Northeast Regional Climate Center Mid-Atlantic Climate

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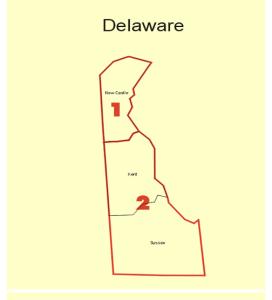
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CLIMATE DIVISION MAPS



New Jersey Climate Divisions

- 1 Northern
- 2 Southern
- 3 Coastal



Maryland

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 Mid-Atlantic returned to cooler-than-normal temperatures to kick off 2014. With an average temperature of 27.4 degrees, 5.0 degrees below normal, it was the coolest January in 10 years and the 16th coolest January in 119 years. Maryland had the greatest departure, -5.2 degrees, making it the 14th coldest January on record for the state. Four of the state's eight divisions ranked the month among their top 20 coldest. New Jersey's departure of -5.1 degrees made it the 17th coldest January on record there. The state's three divisions ranked the month among their top 20 coldest. Delaware had a departure of -4.0 degrees. Of the state's two divisions, one ranked the month among its top 20 coldest. The Salisbury Wicomico Regional Airport weather station in Maryland reported the region's highest temperature of 69 degrees on the 11th. Oakland, MD, reported the coldest temperature, -13 degrees, on the 7th and 8th.

The region returned to drier-than-normal conditions in January with 2.86 inches of precipitation, 86 percent of normal. Delaware was the driest state at 72 percent of normal followed by Maryland at 85 percent of normal. Both states' divisions received below-normal precipitation during January, with two of Maryland's divisions ranking the month among their top 20 driest. New Jersey wrapped up the month at 90 percent of normal. Two of the state's three divisions were drier than normal. Cumberland, MD, reported the lowest precipitation total of the month, 0.81 inches. On the other hand, the Long Branch Oakhurst weather station in New Jersey reported the highest total, 4.02 inches. Millers, MD, had the greatest daily total of 1.36 inches on the 11th. As for snow, the Philadelphia Mt. Holly weather station in New Jersey accumulated 24.8 inches during the month, 13.0 inches of which fell on the 22nd.

New Jersey started January with 31% of the state abnormally dry and 25% of the state experiencing moderate drought. In the U.S. Drought Monitor released on January 23, all areas of dryness had been removed from the state. Abnormally dry conditions lingered in Garrett County and the western half of Allegheny County in Maryland throughout the month. Delaware remained drought-free through January.

From January 2-3, a Nor'easter dropped up to 10 inches of snow on parts of the region, causing flight delays and cancellations along with accidents. On the 7th, six of the Mid-Atlantic's seven first-order climate sites set records for coldest high temperature and four sites set record low temperatures. The cold temperatures combined with gusty winds to create wind chills into the -40s. On the same day, PJM Interconnect, which delivers electricity to homes and businesses in 13 states including those in the Mid-Atlantic region, set a new winter peak demand of 141,312 megawatts. Eight of the ten highest power demands in the grid's history occurred during this January. A brief warm up around mid-month caused ice jam flooding on some waterways. Up to 16 inches of snow caused travel problems in eastern parts of the region from the 21st to the 22nd.

Daily Maximum Temperature Records (°F)

Station	Date	New	Previous	
Atlantic City, NJ	11	61	60 in 2008	

Daily Low Maximum Temperature Records (°F)

Station	Date	New	Previous
Newark, NJ	3	19	19 in 1981
Wilmington, DE	7	13	21 in 1942
Newark, NJ	7	16	19 in 1996
Atlantic City, NJ	7	16	22 in 1988
Baltimore, MD	7	16	22 in 1996
Washington Dulles, DC	7	18	21 in 1996
Wilmington, DE	22	15	18 in 1984
Baltimore, MD	22	15	19 in 1961

Atlantic City, NJ	22	15	19 in 1885
Washington Dulles, DC	22	15	20 in 1970
Newark, NJ	22	16	19 in 1982
Washington National, DC	22	19	21 in 1961
Washington Dulles, DC	24	21	25 in 1987
Washington Dulles, DC	28	18	21 in 1986

Daily Minimum Temperature Records (°F)

Station	Date	New	Previous
Newark, NJ	3	8	10 in 1981
Atlantic City, NJ	4	-3	0 in 1918
Washington Dulles, DC	7	1	8 in 1988
Baltimore, MD	7	3	8 in 1988
Newark, NJ	7	3	10 in 1996
Wilmington, DE	7	4	10 in 1988
Atlantic City, NJ	30	-3	5 in 2000
Wilmington, DE	30	3	5 in 1935

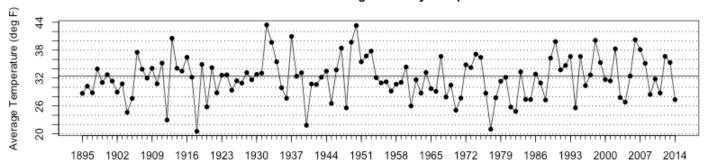
Daily Low Average Temperature Records (°F)

Station	Date	New	Previous
Washington National, DC	22	14.0	14.5 in 1984

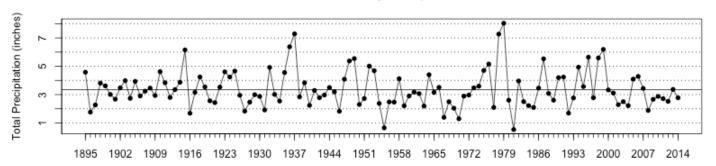
Daily Snowfall Records (inches)

Station	Date	New	Previous
Washington Dulles, DC	2	3.0	3.0 in 1987
Newark, NJ	2	3.2	2.0 in 1978
Atlantic City, NJ	2	3.7	1.1 in 1962
Wilmington, DE	2	4.0	1.3 in 1987
Atlantic City, NJ	3	2.8	0.4 in 1988
Newark, NJ	3	5.6	1.5 in 1944
Atlantic City, NJ	21	2.2	1.8 in 1982
Washington National, DC	21	3.8	3.5 in 1982
Baltimore, MD	21	5.1	2.0 in 1982
Washington Dulles, DC	21	8.5	3.2 in 2001
Newark, NJ	21	10.0	4.5 in 2011
Wilmington, DE	21	10.5	3.0 in 2000
Atlantic City, NJ	29	7.3	3.2 in 1966

Mid Atlantic Average January Temperatures



Mid Atlantic January Precipitation Totals



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

Cold and Snow - January 2014 Summary

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

The year began where 2013 left off, with the jet stream in an amplified, progressive pattern that resulted in frequent, pronounced fluctuations in temperature and multiple precipitation events. By late month, the pattern slowed, but remained amplified, locking NJ into over a week of bitter cold conditions. The statewide average temperature for January was 26.1°, which is 5.1° below the 1981-2010 average and ranks as the 17th coldest since 1895 (120 years). It was the coldest January since 2004. Precipitation in the form of rain, freezing rain, and melted snowfall averaged 3.09". This is 0.39" below normal and ranks as the 57th driest. Snowfall averaged 17.7", which is 10.6" above normal and ranks at the 8th snowiest January on record.

Temperature

The variable swings of the thermometer in January are exemplified by the 11 days where maximum temperatures exceeded 50° at one or more locations in the state and the 12 days where minimum temperatures fell below 0°. There was even an unusual plunge of over 50° at many locations from the 6th to 7th. Five days saw locations with maximums of 55° or greater. On the 5th Dennis Township (Cape May County) reached 57° and both Woodbine (Cape May) and Piney Hollow (Gloucester) hit 56°. The 6th brought 62° to Cherry Hill (Camden) and 61° to four other south Jersey locations. The mildest day of the month occurred on the 11th, with 64° at Cherry Hill, Mansfield (Burlington), Sewell (Gloucester), and Red Lion (Burlington). The 60° mark was reached at 29 of the 52 NJ Weather and Climate Network stations on the 11th, with Bivalve the coolest in the network at 53°. Oceanport saw 55° on the 12th, and five stations reached 60° on the 13th.

The first frigid episode began on the 3rd, when late in the evening Walpack (Sussex) dropped to -12° and Pequest (Warren) reached -8°. By the morning of the 4th the temperature bottomed out at -13° in Walpack and -12° at Pequest. Kingwood (Hunterdon) was -10° and 28 other stations dropped below zero on the 4th. The "mildest" location in the state was Atlantic City Marina (Atlantic) at 13°. Walpack fell to -8° on the 5th and Pequest -5°.

Following the brief warm up on the 6th, minimums again fell below zero at some locations on the 7th, including -6° at High Point Monument (Sussex) and -5° at High Point (300 feet lower than the Monument station). Accompanying the cold on the 7th was strong wind that resulted in dangerous wind chills as low as -27° at the Monument at 11 AM, when the temperature was -4° with a wind speed of 20 mph. Wind chills of -10° to -20° (colder in gusts) were common across NJ during the daylight hours of the 7th, when thermometers across most of the state sat in the single digits. For instance at noon, temperatures ranged from -3° at High Point Monument to 12° in West Cape May (Cape May). These were the coldest daylight hours in NJ since January 19, 1994. The cold continued into the 8th, with lows of -4° at Walpack and -3° at the Monument, an interesting pair of minimums. The cold at Walpack is indicative of cold air pooling in valleys while High Point Monument is often the coldest location when cold air sweeps into the region, with winds at these times stirring up the lower atmosphere and minimizing cold air drainage into valleys.

Seven of the last ten days of January saw subzero cold at one or more location. High Point Monument and High Point dropped to -9° and -8°, respectively, on the 22nd. Pequest at -8° and Kingwood (Hunterdon) at -7° were the coldest locations on the 23rd. Minimum honors went to Berkeley Township (Ocean) and Basking Ridge (Somerset) on the 24th, when both fell to -10°. Walpack came in at -1° on the 26th and -2° on the 28th, and, along with Pequest, fell to -2° on the 29th. South Jersey experienced its coldest morning of the month on the 30th, with -9° at Oswego Lake (Burlington) and Berkeley Township (Ocean) and -6° at both Woodbine (Cape May) and Upper Deerfield (Cumberland). Some 24 stations around NJ fell below zero on the 30th, led by -10° at both Kingwood and Walpack. A fresh snowpack was of assistance in lowering southern temperatures, while the older snowpack in the north, despite the frigid cold readings, was not as effective in refrigerating the lower atmosphere.

Throughout January, West Cape May experienced single digit minimums on four days (minimum 5° on the 30th) and fell below freezing on 23 days. At the other end of the state, Walpack fell below zero on 12 days (minimum of -13° on the 4th) and had a below freezing minimum on all but one day (34° on the 14th). Rivers and bays were frozen over in many locations come month's end.

Precipitation and storms

Monthly precipitation totals at individual locations across NJ did not vary too widely in January. Rain, freezing rain, and melted snow amounted to as much as 4.44" in Washington Township (Gloucester), 4.32" in Lacey Township (Ocean), 4.31" in Bethlehem Township (Hunterdon), 4.20" at Long Branch (Monmouth), and 4.17" in Holland Township (Hunterdon). The driest locations included Bernards Township (Somerset) at 2.43", Cranford (Union) 2.68", Harrison (Hudson) 2.68", Franklin Township (Somerset) 2.70", and Princeton (Mercer) 2.75".

Snowfall averaged 15.4" (+5.9") in northern counties, 18.9" (+11.2") in central counties, and 18.3" (+12.7") in the south. Freehold (Monmouth) received the most with 28.6". Red Bank with 24.6" ranked second, followed by Washington Township (Gloucester) at 23.6" and Tenafly (Bergen), Mt. Laurel (Burlington), and Pitman (Gloucester) each with 23.5". The usually snowiest northwest and north central portion of the state shared low snowfall honors with the extreme southeast. Wantage (Sussex) received 10.6", Andover (Sussex) 11.1", Oakland (Bergen) 11.6" and 12.7" (two stations), Parsippany-Troy Hills (Morris) 11.9", Washington Township (Morris) 12.1", and Sea Isle City (Cape May) 12.2". There were six January events that brought snowfall of 2" or more to at least one location in NJ. The majority of the snow fell at temperatures well below freezing, something not always the case in NJ, even in mid winter.

Season-to-date snowfall is quite uniform statewide. The NJ average is 25.7", which is already only 0.2" below the full-season average (October-April). The north has totaled 25.9" (8.6" below the full season average), central counties 28.3" (0.4" below the seasonal average), and south 24.3" (4.5" greater than the full season average).

The first storm of the New Year arrived during the late afternoon of the 2nd and ended by mid morning on the 3rd. Moderate drifting in exposed locations followed for the remainder of the day. The Monmouth County communities of Freehold and Long Branch received 11.0", and Englishtown (Monmouth) and Brick Township (Ocean) both caught 10.7". Totals were in the 8-10" range throughout Monmouth, Ocean, and northern Burlington counties, tapering to 4-6" in the northern quarter of NJ and in the southeast. Melted down, the liquid equivalent of the snowfall was as high as 1.06" in Berkeley Township (Ocean), 0.98" at Wall Township (Monmouth), and 0.89" in Long Branch.

The next event began on the morning of the 5th as rain in the south and freezing rain in central counties. This resulted in numerous accidents on roadways. The heaviest of the rain arrived with temperatures above freezing throughout NJ and lasted until midday on the 6th. The entire state received at least several tenths of precipitation, with the most observed at Blairstown (Warren) with 1.31", Lacey Township (Ocean) 1.26", and Wantage (Sussex) 1.17". The rainfall and snowmelt resulted in minor flooding on a few rivers in central and southern NJ, including on the Millstone River at Griggstown (Somerset).

A mixed bag of snow, freezing rain and rain fell across NJ on the 10th, through the 11th, and ending early on the 12th. The first half of the event brought as much as 2.0" of snow to Flemington (Hunterdon), with lesser amounts in central and northern counties and none south of Interstate 195. Temperatures rose into the 11th, reluctantly so in some central and northern valley locations, but eventually the 50° mark was exceeded everywhere. Heavier rain fell at the warmer temperatures during the afternoon and evening of the 11th, with lightning and thunder accompanying the rain at some central and southern locations late in the afternoon. Precipitation for this complex event exceeded a half inch everywhere in NJ and was as high as 1.68" in Howell (Monmouth), 1.60" at Jackson Township (Ocean), 1.55" in Medford Lakes (Burlington), and 1.53" in Franklin Township (Gloucester).

Rain returned to NJ on the 14th, primarily during the daylight hours. At least several tenths fell throughout the state. It was heaviest in the far south, with the Cape May County communities of Upper Township, Woodbine, and Middle Township receiving 0.82", 0.80", and 0.79", respectively. Temperatures fell and dense freezing fog formed overnight into the morning of the 15th. This resulted in a rash of accidents on the roadways and dangerous conditions under foot.

The northern half of NJ received some light rain that quickly turned to snow squalls accompanied by some thunder during the morning of the 18th. The squalls brought out plows and sanders on one side of some communities with barely a dusting of snow on the other side. Wantage (Sussex) received 3.3" and Hope (Warren) 2.5". The most rain and melted snow fell in the northeast, with 0.35" in Glen Rock (Bergen) and nearby Hawthorne (Passaic). Little to no precipitation fell in the south.

The largest snowstorm of January began after sunrise on the 21st and tapered off during the late evening. Snowfall rates exceeded 2" per hour at some locations during the heart of the event, particularly in the central half of NJ where over 8" fell. There was some early mixed precipitation along the southeast coast, but elsewhere this was a cold storm with low-density snowfall. Totals tapered off to 2-3" in the northwest and southeast, where only 0.10-0.20" of rain and melted snow fell. Elsewhere, 0.50" to 0.75" melted totals were common and were as large as 1.11" in Lacey Township (Ocean) and 1.05" at Long Branch (Monmouth). Snowfall exceeded 10.0" at some locations in 14 of New Jersey's 21 counties. The maximum amount observed in each of these counties is listed below (Table 1).

Municipality	County	Snowfall
E. Rutherford	Bergen	13.0"
Cinnaminson	Burlington	13.5"
Pennsauken	Camden	13.7"
Cedar Grove	Essex	12.5"
E. Greenwich	Gloucester	12.0"
Secaucus	Hudson	12.5"
Stockton	Hunterdon	12.0"
Hamilton	Mercer	13.0"
New Brunswick	Middlesex	10.5"
Englishtown	Monmouth	15.1"
Chatham	Morris	10.5"
Point Pleasant	Ocean	12.1"
Hillsborough	Somerset	11.7"
Westfield	Union	12.3"

Table 1. Maximum snowfall for the January 21st storm in counties where at least one location received 10".

The 25th brought snow to the entire state. Totals were generally in the 1-2" range, except under an inch along the southeast coast. West Milford (Passaic) received the most with 3.1". This was followed by Pennsauken (Camden) with 2.9" and Lawrence Township (Mercer) and Allamuchy (Warren), both with 2.8". Melted snowfall amounted to as much as 0.27" in Millstone (Monmouth), 0.25" at Denville (Morris), and 0.23" in Cedar Grove (Essex).

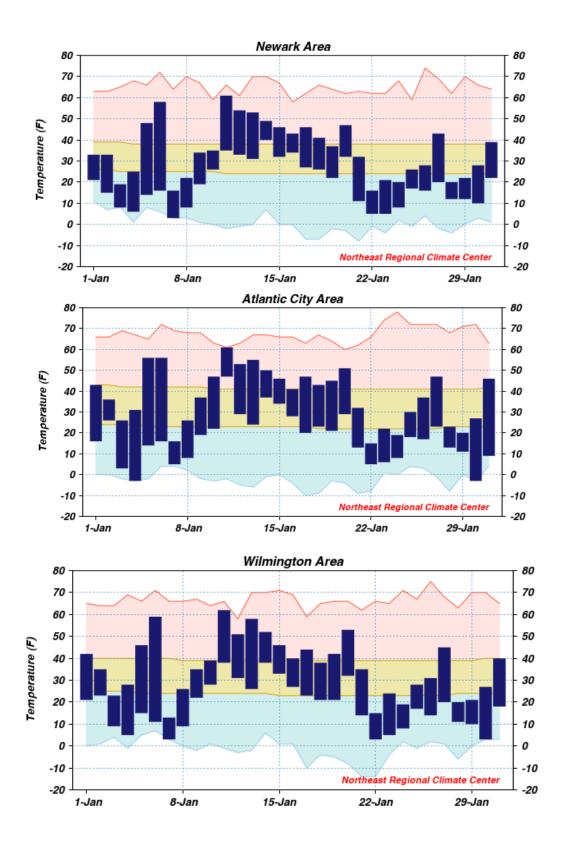
Some light freezing rain the morning of the 27th created scattered travel issues on northern roadways, as milder air moved into the area, eventually bringing temperatures above freezing for a portion of the day. Colder air soon followed and with it came a quick hitting storm to southern NJ from the evening of the 28th until just after sunrise on the 29th. Over 6" fell in Cape May and nearby locations, tapering to less than an inch north of Interstate 195. Reports of 7.7" and 7.0" were received from observers in Estell Manor (Atlantic). Surf City (Ocean) saw 7.5", Atlantic City Airport in Pomona (Atlantic) 7.3", Galloway Township (Atlantic) 7.0", Mamora (Cape May) 6.8", and 5.0" in both Millville (Cumberland) and Pittsgrove (Salem). This was a powdery snow, with the liquid equivalent only as high as 0.34" in Estell Manor, 0.30" at Lavallette (Ocean), and 0.28" at both Hamilton Township (Atlantic) and Wildwood Crest (Cape May).

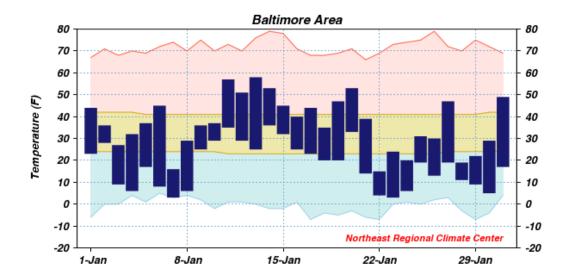
January was a windy month, often bringing on very cold wind chill values. Gusts exceeded 40 mph at one or more locations on 11 days. Sea Girt (Monmouth) gusted to 40 mph on the 2nd, with High Point Monument (Sussex) to 51 mph and Wantage (Sussex) to 50 mph on the 3rd. Gusts reached 49 mph at Atlantic City Marina (Atlantic) and 47 mph at High Point Monument on the 6th. The brutally cold 7th was the windiest day of the month. High Point Monument gusted to 56 mph and Seaside Heights (Ocean) to 49 mph. 14 other stations gusted between 40-48 mph and 21 between 30-39 mph.

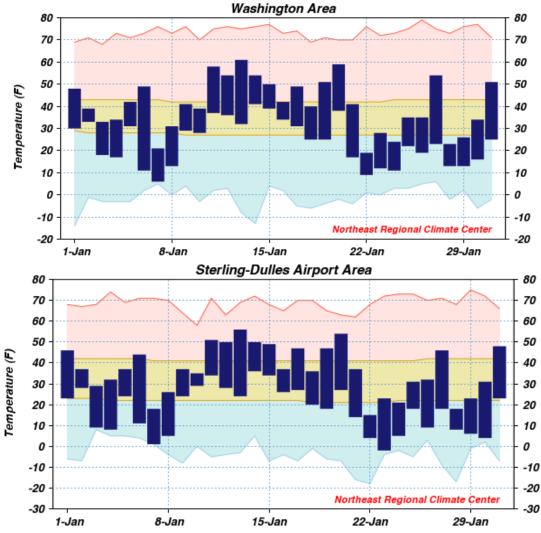
Woodbine peaked at 43 mph on the 11th and High Point Monument 51 mph on the 12th. The end-of-month cold included gusts to 42 mph in Harvey Cedars (Ocean) on the 21st, 47 mph at Wantage on the 22nd and 41 mph at that location on the 23rd, 44 mph in Harvey Cedars on the 25th, and 43 mph at the Monument on the 27th.

The highest barometric pressure for January occurred on the 9^{th} with a peak of 30.65-30.70". The monthly minimum was just two days later on the 11^{th} at between 29.30-29.35".

DAILY AVERAGE TEMPERATURES AND THE 30-YEAR NORMAL







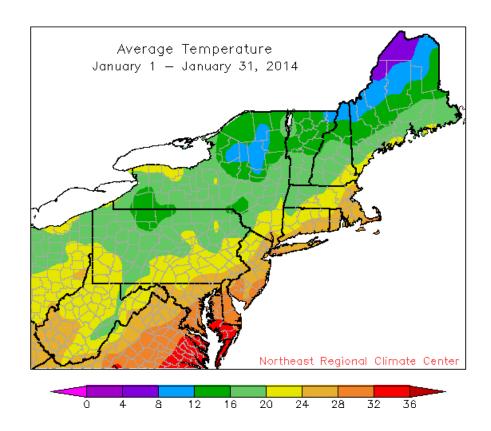
Observed daily maximum and minimum temperatures are connected by dark blue bars.

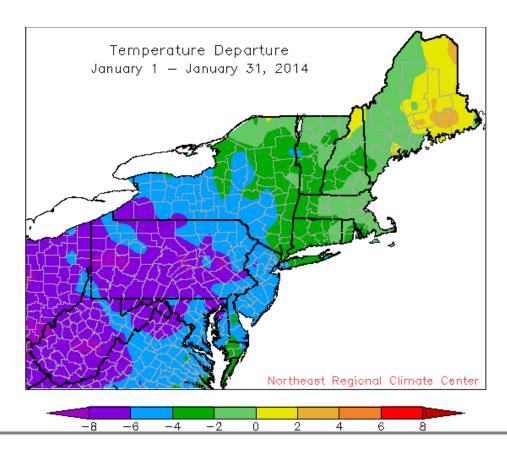
Area between normal max and min temperatures has tan shading.

Red line connects record high temperatures.

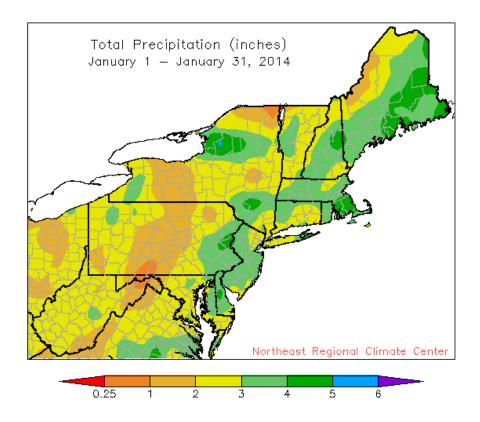
Light blue line connects record low temperatures.

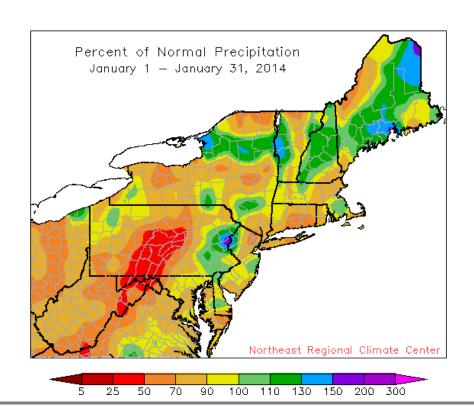
MONTHLY TEMPERATURE MAPS



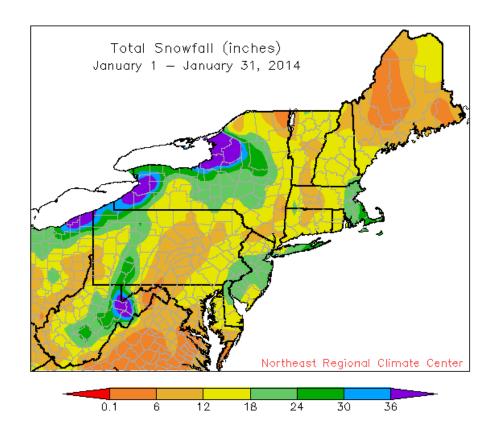


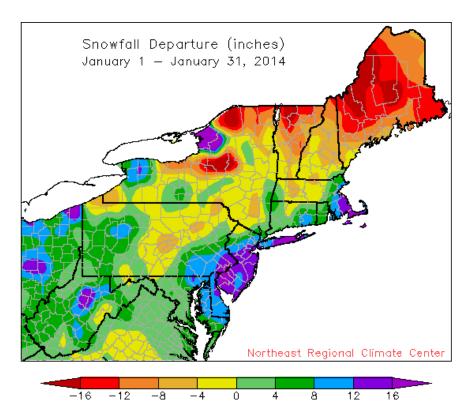
MONTHLY PRECIPITATION MAPS





MONTHLY SNOWFALL MAPS





PRELIMINARY MONTHLY SUMMARIZED DATA JANUARY 2014

CITA III CNI	TEMPERATURE	1	NUMBER OF PAGE		ITATION (INCH	1
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
-DE: NORTHERN-						
WILMINGTON NEW CAS	36.7 18.0 27.4	62 11 3 30+	6 12 28 0	3.23 7	0.70 21	17.5 10.5 21
WILMNGTON PORTER *	35.4 17.4 26.4	59 11 1 22	4 12	2.69 8	0.48 11	12.5 8.5 21
-DIVISION-	26.9 -5.4			2.96 -0.34		15
-DE: SOUTHERN-						
DOVER *	41.1 21.9 31.5	64 11 2 23				
-DIVISION-	31.5 -3.7			2.32 -1.15		
-STATE-	30.5 -4.0			2.46 -0.97		3.3
-SIRIE-	30.3 -4.0			2.40 -0.97		3.3
-MD: SOUTHEASTERN-						
SALISBURY WICOMICO	43.8 20.6 32.2	69 11 -6 30	12 7 27 1	2.13 7	0.70 11	11.5 4.0 3
SNOW HILL 4 N	45.9 21.1 33.5	64 12+ 0 23	13 4 24 1			
SALISBURY 2N	44.4 22.2 33.3	68 11 -1 30	11 6 24 1	3.33 8	0.68 14	13.0 6.5 3
-DIVISION-	33.0 -3.4			2.73 -0.84		12.3
-MD: CENTRAL EAST-					1	
ROYAL OAK 2 SSW	41.4 21.3 31.3	61 11 0 30	7 8 26 1	3.38 9	0.63 10	13.0 5.0 3
-DIVISION-	31.3 -4.3	.= * * * * *		3.38 -0.13		13.0 5.0 5
	31.3 -4.3			0.00 -0.10		
MD. LOWER COUNTY						
-MD: LOWER SOUTHE-						
MECHANICSVILLE 5 N	39.7 16.7 28.2	64 12 1 24+	8 9 30 0	3.33 9	0.62 11	
SOLOMONS *	42.4 24.1 33.2	60 11+ 7 7			ĺ	
ST INIGOES WEBSTER	41.5 22.4 31.9	61 11+ 2 30	11 7 24 0	2.43 6	0.50 14	NM
-DIVISION-	31.1 -3.6			2.88 -0.31		
-MD: UPPER SOUTHE-						
BALTIMORE WASH INT	37.0 17.8 27.4	58 13 3 23+	5 12 28 0	2.72 7	0.75 11	9.8 5.1 21
BELTSVILLE	36.7 18.1 27.4	58 14 2 23	3 12 28 0	2.41 7	0.59 12	7.5 4.0 22
						7.5 4.0 2
DALECARLIA RSVR	38.4 18.2 28.3	59 14 3 7	5 10 29 0	2.91 6	0.80 14	
MD SCI CTR BALTIMO	37.5 22.6 30.0	54 12+ 4 7	5 11 25 0	2.53 7	0.71 11	NM
NATL ARBORETUM DC*	38.7 20.7 29.7	59 14 5 8+				
OXON HILL	38.4 19.9 29.1	60 14 4 8+	6 11 26 0	2.50 6	0.73 11	9.4 5.0 22
UPPER MARLBORO 3 N	39.0 16.8 27.9	64 12 1 31+	6 10 27 0	2.21 7	0.55 11	
-DIVISION-	28.5 -5.5			2.55 -0.48		8.9
-MD: NORTHEASTERN-						
STEVENSVILLE	36.8 21.4 29.1	58 12 6 8+	5 11 26 0	2.60 8	0.82 11	13.4 5.3 22
	29.1 -4.3	36 12 0 64	3 11 20 0		0.62 11	
-DIVISION-	29.1 -4.3			2.60 -0.61		13.4
-MD: NORTHERN CEN-						
ABERDEEN PHILLIPS	36.3 17.5 26.9	61 12 3 31+	3 12 28 0	2.48 6	0.54 11	14.5 8.5 22
BRIGHTON DAM *	34.9 16.0 25.4	55 14 1 23+]	
CYLBURN *	36.5 17.9 27.6	57 17 0 8+			1	
DAMASCUS 3 SSW	35.0 17.6 26.3	54 13 -1 7	4 13 27 2	3.38 7	1.15 11	14.3 7.0 21
EMMITSBURG 2 SE	33.9 13.8 23.8	50 14 -1 31+	1 12 30 7	3.13 6	0.80 6	9.5 6.0 22
MILLERS 4 NE	34.7 16.1 25.4	54 13 -3 7	3 12 28 5	3.41 8		15.9 6.5 21
		J4 13 -3 /	3 12 20 3		1.36 11	
-DIVISION-	25.9 -5.8			3.10 -0.06	1	13.6
-MD: APPALACHIAN -]	
CUMBERLAND 2	34.0 13.7 23.8	51 14+ -3 8+	4 13 30 4	0.81 3	0.20 22	
FROSTBURG 2	28.3 8.9 18.6	53 14 -12 8+	1 18 31 10	1.26 5	0.24 22	
WILLIAMSPORT *	33.8 15.3 24.6	52 14 0 8+			1	
-DIVISION-	22.3 -7.5			1.04 -1.80	1	
					1	
-MD: ALLEGHENY PL-						
	22 9 0 6 21 2	60 12 12 0:			1	
OAKLAND 1 SE *	32.8 9.6 21.2	60 12 -13 8+			1	
SAVAGE RIVER DAM *	30.2 11.1 20.7	51 14 -6 30+			ĺ	
SINES DEEP CREEK *	28.7 8.7 18.7	53 14 -12 30+			ĺ	
KITZMILLER 1 W	31.9 11.7 21.8	52 14 -6 8+	1 15 30 9		1	NM
-DIVISION-	20.6 -6.4			2.24 -1.14		
					1	
-STATE-	27.7 -5.2			2.74 -0.49		9.4
	2, -3.2				1	
	1		i .			i e

TEMPERATURE (F)			PRECIP	ITATION (INCH	ES)	
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
BELVIDERE BRG *	29.1	59 12				13.2 7.0 3
BOONTON 1 SE	33.0 14.2 23.6	61 12 0 23+	4 16 30 2	2.21 7	0.47 3	
BOUND BROOK 2 W				2.70 8	0.54 6	
CRANFORD	36.3 18.4 27.3	61 12 -2 23	8 15 26 2	3.17 8	0.72 3	14.1 7.1 22
FLEMINGTON 5 NNW	31.8 12.7 22.2	61 12 -4 4	3 16 30 7	3.76 7	0.81 22	
HARRISON	34.5 18.0 26.3	58 12 1 8	4 15 27 0	2.68 7	0.52 12	
LAMBERTVILLE				3.22 8	0.72 3	NM
NEWARK INTL AP	35.3 18.9 27.1	61 11 3 7	4 13 27 0	2.78 9	0.59 11	20.8 10.0 21
PHILLIPSBURG EAST*	31.9 13.7 22.8	61 12 -1 8+				
POTTERSVILLE 2 NNW	31.1 15.1 23.1	56 12 1 4	1 16 30 0	3.54 8	0.63 12	
SUSSEX 2 NW	30.7 9.2 20.0	59 12 -9 4	3 18 31 9	3.83 8	0.96 6	10.6 4.9 3
WAYNE	33.4 15.6 24.5	56 7 0 3	3 17 30 1	2.46 7	0.42 3	NM
WERTSVILLE 4 NE	33.0 13.7 23.4	62 12 -1 4	5 16 30 4	2.82 7	0.54 12	
RIEGELSVILLE				3.58 7	0.75 3	
TOCKS ISLAND	31.2 12.6 21.9	59 12 -1 5+	4 16 30 6			NM
-DIVISION-	23.8 -5.0			3.03 -0.46		15.2
-NJ: SOUTHERN-						
ATLANTIC CITY INTL	38.2 17.4 27.8	61 11 -3 30+	7 12 28 2	3.25 9	0.72 14	18.8 7.3 29
ESTELL MANOR	39.1 15.6 27.4	62 12 -4 30	8 11 28 4	3.37 9	0.64 12	
HAMMONTON 1 NE	38.8 15.4 27.1	63 12 -2 31	9 12 28 4	3.03 9	0.72 12	10.8 6.0 3
HIGHTSTOWN 2 W	36.7 15.2 26.0	64 12 -3 4	7 14 28 3	2.98 7	0.56 7	16.7 8.9 22
INDIAN MILLS	38.9 17.3 28.1	63 11 -6 30	7 11 26 2	3.90 10	0.83 11	19.5 7.0 3
NEW BRUNSWICK 3 SE	35.9 15.2 25.5	63 12 -1 4	6 14 30 1	2.86 7	0.52 12+	20.5 10.5 22
SEABROOK FARMS	37.9 19.1 28.5	62 12 0 30	6 11 25 1	3.09 8	0.72 12	16.0 7.5 22
SOMERDALE 4 SW	39.0 19.2 29.1	63 12 0 4	7 11 24 1	3.29 8	0.68 3	
TRENTON MERCER CO	35.5 16.7 26.1	63 11 -1 4	6 12 28 1	3.27 9	0.65 21	
PHILADELPHIA MT HO	37.1 16.8 27.0	62 12 0 4	7 12 28 1	2.66 8	0.58 12	24.8 13.0 22
-DIVISION-	27.3 -5.1			3.17 -0.30		18.2
-NJ: COASTAL-						
CAPE MAY 2 NW	39.4 21.6 30.5	58 11 3 30	7 10 25 0	2.82 8	0.63 14	16.8 5.8 2
LONG BRANCH OAKHU*	37.2 18.0 27.6	57 12 2 5+		4.02 6	1.27 12	
-DIVISION-	29.1 -5.1			3.42 0.07		16.8
-STATE-	26.1 -5.1			3.14 -0.33		17

PRELIMINARY MONTHLY DEGREE DATA JANUARY 2014

STATION	HEATING DEGREE		COOLING DEGREE DAYS (BASE 65) MONTH MONTH SEASON SEASON		GROWING DEGREE DAYS (BASE 50) MONTH MONTH SEASON SEASON
-DE: NORTHERN-	1		1		
WILMINGTON NEW CAST	1157 29	921	0	0	
WILMINGTON NEW CAST	1137 23	721	· ·	Ü	
DE GOVERNDA					
-DE: SOUTHERN-					
-DE: SOUTHERN-					
-MD: SOUTHEASTERN SHORE-					
SALISBURY WICOMICO	1010 23	385	0	0	
SNOW HILL 4 N	970 24	111	0	0	
SALISBURY 2N	974		0	0	
-MD: CENTRAL EASTERN SHORE-					
ROYAL OAK 2 SSW	1036 26	506	0	0	
				-	
-MD: LOWER SOUTHERN-					
MECHANICSVILLE 5 NE		927	0	0	
ST INIGOES WEBSTER	1014		0	0	
-MD: UPPER SOUTHERN-	1				
BALTIMORE WASH INTL	1157 28	365	0	0	
BELTSVILLE	1157		0	0	
DALECARLIA RSVR	1128		0	0	
MD SCI CTR BALTIMOR	1075		0	0	
		734	0	0	
OXON HILL		74			
UPPER MARLBORO 3 NN	1143		0	0	
-MD: NORTHEASTERN SHORE-					
STEVENSVILLE	1105 27	714	0	0	
-MD: NORTHERN CENTRAL-					
ABERDEEN PHILLIPS F	1176 29	943	0	0	
DAMASCUS 3 SSW	1191		0	0	
EMMITSBURG 2 SE	1267		0	0	
		140			
MILLERS 4 NE	1221 32	248	0	0	
-MD: APPALACHIAN MOUNTAIN-					
CUMBERLAND 2	1267 32	204	0	0	
FROSTBURG 2	1431		0	0	
-MD: ALLEGHENY PLATEAU-					
KITZMILLER 1 W	1331 36	557	0	0	
-NJ: NORTHERN-					
BOONTON 1 SE	1276		0	0	
		912	0	0	
CRANFORD					
FLEMINGTON 5 NNW	1318		0	0	
HARRISON		965	0	0	
NEWARK INTL AP		398	0	0	
POTTERSVILLE 2 NNW	1290 33	344	0	0	
SUSSEX 2 NW	1388		0	0	
WAYNE	1252		0	0	
WERTSVILLE 4 NE	1284		0	0	
TOCKS ISLAND		523	0	0	
	1525			Ÿ	
-NJ: SOUTHERN-					
	1140	14E		٥	
ATLANTIC CITY INTL		945	0	0	
ESTELL MANOR		968	0	0	
HAMMONTON 1 NE	1167 29	986	0	0	
HIGHTSTOWN 2 W	1203		0	0	
INDIAN MILLS	1135 30)50	0	0	
NEW BRUNSWICK 3 SE		90	0	0	
SEABROOK FARMS		306	0	0	
SOMERDALE 4 SW)23	0	0	
TRENTON MERCER CO A)85	0	0	
PHILADELPHIA MT HOL	1170 30	031	0	0	
	1				
-NJ: COASTAL-					

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

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

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