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

ROLLERCOASTER TEMPERATURES MAJOR MID MONTH STORM

March saw wide swings in temperatures. Temperatures averaged close to above normal despite periods of extreme cold and heat while precipitation was above normal in the north regions and below in the southern regions.

The first major precipitation event, which was all rain, began during the afternoon and evening hours of the 1st and ended mid day of the 2nd. Rainfall amounts generally were in the 1/2" to 1" range with the heaviest amounts of around 1 1/2" in the extreme north and the least around 1/3" in St. Marys County.

West to northwest winds of upwards of 50 MPH ushered in much colder temperatures on the 5th. Temperatures on the 6th and 7th remained below freezing. Single digit minimum temps occurred in the Western Maryland mountains.

Snow fell on the 7th. Amounts were generally in the one to two inch range. Less than half an inch fell in St Marys County while three inches fell in Carroll County and five inches in Washington County. The heaviest reported snowfall was 10" by **Rebecca Harvey of Eagle Rock**, 9.0" by **Greg Latta of Frostburg** and 8.3" by **Nate Mullins of LaVale**.

Following the snowstorm the coldest March temperature in recent years occurred on the morning of the 8th. **Max Hutto of Smithsburg 1.5 SW** reported 5 degrees below zero, **Eric Glass of Emmittsburg 2SE** 4 degrees below zero, and **Greg Keefer of Hagerstown 1E** 3 degrees below zero (see observer comments for more details).

Temperatures rebounded quickly. The afternoon of the 8th saw temperatures in the upper 30's to upper 40's. By the 10th 60 degree temperatures were common. 69 degrees occurred at **Oxon Hill** and 68 at **Glenmont 1NNE**, **Forest Glen** and **Hollywood**.

The 11th was a little cooler and breezy. Temperatures warmed up to unseasonable levels from the 13th to the 15th. 70's with many 80's on the 14th

were common. The warmest reported was 85 by **Joe Manfre of Baltimore 2 SE** and 84 by **Stan Rossen of Glenmont 1 NNE**.

Arctic air moved in on the afternoon of the 15th. Temperatures fell from the 70's on the 15th to below freezing on the 16th. Rain spread northwards during the afternoon and evening hours of the 15th. and continued into the 16th. Rain changed to sleet and then to snow in the colder northern and western regions as the temperatures fell below freezing. 70 degree plus temperatures one day then frozen precipitation the next day is very unusual for this area. An inch or more of sleet fell west and north of a line from the Washington DC western suburbs north to west and north of Baltimore and then eastward into northern Delaware. Two plus inches fell north of a line from Northern Delaware westward north of Baltimore into Carroll County. The sleet changed to snow earlier from Carroll County westwards. 2.5" to 5.5" fell in Carroll County. The heaviest fell from Washington County westward into the Maryland Mountains. Over 6 inches of snow was reported by the following ACON observers: **Eric Glass of Emmittsburg 2SE** 9.0", **Greg Latta of Frostburg** 7.8", **Jim Vaughn of Smithsburg 2 NE** 7.5", **Nate Mullins of LaVale** 7.0", **Greg Keefer of Hagerstown 1E**, 6.7", **Max Hutto of Smithsburg 1.5SW** 6.3".

The 17th was windy and cold. Afternoon temperatures were generally in the mid to upper 30's. Temperatures rebounded quickly and by the 22nd they rose into the 70's. Temperatures rose into the 80's in St Marys County on the 23rd.

A cold front which moved south brought some light rain on the 23rd and 24th. Dense fog was reported in Central Maryland the evening the 24th and morning of the 25th.

The 27th was windy and very warm. Temperatures rose quickly into the 70's and 80's. **Joe Manfre of Baltimore 2 SE** reported 86 while 85 was reported by

EXTREMES REPORTED BY

ACON OBSERVERS

MAXIMUM TEMPERATURE

Baltimore 2 SE	86
Jug Bay Wetlands	85
Bryans Road 2 ESE	85
Hollywood	85

MINIMUM TEMPERATURE

Smithsburg 1.5 SW	-5
Emmittsburg 2SE	-4
Hagerstown 1 E	-3

WARMEST AVG. TEMP.

Oxon Hill	49.1
Hollywood	49.1
Ridge	49.0

COLDEST AVG. TEMP.

Davis 3 SE WV	37.6
Eagle Rock	37.8
Frostburg	38.2

MAXIMUM PRECIPITATION

Davis 3 SE WV	5.70
Newark AG Farm	5.35

MINIMUM PRECIPITATION

UofD Warrington Farm	2.78
Ridge	2.80

MAXIMUM SNOWFALL

Davis 3 SE WV	33.8
Eagle Rock	24.5
Frostburg	21.5

MINIMUM SNOWFALL

Ridge	0.2
Hollywood	0.2

Marty Brumback of Bryans Road 2 ESE, and **Floyd Abell of Hollywood**. Thunder was reported the afternoon but most stations reported little if any rain.

The remaining days of March saw seasonal temperatures and no rain.

**WELCOME NEW MEMBER
ERIC GLASS OF EMMITTSBURG 2SE**

OBSERVER COMMENTS FOR MARCH 2007

Gary Gallaher of Bear 2 SW, DE

Rollercoaster temperatures—75 degree spread between the monthly max and min temperatures. 57 consecutive day streak with min temps of 32 or below ended on the 13th.

16th - Rain changed to heavy sleet during the afternoon accumulated by freezing rain.

Nate Mullins of LaVale

Two major winter storms (7th & 16th) made it the snowiest March since 1999

7th - Snow began early this morning. It continued moderate to heavy at times before tapering off around 3 PM.

8th - Very cold morning with clear skies Low was 9 F. A MesoWest station 1 mile to the east and slightly lower in elevations reported 2 F.

16th - Snow began before dawn and continued moderate to occasionally heavy. It mixed with sleet at times. The snow ended as snow showers late this evening.

Dan Hanson of Pasadena 3 SW

16th - Sleet

Jeff Stoudt of Laurel 2 E

16th - Steady rain changed to sleet mid afternoon, ended as a little snow late evening.

27th - Stray thundershower around 6 PM.

Al Kreinik of Parkton 5 SW

2nd - AM heavy rain.

16th - Early AM rain; snow, sleet, glaze PM.

27th - Distant thunder late afternoon—no precipitation.

Marty Sharrow of Owings Mills

5th - Sunshine with strong afternoon winds.

6th - Sunny, windy, and very cold.

16th - Stormy; rain to sleet to snow, cold.

Joe Manfre of Baltimore 2SE

14th - Variable cloudy, very warm.

27th - Mostly cloudy, PM thunderstorm, windy.

Greg Klein of Westminster 5 SSE

16th - Morning rain changed to mostly snow and some sleet in the afternoon and evening.

Ralph Hartsock of Westminster 4 SSE

2nd - Moderate to heavy rain AM. Sunny and mild PM.

6th - Very cold, sunny, & windy. 25 F daytime high.

8th - Ice fog, thick rime.

16th - Heavy rain then sleet and snow.

Bobby Miller of Millers 4 NE

Greatest extreme temperature range for any month of 78 deg.

14th - Windy, warmest since 10/10/2006.

15th - Thunder 1 AM. PM showers and colder.

25th - Very early fog. 25th anniversary of the station.

30th - Some AM frost, heavy in the valley.

Rebecca Harvey of Eagle Rock

16th - Glaze

20th - Heavy fog.

Rich Giannola of JHU/APL

2nd - PWG 43 MPH from WSW @ 11:47 AM.

5th - PWG 45 MPH from WNW @ 11:49 AM.

8th - Many contrails in the afternoon.

Rob Cohen of Potomac 4 N

4th - Brief flurry.

27th - Thunder heard, no rain.

Rich Giannola of Olney 1 S

13th - First crocus bloomed.

15th—16th - Rain began late the afternoon of the 15th, and mixed with sleet mid afternoon of the 16th. It became all sleet by 4 PM. Snow and sleet mix by 7 PM and then mostly all snow by 8 PM.

Stan Rossen of Glenmont 1 NNE

16th - Rain to sleet to snow.

Kevin Shaw of Gaithersburg 2 WNW

8th - 9 degrees - First March sub-teen temperature since 2002.

15th—16th - 2/3rd of the months precipitation fell.

Joe Terry of Forest Glen

Wild temperature swings. Large even for March. Second very windy month in a row.

2nd - Rising AM temps with moderate rain ended by dawn. 40 degree dew point drop in 4 hours (0830 to 1230). Minimum relative humidity 12%.

15th - Very warm then strong front around 1400 hours was followed by sharply falling temperatures and a cold rain.

Brian Smith of Oxon Hill

20th - AM low 53 degrees.

Floyd Abell of Hollywood

7th - Early AM (0.2") and late day (0.1") snow, cloudy.

17th - Light sleet and flurries at times.

24th - Cloudy, drizzle, fog.

25th - Morning fog, fair afternoon.

John Zyla of Ridge

15th - Thunderstorm 5:00 - 5:30 PM.

Max Hutto of Smithsburg 1.5 SW

6th - Colder, sunny, very windy.

8th - -5 Coldest temperature ever recorded at this station.

13th - Warmer, mostly sunny, windy.

Greg Keefer of Hagerstown 1 E

2nd - Overnight moderate to heavy rain ended by 9 AM.

8th - Record low of -3 broke the old record of +2 set in 1960. This was also the third lowest temperature for March since 1898. March's record low is -7 set in 1900. The last time it was below zero in March was in 1934.

16th - Rain and sleet overnight changed to all snow by 11 AM. Moderate to heavy snow fell during the afternoon.

Jim Vaughn of Smithsburg 2 NE

1st to 6th - PWG 40 MPH or greater ties a record.

6th & 7th - New daily low maximum temperature set.

Lance Shaffer of Sterling 4 N VA

28th - 55 degrees, balmy start.

Dave Leshner of Davis 3 SE WV

8th - Max snow depth 27"

24th - First day with no snow on the ground this month.

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

Below is an article which appeared in the March 20, 2007 New York Times. **Herb Close**, our ACON member from Manchester, is quoted in the last paragraph. Herb's complete report can be found in the January 2006 ACON.

Snowflakes as Big as Frisbees?



By [WILLIAM J. BROAD](#)

Published: March 20, 2007

NY Times

Since at least the 19th century, people have periodically claimed to see giant snowflakes falling from the sky — big ones the size of saucers and plates or even larger, their edges turned up, their heaviness making them descend faster than small flakes.

But the evidence was always sketchy and, because of the fragile nature of snowflakes, fleeting. The giant flakes were not quite in the category of sea monsters or U.F.O.'s. Even so, skeptics noted the human fondness for exaggeration, as well as the lack of convincing photographs. And the organizations that compile weather records never made tracking big flakes an observational requirement. So the giants languished in a twilight world of science, their existence claimed but seldom documented.

Now, theorists, weather historians and field observers are concluding that most of the reports are true and that unusually large snowflakes two to six inches wide and perhaps wider fall regularly around the globe, surprisingly big and fluffy, if seldom witnessed or celebrated. Guinness World Records lists the largest snowflakes as having fallen during a storm in January 1887 at Fort Keogh, in Montana. A rancher nearby, the book says, called them "larger than milk pans" and measured one at 15 inches wide. But no corroborating evidence supports the claim.

"Who of us has seen a hailstone the size of a golf ball or a baseball?" asked Kenneth G. Libbrecht, a snowflake devotee at the [California Institute of Technology](#) who runs the physics department there in his spare time. "But, clearly, they exist, because people pull them out of their freezers. Some of these things can be very, very rare, but not impossible."

So too with giant snowflakes, Dr. Libbrecht said. "As big as a basketball?" he asked. "Who knows? It's not out of the question."

The laws of physics, he said, suggest no obvious restrictions on the size of very large flakes. But in the real world, Dr. Libbrecht added, wind might break up the fragile compilations, putting an effective size limit on what flutters down from the sky.

Some of the new interest stems from weather historians who have scrutinized old reports and found recurring claims of giant snowflakes. At times, they say, independent observers of the same storm have corrob-

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ated the extraordinary falls.

William S. Pike, a British weather observer for the Royal Meteorological Society, found 11 poorly known reports, which he described in *The Journal of Meteorology* in January 1988. He wrote that reliable observers of big flakes estimated their diameters at anywhere from two to six inches.

"There is every reason to suppose that such instances might occur almost every day during winter somewhere in Europe or the maritime fringes of North America and Asia," he said. But, he added, such extraordinary snowfalls "are seldom reported or authenticated."

In an interview, Mr. Pike said he got into the topic partly because he himself watched in amazement one day in Vancouver, British Columbia, as giant snowflakes began to transform the winter landscape. "They were two or three inches across," he recalled. "So I became a believer, having once witnessed it myself." He added that scientists were starting to understand the atmospheric conditions that give rise to big flakes and that this knowledge presented an opportunity for enthusiastic amateurs.

"Any kid with a ruler and a camera can make a contribution," he said. "If they see something special, it's worth recording and talking about. After all, records are meant to be broken."

More by accident than design, scientific field studies in recent years have begun to document the existence of very large flakes with laser probes that can make precise measurements. Two expeditions in the Canadian wilds have done so from airplanes flying through heavy winter storms.

In the future, [NASA](#) and its international partners are to join the hunt for giant snowflakes with satellites that measure global precipitation, including snowfall. The work is seen as crucial for climate studies. The first satellite is to fly in 2013, at an overall mission cost of roughly \$1 billion.

"For the first time, we'll be able to make a good estimate of the snowfall rate and potentially of snowflake sizes, including the presence of very large flakes," said Walter A. Petersen, a senior research scientist at the [University of Alabama](#), Huntsville, who is working on what is known as the Global Precipitation Measurement mission. "It's a big deal."

Dr. Petersen said understanding snowflake sizes and shapes was important because big ones, if unaccounted for in the global measurements, could fool space sensors into overestimating the amount of precipitation.

The usual image of a snowflake — a perfect star with six arms, the kind found on ski sweaters and holiday cards — is actually a single snow crystal. As Dr. Libbrecht of Caltech notes in his book "The Snowflake" (Voyageur Press, 2003), the word snowflake is a general term that can refer to a single ice crystal, a small cluster of them or a large aggregation that forms when crystals "collide and stick in midair, falling to earth in a flimsy puffball."

Hundreds or perhaps thousands of crystals will come together to form a giant snowflake, scientists say. But it turns out that even a single crystal can be surprisingly large.

Dr. Libbrecht, who grew up on a farm in North Dakota and fell in love with snow at an early age, now specializes in studying and photographing snow crystals. In an interview, he mentioned how in his 2003 book he described the biggest snow crystals found in nature as about the size of a pea.

After that, he said, he was on field study in northern Ontario when he found himself surrounded by star-shaped crystals falling from the sky that were the size of dimes.

"They were huge," he recalled. "It was very impressive."

Dr. Libbrecht features one of the giants in "Ken Libbrecht's Field Guild to Snowflakes" (Voyageur Press, 2006). "It's quite a sight," he wrote, "to see such enormous ice flowers drifting through the air and landing on your sleeve!" (In his laboratory, he has managed to grow single crystals even larger, up to an inch wide.)

Snow crystals, despite their legendary diversity, come in a relatively small number of general shapes, including prisms, columns, stars, cups, plates, bullets and needles. Technically, the big crystals that Dr. Libbrecht observed in Canada are known as dendrites, from the Greek word for tree, because their arms are quite elaborate, like branches thick with leaves or flower stems rich in petals. Dendrites are the largest snow crystals.

Scientists have found that dendrites have a tendency to join together faster than their simpler relatives.

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Their complicated arms, it appears, more easily form bonds. "As the branches interlock," said Dr. Petersen of the University of Alabama, "you get these huge aggregates."

Scientists have also found that particularly large dendrites, like the ones Dr. Libbrecht observed, can become the "seeds" or "nuclei" from which big flakes grow.

Mr. Pike's article in *The Journal of Meteorology* mentions the rancher's giant Montana flakes, but finds that report questionable. The rest of his cases tend to be better documented and corroborated, often by meteorologists. For instance, weather officials in Berlin reported a winter storm of January 1915 that produced snowflakes up to four inches wide.

The big flakes, German officials said in *The Meteorologischen Zeitschrift*, "not only fell more rapidly than the small flakes, but also did not swirl about to the same extent." The officials added that "most were shaped like round or oval bowls or dishes with upturned rims. They did rock to and fro in the wind but at no time were they observed to turn over completely so that the concave side would face downward."

Mr. Pike also reports on a winter storm that hit Laramie, Wyo., in September 1970, producing flakes up to three inches wide. A witness watched two relatively small flakes collide and merge to form a large snowflake. Using a stopwatch, the observer also found that the big flakes fell more than twice as fast as smaller ones.

Mr. Pike, generalizing from the reports, concluded that the big flakes tended to form when the temperature was just above freezing, making them wet and sticky. "Ideally," he wrote, "winds should also be relatively light to avoid 'bunches' disintegrating."

The agglomerations seem to start relatively high in the atmosphere, Mr. Pike added. When flakes of modest size form, he said, "there is a fair likelihood that these will continue to grow by collision and merger, especially at the expense of smaller flakes and crystals falling in their paths at two-thirds or half the speed."

An airborne expedition near St. John's, Newfoundland, went further in illuminating the origin of the big flakes. The work began during a fierce storm in February 1992 as scientists of the Canadian Atlantic Storms Program tried to understand the nature of winter gales that lash the coast.

Suddenly, a laser on the side of the plane began to track the presence of snow crystals up to a fifth of an inch wide — about the size of a pea. The team made measurements all over the region and then, back on the ground, found that large snowflakes up to two inches wide were falling and collected samples. After compiling all the weather data and doing extensive computer modeling, the team came up with a detailed explanation.

The drama had begun more than three miles up — unusually high — when large dendrites formed in moist winds that blew slightly upward, keeping the crystals aloft. "That gave them time to grow," recalled R. Paul Lawson, a team scientist then working at the National Center for Atmospheric Research, in Boulder, Colo. "And it let them fall for a long time."

Eventually, the big crystals fell through a region of regular snowfall, Dr. Lawson said, bumping into smaller dendrites and needles along the way, gathering them up to form increasingly large clusters.

"As they fell, they tended to accumulate," he said. "Everything has to come together for it to work."

The team published its findings, "Observations and Numerical Simulations of the Origin and Development of Very Large Snowflakes," in the November 1998 issue of *The Journal of the Atmospheric Sciences*.

Herbert H. Close Jr., an amateur weather observer in Manchester, Md., knows the magic up close.

One night last winter, amid bolts of blue lightning and peals of thunder, he watched in astonishment as giant flakes began to fall around him. They were so big that the surrounding snow cover turned lumpy.

"It's a matter of being at the right place at the right time," Mr. Close said of the unusual show. "Sometimes you get lucky."

**ACON MD / DE / DC
MARCH 2007 SUMMARY**

OBSERVER	STATION <i>COUNTY, STATE</i>	TEMPERATURE									PEAK WIND			PRECIPITATION					SNOWFALL				OBS TIME		
		AVG MAX	AVG MIN	MEAN	MAX	DAY	MIN	DAY	MAX >=90	MAX <=32	MIN <=32	GUST	DIR	DAY	TOTAL	MAX DAY	DATE	YEAR	DAYS >=.01"	DAYS >=1"	TOTAL	MAX DAY		DATE	SEA- SON
<i>New Castle, Delaware</i>																									
Gallaher, Gary	Bear 2 SW	54.1	31.3	42.7	81	27	6	8	0	2	19	48	W	6	4.92	2.32	16	10.58	9	2	3.8	2.4	16	12.6	2400
NWS Wilmington	New Castle Co. Apt.	54.1	33.1	43.6	83	27	13	8	0	2	15	49	NW	6	4.61	2.10	16	10.07	10	2	3.8	2.4	16	12.6	2400
U of DE DEOS	UofD AG Farm Newark, DE	54.2	32.1	43.2	82	27	9	8	0	2	16	30		6	5.35	2.51	16	10.28	10	2					2400
U of D Townsend Farm	Townsend 4 W	M	M	M	80	27	29	30	0	0	1	30		22	0.11	0.11	22	-	1	0					2400
<i>Sussex, Delaware</i>																									
NWS Georgetown	Sussex Co. Airport	56.9	33.8	45.4	83	27	8	8	0	2	14	45	SSW	2	3.21	2.27	16	9.49	8	1					2400
U of D Research & Ed Ctr	Georgetown	57.0	33.8	45.4	82	27	6	8	0	2	14				3.05	2.20	16	7.88	5	1	2.0	2.0	8	3.2	2400
U of D Warrington Farm	Harbeson 8 S	55.0	32.6	43.8	81	27	6	8	0	1	14				2.78	2.02	16	7.53	8	1					2400
<i>Allegany, Maryland</i>																									
Latta, Greg	Frostburg	49.6	26.8	38.2	74	28	5	6	0	6	23				4.19	1.03	24	9.21	12	1	21.5	5.5	17	60.6	0700
Mullins, Nate**	LaVale	55.5	32.0	43.8	80	27	9	8	0	2	16				3.93	1.13	16	7.58	16	1	16.0	8.3	16	35.0	2400
<i>Anne Arundel, Maryland</i>																									
Bryant, Dave	Annapolis 2 N																								2400
Hanson, Dan	Pasadena 3 SW	56.7	33.5	45.1	83	27	11	8	0	2	15	39	W	5	3.85	1.68	16	8.19	14	1	0.5	0.5	16	0.5	2400
Jug Bay Wetlands	Lothian	60.4	35.5	48.0	85	15	8	8	0	1	13				3.41	1.69	17	9.20	7	1	1.4	1.4	8	2.9	0900
NWS Baltimore	BWI Airport	56.5	33.8	45.2	83	14	14	8	0	2	16	46	W	5	4.17	2.14	16	8.69	10	1	1.4	0.8	7	10.8	2400
Stoudt, Jeff	Laurel 2 E	57.5	35.5	46.5	82	14+	15	8	0	2	13				4.28	2.18	16	9.20	12	1	1.9	1.0	7	12.5	2400
<i>Baltimore, Maryland</i>																									
Kreinik, Al	Parkton 5 SW	53.4	29.9	41.7	80	14+	3	8	0	3	17				3.91	1.51	16	9.70	7	2	6.9	2.5	7	19.3	2200
Sharrow, Marty	Owings Mills 2 SE	54.2	31.5	42.9	79	14+	10	8	0	3	15				3.99	2.10	16	8.39	9	1	4.0	2.0	7+	18.0	2400
<i>Baltimore City, Maryland</i>																									
Manfre, Joe	Baltimore 2 SE	58.1	39.6	48.9	86	27	21	6	0	1	8				4.22	1.85	16	8.16	11	1	2.8	1.9	7	11.1	1800
Maryland Science Ctr	Baltimore Inner Harbor	57.4	39.4	48.4	85	27	21	6	0	1	8				4.25	1.94	16	8.35	11	1					2400
<i>Carroll, Maryland</i>																									
Close Jr, Herb	Manchester 1 SW	52.5	32.4	42.5	79	22	11	6+	0	3	14				5.02	1.98	16	11.23	11	1	8.5	5.5	16	22.7	2300
Hartsock, Ralph	Westminster 4 SSE	53.5	31.4	42.5	80	14	7	8	0	3	17				4.77	2.00	16	11.45	12	2	4.5	2.5	16	18.3	2000
Klein, Greg	Westminster 5 SSE	50.8	32.0	41.4	76	14	12	8	0	4	15				4.60	2.12	16	10.84	11	1	7.5	4.5	16	24.3	2200
Miller, Bobby	Millers 4 NE	53.0	30.3	41.7	78	14+	0	8	0	4	17	48	SW+	2+	4.80	1.77	16	10.96	11	2	7.6	2.7	16	22.3	1800
Muller, Ray	Westminster City	M	M	M	80	27	7	8	M	M	M	45	NW	5	4.65	1.95	16	10.44	11	1	6.8	3.0	7	21.7	1900
<i>Charles, Maryland</i>																									
Brumback, Marty	Bryans Road 2 ESE	59.9	37.0	48.5	85	27	14	8	0	1	13				3.40	1.91	16	6.86	8	1	1.5	1.5	7	10.0	2400
<i>Frederick, Maryland</i>																									
Glass, Eric	Emmitsburg 2 SE	53.5	27.0	40.3	82	28	-4	8	0	2	21				4.97	1.70	2	8.05	12	1	13.3	9.0	17	19.9	0700
Lawrence, Bryon	Frederick 3 WNW																								2300
<i>Garrett, Maryland</i>																									
Harvey, Rebecca	Eagle Rock	48.2	26.8	37.5	72	31	2	6	0	7	21				4.33	0.78	2	12.29	15	0	24.5	6.0	8	107.0	0800

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<i>Howard, Maryland</i>																									
Giannola, Rich	Laurel JHU / APL	54.5	34.1	44.3	80	27	12	8	0	3	13				3.78	1.87	16	8.42	11	1	1.6	1.0	7	12.1	2400
<i>Montgomery, Maryland</i>																									
Cohen, Rob	Potomac 4 N	57.8	34.8	46.3	82	27	14	8	0	1	15				3.46	1.95	16	8.58	8	1	1.6	0.8	7+	13.8	2100
Giannola, Rich	Olney 1 S	55.9	33.2	44.6	81	27	13	8	0	2	14				3.68	2.33	15-16	8.15	6	1	2.0	1.0	7+	14.6	2400
Roth, David	Montgomery Village 1SW	56.1	34.6	45.4	80	27	14	8	0	2	15				3.35	1.73	16	9.33	8	1	0.8	0.8	7	12.7	2400
Rossen, Stan	Glenmont 1 NNE	58.4	33.6	46.0	84	14	13	8	0	1	15				3.47	1.91	16	8.52	8	1	1.3	0.8	7	13.2	2400
Scafide, Tony	Bethesda	56.6	36.7	46.7	82	14	17	8	0	2	12				2.97	1.73	16	6.93	8	1					2400
Shaw, Kevin	Gaithersburg 2 WNW	56.9	32.2	44.6	81	27	9	8	0	2	15				3.14	1.71	16	9.81	10	1	2.9	1.8	16	18.6	2400
Terry, Joe	Forest Glen	59.7	35.9	47.8	84	27	14	8	0	1	12	44	W	5	3.89	2.04	16	9.01	11	1	1.9	1.1	7	14.5	2400
Wash Gas Light	Rockville 1 NE	56.6	37.1	46.9	79	14+	16	8	0	2	10				2.96	1.79	16	7.28	9	1	1.3	0.8	16	5.3	2400
<i>Prince Georges, Maryland</i>																									
Smith, Brian	Oxon Hill	60.1	38.0	49.1	84	27	15	8	0	1	12				3.75	2.25	16	9.29	8	1	2.0	1.8	7	11.8	2300
<i>St. Marys, Maryland</i>																									
Abell, Floyd	Hollywood	59.9	38.2	49.1	85	27	18	8	0	1	12	35		3	3.42	2.50	16	11.21	6	1	0.3	0.3	7	5.6	2400
Zyla, John	Ridge	58.6	39.4	49.0	84	27	21	8	0	0	9	38	SW	15	2.80	2.38	15	10.17	7	1	0.2	0.2	7	3.1	2400
<i>Washington, Maryland</i>																									
Hutto, Max	Smithsburg 1.5 SW	54.5	30.0	42.3	80	27	-5	8	0	2	17	36	N	6	4.30	1.13	2	9.07	11	2	11.4	6.3	16	22.4	2400
Keefer, Greg	Hagerstown 1 E	53.6	30.2	41.9	81	27	-3	8	0	2	16	50	NW	5	4.58	1.04	16	9.06	13	1	12.0	6.7	16	23.6	2400
Vaughn, Jim	Smithsburg 2 NE	52.4	34.5	43.5	79	27	14	6+	0	4	11	55	SW	2	4.41	1.07	16	7.80	18	1	11.6	7.5	16	21.6	2400
<i>Wicomico, Maryland</i>																									
NWS Salisbury	Wicomico Co. Apt	57.5	31.7	44.6	83	27	8	8	0	1	17	47	S	2	3.50	2.25	16	10.12	5	1	1.0	1.0	7	2.4	2400
<i>Arlington, Virginia</i>																									
NWS Washington Natl	National Airport	58.0	37.4	47.7	83	27	20	6	0	1	10	44	NNW	6	3.19	1.79	16	7.87	8	1	1.9	1.8	7	9.1	2400
<i>Loudon, Virginia</i>																									
NWS Washington Dulles	Dulles Airport	58.1	34.6	46.4	83	27	11	8	0	2	15	43	WNW	5	2.93	1.56	16	7.58	8	1	3.1	1.9	7	14.5	2400
Shaffer, Lance	Sterling 4 N	57.9	36.6	47.3	83	27	16	8	0	1	14				3.52	2.47	15-16	7.60	8	1	3.8	2.3	16	19.8	2400
<i>Tucker, West Virginia</i>																									
Leshner, Dave	Davis 3 SE WV	46.9	28.2	37.6	71	27	5	7	0	8	18				5.70	0.76	2	19.71	17	0	33.8	8.0	18	165.8	0700
SECTION AVERAGE*		55.8	33.7	44.8											3.90		9.17				5.3			18.7	

NOTES:

M OR UNDERLINE = MISSING DATA DAYLIGHT TIME BEGAN ON THE 11th
 > = INCLUDED IN NEXT DAYS DATA
ITALIC = ESTIMATED DATA

*SECTIONAL AVERAGE DOES NOT INCLUDE DATA FROM WEST VIRGINIA.

**OBSERVERS FOR LAVALLE ARE DAVID DREWERY AND CHARLES ORLICK. DATA COMPILED BY NATE MULLINS.

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

GARY GALLAHER 8/11/07

**ACON MD / DE / DC
MARCH 2007 DAILY TEMPERATURES**

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG	OBS TIME			
BEAR 2 SW, DE GALLAHER	46	62	58	40	45	28	24	34	38	62	53	58	69	80	72	39	34	40	53	55	45	70	71	53	56	60	81	68	59	64	60	54.1	2400			
	28	32	26	32	24	18	15	6	20	23	31	24	32	41	39	27	26	27	19	36	28	41	53	47	37	33	50	48	39	29	38	31.3	EST/EDT			
WILMINGTON , DE NWS NEW CASTLE CO APT	48	62	59	40	45	28	25	33	37	63	54	57	62	76	74	40	34	39	52	55	45	71	71	54	57	56	83	70	61	65	60	54.1	2400			
	29	37	28	32	24	18	17	13	19	26	33	28	36	45	40	28	27	27	25	34	28	41	53	48	40	38	49	47	39	33	43	33.1	EST			
NEWARK AG FARM, DE U OF DE DEOS	47	61	59	38	44	27	23	34	40	63	52	59	71	80	72	39	33	40	50	54	47	70	69	53	58	60	82	69	59	66	61	54.2	2400			
	28	33	28	31	23	17	16	8.5	19	25	36	27	34	43	38	27	26	26	23	36	28	40	51	47	38	35	49	50	39	32	40	32.1	EST			
TOWNSEND 4 W, DE U of D DE Townsend Farm	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	70	72	M	M	M	M	2400			
	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	52	M	52	49	47	35	29	38	M	EST
GEORGETOWN, DE NWS SUSSEX CO APT	57	65	64	43	50	32	29	36	42	66	58	58	71	80	77	42	36	42	52	64	45	71	80	56	54	62	83	70	60	63	56	56.9	2400			
	28	37	34	32	28	20	18	8	23	28	39	26	36	49	42	31	29	28	24	39	33	43	51	46	36	32	57	43	39	33	36	33.8	EST			
GEORGETOWN, DE UofD RESEARCH & ED CTR	58	65	63	42	50	32	29	36	43	66	58	58	71	80	78	43	35	42	52	64	45	70	80	58	54	64	82	70	60	63	56	57.0	2400			
	29	40	35	32	28	20	13	5.6	22	28	39	26	36	49	43	31	29	30	23	41	33	43	52	46	37	33	55	43	37	30	36	33.8	EST			
HARBESON 8 S, DE UofD WARRINGTON FARM	57	64	62	41	49	M	29	35	38	M	M	M	M	70	M	76	42	35	41	50	63	43	69	78	54	52	60	81	68	58	63	52	55.0	2400		
	27	38	33	31	27	M	14	6	22	M	M	M	M	25	M	42	30	28	27	22	40	32	43	49	44	37	31	55	40	38	31	35	32.6	EST		
FROSTBURG LATTA	44	42	47	42	26	31	22	28	35	44	60	44	54	67	62	57	28	27	33	46	50	53	72	62	62	66	73	74	62	57	69	49.6	0700			
	24	24	32	19	19	5	6	7	9	17	31	25	26	42	50	28	19	17	15	16	27	27	35	48	42	40	39	51	31	30	29	26.8	EST/EDT			
LAVALE MULLINS**	45	56	50	35	35	28	32	38	50	59	59	69	75	68	56	33	35	36	43	61	62	76	62	59	75	67	80	68	67	77	66	55.5	2400			
	29	37	33	27	26	15	20	9	17	27	30	27	39	42	33	32	26	26	20	34	29	35	37	51	47	45	48	47	35	30	38	32.0	EST/EDT			
ANNAPOLIS 2 N BRYANT																																		2400		
																																			EST	
PASADENA 3 SW HANSON	51	64	61	40	49	32	28	37	42	63	58	57	69	82	78	40	34	43	55	61	44	76	77	55	60	59	83	71	61	68	61	56.7	2400			
	29	35	28	31	27	19	16	11	22	26	38	26	34	42	39	29	28	26	21	42	35	43	55	47	43	42	48	54	41	29	36	33.5	EST/EDT			
LOTHIAN JUG BAY	55	60	64	62	M	52	35	31	43	47	68	61	61	76	85	81	41	37	46	57	65	51	77	82	57	61	67	84	72	65	70	60.4	0900			
	28	45	29	32	M	20	24	8	20	26	41	26	36	46	53	39	29	30	21	40	37	37	51	53	42	41	45	61	42	27	36	35.5	EST/EDT			
BALTIMORE NWS BWI APT	50	62	58	40	49	31	27	38	42	66	57	59	73	83	75	39	34	42	55	60	43	75	76	55	59	64	82	70	61	66	59	56.5	2400			
	29	38	29	31	27	18	19	14	24	27	32	27	36	42	38	29	27	27	23	40	35	42	55	47	42	41	49	51	40	32	38	33.8	EST			
LAUREL 2 E STOUDT	51	62	59	40	50	32	31	38	46	66	58	60	73	82	75	39	34	43	55	61	45	74	76	57	63	65	82	73	63	69	59	57.5	2400			
	30	41	34	31	28	18	19	15	24	28	37	30	39	49	39	29	26	27	26	42	37	42	57	48	43	42	52	51	41	34	40	35.5	EST			
PARKTON 5SW KREINIK	46	58	55	40	44	29	27	34	38	61	54	58	70	80	68	35	31	38	46	54	46	74	68	51	60	58	80	67	57	66	61	53.4	2200			
	26	34	28	28	27	15	10	3	16	25	26	27	36	42	35	25	23	21	20	34	26	35	51	42	39	37	47	50	35	30	34	29.9	EST/EDT			
OWINGS MILLS 2SE SHARROW	48	59	57	39	43	30	29	35	39	62	54	58	69	79	69	38	32	39	48	57	41	74	70	54	62	62	79	67	58	66	62	54.2	2400			
	26	37	27	26	25	14	17	10	17	27	37	27	36	47	36	24	22	22	21	37	27	37	51	43	43	38	49	50	35	33	37	31.5	EST/EDT			
BALTIMORE 2SE MANFRE	52	64	61	44	50	33	29	39	44	64	59	58	70	85	76	41	38	45	57	62	46	78	76	57	62	60	86	72	63	68	62	58.1	1800			
	37	45	41	35	29	21	23	23	28	34	46	38	44	51	42	31	30	31	33	43	36	45	57	49	46	45	56	55	44	47	44	39.6	EST/EDT			
BALT INNER HARBOR MD SCIENCE CENTER	51	65	62	43	49	33	30	38	43	63	59	56	67	84	76	42	37	44	57	62	45	77	76	57	61	59	85	72	63	66	M	57.4	2400			
	37	45	41	35	29	21	23	23	28	34	46	38	44	50	41	31	30	31	33	43	36	45	57	49	46	45	56	55	44	47	M	39.4	EST			
MANCHESTER 1SW CLOSE	44	57	51	34	41	27	26	33	38	60	53	57	71	78	66	35	31	38	51	55	43	73	67	51	60	60	79	66	56	65	60	52.5	2300			
	29	37	34	27	22	11	13	11	18	30	36	32	41	52	35	24	20	19	26	35	28	36	50	42	43	37	56	46	33	36	45	32.4	EST/EDT			
WESTMINSTER 4 SSE HARTSOCK	49	54	54	39	42	32	32	31	38	62	53	60	70	80	70	37	33	36	48	54	49	74	70	54	57	62	77	68	53	61	60	53.5	2000			
	27	36	29	27	25	12	17	7	18	27	36	25	36	46	37	27	21	21	19	40	40	27	34	55	43	37	49	54	32	30	37	31.4	EST/EDT			
WESTMINSTER 5 SSE KLEIN	44	54	52	36	40	26	31	31	37	57	49	57	67	76	67	35	31	34	46	52	42	69	67	51	56	58	75	64	53	60	57	50.8	2200			
	29	35	35	26	24	13	17	12	20	28	37	31	38	48	36	24	21	21	23	36	29	35	50	42	40	37	50	48	32	34	42	32.0	EST/EDT			
MILLERS 4NE MILLER	44	55	49	43	39	31	24	32	37	60	55	57	71	78	68	37	31	37	45	52	49	73	69	55	60	59	78	69	59	64	62	53.0	1800			
	25	35	28	26	23	11	14	0	14	26	35	26	37	47	37	24	20	20	19	38	26	35	55	41	40	36	48	54	31	30	39	30.3	EST/EDT			
WESTMINSTER CITY MULLER								7																									M	1900		
																																	M	EST/EDT		
BRYANS ROAD 2 ESE BRUMBACK	57	66	62	41	54	35	30	43	47	69	62	60	74	82	80	41	36	45	58	66	44	76	78	58	65	68	85	73	65	70	66	59.9	2400			
	32	47	39	30	26	20	21	14	23	33	41	29	42	56	40	30	29	30	24	43	38	43	53	52	43	42	59	56	40	31	40	37.0	EST/EDT			
EMMITTSBURG 2 SE GLASS	45	47	58	52	37	43	29	25	35	42	60	54	59	74	79	63	34	33	38	51	56	44	73	67	67	61	64	82	64	58	66	53.5	0700			
	25	26	27	27	28	15	15	-4	-2	13	30																									

**ACON MD / DE / DC
MARCH 2007 DAILY TEMPERATURES**

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	AVG	OBS TIME	
FREDERICK 3 WNW LAWRENCE																																		2300 EST/EDT
EAGLE ROCK HARVEY	38	46	48	40	21	28	20	26	36	41	59	46	42	65	62	58	32	26	30	36	38	60	69	69	60	69	59	70	69	60	72	48.2	0800 EST	
LAUREL JHU / APL GIANNOLA	48	61	55	36	44	28	26	34	42	63	53	58	72	79	74	36	32	38	53	57	42	74	75	56	60	64	80	67	57	67	57	54.5	2400 EST/EDT	
POTOMAC 4N COHEN	51	63	55	42	47	34	30	38	56	66	57	59	75	81	74	41	34	41	55	60	44	76	74	61	66	65	82	70	62	70	63	57.8	2100 EST/EDT	
OLNEY 1 S GIANNOLA	50	60	56	39	46	31	30	36	44	64	57	59	72	80	76	38	33	40	52	60	43	75	>	>	73	64	81	72	61	67	63	55.9	2400 EST/EDT	
MONTGOMERY VILLAGE ROTH 1SW	50	61	55	38	45	30	30	36	44	65	56	59	74	79	73	39	34	41	56	59	45	75	72	57	64	66	80	71	60	66	61	56.1	2400 EST/EDT	
GLENMONT 1NNE ROSSEN	51	66	60	41	50	33	29	37	49	68	58	61	76	84	76	38	35	45	56	62	44	78	77	57	67	66	83	70	62	70	62	58.4	2400 EST	
BETHESDA SCAFIDE	51	62	57	39	47	30	29	37	45	65	57	58	73	82	76	38	34	41	55	60	44	76	76	58	63	65	81	70	60	67	61	56.6	2400 EST/EDT	
GAITHERSBURG 2WNW SHAW	49	60	55	38	46	32	31	39	47	67	57	61	76	79	73	37	34	42	54	60	44	75	71	56	67	65	81	71	63	70	63	56.9	2400 EST/EDT	
FOREST GLEN TERRY	52	66	60	41	51	36	30	42	48	68	62	62	76	83	79	39	36	46	57	65	44	78	79	58	68	67	84	74	66	71	64	59.7	2400 EST/EDT	
ROCKVILLE 1NE WASH GAS LIGHT	51	60	55	38	45	31	30	37	45	64	55	59	73	79	75	38	M	41	54	59	45	75	74	57	64	65	79	67	58	66	60	56.6	2400 EST/EDT	
OXON HILL SMITH	56	65	62	44	53	35	30	42	49	69	61	63	76	82	79	43	37	45	59	65	45	77	80	60	64	69	84	73	64	69	64	60.1	2300 EST/EDT	
HOLLYWOOD ABELL	56	68	65	44	56	36	32	43	47	68	61	58	73	81	81	42	38	46	58	68	46	74	83	58	62	66	85	70	61	67	65	59.9	2359 EST/EDT	
RIDGE ZYLA	52	67	66	46	56	37	33	39	42	65	59	52	69	79	80	45	43	47	55	64	45	73	80	58	61	62	84	70	60	62	67	58.6	2400 EST/EDT	
SMITHSBURG 1.5 SW HUTTO	50	58	50	35	41	27	28	39	45	61	52	60	76	76	66	36	33	39	50	55	47	75	66	52	65	66	80	68	60	68	65	54.5	2400 EST/EDT	
HAGERSTOWN 1E KEEFER	47	58	49	35	41	28	24	35	43	60	54	59	76	75	66	35	33	39	48	56	44	75	66	51	65	64	81	67	60	66	61	53.6	2400 EST/EDT	
SMITHSBURG 2 NE VAUGHN	47	56	49	35	40	26	25	26	43	60	50	57	73	74	68	36	32	36	52	52	44	73	65	52	61	63	79	68	57	64	61	52.4	2400 EST/EDT	
SALISBURY NWS WICOMICO CO APT	57	65	64	42	51	33	30	38	44	65	58	58	70	77	79	42	38	43	52	65	47	70	79	61	56	61	83	71	61	62	60	57.5	2400 EST	
WASH NATIONAL NWS ASOS	56	64	60	41	52	33	29	40	46	67	59	58	71	81	75	41	36	44	56	63	44	75	78	57	63	65	83	72	63	65	62	58.0	2400 EST	
WASH DULLES NWS ASOS	54	62	57	39	50	32	30	41	46	66	59	61	76	82	77	39	36	42	55	61	45	75	76	57	66	68	83	72	62	67	64	58.1	2400 EST	
STERLING 4 N SHAFFER	51	63	58	39	51	33	31	42	46	65	59	61	75	79	73	39	36	43	54	62	45	76	74	55	67	66	83	74	64	67	64	57.9	2400 EST/EDT	
DAVIS 3 SE WV LESHER	43	49	42	35	17	25	27	28	31	51	56	43	50	57	55	51	29	19	22	44	47	58	64	61	57	67	71	69	64	55	67	46.9	0700 EST/EDT	

ACON MD / DE / DC
MARCH 2007 DAILY PRECIPITATION

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	OBS TIME	
BEAR 2 SW, DE GALLAHER	0.19	1.31	T	T			0.10			T	0.05			T	0.42	2.32	T		T			0.17	0.23	0.13							4.92	2400		
							1.3									2.4	0.1															3.8	EST/EDT	
WILMINGTON , DE NWS NEW CASTLE CO APT	0.13	1.33		T			0.10			0.01	0.02			T	0.39	2.10	T		T			0.20	0.26	0.07								4.61	2400	
				T			1.3		T							2.4	0.1															3.8	EST	
NEWARK AG FARM, DE U OF DE DEOS	0.24	1.29					0.13			0.02	0.02				0.43	2.51						0.26	0.36	0.09								5.35	2400	
																																	2400	
TOWNSEND 4 W, DE U of D DE Townsend Farm	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0.11		M	M							0.11	2400	
																																	2400	
GEORGETOWN, DE NWS SUSSEX CO APT	0.02	0.45					0.20				0.01			T	0.23	2.27						T	0.01	0.02								3.21	2400	
																																-	EST	
GEORGETOWN, DE UofD RESEARCH & ED CTR		0.43					0.12			0.10					0.20	2.20																	3.05	2400
																																	2400	
HARBESON 8 S, DE UofD WARRINGTON FARM	0.06	0.41						0.17							0.09	2.02						0.01	0.01	0.01								2.78	2400	
																																0.0	EST	
FROSTBURG LATTA		0.69		0.10	T	0.10	0.21	0.30							T	0.47	0.75	T		0.19			0.04	1.03	0.16		T	0.15				4.19	0700	
			1.5	0.6	2.5	4.1	4.9									2.3	5.5	0.1														21.5	EST/EDT	
LAVALE MULLINS**	0.54	0.35	0.02	T	0.03		0.49			0.02	0.01			0.01	0.14	1.13	0.01		0.10			T	0.36	0.64			0.07	0.01				3.93	2400	
			0.2	T	0.5		8.3									6.8	0.2															16.0	EST/EDT	
ANNAPOLIS 2 N BRYANT																																		2400
																																	EST/EDT	
PASADENA 3 SW HANSON	0.24	0.59					0.03	0.04		0.10	0.06				0.42	1.68	0.09	0.17	0.09			0.03	0.15	0.16								3.85	2400	
																0.5																	0.5	EST/EDT
LOTHIAN JUG BAY	T	0.69	T				0.03			0.08						0.87	1.69	T						0.04	0.01							3.41	0900	
								1.4																									1.4	EST/EDT
BWI NWS ASOS	0.22	0.68					0.08			0.10	0.04				0.59	2.14	T		T	T		0.02	0.15	0.15								4.17	2400	
							0.8									0.6	T															1.4	EST	
LAUREL 2 E STOUDT	0.28	0.73					0.11			0.12	0.05				0.60	2.18			0.01			0.01	0.09	0.07			0.03					4.28	2400	
							1.0									0.9																	1.9	EST
PARKTON 5SW KREINK	T	1.10	T				0.21			0.12					T	1.51	0.21	T					0.35	0.41								3.91	2200	
							2.5									2.4	2.0																6.9	EST/EDT
OWINGS MILLS 2SE SHARROW	0.14	0.71					0.13			0.12				T	0.20	2.10	T					0.04	0.27	0.28			T	T				3.99	2400	
							2.0									2.0	T																4.0	EST/EDT
BALTIMORE 2SE MANFRE	0.18	0.71					0.09			0.11					0.56	1.85			T		0.04	0.14	0.21				0.32	0.01				4.22	1800	
							1.9									0.9																	2.8	EST/EDT
BALT INNER HARBOR MD SCIENCE CENTER	0.15	0.80					0.13			0.12	0.01				0.54	1.94						0.02	0.11	0.20			0.23				M	4.25	2400	
																																-	EST	
MANCHESTER 1SW CLOSE	0.27	0.88	T	T	T		0.26			0.20					0.46	1.98	T		T	T		0.11	0.38	0.39	0.01	T	0.08				T	5.02	2300	
				T	T		3.0									5.5	T																8.5	EST/EDT
WESTMINSTER 4 SSE HARTSOCK		1.36					0.18			0.19					0.18	2.00	0.06		0.01			T	0.28	0.43	0.02		0.03	0.03				4.77	2000	
							2.0									2.5																	4.5	EST/EDT
WESTMINSTER 5 SSE KLEIN	0.20	0.93					0.14			0.15					0.33	2.12			0.01			0.09	0.30	0.31			0.02					4.60	2200	
							3.0									4.5																	7.5	EST/EDT
MILLERS 4NE MILLER	T	1.25	0.01		T		0.25			T	0.21				0.25	1.77	0.24	T	0.01	T			0.32	0.47	0.02		T	T				4.80	1800	
			T		T		2.7									2.7	2.2	T															7.6	EST/EDT
WESTMINSTER CITY MULLER	0.01	0.91					0.28			T	0.19				0.41	1.95	0.10		0.02	T		T	0.37	0.36			0.05	T				4.65	1900	
							3.0									2.8	1.0																6.8	EST/EDT
BRYANS ROAD 2 ESE BRUMBACK	0.14	0.54					0.12			0.01	0.05				0.62	1.91								0.01									3.40	2400
							1.5																										1.5	EST/EDT
EMMITTSBURG 2 SE GLASS		1.70					0.25	0.50		0.20					0.04	0.50	0.90						0.04	0.57	0.12		0.07		0.08			4.97	0700	
							1.3	3.0									9.0																13.3	EST/EDT

ACON MD / DE / DC
MARCH 2007 DAILY PRECIPITATION

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	OBS TIME	
FREDERICK 3 WNW LAWRENCE																																2300 EST/EDT		
EAGLE ROCK HARVEY		0.78	0.10	0.28	0.03	0.02	0.35	0.40							0.20	0.70	0.50	0.12		0.21			0.05	0.57				0.02			4.33 24.5	0800 EST		
LAUREL JHU / APL GIANNOLA	0.20	0.78					0.09			0.11	0.01				0.39	1.87						0.01	0.16	0.10			0.06				3.78 1.6	2400 EST/EDT		
POTOMAC 4N COHEN	0.10	0.62		T			0.08				0.18				0.43	1.95			T			T	0.03	0.07							3.46 1.6	2100 EST/EDT		
OLNEY 1 S GIANNOLA	>	0.90					0.09			0.12				T	>	2.33			T			0.05	>	0.19						T	3.68 2.0	2400 EST/EDT		
MONTGOMERY VILLAGE ROTH 1SW	0.27	0.45					0.08			0.08	0.08				0.40	1.73										0.26						3.35 0.8	2400 EST/EDT	
GLENMONT 1NNE ROSSEN	0.23	0.50					0.07			0.18	T				0.52	1.91	T		T	T			T	0.01	0.05							3.47 1.3	2400 EST	
BETHESDA SCAFIDE	0.25	0.31					0.03			0.10	0.01				0.48	1.73								0.06								2.97 -	2400 EST/EDT	
GAITHERSBURG 2WNW SHAW	0.20	0.50					0.08			0.13				T	0.30	1.71	T		T			0.03	0.06	0.10			0.03			T		3.14 2.9	2400 EST/EDT	
FOREST GLEN TERRY	0.24	0.58					0.09			0.16	0.02			T	0.68	2.04			0.01			T	0.01	0.05			0.01					3.89 1.9	2400 EST/EDT	
ROCKVILLE 1NE WASH GAS LIGHT	0.20	0.44					0.05			0.12					0.28	1.79	M					0.01	0.01	0.06	T		T					2.96 1.3	2400 EST/EDT	
OXON HILL SMITH	0.15	0.55					0.16			0.01	0.12			T	0.44	2.25			T			T	T	0.07								3.75 2.0	2300 EST/EDT	
HOLLYWOOD ABELL	0.06	0.28					0.02				T				0.55	2.50	T							0.01									3.42 0.3	2359 EST/EDT
RIDGE ZYLA	0.05	0.28					0.03							0.04	2.38	T					T		0.01	T	0.01								2.80 0.2	2400 EST/EDT
SMITHSBURG 1.5 SW HUTTO	0.52	1.13		0.1	T		0.33			0.18				T	0.30	1.04						0.12	0.38	0.27		0.01		0.02					4.30 11.4	2400 EST/EDT
HAGERSTOWN 1E KEEFER	0.54	0.96	T	0.01	T		0.31			0.21				0.02	0.33	1.04	T		0.02			0.12	0.51	0.49		0.02							4.58 12.0	2400 EST/EDT
SMITHSBURG 2 NE VAUGHN	0.49	0.96	0.01	T	0.01		0.38			0.20	0.01				0.30	1.07	0.01		0.02			0.14	0.38	0.29	0.01	0.07	0.01	0.05					4.41 11.6	2400 EST/EDT
SALISBURY NWS WICOMICO CO APT	0.04	0.56					0.10				T				0.55	2.25	T					T	T							T		3.50 1.0	2400 EST	
WASH NATIONAL NWS ASOS	0.19	0.57					0.15			0.04	0.05			T	0.36	1.79	T		T		T	T	T	0.04									3.19 1.9	2400 EST
WASH DULLES NWS ASOS	0.17	0.50					0.12			0.06	0.01			T	0.45	1.56	T		T			T	T	0.06									2.93 3.1	2400 EST
STERLING 4 N SHAFFER	0.14	0.50					0.12			0.11	T				>	2.47			T			0.04	0.01	0.13	T								3.52 3.8	2400 EST/EDT
DAVIS 3 SE WV LESHER		0.76	0.10	0.48	0.16	0.01	0.24	0.59			0.35			T	0.31	0.65	0.59	0.38	T	0.26			0.20	0.21	0.28				0.13				5.70 33.8	0700 EST/EDT