

Northeast Regional Climate Center

Mid-Atlantic Climate

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CLIMATE DIVISION MAPS

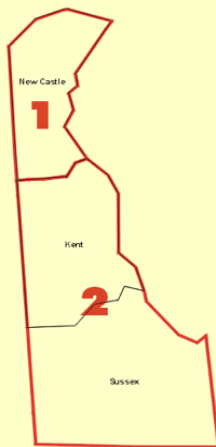
New Jersey



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

The Mid-Atlantic region had its 12th coldest March on record. The region's average temperature of 36.8 degrees was 5.7 degrees below normal, making it the coldest March since 1984. With a departure of -5.8 degrees, New Jersey had its 11th coldest March on record. Maryland's departure of -5.9 degrees made it the state's 12th coldest March, while Delaware, with a departure of -4.8 degrees, had its 15th coldest March. Divisions ranking the month among their top 20 coldest are listed below. The region's highest and lowest temperatures occurred in Maryland. Salisbury's Wicomico Airport, Snow Hill, and Cumberland reached 75 degrees on the 11th or 12th. The lowest temperature of -12 degrees happened in Oakland on the 1st. Looking at the region's airport climate sites, Washington Dulles, DC, had its coldest March on record. In addition, Baltimore, MD, and Atlantic City, NJ, set records for all time daily low temperature for March, while Washington Dulles, DC, tied its all time daily low temperature for March.

Climate Division Rank (coldest since 1895)

New Jersey

--Northern	6 th
--Southern	13 th

Maryland

--Appalachian Mtn.	2 nd
--North Central	6 th
--Upper Southern	12 th
--Northeastern Shore	13 th
--Lower Southern	16 th
--Central Eastern Shore	20 th

Delaware

--Northern	6 th
--Southern	13 th

After a wet February, the Mid-Atlantic wrapped up March with below-normal precipitation. The region's precipitation total of 3.89 inches was 94 percent of normal. In terms of percent of normal, Delaware was the driest state at 89 percent. Maryland saw 94 percent of normal, with two of its eight divisions ranking the month among their top 20 driest. New Jersey finished March at 96 percent of normal. Estell Manor, NJ, reported the greatest monthly precipitation total, 6.13 inches, while Harrison, NJ, had the greatest daily total, 2.83 inches on the 30th. As for snow, Cape May, NJ, accumulated 18.6 inches during the month, while Brighton Dam, MD, received 8.0 inches on the 17th. With multiple snowstorms during the month, Washington Dulles, DC, had its snowiest March on record.

Several storms affected the region through the month. From March 12-13, wind gusts of up to 66 mph caused tree and structural damage. Up to a foot of snow and high winds during a storm on St. Patrick's Day caused all runways at Washington National, DC, to be shut down. At the end of the month, a storm brought up to 9 inches of snow and nearly 4 inches of rain, which cause some flooding.

Daily Low Maximum Temperature Records (°F)

Station	Date	New	Previous
Washington Dulles, D.C.	4	29	32 in 2002
Newark, NJ	13	31	32 in 1980
Wilmington, DE	13	33	33 in 1926
Atlantic City, NJ	17	28	30 in 1916
Washington Dulles, D.C.	17	30	34 in 1976
Wilmington, DE	17	31	33 in 1956

Washington Dulles, D.C.	24	39	40 in 1983
Washington Dulles, D.C.	25	33	38 in 1974
Washington Dulles, D.C.	26	33	35 in 1971
Atlantic City, NJ	26	35	35 in 1947
Baltimore, MD	26	36	38 in 2001

Daily Minimum Temperature Records (°F)

Station	Date	New	Previous
Washington Dulles, D.C.	3	1	12 in 1980
Atlantic City, NJ	3	2	5 in 2009
Baltimore, MD	3	5	10 in 2009
Wilmington, DE	3	8	9 in 2009
Washington Dulles, D.C.	4	-1	6 in 1980
Baltimore, MD	4	4	5 in 1873
Washington Dulles, D.C.	24	19	21 in 1984
Atlantic City, NJ	27	12	16 in 2001
Washington Dulles, D.C.	27	15	17 in 2001
Baltimore, MD	27	20	20 in 2001
Wilmington, DE	27	21	22 in 2001
Newark, NJ	27	22	23 in 2001

Daily Precipitation Records (inches)

Station	Date	New	Previous
Wilmington, DE	29	1.51	1.40 in 1912
Newark, NJ	29	2.29	2.20 in 1984

Daily Snowfall Records (inches)

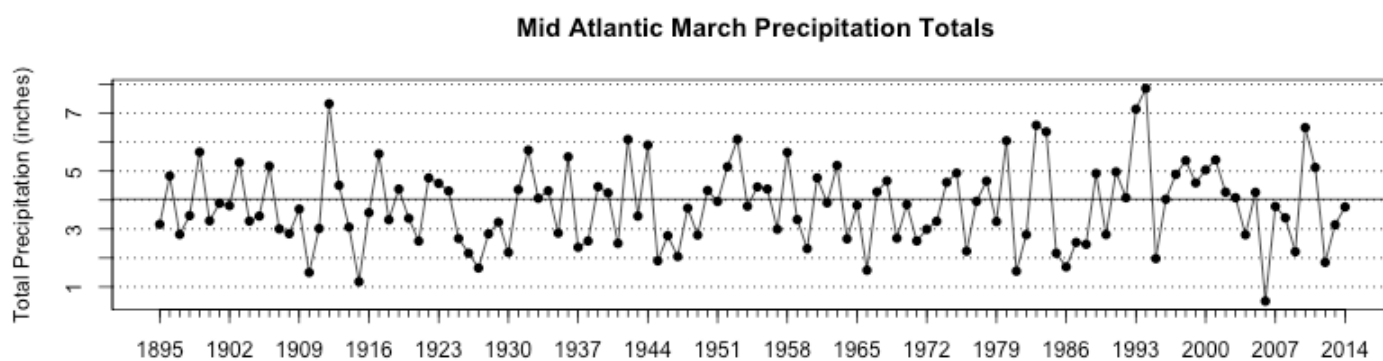
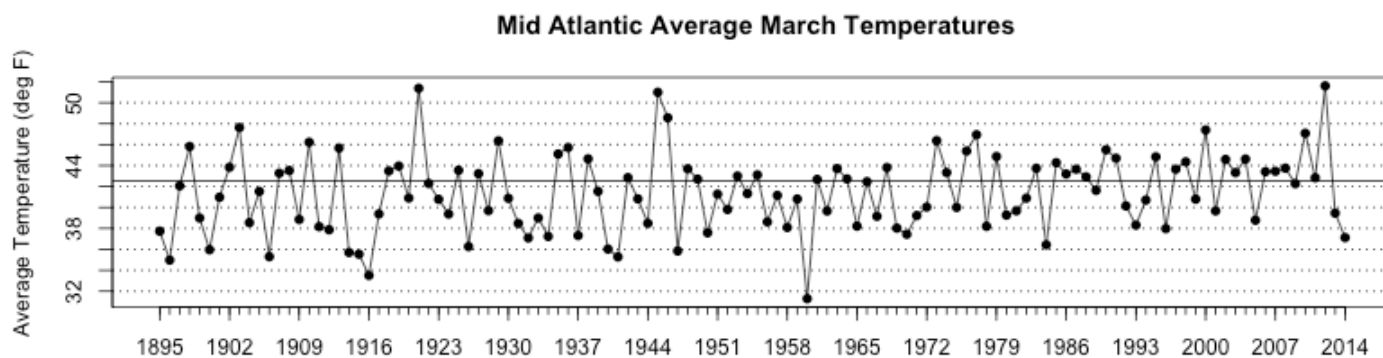
Station	Date	New	Previous
Washington Dulles, D.C.	3	4.9	4.9 in 1978
Atlantic City, NJ	16	2.2	1.7 in 1978
Washington Dulles, D.C.	16	6.6	1.6 in 1978
Wilmington, DE	17	2.5	2.4 in 1965
Atlantic City, NJ	17	3.7	1.6 in 1965
Washington National, D.C.	17	3.9	1.9 in 1965
Washington Dulles, D.C.	17	4.5	1.9 in 1965
Washington National, D.C.	25	1.7	1.5 in 1906
Washington Dulles, D.C.	25	3.8	3.2 in 2013
Atlantic City, NJ	25	3.9	2.0 in 2013
Atlantic City, NJ	26	0.3	0.1 in 2001

Monthly Snowfall Records (inches)

Station	New	Previous
Washington Dulles, D.C.	19.8	15.5 in 1993

Monthly Temperature Records (°F)

Station	New	Previous
Washington Dulles, D.C.	37.4	37.5 in 1984



The 2014 values depicted on these graphs are based on preliminary data.

Winter refuses to relinquish its grip on the Garden State

March 2014

Dr. David A. Robinson, New Jersey State Climatologist
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One of the most disruptive winters in recent memory continued to deliver cold weather throughout New Jersey during March. Three snow events brought over 20" of snow to Cape May County, yet failed to bring more than flurries to northern counties. The statewide average monthly temperature of 35.3° was 5.8° below normal. Thus March ranked as the 11th coldest since statewide records commenced in 1895 (Table 1). Rain and melted snow for the month averaged 4.11". This is 0.12" below normal and ranks as the 55th wettest of the past 120 Marches. Aside from the southern snows, the bulk of the precipitation fell in a soaking storm at month's end.

Rank	Year	March Temp
1	1916	31.3°
2	1960	31.7°
3	1896	33.6°
4	1906	33.9°
5	1941	34.2°
6	1940	34.3°
7	1926	34.7°
8	1914	35.0°
9	1900	35.1°
9	1984	35.1°
11	2014	35.3°
12	1915	35.6°
13	1937	35.7°
14	1934	36.1°
15	1895	36.2°
15	1932	36.3°
15	1947	36.2°

Table 1. The 17 coldest Marches across New Jersey since 1895.

Temperature

The enduring winter chill resulted in a December through March average statewide temperature of 31.9° (3.5° below the 1981-2010 normal 2.3°, below the 1895-2014 normal) ranking as the 20th coolest on record. Even more impressive is the 30.4° January-March average, which is the 10th coldest start of a year on record and the coldest since 1978, and before that, 1940 (Table 2). The 12 months ending with March is the coolest such interval (52.2°) since February 2003 – January 2004. However 47% of the 12-month intervals since 1895 have averaged cooler.

Rank	Year	Dec-Mar Temp
1	1904	29.9°
2	1912	28.4°
3	1895	28.9°
4	1934	29.2°
4	1978	29.2°
6	1940	29.3°
7	1905	29.6°
8	1920	29.8°
8	1918	29.8°
10	2014	30.4°
11	1914	30.6°
12	1970	30.7°
13	1994	30.8°
13	1941	30.8°
15	1923	30.9°

Table 2. The 15 coldest December-March intervals across New Jersey since 1895-1896.

Despite the cold, there were some mild afternoons scattered throughout the month. However the warmth was always quite fleeting. On nine days the temperature topped 60° at one or more locations. The first occasion was the 8th when Egg Harbor (Atlantic County), Woodbine (Cape May), and Mansfield (Burlington) reached 61°. Woodbine reached 70° on the 11th and Egg Harbor 69°. Statewide, this was the mildest day of the month, as 48 stations of the 54 in the [NJWxNet](#) got into the 60°s. The 71° maximum at Red Lion (Burlington) and Holmdel (Monmouth) on the 12th was the warmest of the month. Woodbine, Dennis Twp. (Cape May), and Greenwich (Cumberland) reached 65° on the 15th. Egg Harbor made it to 60° on the 20th. The 22nd saw Mansfield, Egg Harbor, and West Creek (Ocean) reach 68°, with a total of 49 stations in the 60°s. Toward the end of the month, Cherry Hill (Camden) and Greenwich topped out at 66° on the 28th, Oceanport (Monmouth) and Mullica (Atlantic) at 60° on the 29th, and Greenwich and South Harrison (Gloucester) 60° on the 31st.

Eleven March days had minimum temperatures in the single digits above or below zero at one of more NJ locations. As usual, Walpack (Sussex), tucked away in a northwest valley, was one the coldest locations on nine of these days. This began on the 1st when Walpack fell to -8°. Pequest (Warren) was next coldest that day at -1°, while 27 stations were in the positive single digits, with Atlantic City Marina (Atlantic) the “mildest” at 23°. Walpack and Berkeley Township (Ocean) were -3° on the 3rd. With fresh snow on the ground in the south on the evening of the 3rd the temperature fell to 2° at the Atlantic City Airport station in Pomona (Atlantic). This was the coldest March temperature at this location based on records going back to 1958. The temperature rose several degrees before midnight and stayed above that mark through dawn. Elsewhere, the 4th dawned as the coldest morning of the month. Walpack plummeted to -9° and High Point Monument (Sussex) -1°, while 34 stations were between 0° and 9° and three coastal stations the least cold at 14°. The 5th saw Berkeley Township at 7° and Red Lion (Burlington) 8°. This cold spell continued on the 6th, with Walpack at 1° and three locations 4°, and into the 7th with Walpack at 5°.

High Point Monument fell to 7° on the 14th, with nearby High Point at 8°. Late in the month, unusual cold brought Walpack to 9° on the 24th, 7° on the 25th, and 9° on the 27th.

Precipitation and storms

With the 4.11" of average statewide precipitation in March, the average for the first three months of 2014 is 12.52". This is 1.95" above normal and ranks as the 24th wettest start to the year since 1895. Until the last several days of March, the month seemed destined to be one of close to average moisture in the south and one of the driest on record in the north. For instance, New Brunswick (Middlesex) would have ended the month as the 6th driest since 1893. That is until the statewide deluge arrived on the 29th, resulting in the location's 31st wettest March.

When all was said and done, the southeast came in as much as 2" above average and the northwest about 1.5" below average. Hammonton (Atlantic) took top honors with 6.94", followed by Woodbine (Cape May) with 6.18" and 5.88" at two locations, two Estell Manor (Atlantic) stations with 6.00" and 5.79", and Egg Harbor Township (Atlantic) at 5.85". On the low end, Montague (Sussex) received 2.62" during March, followed by Wantage (Sussex) at 2.76", Bernards (Somerset) 2.79", Hackettstown (Warren) 2.80", and Lebanon (Hunterdon) 2.86".

A rather remarkable and persistent storm track and the colder-than-average temperatures resulted in the southern half of the state being blanketed with moderate to heavy snow on three occasions. Meanwhile, the northern half was essentially shut out of anything but a few flurries. Wildwood Crest (Cape May) received 21.8" for the month, which amounts to more than the annual average in this part of the state. Sea Isle City (Cape May) caught 20.8", Woodbine 20.6", Estell Manor 17.1", and Egg Harbor Township 16.6". In addition to hefty totals in Cape May and Atlantic counties, over 10" fell over much of Cumberland, Salem, Gloucester, Ocean, and Burlington counties. Less than a half inch accumulated north of a line through central Mercer, southern Middlesex, and northern Monmouth counties.

For the state as a whole, the 5.9" average snowfall was 1.7" above normal and ranked as the 28th snowiest March since 1895. Southern counties (Burlington, Ocean and all counties south of there) averaged 11.9", which is 9.0" above normal and ranks 7th snowiest. Northern counties (Warren-Morris-Essex and north) averaged 0.1", which is 6.0" below normal. Only five Marches have failed to have measurable snow in the north, with this year joining five others at 0.1". Central counties averaged 0.4", or 4.5" below normal, which ranks 23rd lowest.

Temperatures in the upper teens and low 20s accompanied the first southern snowstorm of March on the 3rd. The southeast received 5.0"-7.0", as did a portion of Gloucester County. Less than an inch fell north of the previously mentioned March snow line from central Mercer through Middlesex and northern Monmouth counties. Ventnor (Atlantic) topped out at 7.0", followed by 6.5" in Belleplain (Cape May), 6.1" at Manahawkin (Ocean), and 6.0" totals at eight locations. Some rain preceded the snow in the south, and together the rain and melted snow amounted to 1.24" and 1.01" in Sea Isle City, 1.20" at Wildwood Crest, and 0.98" and 0.88" in Woodbine, all in Cape May County.

After a mild day on the 12th an evening squall line barreled through NJ, resulting in local downpours and plummeting temperatures. Heaviest rains were in the southwest, with 0.70" at Pittsgrove (Salem), 0.66" in Upper Deerfield (Cumberland), and 0.65" in Clayton (Gloucester). The bulk of the state received 0.10"-0.30".

From late on the 16th into the 17th another significant snow event whitened the south but left the north unscathed. The cut off line for snowfall was remarkably similar to the storm on the 3rd, only this time southern totals were a bit heavier. Totals increased steadily toward the south, topping out at over 8" in extreme southern Atlantic County and all of Cape May County. Totals from Cape May included 11.1" at Wildwood Crest, 10.0" in Dennisville, and 9.8" in Woodbine. Maximum totals in other southern counties included 8.5" at Linwood (Atlantic), Newport (Cumberland) 6.8", Pittsgrove (Salem) 7.0", Clayton (Gloucester) 6.0", Somerdale (Camden) 5.1", Berkeley Township (Ocean) 6.5", and Medford and New Gretna (Burlington) both with 6.0".

Rain covered the state from the late afternoon of the 19th into the pre-dawn hours of the 20th. The northern half received 0.50"-1.00", with a bit more in the northeast, while 0.30"-0.50" fell in the south. Top totals included 1.31" in Cedar Grove (Essex), Denville (Morris) 1.27", Rockaway (Morris) 1.25", and Palisades Park (Bergen) 1.23".

Yet another snowstorm struck southern Jersey from the late afternoon of the 25th into the 26th. Cape May County again ruled supreme, with 6.5" in Cape May and North Cape May and 6.2" at Sea Isle City. Totals slackened to the north and northwest, with less than an inch accumulating northwest of the NJ Turnpike in southern areas, with a dusting to not even a flake north of Mercer, southern Middlesex, and Monmouth counties. Melted snow amounted to 0.76" of liquid in Woodbine, 0.69" at Wildwood Crest, and 0.61" in Sea Isle City.

Scattered rain showers on the 28th generally brought under 0.10" across NJ, except close to 0.25" in Cape May County. This was a light prelude to, thus far, the wettest storm of 2014 that soaked the state from the 29th through the morning of the 31st. The bulk of the heavy rain fell from the afternoon of the 29th into the early hours of the 30th. However occasional heavy showers persisted on the 30th, with the event ending as a mix of rain, sleet and snow on the 31st. There was little to no snow accumulation. When all was said and done, 3.00-3.50" fell across much of central portions, followed by about 3" in the central south (Figure 1). Generally 1.50"-2.00" fell in the northwest and southern Cape May County, with

amounts between 2.00"-3.00" over the remainder of NJ. Over the two-day period of the 29th-30th, the "Brunswicks" in Middlesex County captured top honors, with North Brunswick at 3.75", East Brunswick with 3.73", New Brunswick 3.33", and South Brunswick 3.27". Woodbridge (Middlesex) caught 3.51" and River Vale (Bergen) 3.47". Three Franklin Township (Somerset) gauges caught 3.37", 3.36", and 3.35", while Franklin Township (Gloucester) received 3.35". Minor flooding occurred on roadways and streams and on some rivers, including the Millstone River in Somerset County.

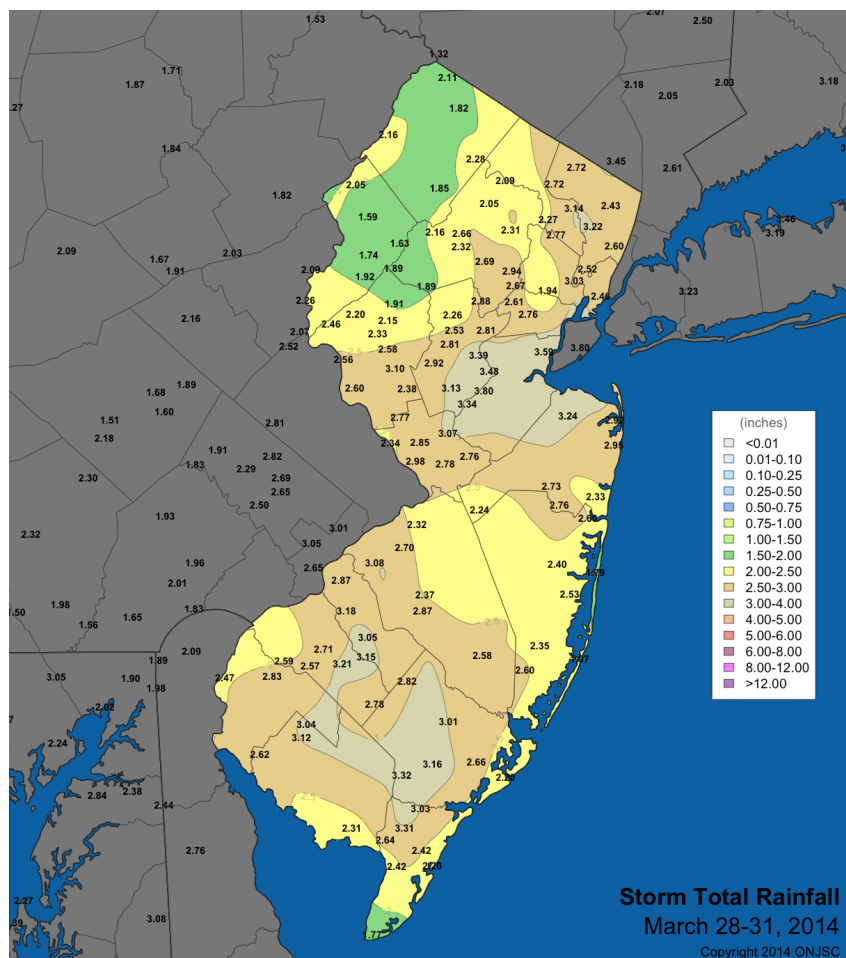
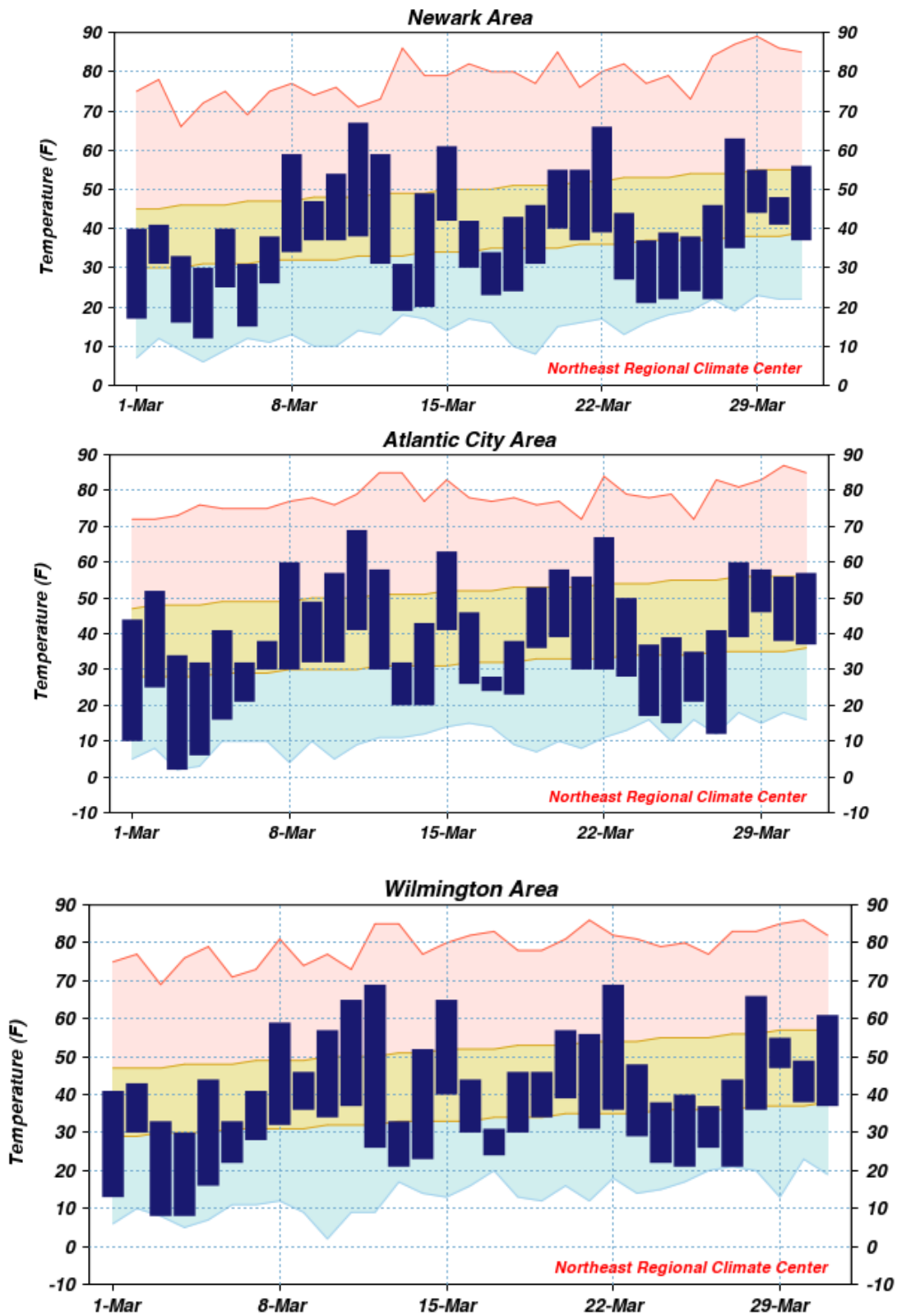


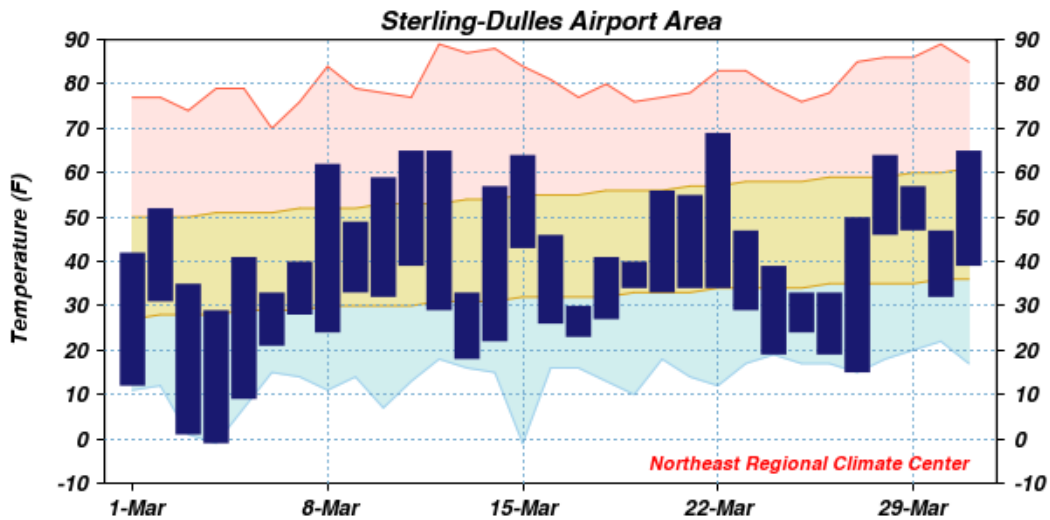
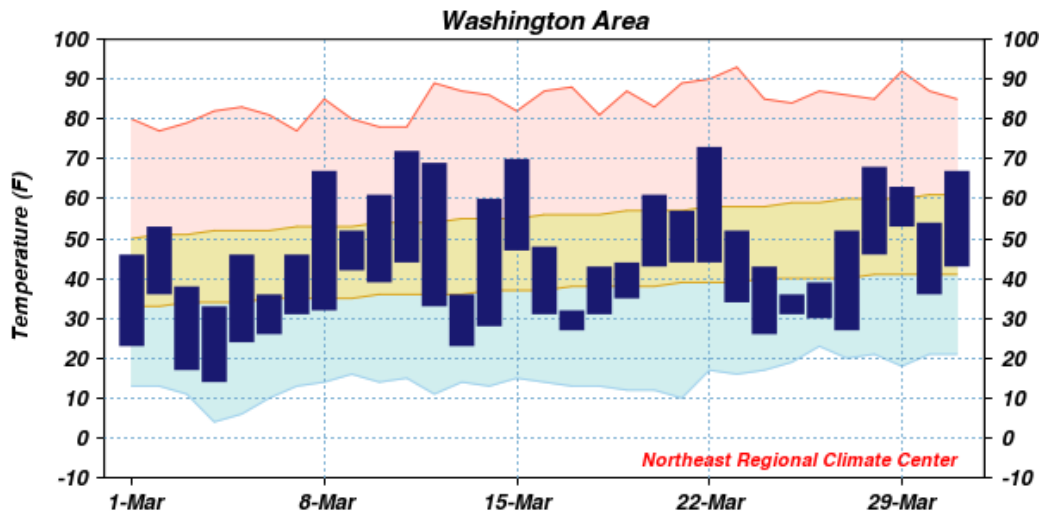
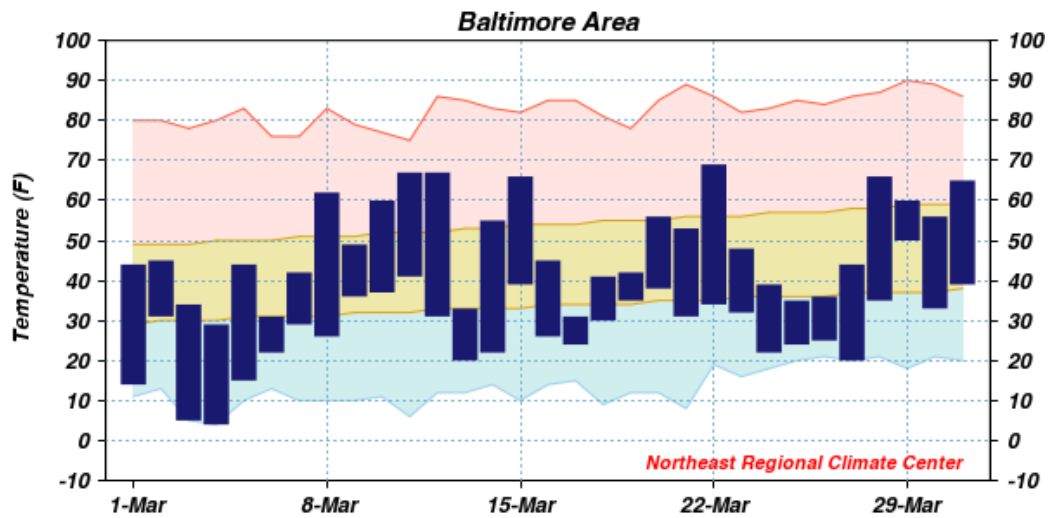
Figure 1. Rainfall totals from March 28-31, 2014.

The highest barometric pressure of the month was between 30.60" and 30.70" on the 6th. The lowest pressure was between 29.15" and 29.25" on the 13th. Winds gusted to 40 mph or higher on ten March days, from the 12th onward. On the 12th Wantage (Sussex) and High Point Monument (Sussex) peaked at 64 mph and 62 mph, respectively, with nine NJWxNet locations gusting into the 40-49 mph range. The 13th was even windier, with gusts of 62 mph at the Monument, 59 mph at Wantage, 56 mph in Harvey Cedars (Ocean), 51 mph at Seaside Heights (Ocean), and 40-49 mph gusts at sixteen stations, with twenty others in the 30-39 mph range. The 15th saw Harvey Cedars at 47 mph, High Point Monument at 44 mph, and 42 mph at Atlantic City Marina (Atlantic). Cream Ridge hit 43 mph on the 19th, Charlotteburg (Passaic) 42 mph on the 20th, and Wantage 41 mph on the 22nd. The Monument topped out at 54 mph on the 26th, with Wantage at 51 mph. The 27th saw 44 mph at Wantage and 43 mph at the Monument, and the 28th 44 mph in Cream Ridge (Monmouth). Wantage peaked at 41 mph on the 31st.

The strong winds on the 26th, generated from an extremely strong nor'easter off the New England coast, in concert with a quite dry March up to that point fanned the flames of a brush fire in the Meadowlands of Hudson and Essex counties. Service on the major Northeast Corridor train line was suspended for a short time.

DAILY AVERAGE TEMPERATURES AND THE 30-YEAR NORMAL





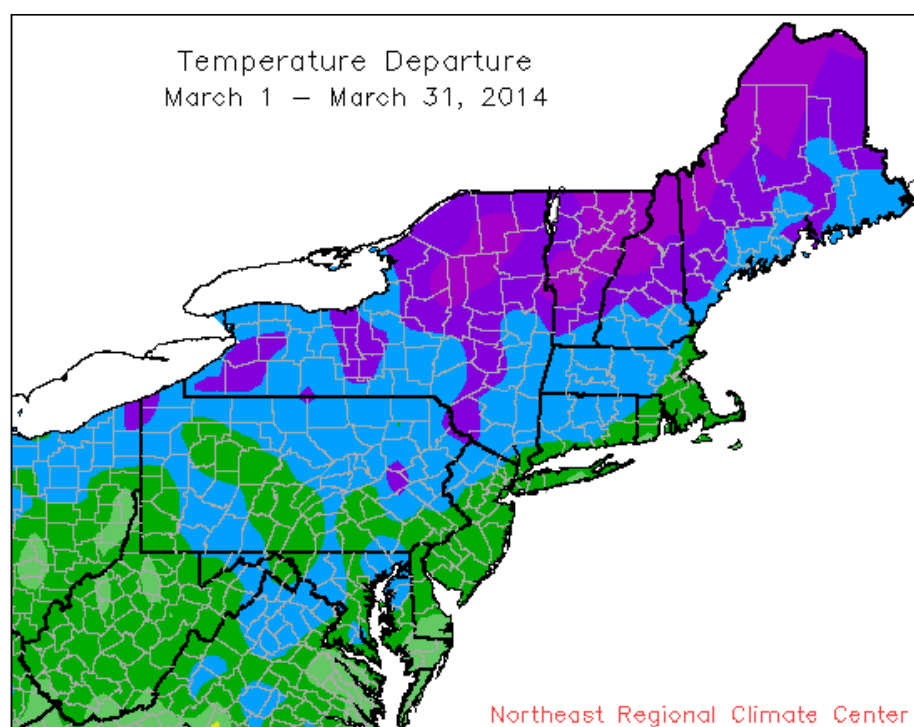
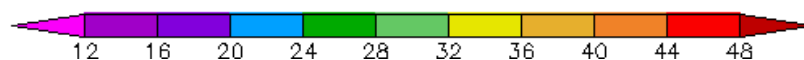
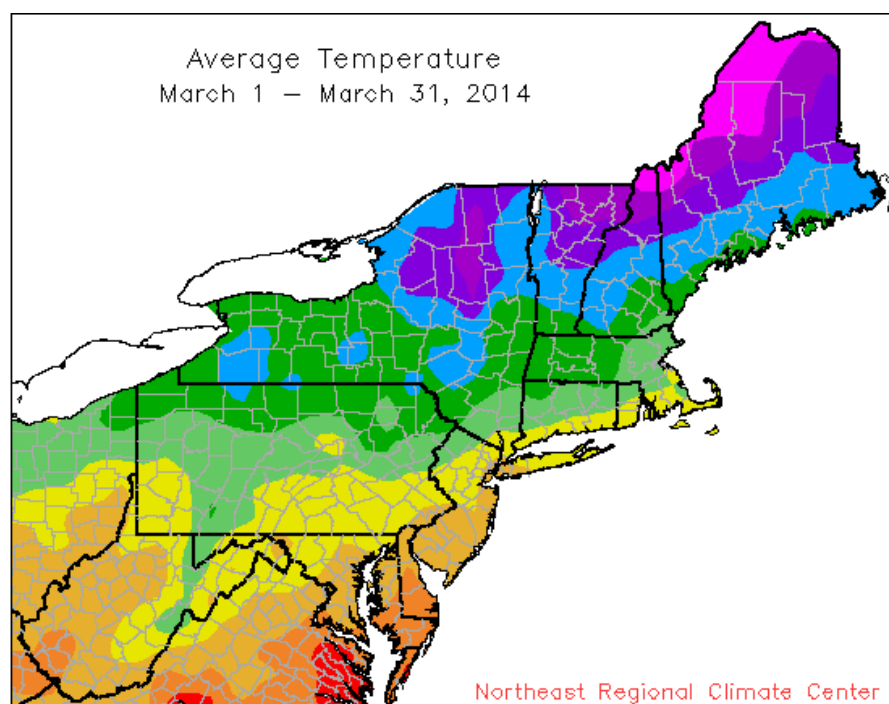
Observed daily maximum and minimum temperatures are connected by dark blue bars.

Area between normal max and min temperatures has tan shading.

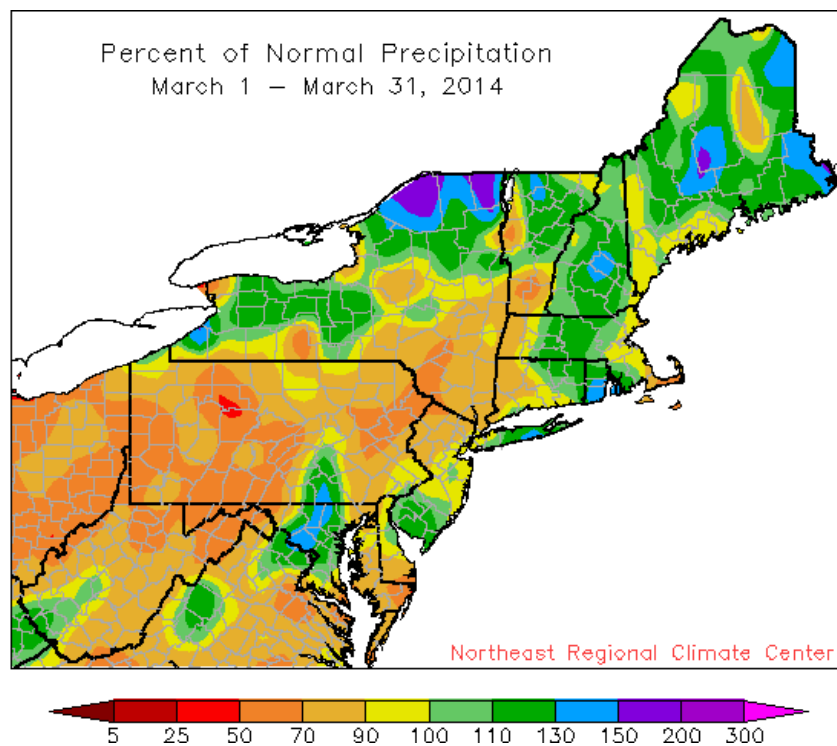
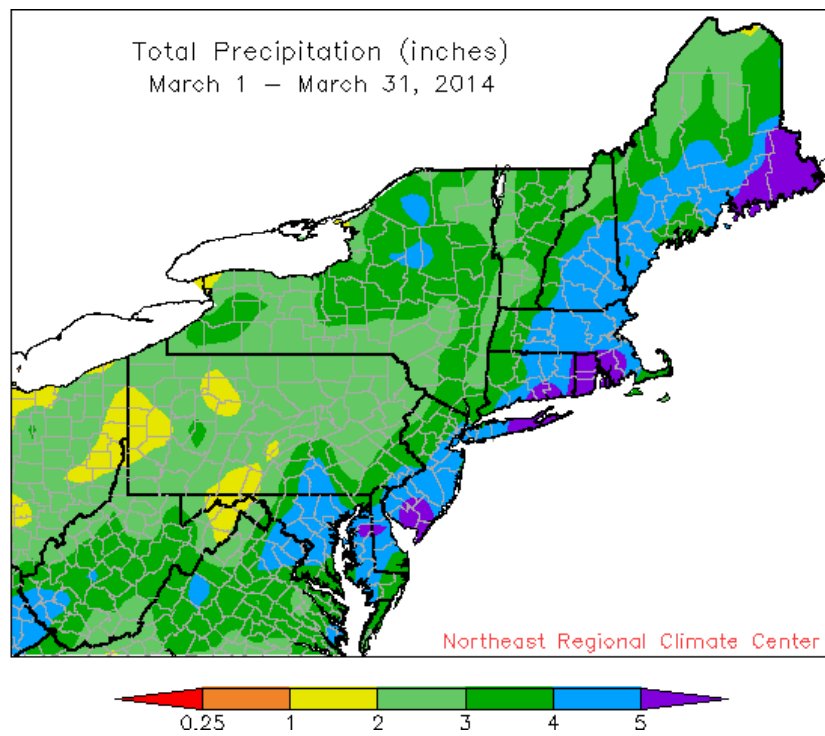
Red line connects record high temperatures.

Light blue line connects record low temperatures.

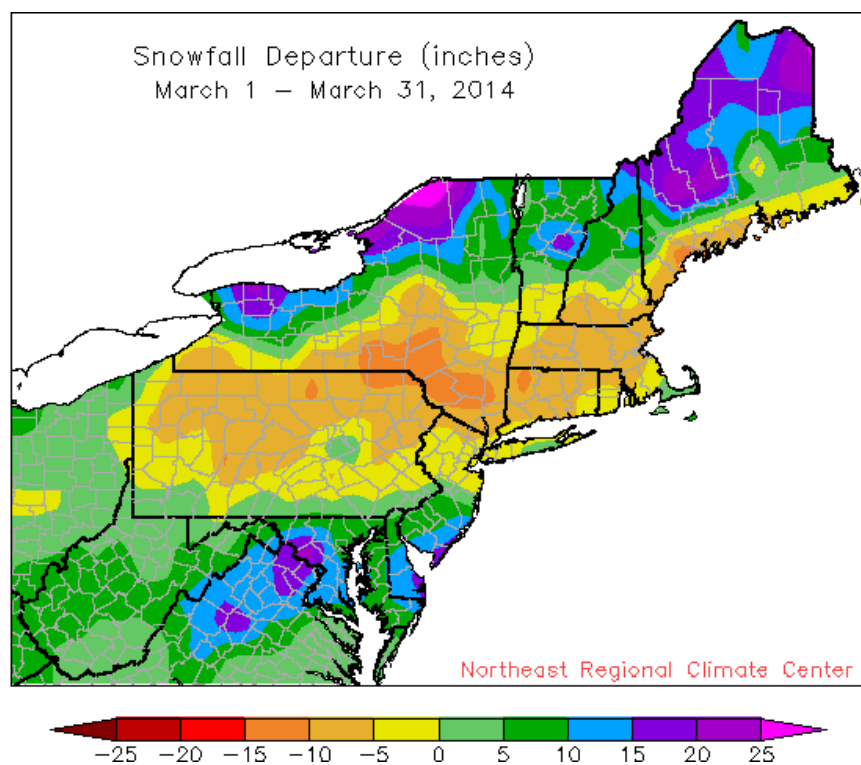
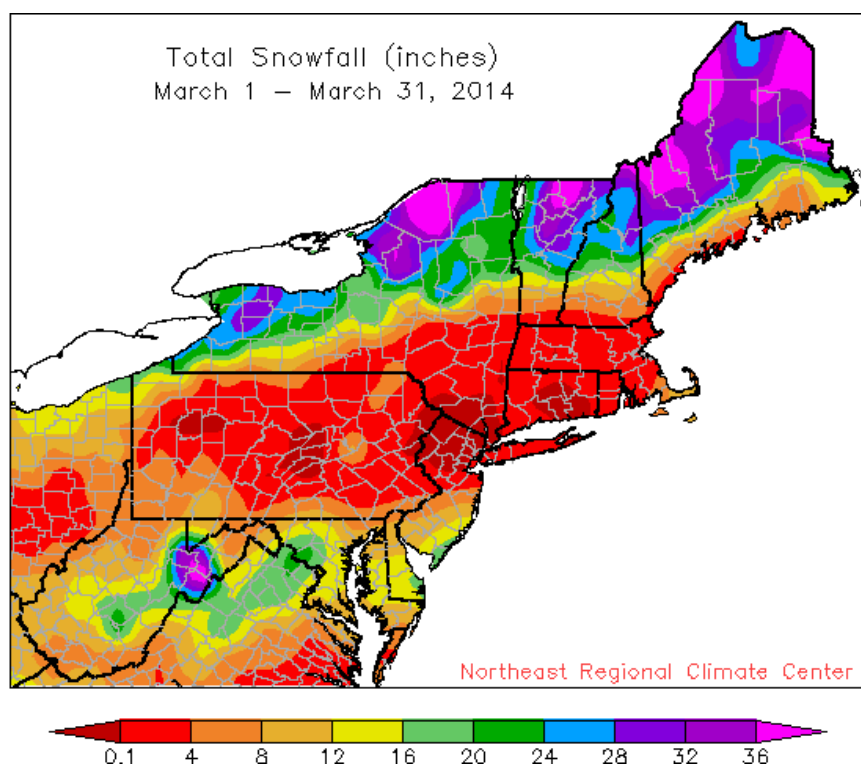
MONTHLY TEMPERATURE MAPS



MONTHLY PRECIPITATION MAPS



MONTHLY SNOWFALL MAPS



PRELIMINARY MONTHLY SUMMARIZED DATA MARCH 2014

TEMPERATURE (F)											PRECIPITATION (INCHES)									
STATION	MONTHLY AVERAGES				EXTREMES		NUMBER OF DAYS				MONTHLY TOTALS			EXTREMES		SNOWFALL				
	AVG	AVG	MON	DEPRT	MON	DAY	MON	DAY	MAX	MIN	0-	MON	DEPRT	DAYS	DLY	DAY	MON	DLY	DAY	
	MAX	MIN	AVG		MAX	MIN			50+	32-	32-	0-	TOT		0.1+	MAX	TOT	MAX		
-DE: NORTHERN-																				
WILMINGTON NEW CAS	48.3	28.2	38.3		69	22+	8	4+	12	2	20	0	3.82		6	1.51	29	7.7	4.5	3
WILMNGTON PORTER *	46.5	26.3	36.4		66	22	10	4					4.19		6	1.30	29			
-DIVISION-			37.3	-5.4									4.01	-0.16				7.7		
-DE: SOUTHERN-																				
DOVER	50.4	29.5	39.9		69	11	7	4	16	2	17	0								
-DIVISION-			39.9	-4.6									3.73	-0.55						
-STATE-			39.3	-4.8									3.79	-0.46				1.7		
-MD: SOUTHEASTERN-																				
SALISBURY WICOMICO	53.1	31.9	42.5		75	11	10	4	17	1	16	0	2.57		6	0.85	29	11.0	4.0	25
SNOW HILL 4 N	55.6	30.3	42.9		75	11	7	4	20	0	19	0	3.97		9	0.88	29			
SALISBURY 2N *	53.8	30.2	42.1		73	11	8	4					4.60		8	1.10	29			
-DIVISION-			42.5	-2.9									3.71	-0.69				11		
-MD: CENTRAL EAST-																				
ROYAL OAK 2 SSW	51.9	29.2	40.6		71	11	13	4	17	1	18	0	4.11		9	1.45	29	11.6	5.5	17
-DIVISION-			40.6	-5.1									4.11	-0.13				11.6		
-MD: LOWER SOUTHE-																				
MECHANICSVILLE 5 N	49.1	27.7	38.4		74	12	5	4	14	2	19	0	4.86		9	1.42	30			
ST INIGOES WEBSTER	51.2	31.9	41.5		73	11	17	4+	16	2	17	0	3.04		6	0.97	29	NM		
-DIVISION-			40.0	-5.1									3.95	-0.25						
-MD: UPPER SOUTHE-																				
BALTIMORE WASH INT	48.8	28.1	38.5		69	22	4	4	13	3	20	0	4.38		9	1.40	30	12.1	4.9	16
BELTSVILLE	46.9	27.6	37.3		69	23	3	4	13	4	21	0	4.01		7	1.19	31	12.5	7.0	17
DALECARLIA RSVR	48.6	27.3	38.0		70	23	7	5	14	2	20	0	5.27		7	1.41	17			
LAUREL 3 W *	51.0	30.4	40.5		70	22	9	4	18	3			4.88		8	1.25	29			
MD SCI CTR BALTIMO	49.7	32.4	41.1		70	22	16	4	15	2	16	0	4.20		9	1.50	30	NM		
NATL ARBORETUM DC	49.8	29.8	39.8		72	23	7	4	14	3	19	0	3.89		6	1.00	4			
OXON HILL	49.9	28.7	39.3		72	12	11	4	16	3	20	0	4.35		9	1.08	30	12.0	5.8	17
UPPER MARLBORO 3 N	47.9	26.6	37.3		72	12	4	4	13	3	20	0	3.87		7	1.22	30			
-DIVISION-			39.0	-5.6									4.36	0.42				12.2		
-MD: NORTHEASTERN-																				
STEVENSVILLE	45.3	29.9	37.6		67	23	14	1	11	4	19	0	3.78		7	1.41	30	13.5	6.3	17
-DIVISION-			37.6	-6.4									3.78	-0.40				13.5		
-MD: NORTHERN CEN-																				
ABERDEEN PHILLIPS	45.8	26.8	36.3		68	23	5	4	11	4	22	0								
BRIGHTON DAM *	45.6	25.4	35.5		67	23	1	4					4.74		8	1.25	31	15.0	8.0	17
CONOWINGO DAM	43.0	25.4	34.2		67	23	8	4	9	5	23	0	3.33		5	1.35	31			
CYLBURN *	44.9	26.4	35.6		68	23	9	4+												
EMMITSBURG 2 SE	46.3	22.6	34.5		68	23	-2	5+	11	5	23	2	3.08		6	1.50	30	14.0	5.0	4
MILLERS 4 NE	47.5	25.8	36.6		65	22	5	4	14	3	22	0	5.40		11	2.56	30	13.8	3.9	31
-DIVISION-			35.4	-7.1									4.14	0.23				14.3		
-MD: APPALACHIAN -																				
CUMBERLAND 2	48.4	24.9	36.6		75	12	5	1	13	2	22	0	1.59		3	0.85	30			
FROSTBURG 2	40.9	18.8	29.8		65	12	-7	1	9	7	28	1	2.20		5	1.01	30			
-DIVISION-			33.2	-7.4									1.90	-1.61						
-MD: ALLEGHENY PL-																				
OAKLAND 1 SE	42.4	17.4	29.9		66	12	-12	1	12	8	26	3	3.56		8	1.10	30	17.1	4.5	26
SAVAGE RIVER DAM *	42.0	21.9	32.3		64	29+	3	4	10	8			1.61		3	0.79	30			
SINES DEEP CREEK	43.1	17.6	30.3		62	29	-11	1	12	7	31	3	2.92		8	0.89	30			
KITZMILLER 1 W *	44.5	23.4	34.3		67	12	6	4	11	5								NM		
-DIVISION-			31.7	-5.4									2.70	-1.19				17.1		
-STATE-			37.4	-5.9									3.76	-0.26				10.7		
-NJ: NORTHERN-																				
BELVIDERE BRG *	41.7	17.1	29.5		62	23	3	1					2.82		5	1.31	30	0		
BOUND BROOK 2 W													3.85		4	2.12	30	1.0	1.0	3

TEMPERATURE (F)										PRECIPITATION (INCHES)										
STATION	MONTHLY AVERAGES				EXTREMES				NUMBER OF DAYS				MONTHLY TOTALS			EXTREMES		SNOWFALL		
	AVG	AVG	MON	DEPRT	MON	DAY	MON	DAY	MAX	MIN			MON	DEPRT	DAYS	DLY	DAY	MON	DLY	DAY
	MAX	MIN	AVG		MAX		MIN		50+	32-	32-	0-	TOT		0.1+	MAX		TOT		MAX
CANISTEAR RSVR													2.84		5	1.18	30	NM		
CANOE BROOK	43.3	24.5	33.9		64	23+	8	1	9	4	22	0	3.79		5	1.55	29	NM		
CHARLOTTEBURG RSVR	39.8	19.5	29.6		65	12	1	1	7	9	28	0	3.16		4	1.49	30			
CRANFORD	45.6	26.8	36.2		62	23	11	5	13	2	21	0	3.70		4	2.20	30	T	T	
FLEMINGTON 5 NNW *	42.8	23.5	33.5		64	23	9	4+	9	5			3.59		4	1.73	30			
HARRISON	44.0	26.2	35.1		68	12	9	1	10	5	20	0	4.09		4	2.83	30			
LAMBERTVILLE													3.54		4	1.77	30	NM		
NEWARK INTL AP	46.7	28.9	37.8		67	11	12	4	11	3	19	0	3.65		5	2.29	29	0.2	0.2	3
OAK RIDGE RSVR													2.88		5	1.13	30	NM		
PHILLIPSBURG EAST*	42.4	22.9	32.7		64	12	5	1										NM		
POTTERSVILLE 2 NNW	42.1	25.0	33.5		64	23	9	1	7	4	22	0	3.01		4	1.52	30			
SUSSEX 2 NW	38.4	18.5	28.4		60	12	-1	1	5	11	26	1	2.76		4	1.31	30	0		
WERTSVILLE 4 NE *	43.2	22.7	33.3		64	13	5	1					3.42		4	1.83	30			
RIEGELSVILLE													3.97		5	1.57	30	T	T	
TOCKS ISLAND	40.4	20.5	30.4		63	12	1	1	5	8	27	0						NM		
-DIVISION-			32.8	-6.5									3.40	-0.73				0.1		
-NJ: SOUTHERN-																				
ATLANTIC CITY INTL	47.8	26.4	37.1		69	11	2	3	15	4	23	0	5.00		8	2.28	29	15.6	5.5	3
ESTELL MANOR	47.6	26.0	36.8		68	12	5	4	14	5	23	0	6.13		9	2.54	30			
FREEHOLD MARLBORO*	46.1	25.7	36.2		70	13	9	4	11	5			4.05		6	2.59	30			
HAMMONTON 1 NE	47.5	25.0	36.2		69	13	6	4	14	3	21	0	4.51		9	2.15	30	7.0	3.0	17
HIGHTSTOWN 2 W	45.0	24.5	34.8		70	13	8	1	11	6	22	0	3.91		4	2.38	30	1.0	0.8	17
INDIAN MILLS	49.6	25.5	37.5		69	12	0	3	16	2	23	1	4.59		7	2.11	30	13.0	6.0	17
MILLVILLE MUNI AP*	47.6	25.6	36.6		65	22+	-1	3					4.03		5	2.29	29	NM		
NEW BRUNSWICK 3 SE	45.2	24.9	35.1		69	13	8	1	9	5	21	0	4.51		4	2.64	30	0.1	0.1	3
SEABROOK FARMS	46.7	27.8	37.2		66	23+	7	4	13	4	21	0	5.36		8	2.36	30	9.0	4.0	17
SOMERDALE 4 SW	48.3	28.5	38.4		71	13	7	4	12	2	19	0	5.06		6	2.01	30			
TRENTON MERCER CO	45.9	27.3	36.6		67	12	10	4+	11	4	21	0	3.33		4	1.71	29	NM		
PHILADELPHIA MT H*	46.0	26.1	36.3		70	13	9	1					4.05		5	1.98	30	5.7	2.5	17
-DIVISION-			36.6	-5.5									4.54	0.20				7.3		
-NJ: COASTAL-																				
ATLANTIC CITY *	47.2	32.9	40.1		65	22	15	4										NM		
CAPE MAY 2 NW	48.1	30.4	39.2		69	11	11	4	15	1	17	0	4.25		10	1.36	29	18.6	5.7	25+
LONG BRANCH OAKHUR	45.9	27.3	36.6		67	11	12	3	11	3	21	0	4.03		7	2.25	29			
-DIVISION-			38.6	-3.8									4.14	0.05				18.6		
-STATE-			35.4	-5.8									4.09	-0.15				5.5		
**= 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.																				

*= 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.

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PRELIMINARY MONTHLY DEGREE DATA MARCH 2014

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	820		4675		0		0		9		9	
-DE: SOUTHERN- DOVER	766				0				26		26	
-MD: SOUTHEASTERN SHORE- SALISBURY WICOMICO	689		3829		0		0		46		46	
SNOW HILL 4 N	677				0				42		42	
-MD: CENTRAL EASTERN SHORE- ROYAL OAK 2 SSW	750		4175		0		0		24		24	
-MD: LOWER SOUTHERN- MECHANICSVILLE 5 NE	815		4591		0		0		25		25	
ST INIGOES WEBSTER	719				0		0		37		37	
-MD: UPPER SOUTHERN- BALTIMORE WASH INTL	813		4570		0		0		17		17	
BELTSVILLE	854				0		0		19		19	
DALECARLIA RSVR	831				0		0		10		10	
MD SCI CTR BALTIMOR	734				0		0		31		31	
NATL ARBORETUM DC	775				0				30		30	
OXON HILL	787		4348		0		0		30		30	
UPPER MARLBORO 3 NN	850				0		0		22		22	
-MD: NORTHEASTERN SHORE- STEVENSVILLE	843		4437		0		0		14		14	
-MD: NORTHERN CENTRAL- ABERDEEN PHILLIPS F	882		4739		0		0		11		11	
CONOWINGO DAM	944		5250		0		0		3		3	
EMMITSBURG 2 SE	939				0		0		4		4	
MILLERS 4 NE	870		5117		0		0		9		9	
-MD: APPALACHIAN MOUNTAIN- CUMBERLAND 2	869		5029		0		0		21		21	
FROSTBURG 2	1083				0		0		4		4	
-MD: ALLEGHENY PLATEAU- OAKLAND 1 SE	1081				0				0		0	
SINES DEEP CREEK	1068				0				0		0	
-NJ: NORTHERN- CANOE BROOK	957				0				0		0	
CHARLOTTEBURG RSVR	1091				0				0		0	
CRANFORD	885		4746		0		0		4		4	
HARRISON	919		4855		0		0		8		8	
NEWARK INTL AP	834		4709		0		0		8		8	
POTTERSVILLE 2 NNW	969		5361		0		0		0		0	
SUSSEX 2 NW	1125				0				0		0	
TOCKS ISLAND	1064		5836		0		0		0		0	
-NJ: SOUTHERN- ATLANTIC CITY INTL	859		4719		0		0		9		9	
ESTELL MANOR	869		4741		0		0		13		13	
HAMMONTON 1 NE	886		4795		0		0		5		5	
HIGHTSTOWN 2 W	931				0				5		5	
INDIAN MILLS	845		4839		0		0		12		12	
NEW BRUNSWICK 3 SE	920		5011		0		0		2		2	
SEABROOK FARMS	852		4542		0		0		11		11	
SOMERDALE 4 SW	820		4737		0		0		16		16	
TRENTON MERCER CO A	873		4959		0		0		3		3	
-NJ: COASTAL- CAPE MAY 2 NW	792		4225		0		0		10		10	
LONG BRANCH OAKHURS	873				0				9		9	

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



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