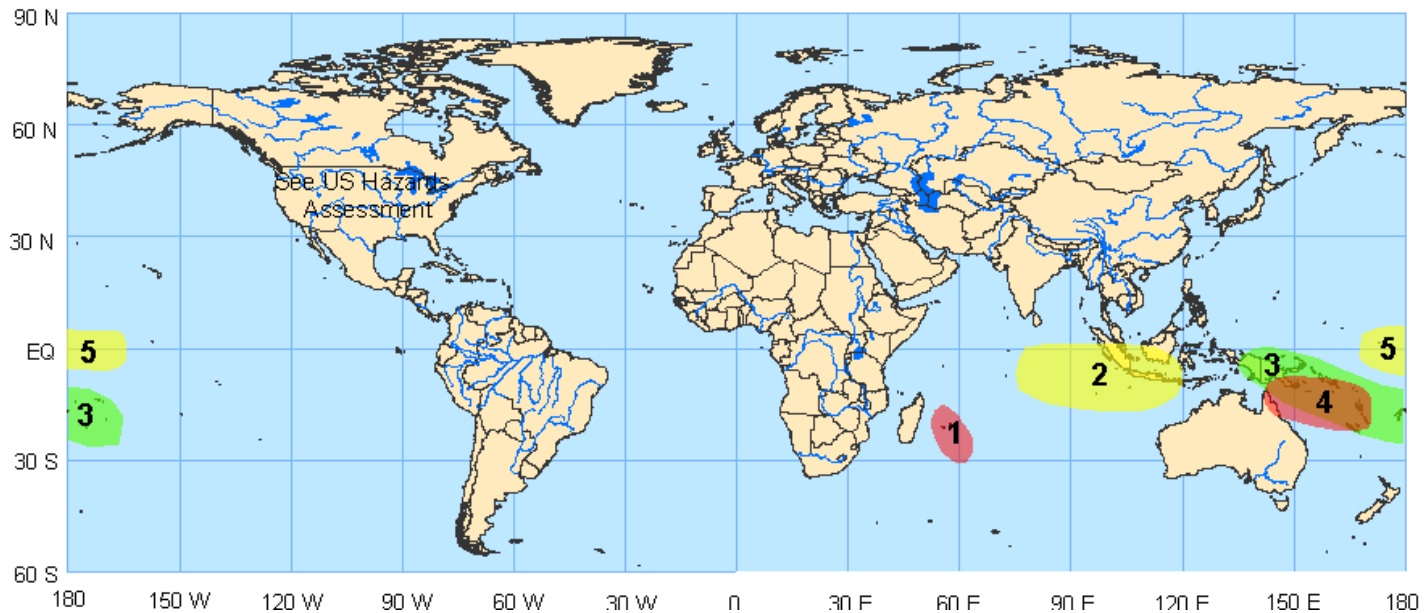


Experimental Global Tropics
Hazards/Benefits Assessment

Update prepared by:
Climate Prediction Center / NCEP
January 7, 2008

Week 1 Outlook – Valid: January 8 – 14, 2008



1. Favorable conditions exist for tropical cyclogenesis east of Madagascar. Areas of active convection persist in vicinity of Madagascar and with regions of above average SSTs the threat for tropical development is elevated. Numerical weather forecast guidance indicates potential development in this region.

Confidence: Moderate

2. An increased chance for below-average rainfall for the Indian Ocean mainly south of the equator and across the western Maritime Continent. The suppressed phase of the MJO is expected to result in dry conditions across these areas and numerical weather forecast guidance also supports suppressed convection in this area. **Confidence: High**

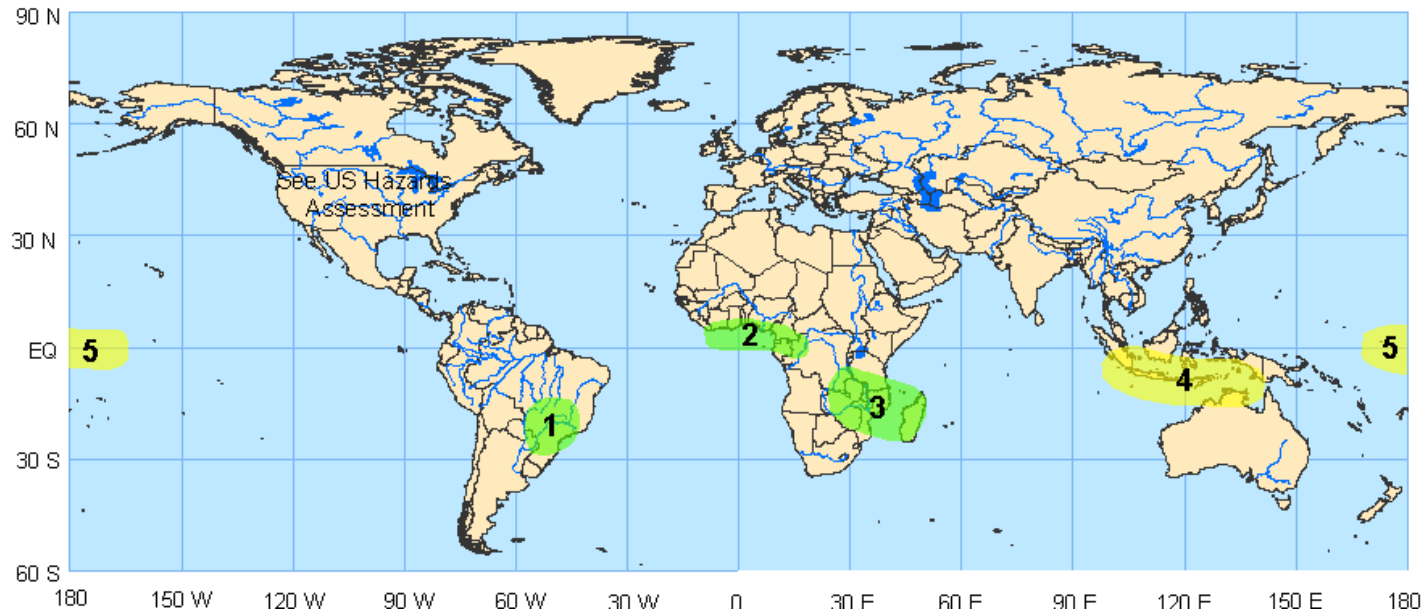
3. An increased chance for above-average rainfall for the far eastern Maritime continent and the western Pacific Islands. The enhanced phase of the MJO is expected to continue to support a favorable large-scale environment for convection and rainfall. Above average sea surface temperatures in some areas will also contribute to enhanced rainfall. **Confidence: High**

4. Favorable conditions exist for tropical cyclogenesis for the waters north and northeast of Australia. The enhanced phase of the MJO will continue active convection across sections of the western Pacific Ocean and will most likely result in a greater chance for low-level westerly flow, upper-level divergence, and other factors favorable for tropical development. Sea surface temperatures are above average and statistical tropical cyclone development tools favor genesis in this region. **Confidence: High**

5. 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 continue dry conditions across sections of the western Pacific Ocean. **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: January 15 – 21, 2008



1. An increased chance for above-average rainfall for southeastern Brazil. The enhanced phase of the MJO is expected to result in a favorable large-scale environment for convection and result in wet conditions across this region during the period. **Confidence: Moderate**

2. An increased chance for above-average rainfall for equatorial western Africa. The enhanced phase of the MJO is expected to result a favorable large-scale environment for convection and result in wet conditions for this region during the period. **Confidence: Moderate**

3. An increased chance for above-average rainfall for southeast Africa and Madagascar. The enhanced phase of the MJO and conditions consistent with La Nina are expected to result enhanced rainfall. Above average sea surface temperatures in some areas will also contribute to enhanced rainfall. **Confidence: Moderate**

4. An increased chance for below-average rainfall for the Maritime Continent. The suppressed phase of the MJO is expected to result in large-scale subsidence and dry conditions across this region during the period. **Confidence: Moderate**

5. 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 continue dry conditions across sections of the western Pacific Ocean. **Confidence: High**