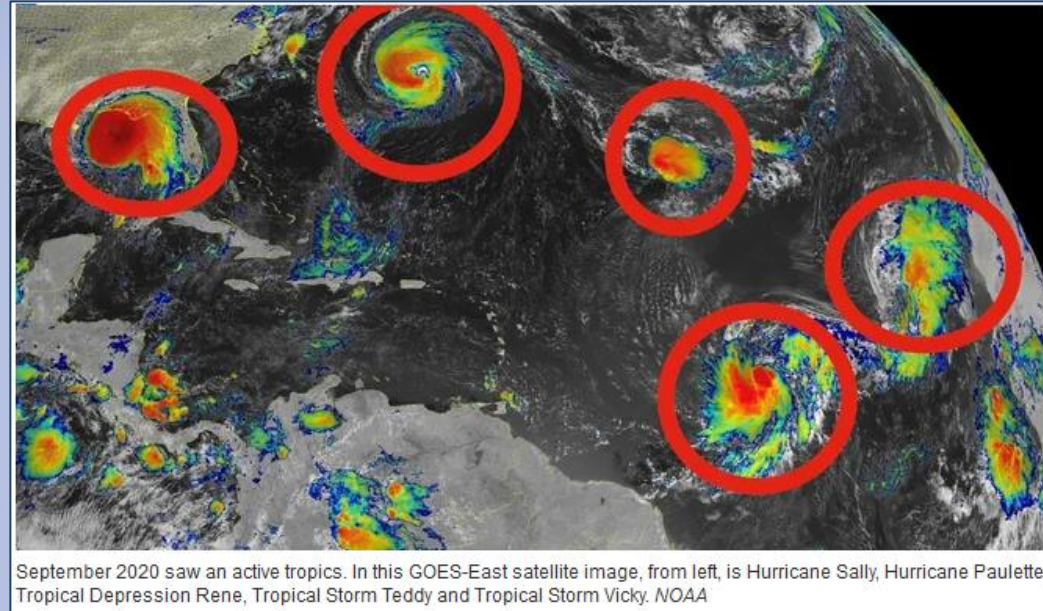


What's New for the 2021 Atlantic Hurricane Season!



September 2020 saw an active tropics. In this GOES-East satellite image, from left, is Hurricane Sally, Hurricane Paulette, Tropical Depression Rene, Tropical Storm Teddy and Tropical Storm Vicky. NOAA

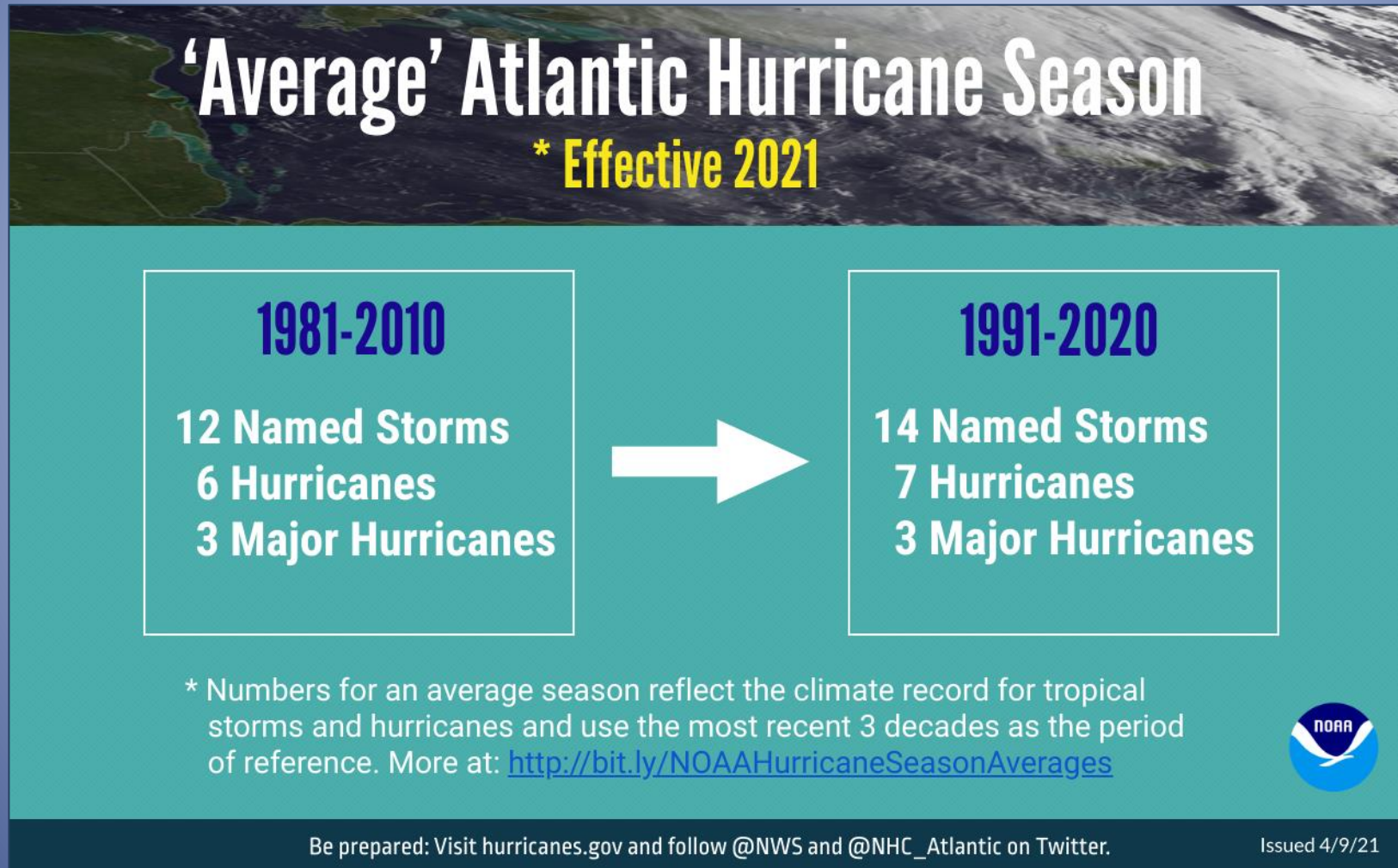
Virginia Enzor

NC Deputy AUXCOMM Coordinator

Central Carolina SKYWARN Emergency Coordinator

'Average' Atlantic hurricane season to reflect more storms

Higher averages based on most recent 30-year climate record



Atlantic Basin Hurricane Outlook 2021

CSU HURRICANE SEASON OUTLOOK		
PREDICTION		AVERAGE
17	NAMED STORMS	12
8	HURRICANES	6
4	MAJOR HURRICANES	3

The Colorado State University seasonal tropical forecast for the Atlantic basin, led by Dr. Phil Klotzbach, often offers an early glimpse at how the upcoming hurricane season could lean.

“Old Average”



https://spectrumlocalnews.com/nc/triangle-sandhills/weather/2021/04/07/hurricane-season-forecast--?cid=share_fb

NC State researchers also predict active 2021 Hurricane Season.

Atlantic Basin (Atlantic Ocean, Gulf of Mexico & Caribbean Sea)

15-18 Named Storms

7-9 Hurricanes

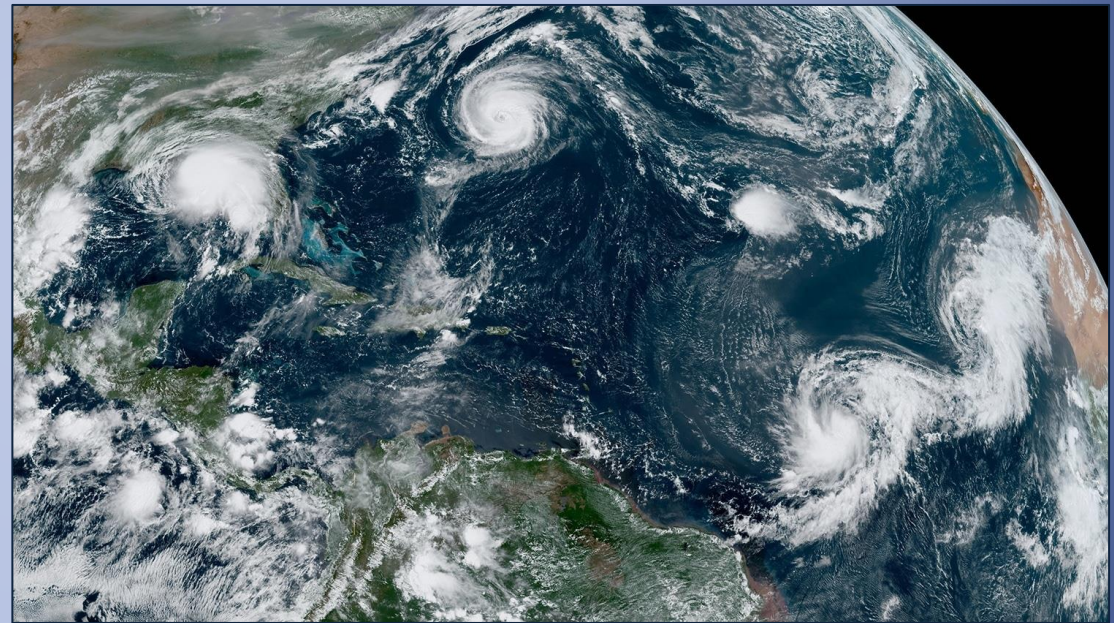
2-3 Major Hurricanes

Gulf of Mexico

3-5 Named Storms

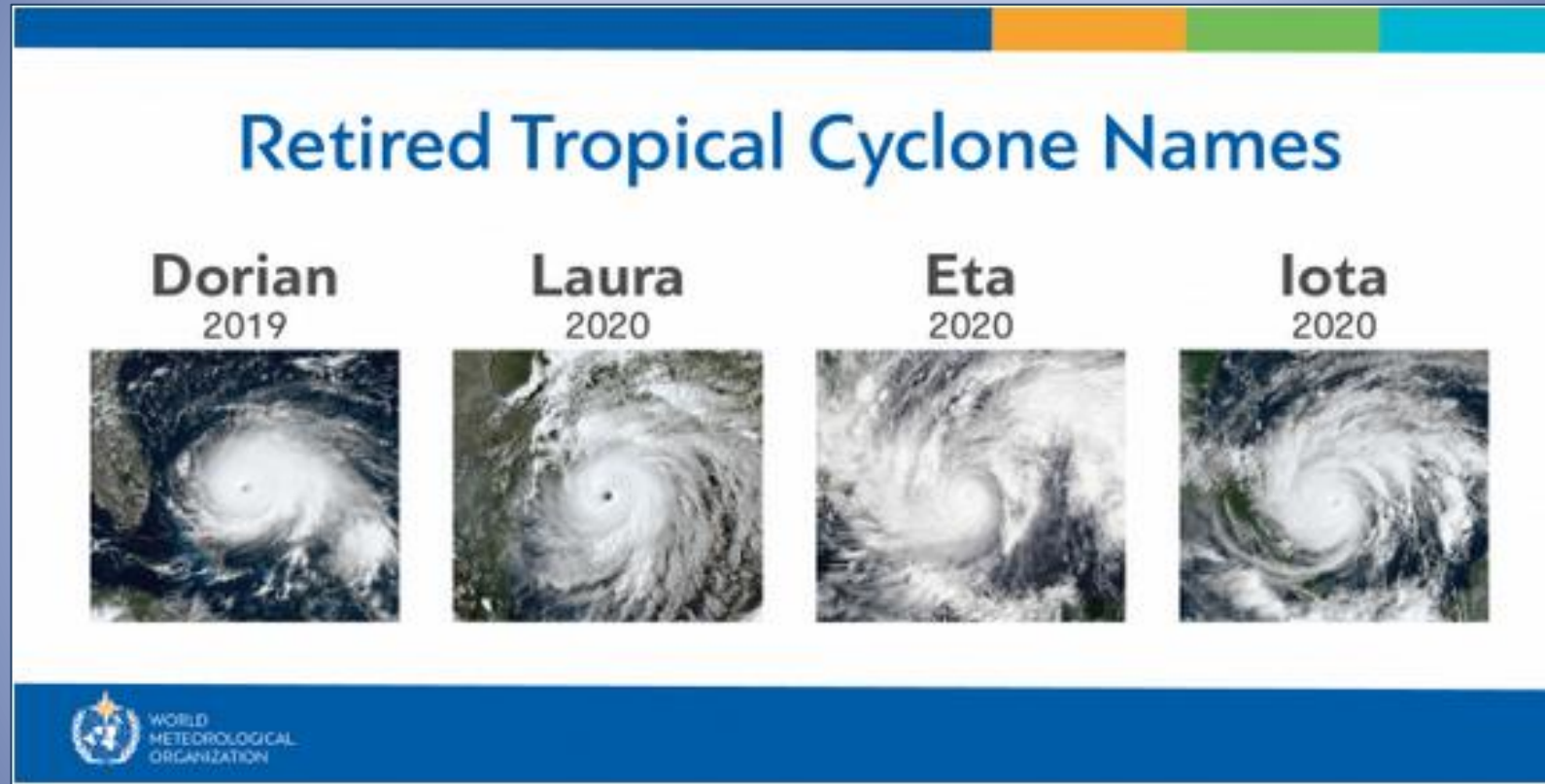
2-4 Hurricanes

1 Major Hurricane



<https://news.ncsu.edu/2021/04/2021-hurricane-season-will-be-active/#:~:text=The%202021%20Atlantic%20hurricane%20season,at%20North%20Carolina%20State%20University.&text=The%20number%20of%20named%20storms,atmospheric%20sciences%20at%20NC%20State.>

Retired Hurricane Names



<https://public.wmo.int/en/media/press-release/wmo-hurricane-committee-retires-tropical-cyclone-names-and-ends-use-of-greek>

No More Greek Names & Pronunciation Guides!

Supplemental list of names of tropical cyclones to be used in the event that regular rotating lists are exhausted and in lieu of the Greek Alphabet

2021 HURRICANE NAMES

- | | | |
|-------------|------------|----------|
| • ANA | • HENRI | • ODETTE |
| • BILL | • IDA | • PETER |
| • CLAUDETTE | • JULIAN | • ROSE |
| • DANNY | • KATE | • SAM |
| • ELSA | • LARRY | • TERESA |
| • FRED | • MINDY | • VICTOR |
| • GRACE | • NICHOLAS | • WANDA |

2021 SUPPLEMENTAL HURRICANE NAMES

- | | | |
|-----------|-----------|------------|
| • ADRIA | • HEATH | • ORLANDA |
| • BRAYLEN | • ISLA | • PAX |
| • CARIDAD | • JACOBUS | • RONIN |
| • DESHAWN | • KENZIE | • SOPHIE |
| • EMERY | • LUCIO | • TAYSHAUN |
| • FOSTER | • MAKAYLA | • VIVIANA |
| • GEMMA | • NOLAN | • WILL |

<https://laltoday.6amcity.com/meet-pax-will-gemma-2021-supplemental-hurricane-names-announced-%F0%9F%8C%80/>

Pronunciation guides for storm names including the phonetic pronunciations of all Atlantic and eastern North Pacific storm names is found on the NHC website at:

Atlantic: www.nhc.noaa.gov/pdf/aboutnames_pronounce_atlc.pdf

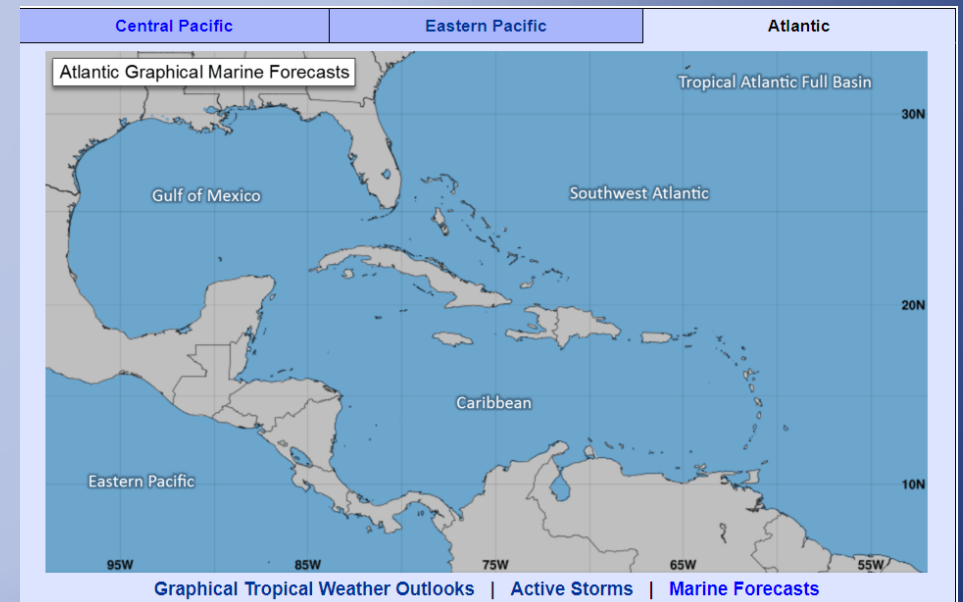
Eastern North Pacific: www.nhc.noaa.gov/pdf/aboutnames_pronounce_epac.pdf

Issuance of Routine Atlantic Tropical Weather Outlooks beginning May 15!

Although the Atlantic Hurricane season officially begins on June 1st, it is not uncommon for tropical cyclones to form on or prior to that date. To provide more consistent information on the potential for late May and early June systems, NHC will now begin the routine issuance of the Atlantic Tropical Weather Outlook at 8 a.m. EDT on May 15.

The Tropical Weather Outlook is issued every six hours from May 15 through November 30 at 2 a.m., 8 a.m., 2 p.m., and 8 p.m. EDT.

An accompanying graphic that highlights each disturbance and its potential formation area is available on the NHC website at www.hurricanes.gov.

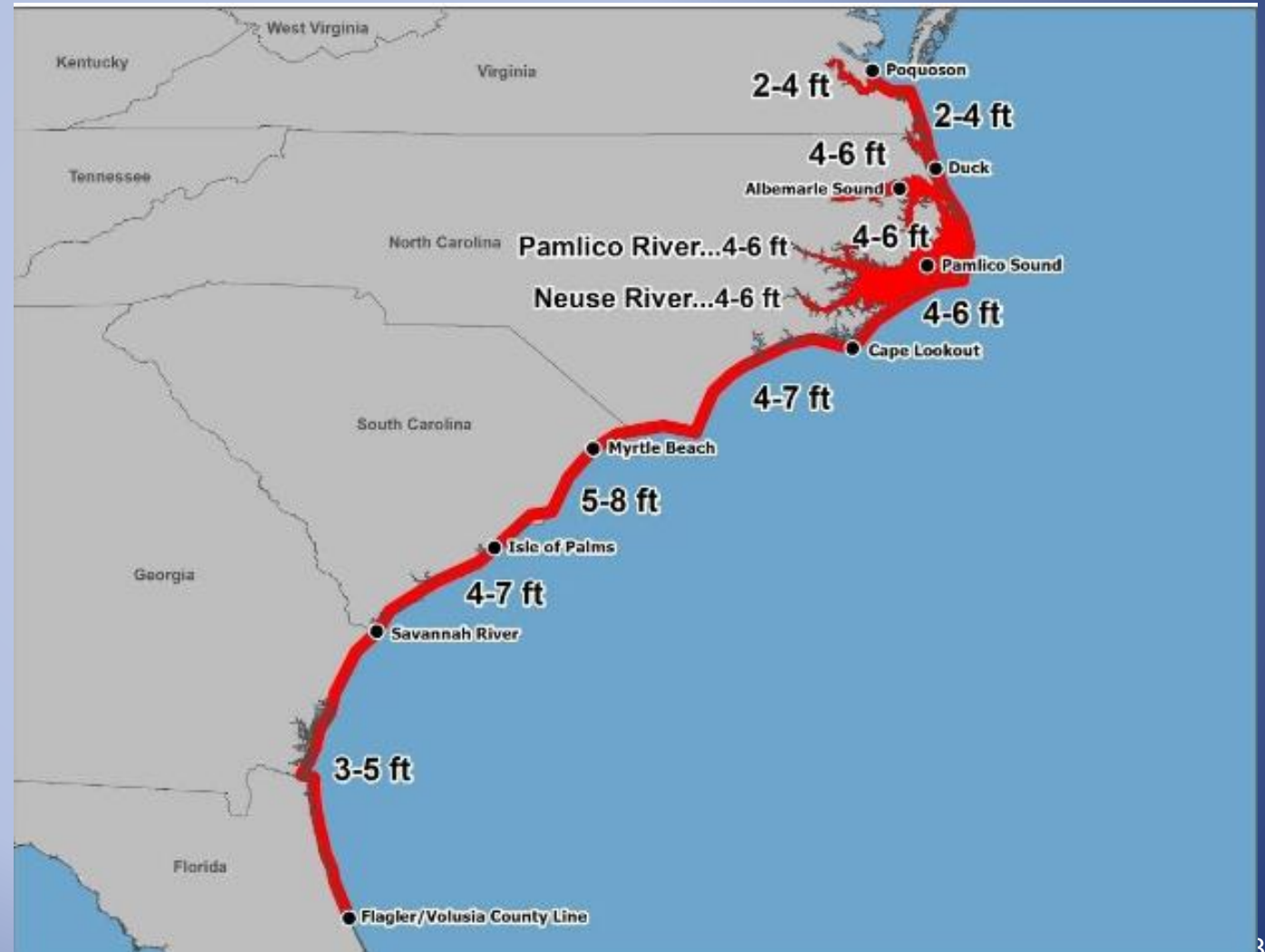


Continuation of an experimental graphical depiction of storm surge inundation values

Graph depicts the expected storm surge inundation values

Value represents peak height the water could reach above normally dry ground somewhere within the specified areas.

Graphic is available on the NHC webpage.



Drones that hunt hurricanes – testing underway



<https://www.noaa.gov/stories/drones-hunt-hurricanes-noaa-puts-some-to-test>

NOAA conducted new testing in early January 2021.

Drones fly where hurricane hunter airplanes cannot.

Can fly up to 4 hours and up to 265 miles from point of launch.

Meteorologists could use data to help make evacuation decisions.

NOAA NHC Hurricane Awareness Webinars

- 1) Post-storm damage assessments: documenting high water marks from storm surge impacts
Date: Monday, May 17, 2021
Time and duration: 1-2 PM ET (1 hour duration)
- 2) Marine navigation and forecasting during hurricane events
Date: Monday, May 24, 2021
Time and duration: 1-2 PM ET (1 hour duration)
- 3) How good was the forecast? Hurricane forecast and model verification
Date: Thursday, May 27, 2021
Time and duration: 1-2 PM ET (1 hour duration)
- 4) Collaborations across NOAA: An overview of the Weather Prediction Center & the NWS
Date: Thursday, June 3, 2021
Time and duration: 1-2 PM ET (1 hour duration)

Visit <https://www.noaa.gov/regions/2021-hurricane-awareness-webinars> for more information and registration links.

Questions?

Sources:

NOAA

<https://www.noaa.gov/media-release/average-atlantic-hurricane-season-to-reflect-more-storms>

<https://www.noaa.gov/stories/drones-hunt-hurricanes-noaa-puts-some-to-test>

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<https://spectrumlocalnews.com/nys/ HUDSON-VALLEY/weather/2021/01/26/using-drones-to-hunt-hurricanes>

World Meteorological Organization

<https://public.wmo.int/en/media/press-release/wmo-hurricane-committee-retires-tropical-cyclone-names-and-ends-use-of-greek>

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<https://laltoday.6amcity.com/meet-pax-will-gemma-2021-supplemental-hurricane-names-announced-%F0%9F%8C%80/>

The Palm Beach Post

<https://www.palmbeachpost.com/story/news/2021/03/26/no-el-nino-could-mean-more-hurricanes-season/6962989002/>

National Weather Service

<https://www.weather.gov/wrn/hurricane-preparedness>

NCSU

[https://news.ncsu.edu/2021/04/2021-hurricane-season-will-be-](https://news.ncsu.edu/2021/04/2021-hurricane-season-will-be-active/#:~:text=The%202021%20Atlantic%20hurricane%20season,at%20North%20Carolina%20State%20University.&text=The%20number%20of%20named%20storms,atmospheric%20sciences%20at%20NC%20State.)

[active/#:~:text=The%202021%20Atlantic%20hurricane%20season,at%20North%20Carolina%20State%20University.&text=The%20number%20of%20named%20storms,atmospheric%20sciences%20at%20NC%20State.](https://news.ncsu.edu/2021/04/2021-hurricane-season-will-be-active/#:~:text=The%202021%20Atlantic%20hurricane%20season,at%20North%20Carolina%20State%20University.&text=The%20number%20of%20named%20storms,atmospheric%20sciences%20at%20NC%20State.)

National Hurricane Center

https://www.nhc.noaa.gov/pdf/NHC_new_products_services_2021.pdf