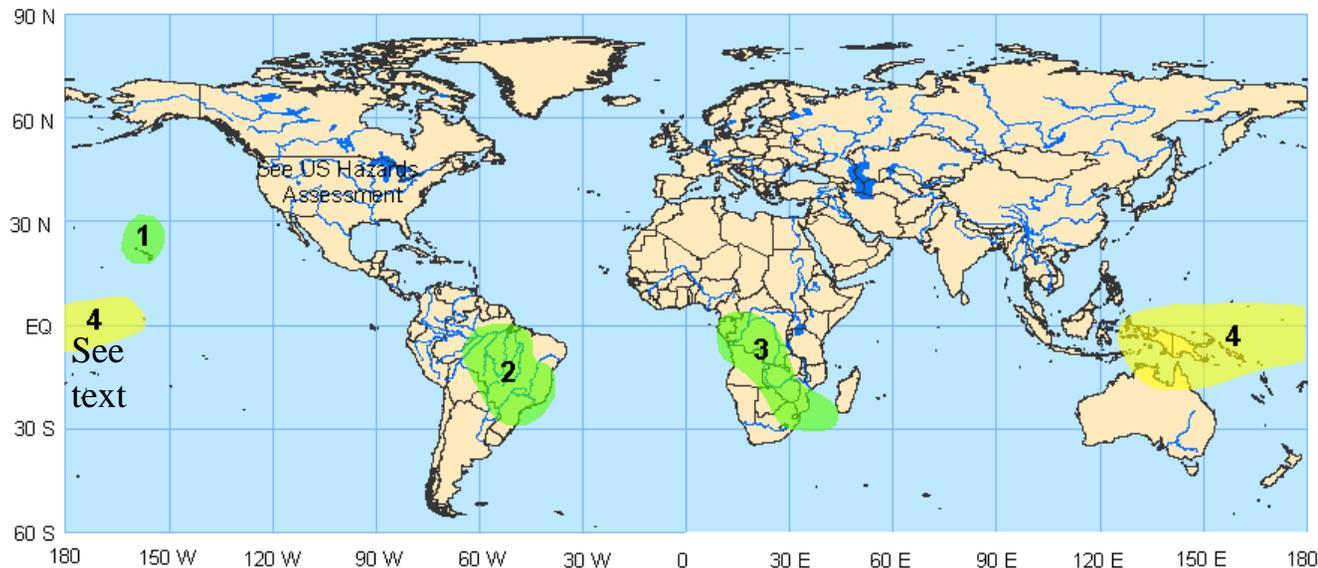


Experimental Global Tropics  
Hazards/Benefits Assessment

Update prepared by:  
Climate Prediction Center / NCEP  
December 3, 2007

**Week 1 Outlook – Valid: December 4 – 10, 2007**



**1. An increased chance for above-average rainfall for Hawaii and nearby waters mainly to the north.** An upper-level cutoff low is expected to become established to the west-northwest of the Hawaiian Islands and result in rather persistent surface low pressure and so the potential for enhanced rainfall in this region during the period. **Confidence: High**

**2. An increased chance for above-average rainfall for east-central Brazil.** Low-latitude frontal systems and a large-scale environment favorable for convection associated with the MJO is expected to continue to produce beneficial rains across this region during the period. **Confidence: High**

**3. An increased chance for above-average rainfall for sections of interior and southern Africa.** The enhanced phase of the MJO will produce a favorable environment for convection especially across interior Africa. Southern hemisphere frontal activity will likely increase the flow of moisture southeast towards southern Africa resulting in enhanced rainfall during the period. **Confidence: High**

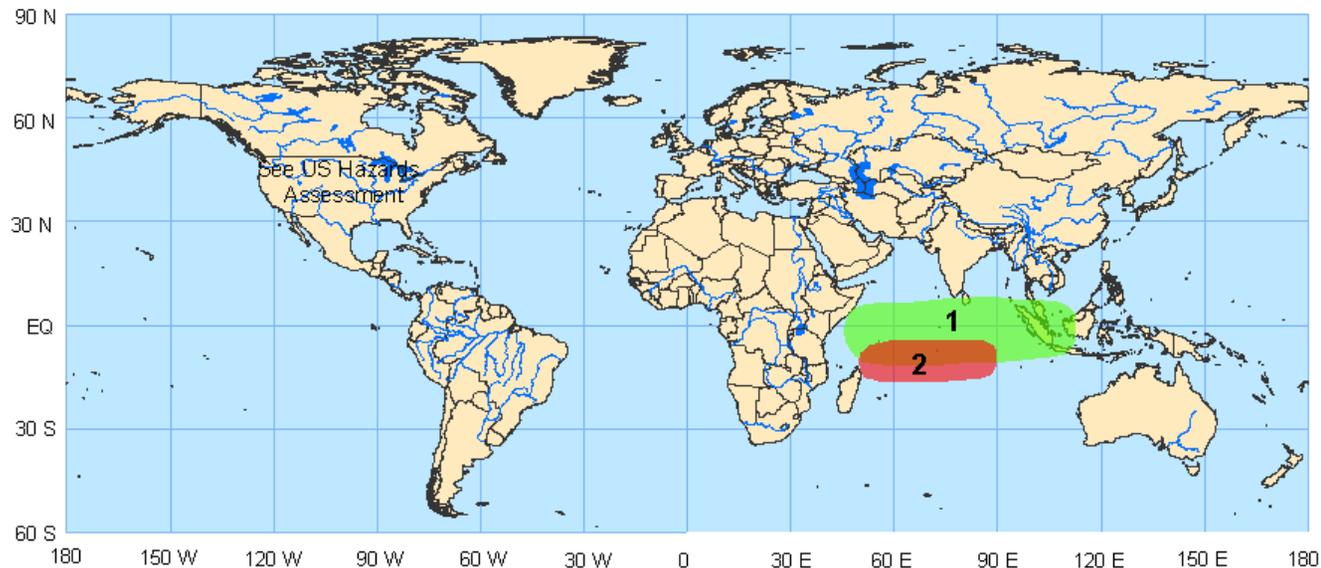
**4. An increased chance for below-average rainfall for the eastern Maritime continent, northern Australia, and the western Pacific Ocean.** The suppressed phase of the MJO and cool sea surface temperatures associated with La Nina is expected to result in drier-than-average conditions across this region. **Confidence: High**

**SEE TEXT ITEMS:**

**The current phase of the MJO typically results in a favorable environment for tropical cyclone activity across this region so there exists the potential for tropical cyclogenesis in this region. With the fast propagation of the current MJO event, however, it is likely that this hazard exists mainly very early in the period.**

Issued: 12/3

## Week 2 Outlook – Valid: December 11 – 17, 2007



**1. An increased chance for above-average rainfall for the equatorial Indian Ocean and western Maritime continent.** The enhanced phase of the MJO is expected to continue shifting eastward during the period and provide a favorable large-scale environment for convection in this region. **Confidence: High**

**2. Favorable conditions exist for tropical cyclogenesis across the western Indian Ocean.** The enhanced phase of the MJO is expected to result in active convection in this region and result in a greater likelihood for low-level westerly flow, upper-level divergence, and other factors favorable for tropical development. Sea surface temperatures are also warmer than average in this region. **Confidence: High**

**Please note:** Confidence estimates are subjective in nature and are not based on an objective scheme. The estimates are given to provide additional information to the user.