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PNSWSH

Service Change Notice 17-33  
National Weather Service Headquarters Silver Spring MD  
700 AM EDT Mon Mar 20 2017

To:           Subscribers:  
              -NOAA Weather Wire Service  
              -Emergency Managers Weather Information Network  
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              Other NWS Partners and NWS Employees

From:         Allison Allen  
              Chief, Marine, Tropical and Tsunami Services Branch

Subject:      Expansion of the CPHC Tropical Weather Outlook to  
              5 Days and Introduction of a 5-Day Companion Graphic  
              to Match Products Issued by the NHC

Beginning on or around June 1, 2017, the Central Pacific Hurricane Center (CPHC) will expand its 2-Day Tropical Weather Outlook (TWO) to 5 days. CPHC will also introduce a 5-Day Graphical Tropical Weather Outlook (GTWO) graphic in addition to 2-Day graphic already available. These changes will allow all NWS TWO and GTWO products to have the same valid times and formats.

The 5-Day TWO from CPHC will provide a current assessment in plain language of areas of disturbed weather and their potential for tropical formation over the next 120 hours for the central Pacific basin. Like the 2-Day TWO, the new 5-Day TWO will provide probabilistic information, in 10-percent increments, about a system's potential for developing into a tropical cyclone. The forecast and discussion will be provided on a disturbance-by-disturbance basis for both the 2-day and 5-day periods for the central Pacific basin.

The 5-Day GTWO from CPHC will be a visual companion to the 5-Day forecast and discussion in the TWO text product and will be produced four times daily by the CPHC for the central Pacific basin. These changes will make CPHC's TWO and GTWO products consistent with those issued by the National Hurricane Center (NHC) for the Atlantic and east Pacific basins and will include the recently approved changes to the NHC GTWO for potential tropical cyclones as noted in Service Change Notice 17-30 Updated: Changes to the Graphical Tropical Weather Outlook (GTWO) issued by the NHC effective on or around May 15, 2017:

<http://www.nws.noaa.gov/os/notification/scn17-30gtwo.htm>

The GTWO is a web-based set of graphics that identify the locations of disturbed weather and the areas where these disturbances could develop into tropical cyclones. Disturbance

locations, when they exist, are indicated by Xs and the potential formation areas are shown as shaded or hatched areas. The areas are color-coded based upon the forecast likelihood of tropical cyclone formation in the next 2 days on the 2-Day GTWO and 5 days on the 5-Day GTWO:

- Yellow, 30 percent or less chance
- Orange, 40-60 percent chance
- Red, 70 percent or greater chance

When a user moves the computer mouse pointer over a disturbance in the graphic, the associated text for that disturbance pops up. Clicking on a disturbance will display a version of the graphic showing only that particular disturbance. Each of the single-disturbance graphics displays the quantitative genesis probability, given in 10 percent increments, and a disturbance number (i.e., Disturbance 1, Disturbance 2), with the text for each numbered disturbance given beneath the graphic.

CPHC will issue both the TWO and GTWO four times daily during the hurricane season at 0000, 0600, 1200, and 1800 Coordinated Universal Time (UTC). CPHC will issue special TWOs and updates to the GTWO any time important changes have occurred that need to be conveyed before the next scheduled issuance or outside of hurricane season when the TWO and GTWO are not routinely issued.

The TWO and GTWO will be found on CPHC's website at:

<http://www.prh.noaa.gov/cphc/>

For questions regarding this notice, please contact:

Jessica Schauer  
NWS Tropical Service Program Lead  
NWS Marine, Tropical and Tsunami Services Branch  
Miami, FL 33165  
Telephone: 305-229-4476  
Email: [Jessica.Schauer@noaa.gov](mailto:Jessica.Schauer@noaa.gov)

or  
Wayne Presnell  
NWS Marine, Tropical and Tsunami Services Branch  
Silver Spring, MD 20910  
Telephone: 301-427-9390  
Email: [Wayne.Presnell@noaa.gov](mailto:Wayne.Presnell@noaa.gov)

National Service Change Notices are online at:

<http://www.nws.noaa.gov/os/notif.htm>

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