Global Tropics Hazards And Benefits Outlook  
September 4, 2012  

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Outline  

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

**ENSO:**
--ENSO-neutral conditions but chances increasing for El Nino. El Niño conditions are likely to develop during September 2012.

**MJO:**
--The MJO began to weaken during the past week.
--Most models indicate a weak, incoherent signal during the next 2 weeks.

**Extratropics:**
--Heavy rainfall (Isaac) across drought-stricken areas of AR, MO, IL, IN.
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

http://droughtmonitor.unl.edu/
Super Typhoon—4 BOLAVEN

20–28 AUG 2012

125 knots
Outlined areas denote current position of systems discussed in the Tropical Weather Outlook. Color indicates probability of tropical cyclone formation within 48 hours.

- **Low** < 30%
- **Medium** 30-50%
- **High** > 50%
Outlined areas denote current position of systems discussed in the Tropical Weather Outlook. Color indicates probability of tropical cyclone formation within 48 hours.

- Low <30%
- Medium 30-50%
- High >50%
Global Tropical Hazards/Benefits Outlook - Climate Prediction Center

Week 1 - Valid: Sep 06, 2012 - Sep 12, 2012

Week 2 - Valid: Sep 12-18

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: 09/04/2012
Forecaster: Pugh

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 Convection
Brown: Suppressed Convection
MJO Observation/Forecast
CFSv2 Weeks 1 & 2 Precipitation
16 Member Ensemble Mean Forecast from 03Sep2012

Week 1 Anomalies (mm/day)
4Sep2012–10Sep2012

Week 2 Anomalies (mm/day)
11Sep2012–17Sep2012
Tropical Cyclone Guidance

CWB TC Fuzzy Likelihood Map (2012090400)
Week 1 - Valid: Sep 5-11

Week 2 - Valid: Sep 12-18

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