Global Tropics Hazards And Benefits Outlook
February 19, 2013
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Outline

1. Review of Recent Conditions
2. Synopsis of Climate Modes
3. GTH Outlook and Forecast Discussion
ENSO:
• ENSO-neutral conditions are favored to continue through Northern Hemisphere spring 2013

MJO and other subseasonal tropical variability:
• The MJO remained active with the enhanced convection becoming organized over the Maritime continent.
• Model MJO index forecasts show gradual eastward propagation with a decrease in amplitude over the next two weeks with the enhanced phase centered over the Maritime continent.

Extratropics:
• AO index forecast to remain negative over the next two weeks
• MJO extratropical impacts would favor higher heights across the eastern U.S. but will be fighting –AO, blocking
• Most robust signal would be for elevated chances of above normal temperatures in the east
• The MJO would favor above-median precipitation across the lower Midwest, Ohio and Tennessee Valleys in early March
Global Tropical Hazards/Benefits Outlook - Climate Prediction Center

Week 1 - Valid: Feb 21, 2013 - Feb 27, 2013


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: 02/19/2013
Forecaster: Gottschalck

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
Average Conditions when the MJO is present (Nov-Mar)
CFSv2 Weeks 1 & 2 Precipitation
16 Member Ensemble Mean Forecast from 17Feb2013

Week 1 Anomalies (mm/day) 18Feb2013–24Feb2013

Week 2 Anomalies (mm/day) 25Feb2013–3Mar2013
GFS Tropical Cyclone Guidance
Week 2 – Temperature and Precipitation