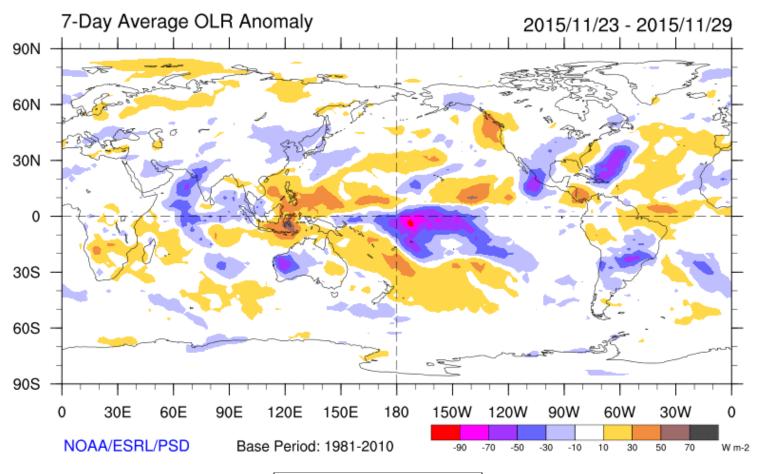
Global Tropics Hazards And Benefits Outlook <u>December 1, 2015</u>

Jon Gottschalck

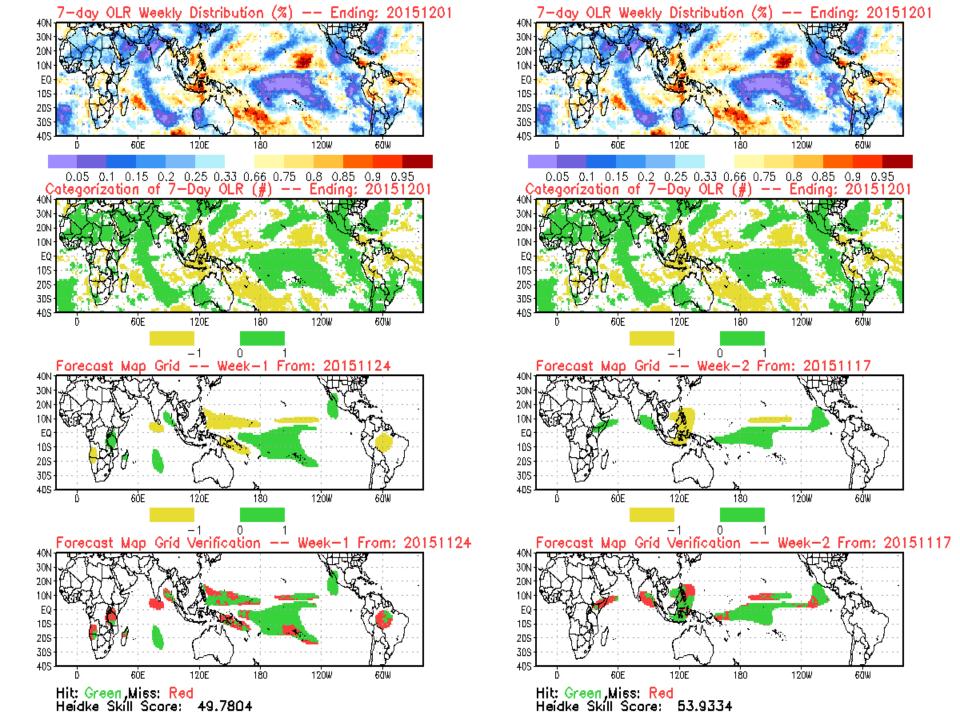
<u>Outline</u>

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

Weekly Tropical Convection Review

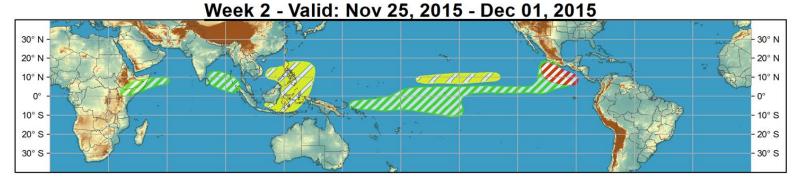


Cool shading
More clouds/rain
Warm shading
Less clouds/rain









Tropical Cyclone Review

Synopsis of Climate Modes

ENSO:

- Current: El Niño Advisory
- Outlook: There is an approximately 95% chance that El Niño will continue through Northern Hemisphere winter 2015-16, gradually weakening through spring 2016.

MJO and other subseasonal tropical variability:

- The MJO component of subseasonal remains weak or incoherent.
- In general, the MJO contribution to the pattern of anomalous tropical convection is expected to be minor.
- Equatorial Rossby wave activity continues to play a role in anomalous tropical convection

Extratropics:

- The extended range temperature and precipitation forecasts for the U.S. are not likely to be impacted by the MJO, but more likely consistent with ongoing El Nino conditions.
- NAO and AO forecast to be strongly positive next two weeks
- Late season WPAC TC recurvature?

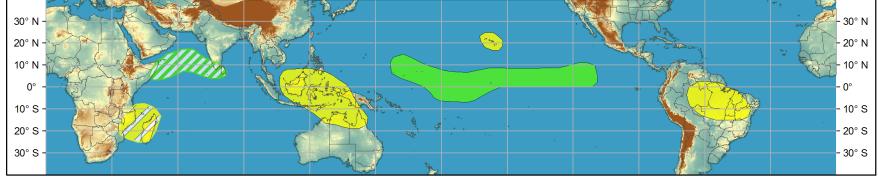
Global Tropics Hazards and Benefits Outlook - Climate Prediction Center







Week 2 - Valid: Dec 09, 2015 - Dec 150° W



Confidence High Moderate Produced: 12/01/2015

Forecaster: Gottschalck

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

Above-average rainfall Weekly total rainfall in the upper third of the historical range.

Below-average rainfall Weekly total rainfall in the lower third of the historical range.

Above-normal temperatures 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.



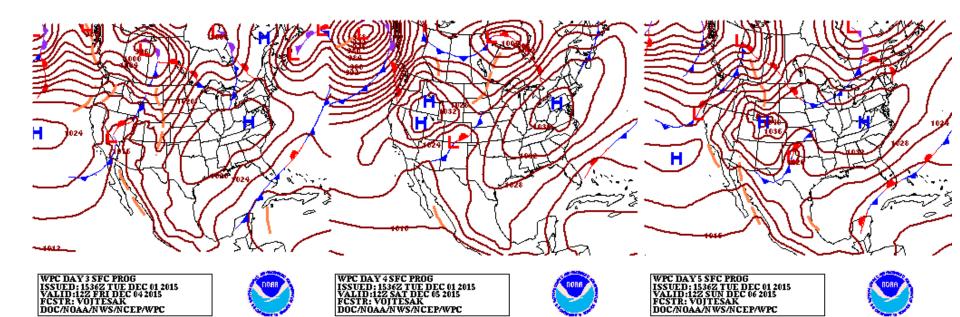


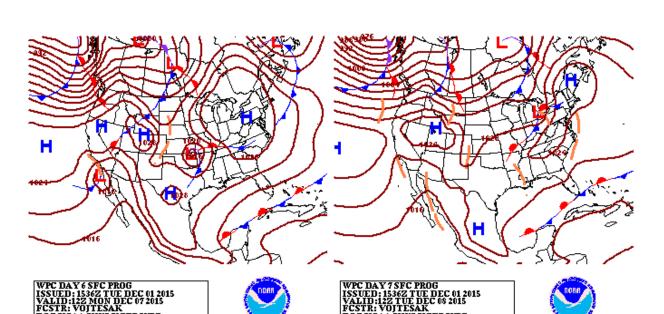






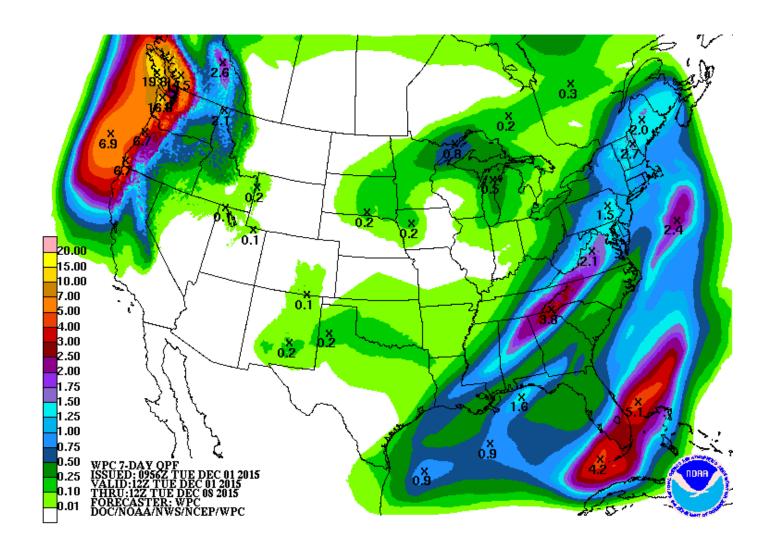






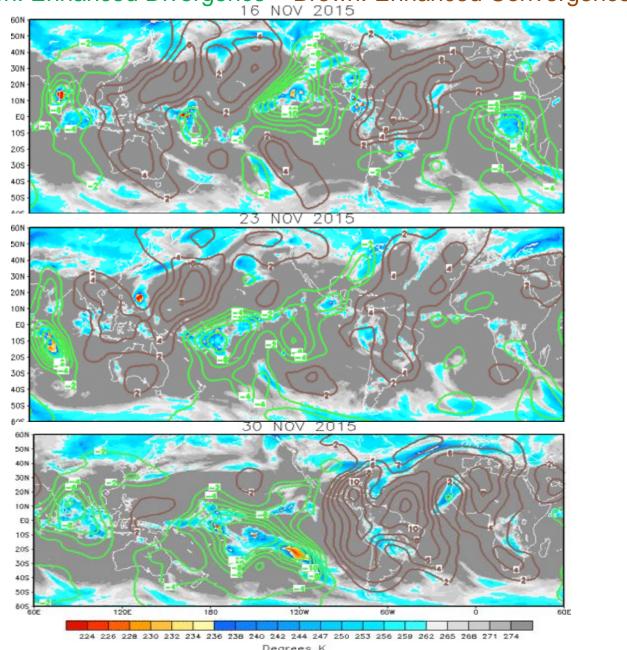
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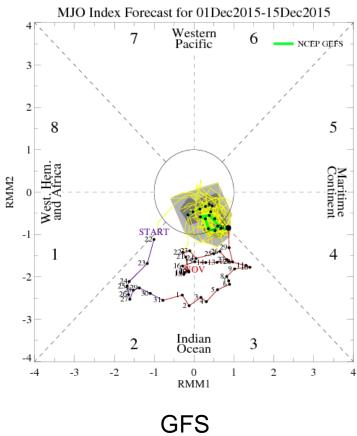


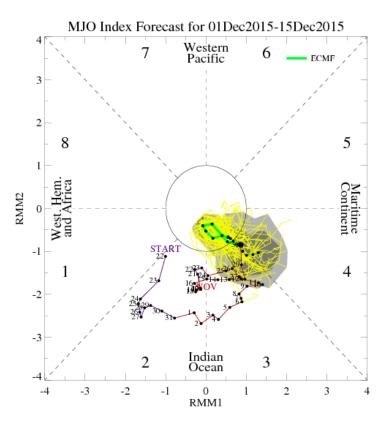
IR Satellite & 200-hpa Velocity Potential Anomalies

Green: Enhanced Divergence Brown: Enhanced Convergence

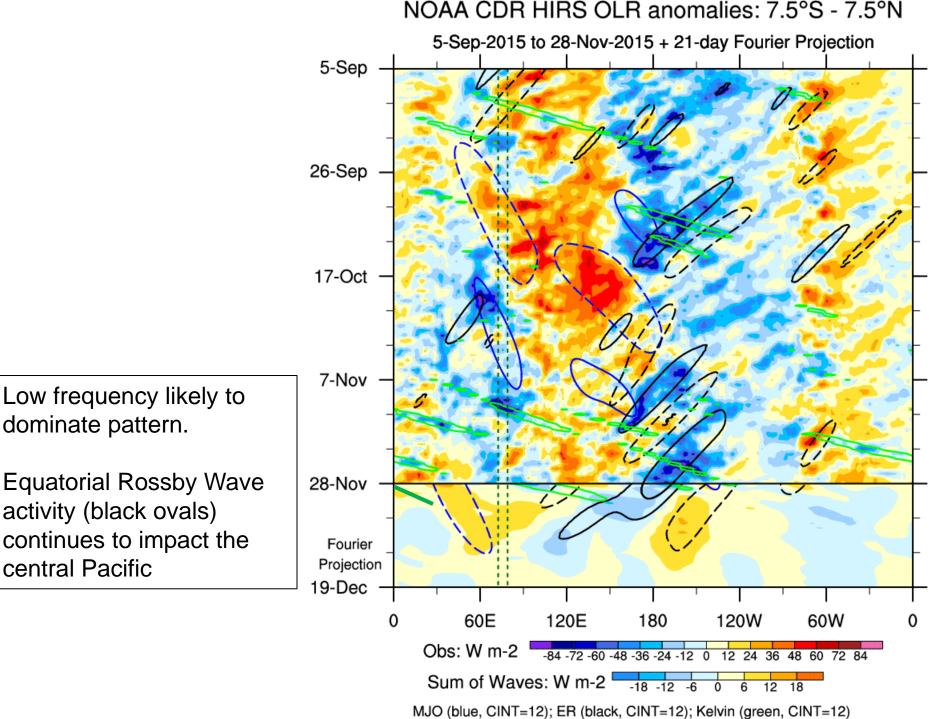


MJO Observation/Forecast





ECMWF



Low frequency likely to

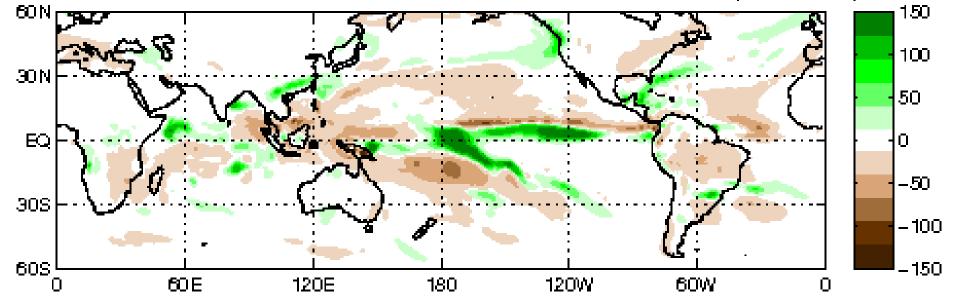
dominate pattern.

activity (black ovals)

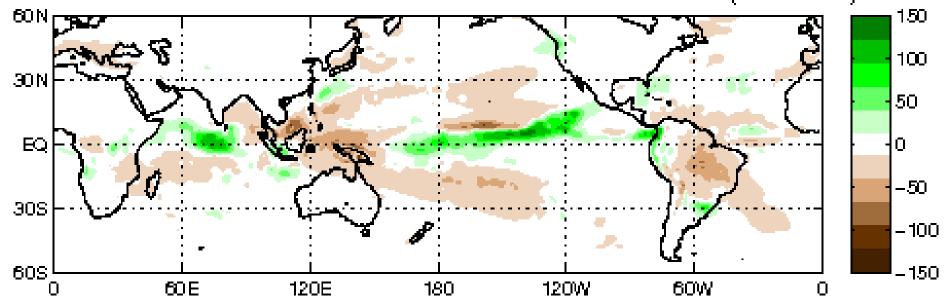
central Pacific

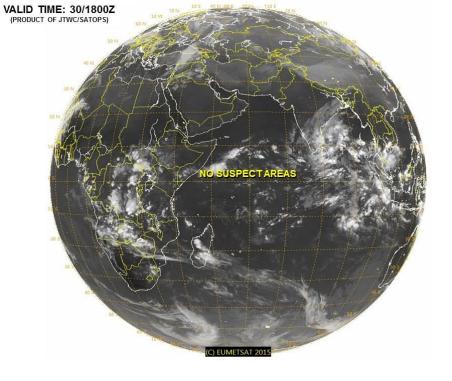
continues to impact the

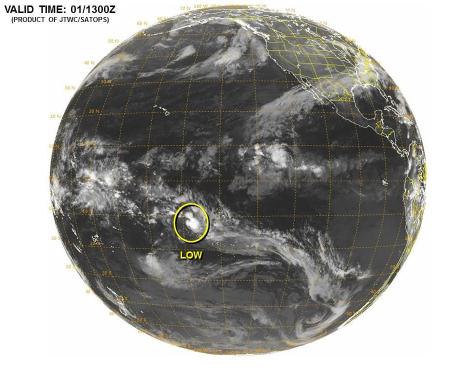
CFS: Anom. PREC Week: 1: 02-Dec-2015 to 08-Dec-2015 (mm/week)

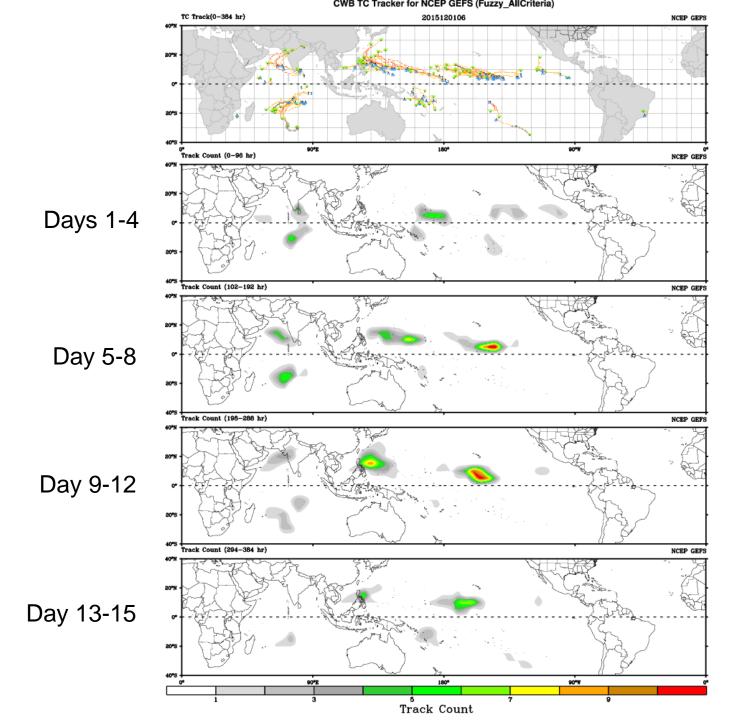


CFS: Anom. PREC Week: 2: 09-Dec-2015 to 15-Dec-2015 (mm/week)

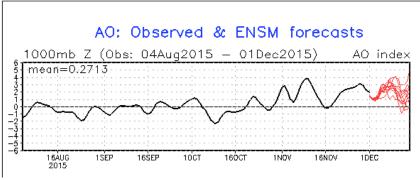


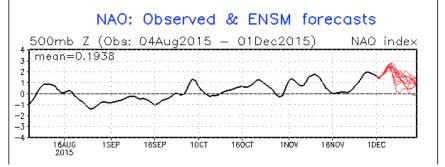


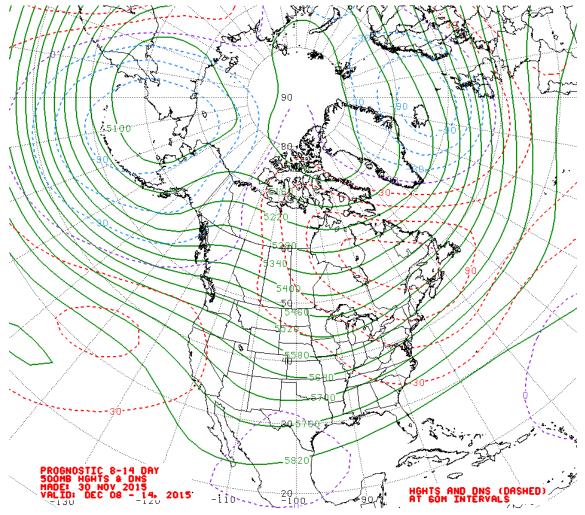




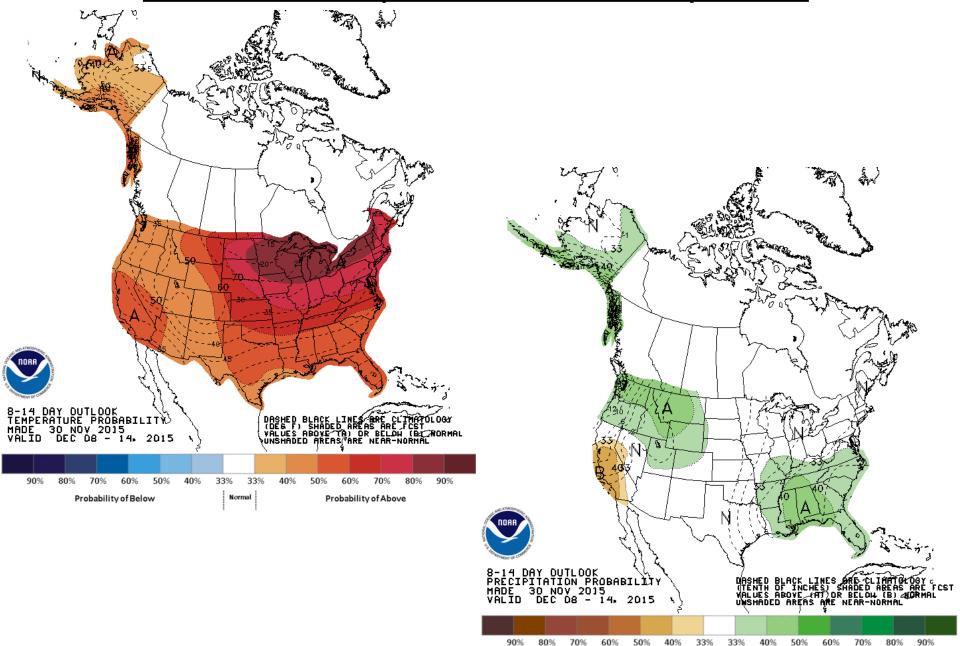
Connections to U.S. Impacts







Week 2 - Temperature and Precipitation



Probability of Below

Normal

Probability of Above

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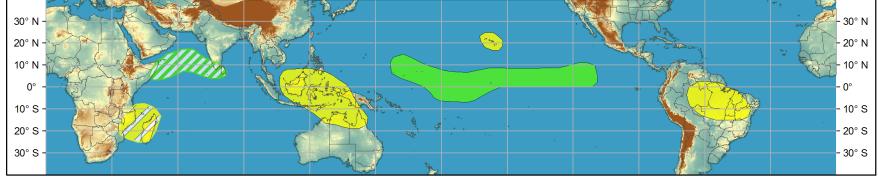
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