Global Tropics Hazards And Benefits Outlook

3/29/2022

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Outline

1. Review of Recent Conditions
2. Synopsis of Climate Modes
3. GTH Outlook and Forecast Discussion
4. Connections to U.S. Impacts
Outlook Review

X = Tropical Cyclone
Halima (3/23)

Cool shading
More clouds/rain

Warm shading
Less clouds/rain
Synopsis of Climate Modes

**ENSO**: (March 10, 2022 Update)  
*next update on Thursday, April 14th*

- ENSO Alert System Status: [La Niña Advisory](#)

- La Niña is favored to continue into the Northern Hemisphere Summer (53% chance during June-August 2022), with a 40-50% chance of La Niña or ENSO-neutral thereafter

**MJO and other subseasonal tropical variability:**

- A robust MJO was apparent in the low and upper-level wind fields and also the 200-hPa velocity potential anomalies during mid to late March. However, the MJO was unable to have a major influence on anomalous tropical rainfall with La Niña remaining dominant.

- During the past several days, the amplitude of the RMM index decreased within the unit circle.

- Dynamical models are in good agreement that the MJO remains weak during the next two weeks.
Global Tropics Hazards and Benefits Outlook - Climate Prediction Center

Week 1 - Valid: Mar 30, 2022 - Apr 05, 2022

Week 2 - Valid: Apr 06, 2022 - Apr 12, 2022

Confidence

Tropical Cyclone Formation
High Development of a tropical cyclone (tropical depression - TD, or greater strength).
Moderate
Above-average rainfall
Weekly total rainfall in the upper third of the historical range.
Below-average rainfall
Weekly total rainfall in the lower third of the historical range.
Above-normal temperatures
7-day mean temperatures in the upper third of the historical range.
Below-normal temperatures
7-day mean temperatures in the lower third of the historical range.

Produced: 03/29/2022
Forecaster: Pugh

Product is updated once per week, except from 6/1 - 11/30 for the region from 120E to 0, 0 to 40N. The product targets broad scale conditions integrated over a 7-day period for US interests only. Consult your local responsible forecast agency.
By the middle of March MJO became much more well-defined and began propagating eastward.

Center of enhanced convection now centered over Maritime Continent.

As of March 28th, a well-defined MJO continued with its enhanced phase expanding east of the Date Line.
The GEFS depicts a less coherent MJO by early April.
Following the eastward propagation (phases 2, 3, and 4) of the MJO during mid to late March, the RMM index decreased to within the unit circle in recent days.

The GEFS and ECMWF means are in good agreement that the MJO remains weak during the next two weeks.
Connections to U.S. Impacts
Week 2 – Temperature and Precipitation

8-14 Day Temperature Outlook
Valid: April 5 - 11, 2022
Issued: March 28, 2022

8-14 Day Precipitation Outlook
Valid: April 5 - 11, 2022
Issued: March 28, 2022
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