

Northeast Regional Climate Center

Mid-Atlantic Climate

CONTENTS



CLIMATE DIVISION MAPS	1
MARCH WEATHER HIGHLIGHTS	2
DAILY AVERAGE TEMPERATURES AND THE 30-YEAR NORMAL.....	9
MONTHLY TEMPERATURE MAPS.....	11
MONTHLY PRECIPITATION MAPS	12
MONTHLY SNOWFALL MAPS.....	13
PRELIMINARY MONTHLY SUMMARIZED DATA MARCH 2012	14
PRELIMINARY MONTHLY DEGREE DATA MARCH 2012	16

MARCH 2012

VOLUME 112 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

Ms. Kathryn Vreeland
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



New Jersey Climate Divisions

- 1 Northern
- 2 Southern
- 3 Coastal

Delaware



Delaware Climate Divisions

- 1 Northern
- 2 Southern

Maryland



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

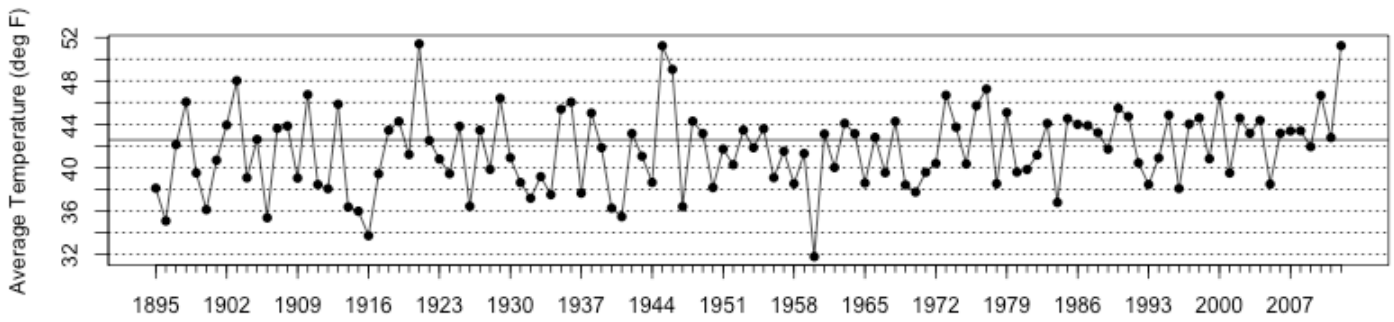
Temperatures averaged warmer than normal in the Mid-Atlantic region for the 14th consecutive month. This month's average of 51.5 degrees was 8.9 degrees above normal and 8.7 degrees warmer than March 2011. The region saw its warmest March since recordkeeping began in 1895, surpassing the previous record set in 1921 by 0.1 degree. It was also the warmest March in 118 years in New Jersey, and the 2nd warmest in Delaware and Maryland. Delaware's temperature departure was +8.6 degrees, New Jersey's, +8.7 degrees, and Maryland's, +9.2 degrees. The National Arboretum outside of Washington, DC reported the high temperature this month, 87 degrees on the 24th. Oakland, MD was the chilly spot, with a low of 13 on the 6th.

The Mid-Atlantic averaged 2.05 inches of precipitation, which was 50% of normal. It was the driest March since 2006 and the 10th driest since 1895. Each of the states in the region averaged drier than normal, with departures of 29% in Delaware, 42% in New Jersey, and 60% in Maryland. It was the 2nd driest March in 118 years in Delaware, the 7th driest in New Jersey, and the 20th driest in Maryland. Maryland's two westernmost climate divisions were the areas to average wetter-than-normal. In fact, it was the 27th wettest March in the Allegheny Plateau climate division. The wettest location this month was Frostburg, MD, in the Appalachia Plateau, with a total of 4.17 inches.

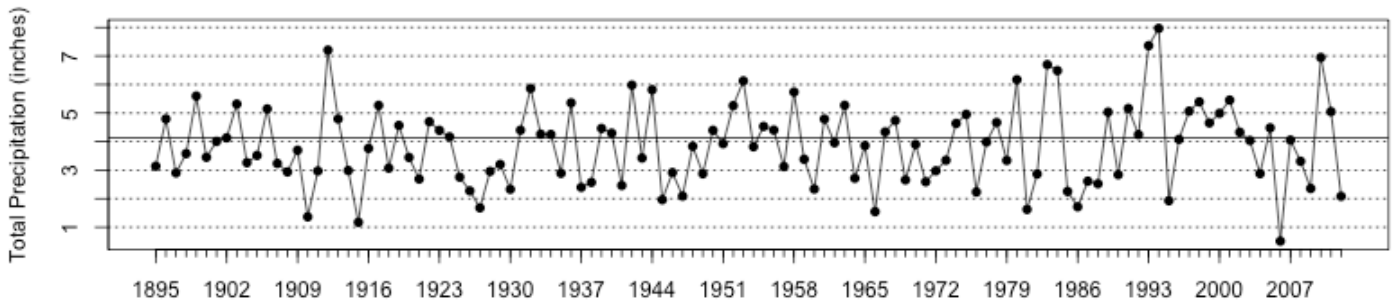
Daily Maximum Temperature Records (°F)

<u>Station</u>	<u>Date</u>	<u>New</u>	<u>Previous</u>
Newark, NJ	12	73	68 in 1973
Atlantic City, NJ	14	77	75 in 1990
Washington Dulles, DC	15	84	82 in 1990
Washington National, DC	15	82	81 in 1990
Washington Dulles, DC	19	76	74 in 1986
Newark, NJ	19	77	73 in 2010
Wilmington, DE	23	81	78 in 1994
Washington Dulles, DC	23	83	83 in 1994
Atlantic City, NJ	23	79	79 in 1907

Mid Atlantic Average March Temperatures



Mid Atlantic March Precipitation Totals



The 2012 values depicted on these graphs are based on preliminary data.

Spring Arrives Early: March 2012 Summary

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

Did New Jersey just experience a close-to-average April or its warmest March on record? The latter just happens to be the case, though it is also true that had the calendar this past month read "April", there would have been 50 Aprils (out of the past 118) that would have been cooler. This is one illustration of just how unusual March 2012 was across NJ and, for that matter, over most of the US and southern Canada east of the Rockies. It was a dry month too, continuing a dry episode that goes back to the first of the year. More on that later, but first an overview of temperatures.

The average temperature this past month of 49.5° was 8.4° above the 1981-2010 average. This year tied with 1945 as the mildest March on record (back to 1895; Table 1). This marks the 14th consecutive month with above-average temperatures. As a result, the twelve-month period ending in March ranks as the warmest twelve-month period on record in NJ (out of 1396 twelve-month intervals since 1895; Table 2) at 56.9°, far surpassing the next-warmest periods of this past March-February (56.2°) and October-September 2001/02 (56.0°).

In addition, for the third consecutive month, a new record for warmth over a 24-month interval ending with that month has been established across NJ. The past 24 months is the warmest such interval on record in NJ, surpassing the average for the 24 months ending in February 2012, which passed the same interval ending in January 2012.

The first three months of 2012 in NJ averaged 41.2°, which is 5.8° above average and the warmest start of any year on record (Table 3).

Rank	Year	Mar. Avg. Temp.
1	2012	49.5°
1	1945	49.5°
3	1921	48.7°
4	1946	47.7°
5	1903	47.1°
6	2010	46.0°
7	2000	45.8°
8	1977	45.5°
9	1973	45.4°
10	1936	44.9°

Table 1. The ten warmest Marches across New Jersey since 1895.

Rank	Period	Year (of end month)	Avg. Temp.
1	Apr-Mar	2012	56.9°
2	Mar-Feb	2012	56.2°
3	Oct-Sep	2002	56.0°
4	Nov-Oct	2002	55.9°
5	Feb-Jan	2012	55.9°
6	Sep-Aug	2002	55.8°
7	Aug-Jul	2002	55.7°
8	Jan-Dec	1998	55.6°
9	Nov-Oct	2010	55.5°
10	May-Apr	2002	55.5°

Table 2. The ten warmest twelve-month periods across New Jersey since 1895. There have been 1396 such intervals over this time span. Averages have been rounded to the tenth of a degree for display purposes.

Rank	Year	Jan.-Mar. Avg. Temp.
1	2012	41.2°
2	1998	40.7°
3	1990	40.3°
4	2002	39.8°
5	1949	39.2°
6	1953	38.4°
7	2006	38.3°
8	1921	38.2°
9	1932	37.9°
10	1913	37.8°

Table 3. The ten warmest January-March intervals across New Jersey since 1895.

By end of the mid-March "warm wave" flowers, shrubs and trees were blossoming and beginning to leaf out 3-4 weeks ahead of average. This created a worrisome situation overnight from the 26th-27th when cold air invaded the area and dew points fell between -10° at High Point Monument (Sussex County) and 4° in Upper Deerfield (Cumberland). With such dry air and clear skies the only thing that kept the budding fruit trees and bushes from suffering virtually total loses was a strong wind that helped to mix the atmosphere and keep most orchards in the mid to upper 20°s.

Maximum temperatures reached 70° or higher at more than one of the 50 locations we monitor across the state on remarkable twelve March days. Three of those days had stations reach 80°. The 8th provided a preview of coming

attractions when Hawthorne (Passaic) reached 73° and five other stations got to 72°. The 12th to 23rd was the heart of the warm wave. Hawthorne and Chatham (Morris) reached 75° on the 12th, with nineteen other stations between 70°-73°. As was commonly the case throughout the month, coastal locations stayed considerably cooler as, despite ocean temperatures being well above average, they still helped chill the nearby air. For instance, on the 12th, Harvey Cedars (Ocean), West Cape May (Cape May), and the Atlantic City Marina (Atlantic) only reached 56°. Sicklerville (Camden) topped out at 78° on the 13th, with twelve stations at 76° and 33 between 70°-75°. Harvey Cedars only got to 56°. Sicklerville and Mansfield (Burlington) took top honors on the 14th at 76°, with only High Point Monument (59°) staying below 60°.

A week's worth of plus 70° highs occurred from the 17th-23rd. Clayton (Gloucester) reached 72° on the 17th, though Cape May Courthouse only got to 45°. Sicklerville was 73° on the 18th. The first 80° maximums of the year were achieved at Chatham and Hawthorne on the 19th, with 79° at four stations and 78° at ten others. Harvey Cedars had the lowest maximum of 60°, while the thermometer in Jersey City felt the effects of a cool New York Harbor and only reached 69°. Four stations got to 77° on the 20th, and Sicklerville and Piney Hollow (Gloucester) made it to 74° on the 21st. Chatham again made it to 80° on the 22nd, with 79° seen at four stations. The 23rd was the warmest day of March with 82° at Bethel Mill Park (Gloucester), 81° at six stations, and 80° at five others. Even shore locations were rather mild with Seaside Heights (Ocean) the lowest at 66°. Mild temperatures returned on the 28th with six stations getting to 70° while the coolest, Bivalve (Cumberland) on the shore of Delaware Bay, was only 9 degrees cooler at 61°.

Not surprisingly, cold temperatures were not too prevalent in March, particularly after the 11th. Only eight days saw the low temperature fall to 25° or cooler at one or more locations. In fact, High Point Monument, the coldest location in the state, only saw the temperature fall to freezing on fourteen days. Meanwhile, Atlantic City Marina and West Cape May only dropped to the freezing mark on three mornings and Harvey Cedars on four. High Point Monument and the nearby High Point Mesonet station dropped to 24° and 25°, respectively, on the 4th. These two stations were 17° and 18° on the 5th. The 6th was the coldest morning of the month across NJ. High Point Monument and Pequest (Warren) fell to 15° and nine stations had lows of 16°-19°. West Cape May and Atlantic City Marina were mildest at 28°. The 7th saw the temperature drop to 24° at Pequest, Kingwood (Hunterdon), and Hope (Warren). High Point Monument fell to 25° on the 9th and 18° on the 10th. Berkeley Township (Ocean) at 17° and Pequest at 19° were coldest on the 11th. Late in the month, High Point Monument dropped to 19° and High Point to 20°. On the warm side of the low temperature ledger, the 21st saw the coolest temperature of 47° at Berkeley Township and Pequest, while four stations never got below 58°. The 22nd saw a low of 49° at five stations with three as mild as 58°.

Precipitation remained rather sparse in March, as it has been since January. The March 2012 average of 1.98" was 2.25" below normal and ranked as the 10th driest since 1895 (Table 4). This total and those for March discussed below include precipitation that fell after morning observations were taken on February 29. Such is the manner in which National Weather Service and CoCoRaHS observations are made. Suffice it to say that the February 29 morning to March 1 morning observations taken on March 1 were not included in February evaluations. Nor were the very light totals that followed morning observations on March 31 (the bulk of the March 31 rain fell in the pre-dawn hours, thus is included in the March totals).

From January through March, 6.15" of rain and melted snow fell across NJ. This is 4.42" below the 1981-2010 mean of 10.57" and ranks as the 3rd driest first quarter of the year on record (Table 5). February-March precipitation totaled 3.32" and also ranks as the third driest such interval (driest was 2.72" in 2006). This has resulted in below-average

ground water levels and stream flow, however due to the record wet conditions in the last half of 2011, reservoir levels are running at or slightly above average. Dry surfaces along with warm days with low humidity resulted in brush fires across the state during the month, however all were quickly controlled.

Rank	Year	Mar. Prcp
1	2006	0.81"
2	1915	1.16"
3	1910	1.25"
4	1927	1.50"
4	1981	1.50"
6	1966	1.70"
7	1985	1.83"
8	1995	1.87"
9	1986	1.96"
10	2012	1.98"
11	1976	2.06"
12	2009	2.07"
13	1938	2.09"
14	1918	2.10"
15	1964	2.11"

Table 4. The fifteen driest Marches across New Jersey since 1895.

Rank	Year	Jan.-Mar. Prcp
1	2009	5.68"
2	1985	5.73"
3	2012	6.15"
4	1981	6.38"
5	1927	6.72"
6	2002	7.27"
7	1946	7.32"
8	1992	7.38"
9	1995	7.42"
10	1954	7.63"

Table 5. The ten driest January-March intervals across New Jersey since 1895.

Southern areas were wettest in March, with Linwood (Atlantic) totaling 3.10", Estell Manor (Atlantic) 3.09", and Upper Township (Cape May) 3.00". In the north, only 1.18" fell in Glen Rock (Bergen), 1.21" in Jefferson Township (Morris), and 1.23" at Wantage (Sussex).

The event on February 29th into March 1st brought 1.90" of rain to Woodbine (Cape May), and 1.79" and 1.65", respectively, to the Cape May townships of Dennis and Upper. Rainfall was less farther north, with less than a half inch in the northern half of the state. The only accumulating snow of the month fell in the north, with Wantage receiving 2.3", Layton (Sussex) 1.5", and 1.2" in Montague (Sussex) and West Milford (Passaic). From the evening of the 2nd into the 3rd southern counties were again wettest. 1.59" fell in Estell Manor (Atlantic), 1.54" in Hamilton Township (Atlantic), and 1.41" in Bridgeton (Cumberland). Most of the remainder of the state had about a third of an inch.

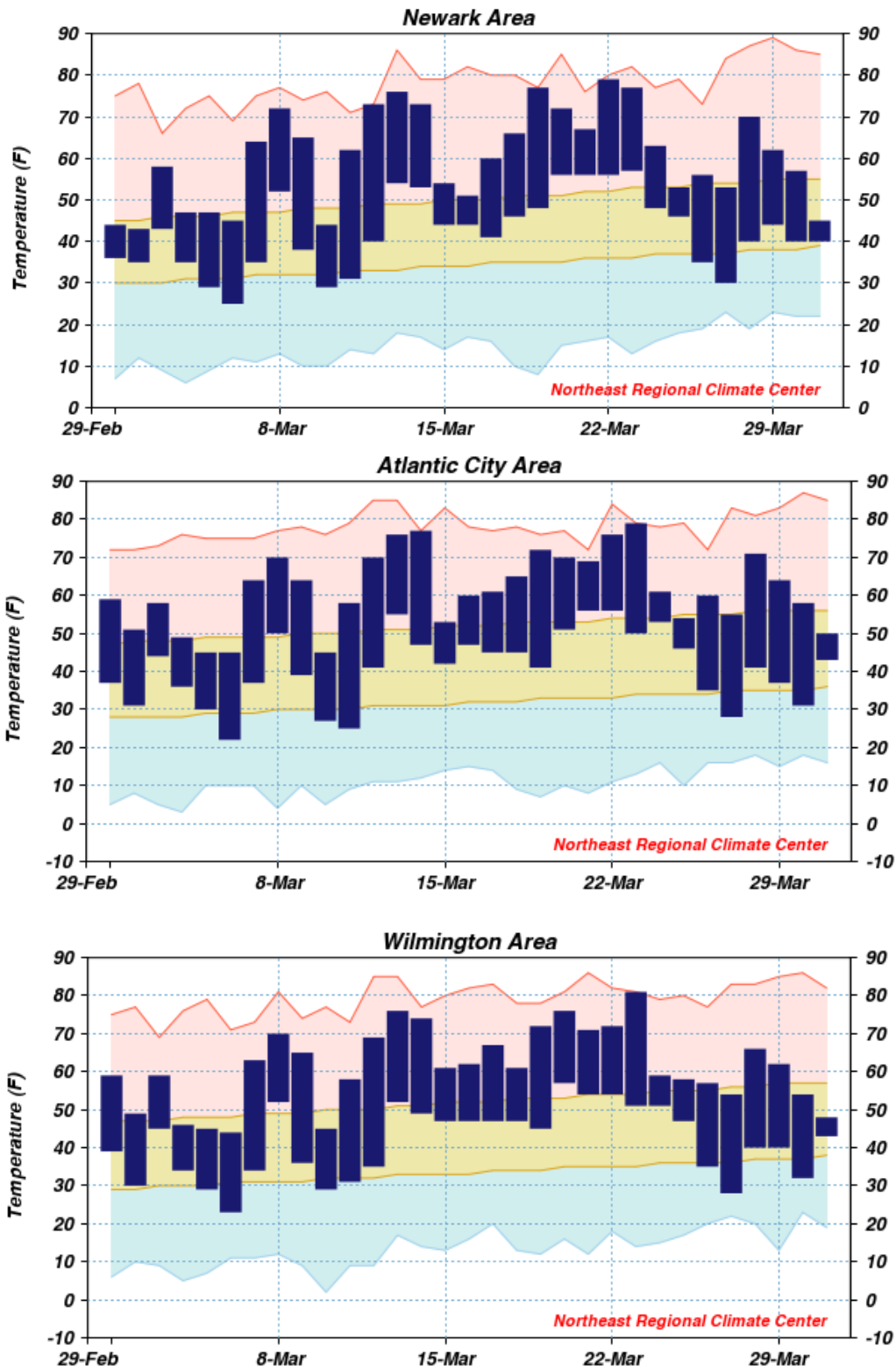
Rain returned on the 9th with 0.50" in Newton (Sussex), 0.26" in Hardyston (Sussex), and less than 0.10" in the southern half of NJ. The morning of the 13th saw 0.33" in Little Egg Harbor (Ocean), and 0.29" in both Stafford Township (Ocean) and Berkeley Township (Ocean). Most other areas had under 0.10". Counties adjacent to Delaware Bay and the Atlantic received several tenths of an inch of rain late on the 24th. Upper Township had 0.46" and 0.45" fell in Jackson Township (Ocean) and Belmar (Monmouth). Most other areas saw under 0.10". Rain late on the 30th into the 31st brought 0.77" to Peapack-Gladstone (Somerset), and 0.75" to Old Bridge (Middlesex) and Morris Township (Morris). Most of central NJ saw 0.50"-0.75" with other areas, except a drier south, catching 0.25"-0.50".

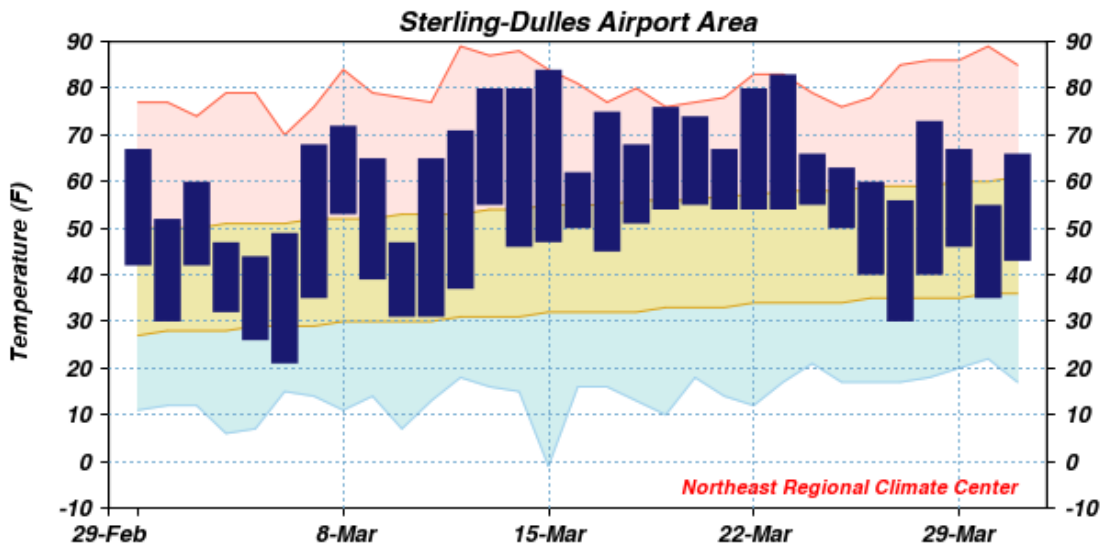
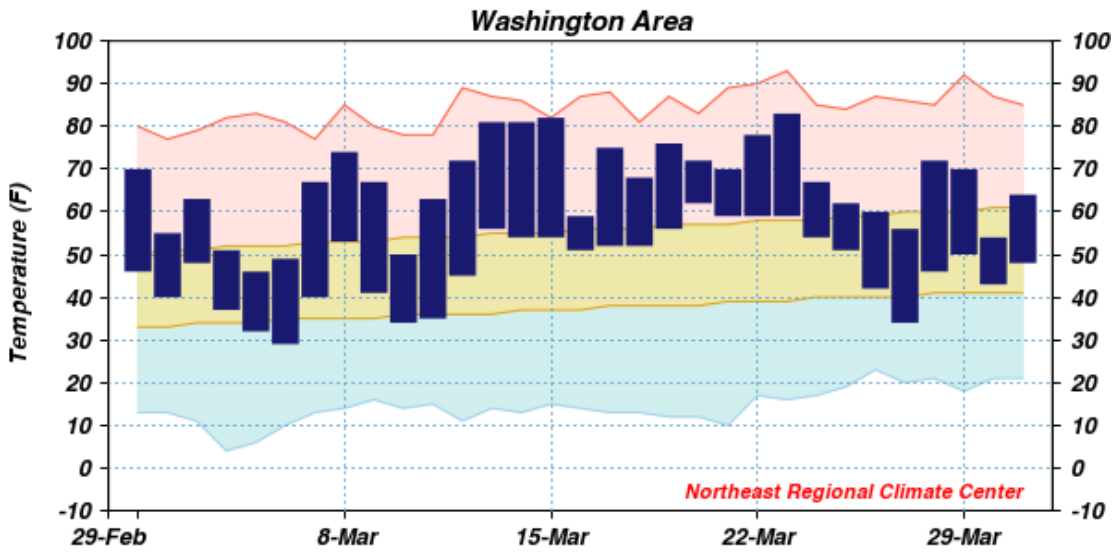
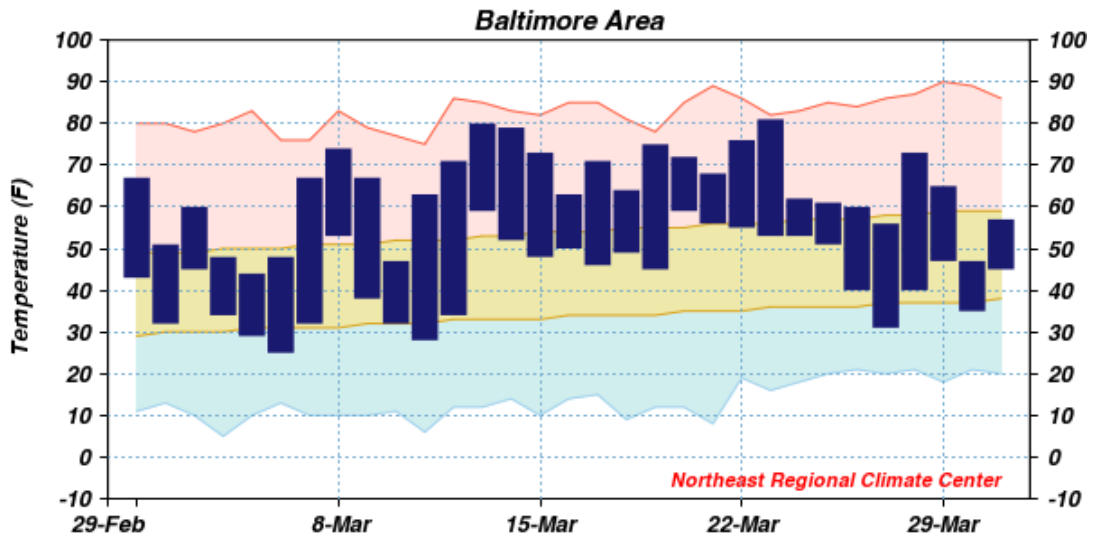
Fog, sometimes with drizzle, was observed on a number of mornings during the mid-month warm spell, causing some but not many travel disruptions. Days with fog included the 17th and the 19th-23rd. Flurries were seen in north Jersey on the 4th, 5th, and 9th with no measurable accumulations. Sleet was observed briefly in central NJ late evening of the 30th. Pea-size hail was observed in a Somerville (Somerset) thunderstorm on the 24th, with thunderstorms also noted across south Jersey on the 3rd.

March 2012 was not a particularly windy one, however winds gusted to 40 mph or higher at one or more locations on nine days. Gusts reached 47 mph at High Point Monument and 40 mph at Wantage in Sussex County on the 3rd. Atlantic City Marina (Atlantic) reached 42 mph on the 7th. The Marina and High Point Monument gusted to 49 mph on the 8th, with five other stations peaking between 40 mph and 47 mph. The Marina reached 50 mph and the Monument 49 mph on the 9th, with the latter location up to 41 mph on the 10th. The windiest day of the month was the 26th, with High Point Monument reaching 56 mph, Wantage 52 mph, and six stations between 40 mph and 46 mph. Seaside Heights saw a gust to 46 mph on the 27th, the Marina 40 mph on the 28th, and the 29th brought a 51 mph gust to the Monument and 42 mph to Wantage.

The lowest monthly barometric pressure was achieved on the 3rd when readings were in the mid 29.40"s. Three days later on the 6th the month's maximum pressure in the mid 30.60"s was reached.

DAILY AVERAGE TEMPERATURES AND THE 30-YEAR NORMAL



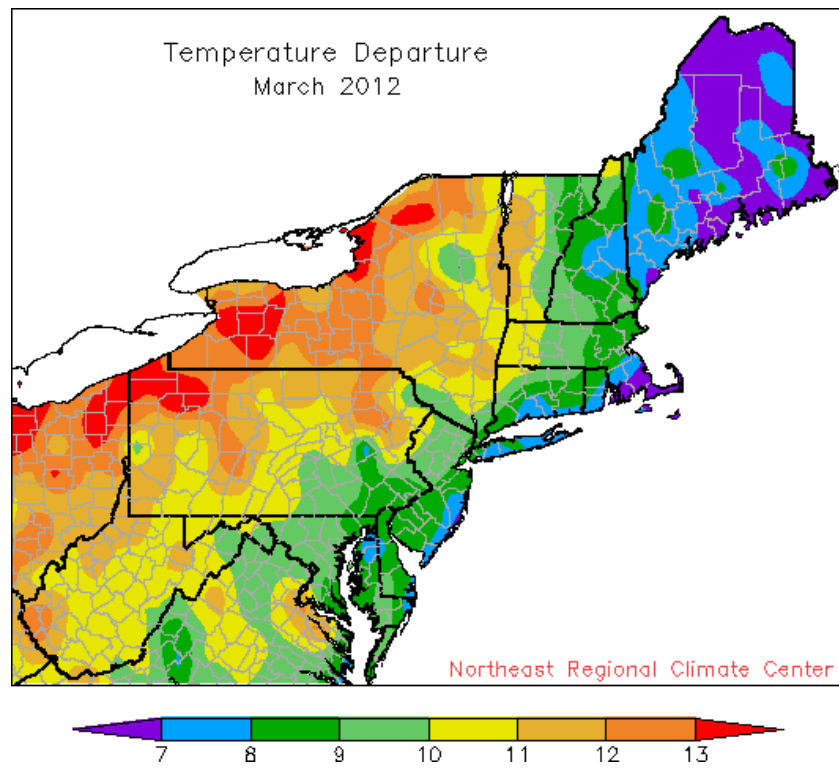
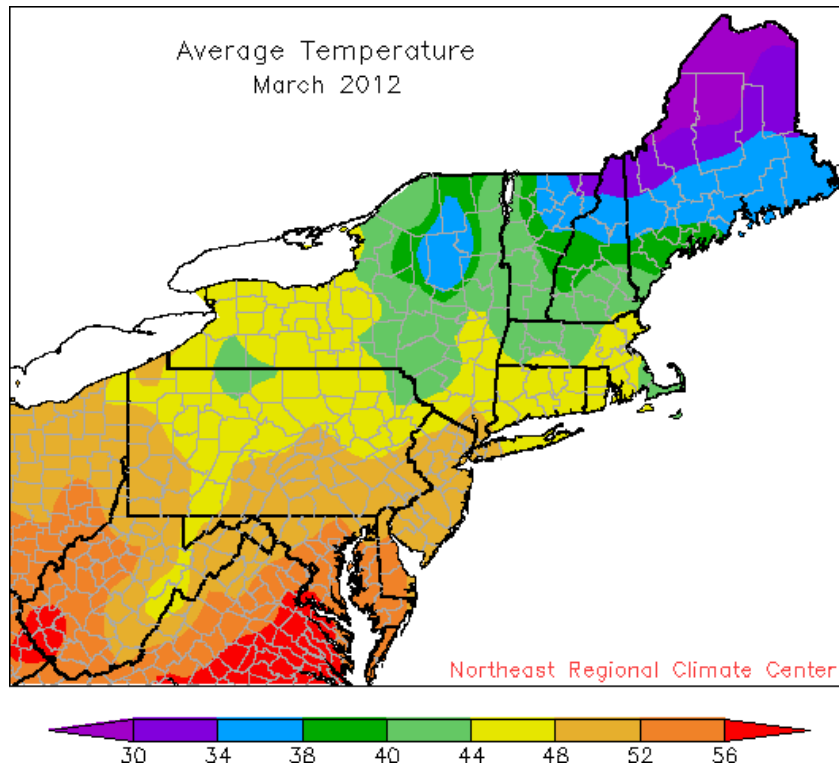


Area between normal max and min temperatures has tan shading.

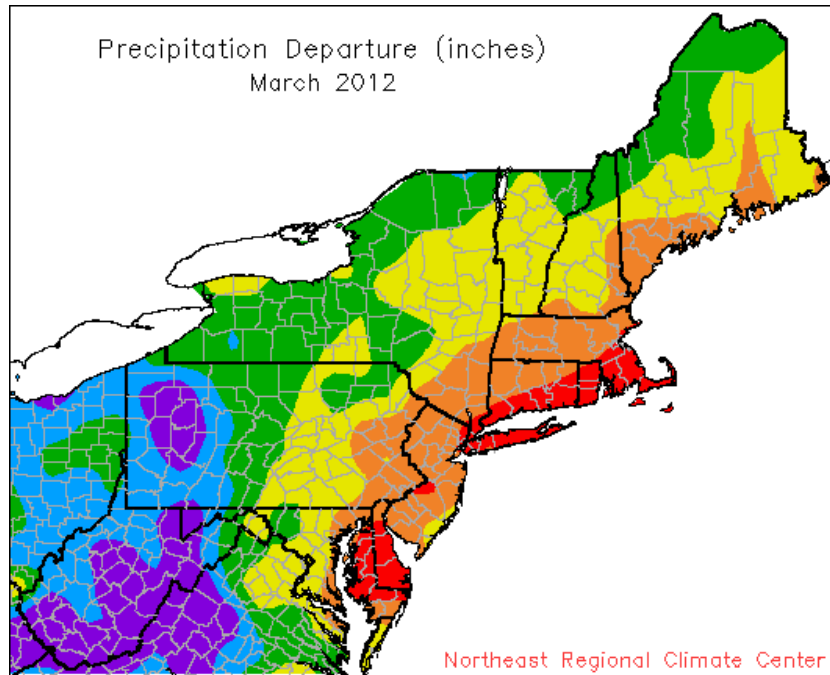
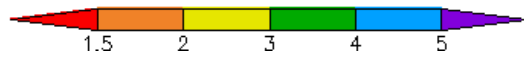
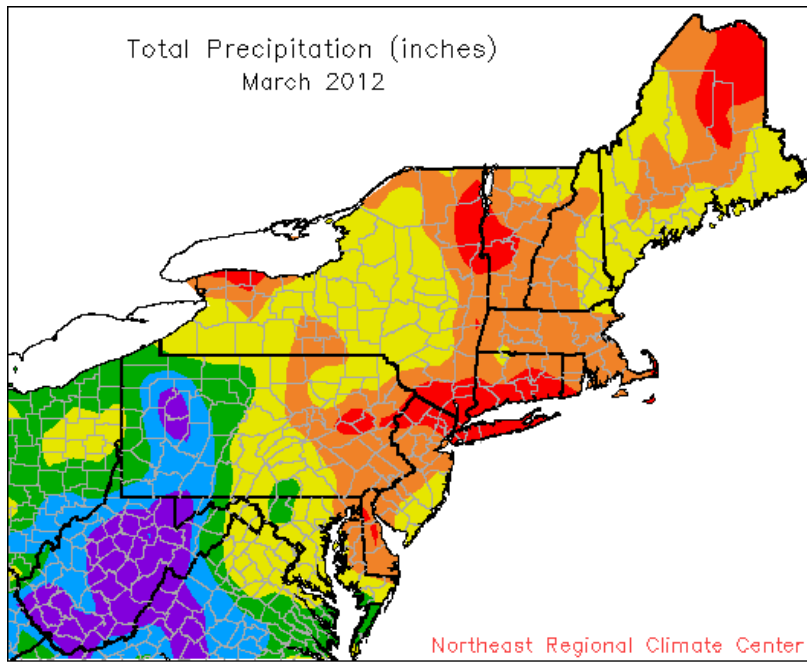
Red line connects record high temperatures.

Light blue line connects record low temperatures.

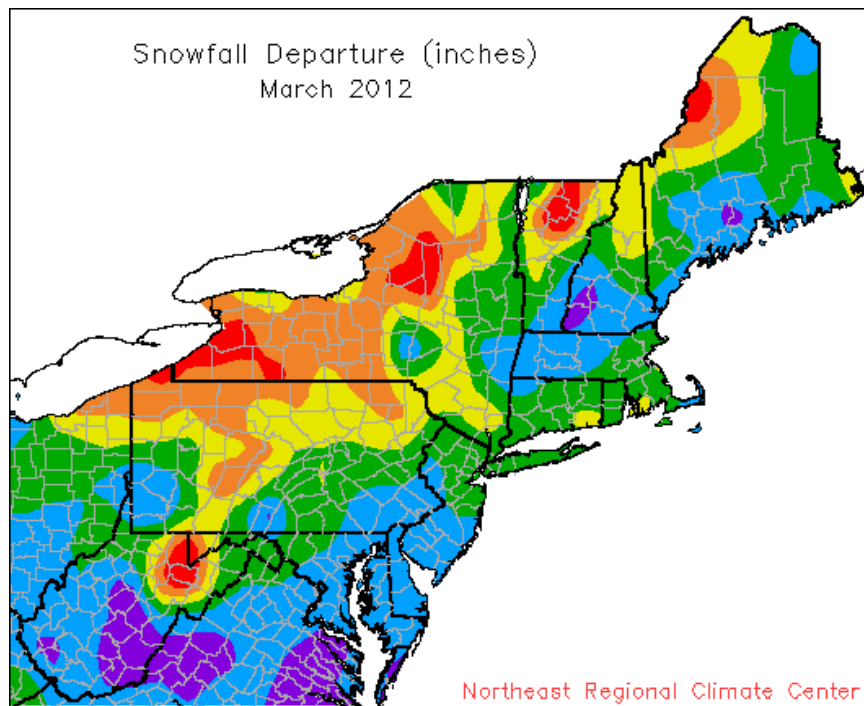
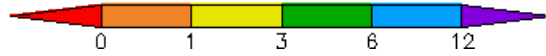
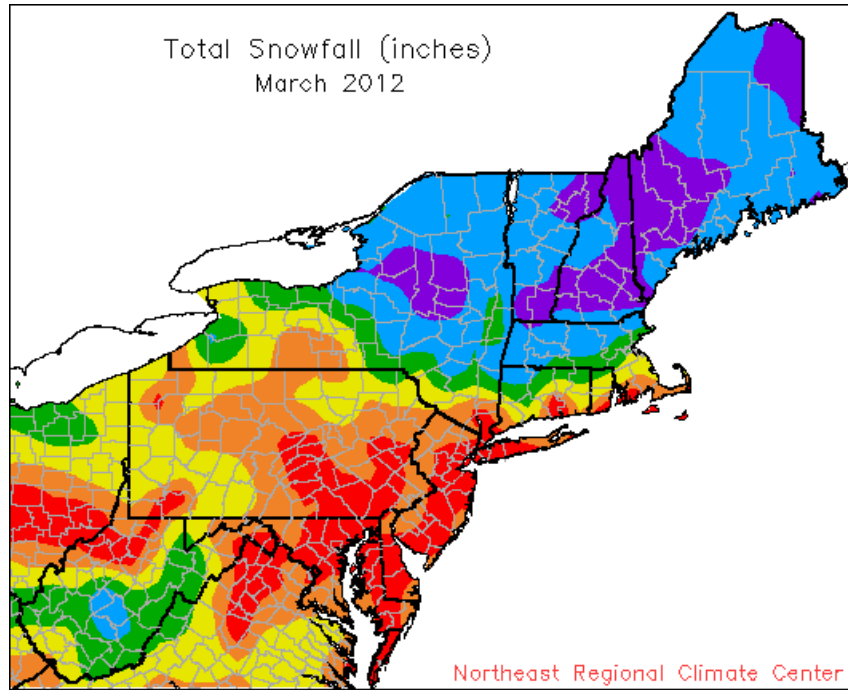
MONTHLY TEMPERATURE MAPS



MONTHLY PRECIPITATION MAPS



MONTHLY SNOWFALL MAPS



PRELIMINARY MONTHLY SUMMARIZED DATA MARCH 2012

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 50+	DAY 32-	MON 32-	DAY 0-	MON TOT	DEPRT	DAYS 0.1+	DLY MAX	DAY	MON TOT	DLY MAX	
-DE: NORTHERN-																		
BEAR 2 SW	61.5	40.6	51.0	8.9	81	23	23	6	25	0	9	0	0.78	-3.45	2	0.23	24+	0
WILMINGTON NEW CAS	61.4	41.4	51.4	8.4	81	23	23	6	25	0	7	0	0.92	-3.00	4	0.30	24	0
WILMINGTON PORTER R	60.1	40.5	50.3	8.0	77	23	27	6	26	0	5	0	1.23	-3.29	5	0.30	2	0
-DIVISION-			50.9	8.2									0.98	-3.19				0
-DE: SOUTHERN-																		
DOVER	64.0	42.4	53.2	8.0	80	23	26	6	30	0	6	0	1.33	-2.98	3	0.76	1	NM
-DIVISION-			53.2	8.7									1.33	-2.95				
-STATE-			52.7	8.6									1.25	-3.00				0
-MD: SOUTHEASTERN-																		
SALISBURY WICOMICO	65.4	42.6	54.0	9.3	82	23	25	11	28	0	6	0	1.13	-3.29	6	0.24	13	
-DIVISION-			54.0	8.6									1.13	-3.27				
-MD: CENTRAL EAST-																		
ROYAL OAK 2 SSW	64.9	45.2	55.1	8.6	80	23+	29	6	29	0	2	0	1.21	-3.15	3	0.38	24	0
-DIVISION-			55.1	9.4									1.21	-3.03				0
-MD: LOWER SOUTHE-																		
MECHANICSVILLE 5 N	65.6	40.1	52.8	8.2	82	16	24	7+	28	0	11	0	2.37	-1.84	3	1.56	1	
SOLOMONS	62.0	46.1	54.0	7.8	78	14	31	6	26	0	1	0						
-DIVISION-			53.4	8.3									2.37	-1.83				
-MD: UPPER SOUTHE-																		
BALTIMORE WASH INT	64.2	43.2	53.7	10.1	81	23	25	6	26	0	7	0	1.76	-2.14	3	0.69	24	T
BELTSVILLE	63.4	42.0	52.7	9.0	82	24	24	6	27	0	7	0	3.08	-0.60	4	1.50	1	0
DALECARLIA RSVR	65.5	43.1	54.3	8.8	83	24+	26	6	27	0	4	0	2.91	-1.09	4	1.00	1	0
LAUREL 3 W	64.7	44.5	54.6	10.0	83	24+	26	6	27	0	4	0	1.89	-2.21	6	0.91	3	T
BALTIMORE DOWNTOWN	66.1	48.5	57.3	11.0	85	23	32	6	28	0	1	0	1.17	-2.69	3	0.58	24	NM
NATL ARBORETUM DC	68.1	43.5	55.8	9.6	87	24	25	6	29	0	5	0	4.01	0.29	4	1.86	3	
OXON HILL	65.9	43.1	54.5	9.1	84	16	27	7+	28	0	5	0	2.28	-1.50	3	1.41	1	T
UPPER MARLBORO 3 N	64.8	40.8	52.8	8.6	81	24	24	7+	27	0	9	0	2.51	-1.25	4	1.55	1	0
-DIVISION-			54.5	9.9									2.45	-1.49				0
-MD: NORTHEASTERN-																		
STEVENSVILLE	61.3	44.2	52.8	8.9	77	24	31	7	28	0	1	0	1.00	-3.18				0
-DIVISION-			52.8	8.8														0
-MD: NORTHERN CEN-																		
ABERDEEN PHILLIPS	61.1	40.3	50.7	7.7	81	24	25	6	25	0	9	0						0
BRIGHTON DAM *	63.3	39.5	51.4		80	24	22	6										0
CONOWINGO DAM													1.78	-2.47	4	1.04	1	0
CYLBURN	61.7	41.3	51.5	8.7	81	24	25	6	27	0	8	0	2.29		5	1.17	1	NM
DAMASCUS	62.2	43.3	52.8	10.6	82	15	22	6	26	0	5	0	1.86	-1.83	4	0.77	20	
EMMITTSBURG 2 SE	62.1	38.2	50.2	9.3	81	16	23	7+	26	0	12	0	3.63	-0.42	6	1.10	1	0
FREDERICK 2 NNE	64.0	40.1	52.1	10.4	83	24+	24	7+	27	0	10	0	3.87	0.13	5	1.43	1	NM
MILLERS 4 NE	63.6	41.1	52.4	11.5	80	23	19	6	28	0	9	0	1.70	-2.02	5	0.69	24	T
WESTMINSTER POL BR	62.6	39.2	50.9	8.6	82	24	23	6	27	0	10	0	1.89	-1.70	5	0.95	1	0
-DIVISION-			51.5	9.0									2.54	-1.37				0
-MD: APPALACHIAN -																		
CUMBERLAND 2	66.1	39.0	52.5	8.8	86	24+	22	7+	29	0	12	0	3.97	0.60	6	1.45	1	NM
FROSTBURG 2	59.6	36.0	47.8	11.7	80	23	15	7+	22	2	14	0	4.17	0.23	5	1.60	1	
SHARPSBURG 5 S	63.1	36.5	49.8	8.6	82	24+	20	8+	26	0	15	0						
WILLIAMSPORT *	64.4	37.5	51.0	9.3	82	24+	22	7										
-DIVISION-			50.3	9.7									5.20	1.31				
-MD: ALLEGHENY PL-																		
OAKLAND 1 SE *	60.4	33.9	47.1	10.9	80	23	13	6										
KITZMILLER 1 W *	61.0	36.6	48.8		81	23	20	7+										NM
-DIVISION-			48.0	10.9														
-STATE-			52.5	9.2									2.40	-1.62				0
-NJ: NORTHERN-																		

STATION	TEMPERATURE (F)								PRECIPITATION (INCHES)															
	MONTHLY AVERAGES				EXTREMES			NUMBER OF DAYS			MONTHLY TOTALS			EXTREMES	SNOWFALL									
	AVG	AVG	MON	DEPRT	MON	DAY	MON	DAY	MAX	MIN	50+	32-	32-	0-	MON	DEPRT	DAYS	DLY	DAY	MON	DLY	DAY		
MAX	MIN	AVG		MAX	MIN									TOT		0.1+	MAX		TOT	MAX				
BELVIDERE BRG *	59.2	35.4	47.4	8.9	79	24	22	11+															0	
BOONTON 1 SE	59.1	37.5	48.3	9.6	79	24	24	7+	24	0	9	0		1.35	-2.57	4		0.44	31				0	
BOUND BROOK 2 W														0.94	-2.96	2		0.59	1		NM			
CANOE BROOK	59.2	39.3	49.2	9.9	77	24+	25	6	23	0	7	0		1.67	-2.53	3		0.56	31				0	
CHARLOTTEBURG RSVR	57.3	35.9	46.6	8.8	76	20	21	7+	22	0	13	0												
CHATHAM 2 W	61.1	35.4	48.3	9.4	83	24	17	6	25	0	13	0		1.62	-2.67	3		0.57	31				0	
CRANFORD	61.8	38.5	50.1	9.1	79	24+	21	6	25	0	6	0		1.60	-2.70	3		0.52	1				0	
FLEMINGTON 5 NNW *	59.7	36.4	48.2	9.0	80	24	21	6						1.78	-2.49	4		0.62	31					
HARRISON	59.5	40.4	49.9	7.7	79	23	25	6	23	0	7	0		1.48	-2.88	4		0.53	1					
LAMBERTVILLE														2.07	-2.20	4		0.76	1		NM			
NEWARK INTL AP	60.5	42.1	51.3	9.2	79	22	25	6	24	0	5	0		1.05	-3.13	3		0.33	31				0	
PHILLIPSBURG EASTO	60.6	37.7	49.2	10.8	80	24	24	6	24	0	10	0		1.04		4		0.40	1				NM	
PLAINFIELD	62.1	41.9	52.0	9.9	80	23	22	5	26	0	6	0		1.27	-2.86	3		0.67	31				NM	
POTTERSVILLE 2 NNW	60.9	38.8	49.8		82	24+	21	6	24	0	7	0		1.46	-2.66	3		0.73	31				NM	
SUSSEX 2 NW	58.2	34.8	46.5	10.2	79	20	19	6	22	0	14	0		1.37	-2.36	4		0.37	1			0.5	0.5	1
WAYNE	60.0	40.4	50.2		77	23+	25	6	24	0	8	0		1.25		3		0.42	31+				0	
WERTSVILLE 4 NE	58.7	37.8	48.2	9.2	77	24	22	6	24	0	10	0		2.19	-1.84	6		0.75	1					
TOCKS ISLAND	58.8	37.1	47.9		77	24	21	6	22	0	12	0											NM	
-DIVISION-			48.9	9.6										1.47	-2.66								0.1	
-NJ: SOUTHERN-																								
ATLANTIC CITY INTL	61.6	40.9	51.2	9.0	79	23	22	6	27	0	7	0		2.10	-2.11	6		1.25	3				0	
ESTELL MANOR	61.8	38.3	50.1	7.9	82	24	20	6	27	0	11	0		3.12	-1.89	6		1.39	3				NM	
FREEHOLD MARLBORO*	60.5	39.5	50.0	8.9	79	23	22	6															NM	
HAMMONTON 1 NE	61.7	39.3	50.5	8.8	80	24	22	7	26	0	8	0		1.97	-2.20	4		0.80	1				0	
HIGHTSTOWN 2 W	60.5	36.7	48.6	7.7	79	20	21	6	24	0	12	0		2.05	-2.02	4		0.86	1				0	
INDIAN MILLS	62.8	39.7	51.2	9.4	80	23	23	11	29	0	9	0		0.50	-3.91	2		0.27	3				0	
MILLVILLE MUNI AP*	60.4	38.8	49.6	7.9	82	23	18	6						2.51	-1.59	6		1.72	3				NM	
MOORESTOWN *	63.4	41.8	52.6	8.9	78	23+	25	6															NM	
NEW BRUNSWICK 3 SE	59.9	38.6	49.3	8.8	78	24+	22	6	23	0	9	0												
SEABROOK FARMS	61.7	41.7	51.7		83	24	24	6	27	0	8	0		2.04		4		0.81	3				0	
SOMERDALE 4 SW	59.2	37.0	48.1		78	24	23	11+	25	0	12	0		1.98	-2.34	4		0.96	1					
TRENTON MERCER CO	62.3	42.7	52.5	11.1	81	23	27	6	25	0	6	0		1.15	-2.99	4		0.46	31				NM	
PHILADELPHIA MT HO	60.8	38.7	49.8		78	20	24	7+	26	0	9	0		1.81		5		0.86	1				0	
-DIVISION-			50.4	8.3										1.92	-2.42								0	
-NJ: COASTAL-																								
ATLANTIC CITY	54.4	43.3	48.8	5.5	73	15	29	7+	23	0	2	0		2.97	-1.05	4		1.32	3				NM	
BRANT BEACH HVN	53.9	42.2	48.0	6.4	68	24	28	7+	23	0	4	0		2.27	-1.70	4		0.78	1				NM	
CAPE MAY 2 NW	59.0	42.4	50.7	7.4	78	23	26	6	27	0	4	0		1.14	-3.12	4		0.33	24				0	
-DIVISION-			49.2	6.8										2.13	-1.96								0	
-STATE-			49.8	8.6										1.77	-2.47								0	

* = 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 2012

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-												
BEAR 2 SW	427	-284	3556	-930	2	2	2	2	140	112	140	112
WILMINGTON NEW CAST	419	-264	3483	-823	3	2	3	2	142	106	142	106
WILMINGTON PORTER RS	452	-252			2	1			121	88	121	88
-DE: SOUTHERN-												
DOVER	362	-252			4	2	4	2	157	102	157	102
-MD: SOUTHEASTERN SHORE-												
SALISBURY WICOMICO	341	-289	2889	-1046	7	5	7	5	201	145	201	145
-MD: CENTRAL EASTERN SHORE-												
ROYAL OAK 2 SSW	307	-270			6	4	6	4	215	152	215	152
-MD: LOWER SOUTHERN-												
MECHANICSVILLE 5 NE	375	-259	3425	-730	5	2	5	2	181	123	181	123
SOLOMONS	335	-248	2766	-701	2	2	2	2	186	135	186	135
-MD: UPPER SOUTHERN-												
BALTIMORE WASH INTL	350	-316	3254	-1007	10	9	10	9	197	153	197	153
BELTSVILLE	381	-283	3383	-847	7	5	7	5	180	133	180	133
DALECARLIA RSVR	331	-279			10	6	10	6	209	145	209	145
LAUREL 3 W	336	-299			22	19	22	19	218	161	218	161
BALTIMORE DOWNTOWN	265	-314	2534	-1133	35	34	35	34	274	211	274	211
NATL ARBORETUM DC	299	-288			18	14			235	168	235	168
OXON HILL	334	-273	3152	-734	15	14	15	14	215	154	215	154
UPPER MARLBORO 3 NN	376	-273	3360	-811	7	5	7	5	185	134	185	134
-MD: NORTHEASTERN SHORE-												
STEVENSVILLE	372	-281	3065	-824	1	0	1	0	160	124	160	124
-MD: NORTHERN CENTRAL-												
ABERDEEN PHILLIPS F	437	-244	3539	-675	2	1	2	1	142	106	142	106
CYLBURN	416	-272	3532	-849	5	5	5	5	161	130	161	130
DAMASCUS	383	-325	3589	-944	11	9	11	9	186	145	186	145
EMMITSBURG 2 SE	453	-296	3960	-813	1	1	1	1	145	118	145	118
FREDERICK 2 NNE	394	-328			3	3	3	3	179	157	179	157
MILLERS 4 NE	386	-362	3665	-1069	0	-1	0	-1	181	148	181	148
WESTMINSTER POL BRK	431	-275			2	0			157	116	157	116
-MD: APPALACHIAN MOUNTAIN-												
CUMBERLAND 2	394	-268			13	11	13	11	198	148	198	148
FROSTBURG 2	528	-370	4710	-915	1	1	1	1	137	116	137	116
SHARPSBURG 5 S	464	-272			2	2			154	124	154	124
-MD: ALLEGHENY PLATEAU-												
-MD: ALLEGHENY PLATEAU-												
-NJ: NORTHERN-												
BOONTON 1 SE	511	-303			0	0			105	92	105	92
CANOE BROOK	482	-315			0	-1	0	-1	116	97	116	97
CHARLOTTEBURG RSVR	562	-281			0	0			95	82	95	82

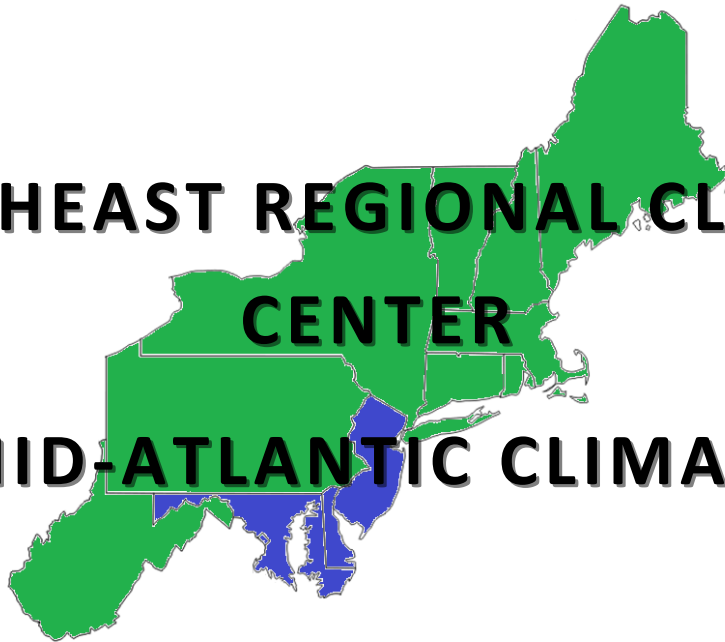
STATION	HEATING DEGREE DAYS (BASE 65)				COOLING DEGREE DAYS (BASE 65)				GROWING DEGREE DAYS (BASE 50)			
	MONTH	MONTH	SEASON	SEASON	MONTH	MONTH	SEASON	SEASON	MONTH	MONTH	SEASON	SEASON
CHATHAM 2 W	516	-293			4	4			118	105	118	105
CRANFORD	451	-293			1	1	1	1	131	107	131	107
HARRISON	464	-244			6	6			132	107	132	107
NEWARK INTL AP	421	-288	3331	-1013	5	4	5	4	145	116	145	116
PHILLIPSBURG EASTON	486	-340			3	3			128	117	128	117
PLAINFIELD	403	-308			7	6			163	134	163	134
POTTERSVILLE 2 NNW	471				7		7		136		136	
SUSSEX 2 NW	565	-326			0	0			92	82	92	82
WAYNE	456				1		1		134		134	
WERTSVILLE 4 NE	514	-290			0	0			112	95	112	95
TOCKS ISLAND	523		4176		0		0		110		110	
-NJ: SOUTHERN-												
ATLANTIC CITY INTL	419	-287	3251	-1046	2	2	2	2	136	103	136	103
ESTELL MANOR	458	-249	3507	-939	2	1	2	1	125	92	125	92
HAMMONTON 1 NE	445	-278			4	3	4	3	131	99	131	99
HIGHTSTOWN 2 W	497	-251			0	-1	0	-1	111	85	111	85
INDIAN MILLS	417	-303			0	-1			143	111	143	111
NEW BRUNSWICK 3 SE	480	-280	3691	-946	0	0	0	0	116	93	116	93
SEABROOK FARMS	409				5				154		154	
SOMERDALE 4 SW	517		4014		0		0		99		99	
TRENTON MERCER CO A	388	-344	3301	-1245	11	11	11	11	170	144	170	144
PHILADELPHIA MT HOL	463		3632		0		0		124		124	
-NJ: COASTAL-												
ATLANTIC CITY	493	-181	3026	-831	0	0	0	0	66	46	66	46
BRANT BEACH HVN	516	-209			0	0	0	0	59	46	59	46
CAPE MAY 2 NW	438	-235	3115	-813	0	0	0	0	106	81	106	81

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