Global Tropics Hazards And Benefits Outlook
Jun 14, 2016

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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

Week 1 - Valid: Jun 08, 2016 - Jun 14, 2016

Week 2 - Valid: Jun 08, 2016 - Jun 14, 2016

Cool shading
More clouds/rain

Warm shading
Less clouds/rain

7-Day Average OLR Anomaly
2016/06/06 - 2016/06/12
Synopsis of Climate Modes

**ENSO:**
• La Nina Watch in effect as of 14 April 2016

ENSO-neutral conditions are present and La Niña is favored to develop during the Northern Hemisphere summer 2016, with about a 75% chance of La Niña during the fall and winter 2016-17.

**MJO and other subseasonal tropical variability:**
• MJO in phase 2 over the Indian Ocean.

• Most dynamical model MJO index forecasts depict the MJO signal to continue from the Indian Ocean to the Maritime Continent. Disagreement increases during Week-2.

**Extratropics:**
• The extended range temperature and precipitation forecasts for the U.S. are not likely to be impacted by the MJO, but more likely to be impacted by indirectly by tropical cyclones.
Wave-2 pattern with 200-hPa divergence over Americas, Africa, and Indian Ocean.

Eastward propagation of pattern from prior week.

Upper-level divergence over Maritime Continent, E. Pacific, and W. Africa.
MJO Observation/Forecast

Wheeler-Hendon based analyses of model forecasts indicate a continued signal through Week-1, but diverge in Week-2.
El Niño appearance suppressed relative to earlier this year.

Complicated pattern with MJO and Kelvin waves as the major influences.
No new tropical cyclones are expected during the next five days.
Connections to U.S. Impacts
Global Tropics Hazards and Benefits Outlook - Climate Prediction Center

**Week 1 - Valid: Jun 15, 2016 - Jun 21, 2016**

**Week 2 - Valid: Jun 22, 2016 - Jun 28, 2016**

Produced: 06/14/2016
Forecaster: Rosencrans

**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.