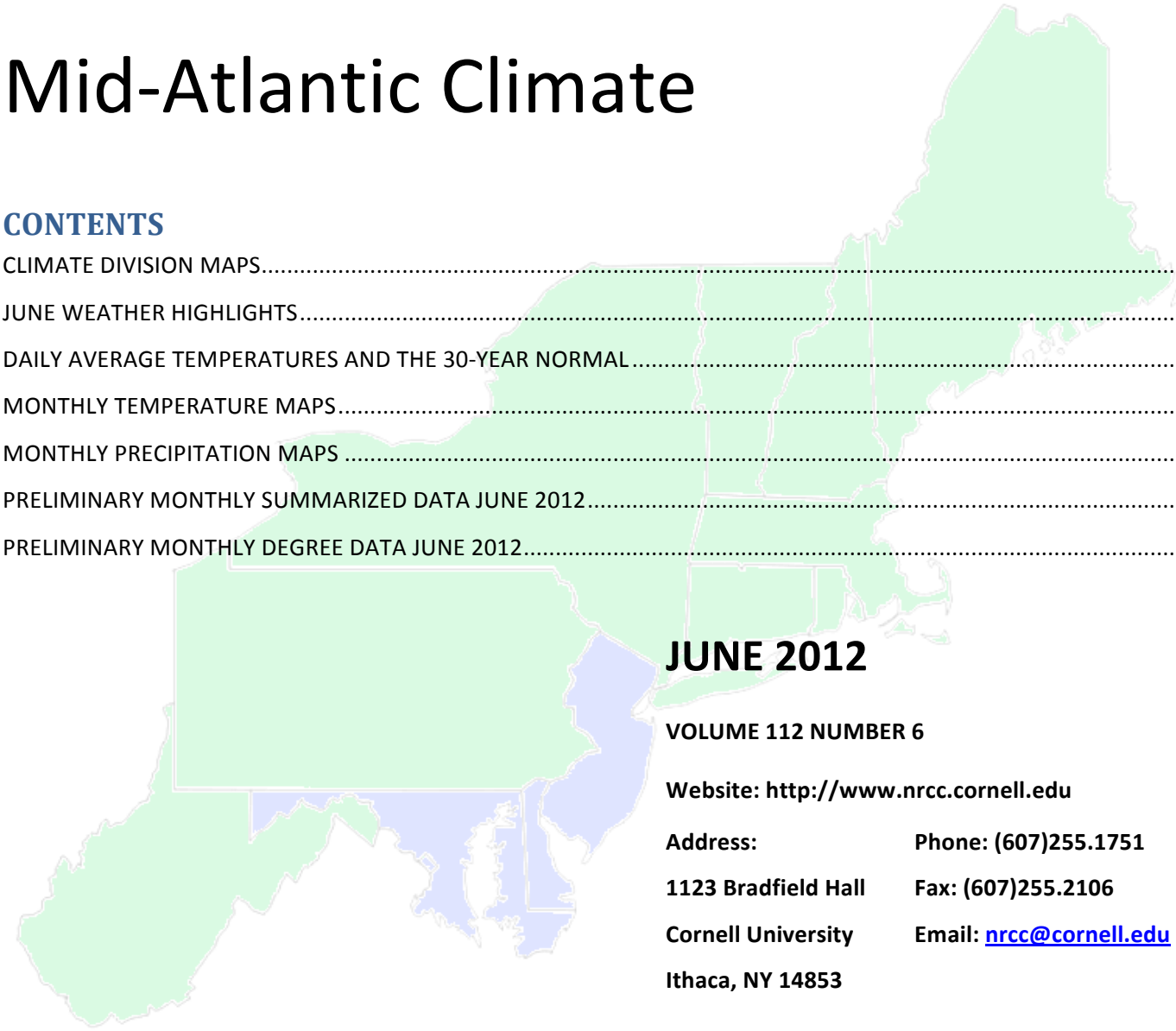
Northeast Regional Climate Center

Mid-Atlantic Climate

CONTENTS



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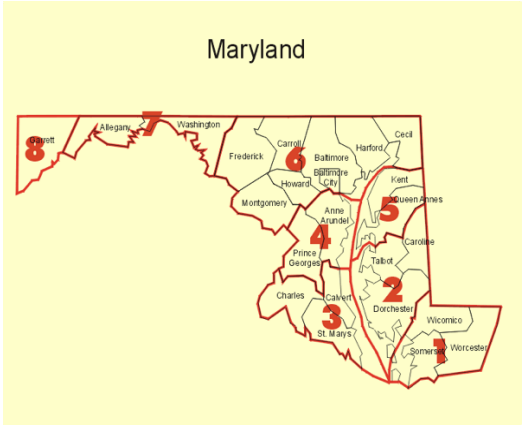
CLIMATE DIVISION MAPS

New Jersey Climate Divisions

1 Northern
2 Southern
3 Coastal

Delaware Climate Divisions

1 Northern
2 Southern



Maryland Climate Divisions

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

JUNE WEATHER HIGHLIGHTS

With an average temperature that was 0.2 degrees below normal, June 2012 was the first cooler-than-normal month in the Mid-Atlantic since February 2011. June's average of 70.9 degrees was 2.4 degrees cooler than June 2011 and it was the coolest June since 2009. Maryland was the key player in the region's temperature swing - it's average of 71.1 degrees was 0.4 degrees below normal. Delaware and New Jersey ended up with monthly averages that were slightly above normal: +0.3 degrees in Delaware and +0.1 degree in New Jersey. A warm spell during the last few days of June sent the mercury into triple digits at quite a few locations. Once again, the hot spot was the Maryland Science Center in Baltimore where a high of 106 degrees was reached on the 29th. The low of 41 degrees was recorded at Sines Deep Creek, MD on the 26th and 27th.

The region averaged 3.76 inches of precipitation in June, which was 96% of normal. It was the sixth month in a row to average drier than normal. June's total was 1.06 inches more than June 2011 and it was the wettest June since 2009. Delaware's rainfall total was 81% of normal and Maryland's, 91% of the 30-year average. With 52% of the normal June rainfall amount, the Central Eastern climate division in Maryland had its 16th driest June in 118 years. At 107% of normal, New Jersey was the wet state in the region. New Jersey's Coastal division (212%) saw its 2nd wettest June since 1895. Brant Beach, located in the Coastal climate division, won top honors for wettest station in June 2012. Their monthly total was 9.89 inches.

According to the June 26, 2012 U.S. Drought Monitor, moderate drought (D1) conditions included the counties surrounding the Chesapeake Bay in Maryland and the southern two-thirds of Delaware. There was a small area of severe drought (D2) in south central Delaware.

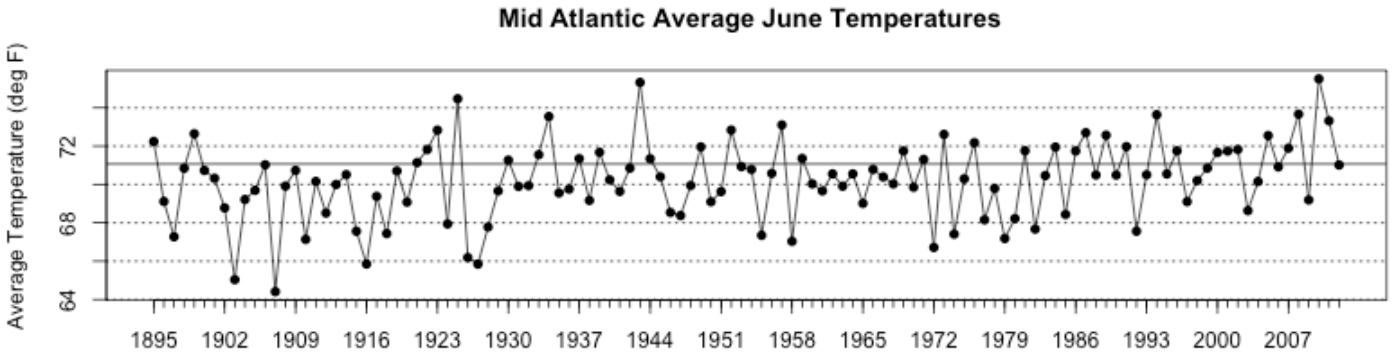
A fast moving and long-lasting line of severe thunderstorms known as a derecho left a path of destruction from Illinois to the mid-Atlantic region on the 29th. Wind gusts as high as 70 mph caused extensive damage to trees and power lines, cutting power to millions just before the start of July 4th holiday celebrations and vacations. Due to the vast amount of damage, complete power restoration was expected to take up to a week, with additional crews coming in from as far away as Canada. Food was spoiled, businesses lost revenue and health concerns mounted as temperatures remained above normal. At least 6 people – three in New Jersey, two in Maryland and one in Washington, DC - lost their lives during the storm and several injuries were reported.

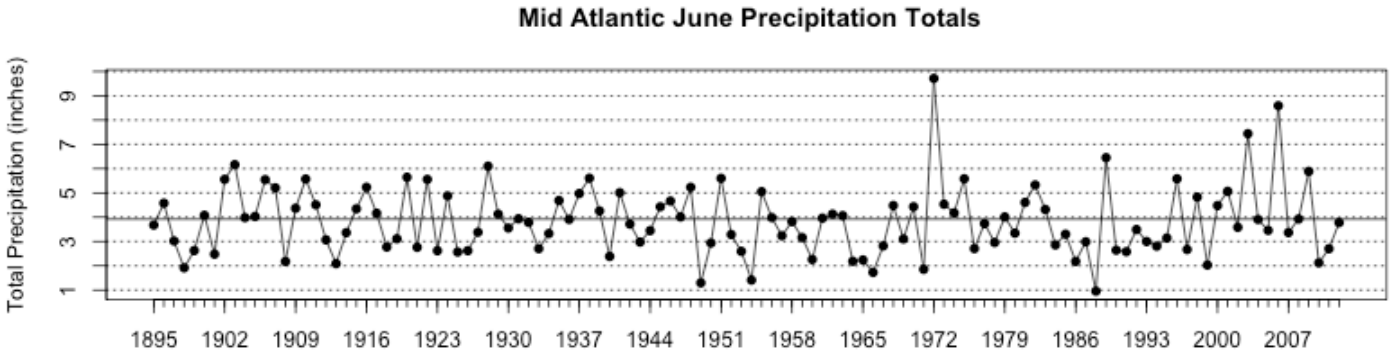
Daily Maximum Temperature Records (°F)

Station	Date	New	Previous
Wilmington, DE	20	97	97 in 1895
Atlantic City, NJ	20	95	95 in 2010
Newark, NJ	20	98	97 in 1953
Wilmington, DE	21	98	97 in 1923
Washington National, DC	21	99	98 in 1988
Baltimore, MD	21	100	100 in 1923
Washington Dulles, DC	29	102	95 in 1991
Washington National, DC	29	104	101 in 1934

Daily Precipitation Records (inches)

Station	Date	New	Previous
Atlantic City, NJ	12	2.53	1.84 in 1975





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

A Mixed Bag: June 2012
and a Warm Mid-Year Summary

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

June Overview

June 2012 across New Jersey had just about everything in the early summer weather package. Searing heat, "top-ten" beautiful days, a dismal day, severe thunderstorms, and extended dry episodes. Summed and averaged, this resulted in a rather "normal" month in terms of statewide temperature and precipitation.

As this narrative is written early in July, it remains uncertain whether the statewide average June temperature will ultimately be determined to be exactly average (compared to Junes from 1981-2010) or may be slightly above or below average. Early each month, our preliminary estimates of average temperature and precipitation are based on an incomplete set of National Weather Service Cooperative Weather Station observations. Most of the volunteer Coop observers transmit their observations daily via electronic means. However some still hand record each day and mail a monthly form to the NWS at the end of each month. Thus final values tend to vary from our early estimates by a few tenths of a degree or a tenth or two of an inch of precipitation. These days, it seems as if the late reporters are from locations that tend to increase the preliminary average a bit, while precipitation can change in either direction. Thus, while the current estimate of the June 2012 temperature is 70.1°, which is exactly the 1981-2010 average, it just may climb to a tenth or two above average when all "returns" are in. However, whether June will be New Jersey's 17th consecutive above-average month or the streak will end at 16 remains uncertain.

Whether the streak is over or not, we did some "digging" recently and discovered that prior to this streak the longest above-average temperature run was eleven months (records date back to 1895). This occurred from October 1990-August 1991. Two streaks lasted eight months, January-August 2006 and March-October 2010 (yes, the latter run ending just four months before the most recent streak began!). Thirteen of fourteen months between January 2005 and August 2006 were also above the 1981-2010 average.

For those thinking cold, the longest streak of below-average monthly temperatures across NJ (again, based on 1981-2010 averages) was nineteen months, extending from
July 1925-January 1927. Only five months separated this from a twelve-month run from February 1924-January 1925. An eighteen month below-average streak covered February 1916-July 1917.

The first three weeks of June were on the cool side, with only one day seeing maximum temperatures exceed 90° in several locations. The last ten days of the month was a different story, as 90° or higher was reached somewhere on seven afternoons. On fifteen mornings, low temperatures dipped into the 40s at one or more locations. The first of six of these mornings where the temperature was between 40°-45° was the 3rd, with Pequest (Warren County) at 43° and Walpack (Sussex) at 44°. The 4th saw High Point Monument (Sussex) at 45°. Pequest fell to 42° on the 5th, with 31 of the 50 stations polled around NJ between 43° and 49°. Harvey Cedars (Ocean) at 55° was the warmest location. The 6th was the coolest morning of the month, with Berkeley Township (Ocean) down to 40°, Oswego Lake (Burlington) at 41°, and 34 stations between 42°-49°. Mildest was Atlantic City Marina (Atlantic) at 58°. Woodbine (Cape May) in far south NJ was coolest at 45° on the 18th, while the normally cool spots of Pequest and Walpack in the northwest were at 44° and 45°, respectively, on the 27th.

On the hot side, the 10th brought NJ its first 90° weather of the month. Sicklerville came in at 94°, with a dozen other stations between 90°-93°. The first heat wave of the season (three or more consecutive days above 90°) began at some locations around the

state on the 20th. Toms River (Ocean), Haworth (Bergen), and Mansfield (Burlington) reached 98°. The 21st just edged out the 29th as the hottest day of the month. Toms River, Red Lion (Burlington), and Oswego Lake reached 99°, with 24 stations between 95°-98°. High Point Monument was "coolest" at 87°. The 22nd saw Red Lion reach 98°, with Piney Hollow (Gloucester) and Sicklerville (Camden) both at 96°.

A second heat wave commenced on the 27th and extended into early July. It began with Cherry Hill (Camden) at 93° and Berkeley Township (Ocean) at 92°. The 28th saw Cherry Hill up to 98°, and Berkeley Township and South Harrison (Gloucester) at 97°. Mansfield reached 99° on the 29th, with Red Lion and Toms River at 98°. 23 stations maxed out between 95°-97°, with West Cape May (Cape May) and High Point Monument coolest, both at 87°. Finally, eight stations topped out at 96° on the 30th.

With all the local variations, precipitation across NJ averaged 4.69" in June 2012. This is 0.67" above the 1981-2010 average and ranks as the 28th wettest of the past 118 Junes. The coastal counties of Monmouth, Ocean, and Atlantic were the wettest area of NJ in June. On the high end, two locations in Stafford Township (Ocean) totaled 13.18" and 10.90". Nearby Little Egg Harbor Township (Ocean) received 9.20" and Lavallette (Ocean) 7.80". Brick Township (Ocean) saw 7.67" and 7.03" at two locations and Pittsgrove (Salem) received 7.25".

Much drier conditions were experienced not too far to the west of this area where the western Burlington County region saw well below-average rainfall. Two locations in Mt. Laurel received 2.30" and 2.31", Southampton and Medford Township had 2.34", Moorestown saw 2.49", and Burlington 2.56".

June started off on the wet side, with ample rains at some locations on four occasions during the first week. Late on the 1st into the morning of the 2nd saw heavy rain in northwest areas and along the northern coast. Brick Township (Monmouth) stations caught 2.50" and 2.29", Randolph Township (Morris) 2.32", and Peapack-Gladstone (Somerset) 2.30". On the 3rd thunderstorms deposited a band of generally less than 0.50" from Hunterdon southeast to Monmouth counties. Holmdel (Monmouth) took top honors with 1.37", with Freehold (Monmouth) at 1.22". Hail fell in Hunterdon County that was reported to be up to a half inch in diameter. The 7th saw a zone from the shoreline to about 20 miles inland catch as much as 1.10" in Linwood (Atlantic) and 0.91" at Berkeley Township (Ocean) in thunderstorms. Little rain fell elsewhere in NJ.

An event from midday on the 12th into the early hours of the 13th brought a soaking rain throughout NJ. An intense band of heavy rain brought portions of Salem, Cumberland, and Atlantic counties the greatest totals. This included 5.43" and 4.15" in Upper Deerfield (Cumberland), 4.63" at Pittsgrove (Salem), 3.23" in Hamilton (Atlantic), and 3.15" and 2.60" in two Estell Manor (Atlantic) locations. Elsewhere, eight CoCoRaHS stations had between 2.05"-2.59" and 112 between 1.00"-1.97". Each of the 195 reporting CoCoRaHS stations received at least 0.40".

Dry conditions prevailed from the 14th-21st. This ended with a local flare on the afternoon of the 22nd when an intense thunderstorm cell parked itself over Stafford Township (Ocean) and adjacent communities. Within several hours, two Stafford stations received 7.60" and 5.77" and Little Egg Harbor 3.14", with water rescues required for occupants of several vehicles stuck in flood waters. Hail of up to 0.75" diameter accompanied this storm. Elsewhere, a small cell brought 3.11" to Pemberton (Burlington), with up to 0.25" diameter hail. Five other locations around NJ received 2.06"-2.21", with only southern Warren and western Hunterdon going essentially rain free. Winds gusted to 56 mph in Seaside Heights (Ocean) and 48 mph in Upper Deerfield (Cumberland).

The morning of the 25th saw severe thunderstorms cross portions of central NJ, from southern Somerset to northern Middlesex counties and then midday in Monmouth and Ocean counties. 2.10" fell in Asbury Park (Monmouth), 1.66" at Ocean Township (Monmouth), and 1.62" in Woodbridge (Middlesex). Harvey Cedars saw a gust to 45 mph, while 0.25" hail was reported in Linwood (Atlantic) and East Brunswick (Middlesex). Again, it was morning storms on the 29th that brought several tenths of an inch of rain to portions across south Jersey and wind gusts to 62 mph near Tuckerton (Ocean), 49 mph at Harvey Cedars, and 48 mph in Clayton (Gloucester).

Shortly after midnight on the 30th a ferocious storm plowed across southern NJ. With it came widespread wind gusts exceeding 60 mph that topped trees and power lines. Tragically, two children were killed by a falling tree while camping at Parvin State Park (Salem). The power grid was torn apart in wide portions of Salem, Cumberland, and Atlantic counties, with impacts also felt in Gloucester and Cape May counties. This was the northern end of a derecho that developed near Chicago midday on the 29th and raced at 50-60 mph across the eastern Midwest, over the Appalachians, into the Mid-Atlantic states, and off shore in less than 15 hours. The derecho squall line extended from NJ well south into Virginia as it crossed NJ from about midnight to 1:30 AM on the 30th. A derecho is an exceptionally strong squall line of thunderstorms with very strong winds, heavy rain, and intense lightning, with some embedded areas of hail and a few tornadoes. It has a rapid forward speed and remains severe for many hours. The worst of the overnight storm lasted about 10 minutes, but that was more than enough time for the straight line winds to cause tremendous damage, though there were no tornadoes reported in NJ. While rare, they heretofore were not unheard of in NJ. Rainfall with this event was heavy but relatively short lived. Upper Deerfield (Cumberland) received 1.48" and West Creek (Ocean) 1.46". Winds gusted to 81 mph in Tuckerton, 74 mph in Absecon (Atlantic), 67 mph in Bivalve (Cumberland), 66 mph at Atlantic City Marina (Atlantic), 64 mph in Mullica (Atlantic), and 62 mph in Upper Deerfield. Hail up to 0.75"-1.25" in diameter was reported in Absecon, Tuckerton, and Egg Harbor Township (Atlantic).

In addition to the four days mentioned above with wind gusts exceeding 40 mph at a NJ observation site, four other days reached that mark. This includes 42 mph at Atlantic City Marina on the 1st, 42 mph and 40 mph, respectively, at Harvey Cedars and Seaside Heights on the 3rd, and 40 mph and 41 mph at High Point Monument (Sussex) on the 26th and 27th, respectively. The highest barometric pressure of the month was on the 16th, when observations in the mid 30.30"s were common. The 4th saw the lowest pressures in the upper 29.50"s range.

First Half of 2012 Overview

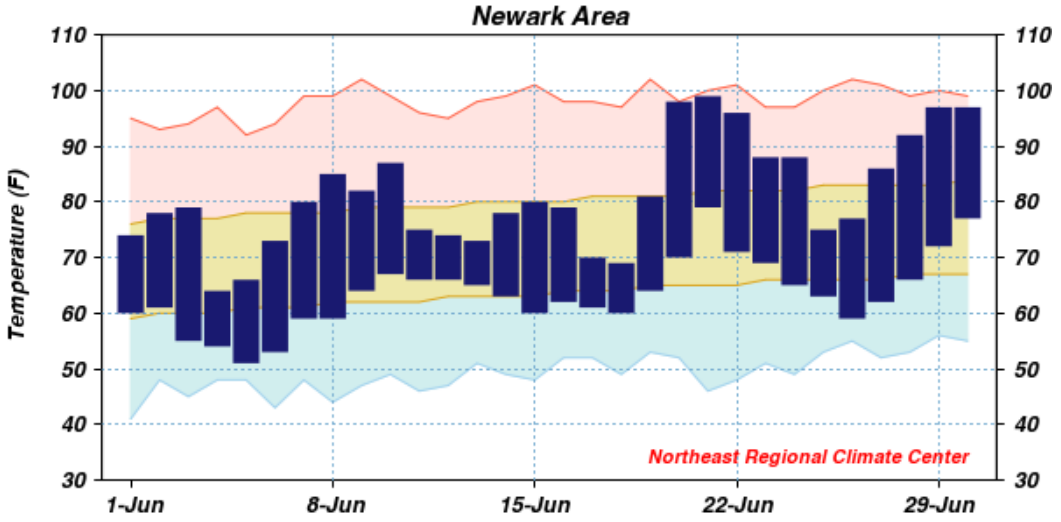
The first half of 2012 goes into the record book as the warmest on record for the Garden State (Table 1). The average temperature of 52.0° was 4.0° above the 1981-2010 average.

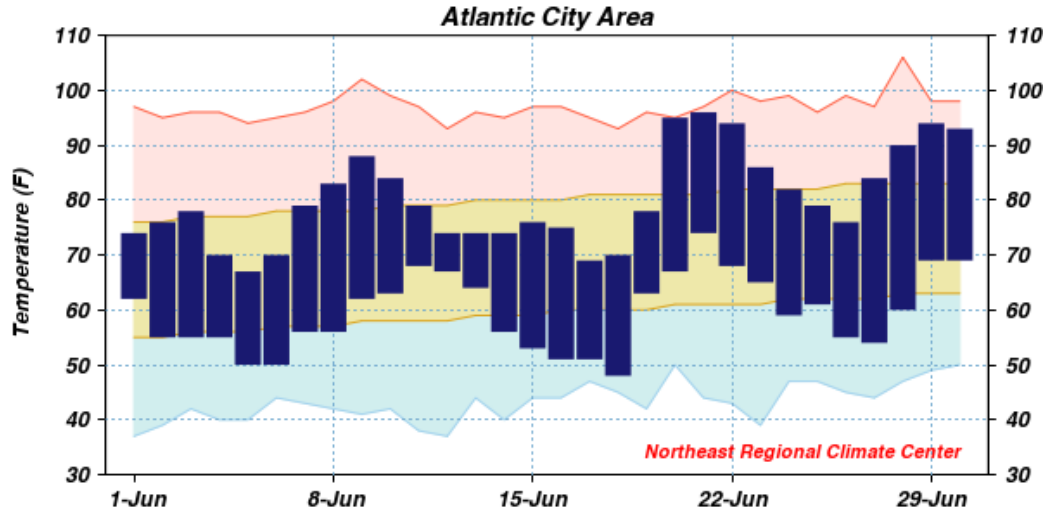
Rank	Year	Jan-Jun Avg. Temp.
1	**2012**	**52.0°**
2	1998	51.4°
3	2002	50.7°
4	1991	50.5°
5	2010	50.4°
6	1949	50.3°
7	2006	50.1°
8	1921	50.0°
9	1990	49.9°
10	1953	49.7°

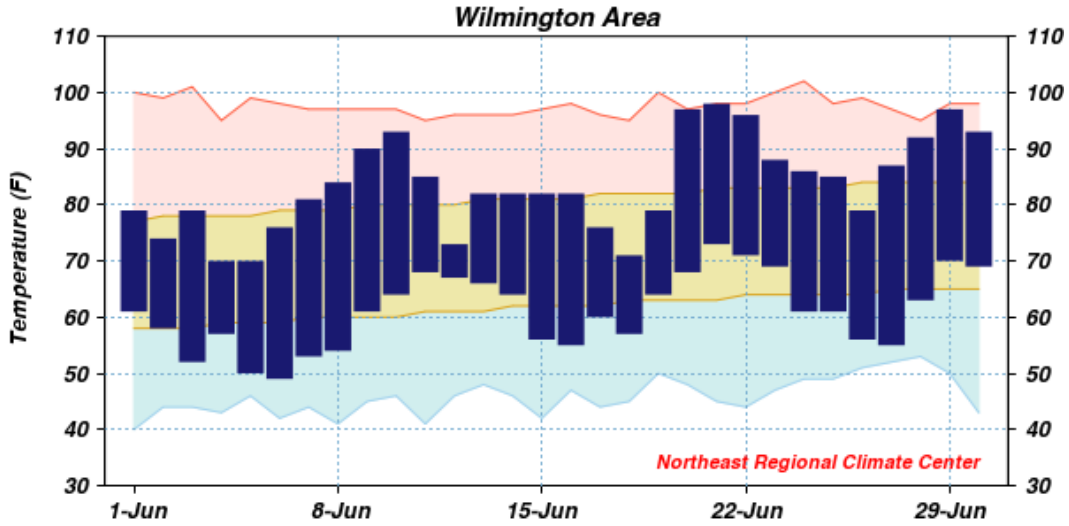
Table 1. The ten warmest January - June intervals across New Jersey since 1895.

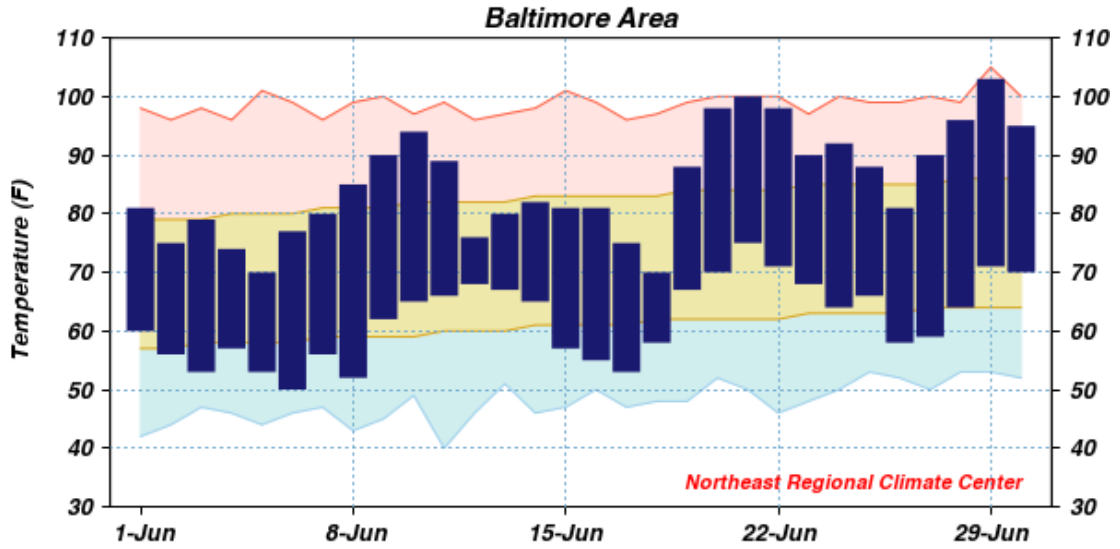
Precipitation for the first six months of 2012 averaged 17.82" across NJ. This is 4.83" below average and ranks as the 16th driest on record. Locations within the northern half of the state totaled approximately 16"-18", which is 4"-7" below average. The coastal southern counties saw 17"-20", or about 2"-4" below average. One of the largest totals is 23.06" in Little Egg Harbor (Ocean). The western counties in southern NJ were driest from January-June. Their 14"-16" is about 5"-7" below average. A lower total is 14.61" in Monroe Township (Gloucester).

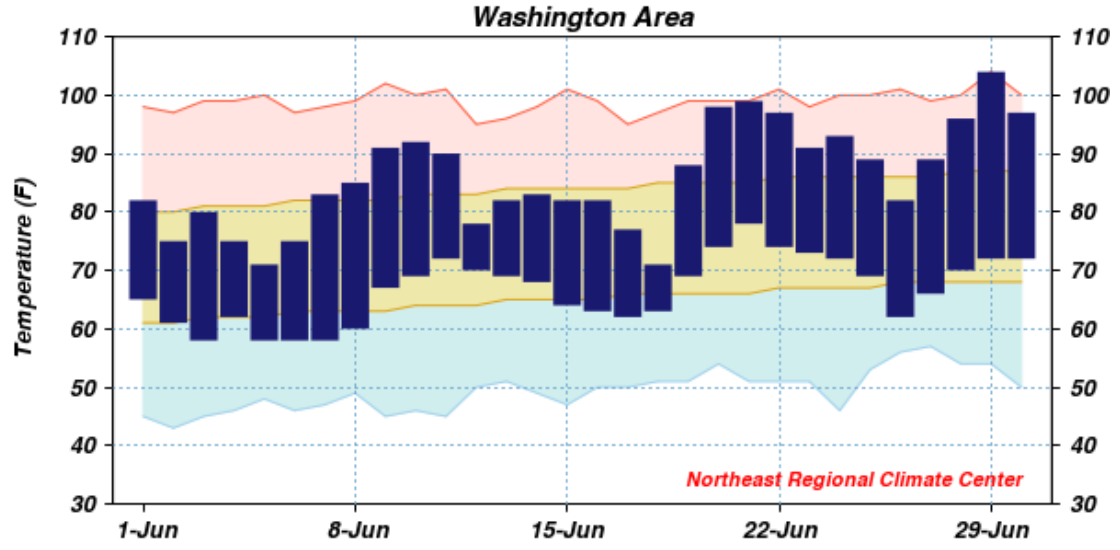
DAILY AVERAGE TEMPERATURES AND THE 30-YEAR NORMAL

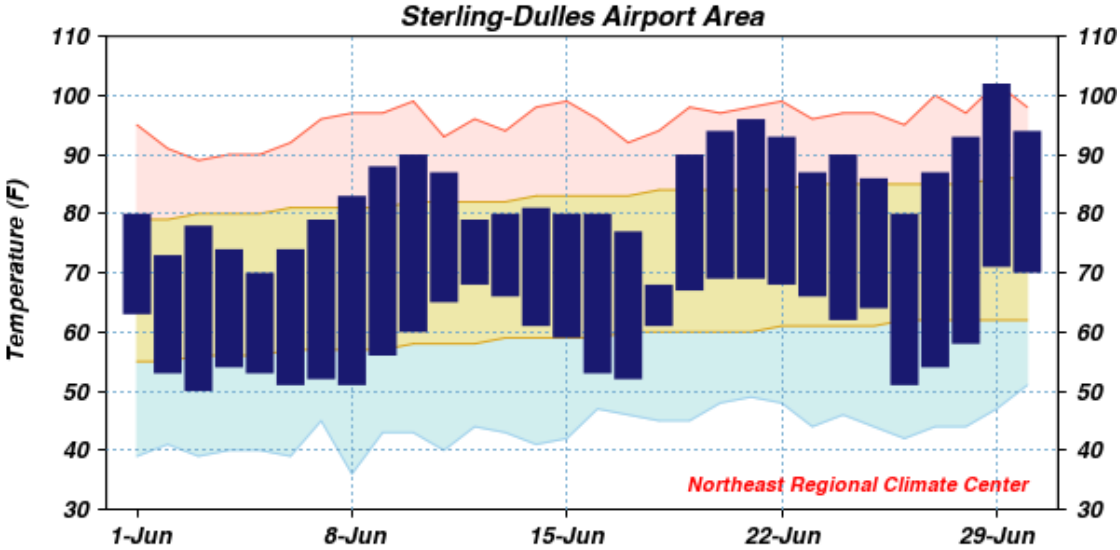






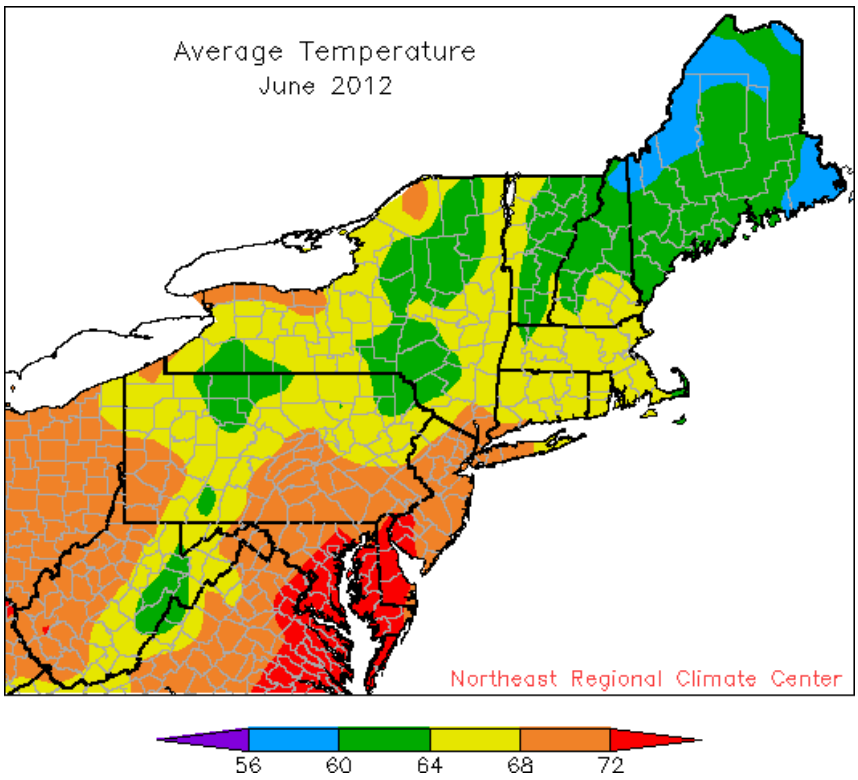


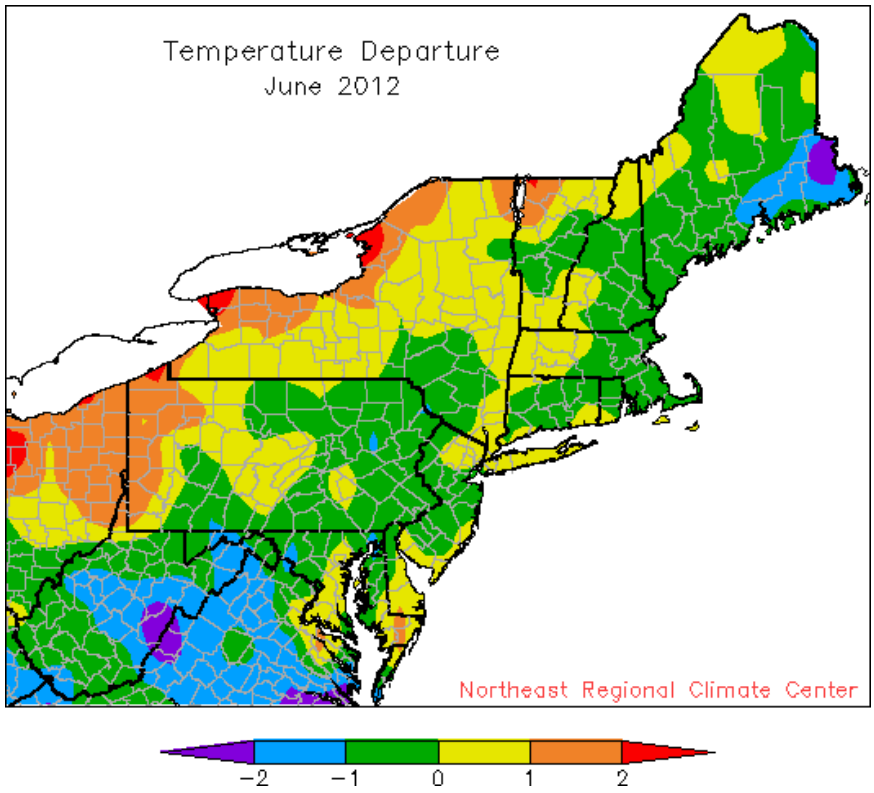




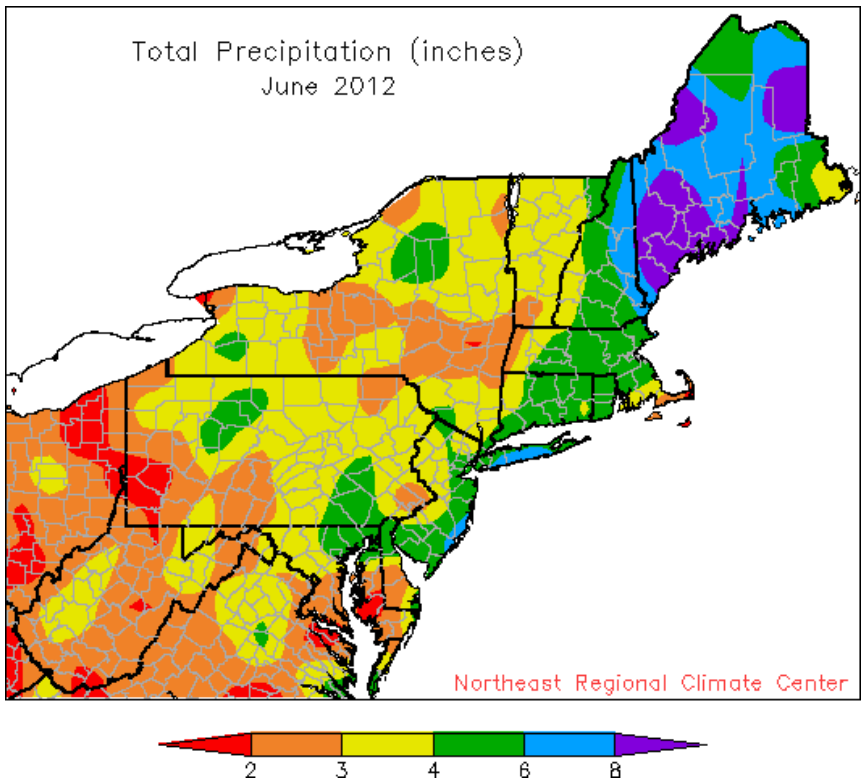
Area between normal max and min temperatures has tan shading.
Red line connects record high temperatures.
Light blue line connects record low temperatures.

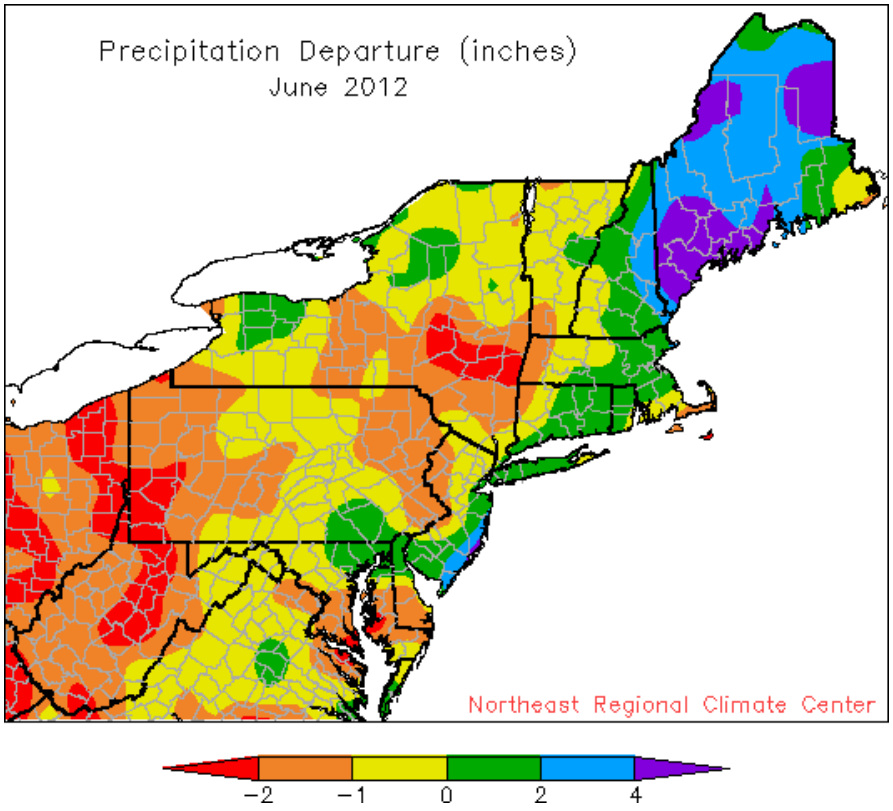
MONTHLY TEMPERATURE MAPS





MONTHLY PRECIPITATION MAPS





PRELIMINARY MONTHLY SUMMARIZED DATA JUNE 2012

STATION	TEMPERATURE (F)												PRECIPITATION (INCHES)						
	MONTHLY AVERAGES				EXTREMES				NUMBER OF DAYS				MONTHLY TOTALS			EXTREMES		SNOWFALL	
	AVG MAX	AVG MIN	MON AVG	DEPRT	MON MAX	DAY	MON MIN	DAY	MAX 90+	MAX 70-	MIN 65+	MIN 50-	MON TOT	DEPRT	DAYS 0.1+	DLY MAX	DAY	MON TOT	DLY MAX DAY
-DE: NORTHERN-																			
BEAR 2 SW	82.3	59.3	70.8	-0.7	95	29+	47	6	7	2	11	2	7.24	3.31	5	4.04	12	0	
WILMINGTON NEW CAS	83.5	61.1	72.3	0.1	98	21	49	6	8	2	9	2	3.64	-0.24	7	1.48	12	0	
WILMNGTON PORTER R	81.1	62.1	71.6	-0.1	95	29	50	5	6	4	12	1	4.02	-0.17	6	2.39	12	0	
-DIVISION-			71.6	-0.4									4.97	0.94					
-DE: SOUTHERN-																			
DOVER	82.9	63.2	73.0	-0.3	98	28	50	6	7	2	14	1						NM	
-DIVISION-			73.0	0.5										-1.21					
-STATE-			72.7	0.3									3.12	-0.74				0	
-MD: SOUTHEASTERN-																			
SALISBURY WICOMICO	85.4	61.9	73.7	1.7	101	29	49	18+	12	0	13	2	3.52	-0.19	5	1.43	25	0	
SALISBURY 2N	84.2	61.5	72.9		99	29	48	18	9	0	11	2	2.89		6	0.93	19	NM	
-DIVISION-			73.3	0.7									3.21	-0.41					
-MD: CENTRAL EAST-																			
ROYAL OAK 2 SSW	84.2	63.7	73.9	-0.6	101	29	55	18+	9	0	14	0	2.07	-1.79	3	0.75	6	NM	
-DIVISION-			73.9	-0.0									2.07	-1.90					
-MD: LOWER SOUTHE-																			
MECHANICSVILLE 5 N	81.6	59.0	70.3	-1.0	99	30	53	19+	6	3	4	0	2.42	-1.65	4	0.68	2	NM	
SOLOMONS	82.3	67.0	74.7	-0.8	96	30	57	5	7	1	17	0						NM	
-DIVISION-			72.5	0.1									2.42	-1.56					
-MD: UPPER SOUTHE-																			
BALTIMORE WASH INT	85.3	61.9	73.6	1.2	103	29	50	6	11	2	13	1	2.68	-0.78	4	1.55	1	0	
BELTSVILLE	83.0	61.1	72.1	-0.8	100	30	49	6	8	1	10	1	3.13	-0.57	5	1.45	2	0	
DALECARLIA RSVR	83.1	62.0	72.6	-1.5	100	30	52	6	8	1	11	0	3.02	-1.19	5	2.00	2	0	
LAUREL 3 W	84.3	64.2	74.2	0.4	101	29	52	6	8	2	15	0	3.37	-0.86	4	2.00	1	0	
MD SCI CTR BALTIMO	88.3	69.4	78.9	2.8	106	29	59	6+	13	0	21	0	1.88	-1.39	2	1.09	1	NM	
NATL ARBORETUM DC*	86.2	63.8	75.0	-0.1	103	30	51	2										NM	
OXON HILL	83.7	62.8	73.3	-1.1	102	30	52	6	7	2	14	0	3.62	-0.74	4	2.60	2	0	
UPPER MARLBORO 3 N	84.2	61.0	72.6	-0.1	104	30	50	6	9	1	10	1	2.27	-1.80	5	0.92	2	NM	
-DIVISION-			74.0	0.7									2.85	-1.13					
-MD: NORTHEASTERN-																			
STEVENSVILLE	81.8	64.1	73.0	-0.7	100	30	54	6	6	1	14	0	4.19		6	2.33	2	0	
-DIVISION-			73.0	0.3									4.19	0.32					
-MD: NORTHERN CEN-																			
ABERDEEN PHILLIPS	83.0	62.2	72.6	0.4	99	30	51	6	8	2	12	0						0	
CONOWINGO DAM	80.2	58.0	69.1	-4.6	94	29	51	6	4	4	4	0	5.98	1.80	7	2.56	13	NM	
CYLBURN *	77.2	60.8	69.0	-1.1	89	22	50	6										NM	
DAMASCUS 3 SSW	79.3	59.4	69.4	-1.0	95	29	48	6	2	4	8	2	4.80	0.66	5	2.51	1	NM	
EMMITSBURG 2 SE	79.4	58.6	69.0	-0.8	96	30	48	6	3	4	3	2	4.09	0.17	4	2.08	2	0	
MILLERS 4 NE	81.5	58.5	70.0	0.6	95	29	45	6	5	1	6	2	4.65	1.26	7	1.46	2	0	
SMITHSBURG *	79.4	56.0	67.7	-2.8	96	30	44	6										0	
WESTMINSTER	80.9	59.9	70.4	-1.0	98	30	48	6	6	3	8	1	3.86	-0.06	5	2.28	2	0	
-DIVISION-			69.7	-1.6									4.68	0.81					
-MD: APPALACHIAN -																			
CUMBERLAND 2	84.0	57.4	70.7	-1.9	103	30	46	26	7	1	4	3	1.98	-1.30	4	0.64	30	NM	
FROSTBURG 2	75.4	54.4	64.9	-0.2	91	30	47	7+	1	7	2	10	3.75	-0.25	8	1.47	30	NM	
SHARPSBURG 5 S	81.3	55.6	68.4	-1.8	99	30	45	6	4	3	3	8						NM	
WILLIAMSPORT *	82.4	57.5	70.0	-0.5	101	30	48	7+										NM	
-DIVISION-			68.5	-0.6									2.86	-0.67					
-MD: ALLEGHENY PL-																			
OAKLAND 1 SE	76.8	53.8	65.3	0.9	92	30+	43	26	2	6	1	9	3.26	-1.16	6	1.00	18	0	
SAVAGE RIVER DAM	76.5	54.1	65.3	-0.9	88	29+	47	14+	0	5	1	8	3.63	-0.27	8	1.30	18	NM	
SINES DEEP CREEK	74.7	48.3	61.5		89	30	41	27+	0	7	0	20	4.16		7	1.69	18	NM	
KITZMILLER 1 W	78.5	56.3	67.4		95	30	47	3	2	3	4	6						NM	
-DIVISION-			64.9	-0.3									3.68	-0.63					
-STATE-			71.1	-0.5									3.52	-0.35				0	

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	MON MIN	DAY	MAX 90+	MAX 70-	MIN 65+	MIN 50-	MON TOT	DEPRT	DAYS 0.1+	DLY MAX	DAY	MON TOT	DLY MAX DAY
-NJ: NORTHERN-																			
BELVIDERE BRG	78.3	56.6	67.5	-0.8	95	30	45	5	3	6	4	4	3.03	-1.27	6	1.12	2	0	
BOONTON 1 SE	80.8	59.1	70.0	0.7	96	22+	47	6+	5	3	7	2	3.54	-1.05	7	1.09	13	0	
BOUND BROOK 2 W													3.37	-0.73	6	1.66	13	NM	
CANISTEAR RESERVOI													4.59	-0.04	9	1.21	2	NM	
CANOE BROOK	79.5	60.2	69.8	0.3	97	29	48	5	5	3	8	1	2.70	-2.00	5	1.06	13	0	
CHARLOTTEBURG RSV*	77.4	57.3	67.3	-0.3	92	30+	45	5										0	
CHATHAM 2 W *	81.9	57.8	69.9	0.4	98	22+	46	5					3.33	-0.91	5	1.14	13	0	
CRANFORD	82.1	59.3	70.7	0.6	97	22+	46	5	5	2	5	3	3.48	-0.91	7	1.08	13	0	
FLEMINGTON 5 NNW	80.2	58.0	69.1	0.3	95	30+	46	6+	5	3	5	3	3.77	-0.87	6	1.25	2	NM	
HARRISON	81.0	62.9	71.9	-0.6	101	22	51	6+	5	2	11	0	3.89	0.02	7	1.36	13	NM	
LAMBERTVILLE													2.56	-2.05	5	0.78	13	NM	
NEWARK INTL AP	81.3	63.4	72.4	0.0	99	21	51	5	6	4	12	0	5.02	1.00	9	1.25	12	0	
OAK RIDGE													3.40	-1.21	7	1.20	2	NM	
PHILLIPSBURG EASTO	79.7	58.2	68.9	-0.8	96	30+	48	5	6	5	3	2	3.14		5	1.39	2	NM	
POTTERSVILLE 2 NNW	74.8	58.8	66.8		90	30	49	5	1	9	4	2	2.98	-1.96	3	1.38	13	NM	
SUSSEX 2 NW *	78.1	55.3	66.7	0.3	94	22+	44	6										0	
WAYNE	80.3	62.1	71.2		97	22	51	23+	5	3	10	0	2.85		6	0.95	13	0	
WERTSVILLE 4 NE *	79.0	57.4	68.2	-0.1	94	23+	45	5					4.70	0.25	6	1.56	2	NM	
RIEGELSVILLE													3.96		5	1.92	2	0	
TOCKS ISLAND	77.8	58.0	67.9		94	21	47	5	3	5	4	2						NM	
-DIVISION-			69.2	0.4									3.54	-0.96					
-NJ: SOUTHERN-																			
ATLANTIC CITY INTL	80.2	59.5	69.9	-1.0	96	21	48	18	6	5	8	3	6.20	3.09	6	2.53	12	0	
ESTELL MANOR	81.1	58.5	69.8	-0.6	95	22+	46	18+	6	2	9	6	6.26	2.57	8	3.27	13	NM	
FREEHOLD MARLBORO	80.0	59.0	69.5	-0.9	95	23+	46	19	5	2	7	4	5.12	1.14	7	1.24	26	NM	
HAMMONTON 1 NE	82.5	59.6	71.1	-0.6	99	22	47	7	6	2	8	3	3.28	-0.78	6	1.20	13	0	
HIGHTSTOWN 2 W	81.2	58.0	69.6	-0.4	96	30+	47	6+	6	2	6	6	3.11	-1.29	6	0.68	26	0	
INDIAN MILLS	82.6	57.9	70.3	-0.1	97	21	43	5	7	0	10	8	3.87	-0.09	8	1.25	13	0	
MOORESTOWN	83.8	59.9	71.8	-0.4	98	29+	49	6+	8	1	10	2	3.15	-1.03	4	1.60	23	NM	
NEW BRUNSWICK 3 SE	80.9	59.6	70.3	-0.1	97	22+	48	6+	5	2	7	4	5.22	0.81	8	1.54	13	0	
SEABROOK FARMS	83.0	62.2	72.6		97	30+	51	6+	7	2	10	0	8.36		7	2.71	13	0	
SOMERDALE 4 SW	83.4	59.2	71.3		100	22	46	6	7	2	10	4	2.25	-1.75	6	0.63	13	NM	
ATSION	81.2	58.4	69.8		97	22	43	6	6	2	10	5	5.21		8	1.45	13	NM	
TRENTON MERCER CO	80.8	60.4	70.6	0.1	96	29	48	6+	7	2	8	2	2.72	-1.69	6	0.69	12	NM	
PHILADELPHIA MT HO	81.3	60.9	71.1		97	30+	47	6	6	2	12	1	2.78		4	1.38	23	0	
-DIVISION-			70.6	-0.2									4.43	0.65					
-NJ: COASTAL-																			
ATLANTIC CITY	76.1	65.2	70.7	0.7	94	22	56	6+	2	7	15	0	6.68	4.00	8	1.63	13	0	
BRANT BEACH HVN	78.3	64.9	71.6	2.0	94	22	55	6+	3	4	15	0	9.89	6.84	7	2.48	23	NM	
CAPE MAY 2 NW	81.5	62.4	72.0	1.0	97	21	49	6	4	1	15	3	4.17	0.80	6	1.34	25	0	
LONG BRANCH OAKHUR	77.8	60.8	69.3	0.1	96	22+	50	6	5	8	9	1	6.22	2.74	7	1.75	2	NM	
-DIVISION-			70.9	0.9									6.74	3.57					
-STATE-			70.1	0.1									4.27	0.27				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 JUNE 2012

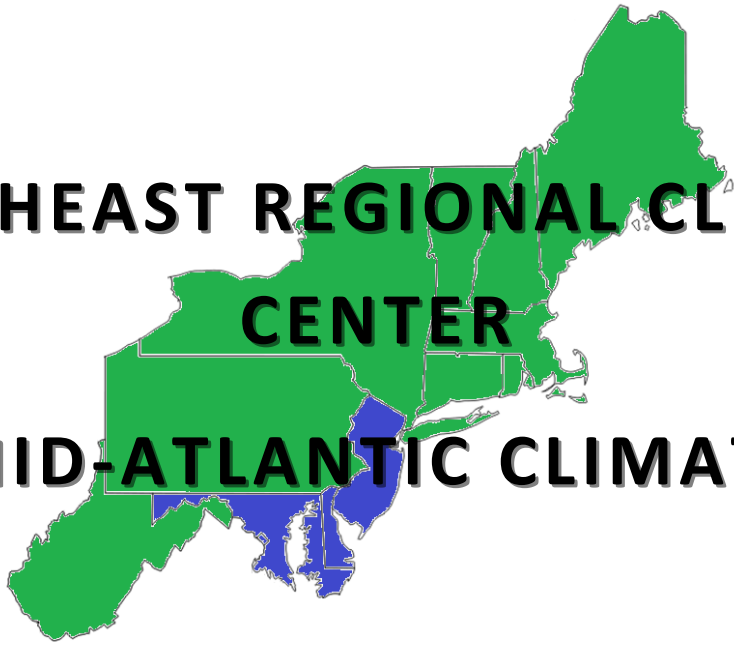
STATION	HEATING DEGREE DAYS (BASE 65)				COOLING DEGREE DAYS (BASE 65)				GROWING DEGREE DAYS (BASE 50)			
	MONTH	MONTH	SEASON	SEASON	MONTH	MONTH	SEASON	SEASON	MONTH	MONTH	SEASON	SEASON
-DE: NORTHERN-												
BEAR 2 SW	15	-4	4005	-1039	198	-15	319	42	633	-10	1404	230
WILMINGTON NEW CAST	9	-6	3898	-921	236	5	375	65	677	11	1489	238
WILMNGTON PORTER RS	14	-3			221	3			657	6	1384	171
-DE: SOUTHERN-												
DOVER	10	-2			260	-1	417	48	700	1	1585	198
-MD: SOUTHEASTERN SHORE-												
SALISBURY WICOMICO	11	-8	3213	-1228	281	54	484	173	720	62	1724	446
SALISBURY 2N	11				251				690			
-MD: CENTRAL EASTERN SHORE-												
ROYAL OAK 2 SSW	1	-6			276	-14	478	70	725	-8	1777	286
-MD: LOWER SOUTHERN-												
MECHANICSVILLE 5 NE	10	-9			177	-31			617	-22		
SOLOMONS	0	-2	3042	-780	296	-21	476	47	746	-19	1757	240
-MD: UPPER SOUTHERN-												
BALTIMORE WASH INTL	6	-9	3592	-1172	271	33	463	141	715	42	1691	408
BELTSVILLE	11	-3	3770	-957	231	-22	402	52	670	-18	1584	263
DALECARLIA RSVR	8	-3			242	-43	435	16	684	-40	1689	207
LAUREL 3 W	5	-6			290	16	498	101	735	21	1765	330
MD SCI CTR BALTIMOR	0	-5			425	88			875	94		
OXON HILL	5	-2	3477	-792	261	-27	453	45	706	-24	1704	222
UPPER MARLBORO 3 NN	8	-9	3726	-930	245	-3	429	79	687	6	1629	297
-MD: NORTHEASTERN SHORE-												
STEVENSVILLE	5	-1	3413	-917	251	-14	394	57	696	-13	1582	255
-MD: NORTHERN CENTRAL-												
ABERDEEN PHILLIPS F	10	-5	3963	-744	246	16	402	97	686	22	1519	256
CONOWINGO DAM	17	8			148	-122			581	-130	1355	33
DAMASCUS 3 SSW	28	5			168	-19			590	-23		
EMMITSBURG 2 SE	24	-1	4453	-943	151	-20	266	47	577	-18	1336	257
MILLERS 4 NE	18	-10	4083	-1263	178	16	307	89	610	27	1473	382
WESTMINSTER	20	0			190	-22			620	-22	1422	194
-MD: APPALACHIAN MOUNTAIN-												
CUMBERLAND 2	11	-2			189	-50	362	25	628	-48	1540	193
FROSTBURG 2	73	-5	5405	-1107	77	-4	128	24	454	0	1062	263
SHARPSBURG 5 S	33	11			144	-34			561	-45	1325	209
-MD: ALLEGHENY PLATEAU-												
OAKLAND 1 SE	76	-6			93	30			467	35		
SAVAGE RIVER DAM	58	-2			73	-24			465	-23	1068	214
SINES DEEP CREEK	134				36				352			
KITZMILLER 1 W	42				122				530			
-NJ: NORTHERN-												
BELVIDERE BRG	39	-1			120	-19			531	-18		
BOONTON 1 SE	23	-7			178	19			605	26	1275	261
CANOE BROOK	20	-15			174	4			604	19		

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	19	-9			197	15			628	24	1383	299
FLEMINGTON 5 NNW	29	-9			163	12			584	20		
HARRISON	14	1			230	-7			666	-7		
NEWARK INTL AP	14	-3	3707	-1165	242	3	375	60	678	6	1508	269
PHILLIPSBURG EASTON	27	-2			153	-16			576	-13	1299	272
POTTERSVILLE 2 NNW	44				107		167		513		1171	
WAYNE	19				212		337		643		1417	
TOCKS ISLAND	32		4777		126		212		544		1182	
-NJ: SOUTHERN-												
ATLANTIC CITY INTL	26	-1	3722	-1183	180	-23	297	30	604	-23	1353	216
ESTELL MANOR	26	-4	3995	-1060	178	-13	306	45	602	-8	1348	209
FREEHOLD MARLBORO	29	-1			171	-21			592	-20		
HAMMONTON 1 NE	16	-6			205	-16	340	51	639	-10	1412	232
HIGHTSTOWN 2 W	24	-8			170	-12	282	41	596	-4	1302	217
INDIAN MILLS	24	-2			188	0			614	2	1426	283
MOORESTOWN	12	-4			225	-7			663	-3		
NEW BRUNSWICK 3 SE	20	-7	4164	-1108	185	-4	296	54	615	3	1343	259
SEABROOK FARMS	9				244				685			
SOMERDALE 4 SW	21		4535		219		349		648		1360	
ATSION	28				178				600			
TRENTON MERCER CO A	22	-2	3676	-1484	199	9	355	108	627	11	1515	405
PHILADELPHIA MT HOL	19		4094		210		351		641		1417	
-NJ: COASTAL-												
ATLANTIC CITY	12	-9	3430	-1026	190	19	249	41	628	28	1276	224
BRANT BEACH HVN	8	-15			213	52			655	67		
CAPE MAY 2 NW	15	-2	3493	-990	232	37	332	87	667	39	1433	300
LONG BRANCH OAKHURS	28	-5			164	3			586	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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