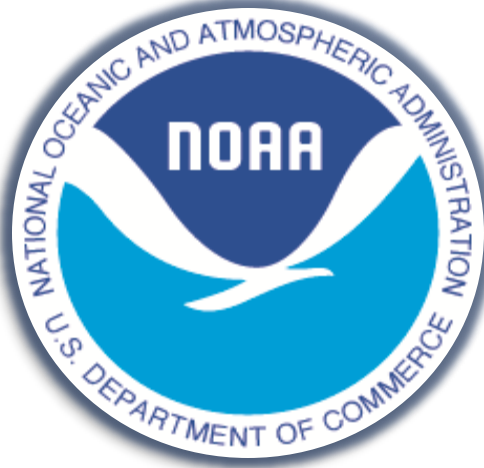


# ICWP Conference 2019



## Extreme Weather of 2019 (and a little of 2018)

Todd Hamill – Service Coordination Hydrologist  
Southeast River Forecast Center



**October 10, 2019**



Weather Ready Nation

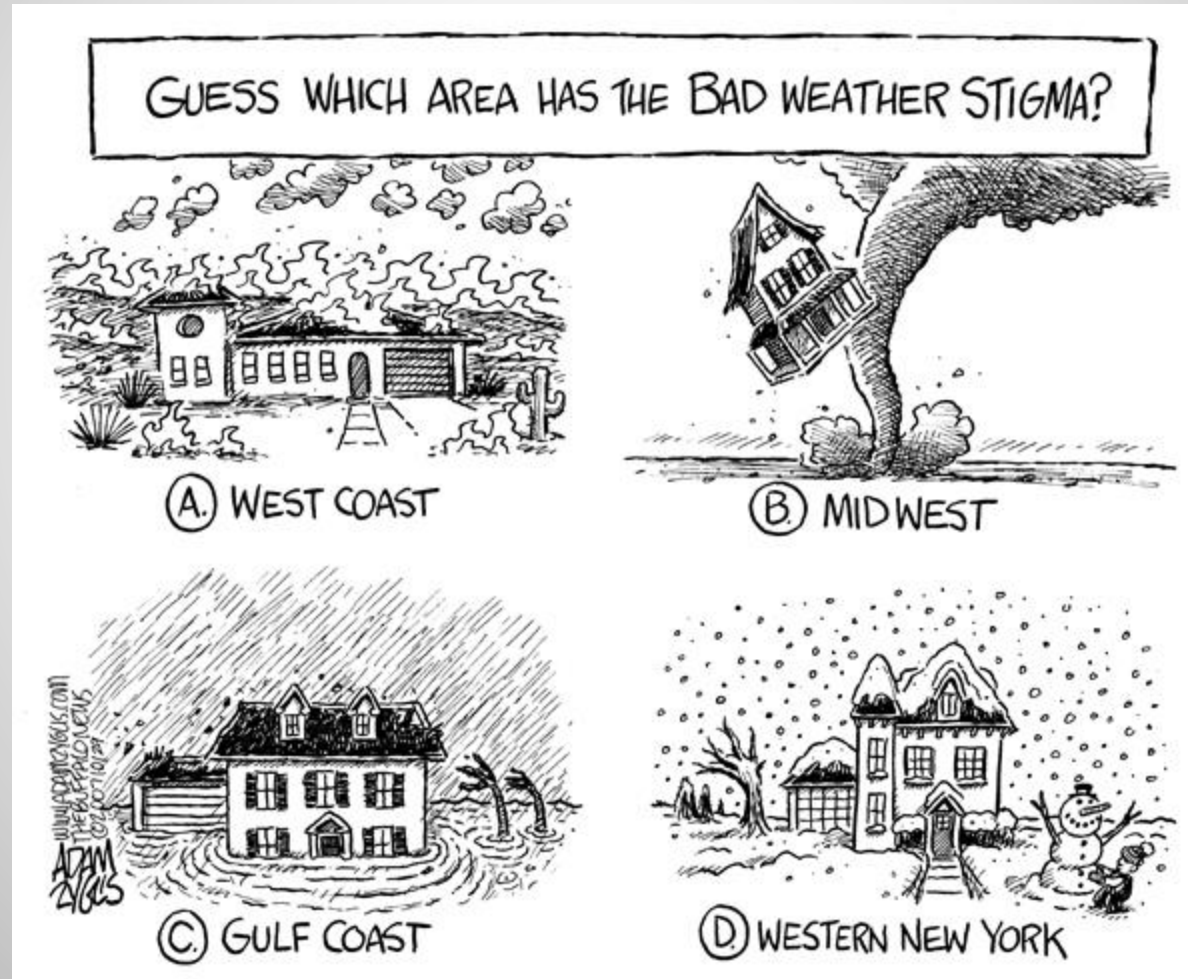


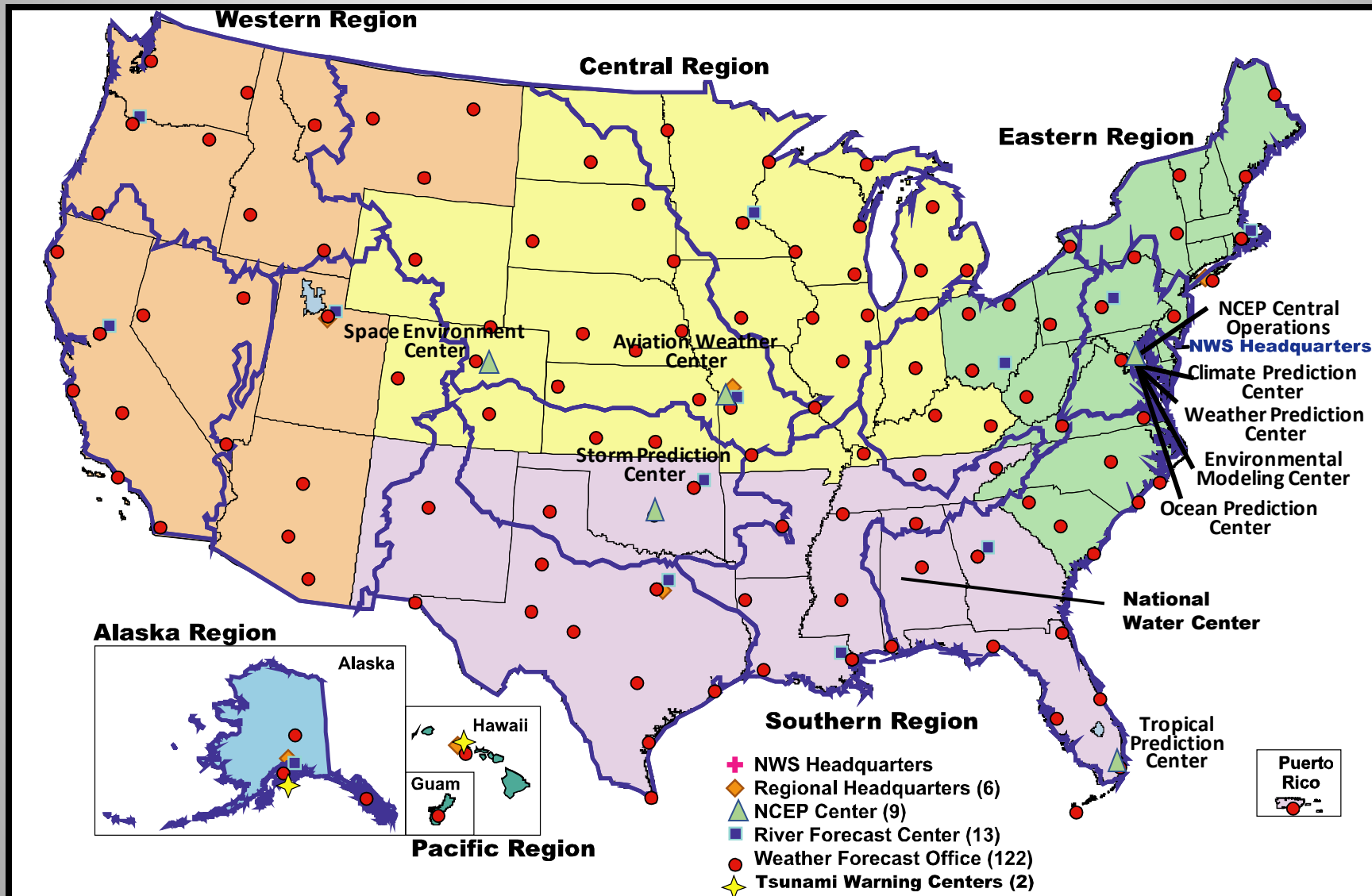
NWSSERFC



@NWSSERFC

# What region has the worst weather?

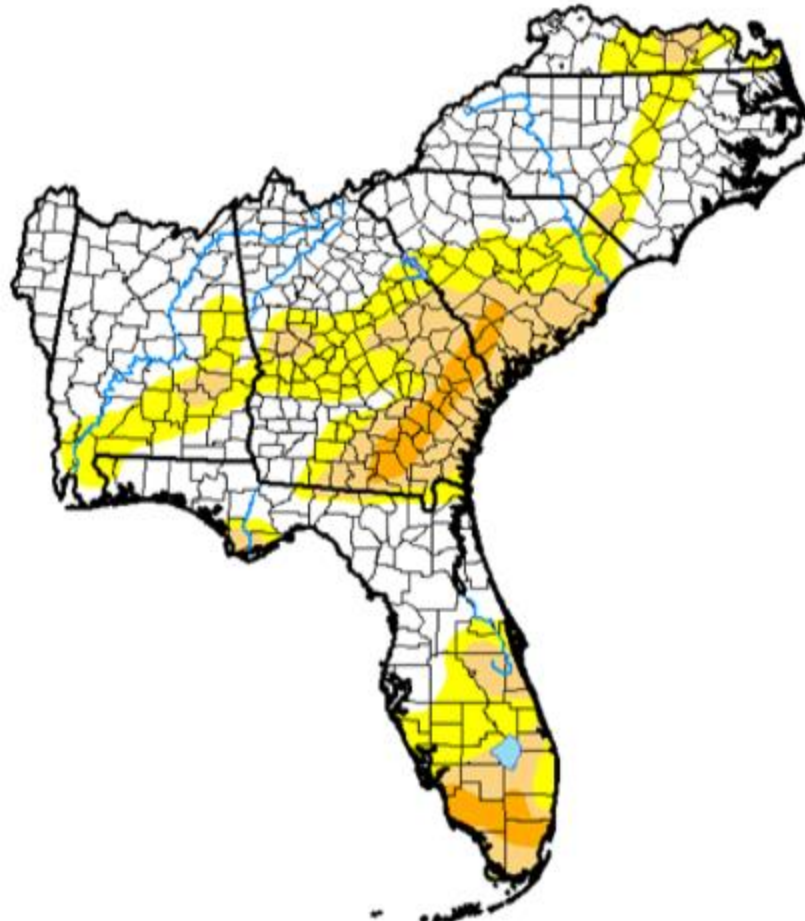








### U.S. Drought Monitor Southeast RFC



**April 24, 2018**

(Released Thursday, Apr. 26, 2018)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	57.68	42.32	18.67	4.20	0.00	0.00
<b>Last Week</b> 04-17-2018	51.71	48.29	25.92	8.09	0.00	0.00
<b>3 Months Ago</b> 01-23-2018	21.80	78.20	47.20	12.30	0.00	0.00
<b>Start of Calendar Year</b> 01-02-2018	26.42	73.58	34.56	0.11	0.00	0.00
<b>Start of Water Year</b> 09-26-2017	94.88	5.12	0.00	0.00	0.00	0.00
<b>One Year Ago</b> 04-25-2017	28.79	71.21	37.78	11.82	0.37	0.00

#### Intensity

<span style="background-color: yellow;">   </span> D0 Abnormally Dry	<span style="background-color: red;">   </span> D3 Extreme Drought
<span style="background-color: orange;">   </span> D1 Moderate Drought	<span style="background-color: darkred;">   </span> D4 Exceptional Drought
<span style="background-color: darkorange;">   </span> D2 Severe Drought	

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

#### Author

Brad Rippey  
U.S. Department of Agriculture



<http://droughtmonitor.unl.edu/>

# 30-day Departure from normal rainfall

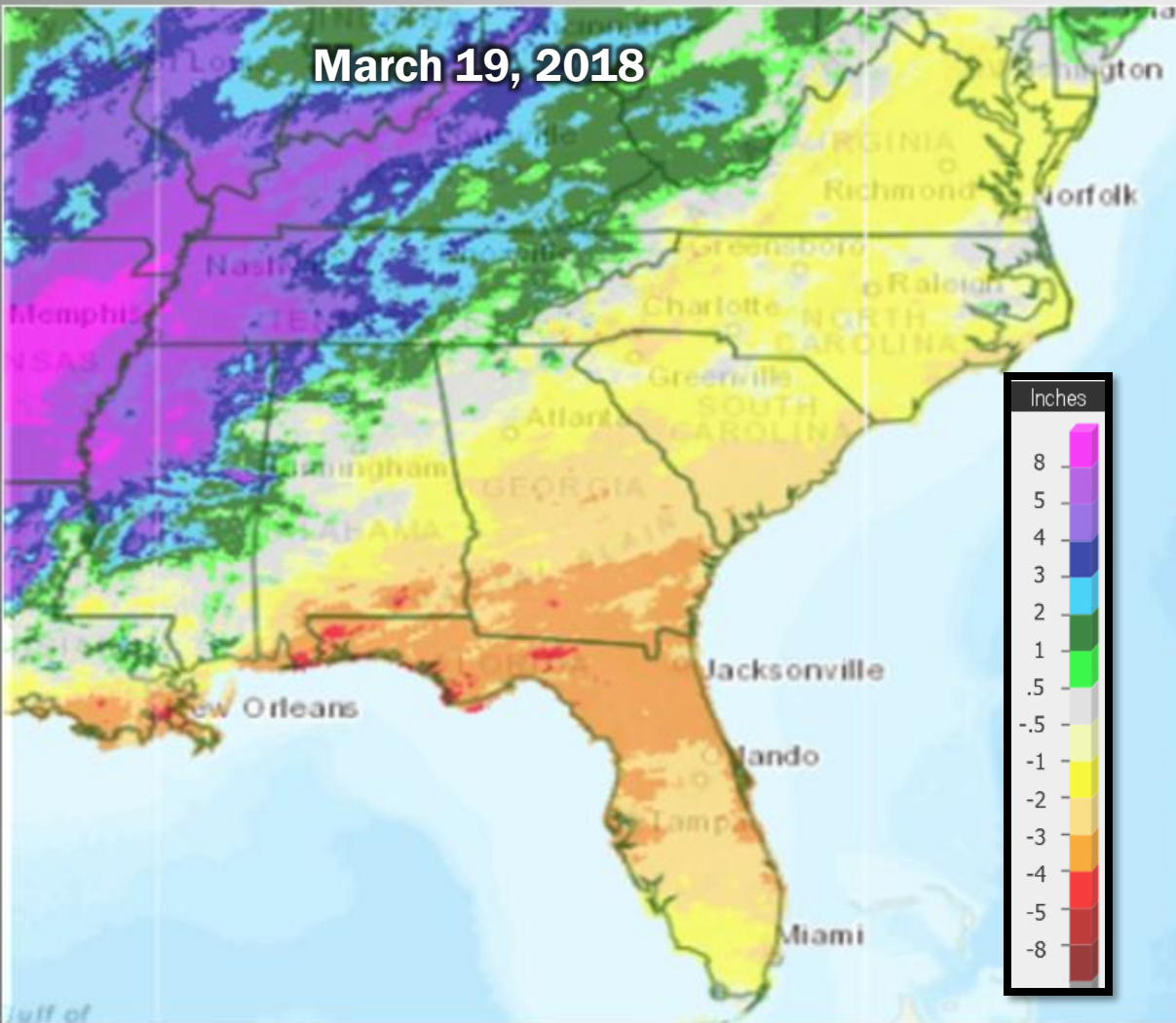
Southeast River Forecast Center

October 10, 2019

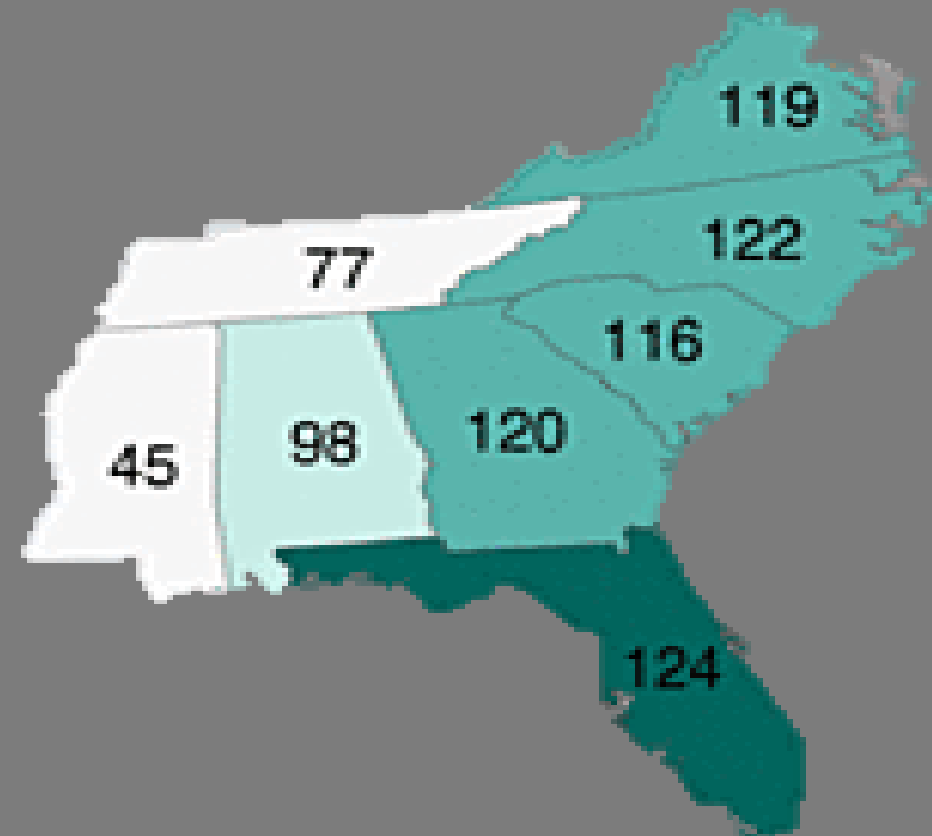
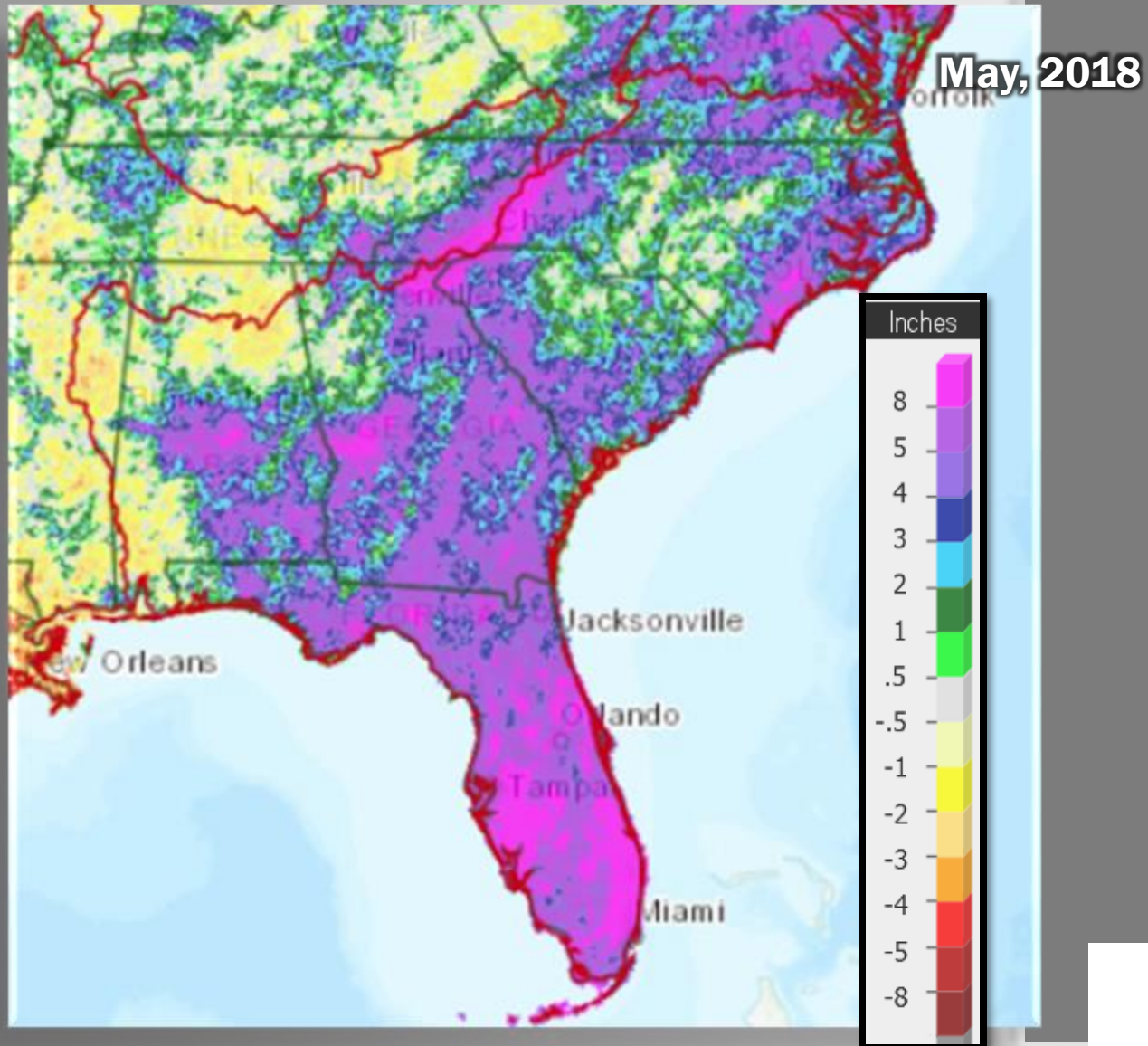


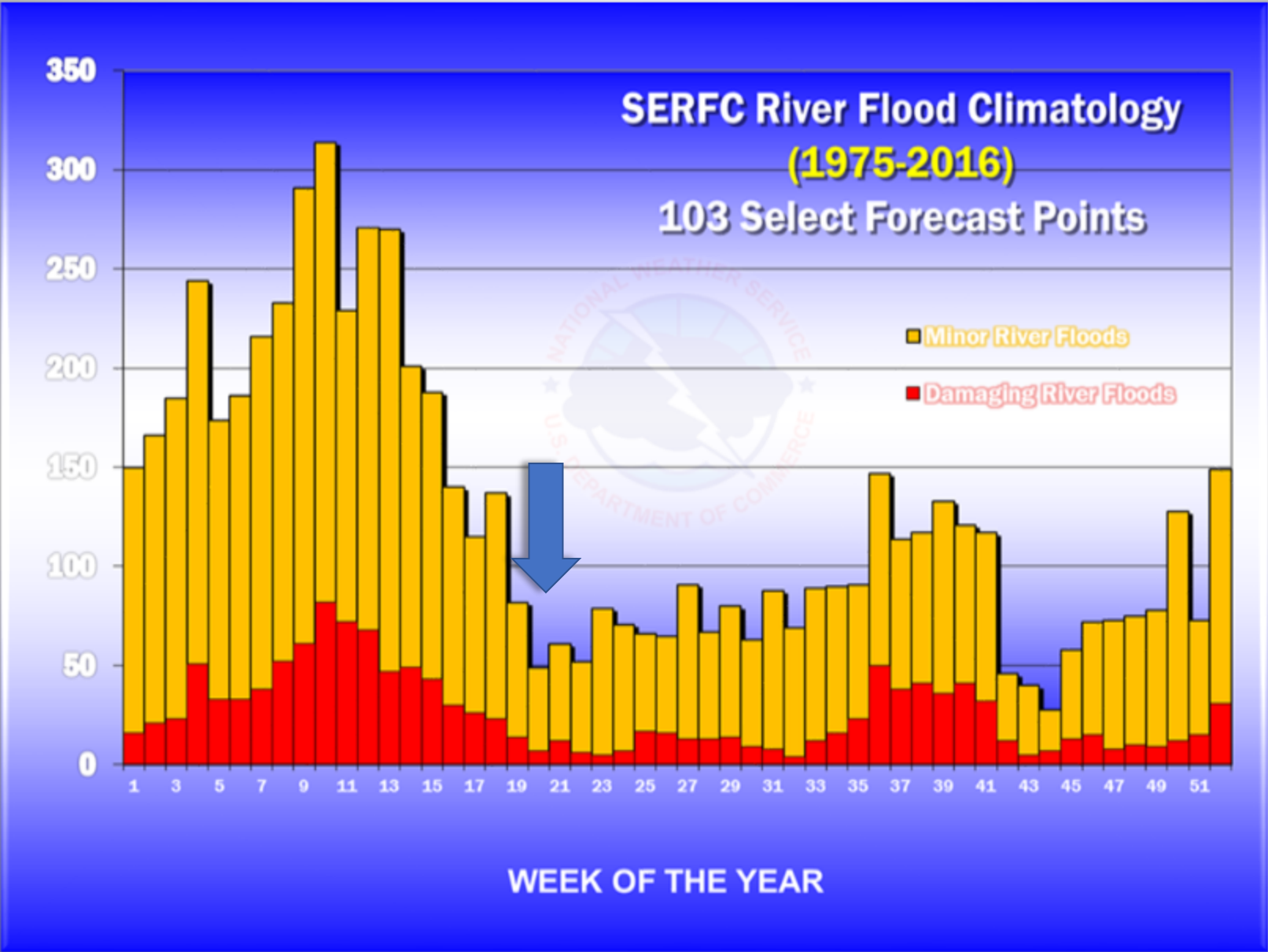
March 19, 2018

April 30, 2018





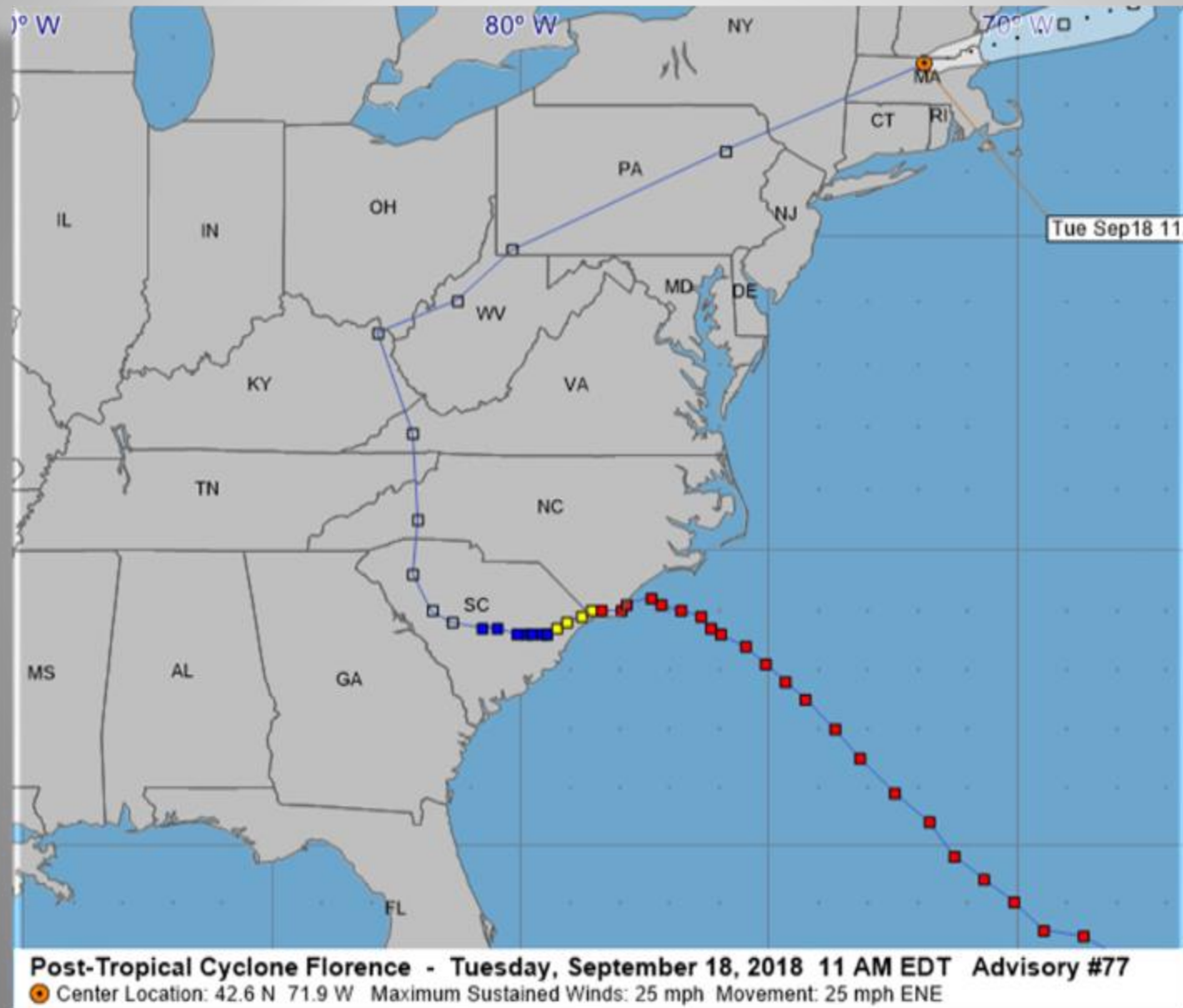




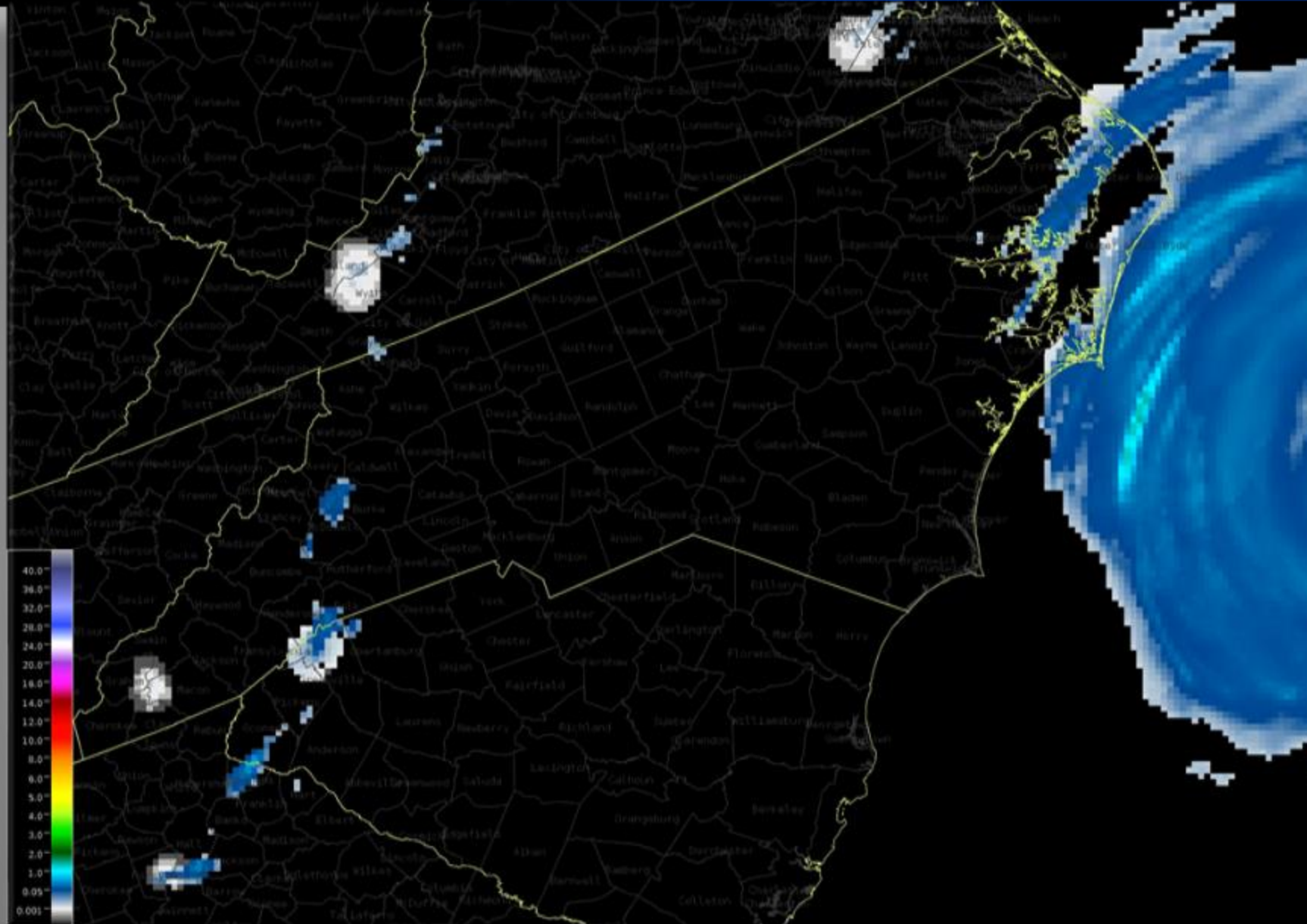
# Tropical Storm Florence Path

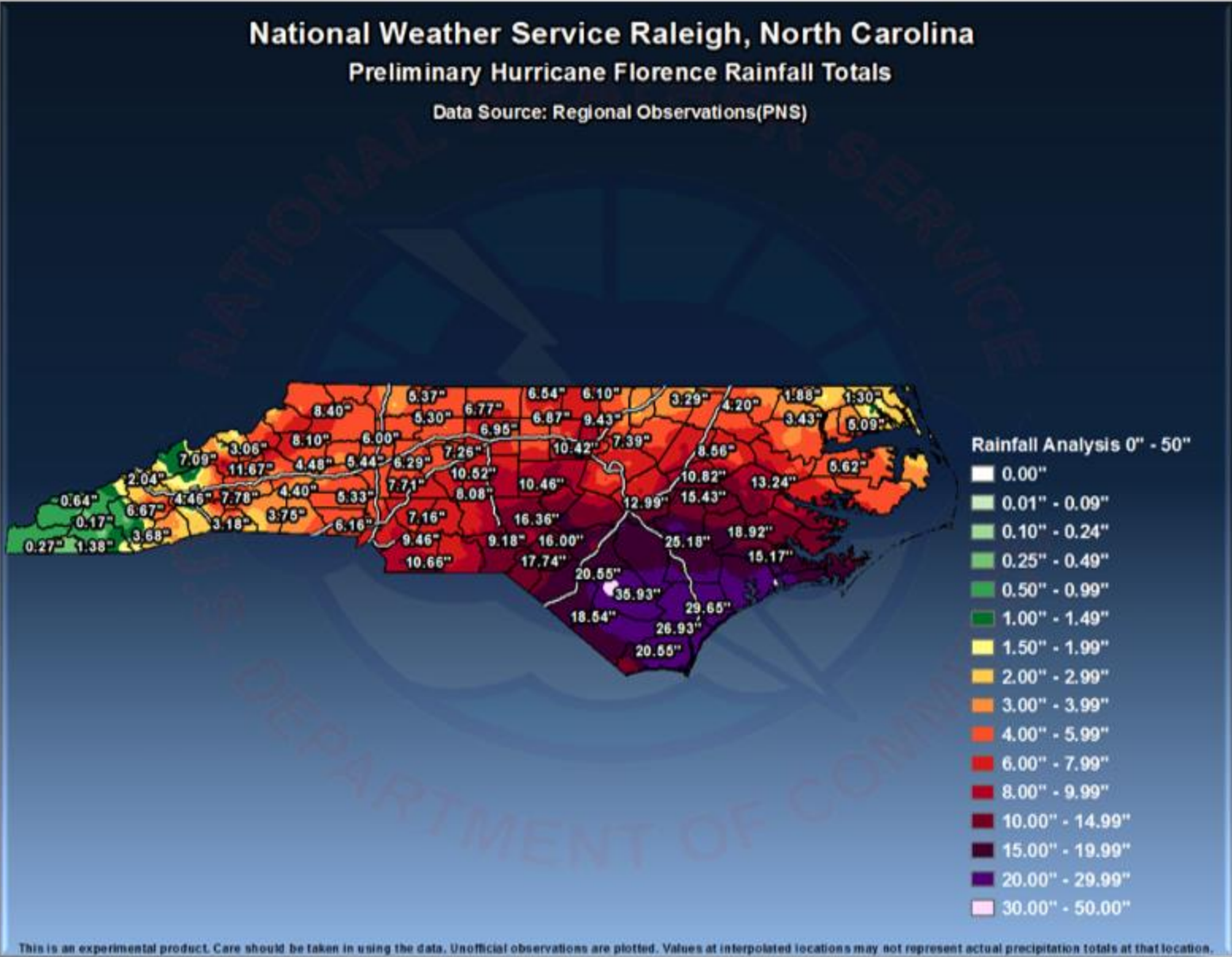
Southeast River Forecast Center

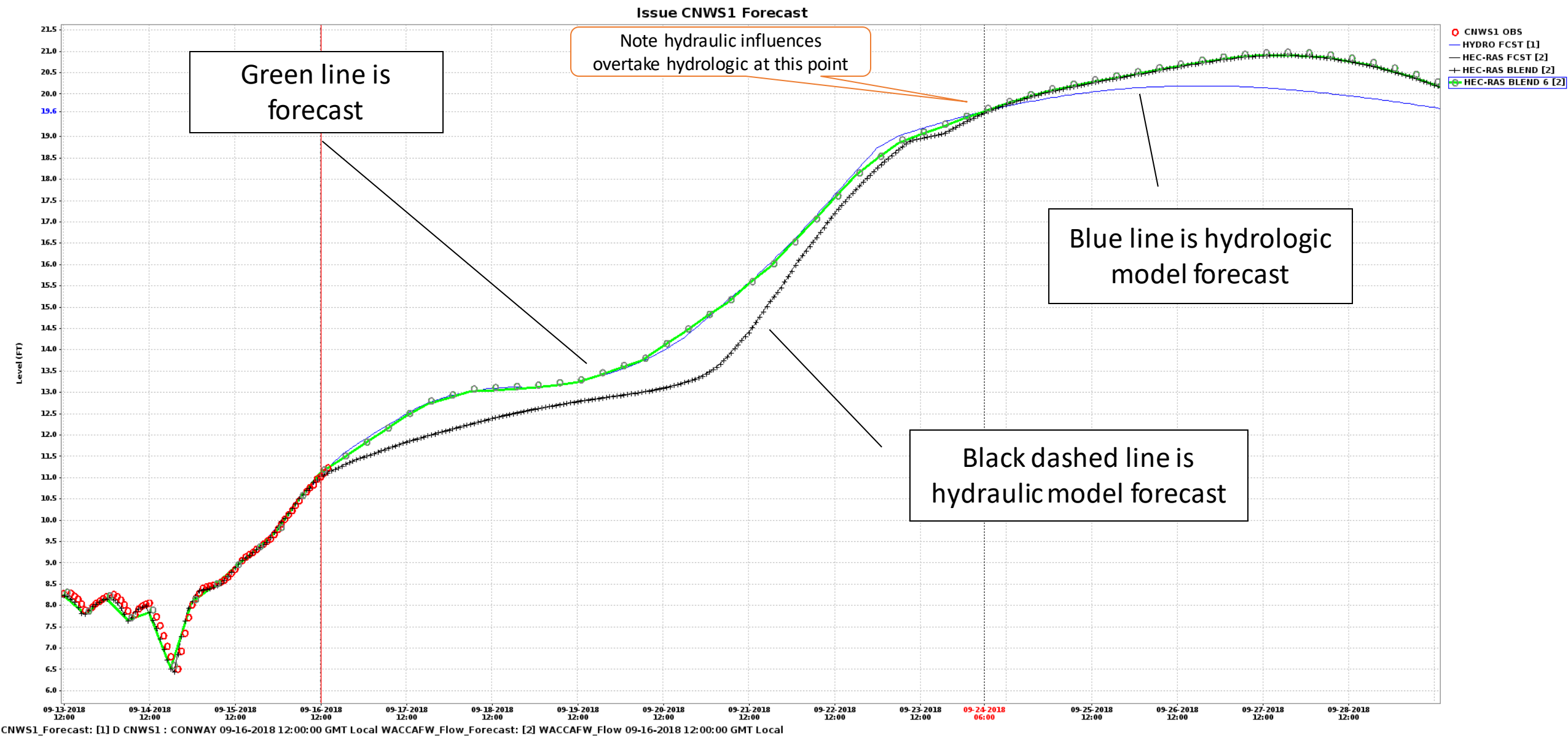
October 10, 2019



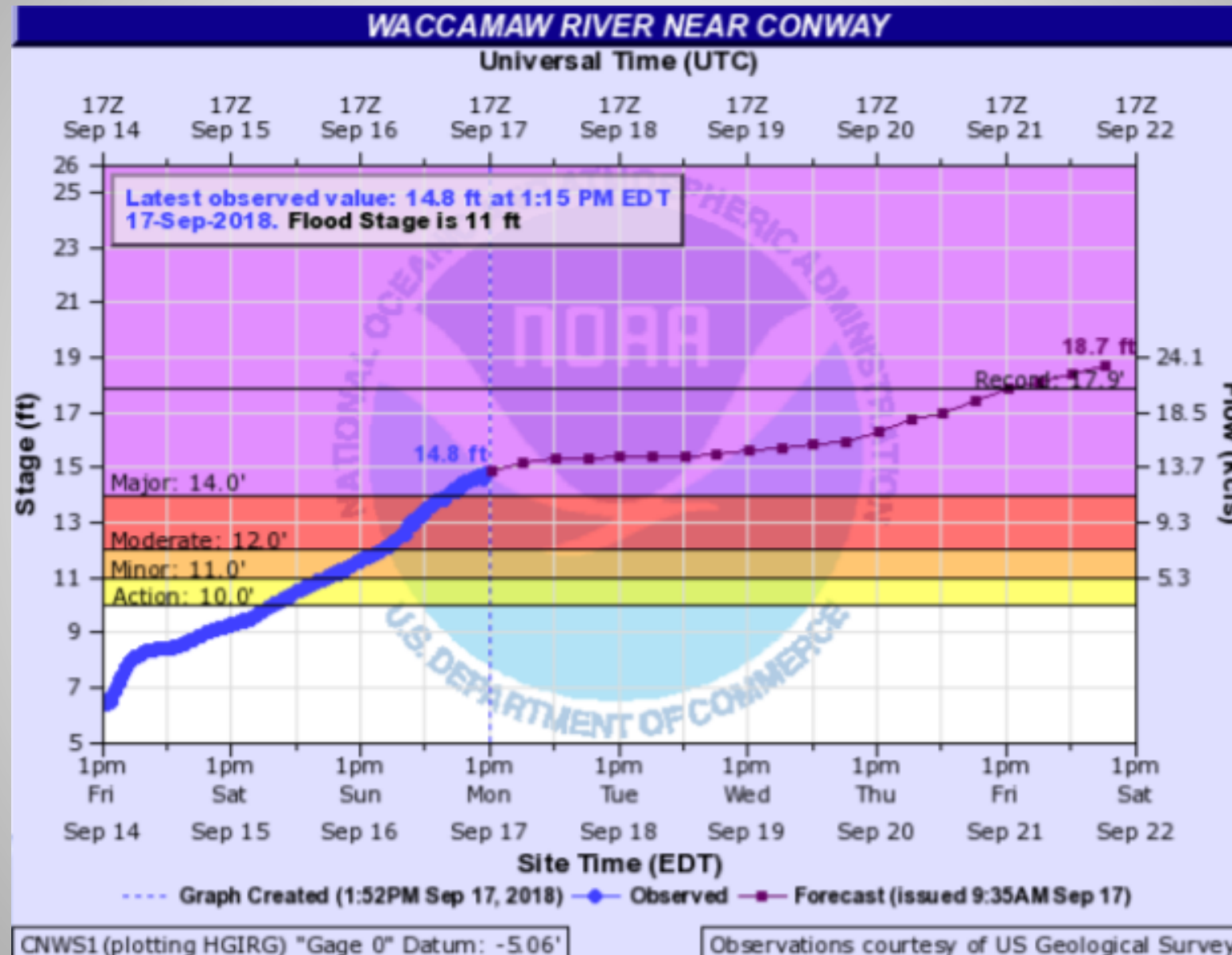
















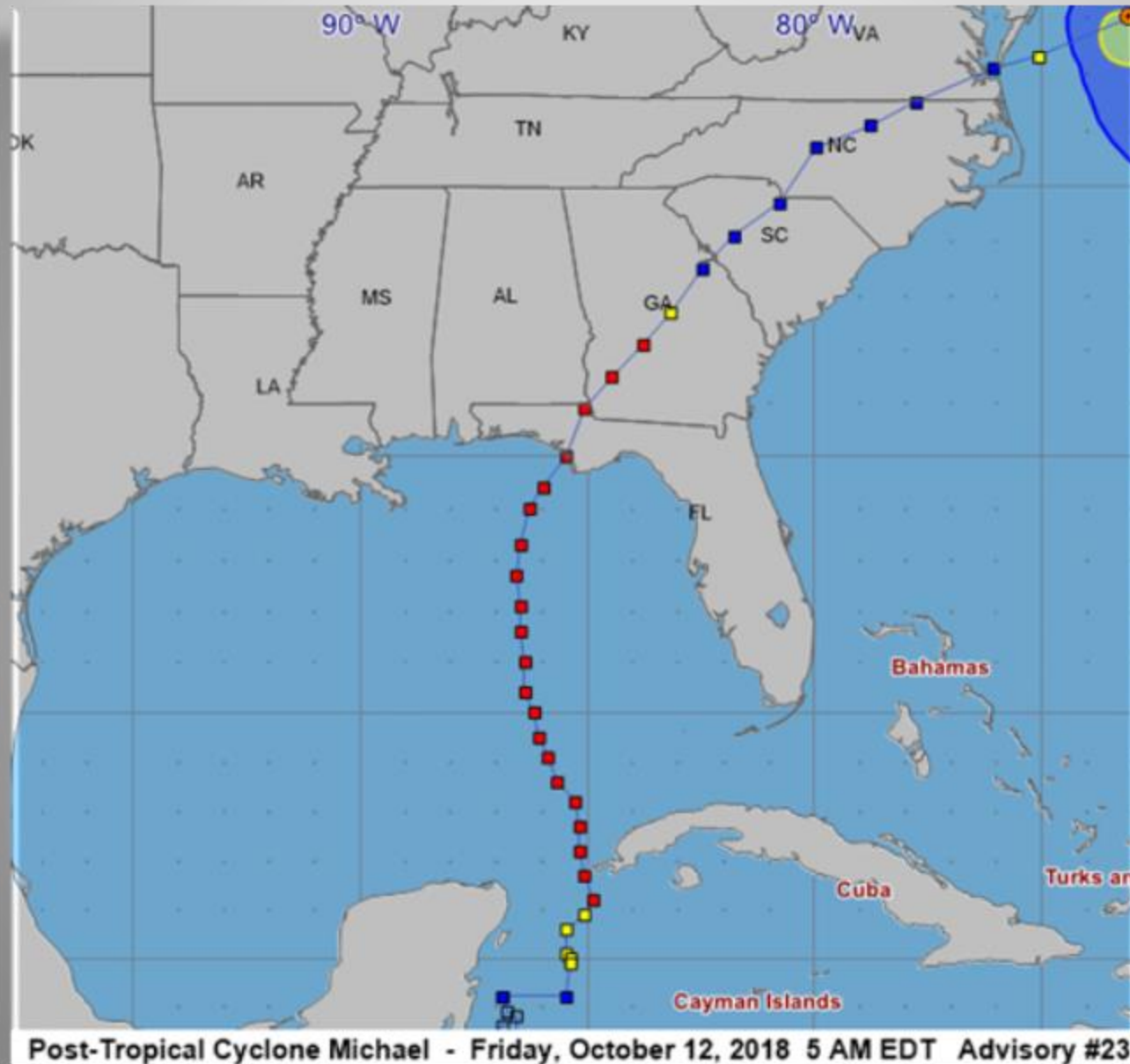


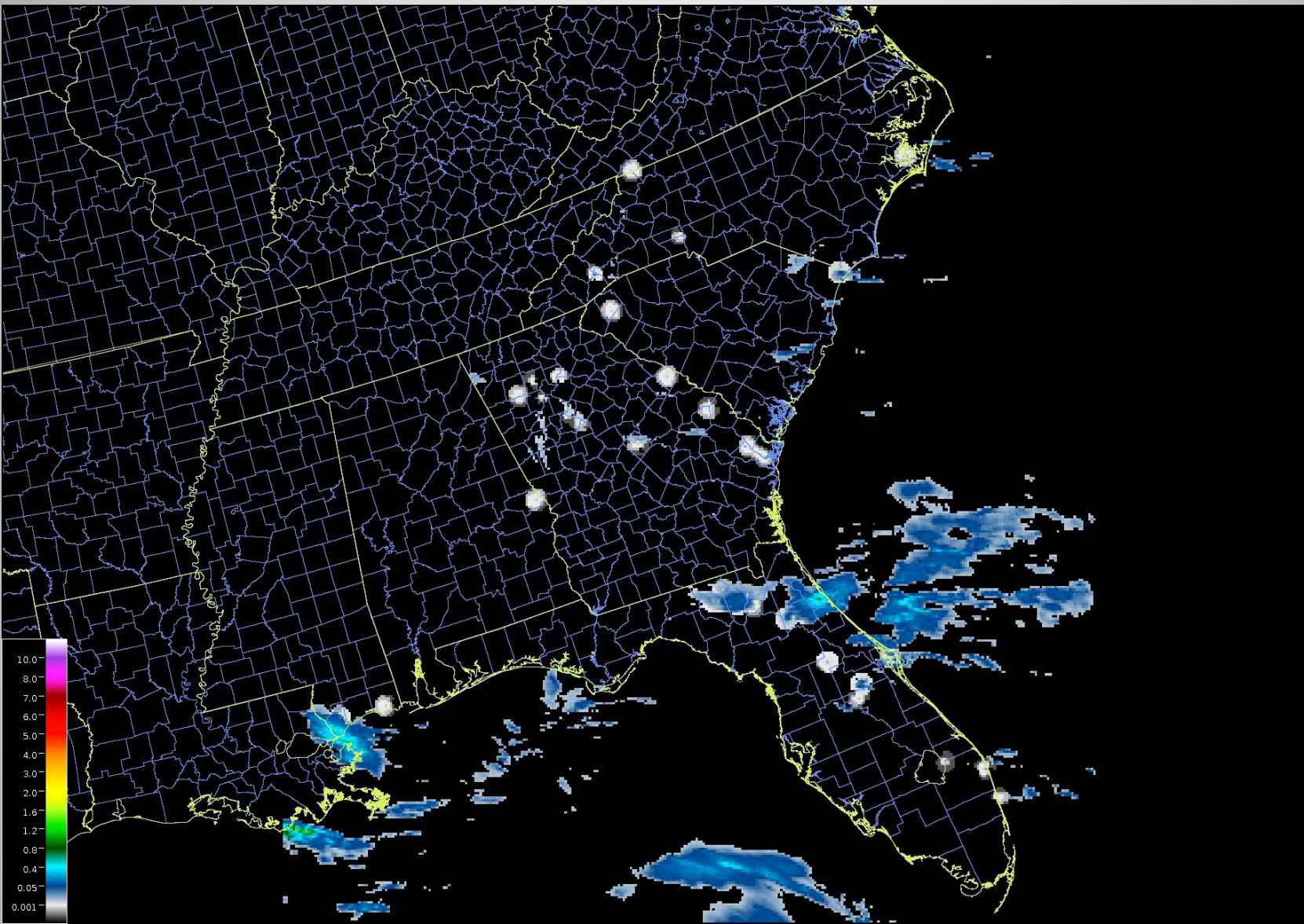


# Hurricane Michael storm track

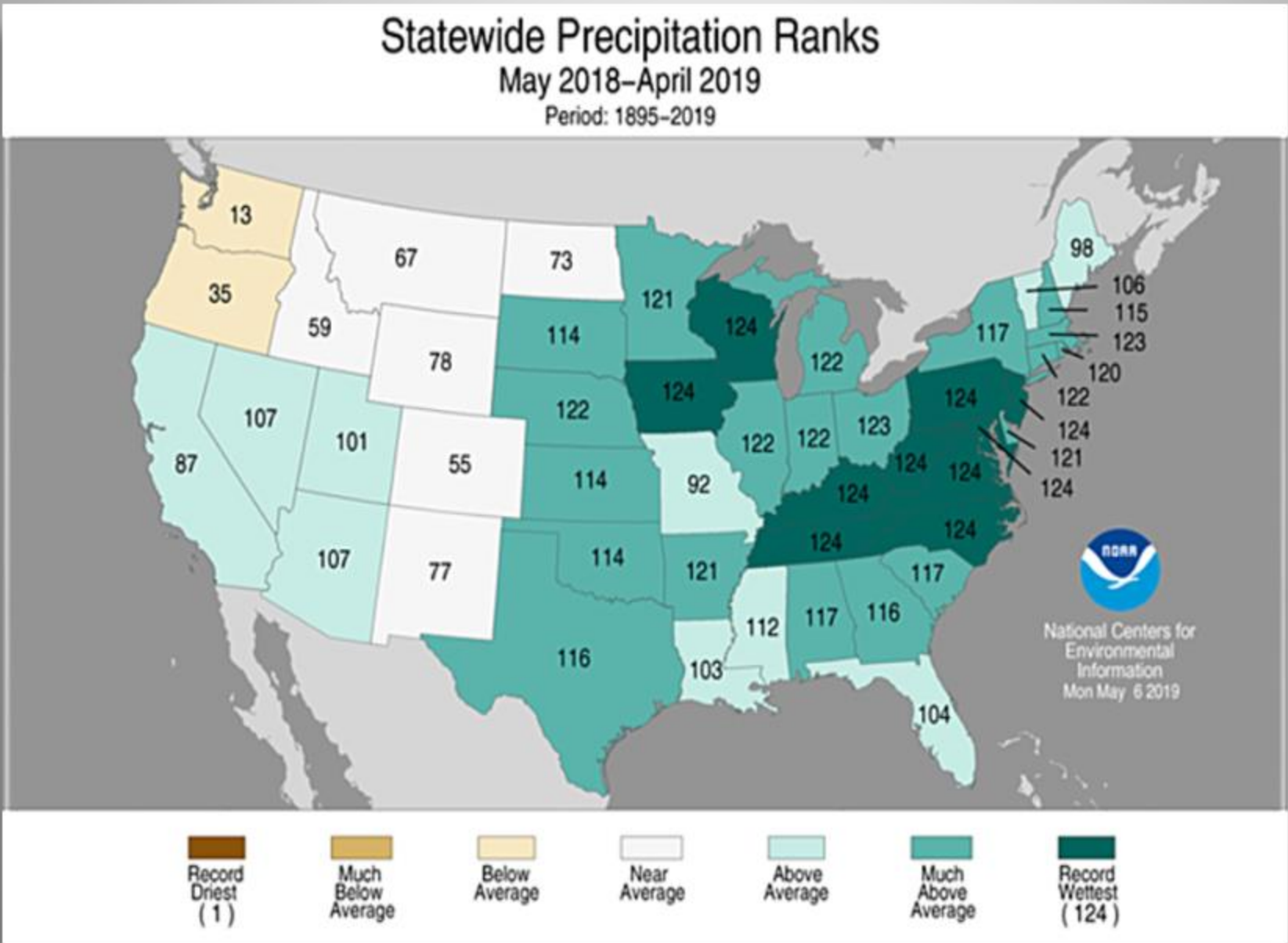
Southeast River Forecast Center

October 10, 2019

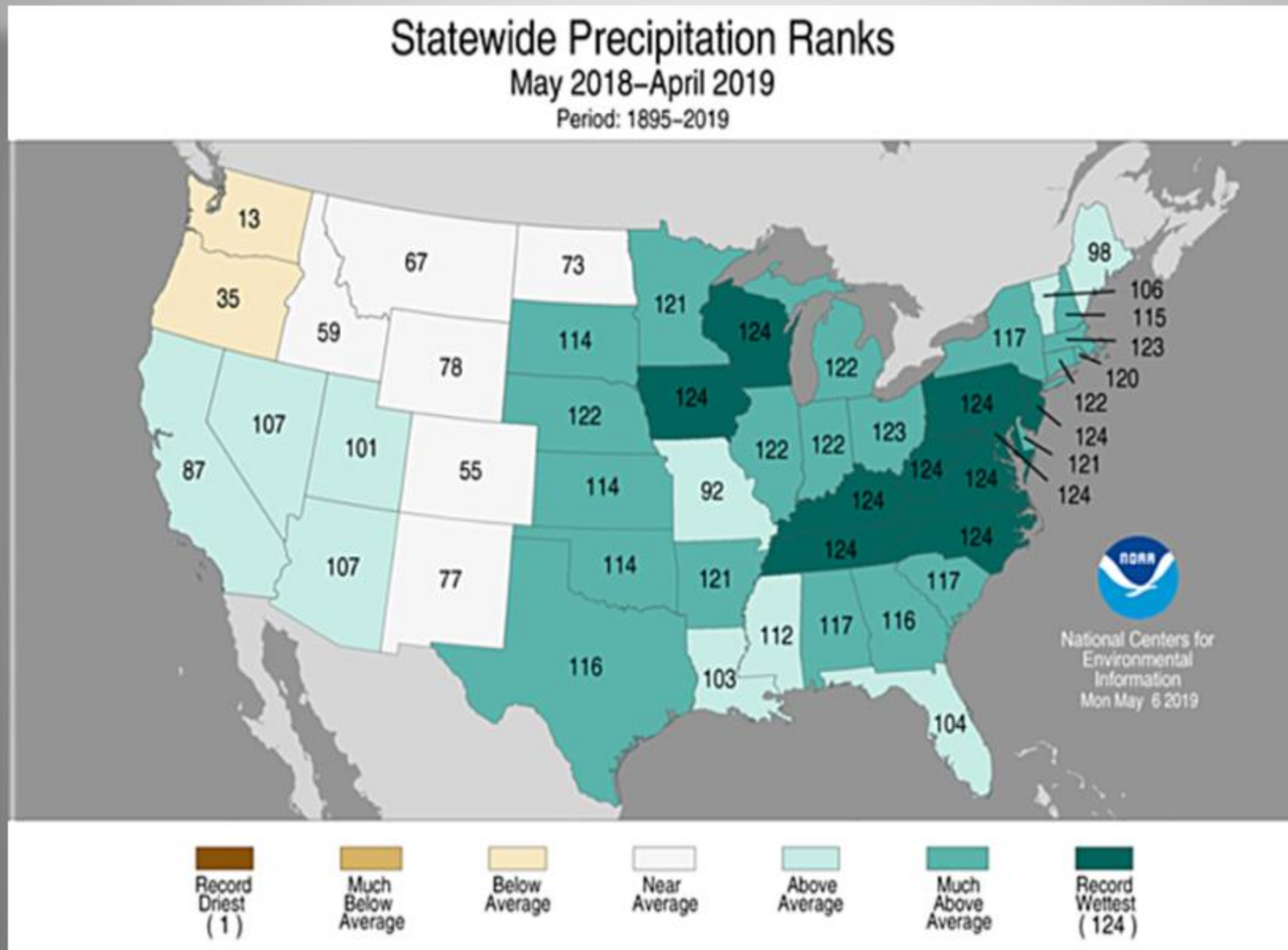


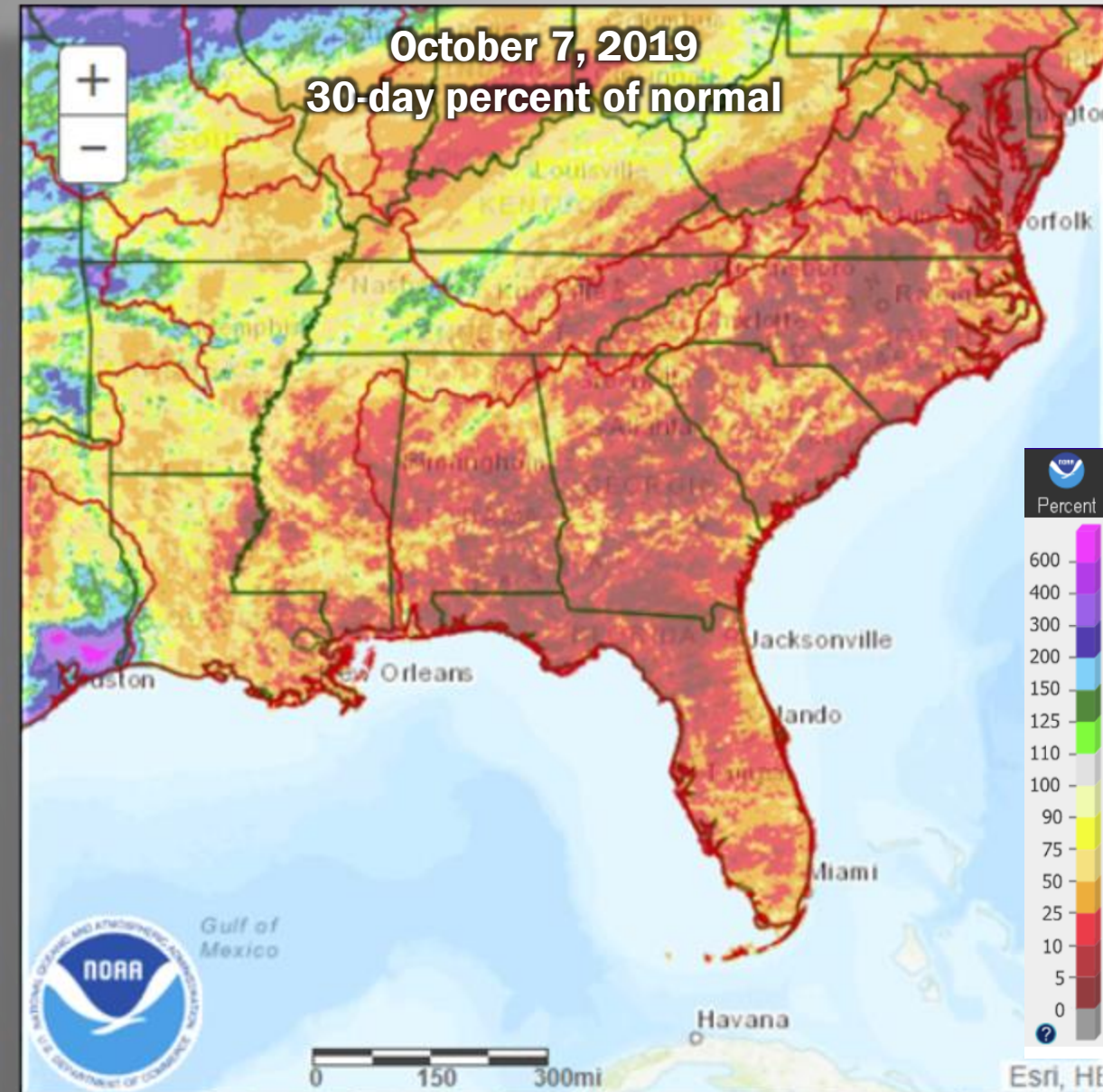








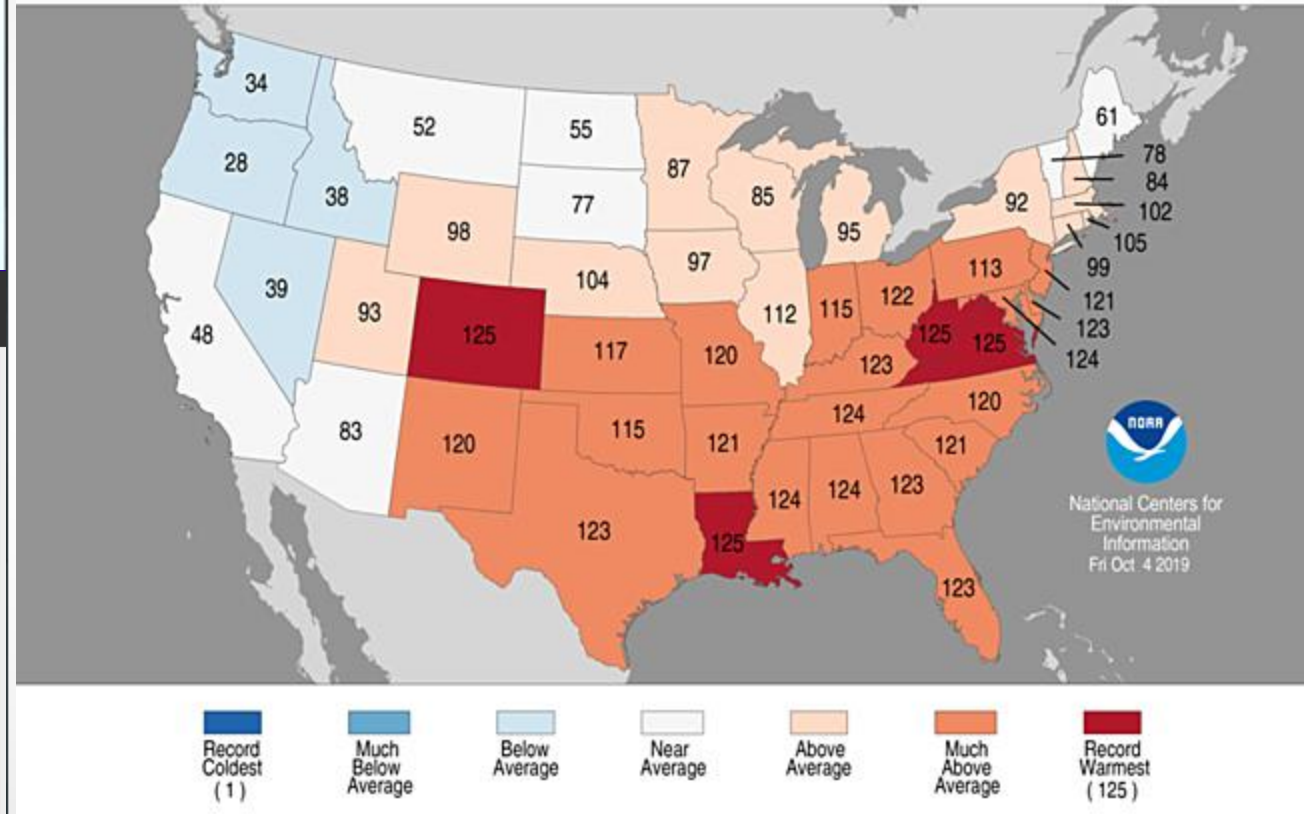




### Statewide Maximum Temperature Ranks

September 2019

Period: 1895–2019





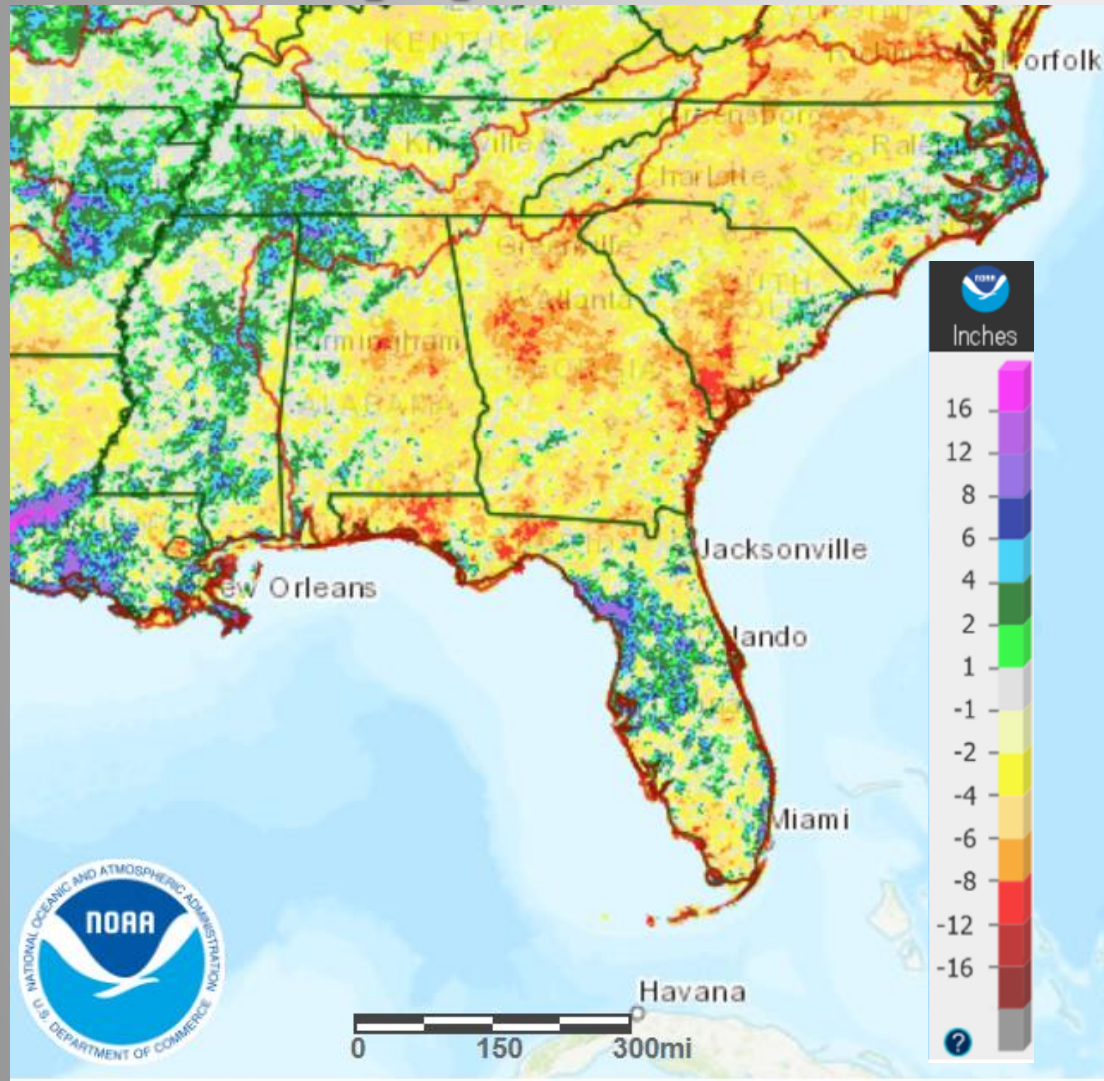
# A very hot and dry late summer

Southeast River Forecast Center

October 10, 2019



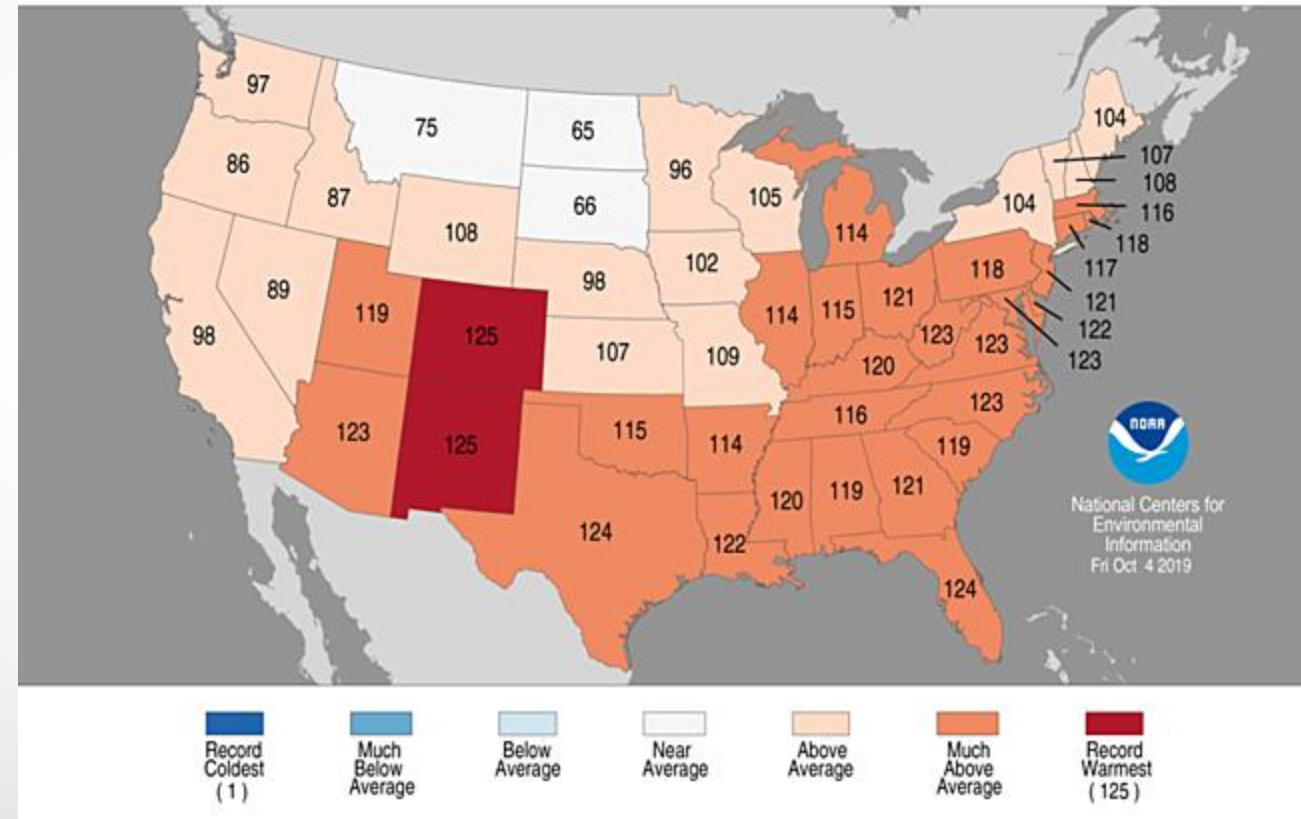
October 9, 2019  
90-day departure from normal



## Statewide Average Temperature Ranks

July–September 2019

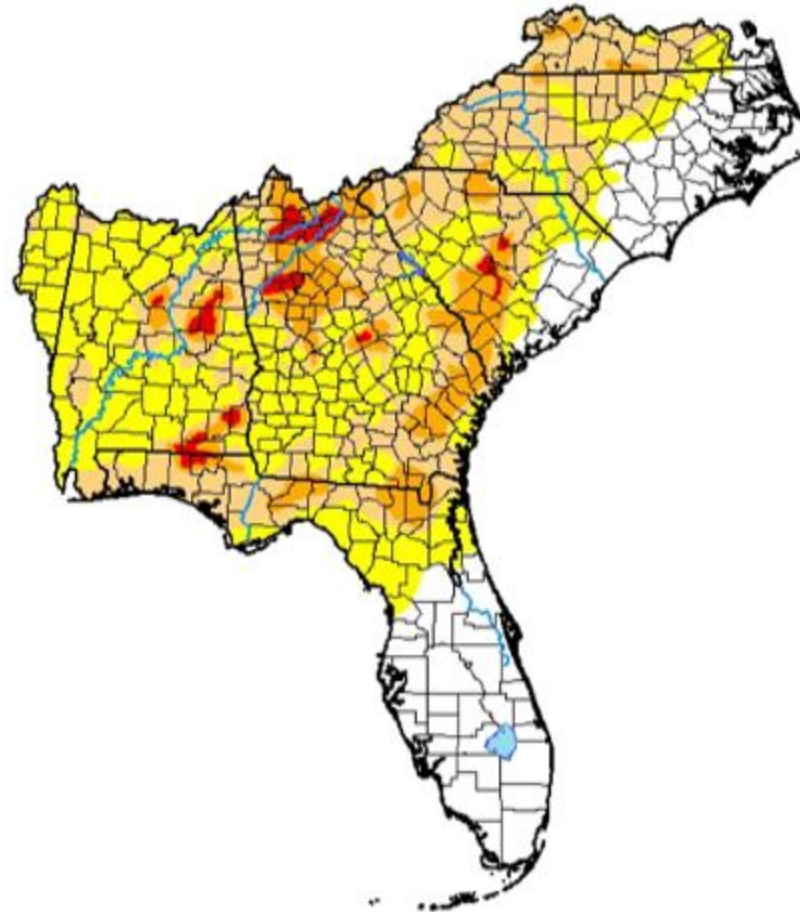
Period: 1895–2019







### U.S. Drought Monitor Southeast RFC



**October 1, 2019**

(Released Thursday, Oct. 3, 2019)

Valid 8 a.m. EDT

*Drought Conditions (Percent Area)*

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	23.39	76.61	40.98	12.68	2.01	0.00
<b>Last Week</b> 09-24-2019	27.32	72.68	35.27	6.62	0.04	0.00
<b>3 Months Ago</b> 07-02-2019	70.97	29.03	8.09	0.49	0.00	0.00
<b>Start of Calendar Year</b> 01-01-2019	92.93	7.07	5.11	0.00	0.00	0.00
<b>Start of Water Year</b> 10-01-2018	23.39	76.61	40.98	12.68	2.01	0.00
<b>One Year Ago</b> 10-02-2018	82.89	17.11	2.82	0.00	0.00	0.00

#### Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

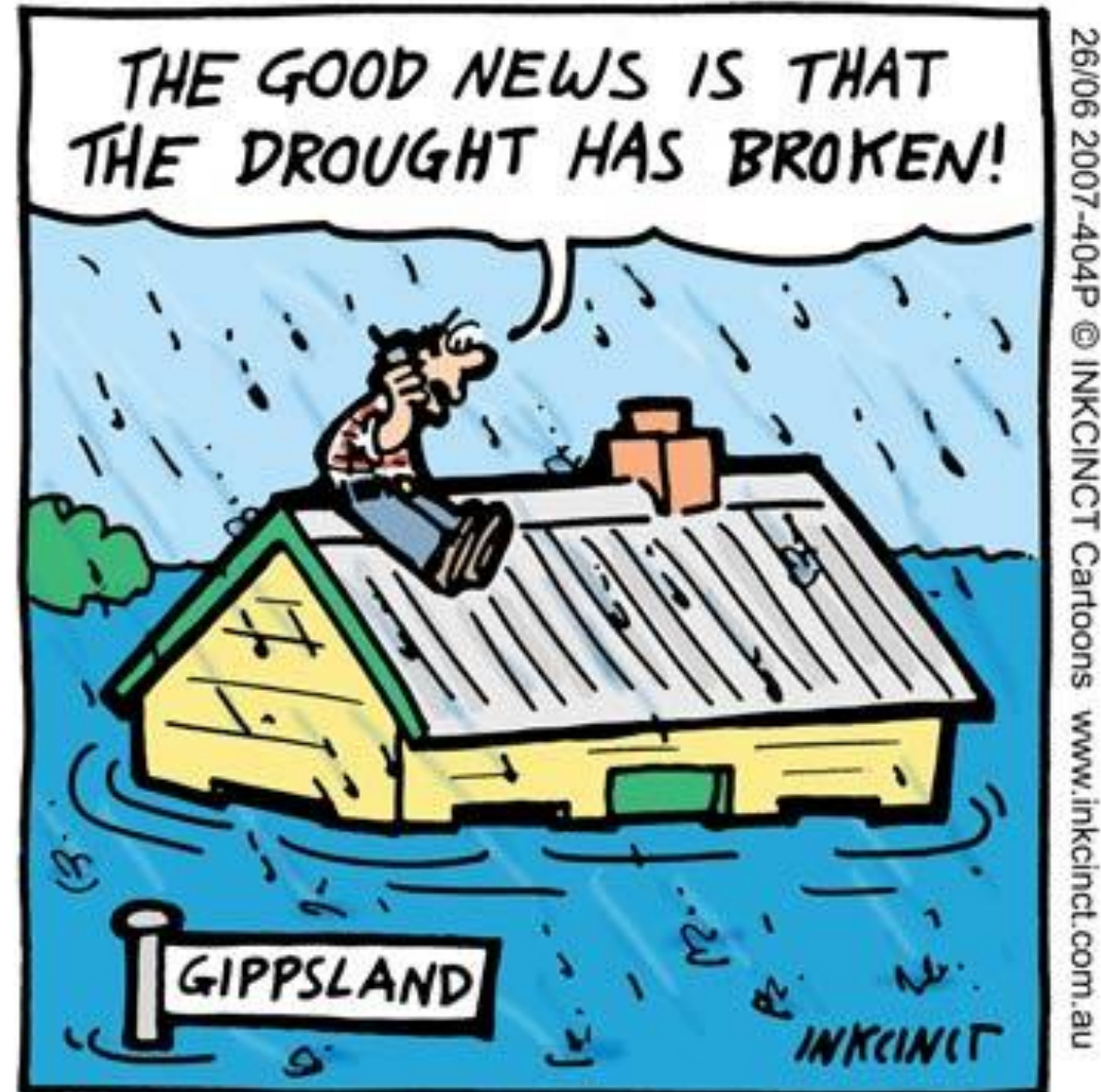
#### Author:

Brian Fuchs  
National Drought Mitigation Center



[droughtmonitor.unl.edu](http://droughtmonitor.unl.edu)

How to end a drought...



# Thank You!!!



## Extreme Weather of 2019 (and a little of 2018)



Todd Hamill – Service Coordination Hydrologist  
Southeast River Forecast Center  
[Todd.Hamill@noaa.gov](mailto:Todd.Hamill@noaa.gov)



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