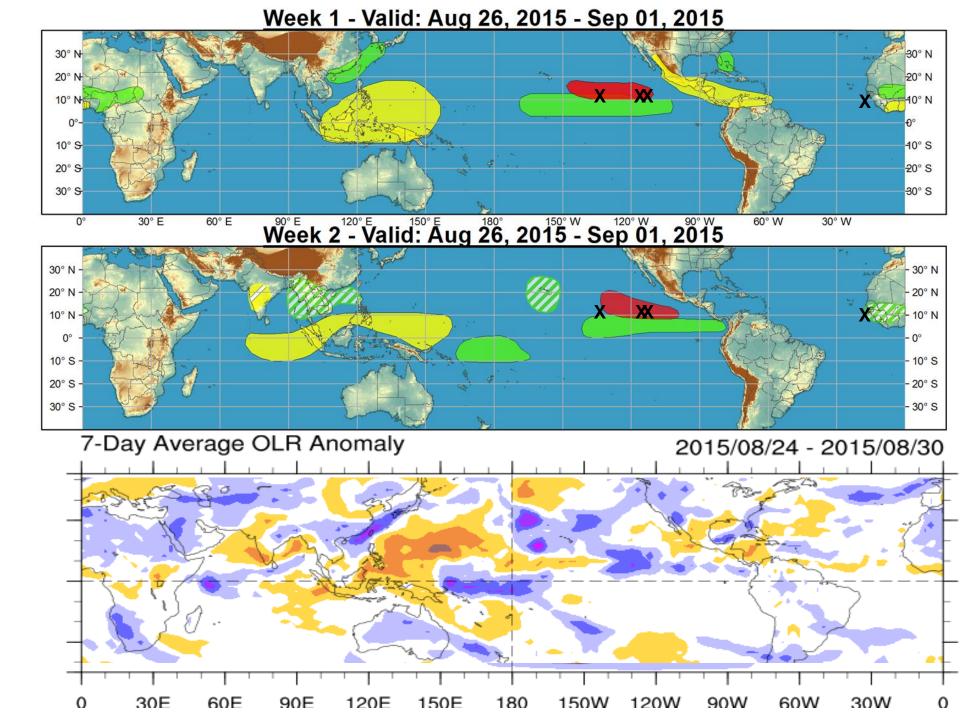
Global Tropics Hazards And Benefits Outlook <u>September 1, 2015</u>

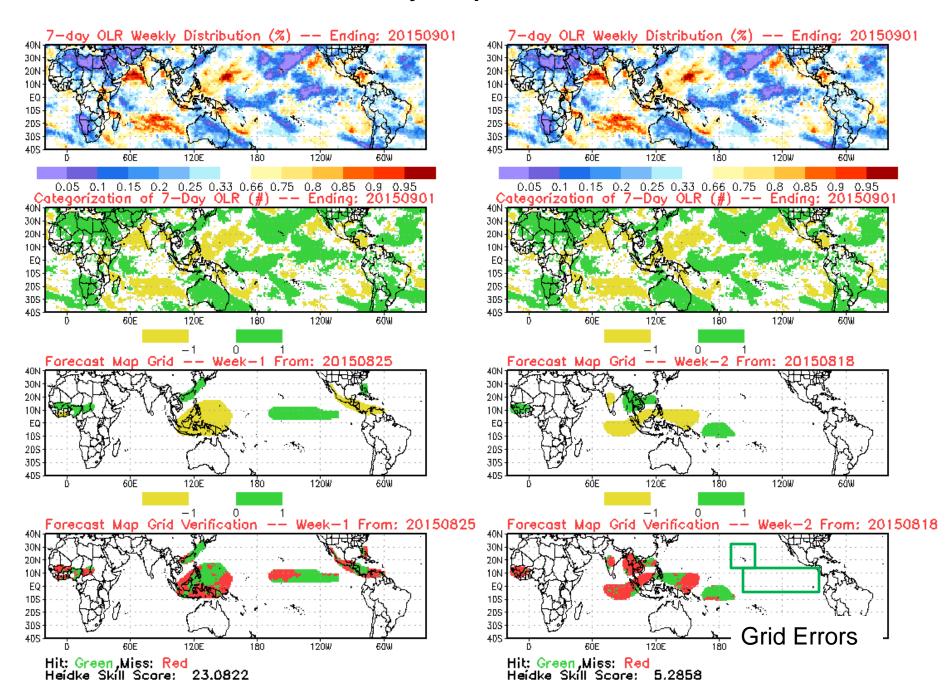
Adam Allgood

Outline

- 1. Review of Recent Conditions
- 2. Synopsis of Climate Modes
- 3. GTH Outlook and Forecast Discussion
- 4. Connections to U.S. Impacts



Wet and Dry Shape Verifications



Synopsis of Climate Modes

ENSO:

- Current: El Niño Advisory
- Outlook: There is a greater than 90% chance that El Niño will continue through Northern Hemisphere winter 2015-16, and around an 80% chance it will last into early spring 2016.

MJO and other subseasonal tropical variability:

- The MJO remains weak, and is forecast to remain weak.
- Some observational fields indicate an eastward moving signal over the Pacific related to the basins that have been favored for tropical cyclone development.

Extratropics:

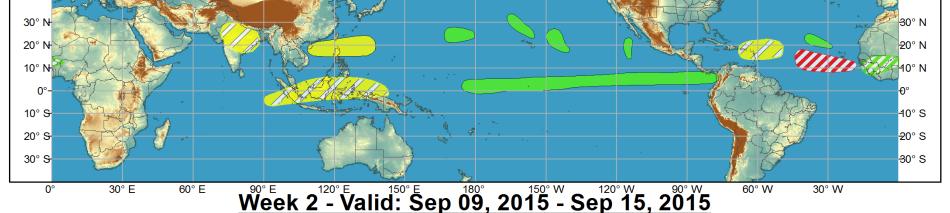
- No MJO impacts on the extratropics are anticipated
- Multiple potential recurving tropical cyclones may have a significant impact on downstream mid-latitude pattern changes and amplification.

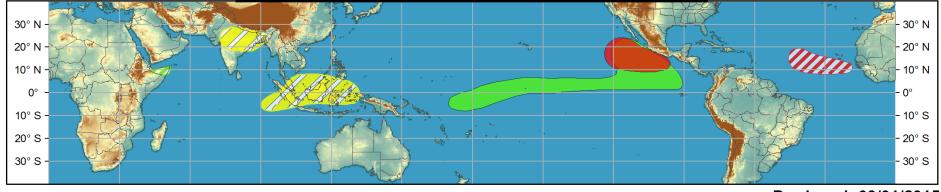


Global Tropics Hazards and Benefits Outlook - Climate Prediction Center









Confidence High Moderate Produced: 09/01/2015

Forecaster: Allgood

Tropical Cyclone Formation Development of a tropical cyclone (tropical depression - TD, or greater strength).

Weekly total rainfall in the lower third of the historical range.

7-day mean temperatures in the upper third of the historical range.

Below-normal temperatures 7-day mean temperatures in the lower third of the historical range.

Product is updated once per week, except from 6/1 - 11/30 for the region from 120E to 0, 0 to 40N. The product targets broad scale conditions integrated over a 7-day period for US interests only. Consult your local responsible forecast agency.



Below-average rainfall

Above-normal temperatures









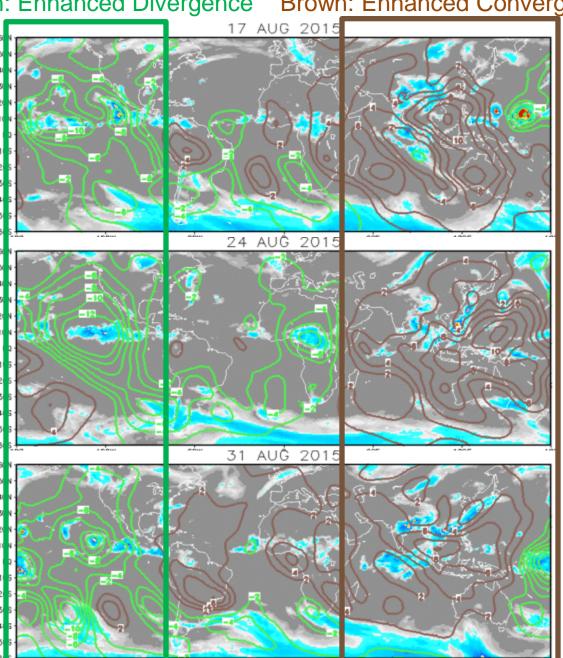




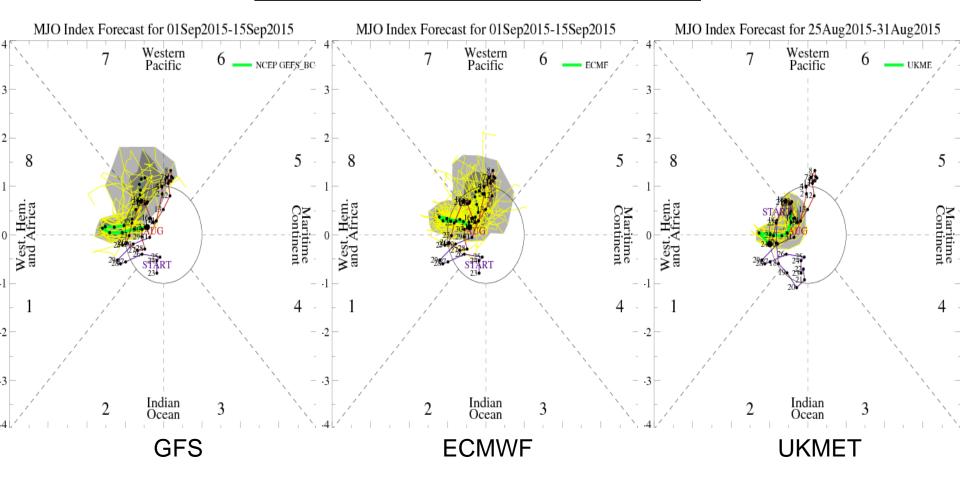
IR Satellite & 200-hpa Velocity Potential Anomalies

Green: Enhanced Divergence Brown: Enhanced Convergence

El Niño pattern is locked into place

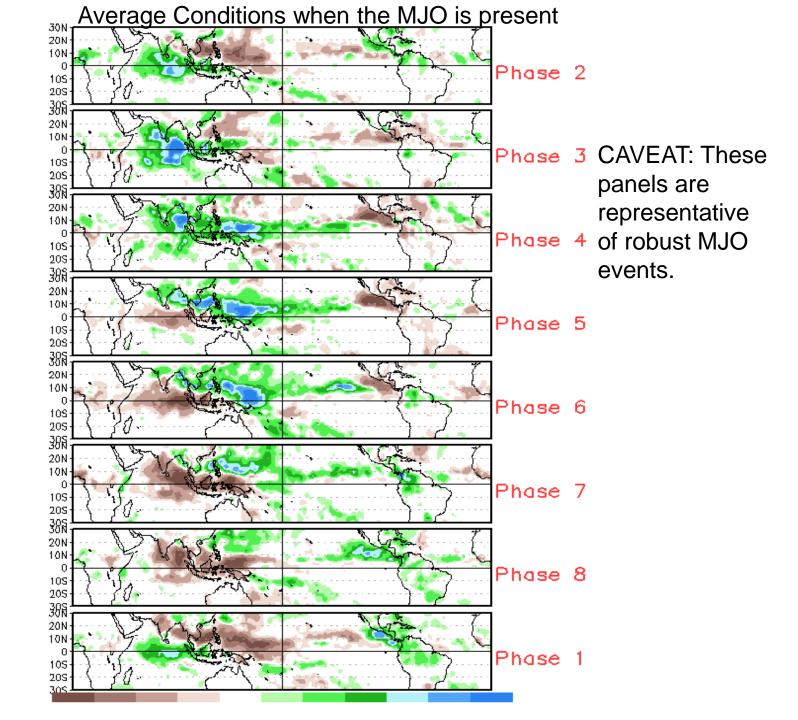


MJO Observation/Forecast

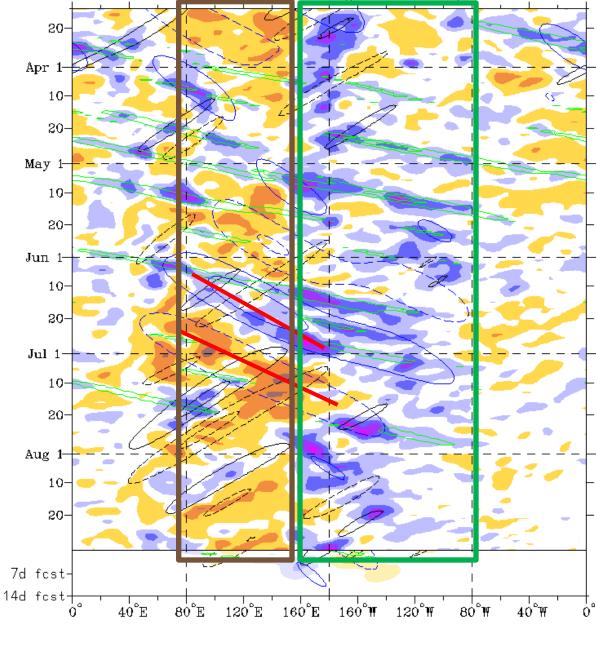


No MJO activity apparent in these RMM MJO Index forecasts.

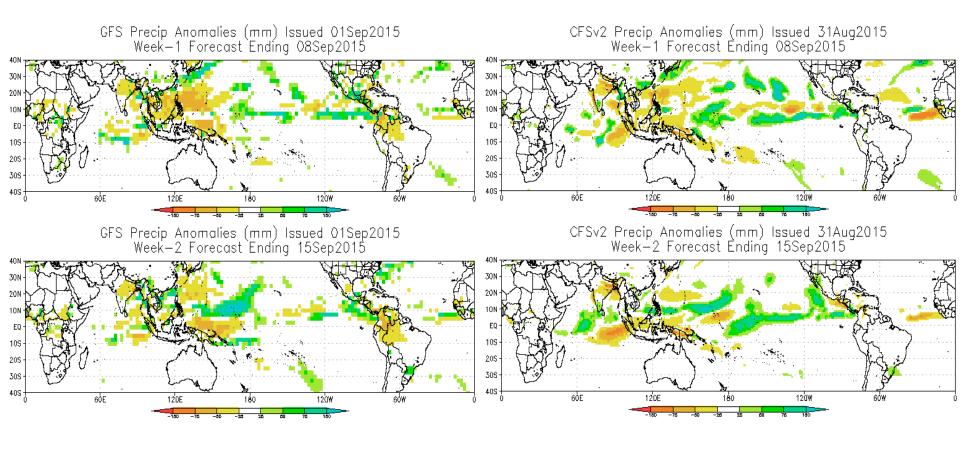
Signal over Western Hemisphere may be related to TC activity.

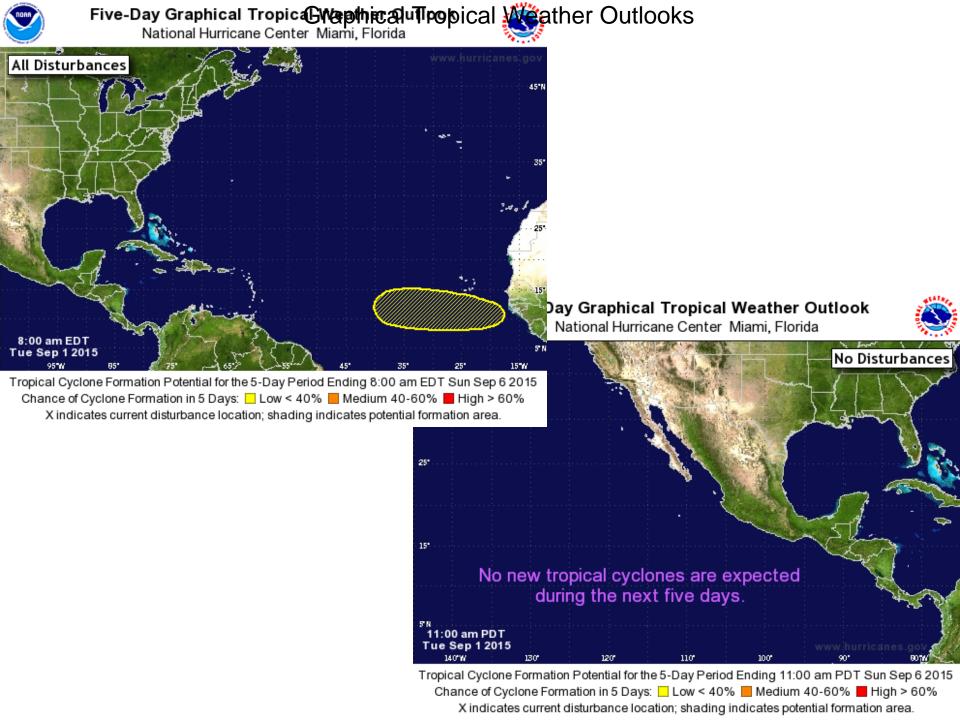


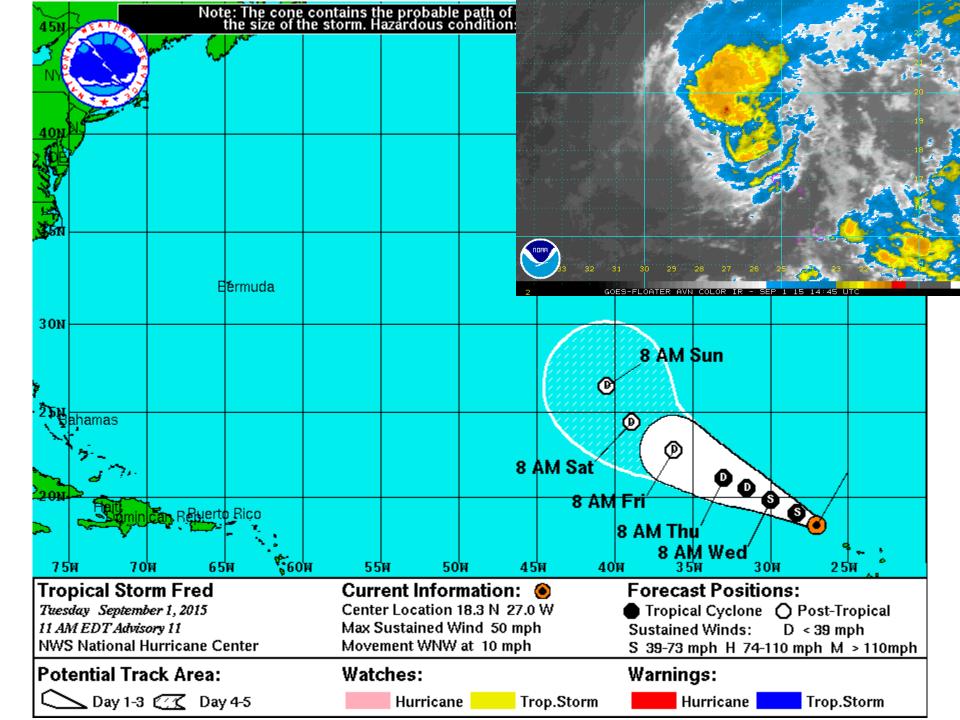
El Niño conditions are dominating the OLR pattern.

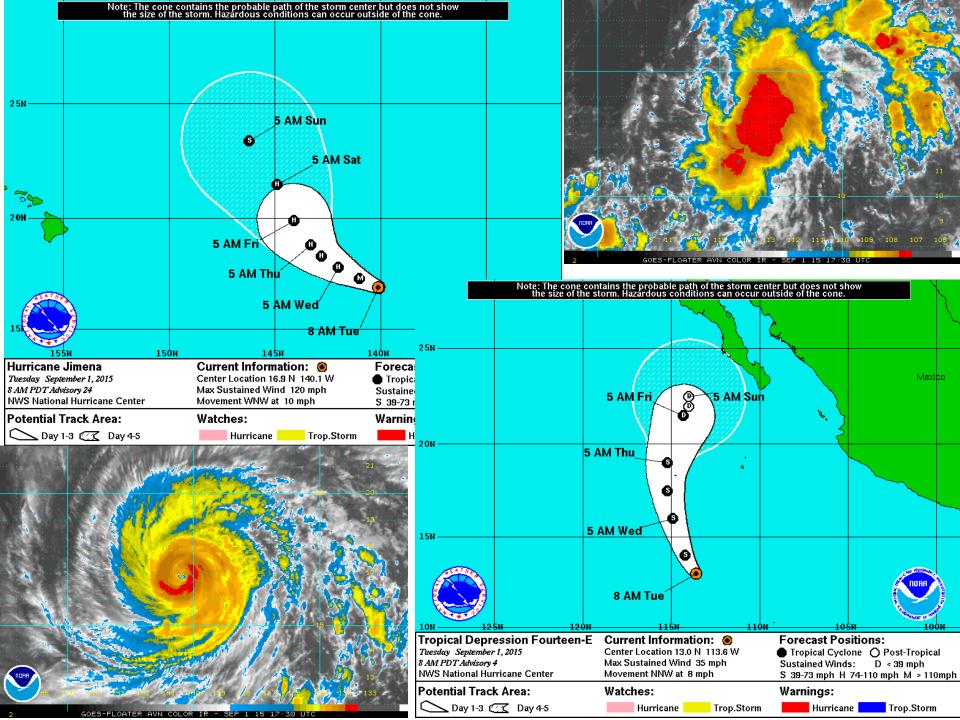


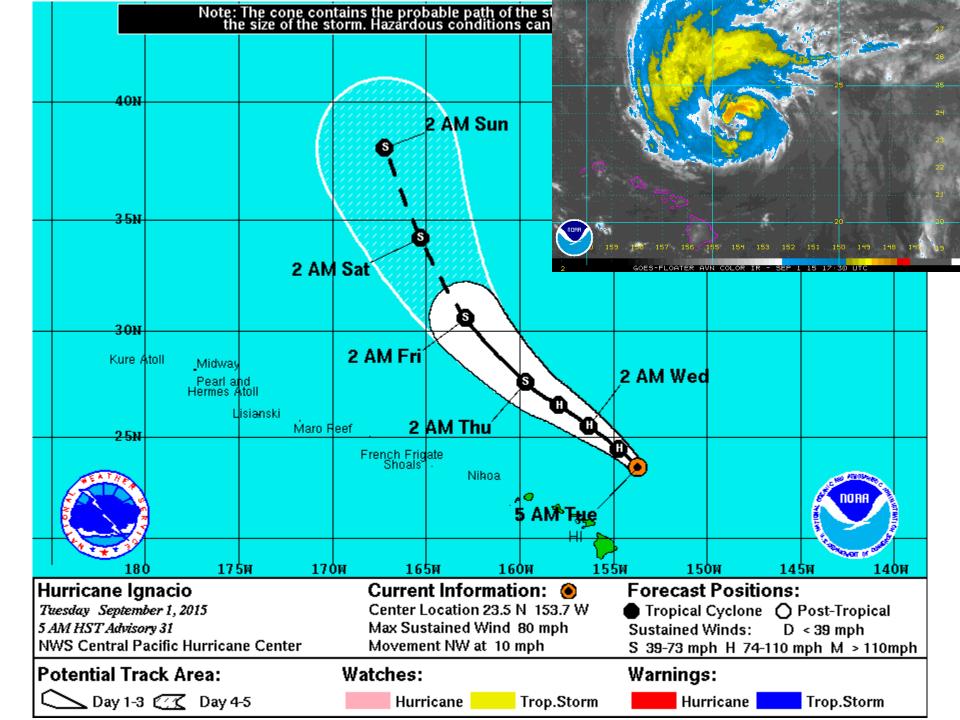
Westward moving features are TCs

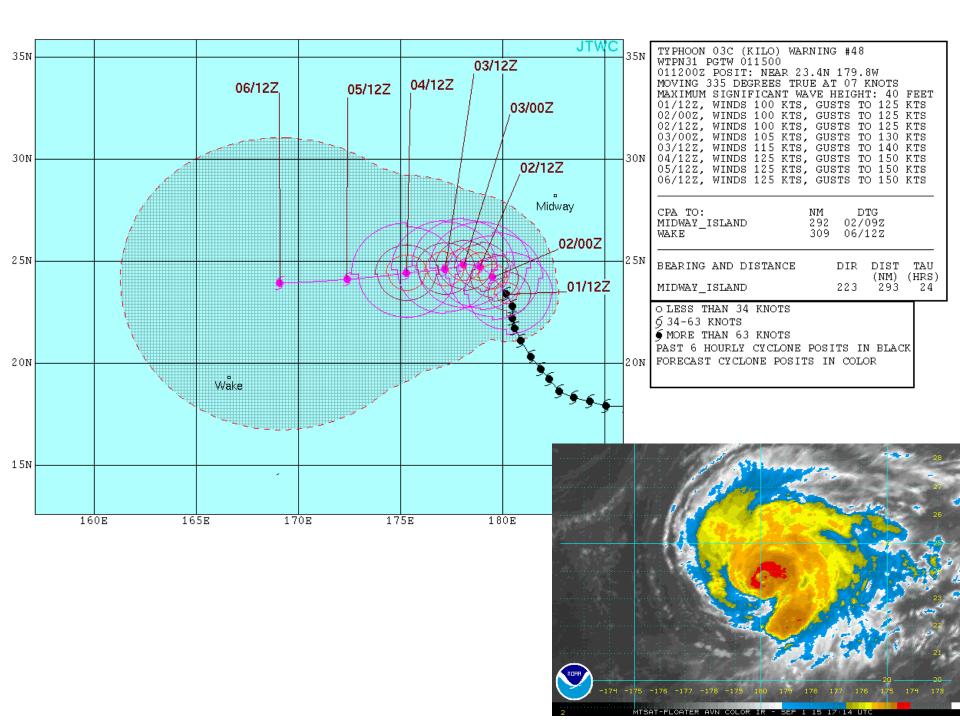




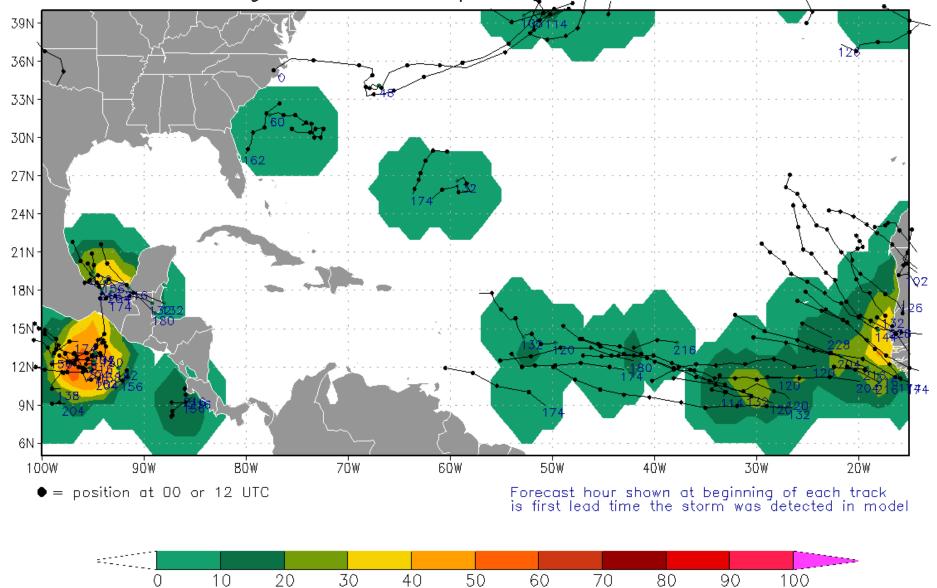




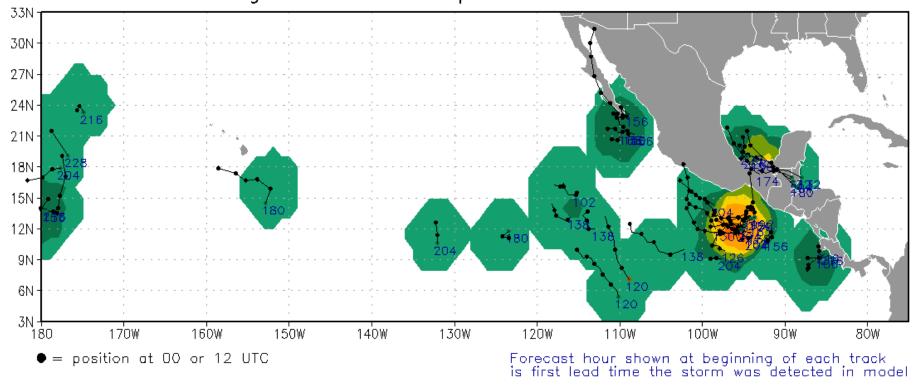




NCEP Ensemble—based Probability (%) of TC genesis for forecasts during the 120-240h period from initial time = 2015090100

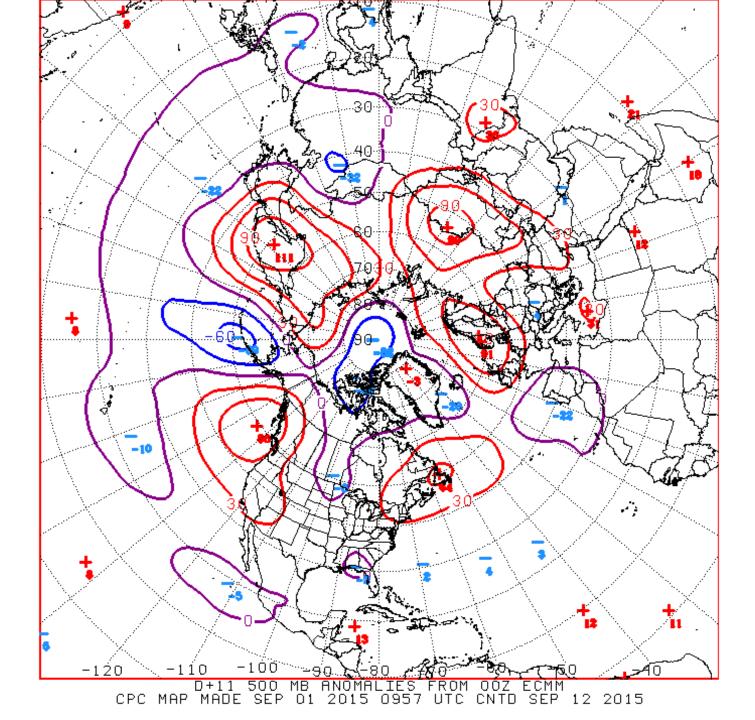


NCEP Ensemble—based Probability (%) of TC genesis for forecasts during the 120-240h period from initial time = 2015090100

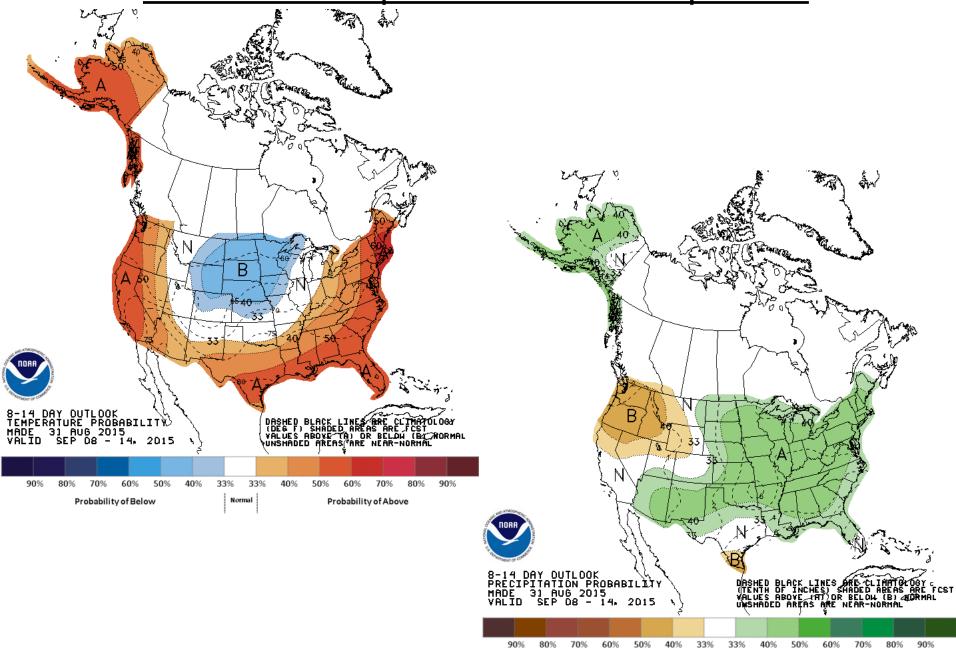




Connections to U.S. Impacts



Week 2 - Temperature and Precipitation



Probability of Below

Normal

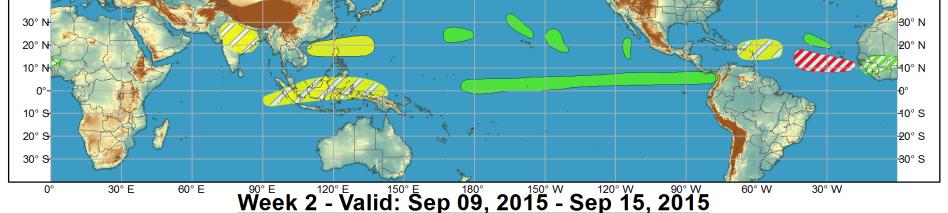
Probability of Above

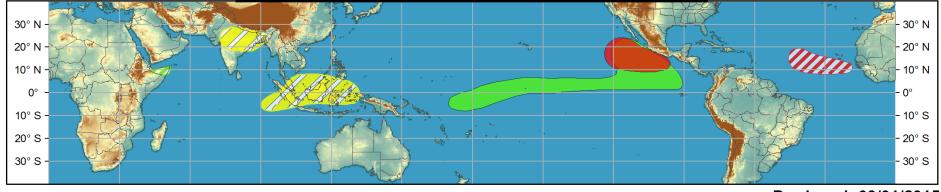


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