



New Year's 2008 Winter Storm

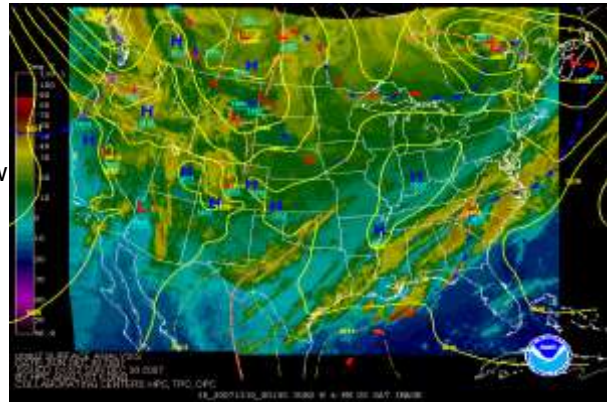


The New Year 2008 continued the stormy pattern of December 2007 and followed on the heels of the New Year's Eve (12/31/2007) Winter Storm that delivered 4 to 8 inches of snow across Vermont with lesser amounts across northern New York. In fact, this New Year's Day storm followed the pattern set forth in 2007 of winter storms occurring on holidays (Martin Luther King, Valentine's Day, St. Patrick's Day and Easter).

A strong upper level disturbance in the Pacific Northwest on Sunday (30th) moved to the Mississippi River Valley by Monday afternoon (31st) and through the Ohio River Valley and southern Great Lakes on Monday night before moving across New York and New England on New Year's Day.

At the surface, the primary area of low pressure moved from the Mississippi and Ohio River Valleys on New Year's Eve to the eastern Great Lakes and northern New England on New Year's Day. Meanwhile, a secondary coastal low developed off the East coast during New Year's Day, eventually becoming the dominant storm system by nightfall.

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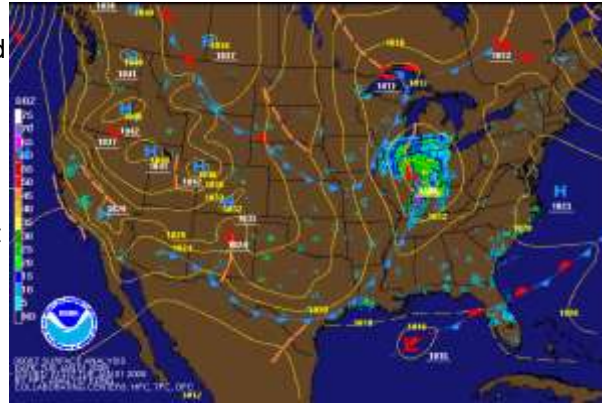
**"WORKING
TOGETHER
TO
SAVE
LIVES"**

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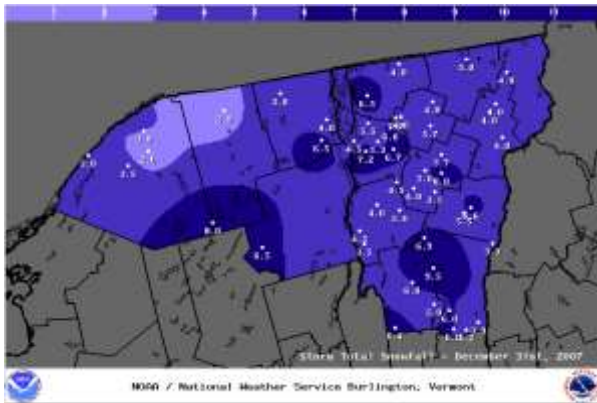
This storm came in two phases to portions of the North Country, especially the Champlain Valley and the western slopes of the northern Green Mountains. The first phase of this storm was the snow that overspread the region during the mid-morning and continued through early afternoon Tuesday. This was associated with the main primary low and strong upper level disturbance that was moving across the eastern Great Lakes and the developing coastal low.



Snow was steady across much of the area with widespread snowfall amounts of 3 to 6 inches with locally up to 8 inches along southeast facing mountain slopes due to brisk southeast winds. Meanwhile, these brisk southeast winds that were promoting locally enhanced "upslope" snows on the windward side of the mountains was having an opposite effect on the downwind side like the Champlain Valley and the upper Connecticut River Valley due to a process called downsloping or "shadowing". In these regions, snowfall from the main storm system during the late morning and early afternoon was only a trace to a few inches. For example, by 7 pm EST, Waterbury had reported 8 inches of snow, while Williston/Burlington had an inch or less.

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| *****STORM TOTAL SNOWFALL***** | | | |
|--------------------------------|-------------------------------|--------------------------|--------------|
| LOCATION | STORM TOTAL SNOWFALL (INCHES) | TIME/DATE OF MEASUREMENT | COMMENTS |
| NEW YORK | | | |
| ...CLINTON COUNTY... | | | |
| PERU | 6.5 | 1254 PM 12/31 | |
| ELLENBURG DEPOT | 5.0 | 700 AM 1/1 | COOP |
| PLATTSBURGH | 4.0 | 855 AM 12/31 | NEWS MEDIA |
| SCHUYLER FALLS | 3.5 | 823 AM 12/31 | HAM OPERATOR |
| ...ESSEX COUNTY... | | | |
| NEWCOMB | 6.5 | 955 AM 12/31 | |
| ...FRANKLIN COUNTY... | | | |
| TUPPER LAKE | 8.0 | 700 AM 1/1 | COOP |
| MALONE | 2.0 | 830 AM 12/31 | |
| ...ST. LAWRENCE COUNTY... | | | |
| CANTON | 3.5 | 841 AM 12/31 | |
| NORFOLK | 3.0 | 942 AM 12/31 | |
| OGDENSBURG | 3.0 | 817 AM 12/31 | HAM OPERATOR |
| POTSDAM | 2.0 | 620 AM 12/31 | SPOTTER |
| VERMONT | | | |
| ...ADIRONDACK COUNTY... | | | |

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The second phase of this storm system was a bit more localized to the Champlain Valley, the western slopes of the Northern Green Mountains and to a lesser extent the Northeast Kingdom of Vermont during Tuesday night and early Wednesday morning (2nd). The developing coastal low south of New England on Tuesday, intensified across the Gulf of Maine and Nova Scotia Tuesday night into early Wednesday morning.



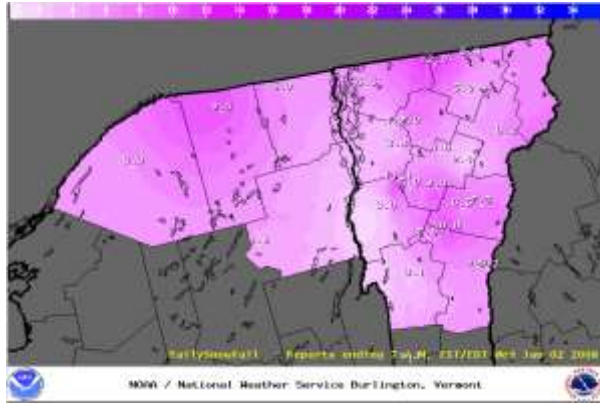
The large expansive counter-clockwise flow around this coastal low, circulated moisture and precipitation back toward southern Quebec and the North Country, commonly referred to as "wraparound precipitation". The combination of deep "wraparound" moisture traveling on north to northwest winds in the Champlain Valley created two local precipitation enhancement effects: the Champlain Valley Convergence Zone and upslope flow along the western slopes of the northern Green Mountains, which accounted for some significant snowfall that was lacking in the first phase of the storm.

In the end...widespread snowfall totals of 4 to 8 inches were observed with localized amounts of 10 or more inches along upslope regions on both the east and northwest facing slopes of the Green

Mountains.

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| *****STORM TOTAL SNOWFALL***** | | | |
|--------------------------------|-------------------------------|--------------------------|---------------|
| LOCATION | STORM TOTAL SNOWFALL (INCHES) | TIME/DATE OF MEASUREMENT | COMMENTS |
| NEW YORK | | | |
| ...CLINTON COUNTY... | | | |
| CHAZY | 7.0 | 730 AM 1/2 | AMATEUR RADIO |
| ELLISBURG DEPOT | 6.0 | 938 AM 1/2 | COOP |
| PLATTSBURGH | 6.0 | 730 AM 1/2 | AMATEUR RADIO |
| PERU | 5.0 | 730 AM 1/2 | AMATEUR RADIO |
| ...ESSEX COUNTY... | | | |
| NEWCOMB | 4.8 | 1001 AM 1/2 | COOP |
| ...FRANKLIN COUNTY... | | | |
| MALONE | 9.5 | 1003 AM 1/2 | COOP |
| WHIPPLEVILLE | 9.0 | 800 AM 1/2 | SPOTTER |
| ...ST. LAWRENCE COUNTY... | | | |
| EDWARDS | 10.0 | 730 AM 1/2 | AMATEUR RADIO |
| OGDENSBURG | 10.0 | 730 AM 1/2 | AMATEUR RADIO |
| GOVERNOUR | 6.0 | 1004 AM 1/2 | COOP |
| VERMONT | | | |
| ...ADISON COUNTY... | | | |
| SHRIFHAM | 7.0 | 770 AM 1/2 | AMATEUR RADIO |

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