



WEATHERWORKS

THE WEATHER TRACKER

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No Big Attention Grabber in May

In sharp contrast to the last four months, there was no one big weather event this past May. While January featured a cold snap, and February, March and April each had one big nor'easter, May was a rather quiet weather month.

As was generally expected, temperatures averaged out close to normal this month. Temperatures started out seasonably cool, but summer-like readings arrived to close out the month. Also as was widely forecasted, rainfall was less than normal, primarily due to a large ridge of high pressure that was in place for a large portion of the month. Lastly, mother nature did not leave behind any white surprises in May, completely ending snow threats for the area until the upcoming fall.

The two biggest weather events of the month were a strong cold front passage on the 16th and the big warm up to finish up the month. The cold front that crossed the region on the 16th brought temperatures that had been well into the 80s back into the 60s and 70s, ending the region's first taste of summer. When the front crossed the area, there was some degree of instability which led to some locally severe thunderstorms. The biggest threat posed by these thunderstorms were locally strong winds. There were a number of reports of wind gusts in excess of 60mph particularly in New Jersey. On May 18th and 19th there was a strong coastal storm off the mid-Atlantic Coast, which just brushed the area with a few periods of generally light showers, fur-

ther north and east, a steadier and heavier rain fell.

To close out the month of May, the warmest air yet this year arrived just in time for the Memorial Day Weekend. Temperatures soared well into the 80s, with a few spots touching 90 for the first time in 2007 on the 25th and 26th. There were scattered showers and thunderstorms in the area, mostly for Central New Jersey and points south.



Beachgoers basking in the sun at Point Pleasant Beach, NJ 5/27/07 (Asbury Park Press)

Highest Temps so far in 2007

(thru 5/28)

Baltimore	95	5-26
Newark	92	5-25
Wash, DC	91	5-26
Atl. City	91	5-26
Sussex, NJ	90	5-26
Trenton	89	5-25
Philly	89	5-26
Allentown	89	5-25
Hagerstown	87	5-26
M. Pocono	85	5-25

Beyond Weather: WeatherWorks takes on Global Warming

Likely the most debated subject in Science and Meteorology is global warming. The topic creates a wide range of opinion from the general public and scientists alike. Other industries that depend on the weather are also interested in the concept of global warming.



Click on the image to watch a portion of the "Global Warming - Global Warning?" presentation

On April 19th, meteorologists from [WeatherWorks](#) presented at a forum titled "Global Warming - Global Warning?" at Sussex Community College. Tony Selimo moderated the forum as three meteorologists (Frank Lombardo, Tommy Else and Sean Rowland) from Weather Works presented arguments for and against global warming, along with a neutral position.

Some key points that observers took from the forum is that there is no argument or disputing that world temperatures have increased the last 50-100 years. Also, widely regarded as fact is that CO₂ (a greenhouse gas) levels have

gone up in the last century. However, the main question in the subject is whether the warming is due to the human-induced increase of CO₂ or the warming is a natural variation in the Earth's cycle, caused by other factors.

All three viewpoints provided great information to the audience and further verifies that there is no correct answer on global warming as research in support of both sides continue.

If you are interested in watching the "Global Warming - Global Warning?" forum in it's entirety, please contact Sean Rowland (1-800-427-3456) to obtain a free DVD copy.

June 2007 Preview

Now that Memorial Day weekend has passed, and the calendar reads June, it's almost summertime. Summer does not begin officially until the 21st at 2:06pm, but conditions will continue to feel summer-like at times.

Weather-wise, June is shaping up to be a fairly normal month both in terms of rainfall and temperatures. However, there are indications the first week or so of the month may start off fairly cool, cloudy and showery as a large weather system stays in the Northeast for a few days. This may pro-

vide much needed rain for the area following the relatively dry May. Once this system pulls away, a slightly drier than normal conclusion to the month is expected.

Even though June may not be the hottest month of the year, be sure to take the usual summertime precautions when working outdoors this month.

June 2007 Average Highs		
City	June 1st	June 30th
Plainfield, NJ	78	85
Philadelphia, PA	77	84
Washington, DC	80	87

Protection from the sun is important this time of year. Do not be fooled by temperatures that are frequently in the 70s and 80s as opposed to the 80s and 90s associated with July and August. Remember that the sun is strongest in the Mid-Atlantic States in June!

Also make sure to pay special attention to plants and grasses this month. June is typically the second driest month of the year next to February. This is especially crucial after the dry May and potential for a dry spell in the second half of the month.

Snow Magazine Trade Show - Review



The first annual Snow Industry Exposition and Conference was hosted by Snow Magazine in Indianapolis, Indiana from May 9-11, 2007. In attendance from [WeatherWorks](#) were Frank Lombardo and Kevin Hopler. In addition to the trade show, numerous in-depth educational seminars touched on the hottest topics of the snow and ice

industry. These seminars involved business management, insurance / legal issues, staff training and sales / marketing techniques. This first year conference shows promise for the upcoming years with superb, informative seminars, great information and over 35,000 magazine subscribers.

Frank participated in a panel discussion on Day 1 of the conference called "Large Volume Snow Control". He

touched on topics of media sources and how they are continually encouraged to produce weather forecasts that exceed the limitations of the science. He went on to quote recent research in the American Meteorological Society bulletin which indicates significant inaccuracies in both long range forecasts and in forecasted snow amounts 2-3 days in advance. For more information on next year's show visit [Snow Magazine](#) online.

About the Weather Works Snow Spotter Network

During the winter season, [WeatherWorks](#) maintains the Snow Spotter Network; a dedicated group of school snow spotters. This is used as a means of augmenting and evaluating the various snowfall data that [WeatherWorks](#) receives.

Spotters from high school and middle school science classes all across the Mid-Atlantic and Northeast dutifully report their snowfall measurements and observations on our website

following each snow event.

The service provided by the spotters is invaluable to all the meteorologists on staff in gathering snowfall totals. While school spotters are just one of the many tools used for snowfall verification, the reports are very important to the office. In addition to providing "ground truth" for the CST program, the spotter's reports help us determine the quality of forecasts,

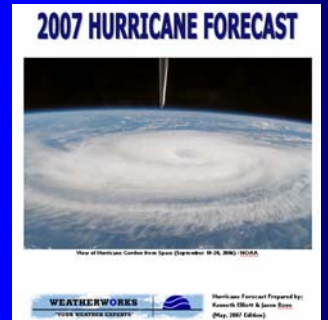
Dozens of schools throughout the area participated during the 2006-2007. We look forward to continuing work with interested science students as their observations aid us in our preparation for CST reports.



Howell HS, one of the participants in the 06-07 Snow Spotter Network

Interested in learning more about the Snow Spotter Network?
Contact Sean Rowland at 1-800-427-3456 or seanrowland@weatherworksinc.com

Website of the Month



The 2007 edition of the *WeatherWorks Atlantic Ocean Hurricane Forecast* (click image to follow link)

How did we do this winter???

Now that the 2006-2007 Winter season is complete, **WeatherWorks** is in preparation for next season's **Winter Services**. We have created a survey available that will provide important feedback to us regarding your service.

Thank you for those who submitted the survey a few months ago, the information was valuable.

Simply click **HERE** to fill out the short five minute survey.

UPCOMING EVENTS

- June 1 Atlantic Hurricane Season Begins
- June 12-17 SIMA Snow & Ice Symposium (Milwaukee, WI)
- June 21 Summer Begins