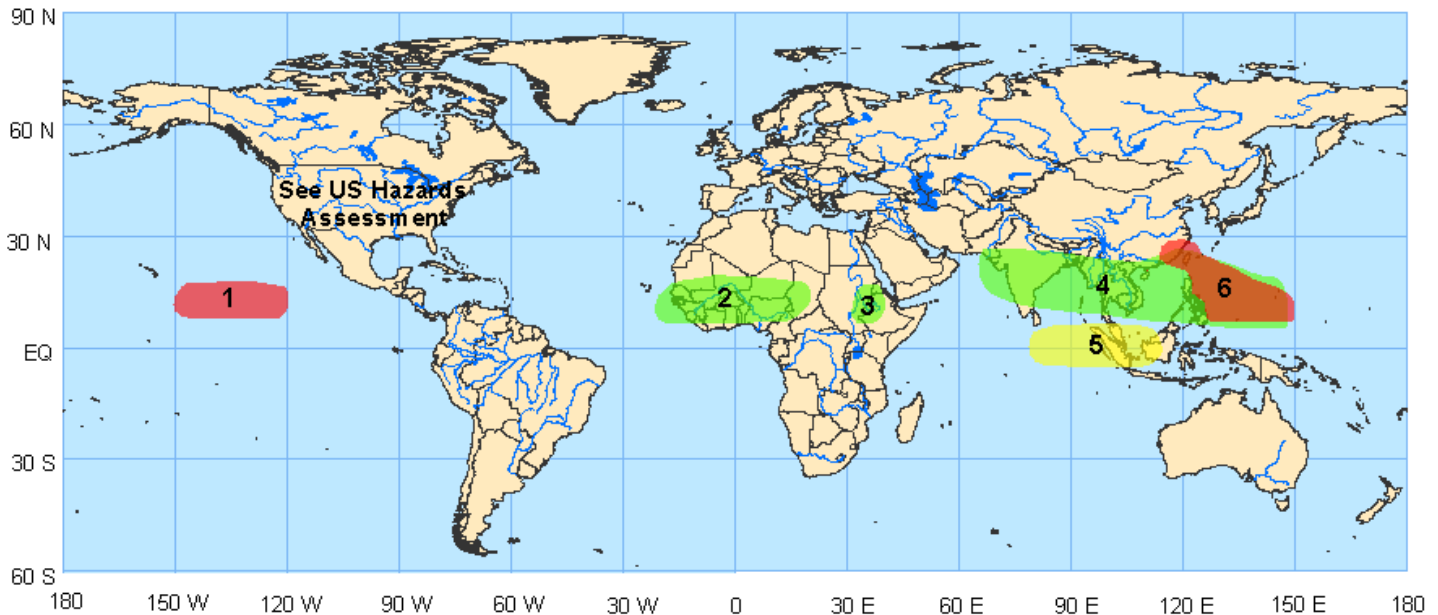


Experimental Global Tropics
Hazards/Benefits Assessment

Update prepared by:
Climate Prediction Center / NCEP
August 6, 2007

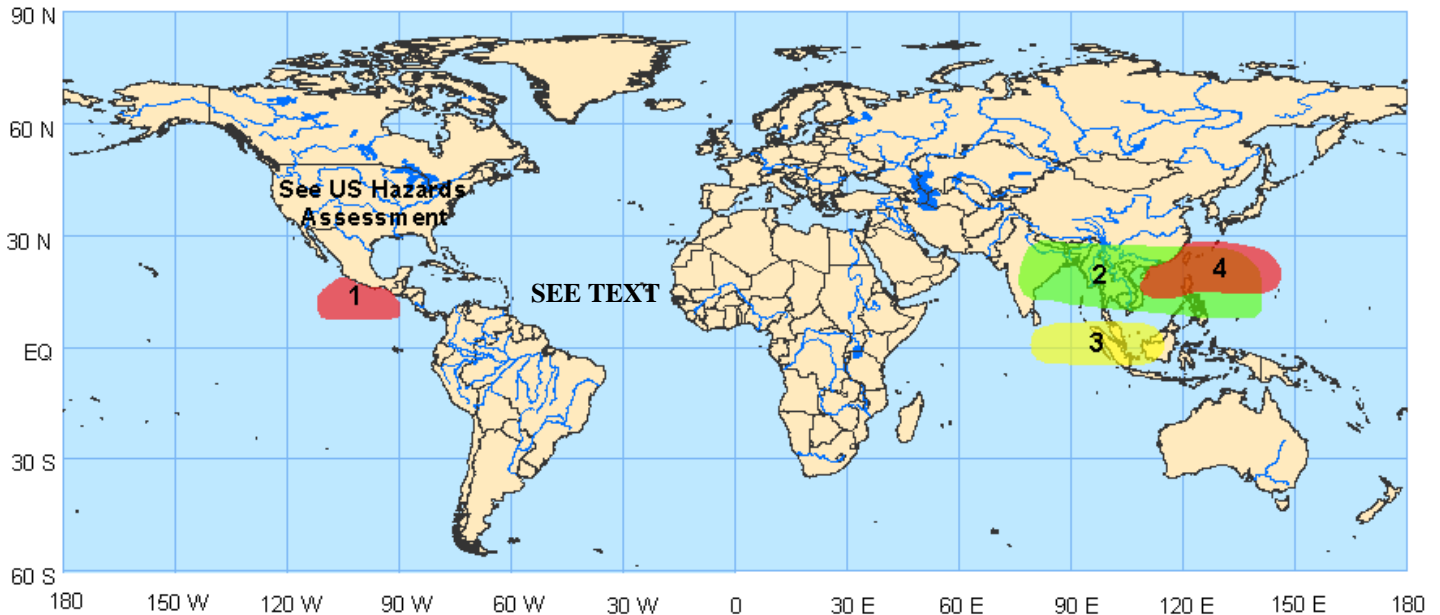
Week 1 Outlook – Valid: August 7-August 13, 2007



- 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 areas of weak vertical wind shear the prospects for tropical cyclogenesis are increased.
Confidence: High
- 2. 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: Moderate
- 3. An increased chance for above-average rainfall for eastern Sudan and western Ethiopia.** Rainfall in this region is expected to be enhanced during the period as a result of a continued northward displaced ITCZ across eastern Africa.
Confidence: Moderate
- 4. An increased chance for above-average rainfall stretching from the Arabian Sea to the western Pacific Ocean.** Large-scale ascending motion consistent with La Niña conditions, potential monsoon depressions, and enhanced SSTs is expected to increase the likelihood of above-average rainfall in this region.
Confidence: High
- 5. An increased chance for below-average rainfall across the eastern equatorial Indian Ocean.** Regional-scale subsidence is expected to continue and increase the chances of suppressed rainfall in this area.
Confidence: High
- 6. The potential for tropical cyclone development east of the Philippines.** Active convection is expected in this area and with areas of anticipated weak vertical wind shear and above average SSTs the prospects for tropical cyclogenesis are increased. **Tropical storm Pubak is expected to strengthen to typhoon status** and likely will impact Taiwan and southern China (and neighboring waters) with strong winds, heavy rains, and high seas.
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.

Week 2 Outlook – Valid: August 14-20, 2007



1. The potential for tropical cyclone development south of Mexico in the eastern Pacific Ocean. There are some indications for an enhanced and northward displaced east Pacific Ocean ITCZ during the period. Typically, this can lead to more favorable conditions for tropical cyclogenesis.

Confidence: Moderate

2. An increased chance for above-average rainfall stretching from India to the far western Pacific Ocean. Large-scale ascending motion consistent with La Niña conditions, potential monsoon depressions, and enhanced SSTs is expected to increase the likelihood of above-average rainfall in this region.

Confidence: High

3. An increased chance for below-average rainfall across the eastern equatorial Indian Ocean and western Maritime continent. Regional-scale subsidence is expected to continue and increase the chances of suppressed rainfall in this area.

Confidence: Moderate

4. The potential for tropical cyclone development northeast of the Philippines and in the South China Sea. Active convection is expected in this area and with areas of anticipated weak vertical wind shear and above average SSTs the prospects for tropical cyclogenesis are increased.

Confidence: Moderate

OTHER POTENTIAL THREATS:

As week 2 progresses, there are some indications that changes in the large-scale circulation may make conditions more favorable for tropical cyclogenesis across the eastern Atlantic basin. At the current time, however, the probability appears to be low.

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