

Year in Review - Hurricanes



4 Tropical Systems impacted GA within a 1 year period

- Hermine
- Matthew
- Irma
- Nate



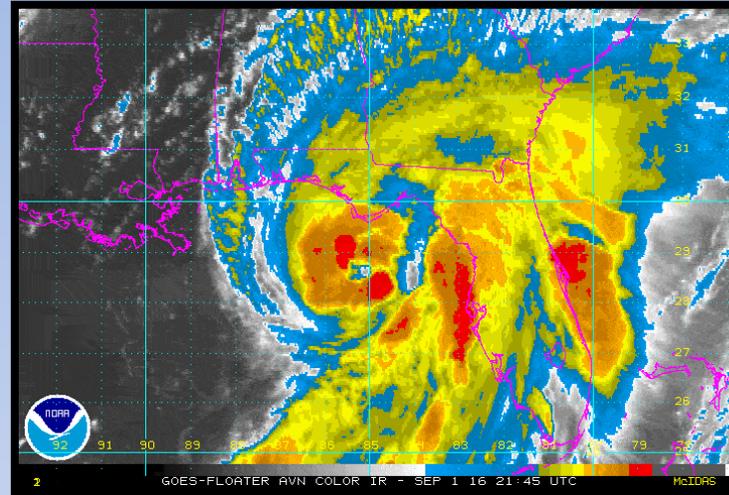
First time **entire** state declared in a presidential disaster declaration - Irma



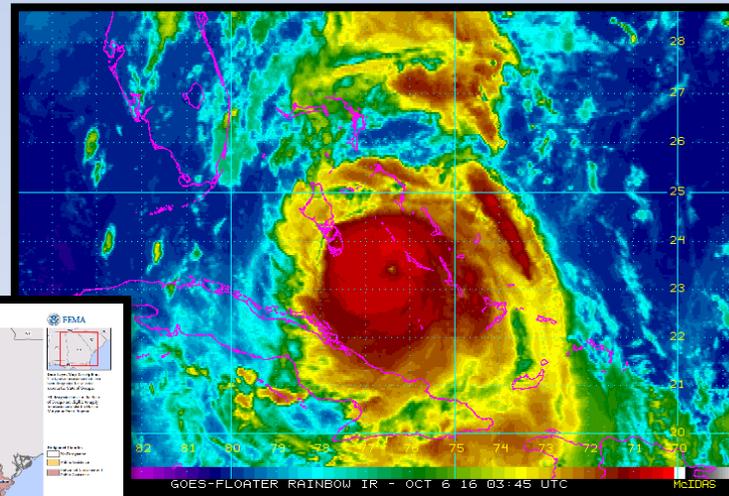
First time ATL metro under a Tropical Storm Watch/Warning (NWS started inland warnings in 2008)



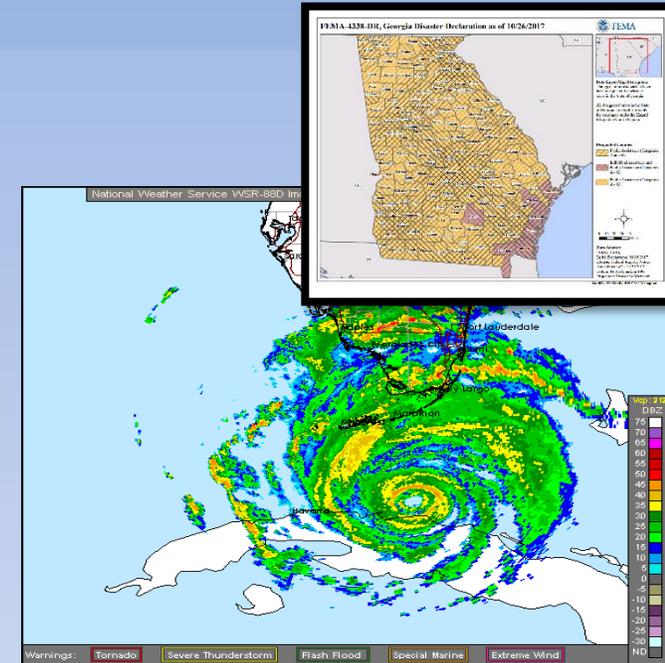
Peak of around **2 million** customers in GA without power (8+million in SE from the storm breaking the US record – Sandy 2011)



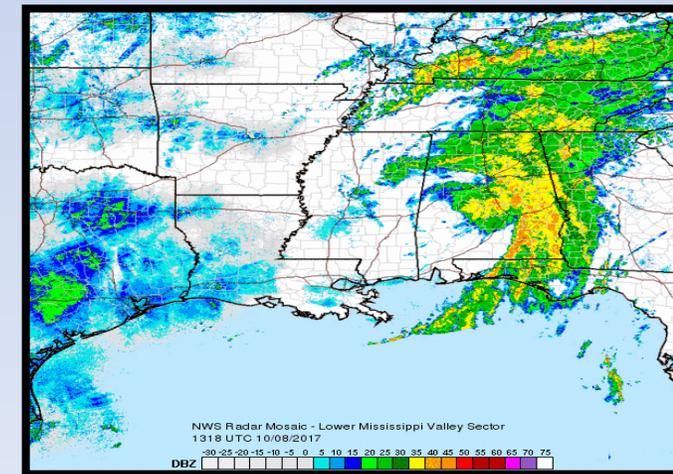
Hermine – Sept 2016



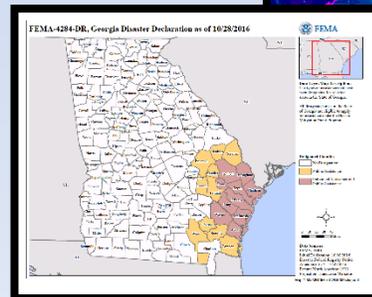
Matthew – October 2016



Irma – Sept 2017



Nate – October 2017



Year in Review - Drought



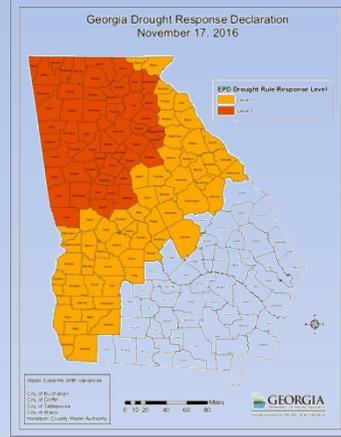
Nearly 34% of the state in D4 Drought, 63% in D3-D4



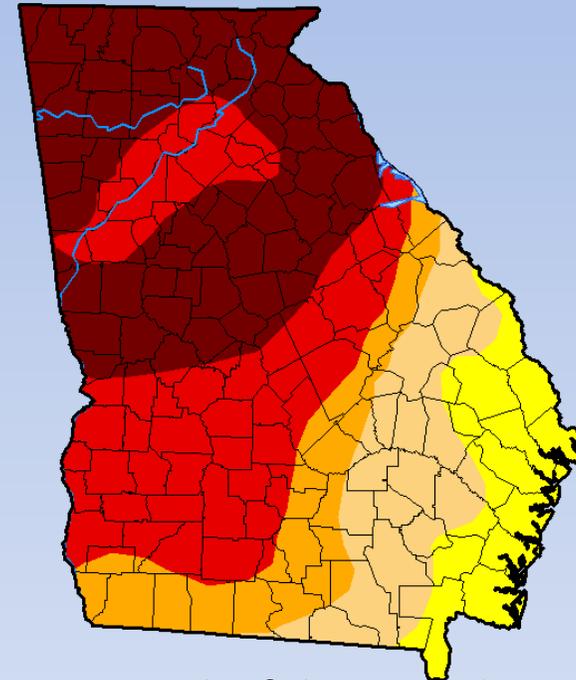
52 Counties in Level 2 and 53 Counties in Level 1 Drought restrictions



ATLANTA (AP) -- "Beaver dams have been demolished, burbling fountains silenced, and the drinking water in one southern town has taken on the light brownish color of sweet tea."



U.S. Drought Monitor Georgia



Peak of the Drought

November 29, 2016
(Released Thursday, Dec. 1, 2016)
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	88.87	74.56	62.36	33.22
Last Week 11-22-2016	0.00	100.00	76.64	67.76	56.60	33.78
3 Months Ago 08-30-2016	18.68	81.32	49.28	28.20	5.27	0.00
Start of Calendar Year 12-29-2015	87.36	12.64	0.00	0.00	0.00	0.00
Start of Water Year 09-27-2016	35.37	64.63	45.84	34.50	14.67	1.58
One Year Ago 12-01-2015	87.90	12.10	0.00	0.00	0.00	0.00

Intensity

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

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

Author:

Richard Heim
NCEI/NOAA



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

Year in Review - Fires



119,000+ acres across 8 states (fall 2016) – North GA



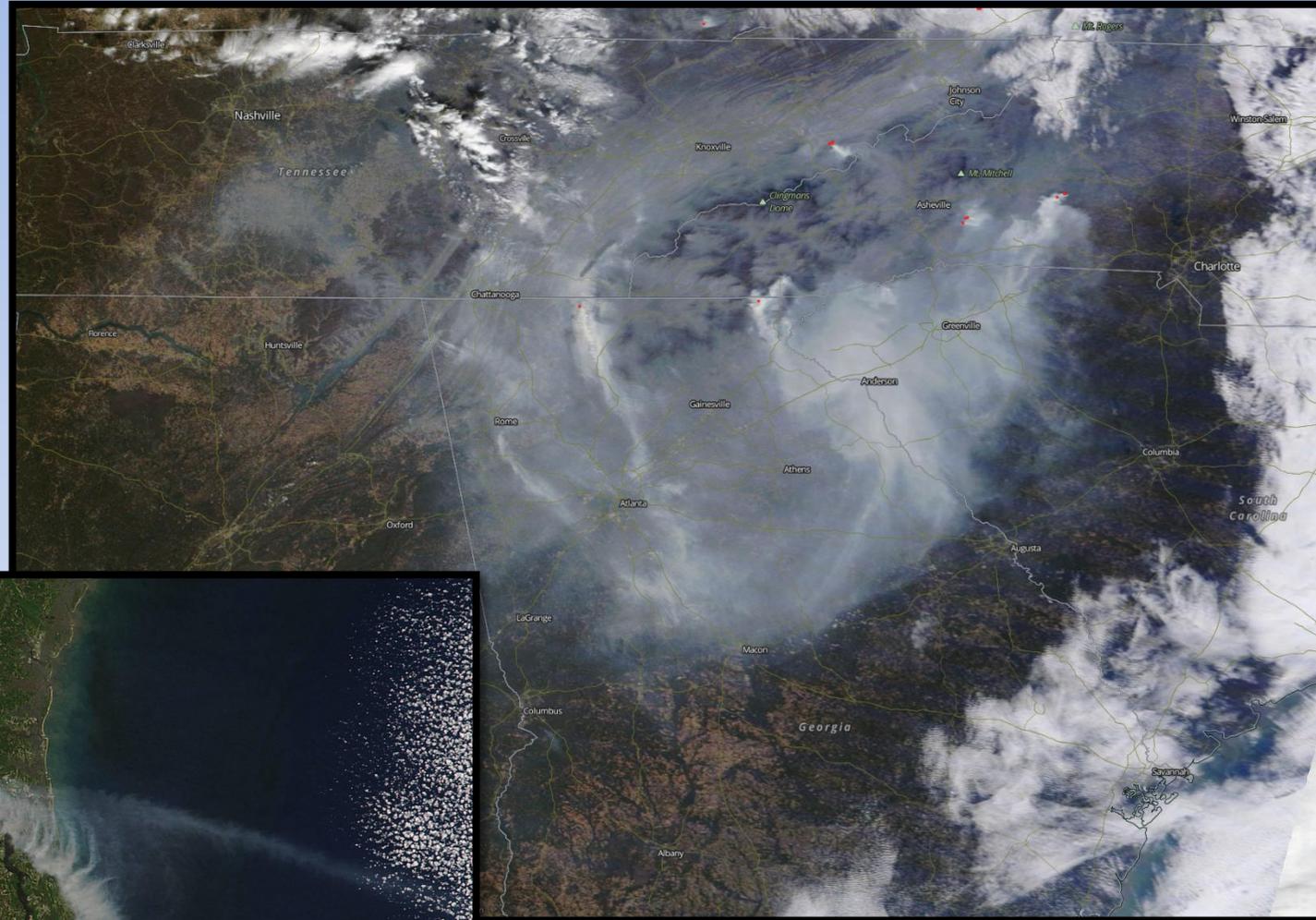
November 2016 – Asthma, health related issues significantly increased due to smoke



West Mims and other fires 131,000+ acres (Spring 2017) – Southeast GA



Culminated by the Gatlinburg Fire on Nov 19, 2016 – 13 dead



November 14, 2016



May 8, 2017

Year in Review – Winter??



Snow/Ice event on Jan 6-7. More on that event later



Record warmth in January/February led to crops blooming 3 weeks early



1 Billion \$ in crop damage resulted from the March 14-16 hard freeze. Mostly GA but also SC.

Worst Southeast freeze in 10 years wipes out blueberry and peach crops

Jeffrey Collins, Associated Press



Published: 10:50 a.m. ET March 21, 2017 | Updated: 10:55 a.m. ET March 21, 2017

COLUMBIA, S.C. (AP) — Last week's deep freeze in the Southeast appears to have nearly wiped out Georgia's blueberries and South Carolina's peaches and seriously damaged a number of other crops like

Georgia blueberry crop "devastated" by freezing temperatures and frost

Published: Thursday, March 16th 2017, 7:58 pm EST
 Updated: Thursday, March 16th 2017, 7:58 pm EST

There Won't Be as Many Peaches This Year

Georgia's peach crop is suffering much worse than expected, up to 80 percent may be gone.

May 31, 2017, at 11:01 a.m.

AP

ATLANTA (AP) — Georgia's peach crop is suffering much worse than expected.

U.S. 2017 Billion-Dollar Weather and Climate Disasters



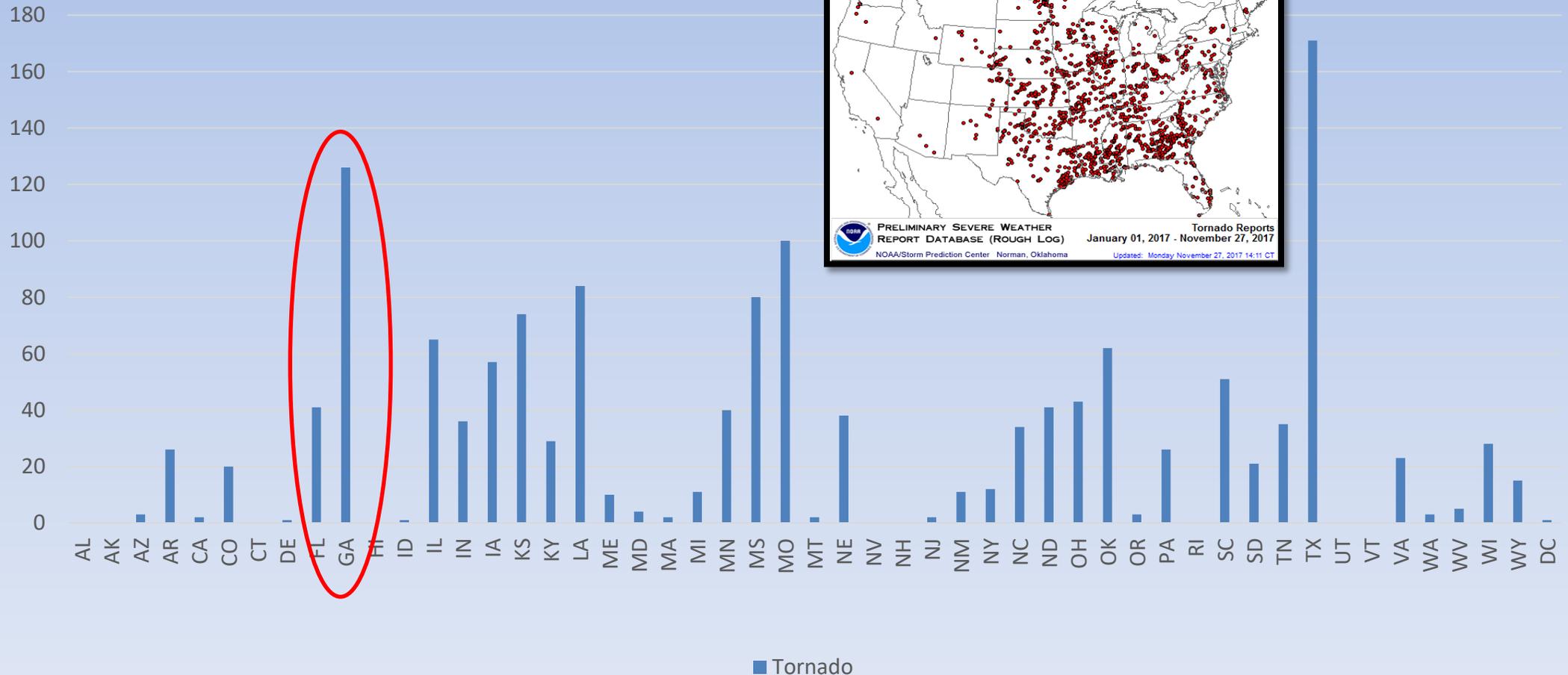
This map denotes the approximate location for each of the 15 billion-dollar weather and climate disasters that have impacted the United States January through September of 2017, a record pace.

Year in Review – Severe Weather



GA Ranks 2nd in the US in Tornadoes – 114 confirmed (TX leads, with many due to Harvey)

Tornado Reports in the US in 2017



Year in Review – Severe Weather

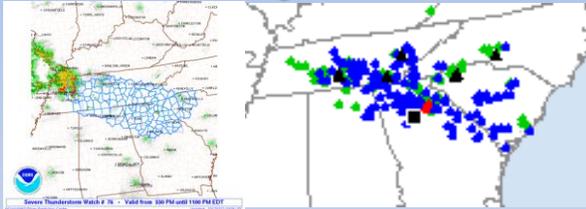
Several Significant Severe Weather Days



In addition to the tornado days (Table) there were several other significant events



March 21 – Straight Line Wind Event



May 4 – ATL Hartsfield Tornado and Wake Low Winds (North/NW GA)

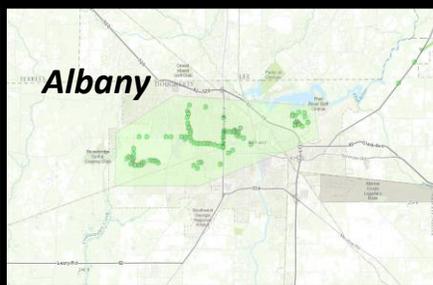
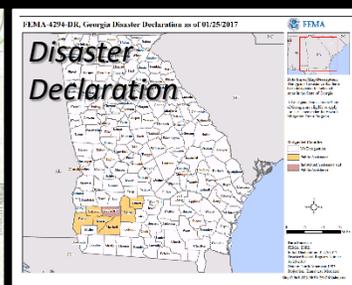
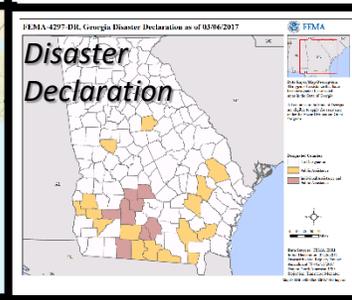
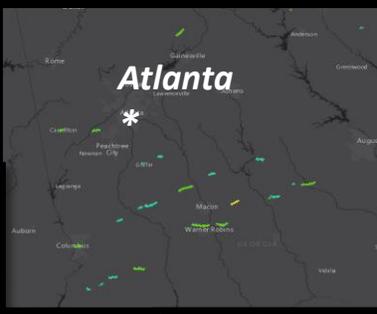
60+mph winds lasted for several hours across N GA – Blew down thousands of trees



May 24 – North GA Tornadoes

Whitfield, Gordon, Gilmer, Fannin



Date	Event Overview																																		
<p>Jan 2, 2017</p>	<p> Albany</p> <p>3-4 mile wide swath of 80-85 mph wind</p>																																		
<p>Jan 21-22 2017</p>	<p> Albany</p> <p>One of Jan Strongest on record</p>		<p>*41 Tornadoes in GA</p> <p>*27 across NWS FFC area</p> 																																
<p>Apr 3, 2017</p>	<p> Record Setting Outbreak</p> <p>*27 in one day (broke Jan record)</p>	<p>Tornadoes of April 3, 2017: (in chronological order of tornado occurrence by county)</p> <table border="1" data-bbox="1523 896 2114 1088"> <tbody> <tr> <td>(1) Carroll</td> <td>(9) Webster</td> <td>(17) Jones</td> <td>(25) Washington #1</td> </tr> <tr> <td>(2) Fulton</td> <td>(10) Spalding</td> <td>(18) Twiggs #1</td> <td>(26) Washington #2</td> </tr> <tr> <td>(3) Muscogee</td> <td>(11) Upson #1</td> <td>(19) Wilkinson #1</td> <td>(27) Washington/Jefferson</td> </tr> <tr> <td>(4) Stewart #1</td> <td>(12) Upson #2</td> <td>(20) Twiggs/Wilkinson</td> <td></td> </tr> <tr> <td>(5) Stewart #2</td> <td>(13) Schley</td> <td>(21) Wilkinson/Laurens</td> <td></td> </tr> <tr> <td>(6) Lumpkin</td> <td>(14) Henry</td> <td>(22) Wilkinson #3</td> <td></td> </tr> <tr> <td>(7) Talbot #1</td> <td>(15) Monroe</td> <td>(23) Hancock</td> <td></td> </tr> <tr> <td>(8) Talbot #2</td> <td>(16) Peach/Houston</td> <td>(24) Wilkinson #4</td> <td></td> </tr> </tbody> </table>	(1) Carroll	(9) Webster	(17) Jones	(25) Washington #1	(2) Fulton	(10) Spalding	(18) Twiggs #1	(26) Washington #2	(3) Muscogee	(11) Upson #1	(19) Wilkinson #1	(27) Washington/Jefferson	(4) Stewart #1	(12) Upson #2	(20) Twiggs/Wilkinson		(5) Stewart #2	(13) Schley	(21) Wilkinson/Laurens		(6) Lumpkin	(14) Henry	(22) Wilkinson #3		(7) Talbot #1	(15) Monroe	(23) Hancock		(8) Talbot #2	(16) Peach/Houston	(24) Wilkinson #4		
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<p>Apr 5, 2017</p>	<p> 2nd High Risk Day for the year</p> <p>3 strong EF2 tracks missed populated areas</p>	