Global Tropics Hazards And Benefits Outlook

August 4, 2015

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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
Outlook Review

Cool shading
More clouds/rain

Warm shading
Less clouds/rain
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 is weak and not likely to impact tropical variability during the next 2 weeks.

- Most dynamical models depict a stationary signal or some westward movement, likely due to tropical cyclone activity.

**Extratropics:**
- The extended range temperature and precipitation forecasts for the U.S. are not likely to be impacted by the MJO, but could be influenced by El Niño over the next several weeks.
Global Tropics Hazards and Benefits Outlook - Climate Prediction Center

Week 1 - Valid: Aug 05, 2015 - Aug 11, 2015

Week 2 - Valid: Aug 12, 2015 - Aug 18, 2015

Produced: 08/04/2015
Forecaster: Baxter

Confidence
High  Moderate

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.
Base state and transient features evident.

Wave-1 structure broke down.

Some westward propagation observed, consistent with an equatorial Rossby wave.
Wheeler-Hendon based analyses of model forecasts indicate little coherent MJO activity.
Low frequency likely to dominate pattern more than MJO.

Some indications of Rossby wave near 160E.

MJO indicated by red lines.

Kelvin Wave.
Graphical Tropical Weather Outlooks

Five-Day Graphical Tropical Weather Outlook
National Hurricane Center Miami, Florida

Tropical Cyclone Formation Potential for the 5-Day Period Ending 2:00 pm EDT Sun Aug 9 2015
Chance of Cyclone Formation in 5 Days: ▲ Low < 40% ▼ Medium 40-60% ▻ High > 60%
X indicates current disturbance location; shading indicates potential formation area.

Tropical Cyclone Formation Potential for the 5-Day Period Ending 11:00 am PDT Sun Aug 9 2015
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Connections to U.S. Impacts
Week 2 – Temperature and Precipitation
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