Global Tropics Hazards And Benefits Outlook
May 14, 2013

Brad Pugh

Outline

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

Week 1 - Valid: May 08, 2013 - May 14, 2013

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 was active during the past week with the enhanced phase over the Indian Ocean.
- Model MJO index forecasts indicate a weaker signal as the enhanced phase crosses the Maritime Continent during week-1.

**Tropics:**
- Elevated TC development (likely weak) across the east Pacific during week-1.
- Late week-2 and week-3: potential for an early season TC in southwest Caribbean Sea.
Global Tropics Hazards and Benefits Outlook - Climate Prediction Center

Week 1 - Valid: May 15, 2013 - May 21, 2013


Preliminary

Confidence

Tropical Cyclone Formation
- High: Development of a tropical cyclone that eventually reaches tropical storm/cyclone strength.
- Moderate: Development of a tropical depression.

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: 05/13/2013
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 Divergence  Brown: Enhanced Convergence
OLR Anomalies

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Ovals represent the targeting of organized tropical variability that can be used to aid predictions

Green ovals represent Atmospheric Kelvin Waves
Table 2. Progress of the average eastern Pacific season (1971-2009). Date upon which the following number of events would normally have occurred.

<table>
<thead>
<tr>
<th>Number</th>
<th>Named systems</th>
<th>Hurricanes</th>
<th>Category 3 or greater</th>
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<tr>
<td>1</td>
<td>June 10</td>
<td>June 26</td>
<td>July 19</td>
</tr>
<tr>
<td>2</td>
<td>June 25</td>
<td>July 14</td>
<td>Aug 19</td>
</tr>
<tr>
<td>3</td>
<td>July 5</td>
<td>July 29</td>
<td>Sep 20</td>
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<td>4</td>
<td>July 14</td>
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<td>Aug 26</td>
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<td>6</td>
<td>July 30</td>
<td>Sep 9</td>
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<td>Aug 7</td>
<td>Sep 24</td>
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<td>8</td>
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<td>14</td>
<td>Oct 11</td>
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<td>15</td>
<td>Nov 5</td>
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</table>
MJO Observation/Forecast

MJO Index Forecast for 14May2013-28May2013

GFS

ECMWF

CMC
Average Conditions when the MJO is present (May-Sep)
Global Tropics Hazards and Benefits Outlook - Climate Prediction Center

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