

Northeast Regional Climate Center

Mid-Atlantic Climate

CONTENTS

CLIMATE DIVISION MAPS.....	1
MARCH 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 MARCH 2013.....	11
PRELIMINARY MONTHLY DEGREE DATA MARCH 2013	13

MARCH 2013

VOLUME 113 NUMBER 3

Website: <http://www.nrcc.cornell.edu>

Address: Phone: (607)255.1751

1123 Bradfield Hall Fax: (607)255.2106

Cornell University Email: nrcc@cornell.edu

Ithaca, NY 14853

NRCC Staff:

Dr. Arthur DeGaetano
Director
Mr. William Noon
Computer Analyst

Mr. Keith Eggleston
Regional Climatologist
Ms. Jessica Rennells
Assistant Climatologist

Mrs. Samantha Borisoff
Assistant Climatologist
Ms. Tara Fardellone
Publication Design

Mrs. Pamela Vitale
Administrative Assistant

State Climatologists:

David Legates
210 Newark Hall
Department of Geography
Newark, DE 19716
302-831-2294

Konstantin Y. Vinnikov
Dept of Atmospheric and Oceanic Sci.
University of Maryland
College Park, MD 20742
301-405-5382

David Robinson
Department of Geography
Rutgers University
Piscataway, NJ 08854
732-445-4741

CLIMATE DIVISION MAPS



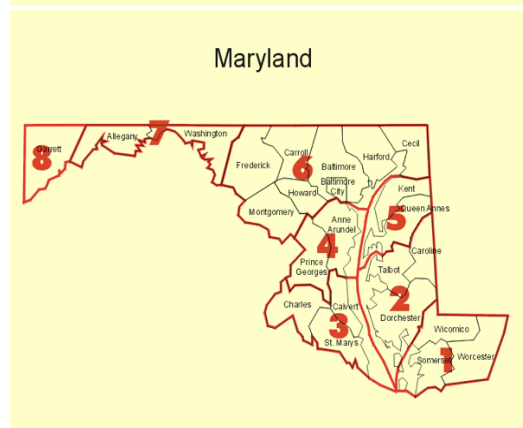
New Jersey Climate Divisions

- 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

MARCH WEATHER HIGHLIGHTS

Cool conditions stuck around through March in the Mid-Atlantic. With an average temperature of 39.2 degrees, the region was 3.4 degrees below normal. March 2013 was 12.3 degrees cooler than March 2012 and the coolest March since 2005. All states, and their divisions, were cooler than normal. In terms of departure from normal, Maryland was the coolest state. The average temperature of 39.4 degrees was -3.9 degrees below normal making it the 30th coolest March in 119 years. Six of Maryland's eight divisions ranked this March among their top 30 coolest: Lower Southern, 17th; Appalachian Mountains, 18th; Allegheny Plateau, 24th; Southeastern Shore, 26th; Upper Southern, 28th; and North Central, 30th. Delaware's average temperature of 40.4 was 3.7 degrees below normal, which made March 2013 the 28th coolest March on record. With an average temperature of 38.5 degrees, New Jersey ended the month 2.6 degrees below normal. Western Maryland was home to the region's highest and lowest temperatures. On the 9th, Oakland cooled to 7 degrees while on the 11th, Cumberland warmed to 69 degrees.

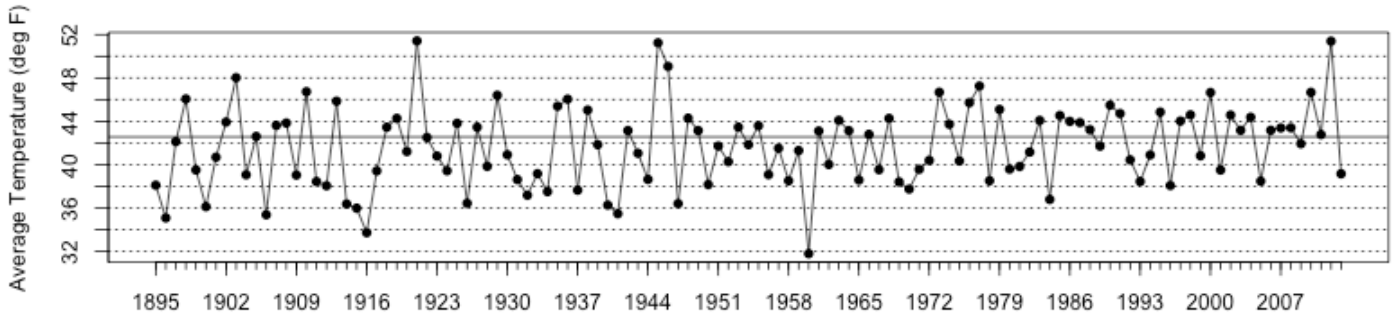
The Mid-Atlantic was drier than normal for the second month in a row. The region ended March with 3.18 inches of precipitation, 77 percent of normal. Receiving 2.66 inches of precipitation, 62 percent of normal, Delaware had its 26th driest March on record. The state's Northern division ranked the month as the 26th driest while the Southern division ranked it 28th driest. During the month New Jersey received 2.89 inches of precipitation, 68 percent of normal. It was the 31st driest March for the state and the 23rd driest for its Northern division. Maryland ended March with 3.48 inches of precipitation, 86 percent of normal. Six of its divisions were drier than normal while two divisions were wetter. The Allegheny Plateau and the Southeastern Shore ranked the month as the 23rd and 29th wettest respectively. One of the wet divisions, the Southeastern Shore, was the site of the region's greatest monthly and daily precipitation. Snow Hill received 5.71 inches of precipitation during March while Salisbury received 3.09 inches on the 6th. The other wet division, the Allegheny Plateau, was the site of the region's greatest monthly and daily snowfall. Oakland amassed 46.5 inches of snow during the month, with 10.0 inches of it reported on the 25th.

A potent winter storm trekked across the Mid-Atlantic from the 6th through the 8th. Higher elevations of western Maryland and northwestern New Jersey received up to a foot of snow. Winds gusted up to 55 mph inland while gusts of 60 to 70 mph were reported along the coast. A buoy located in the Delaware Bay southeast of Cape May, New Jersey, recorded its 2nd highest wave height in 29 years when the strong winds pushed seas to a height of 25.6 feet on the 6th. Wind-whipped seas breached dunes in parts of New Jersey and Delaware causing flooding and beach erosion. The strong winds were blamed for causing a tractor-trailer to overturn and ripping a door off a vehicle on the Bay Bridge in Maryland. The bridge was shut down in both directions for several hours due to the winds.

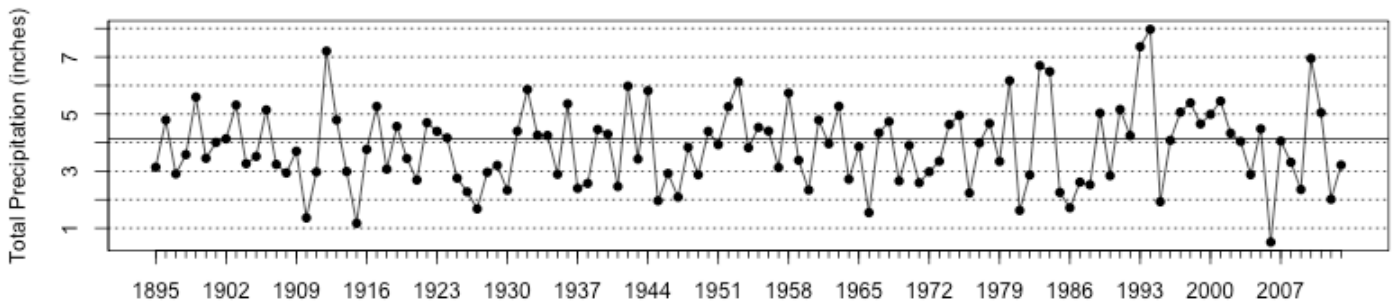
Daily Snowfall Records (inches)

<u>Station</u>	<u>Date</u>	<u>New</u>	<u>Previous</u>
Washington Dulles, DC	6	3.3	0.2 in 1989
Atlantic City, NJ	25	1.9	1.4 in 1990
Washington Dulles, DC	25	3.2	1.2 in 1990
Baltimore, MD	25	3.2	2.5 in 1933

Mid Atlantic Average March Temperatures



Mid Atlantic March Precipitation Totals



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

A Chilly Start to Spring: March 2013

Dr. David A. Robinson, New Jersey State Climatologist
NJ Agricultural Experiment Station, Rutgers University

While the core of the winter season (December-February) averaged quite a bit milder than usual across New Jersey (see winter summary in the [February narrative](#)), the broader cool season began with a November that was cooler than average with above-average snowfall and ended with a cooler and snowier than average March, making for what seemed to be a long winter. Looking more closely at March 2013, the statewide average of 38.3° was 2.8° below the 1981-2010 average and ranked as the 37th coolest since 1895. What a difference a year makes, as March 2012 was 11.5° warmer than this year! Precipitation (rain and melted snowfall) averaged 3.05", which is 1.18" below average and the 36th driest on record. Snowfall averaged 5.2", which is 1.0" above average.

Chilly conditions were rather consistent during March, with only six days where one or more observing stations in NJ reached a maximum of 60° or higher. There was an absence of excessive cold, with lows falling into the teens in some locations on 12 mornings, yet most of the state dropping no lower than the 20's at any point. Beginning with the cold lows, the 3rd and 4th both dawned with the [NJWxNet](#) High Point and High Point Monument stations (Sussex County) at 18° and 19°, respectively. Walpack (Sussex) was coldest at 19° on the 9th. The 10th was one of the three coldest mornings statewide in March. Pequest (Warren), Berkeley Township (Ocean), and Walpack fell to 19°, with a total of 23 of the 55 stations in the NJWxNet at 25° or colder.

On the 14th, High Point Monument reached 17°. This station was joined by Walpack at 15° on the 15th and the Monument site chilled to 16° on the 17th. The 18th was the second broadly cold morning, when Walpack plummeted to 13°, the coldest NJ temperature of March, and 20 stations dropped to 25° or lower. High Point Monument was 19° on the 21st and Walpack 16° on the 22nd. Pequest and Walpack fell to 19° on the 24th, when 26 locations were 25° or colder, thus the third cold day of the month. The teens were last felt at Walpack on the 27th when the low was 18°.

The first two 60° afternoons in March were the 9th and 10th, days with morning lows in the upper teens at a few locations. The 9th was the warmest day of the month, with ten stations reaching 61° and 21 others between 58° and 60°. Walpack had a low of 19° and high of 60° on the 9th. Cherry Hill (Camden) took top honors on the 10th at 61°. Cherry Hill reached 63° on the 11th for the warmest NJ temperature of the month, on a day when four other stations got to 62°. Mansfield (Burlington) was 61° on the 12th, the last time the 60° mark would be touched until the 30th. On that day, Mansfield reached 61° and six other stations 60°. Clayton made it to 60° on the 31st, ending a March that left most NJ residents wondering if their vision of warm spring days would ever arrive.

The aforementioned below-average precipitation in March was most keenly felt in central portions of the state, with Jefferson Township (Morris) only totally 2.02", followed by 2.05" and 2.08" at two Bernards Township (Somerset) stations, 2.16" in Readington (Hunterdon), and 2.27" at one of the CoCoRaHS stations in Franklin Township (Somerset). Coastal counties had closest to average precipitation, with a few locations coming in as much as an inch above normal. This included Lacey Township (Ocean) with 5.39", Linwood (Atlantic) 4.75", Egg Harbor Township (Atlantic) 4.71", and Brick (Ocean) and Berkeley Township (Ocean) each at 4.70".

The first notable precipitation of March occurred on the 6th. It was primarily a coastal event, with heavy rains in the southeast totaling as much as 1.64" at Wildwood Crest (Cape May) and 1.46" in Middle Township (Cape May). The inch plus southeast amounts tapered off to little or no precipitation north of the Route 1 corridor. Winds gusted over 60 mph along the coast (more on this later) and coastal flooding breached some dunes and covered roadways in some locations, making this the most impactful coastal event since Sandy.

The morning of the 7th into the afternoon of the 8th brought the largest snow event of the month to NJ. Rain and melted snow exceeded an inch in some northeast locations, tapering to little to no precipitation in the far southwest. Saddle Brook (Bergen) received 1.18" and Kearny (Hudson) 1.09". Snowfall was measured in every county, but concentrated its punch in the northeast into

the higher elevations of northwestern NJ. Highland Lakes (Sussex) with 11.8" had the top total, followed by West Milford (Passaic) 11.5" and Oakland (Bergen) 10.5".

The predawn hours of the 12th into the morning of the 13th saw rainfall exceeding 0.50" in most locations. Over an inch fell in northwest counties, topped by 2.06" in Blairstown (Warren) and 1.75" at Randolph (Morris). A minor snow event brought 2.1" to Hardyston (Sussex) and 2.0" to Millstone Township (Monmouth) on the 16th. Falling during the daylight hours, not much accumulated on roadways. The most rain and melted snow that day fell in along and just to the south of the Route 195 corridor, with 0.40" in Howell (Monmouth) and 0.36" in Robbinsville (Mercer). The afternoon of the 18th through the morning of the 19th brought heavy rain to coastal counties and a plowable snow to the north. Lacey Township (Ocean) received 1.56" and Berkeley Township (Ocean) 1.41" of mainly rain. Three different counties accounted for the four largest snowfall totals; West Milford (Passaic) 6.5", Hawthorne (Passaic) 5.5", Oakland (Bergen) 5.4", and Butler (Morris) 5.2".

The morning of the 25th into the pre-dawn hours of the 26th saw coastal areas again collecting the most rainfall. Lacey Township (Ocean) received 1.28" and Linwood (Atlantic) 1.19". Totals tapered to under a half-inch inland of the NJ Turnpike, with little to no precipitation in the far northwest. A burst of snow occurred in the south during this episode, with seven stations in Atlantic, Cumberland and Gloucester counties reporting 3.0". March ended with rain during the afternoon and evening of the 31st. Coastal areas saw the most, with 0.76" at Manalapan (Monmouth) and 0.62" at Brick (Ocean). Most of the remainder of the state received a tenth to several tenths.

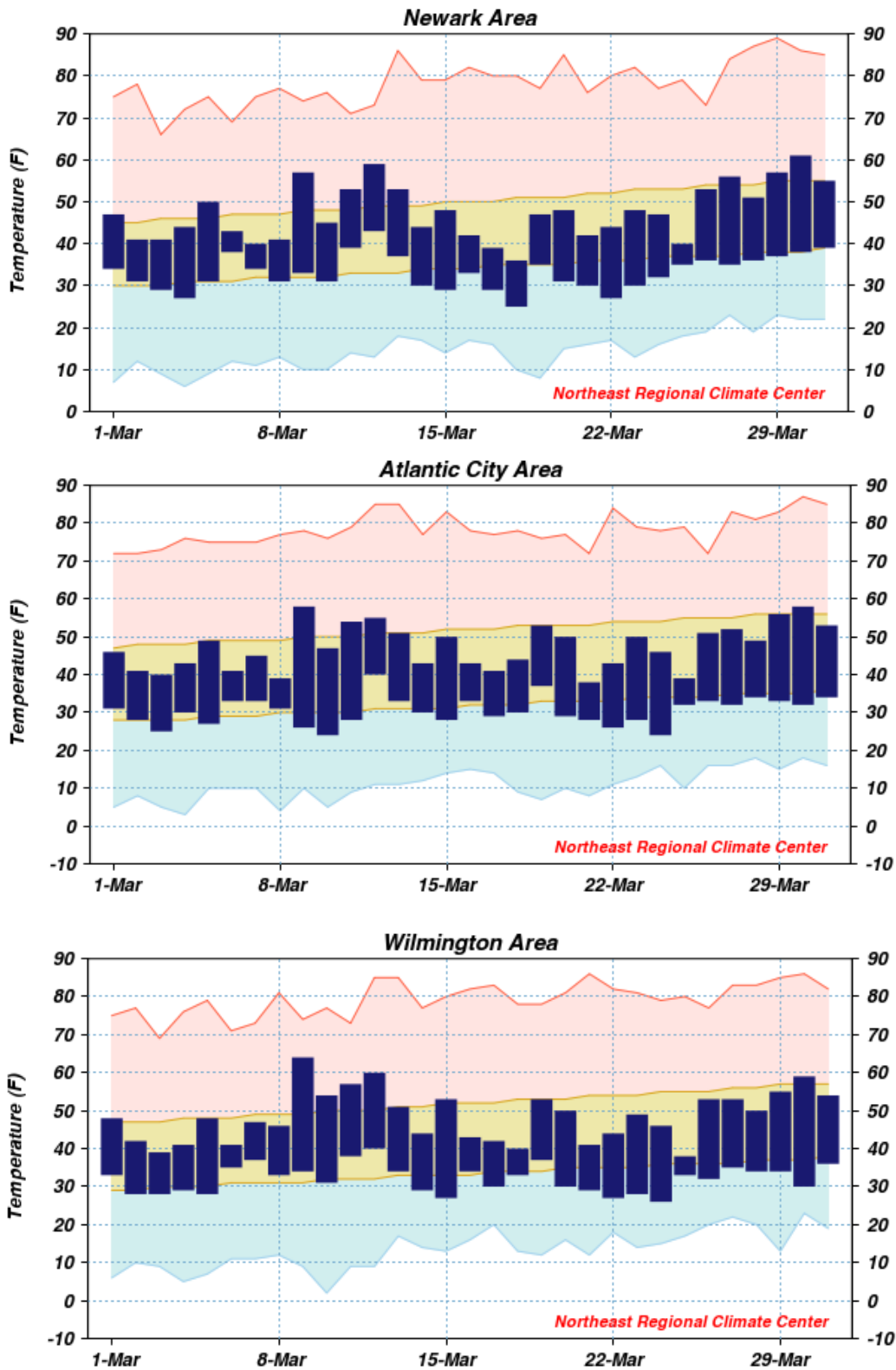
The northern third of the state saw both the most snowfall during March with 9.0" and the largest positive departure of +2.9". Central snowfall averaged 6.3" and was 1.4" above average and southern snowfall was 2.7", which was 0.2" below average. The four largest monthly totals occurred in four different counties, including West Milford (Passaic) 18.4", Hardyston (Sussex) 16.3", Oakland (Bergen) 15.9", and Jefferson Township (Morris) 15.0". There were four snowfall events during March where at least 2.0" accumulated at one or more locations, making for a seasonal total (November through March) of 17 such occurrences. A summary of seasonal snowfall will be included in the April narrative.

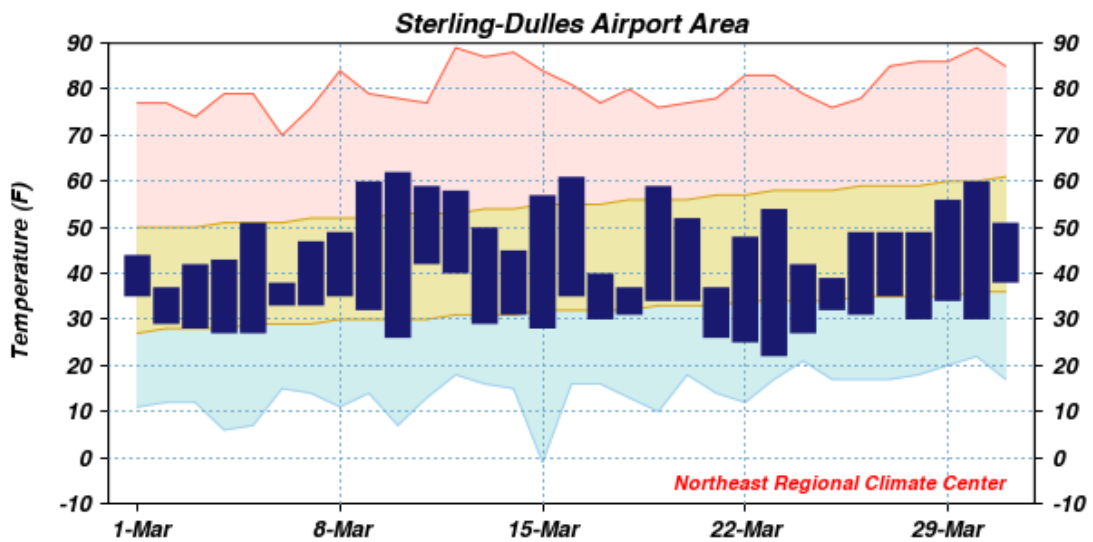
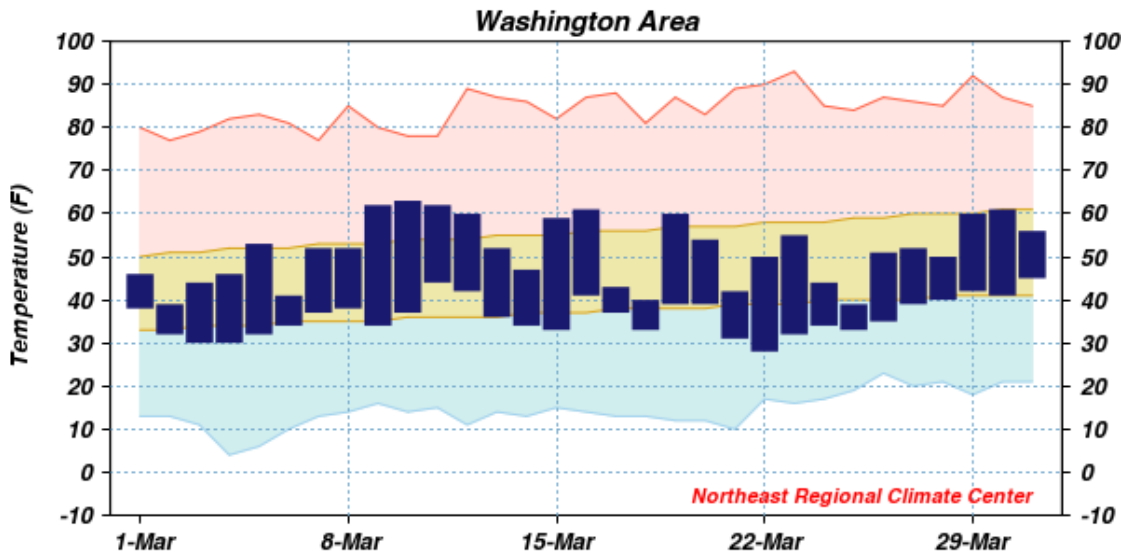
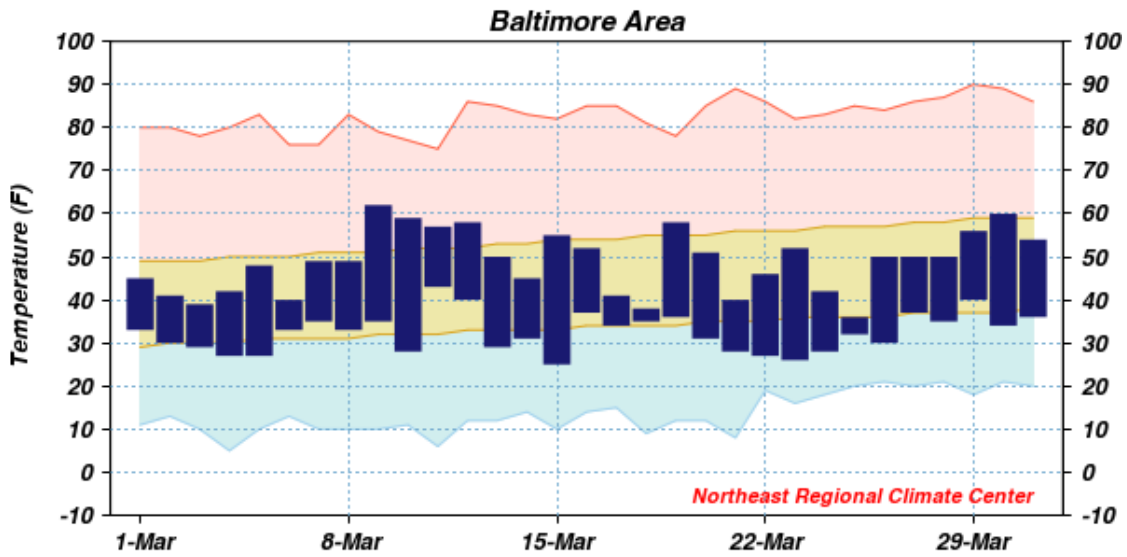
As is often the case during this climate transition time of the year, strong winds were rather common in March. On eleven days, winds gusted over 40 mph at one or more locations. The first such day was the 3rd, when High Point Monument (Sussex) gusted to 46 mph. The next day this location reached 50 mph, with Wantage (Sussex) up to 52 mph. The Monument got to 43 mph on the 5th, with Wantage at 42 mph. The 6th was the windiest day of the month, with Harvey Cedars (Ocean) gusting to 64 mph, Sea Girt (Monmouth) 61 mph, and Atlantic City Marina (Atlantic) 60 mph. Six other stations gusted to between 50-59 mph and 17 between 40-49 mph. A windy week concluded with Harvey Cedars up to 48 mph on the 7th and Wantage to 41 mph on the 8th.

High Point Monument reached 43 mph on the 12th and Dennis Township (Cape May) hit 41 mph. The 14th saw 51 mph at the Monument, 47 mph at Wantage, and 45 mph in Sea Girt. The Monument station reached 41 mph on the 15th. Later in the month, this station got up to 46 mph on the 23rd and Seaside Heights topped out at 42 mph on the 25th.

The highest barometric pressures of the month occurred on the 10th and 18th with most stations close to 30.40". The 25th saw the barometer bottom out at close to 29.40" for the lowest pressure of March.

DAILY AVERAGE TEMPERATURES AND THE 30-YEAR NORMAL



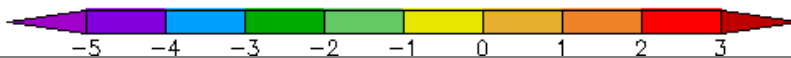
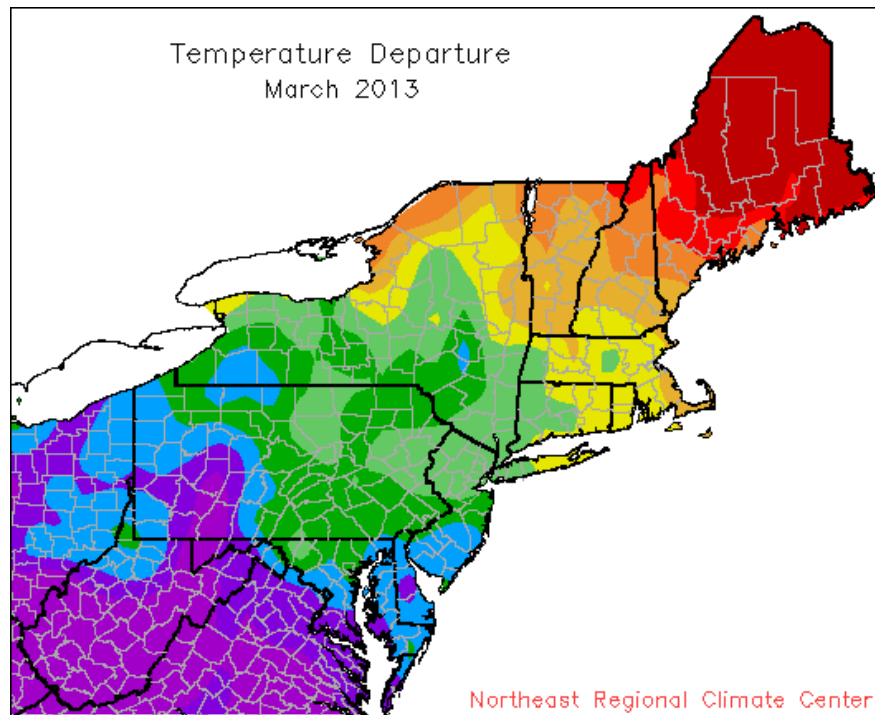
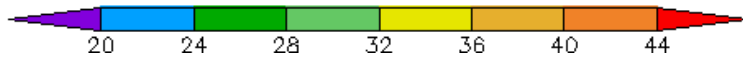
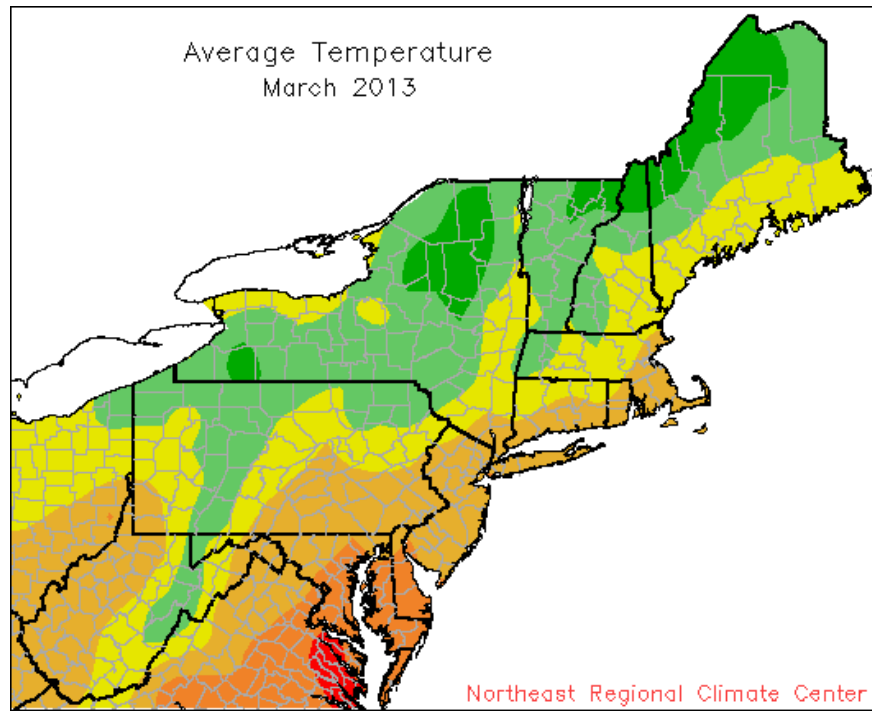


Area between normal max and min temperatures has tan shading.

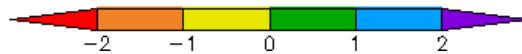
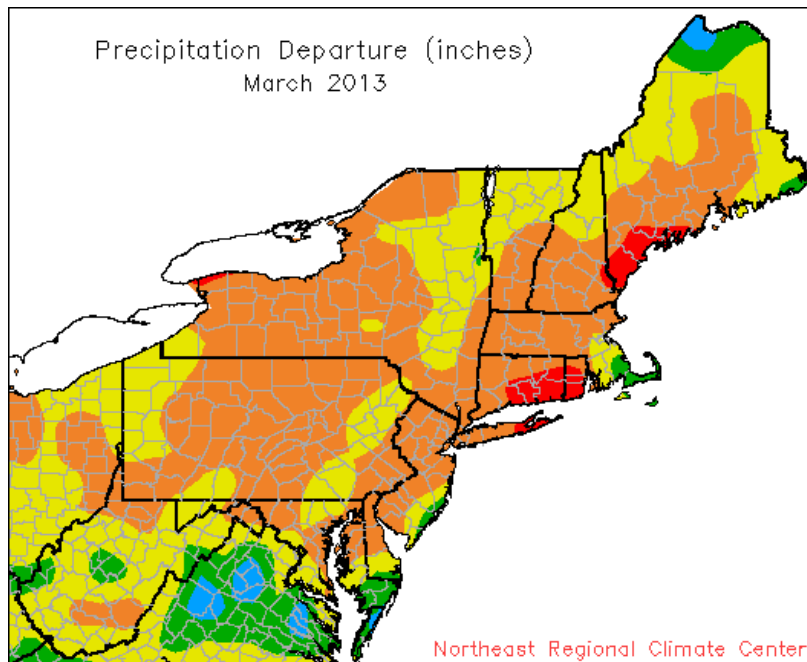
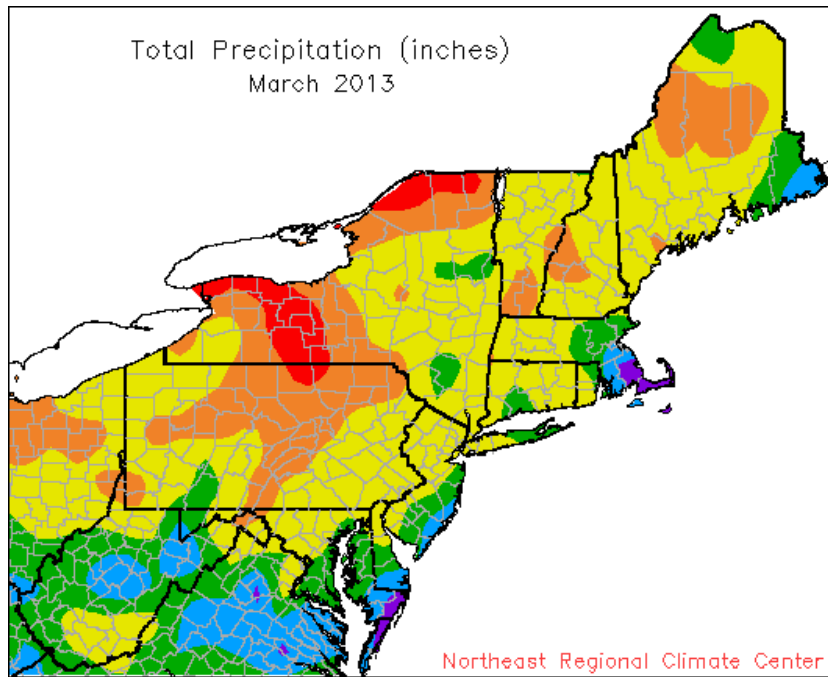
Red line connects record high temperatures.

Light blue line connects record low temperatures.

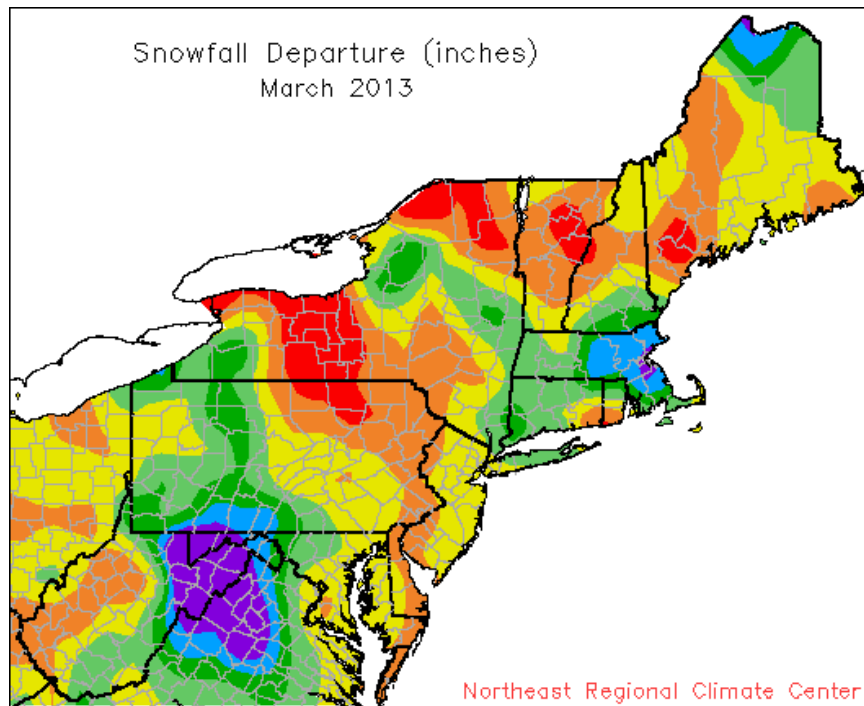
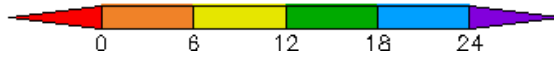
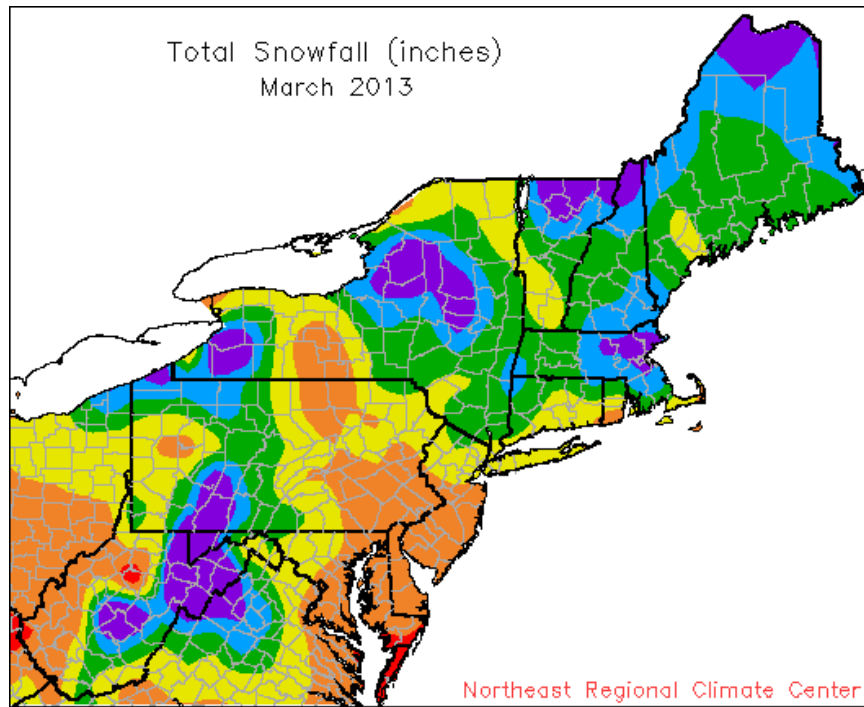
MONTHLY TEMPERATURE MAPS



MONTHLY PRECIPITATION MAPS



MONTHLY SNOWFALL MAPS



PRELIMINARY MONTHLY SUMMARIZED DATA MARCH 2013

STATION	TEMPERATURE (F)								PRECIPITATION (INCHES)											
	MONTHLY AVERAGES				EXTREMES				NUMBER OF DAYS				MONTHLY TOTALS			EXTREMES		SNOWFALL		
	AVG MAX	AVG MIN	MON AVG	DEPRT AVG	MON MAX	DAY MIN	MON MAX	DAY MIN	MAX 50+	MIN 32-	32- 0-	0-	MON TOT	DEPRT TOT	DAYS 0.1+	DLY MAX	DAY MAX	MON TOT	DLY MAX	
-DE: NORTHERN-																				
WILMINGTON NEW CAS	48.5	32.0	40.3	-2.7	64	9	26	24	14	0	15	0	2.54	-1.38	6	0.81	12	1.3	1.1	25
WILMINGTON PORTER R	47.0	31.5	39.3	-3.0	58	9	25	22	7	0	17	0	2.41	-2.11	4	1.09	12			
-DIVISION-			39.8	-2.9									2.47	-1.70				1.3		
-DE: SOUTHERN-																				
DOVER	48.7	32.5	40.6	-4.6	60	31+	25	23	15	0	17	0	2.71	-1.60	4	0.80	25			
-DIVISION-			40.6	-3.9									2.71	-1.57						
-STATE-			40.4	-3.7									2.66	-1.60				0.3		
-MD: SOUTHEASTERN-																				
SALISBURY WICOMICO	51.5	33.1	42.3	-2.4	66	11	26	23+	18	0	13	0	4.85	0.43	5	3.09	6			
SNOW HILL 4 N	51.9	31.5	41.7	-4.7	61	11	22	22	20	0	19	0	5.71	1.19	7	2.50	6			
SALISBURY 2N	51.2	32.7	41.9		64	11	26	24+	19	0	17	0	5.17		7	2.30	6	NM		
-DIVISION-			42.0	-3.4									5.24	0.84						
-MD: CENTRAL EAST-																				
ROYAL OAK 2 SSW	51.0	33.8	42.4	-4.1	61	10	27	24+	19	0	14	0	3.49	-0.87	4	1.33	6	3.0	3.0	25
-DIVISION-			42.4	-3.3									3.49	-0.75				3		
-MD: LOWER SOUTHE-																				
MECHANICSVILLE 5 N	49.6	29.6	39.6	-5.0	61	31+	23	6+	14	0	24	0	3.96	-0.25	8	1.05	7			
SOLOMONS	47.9	34.5	41.2	-5.0	58	13	28	23+	14	0	8	0	3.25		8	1.28	7	0.8	0.5	18
-DIVISION-			40.4	-4.7									3.61	-0.59				0.8		
-MD: UPPER SOUTHE-																				
BALTIMORE WASH INT	48.9	32.4	40.6	-3.0	62	9	25	15	16	0	15	0	2.64	-1.26	4	0.82	25	3.2	3.2	25
BELTSVILLE	48.4	32.5	40.4	-3.3	63	11	24	23	12	0	18	0	2.31	-1.37	6	0.57	7	2.5	2.0	25
DALECARLIA RSVR	49.5	32.8	41.1	-4.4	62	17+	26	5	14	0	18	0	3.39	-0.61	6	0.95	13			
LAUREL 3 W	49.1	32.9	41.0	-3.6	62	10	26	22+	16	0	16	0	3.04	-1.06	5	1.00	6	NM		
OXON HILL	50.5	32.8	41.6	-3.8	64	11	27	22	17	0	17	0	2.95	-0.83	6	0.92	7	5.0	2.5	25
UPPER MARLBORO 3 N	49.5	31.3	40.4	-3.8	62	11+	23	23	17	0	20	0	2.99	-0.77	7	1.21	7			
-DIVISION-			40.9	-3.7									2.89	-1.05				3.6		
-MD: NORTHEASTERN-																				
STEVENSVILLE	48.3	34.2	41.2	-2.7	61	11	20	4	14	0	7	0	3.34		7	1.16	13	2.4	1.5	25
-DIVISION-			41.2	-2.8									3.34	-0.84				2.4		
-MD: NORTHERN CEN-																				
ABERDEEN PHILLIPS	48.1	31.7	39.9	-3.1	61	10	24	15	11	0	17	0	2.94	-0.95	7	0.99	13	1.7	1.2	25
BRIGHTON DAM													2.74		6	0.75	13	5.0	3.0	25
CYLBURN	47.1	31.7	39.4	-3.4	60	10	25	4	10	0	21	0								
DAMASCUS 3 SSW *	44.6	30.8	37.7	-4.5	61	10	24	22												
EMMITTSBURG 2 SE	47.3	29.6	38.5	-2.4	62	11	24	24+	12	0	24	0	2.40	-1.65	7	1.07	13	7.0	2.0	26+
MILLERS 4 NE	46.4	30.0	38.2	-2.7	61	10	22	5	11	0	25	0	3.24	-0.48	6	1.32	12	11.5	5.5	25
-DIVISION-			38.7	-3.8									2.86	-1.05				6.7		
-MD: APPALACHIAN -																				
CUMBERLAND 2	47.3	29.7	38.5	-5.2	69	11	23	24+	9	0	24	0	1.99	-1.38	6	0.43	19+			
FROSTBURG 2	38.5	23.8	31.2	-4.9	59	11	15	22+	4	5	29	0	3.06	-0.88	6	0.73	6			
SHARPSBURG 5 S	46.9	27.0	37.0	-4.2	64	11	19	22	11	0	27	0								
WILLIAMSPORT *	48.0	29.7	38.9	-2.8	64	11	25	24+												
-DIVISION-			36.4	-4.2									2.53	-0.98						
-MD: ALLEGHENY PL-																				
OAKLAND 1 SE	39.0	22.4	30.7	-5.5	59	11	7	9	4	5	30	0	5.39	1.26	12	1.50	25	46.5	10.0	25
SINES DEEP CREEK *	38.1	22.2	30.2		61	11	11	10+												
KITZMILLER 1 W	41.0	26.9	34.0		60	11	17	10+	5	3	28	0						NM		
-DIVISION-			31.6	-5.5									5.39	1.50				46.5		
-STATE-			39.4	-3.9									3.48	-0.55				6.3		
-NJ: NORTHERN-																				
BELVIDERE BRG	46.0	27.5	36.7	-1.8	62	10	21	18	8	0	28	0	2.18	-1.42	3	1.21	13			
BOONTON 1 SE *	47.0	30.3	38.6	-0.1	59	31	23	18					2.43	-1.49	4	1.05	13			

STATION	TEMPERATURE (F)									PRECIPITATION (INCHES)										
	MONTHLY AVERAGES				EXTREMES		NUMBER OF DAYS			MONTHLY TOTALS			EXTREMES		SNOWFALL					
	AVG MAX	AVG MIN	MON AVG	DEPRT AVG	MON MAX	DAY MIN	MON MAX	DAY MIN	50+ 32-	32- 0-	0-	MON TOT	DEPRT 0.1+	DAYS 0.1+	DLY MAX	DAY MAX	MON TOT	DLY MAX		
CANOE BROOK	46.7	30.2	38.5	-0.8	60	30	25	18	9	0	27	0	2.91	-1.29	7	0.96	13	5.1	4.0	8
CRANFORD	47.2	33.6	40.4	-0.6	64	31	25	23	11	0	16	0	2.76	-1.54	5	1.12	19	7.0	6.0	8
FLEMINGTON 5 NNW	46.3	29.4	37.8	-1.4	60	10	24	18	8	0	25	0	2.40	-1.87	7	0.98	13			
HARRISON	46.0	32.2	39.1	-3.1	60	31	27	19+	10	0	20	0	3.17	-1.19	6	0.92	13			
LAMBERTVILLE													2.73	-1.54	8	0.83	13	NM		
NEWARK INTL AP	47.5	33.1	40.3	-1.8	61	30	25	18	11	0	15	0	3.00	-1.18	6	0.95	8	8.8	6.6	8
PHILLIPSBURG EASTO	45.5	29.5	37.5	-0.9	61	10	24	18	9	0	28	0	1.85		4	0.60	13			
POTTERSVILLE 2 NNW	45.9	30.2	38.0		58	31	25	18	9	0	25	0	2.55	-1.57	5	1.21	13	5.0	2.6	8
RINGWOOD	45.6	28.9	37.3		60	31	20	18	11	0	28	0						NM		
SUSSEX 2 NW *	43.9	27.1	35.5	-0.8	57	10	20	18												
WAYNE	46.3	31.1	38.7		56	31+	25	18	10	0	23	0	2.51		5	0.89	19	NM		
WERTSVILLE 4 NE	46.0	28.7	37.4	-1.6	58	31+	21	10	9	0	26	0	2.63	-1.40	8	0.72	13			
TOCKS ISLAND	44.4	28.8	36.6		59	10	23	18	8	0	27	0						NM		
-DIVISION-			38.0	-1.3									2.58	-1.55				6.5		
-NJ: SOUTHERN-																				
ATLANTIC CITY INTL	47.4	30.4	38.9	-3.3	58	30+	24	24+	13	0	21	0	4.66	0.45	8	1.12	25	3.2	2.0	25
ESTELL MANOR	48.0	28.4	38.2	-4.0	60	31+	23	24+	15	0	28	0	4.24	-0.77	7	1.04	19			
FREEHOLD MARLBORO	47.7	29.6	38.6	-2.5	60	31	25	22+	11	0	27	0	2.47	-1.81	5	0.79	19			
HAMMONTON 1 NE	47.4	30.0	38.7	-3.0	60	12	25	25	12	0	25	0	3.16	-1.01	5	1.02	19	4.0	3.0	26
HIGHTSTOWN 2 W	47.4	28.2	37.8	-3.1	61	12	24	10	12	0	29	0	2.60	-1.47	6	0.70	13	7.2	2.4	8
INDIAN MILLS	48.0	29.3	38.6	-3.2	59	11	23	24	11	0	26	0	2.71	-1.70	6	0.99	19	1.0	0.5	25+
NEW BRUNSWICK 3 SE	47.4	30.3	38.8	-1.7	60	31+	26	22+	11	0	25	0	2.72	-1.46	5	0.84	19	5.4	4.1	8
SEABROOK FARMS	47.7	31.8	39.7		59	10	27	24+	12	0	19	0	2.77		7	0.80	19			
SOMERDALE 4 SW	45.7	28.7	37.2		61	12	23	24	7	0	29	0	2.96	-1.36	6	0.83	19	3.7	1.1	25
TRENTON MERCER CO	47.3	31.4	39.4	-2.0	59	12+	25	24	11	0	20	0	2.59	-1.55	7	0.80	12	NM		
PHILADELPHIA MT HO	46.7	31.5	39.1		61	12	27	23	11	1	20	0	2.38		5	0.67	19	5.9	2.2	26
-DIVISION-			38.6	-3.5									3.02	-1.32				4.3		
-NJ: COASTAL-																				
CAPE MAY 2 NW	48.1	33.9	41.0	-2.3	59	30	26	10	14	0	10	0	3.37	-0.89	6	1.34	6	1.1	0.8	21
LONG BRANCH OAKHUR	46.3	31.2	38.8	-2.3	56	31+	27	23+	10	0	22	0	3.61	-0.55	7	1.09	19			
-DIVISION-			39.9	-2.5									3.49	-0.60				1.1		
-STATE-			38.5	-2.6									2.89	-1.35				4.9		

*= 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 MARCH 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	759	76	4155	-151	0	-1	0	-1	0	-36	0	-36
WILMINGTON PORTER RS	790	86			0	-1	0	-1	0	-33	0	-33
-DE: SOUTHERN-												
DOVER	749	135	3896	66	0	-2	0	-2	4	-51	4	-51
-MD: SOUTHEASTERN SHORE-												
SALISBURY WICOMICO	697	67	3475	-460	0	-2	0	-2	5	-51	5	-51
SNOW HILL 4 N	714	135	3580	-31	0	-3	0	-3	6	-65	6	-65
SALISBURY 2N	708				0		0		7		7	
-MD: CENTRAL EASTERN SHORE-												
ROYAL OAK 2 SSW	693	116	3725	68	0	-2	0	-2	5	-58	5	-58
-MD: LOWER SOUTHERN-												
MECHANICSVILLE 5 NE	779	145	4219	64	0	-3	0	-3	0	-58	0	-58
SOLOMONS	730	147			0	0	0	0	0	-51	0	-51
-MD: UPPER SOUTHERN-												
BALTIMORE WASH INTL	749	83	4041	-220	0	-1	0	-1	0	-44	0	-44
BELTSVILLE	754	90	4099	-131	0	-2	0	-2	3	-44	3	-44
DALECARLIA RSVR	733	123	4019	26	0	-4	0	-4	5	-59	5	-59
LAUREL 3 W	737	102	3921	-129	0	-3	0	-3	0	-57	0	-57
OXON HILL	716	109	3879	-7	0	-1	0	-1	4	-57	4	-57
UPPER MARLBORO 3 NN	754	105	4091	-80	0	-2	0	-2	1	-50	1	-50
-MD: NORTHEASTERN SHORE-												
STEVENSVILLE	729	76	3833	-56	0	-1	0	-1	0	-36	0	-36
-MD: NORTHERN CENTRAL-												
ABERDEEN PHILLIPS F	769	88			0	-1	0	-1	1	-35	1	-35
CYLBURN	787	99			0	0	0	0	2	-29	2	-29
EMMITSBURG 2 SE	815	66	4666	-107	0	0	0	0	0	-27	0	-27
MILLERS 4 NE	822	74	4459	-275	0	-1	0	-1	1	-32	1	-32
-MD: APPALACHIAN MOUNTAIN-												
CUMBERLAND 2	815	153			0	-2	0	-2	2	-48	2	-48
FROSTBURG 2	1041	143	5623	-2	0	0	0	0	0	-21	0	-21
SHARPSBURG 5 S	863	127	4695	9	0	0	0	0	1	-29	1	-29
-MD: ALLEGHENY PLATEAU-												
OAKLAND 1 SE	1057	166			0	0	0	0	0	-16	0	-16
KITZMILLER 1 W	954		5193		0		0		0		0	
-NJ: NORTHERN-												
BELVIDERE BRG	869	49			0	0			0	-13	0	-13
CANOE BROOK	815	18			0	-1	0	-1	0	-19	0	-19
CRANFORD	755	11			0	0	0	0	9	-15	9	-15
FLEMINGTON 5 NNW	834	34	4784	-226	0	0	0	0	0	-18	0	-18
HARRISON	795	87			0	0	0	0	0	-25	0	-25
NEWARK INTL AP	759	50	4139	-205	0	-1	0	-1	1	-28	1	-28
PHILLIPSBURG EASTON	846	20			0	0			0	-11	0	-11
POTTERSVILLE 2 NNW	826				0				0		0	
RINGWOOD	852		4790		0		0		0		0	
WAYNE	808				0		0		0		0	

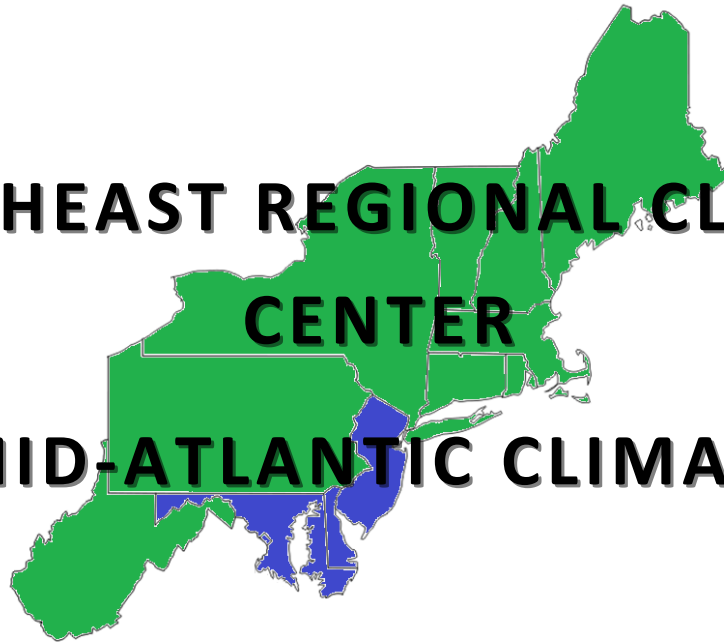
STATION	HEATING DEGREE DAYS (BASE 65)				COOLING DEGREE DAYS (BASE 65)				GROWING DEGREE DAYS (BASE 50)			
	MONTH	MONTH	SEASON	SEASON	MONTH	MONTH	SEASON	SEASON	MONTH	MONTH	SEASON	SEASON
WERTSVILLE 4 NE	850	46			0	0			0	-17	0	-17
TOCKS ISLAND	872		4982		0		0		0		0	
-NJ: SOUTHERN-												
ATLANTIC CITY INTL	804	98	4222	-75	0	0	0	0	0	-33	0	-33
ESTELL MANOR	823	116	4290	-156	0	-1	0	-1	0	-33	0	-33
FREEHOLD MARLBORO	812	71			0	0			0	-24	0	-24
HAMMONTON 1 NE	808	85	4295	-163	0	-1	0	-1	0	-32	0	-32
HIGHTSTOWN 2 W	836	88			0	-1	0	-1	0	-26	0	-26
INDIAN MILLS	809	89	4310	-199	0	-1	0	-1	3	-29	3	-29
NEW BRUNSWICK 3 SE	803	43	4440	-197	0	0	0	0	0	-23	0	-23
SEABROOK FARMS	778				0				0		0	
SOMERDALE 4 SW	855		4741		0		0		0		0	
TRENTON MERCER CO A	785	53	4386	-160	0	0	0	0	1	-25	1	-25
PHILADELPHIA MT HOL	796				0				0		0	
-NJ: COASTAL-												
CAPE MAY 2 NW	737	64	3770	-158	0	0	0	0	0	-25	0	-25
LONG BRANCH OAKHURS	803	62			0	0			0	-18	0	-18

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

NORTHEAST REGIONAL CLIMATE

CENTER

MID-ATLANTIC CLIMATE



**Northeast
Regional
Climate
Center**



1123 Bradfield Hall
Cornell University
Ithaca, NY 14853-1901