

## **WINTER STORM SUMMARY FOR DECEMBER 05, 2009 TO DECEMBER 5, 2009 EVENT**

### **Synopsis**

The first winter storm of the year occurred on Saturday, December 5th. On Friday, December 4th, an area of low pressure developed in the Gulf of Mexico, then made its way toward the southeast coast of the US. This low pressure eventually began to move north along the eastern seaboard, while strengthening during the day Saturday. As the low pressure made its way northward, light rain began falling across much of the area early in the morning on Saturday. However, as the low pressure system continued northward, cooler air began to wrap around the system, which eventually began to create a mixture of rain and snow by the late morning hours and into the early afternoon. By the mid-afternoon hours, the rain and snow mixture had changed to all snow for the areas along and north of the I-95 corridor, and remained so through the evening hours. Areas to the south experienced a period of all snow, before mixing back with rain once again during the evening hours. All precipitation eventually came to an end before midnight as the low pressure system moved further away from the area to the northeast.

### **Watches/Warnings/Advisories**

A Winter Weather Advisory was issued at 325 am for the following areas: Warren, Hunterdon, Morris, Somerset, Middlesex, Western Monmouth, Mercer, Salem, Gloucester, Camden, and Northwestern Burlington counties in New Jersey; Berks, Lehigh, Northampton, Chester, Montgomery, Bucks, Delaware, and Philadelphia counties in Pennsylvania; New Castle county in Delaware; and Cecil and Kent counties in Maryland. At 12:45 pm, a Winter Weather Advisory was issued for the following areas: Sussex county, New Jersey; Carbon and Monroe counties in Pennsylvania; and Queen Annes county in Maryland. The Winter Weather Advisory was canceled at 1040 pm.

### **Precipitation/Temperatures/Winds**

Liquid equivalent precipitation amounts averaged around one half to three quarters of an inch, with some higher amounts of around an inch closer to the coast, and some amounts around one quarter of an inch for some areas north and west of Philadelphia. Snowfall had a wide range as well. Areas along and south of the I-95 corridor experienced around an inch or less, with some areas like Philadelphia International receiving only a trace of snowfall. Snowfall amounts rose quickly and varied farther north and west of Philadelphia. There was a very narrow band of 1 to 2 inches of snowfall, but an extensive area of 2 to 4 inches extending from Chester county Pennsylvania, through Morris county New Jersey and points further north. There was even a small area near the borders of Berks, Lehigh, Bucks, and Montgomery that received isolated amounts of 6 inches or greater. Some of the higher elevations in Monroe county Pennsylvania and Sussex county New Jersey received even more snow, around 7 to 8 inches. Temperatures were in the low to mid 30s for much of the event, even with the snow falling. At times temperatures fell close to 30 degrees during periods of heavy snow, and eventually dropped into the 20s for many areas, overnight as skies cleared out toward morning. Winds were not much of a problem for this event, but there were some gusts around 25 to 30 mph.

### **Significant Impacts/Aspects**

No major impacts or problems were reported other than the usual slippery roads and traffic accidents that comes with wintry precipitation.

### **Notes**

Information contained in this summary is preliminary. More complete and/or detailed information may be contained in subsequent monthly NOAA storm data publications.

NOUS41 KPHI 060932

PNSPHI

DEZ001>004-MDZ008-012-015-019-020-NJZ001-007>010-012>027-PAZ054-055-060>062-067>071-062130-

PUBLIC INFORMATION STATEMENT

SPOTTER REPORTS

NATIONAL WEATHER SERVICE MOUNT HOLLY NJ

432 AM EST SUN DEC 6 2009

THE FOLLOWING ARE UNOFFICIAL OBSERVATIONS TAKEN DURING THE PAST 24 HOURS FOR THE STORM THAT HAS BEEN AFFECTING OUR REGION. APPRECIATION IS EXTENDED TO HIGHWAY DEPARTMENTS...COOPERATIVE OBSERVERS...SKYWARN SPOTTERS AND MEDIA FOR THESE REPORTS. THIS SUMMARY IS ALSO AVAILABLE ON OUR HOME PAGE AT WEATHER.GOV/PHI

\*\*\*\*\*STORM TOTAL SNOWFALL\*\*\*\*\*

LOCATION	STORM TOTAL	TIME/DATE	COMMENTS
	SNOWFALL	OF	
	(INCHES)	MEASUREMENT	

DELAWARE

...NEW CASTLE COUNTY...

BEAR	1.0	700 PM	12/5
WILMINGTON AIRPORT	1.0	700 PM	12/5
HOCKESSIN	0.3	855 PM	12/5

...SUSSEX COUNTY...

SELBYVILLE	0.5	855 PM	12/5
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NEW JERSEY

...ATLANTIC COUNTY...

ATLANTIC CITY AIRPORT	0.3	1200 AM	12/6
PLEASANTVILLE	0.3	1200 AM	12/6

...BURLINGTON COUNTY...

MOUNT HOLLY NWS	0.8	1200 AM	12/6
MOUNT LAUREL	0.8	1040 PM	12/5
DELRAN	0.7	800 PM	12/5

SOUTHAMPTON	0.4	1030	PM	12/5
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...CAPE MAY COUNTY...

CAPE MAY	T	1205	AM	12/6
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...GLOUCESTER COUNTY...

NATIONAL PARK	T	700	PM	12/5
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...HUNTERDON COUNTY...

CLINTON		2.3	1000	PM	12/5
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...MERCER COUNTY...

EAST WINDSOR		2.0	800	PM	12/5
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HOPEWELL		2.0	1015	PM	12/5
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EWING		1.0	1005	PM	12/5
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...MIDDLESEX COUNTY...

SOUTH BRUNSWICK		2.8	800	PM	12/5
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EDISON		2.0	800	PM	12/5
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...MONMOUTH COUNTY...

MILLSTONE TOWNSHIP		2.1	1200	AM	12/6
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...MORRIS COUNTY...

MARCELLA		6.1	1220	AM	12/6
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RANDOLPH		4.5	730	PM	12/5
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WHIPPANY		1.2	920	PM	12/5
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ROCKAWAY		1.0	430	PM	12/5
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...SOMERSET COUNTY...

LIBERTY CORNER		1.7	830	PM	12/5
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HILLSBOROUGH		1.4	1050	PM	12/5
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...SUSSEX COUNTY...

SPARTA		8.0	800	PM	12/5
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NEWTON		7.0	800	PM	12/5
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WANTAGE		6.6	845	PM	12/5
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GLENWOOD		5.0	1040	PM	12/5
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HARDYSTON		4.0	715	PM	12/5
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VERNON		4.0	500	PM	12/5
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...WARREN COUNTY...

BLAIRSTOWN		4.5	930	PM	12/5
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HACKETTSTOWN		4.1	800	PM	12/5
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LIBERTY TOWNSHIP		1.7	830	PM	12/5
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PENNSYLVANIA

...BERKS COUNTY...

MOHNTON	5.5	830	PM	12/5
FREDERICKSVILLE	4.0	430	PM	12/5
MERTZTOWN	1.0	530	PM	12/5

...BUCKS COUNTY...

SPRINGTOWN	6.0	700	PM	12/5
PERKASIE	4.0	900	PM	12/5
FRICKS	2.5	830	PM	12/5
FURLONG	1.0	1200	AM	12/6
MORRISVILLE	1.0	815	PM	12/5

...CARBON COUNTY...

CHRISTMANS	5.0	700	PM	12/5
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...CHESTER COUNTY...

EAST NANTMEAL	5.0	830	PM	12/5
WAYNE	4.0	830	PM	12/5
EXTON	3.3	830	PM	12/5
WEST CALN	3.3	840	PM	12/5

...DELAWARE COUNTY...

DREXEL HILL	0.5	830	PM	12/5
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...LEHIGH COUNTY...

ZIONSVILLE	6.5	900	PM	12/5
BREINIGSVILLE	5.0	645	PM	12/5
SCHNECKSVILLE	4.0	600	PM	12/5
EMMAUS	3.8	930	PM	12/5
ALLENTOWN AIRPORT	3.7	1200	AM	12/6

...MONROE COUNTY...

TOBYHANNA	6.5	1030	PM	12/5
STROUDSBURG	2.9	1240	AM	12/6

...MONTGOMERY COUNTY...

ROYERSFORD	3.5	908	PM	12/5
SOUDERTON	2.9	719	PM	12/5
MONTGOMERYVILLE	2.4	1000	PM	12/5
EAGLEVILLE	2.0	800	PM	12/5
ABINGTON	1.3	840	PM	12/5
WYNNEWOOD	0.8	800	PM	12/5

...NORTHAMPTON COUNTY...

WALNUTPORT	4.0	651	PM	12/5
BETHLEHEM	3.3	900	PM	12/5

...PHILADELPHIA COUNTY...

SOMERTON	1.0	900 PM	12/5
PHILADELPHIA INTL ARPT	T	700 PM	12/5