



VOLUME 2011

ISSUE AUGUST

<http://www.jhuapl.edu/weather/education/ACONdata.html>

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

EXTREMELY HEAVY RAINS IN EASTERN AREAS HURRICANE IRENE PASSED JUST OFFSHORE

August temperatures averaged above normal but were much closer to normal than they were in July. The months highlight was its precipitation. The further east the wetter it was. Well over a foot fell in St. Marys County Maryland and New Castle County Delaware. Just northeast of the region NWS Philadelphia Pa reported 19.31" of rain which exceeded the previous August record set in 1911 by 7.21" and the all-time monthly record by 6.24" set in September 1999 with Floyd.

One tropical event occurred. Hurricane Irene, an extremely large storm, was barely a category 1 storm as it travelled NNE just off the Atlantic Coast of Maryland and Delaware during the 27th and the early morning hours of the 28th. 60 MPH wind gusts occurred at some locations from Carroll County eastward.

July's heat continued into the first two days of August. From the third till the end of the month maximums in the 80's were common long with a few 70's and 90's but the humid conditions remained as a result of frequent showers. The only $\geq 100^{\circ}$ temperature reported at an ACON station occurred on the 1st at **Baltimore 2 SE**. The last 90 degree readings occurred on the 21st. Minimum temperatures fell into the comfortable 50's on the 12th, 13th, 23rd, 29th, and 30th at many locations.

There were only six days without measureable precipitation: 11th, 12th, 23rd, 24th, 30th, & 31st. Showers and thunderstorms occurred throughout the month. Scattered heavy storms occurred on the 6th and 7th. **Richard Holden** of **Clarksburg 2 ENE** measured 1.72", **Ray Muller** of **Reisterstown** 1.70", **Brian Smith** of **Oxon Hill** 1.50", and **Jeff Stoudt** of **Laurel 2 E** 1.44".

Heavy showers and thunderstorms occurred from the 13th to 15th. Over a months worth of rain fell in New Castle County Delaware. **DEOS Townsend 4 W DE** observed 7.34", **Gary Gallaher** of **Bear 2 SW DE** 6.65", and **David**

Legates of Middletown 6 N 5.10".

More scattered heavy showers occurred on the 18th, 19th, and 21st. **Dan Hanson** of **Pasadena 2 N** reported 4.63". Hail was reported on the 18th by **Stan Rossen** of **Glenmont 1 NNE** - pea size to 3/4", and **Greg Keefer** of **Hagerstown 1 E** - pea size with reports to nickel size across the Hagerstown area.

A non weather related event occurred on the 18th. At 1:51 PM a 5.8 earthquake occurred in Northern Virginia. **Rich Giannola** reported that it caused the tipping bucket rain gauge at **Laurel JHU/APL** to record 0.01". It left a vibration mark on **Gary Gallaher's Bear 2 SW DE** recording rain gauge. Picture on page 3.

Hurricane Irene made landfall near Cape Lookout, North Carolina the

EXTREMES REPORTED BY ACON OBSERVERS

MAXIMUM TEMPERATURE

Baltimore 2 SE	101
Bryans Road 2 ESE	99
Oxon Hill	99

MINIMUM TEMPERATURE

Davis 3 SE WV	45
Frostburg	49
Smithsburg 1.5 SW	49
Millers 4 NE	50
Hagerstown 1 E	50

WARMEST AVG. TEMP.

Baltimore 2 SE	80.7
Ridge	78.5
Hollywood 3 ENE	77.4

COLDEST AVG. TEMP.

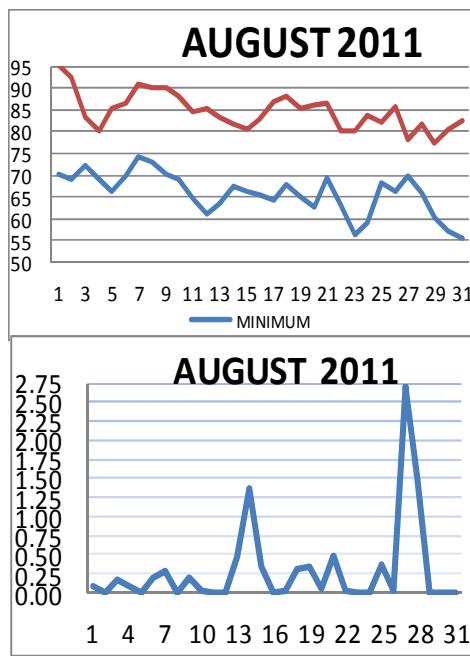
Davis 3 SE WV	64.6
Frostburg	68.8
Manchester 1 SW	72.5

MAXIMUM PRECIPITATION

DEOS Townsend 4 W DE	20.00
Ridge	15.42
Bear 2 SW DE	15.02

MINIMUM PRECIPITATION

LaVale	3.77
Frostburg	4.10
Olney 1 S	5.03



ACON MD/DE Network

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

morning of the 27th. It then moved NNE returning to the Atlantic east of Norfolk, then paralleled the coast till it made landfall again in Central New Jersey. Comments concerning the storm from ACON observers can be found in the Observer Comments Section.

Sunny, dry, pleasant temperatures followed in the wake of Hurricane Irene.

OBSERVER COMMENTS FOR AUGUST 2011

Gary Gallaher of Bear 2 SW, DE

15.02" of rain, an all-time record wettest month. Old record was 13.53" set in August 1967.

14th - Heavy showers and thunderstorms. 5.12" of rain tied 8/27/1971 for the wettest August day. 6.32" of rain fell during the heavy rain event of the 13th & 14th.

19th - Lightning struck the house next door at 6:19 PM.

27th & 28th - Hurricane Irene: Precipitation 6.23". Minimum barometric pressure 28.81" an August record and lowest since 28.41" on 3/13/1993. PWG 43 W @ 12:14 PM on 28th.

Summer 2011: Precipitation 24.45" Wettest on record. Old record was 23.24" set in 2004. Average temperature 75.5°, 9th warmest of 45 years. ≥90° 21 days, exactly average.

David Legates of Middletown 6N

27th & 28th - Hurricane Irene: Precipitation 6.44", PWG 31 on the both days.

U of D Newark AG Farm DEOS, DE

27th & 28th - Hurricane Irene: Precipitation 7.13", PWG 26 on the 27th.

U of D Townsend 4 W DEOS, DE

27th & 28th - Hurricane Irene: Precipitation 8.36", PWG 32 on the 28th.

U of D Georgetown 5 SW DEOS, DE

27th & 28th - Hurricane Irene: Precipitation 7.05", PWG 43 on the 27th.

U of D Harbeson 8 N DEOS, DE

27th & 28th - Hurricane Irene: Precipitation 6.67", PWG 38 on the 27th.

U of D Rehoboth Beach Bwk DEOS, DE

27th & 28th - Hurricane Irene: Precipitation 6.10", PWG 45 on the 27th.

Greg Latta of Frostburg

27th & 28th - Hurricane Irene: Precipitation 0.38".

Nate Mullins of LaVale

Maximum temperatures generally around normal, with a remarkable 24 days in the 80's.

3rd to 8th - Six consecutive minimum temperatures in the 70's. The first five were record high minimums.

14th - Over half of the months rain fell when a slow moving, intense storm dumped over 2" of rain.

27th & 28th - Hurricane Irene: Precipitation 0.06".

Summer 2011: Second hottest with a mean temperature 74.4°. Record hottest 75.6° set in 2010.

Dan Hanson of Pasadena 2 N

27th & 28th - Hurricane Irene: Precipitation 5.05", PWG 49 NE on the 27th.

Jeff Stoudt of Laurel 2 E

August was the wettest of 17 years of non-continuous weather observations at this location surpassing the August 1999 mark of 7.80".

27th & 28th - Hurricane Irene: Precipitation 4.64". Irene brought considerable tree damage and moderate flooding to this area.

Ray Muller of Reisterstown

27th & 28th - Hurricane Irene: Precipitation 3.27". Minimum barometric pressure 29.06" @ 3:30 AM. PWG 33 NE at 2005 hours on the 27th.

Marty Sharroo of Owings Mills

1st - Partly cloudy, hot & humid. Evening thunderstorm. Wind gust 33 MPH from the NE at 2005 hrs.

23rd - Brilliant sunshine and pleasant.

27th & 28th - Hurricane Irene: Precipitation 4.60" PWG 46 NNE.

Joe Manfre of Baltimore 2SE

1st - Very hot, moderate humidity, evening thunderstorms.

27th & 28th - Hurricane Irene: Precipitation 3.90".

30th - Partly cloudy, warm, low humidity.

Herb Close of Manchester 1 SW

27th & 28th - Hurricane Irene: Precipitation 3.86".

Ralph Hartsock of Westminster 4 SSE

4th - Overnight light rain showers, clearing and warm.

6th - Heavy overnight showers after obs time.

19th - Brief shower, bad lightning around.

27th & 28th - Hurricane Irene: Precipitation 2.70", PWG 47 WSW on the 27th.

28th - Power outages from Hurricane Irene.

Bobby Miller of Millers 4 NE

17th - AM heavy dew, some afternoon scattered CU few CI.

18th - Storm before midnight, vivid lightning.

27th & 28th - Hurricane Irene: Precipitation 4.42". Peak of Hurricane Irene was from about 11:30 PM on the 27th to about 4 AM on the 28th. PWG 60 MPH NNE @ 2:36 AM 28th. Minimum barometric pressure 29.10" @ 4:09 AM 28th. There were a few whole trees uprooted due to heavy precipitation and some large branches down in the area but nothing like Isabel. Isabel had a stronger wind for a longer period of time. The power was out for 4 days, 19 hours, 37 minutes from 12:04 AM on the 28th till 9/1.

Marty Brumback of Bryans Road 2 ESE

3rd - Overcast. Sprinkles began at about 6:30 AM and continued intermittently throughout the day.

27th & 28th - Hurricane Irene: Precipitation 5.26", PWG 42 MPH on the 27th. No damage or flooding.

Eric Glass of Emmitsburg 2 SE

4th - Breezy, overcast, humid and cooler.

20th, 21st, & 26th - Morning Fog.

27th & 28th - Hurricane Irene: Precipitation 1.63".

Rich Giannola of JHU/APL Laurel

27th & 28th - Hurricane Irene: Precipitation 3.44", PWG 54 MPH N @ 11:53 PM the 27th. Minimum barometric pressure 29.11" on the 28th.

Ron Berger of Norbeck 1 SE

27th & 28th - Hurricane Irene: Precipitation 3.07".

Rob Cohen of Potomac 4 N

27th & 28th - Hurricane Irene: Precipitation 2.14" Minimal tree damage.

Continued on Page 3

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.

August 2011 MD / DC / DE Report

Observer Comments Continued From Page 2

Rich Giannola of Olney 1 S

27th & 28th - Hurricane Irene: Precipitation 2.51".

Richard Holden of Clarksburg 2 ENE

14th - Heavy rain. AM minimum temperature 69°.

27th & 28th - Hurricane Irene: Precipitation 2.05", PWG 52 MPH NNW on the 28th. Minimum barometric pressure 29.17" on the 28th.

Stan Rossen of Glenmont 1 NNE

4th - It was 35 years ago today that I bought my 8" rain gauge from Belfort Instruments in Baltimore, brought it home, and set it up on the back corner of the patio in my back yard for use. It is still the rain gauge of record, although it is now in front of the house where it has been for the past dozen years as trees grew around the back yard.

18th - Mostly pea size hail 5:23 PM to 5:27 PM EST. The largest hail stones were 1/2" to 3/4".

27th & 28th - Hurricane Irene: Precipitation 3.15", PWG 19 on the 28th.

Tony Scafide of Bethesda

27th & 28th - Hurricane Irene: Precipitation 2.19", PWG 19 on the 28th.

Kevin Shaw of Gaithersburg 2 WNW

Mean temperatures averaged 0.6° above normal, maximum temperatures averaged 0.9° below normal while minimums averaged 2.2° above normal.

27th & 28th - Hurricane Irene: Precipitation 2.05", PWG 37 N on the 28th. Minimum barometric pressure 29.17" on the 28th.

29th - Partly cloudy, cooler, a bit less humid.

Joe Terry of Forest Glen

2nd - Last day of 17 consecutive days with temps ≥ 90°.

21st - Strong thunderstorm around 1500 with 10 minutes of very heavy rain. 0.45" fell in 5 minutes. PWG 34 MPH.

27th & 28th - Hurricane Irene: Precipitation 3.39", PWG 36 NNW on the 28th. Minimum barometric pressure 29.10" on the 28th.

Brian Smith of Oxon Hill

27th & 28th - Hurricane Irene: Precipitation 5.21".

Wes Gleason of Hollywood 3 ENE

No wind data. Osprey have been using wind instruments to perch.

27th & 28th - Hurricane Irene: Precipitation 10.20". Minimum barometric pressure 28.85" on the 28th.

John Zyla of Ridge

Station record highest monthly precipitation 15.42"

Station record lowest barometric pressure 28.87"

13th - Smoke and Haze from Great Dismal Swamp Fire 150 miles away.

27th & 28th - Hurricane Irene: Precipitation 10.46", PWG 41 NE on the 27th. Minimum barometric pressure 28.87" on the 28th. Length of storm 25 hours.

Max Hutto of Smithsburg 1.5 SW

12th - Sunny, warm, breezy, very nice day.

18th - PM thunderstorm with nickel size hail.

27th & 28th - Hurricane Irene: Precipitation 1.68", PWG 29 on the 28th.

Greg Keefer of Hagerstown 1 E

8th wettest August. Wettest is 8.85" set in 1955.

18th - Intense slow moving thunderstorms developed overhead this evening just before 9 PM and continued till around 11:30 PM. They dropped heavy amounts of rain (1.82") and contained very frequent wicked lightning. Some 1/4" hail fell here briefly. Nickel size hail was reported in the area.

23rd - Chilly low of 50 this morning. Sunny today.

27th & 28th - Hurricane Irene: Precipitation 1.29". PWG 37 N on both days, Minimum barometer 29.25" on the 28th.

Summer 2011: Average mean temperature 75.9° tied 1991 for the 3rd warmest on record. Second hottest 76.0° in 1995. Record hottest is 77.7° set in 2010.

Jim Vaughn of Smithsburg 2 NE

4th wettest August. Wettest is 8.45" set in 1955.

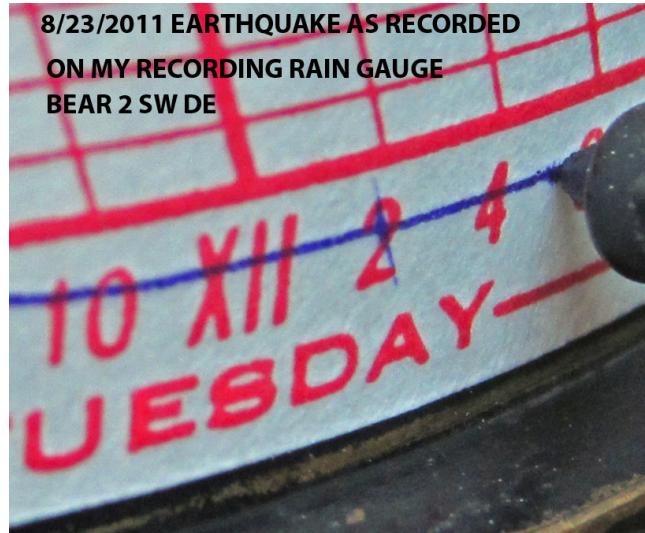
3rd - Daily low maximum temperature of 79° surpassing 80° set in 1964.

27th & 28th - Hurricane Irene: Precipitation 1.10". PWG 44 on the 28th, Minimum barometer 29.24" on the 28th.

Summer 2011: Average mean temperature 75.6°, Precipitation 9.56".

David Lesher of Davis 3 SE WV

27th & 28th - Hurricane Irene: Precipitation 0.22".



Vibration mark left of the recording rain gauge chart of Gary Gallaher, Bear 2 SW DE, on 8/23

ACON MD /DE / DC
AUGUST 2011 SUMMARY

OBSERVER <i>COUNTY, STATE</i>	STATION	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	Season		
<i>New Castle, Delaware</i>																								
Gallaher, Gary	Bear 2 SW	83.5	64.4	74.0	93	1	54	23+	2	0	0	43	W	28	15.02	5.12	14	42.80	14	4	0.0	0.0	0.0	2400
Legates, David	Middleton 6 N	83.8	65.0	74.4	93	1	55	23	4	0	0	31		27+	14.42	4.67	27	38.45	16	4				2400
NWS Wilmington	New Castle Co. Apt.	84.0	65.9	75.0	97	1	56	23	4	0	0	56	NE	27	14.70	5.38	27	39.03	12	5	0.0	0.0	0.0	2400
UofDE AG FARM DEOS***	Newark	83.3	65.0	74.2	95	1	56	23+	4	0	0	26		27	14.23	5.46	27	<u>31.24</u>	14	3				2400
U of D REC DEOS***	Townsend 4 W	82.3	64.4	73.4	92	1	55	23+	1	0	0	32		28	20.00	6.56	27	<u>43.35</u>	16	6				2400
<i>Sussex, Delaware</i>																								
NWS Georgetown	Sussex Co. Airport	86.7	66.3	76.5	96	7+	57	23+	10	0	0	52	WSW	28	6.42	2.73	27	24.49	13	2				2400
U of D REC DEOS***	Georgetown 5 SW	84.6	64.3	74.5	93	1+	53	31	3	0	0	43		27	9.61	5.98	27	27.31	13	2				2400
U of D REC DEOS***	Harbeson 8 S	84.1	64.2	74.2	95	7	53	31	4	0	0	38		27	9.64	5.36	27	26.54	13	3				2400
U of D DEOS***	Rehoboth Beach Bwk	81.4	68.7	75.1	95	7	61	31	5	0	0	45		27	8.97	4.70	27	26.01	11	2				2400
<i>Allegany, Maryland</i>																								
Latta, Greg	Frostburg	79.3	58.2	68.8	89	5	49	23	0	0	0				4.10	1.72	20	35.33	15	1	0.0	0.0	0.0	0700
Mullins, Nate**	LaVale	83.7	64.4	74.1	94	1	52	30	3	0	0				3.77	2.09	14	31.13	11	1	0.0	0.0	0.0	2400
<i>Anne Arundel, Maryland</i>																								
Hanson, Dan	Pasadena 2 N	85.7	65.4	75.6	97	1	54	23	7	0	0	49	NE	27	14.12	3.95	27	36.04	19	6	0.0	0.0	0.0	2400
Jug Bay Wetlands	Lothian	87.2	64.1	75.7	97	1+	53	23	9	0	0				15.98	5.82	27	<u>42.35</u>	19	4	0.0	0.0	0.0	2400
NWS Baltimore	BWI Airport	85.8	66.0	75.9	99	1	55	23	6	0	0	51	NNW+	27+	10.38	3.59	27	32.94	16	3	0.0	0.0	0.0	2400
Stoudt, Jeff	Laurel 2 E	83.3	67.7	75.5	95	1	58	30	2	0	0				10.60	3.74	27	33.34	13	4	0.0	0.0	0.0	2400
<i>Baltimore, Maryland</i>																								
Muller, Ray	Reisterstown	84.7	66.1	75.4	94	1	58	23	2	0	0	50	N	28	7.29	2.51	27	32.12	15	2	0.0	0.0	0.0	2200
Sharrow, Marty	Owings Mills 2 SE	84.3	65.2	74.8	95	1	54	30	3	0	0	46	NNE	28	9.86	2.71	27	35.02	14	3	0.0	0.0	0.0	2400
<i>Baltimore City, Maryland</i>																								
Manfre, Joe	Baltimore 2 SE	88.4	73.0	80.7	101	1	66	30	12	0	0				12.11	2.69	27	33.48	16	5	0.0	0.0	0.0	2400
Maryland Science Ctr	Baltimore Inner Harbor	88.0	73.1	80.6	101	1	67	30+	10	0	0				11.97	2.61	27	33.18	16	5				2400
<i>Carroll, Maryland</i>																								
Close Jr, Herb	Manchester 1 SW	82.3	62.6	72.5	95	1	52	23	1	0	0				9.39	2.52	28	36.10	15	3	0.0	0.0	0.0	2300
Hartsock, Ralph	Westminster 4 SSE	86.0	66.0	76.0	98	1	53	30	5	0	0	47	WSW	27	5.82	2.55	28	31.46	15	1	0.0	0.0	0.0	1900
Miller, Bobby	Millers 4 NE	83.3	63.0	73.2	94	1	50	30	2	0	0	60	NNE	28	9.86	4.12	28	38.23	17	3	0.0	0.0	0.0	1800
<i>Charles, Maryland</i>																								
Brumback, Marty	Bryans Road 2 ESE	87.1	67.1	77.1	99	1	55	23	7	0	0	42		27	8.08	4.48	27	<u>18.45</u>	13	2	0.0	0.0	0.0	2400
<i>Frederick, Maryland</i>																								
Glass, Eric	Emmitsburg 2 SE	83.3	61.8	72.6	95	2	51	23+	3	0	0				4.30	1.51	28	31.83	14	2	0.0	0.0	0.0	0700

ACON MD /DE / DC
AUGUST 2011 SUMMARY

OBSERVER <i>COUNTY, STATE</i>	STATION	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	Season		
<i>Howard, Maryland</i>																								
Giannola, Rich	Laurel JHU / APL	84.3	66.2	75.3	96	1	56	31	4	0	0	54	N	27	7.65	2.13	27	28.06	12	3	0.0	0.0	0.0	2400
<i>Montgomery, Maryland</i>																								
Berger, Ron	Norbeck 1 SE	85.2	66.2	75.7	97	1	55	30	4	0	0				5.98	1.87	28	27.79	12	2	0.0	0.0	0.0	2200
Cohen, Rob	Potomac 4 N	85.1	66.8	76.0	96	1	55	30	4	0	0				5.87	1.50	14	30.10	12	2	0.0	0.0	0.0	2100
Giannola, Rich	Olney 1 S	84.2	66.6	75.4	96	1	57	23+	2	0	0				5.03	2.51	27-28	26.35	8	2	0.0	0.0	0.0	2400
Holden, Richard	Clarksburg 2 ENE	84.1	65.4	74.8	95	1	57	23+	2	0	0	52	NNW	28	8.49	2.87	14	35.10	14	2	0.0	0.0	0.0	2400
Roth, David	Montgomery Village 1SW																							2400
Rossen, Stan	Glenmont 1 NNE	86.8	66.0	76.4	98	1	55	23+	12	0	0	19		28	6.89	2.30	27	28.40	12	2	0.0	0.0	0.0	2400
Scafide, Tony	Bethesda	83.6	67.0	75.3	93	1	57	30	3	0	0	19		28	5.97	1.47	27	23.70	13	2				2400
Shaw, Kevin	Gaithersburg 2 WNW	83.9	66.3	75.1	94	1	55	30	3	0	0	37	N	28	5.71	1.49	14	29.98	13	2	0.0	0.0	0.0	2400
Terry, Joe	Forest Glen	88.2	66.1	77.2	98	1	55	23	11	0	0	36	NNW	28	7.16	2.28	27	30.23	14	3	0.0	0.0	0.0	2400
<i>Prince Georges, Maryland</i>																								
Smith, Brian	Oxon Hill	86.6	67.7	77.2	99	1	57	30	8	0	0				9.86	4.80	27	33.97	14	3	0.0	0.0	0.0	2300
<i>St. Marys, Maryland</i>																								
Gleason, Wes	Hollywood 3 ENE	84.9	69.8	77.4	92	1	62	31	5	0	0				13.62	10.20	27-28	40.21	10	2	0.0	0.0	0.0	2400
Zyla, John	Ridge	87.1	69.9	78.5	96	1	63	31	8	0	0	43	NE	27	15.42	9.74	27	37.29	12	2	0.0	0.0	0.0	2400
<i>Washington, Maryland</i>																								
Hutto, Max	Smithsburg 1.5 SW	83.4	62.5	73.0	94	1	49	23	2	0	0	29		28	6.60	1.17	15	35.95	14	1	0.0	0.0	0.0	2400
Keefer, Greg	Hagerstown 1 E	84.5	64.4	74.5	96	1	50	23	2	0	0	37	NE	27+	6.84	1.82	18	34.22	13	1	0.0	0.0	0.0	2400
Vaughn, Jim	Smithsburg 3 NE	84.1	64.4	74.3	96	1	52	23	3	0	0	54	SW	25	6.70	1.24	15	33.07	15	1	0.0	0.0	0.0	2400
<i>Wicomico, Maryland</i>																								
NWS Salisbury	Wicomico Co. Apt	87.0	66.7	76.9	94	1+	57	31	10	0	0	61	NE	27	11.79	5.58	27	28.40	14	2	0.0	0.0	0.0	2400
<i>Arlington, Virginia</i>																								
NWS Washington National	National Airport	88.6	71.3	80.0	100	1	63	23+	12	0	0	60	NNW	28	8.92	3.33	27	27.30	12	3	0.0	0.0	0.0	2400
<i>Loudon, Virginia</i>																								
NWS Washington Dulles	Dulles Airport	87.3	65.3	76.3	99	1	52	23	8	0	0	45	NNW	27	3.74	1.17	27	25.36	12	1	0.0	0.0	0.0	2400
Shaffer, Lance	Sterling 4 N																							2400
<i>Tucker, West Virginia</i>																								
Lesher, Dave	Davis 3 SE WV	73.5	55.7	64.6	80	1	45	23	0	0	0				5.99	1.32	7	55.61	16	3	0.0	0.0	0.0	0700

SECTION AVERAGE* **84.9 66.0 75.4**

9.35

33.15

0.0

0.0

NOTES:

M OR UNDERLINE= MISSING DATA

> = INCLUDED IN NEXT DAYS DATA

ITALIC = ESTIMATED DATA

+ = FIRST OF SEVERAL OCCURANCES

WINTER TYPE PRECIPITATION FROM STATIONS WITH

TIPPING BUCKET RAIN GAUGE MAY SHOW UNDER CATCH.

ALSO AMOUNTS CAUGHT MAY BE NOTED IN THE FOLLOWING

DAYS AS IT MELTS.

*SECTIONAL AVERAGE DOES NOT INCLUDE DATA FROM WEST VIRGINIA.

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

*** DATA FROM DEOS (DELAWARE ENVIRONMENTAL 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 1/27/12 REV 2

ACON MD / DE / DC
AUGUST 2011 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	31	Avg	OBS TIME	
BEAR 2 SW, DE GALLAHER	93	89	81	79	84	87	89	91	88	86	83	85	85	77	78	82	87	87	85	85	85	79	78	83	78	85	77	81	77	81	83	83.5	2400	
	70	70	72	67	62	69	75	73	70	66	61	57	57	69	67	66	61	70	65	61	67	59	54	55	71	65	72	60	56	54	55	64.4	EDT	
MIDDLETOWN 6 N LEGATES	93	88	81	78	84	87	90	90	88	87	83	85	84	76	78	82	90	88	85	86	85	79	80	84	79	86	77	81	78	81	84	83.8	2400	
	71	70	72	68	64	69	75	73	70	67	63	60	58	68	67	64	62	70	66	62	67	60	55	57	70	66	71	62	57	56	56	65.0	EDT	
WILMINGTON , DE NWS NEW CASTLE CO APT	97	92	81	79	84	86	91	93	87	87	84	86	84	76	79	83	88	87	85	85	83	79	79	84	78	86	77	80	79	82	83	84.0	2400	
	72	69	70	68	65	72	76	74	70	68	63	60	62	69	69	66	64	69	65	63	70	62	56	59	71	67	71	61	58	57	57	65.9	EST	
NEWARK AG FARM, DE U OF DE DEOS	95	90	82	78	84	86	90	91	85	86	82	84	87	75	79	81	87	86	86	86	84	78	78	82	78	85	77	80	77	82	84	83.3	2400	
	70	69	72	67	62	70	74	74	68	67	64	59	58	69	69	66	62	69	65	62	67	62	56	56	70	65	71	61	57	56	57	65.0	EDT	
TOWNSEND 4 W, DE U of D REC DEOS	92	87	80	76	82	87	89	87	88	85	81	82	83	77	77	80	87	86	84	85	83	77	77	82	78	85	76	80	75	79	83	82.3	2400	
	71	70	70	69	62	69	75	72	69	67	61	58	58	67	67	65	62	64	64	61	69	58	55	61	69	66	71	61	57	56	55	64.4	EDT	
GEORGETOWN, DE NWS SUSSEX CO APT	95	91	83	81	84	90	96	94	96	91	89	88	87	83	86	83	87	90	86	88	91	82	80	86	90	86	77	85	79	81	83	86.7	2400	
	72	70	72	66	63	66	77	75	70	69	64	59	62	70	70	66	64	69	66	63	70	60	57	59	71	68	74	65	62	60	57	66.3	EST	
GEORGETOWN, DE U of D REC DEOS	93	89	81	79	83	86	88	91	92	88	86	87	83	80	83	81	87	88	85	86	89	80	80	84	88	85	75	83	79	79	82	84.6	2400	
	71	68	71	65	61	64	75	72	68	65	62	58	60	68	68	65	61	66	65	60	68	59	55	56	69	66	72	65	60	58	53	64.3	EDT	
HARBESON 8 S, DE U of D REC DEOS	94	88	82	77	81	85	95	92	94	89	85	84	83	81	84	80	85	88	85	85	87	79	77	83	88	85	77	83	76	77	80	84.1	2400	
	71	68	71	65	60	65	76	73	68	66	62	56	59	68	68	65	62	67	65	60	68	58	54	57	69	67	72	63	60	57	53	64.2	EDT	
REHOBOTH BEACH BWK U of D DEOS	91	89	81	75	79	78	95	91	94	91	81	79	81	77	77	78	80	85	78	78	82	80	75	78	89	77	75	85	76	73	76	81.4	2400	
	73	72	70	68	67	70	72	77	74	71	72	67	67	67	67	72	67	66	65	63	66	72	69	70	69	66	62	61	62	68.7	EST			
FROSTBURG LATTA	87	87	86	77	89	82	76	80	81	81	78	76	81	78	81	70	78	85	82	80	82	81	71	76	82	78	81	72	73	69	78	79.3	0700	
LAVALE MULLINS**	94	93	78	90	87	80	86	87	86	85	80	87	85	83	74	83	84	86	85	85	84	75	82	86	82	86	82	81	74	81	83	83.7	2400	
PASADENA 2 N HANSON	97	95	82	78	85	87	93	92	92	91	87	87	83	80	80	85	88	90	88	85	87	82	80	85	81	86	77	85	80	83	84	85.7	2400	
	71	67	73	72	64	69	75	73	70	66	63	59	62	71	66	64	64	69	64	62	71	61	54	58	69	65	71	63	60	56	56	65.4	EDT	
LOTHIAN JUG BAY	97	95	M	82	87	91	97	94	95	93	89	88	85	84	81	85	89	91	88	88	91	83	81	86	83	87	77	85	80	81	84	87.2	2400	
	70	66	M	72	64	66	74	71	69	65	62	58	61	68	65	62	63	67	66	63	69	59	53	56	68	66	70	64	58	55	54	64.1	EDT	
BALTIMORE NWS BWI APT	99	96	85	80	85	89	93	91	92	90	86	88	81	81	83	85	89	89	86	87	87	82	81	84	81	86	78	83	80	81	83	85.8	2400	
	71	70	74	70	65	69	75	74	70	69	65	62	63	68	67	66	65	68	66	63	70	63	55	57	69	66	71	64	59	56	56	66.0	EST	
LAUREL 2 E STOUDT	95	93	82	81	86	87	88	88	88	88	85	85	82	79	75	82	85	86	81	85	87	78	80	83	79	83	76	79	75	80	81	83.3	2400	
REISTERSTOWN MULLER	94	88	84	82	83	83	90	88	89	87	85	86	81	82	81	83	86	87	86	88	85	82	80	85	84	88	81	83	81	82	82	84.7	2200	
OWINGS MILLS 2SE SHARROW	95	91	81	79	83	84	89	88	89	88	84	86	86	82	83	79	84	89	92	85	88	85	79	81	84	78	79	78	83	83	84	84.3	2400	
	70	67	73	70	65	69	73	72	68	67	63	61	59	70	66	64	69	64	63	62	70	64	56	57	69	66	70	64	58	56	56	65.2	EDT	
BALTIMORE 2SE MANFRE	101	98	88	83	90	91	96	95	94	92	89	90	84	84	83	89	90	92	87	88	89	84	83	90	84	88	80	86	82	84	85	88.4	2400	
	75	77	76	76	74	76	79	80	81	77	74	73	73	72	72	70	73	72	73	70	73	70	68	68	72	72	70	66	67	67	73.0	EDT		
BALT INNER HARBOR MD SCIENCE CENTER	101	96	88	83	90	90	96	94	94	92	89	89	85	83	83	87	90	92	87	88	87	84	82	89	83	88	81	86	82	84	85	88.0	2400	
	76	76	76	76	74	76	79	80	80	77	75	73	73	72	72	70	73	72	73	70	73	70	68	68	74	71	73	72	70	67	67	73.1	EST	
MANCHESTER 1SW CLOSE	95	88	78	78	82	81	89	87	86	84	80	82	79	81	77	80	87	87	85	86	86	78	79	82	78	78	85	77	77	74	81	83	82.3	2300
WESTMINSTER 4 SSE HARTSOCK	64	63	66	66	62	66	72	69	67	66	61	60	62	68	63	60	66	64	59	58	68	59	52	56	66	63	66	59	54	57	60	62.6	EDT	
MILLERS 4NE MILLER	98	94	84	87	88	89	94	93	91	88	84	83	89	86	83	83	87	88	85	86	87	79	79	86	84	89	79	80	80	85	86.0	1900		
	71	67	73	72	65	70	74	72	68	68	63	59	62	71	67	65	64	69	66	64	66	61	55	70	68	66	63	60	53	55	66.0	EDT		
BRYANS ROAD 2 ESE BRUMBACK	94	91	88	80	84	82	89	88	86	84	83	82	80	81	79	82	86	87	84	86	83	78	81	80	86	83	79	77	80	81	83.3	1800		
	67	64	71	68	62	68	73	71	64	67	63	54	57	69	68	63	59	66	59	59	67	62	56	67	64	69	66	55	50	53	63.0	EDT		
EMMITSBURG 2 SE GLASS	99	96	83	87	86	89	93	92	94	92	88	88	83	83	84	84	86	89	86	88	89	80	83	86	85	80	83	84	84	87.1	2400			
	71	68	75	73	67	68	75	72	72	67	66	64	69	72	64	66	64	66	64	67	62	64	55	68	65	68	70	69	60	58	57	67.1	EDT	
EMMITSBURG 2 SE GLASS	92	95	93	77	82	85	82	89	89	85	85	82	83	81	81	77	83	85	85	84	85	86	78	78	83	81	86	79</td						

ACON MD / DE / DC
AUGUST 2011 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	31	Avg	OBS TIME	
LAUREL JHU / APL	96	93	83	81	84	87	91	89	90	87	83	83	82	78	82	88	88	86	87	86	78	80	83	80	86	76	81	76	82	83	84.3	2400		
GIANNOLA	72	71	68	72	65	70	75	74	70	72	65	63	63	66	66	66	64	70	66	63	68	66	57	69	66	68	66	61	57	56	66.2	EDT		
NORBECK 1 SE	97	95	83	84	86	88	92	89	90	88	86	87	83	82	80	84	88	89	85	87	86	81	82	84	79	87	77	78	77	82	85	85.2	2200	
BERGER	72	67	73	72	65	71	74	72	69	70	64	63	64	68	66	65	63	69	66	63	72	66	55	57	70	67	70	67	62	55	56	66.2	EDT	
POTOMAC 4N	96	94	83	84	86	87	91	89	90	89	85	87	82	84	83	84	88	87	81	88	86	81	83	85	79	86	78	82	76	82	83	85.1	2100	
COHEN	71	68	75	74	67	72	75	72	70	66	61	66	66	67	66	64	69	65	64	72	68	56	58	73	66	70	67	62	55	57	66.8	EDT		
OLNEY 1 S	96	95	84	>	86	86	89	87	89	87	84	84	83	79	78	81	86	86	85	88	87	79	84	84	83	85	76	80	74	80	82	84.2	2400	
GIANNOLA	72	68	73	>	66	70	74	72	71	71	64	62	68	66	65	65	64	70	66	63	72	64	57	59	69	66	67	67	62	57	58	66.6	EDT	
CLARKSBURG 2ENE	95	94	81	87	89	88	89	88	89	86	82	84	82	84	79	82	86	87	84	86	86	79	79	82	80	87	77	81	74	80	81	84.1	2400	
HOLDEN	71	69	72	68	64	70	73	72	69	70	63	60	66	64	64	65	65	65	63	62	71	62	57	60	67	64	69	66	59	57	61	65.4	EST	
MONTGOMERY VILLAGE																																	2400	
ROTH																																	EDT	
GLENMONT 1NNE	98	95	82	86	90	91	94	91	94	91	86	88	84	83	81	83	91	90	88	90	88	81	83	87	81	90	76	83	76	84	87	86.8	2400	
ROSSEN	71	68	75	72	67	71	75	72	70	71	64	60	63	67	66	66	64	69	66	64	71	61	55	57	68	67	69	65	60	55	56	66.0	EST	
BETHESDA	93	92	82	82	83	86	90	89	89	87	83	84	82	82	80	83	86	87	84	84	87	79	78	82	80	84	77	82	76	79	81	83.6	2400	
SCAFIDE	71	69	74	73	67	72	75	73	71	71	65	64	68	67	65	66	64	68	66	65	72	66	58	60	67	66	70	67	62	57	58	67.0	EDT	
GAITHERSBURG 2WNW	94	93	83	84	85	86	89	90	89	87	83	84	82	83	79	82	85	86	84	85	86	79	79	84	79	86	78	81	75	80	82	83.9	2400	
SHAW	69	68	74	73	66	72	75	73	70	71	65	61	64	66	65	66	63	70	65	64	73	63	56	58	70	67	70	65	61	55	56	66.3	EDT	
FOREST GLEN	98	97	85	88	89	90	95	93	94	92	88	89	85	86	86	88	89	90	92	89	90	89	84	84	86	81	90	77	86	80	85	87	88.2	2400
TERRY	71	68	75	72	66	72	75	73	70	70	64	63	66	67	66	65	62	70	66	64	67	63	55	57	67	66	70	65	60	57	56	66.1	EDT	
OXON HILL	99	95	84	84	86	91	93	91	93	90	86	88	83	84	83	86	89	90	88	88	89	83	82	85	81	87	79	85	79	81	84	86.6	2300	
SMITH	73	70	74	73	67	69	73	72	72	70	68	65	68	72	67	69	65	70	67	65	71	70	58	59	69	67	70	67	62	57	59	67.7	EDT	
HOLLYWOOD 3 ENE	92	90	85	82	83	85	91	90	90	89	86	85	84	80	81	84	86	87	83	85	88	82	81	84	88	85	78	84	79	81	83	84.9	2400	
GLEASON	74	72	75	74	71	73	74	74	75	72	70	69	70	69	67	67	69	74	70	67	74	67	65	64	69	69	72	69	65	63	62	69.8	EDT	
RIDGE	96	94	87	83	86	88	95	92	94	93	87	87	88	82	84	84	89	89	87	86	91	84	82	88	92	84	78	87	79	82	84	87.1	2400	
ZYLA	74	72	73	73	72	72	74	75	76	71	72	66	66	66	66	66	66	73	68	67	73	67	64	66	69	69	72	68	66	63	62	69.9	EDT	
SMITHSBURG 1.5 SW	94	93	79	86	86	81	88	88	85	84	81	83	83	84	77	84	87	87	85	84	84	77	78	83	81	87	79	80	76	80	82	83.4	2400	
HUTTO	62	64	72	71	64	71	72	71	66	65	57	52	59	66	65	63	58	66	61	60	68	57	49	54	70	64	70	63	57	50	52	62.5	EDT	
HAGERSTOWN 1E	96	95	82	86	86	82	89	89	88	87	83	85	83	85	77	85	87	89	86	86	85	78	80	84	83	86	78	81	75	82	82	84.5	2400	
KEEFER	66	71	73	72	67	72	74	74	69	69	60	55	61	66	65	63	60	63	61	61	71	59	50	58	69	66	70	66	58	52	54	64.4	EDT	
SMITHSBURG 3 NE	96	94	79	87	89	85	92	89	87	84	80	84	83	86	76	83	87	89	86	85	86	75	79	82	84	88	78	78	75	81	81	84.1	2400	
VAUGHN	66	70	71	71	66	70	73	72	68	69	60	55	68	63	63	65	61	65	63	60	69	63	52	62	67	64	68	64	57	54	57	64.4	EDT	
SALISBURY	94	90	87	83	84	87	93	93	94	91	89	90	84	86	86	84	89	90	88	87	90	82	82	85	90	88	78	86	82	81	84	87.0	2400	
NWS WICOMICO CO APT	69	68	73	67	65	66	77	74	71	68	65	60	64	69	69	67	64	69	68	64	69	70	61	58	58	72	70	74	66	64	60	57	66.7	EST
WASH NATIONAL	100	98	87	88	88	93	97	94	95	93	89	90	86	85	86	86	88	90	91	89	88	90	84	81	87	85	90	79	87	81	83	84	88.6	2400
NWS ASOS	75	74	76	75	72	74	77	76	77	75	72	70	74	69	68	72	71	74	69	69	76	70	63	65	71	70	72	71	66	63	64	71.3	EST	
WASH DULLES	99	95	84	88	86	89	93	92	93	92	87	88	84	88	84	87	90	92	87	89	89	83	82	87	81	88	79	85	78	83	83	87.3	2400	
NWS ASOS	68	66	72	73	66	72	74	73	69	68	66	62	63	67	66	66	59	69	65	63	73	60	52	56	66	64	70	67	61	55	54	65.3	EST	
STERLING 4 N																																	2400	
SHAFFER																																	EDT	
DAVIS 3 SE WV	80	79	79	71	80	79	74	72	75	70	71	71	75	77	74	68	72	78	76	75	77	74	65	69	76	72	76	71	67	63	63	74	73.5	0700
LESHER	56	57	63	65	64	64	66	60	61	60	52	48	51	59	55	51	56	55	52	53	45	46	56	57	53	48	50	55.7						

ACON MD / DE / DC
AUGUST 2011 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			0.03	0.04		0.02	0.01		0.72				1.20	5.12	0.33			0.02	0.48		0.32				0.50	T	4.37	1.86			15.02 0.0	2400 EDT	
MIDDLETON 6 N LEGATES			0.10	0.04		0.02	0.02	0.01	0.57				2.21	2.73	0.16			0.01	0.77		0.39				0.94	0.01	4.67	1.77			14.42	2400 EDT	
WILMINGTON , DE NWS NEW CASTLE CO APT			0.17	0.08		T	T		1.55				0.37	2.80	0.30	T		0.59	1.10		0.10				0.70		5.38	1.56			14.70 0.0	2400 EST	
NEWARK AG FARM, DE U OF DE DEOS			0.16	0.06			0.02		0.75				0.87	3.65	0.01			0.14	0.20		0.29				0.94	0.01	5.46	1.67			14.23	2400 EDT	
TOWNSEND 4 W, DE U of D REC DEOS			0.35	0.08	0.02	0.01	0.01	0.01	0.29				1.44	5.35	0.55				1.67	0.01	0.61				1.26		6.56	1.78			20.00	2400 EDT	
GEORGETOWN, DE NWS SUSSEX CO APT	0.10		0.10	T			0.01		0.02				0.05	1.21	0.07	0.14	T		0.20		0.56				0.34	T	2.73	0.89			6.42 -	2400 EST	
GEORGETOWN, DE U of D REC DEOS	0.09	0.01	0.09	0.05					0.06				0.09	0.80		0.01			0.26		0.73				0.37		5.98	1.07			9.61	2400 EDT	
HARBESON 8 S, DE U of D REC DEOS	0.02		0.03	0.01					0.04				0.05	1.34	0.01	0.15			0.06		0.91				0.35		5.36	1.31			9.64	2400 EDT	
REHOBOTH BEACH BWK U of DE DEOS			0.16				0.01		0.16				0.81	0.80	0.04			0.32		0.52				0.06		4.70	1.39			8.97	2400 EDT		
FROSTBURG LATTA		0.03	0.04	0.12		0.03	0.47	0.10	0.04	0.24	T			0.02	0.38	0.15				1.72		0.04				0.34		0.38				4.10 0.0	0700 EDT
LAVALE MULLINS**	T		0.02			0.40	0.01		0.14	0.03			T	2.09	0.06				0.66		0.02				0.28		0.06				3.77 0.0	2400 EDT	
PASADENA 2N HANSON	0.39	0.01	0.43	0.09	0.01	0.08	0.03		0.15				0.40	0.58	2.06			1.13	1.64	0.01	1.85				0.20	0.01	3.95	1.10			14.12	2400 EDT	
LOTHIAN JUG BAY	0.09	0.01	M			0.01	0.11	0.01	0.03	0.01			0.19	4.56	0.60	0.01		0.02	0.73	0.01	1.48				0.01	0.46		5.82	1.82			15.98 0.0	2400 EDT
BWI NWS ASOS	T	T	0.43	0.01		0.36	0.02		0.04				0.82	0.65	0.17	0.08		1.72	0.01		0.99	T			0.38	0.01	3.59	1.10			10.38 0.0	2400 EST	
LAUREL 2 E STOUDT	0.01		0.04	T		>	1.44		T				0.15	1.14	0.29			0.65	0.02		1.66				0.55	0.01	3.74	0.90			10.60 0.0	2400 EST	
REISTERSTOWN MULLER		0.05	0.10	0.18		T	1.70			0.10			0.26	0.53	0.23			0.28	0.14		0.02	0.38			0.05		0.76	2.51			7.29 0.0	2200 EDT	
OWINGS MILLS 2SE SHARROW	0.27		0.07	0.14		0.50	0.19		0.10				0.76	1.15	0.62				0.17		0.90				0.39		2.71	1.89			9.86 0.0	2400 EDT	
BALTIMORE 2SE MANFRE	0.25	0.12	0.36	0.06		0.35	0.10		0.01				1.63	2.07	0.50		0.84		0.02		1.66				0.24		2.69	1.21			12.11 0.0	2400 EDT	
BALT INNER HARBOR MD SCIENCE CENTER	0.62	0.09	0.48	0.03		0.35	0.11		0.01				1.40	1.34	0.93		0.75		0.09		1.83				0.31		2.61	1.02			11.97 -	2400 EST	
MANCHESTER 1SW CLOSE	0.73		0.91	0.29		0.15	0.04		0.42				1.47	0.18	0.47			0.04	0.58		0.04				0.21		1.34	2.52			9.39 0.0	2300 EDT	
WESTMINSTER 4 SSE HARTSOCK		0.09	0.27	0.10			0.95		0.09	0.14			0.44	0.24	0.26				0.07	0.06	0.26				0.15		0.15	2.55			5.82 0.0	1900 EDT	
MILLERS 4NE MILLER		0.10	0.04	0.24		0.03	0.39		0.53				1.46	0.53	0.19			0.02	1.11		0.03	0.64			0.11	0.02	0.30	4.12			9.86 0.0	1800 EDT	
BRYANS ROAD 2 ESE BRUMBACK	0.22		0.02			0.52			0.09				0.02	1.29	0.03	0.01		T	0.35		0.18				0.09		4.48	0.78			8.08 0.0	2400 EDT	
EMMITSBURG 2 SE GLASS		0.08	0.06	0.11			0.09	0.04		0.40				0.11	1.19	0.04			0.10	0.01	0.44						1.51	0.12			4.30 0.0	0630 EDT	

ACON MD / DE / DC
AUGUST 2011 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
LAUREL JHU / APL GIANNOLA	T		0.04	0.03		1.25	0.06		0.13				0.57	0.90	0.26						0.67				0.30		2.13	1.31			7.65	2400 0.0 EDT	
NORBECK 1SE BERGER	0.05		0.20	T		0.13	0.16						0.30	0.51	0.31			0.52			0.47				0.26		1.20	1.87			5.98	2200 0.0 EDT	
POTOMAC 4N COHEN		0.10	0.03		0.21	0.20							0.10	1.50				0.90	0.10		0.43				0.16		0.91	1.23	T		5.87	2100 0.0 EDT	
OLNEY 1S GIANNOLA	0.06		>	0.20		>	0.37						0.25	1.19			T	T	T		0.32				0.13		>	2.51			5.03	2400 0.0 EDT	
CLARKSBURG 2ENE HOLDEN	T		0.06	0.01		0.87	0.85		0.60				0.23	2.87	0.01			0.78	0.01		0.09				0.06		1.30	0.75			8.49	2400 0.0 EST	
MONTGOMERY VILLAGE ROTH 1SW																															2400 EDT		
GLENMONT 1NNE ROSSEN	0.14	T	0.03	T		0.11	0.25						0.45	1.06	T			0.89	0.01		0.39	T			0.41		2.30	0.85	T		6.89	2400 0.0 EST	
BETHESDA SCAFIDE			0.10	0.02		0.12							0.08	0.85	0.01			0.61	0.02		1.35				0.59		1.47	0.72	0.03		5.97	2400 - EDT	
GAITHERSBURG 2WNW SHAW	T		0.08	0.02	0.01	0.64	0.31		T				0.81	1.49			0.01	0.13	0.06		T				0.08	T	1.22	0.85			5.71	2400 0.0 EDT	
FOREST GLEN TERRY	0.04		0.03	0.04		0.33	0.13						0.13	0.69				0.51	0.04		1.26				0.56	0.01	2.28	1.11	T		7.16	2400 0.0 EDT	
OXON HILL SMITH	T		0.10	0.11		0.28	1.22		0.06				0.70	1.13	0.02			0.01	0.49		0.26				0.27	T	4.80	0.41			9.86	2300 0.0 EDT	
HOLLYWOOD 3 ENE GLEASON			0.15	0.02			0.59						0.16	0.73	0.01					0.01					1.17	0.02	>	10.20			13.62	2400 0.0 EDT	
RIDGE ZYLA	0.01		0.44	T		T	0.48						0.01	2.06	0.47					0.25		0.27			0.40	0.57	9.74	0.72			15.42	2400 0.0 EDT	
SMITHSBURG 1.5 SW HUTTO			0.18	0.86		0.28	0.04	0.01	0.58				0.01	0.47	1.17			0.96	0.13					0.63		0.67	0.61			6.60	2400 0.0 EDT		
HAGERSTOWN 1E KEEFER			0.31	0.67		0.30	0.03		0.58				0.02	0.43	0.59			1.82	0.24					0.56		0.69	0.60			6.84	2400 0.0 EDT		
SMITHSBURG 3 NE VAUGHN		0.03	0.21	0.33		0.36	0.09		0.82				0.10	0.59	1.24			0.85	0.10		0.20				0.68		0.66	0.44			6.70	2400 0.0 EDT	
SALISBURY NWS WICOMICO CO APT	0.56		0.21	T	0.01		0.18						0.73	2.66	0.12				0.94	0.03	0.19	T				0.02	0.06	5.58	0.50			11.79	2400 0.0 EST
WASH NATIONAL NWS ASOS			0.28	0.01		0.04	0.67						0.41	1.37	T			T	1.61		0.27	T				0.42	0.01	3.33	0.50			8.92	2400 0.0 EST
WASH DULLES NWS ASOS	0.14	T	0.03			0.55	0.01		T				0.36	0.08				0.65	0.04		0.39	T			0.08		1.17	0.24			3.74	2400 0.0 EST	
STERLING 4 N SHAFFER																															2400 EDT		
DAVIS 3 SE WV LESHER		T	0.04	0.17		0.02	1.32	0.36	0.07	0.17				0.13	0.72	0.02				0.30		1.17				1.18		0.18	0.04	0.10		5.99	0700 0.0 EDT