Global Tropics Hazards/Benefits Assessment - Climate Prediction Center - Issued: 9/6/2010

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: September 7-13, 2010**

1. **An increased chance for above-average rainfall for parts of India.** A monsoon low is expected to track west and result in very heavy rainfall in this region. Numerical model guidance supports this forecast. **Confidence: High**

2. **An increased chance for above-average rainfall for parts of the Maritime Continent, southeast China, Taiwan, and South Korea.** La Niña conditions, numerical weather forecast guidance, and above-normal sea surface temperatures (SSTs) favor elevated rainfall. **Confidence: High**

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

4. **An increased chance for above-average rainfall for parts of Mexico and south Texas.** Tropical storm Hermine and a rich flow of moisture from the eastern Pacific increases the threat for elevated rainfall in this region. **Confidence: Moderate**

5. **An increased chance for tropical cyclogenesis to the north of the Leeward Islands.** A pre-existing disturbance with convection is forecast to track west-northwest, near the Leeward Islands. Environmental conditions are expected to become more conducive for tropical cyclone development. **Confidence: Moderate**

6. **An increased chance for tropical cyclogenesis across the Central Atlantic.** Robust easterly waves, weak vertical wind shear and above-average sea surface temperatures favor an increased threat for tropical development. Numerical guidance also supports development. **Confidence: Moderate**

7. **An increased chance for above-average rainfall for parts of West Africa.** Forecast anomalous low-level winds from the Atlantic with increased moisture transport and strong easterly wave activity favors elevated rainfall in this area. **Confidence: High**

**Synopsis:**

- An increased chance for above-average rainfall for parts of India. A monsoon low is expected to track west and result in very heavy rainfall in this region. Numerical model guidance supports this forecast. **Confidence: High**

- An increased chance for above-average rainfall for parts of the Maritime Continent, southeast China, Taiwan, and South Korea. La Niña conditions, numerical weather forecast guidance, and above-normal sea surface temperatures (SSTs) favor elevated rainfall. **Confidence: High**

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

- An increased chance for above-average rainfall for parts of Mexico and south Texas. Tropical storm Hermine and a rich flow of moisture from the eastern Pacific increases the threat for elevated rainfall in this region. **Confidence: Moderate**

- An increased chance for tropical cyclogenesis to the north of the Leeward Islands. A pre-existing disturbance with convection is forecast to track west-northwest, near the Leeward Islands. Environmental conditions are expected to become more conducive for tropical cyclone development. **Confidence: Moderate**

- An increased chance for tropical cyclogenesis across the Central Atlantic. Robust easterly waves, weak vertical wind shear and above-average sea surface temperatures favor an increased threat for tropical development. Numerical guidance also supports development. **Confidence: Moderate**

- An increased chance for above-average rainfall for parts of West Africa. Forecast anomalous low-level winds from the Atlantic with increased moisture transport and strong easterly wave activity favors elevated rainfall in this area. **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.
Synopsis:

1. **An increased chance for above-average rainfall for parts of the Maritime Continent and the Philippines.** La Niña conditions, numerical weather forecast guidance, and above-normal sea surface temperatures (SSTs) favor elevated rainfall. **Confidence: Moderate**

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

3. **An increased chance for tropical cyclogenesis across the Central Atlantic.** Robust easterly waves, weak vertical wind shear and above-average sea surface temperatures favor an increased threat for tropical development. Numerical guidance also supports development. **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.