Global Tropics Hazards/Benefits Assessment - Climate Prediction Center - Issued: 8/23/2010

Product issued once per week with no updates. Conditions are subject to change after issuance time and before next outlook. Product targets broad scale conditions integrated over a 7 day period for US interests only. Please also consult your local responsible forecast agency.

**Week 1 Outlook – Valid: August 24-30, 2010**

**Synopsis:**

1. **An increased chance for above-average rainfall for areas from India to the Philippines.** Subseasonal coherent tropical variability, La Niña conditions, numerical weather forecast guidance, and above-normal sea surface temperatures (SSTs) favor elevated rainfall. **Confidence: High**

2. **An increased chance for tropical cyclogenesis across the South China Sea and parts of the western Pacific.** Areas of weak vertical wind shear and above normal SSTs in this region are expected to enhance the threat of tropical cyclone formation. **Confidence: Moderate**

3. **An increased chance for below-average rainfall for the west-central Pacific.** La Niña conditions and numerical weather forecast guidance support suppressed rainfall in this region. **Confidence: High**

4. **An increased chance for above-average rainfall for Mexico, Central America, parts of the eastern Pacific, and south Texas.** A combination of subseasonal coherent tropical variability (including easterly waves), La Niña conditions, and numerical forecast guidance support enhanced rainfall. **Confidence: Moderate**

5. **An increased chance for tropical cyclogenesis across the eastern Pacific.** Active convection in Mexico and the eastern Pacific elevates the threat of tropical cyclone formation in this region. **Confidence: Moderate**

6. **An increased chance for above-average rainfall for the Florida peninsula.** A stalled frontal system increases the threat for heavy rainfall in this region. **Confidence: High**

7. **An increased chance for tropical cyclogenesis across the east-central Atlantic.** Weak vertical wind shear, above-normal SSTs, and easterly waves emerging from western Africa favor an increased threat of tropical cyclone formation. **Confidence: Moderate**

**TEXT ITEM:** Some forecast guidance suggest development across the northwest Gulf of Mexico but the threat is considered low at the current time.

**ACTIVE TROPICAL CYCLONES (Consult National Hurricane Center and the Joint Typhoon Warning Center for updates):**

- **Atlantic**: Tropical Storm Danielle, 15.1 N, 39.4 W; **Eastern Pacific**: Tropical Storm Frank, 14.8 N, 98.7 W; **Western Pacific**: Tropical Storm Mindulle, 16.5 N, 108.9 E)

*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.
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Week 2 Outlook – Valid: August 31-September 6, 2010

Synopsis:

1. **An increased chance for above-average rainfall for the Maritime Continent, south China, and parts of the west Pacific.** Subseasonal coherent tropical variability, La Niña conditions, numerical weather forecast guidance, and above-normal sea surface temperatures (SSTs) favor elevated rainfall. **Confidence: High**

2. **An increased chance for tropical cyclogenesis across the South China Sea and parts of the western Pacific.** Areas of weak vertical wind shear and above normal SSTs in this region are expected to enhance the threat of tropical cyclone formation. **Confidence: Moderate**

3. **An increased chance for below-average rainfall for the west-central Pacific.** La Niña conditions and numerical weather forecast guidance support suppressed rainfall in this region. **Confidence: High**

4. **An increased chance for above-average rainfall for the Caribbean, Central America, Mexico and parts of the eastern Pacific.** A combination of subseasonal coherent tropical variability, La Niña conditions and numerical weather forecast guidance support enhanced rainfall in this region. **Confidence: Moderate**

5. **An increased chance for tropical cyclogenesis across the eastern Pacific.** Active convection across Mexico and the eastern Pacific elevates the threat of tropical cyclone formation in this region. **Confidence: Moderate**

6. **An increased chance for tropical cyclogenesis across the central Atlantic.** Subseasonal coherent tropical variability including easterly waves and weak vertical wind shear favors an increased threat for tropical development. **Confidence: Moderate**

**TEXT ITEM:** Some numerical guidance solutions and subseasonal coherent tropical variability favor a slightly increased chance for tropical cyclogenesis across the western Caribbean and southern Gulf of Mexico during the Week-2 period.

**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.