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Download 120-h GIS data: [5 km .shp](#) [0.5 degree .shp](#)

About this product:

Note: The time of the tropical cyclone's center location at the bottom of the graphic will be 3 hours earlier than the time of the current advisory. The forecast cycle for each advisory begins 3 hours prior to the issuance of the advisory products.

These graphics show probabilities of sustained (1-minute average) surface wind speeds equal to or exceeding 34 kt (39 mph). These wind speed probability graphics are based on the official National Hurricane Center (NHC) track, intensity, and wind radii forecasts, and on NHC forecast error statistics for those forecast variables during recent years. Each graphic provides cumulative probabilities that wind speeds of at least 39 mph will occur during cumulative time periods at each specific point on the map. The cumulative periods begin at the start of the forecast period and extend through the entire 5-day forecast period at cumulative 12-hour intervals (i.e., 0-12 h, 0-24 h, 0-36 h, ... , 0-120 h). An individual graphic is produced for each cumulative interval, and the capability to zoom and animate through the periods is provided. To assess the overall risk of experiencing winds of at least 39 mph at any location, the 120-h graphics are recommended.

These probabilities will be updated by the NHC with each advisory package for all active tropical cyclones in the Atlantic and eastern North Pacific basins. While separate graphics are focused on each individual tropical cyclone, probabilities resulting from more than one active tropical cyclone may be seen on each graphic.

It is important for users to realize that wind speed probabilities that might seem relatively small at their location might still be quite significant, since they indicate that there is a chance that a damaging or even extreme event could occur that warrants preparations to protect lives and property.

Additionally, these probability products are available on the National Weather Service's [National Digital Forecast Database \(NDFD\) graphical tropical webpage](#).

Quick Links and Additional Resources

TROPICAL CYCLONE FORECASTS
 Tropical Cyclone Advisories
 Tropical Weather Outlook
 Audio/Podcasts

SOCIAL MEDIA
 NHC on Facebook
 Twitter
 YouTube

RESEARCH AND DEVELOPMENT
 NOAA Hurricane Research Division
 Joint Hurricane Testbed
 Hurricane Forecast Improvement

NWS FORECAST OFFICES
 Weather Prediction Center
 Storm Prediction Center
 Ocean Prediction Center
 Local Forecast Offices