



VOLUME 2013

ISSUE FEBRUARY

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

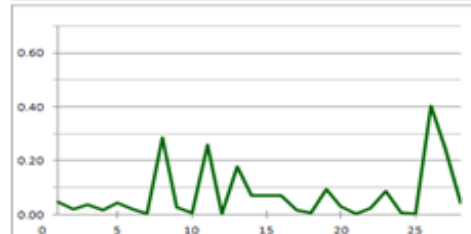
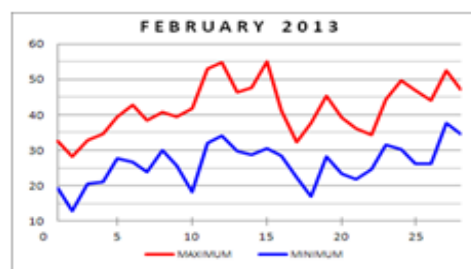
<http://www.jhuapl.edu/weather/education/ACONdata.html>

Temperatures Temperate yet Seasonal; Frequent Light Precipitation, Big Snows Only In Alleghenies

February 2013's mildest period (11th-15th) separated the slow moderation of the first 10 days from the overall seasonable, while-moderating, last two weeks. Following late January's pattern, the month began with temperatures once again see-sawing as an Alberta clipper's arctic frontal passage replaced record highs with low-20's across Delaware. All 48 sites recorded their monthly minimum on the 2nd, except **Steven Durst/Bayard, WV** whose lowest (-1°F) was on the 10th. 29 sites were held below 32°F on both the 1st and 2nd. Monthly max's occurred on the 11th at all mountain sites and a few maritime Coastal Plain locales before most (28) recorded their top reading on the 15th. Westminster, Wilmington and both Baltimore stations were warmest on the 27th. Excluding the mid-month warmth, the daily range in readings for the other 23 days averaged only 14.9°. Four mountain sites dropped to 32°F or below on all 28 observation days: **David Leshner/Davis 3SE, WV**, **Bayard, WV**, **Greg Latta/Frostburg #2**, and **Sines Deep Creek**. **Eric Glass/Emmitsburg 2SE**, hit freezing every observation day except the 28th. The warmest observation day minimum for these five stations occurred on the 12th. **Davis 3SE, WV** was also held below 32°F most days (15).

February 2013 was rather dry while maintaining January's pattern of only light snows east of Hancock, MD; another tandem of weak yet fluffy Alberta Clippers came in quick succession (#3: AM 1st, #4: PM 2nd); and Nor'easters (8th, 13th), despite coastal tracks, were primarily rain/mix-makers per limited cold air, with maximum rain focused on the coastal plain. Clipper #3 brought about 1" of snow, although a band of moderate snowfall occurred from the Bay Bridge east to Kent County, DE, highlighted by a report of 3.6" at Queenstown 3S (CoCoRaHS). This eastern shore, maritime site saw more snow in a few hours than **Greg Keefer/Hagerstown 1E** had during all of January and February. Clipper #4's reports were ~1" or

less, except for the Alleghenies whose 5-7" totals were courtesy upslope flow. In fact, the spine of the Appalachians saw an entirely different first week as snowfall totaled more than two feet during the 1st-7th and **Davis 3SE, WV** finished just shy of 36" after measuring snow on every day. Above-normal monthly rainfall totals were only found east of the Nanticoke River, where the 8th's Nor'easter was the difference: ~1-2" of rain Sussex County, DE and south, and ~0.50-1.00" west of the Nanticoke, making it the wettest event for the Delmarva sites. Mid-February was then persistently damp: weak cold-air damming generated a quick 0.15-0.40" pre-dawn on the 11th; secondly, two brief rain-to-snow events occurred on PM 13th (another coastal) and PM 15th (post - cold front cyclogenesis), both yielding ~0.33" or less precipitation for most sites, with the 13th's dropping a light coating of snow (T-2.5") west of the coastal plain, and the 15th's a small pocket of snow over Carroll



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

EXTREMES REPORTED BY ACON OBSERVERS

MAXIMUM TEMPERATURE		
Forest Glen	62	15
Glenmont 1NNE	62	15
MINIMUM TEMPERATURE		
Bayard, WV	-1	10
Davis 3SE, WV	-1	2
Frostburg #2	0	2
HIGHEST AVG. MAX TEMP		
Seaford 1W, DE	46.4	
Baltimore 2SE	45.9	
LOWEST AVG. MIN TEMP		
Davis 3SE, WV	14.8	
Bayard, WV	16.1	
MAXIMUM PRECIPITATION		
Davis 3SE, WV	4.61	
Bayard, WV	2.89	
Ridge 1N	2.62	
MINIMUM PRECIPITATION		
Smithsburg 3NE	1.28	
Smithsburg 3WNW	1.42	
MAXIMUM SNOWFALL		
Davis 3SE, WV	65.2	
Bayard, WV	44.7	
Frostburg #2	17.3	
MINIMUM SNOWFALL		
Seaford 1W, DE	T	
Ridge 1N	0.1	
Hollywood 3ENE	0.2	

Extremes do not include automated stations, or any new COOPs except Bayard, WV

County and vicinity (up to 3.5" at **Herb Close/Manchester 1SW**); thirdly, a warm sector, pre-frontal light mix-to-rain on the 19th totaled ~0.05-0.20" and ended as a thunderstorm in Smithsburg. During late February, more weak cold air damming on the 22nd promoted various light precipitation types and light icing above 450' thru the 23rd AM. Finally, the biggest rainfall event came on the 26th-27th, as a broad trough slowly brought a low up the I-95 corridor. A solid majority of stations

(Write-up continued...)

saw rather uniform totals of ~0.50-0.80"; highest amounts were Emmitsburg 2SE's 1.20" and Dan Hanson/Pasadena 2N's 0.97", the latter seeing 0.76" in four hours during the evening of the 26th; lowest totals (0.33-0.44") were immediately east of the Chesapeake Bay and in the Alleghenies.

The month finished with above normal snow in the Alleghenies -- Davis 3SE, WV and Bayard, WV having seen measureable snow on 19 and 15 days, respectively, and both sites seeing 4.9" or more on the 1st, 3rd, 4th, 5th and 17th observation days. Not to be outdone, Frostburg #2 measured snow on 14 days, but only measured more than 2.7" once (4.7" on the 5th). Bobby Miller/Millers 4NE epitomized the damp month reporting fog on 17 days and seeing precipitation on 23, with no two consecutive days without at least a trace; frozen precipitation here was nearly as ubiquitous (18 days), including 5 consecutive days with 0.1-0.8" to start the month.

February 2013 was consistently breezy and occasionally windy as the 13 human wind sites averaged 15 days with a peak daily gust above 20 MPH and 6 days with a peak gust above 30 MPH. Monthly peak wind gusts (PWG) for all stations (27 wind-reporting) occurred across 11 days. The windiest days were the 1st, 9th, 17th and 20th, each amid NW/NNW flow as either an Alberta Clipper (1st), post-frontal jet streak (20th) or coastal storm departing east into the Atlantic (rest). The 26th, however, saw four PWG's from the east as the month's best precipitation maker approached from the Carolinas. The middle 50% of PWG's was 32-43 MPH, and no severe gusts were reported. The top two gusts for the month were Jim Vaughn/Smithsburg 3NE's 56 MPH from the E (26th) and Roy Lamberton/Seaford 1W, DE's 53 MPH from the SSW (15th), Roy's occurring as a strengthening polar cold front & low pressure center crossed the region.

NEW & TIED RECORDS REPORTED for FEBRUARY 2013

PRECIPITATION

26TH - Kevin Shaw/Gaithersburg 2WNW - Greatest Daily 0.59" (old = 0.45, 1992)

26TH - JAD - Dulles Intl Arpt - Greatest Daily 0.71" (old = 0.51, 1992)

SNOWFALL

1ST - Kevin Shaw/Gaithersburg 2WNW - Greatest Daily 0.9" (old = T, 1992 & 1994)

Jim Vaughn/Smithsburg 3NE - Only the third month since 1953 with no new daily or monthly records

OBSERVER COMMENTS for FEBRUARY 2013

Dan Hanson/Pasadena 2N - [74 1-hour periods of measureable rain this month, see 11th and 26th below for further notes]

John Zyla/Ridge 1N - 28 furnace days, 0 air-conditioning days

1ST

DE DOT/Dover 1SE - Unexpected accumulation [3.0"], windy

Jeff Stoudt/Laurel 2E - Period of fluffy snow [23:1] mid morning

Marty Sharrow/Owings Mills 3SE - AM Snow (345-730, 800-915, 1020A), then windy, blwg snow & colder

Ralph Hartsock/Westminster 4SE - Snow early - windy and very cold - clearing; peak wind gust = 42 from WNW

Rich Giannola/Olney 1S - +SHSN 615-700A. SN totaled 1.1" (0.03" LWC). SHSN 800-830A = 0.1" (0.01" LWC) with gusty winds.

Rick Holden/Clarksburg 2ENE - Lt Snow/AM Min 22°/Aftn Max 26°; peak wind gust = 44 MPH from WNW at 908A

McGinnis/Rockville - Few flakes/S-- ~500-530A, then accumulating snow 605-705A, with ~0.6" from S/S+ 605-630A. SLR ~20:1

John Swaine III/Royal Oak 2SSW - Overnight: after midnight winds increased. @215A strong wind squall line crossed.

Today: awoke to 1.5" snow. Blowing snow. Becoming sunny w/clouds. Wind NW 15-20, gust 30. At Obs: depth = 0.75"

Greg Keefer/Hagerstown 1E - Peak wind gust = 40 MPH from W; %Sun = 50

2ND

Greg Latta/Frostburg #2 - Phil did not see his shadow! We will have an early spring!

Nate Mullins/LaVale - Snow squalls

Jeff Stoudt/Laurel 2E - Light snow mostly mid aftn to early eve

Rich Giannola/Olney 1S - Light flurries 1255P-145P. -SHSN 145P into evening, ending by ~900P = 0.4" SN (0.03" LWC)

McGinnis/R'ville - Temp falls 27°-25° in snow; S-- 1250-300P, then S-/S-- ~500-900P w/"bursts" 530-630P & 700-730P. SLR 25:1

3RD

Nate Mullins/LaVale – Overnight snow

Jeff Stoudt/Laurel 2E – Flurries at times, coating late eve

McGinnis/Rockville – Occ. S-/S- ~1200N-400P, except L- 300-330P ... then Occ. SW- ~515-1015P puts fluffy splatter on car tops

Brian Smith/Oxon Hill – Snow depth actually 0.5 inch but had to round up

4TH

Nate Mullins/LaVale – PM Snow

Rick Holden/Clarksburg 2ENE – Lt Snow; peak wind gust = 30 MPH from WNW

Kevin Shaw/Gaithersburg 2WNW – Sunny, a bit milder - high clouds most of the day - light snow just to W and N in the evening

John Zyla/Ridge 1N – Partly cloudy and cold, no snow observed today

Steven Durst/Bayard, WV – Very windy beginning 700P (Feb 23) through the evening and night

5TH

Greg Latta/Frostburg #2 – [Snow depth = 8"]

Sines Deep Creek Lake/McHenry 3SW – [Snow depth = 12"]

Rick Holden/Clarksburg 2ENE – Lt Snow/Lt Snow Pellets

Kevin Shaw/Gaithersburg 2WNW – Partly cloudy, a bit milder - cloudy evening - flurries around the area but not seen at station

Mac Hutto/Smithsburg 3WNW – Cloudy, periodic snow/sleet showers, not quite as cold

Steven Durst/Bayard, WV – [Snow depth = 12"]

6TH

Greg Latta/Frostburg #2 – [Snow depth = 8"]

Ralph Hartsock/Westminster 4SSE – Snow pellets early - sunny, cool

John Zyla/Ridge 1N – Mostly clear skies with Heavy Frost and light FOG in the AM

Steven Durst/Bayard, WV – Light flurries at ob time; snow depth = 12"

David Leshner/Davis 3SE, WV – [Snow depth = 16"]

7TH

Herb Close/Manchester 1SW – Snow depth = T; cloudy

John Zyla/Ridge 1N – Mostly clear skies with light frost in AM, cloudy by afternoon, rain from 1045P-MID.

Steven Durst/Bayard, WV – Very light almost misty snow fell early yesterday and then an almost fog hung over the day

8TH

Jeff Stoudt/Laurel 2E – Periods of rain predawn to mid afternoon

Bobby Miller/Millers 4NE – Fog; AM sleet lt glaze, aftn wet snow, solar 0.69 kw-hr/sq m

Rob Cohen/Potomac 4NNE – Rain, a bit of sleet 500A, windy evening

Rick Holden/Clarksburg 2ENE – Lt Snow/Lt Sleet/Lt Frz Rain/AM Min = 31°; peak wind gust = 40 MPH from NW

McGinnis/Rockville – R-/IP- by 300A, tapering off soon after dawn (0.18"), few drops ~200-400P and occ. R-/R- ~400-700P (T)

John Zyla/Ridge 1N – Cloudy, windy and rainy. Rain from MID-700A = 0.57", 700-1055A = 0.31", then clearing

John Swaine III/Royal Oak 2SSW – Cloudy. Wind NE becoming NW 12-15, gust 20 MPH

Mac Hutto/Smithsburg 3WNW – Cloudy, PM rain showers with some snow mixed in, very windy; peak wind gust = 31 ENE 1145P

Jim Vaughn/Smithsburg 3NE – Peak wind gust = 52 MPH from N at 1025P

9TH

DE DOT/Dover 1SE – Very windy

Marty Sharrow/Owings Mills 3SE – Sunny, very windy & cold

John Swaine III/Royal Oak 2SSW – Overnight: observed NO snow, w/NW gust 40-45. A few small tree branches down. Today: mostly sunny, wind NW 15-20, slowing by sunset

Greg Keefer/Hagerstown 1E – Peak wind gust = 40 MPH from NW; %Sun = 95 (month max)

Jim Vaughn/Smithsburg 3NE – Peak wind gust = 54 MPH from NNW at 225A

Steven Durst/Bayard, WV – Light drizzle and rain until 130P (Feb 8) then light snow, very windy afternoon and evening

10TH

Marty Sharrow/Owings Mills 3SE – Sun w/incr. aftn high clds & seasonable

Sandy Hastings/Mechanicsville 4NNE – Damaging Winds; clear, cold

11TH

Greg Latta/Frostburg #2 – Mushy snow on ground
Nate Mullins/LaVale – Mild, light rain
Dan Hanson/Pasadena 2N – [Heaviest rainfall period totaled 0.33" over 300-600A]
Marty Sharrow/Owings Mills 3SE – Overcast w/fog, very damp, not as cold; [Precip occurred] 210-720A
Eric Glass/Emmitsburg 2SE – Light rain, small amounts of icing, calm and cold
Rick Holden/Clarksburg 2ENE – Hvy Rain
Alexander McGinnis/Rockville 2W – R- B~100A, tapering to a few drops by 700A (0.32") ... L- ~400-410P (T)
John Zyla/Ridge 1N – Overcast with AM rain (450-700A = 0.08"), rain until 1100A (additional 0.02") then cloudy
Greg Keefer/Hagerstown 1E – Peak wind gust = 42 MPH from W; %Sun = 30

12TH

DE DOT/Dover 1SE – Daytime max = 51
Bobby Miller/Millers 4NE – Fog; yest eve froppa CLR late afternoon eve Ci, solar 2.88 kw-hr/sq m
Rick Holden/Clarksburg 2ENE – AM Min = 40
Greg Keefer/Hagerstown 1E – Peak wind gust = 42 MPH from W; %Sun = 80

13TH

Nate Mullins/LaVale – PM light snow
Jeff Stoudt/Laurel 2E – Lgt rain late aftn mixed w/ snow mid eve
Ralph Hartsock/Westminster 4SSE – Cloudy late - wet flakes 400P - snow late
Rob Cohen/Potomac 4NNE – Lt rain, then wet snow 700-1000P
Rick Holden/Clarksburg 2ENE – Mod Snow/Lt Snow Pellets
McGinnis/Rockville 2W – 0.24" 230-800P, 0.03" 800-1000P; R- 230-715P, then wet S 715-800P, S- 800-1002P, S--/L- 1002-1010P
Kevin Shaw/Gaithersburg 2WNW – Cloudy, colder as day progressed, 1700-1830 rain, 1830-2200 snow
John Zyla/Ridge 1N – Cloudy and overcast, no rain until 445-620P
Mac Hutto/Smithsburg 3WNW – Cloudy, PM rain changed to snow, decreasing temps, breezy

14TH

Marty Sharrow/Owings Mills 3SE – Fog; Very icy start, then sun & milder PM
Rick Holden/Clarksburg 2ENE – White Valentine's Day
Alexander McGinnis/Rockville 2W – Frosty start
Brian Smith/Oxon Hill – -RASN 800-1100P [of 13th]
John Swaine III/Royal Oak 2SSW – AM: Fog; Ice* on vehicles. Mostly sunny wind SSW 0-5.
[Ice on vehicles crystallized in a circular pattern-appearance similar to dry white wax swirl-pattern on a car]

15TH

Roy Lamberton/Seaford 1W – Peak wind gust = 53 MPH from SSW at 8:39P
Herb Close/Manchester 1SW – [Snow depth = 3"] (greatest this month east of Hancock)
Ralph Hartsock/Westminster 4SSE – Sun early - clouds late and milder, heavy snow 800P
Rick Holden/Clarksburg 2ENE – Lt Rain/Mod Snow
Alexander McGinnis/Rockville 2W – R- B~515P, oscillations of R-/wet S- based on intensity 930-1020P, wet S-/S-- 1020-1130P
Joe Terry/Forest Glen – Warmest day of the month (62°). However, strong cold FROPA late afternoon dropped temperatures rapidly during the evening allowing snow to mix in with the post-frontal rain very late.
Mac Hutto/Smithsburg 3WNW – Mostly cloudy, mild temps, PM rain & flurries, breezy

16TH

DE DOT/Dover 1SE – Daytime max = 40, drizzle
Marty Sharrow/Owings Mills 3SE – Early freezing fog, OVC and cold; [Precip occurred] 630-915A
Ralph Hartsock/Westminster 4SSE – heavy snow from 800P [15th] to early AM - flurries, partly cloudy to cloudy
Bobby Miller/Millers 4NE – Fog; clusters of flakes 1.5 in diameter yest eve, solar 1.83 kw-hr/sq m
Rick Holden/Clarksburg 2ENE – Lt Snow/AM Min = 30°
Kevin Shaw/Gaithersburg 2WNW – Cloudy, colder, occasional very light snow in the afternoon
John Zyla/Ridge 1N – Cloudy, overcast, rain off & on during the day (0.22"), then snow flurries from 530-630P = 0.1" (0.02")
John Swaine III/Royal Oak 2SSW – Cloudy. Rain begins @ 830A mixed w/occasional flurry. Wind SE 0-5. Becoming mostly cloudy

17TH

DE DOT/Dover 1SE – Very windy

Marty Sharrow/Owings Mills 3SE – Very cloudy, very windy, with a few snow shwrs (1245, 145-220P, 330-400P)

Bobby Miller/Millers 4NE – yest PM Max = 34° eve min = 27°, 17th PM Max = 27°, flurries

Rick Holden/Clarksburg 2ENE – Lt Snow/AM Min = 21°; peak wind gust = 40 MPH from WNW

John Swaine III/Royal Oak 2SSW – Partly cloudy, wind NW 15-20

Mac Hutto/Smithsburg 3WNW – Partly cloudy, cold, occasional snow flurries, very windy; peak gust = 30 MPH from NW

Jim Vaughn/Smithsburg 3NE – Peak wind gust = 50 MPH from NW at 423P

Steven Durst/Bayard, WV – Whiteout conditions between 500 and 700A.

David Leshner/Davis 3SE, WV – [Snow depth = 17"] (greatest within chapter this month)

18TH

Greg Keefer/Hagerstown 1E – %Sun = 95 (month max)

David Leshner/Davis 3SE, WV – [Snow depth = 17"] (greatest within chapter this month)

19TH

Jeff Stoudt/Laurel 2E – Ocnl lgt rain late morn to early eve was briefly mixed with sleet near start

Marty Sharrow/Owings Mills 3SE – Sleet; wintry mix to all rain (915A-230P, 430-600P), chilly

Rob Cohen/Potomac 4NNE – Brief snow & sleet to lt. rain

Rich Giannola/Olney 1S – RA during day, clearing in late afternoon

Alexander McGinnis/Rockville 2W – S-/S-- 850-905A, IP-/S-/(R-?) 905-920A, IP-/R- 920-940A, L-/occ. R-/RW- 940A-noon

John Zyla/Ridge 1N – Cloudy with rain in the afternoon from 1235-425P

Mac Hutto/Smithsburg 3WNW – AM wintry mix of rain/snow/sleet, PM t'storm, very mild temps, windy

20TH

DE DOT/Dover 1SE – Daytime max = 36°, windy

Marty Sharrow/Owings Mills 3SE – Very cloudy, very windy, colder w/snow flurries (610-645A, 900-945A, 1130A-100P)

Bobby Miller/Millers 4NE – AM max = 33°, flurries, solar = 2.74 kw-hr/sq m

Eric Glass/Emmitsburg 2SE – Partly sunny, very windy and cold

Rick Holden/Clarksburg 2ENE – Lt Snow/AM Min = 27°/Aftn Max = 34°; peak wind gust = 37 MPH from WNW

Alexander McGinnis/Rockville 2W – AM Min = ~28°, Day Max = 35°

John Zyla/Ridge 1N – Clear and cold with heavy frost in the morning

John Swaine III/Royal Oak 2SSW – Sunny. Wind NW 10-15, gust to 20 MPH.

Greg Keefer/Hagerstown 1E – Peak wind gust = 40 MPH from W

Steven Durst/Bayard, WV – Drizzle snow mix in the morning (Feb 19), very windy overnight and at ob time

21ST

Greg Latta/Frostburg #2 – Windy

Stan Rossen/Glenmont 1NNE – High overcast (moon visible)

Sandy Hastings/Mechanicsville 4NNE – Sun, windy

Steven Durst/Bayard, WV – Very windy

22ND

Jeff Stoudt/Laurel 2E – Very lgt snow early aftn, then ocnl lgt sleet eve

Marty Sharrow/Owings Mills 3SE – Overcast, cold, w/late day fr. rain/drizzle (1245-100P, 430-1100P)

Ralph Hartsock/Westminster 4SSE – Very light snow, sleet and freezing rain - Mostly cloudy

Rich Giannola/Olney 1S – -RA, -FZRA, -PL from afternoon into evening.

McGinnis/Rockville – SP-/IP-/SN- 1125A-1240P, R-/R-/(stray IP-?) > 1241P, but ZR--/ZL- on mailbox and wooden ramp per T = 32°

John Zyla/Ridge 1N – Cloudy all day, rain in the evening 440-600P

John Swaine III/Royal Oak 2SSW – Cloudy. Wind SE 0-5. Few mid-afternoon flurries

Mac Hutto/Smithsburg 3WNW – Cloudy, PM wintry mix, continued cold, breezy

23RD

Marty Sharrow/Owings Mills 3SE – OVC, AM fr. drizzle; drizzle early PM, E~145P

Jeff Stoudt/Laurel 2E – Ocnl lgt rain/drizzle

Ralph Hartsock/Westminster 4SSE – Freezing drizzle early, drizzle and cold - very foggy late

Bobby Miller/Millers 4NE – AM lt glaze to -ra, eve mist hvy fog, 600P VSB 1/8 mi

Alexander McGinnis/Rockville 2W – A little pre-dawn R-/ZL-; light evening fog

Brian Smith/Oxon Hill – -SN/-PL/-FZRA Feb 22

John Zyla/Ridge 1N – Overcast with light rain (215-700A = 0.08", 700-1135A = 0.10")

John Swaine III/Royal Oak 2SSW – Overnight: Off & on light rain began last evening. Today: cloudy, all day drizzle, wind NE 0-5

Mac Hutto/Smithsburg 3WNW – AM light fog, partial clearing, milder temps

24TH

Bobby Miller/Millers 4NE – AM hvy fog, PM sun, eve snow shwr, solar 3.56 kw-hr/sq m

Rick Holden/Clarksburg 2ENE – Lt Snow/AM Min 35

Rich Giannola/Olney 1S – First crocus bloomed

Alexander McGinnis/Rockville 2W – AM Min = ~37°; windy day follows light pre-dawn fog

John Zyla/Ridge 1N – Cloudy skies all day, foggy in the morning, drizzle all day

Jim Vaughn/Smithsburg 3NE – Peak wind gust = 50 MPH from NW 256P

25TH

Bobby Miller/Millers 4NE – 24th eve min = 28°, 25th CLR few Ci, solar 4.51 kw-hr/sq m

John Swaine III/Royal Oak 2SSW – Overnight: windy w/gust to 20 MPH. Today: mostly sunny, wind NW 5-10

Steven Durst/Bayard, WV – A surprise dusting of very light snow around 500-600P

26TH

Nate Mullins/LaVale – PM sleet/freezing rain/rain

Dan Hanson/Pasadena 2N – [Heaviest rainfall period totaled 0.76" over 700-1100P]

Jeff Stoudt/Laurel 2E – Periods of rain/drizzle PM, mostly eve

Marty Sharrow/Owings Mills 3SE – OVC w/sleet to windswept rain (falling 1145A-1200A); chilly

Ralph Hartsock/Westminster 4SSE – Rain after lunch, some sleet and flakes - windy later; peak wind gust 35 MPH from ESE

Rich Giannola/Olney 1S – RA began mid-day. Becoming windy with RA in early evening

Rick Holden/Clarksburg 2ENE – Mod Rain/Lt Sleet/Aftn Max = 39; peak wind gust = 37 MPH from E

Kevin Shaw/Gaithersburg 2WNW – Clear cold very early AM, clouding up by sunrise, occ rain aftern + eve. 0.66"/hr MRR @ 1904

John Zyla/Ridge 1N – Cloudy skies with light fog, rain from 220-940P

John Swaine III/Royal Oak 2SSW – Wind NE 10-15. Afternoon: Light rain off & on, @500P: sudden heavy rain w/strong wind

Mac Hutto/Smithsburg 3WNW – Cloudy, slightly colder, PM wintry mix, windy

27TH

Greg Latta/Frostburg #2 – Slushy crust. 1/8" glaze

Nate Mullins/LaVale – Overnight sleet/freezing rain/rain

Jeff Stoudt/Laurel 2E – Occasional light rain/drizzle till 730A

Rich Giannola/Olney 1S – RA ended in early morning

John Zyla/Ridge 1N – Dense fog early, then becoming partly cloudy

Steven Durst/Bayard, WV – Very light snow drizzle mix at ob time, snow fell after 500P and after the temps went above 33°

28TH

Joe Manfre/Baltimore 2SE – Cloudy, mild, breezy, light rain in early AM

Rick Holden/Clarksburg 2ENE – Lt Rain/Lt Snow

Alexander McGinnis/Rockville 2W – Few drops 1235-111P, SnPl-/R- B 111~200P

John Zyla/Ridge 1N – Cloudy skies with AM rain, 525-700A = 0.03", 700-1000A = 0.03", then becoming partly cloudy

Mac Hutto/Smithsburg 3WNW – Partly cloudy, mild temps, occasional snow flurries, windy

Ray Muller/Reisterstown 1NW – Below normal rainfall, snowfall and temperatures

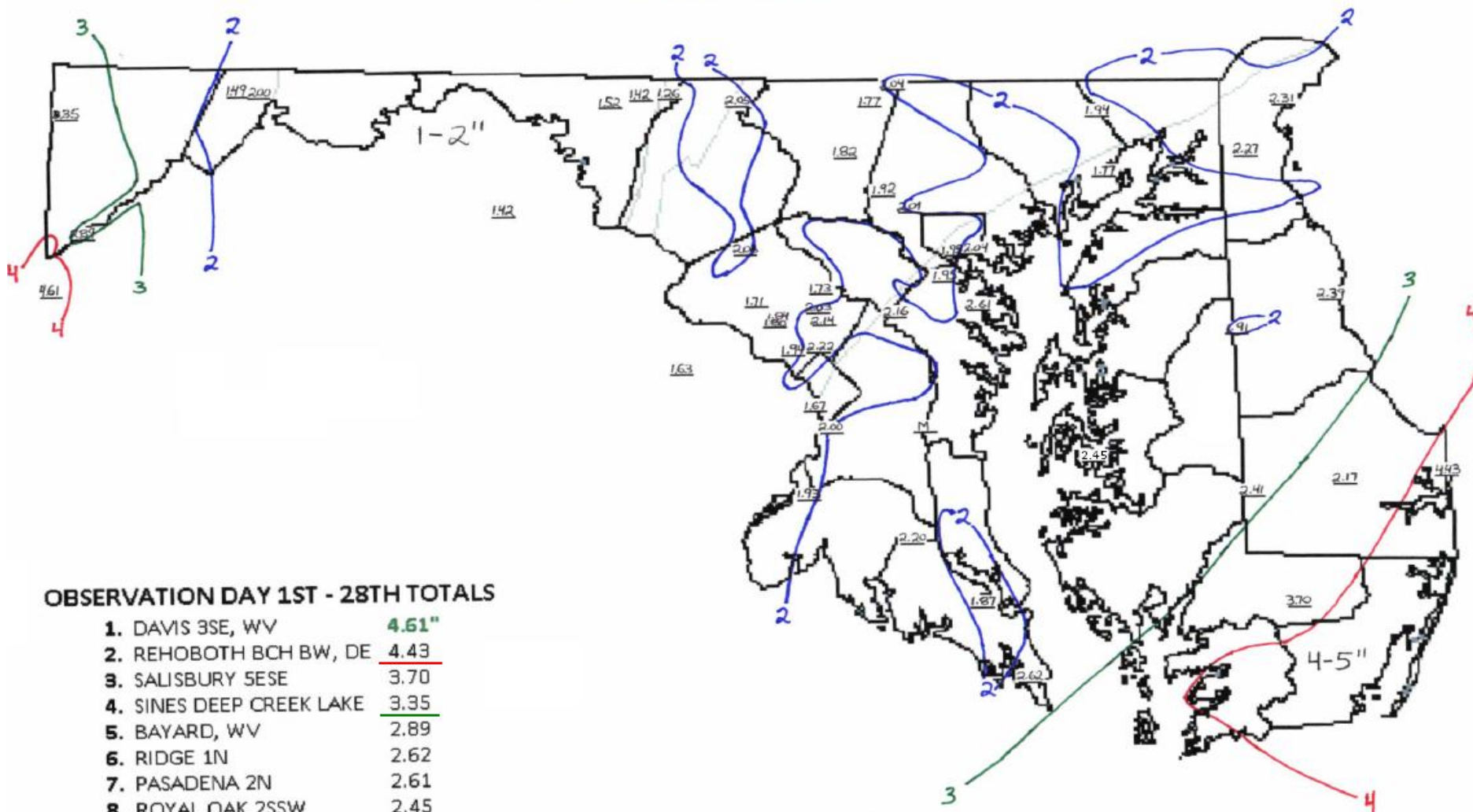
Rob Cohen/Potomac 4NNE – The month averaged a negligible 0.1° below normal. Rain & snow were well below average

Joe Terry/Forest Glen – Average Max T was 3° above normal but the average Min T was normal. Precip & snowfall below normal

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

ACON MD/DE/DC CHAPTER

FEBRUARY 2013 PRECIPITATION



OBSERVATION DAY 1ST - 28TH TOTALS

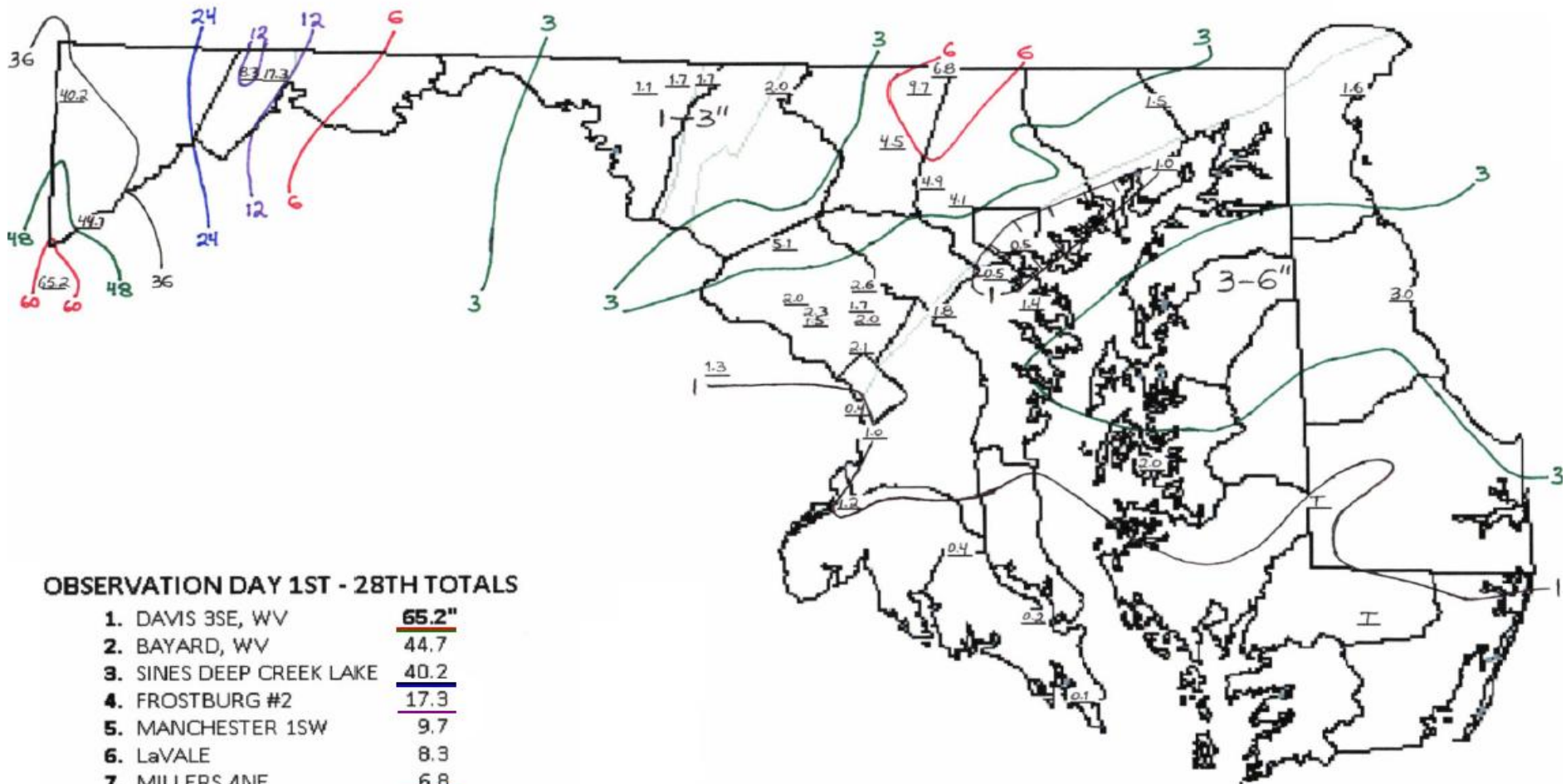
1. DAVIS 3SE, WV	<u>4.61"</u>
2. REHOBOTH BCH BW, DE	<u>4.43</u>
3. SALISBURY SESE	3.70
4. SINES DEEP CREEK LAKE	<u>3.35</u>
5. BAYARD, WV	2.89
6. RIDGE 1N	2.62
7. PASADENA 2N	2.61
8. ROYAL OAK 2SSW	2.45
9. SEAFORD 1W, DE	2.41
10. DOVER 1SE, DE	2.39

Contour placement refined by credible data from over 100 CoCoRaHS observers

McGINNIS 7/25/2013

ACON MD/DE/DC CHAPTER

FEBRUARY 2013 SLEET & SNOWFALL



OBSERVATION DAY 1ST - 28TH TOTALS

1. DAVIS 3SE, WV	<u>65.2"</u>
2. BAYARD, WV	44.7
3. SINES DEEP CREEK LAKE	<u>40.2</u>
4. FROSTBURG #2	<u>17.3</u>
5. MANCHESTER 1SW	9.7
6. LaVALE	8.3
7. MILLERS 4NE	<u>6.8</u>
8. CLARKSBURG 2ENE	5.1
9. REISTERSTOWN 1NW	4.9
10. WESTMINSTER 4SSE	4.5
11. OWINGS MILLS 3SE	4.1

Contour placement refined by credible data from over 100 CoCoRaHS observers

McGINNIS 7/25/2013

ACON MD/DE/DC FEBRUARY 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	44.1	27.8	35.9	60 15	12 2	0	1	21				2.39	0.76	27	9	0	4.78	3.0	3.0	1	5.0	1600
U of D REC DEOS*	Sandtown	42.7	27.5	35.1	58 15	11 2	0	2	21	27		9	1.91	0.50	26	13	0	4.23					2400
NEW CASTLE, DE																							
Legates, David	Middletown 6N	42.1	26.7	34.4	58 15	15 2	0	2	23	35		9	2.27	0.54	26	14	0	5.34					2400
ILG - Wilmington	†New Castle 2WNW	42.0	27.1	34.5	56 27	16 2	0	3	23	43	WNW	1, 9, 17	2.31	0.53	11	13	0	6.01	1.6	0.5	3	4.2	2400
SUSSEX, DE																							
Lamberton, Roy	Seaford 1W	46.4	28.4	37.3	62 15	14 2	0	0	21	53		15	2.41	0.84	8	15	0	4.47	T	T	1	2.3	2400
GED - Sussex Co Arpt	†Georgetown 1E	45.4	29.7	37.6	59 15	16 2	0	1	18	28	E	26	2.17	0.56	26	11	0	4.97					2400
U of D REC DEOS*	Rehoboth Beach BW	43.9	30.5	37.2	59 11	17 2	0	1	16	33		27	4.43	2.10	8	14	1	7.12					2400
ALLEGANY, MD																							
Latta, Greg	Frostburg #2	33.1	17.6	25.4	56 12	0 2	0	14	28				2.00	0.91	27	15	0	5.09	17.3	4.7	5	52.5	700
Mullins, Nate**	LaVale	37.5	24.8	31.1	59 11	8 2	0	6	24				1.49	0.54	27	11	0	4.06	8.3	3.5	4	27.2	2400
ANNE ARUNDEL, MD																							
Hanson, Dan	Pasadena 2N	42.7	27.5	35.1	59 15	14 2	0	2	21	34	W	1	2.61	0.90	26	14	0	5.61	1.4	1.2	1	4.5	2400
Jug Bay Wetlands	Lothian 2S	DAILY DATA STOPPED DUE TO WEATHER STATION FAILURE										DATA WILL RESUME ONCE REPLACEMENT IS PUT INTO OPERATION ON 1 APRIL 2013											2400
Stoudt, Jeff	Laurel 2E	42.8	28.2	35.5	59 15	17 2	0	2	22				2.16	0.60	26	13	0	5.45	1.8	0.7	1, 2	5.1	2359
BWI - Baltimore	†Hanover 1ESE	42.4	27.6	39.0	59 15	17 2	0	3	23	35	NW	9	1.95	0.49	26	13	0	5.59	0.5	0.3	2	4.8	2400
BALTIMORE, MD																							
Muller, Ray	Reisterstown 1NW	40.3	26.5	33.4	52 12, 1	14 2	0	2	24	35	WNW	17,19,20	1.92	0.43	26	11	0	7.70	4.9	1.6	15	6.9	2100
Sharrow, Marty	Owings Mills 3SE	40.2	26.3	33.3	57 15	14 2	0	4	14				2.01	0.67	26	13	0	7.62	4.1	1.7	13	10.1	22-24'
CITY of BALTIMORE, MD																							
Manfre, Joe	Baltimore 2SE	45.9	33.3	39.6	61 27	20 2	0	0	11				2.04	0.60	26	13	0	5.81	0.5	0.3	2	1.7	2400
DMH - MD Sci Center	†Balt Inner Harbor	45.6	33.7	39.7	60 27	21 2	0	0	10				1.95	0.57	26	14	0	5.85					2400
CARROLL, MD																							
Close Jr., Herb	Manchester 1SW	38.2	24.1	31.1	55 15	11 2	0	7	26	44		26	1.77	0.44	26	13	0	7.24	9.7	3.3	15	21.7	2300
Hartsock, Ralph	Westminster 4SSE	40.2	26.4	33.3	54 27	14 2	0	4	25	45	WNW	20	1.82	0.54	27	10	0	7.89	4.5	1.6	16	13.4	1800
Miller, Bobby	Millers 4NE	38.9	25.1	32.0	54 15	9 2	0	6	24	39	NW(9)	4, 9	2.04	0.50	27	14	0	7.36	6.8	2.2	16	18.7	1800
CHARLES, MD																							
Brumback, Marty	Bryans Road 2ESE	44.5	29.2	36.9	61 15	16 2	0	0	17	35		8	1.93	0.65	27	15	0	4.62	1.2	0.7	1	2.8	700
FREDERICK, MD																							
Glass, Eric	Emmitsburg 2SE	40.3	23.6	31.9	55 12	15 2	0	3	27				2.05	1.20	27	8	1	5.89	2.0	1.0	14, 20	9.0	700
GARRETT, MD																							
Sines Deep Creek Lake	McHenry 3SW	33.1	17.2	25.1	55 12	1 2	0	13	28				3.35	0.50	3,27	16	0	7.45	40.2	7.0	3, 4	95.0	700
HARFORD, MD																							
Conowingo Dam	Darlington 1ENE	TEMPERATURE DATA NEVER REPORTED FOR FEBRUARY 2013											1.94	0.35	26	13	0	8.11	1.5	1.0	2	4.4	700
Phillips Army Air Field	Aberdeen 2S	41.2	26.1	33.7	58 16	14 2	0	3	25				1.77	0.56	27	13	0	5.07	1.0	0.5	2, 3	3.4	700
MONTGOMERY, MD																							
Berger, Ron	Norbeck 1SE	41.9	27.4	34.7	58 15	13 2	0	4	23				2.03	0.57	26	14	0	6.00	1.7	0.8	1	5.1	2200
Cohen, Rob	Potomac 4NNE	42.5	28.5	35.5	58 15	16 2	0	3	23				1.80	0.51	26	11	0	5.60	1.5	0.7	1	4.3	2100
Giannola, Rich	Olney 1S	41.9	27.2	34.5	58 15	14 2	0	5	23				1.73	M	26	11	0	5.96	2.6	1.2	1	6.2	2400
Holden, Rick	Clarksburg 2ENE	40.3	26.2	33.3	56 15	13 2	0	5	23	44	NW	1	2.06	0.62	26	14	0	8.33	5.1	1.8	13	14.5	2400

<u>COUNTY, STATE</u>		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
<u>MONTGOMERY, MD (CON'T)</u>																									
McGinnis, Alexander	Rockville 2W	42.0	27.5	34.7	61	15	15	2	0	3	22				1.84	0.59	26	13	0	6.00	2.3	0.8	1, 13	6.6	2400
Rossen, Stan	Glenmont 1NNE	43.6	27.4	35.5	62	15	16	2	0	2	23	24		26	2.14	0.77	26	12	0	5.82	2.0	0.9	1	5.1	2400
Scafide, Tony	Bethesda 3NW	42.5	28.5	31.8	59	15	15	2	0	3	21	24		1,9,17,20	1.94	0.71	26	13	0	7.87					2400
Shaw, Kevin	Gaithersburg 2WNW	42.5	28.2	35.4	57	15	16	2	0	3	21	27	N	9	1.71	0.59	26	12	0	7.00	2.0	0.9	1	7.9	2400
Terry, Joe	Forest Glen	44.7	28.6	36.6	62	15	16	2	0	2	21	38	WNW	17	2.22	0.82	26	14	0	5.75	2.1	0.8	1, 2	5.3	2400
<u>PRINCE GEORGE'S, MD</u>																									
Smith, Brian	Oxon Hill	44.0	27.6	35.8	61	16	16	2	0	2	23				2.00	0.62	27	13	0	4.61	1.0	0.6	2	3.0	700
<u>ST. MARY'S, MD</u>																									
Gleason, Wes	Hollywood 3ENE	44.6	31.4	38.0	59	11	20	2	0	0	16	38	NW	9	1.87	0.70	27	13	0	5.32	0.2	0.2	1	4.5	24T/7P
Hastings, Sandy	Mechanicsville 4NNE	44.7	25.8	35.2	60	16	15	2	0	1	24				2.20	0.74	27	12	0	5.23	0.4	0.2	1, 3	3.1	700
Zyla, John	Ridge 1N	44.9	31.3	38.1	59	11	18	2	0	0	14	25	NE	24	2.62	0.88	26	12	0	6.85	0.1	0.1	16	8.4	2400
<u>TALBOT, MD</u>																									
Swaine III, John	Royal Oak 2SSW	43.9	29.8	36.9	60	15	18	2	0	2	20				2.45	0.56	8	15	0	5.18	2.0	1.5	1	3.1	1700
<u>WASHINGTON, MD</u>																									
Hutto, Mac	Smithsburg 3WNW	40.0	24.8	32.4	59	11	12	2	0	3	24	32		9	1.42	0.76	26	11	0	5.26	1.7	1.0	13	15.2	2400
Keefer, Greg	Hagerstown 1E	39.9	25.1	32.5	60	11	12	2	0	5	25	44	NW	8	1.52	0.70	26	11	0	5.12	1.1	0.6	13	10.5	2400
Vaughn, Jim	Smithsburg 3NE	40.0	25.8	32.9	58	11	13	2	0	4	23	56	E	26	1.26	0.56	26	13	0	5.01	1.7	0.8	13	12.2	2400
<u>WICOMICO, MD</u>																									
SBY - Wicomico Arpt	†Salisbury 5ESE	47.4	31.1	39.3	61	15	18	2	0	0	18	32	NNW	9	3.70	1.73	8	11	1	6.70	T	T	1,9,17	2.8	2400
<u>ARLINGTON, VA</u>																									
DCA - National Arpt	†Crystal City 1SE	45.1	31.6	38.3	60	15	18	2	0	0	16	35	NNW	9	1.67	0.62	26	13	0	4.20	0.4	0.2	1, 2	1.5	2400
<u>LOUDOUN, VA</u>																									
IAD - Dulles Intl Arpt	†Chantilly 3N	43.2	27.4	35.3	58	11,15	13	2	0	3	22	41	WNW	9	1.63	0.71	26	12	0	5.33	1.3	0.6	1	5.3	2400
<u>BERKELEY, WV</u>																									
MRB - East-WV Arpt	†Martinsburg 4SSW	42.4	25.7	34.0	66	11	11	2	0	4	23	43	W	20	1.42	0.86	26	10							

NO WEST VIRGINIA DATA INCLUDED

48 SITES: 10 AUTOMATED, 12 COOP

† NWS/FAA Station

M OR <u>UNDR</u> LNE	= MISSING DATA
ITALIC	= ESTIMATED DATA
>	= INCLUDED IN NEXT DAYS' DATA (*)
+	= ADDITIONAL OCCURRENCES (SEE DAILY DATA)

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.

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

Accuracy of Data from ACON Observers not guaranteed.

9 JANUARY 2014

ACON MD/DE/DC FEBRUARY 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				AVG	OBS	
DOVER 1SE	DE	35	30	38	33	40	43	38	42	39	36	56	56	49	48	60	55	33	39	49	46	38	22	23	46	50	48	44	56	51				44.1	1600
DE DOT		25	12	23	24	27	28	21	33	25	17	32	36	27	31	33	30	25	20	29	30	21	25	34	39	28	25	40	38				27.8		
SANDTOWN		31	30	35	33	41	43	38	42	37	42	56	53	47	47	58	40	33	37	47	39	37	36	46	51	46	47	55	48				42.7	2400	
U of D REC DEOS		20	11	22	24	29	25	22	35	24	17	35	34	31	30	30	31	25	21	32	26	23	26	35	33	27	26	42	36				27.5		
MIDDLETOWN 6N		31	30	35	33	37	42	39	40	37	43	51	50	44	48	58	41	33	39	46	38	37	37	46	49	48	45	55	47				42.1	2400	
LEGAS		21	15	24	22	30	24	22	34	27	17	34	30	24	28	27	32	24	20	26	26	23	27	34	32	28	26	40	33				26.7		
NEW CASTLE 2WNW		32	30	35	32	35	42	39	40	37	39	51	50	45	47	55	41	34	39	46	37	37	36	47	50	49	46	56	48				42.0	2400	
†ILG - WILMINGTON		21	16	25	20	30	24	22	34	26	18	35	31	25	31	26	32	23	20	27	25	24	26	35	32	29	26	40	36				27.1		
SEAFORD 1W		34	33	40	34	50	49	42	45	42	49	58	58	48	51	62	41	37	41	50	41	41	38	52	56	49	53	59	50				46.4	2400	
LAMBERTON		21	14	25	24	31	26	23	36	26	19	36	36	34	32	30	31	25	21	32	25	23	27	36	32	27	26	44	36				28.4		
GEORGETOWN 1E		33	32	37	35	49	46	42	47	39	45	59	54	47	49	59	43	34	39	53	42	38	38	52	53	46	54	58	49				45.4	2400	
†GED - SUSSEX CO ARPT		22	16	27	27	32	26	23	37	29	23	38	33	34	33	32	32	26	22	33	27	23	29	38	35	28	26	42	39				29.7		
REHOBOTH BEACH BW		36	31	36	36	47	43	42	44	37	40	59	55	42	42	52	42	34	40	53	41	37	38	49	51	41	47	57	47				43.5	2400	
U of D REC DEOS		22	17	28	25	36	31	32	36	28	26	40	38	35	35	36	29	25	22	34	27	23	29	38	35	30	30	43	38				30.9		
FROSTBURG #2	MD	27	13	24	27	31	35	28	32	36	28	38	56	44	38	41	42	28	19	41	42	21	24	26	43	33	40	32	38				33.1	700	
LATTA		11	0	1	14	14	25	16	20	18	13	16	31	27	25	25	22	13	8	8	16	14	14	20	26	20	21	27	28				17.6		
LaVALE		26	27	29	34	35	35	35	36	33	36	59	46	42	44	48	33	25	40	53	29	28	33	48	41	46	37	36	37				37.5	2400	
MULLINS		15	8	20	19	28	30	19	28	25	17	34	33	27	31	29	25	17	18	25	20	18	24	30	31	28	27	33	34				24.8		
PASADENA 2N		31	32	35	36	37	44	39	41	39	43	54	55	45	48	59	37	33	40	45	39	38	34	45	52	48	43	56	49				42.7	2400	
HANSON		20	14	21	21	28	27	23	33	25	19	36	34	28	28	32	33	24	19	33	25	22	28	32	32	27	26	41	38				27.5		
LOTHIAN 2S		DAILY DATA STOPPED DUE TO WEATHER STATION FAILURE																														M			
JUG BAY WETLANDS		DATA WILL RESUME ONCE REPLACEMENT IS PUT INTO OPERATION ON 1 APRIL 2013																														M			
LAUREL 2E		30	29	34	36	39	44	38	41	39	47	52	57	46	49	59	38	33	43	44	37	39	35	46	50	49	43	53	47				42.8	2359	
STOUDT		19	17	21	23	28	28	25	34	28	20	36	36	29	32	32	33	23	20	29	25	23	29	32	32	28	28	41	39				28.2		
HANOVER 1ESE		31	29	34	35	38	44	38	42	40	43	54	54	44	49	59	37	32	40	45	38	38	33	46	50	48	43	56	47				42.4	2400	
†BWI - BALTIMORE		20	17	20	21	29	28	24	33	27	18	36	37	31	30	29	32	24	20	26	24	23	28	32	31	27	26	40	39				27.6		
REISTERSTOWN 1NW		37	26	33	34	35	41	36	39	38	43	50	52	44	45	52	38	30	38	38	34	34	35	45	48	47	41	51	43				40.3	2100	
MULLER		17	14	21	20	28	29	27	28	24	20	34	34	27	30	32	27	22	17	31	23	21	26	31	26	27	29	40	37				26.5		
OWINGS MILLS 2SE		28	28	33	35	39	42	35	39	37	41	48	51	42	47	57	34	30	41	41	35	36	31	44	46	48	40	53	44				40.2	22-24'	
SHARROW		16	14	17	27	28	26	22	32	24	19	33	34	26	30	30	32	21	17	28	23	21	26	30	30	29	26	38	38				26.3		
BALTIMORE 2SE		35	33	38	39	41	45	41	44	41	44	56	57	48	54	58	40	39	45	49	42	41	39	51	53	51	46	61	53				45.9	2400	
MANFRE		24	20	29	26	35	37	33	39	31	29	38	42	37	36	38	34	28	24	35	25	27	32	37	36	35	36	45	44				33.3		
BALT INNER HARBOR		36	33	37	40	41	46	41	46	42	44	56	56	48	52	58	41	37	44	48	42	40	37	50	53	51	46	60	52				45.6	2400	
†DMH - MD SCI CENTER		24	21	29	27	35	37	33	37	32	30	39	42	37	36	38	37	28	24	36	28	27	33	36	37	35	37	45	44				33.7		
MANCHESTER 1SW		26	24	31	32	33	38	33	36	34	41	50	48	40	44	55	33	29	36	40	32	34	31	45	45	45	38	51	45				38.2	2300	
CLOSE		14	11	20	17	26	25	23	29	21	19	32	30	28	26	30	26	18	14	28	20	18	23	28	27	24	29	36	33				24.1		
WESTMINSTER 4SSE		29	25	32	33	38	42	38	40	34	42	51	48	47	45	53	38	32	37	44	33	34	33	43	46	46	41	54	47				40.2	1800	
HARTSOCK		20	14	21	19	28	27	24	32	24	19	31	39	27	29	29	30	21	16	26	26	26	26	29	35	26	27	37	32				26.4		
MILLERS 4NE		30	23	30	32	34	37	34	37	35	42	47	51	41	45	54	40	30	37	40	39	33	31	43	44	45	38	51	45				38.9	1800	
MILLER		20	9	20	17	27	24	21	30	23	17	32	37	23	27	29	30	20	15	29	24	19	23	29	33	25	27	37	35				25.1		
BRYANS ROAD 2ENE		34	33	33	37	46	49	41	42	42	44	55	58	48	50	61	39	33	44	45	41	40	34	44	54	46	46	58	49				44.5	2359	
BRUMBACK		20	16	22	24	32	29	26	33	30	24	37	38	35	31	33	31	24	20	36	25	24	29	32	33	27	28	40	39				29.2		
EMITTSBURG 2SE		42	42	24	31	34	35	38	36	38	38	44	55	49	41	47	54	37	31	39	44	33	36	33	44	46	45	40	51				40.3	700	
GLASS		25	15	15	21	20	24	22	23	25	16	16	32	24	24	28	30	22	18	18	27	23	23	26	31	27	24	25	36				23.6		
McHENRY 3SW		27	12	24	26	31	34	28	36	36	28	42	55	43	41	37	37	26	17	42	40	21	26	29	48	31	39	34	37				35.2	700	
SINES DEEP CREEK		12	1	2	15	16	26	15	19	20	4	5	32	24	26	26	22	13	2	2	17	14	15	24	28	21	23	29	28				19.2		
DARLINGTON 1ENE		TEMPERATURE DATA NEVER REPORTED FOR FEBRUARY 2013																														M			
CONOWINGO DAM																																M		700	

ACON MD/DE/DC FEBRUARY 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				AVG	OBS	
ABERDEEN 2S	MD	46	29	27	33	34	36	41	39	41	37	42	49	52	43	47	58	37	32	38	43	33	38	36	45	49	48	45	56				41.2	700	
PHILLIPS ARMY AIR FLD		28	14	14	22	23	27	23	29	27	20	21	35	26	28	30	30	26	19	19	31	22	24	28	36	28	29	30	42				26.1		
NORBECK 1SE		29	27	32	36	39	44	37	40	39	44	52	55	46	48	58	37	32	41	44	39	37	33	46	50	48	42	54	45				41.9	2200	
BERGER		18	13	21	22	27	30	23	32	27	18	34	40	28	32	32	32	24	19	33	24	22	27	31	32	24	26	38	38				27.4		
POTOMAC 4NNE		30	28	33	36	41	45	37	40	41	46	52	56	47	48	58	39	32	43	45	38	38	35	46	50	48	42	53	44				42.5	2100	
COHEN		21	16	23	23	29	31	25	32	31	20	37	41	30	31	29	32	24	19	32	26	22	28	32	34	26	27	40	38				28.5		
OLNEY 1S		29	27	32	35	38	42	36	38	39	44	52	55	45	48	58	M	M	M	M	43	36	37	32	45	51	46	40	55	45				41.9	2400
GIANNOLA		17	14	21	22	29	31	24	32	25	19	34	40	28	31	M	M	M	18	34	23	22	27	30	32	23	28	38	37				27.2		
CLARKSBURG 2ENE		28	26	32	35	36	41	37	38	38	44	54	53	43	46	56	34	30	40	42	35	36	31	42	48	45	40	54	45				40.3	2400	
HOLDEN		15	13	20	21	29	28	26	31	25	22	33	35	28	29	31	27	20	17	33	22	21	26	29	28	24	30	36	35				26.2		
ROCKVILLE 2W		30	28	33	35	40	44	37	39	39	45	52	55	45	49	61	38	31	41	43	35	37	33	45	49	48	42	54	47				42.0	2400	
McGINNIS		17	15	24	22	29	30	26	32	27	21	35	39	31	31	31	28	22	18	33	22	21	27	31	30	25	29	37	37				27.5		
GLENMONT 1NNE		31	29	34	38	39	46	38	40	41	47	52	58	47	51	62	38	33	45	44	39	39	34	46	53	49	44	57	47				43.6	2400	
ROSSEN		18	16	22	22	28	28	25	33	25	19	35	36	28	30	29	31	24	19	29	24	22	29	32	32	25	27	40	38				27.4		
BETHESDA 3NW		31	29	33	36	40	44	39	40	39	43	53	56	46	47	59	37	32	42	44	37	38	33	50	52	48	43	55	46				42.5	2400	
SCAFIDE		19	15	24	23	31	30	26	33	28	22	37	39	31	31	33	30	23	19	35	24	22	28	32	31	25	30	39	38				28.5		
GAITHERSBURG 2WNW		31	29	34	37	40	44	39	40	40	45	53	56	46	49	57	37	32	42	44	37	39	34	45	50	47	42	55	46				42.5	2400	
SHAW		19	16	24	24	30	30	26	33	27	20	37	37	30	31	31	30	24	20	33	25	23	28	32	31	27	28	38	37				28.2		
FOREST GLEN		32	30	34	37	41	49	39	42	43	46	53	59	49	52	62	41	36	45	44	40	42	34	47	54	50	43	59	49				44.7	2400	
TERRY		19	16	22	23	30	30	26	33	26	21	37	39	33	31	32	30	23	19	36	25	22	28	32	32	26	30	40	39				28.6		
OXON HILL		46	30	32	34	36	42	47	40	42	42	46	53	58	47	51	61	39	33	43	44	39	40	35	45	53	49	47	57				44.0	700	
SMITH		27	16	16	24	25	30	26	29	29	21	21	38	34	31	32	34	26	21	21	31	24	26	30	32	28	29	33	40				27.6		
HOLLYWOOD 3ENE		37	34	36	39	46	49	41	44	41	40	59	56	45	49	53	42	34	42	48	42	40	35	44	53	46	50	57	47				44.6	2400	
GLEASON		24	20	27	27	32	29	28	36	31	25	40	36	37	34	33	34	27	23	37	29	27	31	35	36	30	29	43	39				31.4		
MECHANICSVILLE 4NNE		50	50	33	34	38	45	49	40	43	42	44	56	56	45	50	60	38	29	40	45	42	40	34	44	54	46	47	57				44.7	700	
HASTINGS		28	15	17	21	21	27	24	24	30	19	19	34	34	29	30	34	26	19	19	26	23	23	30	32	26	26	27	38				25.8		
RIDGE 1N		37	34	37	39	48	48	41	44	44	41	59	55	45	48	54	41	35	43	49	43	42	36	44	54	44	51	58	47				44.9	2400	
ZYLA		22	18	28	26	33	30	31	37	30	26	40	40	36	34	37	33	25	22	36	28	25	31	35	34	30	32	44	38				31.3		
ROYAL OAK 2SSW		37	30	35	35	43	46	41	43	41	42	55	57	51	48	60	51	35	39	47	47	39	35	45	50	48	40	55	49				44.4	1700	
SWAINE		25	18	20	25	30	28	24	35	29	20	35	39	35	31	30	35	27	23	32	32	24	29	32	40	30	26	42	38				29.8		
SMITHSBURG 3WNW		28	26	33	35	39	39	37	38	35	44	58	50	43	50	51	35	27	40	44	33	33	32	46	43	48	40	51	43				40.0	2400	
HUTTO		15	13	20	21	29	26	23	29	23	19	34	32	29	28	33	27	20	15	32	23	22	23	31	29	25	30	35	34				25.8		
HAGERSTOWN 1E		28	25	32	35	36	38	37	37	38	42	60	50	41	48	51	35	30	39	48	33	35	32	43	45	45	39	51	43				39.9	2400	
KEEFER		16	12	20	22	27	25	22	30	21	15	34	31	26	29	30	27	21	14	30	24	23	24	31	27	24	27	35	35				25.1		
SMITHSBURG 3NE		28	26	33	34	37	38	38	37	36	44	59	51	42	47	52	36	29	40	48	33	34	32	44	45	47	40	49	43				40.0	2400	
VAUGHN		16	12	20	22	28	24	20	30	22	15	35	30	25	29	30	27	21	15	27	24	23	22	32	28	23	26	35	35				24.8		
SALISBURY 5ESE		36	34	39	39	53	50	45	49	40	46	60	57	48	50	61	44	35	41	56	44	40	41	56	53	48	56	58	49				47.4	2400	
†SBY WICOMICO ARPT		24	18	28	27	30	27	25	40	29	24	40	37	39	33	30	32	28	24	35	29	26	30	40	35	28	28	46	39				31.1		
CRYSTAL CITY 1SE	VA	36	33	35	37	42	49	41	44	43	46	54	59	48	50	60	41	34	42	47	41	41	35	46	54	52	46	58	49				45.1	2400	
†DCA - NATIONAL ARPT		21	18	27	26	34	34	32	34	31	26	38	40	34	35	36	33	26	22	38	27	25	31	34	35	30	33	42	42						

ACON MD/DE/DC FEBRUARY 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				TOTALS	OBS	
DOVER 1SE DE DOT	DE	>	>T>						0.55			0.25			0.37	0.01	0.02			0.10	T		T	0.20					0.76	0.13				2.39 3.0	1600
SANDTOWN U of D REC DEOS				0.05					0.38			0.23		0.27	0.10		0.02			0.08			0.07	0.10	0.01		0.50	0.01	0.09				1.91 —	2400	
MIDDLETOWN 6N LEGATES		0.04		0.05					0.38	0.01		0.43		0.17	0.13	0.03	0.05			0.14				0.14			0.54	0.14	0.02				2.27 —	2400	
NEW CASTLE 2WNW †ILG - WILMINGTON		0.03 0.5	0.03 0.4	0.03 0.5	T T	0.01 0.1			0.35 T	T T		0.53		0.25 0.1	T T	0.02 T	0.03 T	T T		0.18 T		T T	0.18			0.50	0.17	T				2.31 1.6	2400		
SEAFORD 1W LAMBERTON		0.02 T		0.06					0.84			0.15		0.32	0.02		0.09			0.14			0.07	0.09	0.01	0.15	0.32	0.01	0.12				2.41 T	2400	
GEORGETOWN 1E †GED - SUSSEX CO ARPT		0.05	0.02		T	T			0.27	T		0.19		0.35	T		0.15	T		0.17			0.07	0.14	T		0.56	T	0.20				2.17 —	2400	
REHOBOTH BEACH BW U of D REC DEOS		0.07		0.02					2.10	0.01		0.25		0.58	0.01		0.21	0.02		0.12			0.07	0.19			0.55		0.23				4.43 —	2400	
FROSTBURG #2 LATTA	MD	0.09 2.4	0.01 0.1	0.09 2.7	0.03 1.3	0.36 4.7	0.06 1.0			0.08 0.1		0.11			0.10 1.5	T T	T T	0.02 0.9	0.01 0.5	T 0.1	0.11 1.0	T T		0.01		T T		0.91 0.8	0.01 0.2				2.00 17.3	700	
LaVALE MULLINS		T T	0.03 0.8	0.05 1.2	0.28 3.5	0.03 0.6			0.04 T			0.06		0.12 1.0	T T			T 0.1	0.04 0.5	0.03 0.5					T T		0.27 0.1	0.54 T	T T				1.49 8.3	2400	
PASADENA 2N HANSON		0.04 1.2	0.02 0.2						0.34			0.45		0.20	0.12	0.10	0.07			0.10			0.01	0.17			0.90	0.07	0.02				2.61 1.4	2400	
LOTHIAN 2S JUG BAY WETLANDS		DAILY DATA STOPPED DUE TO WEATHER STATION FAILURE DAILY DATA WILL RESUME ONCE REPLACEMENT IS PUT INTO OPERATION ON 1 APRIL 2013																														M —	2400		
LAUREL 2E STOUDT		0.03 0.7	0.05 0.7	0.01 0.1					0.25			0.46		0.28 0.3		0.12 T	T T			0.10 T			0.02 T	0.14			0.60	0.06	0.04				2.16 1.8	2359	
HANOVER 1ESE †BWI - BALTIMORE		0.01 T	0.02 0.3	T T					0.24			0.41		0.31 0.2		0.09 T	0.04 T	T T		0.09 T	T T		0.03 T	0.12			0.49	0.07	0.03 T				1.95 0.5	2400	
REISTERSTOWN 1NW MULLER		0.05 0.9	0.04 0.8	T T		T T	T T		0.10 T			0.38		0.26 1.5	T T	0.28 1.6	0.01 0.1	T T		0.12 T			T T	0.08 T			0.43	0.17	T				1.92 4.9	2100	
OWINGS MILLS 3SE SHARROW		0.07 0.9	0.08 1.0	0.01 0.2	T T	T T			0.15 T			0.35		0.30 1.7		0.15 0.2	T T	0.01 0.1		0.11 T	T T		0.01 T	0.03			0.67 T	0.07					2.01 4.1	22-24'	
BALTIMORE 2SE MANFRE		0.03 T	0.04 0.3	T T					0.23			0.39		0.32 0.2		0.09 T	0.03 T	T T		0.11 T	T T		0.02 T	0.11			0.60	0.06	0.01				2.04 0.5	2400	
BALT INNER HARBOR †DMH - MD SCI CENTER		0.01	0.04	0.01					0.19			0.41		0.33		0.09	0.01			0.12			0.01	0.09			0.57	0.06	0.01				1.95 —	2400	
MANCHESTER 1SW CLOSE		0.03 1.4	0.06 0.9	0.02 0.4	T T	0.02 0.4	T T		0.13 0.3			0.27		0.20 2.5	T T	0.27 3.3	T 0.2	T 0.3		0.15 T	T T		T T	0.05			0.44	0.12	0.01				1.77 9.7	2300	
WESTMINSTER 4SSE HARTSOCK		0.02 1.0	0.01 0.6	T T	T 0.1	T T	T T		0.14 T			0.33		T T	0.21 1.1		0.24 1.6	T T		0.18 0.1	T T	T T	T T	0.07			0.08	0.54	T T				1.82 4.5	1800	
MILLERS 4NE MILLER		0.04 0.8	0.01 0.2	0.05 0.7	0.01 0.1	0.02 0.4	T T		0.16 0.2	T T		0.30		0.01 T	0.22 2.0	T 2.2	0.31 T	T T		0.21 0.2	T T		T T	0.10	T T	T T	0.10 T	0.50 T	T T				2.04 6.8	1800	
BRYANS ROAD 2ESE BRUMBACK		0.03 0.7	0.01 0.1	0.03 0.4	T T				0.29	0.07		0.20	0.01		0.15		0.19	0.06 T			0.09			0.08	0.05			0.65	0.02				1.93 1.2	700	
EMITTSBURG 2SE GLASS		T T		T T	T T		T T		T T	0.05 T		0.31			0.03 1.0	0.08 T	0.16 T					0.20 1.0			T T	0.02			1.20					2.05 2.0	700
McHENRY 3SW SINES DEEP CREEK		0.22 3.5		0.50 7.0	0.15 7.0	0.45 6.0	0.22 2.0			0.23 3.0					0.25 1.0		0.10 1.0	0.09 4.0	0.11 1.5		0.25 2.6	0.02 0.5		0.07		0.02 0.1		0.50 0.2	0.17 0.8				3.35 40.2	700	
DARLINGTON 1ENE CONOWINGO DAM			0.10 1.0	T T			0.10 M		0.04 T	0.16 T		0.22	0.15		0.24 0.5		0.16				0.18 T			>	0.19			0.40					1.94 1.5	700	

ACON MD/DE/DC FEBRUARY 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				TOTALS	OBS
ABERDEEN 2S	MD	T	0.01	0.03			T		0.07	0.24		0.37	0.01		0.35		0.01				0.09			M	0.02			0.56	0.01				1.77	700
PHILLIPS ARMY AIR FLD		T	0.5	0.5			T								T																	1.0		
NORBECK 1SE		0.03	0.03	0.01					0.19			0.36		0.31	T	0.09	0.05	T		0.14	T		0.03	0.08			0.57	0.11	0.03				2.03	2200
BERGER		0.8	0.4	T										0.4	T	T	T	T		0.1	T		T									1.7		
POTOMAC 4NNE		0.03	0.02	T					0.19			0.37		0.28		T	0.15			0.10			0.05	0.07	T		0.51		0.03				1.80	2100
COHEN		0.7	0.4	T										0.4			T			T			T									1.5		
OLNEY 1S		0.04	0.03	T					0.17			0.30		0.25		>	>	0.15		0.11			0.03	0.04			>	0.60	0.01				1.73	2400
GIANNOLA		1.2	0.4	T										1.0		>	>	T					T									2.6		
CLARKSBURG 2ENE		0.06	0.03	0.02	T	T			0.13			0.35		0.30		0.29	0.01	T		0.08	T		0.04	0.04	T		0.62	0.08	0.01				2.06	2400
HOLDEN		1.2	0.6	0.4	T	T			0.2					1.8		0.6	0.1	T		0.2	T		T		T		T		T			5.1		
ROCKVILLE 2W		0.04	0.02	0.01					0.18			0.32		0.27		0.17	0.00	T		0.10			0.05	0.03			0.59	0.05	0.01				1.84	2400
McGINNIS		0.8	0.6	0.1					T					0.8			0.0	T		T			T						T			2.3		
GLENMONT 1NNE		0.04	0.03	T					0.19			0.40		0.28		0.13	T			0.14			0.03	0.07			0.77	0.03	0.03				2.14	2400
ROSSEN		0.9	0.5	T										0.4		T	T			0.1			0.1									2.0		
BETHESDA 3NW		>	>	0.03					0.20			0.30		0.18	0.10	0.10	0.01			0.11			0.04	0.09			0.71	0.04	0.03				1.94	2400
SCAFIDE																																—		
GAITHERSBURG 2WNW		0.03	0.02	T					0.14			0.31		0.23		0.16	T	T		0.08			0.02	0.06			0.59	0.05	0.02				1.71	2400
SHAW		0.9	0.3	T										0.8		T	T	T		T												2.0		
FOREST GLEN		0.02	0.04	0.01					0.22			0.35		0.28		0.14	0.01			0.10			0.03	0.12			0.82	0.05	0.03				2.22	2400
TERRY		0.8	0.8	0.3										0.2		T	T						T	T								2.1		
OXON HILL		0.02	T	0.03	T				0.15	0.07		0.37	0.01		0.24		0.15				0.12			0.13	0.06			0.62	0.03				2.00	700
SMITH		0.4	T	0.6	T										T								T									1.0		
HOLLYWOOD 3ENE		0.01		0.01					0.42	0.05		0.10	0.06		0.12		0.12			0.06				0.11	0.09			0.70	0.02				1.87	700
GLEASON		T		0.2																												0.2		
MECHANICSVILLE 4NNE		0.02		0.02	T	T			0.51	0.02		0.23	T		0.15		0.07	0.08			0.18		T	0.11	0.07			0.74	T				2.20	700
HASTINGS		0.2		0.2														T					T									0.4		
RIDGE 1N		0.01	T	T				0.02	0.88			0.10		0.11			0.22			0.04			0.10	0.18	0.02		0.88		0.06				2.62	2400
ZYLA		T	T	T													0.1															0.1		
ROYAL OAK 2SSW		0.12		0.04		0.04			0.56	0.03		0.22		0.12	0.22		0.11			0.09	T		T	0.18	0.04		0.02	0.42	0.24				2.45	1700
SWAINE		1.5		0.5																			T									2.0		
SMITHSBURG 3WNW		0.01	T	T	T	0.02			0.01			0.14		0.17		0.09	T	T		0.13			0.01				0.76	0.07	0.01				1.42	2400
HUTTO		0.3	T	0.1	0.2	T								1.0			0.1	T		T												1.7		
HAGERSTOWN 1E		0.01	T	T	0.01	0.03			0.02	T		0.16		0.15		0.14	T	T		0.23	T	T	0.03	T	T		0.70	0.04	T				1.52	2400
KEEFER		0.2	T	T	0.2	T			T	T				0.6		T	T	T		0.1	T	T	T		T		T		T			1.1		
SMITHSBURG 3NE			0.01	0.01	0.01				0.02			0.17		0.10		0.18	0.02			0.09			0.01	0.01			0.56	0.07					1.26	2400
VAUGHN			0.2	0.2	0.1				0.1					0.8		0.1							T									1.7		
SALISBURY 5ESE		0.01	T	T		T			1.73	T		0.15		0.46	T		0.26	T		0.20			0.06	0.26			0.53	0.01	0.03				3.70	2400
†SBY WICOMICO ARPT		T								T								T														T		
CRYSTAL CITY 1SE	VA	0.01	0.02	T			T		0.20			0.28		0.19		0.10	0.02			0.07			0.06	0.08			0.62	0.01	0.01				1.67	2400
†DCA - NATIONAL ARPT		0.2	0.2	T										T		T	T			T			T									0.4		
CHANTILLY 3N		0.01	T	0.01		T	T		0.19	T		0.13		0.26		0.10	T	T		0.07	T		0.06	0.04			0.71	0.04	0.01				1.63	2400
†IAD - DULLES ARPT		0.6	T	T		T			0.3	T				0.4		T	T	T		T	T		T									1.3		
MARTINSBURG	WV	0.01		T	T	0.02			0.03			0.15		0.11		0.13		T		0.05			0.03				0.86	0.03					1.42	2400
†MRB EAST-WV ARPT																																—		
BAYARD		0.29	0.03	0.21	0.15	0.47	0.24	0.01		0.18		0.03			0.13		0.13	0.20	0.08	T	0.15	0.03	T	0.07		T		0.37	0.12				2.89	700
DURST		7.3	1.0	5.0	6.5	4.9	3.2	T		1.2				1.6		1.4	6.3	2.0	T	2.2	1.0	T				T		0.5	0.6				44.7	
DAVIS 3SE		0.43	0.03	0.34	0.22	0.60	0.43	0.02		0.28	0.02	0.18			0.42		0.15	0.22	0.10	0.05	0.33	0.03	0.04	0.14				0.39	0.19				4.61	700
LESHER		10.7	0.7	6.5	7.4	5.8	4.4	0.3		2.6	0.4				4.6		2.0	7.1	2.7	0.6	5.0	1.5	0.2					1.1	1.6				65.2	