

## Current Watches and Warnings

A **Tropical Storm Warning** is in effect from Cape May, New Jersey to Watch Hill, Rhode Island; including Long Island, New York and Long Island Sound

## Current Details from the National Hurricane Center (NHC)

**COORDINATES:** 35.5° north, 74.9° west

**LOCATION:** 195 miles (310 kilometers) south of Ocean City, Maryland

**MOVEMENT:** north at 7 mph (11 kph)

**WINDS:** 45 mph (75 kph) with gusts to 60 mph (95 kph)

**RADIUS OF TROPICAL STORM-FORCE WINDS:** 140 miles (220 kilometers)

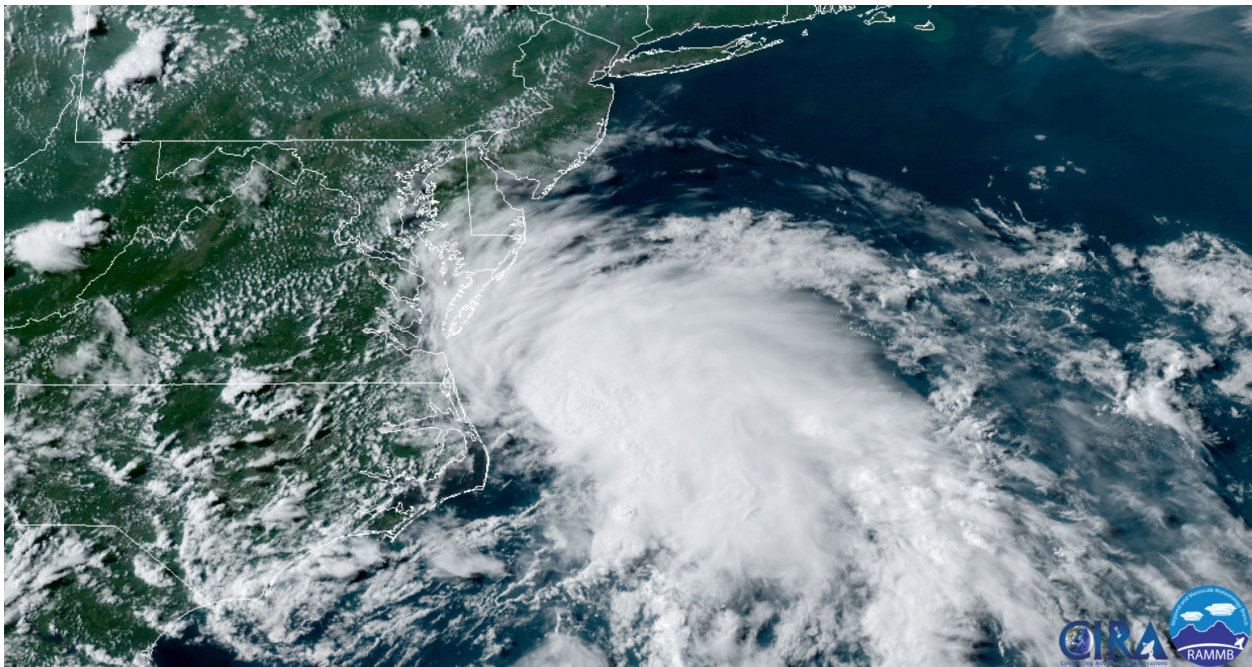
**MINIMUM CENTRAL PRESSURE:** 1005 millibars

**SAFFIR-SIMPSON SCALE RANKING\*:** Tropical Storm

**FORECAST LANDFALL LOCATION:** New Jersey or New York

**FORECAST LANDFALL TIMEFRAME:** late Friday evening local time

## Latest Satellite Picture



Source: NOAA; NASA; Colorado State University (RAMMB)

# Discussion

Tropical Storm Faye, located approximately 195 miles (310 kilometers) south of Ocean City, Maryland, is currently tracking north at 7 mph (11 kph). Radar and surface observations continue to show that the area of low pressure near the coast of North Carolina had a reforming of its center today, which is located closer to a main area of thunderstorm activity located east of the Outer Banks. An Air Force Reserve reconnaissance aircraft flew into the system earlier this afternoon and discovered that the center is near the edge of the convective mass and is producing an area of wind speeds approaching 45 mph (75 kph). These winds are primarily located to the east and southeast of the center. Based on this data, the National Hurricane Center has initiated advisories on Tropical Storm Fay with 45 mph (75 kph) winds. This makes Fay the earliest sixth-named storm on record in the Atlantic Ocean; data records extend to 1851. The previous record was Tropical Storm Franklin on July 22, 2005.

Fay is currently located over the warm waters of the Gulf Stream and within an area of light to moderate westerly wind shear. These conditions could allow for slight strengthening tonight and Friday. After that time, the circulation is forecast to interact with the Mid-Atlantic coast and start traversing cooler waters north of the Gulf Stream that will likely limit any further intensification. Fay should quickly weaken after coming ashore on Friday night or Saturday.

Since a new center has recently formed, the initial motion highly uncertain towards the north. Fay is expected to move generally northward between a ridge of high pressure located over the western Atlantic Ocean and an approaching mid-latitude trough. The forecast model guidance has come into much better agreement on a track very close to the U.S. Mid-Atlantic coast. The NHC track lies along the left side of the guidance envelope but it is not as far west as what is indicated in the model fields.

The NHC track and intensity forecast has required the issuance of a Tropical Storm Warning for a portion of the U.S. coast from the Mid-Atlantic states to southern New England.

## Key Messages from the National Hurricane Center

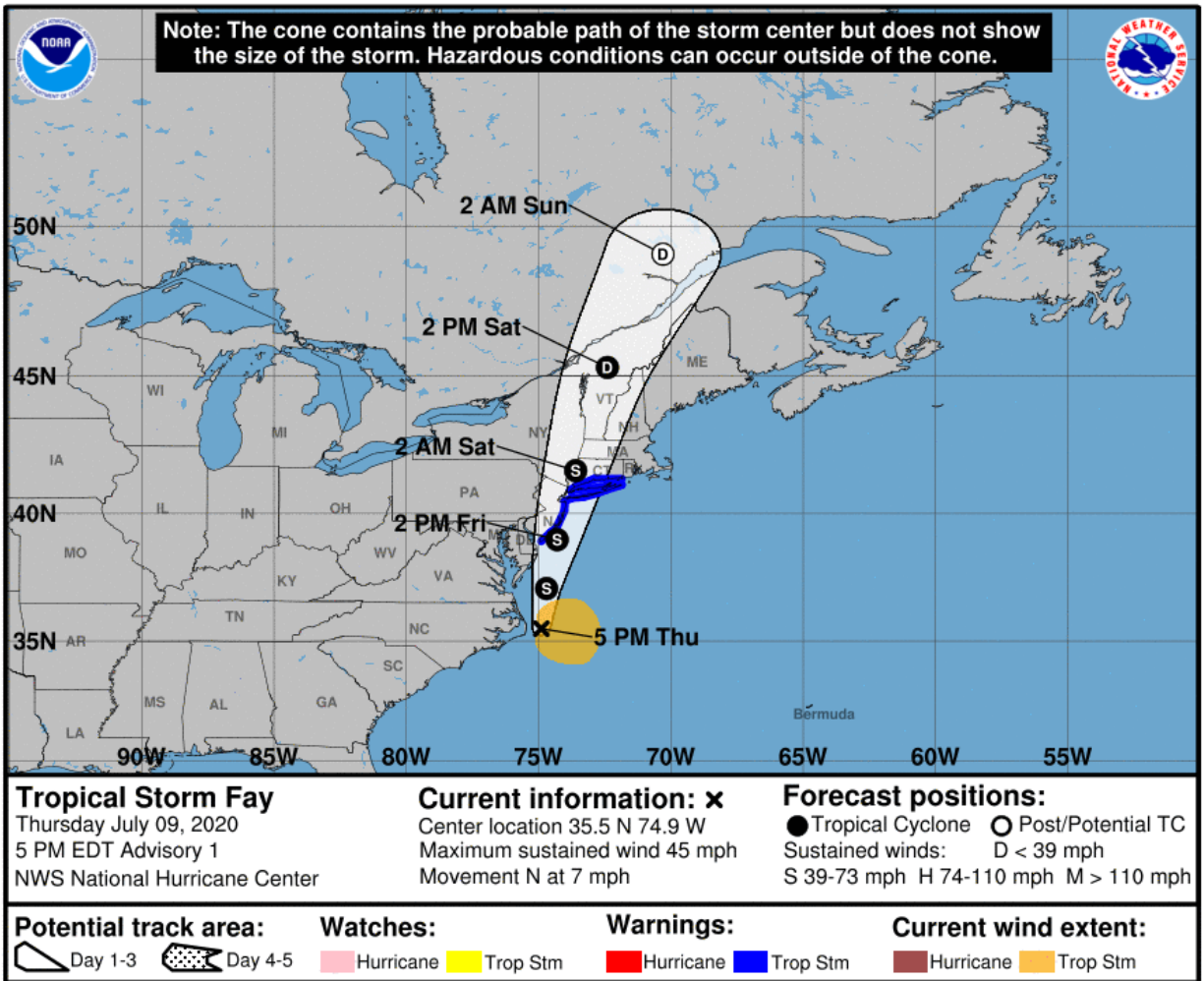
1. Fay is expected to produce 3 to 5 inches of rain with isolated totals of 8 inches along and near the track across the Mid-Atlantic States into southeast New York and southern New England. These rains may result in flash flooding where the heaviest amounts occur. Widespread river flooding is not expected at this time.
2. Tropical storm conditions are expected along portions of the Mid-Atlantic and northeast coast Friday and Friday night, and a Tropical Storm Warning has been issued for the coasts of New Jersey, New York and Connecticut, including Long Island.

## Additional Information

**RAINFALL:** Fay is expected to produce 3 to 5 inches of rain along and near the track of Fay across the mid-Atlantic states into southeast New York and southern New England. These rains may result in flash flooding where the heaviest amounts occur.

**WIND:** Tropical storm conditions are expected to first reach the coast within the warning area on Friday and spread northward through the warning area Friday night.

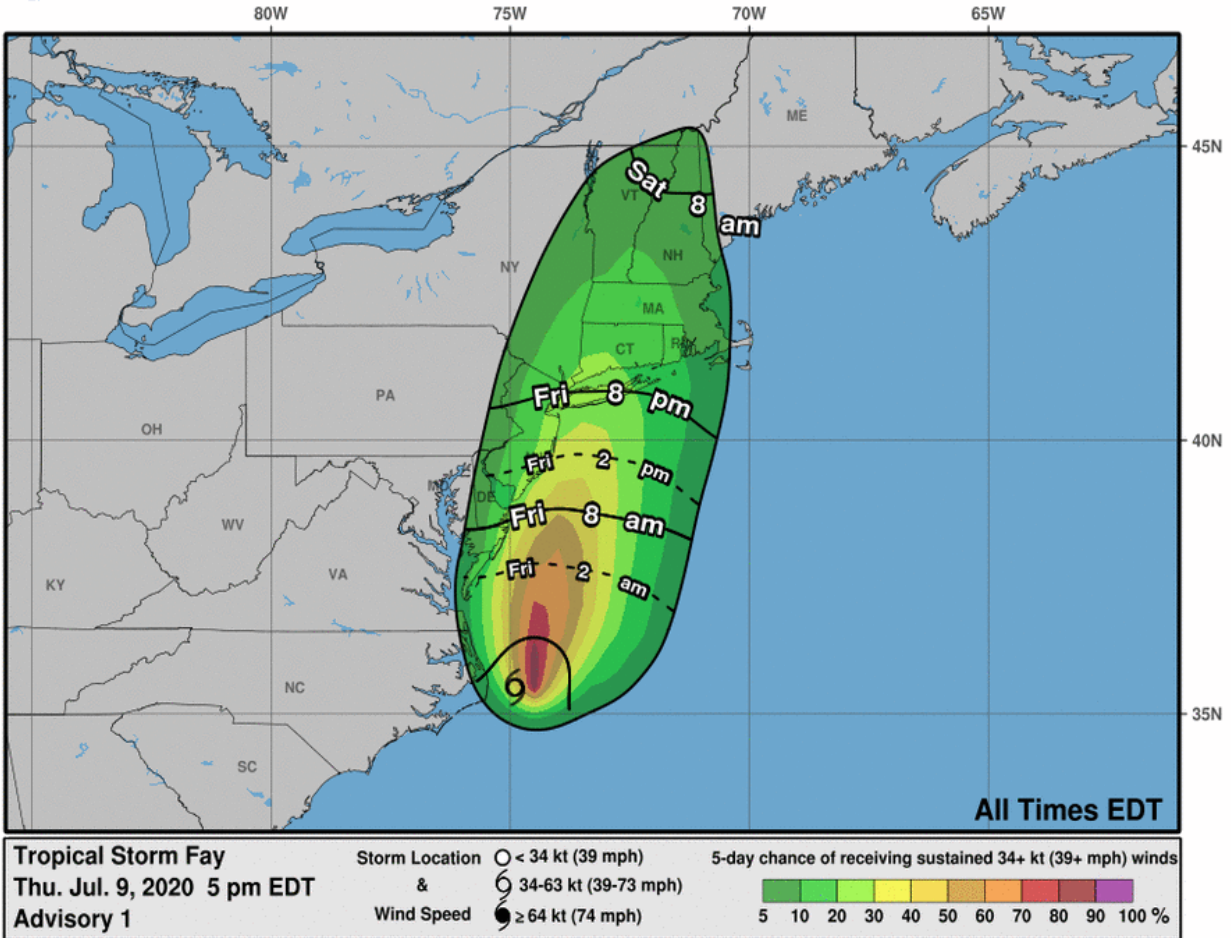
# National Hurricane Center (NHC) Forecast



# Most Likely Arrival Time of Tropical Storm-Force Winds



## Most Likely Arrival Time of Tropical-Storm-Force Winds

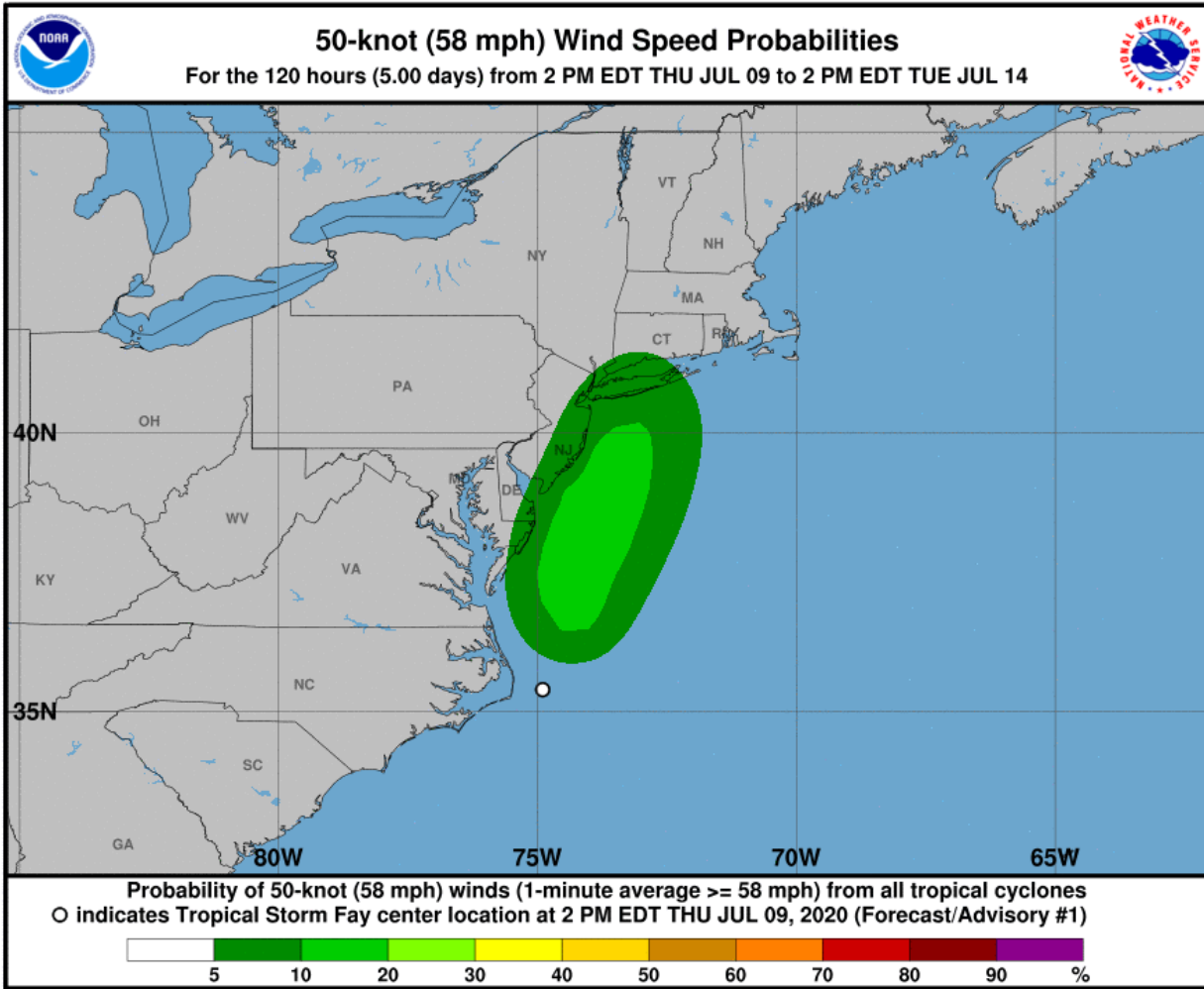


# National Hurricane Center: Wind Speed Probabilities

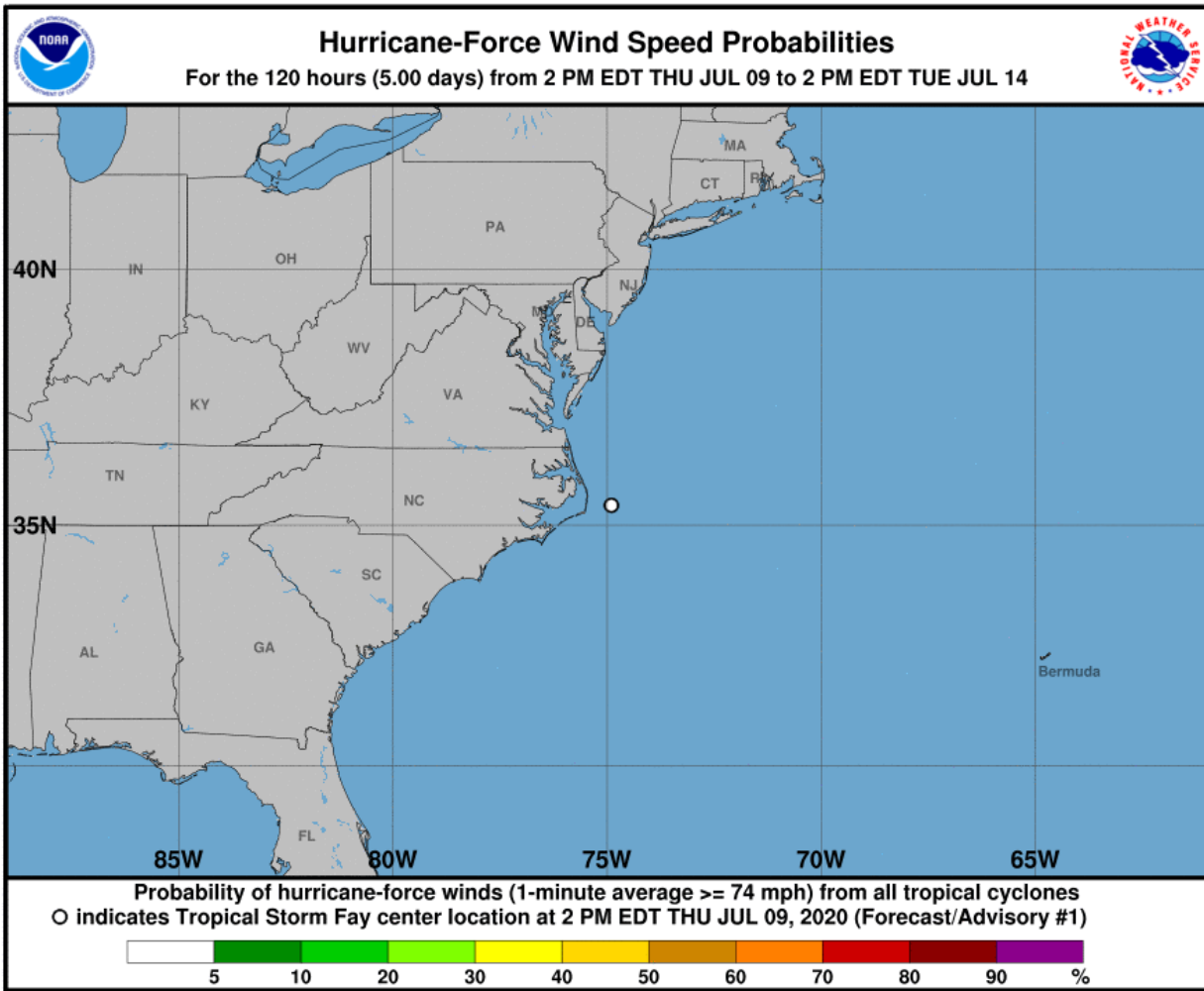
## Tropical Storm-Force Wind Probabilities ( $\geq 40$ mph (65 kph))



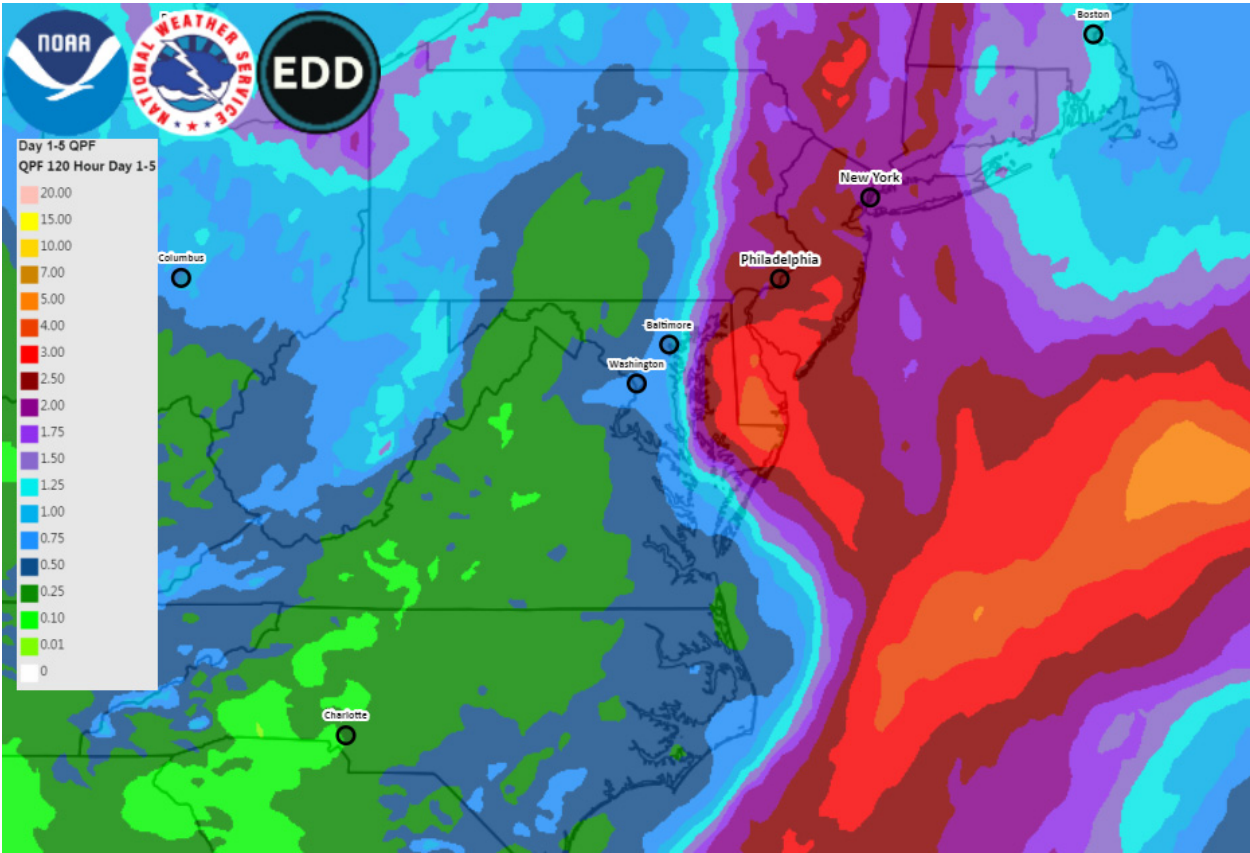
# Wind Probabilities ( $\geq 60$ mph (95 kph))



# Hurricane-Force Wind Probabilities ( $\geq 75$ mph (120 kph))

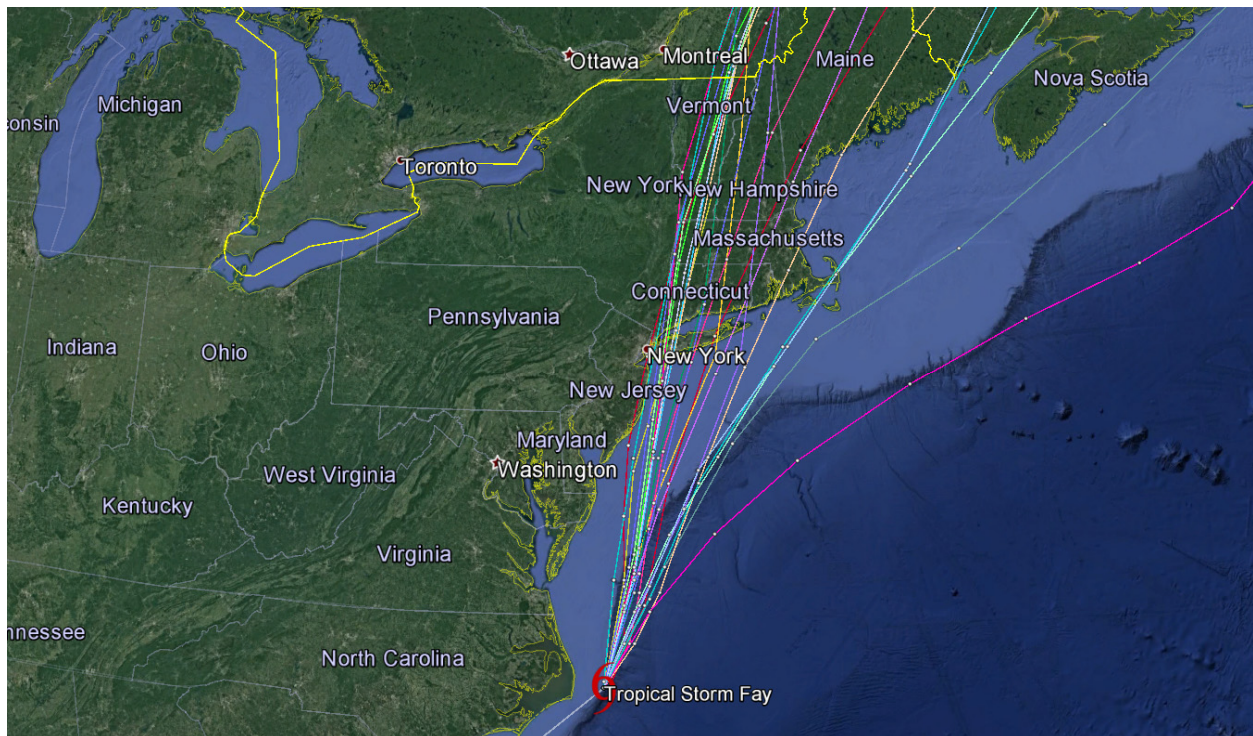


# Weather Prediction Center: Rainfall Potential





## Current 'Spaghetti' Model Output Data



Source: NHC

## Additional Information and Update Schedule

Wind intensity forecasts and forecast track information can be found via the National Hurricane Center at [www.nhc.noaa.gov](http://www.nhc.noaa.gov)

**NEXT CAT ALERT:** Friday morning after 10:00 AM Central Time (15:00 UTC).

# \*Tropical Cyclone Intensity Classifications for Global Basins

WIND SPEED			BASINS AND MONITORING BUREAU						
KTS <sup>1</sup>	MPH <sup>1</sup>	KPH <sup>1</sup>	NE Pacific, Atlantic	NW Pacific	NW Pacific	SW Pacific	Australia	SW Indian	North Indian
			National Hurricane Center (NHC)	Joint Typhoon Warning Center (JTWC)	Japan Meteorological Agency (JMA)	Fiji Meteorological Service (FMS)	Bureau Of Meteorology (BOM)	Meteo-France (MF)	India Meteorological Department (IMD)
30	35	55	Tropical Depression	Tropical Depression	Tropical Depression	Tropical Depression	Tropical Low	Tropical Depression	Deep Depression
35	40	65	Tropical Storm	Tropical Storm	Tropical Storm	Cat. 1 Tropical Cyclone	Cat. 1 Tropical Cyclone	Moderate Tropical Storm	Cyclonic Storm
40	45	75							
45	50	85							
50	60	95							
55	65	100							
60	70	110	Cat. 1 Hurricane	Typhoon	Typhoon	Cat. 3 Severe Tropical Cyclone	Cat. 3 Severe Tropical Cyclone	Tropical Cyclone	Very Severe Cyclonic Storm
65	75	120							
70	80	130							
75	85	140							
80	90	150							
85	100	160	Cat. 2 Hurricane	Typhoon	Typhoon	Cat. 4 Severe Tropical Cyclone	Cat. 4 Severe Tropical Cyclone	Intense Tropical Cyclone	Very Severe Cyclonic Storm
90	105	170							
95	110	175	Cat. 3 Major Hurricane	Typhoon	Typhoon	Cat. 4 Severe Tropical Cyclone	Cat. 4 Severe Tropical Cyclone	Intense Tropical Cyclone	Very Severe Cyclonic Storm
100	115	185							
105	120	195							
110	125	205	Cat. 4 Major Hurricane	Super Typhoon	Super Typhoon	Cat. 5 Severe Tropical Cyclone	Cat. 5 Severe Tropical Cyclone	Very Intense Tropical Cyclone	Super Cyclonic Storm
115	130	210							
120	140	220							
125	145	230	Cat. 4 Major Hurricane	Super Typhoon	Super Typhoon	Cat. 5 Severe Tropical Cyclone	Cat. 5 Severe Tropical Cyclone	Very Intense Tropical Cyclone	Super Cyclonic Storm
130	150	240							
135	155	250	Cat. 5 Major Hurricane	Super Typhoon	Super Typhoon	Cat. 5 Severe Tropical Cyclone	Cat. 5 Severe Tropical Cyclone	Very Intense Tropical Cyclone	Super Cyclonic Storm
140	160	260							
>140	>160	>260							

# About Aon

Aon plc (NYSE:AON) is a leading global professional services firm providing a broad range of risk, retirement and health solutions. Our 50,000 colleagues in 120 countries empower results for clients by using proprietary data and analytics to deliver insights that reduce volatility and improve performance.

© Aon plc 2019. All rights reserved.

The information contained herein and the statements expressed are of a general nature and are not intended to address the circumstances of any particular individual or entity. Although we endeavor to provide accurate and timely information and use sources we consider reliable, there can be no guarantee that such information is accurate as of the date it is received or that it will continue to be accurate in the future. No one should act on such information without appropriate professional advice after a thorough examination of the particular situation.

Copyright © by Impact Forecasting®

No claim to original government works. The text and graphics of this publication are provided for informational purposes only. While Impact Forecasting® has tried to provide accurate and timely information, inadvertent technical inaccuracies and typographical errors may exist, and Impact Forecasting® does not warrant that the information is accurate, complete or current. The data presented at this site is intended to convey only general information on current natural perils and must not be used to make life-or-death decisions or decisions relating to the protection of property, as the data may not be accurate. Please listen to official information sources for current storm information. This data has no official status and should not be used for emergency response decision-making under any circumstances.

Cat Alerts use publicly available data from the internet and other sources. Impact Forecasting® summarizes this publicly available information for the convenience of those individuals who have contacted Impact Forecasting® and expressed an interest in natural catastrophes of various types. To find out more about Impact Forecasting or to sign up for the Cat Reports, visit Impact Forecasting's webpage at [impactforecasting.com](http://impactforecasting.com).

Copyright © by Aon plc. All rights reserved. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise. Impact Forecasting® is a wholly owned subsidiary of Aon plc.