

WINTER STORM SUMMARY FOR JANUARY 30, 2010 EVENT

Synopsis

High pressure was in place over the region as a low pressure system developed on a frontal boundary along the Gulf Coast on Friday January 29th. This low then tracked northeastward, settling off the North Carolina coast on Saturday January 30th. The low began to intensify as it continued to move east and further offshore Saturday and Saturday night. With a good deal of arctic air already in place, snow began to fall across mainly the southern areas late Saturday morning and spreading northward through the afternoon and finally ending late Saturday night as the low pushed farther away from the middle Atlantic coast.

Watches/Warnings/Advisories

A Winter Weather Advisory was issued at 300 PM on Friday January 29th for Sussex County and the nearby coastal areas in Delaware and Talbot and Caroline Counties in Maryland. A Winter Storm Warning was issued at 416 AM on Saturday January 30th for Kent and Sussex Counties and the nearby coastal areas in Delaware; Kent, Queen Annes, Talbot and Caroline Counties in Maryland and Cape May County and the nearby coastal areas in New Jersey. Also, a Winter Weather Advisory was issued at 416 AM for New Castle County in Delaware, Cecil County in Maryland, and Salem, Gloucester, Camden, Ocean, Cumberland, Atlantic and Southeastern Burlington Counties and the nearby coastal areas in New Jersey. At 500 PM, the advisory was upgraded to a warning for New Castle County in Delaware, Cecil County in Maryland and Cumberland and Atlantic Counties and the nearby coastal areas in New Jersey.

At 634 PM the advisory was upgraded to a warning for Salem, Gloucester, Ocean and Southeastern Burlington Counties in New Jersey. Also, a Winter Weather Advisory was issued at 634 PM for Northwestern Burlington County in New Jersey and Chester, Delaware, Montgomery and Philadelphia Counties in Pennsylvania. At 1224 AM on Sunday January 31st, the Winter Storm Warning was cancelled for New Castle County in Delaware, Cecil and Kent Counties in Maryland, and Salem and Gloucester Counties in New Jersey. Also, the Winter Storm Advisory was cancelled for Camden and Northwestern Burlington Counties in New Jersey and Chester, Montgomery, Delaware and Philadelphia Counties in Pennsylvania. At 1243 AM the warning was cancelled for Queen Annes, Talbot and Caroline Counties in Maryland and Ocean and Southeastern Burlington Counties in New Jersey. At 315 AM the remaining warnings were cancelled.

Precipitation/Temperatures/Winds

All precipitation was in the form of snow as temperatures struggled to even reach the 20s across the region. Snow began falling just before 1000AM on Saturday morning and spread north and east across the region. A very defined line of snow/no snow could be seen across southeast PA and into central NJ, which shifted slightly northward, throughout the course of the storm.

Snowfall totals were highest across the southern areas with generally 5 to 11 inches reported through Delaware, the Maryland eastern shore and Southern New Jersey. The amounts lessened as you traveled northward with only 2.1 inches in Philadelphia, 1.2 inches in Mount Holly (Burlington County) and 0.1 inches in Hightstown (Mercer County, NJ).

Significant Impacts/Aspects

No major impacts were noted with this storm other than the usual traffic accidents and scattered power outages associated with inclement weather.

1 311 20
001 00 - 00 -012-01 -01 -020- 001-00 010-012 02 - 0 -0 -
0 0 0 2-0 0 1-0103 -

1120 31 2010

2
.
...
.
./

/
()

... ..

.	31	1/30
.0	1	1/30

...

.0	00	1/31
.3	1200	1/31
.3	00	1/31
.3	1200	1/31
2.2	00	1/31
1.	31	1/30

...

11.3	1030	1/30
.	30	1/31
.0	1	1/31
.	102	1/30
.0	03	1/30

...

.	00	1/31
---	----	------

...

.	00	1/30
.0	2	1/30
.3	300	1/30
.0	00	1/31

...

.0	00	1/31
.	1100	1/30
.0	30	1/30
.0	00	1/31

...

.3	102	1/30
.0	102	1/30

...

10.	1000	1/30
.0	0	1/31
.0	0	1/31
.0	0	1/31

...

.1	00	1/31
.0	00	1/31
.0	00	1/31
.0	00	1/31
.3	2	1/30
.0		1/30
.0		1/30
.0	32	1/30
.	00	1/31
.	2	1/30

...

2.	1000	1/30
2.0	1130	1/30
2.0	200	1/31
1.	00	1/30
1.	10	1/30
1.	00	1/31
1.2	00	1/31
1.0	00	1/31
0.	00	1/31
0.	200	1/31

...

3.	1100	1/30
3.0	1	1/30
2.3	00	1/31
2.1	111	1/30
1.	00	1/31
1.0	0	1/31

...

10.0	1	1/31
10.0	00	1/31
.	10	1/31
.	00	1/31
.	1	1/31
.	1	1/30
.	20	1/30
.	1	1/31
.	20	1/30
.	20	1/30
.	1	1/31
.3	20	1/30
.	200	1/31
.0	2	1/30
.	30	1/30
.	1	1/31

.0	3	1/30
----	---	------

...

.	30	1/30
.	1000	1/30
.3	0	1/30
3.3	00	1/31

...

.	00	1/31
.	00	1/31
.0	200	1/31
3.0	3	1/31
2.3	100	1/31
2.1	1200	1/31
1.	00	1/30
1.0	00	1/31

...

0.2	00	1/30
0.1	00	1/31

...

200	1/31
200	1/31

...

1.0	200	1/31
1.0	2	1/31
0.	2	1/30
0.	200	1/31
0.	00	1/31
0.3	00	1/31
0.2	00	1/31
200	1/31	

...

.1	0	1/30
.	200	1/31
3.2	10	1/30
3.0	10	1/30
3.0	32	1/30
2.0	1200	1/31
1.	10	1/30
1.	0	1/30
1.	00	1/31
1.3	10	1/30
1.0	00	1/31

1.0 10 1/30

...

.1 1 1/30

.1 0 1/30

...

1200 1/31

...

1.3 0 1/30

1.0 1 1/30

1.0 00 1/31

0. 00 1/31

0.3 00 1/31

...

1. 32 1/30

1.3 1/30

...

1.2 1200 1/31

0. 110 1/30

...

2.1 1200 1/31

. 0. 30 1/31

0.3 230 1/31