Global Tropics Hazards And Benefits Outlook

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Outline

1. Review of Recent Conditions
2. Synopsis of Climate Modes
3. GTH Outlook and Forecast Discussion
4. Connections to U.S. Impacts
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?
IR Satellite & 200-hpa Velocity Potential Anomalies

Green: Enhanced Divergence  Brown: Enhanced Convergence
MJO Observation/Forecast

GFS

ECMWF
Low frequency likely to dominate pattern.

Equatorial Rossby Wave activity (black ovals) continues to impact the central Pacific.
Days 1-4

Day 5-8

Day 9-12

Day 13-15
Connections to U.S. Impacts
Week 2 – Temperature and Precipitation