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Public Information Statement 21-19  
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From: Allison Allen, Chief  
Marine, Tropical and Tsunami Services Branch

Subject: Soliciting comments through April 1, 2022 on experimental Track and Error Cone Graphics from Central Pacific Hurricane Center for tropical cyclones in the South and western North Pacific basins based on Joint Typhoon Warning Center forecasts

The NWS is soliciting public comments through April 1, 2022, on experimental Track and Error Cone Graphics provided by the Central Pacific Hurricane Center (CPHC) for tropical cyclones (TC) in the South Pacific and western North Pacific basins. These forecasts are issued by the Joint Typhoon Warning Center (JTWC). Previously, these graphics had only been available experimentally for the South Pacific.

On an experimental basis, CPHC will issue TC Track (Cone) Graphics that reflect the analyses and forecasts provided in the TC Warning products JTWC issues for the South and western North Pacific basins. These graphics will contain an error cone calculated in the same fashion as the operational graphics issued by CPHC for the central North Pacific, but they will not contain watch/warning information.

To form the error cone, a set of circles are placed along the forecast track at each of the forecast positions, where the size of each circle is set so that it encloses 67 percent of the previous 5 years of official forecast errors. The cone is then formed by smoothly connecting the area swept out by the set of circles. NWS will create both 3-day and 5-day versions of this product.

When JTWC issues TC Warning text products the issuance will trigger production of these new graphics. These products are routinely issued at 0300, 0900, 1500, and 2100 Coordinated Universal Time (UTC). JTWC TC Warning products can be found under the following World Meteorological Organization (WMO) identifiers:

JTWC Product -----	WMO ID -----
Southern Hemisphere TC Warning	WTPS3[1-5] PGTW
Western North Pacific TC Warning	WTPN3[1-5] PGTW

More information on the products issued by JTWC can be found here:

<https://www.metoc.navy.mil/jtwc/jtwc.html?notices>

Examples of these experimental Track and Error Cone Graphics for the South Pacific and western North Pacific basins can be found at:

South Pacific:

<https://www.weather.gov/hfo/spacTropicalExample>

Western North Pacific:

<https://www.weather.gov/hfo/wpacTropicalExample>

Experimental Tropical Cyclone Track (Cone) Graphics for the South Pacific basin using JTWC forecasts are provided at the website listed below:

<https://www.weather.gov/hfo/spacTropical>

Experimental Tropical Cyclone Track (Cone) Graphics for the western North Pacific basin using JTWC forecasts are provided at the website listed below:

<https://www.weather.gov/hfo/wpacTropical>

These graphics will be available shortly after the release of the corresponding TC Warning products from JTWC. In addition, CPHC will provide the Tropical Cyclone Track (Cone) Graphics experimentally in shapefile and KMZ formats. These files are available on the same web pages noted above.

The web pages hosting the South Pacific and western North Pacific graphics will include a disclaimer that explains that the forecasts provided are based on information from JTWC. The disclaimer will also point users to the website of the respective WMO Regional Specialized Meteorological Center (RSMC) responsible for TC forecasts in the area for more information. The RSMC for the South Pacific is Nadi, Fiji. The RSMC for the western North Pacific is Tokyo, Japan.

The experimental products will not have a backup production site in a case where conditions or events exist that prevent the product from being issued from the original production source.

Users are encouraged to provide feedback on this experimental product through the following survey:

[https://www.surveymonkey.com/r/TC\\_TrackGraphics\\_SouthPacific\\_WesternNorthPacific](https://www.surveymonkey.com/r/TC_TrackGraphics_SouthPacific_WesternNorthPacific)

If you have questions regarding this notice, please contact:

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