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Public Information Statement 21-19 Updated
National Weather Service Headquarters Silver Spring MD
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From: Kate Abshire, Acting Chief
 Marine, Tropical and Tsunami Services Branch

Subject: Updated: Soliciting Comments through May 31, 2023 on
Experimental Track and Error Cone Graphics Produced by the Central
Pacific Hurricane Center for Tropical Cyclones in the South Pacific and
Western North Pacific Basins Based on Forecasts Issued by the Joint
Typhoon Warning Center

Updated to extend the comment period through May 31, 2023, to promote new
local office websites for the experimental Track and Error Cone Graphics,
and to define the product generation boundaries.

The National Weather Service (NWS) has extended the comment period
through May 31, 2023 for the experimental Track and Error Cone Graphics
for tropical cyclones (TCs) in the South Pacific and western North
Pacific basins based on forecasts issued by the Joint Typhoon Warning
Center (JTWC). These graphics will be generated by the NWS Central
Pacific Hurricane Center (CPHC).

Changes for this comment period include: (1) The time zone for the
western North Pacific graphics has been fixed to Chamorro Standard Time
(CHST) and Samoan Standard Time (SST) for the South Pacific. (2) The area
the graphics will be produced for is now tied to the area of
responsibility for either Weather Service Office (WSO) Pago Pago,
American Samoa (WSO PPG) and Weather Forecast Office (WFO) Tiyan, Guam
(WFO GUM). (3) The products are now hosted on the official NWS webpages
for WSO PPG and WFO GUM.

On an experimental basis, CPHC produces TC Track ("Cone") Graphics that
reflect the analyses and forecasts provided in the TC Warning products
issued by JTWC for the South Pacific 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 five years' official forecast errors.
The cone is then formed by smoothly connecting the area swept out by the
set of circles. Both 3-day and 5-day versions of this product will be
created. These products will only be produced for any tropical cyclones

JTWC is issuing warning bulletins on which have at least one forecast point within 10S-20S and 164.5W-178.5W for the South Pacific and within 0-25N and 180-130E for the western North Pacific.

The issuance of TC Warning text products from JTWC 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/ppg/spacTropicalExample>

Western North Pacific:

<https://www.weather.gov/gum/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/ppg/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/gum/wpacTropical>

These graphics will be available shortly after the release of the corresponding TC Warning products from JTWC. The experimental Tropical Cyclone Track ("Cone") Graphics will also be available in shapefile and KMZ formats and can be found on the same web pages noted above.

The webpages 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.

Note: 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

If you have questions regarding this notice, please contact:

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National Public Information Statements are online at:

<https://www.weather.gov/notification>

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