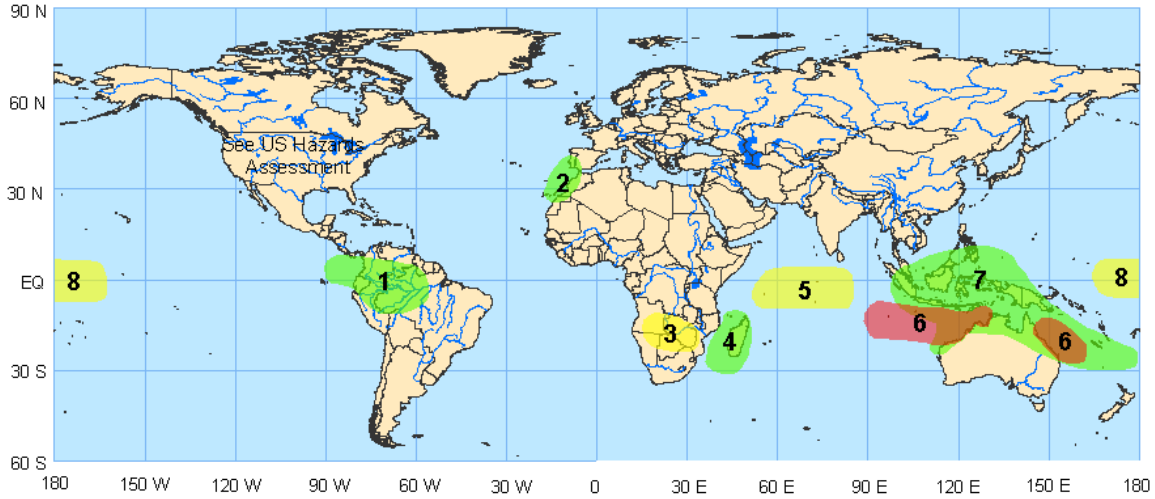
Experimental Global Tropics Hazards/Benefits Assessment

Update prepared by:
Climate Prediction Center / NCEP
February 19, 2008

Issued: 2/19

Week 1 Outlook – Valid: February 19 - 25, 2008



1. An increased chance for above-average rainfall for northwest South America. The enhanced phase of the MJO and La Nina are expected to result in wet conditions in this region. **Confidence: Moderate**

2. An increased chance for above-average rainfall for parts of Morocco and the Iberian Peninsula. A slow-moving low pressure system to the west of Africa will draw tropical moisture northwards into this region and is expected to result in enhanced rainfall early during the period. **Confidence: Moderate**

3. An increased chance for below-average rainfall for continental South Africa. The exiting suppressed phase of the MJO and persistent high pressure are expected to suppress rainfall across this region. Numerical weather forecast guidance further supports suppressed rainfall in this region. **Confidence: Moderate**

4. An increased chance for above-average rainfall for Madagascar and surrounding waters. Tropical cyclone Ivan will impact these areas with very heavy rainfall, damaging winds, and high seas. **Confidence: High**

5. An increased chance for below-average rainfall for the equatorial Indian Ocean. The suppressed phase of the MJO is expected to suppress rainfall across this region. **Confidence: Moderate**

6. Favorable conditions exist for tropical cyclogenesis across the eastern Indian Ocean and waters near Australia. La Nina associated convection increases the chance for low-level westerly flow, upper-level divergence, and other factors favorable for tropical development. **Confidence: Moderate**

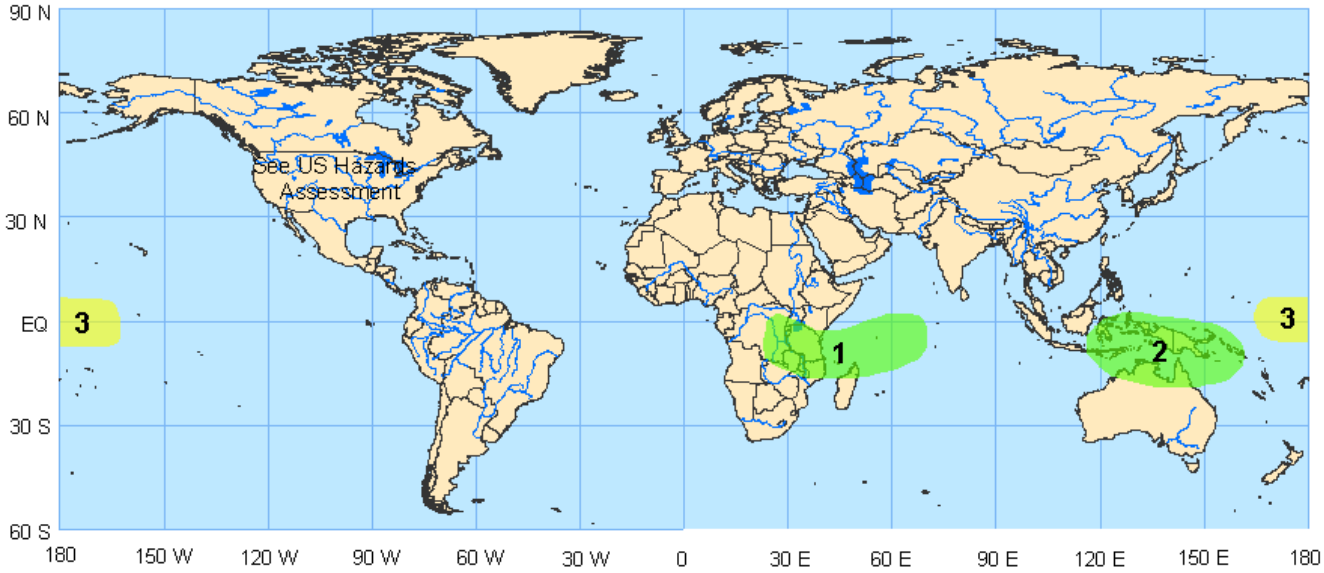
7. An increased chance for above-average rainfall for the Maritime continent, northern Australia, and parts of the western Pacific Ocean. The continuation of La Nina conditions is expected to result in enhanced rainfall during the period. **Confidence: High**

8. An increased chance for below-average rainfall for the equatorial Pacific Ocean near the Date Line. Conditions consistent with La Nina (suppressed convection) are expected to result in dry conditions 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.

Issued: 2/19

Week 2 Outlook – Valid: February 26 – March 3, 2008



1. An increased chance for above-average rainfall for areas of central Africa and the western Indian Ocean. The enhanced phase of the MJO is expected to result to result in enhanced rainfall during the period. **Confidence: Moderate**

2. An increased chance for above-average rainfall for sections of the Maritime continent and northern Australia. The continuation of La Nina conditions is expected to result in enhanced rainfall during the period. **Confidence: Moderate**

3. An increased chance for below-average rainfall for the equatorial Pacific Ocean near the Date Line. Conditions consistent with La Nina (suppressed convection) are expected to result in dry conditions 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.