Global Tropics Hazards And Benefits Outlook

August 13, 2013

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Outline

1. Review of Recent Conditions
2. Synopsis of Climate Modes
3. GTH Outlook and Forecast Discussion
Outlook Review

Cool shading
More clouds/rain

Warm shading
Less clouds/rain
Synopsis of Climate Modes

**ENSO:**
- ENSO-neutral conditions are favored to continue through late boreal autumn 2013.

**MJO and other subseasonal tropical variability:**
- The MJO has remained weak over the past seven to ten days.
- Model MJO index forecasts indicate a weak signal through Week-1, with some slight tendency toward Phase 8 later in Week-2.

**Tropics:**
- Elevated odds for TC development in the western North Pacific in Week-1, mainly north of 20N.
- Elevated odds for TC development in the East Pacific near 135W.
- Slight chance of TC development in the southern Gulf of Mexico during Week-1.
- Moderate risk for tropical cyclogenesis in Week-2 in both the East Pacific and Atlantic basins.
Global Tropics Hazards and Benefits Outlook - Climate Prediction Center


Preliminary

Confidence
- High
- Moderate

Tropical Cyclone Formation: Development of a tropical cyclone that eventually reaches tropical storm/cyclone 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.

Produced: 08/13/2013
Forecaster: Baxter

Product is updated once per week. The product targets broad scale conditions integrated over a 7-day period for US interests only. Consult your local responsible forecast agency.
IR Satellite & 200-hpa Velocity Potential Anomalies

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

GFS

MJO Index Forecast for 13Aug2013-27Aug2013

UKMET

MJO Index Forecast for 13Aug2013-27Aug2013

ECMWF

MJO Index Forecast for 13Aug2013-27Aug2013
CFSv2 Weeks 1 & 2 Precipitation
16 Member Ensemble Mean Forecast from 12Aug2013

Week 1 Anomalies (mm/day) 13Aug2013–19Aug2013

Week 2 Anomalies (mm/day) 20Aug2013–26Aug2013
Outlined areas denote current position of systems discussed in the Tropical Weather Outlook. Color indicates probability of tropical cyclone formation within 48 hours:

- **Yellow**: Low <30%
- **Orange**: Medium 30-50%
- **Red**: High >50%
CFSv2 Teleconnection Forecast

NAO CFSv2 Forecast

NAO CFSv2 Bias-Corrected Fcst
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