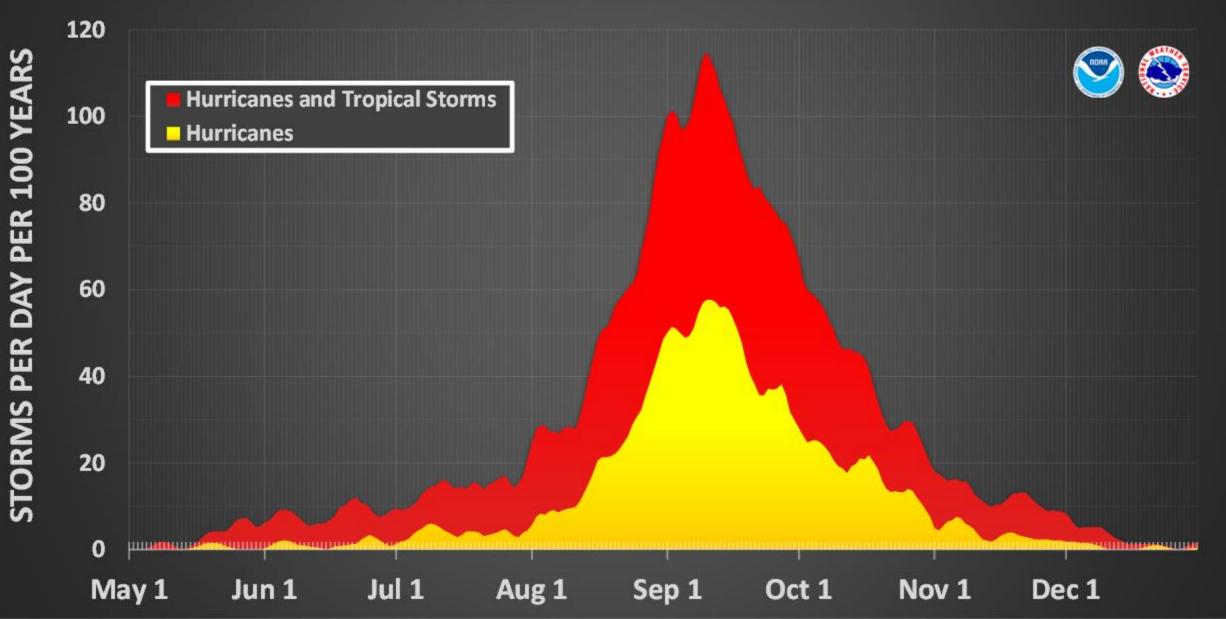
Tropical Cyclone Monitoring/Forecast: JTWC

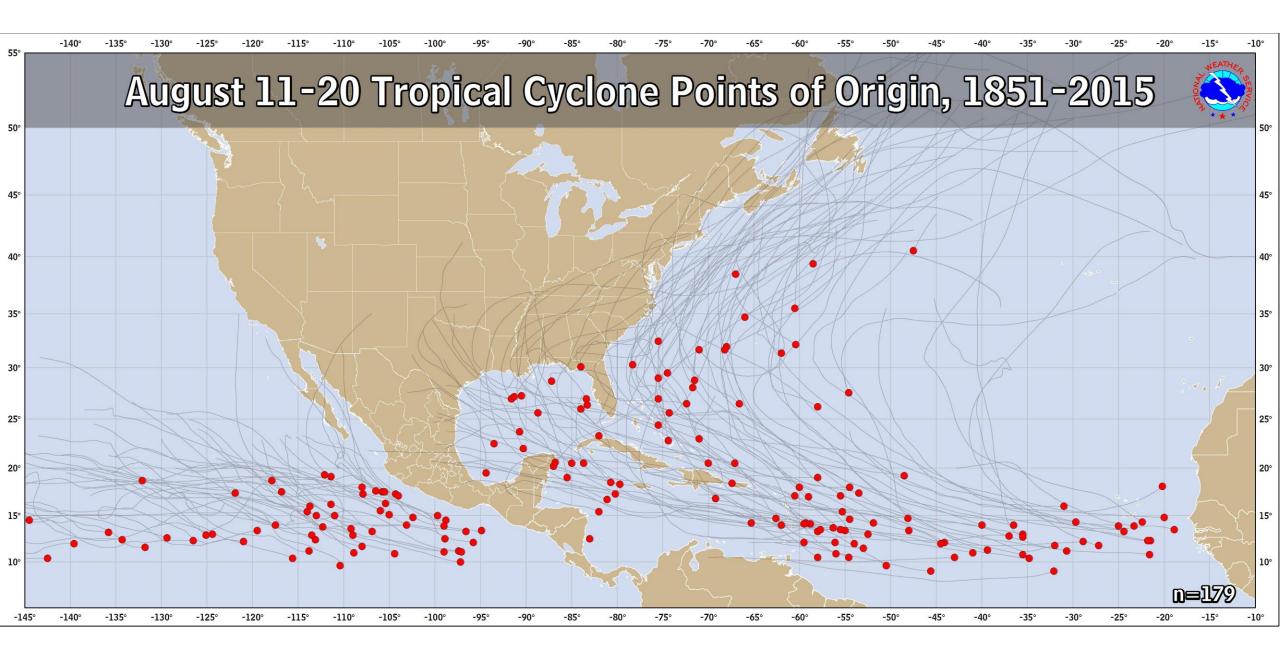




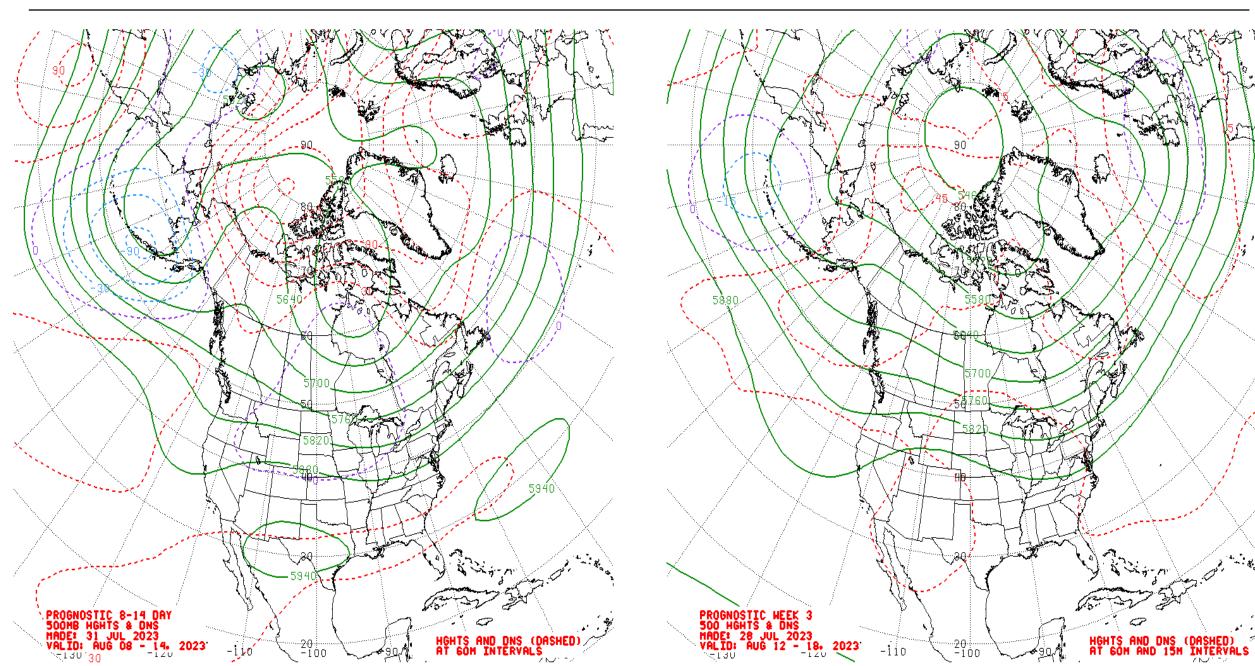
Atlantic Hurricane and Tropical Storm Activity

Based on Data from 1944 to 2020





Mean 500-hPa Height Anomaly Forecasts:



Official Temperature & Precipitation Forecasts:

