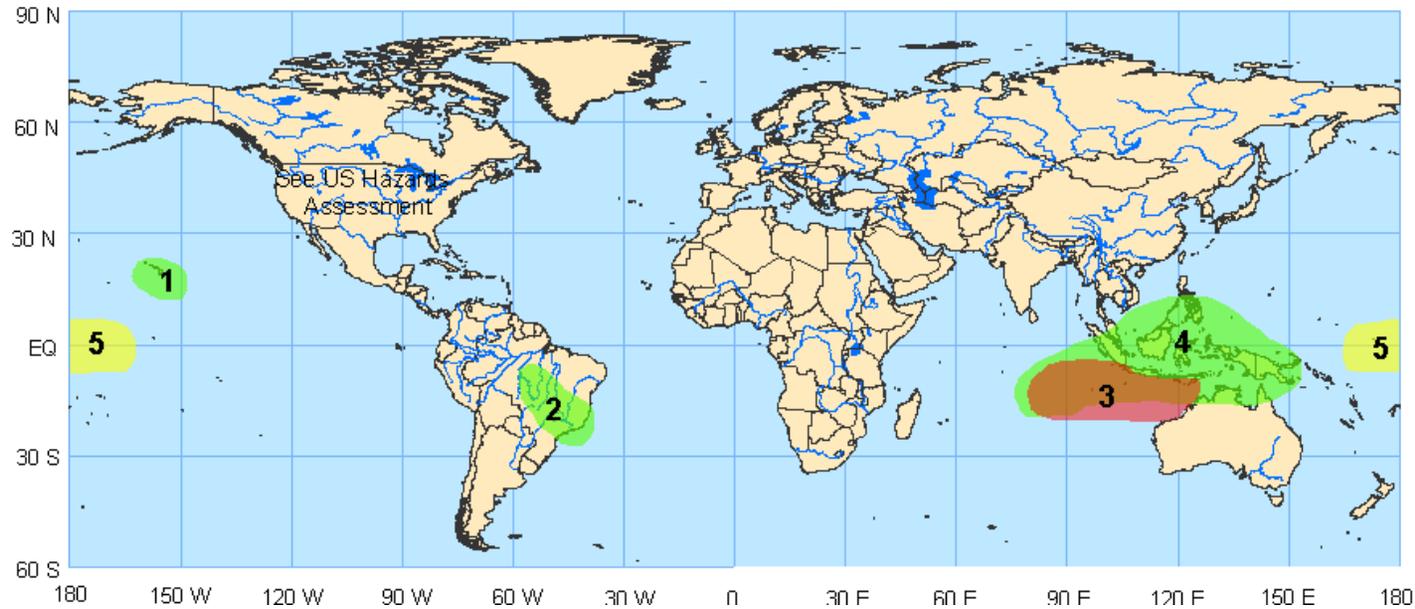


Experimental Global Tropics
Hazards/Benefits Assessment

Update prepared by:
Climate Prediction Center / NCEP
February 4, 2008

Issued: 2/4

Week 1 Outlook – Valid: February 5 -11, 2008



1. An increased chance for above-average rainfall for the Hawaiian Islands and nearby waters. The expected phase of the MJO and the ongoing La Nina favor the continuation of wet conditions during the period. **Confidence: Moderate**

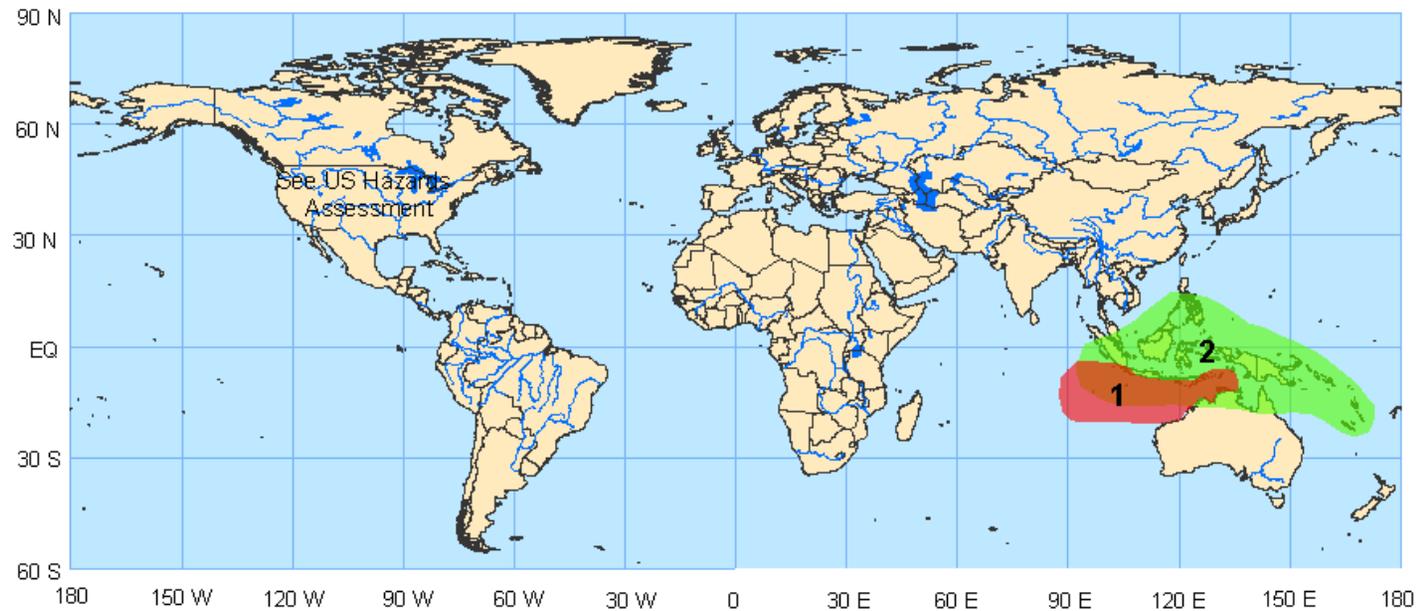
2. An increased chance for above-average rainfall for parts of eastern Brazil. The South Atlantic Convergence Zone (SACZ) is expected to remain enhanced and result in wet conditions in this region during the period. **Confidence: Moderate**

3. Favorable conditions exist for tropical cyclogenesis across the eastern Indian Ocean and waters northwest of Australia. The enhanced phase of the MJO and La Nina is expected to contribute to active convection in this region and will 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 numerical weather forecast guidance and statistical tropical cyclone development tools favor further genesis in this region. **Confidence: High**

4. An increased chance for above-average rainfall for the eastern Indian Ocean and Maritime continent. The enhanced phase of the MJO and the ongoing La Nina are expected 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**

5. An increased chance for below-average rainfall for the equatorial western Pacific Ocean near the Date Line. Conditions associated with La Nina are expected to contribute to large-scale subsidence and dry conditions in this region during the period. **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.



1. Favorable conditions exist for tropical cyclogenesis for the waters north-northwest of Australia. The enhanced phase of the MJO and enhanced convection associated with the ongoing La Nina are expected to contribute to a greater chance for low-level westerly flow and other factors favorable for tropical development. Sea surface temperatures are above average in this area and statistical tropical cyclone development tools favor genesis in this region during the period.

Confidence: High

2. An increased chance for above-average rainfall for the Maritime Continent. The enhanced phase of the MJO and the ongoing La Nina are expected 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