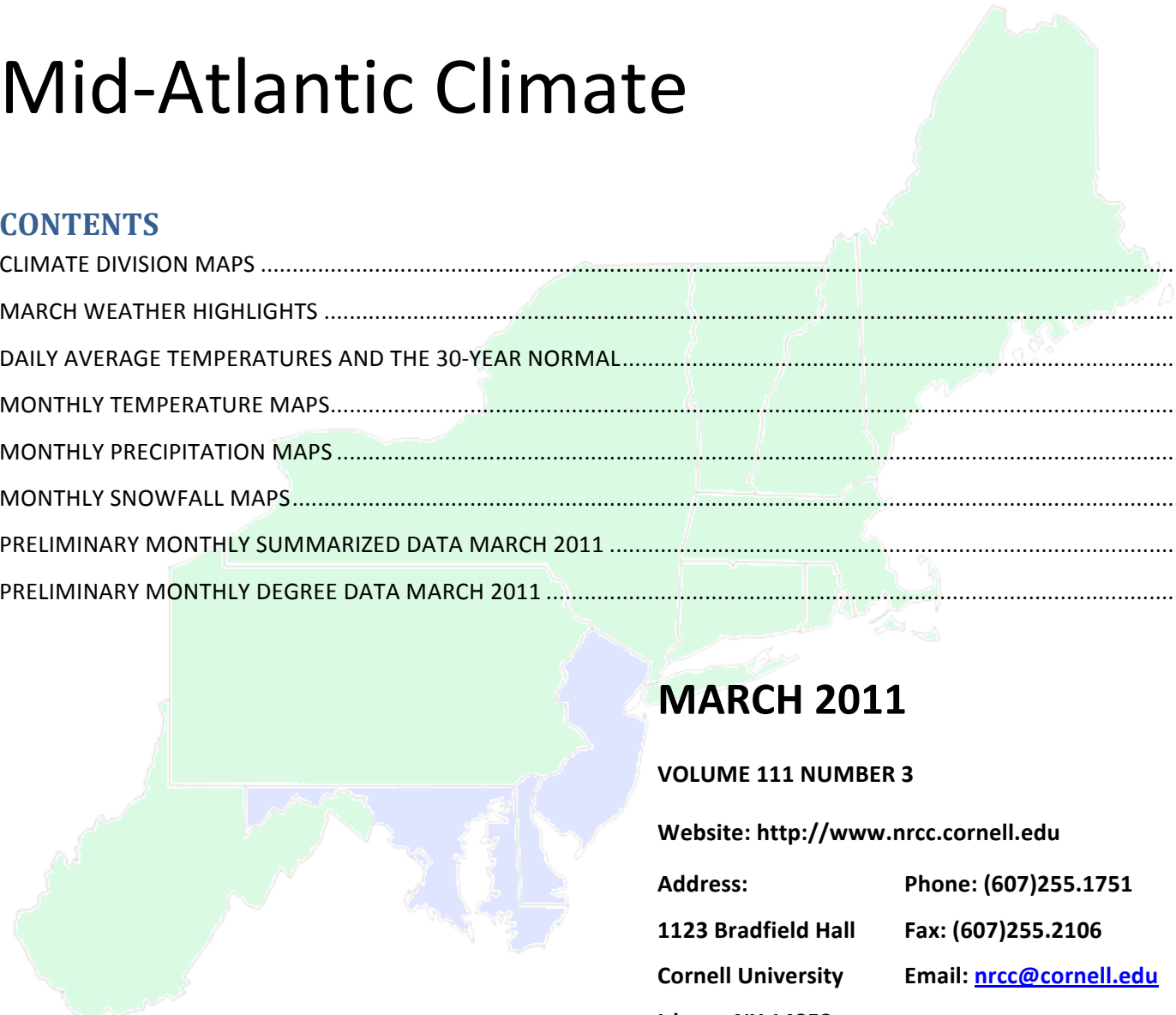


Northeast Regional Climate Center

Mid-Atlantic Climate

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MARCH 2011

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CLIMATE DIVISION MAPS



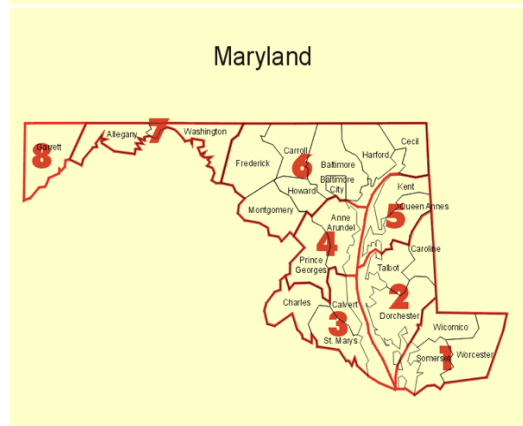
New Jersey Climate Divisions

- 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

MARCH WEATHER HIGHLIGHTS

With an average temperature of 44.1 degrees, the Mid-Atlantic region was slightly warmer than normal in March. This month's departure of 0.6 degrees above normal was 4.0 degrees cooler than March 2010 and 1.1 degree warmer than the same month in 2009. State departures were normal in Maryland, +0.2 in New Jersey, and +0.6 in Delaware. The region's high temperature this month was 82 degrees, recorded on the 18th in downtown Baltimore, MD and on the 19th at the National Arboretum in Washington, DC. The low was 13 degrees, recorded on the 3rd and 4th at Frostburg, MD and on the 3rd at Oakland, MD.

March 2011 was the 5th consecutive month with above normal precipitation in the Mid-Atlantic region and the 12th wettest March since 1895. The region's total of 5.53 inches was 136% of normal. Maryland (129%) and New Jersey (130%) averaged above normal, while Delaware (89%) had below normal totals. Charlotteburg Reservoir, NJ was the wettest location, with a monthly total of 10.67 inches. This included a daily total of 5.05 inches on the 11th.

After a relatively quiet February, the weather pattern was more active in March. Several rain/snow events resulted in flooding, road closures, downed trees and structural damage. On March 6-7, a cold front that stretched from Maine to Florida drenched parts of the region with 1-2 inches of rain. The rain that fell on the 6th and 7th combined with additional rain on the 10-11th to put many waterways, including the Delaware, Raritan, Passaic, and Susquehanna Rivers over their banks. At least 2000 homes were evacuated in the Passaic River basin, where the gauge at Little Falls, NJ remained above flood stage for 10 consecutive days.

Daily Snowfall Records (inches)

| <u>Location</u> | <u>Date</u> | <u>New</u> | <u>Previous</u> |
|-----------------|-------------|------------|-----------------|
| Newark, NJ | 23 | 1.3 | 1.1 in 1961 |
| Dulles AP, VA | 27 | 0.1 | Tr in 1983 |

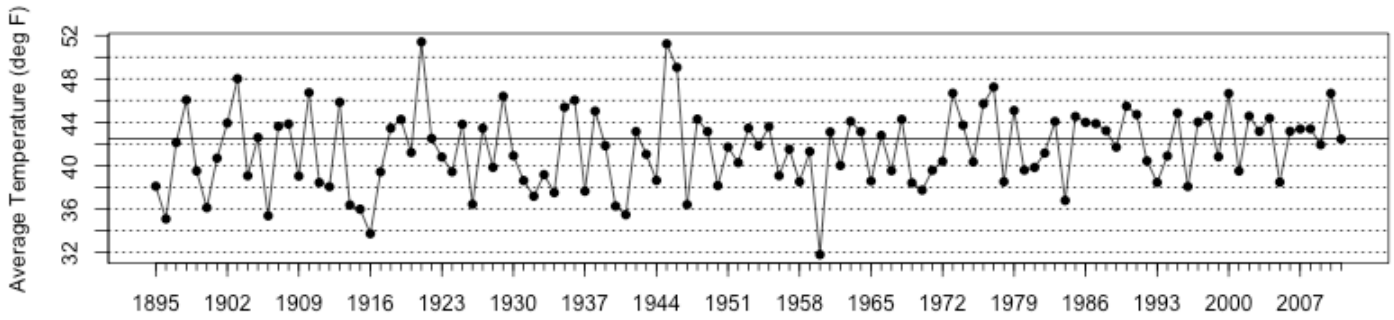
Daily Precipitation Records (inches)

| <u>Location</u> | <u>Date</u> | <u>New</u> | <u>Previous</u> |
|-----------------|-------------|------------|-----------------|
| Dulles AP, VA | 6 | 2.30 | 1.12 in 1967 |
| Baltimore, MD | 10 | 2.61 | 1.74 in 1883 |
| Dulles AP, VA | 10 | 1.41 | 0.59 in 1994 |

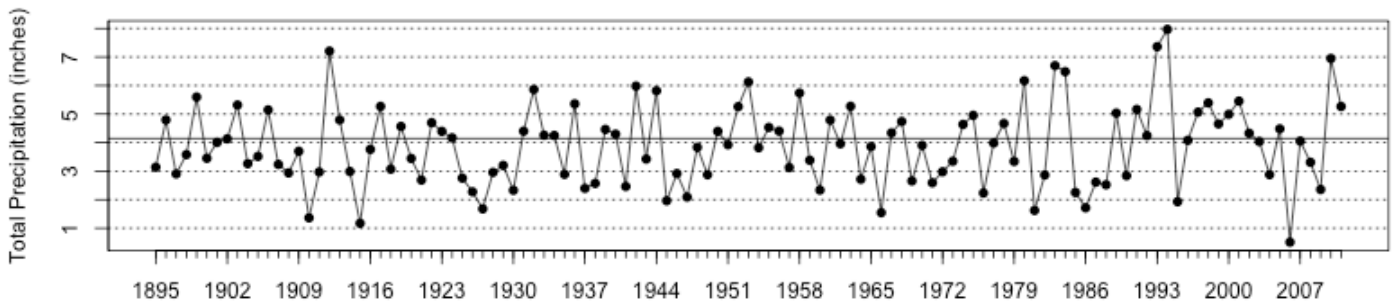
Maximum Temperature (degrees F)

| <u>Location</u> | <u>Date</u> | <u>New</u> | <u>Previous</u> |
|-----------------|-------------|------------|-----------------|
| Baltimore, MD | 18 | 81 | 80 in 1989 |
| Newark, NJ | 18 | 80 | 78 in 1989 |

Mid Atlantic Average March Temperatures



Mid Atlantic March Precipitation Totals



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

Another Wet March

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

While not coming close to the record wet March of last year, an average of 5.75" fell across the Garden State this March. This is 1.58" above normal and ranks as the 12th wettest since records commenced in 1895. The table below shows that five of the twelve wettest Marches have been observed since 1993. Include the 1980s and numbers rise to eight of twelve.

| Rank | Year | Mar Precip. |
|-----------|-------------|-------------|
| 1 | 2010 | 9.52 |
| 2 | 1912 | 7.80 |
| 3 | 1983 | 7.72 |
| 4 | 1994 | 7.34 |
| 5 | 1993 | 7.08 |
| 6 | 1980 | 6.92 |
| 7 | 1953 | 6.91 |
| 8 | 1899 | 6.70 |
| 9 | 1984 | 6.41 |
| 10 | 2001 | 6.11 |
| 11 | 1932 | 5.78 |
| 12 | 2011 | 5.75 |
| 13 | 1944 | 5.72 |
| 14 | 1942 | 5.71 |
| 15 | 1896 | 5.47 |

The north Jersey Highlands received the most precipitation. Jefferson Township (Passaic County) took top honors with 10.28", followed by two stations in Oakland (Bergen) coming in with 10.12", Mine Hill (Morris) at 9.86", stations in Rockaway (Morris) with 9.68" and 9.47", and Little Falls (Passaic) with 9.47". Southern NJ had close to average rainfall, with Lower Township (Cape May) the lowest at 3.83", Wildwood Crest (Cape May) 4.01", Sea Isle City (Cape May) 4.04", Woodbine (Cape May) 4.22", and Woodstown (Salem) 4.24".

Two major storms arrived in quick succession early in the month. This led to major flooding in the Passaic basin for the second consecutive March. Minor to moderate flooding occurred in the Delaware and Raritan basins. The first storm on the 6th-7th brought 3.72" to Oakland (Bergen), 3.71" at Wanaque (Passaic) and 3.64" to Rockaway (Morris). Most of the northern half of the state received more than 2". Only the far south saw less than an inch, with Stone Harbor (Cape May) receiving 0.79" and Middle Township (Cape May) 0.80". Next up was a storm on the 10th-11th that again had eyes on the Highlands. West Milford (Passaic) stations received 5.14" and 4.71". Jefferson Township (Morris) had 5.01" and Rockaway (Morris) 3.64". The northern third of NJ receive more than 2", with less toward the south, including 0.91" in Greenwich (Cumberland) and 0.95" at Merchantville (Camden).

With the second storm anticipated and conditions very wet following the first event, a state of emergency was declared prior to the second downpour. Approximately 2000 homes were evacuated, mostly in the area just upstream from Little Falls in the Passaic Basin. This included 1000 families in Pompton Lakes. Crests on the Passaic and its tributaries ranked in the top 10, with stream gauge records in some cases going back over a century. Rivers topped out generally just below the floods of April 2007 and March 2010. The Passaic River at Little Falls rose to 5 feet above flood stage and remained in flood for 10 consecutive days.

The next precipitation event to have eyes on NJ took a southern route. The lower third of the state saw the most rain, with 0.82" at Linwood (Atlantic) and Upper Deerfield (Cumberland) and 0.79" in Estelle Manor (Atlantic) and Pine Beach (Ocean). As little as 0.33" fell in Woodland Park (Passaic) and Washington (Warren).

The next two storms saw some snowfall in central and northern counties and thunder rumbling in central and southern locations. The 21st saw temperatures near 60° in the south with thunderstorms dropping generally light rain. Meanwhile, northern areas were in the 30°s with rain and some snow. As much as 0.81" of rain and melted snow fell at Blairstown (Warren), 0.79" in Bethlehem Township (Hunterdon) and 0.68" in Hawthorne (Passaic), with no rain received at Vineland (Cumberland) and 0.02" in Wildwood Crest (Cape May). Snowfall topped out at 4.2" in Rockaway (Morris) and 3.9" in Liberty Township (Warren), but was mostly in the several tenths to an inch range in most locations where it fell.

The 23rd-24th brought another mixed bag of precipitation to NJ. Rain and snow fell in the morning hours, lighter precipitation fell during the day, and the evening brought a return to mixed conditions, with sleet, snow and hail up to ¼" amidst lightning and thunder at central Jersey locations. When all was said and done early on the 24th, rain and melted snow amounted to as much as 1.62" in Long Hill Township (Morris), 1.41" at Liberty Township (Warren) and 1.35" in Randolph (Morris) and as little as 0.33" in Tabernacle (Burlington) and 0.36" at Berlin Township (Camden). A narrow band of heavy snow covered portions of Warren and Morris counties with as much as 11.0" in Rockaway (Morris), 9.5" and 9.6" totals in Randolph and 9.5" at Mine Hill (Morris). Elsewhere central and northern areas received a few tenths to several inches.

A month-straddling event began on the 31st and ended on mid day on April 1st. Southern counties saw several tenths of an inch of rain on the 31st, with lesser amounts reported in the north. Northern areas saw several tenths on the 1st, with less to the south. Some snow and sleet mixed with the rain in the north on day one of the event, but more accumulated on the 1st, which will be reported in the April narrative.

The two late-month snow events brought monthly totals of 16.0" at Rockaway (Morris), 13.3" and 11.0" to stations in Randolph (Morris) and 13.1" in Mine Hill (Morris). Elsewhere totals dropped off to at most several inches in the northern half of the state and little to no snow in the south.

Statewide, March temperature averaged 41.1°. This is 0.1° above normal and ranks as the 49th warmest of the past 117 years. On the warm side of the ledger, at least one of the approximately 50 stations monitored by the state climate office reached or exceeded 60° on eight days. The 5th saw Hillsborough (Somerset) reach 65° and New Brunswick (Middlesex) and Mansfield (Burlington) at 64°. Sicklerville (Burlington) reached 60° on the 12th. Sicklerville again checked in at 60° on the 16th, along with Mansfield and Hawthorne (Passaic). The mid-month string of warm days continued with Hawthorne at 68° on the 17th, when Haworth (Bergen) and New Brunswick hit 66°. The 18th brought a record warm 80° to New Brunswick. Hillsborough, Hamilton (Mercer) and Jersey City (Hudson) reached 79°, with High Point at 69° the coolest location. The 18th was the only morning of the month when not a single location in NJ fell below freezing. The coolest low was 40° at Pequest, Hope and Hackettstown, all in Warren County.

A cold front dropped temperatures on the 19th, but not before early day warmth brought a 67° maximum to Upper Deerfield (Cumberland) and 66° at three other locations. One last day of warmth brought 63° to Clayton (Gloucester) and Hammonton (Burlington) on the 21st.

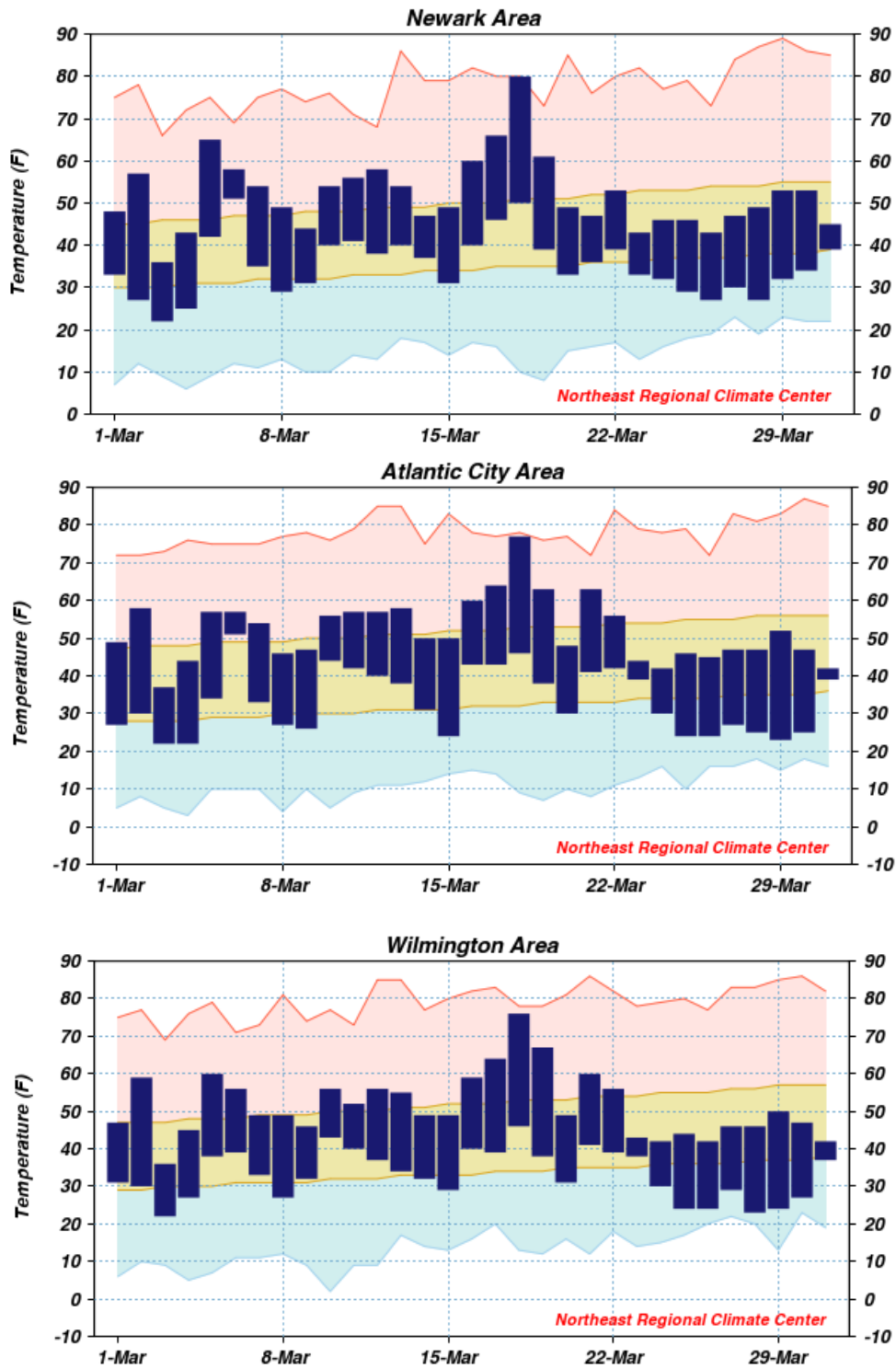
On 14 March days, minimum temperatures fell to the teens or single digits at one or more locations. On 12 of these days, the Sussex County valley station of Walpack was in this mix. They led things off with a 19° low on the 1st, and with High Point (Sussex) dropped to 13° on the 2nd. High Point fell to 7° on the 3rd, the coldest day of the month. The mildest station that morning was 24° at West Cape May (Cape May). High Point reached 13° on the 4th, when Walpack hit 14°. The 8th and 9th saw Walpack reach 12° and 15°, respectively, joined with 19° at High Point and Pequest (Warren) on the 8th. Walpack was at 15° and Pequest 19° on the 15th, with the 20th bringing a low of 15° at Walpack.

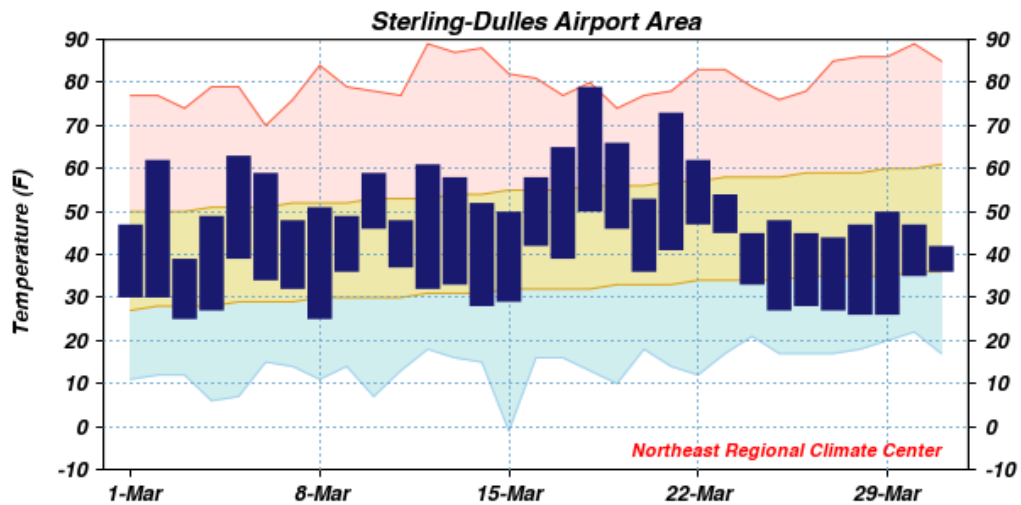
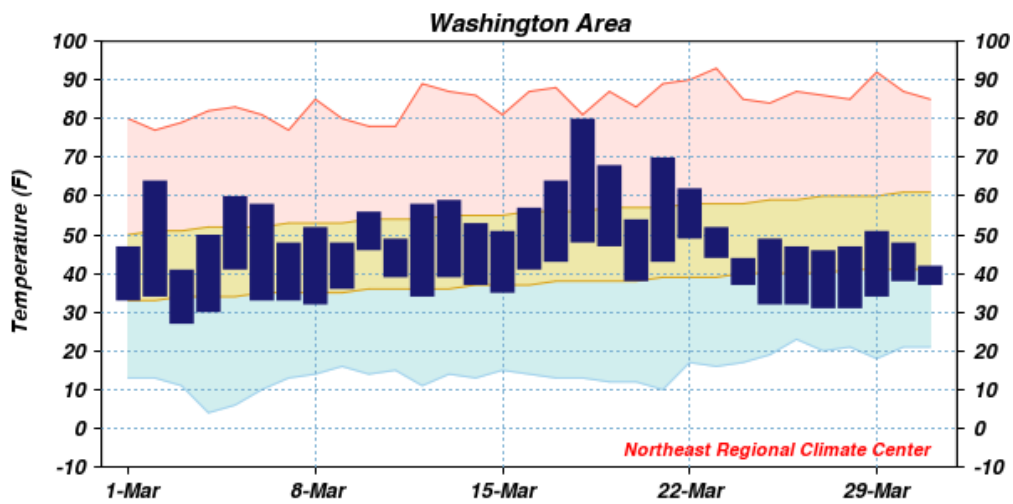
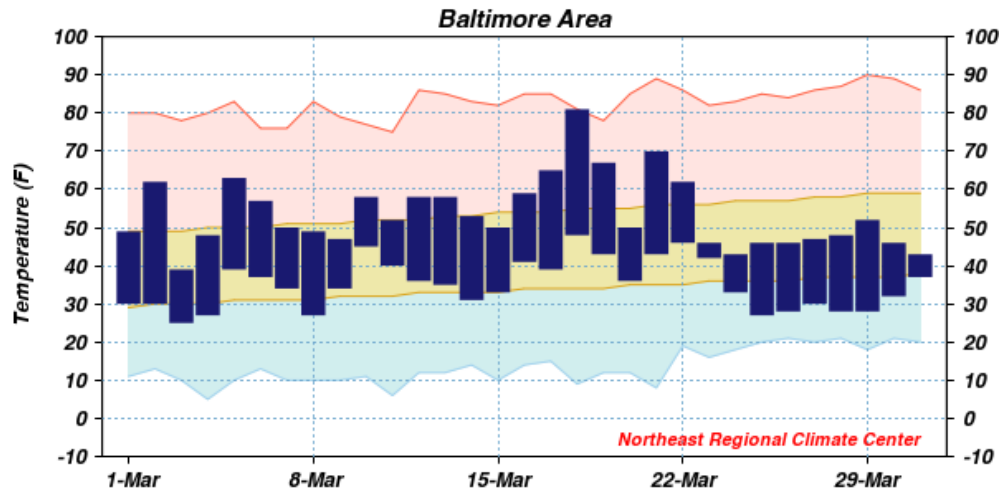
The 25th-30th saw lows in the teens at Walpack, Pequest and/or High Point, with Wantage (Sussex) joining in on the 27th at 19°. Walpack was at 12° on the 25th and Pequest 15°. The 26th saw 11° at Walpack and 14° at Pequest and High Point. The latter station took honors on the 27th at 15°, and repeated this the next day, when Walpack was 16°. Walpack and Pequest reached 16° and 19° respectively on the 29th and both were at 19° on the 30th.

Unlike many Marches, this one was not particularly windy. Nonetheless, nine days saw winds gust at or above 40 mph in one or more location. Wantage (Sussex) peaked at 43 mph on the first and 45 mph on the 2nd. High Point Monument (Sussex) hit 49 mph on the 2nd, which statewide was the windiest day of the month. Coastal gusts of 47 mph at Bivalve (Cumberland) and 40 mph at the Atlantic City Marina (Atlantic) occurred on the 6th. The next day, saw the month's maximum gust of 61 mph at Wantage, with a 42 mph peak at Hawthorne (Passaic). Bivalve gusted to 49 mph on the 10th, Harvey Cedars (Ocean) 40 mph on the 13th, Wantage to 45 mph on the 17th and 42 mph on the 17th, and ten days later the 28th brought a 45 mph gust to Wantage and 41 mph peak to High Point Monument.

The highest pressure of the month was reached on the 4th, when many barometers topped out at an impressive 30.70" to 30.75". Just three days later, the 7th saw the lowest March pressures at 29.40" to 29.45".

DAILY AVERAGE TEMPERATURES AND THE 30-YEAR NORMAL



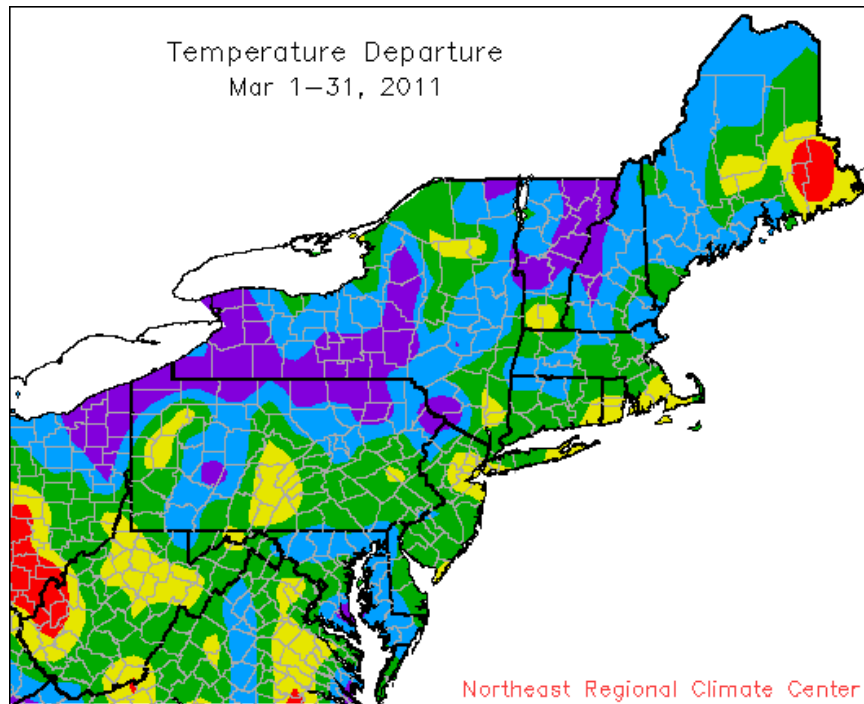
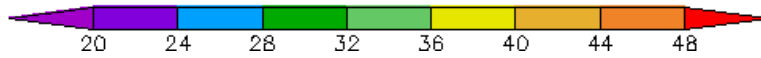
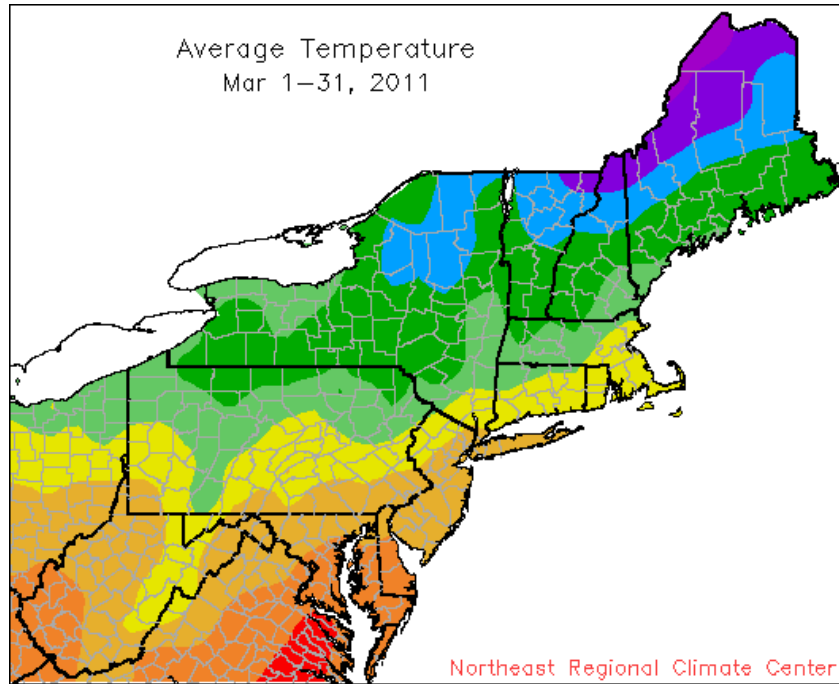


Area between normal max and min temperatures has tan shading.

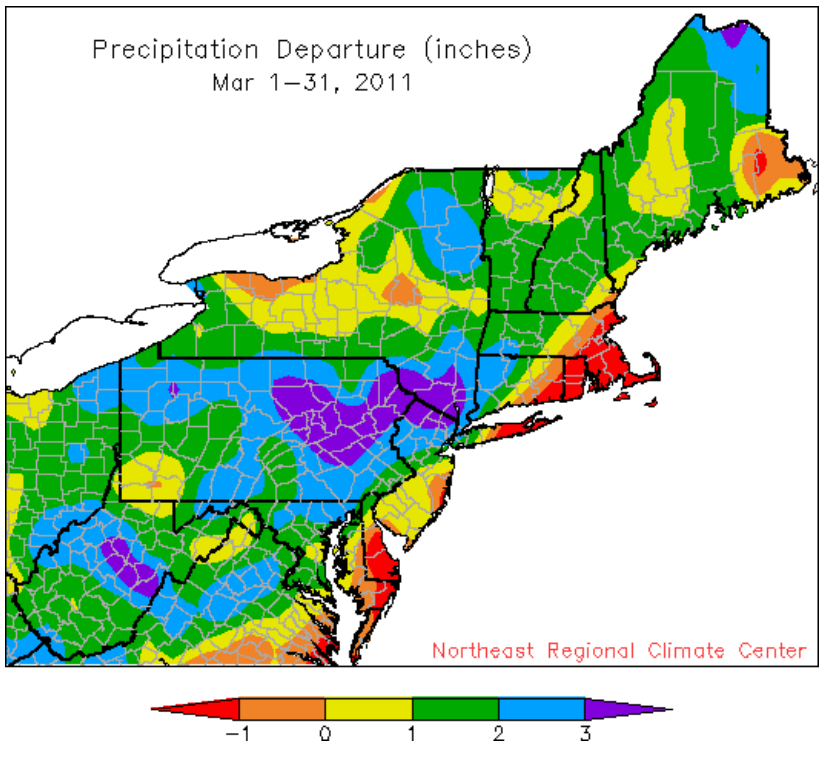
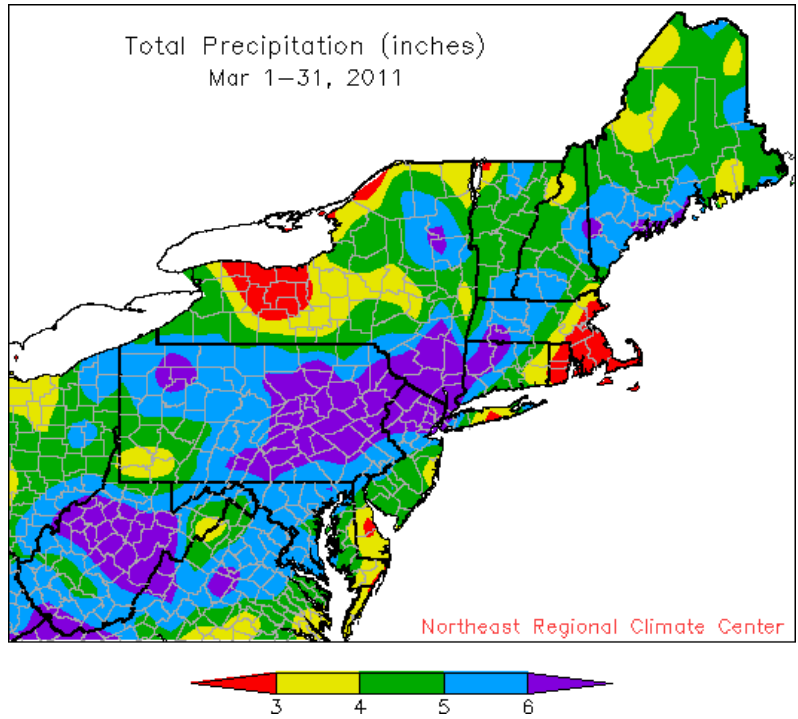
Red line connects record high temperatures.

Light blue line connects record low temperatures.

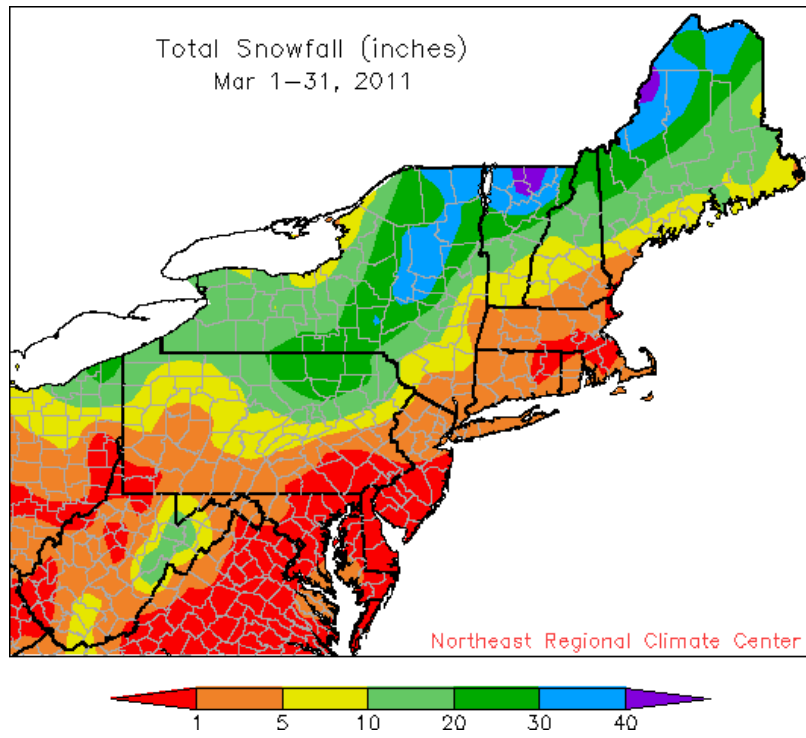
MONTHLY TEMPERATURE MAPS



MONTHLY PRECIPITATION MAPS



MONTHLY SNOWFALL MAPS



PRELIMINARY MONTHLY SUMMARIZED DATA MARCH 2011

| 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 50+ | DAY 32- | MON 32- | DAY 0- | MON TOT | DEPRT | DAYS 0.1+ | DLY MAX | DAY | MON TOT | DLY MAX | | | | | | |
| -DE: NORTHERN- | | | | | | | | | | | | | | | | | | | | | | | |
| BEAR 2 SW | 52.1 | 32.8 | 42.5 | | 76 | 18 | 22 | 29+ | | 17 | 0 | 15 | 0 | | 4.47 | | 5 | 1.37 | 6 | | T | T | |
| WILMINGTON NEW CAS | 51.5 | 33.0 | 42.3 | -0.4 | 76 | 18 | 22 | 3 | | 14 | 0 | 16 | 0 | | 4.05 | 0.08 | 6 | 1.29 | 10 | | T | T | |
| WILMINGTON PORTER R | 49.7 | 33.4 | 41.6 | | 73 | 18 | 21 | 3 | | 14 | 0 | 15 | 0 | | 4.88 | | 7 | 1.55 | 10 | | 0 | | |
| -DIVISION- | | | 42.1 | -0.6 | | | | | | | | | | | 4.47 | 0.36 | | | | | 0 | | |
| -DE: SOUTHERN- | | | | | | | | | | | | | | | | | | | | | | | |
| DOVER | 55.7 | 35.1 | 45.4 | -0.0 | 76 | 19+ | 23 | 3 | | 23 | 0 | 10 | 0 | | 3.16 | -1.24 | 7 | 1.04 | 6 | | NM | | |
| -DIVISION- | | | 45.4 | 1.0 | | | | | | | | | | | 3.16 | -1.24 | | | | | | | |
| -STATE- | | | 44.7 | 0.6 | | | | | | | | | | | 3.45 | -0.89 | | | | | 0 | | |
| -MD: SOUTHEASTERN- | | | | | | | | | | | | | | | | | | | | | | | |
| SALISBURY WICOMICO | 54.1 | 35.5 | 44.8 | -0.7 | 79 | 18 | 24 | 4 | | 21 | 0 | 12 | 0 | | 3.53 | -1.09 | 7 | 1.10 | 6 | | | | |
| -DIVISION- | | | 44.8 | -0.5 | | | | | | | | | | | 3.53 | -0.95 | | | | | | | |
| -MD: CENTRAL EAST- | | | 45.2 | | | | | | | | | | | | 4.63 | | | | | | | | |
| -DIVISION- | | | | | | | | | | | | | | | | | | | | | | | |
| -MD: LOWER SOUTHE- | | | | | | | | | | | | | | | | | | | | | | | |
| MECHANICSVILLE 5 N | 55.8 | 32.8 | 44.3 | -1.9 | 80 | 19 | 25 | 9+ | | 23 | 0 | 15 | 0 | | 6.07 | 1.44 | 10 | 1.34 | 7 | | | | |
| SOLOMONS | 53.5 | 38.4 | 46.0 | | 80 | 19 | 29 | 27+ | | 20 | 0 | 3 | 0 | | 5.94 | | 12 | 1.80 | 7 | | 1.9 | 1.9 | 27 |
| -DIVISION- | | | 45.2 | 0.0 | | | | | | | | | | | 6.01 | 1.70 | | | | | 1.9 | | |
| -MD: UPPER SOUTHE- | | | | | | | | | | | | | | | | | | | | | | | |
| BALTIMORE WASH INT | 53.7 | 35.0 | 44.3 | 0.6 | 81 | 18 | 25 | 3 | | 18 | 0 | 12 | 0 | | 4.99 | 1.06 | 7 | 2.61 | 10 | | T | T | |
| BELTSVILLE | 54.2 | 34.5 | 44.3 | 0.5 | 79 | 19 | 25 | 28+ | | 20 | 0 | 13 | 0 | | 4.74 | 0.87 | 8 | 1.32 | 7 | | 0 | | |
| DALECARLIA RSVR | 56.4 | 34.9 | 45.6 | -0.1 | 79 | 19 | 25 | 4+ | | 25 | 0 | 13 | 0 | | 6.62 | 2.49 | 9 | 2.00 | 7 | | 0 | | |
| BALTIMORE DOWNTOWN | 54.7 | 39.4 | 47.1 | | 82 | 18 | 26 | 3 | | 17 | 0 | 1 | 0 | | 5.26 | | 7 | 2.83 | 10 | | NM | | |
| NATL ARBORETUM DC* | 57.9 | 34.9 | 46.4 | 2.0 | 82 | 19 | 26 | 28+ | | | | | | | | | | | | | | | |
| OXON HILL | 56.4 | 35.6 | 46.0 | | 79 | 19 | 26 | 4+ | | 24 | 0 | 11 | 0 | | 5.81 | | 9 | 1.41 | 7 | | 0.3 | 0.3 | 27 |
| -DIVISION- | | | 45.6 | 1.1 | | | | | | | | | | | 5.48 | 1.46 | | | | | 0.1 | | |
| -MD: NORTHEASTERN- | | | | | | | | | | | | | | | | | | | | | | | |
| STEVENSVILLE | 52.7 | 37.1 | 44.9 | | 76 | 19 | 27 | 4+ | | 19 | 0 | 6 | 0 | | 4.58 | | 9 | 1.13 | 11 | | T | T | |
| -DIVISION- | | | 44.9 | 1.1 | | | | | | | | | | | 4.58 | 0.46 | | | | | 0 | | |
| -MD: NORTHERN CEN- | | | | | | | | | | | | | | | | | | | | | | | |
| ABERDEEN PHILLIPS | 53.1 | 33.4 | 43.3 | -1.5 | 79 | 19 | 24 | 4+ | | 18 | 0 | 14 | 0 | | | | | | | | | | |
| CONOWINGO DAM | | | | | | | | | | | | | | | 7.09 | 2.93 | 10 | 2.25 | 7 | | | | |
| CYLBURN | 51.5 | 32.7 | 42.1 | | 78 | 19 | 21 | 4+ | | 15 | 0 | 17 | 0 | | | | | | | | NM | | |
| DAMASCUS | 52.0 | 33.9 | 42.9 | | 78 | 18 | 20 | 3 | | 14 | 0 | 14 | 0 | | 5.22 | | 8 | 2.10 | 6 | | 0.9 | 0.9 | 7 |
| EMMITSBURG 2 SE | 52.2 | 31.3 | 41.7 | -1.3 | 79 | 19 | 20 | 4+ | | 17 | 0 | 19 | 0 | | 6.33 | 2.38 | 10 | 2.00 | 7 | | | | |
| MILLERS 4 NE | 52.1 | 31.8 | 42.0 | 0.3 | 77 | 18 | 17 | 3 | | 18 | 0 | 17 | 0 | | 6.31 | 2.54 | 9 | 2.39 | 10 | | 1.5 | 1.0 | 31 |
| WESTMINSTER POL BR | 50.8 | 31.4 | 41.1 | -1.9 | 78 | 19 | 19 | 4+ | | 14 | 0 | 18 | 0 | | 5.54 | 1.98 | 9 | 1.77 | 11 | | | | |
| -DIVISION- | | | 42.2 | -0.5 | | | | | | | | | | | 5.85 | 1.82 | | | | | 1.2 | | |
| -MD: APPALACHIAN - | | | | | | | | | | | | | | | | | | | | | | | |
| CUMBERLAND 2 | 55.9 | 31.4 | 43.7 | 1.0 | 76 | 22+ | 19 | 4+ | | 22 | 0 | 18 | 0 | | 5.07 | 1.77 | 10 | 1.49 | 10 | | | | |
| FROSTBURG 2 | 47.1 | 25.5 | 36.3 | 1.0 | 70 | 19 | 13 | 4+ | | 10 | 0 | 25 | 0 | | 6.80 | 2.96 | 10 | 2.10 | 10 | | | | |
| SHARPSBURG 5 S | 53.5 | 29.7 | 41.6 | | 80 | 19 | 20 | 4+ | | 18 | 0 | 19 | 0 | | 5.78 | | 9 | 1.97 | 7 | | | | |
| WILLIAMSPORT | 54.0 | 28.6 | 41.3 | | 78 | 21 | 18 | 4+ | | 20 | 0 | 21 | 0 | | 5.67 | | 10 | 1.55 | 7 | | | | |
| -DIVISION- | | | 40.7 | 0.1 | | | | | | | | | | | 5.83 | 2.41 | | | | | | | |
| -MD: ALLEGHENY PL- | | | | | | | | | | | | | | | | | | | | | | | |
| OAKLAND 1 SE | 46.8 | 25.9 | 36.3 | -1.6 | 67 | 24 | 13 | 3 | | 11 | 0 | 24 | 0 | | 5.19 | 1.24 | 11 | 1.23 | 6 | | 9.1 | 5.4 | 7 |
| SAVAGE RIVER DAM * | 47.2 | 27.7 | 37.4 | 0.3 | 67 | 22 | 18 | 4+ | | | | | | | 5.23 | 1.95 | 11 | 1.32 | 10 | | | | |
| KITZMILLER 1 W | 48.6 | 30.0 | 39.3 | | 70 | 19 | 20 | 4+ | | 12 | 0 | 18 | 0 | | | | | | | | NM | | |
| -DIVISION- | | | 37.7 | 0.7 | | | | | | | | | | | 5.21 | 1.34 | | | | | 9.1 | | |
| -STATE- | | | 43.2 | 0.0 | | | | | | | | | | | 5.28 | 1.19 | | | | | 1.2 | | |
| -NJ: NORTHERN- | | | | | | | | | | | | | | | | | | | | | | | |
| BELVIDERE BRG | 47.7 | 26.1 | 36.9 | -1.0 | 75 | 19 | 16 | 3 | | 12 | 0 | 23 | 0 | | 5.51 | 1.88 | 8 | 1.94 | 7 | | 1.5 | 0.8 | 21 |
| BOONTON 1 SE | 49.5 | 30.4 | 39.9 | 1.0 | 75 | 19 | 18 | 4+ | | 14 | 0 | 21 | 0 | | | | | | | | | | |
| BOUND BROOK 2 W | 49.3 | 33.6 | 41.4 | | 75 | 19 | 20 | 3 | | 15 | 0 | 13 | 0 | | 6.08 | 2.29 | 9 | 2.15 | 7 | | | | |
| CHARLOTTEBURG RSVR | 46.0 | 27.6 | 36.8 | -0.1 | 72 | 19 | 14 | 4+ | | 10 | 1 | 23 | 0 | | 10.67 | 6.11 | 10 | 5.05 | 11 | | | | |

| STATION | TEMPERATURE (F) | | | | | | | | | PRECIPITATION (INCHES) | | | | | | | | | | | | | |
|--------------------------|------------------|------|------|-------|----------|-----|-----|----------------|------|------------------------|----------------|-----|-----|----------|-------|----------|------|-----|-----|-----|-----|-----|--|
| | MONTHLY AVERAGES | | | | EXTREMES | | | NUMBER OF DAYS | | | MONTHLY TOTALS | | | EXTREMES | | SNOWFALL | | | | | | | |
| | AVG | AVG | MON | DEPRT | MON | DAY | MON | DAY | MAX | MIN | 50+ | 32- | 32- | 0- | MON | DEPRT | DAYS | DLY | DAY | MON | DLY | DAY | |
| MAX | MIN | AVG | | MAX | MIN | | | | | | | | | TOT | | 0.1+ | MAX | | TOT | MAX | | | |
| CHATHAM 2 W * | 51.0 | 26.8 | 38.5 | | 79 | 19 | 15 | 4+ | | | | | | | | | | | | | | | |
| CRANFORD | 49.2 | 33.2 | 41.2 | 1.1 | 79 | 19 | 19 | 3 | 14 | 0 | 15 | 0 | | 6.80 | 2.62 | 8 | 2.46 | 7 | | 5.9 | 3.7 | 23 | |
| FLEMINGTON 5 NNW | 49.1 | 29.2 | 39.2 | 0.2 | 77 | 19 | 17 | 3 | 14 | 0 | 24 | 0 | | 7.81 | 3.78 | 10 | 2.53 | 7 | | | | | |
| HARRISON | 50.3 | 32.4 | 41.3 | | 77 | 19 | 19 | 4+ | 17 | 0 | 16 | 0 | | 6.71 | | 8 | 2.21 | 7 | | | | | |
| LAMBERTVILLE | | | | | | | | | | | | | | 4.44 | 0.22 | 7 | 2.22 | 7 | | NM | | | |
| NEWARK INTL AP | 52.0 | 35.1 | 43.6 | 1.4 | 80 | 18 | 22 | 3 | 15 | 0 | 12 | 0 | | 5.84 | 1.63 | 6 | 1.89 | 6 | | | | | |
| PHILLIPSBURG EAST* | 50.5 | 29.7 | 40.1 | | 77 | 19 | 18 | 3 | | | | | | | | | | | | | | | |
| PLAINFIELD | 50.6 | 32.5 | 41.5 | -0.1 | 79 | 18 | 18 | 2 | 16 | 0 | 16 | 0 | | 3.56 | -0.54 | 3 | 2.10 | 6 | | NM | | | |
| POTTERSVILLE 2 NNW | 48.2 | 30.7 | 39.5 | | 74 | 19 | 20 | 4+ | 13 | 0 | 20 | 0 | | 7.83 | 3.81 | 10 | 3.05 | 7 | | 6.0 | 2.5 | 23 | |
| SUSSEX 2 NW * | 46.4 | 27.0 | 36.7 | 0.3 | 74 | 19 | 14 | 4+ | | | | | | | | | | | | | | | |
| WANAQUE RAYMOND DA WAYNE | 48.5 | 32.4 | 40.5 | | 70 | 19 | 20 | 4+ | 14 | 1 | 17 | 0 | | 7.14 | | 6 | 3.00 | 11 | | 0 | | | |
| WERTSVILLE 4 NE | 49.2 | 29.0 | 39.1 | | 78 | 19 | 17 | 3 | 14 | 0 | 24 | 0 | | 6.07 | 2.50 | 10 | 2.05 | 7 | | | | | |
| -NJ: NORTHERN- | | | | | | | | | | | | | | | | | | | | | | | |
| RIEGELSVILLE | | | | | | | | | | | | | | 4.47 | | 8 | 2.14 | 7 | | | | | |
| TOCKS ISLAND | 47.0 | 28.7 | 37.9 | | 75 | 19 | 17 | 4+ | 9 | 0 | 22 | 0 | | | | | | | | NM | | | |
| -DIVISION- | | | 39.6 | 0.5 | | | | | | | | | | 6.73 | 2.61 | | | | | 3.4 | | | |
| -NJ: SOUTHERN- | | | | | | | | | | | | | | | | | | | | | | | |
| ATLANTIC CITY INTL | 52.3 | 33.2 | 42.7 | 0.9 | 77 | 18 | 22 | 4+ | 17 | 0 | 16 | 0 | | 4.52 | 0.46 | 7 | 1.19 | 6 | | T | T | | |
| ESTELL MANOR | 54.7 | 30.8 | 42.8 | | 77 | 19 | 19 | 28 | 23 | 0 | 19 | 0 | | 5.29 | | 6 | 1.45 | 7 | | T | T | | |
| FREEHOLD MARLBORO | 51.9 | 32.4 | 42.1 | 1.4 | 77 | 19 | 19 | 3 | 19 | 0 | 17 | 0 | | 5.30 | 1.08 | 7 | 1.86 | 7 | | | | | |
| HAMMONTON 1 NE | 52.7 | 32.3 | 42.5 | 0.4 | 75 | 19 | 22 | 4 | 21 | 0 | 18 | 0 | | 5.59 | 1.68 | 7 | 1.42 | 7 | | 0 | | | |
| HIGHTSTOWN 2 W | 51.7 | 30.7 | 41.2 | 0.5 | 79 | 19 | 19 | 3 | 19 | 0 | 23 | 0 | | 5.33 | 1.38 | 6 | 2.13 | 7 | | 0.5 | 0.5 | 23 | |
| INDIAN MILLS | 51.4 | 29.6 | 40.5 | -2.3 | 74 | 18 | 16 | 4 | 18 | 0 | 20 | 0 | | 3.75 | -0.63 | 7 | 1.31 | 11 | | 0 | | | |
| MILLVILLE MUNI AP* | 52.4 | 32.1 | 42.2 | -0.5 | 75 | 18 | 20 | 29+ | | | | | | | | | | | | NM | | | |
| MOORESTOWN | 54.1 | 32.2 | 43.1 | -0.5 | 76 | 19+ | 20 | 20 | 22 | 0 | 16 | 0 | | 4.91 | 0.74 | 8 | 1.30 | 7 | | NM | | | |
| NEW BRUNSWICK 3 S* | 51.7 | 31.3 | 41.5 | 0.9 | 80 | 19 | 19 | 3 | | | | | | | | | | | | | | | |
| SEABROOK FARMS | 53.2 | 34.7 | 44.0 | 1.3 | 76 | 19 | 22 | 3 | 21 | 0 | 14 | 0 | | 5.15 | 0.82 | 7 | 1.53 | 11 | | 0 | | | |
| SOMERDALE 4 SW | 51.4 | 29.8 | 40.6 | | 74 | 19 | 18 | 3 | 19 | 0 | 21 | 0 | | 5.11 | | 7 | 1.81 | 7 | | | | | |
| TOMS RIVER * | 50.1 | 31.8 | 40.9 | -0.0 | 77 | 18 | 20 | 3 | 2.77 | -1.57 | 4 | | | 2.77 | -1.57 | 4 | 1.27 | 10 | | 0 | | | |
| TRENTON MERCER CO | 51.7 | 34.1 | 42.9 | | 80 | 18 | 21 | 3 | 17 | 0 | 15 | 0 | | 4.66 | | 8 | 1.77 | 6 | | NM | | | |
| PHILADELPHIA MT HO | 51.9 | 32.0 | 41.9 | | 76 | 19 | 20 | 3 | 18 | 0 | 20 | 0 | | 5.21 | | 6 | 2.28 | 7 | | T | T | | |
| -DIVISION- | | | 42.1 | -0.0 | | | | | | | | | | 4.80 | 0.56 | | | | | 0.1 | | | |
| -NJ: COASTAL- | | | | | | | | | | | | | | | | | | | | | | | |
| ATLANTIC CITY | 49.1 | 36.5 | 42.8 | -0.5 | 74 | 19 | 25 | 4+ | 15 | 0 | 7 | 0 | | 3.94 | 0.15 | 7 | 0.78 | 16 | | NM | | | |
| BRANT BEACH HVN * | 48.3 | 34.4 | 41.4 | | 58 | 1 | 22 | 4+ | | | | | | | | | | | | NM | | | |
| CAPE MAY 2 NW | 51.4 | 36.1 | 43.8 | 1.0 | 76 | 18 | 23 | 3 | 16 | 0 | 11 | 0 | | 3.61 | -0.57 | 8 | 0.89 | 10 | | T | T | | |
| -DIVISION- | | | 42.7 | 0.7 | | | | | | | | | | 3.77 | -0.26 | | | | | 0 | | | |
| -STATE- | | | 41.2 | 0.2 | | | | | | | | | | 5.43 | 1.25 | | | | | 1.3 | | | |

*= 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 1971-2000. 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 MARCH 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 | 689 | | 4479 | | 0 | | 0 | | 20 | | 20 | |
| WILMINGTON NEW CAST | 697 | 10 | 4459 | 94 | 0 | -2 | 0 | -2 | 17 | -21 | 17 | -21 |
| WILMINGTON PORTER RS | 720 | | | | 0 | | | | 15 | | 15 | |
| -DE: SOUTHERN- | | | | | | | | | | | | |
| DOVER | 599 | -9 | 4005 | 216 | 0 | 0 | 0 | 0 | 36 | -5 | 36 | -5 |
| -MD: SOUTHEASTERN SHORE- | | | | | | | | | | | | |
| SALISBURY WICOMICO | 616 | 11 | 4073 | 255 | 0 | 0 | 0 | 0 | 41 | 5 | 41 | 5 |
| -MD: CENTRAL EASTERN SHORE- | | | | | | | | | | | | |
| -MD: CENTRAL EASTERN SHORE- | | | | | | | | | | | | |
| -MD: LOWER SOUTHERN- | | | | | | | | | | | | |
| MECHANICSVILLE 5 NE | 636 | 52 | 4334 | 434 | 1 | 1 | 1 | 1 | 33 | -14 | 33 | -14 |
| SOLOMONS | 585 | | | | 2 | | | | 40 | | 40 | |
| -MD: UPPER SOUTHERN- | | | | | | | | | | | | |
| BALTIMORE WASH INTL | 636 | -12 | 4222 | -13 | 0 | -4 | 0 | -4 | 36 | -15 | 36 | -15 |
| BELTSVILLE | 632 | -27 | 4243 | 17 | 0 | 0 | 0 | 0 | 35 | 2 | 35 | 2 |
| DALECARLIA RSVR | 592 | -9 | 4234 | 234 | 0 | 0 | 0 | 0 | 37 | -9 | 37 | -9 |
| BALTIMORE DOWNTOWN | 548 | | 3696 | | 2 | | 2 | | 57 | | 57 | |
| OXON HILL | 582 | | | | 1 | | | | 42 | | 42 | |
| -MD: NORTHEASTERN SHORE- | | | | | | | | | | | | |
| STEVENSVILLE | 614 | | | | 0 | | 0 | | 33 | | 33 | |
| -MD: NORTHERN CENTRAL- | | | | | | | | | | | | |
| ABERDEEN PHILLIPS F | 667 | 40 | | | 0 | 0 | | | 24 | -10 | 24 | -10 |
| CYLBURN | 700 | | 4651 | | 0 | | 0 | | 21 | | 21 | |
| DAMASCUS | 676 | | | | 0 | | | | 31 | | 31 | |
| EMMITSBURG 2 SE | 714 | 30 | 4823 | 311 | 0 | 0 | 0 | 0 | 19 | -12 | 19 | -12 |
| MILLERS 4 NE | 710 | -15 | 4702 | 113 | 0 | 0 | 0 | 0 | 28 | 7 | 28 | 7 |
| WESTMINSTER POL BRK | 731 | 46 | | | 0 | 0 | | | 19 | -10 | 19 | -10 |
| -MD: APPALACHIAN MOUNTAIN- | | | | | | | | | | | | |
| CUMBERLAND 2 | 653 | -40 | | | 0 | 0 | | | 37 | 8 | 37 | 8 |
| FROSTBURG 2 | 882 | -37 | | | 0 | 0 | | | 6 | -3 | 6 | -3 |
| SHARPSBURG 5 S | 718 | | | | 0 | | | | 23 | | 23 | |
| WILLIAMSPORT | 729 | | | | 0 | | 0 | | 15 | | 15 | |
| -MD: ALLEGHENY PLATEAU- | | | | | | | | | | | | |
| OAKLAND 1 SE | 880 | 40 | 5997 | 504 | 0 | 0 | 0 | 0 | 4 | -11 | 4 | -11 |
| KITZMILLER 1 W | 787 | | 5342 | | 0 | | 0 | | 15 | | 15 | |
| -NJ: NORTHERN- | | | | | | | | | | | | |
| BELVIDERE BRG | 865 | 23 | 5430 | 150 | 0 | 0 | 0 | 0 | 9 | 2 | 9 | 2 |
| BOONTON 1 SE | 771 | -38 | | | 0 | 0 | 0 | 0 | 14 | 6 | 14 | 6 |
| BOUND BROOK 2 W | 723 | | | | 0 | | 0 | | 19 | | 19 | |
| CHARLOTTEBURG RSVR | 866 | -7 | | | 0 | 0 | | | 7 | 5 | 7 | 5 |
| CRANFORD | 731 | -41 | | | 0 | 0 | 0 | 0 | 17 | 3 | 17 | 3 |
| FLEMINGTON 5 NNW | 794 | -14 | | | 0 | 0 | | | 16 | 6 | 16 | 6 |

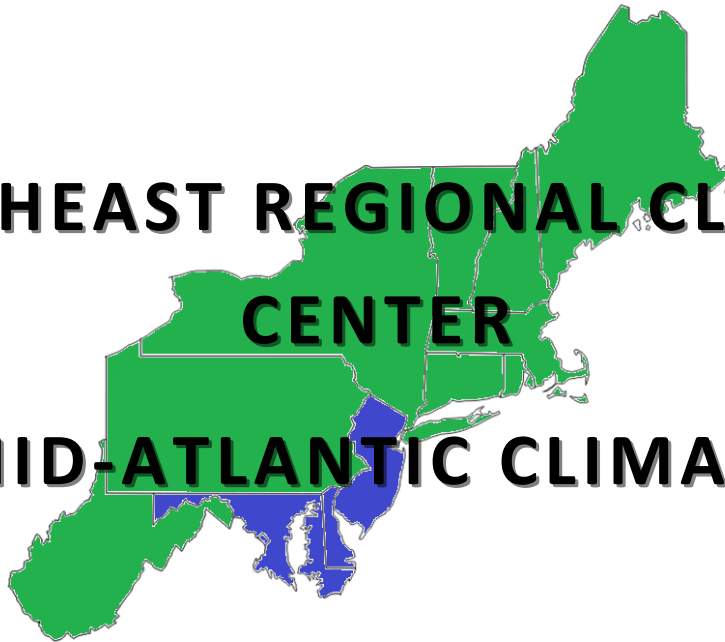
| STATION | HEATING DEGREE DAYS (BASE 65) | | | | COOLING DEGREE DAYS (BASE 65) | | | | GROWING DEGREE DAYS (BASE 50) | | | |
|---------------------|-------------------------------|-------|--------|--------|-------------------------------|-------|--------|--------|-------------------------------|-------|--------|--------|
| | MONTH | MONTH | SEASON | SEASON | MONTH | MONTH | SEASON | SEASON | MONTH | MONTH | SEASON | SEASON |
| HARRISON | 724 | | 4505 | | 0 | | 0 | | 21 | | 21 | |
| NEWARK INTL AP | 659 | -38 | 4272 | -57 | 0 | -2 | 0 | -2 | 30 | -6 | 30 | -6 |
| PLAINFIELD | 719 | -8 | | | 0 | 0 | | | 27 | 9 | 27 | 9 |
| POTTERSVILLE 2 NNW | 784 | | 5037 | | 0 | | 0 | | 10 | | 10 | |
| WAYNE | 756 | | | | 0 | | 0 | | 14 | | 14 | |
| WERTSVILLE 4 NE | 794 | | | | 0 | | | | 13 | | 13 | |
| TOCKS ISLAND | 833 | | 5274 | | 0 | | 0 | | 9 | | 9 | |
| -NJ: SOUTHERN- | | | | | | | | | | | | |
| ATLANTIC CITY INTL | 682 | -43 | 4310 | -147 | 0 | -1 | 0 | -1 | 25 | -6 | 25 | -6 |
| ESTELL MANOR | 682 | | 4446 | | 0 | | 0 | | 28 | | 28 | |
| FREEHOLD MARLBORO | 700 | -56 | | | 0 | 0 | | | 24 | 11 | 24 | 11 |
| HAMMONTON 1 NE | 690 | -23 | | | 0 | 0 | 0 | 0 | 20 | 2 | 20 | 2 |
| HIGHTSTOWN 2 W | 727 | -28 | | | 0 | 0 | | | 23 | 10 | 23 | 10 |
| INDIAN MILLS | 753 | 64 | 4635 | 287 | 0 | 0 | 0 | 0 | 25 | 3 | 25 | 3 |
| MOORESTOWN | 669 | 6 | | | 0 | 0 | | | 25 | -4 | 25 | -4 |
| SEABROOK FARMS | 644 | -49 | 4214 | -103 | 0 | 0 | 0 | 0 | 28 | 5 | 28 | 5 |
| SOMERDALE 4 SW | 750 | | 4976 | | 0 | | 0 | | 17 | | 17 | |
| TRENTON MERCER CO A | 680 | | 4441 | | 0 | | 0 | | 26 | | 26 | |
| PHILADELPHIA MT HOL | 707 | | 4783 | | 0 | | 0 | | 23 | | 23 | |
| -NJ: COASTAL- | | | | | | | | | | | | |
| ATLANTIC CITY | 682 | 8 | 4019 | 133 | 0 | 0 | 0 | 0 | 15 | -2 | 15 | -2 |
| -NJ: COASTAL- | | | | | | | | | | | | |
| CAPE MAY 2 NW | 654 | -35 | 4100 | 63 | 0 | 0 | 0 | 0 | 16 | 2 | 16 | 2 |

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 1971 - 2000 mean.
These data are considered preliminary, published data from the National Climatic Data Center may differ somewhat from the values shown here.

NORTHEAST REGIONAL CLIMATE

CENTER

MID-ATLANTIC CLIMATE



**Northeast
Regional
Climate
Center**



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Cornell University
Ithaca, NY 14853-1901