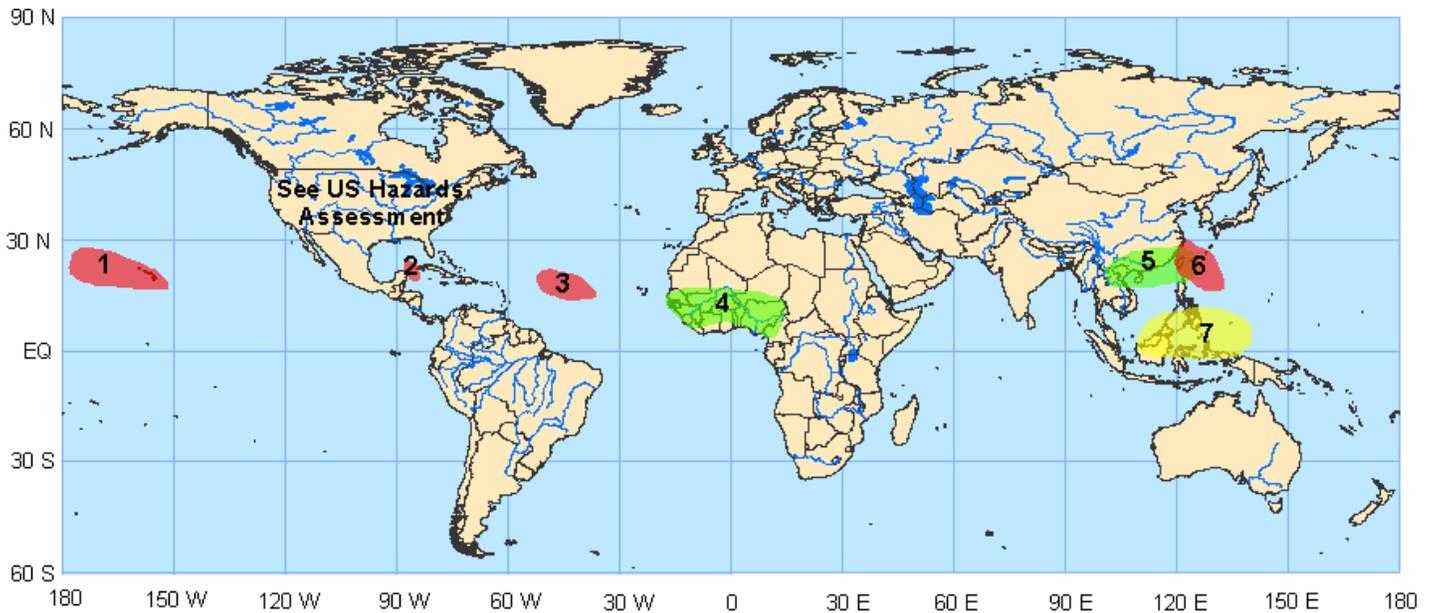


Experimental Global Tropics  
Hazards/Benefits Assessment

Update prepared by:  
Climate Prediction Center / NCEP  
August 13, 2007

## Week 1 Outlook – Valid: August 14-August 20, 2007



**1. Hurricane Flossie deep in the tropical Pacific to affect Hawaii.** Hurricane Flossie, which formed and developed over the past several days may result in heavy rains over the Hawaii Islands.

**Confidence: High**

**2. The potential for tropical cyclone development across the Gulf of Mexico.** A broad low pressure area that has formed in the southeast Gulf of Mexico is expected to develop over the next few days. With above average SST in this region, the prospects for tropical cyclogenesis are increased.

**Confidence: Moderate**

**3 The potential for tropical cyclone development across the deep tropical Atlantic Ocean.** Several robust African easterly waves are expected to exit Africa and transverse the Atlantic Ocean during the period and with areas of weak vertical wind shear and above average SSTs in this region, the prospects of tropical cyclogenesis are increased. Also, several weather forecast models are in agreement for tropical development during the period.

**Confidence: High**

**4. An increased chance for above-average rainfall across the Sahel and the Gulf of Guinea region.** Deep African wave disturbances associated with an active West African monsoon system are expected to induce enhanced precipitation across this region.

**Confidence: Moderate**

**5. An increased chance for above-average rainfall across southeast China.** An enhanced Asian monsoon system and with Tropical Cyclone Sepat approaching the region, the potential for above average rains to fall in this region is high.

**Confidence: Moderate**

**6. Tropical Cyclone Sepat to affect southeastern China.** Tropical Cyclone Sepat, which formed and developed over the past several days is currently approaching Taiwan and may result in damaging winds and heavy rains in this region

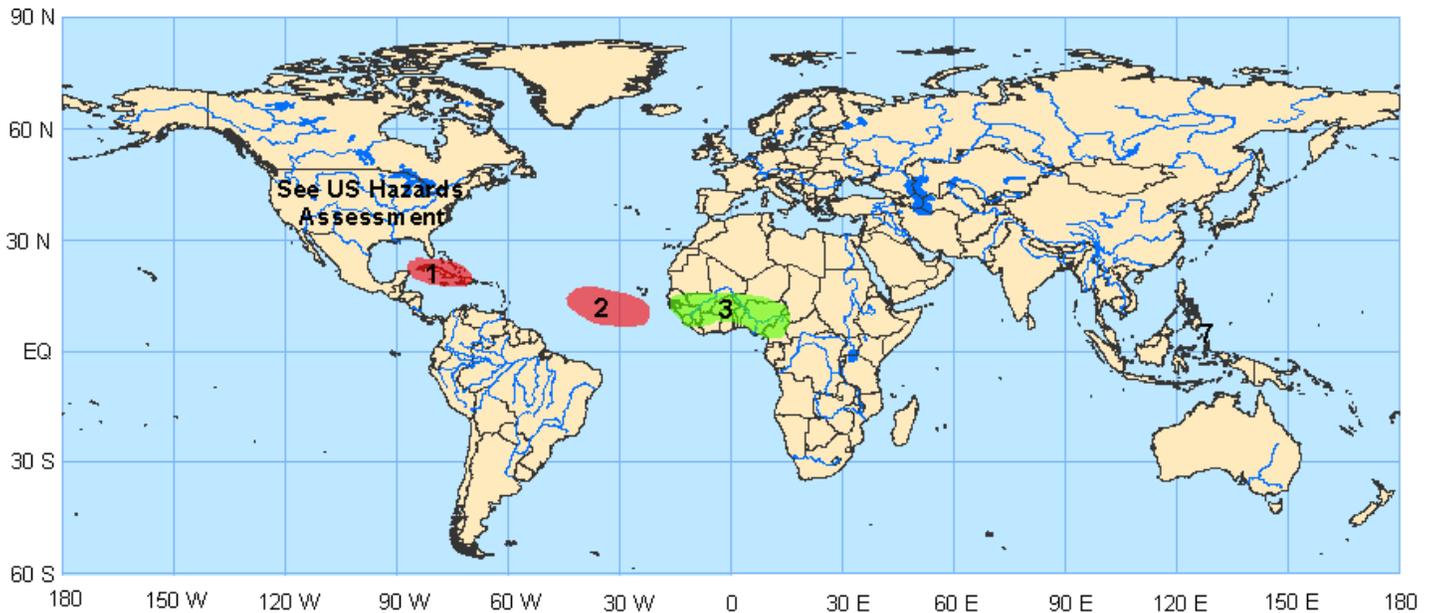
**Confidence: High**

**7. An increased chance for below-average rainfall across parts of Malaysia, the Philippines, and the western Pacific Ocean.** Strong persistent regional-scale subsidence is expected to continue across this region and increase the chances of suppressed rainfall in this area.

**Confidence: Moderate**

**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: August 21-27, 2007



**1. The potential for tropical cyclone development across the Gulf of Mexico.** The favorable conditions for tropical cyclone development are expected to continue during week 2. Above average SST in the Gulf of Mexico and in the Caribbean, and low vertical wind shear, may result in tropical cyclogenesis in this region.

**Confidence: Moderate**

**2. The potential for tropical cyclone development across the deep tropical Atlantic Ocean.** The favorable conditions for tropical cyclone development are expected to continue during week 2. It is anticipated that a northward displaced and enhanced African Easterly Jet will continue to aid in the development of robust African easterly waves and with areas of above average SSTs and weak vertical wind shear the chances of tropical development are increased

**Confidence: Moderate**

**3. An increased chance for above-average rainfall across the Sahel and the Gulf of Guinea region.** The West African monsoon system is expected to continue to be active through week 2 and conditions are expected to be favorable for African wave disturbances to develop and result in enhanced rainfall in this region.

**Confidence: Moderate**

**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.