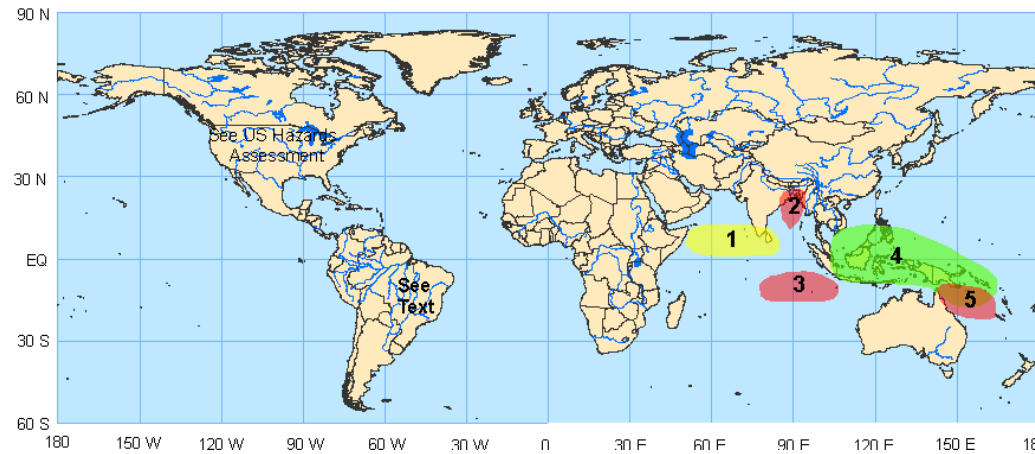


Experimental Global Tropics  
Hazards/Benefits Assessment

Update prepared by:  
Climate Prediction Center / NCEP  
November 12, 2007

## Week 1 Outlook – Valid: November 13 – 19, 2007



**1. An increased chance for below-average rainfall for sections of the western Indian Ocean north of the equator, southern India and Sri-Lanka.** Westerly wind anomalies in response to La Nina associated enhanced rainfall over Indonesia and tropical cyclone activity north and south of the equator is expected to reduce rainfall in this region. Numerical weather forecast guidance also suggests rather dry conditions in this area during the period. **Confidence: Moderate**

**2. Tropical cyclone Sidr** is expected to maintain its current intensity (category 4) before weakening somewhat prior to making landfall along the coasts of extreme eastern India, Bangladesh, and/or western Myanmar. The Bay of Bengal and these land areas should expect very heavy rains, extreme winds, and very high seas.

**3. Favorable conditions for tropical cyclogenesis across sections of the eastern Indian Ocean south of the equator.** La Nina associated convection is aiding the continuation of low-level westerly flow along and just south of the equator in the Indian Ocean. These conditions favor the development of areas of surface low pressure in this region and with low-moderate vertical wind shear and areas of warm SST's (western sections) the likelihood of tropical cyclogenesis is increased. Numerical weather forecast guidance also suggests the possibility of tropical development. **Confidence: High**

**4. An increased chance for above-average rainfall for a large region stretching from the central Maritime continent into the western Pacific Ocean.** Consistent with La Nina conditions, enhanced rainfall is expected across much of this region during the period. Numerical weather forecast guidance suggests a slight eastward shift during the period then observed during previous weeks. Recent satellite imagery continues to illustrate increasing and persistent active convection in this area. **Confidence: High**

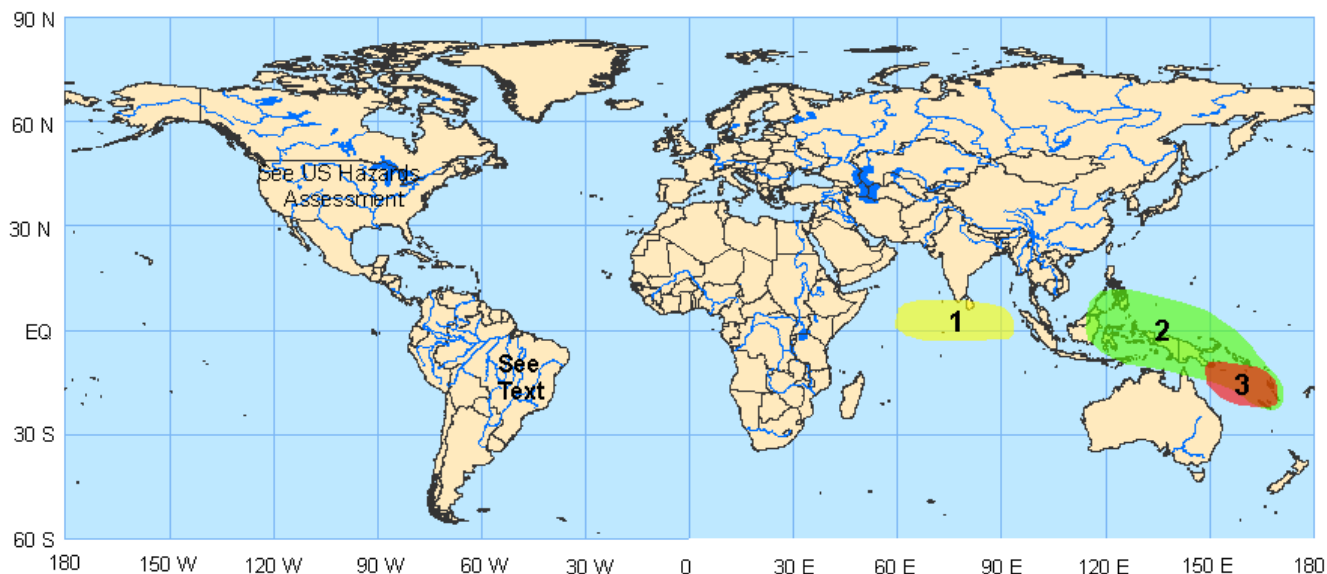
**5. Favorable conditions for tropical cyclogenesis across sections of the western Pacific Ocean northeast of Australia.** La Nina associated convection is aiding the continuation of low-level westerly flow along and just south of the equator across the Maritime continent and southwest Pacific Ocean. These conditions favor the development of areas of low pressure in this region and with above-average SST's the likelihood of tropical cyclogenesis is increased. **Confidence: High**

### SEE TEXT ITEMS:

The rainy season across sections of interior Brazil continues to be slow to start. Recently, rainfall has increased in western areas but very dry conditions continue across the Brazilian plateau where rainfall deficits in some areas are approaching 120 mm.

**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.

## **Week 2 Outlook – Valid: November 20 - 26, 2007**



### **1. An increased chance for below-average rainfall for sections of the central Indian Ocean mainly north of the equator and Sri-Lanka.**

Westerly wind anomalies in response to La Nina associated enhanced rainfall over Indonesia and tropical cyclone activity north and south of the equator is expected to reduce rainfall in this region. Numerical weather forecast guidance also suggests rather dry conditions in this area during the period. **Confidence: Moderate**

### **2. An increased chance for above-average rainfall for a large region stretching from the central Maritime continent into the western Pacific Ocean.**

Consistent with La Nina conditions, enhanced rainfall is expected across much of this region during the period. Numerical weather forecast guidance suggests a continued minor eastward shift during the period then observed during previous weeks. Recent satellite imagery continues to illustrate increasing and persistent active convection in this area. **Confidence: High**

### **3. Favorable conditions for tropical cyclogenesis across sections of the western Pacific Ocean northeast of Australia.**

La Nina associated convection is aiding the continuation of low-level westerly flow along and just south of the equator across the Maritime continent and southwest Pacific Ocean. These conditions favor the development of areas of low pressure in this region and with above-average SST's the likelihood of tropical cyclogenesis is increased.

**Confidence: Moderate**

### **SEE TEXT ITEMS:**

The rainy season across sections of interior Brazil continues to be slow to start. Recently, rainfall has increased in western areas but very dry conditions continue across the Brazilian plateau where rainfall deficits in some areas are approaching 120 mm.

**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.