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 boreal summer 2013.

**MJO and other subseasonal tropical variability:**
• The MJO became less coherent recently as the enhanced phase advanced east of the Maritime Continent.
• Model MJO index forecasts indicate a weak signal during week-1 with other modes of variability influencing anomalous convection.
• A renewed organization is expected during week-2 with the enhanced phase across the western Hemisphere and Africa.

**Tropics:**
• Elevated odds for TC development across the east Pacific during weeks 1 and 2.
• Potential for early season TC exists across nw Caribbean Sea during week-2.
Global Tropics Hazards and Benefits Outlook - Climate Prediction Center

Week 1 - Valid: May 29, 2013 - Jun 04, 2013

Week 2 - Valid: Jun 05, 2013 - Jun 11, 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: 05/27/2013
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

MJO Index Forecast for 27May2013-10Jun2013

GFS

UKMET

ECMWF
Average Conditions when the MJO is present (May-Sep)

Week 1 Anomalies (mm/day) 28May2013–3Jun2013

Week 2 Anomalies (mm/day) 4Jun2013–10Jun2013

Week-2
Average Conditions when the MJO is present (May - Sep)
AO: Observed & ENSM forecasts

1000mb Z (Obs: 28Jan2013 - 27May2013)  AO index
mean = 0.7887

1000mb Z (7day Forecast)  AO index
mean = -0.6556  cor(w/obs) = 0.9311

1000mb Z (10day Forecast)  AO index
mean = -0.5579  cor(w/obs) = 0.8119

1000mb Z (14day Forecast)  AO index
mean = -0.5631  cor(w/obs) = 0.5445