

Current Watches and Warnings

A **Tropical Storm Warning** is in effect from the Flagler / Volusia County line northward to St. Andrews Sound, Georgia

Current Details from the National Hurricane Center (NHC)

COORDINATES: 30.2° north, 81.8° west

LOCATION: 10 miles (15 kilometers) southwest of Jacksonville, Florida

MOVEMENT: north-northeast at 15 mph (24 kph)

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

RADIUS OF TROPICAL STORM-FORCE WINDS: 115 miles (185 kilometers)

MINIMUM CENTRAL PRESSURE: 1003 millibars

SAFFIR-SIMPSON SCALE RANKING*: Tropical Storm

2nd U.S. LANDFALL LOCATION: near Cedar Key, Florida

2nd U.S. LANDFALL TIMEFRAME: 04:00 AM local time November 12 (09:20 UTC)

2nd U.S. LANDFALL INTENSITY: 50 mph (85 kph) – Tropical Storm

1st U.S. LANDFALL LOCATION: Lower Matecumbe Key, Florida (United States)

1st U.S. LANDFALL TIMEFRAME: approximately 11:00 PM local time Nov. 8 (04:00 UTC Nov. 9)

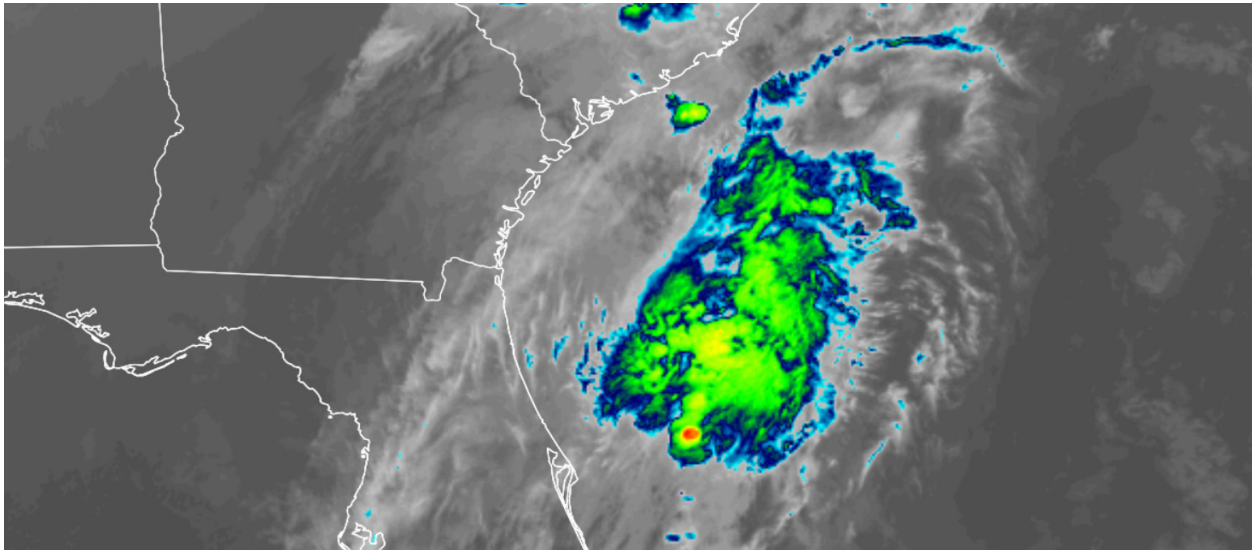
1st U.S. LANDFALL INTENSITY: 65 mph (100 kph) – Tropical Storm

CUBA LANDFALL LOCATION: Sancti Spiritus Province, Cuba

CUBA LANDFALL TIMEFRAME: approximately 4:00 AM local time Nov. 8 (09:00 UTC)

CUBA LANDFALL INTENSITY: 65 mph (100 kph) – Tropical Storm

Latest Satellite Picture



Source: NOAA / NASA / Colorado State University (RAAMB)

Discussion

Tropical Storm Eta, located approximately 10 miles (15 kilometers) southwest of Jacksonville, Florida, is currently tracking north-northeast at 15 mph (24 kph). The center of Eta made landfall near Cedar Key, Florida with an estimated intensity of 50 mph (85 kph). Since that time, the center of Eta has moved across the northern portion of the Florida peninsula. Some weakening has occurred, but the NHC notes that the observations along and just off the northeast Florida coast continue to support an initial intensity of 45 mph (75 kph). Little change in strength is expected when Eta moves over the western Atlantic tonight and early Friday due to moderate to strong southwesterly wind shear. Some of the forecast models indicate that Eta could strengthen after it merges with a frontal zone and becomes extratropical well offshore of the east coast of the United States late Friday and Friday night. The NHC forecast calls for some slight intensification of the extratropical cyclone before it is absorbed by a large low-pressure area over the western Atlantic on Saturday.

Eta is moving northeastward, and it should continue to accelerate northeastward over the next day or so within the mid-latitude westerlies, ahead of a trough that will move across the Great Lakes region on Friday. The new official NHC forecast is again a little faster than the previous NHC track, but the latest guidance did not require much cross-track change.

Deep-layer moisture from that has spread northward along a frontal boundary across the Carolinas is producing heavy rainfall and flash flooding that is not directly associated with Eta.

Key Messages from the National Hurricane Center

1. Tropical-storm-force winds are expected in the warning area along portions of the northeast Florida Coast through early this afternoon.
2. Localized bands of heavy rainfall will continue to impact portions of the Florida Peninsula today, resulting in isolated flash and urban flooding, especially across previously inundated areas. Minor river flooding is expected across portions of West Florida lasting into the weekend.

Additional Information

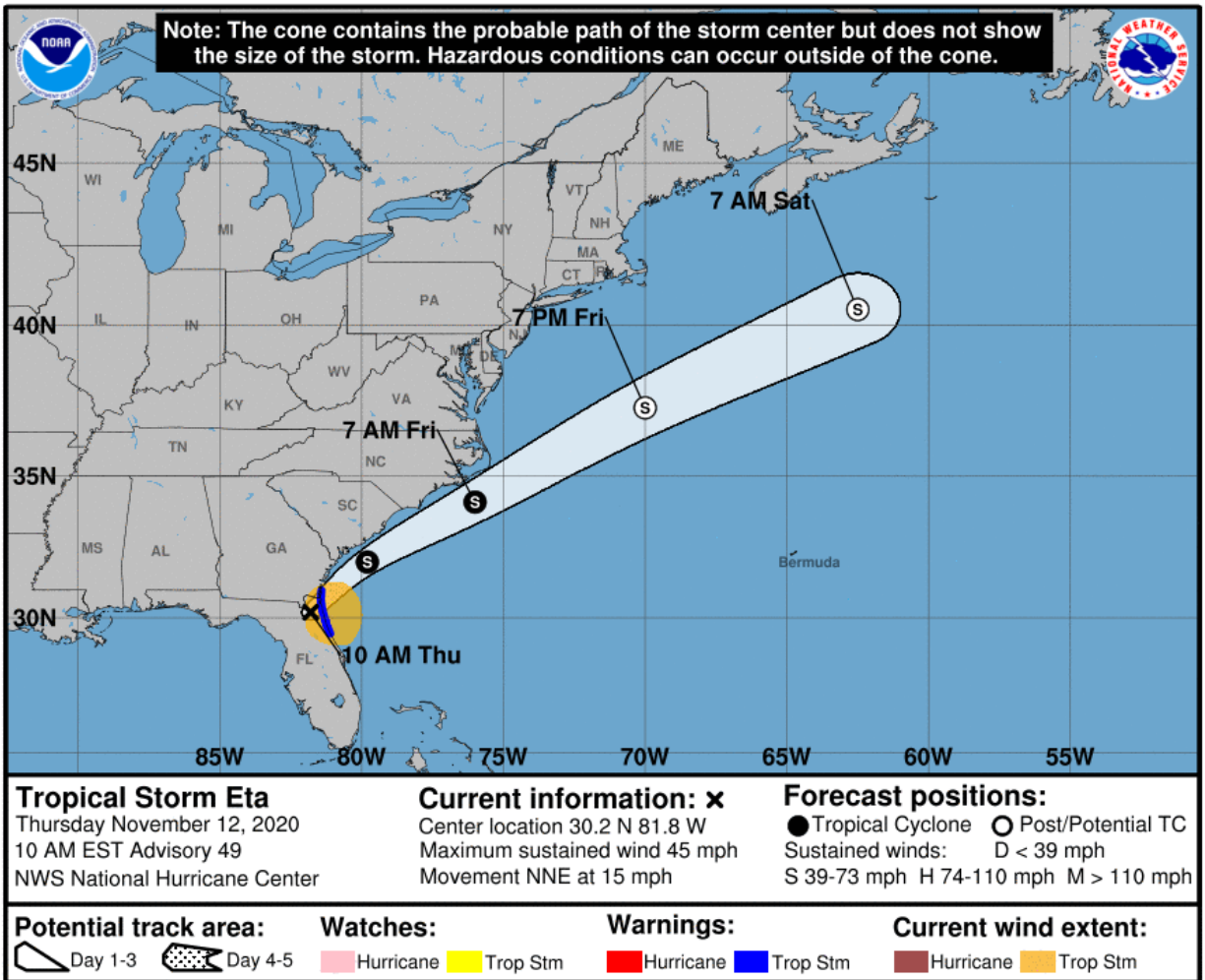
RAINFALL: Eta will produce an additional 1 to 3 inches of rain across portions of the Florida Peninsula through today, with isolated maximum storm total accumulations of 20 to 25 inches in South Florida.

Localized flash and urban flooding will be possible across the Florida Peninsula today, especially across previously inundated areas. Minor river flooding is expected across portions of West Florida lasting into the weekend.

WIND: Tropical storm conditions are expected in the Tropical Storm Warning area along the east coast of Florida through early this afternoon.

SURF: Swells generated by Eta are expected to affect the Florida Gulf Coast today, and begin to affect portions of the coast of the southeastern United States later today. These swells are likely to cause life-threatening surf and rip current conditions.

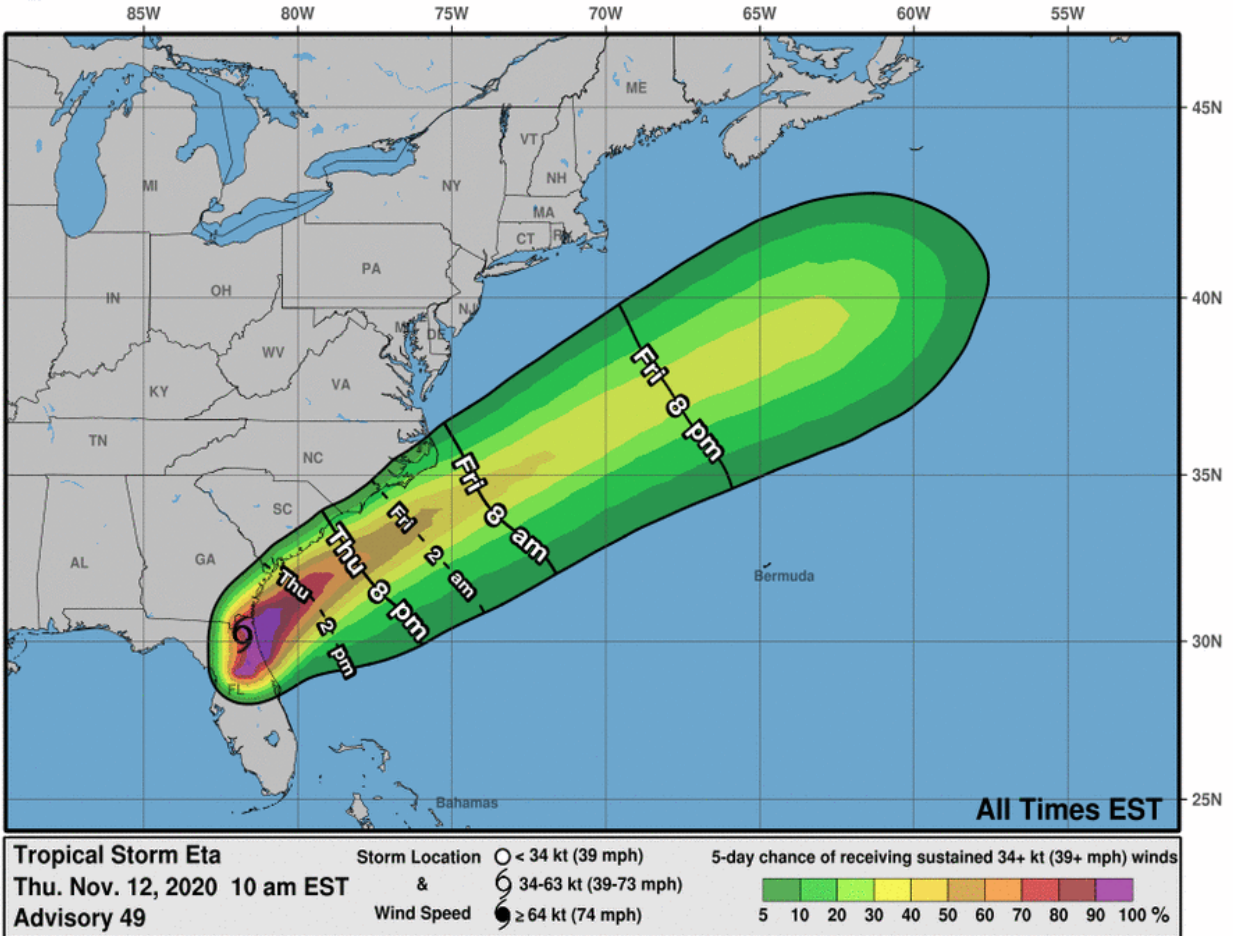
National Hurricane Center (NHC) Forecast



Most Likely Arrival Time of Tropical Storm-Force Winds

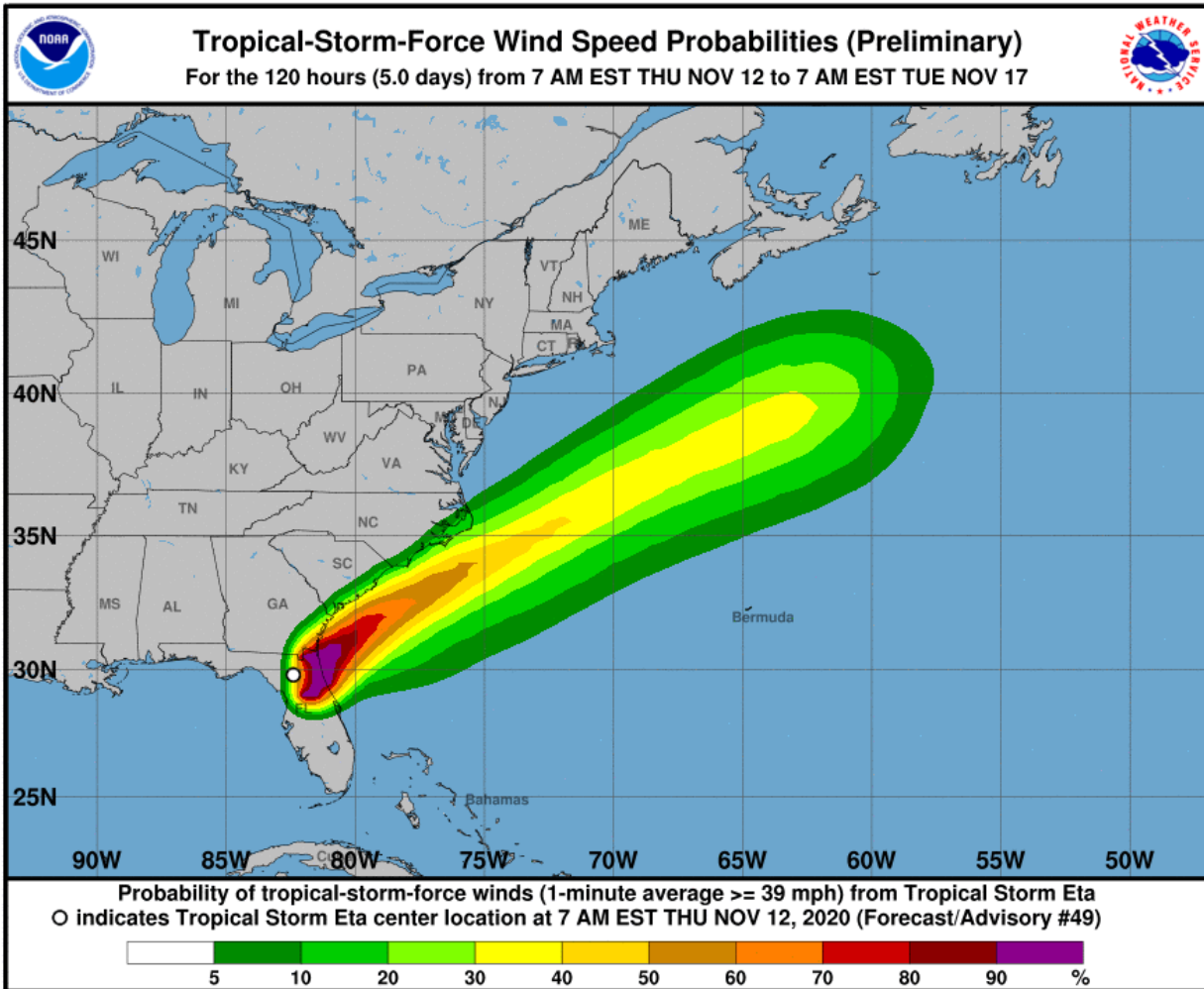


Most Likely Arrival Time of Tropical Storm-Force Winds

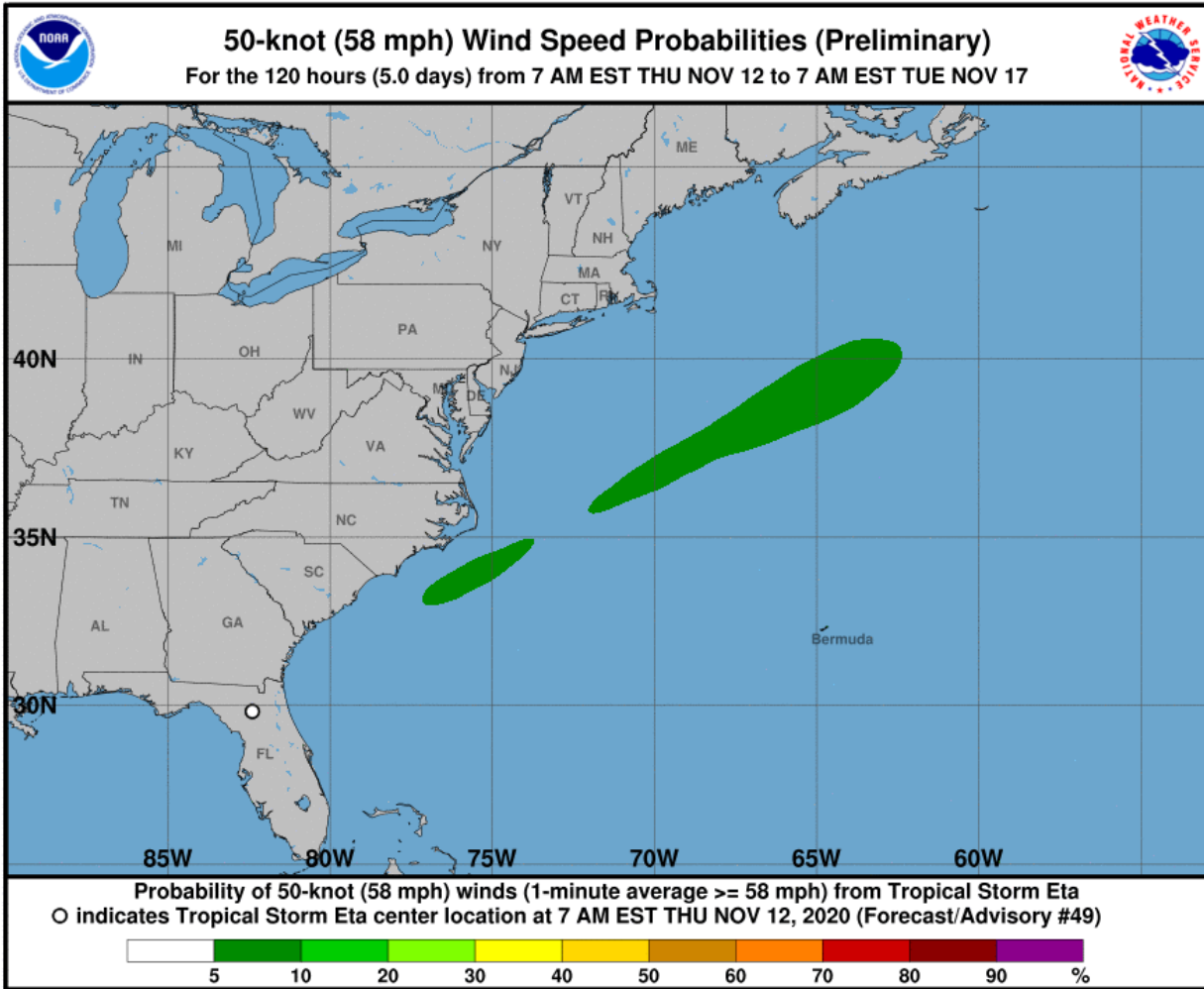


National Hurricane Center: Wind Speed Probabilities

Tropical Storm-Force Wind Probabilities (≥ 40 mph (65 kph))



Wind Probabilities (≥ 60 mph (95 kph))



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

NEXT CAT ALERT: Since landfall has occurred and rapid weakening will continue, this is the final Cat Alert. Full details can be found in this week's Weekly Cat Report.

*Tropical Cyclone Intensity Classifications for Global Basins

WIND SPEED			BASINS AND MONITORING BUREAU						
KTS ¹	MPH ¹	KPH ¹	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							
130	150	240	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
135	155	250							
140	160	260							
>140	>160	>260	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

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 2020. 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.

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.