



VOLUME 2013

ISSUE JANUARY

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

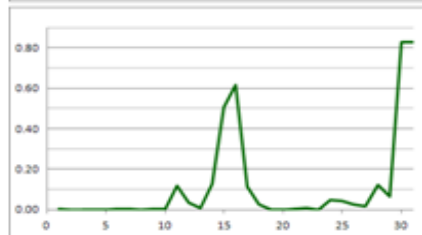
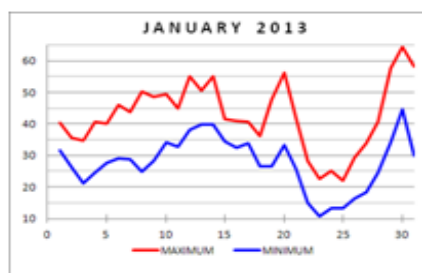
<http://www.jhuapl.edu/weather/education/ACONdata.html>

Mild, Becoming Damp 1st-21st ... Frigid, Light Snows 22nd-26th ... Record Warmth, Heavy Rain 30th-31st

The first half of January 2013 became increasingly mild, while the last two weeks flipped between quite warm and very cold on several occasions. All the warmest days fell on the 29th-31st (mostly the 30th) with most stations reaching 67-71°F, and the lowest readings were found across north-central Maryland and the Alleghenies. Coldest mornings occurred during the 23rd-26th (mainly the 23rd), with most locations dropping to 8-11°F, and the highest readings found generally in Baltimore City and adjacent to the Chesapeake Bay. This was the coldest/longest arctic outbreak to hit the region in just over four years (since January 14th-21st, 2009). The vast majority of sites were held under 32°F for 4 or 5 days, the only difference being some edging briefly into the mid-30's on the 26th. Following a strong frontal passage early on the 31st, readings fell as much as 44°, with most sites falling from the lower 60's to near 30°F.

The region was largely precipitation free for the first 10 days of the month, excepting a couple inches of fluffy snow to ring in the New Year across the Allegheny Front and a ½" coating of snow in northern Delaware on the 6th. Weak cold air damming brought light rain on the 11th with generally ~0.10", except 0.20-0.69" along the northern counties. Widespread fog enveloped the region from the 11th to the 13th. Then a stationary front off of the Atlantic coast supported a series of mainly rainy disturbances over the 14th-17th. On the 15th and 16th, marginal cold air promoted light mountain snow (0.2-1.2" total) while stations reported the greatest precipitation amounts for the week - generally ~0.50" (15th) and ~0.70" (16th). Icing occurred on the 16th at sites above 700 feet, especially on elevated surfaces. The last and strongest disturbance brought precipitation rates sufficiently intense to yield a pocket of wet snow for southern MD/the lower Delmarva on the evening of the 17th. John Zyla/Ridge 1N reported 0.8" snow (all 2000 - 2400LT), while

the Salisbury Airport had 1.0". A week later two weak clippers came in quick succession (#1: AM 24th; #2: PM 25th/AM 26th) during the middle of the arctic outbreak. Totals from the 24th's system were generally 1", although St. Mary's County, MD got the fluffy 3-6" bulls eye. The 25th's clipper was a slightly deeper ~1" coating for most sites, although 2-3" fell around Smithsburg. While mountain sites saw 2-4", a total of 4-7" was counted when adding additional upslope snows on the 26th-27th. Nearly all sites saw a light ice-to-rain event during the 28th. Over the 30th - early 31st impressive rains preceded a long Gulf of Mexico-to-Ontario cold front. Uncharacteristic of mid-winter, a huge deviation in rain existed as the middle 50% received 0.75-2.25", with <1.00" across the lower Chesapeake and southern DE and 3.00-4.50" in much of the Maryland Piedmont. The highest storm totals were 4.46" Tony Scafide / Bethesda 3NW, 4.23" Rick Holden / Clarksburg 2ENE, and



ACON MD/DE/DC Network
Daily average temperature and precipitation
based on observation, not calendar, days.

EXTREMES REPORTED BY

ACON OBSERVERS

MAXIMUM TEMPERATURE

Baltimore 2SE	75	30
Seaford 1W, DE	74	30

MINIMUM TEMPERATURE

Davis 3SE, WV	-5	22,23
Frostburg #2	1	24
LaVale	6	23

HIGHEST AVG. MAX TEMP

Seaford 1W, DE	49.0
Baltimore 2SE	48.6

LOWEST AVG. MIN TEMP

Davis 3SE, WV	19.8
Frostburg #2	21.8

MAXIMUM PRECIPITATION

Clarksburg 2ENE	6.27
Westminster 4SSE	6.07
Bethesda 3NW	5.93

MINIMUM PRECIPITATION

Seaford 1W, DE	2.06
LaVale	2.57

MAXIMUM SNOWFALL

Davis 3SE, WV	18.0
Ridge 1N	8.3
Frostburg #2	7.2

MINIMUM SNOWFALL

Bryans Road 2ESE	1.2
Oxon Hill	1.3
Baltimore 2SE	1.3

Extremes do not include ASOS/AWOS or any COOP sites added to network after Dec 2012.

(Write-up continued on page 2...)

NEW ACON SITES

Starting this month we have seven new COOP sites: mountain locations Sines Deep Creek and Bayard, WV; Harford County's Conowingo Dam and Phillips Air Field; "Mechanicsville SNE" in St. Mary's County; and finally Dover, DE and the veteran Royal Oak 2SSW in Talbot County, MD. New DEOS site Sandtown, DE was also added. These eight sites will help fill our spatial holes in data and better resolve precipitation events.

(Write-up continued...)

4.15" **Ralph Hartsock**/Westminster 4SSE. The event more than doubled January rain totals for 18 sites.

The 17 manned wind-reporting stations observed peak wind gusts typical for mid-winter. **Jim Vaughn**/Smithsburg 3NE had the top reading at 62 MPH from the NW on the 18th. The month ended with strong winds from westerly directions, especially at **Ralph Hartsock**/Westminster 4SSE (55 MPH), **Rick Holden**/Clarksburg 2ENE (53 MPH) and **Bobby Miller**/Millers 4NNE (52 MPH) as the impressive rain maker deepened over Quebec.

NEW & TIED RECORDS REPORTED for JANUARY 2013

TEMPERATURE

12TH – IAD - Dulles Arpt – Highest Minimum **41°F** (old = 40, 2012)
29TH – SBY - Salisbury 5ESE – Highest Maximum **72°F** (old = 71, 2002)
30TH – **Nate Mullins**/LaVale – Highest Minimum **48°F** (old = 47, 2002)
30TH – ILG - New Castle 2WNW – Highest Maximum **70°F** (old = 68, 1947)
30TH – DCA - National Arpt – Highest Minimum **52°F** (old = 52, 2002, et al.)
30TH – IAD - Dulles Intl Arpt – Highest Maximum **72°F** (old = 70, 2002)
30TH – IAD - Dulles Intl Arpt – Highest Minimum **56°F** (old = 54, 2002)
31ST – ILG - New Castle 2WNW – Highest Maximum **70°F** (old = 68, 1947)
31ST – GED - Georgetown 1E – Highest Maximum **65°F** (old = 65, 1947)

PRECIPITATION

JAN – **Rick Holden**/Clarksburg 2ENE – Greatest Daily **3.59"**, 1/30/2013
JAN – **Alexander McGinnis**/Rockville 2W – Greatest Daily **1.90"**, 1/30/2013 (old = **1.75"** 1/14/2005)
JAN – **Alexander McGinnis**/Rockville 2W – Greatest 2-Day **2.36"**, 1/30-31/2013 (old = **2.07"** 1/6-7/2009)
JAN – **Kevin Shaw**/Gaithersburg 2WNW – Greatest Daily **3.00"**, 1/30/2013 (old = **2.12"**, 1/14/2005)
JAN – **Kevin Shaw**/Gaithersburg 2WNW – Greatest 24-Hour total **3.37"**, 1/30-31/2013
16TH – **Nate Mullins**/LaVale – Greatest Daily **0.55"** (old = 0.40, 1954)
30TH – **Nate Mullins**/LaVale – Greatest Daily **0.95"** (old = 0.80, 1966)
30TH – **Kevin Shaw**/Gaithersburg 2WNW – Greatest Daily **3.00"** (old = 0.90, 2000)
30TH – IAD - Dulles Intl Arpt – Greatest Daily **2.00"** (old = 0.63, 2002)

OTHER

JAN – **Joe Terry**/Forest Glen – Lowest sea level pressure **29.14"**, 1/31/2013 (19-year station history)
JAN – **Joe Terry**/Forest Glen – Lowest relative humidity **16%**, 1/20/2013 (19-year station history)

[NEAR MISSES – HIGH TEMPERATURES 1/29-30/2013]

29TH Hagerstown 1E: Max = 67, record = 72 (2002)
30TH Gaithersburg 2WNW: Max = 68, rec = 69 (2002); Min = 48, rec = 50 (2002). Hagerstown 1E: Max = 69, rec = 70 (1947)

OBSERVER COMMENTS for JANUARY 2013

1ST

Greg Latta/Frostburg #2 – Happy New Year!
Rick Holden/Clarksburg 2ENE – White New Years Day
John Zyla/Ridge 1N – Cloudy skies, light rain (0.01") at 750A
NWS COOP/Bayard – Flurries at ob time

2ND

Bobby Miller/Millers 4NE – PM max **32**, eve min **21**, solar 2.91 kw-hr/sq m
John Zyla/Ridge 1N – Cloudy skies, light rain from 330-745A with snow flurries at 745A

3RD

Bobby Miller/Millers 4NE – AM hard freeze. A few SCT Ci & Ac, solar 2.51 kw-hr/sq m
Wes Gleason/Hollywood 3ENE – Some ice on creek (first ice of season)

4TH

Wes Gleason/Hollywood 3ENE – Some ice on creek
John Zyla/Ridge 1N – Heavy Frost this am, clear and cold all day
NWS COOP/Bayard – Very light flurries at ob time

5TH

Joe Manfre/Baltimore 2SE – A little light rain in late PM
Alexander McGinnis/Rockville 2W – A few flakes 1110-~1150P

6TH

Jeff Stoudt/Laurel 2E – Light rain/snow mix wee hours
Marty Sharrow/Owings Mills 3SE – Icy start, then mostly sunny & milder
Ralph Hartsock/Westminster 4SSE – Early dusting - partly cloudy and milder
Rick Holden/Clarksburg 2ENE – Lt Sleet/Lt Snow
Kevin Shaw/Gaithersburg 2WNW – Cloudy, overnight snow flurry, mild after chilly start. Partly cloudy rest of day

7TH

Greg Latta/Frostburg #2 – Windy
Bobby Miller/Millers 4NE – AM clds PM sun, eve min 25, solar 1.41 kw-hr/sq m
Alexander McGinnis/Rockville 2W – AM Min 38
NWS COOP/Bayard – Very few flurries in the air at ob time

8TH

Marty Sharrow/Owings Mills 3SE – Frosty start; sun & high clds & milder
John Swaine III/Royal Oak 2SSW – FROST; sunny wind SW

9TH

Bobby Miller/Millers 4NE – AM frost & hz, brief PM -ra, solar 1.02 kw-hr/sq m
Rick Holden/Clarksburg 2ENE – Lt Rain/Aftn Max 45
Kevin Shaw/Gaithersburg 2WNW – Cloudy, mild with warmest temps in the eve, light shower late afternoon

10TH

Delaware DOT/Dover 1SE – Day max = 49

11TH

Nate Mullins/LaVale – Rain
Jeff Stoudt/Laurel 2E – Periods of light rain/drizzle w/ fog
McGinnis/Rockville – Occ. L-/sprinkles 1230-300P, R-, mainly steady 300-630P, to occ. L-/few drops > 630P; F- in late eve.
John Zyla/Ridge 1N – Cloudy, Continued mild, Early PM rain (0.31"), Breezy, Late PM fog
Greg Keefer/Hagerstown 1E – Cloudy, cool, light rain and drizzle

12TH

John Zyla/Ridge 1N – DENSE FOG all day, never saw the sun, light drizzle during the evening
Mac Hutto/Smithsburg 3WNW – Fog overnight until mid morning, mostly cloudy, very mild
NWS COOP/Bayard – Off and on drizzle most all day with periods of fog and even sunshine

13TH

Jeff Stoudt/Laurel 2E – Periods of drizzle w/ dense fog
Bobby Miller/Millers 4NE – HVY fog all day, PM max 48, some drizzle, solar 0.68 kw-hr/sq m
Joe Terry/Forest Glen – Fog was observed virtually all day
Wes Gleason/Hollywood 3ENE – Fog all day
John Zyla/Ridge 1N – DENSE FOG all day, drizzle overnight = 0.02"

14TH

Greg Latta/Frostburg #2 – Windy
Nate Mullins/LaVale – PM sleet shower
Phillips Army Air Field/Aberdeen 2S – Rain total for weekend [0.33"]
Rick Holden/Clarksburg 2ENE – Mod Rain/AM Min 51/Aftn Max 51
McGinnis/Rockville – Min in eve; Fog in early AM before winds develop towards dawn; thunder to west in evening
John Swaine III/Royal Oak 2SSW – 745A RAINBOW in western sky
Greg Keefer/Hagerstown 1E – Light rain fell 100A-300A .08". Rain this evening began around 730P

15TH

Delaware DOT/Dover 1SE – Day Max = 40, Cloudy
Bobby Miller/Millers 4NE – 14th eve min 37, -ra 15th, PM max 38, solar 0.47 kw-hr/sq m
Rich Giannola/Olney 1S – -RA thru morning, 0.34" by 615A. Occasional -RA during the day. Steadier RA began in evening
Rick Holden/Clarksburg 2ENE – Hvy Rain/Mod Frz Rain/AM Min 36
John Zyla/Ridge 1N – Dark, dreary, rainy all day, FOG in the evening
Greg Keefer/Hagerstown 1E – Rain overnight 1200M – 200A .05". Cloudy today high 39 F. Rain this evening 730P – 1200M
NWS COOP/Bayard – Drizzle began around 6pm and changed over to snow at 800P

16TH

Greg Latta/Frostburg #2 – 0.1" of glaze
Nate Mullins/LaVale – Freezing rain & sleet
Ralph Hartsock/Westminster 4SSE – Rain and freezing rain continues - a soaker
Bobby Miller/Millers 4NE – ¾ inch glaze on trees gone by obsn, solar 0.15 kw-hr/sq m
Rick Holden/Clarksburg 2ENE – Mod Frz Rain/Lt Rain/Aftn Max 37
John Swaine III/Royal Oak 2SSW – Rain continued, last 0.10" after sunrise. Mostly sunny; wind NE, then NW 5-10 mph
Greg Keefer/Hagerstown 1E – Rain overnight with a bit of sleet mixed in at times. Stayed slightly above freezing. No icing at this location. Rain through the morning and early afternoon then remained cloudy high 38 F. Past 3 days rain was 1.26"
NWS COOP/Bayard – A foggy wet misty day, heavier rain started in eve (15th) w/ice hanging off the wires and tree limbs by obs

17TH

Delaware DOT/Dover 1SE – Drizzle ending as sleet
Roy Lamberton/Seaford 1W – Trace of snow by 1100P - still falling
Jeff Stoudt/Laurel 2E – Sprinkles before dawn and late afternoon
John Zyla/Ridge 1N – Cloudy with rain (MID-7am=0.23"), cloudy with rain thru the day

18TH

Marty Sharrow/Owings Mills 3SE – Brief a.m. flurry; sunny, windy & colder
Bobby Miller/Millers 4NE – AM max 34 flurries windy gust 36 NNW solar 3.30 kw-hr/sq m
John Zyla/Ridge 1N – Clear and cold, some rain (after 1200MID to 1230A = 0.05")
John Swaine III/Royal Oak 2SSW – Rain ended at midnight. Observed no snow. Starry sky thru thin clouds at 300A
Greg Keefer/Hagerstown 1E – Windy and colder overnight with some snow showers around 300A. NW gusts to 32 mph. Max temp ~330A. Morning: windy, wind chills in mid teens. Afternoon: sunny cold and breezy, PM Max of 33 F
NWS COOP/Bayard – Very windy all night few flurries in the air at ob time

19TH

Kevin Shaw/Gaithersburg 2WNW – Sunny, much warmer afternoon after chilly morning
John Zyla/Ridge 1N – Clear, cold with wind out of the SW most of the day, still had some snow on the ground

20TH

Nate Mullins/LaVale – 41 mph wind gust (Alco)
Rick Holden/Clarksburg 2ENE – AM Min 36
Greg Keefer/Hagerstown 1E – Sunny mild and very windy today. Strong west winds, PWG 46 mph. Much colder, windy

21ST

Delaware DOT/Dover 1SE – Dusting of snow, WINDY!, Day Max = 39
John Zyla/Ridge 1N – Sunny and clear with light frost, becoming partly cloudy by evening
John Swaine III/Royal Oak 2SSW – Mostly cloudy; then snow flurries 300P; mostly sunny before sunset with wind SE 5-10

22ND

Ralph Hartsock/Westminster 4SSE – Very cold, windy - 16 @ 5 PM – clear

Bobby Miller/Millers 4NE – AM max 23, eve min 9, subzero wind chill, solar 3.02 kw-hr/sq m

Rob Cohen/Potomac 4NNE – Afternoon max = 24

Kevin Shaw/Gaithersburg 2WNW – Sunny, much colder, first sub-32 max day of winter

Greg Keefer/Hagerstown 1E – Overnight: much colder, WNW wind gusts to 47 mph, snow flurries, winds chills down to -3

23RD

Joe Terry/Forest Glen – First frozen precip of the month. Lowest temperature since Jan 31, 2010

Wes Gleason/Hollywood 3ENE – 1st day since 24 Jan 11 of high 32 or less

John Zyla/Ridge 1N – Clear and very cold, lowest low since 4-Mar-2009, snow flurries at 1045P-MID = T, no accumulation

Sandy Hastings/Mechanicsville 4NNE – Sun, Frigid!

24TH

Roy Lamberton/Seaford 1W – 1" of snow fell after midnight and before 700A

Alexander McGinnis/Rockville 2W – S-/S-- 1215-920A: 0.4" <200A + 0.2" (2-4A) + 0.4" (4-6A) + 0.1" (6-7A) + 0.1" <920A; 18:1

John Zyla/Ridge 1N – Cloudy with 5.5" snow (0.21") from MID to 630A and additional 0.6" of snow (0.02") from 700-1030A

John Swaine III/Royal Oak 2SSW – Awoke to a dusting of snow covering ground; wind NW 15-20, gust to 30

Greg Keefer/Hagerstown 1E – Light powdery snow overnight, mainly 130-400A. Partly cloudy, windy, NW winds up to 28 mph.

25TH

Alexander McGinnis/Rockville 2W – S- 200-600P, quickly accumulating to all surfaces, flakes of various small sizes, SLR 14:1

John Zyla/Ridge 1N – Cloudy in the morning, then snow pellets/grains from 237P-730P = 1.0" (0.09")

Greg Keefer/Hagerstown 1E – Snow, mainly between 12N - 600P, moderate at times. Very cold

26TH

Rich Giannola/Olney 1S – Light flurries ~930-1030A

Joe Terry/Forest Glen – Ending 110 consecutive hours below freezing

John Swaine III/Royal Oak 2SSW – Overnight: ice pellets begin after sunset. Snowing at 900P with blowing SW wind

27TH

Sandy Hastings/Mechanicsville 4NNE – Sun, not much melting

Mac Hutto/Smithsburg 3WNW – Light snow shower overnight, very cold ~~AM~~, partial clearing, Not as cold, breezy

28TH

Nate Mullins/LaVale – Freezing rain & rain showers

Marty Sharrow/Owings Mills 3SE – Wintry mix in a.m. Ovc & raw p.m.

Joe Manfre/Baltimore 2SE – Cloudy, cold, am light snow changing to freezing rain & rain, ending by mid-afternoon, snow-trace

Ralph Hartsock/Westminster 4SSE – Snow to sleet, freezing rain - warming up some

Bobby Miller/Millers 4NE – AM lt snow sleet to glaze, PM fog, solar 0.25 kw-hr/sq m

Eric Glass/Emmitsburg 2SE – Sleet and rain

Rick Holden/Clarksburg 2ENE – Lt Snow/Lt Sleet/Mod Frz Rain/Lt Rain/Aftn Max 37

Joe Terry/Forest Glen – A period of light freezing rain early that changed to rain shortly after dawn

Sandy Hastings/Mechanicsville 4NNE – Snow, sleet, and freezing rain

John Zyla/Ridge 1N – Some freezing rain before 700A (0.02"), then rain after 700A to 1030A (0.16"), partly cloudy by afternoon

John Swaine III/Royal Oak 2SSW – Sleet begins 620A, turning to all rain by 648A. Some glaze on grassy surfaces

Greg Keefer/Hagerstown 1E – Sleet, freezing rain and some snow began just after 300A, light coating (0.1") of ice on all

surfaces. Changed to all rain by late morning as temps went above 32. Some light rain/drizzle this afternoon. Much warmer

29TH

Bobby Miller/Millers 4NE – Yesterday eve max 41, 29th: afternoon hi clds solar 2.89 kw-hr/sq m

Rich Giannola/Olney 1S – Morning FG. Right sundog at 420P

Joe Terry/Forest Glen – 71°, not a daily record but warmest January day since 2008...just 4 days after a 24° max

30TH

Ralph Hartsock/Westminster – 4SSE very warm, heavy rains and windy - very heavy

Bobby Miller/Millers 4NE – AM fog & haze, aftn & eve +ra, gust 42, solar 0.37 kw-hr/sq m

Alexander McGinnis/Rockville 2W – Few drops before squall line sprinkle ~300P, R/RW's >330P, with occ. R+ 1100-Obs

Kevin Shaw/Gaithersburg 2WNW – Cloudy, damp, fog early - rain mid aft through evening. Max rainfall rate 4.84"@1922; heaviest period 1.36" 1015P-1200M

Joe Terry/Forest Glen – Second consecutive 70 degree day despite only a brief glimpse of sun. Dew point reached 61 degrees late. Moderate to heavy rain much of the evening while remaining mild and humid

John Zyla/Ridge 1N – Overcast and warmer, still one patch of snow left today despite high temps

John Swaine III/Royal Oak 2SSW – Cloudy. Wind SW 15-20 gust 30, later 35-40 with gust to 45

Greg Keefer/Hagerstown 1E – Warm, rain began this afternoon with gusty winds ~130P, continued into evening, moderate to heavy at times. Strong south winds gusting to 42 mph.

31ST

Nate Mullins/LaVale – Snow squalls, 46 mph wind gust (Alco)

Ray Muller/Reisterstown 1NW – Very heavy rainfall, month low pressure of 29.17" early in the day, assoc. gale-force winds

Ralph Hartsock/Westminster 4SSE – Rains - ends early - windy, colder - partly cloudy, flurries

Bobby Miller/Millers 4NE – +Ra, flooding, gust 52 at 1052A WSW, solar 2.86 kw-hr/sq m

Rick Holden/Clarksburg 2ENE – Hvy Rain/Lt Snow/AM Min 37/Aftn Max 41

McGinnis/Rockville – Convective periods of R <255A, with occ. R+ 100-130 ... and final RW <500A; erratic winds from the west

Kevin Shaw/Gaithersburg 2WNW – Cloudy, rain overnight (0000-0250), sunny, colder as day progressed. MRR 6.40"/hr @ 0101

Joe Terry/Forest Glen – Strong cold FROPA early followed by rapidly falling temperature and humidity. Dew point dropped from 61 to 10 during the day

Brian Smith/Oxon Hill – +TSRA 820-1035P

Wes Gleason/Hollywood 3ENE – Powerful storm starting at 600P

Greg Keefer/Hagerstown 1E – Rain 1200-300A, another 0.40". High west winds began just before 3am with gusts to 47 mph.

Strong winds continued all day, gusts to 48 mph. Snow flurries today. Max temp of 55 just after midnight.

Mac Hutto/Smithsburg 3WNW – Overnight rain (0.40"), cloudy, snow flurries, slightly cooler but still mild, very windy (35mph)

NWS COOP/Bayard – Very windy beginning at 142A, continuing through night and morning. Snow in the early morning hours

Ray Muller/Reisterstown 1NW – Reisterstown city rainfall for January well above normal

Kevin Shaw/Gaithersburg 2WNW – 5th wettest January in 35 years

Report compiled and produced in entirety by Alexander McGinnis, MD/DE/DC ACON Production Assistant,
with data received from dedicated observers.

Thanks again to our dozens of loyal and regular observers who have made this issue possible. Our quest continues to replicate Gary's meticulous work while finding efficient methods to improve the network.

Please send us your candid feedback on any preferences and alert us of any mistakes we may have made.

I am planning to proceed with the February, March, and April reports in quick succession
following any feedback.

ACON MD/DE/DC JANUARY 2013 DATA SUMMARY (PAGE 1/2)

COUNTY, STATE		TEMPERATURE									PEAK WIND			PRECIPITATION					SNOWFALL				OBS TIME					
OBSERVER	STATION	AVG MAX	AVG MIN	MEAN	MAX DAY	MIN DAY		MAX ≥ 90	MAX ≤ 32	MIN ≤ 32	GUST	DIR	DAY	TOTAL	MAX DAY	DAY	DAYS ≥ .01"	DAYS ≥ 1"	Year 2Date	TOTAL	MAX DAY	DAY		Seasn 2Date				
KENT, DE																												
Delaware DOT	Dover 1SE	45.6	29.9	37.7	70 30	10 26		0	5	17				2.39	0.79	16	10	0	2.39	2.0	1.5	25	2.0	1600				
U of D REC DEOS*	Sandtown	45.3	27.9	36.6	70 30	9 26		0	5	19	34		30	2.32	0.75	15	9	0	2.32					2400				
NEW CASTLE, DE																												
Legates, David	Middletown 6N	43.7	27.4	35.6	69 30	12 23		0	5	21	37		31	3.07	0.78	16	10	0	3.07					2400				
ILG - Wilmington	†New Castle 2WNW	43.6	27.6	35.6	70 30	9 26		0	5	20	47	WNW	31	3.70	0.82	16	11	0	3.70	2.2	1.1	21	2.6	2400				
SUSSEX, DE																												
Lamberton, Roy	Seaford 1W	49.0	28.6	38.8	74 30	12 25		0	4	19	46	WNW	31	2.06	0.58	15	11	0	2.06	2.3	1.3	26	2.3	2400				
GED - Sussex Co Arpt	†Georgetown 1E	48.0	29.7	38.8	75 30	8 26		0	5	17	66	SSW	7	2.80	0.77	16	9	0	2.80					2400				
U of D REC DEOS*	Rehoboth Beach BW	45.5	31.8	38.6	66 30	13 23		0	5	16	30		31	2.69	0.69	15	11	0	2.69					2400				
ALLEGANY, MD																												
Latta, Greg	Frostburg #2	37.1	21.8	29.4	64 31	1 24		0	12	26				3.09	1.12	31	12	1	3.09	7.2	3.3	26	35.2	700				
Mullins, Nate**	LaVale	40.1	26.1	33.1	57 29, 30	6 23		0	5	20	46		31	2.57	0.95	30	9	0	2.57	4.4	2.5	25	18.9	2400				
ANNE ARUNDEL, MD																												
Hanson, Dan	Pasadena 2N	44.9	27.5	36.2	69 30	10 25		0	4	22	38	SW	31	3.00	0.68	31	12	0	3.00	2.3	1.3	24	3.1	2400				
Jug Bay Wetlands	Lothian 2S	45.8	35.4	40.6	55 8	28 3		0	0	2	10		8	M	M	M	7	0	M					2400				
Stoudt, Jeff	Laurel 2E	45.0	29.2	37.1	70 30	11 23		0	4	19				3.29	0.98	30	11	0	3.29	2.2	1.1	25	3.3	2359				
BWI - Baltimore	†Hanover 1ESE	45.2	28.6	36.9	70 30	11 25		0	4	20	48	W	31	3.64	1.22	30	9	1	3.64	2.9	2.0	24	4.3	2400				
BALTIMORE, MD																												
Muller, Ray	Reisterstown 1NW	42.6	28.6	35.6	67 30	10 23		0	5	22	42	NW	31	5.78	1.93	31	11	2	5.78	2.0	1.0	25	2.0	2100				
Sharrow, Marty	Owings Mills 3SE	42.1	27.3	34.7	66 30	10 23		0	5	19				5.61	2.66	30	9	1	5.61	1.6	0.7	24, 25	6.0	22-24'				
CITY of BALTIMORE, MD																												
Manfre, Joe	Baltimore 2SE	48.6	34.9	41.8	75 30	17 23		0	4	8				3.77	1.43	30	10	1	3.77	1.3	0.8	25	1.3	2400				
DMH - MD Sci Center	†Balt Inner Harbor	48.0	35.0	41.5	74 30	17 23		0	3	8				3.90	1.51	30	10	1	3.90					2400				
CARROLL, MD																												
Close Jr., Herb	Manchester 1SW	40.9	26.5	33.7	65 30	7 23		0	6	23	38		31	5.47	2.26	30	10	2	5.47	2.3	1.6	25	12.0	2300				
Hartsock, Ralph	Westminster 4SSE	42.0	28.4	35.2	66 30	10 23		0	6	21	55	WNW	31	6.07	2.55	31	10	3	6.07	1.5	1.0	25	8.9	1800				
Miller, Bobby	Millers 4NE	41.8	26.8	34.3	66 30	7 23		0	5	20	52	WSW	31	5.32	2.68	31	13	2	5.32	2.4	1.6	25	11.9	1800				
CHARLES, MD																												
Brumback, Marty	Bryans Road 2ESE					STATION BEGINNING				PRECIP ONLY								2.69	1.10	31	11	1	2.69	1.2	0.9	24	1.6	700
FREDERICK, MD																												
Glass, Eric	Emmitsburg 2SE	41.3	25.8	33.6	67 31	11 23		0	7	24				3.84	1.80	31	11	2	3.84	3.0	2.0	26	12.0	700				
GARRETT, MD																												
Sines Deep Creek Lake	McHenry 3SW	35.2	19.2	27.2	68 31	2 23, 25		0	13	26				4.10	1.20	31	16	1	4.10	12.0	4.0	26	54.8	700				
HARFORD, MD																												
Conowingo Dam	Darlington 1ENE	40.1	25.2	32.6	66 31	9 23		0	5	25				6.17	1.87	31	11	3	6.17	1.9	1.0	26	2.9	700				
Phillips Army Air Field	Aberdeen 2S	42.8	27.5	35.2	67 31	10 26		0	5	19				3.30	1.25	31	7	1	3.30	1.2	1.2	26	2.4	700				
MONTGOMERY, MD																												
Berger, Ron	Norbeck 1SE	44.9	28.5	36.7	69 30	7 23		0	4	21				3.97	1.11	31	13	2	3.97	2.0	1.1	24	3.4	2200				
Cohen, Rob	Potomac 4NNE	44.5	29.9	37.2	68 30	11 23		0	4	20				3.80	1.26	30	10	1	3.80	1.9	1.0	24	2.8	2100				
Giannola, Rich	Olney 1S	44.2	28.5	36.3	68 30	8 23		0	4	19				4.23	M	M	10	2	4.23	2.0	1.2	24	3.6	2400				
Holden, Rick	Clarksburg 2ENE	43.1	28.8	35.9	67 29, 30	8 23		0	5	21	53	W	31	6.27	3.59	30	11	1	6.27	2.6	1.5	24	9.4	2400				

ACON MD/DE/DC JANUARY 2013 DATA SUMMARY (PAGE 2/2)

COUNTY, STATE		TEMPERATURE									PEAK WIND			PRECIPITATION					SNOWFALL				OBS TIME	
OBSERVER	STATION	AVG MAX	AVG MIN	MEAN	MAX DAY	MIN DAY	MAX ≥ 90	MAX ≤ 32	MIN ≤ 32	GUST	DIR	DAY	TOTAL	MAX DAY	DAY	DAYS ≥ .01"	DAYS ≥ 1"	Year 2Date	TOTAL	MAX DAY	DAY	Seasn 2Date		
MONTGOMERY, MD (CON'T)																								
McGinnis, Alexander	Rockville 2W	44.3	29.7	36.8	67	30	11	23	0	4	20			4.16	1.90	30	14	1	4.16	2.2	1.2	24	4.3	2400
Rossen, Stan	Glenmont 1NNE	46.5	28.5	37.5	70	29, 30	11	23	0	4	22	24	30	3.68	2.51	30	10	1	3.68	1.8	0.9	24, 25	3.3	2400
Scafide, Tony	Bethesda 3NW	44.9	30.6	37.7	69	30	11	23	0	4	19	28	31	5.93	3.41	31	12	2	5.93					2400
Shaw, Kevin	Gaithersburg 2WNW	44.9	29.7	37.3	68	30	12	23	0	4	20	28	NW 31	5.29	3.00	30	12	1	5.29	1.8	1.0	24	5.9	2400
Terry, Joe	Forest Glen	47.2	30.5	38.8	71	29	10	23	0	4	19	36	WNW 31	3.53	1.25	30	11	1	3.53	1.9	1.0	25	3.2	2400
PRINCE GEORGE'S, MD																								
Smith, Brian	Oxon Hill	45.8	29.9	37.8	71	31	14	23	0	4	20			2.61	0.89	31	12	0	2.61	1.3	0.9	24	2.0	700
ST. MARY'S, MD																								
Gleason, Wes	Hollywood 3ENE	47.2	32.3	39.7	70	30	17	23	0	3	16	44	W 31	3.45	0.90	16	13	0	3.45	4.2	3.7	24	4.3	24T/7P
Hastings, Sandy	Mechanicsville 4NNE	45.7	27.3	36.5	72	31	10	25	0	4	22			3.03	1.00	16	12	1	3.03	2.7	2.2	24	2.7	700
Zyla, John	Ridge 1N	47.1	32.9	40.0	71	30	14	23	0	3	14	29	W 30	4.23	1.08	15	17	2	4.23	8.3	6.1	24	8.3	2400
TALBOT, MD																								
Swaine III, John	Royal Oak 2SSW	47.2	30.8	39.0	66	30	15	24	0	3	18	45	30	2.73	0.72	31	10	0	2.73	1.1	0.6	26	1.1	1700
WASHINGTON, MD																								
Hutto, Mac	Smithsburg 3WNW	42.3	26.9	34.6	68	30	8	23	0	5	22	35	31	3.84	1.54	30	9	1	3.84	5.3	2.0	24, 25	13.5	2400
Keefer, Greg	Hagerstown 1E	42.4	26.9	34.7	69	30	9	23	0	5	23	48	W 31	3.60	1.34	30	9	1	3.60	1.9	1.5	25	9.4	2400
Vaughn, Jim	Smithsburg 3NE	43.1	27.3	35.2	68	30	9	23	0	6	23	62	NW 18	3.75	1.49	30	10	1	3.75	3.4	2.5	25	10.5	2400
WICOMICO, MD																								
SBY - Wicomico Arpt	†Salisbury 5ESE	49.9	30.2	40.1	75	30	8	25	0	4	18	58	S 31	3.00	0.87	17	10	0	3.00	2.8	1.3	24	2.8	2400
ARLINGTON, VA																								
DCA - National Arpt	†Crystal City 1SE	47.5	33.1	40.3	72	30	15	23	0	4	14	43	SSW 31	2.53	0.86	30	12	0	2.53	0.9	0.4	24, 25	1.1	2400
LOUDOUN, VA																								
IAD - Dulles Intl Arpt	†Chantilly 3N	46.0	28.7	37.4	72	30	9	23	0	4	21	46	W 31	3.70	2.00	30	11	1	3.70	1.8	1.5	24	4.0	2400
BERKELEY, WV																								
MRB - East-WV Arpt	†Martinsburg 4SSW	44.6	27.5	36.1	70	29, 30	10	25	0	5	20	52	W 31	3.40	1.49	30	10	1	3.40					2400
GRANT, WV																								
NWS COOP	Bayard	37.4	18.8	28.1	70	31	-2	25	0	12	29			4.28	1.49	31	19	1	4.28	14.3	3.0	24	69.7	700
TUCKER, WV																								
Leshner, David	Davis 3SE	34.4	19.8	27.1	62	31	-5	22, 23	0	15	25			5.94	1.90	31	18	1	5.94	18.0	5.2	24	65.4	700
MD/DE/VA SECTION AVERAGES		44.7	29.2	36.9	69	30	11	23	0	5	19	43	31	3.83	1.47	30	11	1		2.6	1.6	24	7.5	

NO WEST VIRGINIA DATA INCLUDED

STATION NOTES:

48 SITES: 10 AUTOMATED, 12 COOP

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

*U OF D REC = UNIVERSITY OF DELAWARE RESEARCH AND EDUCATION CENTER

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

SPECIAL THANKS TO JEFF TAYLOR FOR ASSISTING WITH DATA ENTRY AND QUALITY CONTROL ON MOUNTAIN COOP SITES

† NWS/FAA Station

DATA LEGEND & NOTES:

M OR UNDRLE = MISSING DATA

ITALIC = ESTIMATED DATA

> = INCLUDED IN NEXT DAYS' DATA (*)

+ = ADDITIONAL OCCURRENCES (SEE DAILY DATA)

ANY PRECIP THAT FELL AFTER OBS. ON THE 31ST IS INCLUDED IN 2/1/2013 PRECIP DATA.

TEMPERATURE FREQUENCY STATS INCLUDE READINGS ROUNDED TO THE NEAREST WHOLE DEGREE, I.E. 32.4°F IS COUNTED AS ≤ 32

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.

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.

KEVIN SHAW / ALEXANDER MCGINNIS

15 MAY 2013

ACON MD/DE/DC JANUARY 2013 DAILY TEMPERATURES (PAGE 1/2)

STATION	†NWS	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
DOVER 1SE	DE	44	36	36	41	41	50	47	54	59	53	46	60	53	59	51	41	42	39	52	58	52	25	24	26	25	28	38	40	56	70	67	45.6	1600
DE DOT		36	29	23	24	29	32	38	28	33	39	33	38	39	51	38	34	38	32	27	39	25	18	12	14	14	10	18	28	31	42	35	29.9	
SANDTOWN		44	37	34	41	42	50	49	52	57	50	50	57	55	61	42	41	42	37	51	58	42	29	24	26	24	32	36	41	65	70	67	45.3	2400
U of D REC DEOS		37	24	21	24	28	28	26	25	30	33	33	41	41	42	35	35	36	25	28	34	27	16	13	14	11	9	12	25	33	51	31	27.9	
MIDDLETOWN 6N		43	35	37	41	41	51	48	51	51	49	47	55	48	55	42	39	43	38	51	57	36	27	24	27	23	30	37	37	56	69	66	43.7	2400
LEGATES		35	24	22	27	26	30	26	24	30	33	31	41	41	42	36	35	37	24	27	32	27	15	12	15	13	13	13	23	33	39	29	27.4	
NEW CASTLE 2WNW		42	35	37	40	41	50	48	50	51	50	48	55	49	57	42	39	43	38	51	58	36	25	22	27	23	29	37	37	56	70	65	43.6	2400
†ILG - WILMINGTON		34	24	23	29	26	29	29	23	29	35	33	41	41	42	36	35	37	28	28	31	25	13	11	14	13	9	14	23	35	37	29	27.6	
SEAFORD 1W		45	41	37	45	48	67	55	54	62	56	54	60	57	61	43	42	42	42	53	60	48	29	29	29	25	37	40	46	71	74	67	49.0	2400
LAMBERTON		39	25	23	21	30	33	26	25	34	34	32	42	41	43	36	35	32	24	26	36	25	17	14	12	12	13	15	22	40	50	30	28.6	
GEORGETOWN 1E		46	40	36	43	45	52	51	56	63	55	56	59	58	64	46	45	44	39	52	59	44	31	26	27	25	32	36	48	67	75	67	48.0	2400
†GED - SUSSEX CO ARPT		40	26	26	23	29	35	29	26	35	35	33	42	40	46	38	37	34	26	27	38	25	18	13	17	14	8	16	23	40	50	32	29.7	
REHOBOTH BEACH BW		46	39	36	42	39	49	47	55	63	52	54	50	54	64	44	45	43	36	53	58	41	32	25	26	25	30	35	48	53	66	62	45.5	2400
U of D REC DEOS		39	29	27	27	33	37	32	32	40	43	38	42	41	44	39	37	33	29	32	38	31	18	13	18	17	18	20	25	41	44	31	31.8	
FROSTBURG #2	MD	36	32	24	30	28	37	36	31	44	47	45	50	59	62	41	33	35	31	36	50	41	33	10	13	16	20	25	30	48	62	64	37.1	700
LATTA		21	19	14	15	23	23	28	18	23	28	30	33	43	41	31	28	29	19	17	35	20	2	2	1	5	8	9	9	27	47	27	21.8	
LaVALE		37	33	37	34	43	41	40	42	47	49	45	52	55	51	40	39	39	35	54	48	36	18	21	23	17	30	35	35	57	57	52	40.1	2400
MULLINS		23	22	15	28	30	29	34	18	25	37	35	37	38	39	34	32	33	22	20	35	18	9	6	14	11	17	15	28	33	48	24	26.1	
PASADENA 2N		45	38	38	43	44	53	48	53	51	53	45	56	51	54	41	40	45	37	54	59	40	30	25	27	23	34	38	39	63	69	59	44.9	2400
HANSON		36	24	22	24	28	28	25	24	28	31	32	40	39	41	36	34	37	24	30	33	29	16	13	10	10	16	15	26	30	47	26	27.5	
LOTHIAN 2S		45	40	37	44	46	52	48	55	DAILY DATA STOPPED DUE TO WEATHER STATION FAILURE																							45.8	2400
JUG BAY WETLANDS		40	33	28	32	35	41	39	35	DATA WILL RESUME ONCE REPLACEMENT IS PUT INTO OPERATION																							35.4	
LAUREL 2E		44	36	38	42	42	50	47	52	50	53	46	57	50	58	41	40	42	37	54	58	43	29	26	26	24	33	38	39	67	70	62	45.0	2359
STOUDT		33	27	22	27	30	30	28	25	29	37	35	43	44	40	36	34	37	28	27	34	29	16	11	16	15	20	18	26	35	45	29	29.2	
HANOVER 1ESE		44	37	38	42	43	51	47	52	51	53	45	57	49	58	41	40	45	38	54	58	41	29	25	26	22	34	42	41	66	70	63	45.2	2400
†BWI - BALTIMORE		34	26	22	23	31	28	27	23	27	36	32	42	40	41	35	34	37	27	28	35	29	15	12	14	11	20	24	30	37	39	28	28.6	
REISTERSTOWN 1NW		40	37	36	40	42	49	43	50	47	47	46	56	54	54	41	39	41	35	52	53	42	28	20	21	24	32	36	38	58	67	54	42.6	2100
MULLER		32	27	22	30	30	30	31	30	31	37	33	40	44	41	33	32	35	28	27	32	24	11	10	12	15	15	18	26	38	47	27	28.6	
OWINGS MILLS 2SE		41	34	37	39	41	48	42	50	46	49	43	57	47	56	39	39	41	36	51	53	37	26	22	24	21	30	36	36	62	66	56	42.1	22-24'
SHARROW		36	26	20	28	27	30	26	24	26	34	33	39	40	40	35	33	34	26	24	32	23	13	10	13	14	17	18	23	35	40	26	27.3	
BALTIMORE 2SE		48	42	41	46	48	56	49	58	54	56	48	59	50	63	47	46	49	45	59	62	44	31	28	29	28	37	41	43	64	75	62	48.6	2400
MANFRE		39	34	30	33	36	38	37	35	36	46	40	46	45	45	39	38	42	34	33	39	32	19	17	19	21	26	29	35	37	49	33	34.9	
BALT INNER HARBOR		47	41	42	45	47	55	49	57	53	55	48	58	51	62	45	45	49	43	57	61	43	33	28	29	27	36	42	43	61	74	63	48.0	2400
†DMH - MD SCI CENTER		41	33	30	33	36	38	37	34	36	45	43	46	45	45	39	38	43	34	33	40	32	20	17	20	22	25	29	34	37	48	33	35.0	
MANCHESTER 1SW		38	32	34	37	40	45	39	49	47	48	42	56	49	56	38	37	41	34	52	52	33	23	20	23	19	29	35	40	61	65	55	40.9	2300
CLOSE		30	21	17	28	27	28	28	28	33	36	35	38	42	36	31	30	32	23	24	28	21	11	7	11	15	17	25	39	46	24	26.5		
WESTMINSTER 4SSE		42	32	34	37	37	47	44	49	49	48	46	56	53	57	43	36	46	33	49	52	36	24	25	26	23	30	33	34	63	66	53	42.0	1800
HARTSOCK		32	26	19	27	28	27	34	25	28	33	32	45	42	46	37	30	35	26	25	36	25	14	10	14	13	17	17	24	36	45	32	28.4	
MILLERS 4NE		39	36	35	38	40	46	40	50	47	48	42	57	48	55	45	35	41	35	53	53	38	32	20	24	19	30	34	33	63	66	55	41.8	1800
MILLER		33	24	16	26	28	26	32	25	27	36	33	38	42	45	35	31	34	26	24	33	21	12	7	11	10	12	15	22	33	44	30	26.8	
EMITTSBURG 2SE		40	39	32	35	39	39	46	41	48	50	49	42	52	52	40	43	41	32	52	54	38	21	23	25	20	30	35	40	64	67	41.3	700	
GLASS		25	28	15	15	30	25	27	23	23	24	32	33	38	43	38	32	33	31	26	29	23	15	11	11	14	16	15	21	31	35	39	25.8	
McHENRY 3SW		33	31	21	29	28	34	35	30	42	47	44	39	53	54	40	33	37	32	28	M	40	31	10	14	17	20	24	34	48	60	68	35.2	700
SINES DEEP CREEK		17	21	8	7	24	24	27	7	7	20	25	33	34	33	30	30	30	21	18	M	22	4	2	3	2	7	17	12	31	35	26	19.2	
DARLINGTON 1ENE		40	40	41	41	38	37	47	43	46	42	43	44	41	49	50	50	38	41	34	47	55	33	21	20	25	21	28	33	34	54	66	40.1	700
CONOWINGO DAM		26	26	24	21	25	26	27	23	23	27	30	32	40	38	38	33	32	31	23	30	26	16	9	9	15	11	12	12	28	33	34	25.2	

ACON MD/DE/DC JANUARY 2013 DAILY TEMPERATURES (PAGE 2/2)

STATION	†NWS	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	
ABERDEEN 2S	MD	39	42	36	37	41	43	51	47	50	49	51	47	54	50	58	41	42	45	36	50	57	36	23	24	26	23	31	36	36	59	67	42.8	700	
PHILLIPS ARMY AIR FLD		29	30	23	24	24	26	30	22	24	29	34	37	39	41	40	35	35	35	33	34	27	18	11	11	16	10	13	14	32	34	43	27.5		
NORBECK 1SE		43	38	38	42	42	50	45	53	49	53	45	58	52	58	42	39	42	36	53	57	42	30	25	26	22	34	36	43	67	69	62	44.9	2200	
BERGER		32	26	18	28	27	28	26	24	28	35	32	40	43	42	36	34	36	26	27	35	27	14	7	15	14	20	21	25	36	54	29	28.5		
POTOMAC 4NNE		43	37	38	43	43	49	45	53	45	53	46	57	54	57	43	39	41	36	54	56	44	31	25	26	24	33	36	38	67	68	56	44.5	2100	
COHEN		30	30	24	25	29	29	28	29	38	29	39	34	41	44	43	37	34	37	28	28	37	30	17	11	17	14	21	23	27	33	50	29	29.9	
OLNEY 1S		41	36	38	42	43	49	45	54	47	53	44	59	51	57	40	38	42	36	54	57	41	29	24	25	21	33	37	40	67	68	58	44.2	2400	
GIANNOLA		30	26	20	26	28	28	29	26	30	35	34	40	43	40	34	33	36	26	29	35	27	15	8	12	11	19	19	26	36	55	26	28.5		
CLARKSBURG 2ENE		40	34	36	39	41	47	43	51	50	50	43	57	52	57	38	39	42	35	54	54	42	25	23	24	21	31	35	42	67	67	56	43.1	2400	
HOLDEN		33	24	22	30	29	32	32	29	34	37	35	39	42	36	32	32	34	27	28	31	24	12	8	13	12	18	19	28	40	54	26	28.8		
ROCKVILLE 2W		41	36	37	41	43	49	44	52	48	53	45	57	53	57	40	39	42	37	55	57	42	27	25	25	22	33	38	42	68	67	57	44.3	2400	
McGINNIS		31	28	23	29	30	30	29	28	31	40	35	40	42	39	34	33	37	27	28	34	27	14	11	15	15	20	24	30	36	53	27	29.7		
GLENMONT 1NNE		44	37	41	45	45	52	47	55	48	55	46	61	57	59	41	40	43	38	56	60	45	29	27	28	24	35	39	40	70	70	63	46.5	2400	
ROSSEN		31	25	22	28	26	28	26	24	27	35	33	41	43	40	35	34	37	26	31	32	29	15	11	15	15	22	19	27	32	47	29	28.5		
BETHESDA 3NW		43	38	37	42	43	50	44	52	47	52	45	56	56	58	40	40	43	38	53	57	44	30	25	26	23	33	37	43	67	69	62	44.9	2400	
SCAFIDE		35	28	24	26	30	30	30	29	32	39	36	41	43	40	35	34	38	29	30	36	30	16	11	16	15	21	24	30	39	56	28	30.6		
GAITHERSBURG 2WNW		44	38	39	43	44	50	45	53	50	53	45	58	54	58	40	39	43	37	56	57	44	29	26	27	24	33	37	38	66	68	56	44.9	2400	
SHAW		32	28	23	28	28	30	27	25	28	38	34	41	44	39	35	34	37	29	29	35	29	16	12	16	15	22	24	31	35	48	28	29.7		
FOREST GLEN		44	39	41	45	46	53	49	56	50	58	46	60	56	58	40	41	44	40	56	60	47	29	28	31	24	36	41	42	71	70	63	47.2	2400	
TERRY		34	27	22	27	29	30	29	28	32	38	36	42	43	40	35	35	38	30	31	35	29	15	10	16	16	22	23	31	36	56	29	30.5		
OXON HILL		41	43	36	37	44	45	52	51	54	53	55	45	51	61	60	41	42	44	42	54	59	47	24	26	27	24	35	38	48	70	71	45.8	700	
SMITH		26	34	26	23	29	30	30	27	32	32	35	34	41	42	39	35	34	34	29	32	31	19	14	14	17	17	24	27	32	44	43	29.9		
HOLLYWOOD 3ENE		45	41	38	44	46	50	49	52	60	54	47	51	58	63	44	44	44	39	53	60	46	34	28	28	26	36	38	50	59	70	65	47.2	2400	
GLEASON		40	33	28	25	31	35	30	29	32	39	34	42	43	44	38	37	35	30	32	40	32	20	17	20	18	23	24	32	40	45	34	32.3		
MECHANICSVILLE 4NNE		42	44	40	36	44	46	51	47	52	60	55	44	50	61	61	41	42	42	34	53	60	46	26	27	26	26	35	37	49	68	72	45.7	700	
HASTINGS		24	33	26	21	21	29	30	25	29	30	31	36	41	40	35	35	31	26	34	27	19	11	11	10	12	19	19	26	40	49	27.3			
RIDGE 1N		45	42	38	45	43	50	49	52	61	54	50	47	58	61	43	44	44	39	54	60	48	33	29	28	26	37	38	48	64	71	61	47.1	2400	
ZYLA		41	32	30	28	31	38	34	35	39	40	38	41	42	43	38	36	32	30	33	40	33	18	14	17	16	23	24	32	46	45	31	32.9		
ROYAL OAK 2SSW		45	42	36	45	43	52	49	53	59	56	49	52	52	63	51	43	43	41	52	58	53	42	26	28	27	35	35	42	65	66	61	47.2	1700	
SWAINE		39	32	22	27	29	30	35	25	30	38	31	42	39	49	39	35	38	29	24	40	25	20	16	15	19	22	17	23	38	49	37	30.8		
SMITHSBURG 3WNW		40	33	37	39	41	45	40	50	45	49	45	56	58	51	39	37	42	35	55	53	39	23	23	25	21	31	35	38	67	68	55	42.3	2400	
HUTTO		32	23	14	31	29	28	23	21	23	36	35	39	39	38	33	32	34	25	30	29	23	12	8	14	14	18	18	27	38	42	27	26.9		
HAGERSTOWN 1E		39	33	36	39	40	45	40	49	48	49	44	56	57	53	39	38	42	36	56	53	38	22	23	24	19	30	34	42	67	69	55	42.4	2400	
KEEFER		32	24	15	31	28	28	23	22	23	34	35	39	41	38	32	32	35	26	28	30	22	12	9	13	13	17	17	29	39	41	27	26.9		
SMITHSBURG 3NE		40	32	36	38	40	43	40	48	52	51	45	58	58	57	39	41	42	36	54	52	39	24	22	24	21	31	36	46	68	68	58	43.1	2400	
VAUGHN		28	24	16	26	26	31	30	28	29	36	37	38	43	37	29	31	33	19	27	28	16	10	9	13	14	17	20	29	42	55	26	27.3		
SALISBURY 5ESE		48	43	38	45	47	53	53	57	66	55	57	63	61	67	47	47	46	40	52	60	48	32	29	28	27	36	39	49	72	75	67	49.9	2400	
†SBY WICOMICO ARPT		42	30	25	22	31	33	28	25	34	35	32	45	44	47	41	39	34	26	27	39	26	19	16	10	8	15	15	22	43	52	32	30.2		
CRYSTAL CITY 1SE	VA	45	40	38	46	46	52	49	53	54	57	46	51	55	63	42	43	46	40	54	62	47	32	28	29	25	37	38	46	69	72	66	47.5	2400	
†DCA - NATIONAL ARPT		38	30	30	27	31	34	34	30	34	43	38	43	43	42	37	37	40	31	33	38	32	19	15	19	19	24	27	33	41	52	32	33.1		
CHANTILLY 3N		43	38	39	44	45	51	45	53	50	55	45	54	57	59	40	41	44	38	56	58	48	29	26	27	22	33	39	46	70	72	59	46.0	2400	
†IAD - DULLES ARPT		28	28	21	22	28	27	24	23	26	37	31	41	43	40	35	34	37	29	29	35	29	16	9	13	12	22	20	31	35	56	29	28.7		
MARTINSBURG	WV	41	35	38	39	44	45	42	52	54	52	47	58	58	56	41	44	44	38	58	55	42	25	24	26	22	30	35	43	70	70	55	44.6	2400	
†MRB EAST-WV ARPT		35	24	16	32	31	27	24	20	24	35	35	40	41	38	34	33	36	25	28	29	25	13	11	14	10	15	19	30	41	42	27	27.5		
BAYARD		34	32	23	28	26	35	35	29	43	49	49	48	61	63	42	35	46	31	33	48	41	31	9	14	15	21	23	35	48	63	70	37.4	700	
NWS COOP		19	22	7	6	23	22	26	4	4	19	26	32	33	32	32	31	30	22	17	27	21	3	1	3	-2	3	16	15	28	35	26	18.8		
DAVIS 3SE		26	27	18	23	20	31	29	32	39	45	52	51	56	59	38	38	44	26	34	45	36	28	5	9	10	19	18	39	47	59	62	34.4	700	
LESHER		17	17	10	9	17	16	21	20	27	27	27	43</																						

ACON MD/DE/DC JANUARY 2013 DAILY PRECIPITATION & SNOWFALL (PAGE 1/2)

STATION	†NWS	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	TOTALS	OBS	
DOVER 1SE	DE											0.16			0.01	0.72	0.79	0.06	0.01			T			T	0.05			0.07	0.01	T	0.51	2.39	1600	
DE DOT																		T				T			0.2	1.5			0.3				2.0		
SANDTOWN												0.11	0.01		0.23	0.75	0.47	0.04									0.09		0.07			0.55	2.32	2400	
U of D REC DEOS																																	—		
MIDDLETOWN 6N						0.03						0.46		0.04	0.23	0.46	0.78										0.02		0.15		0.36	0.54	3.07	2400	
LEGATES																																	—		
NEW CASTLE 2WNW						0.04			T			0.69		0.03	0.21	0.42	0.82					0.07			T	0.04			0.12		0.71	0.55	3.70	2400	
†ILG - WILMINGTON						0.5																1.1			T	0.6			T				2.2		
SEAFORD 1W												0.08	0.01		0.14	0.58	0.30	0.42	T						0.04		0.09		0.13			0.27	2.06	2400	
LAMBERTON																		T	T						1.0		1.3						2.3		
GEORGETOWN 1E						T						0.10			0.18	0.52	0.77	0.53	0.06			T			0.09	0.05			T			0.50	2.80	2400	
†GED - SUSSEX CO ARPT																																	—		
REHOBOTH BEACH BW												0.15		0.01	0.14	0.69	0.53	0.61	0.14								0.05	0.01	0.09			0.27	2.69	2400	
U of D REC DEOS																																	—		
FROSTBURG #2	MD	T						T					0.31		0.07	0.24	0.65	0.02					0.02		0.07	T	0.21	0.01	0.19	0.18		1.12	3.09	700	
LATTA		0.1						T								0.8	0.4	T					0.7		1.2	T	3.3	0.7				T	7.2		
LaVALE		T										0.21			0.03	0.30	0.55								0.05	0.14	T		0.32		0.95	0.02	2.57	2400	
MULLINS															T		0.4								1.0	2.5	T		T			0.5	4.4		
PASADENA 2N						0.01						0.14		0.02	0.18	0.68	0.42								0.06		0.07		0.15	0.01	0.58	0.68	3.00	2400	
HANSON																									1.3	1.0							2.3		
LOTHIAN 2S																																	M	2400	
JUG BAY WETLANDS																																	—		
LAUREL 2E						0.02			T			0.08	T	0.02	0.14	0.74	0.51	T							0.07	0.09			0.17		0.98	0.47	3.29	2359	
STOUDT						T																			1.0	1.1			0.1				2.2		
HANOVER 1ESE					T	T			T			0.07		T	0.15	0.66	0.49	T				T			0.08	0.07	T		0.17		1.22	0.73	3.64	2400	
†BWI - BALTIMORE																						T			2.0	0.9	T		T				2.9		
REISTERSTOWN 1NW												0.23	T	0.02	0.03	0.48	0.92							T	0.04	0.07	0.02		0.17		1.87	1.93	5.78	2100	
MULLER																								T	0.6	1.0	0.4		T				2.0		
OWINGS MILLS 3SE						T			T			0.27	T	T	0.24	0.54	0.95		T			T			0.03	0.03	T		0.15		2.66	0.74	5.61	22-24'	
SHARROW						T													T			T			0.7	0.7	T		0.2			T	1.6		
BALTIMORE 2SE					T	T						0.17		0.01	0.21	0.54	0.52								0.06	0.06	T		0.15		1.43	0.62	3.77	2400	
MANFRE																									0.5	0.8	T		T				1.3		
BALT INNER HARBOR												0.17		0.01	0.19	0.56	0.58								0.03	0.06			0.14		1.51	0.65	3.90	2400	
†DMH - MD SCI CENTER																																	—		
MANCHESTER 1SW						T			0.01			0.20			0.15	0.47	0.88		T					T	0.02	0.10	T		0.12		2.26	1.26	5.47	2300	
CLOSE																		0.1						T	0.3	1.6	0.2		0.1				2.3		
WESTMINSTER 4SE						T			0.01			0.21		0.04	T	0.30	1.11		T			T			0.05	0.06	T		0.14		1.60	2.55	6.07	1800	
HARTSOCK						T													T			T			0.5	1.0	T		T			T	1.5		
MILLERS 4NE						0.01			0.01			0.30	0.02	0.01	0.01	0.32	1.15		T				T		T	0.12	0.01	T	0.13		0.55	2.68	5.32	1800	
MILLER						0.2													T				T		0.2	1.6	0.3	T	0.1			T	2.4		
BRYANS ROAD 2ESE		T									T		0.07		0.03	0.30	0.85	0.13							0.04	0.02	0.01	T	0.04	0.10	T	1.10	2.69	700	
BRUMBACK																									0.9	0.1	0.2	T	T	T			1.2		
EMITTSBURG 2SE											T		0.22	0.01	0.04	0.22	1.00	0.11							0.10		0.20		0.01	0.13		1.80	3.84	700	
GLASS																									1.0		2.0		T				3.0		
McHENRY 3SW		0.13					0.05			0.05		0.35			0.15	0.17	0.65	0.11				M		0.05		0.11	0.02	0.10	0.05	0.15	0.76		1.20	4.10	700
SINES DEEP CREEK		2.0					0.2									1.0	M								1.5	0.3	4.0	2.0				M	12.0		
DARLINGTON 1ENE											0.05		0.30		0.04	0.44	1.00	0.12						0.20				0.05	0.70		1.40		1.87	6.17	700
CONOWINGO DAM																							0.2				1.0	0.7					1.9		

ACON MD/DE/DC JANUARY 2013 DAILY PRECIPITATION & SNOWFALL (PAGE 2/2)

STATION	†NWS	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	TOTALS	OBS	
ABERDEEN 2S PHILLIPS ARMY AIR FLD	MD						T							>	>	0.33	0.42	0.99	0.10					T		T		0.08		T	0.13		1.25	3.30	700
NORBECK 1SE BERGER							0.01			0.01		0.09		0.02	0.07	0.62	0.66	0.02								0.05	0.07	T		0.14		1.10	1.11	3.97	2200
POTOMAC 4NNE COHEN							T			0.02		0.08		0.02	0.09	0.56	0.76									0.08		T		0.19		0.74	1.26	3.80	2100
OLNEY 1S GIANNOLA										0.01		0.05		T	>	>	1.39									0.06	0.08	T		0.17		>	2.47	4.23	2400
CLARKSBURG 2ENE HOLDEN							T			0.01		0.15		0.01	0.20	0.65	0.66							T	0.10	0.06	T		0.20		3.59	0.64	6.27	2400	
ROCKVILLE 2W McGINNIS							T	0.01		0.02		0.08	0.01	0.03	0.19	0.66	0.50	0.01								0.06	0.07	T		0.16		1.90	0.46	4.16	2400
GLENMONT 1NNE ROSSEN							T	T		T		0.06		0.01	0.14	0.67	0.44	T	T							0.05	0.06	T		0.15		1.51	0.59	3.68	2400
BETHESDA 3NW SCAFIDE										0.01		0.07		0.01	0.10	0.65	0.43	0.02								>	0.05	T		0.13		1.05	3.41	5.93	2400
GAITHERSBURG 2WNW SHAW							T			0.01		0.09	T	0.01	0.18	0.67	0.62	0.01								0.06	0.06	T		0.21		3.00	0.37	5.29	2400
FOREST GLEN TERRY							T	T		T		0.06		0.02	0.13	0.75	0.40	0.01						T	0.04	0.05	T		0.16		1.25	0.66	3.53	2400	
OXON HILL SMITH							0.01				0.01		0.05	T	0.02	0.46	0.77	0.15	T							0.04	T	0.02	T	0.07	0.12	T	0.89	2.61	700
HOLLYWOOD 3ENE GLEASON			0.01				T				T		0.05	T	0.01	0.44	0.90	0.44	0.55				T			0.20	T	0.02		0.01	0.13	0.01	0.68	3.45	700
MECHANICSVILLE 4NNE HASTINGS	0.01						T				T		0.06	T	0.02	0.35	1.00	0.28	0.19							0.15		0.04		0.02	0.11		0.80	3.03	700
RIDGE 1N ZYLA	0.01	0.02					0.01			T		0.03	0.03	0.02	0.41	1.08	0.43	1.07	0.05					0.01	0.23	0.09	0.05		0.18			0.51	4.23	2400	
ROYAL OAK 2SSW SWAINE	T									T		0.04	0.04		0.12	0.60	0.70	0.23	0.05				T			T	T	0.05		0.18			0.72	2.73	1700
SMITHSBURG 3WNW HUTTO											0.31	0.01			0.22	0.59	0.51		T							>	0.09	T	T	0.17		1.54	0.40	3.84	2400
HAGERSTOWN 1E KEEFER											0.24				0.21	0.52	0.53		T				T			0.02	0.11	T	T	0.23		1.34	0.40	3.60	2400
SMITHSBURG 3NE VAUGHN											0.29				0.25	0.42	0.51							0.02		0.15	0.04		0.10		1.49	0.48	3.75	2400	
SALISBURY 5ESE †SBY WICOMICO ARPT	T	T					T				0.09				0.25	0.76	0.36	0.87	0.07							0.04	0.14			0.10			0.32	3.00	2400
CRYSTAL CITY 1SE †DCA - NATIONAL ARPT						0.01	T			0.01		0.01		T	0.09	0.79	0.29	0.01						T	0.03	0.02	T		0.13		0.86	0.28	2.53	2400	
CHANTILLY 3N †IAD - DULLES ARPT			T				T			0.02		0.02		0.01	0.12	0.63	0.29	T						T	0.05	0.03	T		0.21		2.00	0.32	3.70	2400	
MARTINSBURG †MRB EAST-WV ARPT	WV										0.08				0.22	0.53	0.57					T		T	0.02	0.05	0.01		0.17		1.49	0.26	3.40	2400	
BAYARD NWS COOP		0.05	0.03	T	T			0.03	T		0.01		0.15	0.01	0.18	0.39	0.70	0.13	T	T				0.05	0.02	0.15	0.05	0.15	0.06	0.08	0.55		1.49	4.28	700
DAVIS 3SE LESHER		0.07	0.08				T	T			0.04		0.36		0.20	0.56	0.99	0.08						0.04	T	0.26	0.06	0.21	0.09	0.27	0.66	0.01	1.90	5.94	700
		1.4	1.1				T	T		0.8						0.3	T							0.7	T	5.2	1.1	2.5	3.1				1.8	18.0	