

Northeast Regional Climate Center

Mid-Atlantic Climate

CONTENTS



CLIMATE DIVISION MAPS.....	1
JANUARY WEATHER HIGHLIGHTS	2
DAILY AVERAGE TEMPERATURES AND THE 30-YEAR NORMAL.....	6
MONTHLY TEMPERATURE MAPS.....	8
MONTHLY PRECIPITATION MAPS	9
MONTHLY SNOWFALL MAPS.....	10
PRELIMINARY MONTHLY SUMMARIZED DATA JANUARY 2013.....	11
PRELIMINARY MONTHLY DEGREE DATA JANUARY 2013.....	13

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CLIMATE DIVISION MAPS



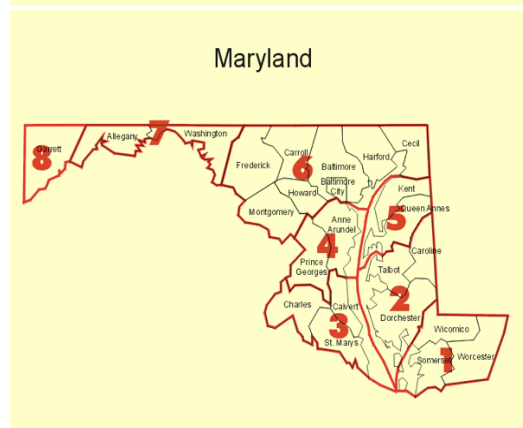
New Jersey Climate Divisions

- 1 Northern
- 2 Southern
- 3 Coastal



Delaware Climate Divisions

- 1 Northern
- 2 Southern



Maryland Climate Divisions

- 1 Southern Eastern Shore
- 2 Central Eastern Shore
- 3 Lower Southern
- 4 Upper Southern
- 5 Northern Eastern Shore
- 6 Northern Central
- 7 Appalachian Mountain
- 8 Allegheny Plateau

JANUARY WEATHER HIGHLIGHTS

The warm temperatures of 2012 continued into 2013 in the Mid-Atlantic. January's average temperature of 35.3 degrees was 2.9 degrees above average (26th warmest on record), but 1.3 degrees cooler than January 2012. All states and their divisions were warmer than normal with the month ranking in the top 31 warmest for each. Departures for the states were: New Jersey, +2.4 degrees (27th warmest); Delaware, + 2.6 degrees (31st warmest); and Maryland, +3.3 degrees (25th warmest). Maryland was the site of both the warmest and coolest temperatures of the region. Salisbury reached 75 degrees on the 30th while Oakland dropped to -1 degree on the 25th.

Preliminary data indicates that the Mid-Atlantic was neither above nor below normal for January precipitation: receiving 3.34 inches, it was 100 percent of normal. The states and their divisions were split, however. Maryland's divisions were a mix of wet and dry, but overall the state ended the month at 117 percent of normal precipitation. With one wet division and one dry, Delaware ended January at 79 percent of normal precipitation. New Jersey and its 3 divisions were all drier than normal. The state received 83 percent of normal precipitation. Maryland was the site of the greatest monthly and daily rainfall. Conowingo Dam received 6.17 inches of precipitation during January while Frederick received 3.56 inches on the 31st. Oakland, also in Maryland, had the greatest monthly snowfall, 12.9 inches, while Sussex, NJ, had the greatest daily snowfall, 4.2 inches, which fell on the 16th.

Arctic air settled into the Northeast from the 22nd through the 25th with temperatures 15 to 20 degrees below average. A powerful low pressure system moved through from the 30th to the 31st. In advance of the low, warm southerly air helped 3 Mid-Atlantic climate sites set record high temperatures. As the system advanced, sustained winds as high as 45 mph with gusts as high as 63 mph brought down trees and power lines. Heavy rain (6.12 inches fell in Damascus, MD) caused flash flooding with road closures, water rescues, mudslides reported.

Daily Maximum Temperature Records (°F)

<u>Station</u>	<u>Date</u>	<u>New</u>	<u>Previous</u>
Newark, NJ	30	66	64 in 1947
Wilmington, DE	30	70	68 in 1947
Washington Dulles, DC	30	72	70 in 2002
Wilmington, DE	31	65	65 in 1947

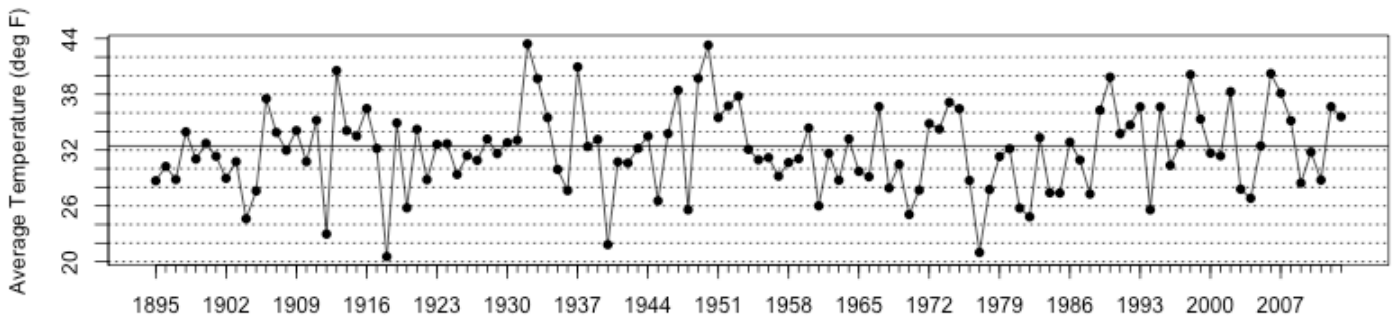
Daily High Minimum Temperature Records (°F)

<u>Station</u>	<u>Date</u>	<u>New</u>	<u>Previous</u>
Washington Dulles, DC	12	41	40 in 2012
Washington National, DC	30	52	52 in 2002
Washington Dulles, DC	30	56	54 in 2002

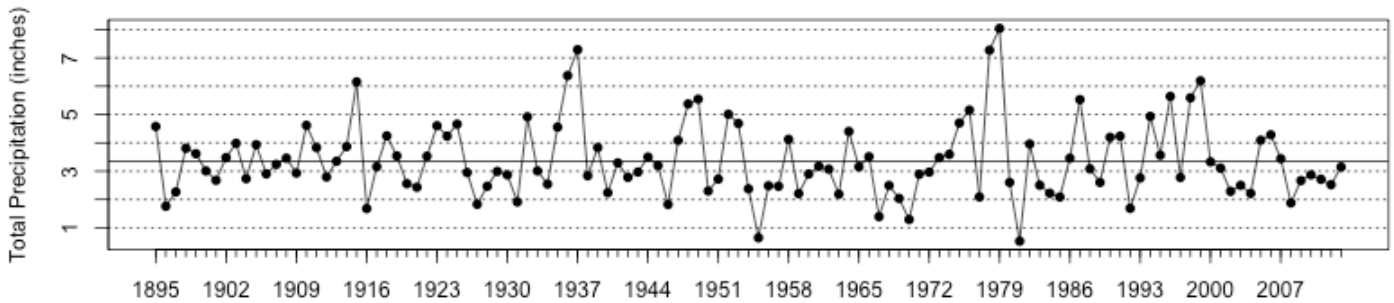
Daily Precipitation Records (inches)

<u>Station</u>	<u>Date</u>	<u>New</u>	<u>Previous</u>
Washington Dulles, DC	30	2.00	0.63 in 2000

Mid Atlantic Average January Temperatures



Mid Atlantic January Precipitation Totals



The 2013 values depicted on these graphs are based on preliminary data.

A Mild Start to the Year, Despite One Frigid Week: January 2013 Report

Dr. David A. Robinson, New Jersey State Climatologist
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By mid-winter standards, January 2013 was not an exceedingly memorable one in the New Jersey weather and climate annals. But like every month, there were certainly events worthy of mention. This included the state's coldest week since 2007 and a surge of warmth late in the month that was broken by a squall line with strong winds and heavy rain.

Statewide, the January temperature averaged 33.7°, which is 2.5° above average. This ranks as the 27th mildest January since 1895 (119 years). Of the past 24 months, only one (November 2012) has averaged below normal. Going back a bit further, since March 2010, 30 of the past 35 months have been above average, one month was exactly average, and four months were below average.

The first three weeks of the month were mostly on the mild side. On five of the first 20 days, one or more station topped out at 55° or higher. Cape May Courthouse (Cape May County) got to 59° on the 9th, when Woodbine (Cape May) and Egg Harbor Township (Atlantic) reached 57°. Greenwich (Cumberland) was 55° on the 12th and Berkeley Township (Ocean) 56° on the 13th. The 14th saw Egg Harbor Township at 60°, eight other stations in the 54 station [NJ Weather and Climate Network](#) reach 59° and nine at 58°. Five stations reached 58° and seven got to 57° on the 20th.

The last three days of January saw mild conditions return, with 59° highs at Cape May Courthouse, Woodbine, and Piney Hollow (Gloucester) on the 29th. The 30th brought unusual warmth, with South Harrison (Gloucester) up to 69°, eight stations at 68°, and eight at 67°. Only the far northeast and coastal stations failed to get into the warmth. Ramsey (Bergen) at 51° and Hawthorne (Passaic) 53° represent the former, while the coast stayed in the low to mid 50s. Mild conditions persisted into the early morning of the 31st, prior to a cold front barreling through the state by dawn. Before the front arrived, daily highs of 65° were recorded at Greenwich and Mansfield (Burlington), with 33 other stations between 60° and 64°. Even Hawthorne warmed to 62° and Ramsey to 59° in the overnight hours.

Cold air was to be found on occasion during January, with one or more stations falling under 10° on eight days. On only three days (12th, 13th, and 30th) did temperatures continually remain above freezing at every station in the state. On the opposite end of the spectrum, for five consecutive days (22nd-26th) the thermometer failed to top 31° at any location. This was the longest cold spell since early February 2007. It was made all the more impressive by the fact that cold-enhancing snow cover was mostly absent from all but the northwest portion of the state during this week.

Walpack (Sussex) fell to 6° on the 2nd, with High Point (Sussex) at 12° the next coldest location. Walpack and Wantage (Sussex) reached 6° on the 3rd, with High Point down to 7° (the High Point Monument station was out of service on both of these days). Sub-10° cold did not return until the 22nd, when High Point Monument bottomed out at 2°, High Point 3°, and eight other stations between 4°-9°. The next two mornings were the coldest of the month and the season thus far. Berkeley Township (Ocean) in the Pinelands dropped to -3° on the 23rd, followed by -1° at the two High Point stations and at Walpack. 31 other stations were between 0° and 9°, with West Cape May (Cape May) the "warmest" location at 17°. West Cape May had the same minimum on the 24th, when Walpack fell to -4°, Berkeley Township and High Point Monument -2°, and High Point -1°. 30 stations were between 0° and 9°. Kingwood (Hunterdon) bottomed out at 1° on the 25th, with 3° at Walpack and High Point Monument. Walpack was -1° on the 26th, Cream Ridge (Monmouth) and Pequest (Warren) 1°, with 30 other stations between 2° and 9°. Walpack fell to 0° on the 27th, with Berkeley Township and Pequest at 1°.

January 2013 precipitation (rain and melted snow/sleet) averaged 2.79" across NJ. This is 0.69" below average and ties with 1934 as the 42nd driest January on record. The most precipitation was observed in the Gloucester-Atlantic counties area of the south and in Warren and Passaic counties in the north. Washington Township (Gloucester) led the way with 4.44", followed by Linwood (Atlantic) at 4.27", Franklin Township (Gloucester) 4.18", White Township (Warren) 3.97", Blairstown (Warren) 3.89", and Ringwood (Passaic) 3.87". The south coast and the southern Morris/Union area came in on the low side. Long Hill Township (Morris) received 2.07", New Providence (Union) 2.18", Sea Isle City (Cape May) 2.19", Egg Harbor Township (Atlantic) 2.30", and both Little Egg Harbor Township (Ocean) and Middle Township (Cape May) 2.31".

Snowfall was relative meager in January, particularly in central areas. On average, 2.2" fell statewide. This is 4.9" below normal and ranks as the 22nd least snowy on record and the least snowy January since 2008 and second least since 1998. The north averaged 2.7", central NJ 1.1", and the south 2.5".

There were four events during January that brought an inch or more of precipitation to one or more locations and three depositing 2.0 or more inches of snow at multiple locations. During the PM hours of the 11th as much as 1.06" of rain fell in Belmar (Monmouth), 0.86" in Medford (Burlington), and 0.85" at Tabernacle (Burlington). The most rain fell in a northeast trajectory from the southwest to the northern coast, with only a few tenths of an inch in the far south and northwest. A few days later, rain from late on the 14th to early on the 15th fell most heavily on a northeast trajectory from Cumberland County to the central coast. Berkeley Township received the most with 1.34", Lavallette (Ocean) 1.25", and Hammonton (Atlantic) 1.05". Little or no rain fell in the northwest.

Late on the 15th through the first half of the 16th saw the southwest receive the most precipitation, with 1.47" in Washington Township (Gloucester) and 1.44" at Woodland Township (Burlington). Central and southern locations generally saw more than 0.75". Meanwhile, snow, sleet, and freezing rain fell in the north and snow, sleet, and mostly rain in central areas. The Piedmont reaches saw several tenths of an inch of snow and sleet, while more than an inch accumulated in northern portions of Warren, Morris, Passaic, and Bergen counties and throughout Sussex County. Top totals within these counties included Lafayette (Sussex) 4.8", Blairstown (Warren) 4.5", Wanaque (Passaic) and Oakland (Bergen) 3.8", and Butler (Morris) 3.5".

Scattered snow squalls crossed the state on the evening of the 21st, ushering in the coldest air of the season. Mostly under an inch of snow fell, and it was accompanied by lightning and thunder in Woodbine and Upper Township (Cape May). Most 1.0" totals were confined to Monmouth and Ocean counties, where Toms River (Ocean) caught 2.5" and Cheesequake (Monmouth) 2.0". The evening of the 25th saw scattered reports of 1.0"-2.0" of snow in the southern half of the state, with a few tenths elsewhere. A maximum of 2.5" was measured at Delran and Moorestown in Burlington County, as well as at Pennsauken (Camden) and Newport (Cumberland).

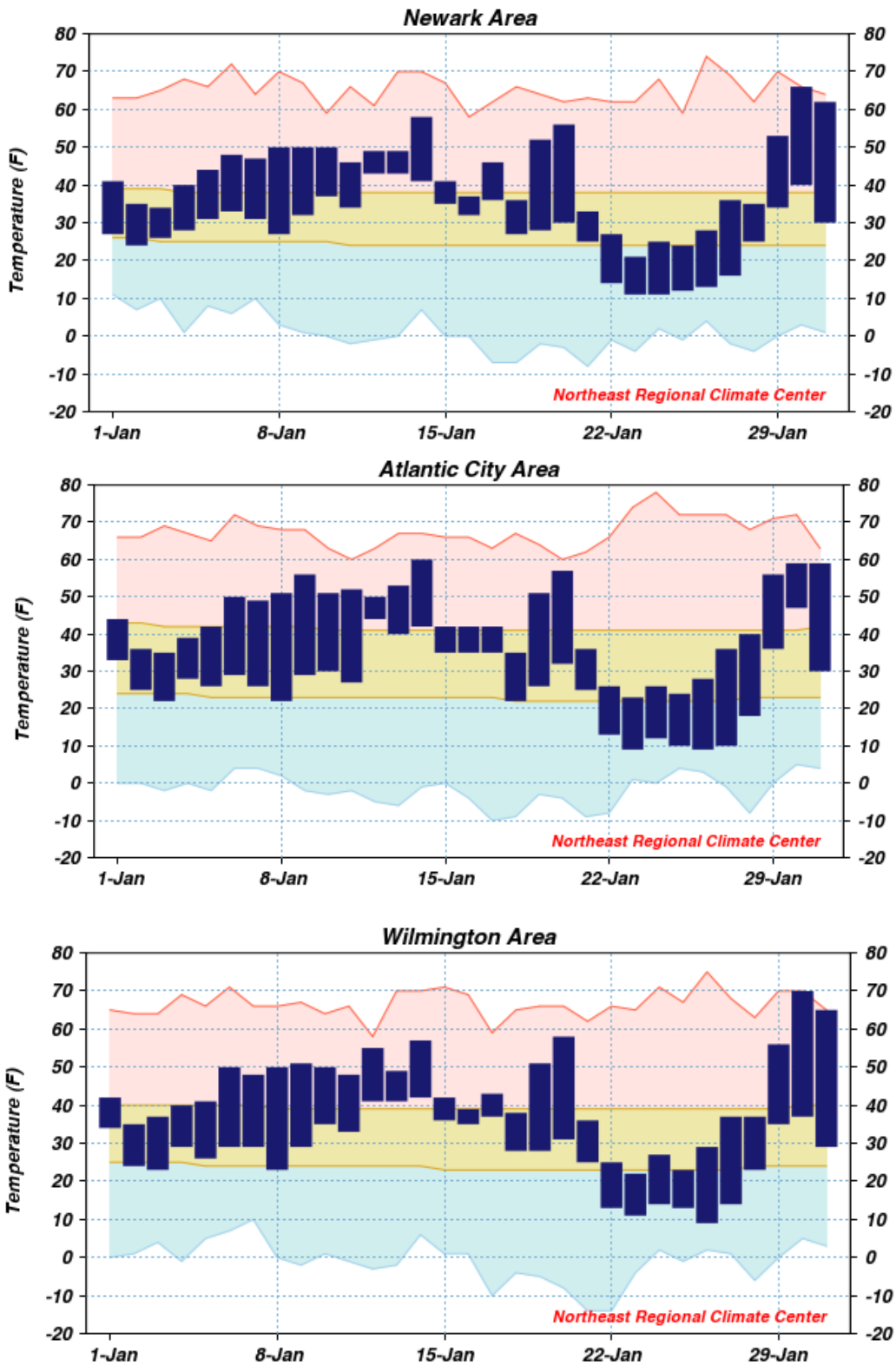
The last rain event of the month was the largest. A frontal system swept into the state late on the 30th and was through by dawn on the 31st. Of approximately 200 CoCoRaHS observers who reported event totals, 15 measured more than 2.00". This included totals of 2.69", 2.60" and 2.31" by three Blairstown (Warren) observers, 2.44" in White Township (Warren), and 2.35" at Liberty Township (Warren). The far northwest generally received from 1.50"-2.50", while 0.80" to 1.50" fell southeast of there to about the NJ Turnpike (including extreme southwest NJ), with totals gradually decreasing from there down to about 0.20" along the south coast. This event included an intense squall line of heavy rain and strong wind (without reports of lightning) that raced across NJ from west to east between 3 and 4 AM. This storm brought down trees and branches that contributed to as many as 50,000 customers temporarily losing power (see last paragraph below for observed gusts), and caused some localized flash flooding, in part due to the mostly frozen ground.

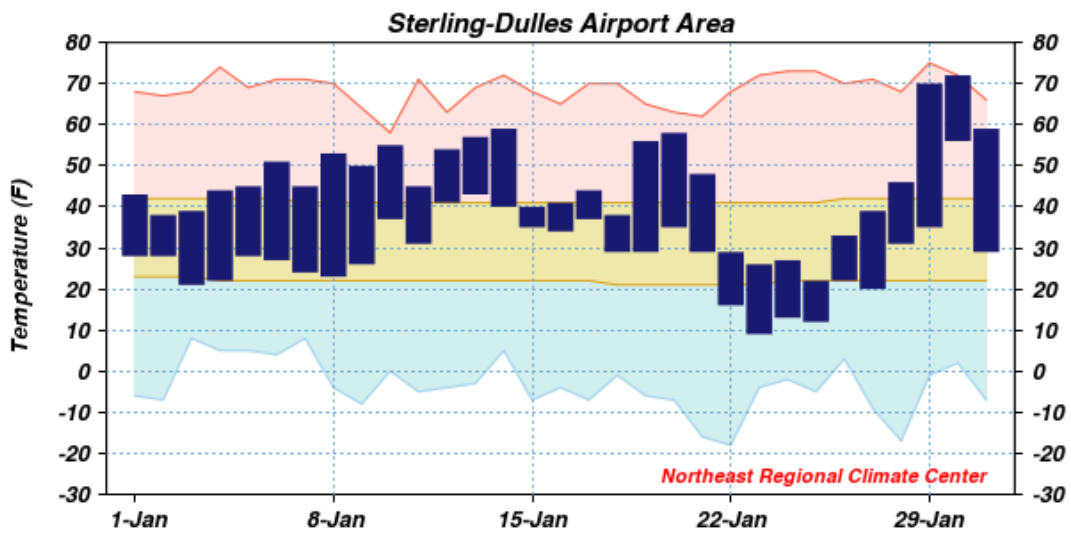
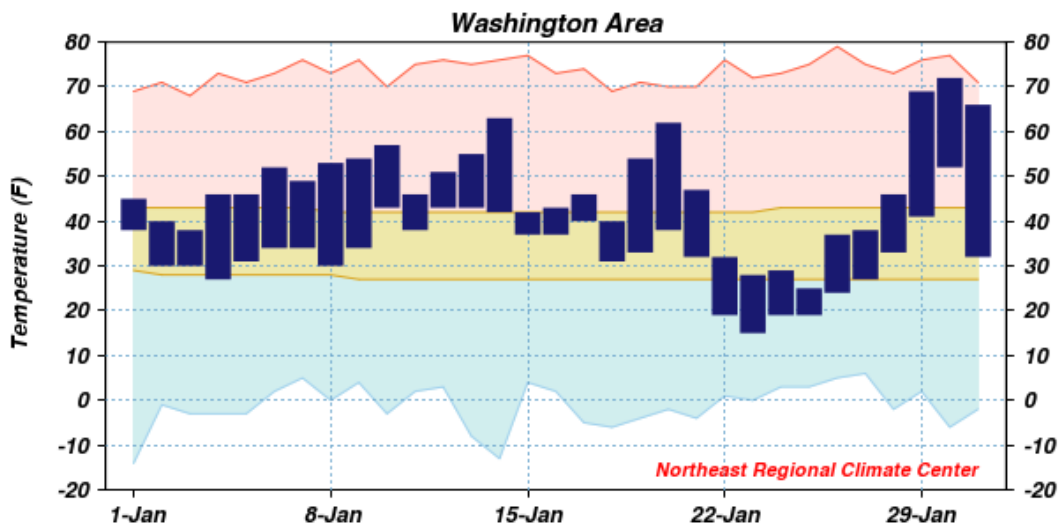
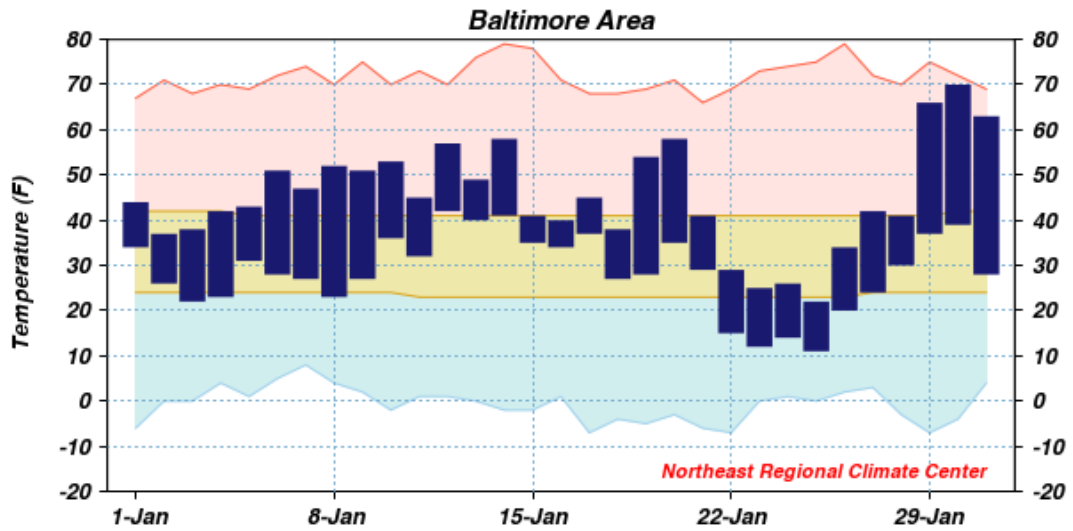
Barometric pressure was quite high during the bulk of January. Readings exceeding 30.50" were observed on six days, with the pressure highest on the 27th when 30.55"-30.58" readings were common. The storm on the 31st dropped pressures to impressively low values of between 29.00" and 29.05".

Fog was particularly widespread on the 13th and the morning of the 30th, resulting in airline delays and dangerous conditions on the roads.

It was not a particularly windy month, though many might feel otherwise given that the most persistent windy conditions were on the coldest days. On seven days at least one location gusted to 40 mph or greater. This included a 40 mph gust on the 14th at perennially windy High Point Monument. On the 20th, Charlotteburg (Passaic) reached 45 mph, High Point Monument 44 mph, Pittstown (Hunterdon) 42 mph, and Sea Girt (Monmouth) 41 mph. The 22nd saw a gust to 41 mph at High Point Monument. The Monument station gusted to 51 mph on the 24th, when the high temperature was a bone chilling 13° and the low -2°. The next windiest station that day was Wantage (Sussex) at 37 mph. The Monument gusted to 43 mph on the 25th. The 30th brought gusts to 53 mph at Berkeley Township (Ocean) and Woodbine (Cape May). The windiest day of January was the 31st when the squall line and, later in the day, post frontal winds gusted to 63 mph at Sandy Hook (Monmouth), 59 mph in Tuckerton (Ocean), 57 mph at Woodbine and Berkeley Township and 55 mph at Oswego Lake (Burlington). Eight other NJWxNet stations saw gusts between 50-54 mph, 21 from 40-48 mph, 18 from 30-39 mph and the sheltered site in Cherry Hill (Camden) reaching 28 mph.

DAILY AVERAGE TEMPERATURES AND THE 30-YEAR NORMAL



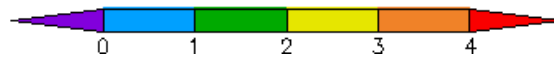
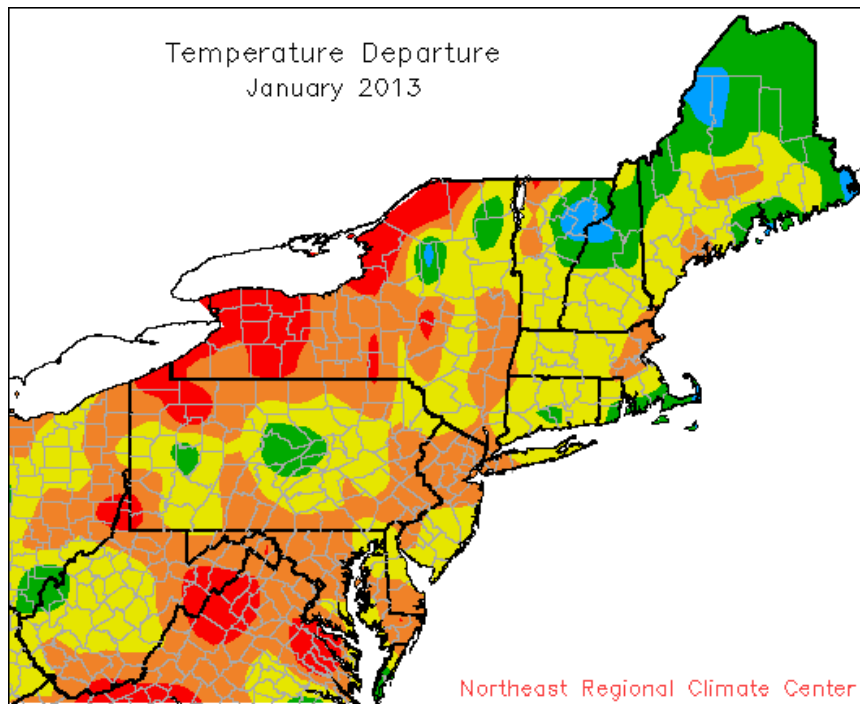
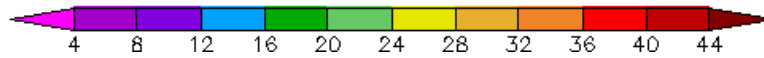
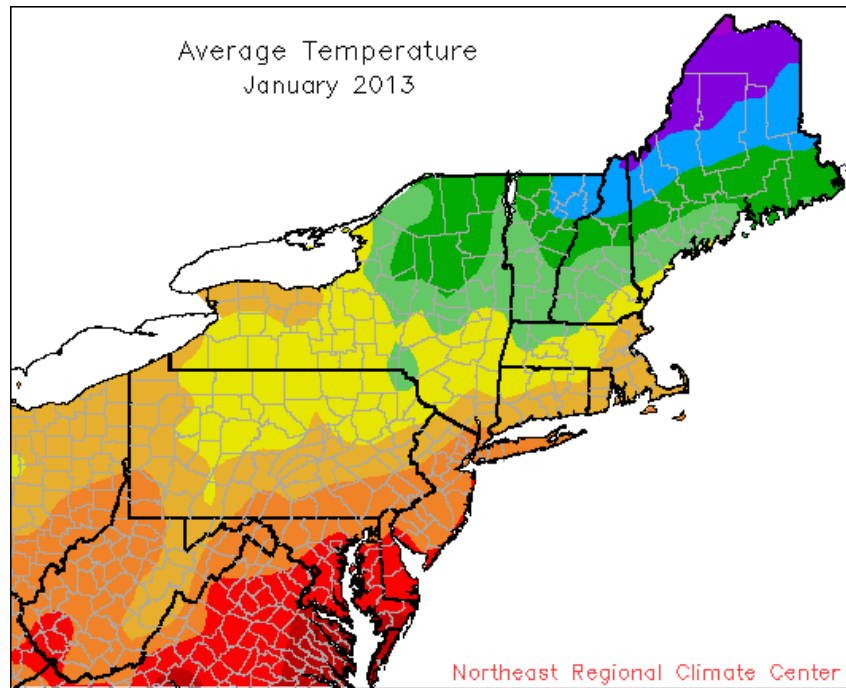


Area between normal max and min temperatures has tan shading.

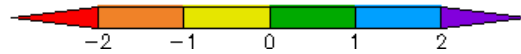
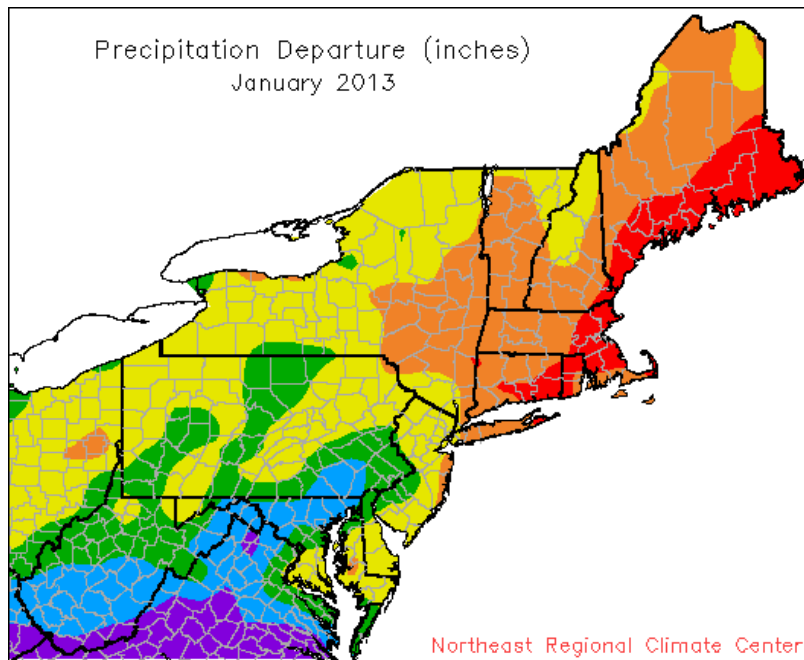
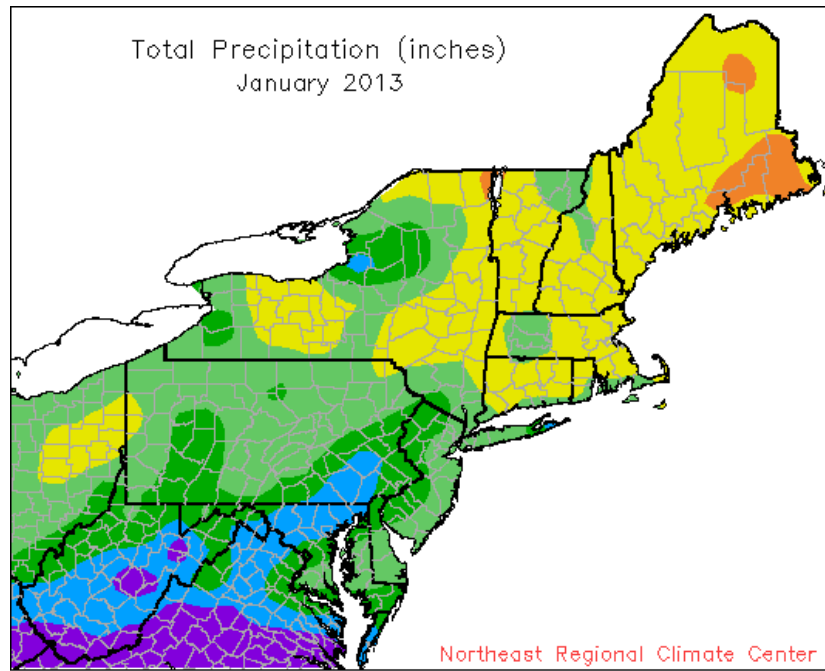
Red line connects record high temperatures.

Light blue line connects record low temperatures.

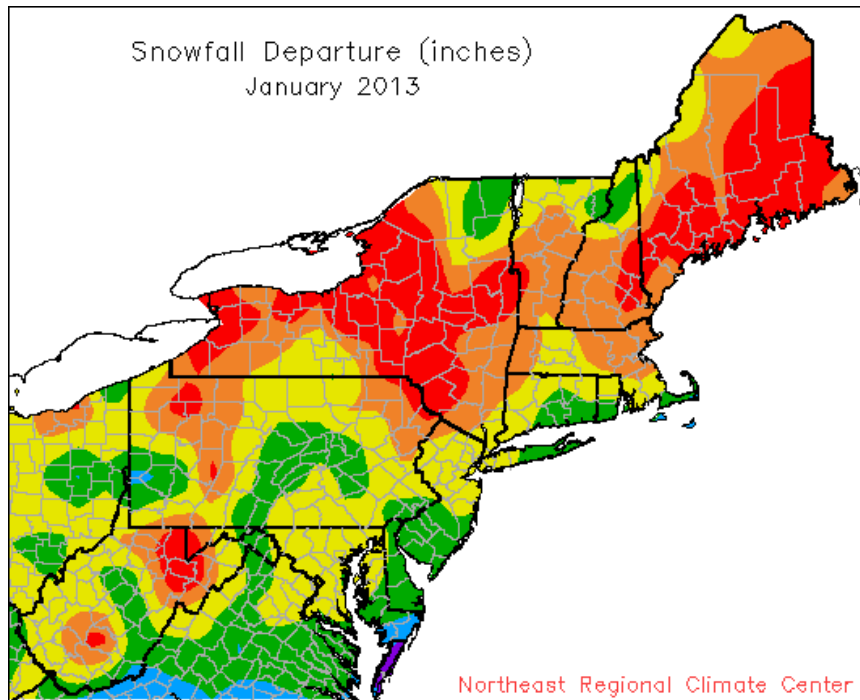
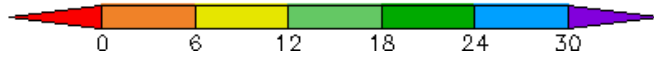
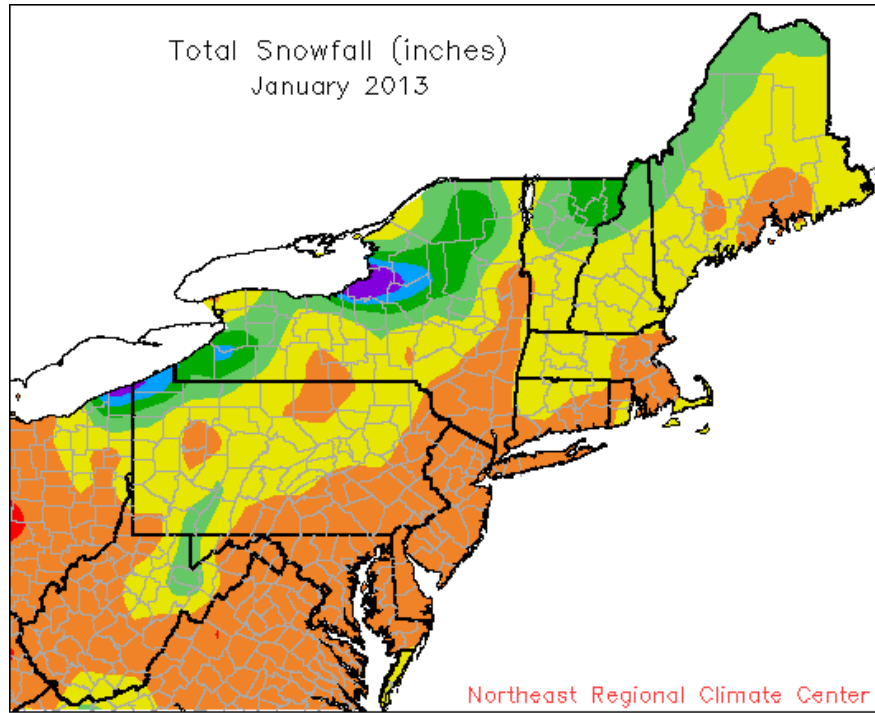
MONTHLY TEMPERATURE MAPS



MONTHLY PRECIPITATION MAPS



MONTHLY SNOWFALL MAPS



PRELIMINARY MONTHLY SUMMARIZED DATA JANUARY 2013

STATION	TEMPERATURE (F)									PRECIPITATION (INCHES)										
	MONTHLY AVERAGES				EXTREMES		NUMBER OF DAYS				MONTHLY TOTALS			EXTREMES		SNOWFALL				
	AVG MAX	AVG MIN	MON AVG	DEPRT	MON MAX	DAY MIN	MON MAX	DAY MIN	MAX 50+	MIN 32-	32- 32-	0- 0-	MON TOT	DEPRT	DAYS 0.1+	DLY MAX	DAY MAX	MON TOT	DLY MAX	
-DE: NORTHERN-																				
WILMINGTON NEW CAS	43.6	27.6	35.6	3.2	70	30	9	26	11	5	20	0	3.70	0.69	7	0.82	16	2.2	1.1	21
WILMINGTON PORTER R	41.0	28.1	34.5	2.7	66	30	10	23	6	5	21	0	4.02	0.31	7	0.97	16	1.1	0.9	6
-DIVISION-			35.1	2.8									3.86	0.56				1.7		
-DE: SOUTHERN-																				
DOVER	45.6	29.9	37.7	2.5	70	30	10	26	14	5	17	0	2.40	-1.01	4	0.79	16			
-DIVISION-			37.7	2.5									2.40	-1.07						
-STATE-			37.1	2.6									2.72	-0.71				0.4		
-MD: SOUTHEASTERN-																				
SALISBURY WICOMICO	49.9	30.2	40.1	4.7	75	30	8	25	14	4	18	0	3.00	-0.61	7	0.87	17	2.8	1.3	24
SNOW HILL 4 N	50.0	29.4	39.7	2.4	71	30+	4	25	16	3	18	0	2.76	-0.81	5	0.55	15			
SALISBURY 2N	48.8	30.7	39.8		73	30	11	25	16	3	18	0	3.53		9	0.73	17			
-DIVISION-			39.9	3.5									3.10	-0.47				2.8		
-MD: CENTRAL EAST-																				
ROYAL OAK 2 SSW	47.2	30.8	39.0	2.7	66	30	15	24	14	3	18	0	2.73	-0.87	6	0.72	31	1.1	0.6	26
-DIVISION-			39.0	3.4									2.73	-0.78				1.1		
-MD: LOWER SOUTHE-																				
MECHANICSVILLE 5 N	45.7	27.3	36.5	2.5	72	31	10	25	11	4	22	0	3.03	-0.20	7	1.00	16			
SOLOMONS	46.3	33.4	39.8	2.5	69	31	17	23	11	3	12	0						4.7	3.7	24
-DIVISION-			38.2	3.5									3.03	-0.16				4.7		
-MD: UPPER SOUTHE-																				
BALTIMORE WASH INT	45.2	28.6	36.9	4.0	70	30	11	25	11	4	20	0	3.64	0.59	6	1.22	30	2.9	2.0	24
BELTSVILLE	44.7	28.2	36.4	3.5	70	31	12	23	11	4	21	0	2.71	-0.15	3	1.22	31	2.0	1.0	26+
DALECARLIA RSVR	45.7	29.3	37.5	3.3	69	31	15	24+	13	3	21	0	3.33	0.31	5	1.69	31	T	T	
LAUREL 3 W	45.0	30.2	37.6	4.0	70	30	10	23	11	5	18	0	4.38	1.22	5	1.30	16	NM		
MD SCI CTR BALTIMO	48.0	35.0	41.5	5.7	74	30	17	23	12	3	8	0	3.90	0.98	7	1.51	30	NM		
NATL ARBORETUM DC	46.4	29.9	38.1	2.6	72	31	15	23	11	4	19	0	2.60	-0.49	4	1.05	31			
OXON HILL	45.8	29.9	37.8	2.7	71	31	14	24+	12	4	20	0	2.61	-0.41	5	0.89	31	1.3	0.9	24
UPPER MARLBORO 3 N	46.3	28.0	37.1	3.6	71	31	10	24+	11	4	21	0	2.70	-0.18	5	1.17	31			
-DIVISION-			37.9	3.9									3.23	0.20				1.5		
-MD: NORTHEASTERN-																				
STEVENSVILLE	44.5	31.6	38.1	3.8	68	31	16	24+	10	4	17	0	2.45		5	0.88	31	1.7	0.8	26
-DIVISION-			38.1	4.7									2.45	-0.76				1.7		
-MD: NORTHERN CEN-																				
ABERDEEN PHILLIPS	42.8	27.5	35.2	1.6	67	31	10	26	10	5	19	0						1.2	1.2	26
BRIGHTON DAM																		2.0	1.0	26+
CONOWINGO DAM	40.1	25.2	32.6	0.7	66	31	9	24+	5	5	25	0	6.17	2.73	8	1.87	31			
CYLBURN	42.6	28.1	35.4	2.8	69	31	11	24+	8	4	22	0								
DAMASCUS 3 SSW	41.8	28.5	35.2	3.8	66	30	8	23	8	5	22	0	5.58	2.21	6	2.11	30	2.3	1.1	25+
EMMITSBURG 2 SE	41.3	25.8	33.6	3.4	67	31	11	24+	8	7	24	0	3.84	0.66	7	1.80	31	3.0	2.0	26
FREDERICK 2 NNE	43.6	27.3	35.4	3.9	70	31	11	23	9	5	22	0	5.55	2.56	6	3.56	31	2.3	1.3	26
MILLERS 4 NE	41.8	26.8	34.3	4.2	66	30	7	23	8	5	20	0	5.33	2.12	7	2.68	31	2.4	1.6	25
-DIVISION-			34.5	2.8									5.29	2.13				2.2		
-MD: APPALACHIAN -																				
CUMBERLAND 2	42.7	25.2	34.0	2.1	71	31	10	24+	8	5	24	0	2.72	0.06	6	1.09	31			
FROSTBURG 2	37.1	21.8	29.4	3.4	64	31	1	24	6	12	26	0	3.09	-0.23	7	1.12	31			
SHARPSBURG 5 S	43.3	25.2	34.3	3.5	70	31+	7	23	9	5	23	0	3.97	1.09	5	2.17	31			
WILLIAMSPORT *	42.3	24.5	33.4	2.5	67	30	10	24+												
-DIVISION-			32.8	3.0									3.26	0.42						
-MD: ALLEGHENY PL-																				
OAKLAND 1 SE	39.4	20.8	30.1	5.0	70	31	-1	25	7	9	25	1	3.38	-0.16	10	1.10	31	12.9	3.0	27
SAVAGE RIVER DAM *	38.4	22.8	30.6	3.3	66	31	7	25												
SINES DEEP CREEK *	35.2	19.2	27.2		68	31	2	25+												
KITZMILLER 1 W	40.0	23.7	31.9		66	31	7	24+	6	7	24	0						NM		
-DIVISION-			30.0	3.0									3.38	-0.00				12.9		

STATION	TEMPERATURE (F)									PRECIPITATION (INCHES)									
	MONTHLY AVERAGES				EXTREMES		NUMBER OF DAYS			MONTHLY TOTALS			EXTREMES		SNOWFALL				
	AVG MAX	AVG MIN	MON AVG	DEPRT	MON MAX	DAY MIN	MON MAX	DAY MIN	MAX 50+	MIN 32-	MIN 32-	0-	MON TOT	DEPRT	DAYS 0.1+	DLY MAX	DAY	MON TOT	DLY MAX
-STATE-			36.2	3.3									3.79	0.56				2.8	
-NJ: NORTHERN-																			
BELVIDERE BRG *	38.1	21.0	29.6	1.5	63	31	3	26	4	8			3.56	0.48	6	1.96	31		
BOONTON 1 SE	39.4	25.3	32.3	4.1	62	31	7	25+	4	8	26	0	3.06	-0.66	6	1.40	31	2.5	2.0
BOUND BROOK 2 W													2.44	-0.82	5	1.00	31	NM	
CANISTEAR RESERVOI													3.60	-0.09	6	1.75	31	NM	
CANOE BROOK *	41.7	24.6	33.0	4.3	65	31	7	27+	2	8	27	0	2.84	-0.70	5	1.25	31	3.5	2.0
CHARLOTTEBURG RSV*	35.6	22.5	29.1	1.9	59	31	4	24											
CRANFORD	43.7	25.1	34.4	3.4	67	31	6	24	9	5	24	0	2.89	-0.80	5	1.17	31	0.9	0.6
FLEMINGTON 5 NNW	39.2	24.2	31.7	3.4	64	31	6	26+	5	8	25	0	2.99	-0.79	5	1.49	31		
HARRISON	40.8	28.0	34.4	3.2	61	31	10	23	7	6	21	0	2.34	-1.17	5	0.78	31		
LAMBERTVILLE													2.92	-0.52	5	1.05	31	NM	
NEWARK INTL AP	42.5	28.3	35.4	3.8	66	30	11	24+	9	5	21	0	2.49	-1.05	5	0.79	31	1.4	0.7
OAK RIDGE													2.99	-0.70	6	1.35	31	NM	
PHILLIPSBURG EASTO	38.9	24.4	31.7	3.6	65	31	8	23	5	8	25	0	3.78		5	2.50	31		
POTTERSVILLE 2 NN*	38.2	25.7	31.9		58	31	10	24											
RINGWOOD	39.7	23.2	31.4		61	31	4	24	5	8	27	0							
SUSSEX 2 NW	36.8	20.7	28.8	3.8	60	31	1	24	2	9	28	0	3.26	-0.04	5	1.66	31	4.8	4.2
WAYNE	40.8	24.7	32.7		62	31	8	27+	5	6	25	0	3.00		7	1.27	31	NM	
WERTSVILLE 4 NE	39.5	25.3	32.4	3.3	66	31	7	24	6	9	25	0	2.83	-0.51	6	0.97	31		
RIEGELSVILLE													2.49		6	0.99	31		
TOCKS ISLAND	38.0	22.5	30.2		63	31	4	25	3	8	27	0							
-DIVISION-			31.9	3.1									3.00	-0.49				2.6	
-NJ: SOUTHERN-																			
ATLANTIC CITY INTL	43.5	26.7	35.1	2.1	60	14	9	26+	13	5	22	0	2.30	-0.92	5	0.66	15	2.6	1.2
ESTELL MANOR	43.9	25.8	34.8	3.0	67	31	5	23	12	5	22	0	2.71	-0.96	4	0.88	16		
FREEHOLD MARLBORO*	42.7	26.6	34.7	3.5	68	31	8	26											
HAMMONTON 1 NE	42.5	25.6	34.0	1.9	68	31	6	27	9	5	24	0	3.13	-0.22	6	0.98	15	2.0	1.5
HIGHTSTOWN 2 W	41.9	25.0	33.5	2.7	67	31	4	26	8	5	25	0	2.80	-0.52	5	0.85	16	1.6	1.0
INDIAN MILLS	43.5	26.6	35.0	3.3	66	30	6	27+	10	4	20	0	3.35	-0.17	5	0.93	16		
MILLVILLE MUNI AP*	44.4	25.8	35.1	2.9	63	30	2	26	2	5	27	0	2.57	-0.48	6	0.77	15	NM	
NEW BRUNSWICK 3 SE	41.8	26.1	34.0	3.5	68	31	7	24	9	7	25	0	2.75	-0.87	6	0.88	31	0.9	0.8
SEABROOK FARMS	43.2	28.9	36.1		65	31	11	26	11	5	19	0							
SOMERDALE 4 SW	39.8	25.0	32.4		66	31	7	27	7	8	24	0	3.22	-0.44	6	1.02	16		
TRENTON MERCER CO	41.5	26.8	34.1	3.0	67	30	9	26	7	6	22	0	2.82	-0.34	7	0.85	31	NM	
PHILADELPHIA MT HO	41.5	27.0	34.2		68	31	5	26	8	5	21	0	2.91		6	0.90	16	4.2	2.1
-DIVISION-			34.4	2.0									2.86	-0.61				2.3	
-NJ: COASTAL-																			
ATLANTIC CITY	42.4	32.5	37.5	2.0	59	15	15	24+	8	5	13	0	2.14	-0.94	5	0.66	16	NM	
CAPE MAY 2 NW	44.5	30.2	37.3	2.2	59	14	16	24+	12	5	16	0	2.46	-0.86	6	0.79	15	2.0	1.3
LONG BRANCH OAKHUR	42.6	27.9	35.3	2.8	61	31	10	25+	9	5	21	0	2.76	-1.45	6	0.86	16		
-DIVISION-			36.7	2.5									2.45	-0.90				2	
-STATE-			33.7	2.4									2.88	-0.59				2.4	

* = One to four days of missing temperature data + = This value also occurred on one or more previous dates this month.

All means are for the years 1981-2010. NM = Snowfall is not measured.

These data are considered preliminary, published data from the National Climatic Data Center may differ somewhat from the values shown here.

PRELIMINARY MONTHLY DEGREE DATA JANUARY 2013

STATION	HEATING DEGREE DAYS (BASE 65)				COOLING DEGREE DAYS (BASE 65)				GROWING DEGREE DAYS (BASE 50)			
	MONTH	MONTH	SEASON	SEASON	MONTH	MONTH	SEASON	SEASON	MONTH	MONTH	SEASON	SEASON
-DE: NORTHERN-												
WILMINGTON NEW CAST	903	-107	2549	-238	0	0	0	0				
WILMINGTON PORTER RS	937	-90			0	0	0	0				
-DE: SOUTHERN-												
DOVER	838	-84	2341	-119	0	0	0	0				
-MD: SOUTHEASTERN SHORE-												
SALISBURY WICOMICO	765	-152	2064	-477	0	0	0	0				
SNOW HILL 4 N	772	-85	2134	-184	0	0	0	0				
SALISBURY 2N	776				0		0					
-MD: CENTRAL EASTERN SHORE-												
ROYAL OAK 2 SSW	802	-89	2259	-89	0	0	0	0				
-MD: LOWER SOUTHERN-												
MECHANICSVILLE 5 NE	875	-86	2612	-122	0	0	0	0				
SOLOMONS	775	-83			0	0	0	0				
-MD: UPPER SOUTHERN-												
BALTIMORE WASH INTL	862	-133	2459	-317	0	0	0	0				
BELTSVILLE	877	-116	2500	-247	0	0	0	0				
DALECARLIA RSVR	846	-109	2475	-145	0	0	0	0				
LAUREL 3 W	842	-130	2354	-258	0	0	0	0				
MD SCI CTR BALTIMOR	719	-186			0	0	0	0				
NATL ARBORETUM DC	824	-90			0	0	0	0				
OXON HILL	836	-92	2354	-165	0	0	0	0				
UPPER MARLBORO 3 NN	856	-120	2502	-214	0	0	0	0				
-MD: NORTHEASTERN SHORE-												
STEVENSVILLE	828	-125	2327	-120	0	0	0	0				
-MD: NORTHERN CENTRAL-												
ABERDEEN PHILLIPS F	918	-57			0	0	0	0				
CONOWINGO DAM	996	-30	2845	63	0	0	0	0				
CYLBURN	910	-94			0	0	0	0				
DAMASCUS 3 SSW	917	-124			0	0	0	0				
EMMITSBURG 2 SE	966	-113	2935	-175	0	0	0	0				
FREDERICK 2 NNE	909	-131			0	0	0	0				
MILLERS 4 NE	944	-138	2718	-376	0	0	0	0				
-MD: APPALACHIAN MOUNTAIN-												
CUMBERLAND 2	955	-71			0	0	0	0				
FROSTBURG 2	1093	-116	3480	-229	0	0	0	0				
SHARPSBURG 5 S	945	-115	2919	-142	0	0	0	0				
-MD: ALLEGHENY PLATEAU-												
OAKLAND 1 SE	1073	-162			0	0	0	0				
KITZMILLER 1 W	1017		3239		0		0					
-NJ: NORTHERN-												
BOONTON 1 SE	1003	-139			0	0	0	0				
CRANFORD	943	-112			0	0	0	0				
FLEMINGTON 5 NNW	1025	-113	2982	-280	0	0	0	0				

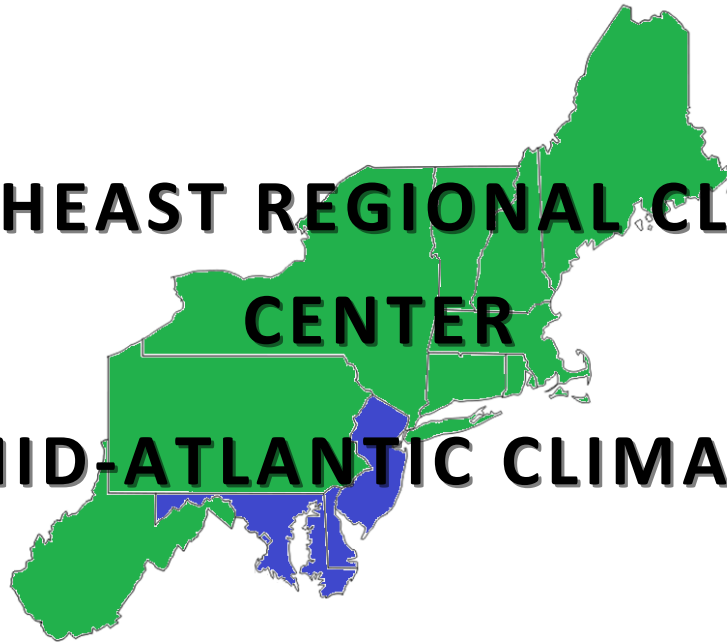
STATION	HEATING DEGREE DAYS (BASE 65)				COOLING DEGREE DAYS (BASE 65)				GROWING DEGREE DAYS (BASE 50)			
	MONTH	MONTH	SEASON	SEASON	MONTH	MONTH	SEASON	SEASON	MONTH	MONTH	SEASON	SEASON
HARRISON	938	-110			0	0	0	0				
NEWARK INTL AP	912	-122	2521	-263	0	0	0	0				
PHILLIPSBURG EASTON	1025	-120			0	0	0	0				
RINGWOOD	1032		2980		0		0					
SUSSEX 2 NW	1116	-125			0	0	0	0				
WAYNE	994				0		0					
WERTSVILLE 4 NE	1003	-110			0	0	0	0				
TOCKS ISLAND	1069		3114		0		0					
-NJ: SOUTHERN-												
ATLANTIC CITY INTL	916	-76	2560	-201	0	0	0	0				
ESTELL MANOR	926	-105	2608	-280	0	0	0	0				
HAMMONTON 1 NE	952	-69	2630	-241	0	0	0	0				
HIGHTSTOWN 2 W	968	-92			0	0	0	0				
INDIAN MILLS	920	-114	2642	-285	0	0	0	0				
NEW BRUNSWICK 3 SE	956	-113	2723	-258	0	0	0	0				
SEABROOK FARMS	888		2427		0		0					
SOMERDALE 4 SW	1003		2959		0		0					
TRENTON MERCER CO A	950	-101	2708	-238	0	0	0	0				
PHILADELPHIA MT HOL	945		2679		0		0					
-NJ: COASTAL-												
ATLANTIC CITY	848	-66	2179	-226	0	0	0	0				
CAPE MAY 2 NW	852	-75	2240	-224	0	0	0	0				
LONG BRANCH OAKHURS	915	-91	2547	-191	0	0	0	0				

The heating season begins July 1 and ends June 30. The cooling season begins January 1 and ends December 31.
The growing season begins March 1 and ends October 31. All departures are calculated from the 1981 - 2010 mean.
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NORTHEAST REGIONAL CLIMATE

CENTER

MID-ATLANTIC CLIMATE



**Northeast
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