Northeast Regional Climate Center

Mid-Atlantic Climate

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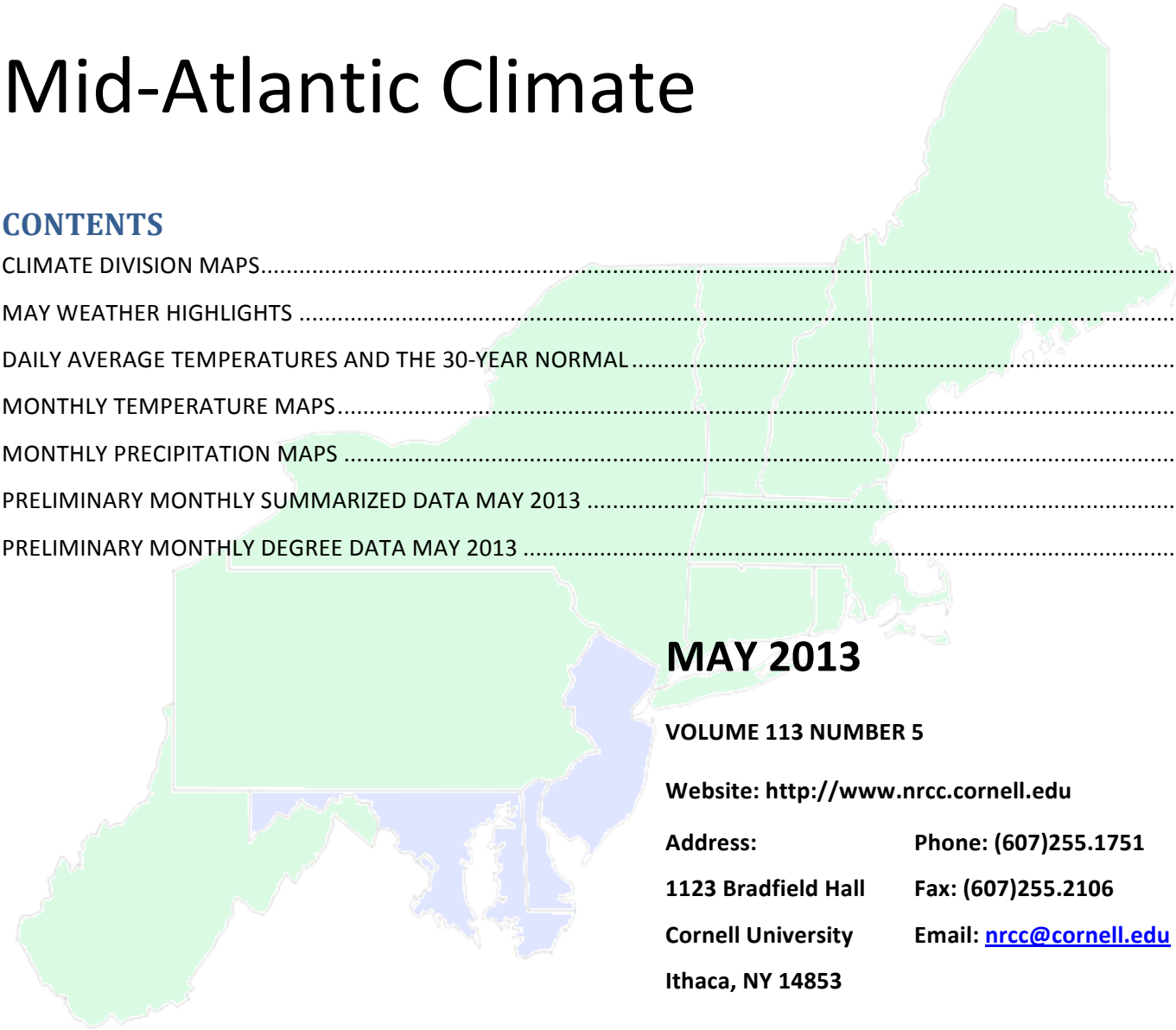

MAY 2013

VOLUME 113 NUMBER 5

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This project is conducted with funds provided by NOAA Contract No. EA133E-07-CN-0090.

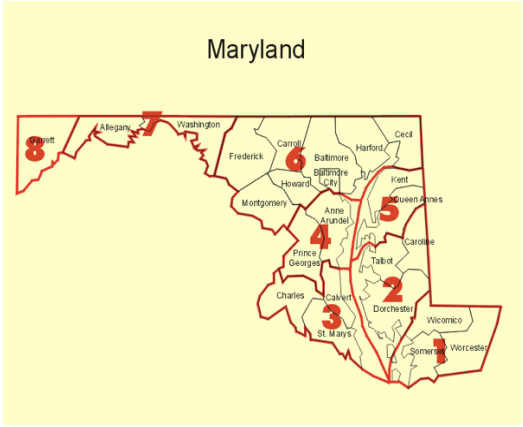
CLIMATE DIVISION MAPS

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

MAY WEATHER HIGHLIGHTS

For another month, the Mid-Atlantic was warmer than normal. The average May temperature of 62.2 degrees was 0.3 degrees above normal, but 4.5 degrees cooler than May 2012. Delaware was the warmest state at +0.8 degrees. New Jersey followed with a departure of +0.5 degrees while Maryland ended the month at +0.1 degrees. The region's highest temperature was 96 degrees, which was reported on the 31st in Harrison, New Jersey, and at the Maryland Science Center in Baltimore. The lowest temperature of the region, 27 degrees, occurred at Deep Creek Lake, Maryland, on the 14th and 15th.

For the fourth month in a row the Mid-Atlantic received below-normal precipitation. The region received 3.55 inches of precipitation, 87 percent of normal. Delaware was the driest state at 66 percent of normal followed by Maryland at 78 percent of normal. New Jersey was the lone wet state at 106 percent of normal. The greatest monthly and daily precipitation was located in northern New Jersey. Harrison received 7.31 inches during the month while Wertsville reported 2.80 inches on the 9th.

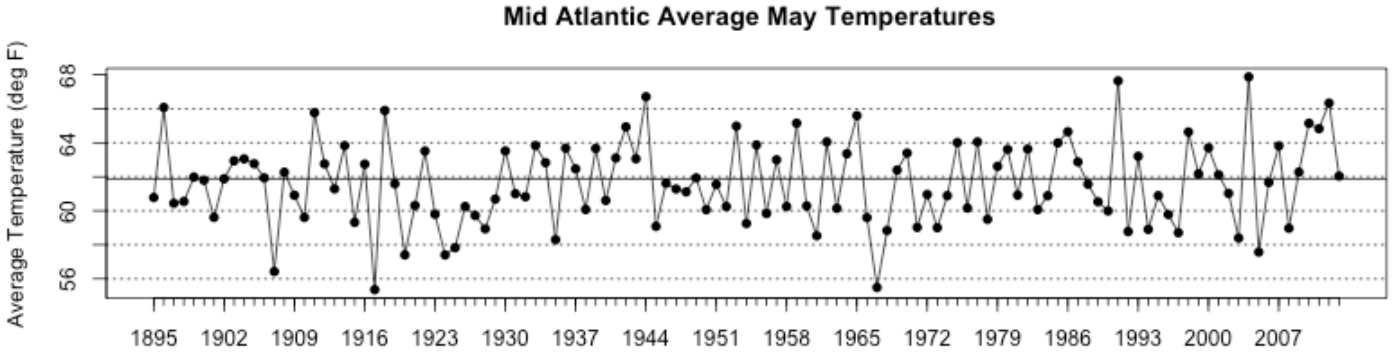
Heavy rain that fell in a few hours caused flash flooding in northeastern New Jersey on the 8th. Roads were closed and drivers stuck in rising waters were rescued by boat. Newark set precipitation records on both the 8th and 9th. Severe thunderstorms on the 11th produced a downburst with an estimated wind speed of 85 mph in Harford County, Maryland. Several dozen trees were uprooted and snapped along a 200-yard path. A funnel cloud was also spotted in Baltimore, Maryland.

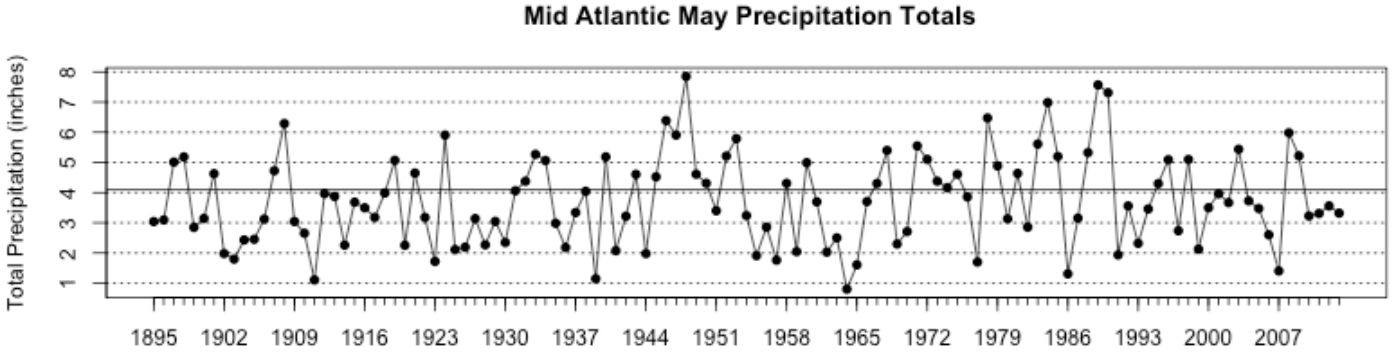
Daily Minimum Temperature Records (°F)

Station	Date	New	Previous
Washington Dulles, DC	14	32	32 in 1996
Baltimore, MD	14	34	34 in 1996
Wilmington, DE	14	36	36 in 1996

Daily Precipitation Records (inches)

Station	Date	New	Previous
Newark, NJ	8	1.15	1.07 in 1954
Newark, NJ	9	1.46	1.19 in 1998





The 2013 values depicted on these graphs are based on preliminary data.

Plenty of Variability but Overall Quite Average: May 2013 Summary and Spring Recap

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

May Overview

If there is one thing that was consistent with New Jersey's weather in May, and for that matter throughout this past spring (March-May), it was the inconsistency. Of course this is rather typical of many a spring month, as our region sits in the battle zone between reluctantly retreating winter conditions and sporadically advancing summer weather. When all was said and done, May 2013 came in with a near average statewide temperature of 60.7°. This was 0.1° below the 1981-2010 average and ranks as the 53rd mildest May of the past 119 years (1895-present). Precipitation averaged 4.01", a minute 0.01" above average and was the 42nd wettest on record. It was not only day-to-day conditions that varied in May, there were also notable differences in temperature and precipitation from one location to another.

While it took until the last three days of May for warm conditions to persist for more than a day or two, seven days saw the thermometer top out at 85° or higher at one or more of the 55 NJ Weather and Climate Network stations distributed across NJ. The 10th saw Sicklerville (Camden County) and Oswego Lake (Burlington) reach 85°. Walpack (Sussex) hit this mark on the 16th, an interesting situation where the northwest corner of the state was mildest, given its distance from onshore flow of cool ocean-conditioned air that enveloped much of NJ. The 21st saw Hawthorne (Passaic), Haworth (Bergen), and Walpack reach 89°, and five stations rose to 87° on the 22nd.

The state's first heat wave of the year (defined as three or more consecutive days with highs of 90° or better somewhere in NJ) arrived on the 29th. Toms River (Ocean) and Berkeley Township (Ocean) made it to 91°, with four stations coming in at 90°. The heat expanded and intensified on the 30th, with Haworth, Oswego Lake, Toms River, and Hillsborough (Somerset) at 94° and 30 other stations between 90°-93°. Atlantic City Marina was the coolest location at 74°. The 31st was a bit warmer, with Hawthorne and Berkeley Township up to 95°, 34 other stations between 90°-94°, and Atlantic City Marina again the coolest at 76°.

Despite ever-shorter nights, the thermometer managed to drop below freezing somewhere in NJ on nine mornings in May. As expected, these locations were most often the valley stations of Walpack and Pequest (Warren) in northwest NJ or the low lying, sandy Pinelands station in Berkeley Township where daytime heat is rather efficiently radiated to space on clear, calm nights. The 1st saw Pequest drop to 28° and Walpack to 29°. Pequest was 29° on the 2nd, with Walpack and Berkeley Township at 31°. Pequest was 30° and Walpack 32° on the 4th, with both these locations at 30° on the 5th and 31° on the 6th.

The low on the 13th fell to 29° at Walpack and 31° at Berkeley Township. The coldest morning of the month statewide was on the 14th, a rather unusually late date to see multiple locations drop to the freezing mark. Walpack bottomed out at 27° and Hope (Sussex) at 29°, with 10 others between 30°-32°. The mildest locations on the 14th were West Cape May (Cape May) and Harvey Cedars (Ocean), both at 44°. Walpack made it to 31° on the 15th, and joined with Pequest at 30° on the 27th for what may be the last freeze until fall.

Assuming June stays above freezing statewide, a look at the duration of the recent freeze season is in order. The first freezing day last fall was October 8th, when Basking Ridge (Somerset) fell to 32°. A more widespread northern NJ freeze occurred on October 12, when Walpack and Pequest fell to 26° and 29°, respectively. The last freeze of the season was at these two stations on the 27th of May, giving them a freeze season duration of 228 days (Basking Ridge's last freeze was on the 14th, giving that location a 219 day freeze season). On the opposite end of the freezing spectrum, Atlantic City Marina did not fall to freezing until November 29th and last froze on April 4, making for a 127-day freeze season. West Cape May bested this for the shortest duration, with the first freeze on November 28th and last freeze on March 24, making for a 117-day season. This exceptional 111-day difference between longest and shortest station duration is due to the late arrival of freezing conditions near the shore last fall and the rather unusual late freeze in the inland valleys.

Statewide precipitation was discussed above, although the average value hardly tells the entire story of the month. There were two events that deposited over 3.00" at multiple locations, yet other spots did not come close to that amount for the entire month. This resulted in some wet locations, with Franklin Township (Hunterdon) topping the list of close to 200 CoCoRaHS stations at 8.21". This was followed by River Vale (Bergen) with 7.77", two Oakland (Bergen) locations at 7.43" and 7.69", Hawthorne (Passaic) with 7.39",

and Harrison (Hudson) and Lebanon (Hunterdon) at 7.30". On the dry side was Pennsville Township (Salem) with 1.70", Wildwood Crest (Cape May) 1.71", Medford Lakes (Burlington) 2.26", Lacey Township (Ocean) 2.32", and Moorestown (Burlington) 2.36".

The first week of May was dry throughout NJ. Next came the first of the two 3.00" episodes. Showers from the second half of the 7th through the morning of the 9th, some accompanied by thunder, pea-size hail (Frenchtown in Hunterdon County), and localized minor road and stream flooding (Helmetta (Middlesex) and Tenafly (Bergen)) deposited as much as 3.88" of rain in Lawrence Township (Mercer). Other hefty totals included 3.54" in Wood Ridge (Bergen), 3.25" in Franklin Township (Hunterdon), and 3.22" in Kearny (Hudson). Ten stations saw in excess of 3.00" and 47 stations between 2.00" and 2.99" of the over 200 CoCoRaHS stations reporting. The rain was heaviest in northeast and west-central areas, while the southeast had under 0.50" at 12 stations, including only 0.15" in Egg Harbor Township (Atlantic).

Rain returned on the evening of the 10th, was scattered throughout the 11th, and ended early on the 12th. This time the most rain fell in the southeast, with Egg Harbor Township topping the list at 2.69". Woodbine (Cape May) caught 2.08" and Linwood (Atlantic) 1.83". The far northwest saw only 0.21" and 0.23" at two Wantage (Sussex) locations. Thunderstorms were observed in some locations with pea-size hail in Medford (Burlington) and strong winds that toppled trees in four counties (see May wind report below).

Moderate rain fell over the eastern half of the state from the afternoon of the 18th through the 19th, ending as drizzle on the morning of the 20th. This persistent event deposited 0.94" in Stafford Township (Ocean), 0.85" at Little Egg Harbor (Ocean), and 0.82" in Estell Manor (Atlantic). Montague (Sussex) only saw 0.04", while Sparta (Sussex), Andover (Sussex), and Elk Township (Gloucester) received 0.05". Lanoka Harbor (Ocean) reported pea-size hail on the 17th.

Heavy rain returned to portions of the northern half of NJ, falling at times during the second half of the 23rd, though the 24th, and into the predawn hours of the 25th. Heaviest accumulations were in a zone extending from northern Hunterdon and Warren counties northeast into Passaic and Bergen counties. This included the bulk of the watersheds that flow into the state's reservoirs, thus fortunately they ended May essentially full. Ringwood (Passaic) saw the largest total of 3.98", followed by North Haledon (Passaic) 3.67", River Vale (Bergen) 3.60", Wayne (Passaic) 3.56", and Oakland (Bergen) 3.55". Fifteen CoCoRaHS stations reported over 3.00" and 42 between 2.00"-2.99". During the late evening of the 23rd into the 24th Pascack Brook in Westwood (Bergen) and the Wanaque River in Wanaque (Passaic) crested within a half foot above flood stage, while the Ramapo River in Mahwah (Bergen) and the Saddle River in Lodi (Bergen) crested within a half foot below flood stage. Less rain fell in the southern half of NJ, with 44 stations receiving less than 0.50" and Wildwood Crest (Cape May) only catching 0.11", Pine Beach (Ocean) 0.18", and Wall Township (Monmouth) 0.21".

The last event of May began during mid morning on the 28th and lasted less than 24 hours. Statewide totals mostly ranged between 0.10" and 0.50", although scattered locations such as Sea Isle City (Cape May) 0.84", Kearny (Hudson) 0.72", Blairstown (Warren) 0.71", and Mine Hill (Morris) 0.68" received a bit more. This was followed by widespread dense fog on the morning of the 29th.

The maximum barometric pressure in May was on the 1st and 2nd, with readings between 30.45" and 30.50". The minimum pressure was close to 29.65" on both the 12th and 24th. Winds gusted to 40 mph or greater on only three days. A thunderstorm on the 11th brought a 46 mph gust to Woodbine (Cape May). A 42 mph gust also accompanied a storm at Jersey City (Hudson). Certainly there were higher localized gusts on the 11th, as trees were reported down in portions of Somerset, Morris, Essex, and Hudson counties. The overall windiest day of May was the 25th with the coastal stations of Seaside Heights (Ocean), Sea Girt (Monmouth), Harvey Cedars (Ocean), and Point Pleasant (Ocean) gusting to 45 mph, 45 mph, 44 mph, and 40 mph, respectively. Inland, Cream Ridge (Monmouth) gusted to 42 mph and 20 other stations peaked between 30 mph – 39 mph. Some branches came down, but there were no reports of significant damage.

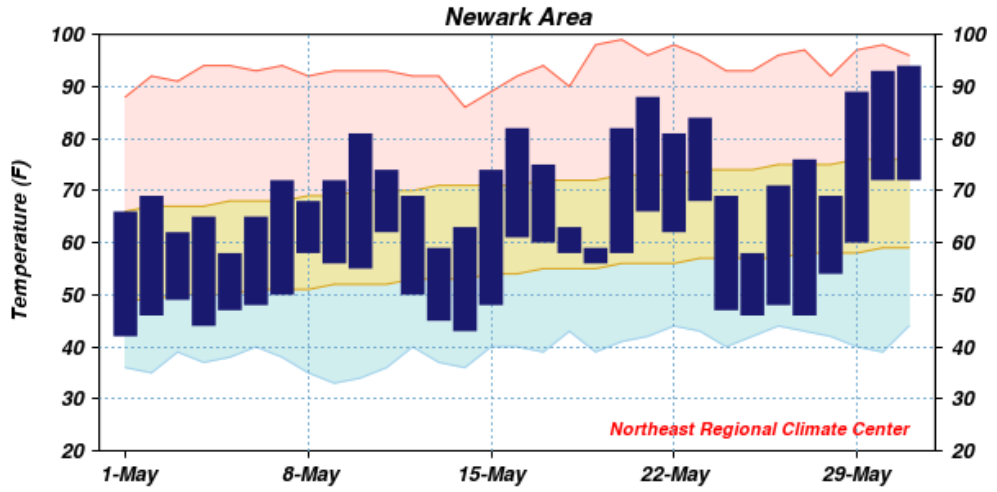
Spring Overview

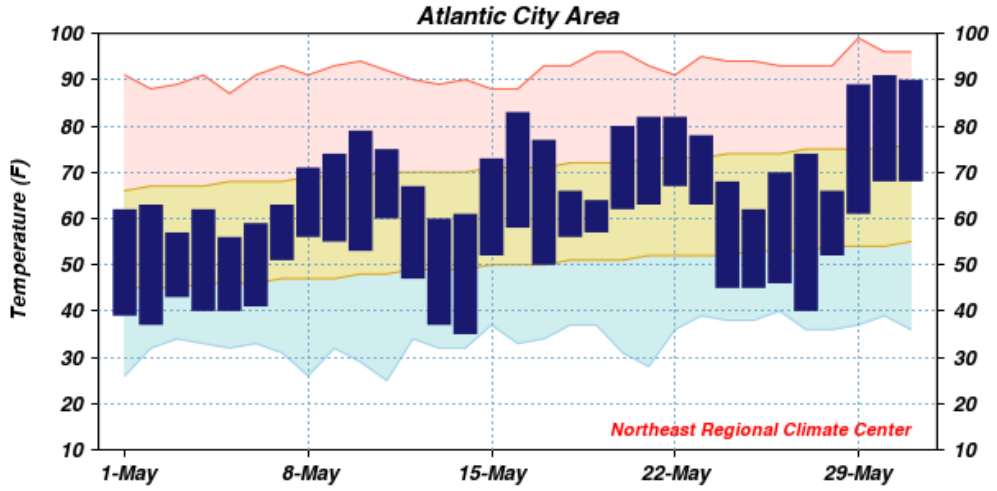
Climatological spring (March-May) averaged 50.3° across New Jersey. This is 0.7° below average and marks the 57th mildest spring of the past 119. The last below average spring was in 2005 (48.9°). The first 90° readings of the year were observed at locations in Camden and Burlington counties on April 10th during a short-lived warm spell. The last freezing conditions were experienced in northwest NJ valleys on May 27th.

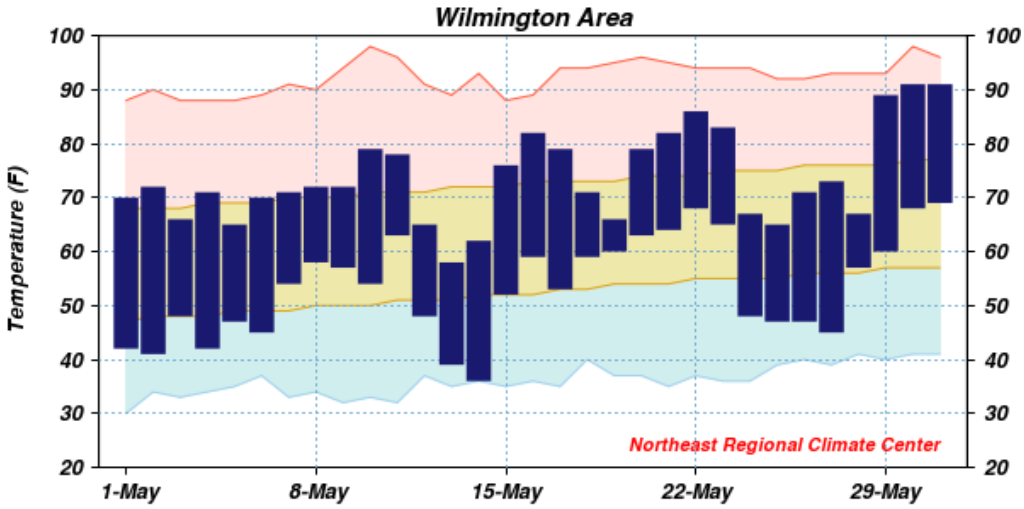
Statewide precipitation averaged 9.77" over the three spring months. This is 2.52" below average and made this the 35th driest spring on record. Despite a deficiency in precipitation it fell frequently enough to minimize the fire danger during this vulnerable season. Northern areas were wettest, with Oakland (Bergen) receiving 13.21", followed by Hawthorne (Passaic) 12.90", Randolph Township (Morris) 12.71", Ringwood (Passaic) 12.60", and Lebanon (Hunterdon) 12.59". The southwest and far northwest corners were driest, with Pennsville (Salem) only catching 6.87", Woolwich Township (Gloucester) 7.13", Wantage (Sussex) 7.74", Woodstown (Salem) 7.88", and Collingswood (Camden) 8.12".

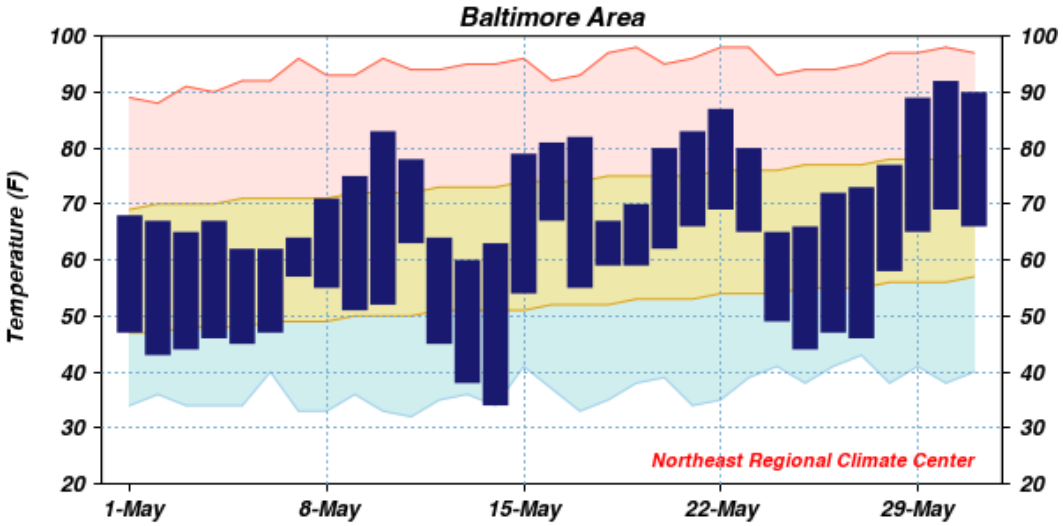
Snow only fell in March, with West Milford (Passaic) coming in with 18.4", Hardyston (Sussex) 16.3", Oakland (Bergen) 12.4" and 15.9", and Jefferson Township (Morris) 15.0". At best, several inches fell in the southern third of NJ.

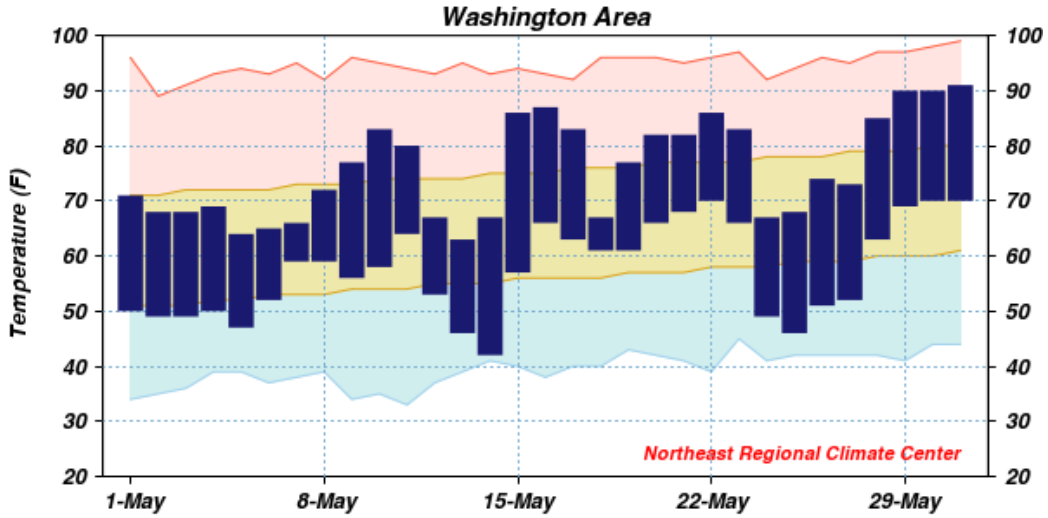
DAILY AVERAGE TEMPERATURES AND THE 30-YEAR NORMAL

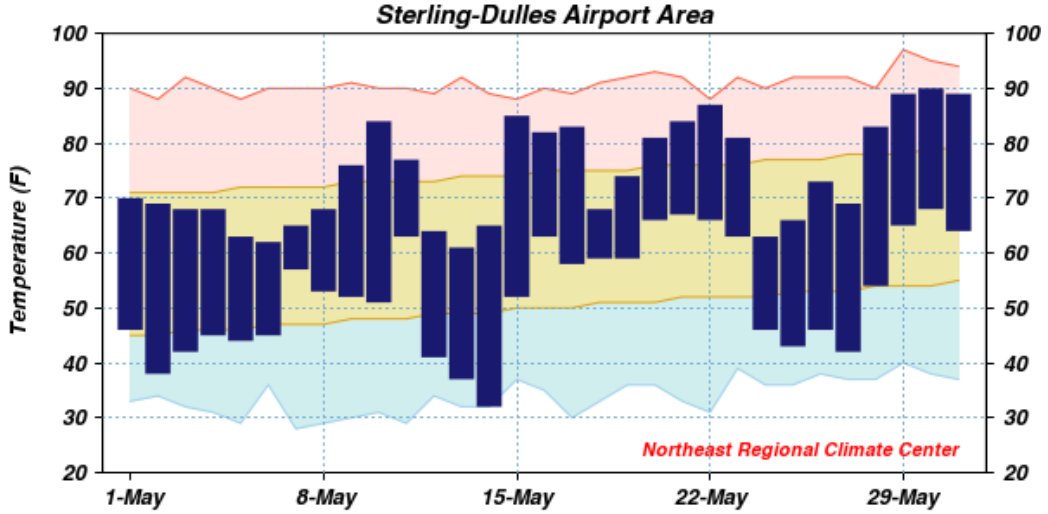






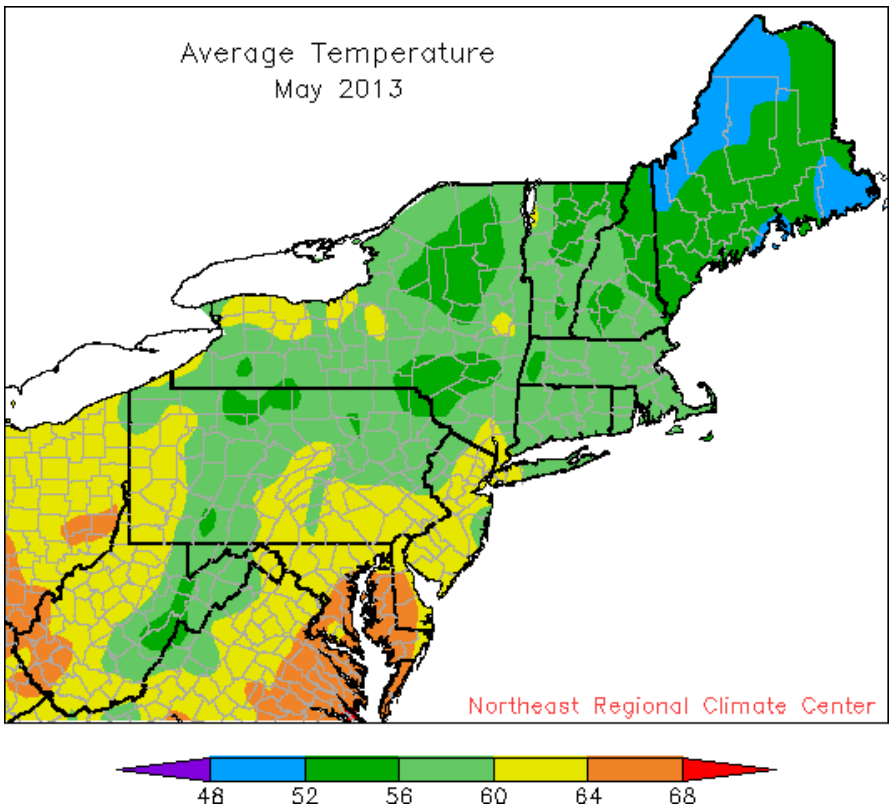


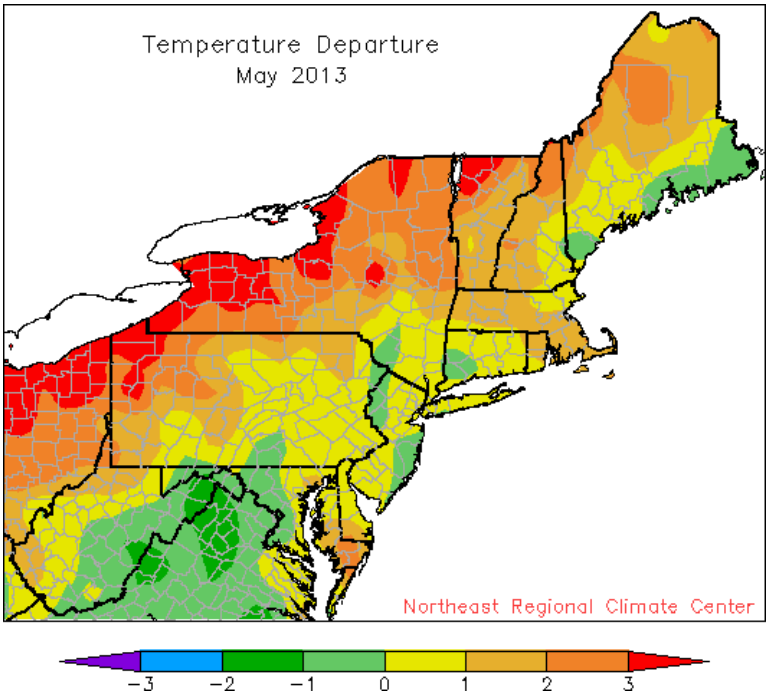




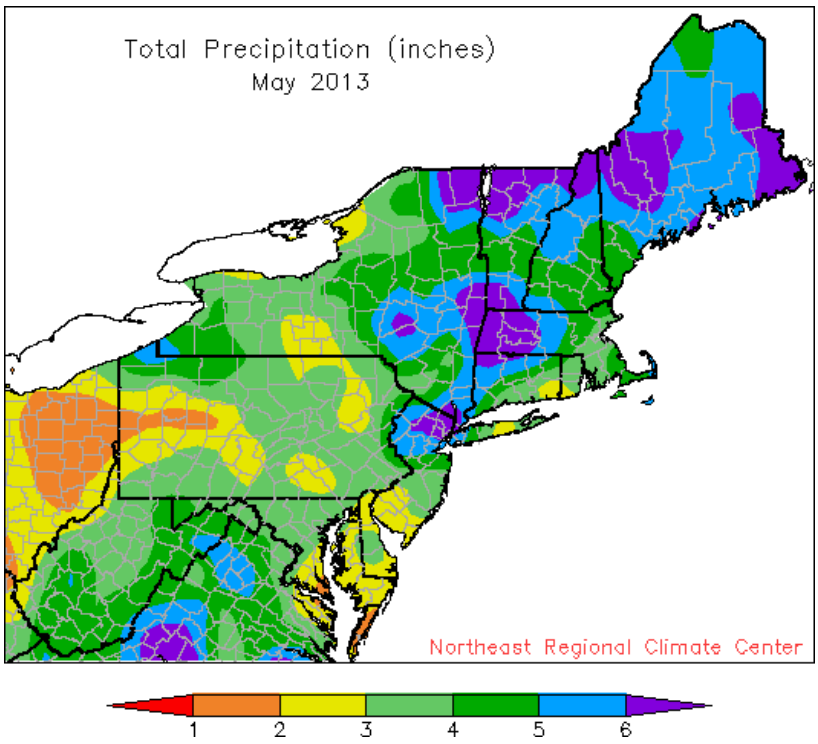
Area between normal max and min temperatures has tan shading.
Red line connects record high temperatures.
Light blue line connects record low temperatures.

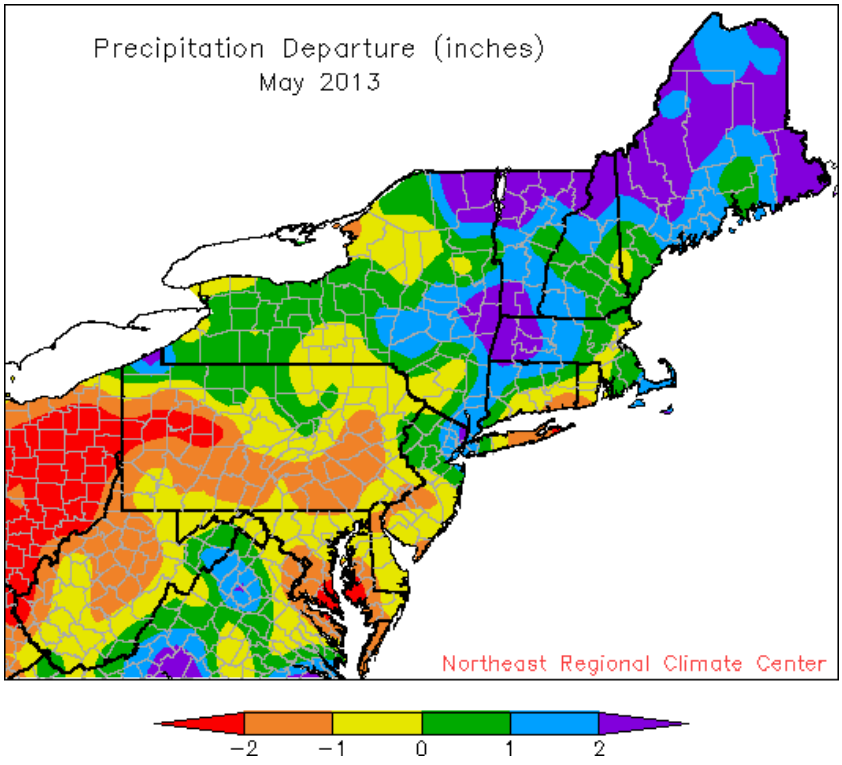
MONTHLY TEMPERATURE MAPS





MONTHLY PRECIPITATION MAPS





PRELIMINARY MONTHLY SUMMARIZED DATA MAY 2013

	TEMPERATURE (F)												PRECIPITATION (INCHES)						
STATION	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+	70-	MIN 65+	50-	MON TOT	DEPRT	DAYS 0.1+	DLY MAX	DAY	MON TOT	DLY MAX DAY
-DE: NORTHERN-																			
WILMINGTON NEW CAS	73.8	53.5	63.7	0.9	91	31+	36	14	2	11	4	13	2.16	-1.79	8	0.47	10	0	
WILMNGTON PORTER *	71.9	52.5	62.2	-0.2	91	30	37	14					3.05	-1.33	10	0.75	11	0	
-DIVISION-			63.0	0.3									2.61	-1.54					
-DE: SOUTHERN-																			
DOVER	73.6	54.5	64.0	-0.2	90	31+	38	14	2	13	7	13						NM	
-DIVISION-			64.0	1.0									2.63	-1.3					
-STATE-			63.8	0.8									2.63	-1.37				0	
-MD: SOUTHEASTERN-																			
SALISBURY WICOMICO	75.5	56.0	65.8	3.2	91	31	37	14	2	13	9	11	3.32	-0.30	7	0.87	7	0	
SNOW HILL 4 N	75.4	55.5	65.4	0.7	91	31	36	14	2	10	8	10	3.59	0.07	6	1.10	18	NM	
SALISBURY 2N	75.1	55.1	65.1		89	31	36	14	0	11	9	11	2.93		8	0.92	7	NM	
-DIVISION-			65.4	2.0									3.28	-0.17					
-MD: CENTRAL EAST-																			
-DIVISION-			65.2	0.5									2.01	-2.02					
-MD: LOWER SOUTHE-																			
MECHANICSVILLE 5 N	74.3	51.8	63.0	0.5	88	31+	34	14	0	12	4	14	2.52	-1.68	5	0.82	6	NM	
SOLOMONS *	73.1	57.6	65.4	-0.2	90	30	46	14+										NM	
-DIVISION-			64.2	0.8									2.52	-1.64					
-MD: UPPER SOUTHE-																			
BALTIMORE WASH INT	73.6	53.8	63.7	0.8	92	30	34	14	2	14	7	13	3.43	-0.56	6	0.99	23	0	
BELTSVILLE	72.6	53.4	63.0	-0.4	91	31	34	14	1	15	3	12	3.67	-0.65	6	0.96	24+	0	
DALECARLIA RSVR	72.7	53.1	62.9	-2.2	91	31	37	15+	1	16	5	14	3.83	-0.61	7	1.05	24	0	
LAUREL 3 W	74.1	54.6	64.4	-0.6	91	30	38	14	2	13	6	10	3.89	-0.67	6	1.16	7	NM	
MD SCI CTR BALTIMO	77.4	60.1	68.8	2.7	96	31	46	14	4	9	10	4	3.83	0.34	6	1.31	23	NM	
NATL ARBORETUM DC*	76.0	55.3	65.4	-0.5	93	31	36	14	3	12			2.15	-2.13	5	0.67	8	0	
OXON HILL	74.3	53.9	64.1	-0.9	91	31	37	14	2	14	5	12	2.47	-1.89	7	0.55	29	0	
UPPER MARLBORO 3 N	73.1	53.2	63.1	-0.4	90	30	33	14	1	14	5	13	2.40	-1.92	5	0.75	8	NM	
-DIVISION-			64.4	0.5									3.21	-1.17					
-MD: NORTHEASTERN-																			
STEVENSVILLE	72.1	55.5	63.8	0.5	87	31	43	25	0	15	5	12	2.28		5	0.64	8	0	
-DIVISION-			63.8	0.3									2.28	-1.92					
-MD: NORTHERN CEN-																			
ABERDEEN PHILLIPS*	73.3	53.8	63.7	1.2	90	31	35	14										0	
BRIGHTON DAM	71.5	49.7	60.6		89	31	32	16+	0	15	0	14	4.58		6	1.30	24	0	
CONOWINGO DAM	70.9	50.3	60.6	-3.2	89	30	35	14	0	18	2	15	3.89	-0.07	4	1.29	24	NM	
CYLBURN	70.3	52.7	61.5	-0.6	88	31	36	14	0	18	5	13	3.80		6	1.23	11	NM	
DAMASCUS 3 SSW	71.9	51.9	61.9	0.2	89	30	32	14	0	17	3	14	5.19	1.02	8	2.01	23	0	
EMMITSBURG 2 SE	70.5	48.8	59.7	-1.0	88	31	32	14	0	18	1	17	3.04	-1.30	7	0.83	11	0	
MILLERS 4 NE	73.1	50.7	61.9	1.1	89	30	31	14	0	15	3	14	2.89	-1.37	6	1.42	11	0	
-DIVISION-			61.4	-0.9									3.90	-0.43					
-MD: APPALACHIAN -																			
CUMBERLAND 2	75.2	49.6	62.4	-1.4	95	31	28	13	5	10	1	16	2.78	-1.24	4	1.51	8	NM	
FROSTBURG 2	67.8	45.4	56.6	0.0	85	31+	28	14	0	19	0	20	4.24	-0.64	7	2.23	8	NM	
SHARPSBURG 5 S *	72.3	47.2	59.8	-1.3	91	31	29	14										NM	
WILLIAMSPORT *	73.2	48.3	60.7	-0.8	92	31	33	15+										0	
-DIVISION-			59.9	-0.4									3.51	-0.75					
-MD: ALLEGHENY PL-																			
SAVAGE RIVER DAM	68.1	47.3	57.7	0.0	86	31	30	15+	0	19	0	17	4.04	-0.48	8	1.99	8	NM	
SINES DEEP CREEK	67.9	42.9	55.4		85	31	27	15+	0	19	0	24	4.47		8	1.20	8	NM	
KITZMILLER 1 W	69.5	48.6	59.1		88	31	31	14	0	19	0	18						NM	
-DIVISION-			57.4	0.6									4.25	-0.48					
-STATE-			62.7	0.1									3.27	-0.92				0	
-NJ: NORTHERN-																			
BELVIDERE BRG *	70.7				90	31												0	

	TEMPERATURE (F)												PRECIPITATION (INCHES)						
STATION	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+	70-	MIN 65+	50-	MON TOT	DEPRT	DAYS 0.1+	DLY MAX	DAY	MON TOT	DLY MAX DAY
BOONTON 1 SE	71.8	49.6	60.7	0.4	91	31	37	1	1	15	1	15	5.57	1.10	10	2.08	24	0	
BOUND BROOK 2 W													3.79	-0.33	9	0.98	9	0	
CANOE BROOK	70.6	49.6	60.1	0.1	92	31	37	14+	1	18	1	18	5.22	0.84	8	1.32	9	NM	
CHARLOTTEBURG RSV*	69.7	47.5	58.6	-0.1	87	31	35	1										NM	
CRANFORD	71.4	54.5	63.0	2.3	91	31	42	14+	1	16	4	12						0	
FLEMINGTON 5 NNW	72.2	49.3	60.7	0.9	92	31	34	14	1	14	2	18	6.92	2.30	9	2.19	9	NM	
HARRISON	71.5	52.9	62.2	-0.7	96	31	42	14	2	19	1	13	7.31	2.81	11	1.40	8	0	
NEWARK INTL AP	72.6	54.1	63.3	0.6	94	31	42	1	2	15	4	15	5.44	1.35	7	1.46	9	0	
POTTERSVILLE 2 NNW	71.0	50.0	60.5		91	22	39	2+	1	15	1	17	5.38	0.59	9	1.40	24	NM	
RINGWOOD *	73.3	48.4	60.9		93	31	33	14										NM	
SUSSEX 2 NW	71.7	46.6	59.2	1.6	91	31	33	14	1	13	1	21						0	
WAYNE	72.0	51.8	61.9		93	31	38	14	1	17	1	14	6.45		10	2.70	24	0	
WERTSVILLE 4 NE	70.4	49.7	60.0	0.2	90	31	34	14	1	18	3	15	5.76	1.37	9	2.80	9	NM	
TOCKS ISLAND	70.5	48.2	59.4		90	31	34	14	1	15	0	19						NM	
-DIVISION-			60.8	1.1									6.01	1.64					
-NJ: SOUTHERN-																			
ATLANTIC CITY INTL	71.1	51.2	61.1	0.0	91	30	35	14	2	16	3	14	2.70	-0.65	5	1.51	11	0	
ESTELL MANOR	72.0	51.2	61.6	0.3	90	31	31	14	1	17	4	13	3.19	-0.44	7	1.34	12	NM	
FREEHOLD MARLBORO*	71.5	49.5	60.4	-0.5	92	31	35	14+	1	18			3.07	-0.62	9	0.90	9	NM	
HAMMONTON 1 NE *	72.6	51.0	61.8	0.2	93	31	35	15										0	
HIGHTSTOWN 2 W	72.4	47.6	60.0	-0.7	92	31	32	14	1	16	1	17	3.64	-0.46	9	1.41	9	0	
INDIAN MILLS	73.6	50.5	62.1	0.6	92	31	30	14	2	11	4	15	3.05	-0.97	7	0.78	9	0	
MILLVILLE MUNI AP*	72.2	50.7	61.5	0.5	90	30	32	14					3.44	-0.16	9	1.53	11	NM	
NEW BRUNSWICK 3 SE	71.2	49.9	60.5	-0.2	93	31	35	14	1	18	2	16	4.36	0.17	10	1.50	9	0	
SEABROOK FARMS	73.5	54.0	63.8		93	31	39	14	1	10	4	12	3.19		8	0.87	9	0	
SOMERDALE 4 SW	73.0	50.2	61.6		93	31	33	14	2	16	4	16	2.65	-1.31	9	0.56	9	NM	
ATSION *	73.0	50.9	62.0		92	31	33	15					3.00		7	0.73	8	NM	
TRENTON MERCER CO	71.9	51.3	61.6	0.5	91	31+	37	14	2	16	3	15	3.34	-1.03	9	0.74	8	NM	
PHILADELPHIA MT HO	72.2	51.9	62.1		92	31	36	14	2	16	3	13	2.39		7	0.79	9	0	
-DIVISION-			61.5	0.1									3.17	-0.63					
-NJ: COASTAL-																			
CAPE MAY 2 NW	69.6	53.7	61.6	0.1	84	29	40	14	0	18	0	12	1.81	-1.72	7	0.52	11	0	
LONG BRANCH OAKHUR	67.4	50.9	59.2	-0.1	88	31	40	15	0	19	1	14	4.72	0.67	11	0.96	12	NM	
-DIVISION-			60.4	0.1									3.27	-0.22					
-STATE-			61.2	0.5									4.22	0.24				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 MAY 2013

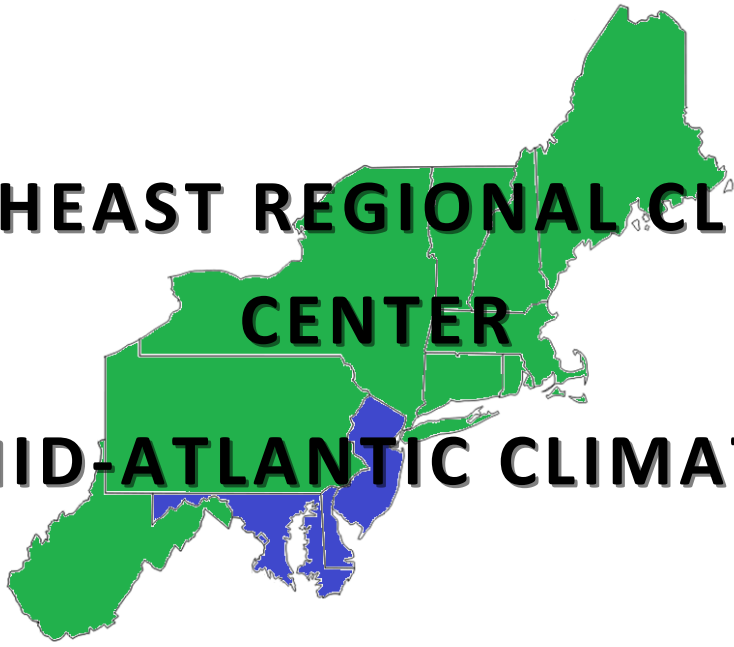
STATION	HEATING DEGREE DAYS (BASE 65)				COOLING DEGREE DAYS (BASE 65)				GROWING DEGREE DAYS (BASE 50)			
	MONTH	MONTH	SEASON	SEASON	MONTH	MONTH	SEASON	SEASON	MONTH	MONTH	SEASON	SEASON
-DE: NORTHERN-												
WILMINGTON NEW CAST	125	-10	4620	-184	90	23	107	28	432	34	609	24
-DE: SOUTHERN-												
DOVER	123	12	4326	67	101	13	132	24	443	1	663	-25
-MD: SOUTHEASTERN SHORE-												
SALISBURY WICOMICO	114	-28	3862	-560	145	78	191	107	496	104	763	143
SNOW HILL 4 N	109	5			129	35			485	28		
SALISBURY 2N	117				125		163		473		727	
-MD: CENTRAL EASTERN SHORE-												
-MD: CENTRAL EASTERN SHORE-												
-MD: LOWER SOUTHERN-												
MECHANICSVILLE 5 NE	135	-2	4691	69	83	23	111	30	414	24	612	-23
-MD: UPPER SOUTHERN-												
BALTIMORE WASH INTL	136	2	4486	-263	105	35	131	47	436	33	650	40
BELTSVILLE	150	21	4563	-150	98	18	121	24	416	-2	631	-2
DALECARLIA RSVR	166	64	4463	76	109	5	143	9	410	-59	671	-87
LAUREL 3 W	129	29	4339	-127	114	14	150	27	450	-16	689	-32
MD SCI CTR BALTIMOR	54	-27			179	65	230	91	590	92	945	158
OXON HILL	133	39	4295	33	113	20	146	26	445	-20	688	-64
UPPER MARLBORO 3 NN	156	26	4565	-74	105	24	139	37	417	-2	636	-15
-MD: NORTHEASTERN SHORE-												
STEVENSVILLE	125	8	4257	-67	97	34	117	45	437	26	641	23
-MD: NORTHERN CENTRAL-												
BRIGHTON DAM	183				56				346			
CONOWINGO DAM	181	70			51	-23			341	-88	472	-139
CYLBURN	170	22			68	12	95	28	366	-10	564	1
DAMASCUS 3 SSW	171	13			83	27			383	16		
EMMITSBURG 2 SE	204	29	5270	-101	47	5	63	15	316	-22	477	-7
MILLERS 4 NE	166	-10	4981	-337	78	32	97	41	385	44	565	57
-MD: APPALACHIAN MOUNTAIN-												
CUMBERLAND 2	164	46			91	11	127	29	405	-25	645	-26
FROSTBURG 2	284	3	6394	-40	33	14	41	18	254	21	379	34
-MD: ALLEGHENY PLATEAU-												
SAVAGE RIVER DAM	250	3			31	10			273	15		
SINES DEEP CREEK	309				18				223			
KITZMILLER 1 W	224		5826		46		55		309		467	
-NJ: NORTHERN-												
BOONTON 1 SE	179	-6			53	15			341	17		
CANOE BROOK	198	1			55	13	59	9	325	7	435	-6
CRANFORD	124	-53			69	25	85	34	410	73	587	107
FLEMINGTON 5 NNW	184	-15	5390	-274	59	21	71	27	345	33	468	36
HARRISON	149	15			73	5	78	-4	389	-11	521	-48
NEWARK INTL AP	141	6	4631	-224	97	33	100	24	421	26	571	4
POTTERSVILLE 2 NNW	181				52				338		453	
SUSSEX 2 NW	219	-35			47	23	47	19	302	49	389	55
WAYNE	157				65		71		374		512	
WERTSVILLE 4 NE	201	2			55	17			324	13		
TOCKS ISLAND	210		5637		43		48		305		410	
-NJ: SOUTHERN-												
ATLANTIC CITY INTL	191	17	4830	-48	79	24	94	30	358	7	482	-28
ESTELL MANOR	168	-5	4846	-179	69	11	82	12	370	13	521	-8
HIGHTSTOWN 2 W	207	25			60	11	70	11	324	-15	446	-39
INDIAN MILLS	167	4	4832	-238	81	26	100	33	383	21	559	28
NEW BRUNSWICK 3 SE	189	10	5022	-223	60	14	68	15	339	2	472	0
SEABROOK FARMS	117				86				435			
SOMERDALE 4 SW	169		5314		69		79		369		505	
TRENTON MERCER CO A	175	7	4949	-187	76	27	90	33	370	20	512	18

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
PHILADELPHIA MT HOL	162				80				387		546	
-NJ: COASTAL-												
CAPE MAY 2 NW	152	0	4287	-179	54	9	62	12	367	7	508	3
LONG BRANCH OAKHURS	210	1			39	6			295	1	366	-35

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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