

Northeast Regional Climate Center

Mid-Atlantic Climate

CONTENTS

CLIMATE DIVISION MAPS.....	1
SEPTEMBER WEATHER HIGHLIGHTS.....	2
DAILY AVERAGE TEMPERATURES AND THE 30-YEAR NORMAL.....	8
MONTHLY TEMPERATURE MAPS.....	10
MONTHLY PRECIPITATION MAPS.....	11
PRELIMINARY MONTHLY SUMMARIZED DATA SEPTEMBER 2014.....	12
PRELIMINARY MONTHLY DEGREE DATA SEPTEMBER 2014.....	14



SEPTEMBER 2014

VOLUME 114 NUMBER 9

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

Address: Phone: (607)255.1751

1123 Bradfield Hall Fax: (607)255.2106

Cornell University Email: nrcc@cornell.edu

Ithaca, NY 14853

NRCC Staff:

Dr. Arthur DeGaetano
Director
Mr. William Noon
Computer Analyst

Mr. Keith Eggleston
Regional Climatologist
Mrs. Jessica Spaccio
Assistant Climatologist

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

Mrs. Pamela Vitale
Administrative Assistant

State Climatologists:

Dr. Daniel Leathers
210 Pearson Hall
Department of Geography
Newark, DE 19716
302-831-8764

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

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

CLIMATE DIVISION MAPS



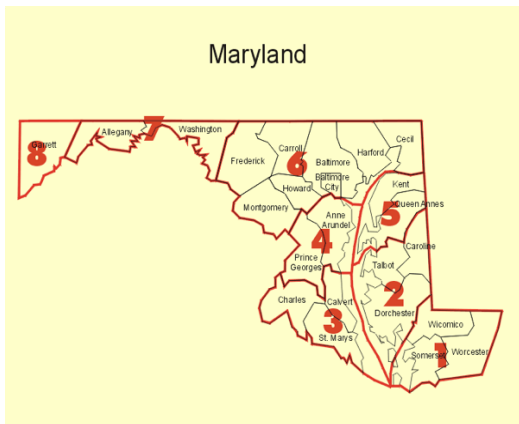
New Jersey Climate Divisions

- 1 Northern
- 2 Southern
- 3 Coastal



Delaware Climate Divisions

- 1 Northern
- 2 Southern



Maryland Climate Divisions

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

SEPTEMBER WEATHER HIGHLIGHTS

The Mid-Atlantic bounced back to warmer-than-normal conditions in September. With an average temperature of 67.7 degrees, it was 0.8 degrees above normal. Delaware was the warmest state at 1.3 degrees above normal, followed by New Jersey at 0.9 degrees above normal. New Jersey's Northern division had its 17th warmest September on record. Maryland was 0.6 degrees warmer than normal for the month. The National Arboretum in Washington, DC, reported the month's highest temperature: 98 degrees on the 7th. Savage River Dam in western Maryland took over as the month's cool spot, reporting a low of 34 degrees on the 18th.

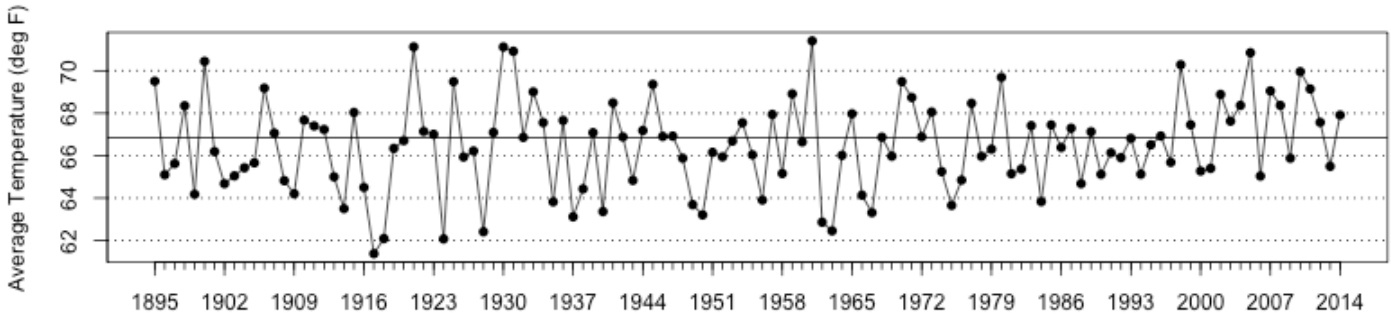
September was quite dry in the Mid-Atlantic. The region picked up only 2.71 inches of precipitation, 66 percent of normal. Maryland and New Jersey both received 64 percent of their normal precipitation, while Delaware saw 84 percent of normal. Two Maryland divisions and one New Jersey division ranked the month among their top 20 driest. Maryland's Appalachian Mountains had its 6th driest September on record, as did New Jersey's Northern division, while Maryland's Allegheny Plateau had its 18th driest. Cumberland, MD, reported the lowest monthly precipitation total, 0.83 inches. On the other hand, Snow Hill received 5.83 inches of precipitation for the month, and Atsion, NJ, saw 2.50 inches on the 1st.

According to the U.S. Drought Monitor, a small portion of northern New Jersey (totaling 1 percent of the state) was experiencing abnormally dry conditions at the start of September. Conditions deteriorated throughout the month, and by month's end, 42 percent of the state was abnormally dry. As for Maryland, abnormally dry conditions were introduced in three western counties (totaling 7 percent of the state) in mid-September. At the end of the month, 21 percent of the state was abnormally dry. The USDA Crop Report from September 30 listed topsoil moisture in New Jersey as 4 percent very short and 20 percent short and subsoil moisture as 5 percent very short and 28 percent short. In Maryland, harvesting of apples, lima beans, and snap beans was slightly behind schedule.

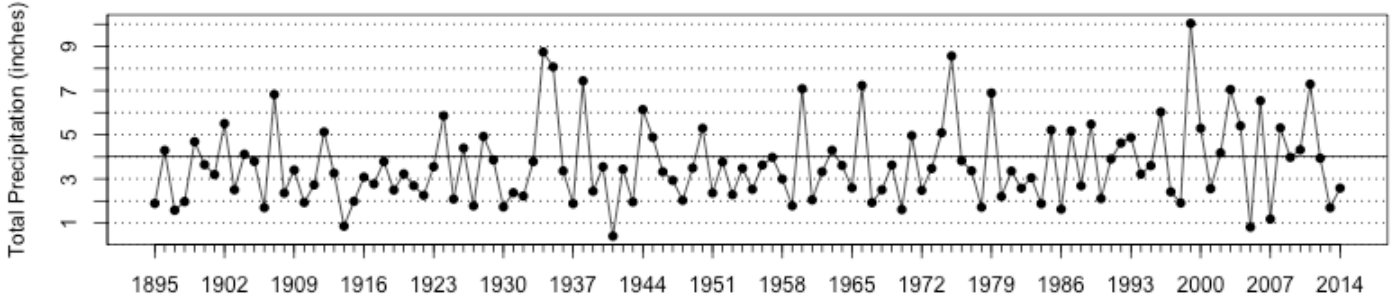
Daily Maximum Temperature Records (°F)

<u>Station</u>	<u>Date</u>	<u>New</u>	<u>Previous</u>
Newark, NJ	28	87	85 in 1954

Mid Atlantic Average September Temperatures



Mid Atlantic September Precipitation Totals



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

Increasingly Dry in the North September 2014 Recap

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

Overview

Combined with below-average precipitation in August, the northern half of New Jersey has become quite dry. Conversely, rainfall has been more common in the south, thus despite a drier-than-average September, the two-month total is slightly above average. Looking first at September, statewide precipitation averaged 2.82". This is 1.25" below the 1981-2010 average and ranks as the 46th driest September since 1895. From Hunterdon, Somerset, and Union counties northward, only 1.49" fell, which is 3.00" below average and ranks as 7th driest (Table 1). The southern counties averaged 3.47", which is 0.40" below average and ranks as 56th wettest.

Rank	Year	North Sept. Prcp
1	1914	0.32"
2	1941	0.46"
3	1895	1.03"
4	1948	1.03"
5	2007	1.17"
6	1898	1.39"
7	2014	1.49"
8	1964	1.59"
9	1943	1.60"
10	1980	1.69"

Table 1. Ten driest Septembers in north Jersey since 1895.

The statewide August-September precipitation total was 7.22", which is 1.06" below average and ranks as 48th driest. Rendering these numbers regionally meaningless is the 3.52" two-month total in the north and 9.15" south total. Up north, this is 5.10" below average and ranks as 6th driest (Table 2). The south total is 0.98" above average and ranks as 52nd wettest. Northern totals are between 25%-50% of normal for the 60 days ending on September 30. Meanwhile, a substantial swath in the south receive from 100%-200% of normal, with the August 12-13 deluge in the vicinity of Millville (Cumberland) putting that small area above the 200% mark.

Rank	Year	North Aug.- Sept. Prcp
1	1964	2.23"
2	1914	2.99"
3	1895	3.44"
4	1980	3.46"
4	2005	3.46"
6	2014	3.52"
7	1984	4.06"
8	1953	4.24"
9	1972	4.25"
10	1916	4.62"

Table 2: Ten driest August-Septembers in north Jersey since 1895.

September was above average in the temperature department. The mean of 67.0° was 0.8° above the 1981-2010 average and ranked as the 29th warmest on record (tied with 2 other months). It reversed the pattern of the last two months. Thus far, only May has had a warmer anomaly in 2014.

Precipitation and storms

September precipitation totals benefited from heavy rain that fell in south Jersey during the daytime of August 31st into the early hours of the 1st. As discussed in the August narrative, and similar to what occurred at the end of April, this rainfall is included in the September count. This resulted in maximum monthly totals of 7.92" in Winslow (Camden County), and in Gloucester County, Monroe Township 7.44", Clayton 7.33", Franklin Township 7.30", and Washington Township 6.74" and 5.86". If only rainfall from the 2nd through 30th is considered, Clayton tops the list with 4.55", followed by 4.26" in Monroe Township and 4.13" in Franklin Township.

The driest locations in NJ could not manage 1.00" for the month. This included North Brunswick (Middlesex) with only 0.89", Montgomery Township (Somerset) at 0.94" (with another station at 1.03"), South River (Middlesex) 0.97", Denville (Morris) 0.98", and Glen Rock (Bergen) 0.99".

August-September totals at individual stations were of course more striking than regional ones discussed previously. Ocean County had the three highest station totals with 16.11" in Lacey Township, 15.94" at Stafford Township, and 15.16" in Little Egg Harbor. Worrisome low totals include Denville (Morris) 2.02", Roxbury (Morris) 2.05", and Ringwood

(Passaic) 2.36". As a result of the minimal rainfall in the north, streamflow at the end of September was near the lower third compared to normal, ground water levels had fallen below average, and reservoir levels recently fell below seasonal norms. The [US Drought Monitor](#) considers north Jersey to be in the D0 (abnormally dry) category. Looking further at the August 31st-September 1st storm, the southwest portion of NJ over to the coast in southern Ocean County received more than an inch of rain. This included drenching totals of 4.32" and 3.15" at two locations in Washington Township (Gloucester), 4.21" in Winslow Township (Camden), 3.18" in Monroe Township (Gloucester), and 3.17" at Franklin Township (Gloucester). At most, a few tenths of an inch fell in north Jersey and in Cape May County.

The evening of the 2nd brought more rain to the southwest over to southern Burlington and Ocean counties. Winslow received 0.97", Clayton (Gloucester) 0.89", and Monroe Township 0.86". Nothing fell in north Jersey. There was some minor tree damage from winds in Camden County. Widely scattered showers fell in central NJ during the late afternoon and evening of the 5th. This included 1.32" in Cranbury (Middlesex), 0.61" at Berlin (Camden), and 0.45" in Woodbridge (Middlesex). More rain followed during the afternoon and evening of the 6th, accompanied by locally strong winds that brought down trees and power lines in portions of Monmouth and Burlington counties. Most everywhere in the state had a few tenths, with scattered half-inch totals in the northwest and south. Monmouth County received the most, with 1.88" in Red Bank, 1.64" at Freehold, and 1.39" in Rumson.

The second half of the 13th saw widespread 0.30"-0.60" totals in the southern third of the state, with 0.20"-0.30" common elsewhere. Top amounts included Long Hill Township (Morris) with 0.62", Woodstown (Salem) 0.54", and 0.53" in the Camden County communities of Winslow and Berlin. The morning of the 16th saw a moderate event in the northeast corner of the state deposit 0.84" in Summit (Union), 0.78" at Long Hill Township (Morris), 0.76" in North Arlington (Bergen), and 0.73" in Maplewood (Essex). A few tenths fell elsewhere in northern NJ, with little to none in the southern half of the state.

The final event of the month came later on the 24th into the 25th. A coastal storm brought over 1.50" to Cape May and nearby sections of Cumberland and Atlantic counties. Two dozen CoCoRaHS stations received over 2.00", 30 caught between 1.00"-1.99", 145 saw 0.01"-0.99", and Vernon Township (Sussex) did not receive any rain. Topping the list was Linwood (Atlantic) with 2.92", followed by Egg Harbor Township (Atlantic) 2.70", Stafford (Ocean) 2.67", and Franklin Township (Gloucester) 2.66".

The minimum barometric pressure of September occurred on the 21st, when many locations observed levels of 29.60"-29.65" of mercury. The 26th saw monthly maximums between 30.55"-30.60". On only 4 days during the month did a [NJWxNet](#) station report winds gusting to 40 mph or higher. These include a 41 mph gust at Harvey Cedars (Ocean) on the 2nd, Cream Ridge (Monmouth) 41 mph on the 6th, High Point Monument (Sussex) 42 mph on the 22nd, and Harvey Cedars 41 mph on the 25th.

Temperature

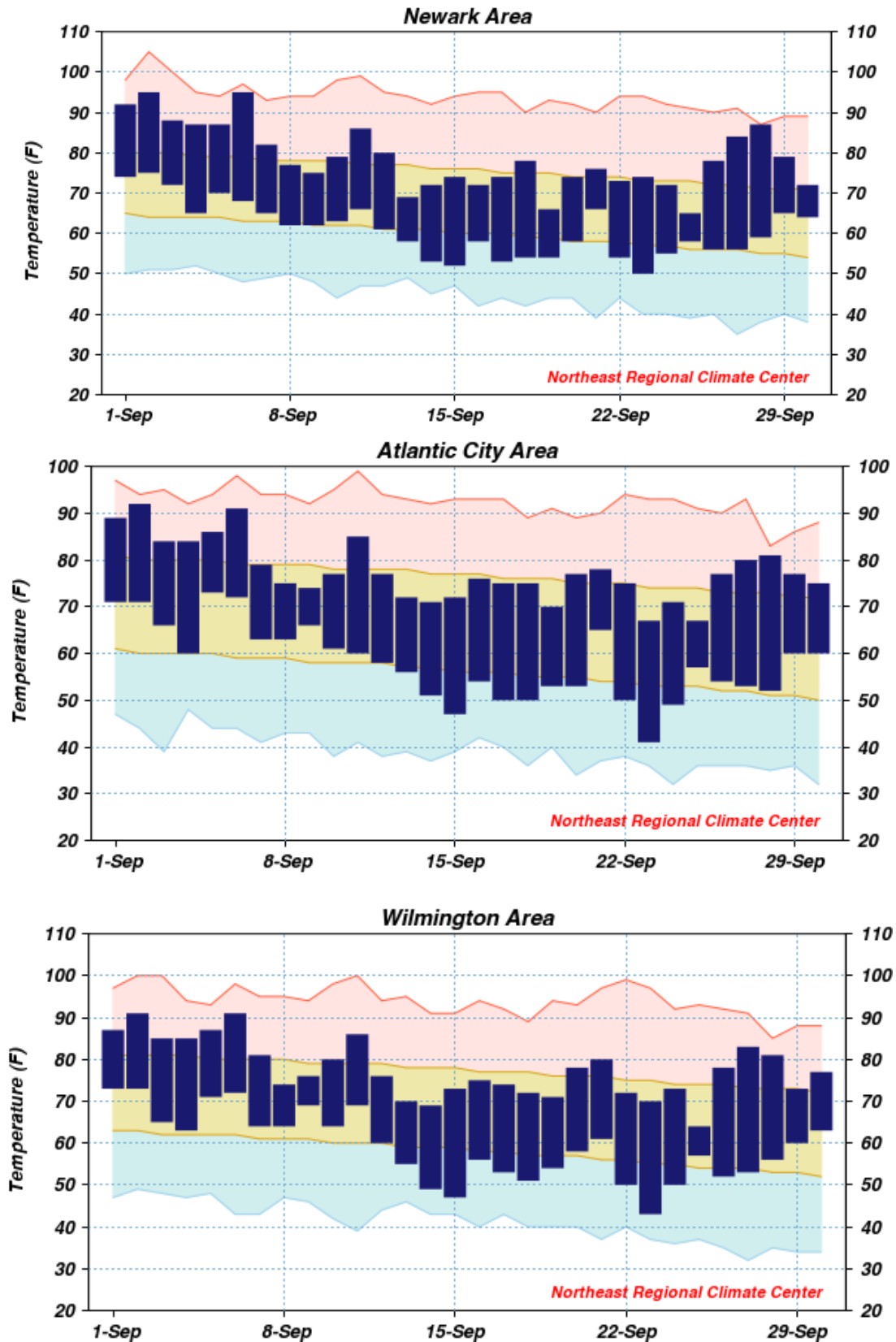
Following a summer with fewer-than-average days with maximum temperatures equaling or exceeding 90°, the first week of September saw one or more station achieve that mark on five afternoons. On the 1st, Hawthorne (Passaic) and Hillsborough (Somerset) topped out at 91°, with nine other stations within the 56 station NJWxNet at 90°. The 2nd saw 39 stations at 90° or higher, including Hawthorne at 95° and Jersey City (Hudson) at 94°. Hillsborough made it to 91° on the 4th and seven stations were at 90° or 91° on the 5th. The 6th was hottest day of the month and one of the three

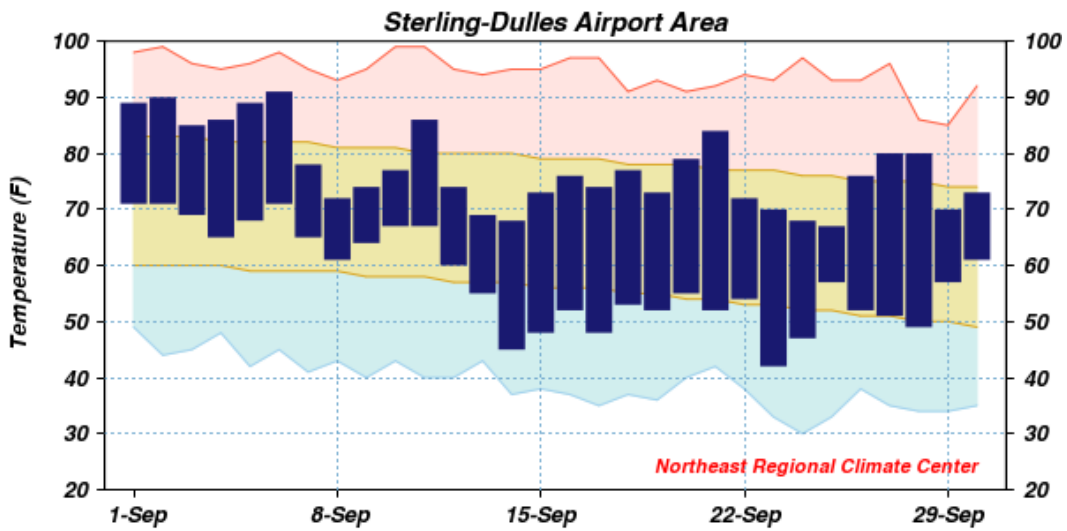
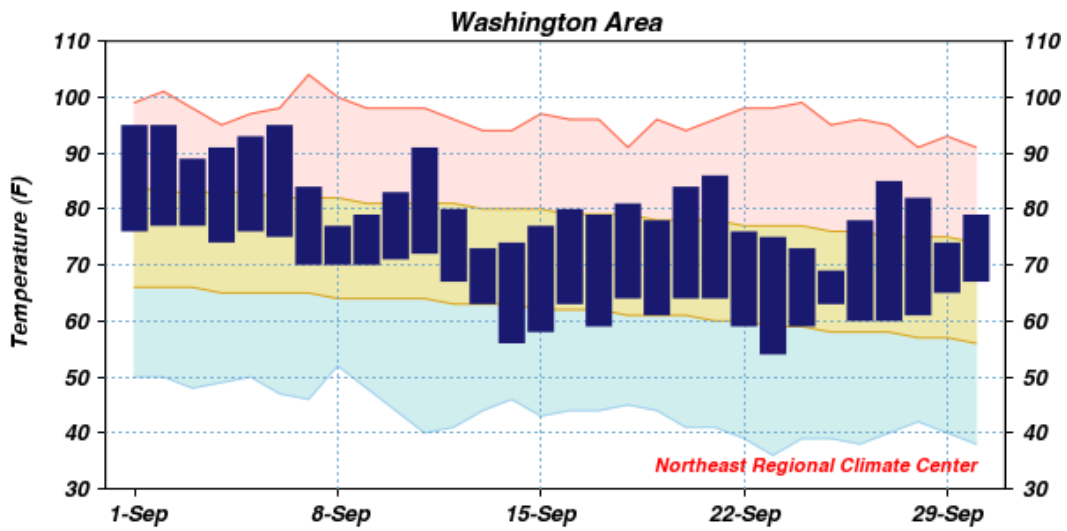
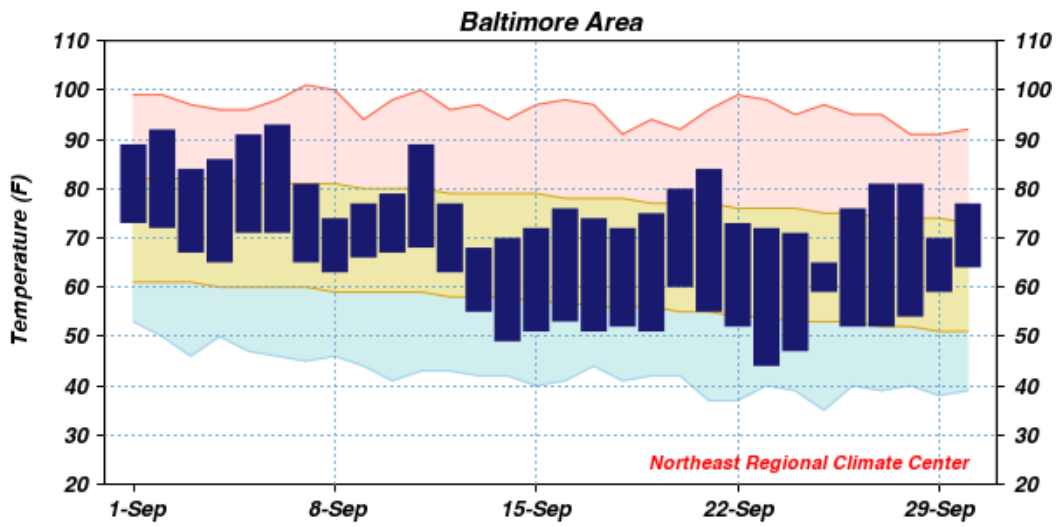
hottest days of the year (along with July 2nd and July 8th). The 90° mark was reached at 42 stations, with Hillsborough the hottest at 96°, followed by Hawthorne at 95° and five locations at 94°. Harvey Cedars (Ocean) only made it to 81° and Atlantic City Marina (Atlantic) to 84° on the 6th.

On 13 September days, Walpack (Sussex) had a low temperature of 45° or lower. Pequest (Warren) came close to this with 12. Looking at the seven mornings when the coldest conditions were found throughout NJ, all occurred from the 14th onwards. Seven stations were below 45° on the 14th, including Walpack at 41°. The first 30°s of the season were felt on the 15th, with Pequest down to 37°, Basking Ridge (Somerset) at 38°, and Walpack 39°. Basking Ridge again at 38° and Pequest at 39° led the way on the 17th, with both of these locations at 38° on the 18th.

The 22nd found Walpack down to 38° and Pequest at 41°. The 23rd had by far the coldest morning of the month. Walpack at 32° reported the first freezing temperature of the season. Pequest reached 35° and both Berkeley Township (Ocean) and Basking Ridge 36°. Some 48 NJWxNet stations dropped to 45° or lower, with Harvey Cedars the mildest in NJ at 52°. Walpack fell to 38° and Basking Ridge to 39° to complete the coolest mornings of September.

DAILY AVERAGE TEMPERATURES AND THE 30-YEAR NORMAL





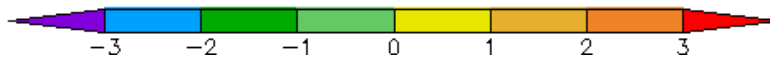
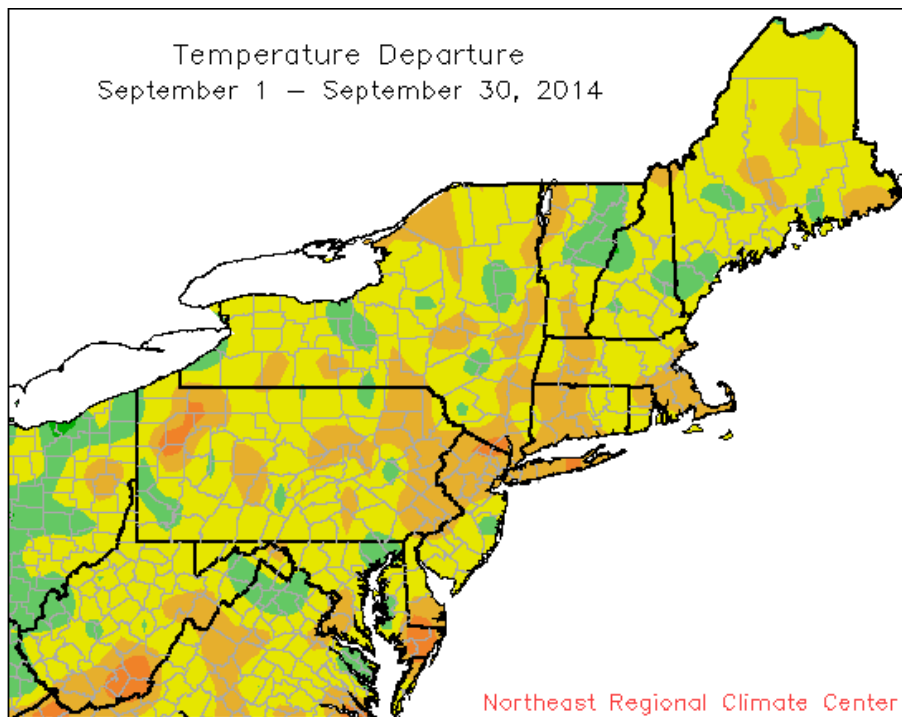
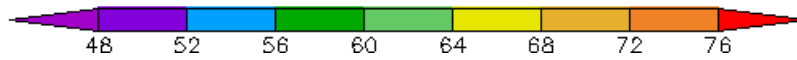
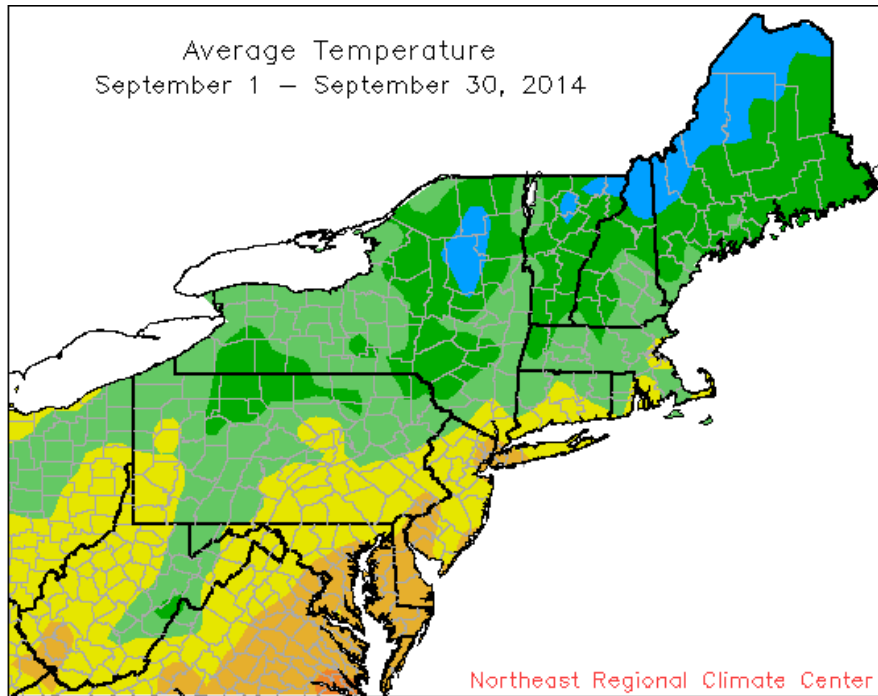
Observed daily maximum and minimum temperatures are connected by dark blue bars.

Area between normal max and min temperatures has tan shading.

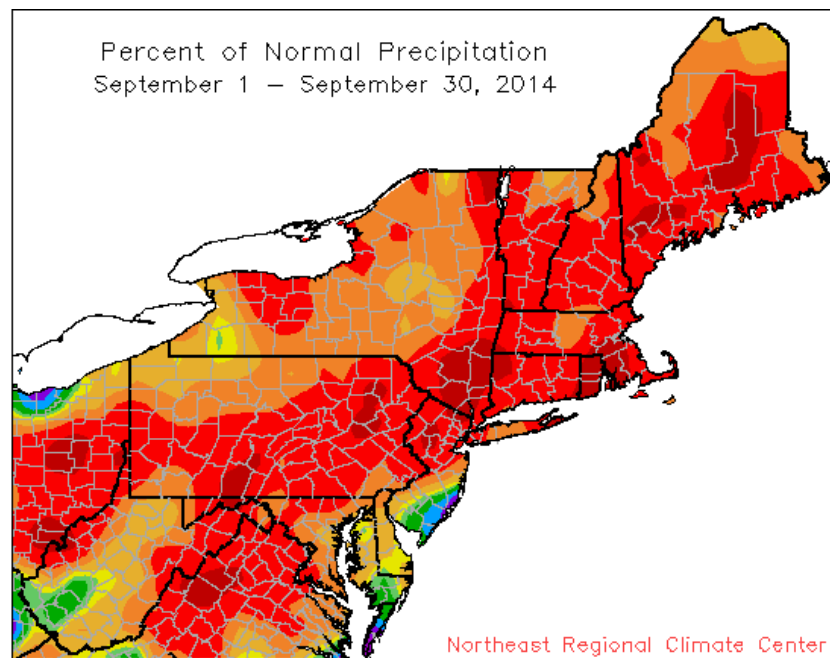
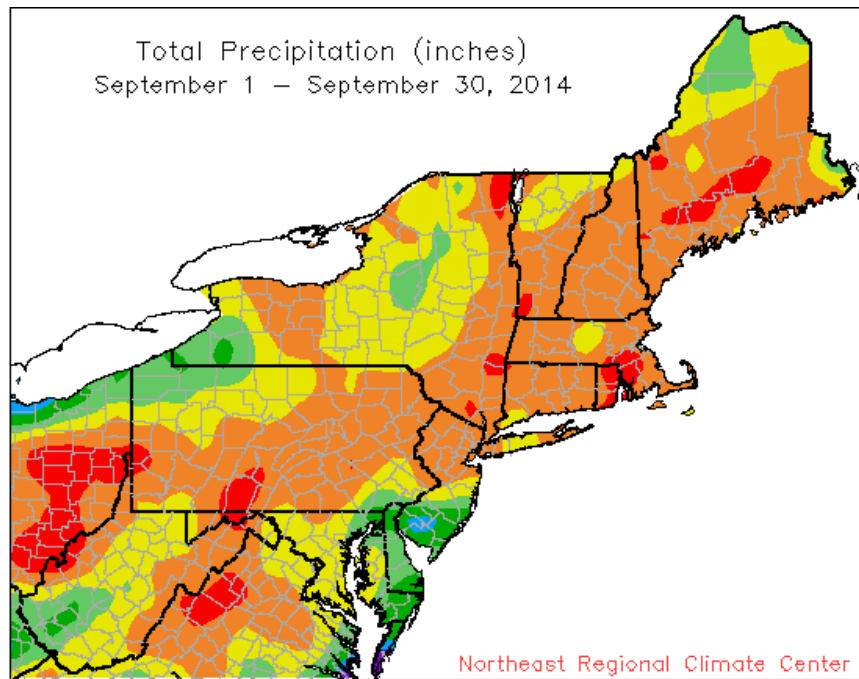
Red line connects record high temperatures.

Light blue line connects record low temperatures.

MONTHLY TEMPERATURE MAPS



MONTHLY PRECIPITATION MAPS



PRELIMINARY MONTHLY SUMMARIZED DATA SEPTEMBER 2014

STATION	TEMPERATURE (F)							PRECIPITATION (INCHES)											
	MONTHLY AVERAGES			EXTREMES		NUMBER OF DAYS				MONTHLY TOTALS			EXTREMES		SNOWFALL				
	AVG MAX	AVG MIN	MON AVG	DEPRT	MON MAX	DAY MIN	MON MAX	DAY MIN	90+	70-	65+	50-	MON TOT	DEPRT	DAYS 0.1+	DLY MAX	DAY	MON TOT	DLY MAX
-DE: NORTHERN-																			
WILMINGTON NEW CAS	77.7	59.2	68.5		91	6+	43	23	2	4	7	5	2.84		6	1.06	25		0
WILMINGTON PORTER R	76.6	59.8	68.2		92	6	47	23	2	6	9	1	3.21		5	1.10	25		0
-DIVISION-			68.3	0.7									3.03	-1.60					
-DE: SOUTHERN-																			
DOVER	79.5	60.7	70.1		92	6+	48	23+	4	2	10	3							0
-DIVISION-			70.1	1.4									3.69	-0.41					
-STATE-			69.7	1.3									3.54	-0.67					0
-MD: SOUTHEASTERN-																			
SALISBURY WICOMICO	81.4	62.3	71.8		97	2	49	23	4	1	12	1	4.38		6	2.36	6		0
SNOW HILL 4 N	82.0	59.2	70.6		96	2	45	24+	6	0	10	6	5.83		7	2.20	7		NM
SALISBURY 2N	80.8	60.3	70.6		94	2	46	24+	5	0	12	6	5.19		8	2.36	7		NM
-DIVISION-			71.0	1.6									5.13	1.05					
-MD: CENTRAL EAST-																			
ROYAL OAK 2 SSW	80.2	59.7	69.9		95	2	46	23	5	3	8	5	2.86		5	1.04	25		0
-DIVISION-			69.9	0.3									2.86	-0.99					
-MD: LOWER SOUTHE-																			
MECHANICSVILLE 5 N	76.3	58.6	67.5		90	7+	46	24+	3	7	10	4							0
ST INIGOES WEBSTER	78.8	61.7	70.3		93	2	50	23	4	3	11	1	2.87		6	1.37	7		NM
-DIVISION-			68.9	0.8									2.87	-1.57					
-MD: UPPER SOUTHE-																			
BALTIMORE WASH INT	78.3	59.0	68.7		93	6	44	23	3	4	10	3	3.21		4	1.33	25		0
BELTSVILLE	78.4	59.5	69.0		91	7+	43	23	5	5	10	4	3.19		6	1.14	7		0
DALECARLIA RSVR *	78.7	59.7	69.2		93	7+	46	23											0
LAUREL 3 W	79.5	61.9	70.7		92	6+	47	23	4	4	9	1	3.24		5	1.08	25		NM
MD SCI CTR BALTIMO	78.7	64.9	71.8		95	6	54	23	4	2	15	0	2.80		3	1.74	25		NM
NATL ARBORETUM DC	82.5	60.2	71.3		98	7	48	23	9	0	9	1	2.54		7	1.06	25		0
OXON HILL	79.7	60.8	70.3		93	7+	50	24+	4	3	11	2	1.74		3	0.62	1		0
UPPER MARLBORO 3 N	79.6	58.4	69.0		93	3	44	23	5	3	9	7	2.39		4	1.10	1		NM
-DIVISION-			70.0	1.3									2.73	-1.39					
-MD: NORTHEASTERN-																			
STEVENSVILLE	77.5	61.7	69.6		92	3	42	15	3	4	11	2	3.33		6	1.48	1		0
-DIVISION-			69.6	1.2									3.33	-1.06					
-MD: NORTHERN CEN-																			
ABERDEEN PHILLIPS	77.9	58.8	68.3		91	3	43	24+	3	3	9	5							0
BRIGHTON DAM	76.5	56.5	66.5		89	7+	43	23	0	6	5	8	2.05		6	0.77	25		0
CONOWINGO DAM	75.1	57.1	66.1		90	6	44	23+	1	10	4	6	2.38		3	1.55	24		NM
CYLBURN	74.9	58.6	66.7		90	7	47	24	1	9	5	2							NM
DAMASCUS 3 SSW	75.0	57.6	66.3		90	2	43	23	1	7	7	6	2.43		6	0.77	25		0
EMMITSBURG 2 SE	76.9	53.9	65.4		89	7	42	24	0	5	4	14	1.81		5	0.50	25		0
MILLERS 4 NE	76.5	55.9	66.2		89	6	41	23	0	4	6	8	1.50		3	0.64	25		0
-DIVISION-			66.5	-0.1									2.03	-2.28					
-MD: APPALACHIAN -																			
CUMBERLAND 2	79.4	54.2	66.8		93	6	41	24+	5	2	5	13	0.83		3	0.27	13		NM
FROSTBURG 2	72.5	50.9	61.7		85	7+	38	23	0	14	3	16	1.16		3	0.46	3		NM
SHARPSBURG 5 S	77.2	52.6	64.9		89	7+	38	24+	0	6	7	13							NM
-DIVISION-			64.5	0.2									1.00	-2.52					
-MD: ALLEGHENY PL-																			
OAKLAND 1 SE	72.6	49.3	61.0		87	6+	35	24+	0	14	3	17	2.37		7	0.63	7		0
SAVAGE RIVER DAM *	73.2	51.0	62.1		85	7+	34	18	0	95			0.95		4	0.25	3		NM
KITZMILLER 1 W	75.1	52.1	63.6		87	7	40	23	0	8	4	15							NM
-DIVISION-			62.2	1.5									1.66	-1.80					
-STATE-			67.8	0.6									2.63	-1.47					0
-NJ: NORTHERN-																			

STATION	TEMPERATURE (F)							PRECIPITATION (INCHES)											
	MONTHLY AVERAGES				EXTREMES		NUMBER OF DAYS			MONTHLY TOTALS			EXTREMES		SNOWFALL				
	AVG	AVG	MON	DEPRT	MON	MON	MAX	MIN	90+	70-	65+	50-	MON	DEPRT	DAYS	DLY	DAY	MON	DLY
MAX	MIN	AVG		MAX	MIN							TOT	0.1+		MAX		TOT	MAX	
BELVIDERE BRG *	77.3	52.0	64.8		89	3	40	24+	0	6			1.41	4		0.43	7		0
BOONTON 1 SE	78.1	54.3	66.2		92	3	42	24+	2	3	3	10	1.24	4		0.39	26		0
BOUND BROOK 2 W													1.23	4		0.31	7		0
CANISTEAR RSVR													1.37	4		0.60	1		0
CANOE BROOK	78.0	55.5	66.8		92	6+	44	24+	2	4	4	11	1.45	5		0.53	17	NM	
CHARLOTTEBURG RSVR	76.6	52.8	64.7		89	7	42	23+	0	8	4	13	0.98	4		0.32	7		0
CRANFORD	78.0	58.9	68.5		92	3	45	25+	3	5	8	4	1.40	5		0.48	16		0
FLEMINGTON 5 NNW	78.5	54.0	66.2		92	3	41	23	3	4	4	13	1.38	6		0.30	16		0
HARRISON *	78.3	59.9	69.1		94	3	47	23										NM	
LAMBERTVILLE													1.54	5		0.48	14		0
NEWARK INTL AP	78.7	60.9	69.8		95	6+	50	23	3	3	10	1	1.52	5		0.53	16		0
OAK RIDGE RSVR													0.84	4		0.30	16		0
PHILLIPSBURG EASTO	77.9	54.2	66.0		91	7	44	22	5	5	4	13	1.58	3		0.77	1		0
POTTERSVILLE 2 NNW	74.5	56.3	65.4		86	3	45	23	0	10	4	7	1.59	5		0.42	1		0
SUSSEX 2 NW *	75.0	51.2	63.1		89	7	43	23+											0
WAYNE	77.7	57.0	67.3		92	7+	45	24+	3	6	4	8	1.25	5		0.42	17		0
WERTSVILLE 4 NE	77.8	54.1	66.0		91	3	41	23	2	5	4	12	1.17	5		0.34	7		0
RIEGELSVILLE													1.86	5		0.71	7		0
TOCKS ISLAND	74.9	54.3	64.6		88	7+	42	23	0	9	3	11						NM	
-DIVISION-			66.3	1.8									1.36	-3.13					
-NJ: SOUTHERN-																			
ATLANTIC CITY INTL	77.6	58.0	67.8		92	2	41	23	2	3	7	6	3.52	7		2.13	25		0
ESTELL MANOR	77.2	56.2	66.7		90	7+	41	23	2	4	4	7	4.52	5		2.00	25		0
FREEHOLD MARLBORO	78.3	55.9	67.1		94	7+	42	23	5	7	5	9	2.13	5		1.02	7		0
HAMMONTON 1 NE	77.8	57.4	67.6		92	7+	43	24+	4	5	4	8	5.26	6		1.92	2		0
HIGHTSTOWN 2 W	78.7	52.3	65.5		94	7	39	23	6	3	3	14	1.84	5		0.68	7		0
INDIAN MILLS *	76.3	54.3	65.3		90	6	40	23					5.06	7		2.47	1		0
MAYS LANDING 1 W													4.61	6		2.20	25		0
MILLVILLE MUNI AP*	77.5	57.2	67.4		92	6+	40	23					3.06	3		1.77	25	NM	
NEW BRUNSWICK 3 SE	79.6	55.9	67.8		94	7	42	23	5	3	5	8	1.23	5		0.46	7		0
SEABROOK FARMS	78.2	59.1	68.6		93	1	45	23	3	3	9	4	5.28	7		1.92	25		0
SOMERDALE 4 SW	77.4	57.8	67.6		92	7+	45	23	3	6	7	8	2.94	6		0.88	25		0
ATSION	76.9	56.1	66.5		90	7	41	23	1	8	4	8	5.32	6		2.50	1		0
TRENTON MERCER CO	77.8	57.2	67.5		91	6+	43	23	2	4	5	7	1.05	4		0.34	25	NM	
PHILADELPHIA MT HO	75.9	56.8	66.3		89	7	44	23	0	7	4	6	2.16	5		0.60	25		0
-DIVISION-			67.1	0.4									3.34	-0.53					
-NJ: COASTAL-																			
ATLANTIC CITY *	73.9	64.9	69.4		90	2	53	23											0
BRANT BEACH HVN													5.66	7		2.00	25		0
CAPE MAY 2 NW	78.2	61.1	69.7		93	6+	47	23	2	3	9	2	3.44	9		1.72	25		0
LONG BRANCH OAKHUR	75.7	58.9	67.3		92	6	46	23+	2	7	7	3	2.43	6		0.65	6		0
-DIVISION-			68.8	0.4									2.94	-0.40					
-STATE-			66.9	0.9									2.58	-1.47					0

*= One to four days of missing temperature data + = This value also occurred on one or more previous dates this month.

All means are for the years 1981-2010. NM = Snowfall is not measured.

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

PRELIMINARY MONTHLY DEGREE DATA SEPTEMBER 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	38		38		149		1055		561		3353	
WILMINGTON PORTER RS	33		33		136				553			
-DE: SOUTHERN-												
DOVER	18		18		177				609		3544	
-MD: SOUTHEASTERN SHORE-												
SALISBURY WICOMICO	6		6		220		1342		664		3802	
SNOW HILL 4 N	18		18		193				625		3639	
SALISBURY 2N	13		13		190				627			
-MD: CENTRAL EASTERN SHORE-												
ROYAL OAK 2 SSW	19		19		175		1211		606		3639	
-MD: LOWER SOUTHERN-												
MECHANICSVILLE 5 NE	53		54		136				533			
ST INIGOES WEBSTER	10				175				615			
-MD: UPPER SOUTHERN-												
BALTIMORE WASH INTL	37		37		155		1072		568		3394	
BELTSVILLE	33		35		158		1060		575		3380	
LAUREL 3 W	14		14		193				629			
MD SCI CTR BALTIMOR	5		5		217		1435		662		3902	
NATL ARBORETUM DC	10		10		206				646			
OXON HILL	14		14		180		1176		616		3596	
UPPER MARLBORO 3 NN	37		38		165		1107		578		3437	
-MD: NORTHEASTERN SHORE-												
STEVENSVILLE	27		27		174				597			
-MD: NORTHERN CENTRAL-												
ABERDEEN PHILLIPS F	45		45		154		989		559		3259	
BRIGHTON DAM	58		62		112				504			
CONOWINGO DAM	62		62		103		741		491		2901	
CYLBURN	55		58		112				507			
DAMASCUS 3 SSW	60				108				498			
EMMITSBURG 2 SE	79		88		102		732		473		2901	
MILLERS 4 NE	63		73		104		727		491		2930	
-MD: APPALACHIAN MOUNTAIN-												
CUMBERLAND 2	61		65		123				512			
FROSTBURG 2	144		228		56				362			
SHARPSBURG 5 S	99		113		102				453			
-MD: ALLEGHENY PLATEAU-												
OAKLAND 1 SE	165		277		53				342		2168	
KITZMILLER 1 W	108		143		75				417			
-NJ: NORTHERN-												
BOONTON 1 SE	64		65		110				496			
CANOE BROOK	64		64		122				508			
CHARLOTTEBURG RSVR	90				87				447			

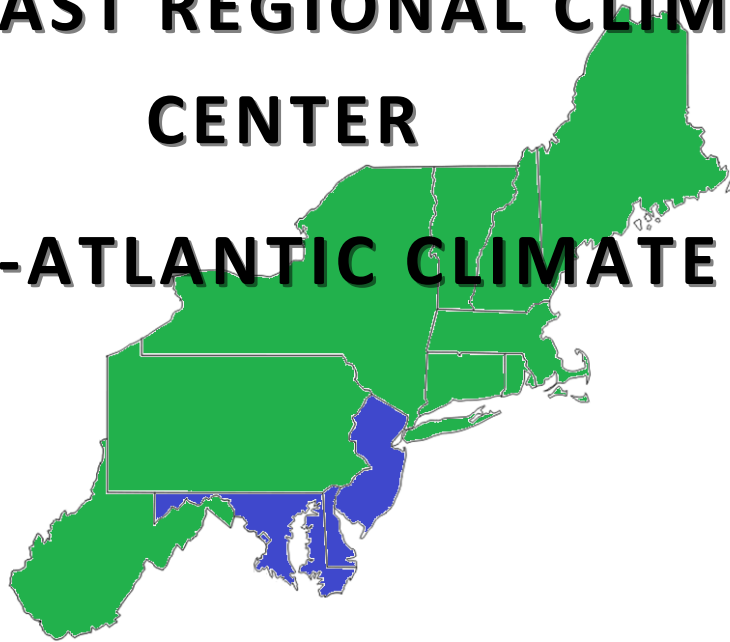
STATION	HEATING DEGREE DAYS (BASE 65)				COOLING DEGREE DAYS (BASE 65)				GROWING DEGREE DAYS (BASE 50)			
	MONTH	MONTH	SEASON	SEASON	MONTH	MONTH	SEASON	SEASON	MONTH	MONTH	SEASON	SEASON
CRANFORD	43		43		153		1035		560		3298	
FLEMINGTON 5 NNW	77		83		119		780		492		2917	
NEWARK INTL AP	19		19		169		1154		600		3477	
PHILLIPSBURG EASTON	80				118				488			
POTTERSVILLE 2 NNW	72		76		93		922		471		3094	
WAYNE	53		53		131				528			
WERTSVILLE 4 NE	78		82		113				485			
TOCKS ISLAND	92		103		86		590		444		2674	
-NJ: SOUTHERN-												
ATLANTIC CITY INTL	38		38		130		842		542		3057	
ESTELL MANOR	61		61		118		785		507		2985	
FREEHOLD MARLBORO	60		60		128				518			
HAMMONTON 1 NE	51		51		137		939		536		3171	
HIGHTSTOWN 2 W	80				102				472			
NEW BRUNSWICK 3 SE	60		62		148		903		538		3099	
SEABROOK FARMS	35		35		153		1090		568		3384	
SOMERDALE 4 SW	56		56		140		1090		534		3396	
ATSION	68		71		123				505			
TRENTON MERCER CO A	48		48		133		916		535		3155	
PHILADELPHIA MT HOL	63		64		111		779		498		2997	
-NJ: COASTAL-												
CAPE MAY 2 NW	18		18		166		982		598		3258	
LONG BRANCH OAKHURS	48		48		124				526		2874	

The heating season begins July 1 and ends June 30. The cooling season begins January 1 and ends December 31.

The growing season begins March 1 and ends October 31. All departures are calculated from the 1981 - 2010 mean.

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

NORTHEAST REGIONAL CLIMATE CENTER MID-ATLANTIC CLIMATE



**Northeast
Regional
Climate
Center**

1123 Bradfield Hall
Cornell University
Ithaca, NY 14853-1901

