

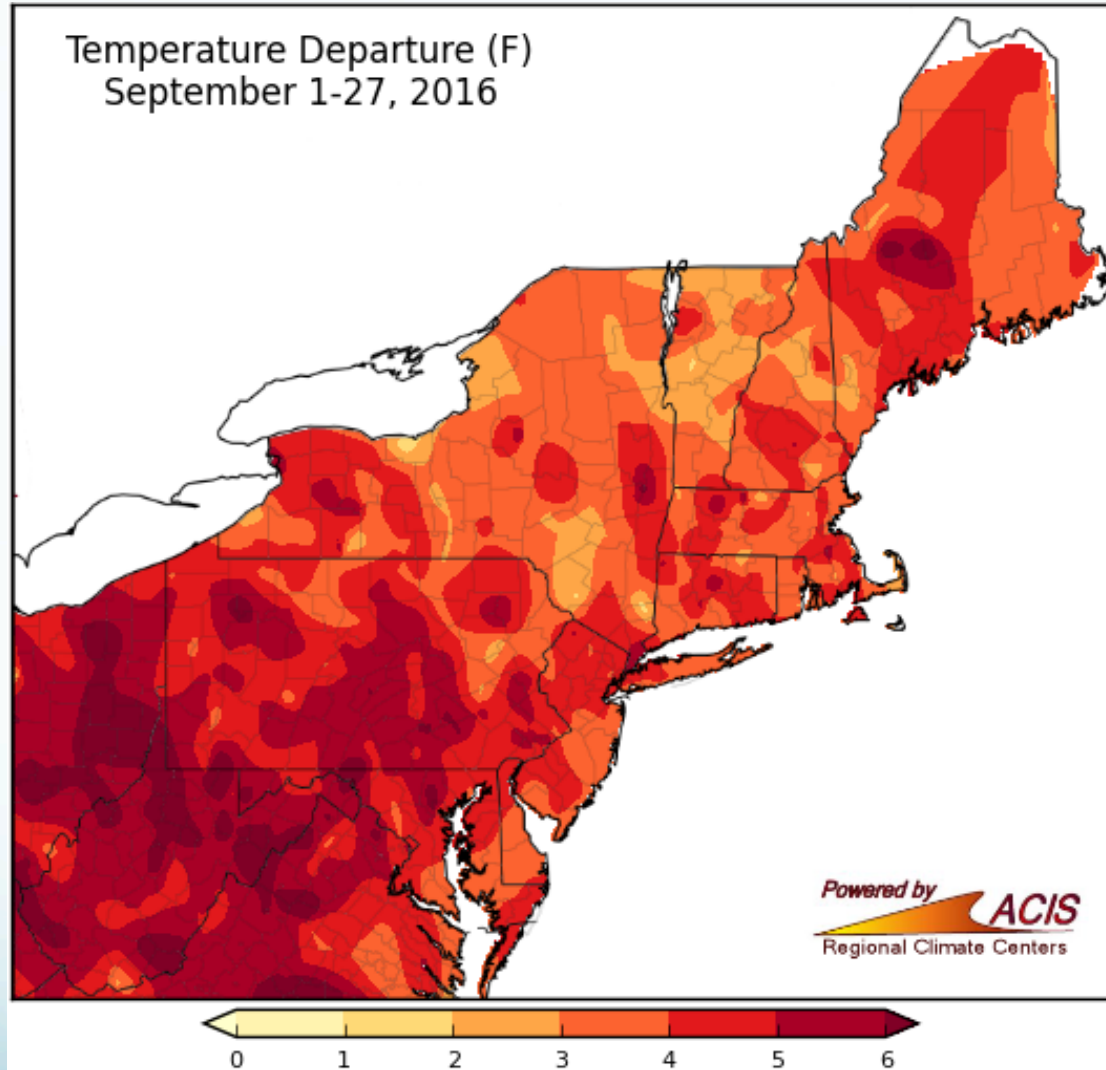
September Review

By: Samantha Borisoff, Climatologist



Northeast Regional Climate Center

September Temperatures



From 2°F above normal to more than 6°F above normal
Top 10 warmest for 31 of 35 major climate sites (record at Dulles)

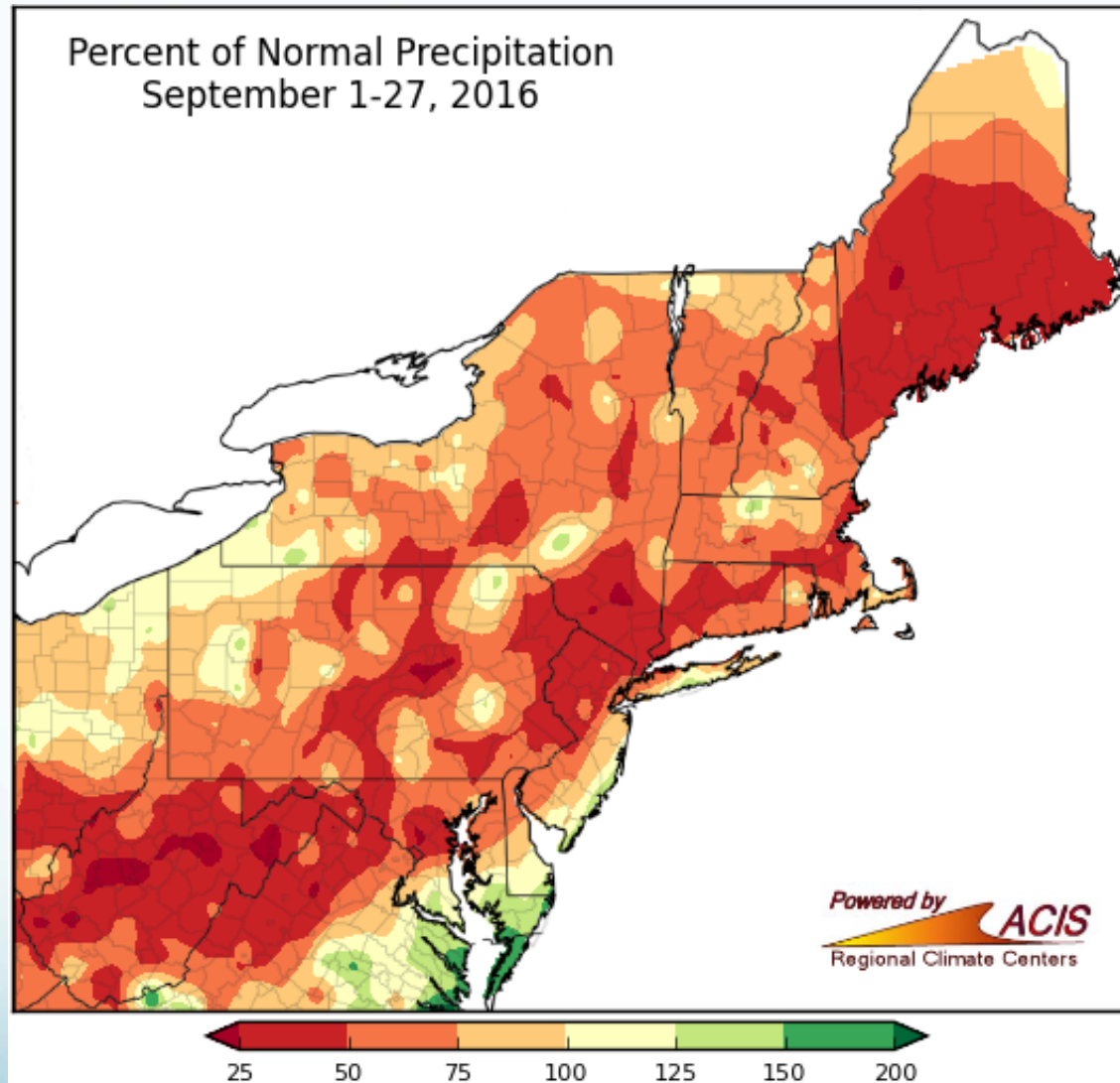
September Temperatures

Location	Sep 1-25, 2016 Avg Max Temp (°F)	Normal (°F)	Departure (°F)	Rank (warmest)
Williamsport, PA	83.6	74.5	9.1	2
Charleston, WV	87.7	78.7	9.0	8
Elkins, WV	83.3	74.6	8.7	1
Allentown, PA	84.4	75.9	8.5	1
Huntington, WV	87.8	79.8	8.0	6
Scranton, PA	80.9	73.1	7.8	5
Harrisburg, PA	84.1	76.6	7.5	3
Burlington, VT	78.2	71.3	6.9	3
Concord, NH	80.4	73.6	6.8	2
Beckley, WV	80.4	73.8	6.6	9
Pittsburgh, PA	81.9	75.3	6.6	8
Rochester, NY	79.2	72.6	6.6	5
Wilmington, DE	84.6	78.3	6.3	4
Albany, NY	79.4	73.2	6.2	4
Binghamton, NY	75.0	69.2	5.8	5
Philadelphia, PA	84.7	79.0	5.7	2
Buffalo, NY	77.7	72.1	5.6	5
Baltimore, MD	84.3	78.7	5.6	7
Syracuse, NY	78.5	73.0	5.5	7
Washington, DC	85.9	80.4	5.5	8
Erie, PA	78.2	72.9	5.3	4
LaGuardia Airport, NY	82.3	77.2	5.1	3
Newark, NJ	82.8	77.7	5.1	4
Central Park, NY	81.2	76.2	5.0	8
Dulles Airport, VA	85.4	80.4	5.0	1
Portland, ME	75.9	70.9	5.0	3
Bridgeport, CT	79.7	74.9	4.8	4
Hartford, CT	80.4	75.9	4.5	5
Providence, RI	79.5	75.1	4.4	3
Atlantic City, NJ	82.3	77.9	4.4	5
Caribou, ME	70.8	66.5	4.3	5
Worcester, MA	74.6	70.5	4.1	19
Islip, NY	78.3	74.7	3.6	3
Kennedy Airport, NY	79.8	76.2	3.6	5
Boston, MA	76.5	73.3	3.2	16

Location	Sep 1-25, 2016 Avg Min Temp (°F)	Normal (°F)	Departure (°F)	Rank (warmest)
Dulles Airport, VA	64.2	57.4	6.8	1
Washington, DC	69.5	63.4	6.1	2
LaGuardia Airport, NY	68.7	62.8	5.9	2
Baltimore, MD	64.2	58.4	5.8	
Huntington, WV	63.1	57.4	5.7	10
Harrisburg, PA	62.8	57.2	5.6	5
Bridgeport, CT	64.6	59.3	5.3	1
Caribou, ME	50.5	45.4	5.1	4
Pittsburgh, PA	60.0	55.0	5.0	17
Philadelphia, PA	66.2	61.3	4.9	3
Providence, RI	60.7	56.3	4.4	3
Allentown, PA	58.2	53.9	4.3	10
Burlington, VT	55.8	51.5	4.3	10
Central Park, NY	66.0	61.7	4.3	5
Atlantic City, NJ	62.6	58.4	4.2	
Erie, PA	60.9	56.7	4.2	10
Beckley, WV	58.4	54.3	4.1	6
Buffalo, NY	58.4	54.3	4.1	
Concord, NH	52.6	48.5	4.1	19
Islip, NY	62.6	58.5	4.1	1
Scranton, PA	56.8	52.9	3.9	17
Kennedy Airport, NY	65.5	61.7	3.8	4
Williamsport, PA	57.9	54.1	3.8	12
Wilmington, DE	63.0	59.2	3.8	14
Portland, ME	55.0	51.3	3.7	14
Rochester, NY	56.6	52.9	3.7	
Boston, MA	61.9	58.3	3.6	4
Hartford, CT	57.3	53.7	3.6	11
Newark, NJ	64.3	60.7	3.6	5
Worcester, MA	57.4	53.9	3.5	9
Albany, NY	56.1	52.7	3.4	
Charleston, WV	61.0	57.9	3.1	19
Elkins, WV	54.7	51.7	3.0	19
Binghamton, NY	53.4	51.5	1.9	17
Syracuse, NY	53.9	52.6	1.3	

Both high and low temperatures have been above normal

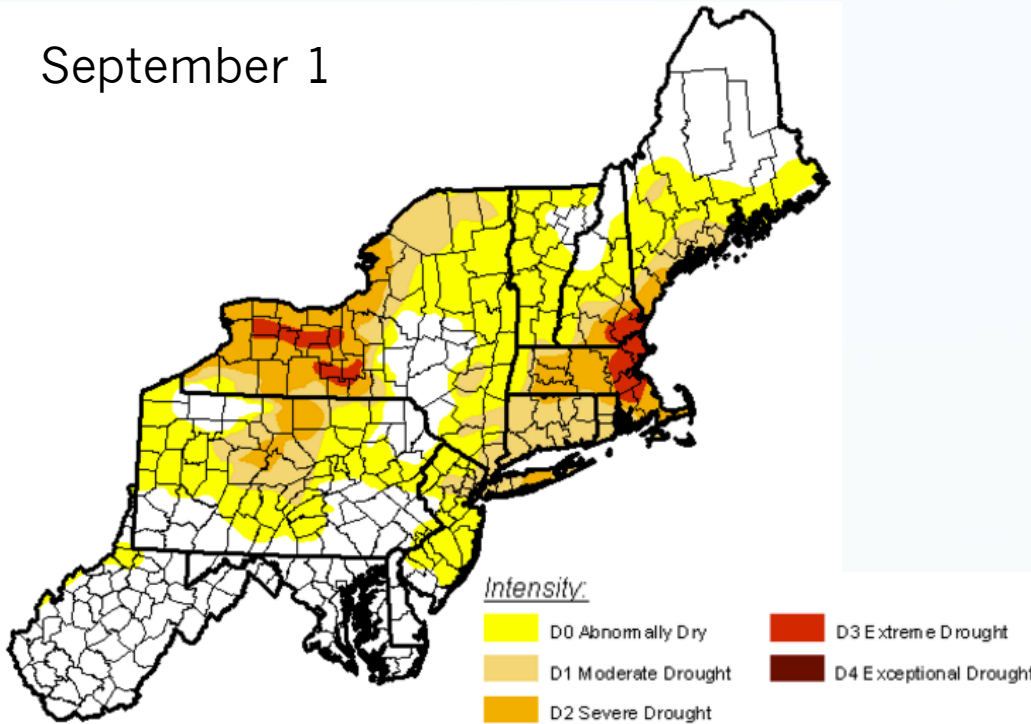
September Precipitation



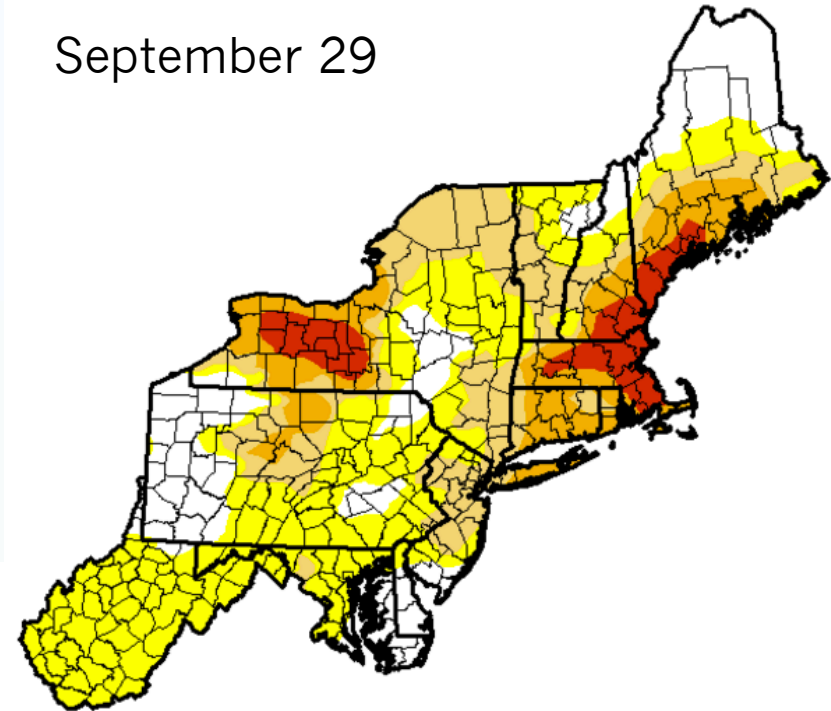
From less than 25% of normal to 150% of normal
Top 10 driest for 5 major climate sites (3 in WV)

Drought Monitor

September 1



September 29



Early September:

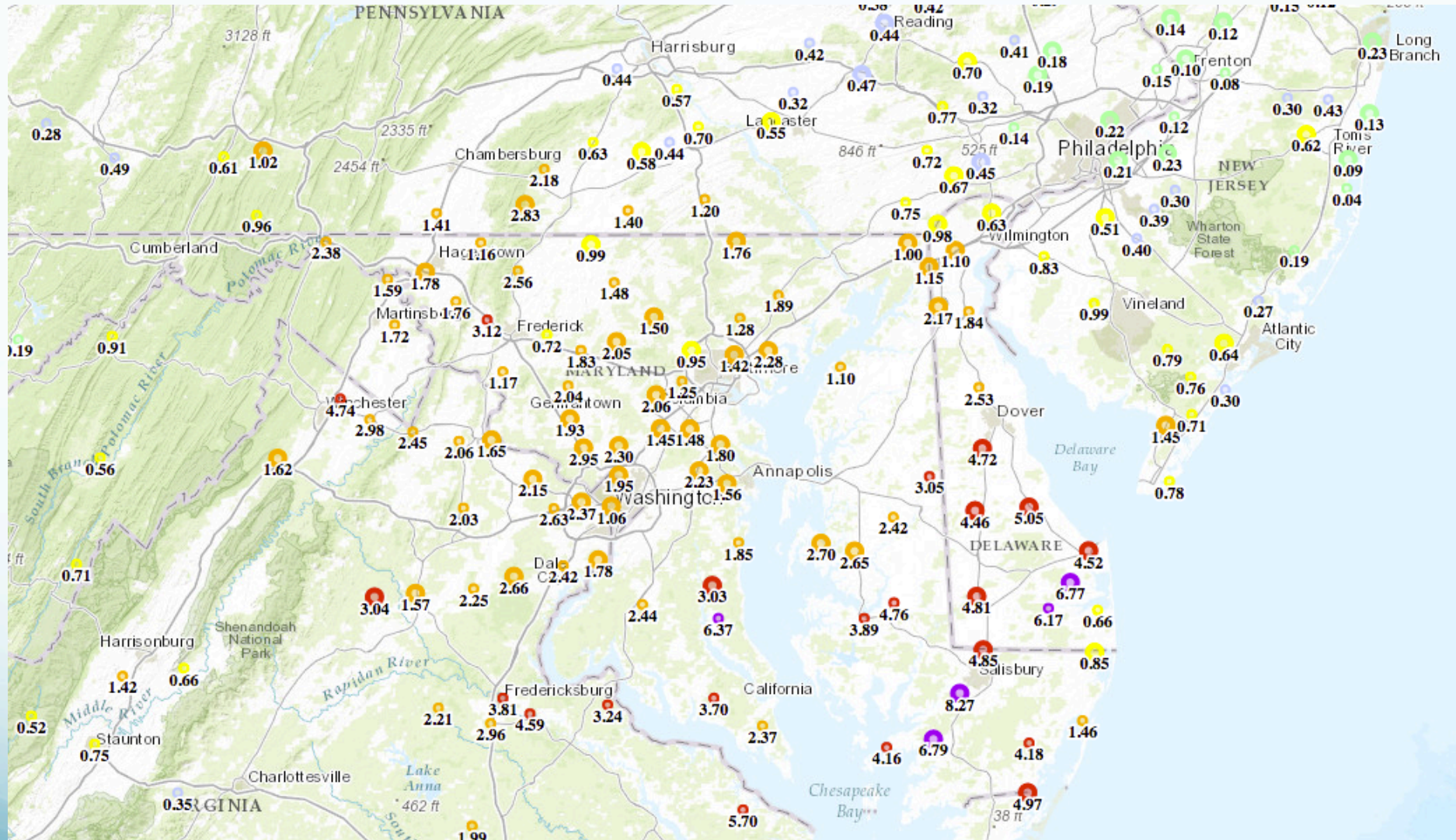
27% of the region in moderate, severe, or extreme drought

Late September:

40% of the region in moderate, severe, or extreme drought

First time in extreme drought for some counties since at least 2000 (start of Drought Monitor data)

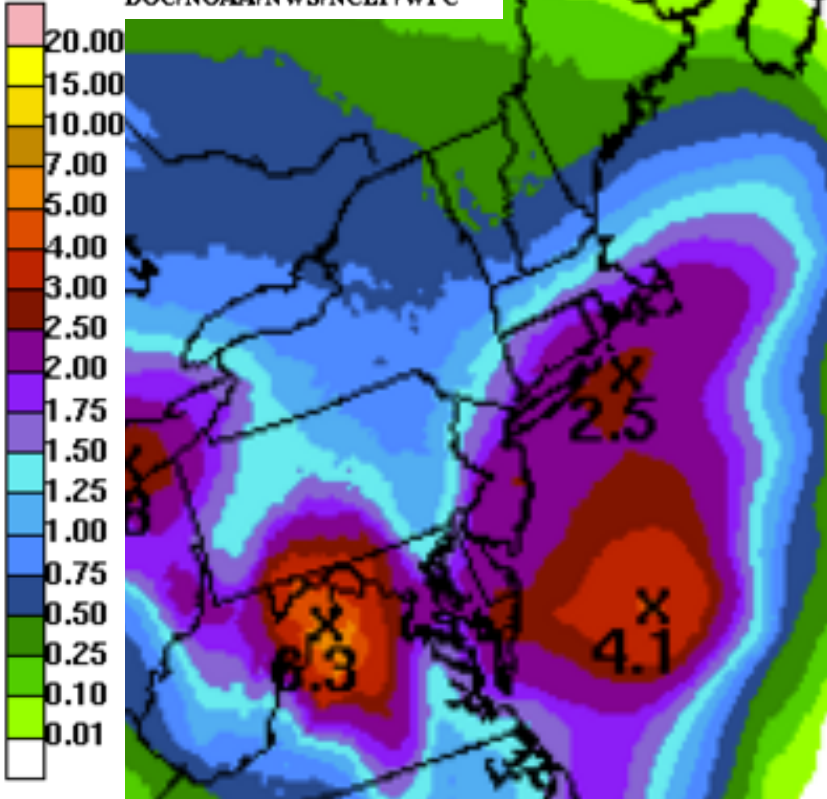
Current Rain Event



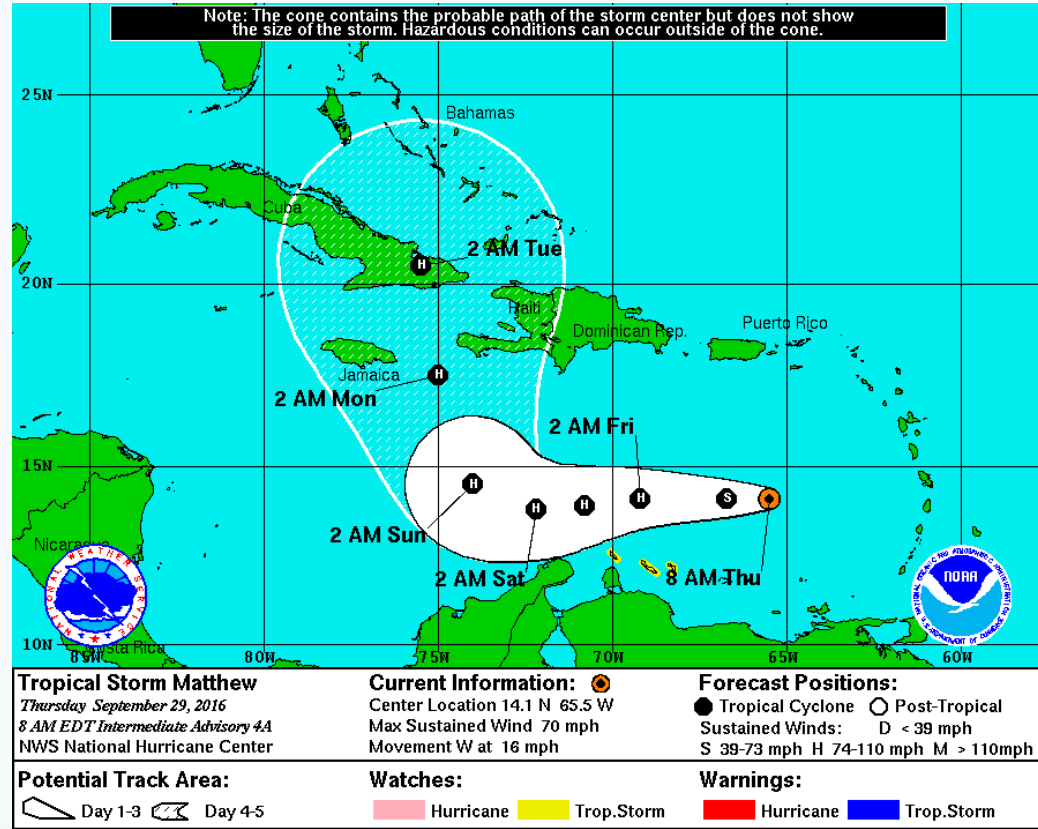
24-hour rainfall totals ending 7am September 29

Outlooks

WPC 5-DAY QPF
 ISSUED: 0954Z THU SEP 29 2016
 VALID: 12Z THU SEP 29 2016
 THRU: 12Z TUE OCT 04 2016
 FORECASTER: WPC
 DOC/NOAA/NWS/NCEP/WPC



Today – this weekend:
 Heavy rain & flooding in some areas
 worst drought areas generally see
 1/2" to 2.5"



Tropical Storm Matthew Thursday September 29, 2016 8 AM EDT Intermediate Advisory 4A NWS National Hurricane Center	Current Information: Center Location 14.1 N 65.5 W Max Sustained Wind 70 mph Movement W at 16 mph	Forecast Positions: ● Tropical Cyclone ○ Post-Tropical Sustained Winds: D < 39 mph S 39-73 mph H 74-110 mph M > 110mph
Potential Track Area: ☐ Day 1-3 ☐ Day 4-5	Watches: ☐ Hurricane ☐ Trop.Storm	Warnings: ☐ Hurricane ☐ Trop.Storm

Early October:
 above-normal temps
 possible impacts from TS Matthew?

Contact Information

- sgh58@cornell.edu or nrcc@cornell.edu
- 607-255-1751

Upcoming Webinars

- Thursday, October 27 at 9:30 am
- Tuesday, November 29 at 9:30 am
- Tuesday, December 20 at 9:30 am

www.nrcc.cornell.edu