

NOUS41 KWBC 011440  
PNSWSH

Public Information Statement 21-20  
National Weather Service Headquarters Silver Spring MD  
1040 AM EDT Thu Apr 1 2021

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

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

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

The NWS is seeking feedback through April 1, 2022, on experimental Tropical Cyclone Wind Speed Probability Graphics based on forecasts from the Joint Typhoon Warning Center (JTWC) for tropical cyclones in the South Pacific and western North Pacific basins. These graphics will be issued by the NWS Central Pacific Hurricane Center (CPHC).

Tropical cyclone surface wind speed probability graphics provide probabilities of sustained (1-minute average) surface (10-meter elevation) wind speeds of at least 34 knots (kt.; 39 miles per hour (mph), tropical storm force), 50 kt. (58 mph), and 64 kt. (74 mph, hurricane/ typhoon force) at individual locations in the South Pacific and western North Pacific basins. The location specific probabilities are based on errors during recent years in the official track and intensity forecasts issued by the JTWC. Variability in tropical cyclone size (wind radii) is also incorporated into the probabilities.

Tropical Cyclone Wind Speed Probability Graphics are operationally provided for the eastern and central North Pacific basins and the Atlantic basin. The experimental graphics for the South Pacific and western North Pacific will be generated in the same fashion as the operational graphics. More information on the NWS Tropical Cyclone Wind Speed Probability Graphics can be found in the following Product Description Document:

[https://nws.weather.gov/products/PDD/PDD\\_TCSurfaceWindSpeedProbGraphical\\_2021.pdf](https://nws.weather.gov/products/PDD/PDD_TCSurfaceWindSpeedProbGraphical_2021.pdf)

CPHC will experimentally issue a storm-centered graphical wind speed probability product with each regular JTWC advisory package for each active tropical cyclone in

the South Pacific and western North Pacific basins. The graphical wind speed probabilities are available within 15 minutes of when the tropical cyclone advisory is issued by JTWC. Examples of these Tropical Cyclone Wind Speed Probability 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>

Users will need to select either the 34-kt, 50-kt, or 64-kt links listed under “Wind Speed Probabilities” on these pages to view the sample products. CPHC provides the graphics experimentally in KMZ format. These files will be available on the same webpages noted above.

When there are active tropical cyclones in the South Pacific or western North Pacific basin, the experimental Tropical Cyclone Wind Speed Probability Graphics can be found on the following webpages:

South Pacific

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

Western North Pacific

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

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 April 1, 2022 the following survey:

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

If you have questions regarding this notice, please contact:

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

National Public Information Statements are online at:

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

NNNN