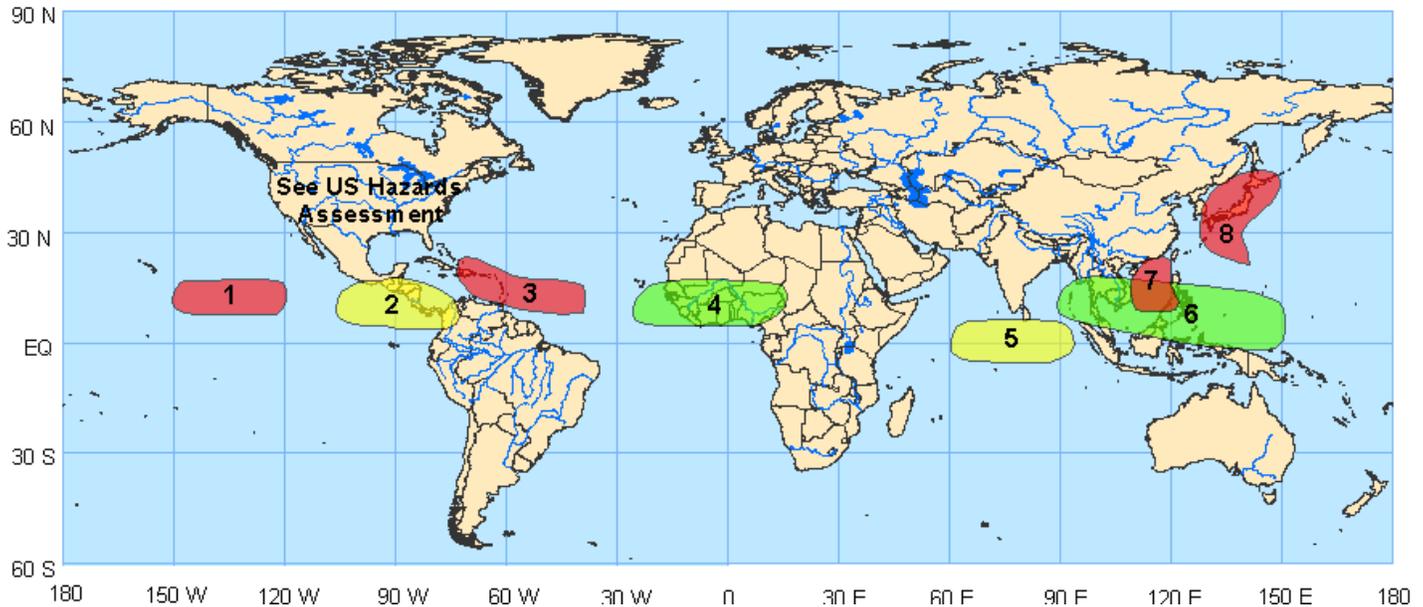


Experimental Global Tropics
Hazards/Benefits Assessment

Update prepared by:
Climate Prediction Center / NCEP
July 30, 2007

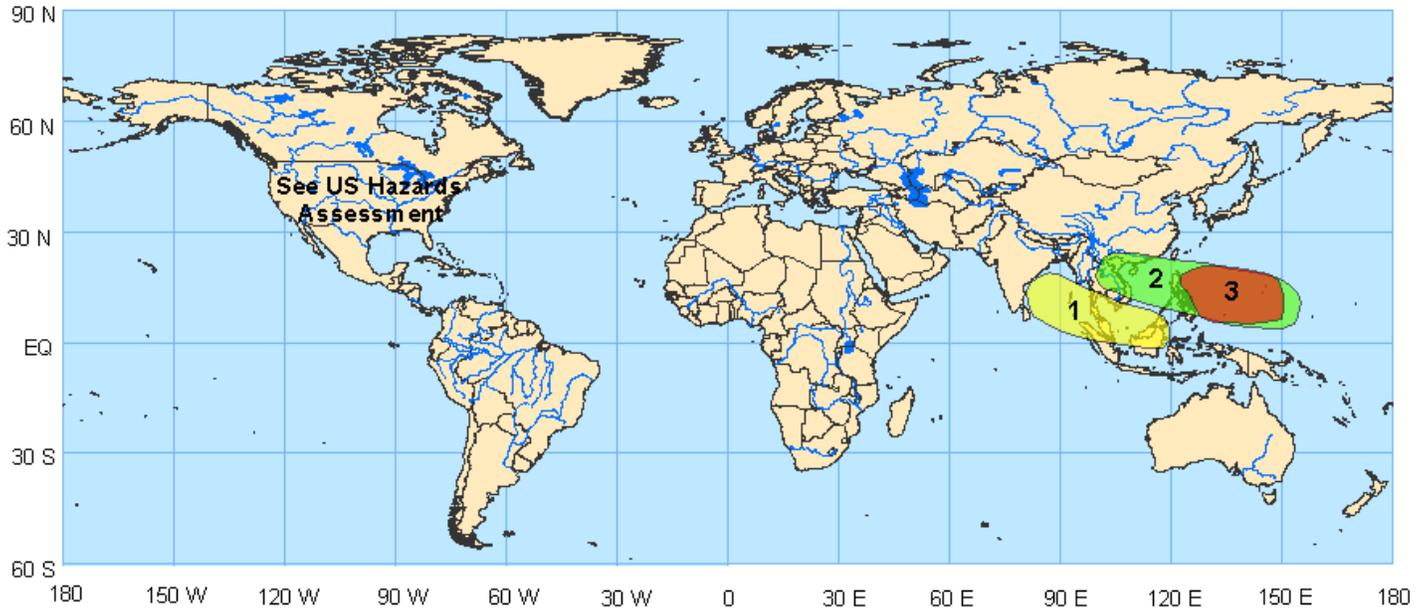
Week 1 Outlook – Valid: July 31-August 6, 2007



- 1. The potential for tropical cyclone development across the east-central Pacific Ocean.** A few disturbances will move through this region during the upcoming week and with the vertical wind shear expected to be low in some areas the prospects for cyclogenesis are increased. Also, weather forecast models indicate tropical cyclone development in this region. **Confidence: Moderate**
- 2. An increased chance for below-average rainfall across sections of the eastern Pacific Ocean and Central America.** Large-scale subsidence associated with the suppressed phase of the MJO is expected to continue to suppress rainfall in this area. **Confidence: High**
- 3. The potential for tropical cyclone development across the western Atlantic Ocean.** A few robust African easterly waves will move through this region during the upcoming week and with expected areas of low vertical wind shear and continued above-average SSTs the prospects of tropical cyclogenesis are increased. **Confidence: Moderate**
- 4. An increased chance for above-average rainfall for western Africa.** More frequent and vigorous African easterly waves and a strengthened west African monsoon system is expected to result in enhanced rainfall in this area. **Confidence: High**
- 5. An increased chance for below-average rainfall across the equatorial Indian Ocean.** Large-scale subsidence associated with the suppressed phase of the MJO is expected to increase the chances of suppressed rainfall in this area. **Confidence: Moderate**
- 6. An increased chance for above-average rainfall stretching from the Bay of Bengal to the western Pacific Ocean.** Large-scale subsidence associated with the enhanced phase of the MJO is expected to increase the likelihood of above-average rainfall in this region. **Confidence: High**
- 7. The potential for tropical cyclone development across the South China Sea.** Active convection is expected in this area and with anticipated weak vertical wind shear and above average SSTs the prospects for tropical cyclogenesis are increased. Also, weather forecast models indicate tropical cyclone development in this region. **Confidence: High**
- 8. Typhoon Usagi is expected to strengthen and impact southern Japan and the waters to the south with very strong winds, heavy rains, and high seas.**

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 7-13, 2007



- 1. An increased chance for below-average rainfall across the Bay of Bengal and western Maritime continent.** Large-scale subsidence associated with the suppressed phase of the MJO is expected to increase the chances for suppressed rainfall in this area. **Confidence: Moderate**
- 2. An increased chance for above-average rainfall stretching from Southeast Asia to the western Pacific Ocean.** Large-scale subsidence associated with the enhanced phase of the MJO is expected to increase the likelihood of above-average rainfall in this region. **Confidence: Moderate**
- 3. The potential for tropical cyclone development across the far western Pacific Ocean.** Active convection is expected in this area and with anticipated weak vertical wind shear and above average SSTs the prospects for tropical cyclogenesis are increased. **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.