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ATLANTIC COAST OBSERVER NETWORK, MD / DE / DC CHAPTER WITH DATA FROM NEARBY AREAS

WARM, DRY MONTH ENDED WITH HEAVY TROPICAL RAINS

September's weather highlight was the heavy tropical rains which fell during the last five days. The heaviest rains of upwards of a foot plus fell in a north-south band along the western shore of the Chesapeake Bay. The following quote was taken from **Jeff Stoudt's Laurel 2E** report "The prospect of a dry September was washed away during the final five days when a quasi-stationary front over the eastern seaboard became a pipeline of tropical moisture all the way to the Caribbean. Waves moving northwards along the front brought episodes of very heavy rain. The last of these was the remnant low of Tropical Storm Nicole. As a result, this "dry" September finished much wetter than average." The greatest rainfall totals for the 29th & 30th reported by ACON observers were:

- 12.54" **John Zyla of Ridge**
 - 8.11" **Dan Hanson of Pasadena 2 N**
 - 5.68" **Brian Smith of Oxon Hill**
 - 5.29" **Kevin Shaw of Gaithersburg 2WNW**
 - 5.29" **Joe Manfre of Baltimore 2 SE**
 - Gary Gallaher of Bear 2 SW DE** reported 5.72" on 9/30 & 10/1 AM.
- Storm total precipitation from the Sterling and Mt Holly radars are on page 3.

September was a dry month until the last 5 days. **David Legates of Middletown 6 N DE**, Delaware State Climatologist, mentioned that there was talk about issuing a drought watch for Delaware before the rains came. Temperatures averaged above normal for the seventh consecutive month.

The month began where August left off, very hot. Temperatures rose into the mid to upper 90's on the 1st and 2nd. After three days of pleasant temperatures with a few locations reporting minimum temperatures in the upper 40's, 90's returned briefly for the 7th and 8th.

Hurricane Earl moved north well off the coast brought only very light rain across the eastern areas on the 3rd.

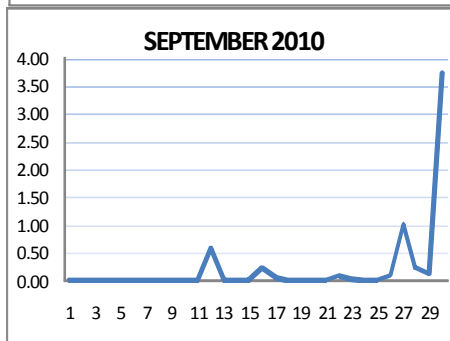
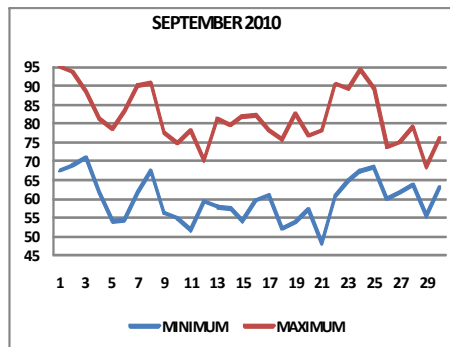
The first significant rains of the

month other fell on the 12th. Amounts ranged from a quarter of an inch to one inch. The maximum temperatures on the 12th generally were in the 60's, the coolest of the month.

Rain from showers and thunderstorms fell on the 16th and 17th. Temperatures fell to the mid 40's on the last day of summer making it the coolest temperatures of the month.

Autumn rolled in more like summer. Maximum temperatures ranged from the mid 80's to the mid 90's from the 22nd to the 25th. Minimums on the 24th and 25th were in the upper 60's to lower 70's.

Tropical moisture flowed north from the 26th to the 30th. Moisture from the remnants from Nichole brought heavy rains on the 29th to October 1st.



ACON MD/DE Network

Daily average temperatures and precipitation based on observation times, not calendar days.

EXTREMES REPORTED BY

ACON OBSERVERS

MAXIMUM TEMPERATURE

Baltimore 2 SE	99
Hagerstown 1 E	99
Smithsburg 2 NE	99
Bryans Road 2 ESE	98
Forest Glen	98

MINIMUM TEMPERATURE

Davis 3 SE WV	40
Millers 4 NE	42
Bear 2 SW DE	43
Emmitsburg 2 SE	43
Smithsburg 1.5 SW	43

WARMEST AVG. TEMP.

Baltimore 2 SE	75.1
Ridge	74.7
Oxon Hill	73.4

COLDEST AVG. TEMP.

Davis 3 SE WV	60.1
Frostburg	63.5
Emmitsburg 2 SE	67.4

MAXIMUM PRECIPITATION

Ridge	14.38
Pasadena 2 N	10.37
Baltimore 2 SE	7.93

MINIMUM PRECIPITATION

Frostburg	3.08
UofD DEOS Newark DE	3.49
Davis 3 SE WV	3.62

Weather Party Saturday, November 6th at the home of Herb Close of Manchester 1 SW MD 2PM till? Contact Herb if directions are needed.

OBSERVER COMMENTS FOR SEPTEMBER 2010

Gary Gallaher of Bear 2 SW, DE

Warm month - began hot and dry and ended mild and wet. Lack of rainfall severely stressed plants until tropical moisture dumped 7.22" of rain from the 26th to the early morning hours of October 1st.

16th - Brief afternoon thunderstorm with PWG of 51 W.

Greg Latta of Frostburg

Three observation days with thunder 12th, 17th, & 23rd.

Nate Mullins of LaVale

September was very warm with near record heat at times without any particularly cold readings.

2nd - 97° was one degree shy of the daily record but the hottest September reading in 56 years.

23rd - Record high min of 65° eclipsing 64° set in 2007.

30th - 3.14" of rain shattered the previous daily record of 1.34" set in 1959. It is the 4th heaviest rain day for September and the 11th heaviest rain day overall since records for this location commenced in 1948.

Jeff Stoudt of Laurel 2 E

September continued the streak of warmer than normal months and added many more days of summery heat or humidity with only a few short and modest interruptions to the extension of summer.

29th-30th - Near the west shores of the Bay rainfalls were double to triple of the ~4.25" that fell at this West County location.

Marty Sharrow of Owings Mills

1st - Hot & humid, hazy sun.

22nd - Thunderstorm 2035 - 2050 hours.

24th - Foggy start: sunny & very hot afternoon.

Joe Manfre of Baltimore 2SE

30th - Cloudy, mild, humid, heavy rain.

Ralph Hartsock of Westminster 4 SSE

5th - "Fall like," sunny, nice.

23rd - Hot as @#%#\$ again.

27th - Yes rain! Some heavy, a soaker

Bobby Miller of Millers 4 NE

20th - Dry FROPA, clear, 100% sun.

22nd - Big storms in late afternoon and evening - great lightening display. Branches down.

Eric Glass of Emmitsburg 2 SE

24th - Heavy fog.

30th - Steady to heavy rain.

Ron Berger of Norbeck 1 SE

Another dry month with ABOVE average precipitation like July and August. Through the 26th, there was only 1.09" with precipitation on only 5 days.

Rob Cohen of Potomac 4 N

14th - Dense morning fog.

22nd - Thundershowers late afternoon and evening.

30th - Heavy rain morning and again evening. 0.71" fell October 1st for a storm total of 4.53".

Rich Giannola of Olney 1 S

29th - 30th - RA began again in late evening with occasional +SHRA. Rain stopped in early of the 30th = 3.02", additional 0.48" by 9:50PM and another 0.23" by midnight.

Richard Holden of Clarksburg 2 ENE

June-August were the hottest months on record with an average temp of 76.7°. The 37 days with 90°+ were the most in a year eclipsing the old record of 35 days in 1999.

30th - Heavy flooding rains.

Stan Rossen of Glenmont 1 NNE

30th - 4.16" does not come close to the September daily or 24 hour record of 7.56" which fell on 9/5-6/1979 of which 7.46" fell on 9/5/1976 from Tropical Storm David.

Kevin Shaw of Gaithersburg 2 WNW

The average minimum temperature of 59.9° surpassed the old September record of 59.8° set in 2008.

2nd - Sunny, hot. High cirrus clouds from Earl afternoon and evening.

30th - Record daily precipitation of 5.20" is the second wettest daily amount for September only surpassed by the 5.41" which fell on 9/5/1979 during the passage of Tropical Storm David.

Joe Terry of Forest Glen

1st - 98° Hottest September day in 15 year station history.

12th - First significant rainfall in 3 1/2 weeks.

22nd - Rapidly developing thunderstorm during the evening. Impressive in-cloud lightning display east after storms departure.

30th - Continuous moderate to heavy rain all AM and into early afternoon (3.05"). After a 4 hour lull, the rain resumed at 1800 with more moderate to heavy rain during the evening (1.22").

Brian Smith of Oxon Hill

30th - Tropical rains 0000-1300 & 1700-2400.

John Zyla of Ridge

12.92" of rain which fell in 40 hours from 9:15 AM Wednesday 9/29 to 1:00 AM Friday 10/1 broke the storm total of 11.11" from hurricane Floyd in September 1999. Monthly total of 14.38" is the highest monthly total which broke the previous record of 12.90" for September 1999.

Max Hutto of Smithsburg 1.5 SW

6th - Labor day cool AM, breezy.

13th - AM dense fog.

22nd - Nearby thunderstorms but none here.

Greg Keefer of Hagerstown 1 E

1st - Sunny, very hot, 98°, & very low humidity.

7th - Sunny, breezy, hot 94°. Very dry air humidity down to 13%, dew point down to 31°.

24th - Tied record of 97° set in 1902

Jim Vaughn of Smithsburg 2 NE

2nd - 99° broke the daily record of 98° set in 1953 and tied the all-time September temperature set 9/10/1953..

Lance Shaffer of Sterling 4 N VA

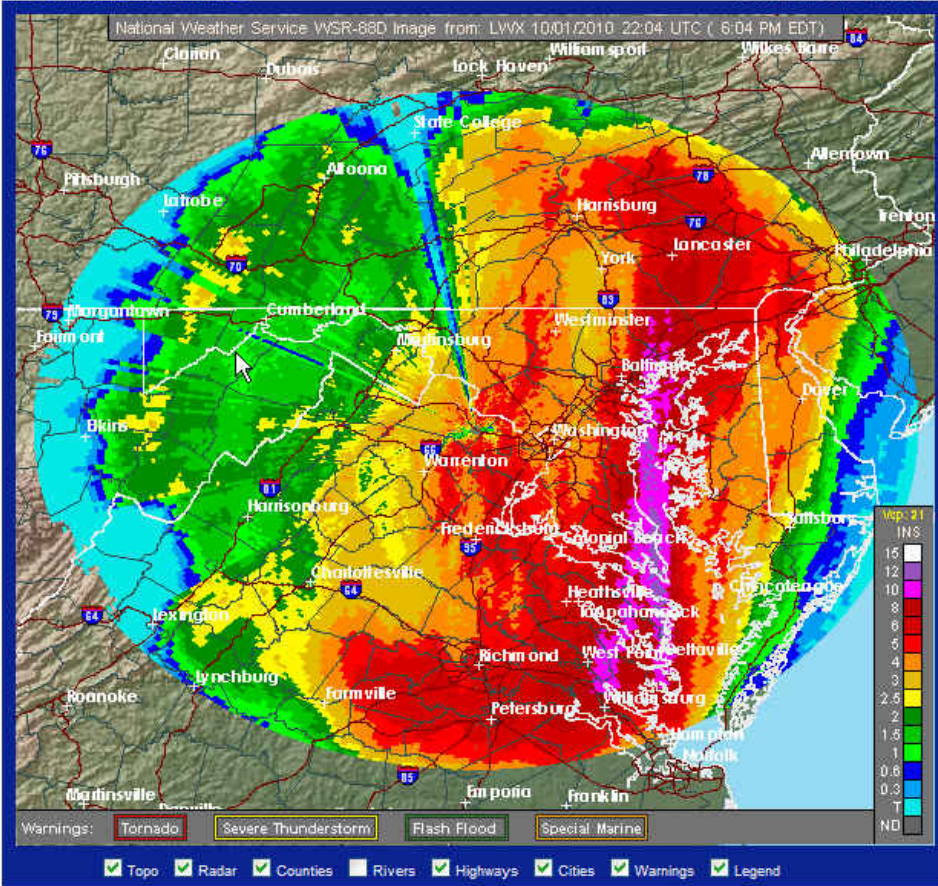
13th - AM fog.

Compiled by Gary Gallaher, MD/DE ACON Data Collector and Report Writer, from data received from dedicated observers. Without your observations each month this report will not be possible.

Storm Total Precipitation

Radar Precip Est From 08:20 AM EDT Wed Sep 29 2010
to 06:04 PM EDT Fri Oct 01 2010

NWS Baltimore, MD / Washington, DC



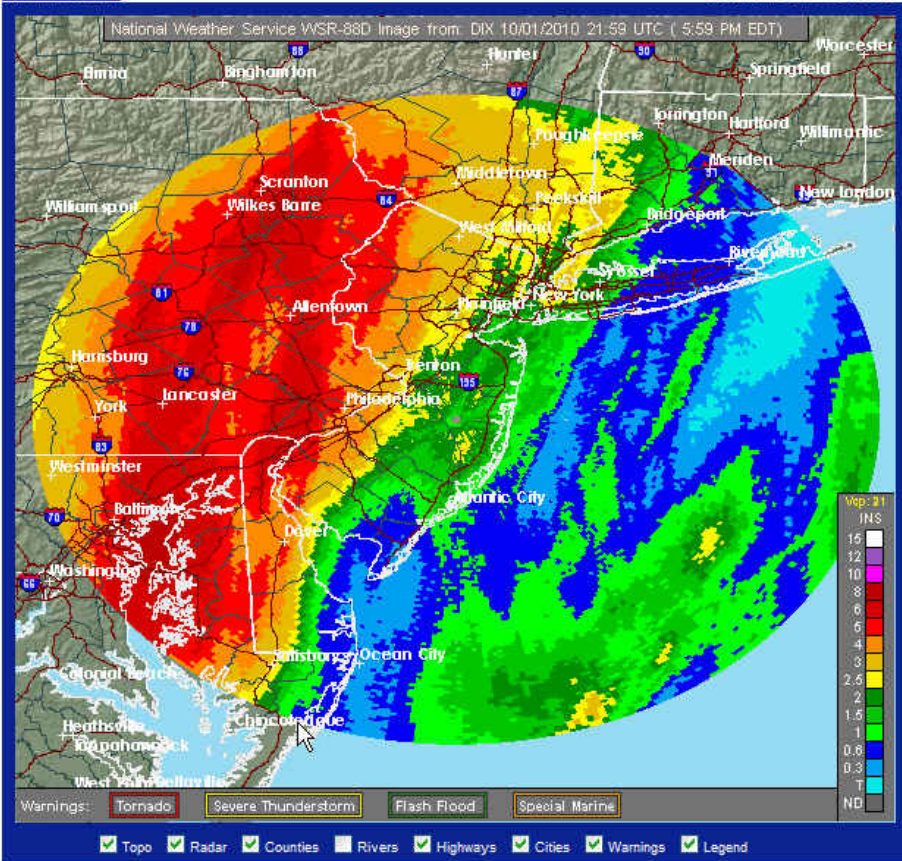
Sterling Radar
Estimated Storm
Total Precipitation.

Time frame:
08:20AM 9/29 to
06:04PM 10/01

Storm Total Precipitation

Radar Precip Est From 10:49 PM EDT Tue Sep 28 2010
to 05:59 PM EDT Fri Oct 01 2010

NWS Mt. Holly, NJ



Mt Holly Radar
Estimated Storm
Total Precipitation.

Time frame:
10:49PM 9/28 to
05:59PM 10/01

**ACON MD / DE / DC
SEPTEMBER 2010 SUMMARY**

OBSERVER	STATION COUNTY, STATE	TEMPERATURE									PEAK WIND			PRECIPITATION					SNOWFALL				OBS TIME	
		AVG MAX	AVG MIN	MEAN	MAX	DAY	MIN	DAY	MAX >=90	MAX <=32	MIN <=32	GUST	DIR	DAY	TOTAL	MAX DAY	DATE	YEAR	DAYS >=.01"	DAYS >=1"	TOTAL	MAX DAY		DATE
<i>New Castle, Delaware</i>																								
Gallagher, Gary	Bear 2 SW	81.9	58.1	70.0	96	1	43	21	6	0	0	51	W	16	5.32	2.69	30	32.52	8	1	0.0	0.0	0.0	2400
Legates, David	Middletown 6 N	82.1	59.3	70.7	95	1	46	21	7	0	0	30		22	4.47	2.38	30	<u>28.72</u>	9	1	0.0	0.0	0.0	2400
NWS Wilmington	New Castle Co. Apt.	81.6	60.0	70.8	96	1	46	21	6	0	0	43	SE	30	5.95	4.32	30	33.78	8	1	0.0	0.0	0.0	2400
UofDE AG FARM DEOS***	Newark	81.7	59.2	70.5	97	1	46	21	7	0	0	22		30	3.49	1.56	30	<u>27.32</u>	10	1				2400
U of D REC DEOS***	Townsend 4 W	80.6	58.6	69.6	94	24	44	21	4	0	0	33		22	4.43	2.10	30	<u>28.28</u>	8	1				2400
<i>Sussex, Delaware</i>																								
NWS Georgetown	Sussex Co. Airport	83.1	61.0	72.1	97	24	47	21	8	0	0	44	S	30	4.09	2.79	27	28.64	10	1				2400
U of D REC DEOS***	Georgetown 5 SW	81.6	60.0	70.8	95	24	45	21	5	0	0	28		30	4.03	1.70	27	<u>23.43</u>	9	2				2400
U of D REC DEOS***	Harbeson 8 S	81.6	59.7	70.7	96	24	44	21	8	0	0	27		30	3.62	2.38	27	<u>27.39</u>	10	1				2400
<i>Allegany, Maryland</i>																								
Latta, Greg	Frostburg	76.1	50.8	63.5	91	2+	44	18	2	0	0				3.08	1.31	28	35.64	8	1	0.0	0.0	0.0	0700
Mullins, Nate**	LaVale	79.0	56.1	67.6	97	2	46	11	5	0	0				5.05	3.14	30	30.90	8	1	0.0	0.0	0.0	2400
<i>Anne Arundel, Maryland</i>																								
Hanson, Dan	Pasadena 2 N	81.8	60.5	71.2	95	1	49	21	7	0	0	38	S	30	10.37	8.09	30	<u>38.22</u>	9	1	0.0	0.0	0.0	2400
Jug Bay Wetlands	Lothian	83.8	58.1	71.0	97	24	45	21	9	0	0				6.77	4.75	30	<u>36.53</u>	8	1	0.0	0.0	0.0	0900
NWS Baltimore	BWI Airport	82.4	59.6	71.0	95	1+	47	21	7	0	0	39	SW	16	8.26	6.02	30	36.52	8	2	0.0	0.0	0.0	2400
Stoudt, Jeff	Laurel 2 E	81.4	61.9	71.7	94	1+	50	21	7	0	0				6.67	4.06	30	37.71	9	2	0.0	0.0	0.0	2400
<i>Baltimore, Maryland</i>																								
Sharrow, Marty	Owings Mills 2 SE	80.5	58.9	69.7	96	1	47	21	4	0	0				6.54	4.72	30	31.20	7	1	0.0	0.0	0.0	2400
<i>Baltimore City, Maryland</i>																								
Manfre, Joe	Baltimore 2 SE	84.0	66.2	75.1	99	1	58	18	8	0	0				7.93	5.24	30	34.59	8	2	0.0	0.0	0.0	1800
Maryland Science Ctr	Baltimore Inner Harbor	83.4	65.8	74.6	98	1	58	18	8	0	0				8.18	5.72	30	35.29	9	3				2400
<i>Carroll, Maryland</i>																								
Close Jr, Herb	Manchester 1 SW	80.3	57.4	68.9	96	1	46	21	5	0	0				6.64	3.17	30	32.88	8	2	0.0	0.0	0.0	2300
Hartsock, Ralph	Westminster 4 SSE	81.5	59.9	70.7	95	1	47	21	6	0	0				6.13	2.98	30	32.74	10	2	0.0	0.0	0.0	1900
Miller, Bobby	Millers 4 NE	81.2	56.4	68.8	93	1+	42	21	4	0	0	52	WNW	22	5.86	2.30	30	33.41	9	2	0.0	0.0	0.0	1800
Muller, Ray	Westminster City																	<u>15.86</u>						1900
<i>Charles, Maryland</i>																								
Brumback, Marty	Bryans Road 2 ESE	84.6	61.5	73.1	98	1+	50	21	9	0	0				3.76	2.39	30	31.64	8	1	0.0	0.0	0.0	2400/2000
<i>Frederick, Maryland</i>																								
Glass, Eric	Emmitsburg 2 SE	79.9	54.9	67.4	93	3	43	22	6	0	0				4.04	1.50	30	<u>32.18</u>	7	2	0.0	0.0	0.0	0700
<i>Garrett, Maryland</i>																								
Harvey, Rebecca	Eagle Rock																	<u>4.60</u>						0800

**ACON MD / DE / DC
SEPTEMBER 2010 SUMMARY**

OBSERVER	STATION COUNTY, STATE	TEMPERATURE									PEAK WIND			PRECIPITATION					SNOWFALL				OBS TIME					
		AVG MAX	AVG MIN	MEAN	MAX	DAY	MIN	DAY	MAX >=90	MAX <=32	MIN <=32	GUST	DIR	DAY	TOTAL	MAX DAY	DATE	YEAR	DAYS >=.01"	DAYS >=1"	TOTAL	MAX DAY		DATE	SEA- SON			
<i>Howard, Maryland</i>																												
Giannola, Rich	Laurel JHU / APL	80.7	60.1	70.4	95	1	48	21	4	0	0	45	SE	30	4.56	2.71	30	32.26	8	1	0.0	0.0	0.0	2400				
<i>Montgomery, Maryland</i>																												
Berger, Ron	Norbeck 1 SE	80.5	60.2	70.4	95	1	47	21	4	0	0				5.35	3.49	30	37.23	9	1	0.0	0.0	0.0	2200				
Cohen, Rob	Potomac 4 N	81.1	60.9	71.0	93	1+	49	21	6	0	0				6.22	3.80	30	37.14	9	2	0.0	0.0	0.0	2100				
Giannola, Rich	Olney 1 S	81.9	60.9	71.4	95	1	50	21	7	0	0				6.34	3.75	29-30	34.24	7	2	0.0	0.0	0.0	2400				
Holden, Richard	Clarksburg 2 ENE	80.9	59.5	70.2	94	1+	49	21	5	0	0	36	SSE	30	7.20	4.83	30	36.17	8	1	0.0	0.0	0.0	2400				
Roth, David	Montgomery Village 1SW	81.8	57.6	69.7	96	1	44	21	6	0	0				7.08	4.42	30	<u>35.23</u>	7	2				2400				
Rossen, Stan	Glenmont 1 NNE	82.6	59.6	71.1	97	24	48	21	8	0	0	32	SSE	30	6.26	4.16	30	36.71	9	1	0.0	0.0	0.0	2400				
Scafide, Tony	Bethesda	79.7	61.2	70.5	91	1+	51	21	2	0	0	13		8+	7.01	4.26	30	<u>29.95</u>	9	2				2400				
Shaw, Kevin	Gaithersburg 2 WNW	80.4	59.9	70.2	93	1+	48	21	3	0	0	18	N	9	7.31	5.20	30	35.91	8	2	0.0	0.0	0.0	2400				
Terry, Joe	Forest Glen	84.6	59.9	72.3	98	1	48	21	8	0	0	30	SSE	30	5.86	4.27	30	38.55	9	1	0.0	0.0	0.0	2400				
<i>Prince Georges, Maryland</i>																												
Smith, Brian	Oxon Hill	84.2	62.5	73.4	97	1	51	21	8	0	0				6.45	5.34	30	33.78	5	1	0.0	0.0	0.0	2300				
<i>St. Marys, Maryland</i>																												
Abell, Floyd	Hollywood	STATION CLOSED APRIL 2010																										2400
Zyla, John	Ridge	83.1	66.2	74.7	97	24	58	10	8	0	0	25	SE	20	14.38	11.34	30	42.46	6	2	0.0	0.0	0.0	2400				
<i>Washington, Maryland</i>																												
Hutto, Max	Smithsburg 1.5 SW	81.1	55.4	68.3	97	2	43	21	7	0	0	27		30	7.57	3.66	30	31.10	8	2	0.0	0.0	0.0	2400				
Keefer, Greg	Hagerstown 1 E	82.4	57.2	69.8	99	2	45	21	7	0	0	39	W	8	6.56	3.26	30	27.99	9	2	0.0	0.0	0.0	2400				
Vaughn, Jim	Smithsburg 2 NE	80.8	58.1	69.5	99	2	49	18+	7	0	0	55	SE	30	6.26	3.40	30	28.53	6	2	0.0	0.0	0.0	2400				
<i>Wicomico, Maryland</i>																												
NWS Salisbury	Wicomico Co. Apt	81.8	60.0	70.9	95	24	49	10+	5	0	0	43	ESE	30	4.99	2.79	27	30.91	7	2	0.0	0.0	0.0	2400				
<i>Arlington, Virginia</i>																												
NWS Washington National	National Airport	85.4	65.6	75.5	99	24	56	21	10	0	0	40	SE	30	6.02	4.66	30	27.38	7	1	0.0	0.0	0.0	2400				
<i>Loudon, Virginia</i>																												
NWS Washington Dulles	Dulles Airport	83.8	58.8	71.3	97	24	46	21	9	0	0	35	W	30	6.16	4.74	30	32.75	8	1	0.0	0.0	0.0	2400				
Shaffer, Lance	Sterling 4 N	81.1	61.9	71.5	93	1+	48	21	7	0	0				6.17	4.49	29-30	33.05	7	1	0.0	0.0	0.0	2400				
<i>Tucker, West Virginia</i>																												
Leshner, Dave	Davis 3 SE WV	71.3	48.8	60.1	84	3	40	5+	0	0	0				3.62	1.35	17	39.54	10	1	0.0	0.0	0.0	0700				
SECTION AVERAGE*		81.2	58.3	69.8											6.01		33.07				0.0		0.0					

NOTES:

M OR UNDERLINE= MISSING DATA
> = INCLUDED IN NEXT DAYS DATA
ITALIC = ESTIMATED DATA

*SECTIONAL AVERAGE DOES NOT INCLUDE DATA FROM WEST VIRGINIA.

**OBSERVER FOR LAVALE IS SCOTT LOHR. DATA COMPILED BY NATE MULLINS.

*** DATA FROM DEOS (DELAWARE ENVIROMENTAL OBSERVING SYSTEM) PERMISSION GRANTED FOR USE OF DATA

*** REC= UNIVERSITY of DELAWARE RESEARCH AND EDUCATION CENTER

National Weather Service station data listed herein is preliminary and may be subject to change. The data has not been certified and cannot be used in legal actions.
Only reports certified by the National Climatic Data Center in Asheville, NC may be used for these purposes.
Accuracy of Data from ACON Observers not guaranteed.

GARY GALLAHER 10/29/10

ACON MD / DE / DC
SEPTEMBER 2010 DAILY TEMPERATURES

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	AVG	OBS TIME
BEAR 2 SW, DE GALLAHER	96	94	92	81	78	83	90	92	76	76	80	66	79	81	80	87	81	77	83	77	78	89	86	92	89	70	77	81	71	76	81.9	2400
MIDDLETOWN 6 N LEGATES	95	93	91	82	78	83	90	92	76	75	80	66	80	80	80	87	79	77	82	77	79	90	87	94	89	70	77	82	71	77	82.1	2400
WILMINGTON , DE NWS NEW CASTLE CO APT	96	94	91	82	78	81	90	92	77	75	79	67	79	81	80	85	80	77	83	78	75	89	83	92	89	69	77	81	72	77	81.6	2400
NEWARK AG FARM, DE U OF DE DEOS	97	95	90	81	78	83	91	92	75	74	80	65	80	80	79	88	78	76	84	75	78	89	86	93	90	70	76	81	71	76	81.7	2400
TOWNSEND 4 W, DE U of D REC DEOS	93	91	87	80	76	81	88	90	74	74	78	66	78	79	78	86	79	74	81	75	78	89	86	94	88	69	79	82	70	78	80.6	2400
GEORGETOWN, DE NWS SUSSEX CO APT	96	92	84	82	80	85	90	92	77	75	79	68	80	84	81	90	82	77	84	79	81	92	89	97	92	74	78	80	72	80	83.1	2400
GEORGETOWN, DE U of D REC DEOS	93	90	82	82	79	83	86	91	75	74	78	67	79	82	80	87	80	77	84	76	80	88	91	95	89	75	77	79	70	80	81.6	2400
HARBESON 8 S, DE U of D REC DEOS	94	92	83	83	82	81	90	92	76	74	77	68	80	83	81	90	80	73	79	75	76	90	84	96	91	73	77	79	71	79	81.6	2400
FROSTBURG LATTA	89	91	91	89	67	70	83	89	79	67	64	78	70	78	73	78	62	66	77	80	73	80	86	85	87	77	65	62	66	60	76.1	0700
LAVALE MULLINS**	94	97	96	73	73	86	93	83	72	72	80	76	86	78	80	59	70	76	84	75	87	89	89	91	82	72	62	66	66	64	79.0	2400
PASADENA 2 N HANSON	95	92	88	82	80	82	90	93	78	76	78	68	80	81	78	82	81	77	83	78	75	91	87	93	91	75	76	81	68	76	81.8	2400
LOTHIAN JUG BAY	96	96	92	87	85	83	86	93	93	82	78	80	M	82	83	87	82	76	84	59	79	92	90	97	91	72	78	82	66	78	83.8	0900
BALTIMORE NWS BWI APT	95	92	88	82	78	82	91	92	79	77	78	68	81	80	84	86	80	76	84	78	77	91	89	95	91	73	77	81	68	78	82.4	2400
LAUREL 2 E STOUDT	94	94	86	81	78	84	91	91	78	74	79	67	78	78	83	83	78	76	83	78	79	91	87	93	90	72	75	77	68	76	81.4	2400
OWINGS MILLS 2SE SHARROW	96	94	86	79	79	83	89	89	74	74	76	67	80	75	81	78	79	75	81	76	77	90	88	93	88	71	74	79	68	75	80.5	2400
BALTIMORE 2SE MANFRE	99	94	90	83	81	84	93	94	79	78	79	70	88	81	84	87	82	78	86	77	77	93	88	97	93	76	79	82	70	79	84.0	1800
BALT INNER HARBOR MD SCIENCE CENTER	98	94	91	83	80	84	93	93	78	76	79	70	84	81	82	86	82	77	84	77	76	93	87	97	92	75	79	82	70	78	83.4	2400
MANCHESTER 1SW CLOSE	96	94	87	79	77	83	90	89	74	76	78	63	81	77	80	74	79	74	83	74	76	92	89	94	88	70	72	79	69	73	80.3	2300
WESTMINSTER 4 SSE HARTSOCK	95	94	92	79	77	83	88	87	77	77	81	69	82	78	81	79	79	74	83	73	76	90	90	92	86	78	76	81	72	77	81.5	1900
MILLERS 4NE MILLER	93	93	88	83	75	81	88	87	83	73	78	74	82	80	79	75	75	73	83	79	75	90	88	92	88	82	72	78	73	75	81.2	1800
WESTMINSTER CITY MULLER																																1900
BRYANS ROAD 2 ESE BRUMBACK	98	94	88	84	82	87	93	96	79	75	80	71	84	85	85	91	81	78	86	80	80	93	94	98	93	75	76	86	67	79	84.6	2400
EMMITSBURG 2 SE GLASS	90	92	93	88	77	75	82	90	88	74	73	75	66	83	77	81	68	75	72	81	75	76	90	88	92	86	72	74	78	66	79.9	0630
	60	63	65	64	54	48	58	59	54	56	46	48	58	54	51	51	56	48	48	52	44	43	57	63	64	59	59	60	52	52	54.9	EDT

ACON MD / DE / DC
SEPTEMBER 2010 DAILY TEMPERATURES

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	AVG	OBS TIME	
EAGLE ROCK HARVEY																																	0800 EST
LAUREL JHU / APL GIANNOLA	95	92	87	78	78	84	89	89	74	73	77	66	81	77	83	84	77	75	82	74	78	90	89	94	89	71	74	80	67	76	80.7	2400 EDT	
NORBECK 1 SE BERGER	95	94	86	79	77	84	89	90	77	73	78	68	78	76	82	80	76	74	82	76	78	89	89	92	88	74	74	76	66	75	80.5	2200 EDT	
POTOMAC 4N COHEN	93	93	86	80	79	85	90	90	77	73	77	71	82	75	82	80	76	75	82	77	77	90	88	93	88	74	74	80	70	76	81.1	2100 EDT	
OLNEY 1 S GIANNOLA	95	94	85	80	79	85	91	92	77	>	>	>	80	76	83	80	77	75	82	75	78	90	89	94	90	71	74	79	66	75	81.9	2400 EDT	
CLARKSBURG 2ENE HOLDEN	94	93	86	78	77	83	89	89	76	74	78	69	84	77	83	77	77	75	83	76	77	91	90	94	89	73	74	79	65	76	80.9	2400 EST	
MONTGOMERY VILLAGE ROTH 1SW	96	95	89	80	78	85	92	91	76	74	77	70	83	78	82	83	79	76	83	78	77	90	89	95	88	71	75	79	67	77	81.8	2400 EDT	
GLENMONT 1NNE ROSSEN	95	96	84	81	80	87	94	93	78	73	79	69	85	76	84	83	78	77	84	76	82	94	92	97	92	73	74	81	65	77	82.6	2400 EST	
BETHESDA SCAFIDE	91	89	85	78	76	81	87	89	76	73	75	70	81	77	82	81	76	74	80	77	76	88	87	91	87	73	74	77	66	76	79.7	2400 EDT	
GAITHERSBURG 2WNW SHAW	93	91	87	79	78	82	89	89	76	73	76	70	82	77	82	80	76	75	81	77	77	89	88	93	89	71	75	79	66	76	80.4	2400 EDT	
FOREST GLEN TERRY	98	95	89	83	81	87	93	94	81	77	81	72	85	80	87	86	82	79	87	81	82	94	93	97	92	76	76	84	68	79	84.6	2400 EDT	
OXON HILL SMITH	97	95	88	82	81	87	93	94	80	75	81	71	84	82	85	89	80	79	85	79	81	94	94	96	92	76	77	82	68	79	84.2	2300 EDT	
HOLLYWOOD ABELL																																2359 EDT	
RIDGE ZYLA	96	90	84	85	83	84	92	94	79	75	78	70	82	86	85	91	83	75	80	79	77	93	85	97	91	76	76	81	70	75	83.1	2400 EDT	
SMITHSBURG 1.5 SW HUTTO	96	97	94	76	77	84	92	87	73	73	77	72	85	78	83	68	75	75	83	75	78	93	91	94	86	73	75	80	68	75	81.1	2400 EDT	
HAGERSTOWN 1E KEEFER	98	99	96	77	79	86	94	89	74	74	80	72	87	81	85	70	76	77	85	77	79	95	92	97	87	73	73	78	67	74	82.4	2400 EDT	
SMITHSBURG 2 NE VAUGHN	97	99	95	75	76	83	91	86	71	72	77	71	84	78	82	69	74	75	83	74	77	95	92	95	85	71	75	77	66	78	80.8	2400 EDT	
SALISBURY NWS WICOMICO CO APT	93	90	79	81	79	83	88	88	77	76	79	67	79	83	81	89	82	77	82	79	79	88	92	95	90	73	77	78	71	79	81.8	2400 EST	
WASH NATIONAL NWS ASOS	97	95	91	85	82	87	94	96	81	78	80	73	85	84	86	92	82	79	85	81	80	95	93	99	93	76	78	84	69	81	85.4	2400 EST	
WASH DULLES NWS ASOS	95	93	90	82	79	84	92	93	79	76	79	76	87	81	86	85	78	79	86	80	94	93	97	93	73	73	76	81	66	79	83.8	2400 EST	
STERLING 4 N SHAFFER	93	93	87	81	79	84	90	90	79	74	77	73	83	76	81	79	76	77	80	79	78	90	88	93	90	70	75	79	64	76	81.1	2400 EDT	
DAVIS 3 SE WV LESHAR	82	82	84	80	59	64	77	80	71	62	64	73	65	71	71	73	69	63	76	76	72	76	78	78	80	70	62	65	56	60	71.3	0700 EDT	

ACON MD / DE / DC
SEPTEMBER 2010 DAILY PRECIPITATION

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	OBS TIME											
BEAR 2 SW, DE GALLAHER			T									0.25				0.44	0.05															0.39					0.08	0.47	0.95	T	2.69		5.32 0.0	2400 EDT
MIDDLETOWN 6 N LEGATES												0.34		0.01		0.37	0.03																				0.07	0.41	0.51		2.38		4.47	2400 EDT
WILMINGTON, DE NWS NEW CASTLE CO APT								T				0.32				0.41	0.01										0.23	0.19	0.09	T	4.32									5.95 0.0	2400 EST			
NEWARK AG FARM, DE U OF DE DEOS												0.21				0.76	0.04										0.15	0.47	0.11	0.01	1.56									3.49	2400 EDT			
TOWNSEND 4 W, DE U of D REC DEOS												0.27				0.67											0.05	0.63	0.19	0.01	2.10									4.43	2400 EDT			
GEORGETOWN, DE NWS SUSSEX CO APT			0.01									0.46				0.02	0.02										0.05	2.79	0.12	0.04	0.57									4.09 -	2400 EST			
GEORGETOWN, DE U of D REC DEOS			0.01									0.46				0.01	0.09										0.08	1.70	0.13	0.07	1.48									4.03	2400 EDT			
HARBESON 8 S, DE U of D REC DEOS			0.03									0.66	0.02				0.02										0.18	2.38	0.20	0.01	0.08									3.62	2400 EDT			
FROSTBURG LATTA				0.11								0.23					0.71	T										0.19	1.31	0.04	0.43									3.08 0.0	0700 EDT			
LAVALE MULLINS**			0.01								0.23					0.51											0.07	0.67	0.33	T	3.14									5.05 0.0	2400 EDT			
PASADENA 2N HANSON			0.01									0.80				0.23	0.05										0.17	0.95	0.05	0.02	8.09									10.37 0.0	2400 EDT			
LOTHIAN JUG BAY												0.57	>	0.28	0.01		0.05										0.03	0.98		0.10	4.75									6.77 0.0	0900 EDT			
BWI NWS ASOS			T									0.83				0.06	0.07		T								0.15	1.03	0.03	0.07	6.02									8.26 0.0	2400 EST			
LAUREL 2 E STOUDT												0.79				0.08	0.02										0.17	T			4.06									6.67 0.0	2400 EST			
OWINGS MILLS 2SE SHARROW												0.58				0.12											0.15	0.93	0.02	0.02	4.72									6.54 0.0	2400 EDT			
BALTIMORE 2SE MANFRE			T									0.76				0.17	0.05										T			5.24									7.93 0.0	1800 EDT				
BALT INNER HARBOR MD SCIENCE CENTER												1.01				0.16	0.05										0.16	1.01	0.02	0.04	5.72									8.18 -	2400 EST			
MANCHESTER 1SW CLOSE												0.68				0.34	0.10										0.04	2.00	0.24	T	3.17									6.64 0.0	2300 EDT			
WESTMINSTER 4 SSE HARTSOCK												0.57				0.08	0.24										0.21	0.24			2.98									6.13 0.0	1900 EDT			
MILLERS 4NE MILLER			T									0.71				0.08	0.23										0.39	0.96			2.30									5.86 0.0	1800 EDT			
WESTMINSTER CITY MULLER																																										1900 EDT		
BRYANS ROAD 2 ESE BRUMBACK												0.46				0.01	0.17										0.05	0.29	0.02	0.37	2.39									3.76 0.0	2000 EDT			
EMMITSBURG 2 SE GLASS												0.53	0.19				0.39											0.23	1.01	0.19	1.50									4.04 0.0	0630 EDT			

ACON MD / DE / DC
SEPTEMBER 2010 DAILY PRECIPITATION

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	OBS TIME			
EAGLE ROCK HARVEY																																	0800 EST			
LAUREL JHU / APL GIANNOLA												0.73				0.14	0.06										0.06	0.71		0.11	2.71		4.56 0.0	2400 EDT		
NORBECK 1 SE BERGER												0.77				0.18	0.05										0.08	0.70	0.05	0.02	3.49		5.35 0.0	2200 EDT		
POTOMAC 4N COHEN												0.67				0.20	0.04										0.12	1.23	0.08	0.02	3.80		6.22 0.0	2100 EDT		
OLNEY 1 S GIANNOLA												0.55				0.21	0.09										>	1.67	0.04	>	3.75		6.34 0.0	2400 EDT		
CLARKSBURG 2ENE HOLDEN												0.59				0.22	0.03										0.14	0.74	0.38	0.27	4.83		7.20 0.0	2400 EST		
MONTGOMERY VILLAGE ROTH 1SW												0.69				0.10	0.08										0.11	1.55		0.13	4.42		7.08 0.0	2400 EDT		
GLENMONT 1NNE ROSSEN												0.79				0.15	0.01										0.12	0.48	0.02	0.42	4.16		6.26 0.0	2400 EST		
BETHESDA SCAFIDE												0.51				0.13	0.04										0.04	1.80	0.02	0.20	4.26		7.01 -	2400 EDT		
GAITHERSBURG 2WNW SHAW												0.53				0.15	0.07																	7.31 0.0	2400 EDT	
FOREST GLEN TERRY												0.56				0.09	0.02																	5.86 0.0	2400 EDT	
OXON HILL SMITH												0.69				0.03	0.05																	6.45 0.0	2300 EDT	
HOLLYWOOD ABELL																																		0.00 0.0	2359 EDT	
RIDGE ZYLA			0.06									0.99					0.02																	14.38 0.0	2400 EDT	
SMITHSBURG 1.5 SW HUTTO												0.75	0.01			0.85	0.01											0.01	1.59	0.69		3.66		7.57 0.0	2400 EDT	
HAGERSTOWN 1E KEEFER												0.56				0.69												0.20	0.04					6.56 0.0	2400 EDT	
SMITHSBURG 2 NE VAUGHN												0.68				0.69																		6.26 0.0	2400 EDT	
SALISBURY NWS WICOMICO CO APT			0.16									0.71					T																	4.99 0.0	2400 EST	
WASH NATIONAL NWS ASOS												0.67				0.03	0.01											0.10	0.20	T	0.35	4.66		6.02 0.0	2400 EST	
WASH DULLES NWS ASOS												0.46				0.08	0.01																	6.16 0.0	2400 EST	
STERLING 4 N SHAFFER			T									0.45				0.14																		6.17 0.0	2400 EDT	
DAVIS 3 SE WV LESHER				0.02				0.17				0.15					1.35	0.05																	3.62 0.0	0700 EDT