



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

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

EARLY MORNING THUNDERSTORMS ON THE 17TH BROUGHT AN EF-1 TORNADO TO BALTIMORE

Temperatures averaged above normal for the ninth consecutive month but the departure was the narrowest of the streak. This was the first year since 1997 that the maximum temperature failed to reach 70° at the NWS stations in Baltimore / Washington region.

The month began with sub freezing minimum temperatures north and west of Washington except for the Baltimore urban areas. Maximum temperatures generally remained below 60° for the first eleven days of the month.

The warmest portion of the month occurred from the 12th to the 23rd. Maximum temperatures were in the 60's on a majority of the days during this period. Dry air from the 12th to the 14th created a diurnal temperature range of 30 to 40 degrees.

The warmest temperatures of the month occurred on the 23rd. **John Zyla of Ridge** reported 72° while 71° was reported by **Jug Bay Wetlands at Lothian**, **Marty Brumback of Bryans Road 2 ESE** and **Wes Gleason of Hollywood 3 ENE**.

The coldest period occurred from the 24th to the 29th. Clear calm air under the highest pressure of the month created ideal conditions for a heavy frost and cold temperatures on the morning of the 29th. Temperatures generally fell into the low to mid 20's in colder locations. **Greg Latta of Frostburg** reported 17°, **Nate Mullins of LaVale**, **Eric Glass of Emmitsburg 2 SE** and **Greg Keefer of Hagerstown 1 E** each 21°.

Precipitation this month was below normal. No measurable snow fell east of the mountains.

Only four precipitation events occurred this month. The event around the 4th saw over an inch of rain over most of the region except for Central Delaware southwards. The heaviest rains fell in Northern Delaware. **Newark DE Ag Farm DEOS** reported 1.74" and **Gary Gallaher of Bear 2 SW DE** reported 1.72".

Conditions remained dry after the rains ended early on the 5th to the 15th.

Maximum temperatures were in the upper 50's to mid 60's minimums were in the 30's and 40's. Freezing temperatures occurred from the 11th to the 14th at many stations.

Rain, some heavy, strong winds peaking over 50 MPH along with some thunder occurred the night of the 16th and pre-dawn hours of the 17th. A tornado was confirmed in Baltimore (see pages 3 & 4 for more details). **Rich Giannola of JHU/APL** reported 57 MPH, **Jim Vaughn of Smithsburg 2 NE** 56 MPH, **Gary Gallaher of Bear 2 SW DE** 51 MPH and **Bobby Miller of Millers 4 NE** 51 MPH.

Moderate temperature returned and remained till Thanksgiving.

Light rains began on Thanksgiv-

EXTREMES REPORTED BY

ACON OBSERVERS

MAXIMUM TEMPERATURE

Ridge	72
Lothian	71
Bryans Road 2 ESE	71
Hollywood 3 ESE	71

MINIMUM TEMPERATURE

Davis 3 SE WV	17
Frostburg	17
Smithsburg 1.5 SW	20
LaVale	21
Emmitsburg 3 SE	21
Hagerstown 1 E	21

WARMEST AVG. TEMP.

Baltimore 2 SE	51.2
Hollywood 3 ENE	50.5
Ridge	50.5

COLDEST AVG. TEMP.

Davis 3 SE WV	38.1
Frostburg	39.3
LaVale	42.8
Smithsburg 1.5 SW	43.1

MAXIMUM PRECIPITATION

LaVale	4.06
Davis 3 SE WV	4.03
Smithsburg 1.5 SW	3.38

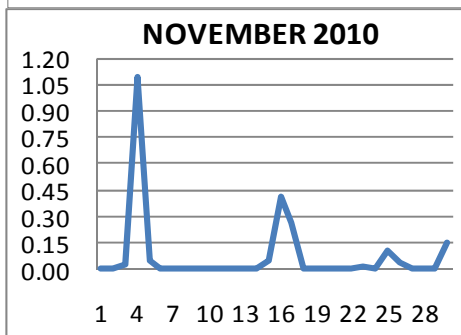
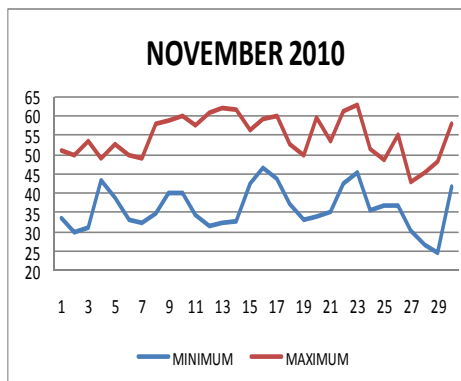
MINIMUM PRECIPITATION

Georgetown 5 SW DE	1.24
Ridge	1.31
Hollywood 3 ENE	1.37

MAXIMUM SNOWFALL

Davis 3 SE WV	5.7
9 Stations	T

ing, the 25th, as a very brief period of sleet at some locations, ended on the 26th. Liquid amounts from this



ACON MD/DE Network

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

Continued on Page 3

OBSERVER COMMENTS FOR NOVEMBER 2010

Gary Gallaher of Bear 2 SW, DE

Temperatures averaged slightly above normal. Month max temp of 66° was one degree shy of the lowest Nov max temp of 65 set in 1997.

17th - Squall line with 51 MPH wind gust @ 2:28AM caused some tree damage in the neighborhood.

29th - Clear sky and calm winds under high pressure allowed temps to fall to 22° and created a very heavy frost.

Greg Latta of Frostburg

25th - Sleet & glaze during the previous 24 hour period ending at obs time (7 AM).

Nate Mullins of LaVale

Temperatures were slightly above normal making it the ninth consecutive month with above temperatures.

9th - 14th - Mostly fair and mild weather with little wind.

25th - Showery and chilly day. Snow, sleet, freezing rain was observed at higher elevations.

30th - Dec 1 - 2.73" of rain of which 1.42" which fell on the 30th broke the old daily record of 0.90" set in 1967.

Jeff Stoudt of Laurel 2 E

2nd - First freeze or heavy frost of the fall.

4th - Rain tapered off mid PM.

22nd - Heavy fog and -DZ during morning rush period.

Marty Sharrow of Owings Mills

15th - AM fog then clouds and cooler.

17th - Thunderstorm 0120 to 0130.

29th - Frosty start then sunny and chilly.

Joe Manfre of Baltimore 2SE

16th - Cloudy, cool, rain till late evening.

30th - Occasional rain, windy in evening.

Ralph Hartsock of Westminster 4 SSE

4th - All day soaking rain, 1.11".

16th - 17th - Very intense rain overnight, high winds.

27th - Colder, 1st flurries, partly cloudy, windy.

Bobby Miller of Millers 4 NE

2nd - Heavy frost, killing freeze, few cirrus clouds.

12th - Clear deep blue sky 100% sunshine, minimum relative humidity 19%.

17th - Thunderstorm with 51 MPH PWG at 1 AM.

25th - Rain sleet mix at 8:15 AM.

Ray Muller of Westminster City

25th - Ice pellets 0730 - 0735.

Eric Glass of Emmitsburg 2 SE

22nd - Heavy fog at 0700.

23rd - Low ground fog, clear sky at 0700.

Rich Giannola of JHU/APL

17th - 57 MPH SSW @ 1:09 AM.

Rob Cohen of Potomac 4 N

17th - Thunderstorm 12:30 AM, very windy day.

22nd - Morning fog.

26th - Colder thru the day.

Rich Giannola of Olney 1 S

1st - Morning scattered frost.

3rd - Morning frost, rain began late in evening.

Richard Holden of Clarksburg 2 ENE

16th - Heavy rain.

27th - Light snow.

Stan Rossen of Glenmont 1 NNE

29th - Early morning visibility 1/3 mile.

Kevin Shaw of Gaithersburg 2 WNW

7th driest November in 32 years of records. Temperatures averaged above normal due to the above average minimum temperatures. The monthly maximum temperature of 63° was the lowest since 1997 when it was 61°.

27th - Variable clouds, cold, blustery.

30th - Cloudy, mostly AM light rain, fog.

Joe Terry of Forest Glen

4th - Cold, wet, and dreary with 100% RH all day.

12th - Large 40° temperature range (69/29). Minimum RH only 14%.

17th - Rather significant thunderstorm around 0100, unusual for November. It produced 0.25" of rain in 4 minutes and wind gusts to 25 MPH.

Brian Smith of Oxon Hill

2nd - Widespread frost.

28th - The growing season ends at Oxon Hill.

John Zyla of Ridge

14th - Beautiful day, spectacular fall color.

29th - First frost this season in AM.

Max Hutto of Smithsburg 1.5 SW

8th - Sunny, warmer, windy.

17th - Overnight thunderstorms, mild, very windy.

Greg Keefer of Hagerstown 1 E

3rd - Hard freeze & heavy frost. Sunny, rain began just before midnight.

16th - Rain overnight and all day, moderate at times. Gusty ESE winds to 32 MPH.

17th - Fast moving thunderstorm just after midnight with brief heavy rain and gusty winds to 25 MPH.

Jim Vaughn of Smithsburg 2 NE

November was drier and slightly cooler than normal.

2nd - Min temperature of 24° tied daily low set in 1993.

16th - Wind gust of 56 MPH.

17th - Wind gust of 47 MPH.

30th - Wind gust of 60 MPH.

Lance Shaffer of Sterling 4 N VA

1st - Very nice cool day.

20th - Quick warm-up.

27th - Winter like weather today, but no snow.

Dave Leshner of Davis 3 SE WV

6th - Snow ending shortly after midnight with partial clearing at daybreak, then clouding over again with periods of very light snow from mid afternoon through the evening.

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.

Continued from Page 1

event were generally less than a quarter of an inch.

The final storm of the month, which began on the 30th, brought with it maximum temperatures in the 50's and 60's. **Nate Mullins** of **LaVale** reported 1.42" of

rain. Precipitation amounts east of Washington County for the 30th were less than a quarter of an inch. A majority of rain from this event fell on December 1st.

Baltimore City / County EF1 Tornado of November 17th.

PUBLIC INFORMATION STATEMENT
NATIONAL WEATHER SERVICE BALTIMORE MD/WASHINGTON DC
601 PM EST THU NOV 18 2010

...NATIONAL WEATHER SERVICE CONFIRMS EF-1 TORNADO IN BALTIMORE CITY AND BALTIMORE COUNTY ON WEDNESDAY MORNING NOVEMBER 17 2010...

LOCATION...HAMILTON IN BALTIMORE CITY AND PARKVILLE IN BALTIMORE COUNTY MARYLAND

DATE...NOVEMBER 17 2010

ESTIMATED TIME...1:35 AM EST

MAXIMUM EF-SCALE RATING...EF1

ESTIMATED MAXIMUM WIND SPEED...100 MPH

MAXIMUM PATH WIDTH...250 YARDS

PATH LENGTH...0.4 MILES

BEGINNING LAT/LON...39.3665N / 76.5705W

ENDING LAT/LON...39.3772N / 76.5601W

* FATALITIES...NONE

* INJURIES...3 MINOR

* THE INFORMATION IN THIS STATEMENT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING FINAL REVIEW OF THE EVENT(S) AND PUBLICATION IN NWS STORM DATA.

...SUMMARY...

AFTER AN EXTENSIVE REVIEW OF NATIONAL WEATHER SERVICE AND FEDERAL AVIATION ADMINISTRATION WEATHER RADARS...GROUND OBSERVATIONS... AN AERIAL SURVEY...AND EYEWITNESS ACCOUNTS...THE BALTIMORE/WASHINGTON WEATHER FORECAST OFFICE OF THE NATIONAL WEATHER SERVICE HAS DETERMINED THAT A TORNADO ESTIMATED AT A CATEGORY 1 ON THE ENHANCED FUJITA SCALE STRUCK NORTHEAST BALTIMORE DURING THE EARLY MORNING HOURS OF WEDNESDAY NOVEMBER 17TH...WITH ESTIMATED WIND SPEEDS FROM 85 TO 100 MPH.

THE TORNADO WAS FORMED WITHIN A LINE OF THUNDERSTORMS WHICH SPANNED FROM PENNSYLVANIA TO NORTH CAROLINA ON WEDNESDAY MORNING NOVEMBER 17TH. THIS LINE OF THUNDERSTORMS WAS RACING TOWARDS THE NORTHEAST AT 70 MPH AS IT CROSSED THE BALTIMORE/WASHINGTON REGION. IT IS HYPOTHESIZED THAT A STRONG DOWNBURST OF WIND...ALSO KNOWN AS A REAR-INFLOW JET...DESCENDED FROM APPROXIMATELY ONE MILE HIGH IN THE ATMOSPHERE DOWN TO THE GROUND...AND BECAME COINCIDENT WITH THE LINE OF THUNDERSTORMS AS IT MOVED ACROSS THE CITY OF BALTIMORE.

THIS STRONG DOWNBURST OF WIND CAUSED A BREAK IN THE LONG LINE OF THUNDERSTORMS AND CREATED TWO SEPARATE THUNDERSTORM LINE SEGMENTS. THE STRONG DOWNBURST OF WIND CONTINUED TO MODIFY THE THUNDERSTORMS...CREATING A SWIRLING WIND AT THE SOUTH END OF THE NEWLY FORMED NORTHERN SEGMENT. THE SWIRLING WIND IN THIS TYPE OF THUNDERSTORM SYSTEM IS OFTEN REFERRED TO AS A BOOKEND VORTEX...AND IT RESULTED IN THE GENERATION OF A BRIEF EF-1 TORNADO.

THE PATH OF WIND DAMAGE FROM THE THUNDERSTORMS THAT ALSO PRODUCED THE BRIEF TORNADO STARTED ON THE WESTERN EDGE OF MORGAN STATE UNIVERSITY IN NORTHEAST BALTIMORE CITY AND THEN CONTINUED FOR APPROXIMATELY 5 MILES TO THE NORTHEAST TO GUNPOWDER STATE PARK IN BALTIMORE COUNTY. IT SHOULD BE NOTED THAT THE VAST MAJORITY OF WIND DAMAGE ALONG THE 5 MILE LONG PATH WAS DUE TO STRAIGHT LINE WINDS FROM THE DESCENDING REAR-INFLOW JET AS IT HIT THE GROUND...REFERRED TO AS A MACROBURST. EMBEDDED WITHIN THE DAMAGE PATH OF THIS MACROBURST WERE TWO AREAS OF DAMAGE THAT ARE ASSOCIATED WITH THE EF-1 TORNADO.

Continued on Page 4

NOVEMBER 2010 MD/DE ACON

CONTINUED FROM PAGE 3

THE DAMAGE FROM THE EF-1 TORNADO WAS IN TWO SEPARATE AREAS A HALF MILE APART. THE FIRST AREA WAS ONE-TENTH OF A MILE LONG AND 175 YARDS WIDE THAT INCLUDED THE DUTCH VILLAGE APARTMENT COMPLEX. THREE OF THE UNITS HAD THEIR ROOFS BLOWN OFF. THE ROOFS WERE NOT CLIPPED TO THE STRUCTURES. THERE WAS EXTENSIVE TREE DAMAGE. SEVERAL CARS WERE SHIFTED BY THE FORCE OF THE WIND. THE TORNADO LIFTED BRIEFLY. THEN THE SECOND AREA... APPROXIMATELY A HALF MILE NORTH OF THE FIRST AREA...WAS ONE-THIRD OF A MILE LONG AND 250 YARDS WIDE...CENTERED ON THE PERRING PARKWAY SHOPPING CENTER IN PARKVILLE. EVIDENCE OF THE TORNADO INCLUDED RETAIL PROPERTY SURVEILLANCE CAMERAS WHICH SHOWED DEBRIS BLOWING IN DIFFERENT DIRECTIONS...TREES AND LIGHT POLES FALLING IN A CONVERGENT PATTERN...EYEWITNESS REPORTS...AND LEAF SPATTER ON ALL FOUR SIDES OF AUTOMOBILES AND STRUCTURES.

WITH THE SPEED OF THE STORMS MEASURED AT 70 MPH...ALONG WITH A DAMAGE PATH OF 5 MILES FROM THE THUNDERSTORM...IT IS DETERMINED THAT IT TOOK ONLY 4 MINUTES FOR THE MACROBURST TO ACCOMPLISH ITS 5 MILE PATH OF DAMAGE. WITHIN THIS 4 MINUTE TIMEFRAME...THE EF-1 TORNADO WAS ON THE GROUND FOR LESS THAN 1 MINUTE.

THE STORM PREDICTION CENTER IN NORMAN OKLAHOMA...IN CONJUNCTION WITH THE BALTIMORE/WASHINGTON WEATHER FORECAST OFFICE...ISSUED A SEVERE THUNDERSTORM WATCH FOR THE REGION AT 12:06 AM EST WEDNESDAY. A SEVERE THUNDERSTORM WATCH IS ISSUED WHEN CONDITIONS ARE FAVORABLE FOR DAMAGING THUNDERSTORMS. THIS ADVANCE NOTIFICATION WAS APPROXIMATELY 90 MINUTES PRIOR TO WHEN DAMAGE OCCURRED IN BALTIMORE CITY AND BALTIMORE COUNTY.

THE BALTIMORE/WASHINGTON WEATHER FORECAST OFFICE ISSUED A SEVERE THUNDERSTORM WARNING FOR BALTIMORE CITY AND COUNTY AT 1:04 AM EST WEDNESDAY MORNING. A SEVERE THUNDERSTORM WARNING IS ISSUED WHEN WINDS OF GREATER THAN 58 MPH ARE EXPECTED. THIS WARNING PROVIDED APPROXIMATELY 32 MINUTES OF LEAD TIME PRIOR TO WHEN THE DAMAGE OCCURRED IN BALTIMORE CITY AND BALTIMORE COUNTY.

THE NATIONAL WEATHER SERVICE BALTIMORE/WASHINGTON WEATHER FORECAST OFFICE WOULD LIKE TO THANK THE BALTIMORE COUNTY OFFICE OF HOMELAND SECURITY AND EMERGENCY MANAGEMENT...THE BALTIMORE CITY MAYORS OFFICE OF EMERGENCY MANAGEMENT...THE BALTIMORE COUNTY POLICE DEPARTMENT... THE BALTIMORE CITY POLICE DEPARTMENT...AND THE MARYLAND EMERGENCY MANAGEMENT AGENCY FOR THEIR ASSISTANCE IN THE SURVEY.

\$\$



Photos © WBALTV.com

**ACON MD / DE / DC
NOVEMBER 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>New Castle, Delaware</i>																									
Gallagher, Gary	Bear 2 SW	56.0	36.1	46.1	66	13	22	29	0	0	10	51	SSW	17	2.35	1.72	4	40.49	7	1	T	T	25	T	2400
Legates, David	Middletown 6 N	56.5	37.2	46.9	66	13	24	29	0	0	8	27		8+	2.36	1.69	4	<u>36.57</u>	10	1					2400
NWS Wilmington	New Castle Co. Apt.	55.9	37.0	46.5	65	13	26	29	0	0	8	40	W	17	2.29	1.67	4	41.55	7	1	T	T	25	T	2400
UofDE AG FARM DEOS***	Newark	55.2	36.6	45.9	66	13	24	29	0	0	8	40		17	2.30	1.74	4	<u>34.32</u>	6	1					2400
U of D REC DEOS***	Townsend 4 W	55.5	37.4	46.5	65	22	25	29	0	0	7	25		29	2.05	1.17	4	<u>36.76</u>	8	1					2400
<i>Sussex, Delaware</i>																									
NWS Georgetown	Sussex Co. Airport	58.2	38.5	48.4	70	23	26	29	0	0	4	40	W	17	1.30	0.69	4	33.99	8	0					2400
U of D REC DEOS***	Georgetown 5 SW	57.1	36.8	47.0	69	23	23	29	0	0	8	27		17	1.24	0.72	4	<u>28.88</u>	7	0					2400
U of D REC DEOS***	Harbeson 8 S	56.3	36.3	46.3	69	23	23	29	0	0	9	25		17	1.40	0.83	4	<u>32.54</u>	7	0					2400
<i>Allegany, Maryland</i>																									
Latta, Greg	Frostburg	48.4	30.1	39.3	65	23	17	28+	0	1	20				3.29	0.97	17	42.45	8	0	T	T	25	T	0700
Mullins, Nate**	LaVale	51.7	33.9	42.8	66	22	21	29	0	0	12				4.06	1.42	30	35.93	9	1	T	T	27	T	2400
<i>Anne Arundel, Maryland</i>																									
Hanson, Dan	Pasadena 2 N	56.8	36.1	46.5	68	23	24	29	0	0	10	33	W	26	2.16	1.38	4	<u>43.57</u>	9	1	0.0	0.0			2400
Jug Bay Wetlands	Lothian	58.2	35.1	46.7	71	23	22	29	0	0	16				2.25	1.66	4	<u>41.46</u>	6	1	0.0	0.0			1700
NWS Baltimore	BWI Airport	57.5	36.9	47.2	66	12+	25	29	0	0	8	46	SE	17	2.04	1.15	4	41.51	8	1	0.0	0.0			2400
Stoudt, Jeff	Laurel 2 E	56.9	38.5	47.7	66	14+	26	29	0	0	5				2.19	1.20	4	42.52	9	1	0.0	0.0			2400
<i>Baltimore, Maryland</i>																									
Sharrow, Marty	Owings Mills 2 SE	53.8	34.9	44.4	62	12+	23	29	0	0	11				2.34	1.22	4	36.44	5	1	0.0	0.0			2400
<i>Baltimore City, Maryland</i>																									
Manfre, Joe	Baltimore 2 SE	58.4	43.9	51.2	68	23	35	29	0	0	0				1.73	1.09	4	39.40	7	1	0.0	0.0			1800
Maryland Science Ctr	Baltimore Inner Harbor	57.4	43.9	50.7	67	23	35	27+	0	0	0				1.78	1.03	4	39.85	8	1					2400
<i>Carroll, Maryland</i>																									
Close Jr, Herb	Manchester 1 SW	53.4	35.5	44.5	65	22	23	28	0	0	11				2.88	1.05	4	38.83	7	1	T	T	25	T	2300
Hartsock, Ralph	Westminster 4 SSE	53.8	36.4	45.1	63	22	25	29	0	0	11	54		17	2.74	1.11	4	38.93	7	1	T	T	25	T	1900
Miller, Bobby	Millers 4 NE	53.9	35.7	44.8	65	13	25	29	0	0	8	52	W	17	2.80	1.10	4	40.12	7	1	T	T	25	T	1800
Muller, Ray	Westminster City	54.1	36.7	45.4	65	22	26	29	0	0	10	47	W	17	2.79	1.00	4	36.75	7	1	T	T	25+	T	1900
<i>Charles, Maryland</i>																									
Brumback, Marty	Bryans Road 2 ESE	58.6	38.6	48.6	71	23	26	29	0	0	5				2.01	1.41	4	38.71	7	1	0.0	0.0			2400/2000
<i>Frederick, Maryland</i>																									
Glass, Eric	Emmitsburg 2 SE	54.4	32.6	43.5	62	11+	21	29+	0	0	14				2.56	1.42	17	<u>38.96</u>	6	1	0.0	0.0			0700
<i>Garrett, Maryland</i>																									
Harvey, Rebecca	Eagle Rock																	<u>4.60</u>							0800

**ACON MD / DE / DC
NOVEMBER 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	55.4	38.3	46.9	66	13	25	29	0	0	5	57	SSW	17	1.94	1.07	4	37.18	9	1	0.0	0.0					2400			
<i>Montgomery, Maryland</i>																														
Berger, Ron	Norbeck 1 SE	55.4	37.2	46.3	64	23	24	29	0	0	10				2.26	1.24	4	43.29	8	1	0.0	0.0					2200			
Cohen, Rob	Potomac 4 N	55.5	36.6	46.1	63		26		0	0	10				2.64	1.30		43.45	8	1	0.0	0.0				2100				
Giannola, Rich	Olney 1 S	55.6	36.4	46.0	64	13	25	29	0	0	8				2.26	1.20	3-4	40.51	8	1	0.0	0.0				2400				
Holden, Richard	Clarksburg 2 ENE	54.8	37.5	46.2	64	13	27	28	0	0	7	40	W	17+	2.28	1.02	4	41.31	8	1	T	T	27	T		2400				
Roth, David	Montgomery Village 1SW	55.3	34.6	45.0	63	23	26	2+	0	0	15				2.29	1.07	4	<u>40.39</u>	7	1						2400				
Rossen, Stan	Glenmont 1 NNE	57.7	35.9	46.8	66	13+	24	29	0	0	10	24		17	2.18	1.19	4	41.79	10	1	T	T	25	T		2400				
Scafide, Tony	Bethesda	56.0	37.6	46.8	66	23	28	28+	0	0	6	25		17	2.13	1.18	4	<u>34.97</u>	11	1						2400				
Shaw, Kevin	Gaithersburg 2 WNW	55.6	36.7	46.2	63	20	25	29	0	0	8	21	W	17	2.22	1.09	4	41.86	9	1	0.0	0.0				2400				
Terry, Joe	Forest Glen	59.4	36.9	48.2	69	12+	27	28+	0	0	8	35	WNW	17	2.46	1.28	4	43.87	10	1	0.0	0.0				2400				
<i>Prince Georges, Maryland</i>																														
Smith, Brian	Oxon Hill	57.7	39.5	48.6	68	23	28	29	0	0	2				2.21	1.33	4	39.27	9	1	T	T	25	T		2300				
<i>St. Marys, Maryland</i>																														
Abell, Floyd	Hollywood	STATION CLOSED APRIL 2010																												2400
Gleason, Wes	Hollywood 3 ENE	58.8	42.2	50.5	71	23	31	29	0	0	0				1.37	0.69	5	<u>13.17</u>	5	0	0.0	0.0				2400/0700				
Zyla, John	Ridge	57.8	43.1	50.5	72	23	33	27+	0	0	0	29	NW	17	1.31	1.08	4	47.73	7	1	0.0	0.0				2400				
<i>Washington, Maryland</i>																														
Hutto, Max	Smithsburg 1.5 SW	54.1	32.1	43.1	64	22	20	29	0	0	16	35		17	3.38	1.38	4	37.60	9	1	0.0	0.0				2400				
Keefer, Greg	Hagerstown 1 E	54.2	33.4	43.8	62	10+	21	29	0	0	15	42	W	17+	2.93	1.12	4	33.09	9	1	0.0	0.0				2400				
Vaughn, Jim	Smithsburg 2 NE	54.6	35.1	44.9	63	10+	24	2	0	0	12	60	SE	30	2.62	0.96	4	34.09	8	0	0.0	0.0				2400				
<i>Wicomico, Maryland</i>																														
NWS Salisbury	Wicomico Co. Apt	58.4	37.4	47.9	70	23	23	29	0	0	5	39	W	17	1.26	0.71	4	38.52	8	0	0.0	0.0				2400				
<i>Arlington, Virginia</i>																														
NWS Washington National	National Airport	59.2	41.7	50.5	69	23	32	29	0	0	1	54	WSW	17	2.22	1.31	4	33.00	8	1	T	T	25	T		2400				
<i>Loudon, Virginia</i>																														
NWS Washington Dulles	Dulles Airport	57.1	35.2	46.2	65	13+	22	29	0	0	16	40	SSW	17	2.50	1.05	4	37.63	9	2	0.0	0.0				2400				
Shaffer, Lance	Sterling 4 N	56.8	38.3	47.6	64	13+	25	29	0	0	3				2.55	1.12	3-4	38.69	8	2	0.0	0.0				2400				
<i>Tucker, West Virginia</i>																														
Leshner, Dave	Davis 3 SE WV	46.9	29.3	38.1	63	12+	17	7+	0	3	18				4.03	0.72	4	47.32	14	0	5.7	3.7	6	5.7		0700				
SECTION AVERAGE*		55.5	36.1	45.8											2.28			39.04			T				T					

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.

**ACON MD / DE / DC
NOVEMBER 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	51 31	52 27	56 27	52 47	56 38	52 34	51 34	57 40	59 43	63 37	59 31	63 28	66 31	63 30	56 47	60 50	63 49	56 40	50 30	60 33	53 35	62 42	63 39	52 39	47 38	57 39	45 33	47 26	50 22	58 43	56.0 36.1	2400 EST
MIDDLETOWN 6 N LEGATES	52 31	53 30	57 29	51 46	56 53	53 34	51 32	57 39	60 43	64 40	58 34	63 34	66 33	64 32	56 47	61 50	64 49	58 40	50 31	61 34	54 38	63 44	63 45	53 39	49 38	57 38	45 33	49 28	50 24	58 43	56.5 37.2	2400 EST
WILMINGTON , DE NWS NEW CASTLE CO APT	52 33	53 29	54 28	51 46	56 40	53 35	52 31	57 38	60 42	64 39	59 35	63 32	65 34	62 31	57 48	61 50	62 47	57 41	50 35	59 36	53 36	59 45	63 40	52 37	47 37	56 37	44 30	47 28	48 26	60 44	55.9 37.0	2400 EST
NEWARK AG FARM, DE U OF DE DEOS	50 33	52 30	56 28	50 46	55 41	52 35	50 33	56 39	59 43	62 39	58 36	63 33	66 35	63 32	56 46	59 49	62 47	57 40	50 31	59 31	52 36	61 43	63 38	52 38	43 37	56 37	44 31	47 27	48 24	58 41	55.2 36.6	2400 EST
TOWNSEND 4 W, DE U of D REC DEOS	49 32	51 31	57 29	51 46	54 41	51 36	49 34	56 39	58 41	61 41	56 33	61 33	63 33	63 31	54 46	64 48	65 48	55 40	50 33	59 40	53 37	65 41	63 52	53 39	52 38	57 37	43 32	46 27	49 25	58 42	55.5 37.4	2400 EST
GEORGETOWN, DE NWS SUSSEX CO APT	53 36	53 33	57 35	57 47	55 38	53 36	51 35	59 39	60 42	58 43	55 35	61 37	62 36	64 32	62 41	66 50	65 49	55 39	53 32	63 34	57 36	68 38	70 50	58 38	57 41	64 43	46 35	48 30	55 26	63 50	58.2 38.5	2400 EST
GEORGETOWN, DE U of D REC DEOS	51 34	51 31	56 33	57 46	55 38	52 35	49 34	58 38	57 40	53 40	59 32	61 32	62 32	64 30	63 40	66 49	65 47	55 39	51 31	62 35	56 34	67 38	69 52	57 34	56 39	63 42	46 34	46 26	52 23	63 45	57.1 36.8	2400 EST
HARBESON 8 S, DE U of D REC DEOS	51 34	50 30	56 32	58 46	51 37	51 34	49 34	58 39	58 40	55 40	52 31	58 33	60 32	62 29	57 40	64 49	65 47	54 37	51 31	62 31	55 33	67 37	69 50	57 36	56 40	64 43	45 33	44 25	61 23	62 47	56.3 36.3	2400 EST
FROSTBURG LATTA	50 28	48 26	46 25	51 27	41 35	41 31	41 28	42 28	54 33	58 36	60 32	57 32	58 33	58 33	57 37	48 38	49 41	46 36	43 31	44 30	51 32	50 32	65 36	58 27	38 27	49 30	39 24	30 17	39 17	42 22	48.4 30.1	0700 EST
LAVALE MULLINS**	52 34	49 27	53 28	45 39	43 37	42 34	46 30	58 34	63 38	62 36	61 33	62 31	60 27	60 33	52 45	51 45	50 41	45 35	56 31	54 32	66 40	61 45	43 39	39 47	47 35	43 32	43 24	46 21	56 39	51.7 33.9	2400 EST	
PASADENA 2 N HANSON	53 33	50 31	55 30	50 47	55 38	52 34	52 34	60 33	61 45	62 42	57 32	62 28	64 30	63 31	54 41	61 47	61 42	59 36	53 32	64 33	53 38	63 44	68 49	54 37	53 40	59 33	46 30	49 25	51 24	60 45	56.8 36.1	2400 EST
LOTHIAN JUG BAY	55 30	53 28	58 28	51 47	56 44	53 32	53 29	61 38	62 38	60 38	64 31	64 26	65 26	66 29	59 40	59 47	63 54	57 32	53 31	65 32	56 41	67 51	65 36	54 41	60 36	47 38	49 27	49 26	52 22	62 45	58.2 35.1	1700 EST
BALTIMORE NWS BWI APT	54 33	51 30	57 30	50 47	56 40	53 37	52 34	63 35	63 45	64 43	62 33	66 28	65 30	64 31	56 41	61 47	58 44	53 38	63 34	53 39	65 45	66 45	53 39	52 40	58 35	46 31	49 28	50 25	61 45	57.5 36.9	2400 EST	
LAUREL 2 E STOUDT	52 36	53 32	55 32	50 46	54 43	54 37	51 35	61 37	61 45	62 44	61 37	65 33	65 37	66 35	57 41	61 48	61 43	55 41	52 34	63 37	55 49	64 51	66 39	52 38	53 39	57 39	43 31	47 30	51 26	59 44	56.9 38.5	2400 EST
OWINGS MILLS 2SE SHARROW	51 32	51 28	52 27	48 44	51 39	48 34	48 32	57 33	57 38	61 39	56 36	62 31	62 34	62 32	54 44	59 45	60 44	56 34	50 32	58 33	53 34	61 45	60 46	48 34	45 31	55 34	41 27	45 26	46 23	57 39	53.8 34.9	2400 EST
BALTIMORE 2SE MANFRE	54 43	52 39	56 40	53 49	58 47	54 43	53 40	64 44	64 46	65 47	62 46	67 45	67 45	65 44	57 49	62 50	63 51	59 44	54 43	64 41	54 44	61 50	68 51	55 42	53 42	59 41	47 35	50 36	51 35	61 46	58.4 43.9	1800 EST
BALT INNER HARBOR MD SCIENCE CENTER	52 43	53 39	55 40	52 49	57 47	53 43	52 40	61 39	61 48	63 48	60 48	65 45	66 45	63 43	57 50	62 50	62 45	59 43	52 41	62 44	54 50	61 51	67 42	55 42	53 41	59 41	45 35	50 36	50 35	61 46	57.4 43.9	2400 EST
MANCHESTER 1SW CLOSE	49 32	50 27	56 30	46 41	50 35	49 32	48 30	57 32	57 38	58 39	58 38	62 39	65 45	63 42	56 43	57 44	57 41	55 35	50 34	56 35	62 42	63 45	60 41	47 33	60 32	47 27	41 23	39 26	47 26	55 38	53.4 35.5	2300 EST
WESTMINSTER 4 SSE HARTSOCK	49 31	49 30	55 30	48 46	54 43	50 31	49 30	58 31	57 41	60 42	56 37	60 32	60 34	60 33	60 44	53 47	59 48	54 39	50 35	60 33	52 36	63 44	60 47	48 32	46 38	53 39	43 30	44 28	47 25	56 36	53.8 36.4	1900 EST
MILLERS 4NE MILLER	51 32	50 26	54 27	48 44	52 44	49 33	48 32	58 35	57 40	60 38	58 31	63 33	65 34	62 34	55 44	53 44	49 36	54 36	49 34	57 42	53 46	64 42	59 46	56 33	41 35	52 39	40 28	46 26	47 25	57 35	53.9 35.7	1800 EST
WESTMINSTER CITY MULLER	51 32	51 27	54 29	48 45	51 37	48 31	49 41	59 34	57 42	62 42	57 33	61 29	62 31	63 31	56 46	59 48	59 46	53 37	50 37	57 40	53 36	65 46	61 46	52 34	42 36	51 40	43 30	45 28	46 26	58 40	54.1 36.7	1900 EST
BRYANS ROAD 2 ESE BRUMBACK	55 36	52 34	57 37	50 46	59 41	53 37	52 35	63 34	62 45	62 45	59 32	63 32	66 34	65 34	57 46	63 49	63 53	59 35	54 40	66 47	59 45	65 51	67 41	56 40	54 39	60 31	47 30	49 26	64 47	58.6 38.6	2400 EST	
EMMITSBURG 2 SE GLASS	59 35	50 28	47 26	53 25	48 43	53 31	49 31	50 34	60 39	60 37	62 34	59 28	61 26	61 28	62 28	55 43	62 46	56 38	54 38	57 33	58 32	53 33	59 39	61 34	47 33	49 37	53 32	40 25	45 21	48 21	54.4 32.6	0700 EST

**ACON MD / DE / DC
NOVEMBER 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	50 35	52 31	53 30	48 45	53 41	48 36	48 34	60 37	58 43	60 42	59 39	65 36	66 37	63 33	56 44	62 46	62 44	54 41	49 38	61 39	54 39	60 47	64 51	51 37	58 38	41 37	48 31	49 30	58 25	44 44	55.4 38.3	2400 EST		
NORBECK 1 SE BERGER	50 35	50 31	54 30	48 46	52 43	48 31	50 32	59 38	59 42	60 44	58 38	61 31	62 33	61 33	58 45	60 48	62 42	54 35	50 34	63 34	54 37	60 48	64 48	56 36	50 38	58 39	43 31	47 26	50 24	60 44	55.4 37.2	2200 EST		
POTOMAC 4N COHEN	52 34	49 31	54 32	48 46	53 42	50 32	50 31	60 33	60 33	60 44	58 34	62 29	60 36	62 33	59 44	61 48	61 44	54 34	51 32	63 32	55 34	61 45	63 45	57 40	50 39	56 41	43 31	46 27	48 26	60 45	55.5 36.6	2100 EST		
OLNEY 1 S GIANNOLA	52 34	51 30	53 32	48 45	53 38	50 32	51 31	60 35	60 35	63 42	60 36	63 32	64 35	62 35	58 45	61 47	61 40	53 36	51 34	63 35	54 36	61 47	63 48	51 36	50 37	56 38	43 29	46 25	49 25	58 43	55.6 36.4	2400 EST		
CLARKSBURG 2ENE HOLDEN	51 35	49 29	52 35	46 42	54 38	50 31	50 31	60 36	60 41	61 42	58 38	61 32	64 38	63 44	58 44	61 46	61 42	54 39	49 36	61 36	54 38	62 47	60 48	49 35	49 36	52 35	42 31	45 27	49 30	58 43	54.8 37.5	2400 EST		
MONTGOMERY VILLAGE ROTH 1SW	52 31	49 26	54 27	48 46	53 38	50 28	50 32	60 30	60 38	61 38	59 30	61 26	62 27	62 29	60 46	62 48	62 43	M 43	50 31	62 29	55 32	62 45	63 41	51 36	50 34	55 38	44 33	45 27	48 26	59 45	55.3 34.6	2400 EST		
GLENMONT 1NNE ROSSEN	54 33	51 30	54 31	49 45	55 39	52 32	52 32	61 35	61 40	61 41	62 34	61 28	65 30	66 32	66 41	60 48	63 39	63 35	58 33	55 33	65 34	58 47	64 45	66 37	51 39	52 38	59 31	45 26	50 24	53 45	61 45	57.7 35.9	2400 EST	
BETHESDA SCAFIDE	52 37	50 33	54 33	49 44	54 40	50 33	50 32	61 35	61 41	61 44	60 38	63 32	63 32	62 36	57 46	62 48	62 41	55 36	50 34	63 36	55 37	59 48	66 48	52 38	51 39	58 37	44 30	46 28	49 28	61 46	56.0 37.6	2400 EST		
GAITHERSBURG 2WNW SHAW	51 34	50 31	54 31	48 45	54 39	49 33	50 32	61 36	61 42	59 42	61 35	61 29	62 30	62 33	59 44	62 48	62 37	55 34	51 33	63 36	55 48	62 45	63 38	51 39	50 38	55 38	44 32	47 27	49 25	60 45	55.6 36.7	2400 EST		
FOREST GLEN TERRY	56 36	56 30	57 32	50 45	58 39	53 33	55 32	64 35	65 41	65 43	65 34	69 29	69 30	67 34	60 45	63 48	63 39	60 36	55 34	67 36	60 36	63 49	69 48	52 38	52 39	59 38	46 30	51 27	53 27	61 45	59.4 36.9	2400 EST		
OXON HILL SMITH	53 38	51 34	57 35	50 46	56 45	52 38	51 36	62 38	62 44	63 45	60 41	64 34	64 34	65 36	57 45	63 48	64 42	56 36	52 35	64 37	56 38	63 46	68 52	58 40	52 40	58 42	46 33	48 31	52 28	63 47	57.7 39.5	2300 EST		
HOLLYWOOD ABELL																																		2359 EST
HOLLYWOOD 3 ENE GLEASON	56 42	54 39	57 44	55 49	59 46	55 50	53 39	62 39	61 46	63 46	58 39	61 38	63 38	64 37	61 45	62 51	63 45	61 38	54 38	64 38	57 44	68 47	71 56	60 42	55 44	61 44	49 32	47 33	51 31	60 48	58.8 42.2	2400 EST		
RIDGE ZYLA	53 43	51 41	56 44	56 49	58 44	53 41	52 38	61 39	59 45	59 43	55 41	59 39	61 44	61 42	58 47	61 51	65 47	57 48	55 38	66 45	56 46	70 49	72 55	59 41	55 43	63 42	49 33	47 33	51 35	60 48	57.8 43.1	2400 EST		
SMITHSBURG 1.5 SW HUTTO	50 28	50 25	55 25	47 43	51 36	48 28	49 30	59 28	60 37	61 33	60 27	61 23	60 23	63 27	56 41	61 46	60 41	52 35	49 30	58 30	55 31	64 35	59 38	46 34	47 36	49 34	39 31	44 24	48 20	61 45	54.1 32.1	2400 EST		
HAGERSTOWN 1E KEEFER	51 32	50 27	55 26	47 43	52 35	49 29	49 32	60 30	60 38	62 35	60 29	62 25	64 24	62 29	56 43	60 46	60 42	52 36	50 33	58 33	54 32	62 39	59 40	47 32	47 36	49 35	40 31	45 25	47 21	60 43	54.2 33.4	2400 EST		
SMITHSBURG 2 NE VAUGHN	49 32	51 24	54 44	52 41	52 30	53 32	54 33	59 38	59 36	63 32	61 30	61 38	61 30	63 35	55 44	63 45	62 44	50 38	50 35	56 38	53 35	63 42	59 44	47 29	47 33	50 28	39 26	44 27	47 28	61 41	54.6 35.1	2400 EST		
SALISBURY NWS WICOMICO CO APT	53 35	53 34	57 38	59 47	56 35	52 35	51 35	58 39	58 41	58 43	56 34	61 35	64 35	66 31	65 38	67 50	64 46	54 34	53 30	62 34	59 38	67 37	70 51	58 34	57 39	63 43	47 32	48 26	53 23	63 49	58.4 37.4	2400 EST		
WASH NATIONAL NWS ASOS	55 41	54 38	57 41	52 47	58 45	54 39	53 36	64 41	63 44	64 46	63 42	66 36	68 37	65 40	59 48	64 50	65 46	59 42	54 38	66 40	58 42	61 49	69 52	56 42	55 43	61 40	48 33	50 33	52 32	63 48	59.2 41.7	2400 EST		
WASH DULLES NWS ASOS	53 32	51 31	55 30	49 44	56 39	52 31	51 31	63 32	63 42	62 38	61 32	63 28	65 29	64 29	59 39	63 48	63 40	56 32	52 31	65 34	57 32	63 47	64 48	52 38	51 39	56 37	45 29	48 26	49 22	62 45	57.1 35.2	2400 EST		
STERLING 4 N SHAFFER	53 39	51 32	54 34	49 44	54 35	53 35	62 35	63 44	61 41	61 38	62 33	64 33	64 34	60 34	61 45	62 50	58 45	52 36	64 33	57 33	63 48	63 52	57 39	63 41	50 44	54 44	45 33	48 28	49 25	61 44	56.8 38.3	2400 EST		
DAVIS 3 SE WV LESHAR	50 22	46 23	49 27	54 37	54 30	52 21	49 17	54 20	53 25	46 31	46 34	53 37	63 38	63 38	62 38	56 38	47 34	49 32	37 27	40 27	47 33	54 38	62 48	55 23	41 22	54 36	36 18	22 17	41 17	47 31	46.9 29.3	0700 EST		

ACON MD / DE / DC
NOVEMBER 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	TOTAL	OBS TIME	
BEAR 2 SW, DE GALLAHER				1.72	T										0.01	0.27	0.15								0.11	0.04				0.05	2.35	2400	
MIDDLETOWN 6 N LEGATES				1.69	0.01										0.03	0.26	0.21								0.01	0.09	0.02		0.01	0.03	2.36	2400	
WILMINGTON, DE NWS NEW CASTLE CO APT			T	1.67	T											0.27	0.15	0.01							0.11	0.04			0.04	2.29	2400		
NEWARK AG FARM, DE U OF DE DEOS				1.74												0.23	0.16								0.09	0.03			0.05	2.30	2400		
TOWNSEND 4 W, DE U of D REC DEOS				1.17	0.39										0.05	0.16	0.14								0.10	0.01			0.03	2.05	2400		
GEORGETOWN, DE NWS SUSSEX CO APT				0.69	0.04			T							0.09	0.10	0.35								0.01	0.01			0.01	1.30	2400		
GEORGETOWN, DE U of D REC DEOS				0.72	0.04										0.08	0.09	0.28								0.02				0.01	1.24	2400		
HARBESON 8 S, DE U of D REC DEOS				0.83	0.03										0.07	0.15	0.30								0.01	0.01				1.40	2400		
FROSTBURG LATTA				0.51	0.53		T								0.01	0.15	0.97		T						0.59	0.30	T		0.23	3.29	0700		
LAVALE MULLINS**				0.92	0.03									T	0.03	0.96	T	0.02						T	0.07	0.58	0.03	T		T	1.42	4.06	2400
PASADENA 2N HANSON				0.02	1.38	0.01									0.11	0.29	0.16								0.02	0.01			0.16	2.16	2400		
LOTHIAN JUG BAY				1.66	0.01										0.15	0.10	0.23								0.10					2.25	1700		
BWI NWS ASOS				0.07	1.15	T									0.04	0.38	0.16							T	T	0.04	0.01		0.19	2.04	2400		
LAUREL 2 E STOUDT				0.07	1.20	T									0.09	0.37	0.24							T	0.02	0.07	0.02		0.11	2.19	2400		
OWINGS MILLS 2SE SHARROW				1.22	T											0.48	0.27							T	0.07	T			0.30	2.34	2400		
BALTIMORE 2SE MANFRE				0.02	1.09										0.02	0.29	0.07							T	T	0.05	T		0.19	1.73	1800		
BALT INNER HARBOR MD SCIENCE CENTER				0.05	1.03										0.02	0.33	0.09								0.01	0.04			0.21	1.78	2400		
MANCHESTER 1SW CLOSE				T	1.05											0.40	0.99								0.01	0.15	0.01		0.27	2.88	2300		
WESTMINSTER 4 SSE HARTSOCK				1.11												0.40	0.83								0.02	0.18	0.01	T		0.19	2.74	1900	
MILLERS 4NE MILLER				1.10	0.02											0.36	0.95							T	T	0.20	0.01		0.16	2.80	1800		
WESTMINSTER CITY MULLER				1.00	0.11											0.48	0.72							T	T	0.16	0.05		0.27	2.79	1900		
BRYANS ROAD 2 ESE BRUMBACK				1.41	0.02											0.36	0.17									0.01	0.02		0.02	2.01	2400		
EMMITSBURG 2 SE GLASS				0.33	0.52											0.05	1.42								0.01	T	0.23		T	2.56	0700		
																													0.0	EST			

**ACON MD / DE / DC
NOVEMBER 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	TOTAL	OBS TIME
EAGLE ROCK HARVEY																															0800 EST	
LAUREL JHU / APL GIANNOLA			0.02	1.07	0.01										0.03	0.43	0.23								T	0.03	0.02			0.10	1.94 0.0	2400 EST
NORBECK 1 SE BERGER				1.24	0.02											0.50	0.23								0.02	0.11	0.03			0.11	2.26 0.0	2200 EST
POTOMAC 4N COHEN				1.30	0.02											0.70	0.31								0.03	0.14	0.03			0.11	2.64 0.0	2100 EST
OLNEY 1 S GIANNOLA			>	1.20	0.02										>	0.46	0.33								0.02	0.10	0.04			0.09	2.26 0.0	2400 EST
CLARKSBURG 2ENE HOLDEN			0.09	1.02											0.01	0.78	0.09								T	0.09	0.02	T		0.18	2.28 T	2400 EST
MONTGOMERY VILLAGE ROTH 1SW				1.07												0.90	0.05								0.02	0.02	0.13			0.10	2.29 0.0	2400 EST
GLENMONT 1NNE ROSSEN			0.09	1.19	0.01										0.08	0.43	0.12							T	0.02	0.09 T	0.02			0.13	2.18 T	2400 EST
BETHESDA SCAFIDE				1.18											0.11	0.47	0.09	0.01	0.02	0.03					0.02	0.08	0.01			0.11	2.13 -	2400 EST
GAITHERSBURG 2WNW SHAW			0.04	1.09	0.01										0.05	0.70	0.08								T	0.10	0.02			0.13	2.22 0.0	2400 EST
FOREST GLEN TERRY			0.09	1.28	0.01										0.11	0.44	0.28								0.02	0.09	0.02			0.12	2.46 0.0	2400 EST
OXON HILL SMITH			0.15	1.33	0.02										0.16	0.27	0.19								T	0.05 T	0.01			0.03	2.21 T	2300 EST
HOLLYWOOD ABELL																																2359 EST
HOLLYWOOD 3 ENE GLEASON				0.44	0.69	0.01										0.07	0.16								T	T	T	T			1.37 0.0	2400 EST
RIDGE ZYLA			T	1.08	0.02										0.05	0.02	0.07													0.01	1.31 0.0	2400 EST
SMITHSBURG 1.5 SW HUTTO			0.02	1.38		T									0.09	0.90	0.21								0.03	0.27	0.02			0.46	3.38 0.0	2400 EST
HAGERSTOWN 1E KEEFER			0.01	1.12	T	T									0.06	0.84	0.19								0.03	0.22	0.02	T		0.44	2.93 0.0	2400 EST
SMITHSBURG 2 NE VAUGHN				0.96											0.05	0.81	0.12								0.03	0.28	0.01			0.36	2.62 0.0	2400 EST
SALISBURY NWS WICOMICO CO APT				0.71	0.05										0.03	0.10	0.21									0.03	0.12			0.01	1.26 0.0	2400 EST
WASH NATIONAL NWS ASOS			0.13	1.31	T										0.17	0.31	0.23							T	T	0.03 T	0.01			0.03	2.22 T	2400 EST
WASH DULLES NWS ASOS			0.13	1.05	T										0.11	1.02	0.03							T	0.02	0.03	0.02			0.09	2.50 0.0	2400 EST
STERLING 4 N SHAFFER			>	1.12	0.02										0.10	1.10	T								0.02	0.08	0.03			0.08	2.55 0.0	2400 EST
DAVIS 3 SE WV LESHAR				0.72	0.38	0.52	0.01								0.09	0.12	0.61	T	0.09						0.06	0.40 T	0.34	0.04	0.03	0.62	4.03 5.7	0700 EST