

The Richmond International Airport had 10 inches of snow on January 30th and 31st The Storm was Stronger to the North

January 30, 2010 from Gaithersburg Maryland

Significant cold continued on Saturday, aided considerably by clouds and SNOW!!! Beautiful powdery snow fell from about 9 AM for about 12-13 hours till 9 or 10 PM Sat evening. Interesting way I speculated on when the snow started, since I was asleep when it started. I looked at my VP2 data, specifically the dew point, and noticed a sharp rise in the dew point temperatures around 9 to 10 AM, from about 5° up into the low teens. My rain collector doesn't collect snowfall, nor does it at this stage melt it down. So I can't use that data to figure out when snow started to fall on Saturday. The air temperatures were about 20 when the snow started, and then dropped most of the day into the mid-upper teens. Hence the snow stayed dry and powdery, relatively speaking. The winter weather advisory we were placed under early Saturday morning was changed to a Winter Storm Warning in the middle of Saturday afternoon, more or less after 4 inches had accumulated and it was still snowing, hence they increased the predicted snowfall for my county to 4-6 inches. Sunny and cold on Sunday. Road melt should commence once the sun comes out. With temps still supposed to stay below freezing all day, the roadway is probably going to be the only place where melting will take place.

RS data for Friday: High temp 20.7° - Low temp 15.6° - Obs temp 17.4°

Snow on ground: 6"

January total snow up through Saturday: 7.9" New snow/sleet 5.8"

Precipitation for Saturday: 0.33"

2010 Year and January month to date precipitation total: 1.97" VP2 data as follows:

High temp 20.5° recorded at 0000

Low temp 16.2° recorded at 1707

Obs temp tonight 17.8°

Rel hum ranged from a max of 92% (1356) to a low of 49% (0042) Dew point ranged from 16° to 4°.

Peak Wind Gust 13 MPH from the NW (1454) Pressure ranged from 30.36"(0014) to 30.03"(2201)

At obs tonight the temp was 17.4° on the RS, temp of 17.8° on the VP2, 69% rel hum, thinning overcast, 9° dew point, pressure 30.04" and steady, wind 3 MPH from the N.

Currently (3:37 AM EST) the temp is 15.2° on the VP2, 14.2° on the RS, rel hum 70%, dew pt 7°. Barometer rising at 30.07". Thin cloud cover, moon visible. Winds Calm.

Radar showing snow retreating out to sea in the lower eastern shore of Maryland. Clear to the west and north.

Remember I have my VP2 station online now on weather underground,

<http://www.wunderground.com/weatherstation/WXDailyHistory.asp?ID=KMDGAITH11>

Kevin Shaw

Report from Gaithersburg Maryland for Sunday, January 31, 2010

Monday, February 1, 2010 at 1:53am

Significant cold continued early on Sunday, as skies slowly cleared early morning, the temperature really started to drop, and reached down into the single digits by about 4 AM. Coldest readings of the season so far. In fact, my 8.5° low this morning was the first reading below 10° since 1/17/09. A few flurries of snow were noted right after midnight obs, only a trace amount. Sunny and cold on Sunday, just managed to hit freezing briefly in mid-afternoon. Melting was mostly confined to the roadways, where the process was aided by road chemicals. Now after the sun went down temps dropped well and got well below freezing quickly after sunset. So possibilities of black ice are very real by the early morning hours. Should be a bit milder with some melting going on on Monday, but a clipper looks to possibly give us some more snow late on Tuesday and then a more major storm possible in time for next weekend. We can dream, can't we??

RS data for Sunday: High temp 32.2° - Low temp 7.5° -
Obs temp 16.7°

Snow on ground: 5"
January total monthly snow: 7.9"
New snow/sleet : T"
Precipitation for Sunday: T"
2010 Year/January month precipitation total: 1.97"

VP2 data as follows:

High temp 32.3° recorded at 1543
Low temp 8.5° recorded at 0730
Obs temp tonight 17.3°
Rel hum ranged from a max of 83% (0803) to a low of 37% (1356)
Dew point ranged from 14° to 4°.
Peak Wind Gust 13 MPH from the N (1129) Pressure
ranged from 30.23"(1103) to 30.03"(0029)

At obs tonight the temp was 16.7° on the RS, temp of 17.3° on the VP2, 77% rel hum, clear, 11° dew point, pressure 30.21" and rising, wind Calm.

Currently (1:54 AM EST) the temp is 15.3° on the VP2, 14.5° on the RS, rel hum 83%, dew pt 11°. Barometer rising at 30.23". Clear, Winds Calm.

Radar clear tonight. Closest echoes are very light, very scattered snow showers in western and central PA, not heading this way.

Preliminary Totals ending January 31, 2010

The following are unofficial reports from the storm that affected the region ending January 31, 2010. Appreciation is extended to Highway Departments, Cooperative Observers, SKYWARN Spotters, and Media for these reports.

snow

STORM TOTAL SNOW



