Global Tropics Hazards And Benefits Outlook

April 28, 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 an approximately 70% chance that El Niño will continue through Northern Hemisphere summer 2015, and a greater than 60% chance it will last through autumn.

**MJO and other subseasonal tropical variability:**
- The MJO was weak during the past 7 days. The low-frequency background state is likely to dominate the pattern of tropical convection during the next 14 days, with some influence of Kelvin Waves as well.
- Most dynamical model MJO index forecasts depict weak MJO signal during the next 2 weeks.

**Extratropics:**
- The extended range forecast for the U.S. is not likely to be largely impacted directly by the MJO. Internal, mid-latitude variability it likely to drive much of the pattern of the CONUS through Day 14. One exception, however, could be the tendency toward wetter than normal conditions over the southern tier of the CONUS, which is consistent with the subtropical ENSO response.
Little coherent MJO activity during the past month.
Wheeler-Hendon based analyses of model forecasts indicate nothing consistent with MJO activity.

Some monthly models indicate little to no MJO activity for 30 days.
Low frequency is contributing, especially near Date Line.

KW and ENSO impacting.
Days 1-4

Day 5-8

Day 9-12

Day 13-15
Connections to U.S. Impacts
Week 2 – Temperature and Precipitation
Global Tropics Hazards and Benefits Outlook - Climate Prediction Center

Week 1 - Valid: Apr 29, 2015 - May 05, 2015

Week 2 - Valid: May 06, 2015 - May 12, 2015

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.

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Forecaster: Baxter

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.