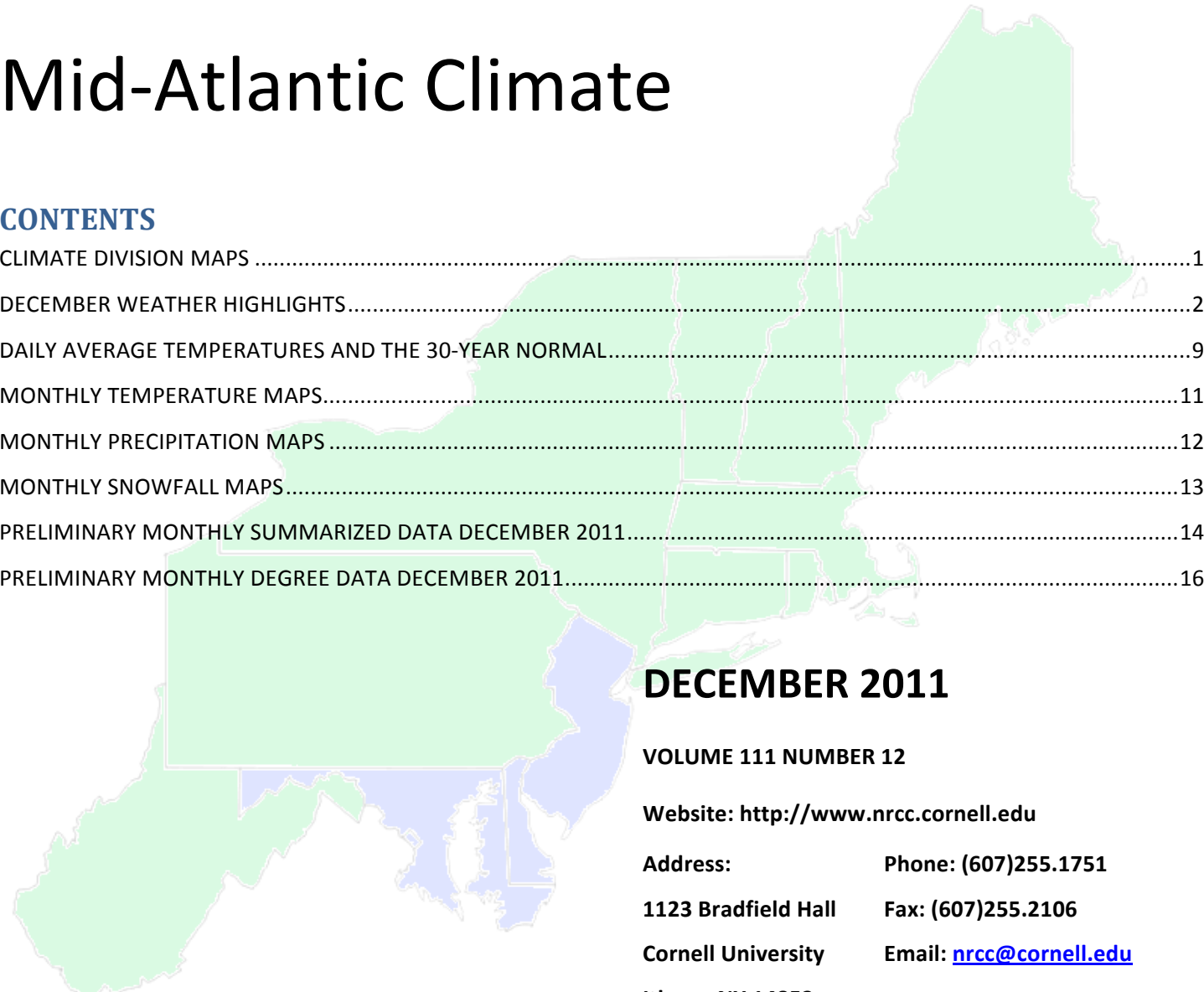


Northeast Regional Climate Center

Mid-Atlantic Climate

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CLIMATE DIVISION MAPS



New Jersey Climate Divisions

- 1 Northern
- 2 Southern
- 3 Coastal



Delaware Climate Divisions

- 1 Northern
- 2 Southern



Maryland Climate Divisions

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

DECEMBER WEATHER HIGHLIGHTS

December was the 11th month in a row that the Mid-Atlantic region averaged warmer than normal. This month's average of 41.5 degrees was 5.1 degrees above normal and 10.6 degrees warmer than December 2010. It was the 8th warmest December in 117 years as well as the warmest December since 2006. It was the 4th warmest December since 1895 in New Jersey, the 6th warmest in Delaware and the 10th warmest in Maryland. Temperature departures among the states were +5.0 in Maryland, +5.1 in New Jersey, and +5.7 in Delaware. Both the high and low for the month were recorded in Maryland. Salisbury hit 72 degrees on the 7th, and Oakland recorded a low of 8 degrees on the 11th.

The region averaged 3.96 inches of precipitation in December. This was 1.11 inches more than the amount that fell in December 2010, but 3.67 inches less than the same month in 2009. Each of the states averaged wetter than normal – Maryland's departure was 104%, New Jersey, 111% and Delaware, 123%. The region averaged 108% of the normal December total. With a total of 5.61 inches, Wilmington Porter Reservoir, DE was the wettest station this month.

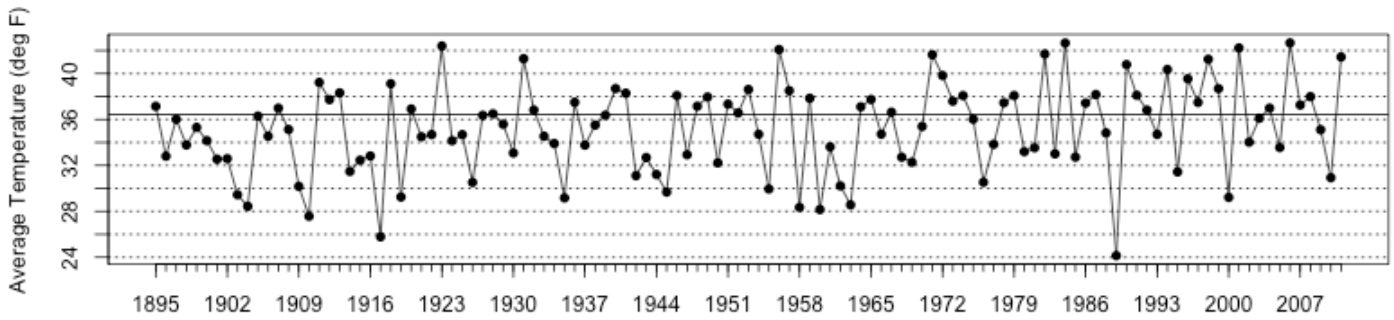
Maximum Temperature Records (degrees F)

<u>Station</u>	<u>Date</u>	<u>New</u>	<u>Previous</u>
Washington Dulles, DC	21	61	60 in 1998
Baltimore, MD	21	62	61 in 1956
Atlantic City, NJ	21	63	62 in 1923
Newark, NJ	21	62	61 in 1957

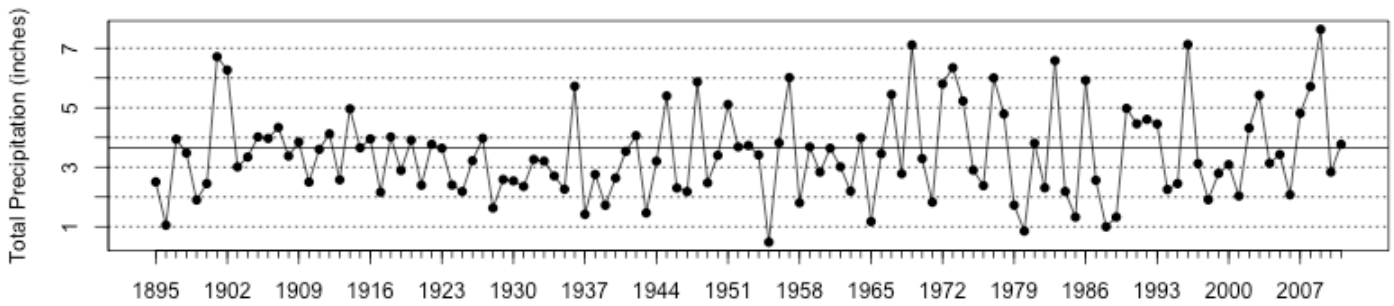
Daily Precipitation Records (inches)

<u>Station</u>	<u>Date</u>	<u>New</u>	<u>Previous</u>
Washington Dulles	7	2.14	1.13 in 1976
Washington National	7	3.10	1.34 in 1971
Baltimore, MD	7	2.38	1.27 in 1976
Newark, NJ	7	1.90	1.26 in 1996
Washington Dulles	22	1.12	0.94 in 1983
Newark, NJ	23	0.82	0.69 in 2007
Newark, NJ	27	1.21	0.73 in 1944

Mid Atlantic Average December Temperatures



Mid Atlantic December Precipitation Totals



The 2011 values depicted on these graphs are based on preliminary data.

Where is Winter?: December 2011
Record Wet - Close to Record Warm: 2011 Summary

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

December Overview

December 2011 marked the 11th consecutive month with above average temperatures across New Jersey (nineteen of the past 22 months have been above average). The average of 40.5° is 4.9° above the 1981-2010 average and ranks as the 5th warmest December since 1895 (Table 1).

Rank	Year	Dec. Temp.
1	2006	42.2°
2	2001	41.7°
3	1923	41.0°
4	1984	40.7°
5	2011	40.5°
6	1982	40.3°
6	1998	40.3°
8	1956	40.1°
9	1990	40.0°
10	1971	39.7°

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

While there was many a frosty morning across the state, cold air was often difficult to find, and when it arrived it didn't stay around too long. While at least one station of the close to 50-station [NJ Weather and Climate Network](#) that reports daily observations fell below freezing on 28 nights, the maximum temperature at one or more locations was 60° or higher on eleven afternoons. It took until the 11th for three coastal stations to reach the freezing point for the first time this season. That morning, Harvey Cedars (Ocean County), Atlantic City Marina (Atlantic), and Seaside Heights (Ocean) fell to 32°, 31°, and 30°. Harvey Cedars only dropped to the freezing mark on five nights in December. Meanwhile less than twenty miles to the north-northwest on the eastern edge of the Pinelands, Berkeley Township had already fallen below freezing on 40 days this season by the end of December.

Warmth was experienced throughout the month, beginning on the 4th when Piney Hollow (Gloucester) reached 60°. The 5th and 6th were the two warmest days of December. Woodbine (Cape May) reached 66° on the 5th, with 22 other stations between 60°-65° and 20 more between 57°-59°. Woodbine, Oswego Lake (Burlington), and Mullica (Atlantic) all hit 65° on the 6th, with 30 other stations between 60°-64°. The High Point and High Point Monument sites (Sussex) were the coolest locations this day at 55°. This first shot of warmth ended on the 7th with Woodbine at 65° and six stations at 62°. The 15th and 16th brought 62° maximums to Howell (Monmouth), with Mullica joining in at that mark on the 15th. Howell again was the warm spot at 64° on the 21st, shared with Bethel Mill Park (Gloucester) and Cherry Hill (Camden). Howell also reached 64° on the 22nd. The 23rd saw Woodbine top out at 62°, while High Point Monument only made it to 41°. The last week of the month saw Cherry Hill and Mansfield (Burlington) at 60° on the 27th and Woodbine and Egg Harbor (Atlantic) reach 61° on the 31st.

The coldest afternoon of the month was the 18th, with 22 stations not making it above freezing. High Point Monument had the coldest maximum at 24°, while Woodstown (Salem) and Woodbine were mildest at 38°. On thirteen December mornings the minimum dropped to the teens or lower at one or more NJ locations. The 9th saw Berkeley Township at 19°. Walpack (Sussex) took low honors from the 10th-13th at 17°, 10°, 8°, and 9°, respectively. The next coldest station on the last three of these nights was 5 degrees warmer, further solidifying Walpack's place as the coldest NJ location on many a clear, calm night.

High Point Monument was the cold spot on the 17th at 19°. The 18th and 19th brought the coldest minimums of the month, with Walpack at 8° and High Point Monument at 10° on the 17th when 26 stations were between 8°-19°. The 18th saw Walpack at 9°, Berkeley Township at 11°, and 29 stations between 9°-19°. Few stations got into the teens later in the month. Walpack fell to 15° on the 24th and 25th and to 19° on the 28th. High Point Monument dropped to 19° on the 28th and 12° on the 29th.

December 2011 precipitation across NJ averaged 4.37". This is 0.46" above the 1981-2010 average and ranks as the 34th wettest December since 1895. Two West Milford (Passaic) Community Collaborative Rain, Hail and Snow Network (CoCoRaHS) stations took top honors with 5.65" and 5.45" received. Hardyston (Sussex) was next with 5.39" and Washington Township (Mercer) had 5.29". On the low end were the Cape May County locations of Wildwood Crest (2.14"), Lower Township (2.79"), and Middle Township (2.93").

There were only four notable precipitation events this month, with three of them producing more than an inch at one or more locations. The major episode was from the afternoon of the 6th through the pre-dawn hours of the 8th. The entire state saw a soaking rain, with only a few locations in the coastal southeast coming in with under an inch. The widespread geographic nature of the heavy rain was evident, as the eight largest totals (of almost 200 CoCoRaHS observations) occurred in eight different counties. This included Moorestown (Burlington) 3.00", Pitman (Gloucester) 2.98", Princeton (Mercer) 2.96", River Vale (Bergen) 2.94", South Brunswick (Middlesex) 2.93", Hardyston (Sussex) 2.88", Blairstown (Warren) 2.87", and Greenwich Township (Cumberland) 2.86". Wildwood Crest was driest with 0.79". Thunderstorms rumbled through portions of central and northern NJ during the late evening of the 7th. Minor flooding ensued on streams and rivers in a variety of locations but rather quickly subsided. The tail end of the storm brought the only measurable snow of December to NJ. The higher elevations of the northwest saw minor totals of 2.5" at the High Point State Park ranger station (Sussex), 1.0" in West Milford (Passaic) and Wantage (Sussex), 0.6" in Mt. Olive (Morris), and 0.3" in Liberty Township (Warren). Many locations around NJ did not see a flurry during the month.

A modest event during the PM hours of the 21st brought 0.47" and 0.55" to two Woodbine (Cape May) stations, 0.45" to Sea Isle City (Cape May), 0.45" to Wantage, and 0.42" and 0.43" to two Blairstown stations. The least amount of rain fell from Salem County northeast to Ocean County. Close on the heels of that rain came a more formidable soaking from late on the 22nd through dawn on the 23rd. This time the most rain fell from Salem County northeast to Monmouth County, and included 1.58" at Hamilton (Mercer), 1.48" in Belmar (Monmouth), and 1.47" in both Howell and Brick (Monmouth). Two Wantage stations had the least with 0.42", and reports from four Blairstown (Warren) CoCoRaHS stations ranged from 0.43" to 0.52". Reports of late evening thunderstorms were received from central and northern locations.

The final rains of a record wet 2011 fell during the PM hours of the 27th as an unseasonable squall line, replete with lightning and thunder in several central communities. Fittingly for the year, the northern third of the state saw the most rainfall and the southern third the least. Three West Milford (Passaic) stations received 1.88", 1.62", and 1.58", and Kearny (Hudson) caught 1.51". Dennis Township (Cape May) and Belmar (Monmouth) saw only 0.38".

Winds howled on a number of occasions in December, though damage reports and power outages were minimal. Gusts equaled or exceeded 40 mph at one or more NJWxNet locations on twelve days. The 1st saw a gust to 50 mph at Wantage (Sussex) and 41 mph at High Point Monument (Sussex). Wantage gusted to 46 mph on the 7th with five stations hitting 41 mph-46 mph. The 8th was one of the windiest days of month with a 50 mph gust at Seaside Heights (Ocean), 49 mph gusts at High Point Monument and Wantage,

and six other stations over 40 mph. A gust of 40 mph was recorded at Atlantic City Marina on the 15th, followed by gusts on the 16th of 63 mph at High Point Monument, 56 mph at Wantage, 44 mph at Stewartville (Warren), and 40 mph in Seaside Heights.

Parsippany (Morris) gusted to 43 mph on the 21st, with that mark reached at High Point Monument on the 23rd. The windy Monument location got up to 52 mph on the 26th, with Wantage at 40 mph. The 27th and 28th rivaled the 8th as the windiest days of the month statewide. The 27th brought a 55 mph gust to Bivalve (Cumberland), 50 mph to Atlantic City Marina and gusts into the 40's mph at six other locations. High Point Monument reached 55 mph on the 28th, with seven other stations over 40 mph. The two most frequently gusty locations in NJ ended 2011 with a 52 mph gust at High Point Monument and a 44 mph gust at Wantage on the 29th.

Highest monthly barometric pressures were observed on the 3rd and 11th when many NJ stations maxed out between 30.65"-30.70". The 27th saw the pressure plummet to 29.25"-29.30". Heavy fog was observed in many areas of the state on the 5th.

Fortunately it was another tranquil month when it came to impactful weather events. There was the aforementioned flooding from the rain storm early in the month and some fallen branches to contend with, some that were left hanging in trees following the winds of Irene and the snow of late October. Otherwise, the weather didn't interfere much with holiday traveling, including trips to shopping centers! Also, snow removal and road treatments for ice were minimal or non-existent. Skaters weren't pleased, as even ponds and lakes in the northwest corner of the state were mainly ice free at month's end.

Annual 2011 Overview

To say that those of us residing in the Garden State experienced a wealth of weather and climate extremes in 2011 is an understatement. Memorable events have been chronicled in individual monthly and seasonal statements on the Office of the NJ State Climatologist website. In the following paragraphs, a synopsis of annual temperature and precipitation observations is provided, followed by the ONJSC's take on the top ten events of 2011.

Copious amounts of precipitation fell across NJ in 2011. While the remarkable rains of August and early September played a major role in making this the wettest year on record for the state, only three months had below average precipitation. The annual statewide total of 64.87" is almost 5" above the previous record and is 17.93" above the 1981-2010 average (Table 2). August was the wettest of any month on record, with 17.22" accumulating (13.01" above average). The previous monthly record of 11.98" in October 2005 was shattered. Only one consecutive 12-month interval has been wetter than this calendar year, that being the 66.60" that fell from April 2009 to March 2010. This is out of 1393 such intervals during the past 117 years! April was the 10th wettest on record, while summer was the wettest.

Rank	Year	Annual Pcp Total
1	2011	64.87"
2	1996	59.98"
3	1975	58.85"
4	1983	58.33"
5	2003	57.76"
6	1972	57.56"
7	1979	56.60"
8	1989	55.56"
9	1903	55.08"
10	1902	54.73"

Table 2. Wettest years in New Jersey since statewide records commenced in 1895.

No portion of the state remained untouched by the heavy precipitation, with the notable exception of several locations in Cape May County where only 39.07" fell in Wildwood Crest and 40.35" at a Middle Township station. Normally the wettest area of NJ, the northern Highlands did not disappoint in 2011. While records require some additional scrutiny, it appears that the annual totals at five stations in this region exceeded the previous state record for precipitation at an individual location. As listed in Ludlum's New Jersey Weather Book, Paterson with 85.99" in 1882 had long held the record. However it is likely that a station in West Milford (Passaic) with 90.65" will assume top honors (subject to the approval of an extremes committee overseen by the National Climatic Data Center). The other top stations include another in West Milford with 86.02", Mt. Olive (Morris) at 88.15", Jefferson Township (Morris) with 87.93", and Hardyston (Sussex) at 87.84". These totals are approximately 30-35" above average! Of stations with long histories, New Brunswick (Middlesex) set an annual record of 66.13" (observations since 1893) and Newark Airport (Essex) with 69.91" also had an annual maximum (since 1931). A preliminary listing of top 2011 totals for each county is seen in Table 3. All but the Harrison, New Brunswick, Newark, Seabrook Farms, and Somerdale observations are from CoCoRaHS observers. Unfortunately, there wasn't a Union County observer with a complete enough record to generate an annual total.

County	Station	Annual Prcp Total
Atlantic	Hammonton	65.28"
Bergen	Oakland	80.03"
Burlington	Moorestown Township	63.01"
Camden	Somerdale	62.65"
Cape May	Woodbine	56.08"
Cumberland	Seabrook Farms	67.68"
Essex	Newark Airport	69.91"
Gloucester	Franklin Township	74.10"
Hudson	Harrison	74.67"
Hunterdon	Bethlehem Township	83.12"
Mercer	Lawrence Township	70.23"
Middlesex	New Brunswick	66.12"
Monmouth	Holmdel Township	67.42"
Morris	Mt. Olive Township	88.15"
Ocean	Pt. Pleasant Beach	56.29"
Passaic	West Milford Township	90.65"
Salem	Woodstown	61.69"
Somerset	Montgomery Township	71.92"
Sussex	Hardyston Township	87.84"
Union	Incomplete observations	
Warren	Blairstown Township	82.95"

Table 3. Wettest location in each NJ county in 2011 (preliminary assessment).

The 2011 annual average temperature was close to a record breaker. The 55.2° statewide average is 2.0° above the 1981-2010 mark and 3.0° above the 1895-2010 average. It ranks as the 3rd warmest of the last 117 years, only exceeded by 1998 and 2006, and pushes 2010 back to 4th place (Table 4). Four of the top ten years for warmth have occurred in the past ten years, and eight of the ten since 1990.

Rank	Year	Annual Avg. Temp.
1	1998	55.6°
2	2006	55.3°
3	2011	55.2°
4	2010	54.9°
5	1949	54.8°
5	2002	54.8°
7	1990	54.7°
8	1991	54.6°
9	1999	54.4°
10	1953	54.2°

Table 4. Warmest years in New Jersey since statewide records commenced in 1895.

The last eleven months of 2011 were above average, with seven of them ranking in the top ten for warmth in their respective month (Table 5). Spring ranked as the 9th warmest, summer 3rd and fall 3rd.

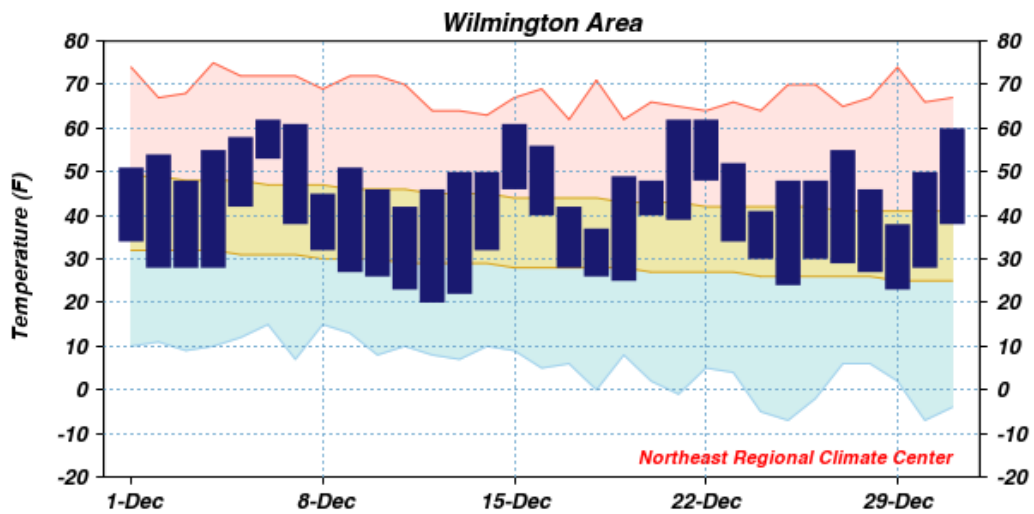
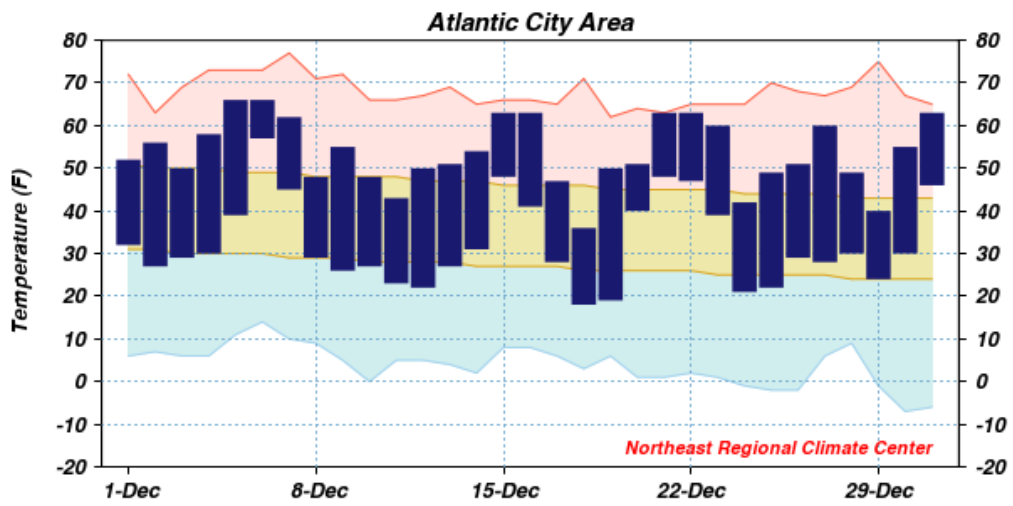
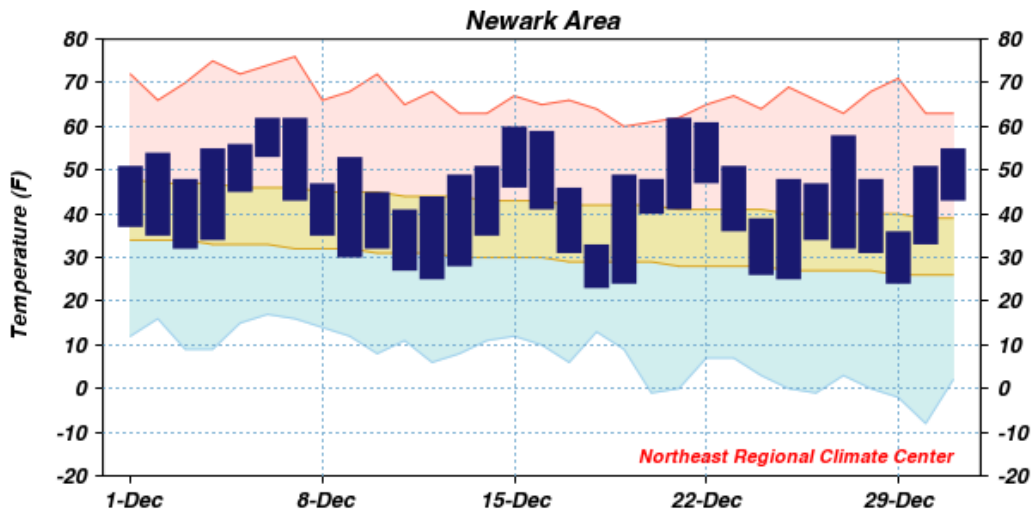
Month	Rank
April	7th
May	9th
June	7th
July	2nd
September	5th
November	6th
December	5th

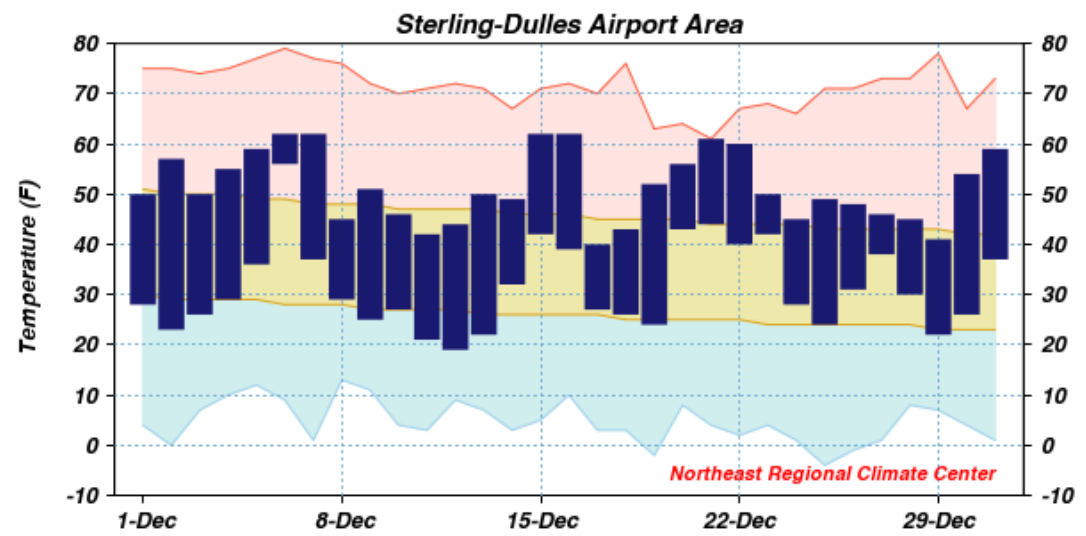
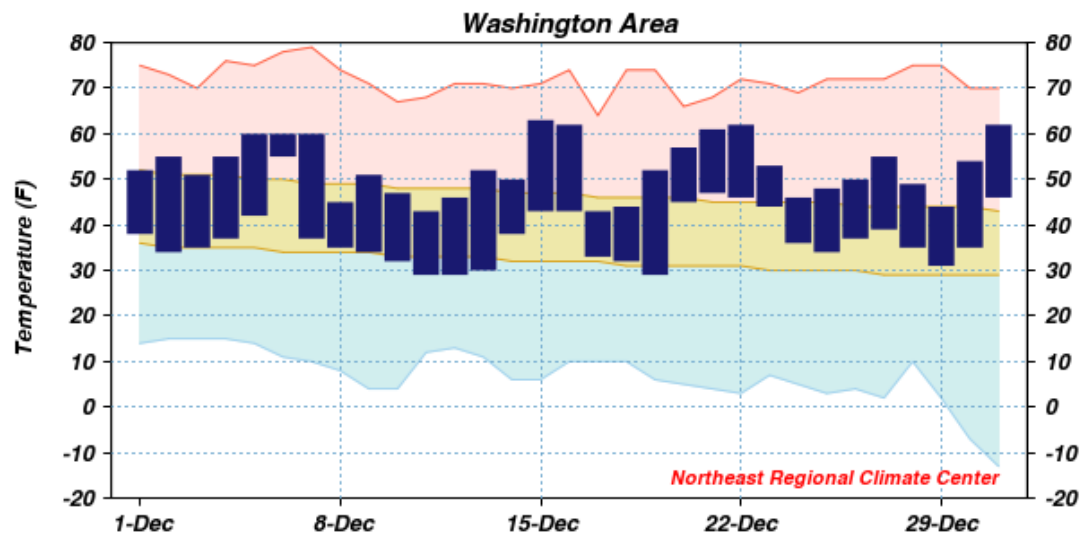
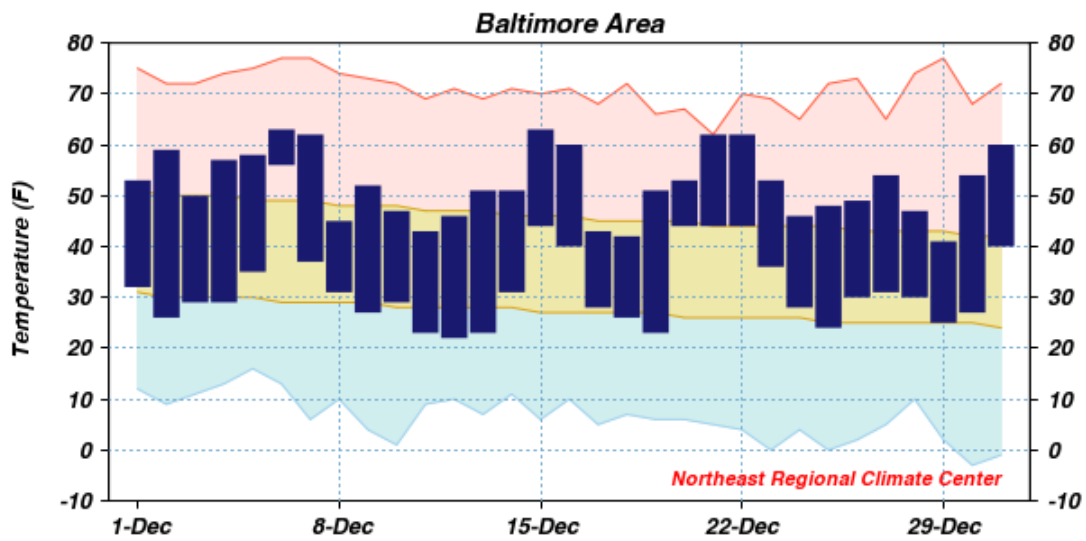
Table 5. Months in 2011 where the NJ average temperature ranked in the top ten for warmth (out of 117 years since 1895) in their respective month.

Top ten lists are always subject to debate, be it due to those events included OR excluded, along with the order of the ranking. We would love to hear your comments on the 2011 list that follows at support@climate.rutgers.edu. Remember, we were looking for events with widespread impacts. You may have experienced a severe storm at some point that was mainly localized, leaving a memory for you, but perhaps not many others. Also, when considering statewide records, they extend back to 1895.

- 1) Wettest year for NJ (wettest station over a calendar year)
- 2) Tropical Storm Irene: August 27-28 (3rd wettest rainstorm, record flooding)
- 3) Wettest month on record for NJ: August (wettest two consecutive months: Aug-Sep)
- 4) Early-season snowstorm: October 29-30
- 5) Third warmest year for NJ (11 months above average; seven in the top ten for their month)
- 6) Second hottest month on record: July (including top ten hottest day: July 22)
- 7) Snowstorm: January 26-27
- 8) Snowiest January on record for NJ
- 9) Back-to-back rain storms March 6-7, 10-11 (major flooding)
- 10) Ice storm: February 1-2

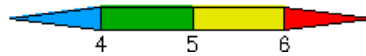
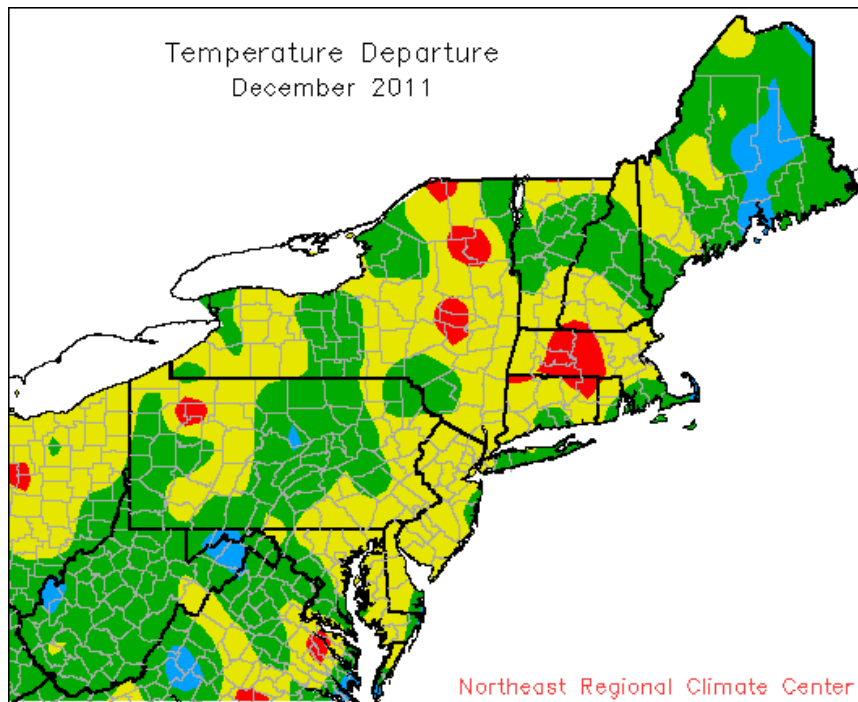
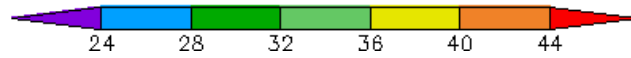
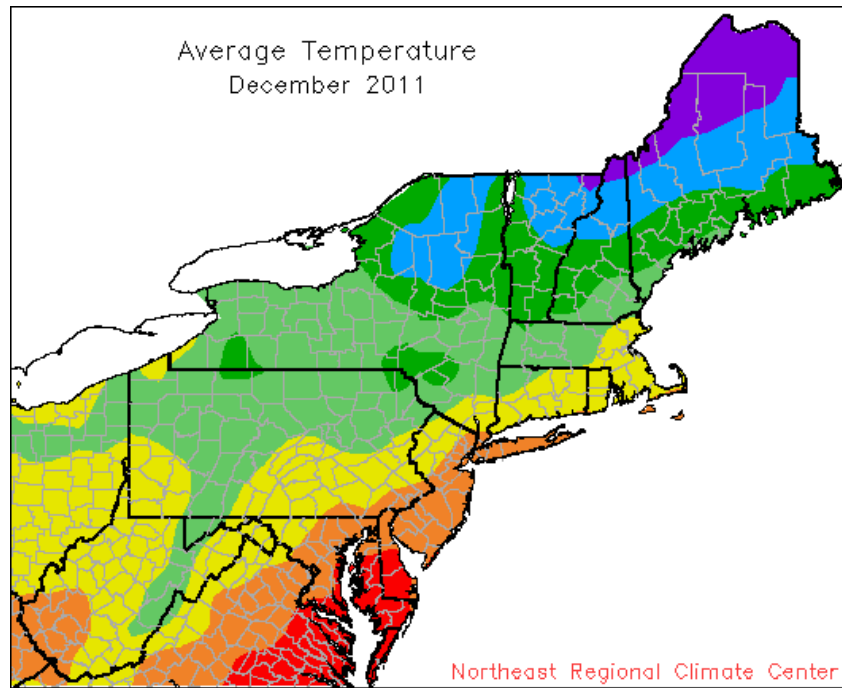
DAILY AVERAGE TEMPERATURES AND THE 30-YEAR NORMAL



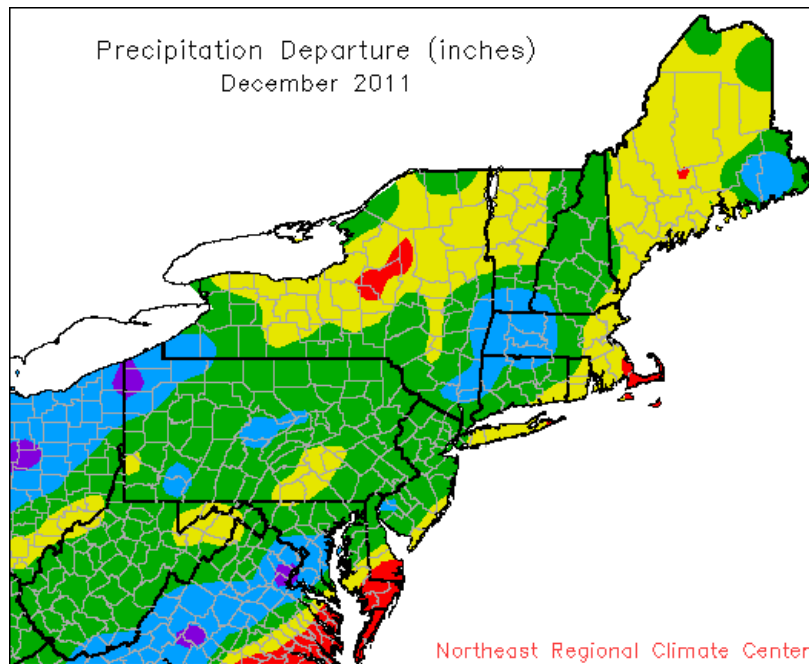
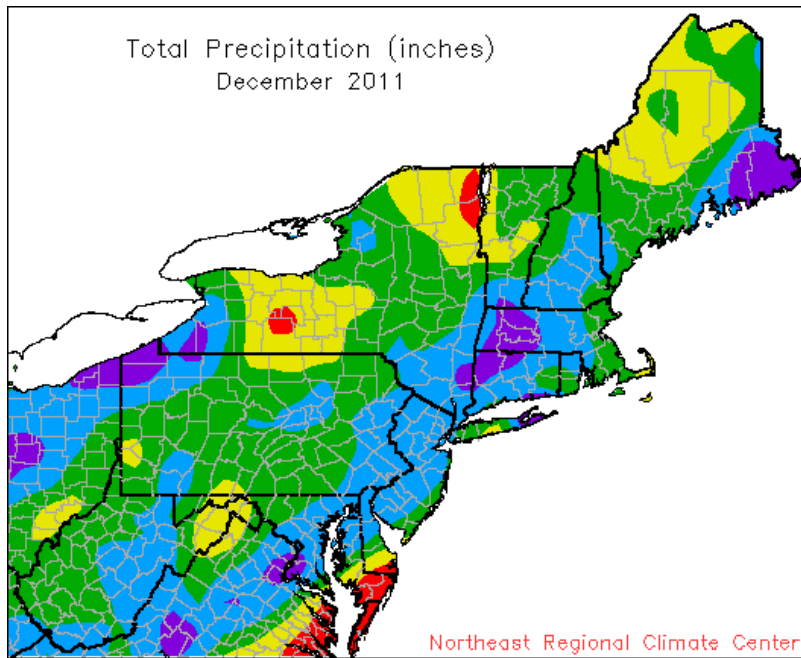


Area between normal max and min temperatures has tan shading.
 Red line connects record high temperatures.
 Light blue line connects record low temperatures.

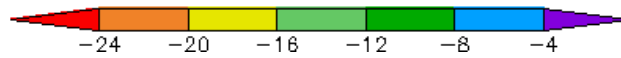
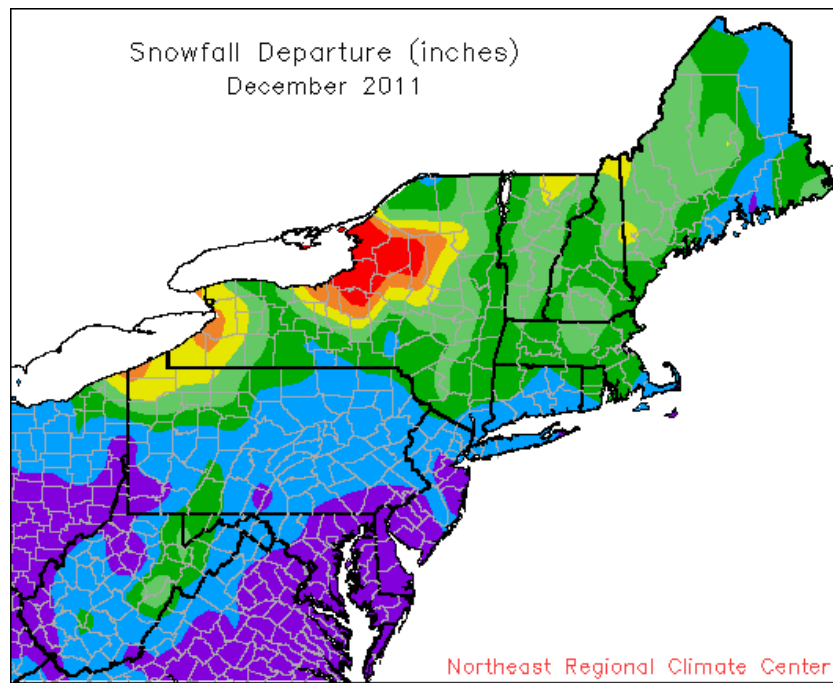
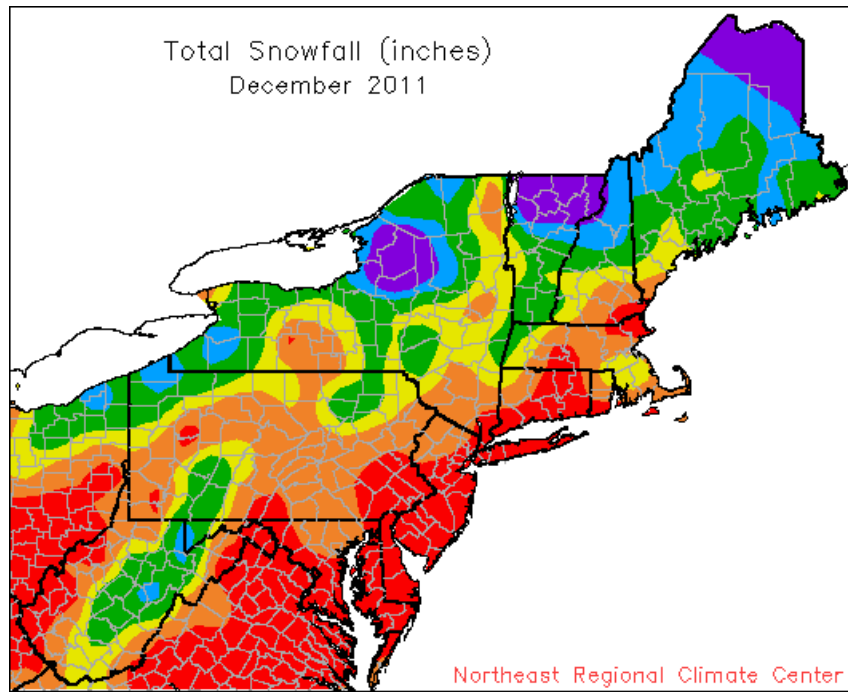
MONTHLY TEMPERATURE MAPS



MONTHLY PRECIPITATION MAPS



MONTHLY SNOWFALL MAPS



PRELIMINARY MONTHLY SUMMARIZED DATA DECEMBER 2011

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+ MAX	32- MIN	32- MIN	0- MIN	MON TOT	DEPRT TOT	DAYS 0.1+	DLY MAX	DAY MAX	MON TOT	DLY MAX	
-DE: NORTHERN-																				
BEAR 2 SW	51.0	31.1	41.0	5.2	63	22	20	12	16	0	21	0	4.48	0.80	5	2.20	7	0.1	0.1	18
WILMINGTON NEW CAS	50.8	31.9	41.3	4.6	62	22+	20	12	17	0	20	0	4.44	0.96	5	1.94	7	0.1	0.1	18
WILMINGTON PORTER R	50.3	32.3	41.3	5.1	60	21	25	29	14	0	16	0	5.61	1.51	6	2.38	27	0		
-DIVISION-			41.2	4.7									4.84	1.09				0.1		
-DE: SOUTHERN-																				
DOVER	55.3	34.6	44.9	5.7	65	6	22	12	24	0	18	0	4.37	0.72	6	2.54	7	NM		
-DIVISION-			44.9	6.0									4.37	0.75						
-STATE-			44.1	5.7									4.47	0.83				0		
-MD: SOUTHEASTERN-																				
SALISBURY WICOMICO	57.0	33.8	45.4	6.4	72	7	22	19	25	0	20	0	1.69	-2.02	4	0.51	27			
-DIVISION-			45.4	5.2									1.69	-1.97						
-MD: CENTRAL EAST-																				
ROYAL OAK 2 SSW	53.8	36.5	45.1	5.0	63	6	23	12	23	0	12	0	4.17	0.43	7	1.53	7	T	T	
-DIVISION-			45.1	5.8									4.17	0.63				0		
-MD: LOWER SOUTHE-																				
MECHANICSVILLE 5 N	52.1	31.2	41.6	4.3	65	16	21	13+	21	0	21	0	4.64	0.94	5	2.32	8			
SOLOMONS	52.6	40.1	46.4	5.2	66	16+	31	29	19	0	3	0	2.69		5	1.13	8	NM		
-DIVISION-			44.0	5.4									3.67	0.15						
-MD: UPPER SOUTHE-																				
BALTIMORE WASH INT	52.4	32.1	42.2	5.5	63	15+	22	12	20	0	21	0	4.50	1.13	5	2.38	7	T	T	
BELTSVILLE	50.8	31.9	41.3	4.4	62	22+	22	12	18	0	20	0	4.75	1.62	4	2.02	8	0		
DALECARLIA RSVR	50.4	33.1	41.7	4.1	63	22+	23	12	16	0	18	0	4.46	1.24	5	1.67	8	0		
LAUREL 3 W	50.6	35.1	42.9	5.1	62	15	26	12+	16	0	12	0	3.87	0.10	6	2.00	7	T	T	
BALTIMORE DOWNTOWN	54.0	40.2	47.1	7.7	66	22	32	29+	22	0	2	0						NM		
NATL ARBORETUM DC*	52.7	32.5	42.6	3.4	65	7	23	11												
OXON HILL	51.5	34.4	43.0	4.4	62	16+	24	12	20	0	15	0	5.24	1.97	5	2.31	8	T	T	
UPPER MARLBORO 3 N	52.2	30.9	41.5	4.1	64	16	20	12	21	0	19	0	5.01	1.87	5	2.02	8			
-DIVISION-			42.8	5.2									4.64	1.28				0		
-MD: NORTHEASTERN-																				
STEVENSVILLE	50.9	37.5	44.2	5.0	62	22+	27	12	16	0	8	0	5.25		5	2.20	8	0		
-DIVISION-			44.2	6.8									5.25	1.70				0		
-MD: NORTHERN CEN-																				
ABERDEEN PHILLIPS	50.8	32.9	41.8	4.5	63	23	21	12	19	0	19	0	4.36	0.78	4	1.82	8	0		
BRIGHTON DAM													4.30		7	1.25	7	0		
CATOCTIN MTN PK	45.9	32.4	39.1	5.4	58	5	18	11	11	1	18	0	3.50	0.31	6	0.76	27			
CONOWINGO DAM													4.58	0.55	4	1.98	8	T	T	
CYLBURN	48.5	33.4	41.0	5.2	61	7	22	12+	13	0	17	0						NM		
DAMASCUS	48.0	34.0	41.0	5.7	60	8+	22	13+	11	0	15	0	4.38	0.75	7	1.58	8			
EMMITSBURG 2 SE	47.8	29.3	38.5	4.2	60	23+	19	13+	10	0	19	0	3.54	0.21	4	1.51	8	T	T	
FREDERICK 2 NNE	49.3	30.9	40.1	4.8	63	16	21	19+	15	0	18	0	3.41	0.10	6	1.23	8	0		
MILLERS 4 NE	48.8	31.9	40.3	6.1	60	7+	19	11	11	0	18	0	3.72	0.08	5	0.94	23	1.7	0.8	8
SMITHSBURG	46.5	29.2	37.9	4.4	60	7+	17	12+	12	0	20	0	3.54	0.19	5	1.57	8	0		
WESTMINSTER POL BR	48.6	31.6	40.1	5.0	62	6	20	13+	13	0	19	0	3.34	-0.30	4	1.30	8	0		
-DIVISION-			40.0	4.5									3.72	0.23				0.3		
-MD: APPALACHIAN -																				
CUMBERLAND 2	47.5	28.6	38.1	2.5	64	16	18	12	11	0	23	0	2.89	0.04	4	1.09	8	NM		
FROSTBURG 2	41.1	27.1	34.1	4.2	60	6	13	12	5	5	25	0	3.14	-0.15	4	1.16	8			
WILLIAMSPORT *	48.9	29.5	39.2	4.8	62	16	20	13+												
-DIVISION-			37.1	3.9									3.01	-0.05						
-MD: ALLEGHENY PL-																				
OAKLAND 1 SE	43.1	24.5	33.8	4.0	64	5	8	11	8	7	25	0	3.16	-0.69	9	0.73	31	9.4	5.0	8
KITZMILLER 1 W	45.0	28.1	36.5		63	6	17	13+	7	0	25	0						NM		
-DIVISION-			35.2	4.6									3.16	-0.45				9.4		
-STATE-			41.6	5.0									3.61	0.13				0.7		

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	MON DAY MIN	MAX	MIN	50+	32-	32-	0-	MON TOT	DEPRT 0.1+	DAYS	DLY MAX	DAY	MON TOT	DLY MAX
-NJ: NORTHERN-																			
BELVIDERE BRG *	46.6	27.7	37.3	4.6	58	7+	17	12	11	1			4.60	0.99	6	1.93	8	0	
BLACKWELLS MILLS													4.12	0.16	5	2.22	8	NM	
BOONTON 1 SE	47.4	29.2	38.3	5.1	60	7	17	19	11	1	22	0	5.00	1.27	5	1.98	8		
BOUND BROOK 2 W													3.97	0.18	4	1.74	8	0	
CANOE BROOK *	48.6	31.1	39.9	6.2	61	22+	20	19					4.11	-0.02	5	2.00	8	0	
CHARLOTTEBURG RSV*	44.5	28.8	36.6	4.0	59	6	16	19										NM	
CRANFORD	48.9	34.6	41.8	6.4	62	8	18	18	15	1	14	0	4.51	0.35	5	2.03	8	0	
FLEMINGTON 5 NNW *	47.3	28.2	37.8	4.6	60	22+	17	19					4.60	0.31	5	2.11	8	NM	
HARRISON	49.1	33.4	41.2	4.8	62	22	23	30+	14	1	14	0	4.41	0.48	5	1.88	8		
LAMBERTVILLE													4.60	0.44	6	1.86	8	NM	
NEWARK INTL AP	50.6	34.5	42.5	6.0	62	21+	23	18	16	0	14	0	4.51	0.70	6	1.90	7	0	
PHILLIPSBURG EAST*	47.0	28.3	37.7	4.8	60	8+	20	19										NM	
PLAINFIELD	51.1	32.4	41.8	6.2	62	21+	18	18	17	0	18	0	2.62	-1.38	3	2.24	7	0	
POTTERSVILLE 2 NNW	46.8	30.2	38.5		58	22+	18	19	9	1	21	0	4.60	0.25	5	1.87	8		
SUSSEX 2 NW *	44.6	27.3	35.9	5.7	58	6	16	19+											
WAYNE *	49.6	32.0	40.9		60	7	20	19					4.18		5	1.86	8	0	
WERTSVILLE 4 NE	48.2	29.8	39.0	5.1	61	22	19	19	12	1	21	0	4.45	0.45	6	2.20	8	NM	
TOCKS ISLAND	46.3	29.3	37.8		60	7+	20	19+	10	0	21	0						NM	
-DIVISION-			39.1	5.4									4.33	0.33				0	
-NJ: SOUTHERN-																			
ATLANTIC CITY INTL	53.7	32.3	43.0	5.8	66	6+	18	18	22	0	21	0	3.65	-0.04	7	1.55	7	T	T
ESTELL MANOR	52.7	30.4	41.5	5.3	68	6	19	19	21	0	21	0	4.40	0.33	6	1.32	7	T	T
FREEHOLD MARLBORO	51.2	31.1	41.1	5.0	64	7	19	19	18	0	21	0	4.73	0.66	6	1.82	8	NM	
HAMMONTON 1 NE *	51.3	31.0	41.1	5.0	65	7	20	20											
HIGHTSTOWN 2 W	50.6	29.5	40.1	4.6	63	22+	18	19+	16	1	21	0	4.80	1.03	6	1.98	8	0	
INDIAN MILLS	52.4	32.1	42.2	6.3	62	22+	18	19+	19	0	17	0	4.74	0.72	5	1.41	7	0	
MAYS LANDING 1 W													3.56		3	1.95	7	NM	
MILLVILLE MUNI AP	51.9	29.9	40.9	4.8	65	5	18	19	17	0	21	0	4.61	1.09	7	2.46	7	NM	
MOORESTOWN *	51.8	33.3	42.5	5.6	62	22+	22	12										NM	
NEW BRUNSWICK 3 SE	50.9	30.5	40.7	5.1	62	22+	18	19	18	0	21	0							
SEABROOK FARMS	51.4	35.9	43.6	6.0	64	6	24	18+	18	0	12	0	4.28	0.30	5	1.69	8	0	
SOMERDALE 4 SW	47.4	29.7	38.5		61	7	18	19+	10	1	21	0	5.17	1.20	4	2.56	8		
TRENTON MERCER CO	51.6	33.1	42.3	7.0	63	21+	22	19+	19	0	20	0	4.42	0.72	8	2.06	7	NM	
PHILADELPHIA MT HO	50.0	31.1	40.6		63	22+	20	19	14	0	22	0	4.87		4	2.16	8	T	T
-DIVISION-			41.4	4.9									4.57	0.70				0	
-NJ: COASTAL-																			
ATLANTIC CITY	51.5	39.7	45.6	5.7	61	22+	28	30	19	0	6	0	2.49	-1.13	6	0.83	8	NM	
BRANT BEACH HVN	49.2	37.8	43.5	5.0	60	8	27	18	16	0	6	0	2.34	-1.02	5	0.79	8	NM	
CAPE MAY 2 NW	53.5	35.2	44.3	4.9	64	22+	24	19+	22	0	13	0	2.38	-1.09	6	0.67	7	0	
LONG BRANCH OAKHUR	50.6	33.0	41.8	4.0	64	22	21	19	18	0	21	0	4.05	0.16	6	1.45	23	NM	
-DIVISION-			43.8	5.0									2.82	-0.84				0	
-STATE-			40.7	5.1									4.35	0.45				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 DECEMBER 2011

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	735	-170	1528	-350	0	0	1311	292				
WILMINGTON NEW CAST	728	-151	1491	-286	0	0	1436	291				
WILMINGTON PORTER RS	731	-162	1516	-297	0	0						
-DE: SOUTHERN-												
DOVER	614	-186			0	0						
-MD: SOUTHEASTERN SHORE-												
SALISBURY WICOMICO	598	-208	1182	-442	0	0	1719	566				
-MD: CENTRAL EASTERN SHORE-												
ROYAL OAK 2 SSW	608	-164			0	0						
-MD: LOWER SOUTHERN-												
MECHANICSVILLE 5 NE	718	-139	1493	-280	0	0	1241	225				
SOLOMONS	570	-169	1066	-239	0	0						
-MD: UPPER SOUTHERN-												
BALTIMORE WASH INTL	698	-179	1412	-369	0	0	1558	394				
BELTSVILLE	727	-143	1453	-301	0	0	1535	297				
DALECARLIA RSVR	714	-137	1488	-177	0	0	1631	223				
LAUREL 3 W	678	-167			0	0						
BALTIMORE DOWNTOWN	547	-245	1016	-427	0	0						
OXON HILL	673	-145	1359	-232	0	0	1634	251				
UPPER MARLBORO 3 NN	718	-138	1459	-281	0	0	1552	355				
-MD: NORTHEASTERN SHORE-												
STEVENSVILLE	637	-163	1232	-262	0	0	1646	420				
-MD: NORTHERN CENTRAL-												
ABERDEEN PHILLIPS F	712	-145	1495	-241	0	0						
CATOCTIN MTN PK	793	-176			0	0						
CYLBURN	736	-170	1529	-338	0	0						
DAMASCUS	735	-187	1591	-332	0	0						
EMMITSBURG 2 SE	813	-139	1778	-253	0	0	1066	207				
FREDERICK 2 NNE	767	-155			0	0						
MILLERS 4 NE	757	-198	1615	-397	0	0	1161	366				
SMITHSBURG	834	-142			0	0						
WESTMINSTER POL BRK	763	-165			0	0						
-MD: APPALACHIAN MOUNTAIN-												
CUMBERLAND 2	828	-83			0	0						
FROSTBURG 2	950	-139	2171	-329	0	0	585	178				
-MD: ALLEGHENY PLATEAU-												
OAKLAND 1 SE	963	-128	2278	-304	0	0	505	179				
KITZMILLER 1 W	874				0							
-NJ: NORTHERN-												
BOONTON 1 SE	820	-166			0	0						
CRANFORD	715	-204			0	0						
HARRISON	730	-157			0	0						
NEWARK INTL AP	688	-194	1347	-403	0	0	1585	393				

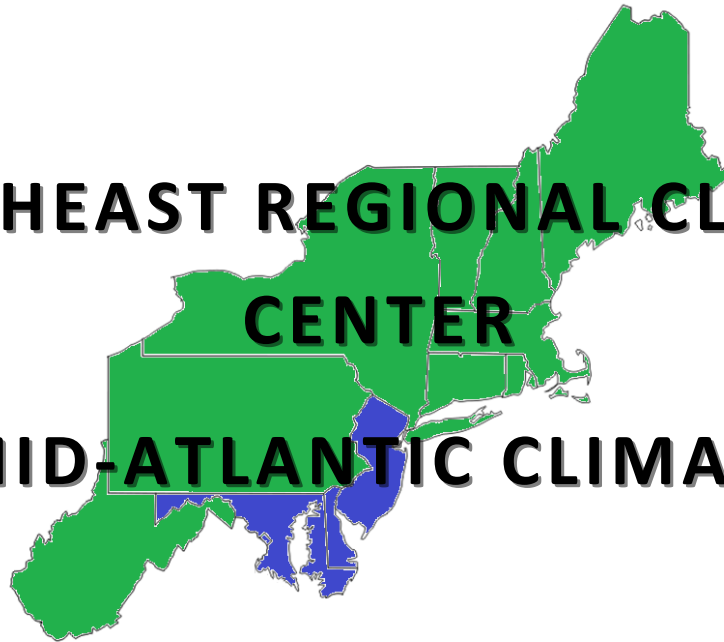
STATION	HEATING DEGREE DAYS (BASE 65)				COOLING DEGREE DAYS (BASE 65)				GROWING DEGREE DAYS (BASE 50)			
	MONTH	MONTH	SEASON	SEASON	MONTH	MONTH	SEASON	SEASON	MONTH	MONTH	SEASON	SEASON
PLAINFIELD	714	-199			0	0						
POTTERSVILLE 2 NNW	815				0							
WERTSVILLE 4 NE	801	-163			0	0						
TOCKS ISLAND	837		1806		0		826					
-NJ: SOUTHERN-												
ATLANTIC CITY INTL	672	-190	1333	-436	0	0	1465	410				
ESTELL MANOR	718	-173	1455	-402	0	0	1365	391				
FREEHOLD MARLBORO	731	-163			0	0						
HIGHTSTOWN 2 W	766	-147	1569	-367	0	0						
INDIAN MILLS	697	-207			0	0						
MILLVILLE MUNI AP	741	-153			0	0						
NEW BRUNSWICK 3 SE	746	-165	1515	-397	0	0						
SEABROOK FARMS	655	-196			0	0						
SOMERDALE 4 SW	813		1735		0		1299					
TRENTON MERCER CO A	695	-224	1408	-487	0	0	1437	472				
PHILADELPHIA MT HOL	753		1528		0		1301					
-NJ: COASTAL-												
ATLANTIC CITY	595	-183	1158	-333	0	0	1221	201				
BRANT BEACH HVN	659	-164			0	0						
CAPE MAY 2 NW	635	-160	1226	-311	0	0	1413	325				
LONG BRANCH OAKHURS	712	-133			0	0						

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