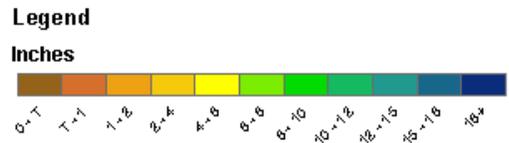
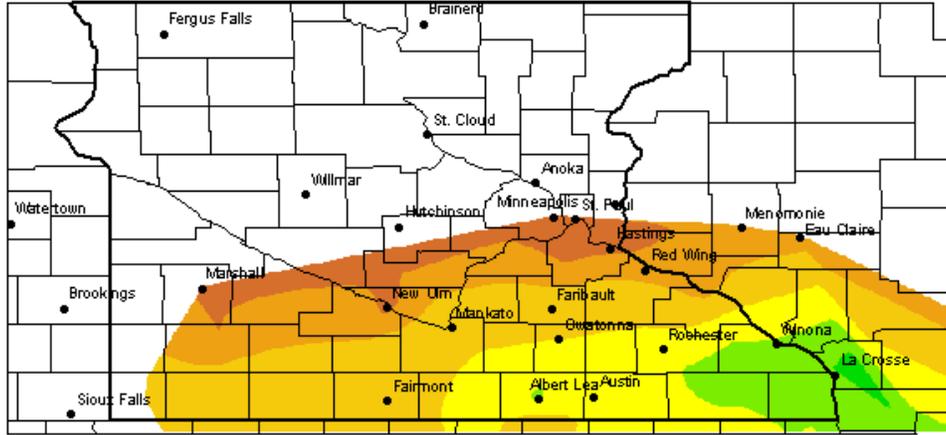


January 21, 2008 Snowfall



...SNOWFALL TOTALS FROM THE MARTIN LUTHER KING JR DAY SNOW EVENT...

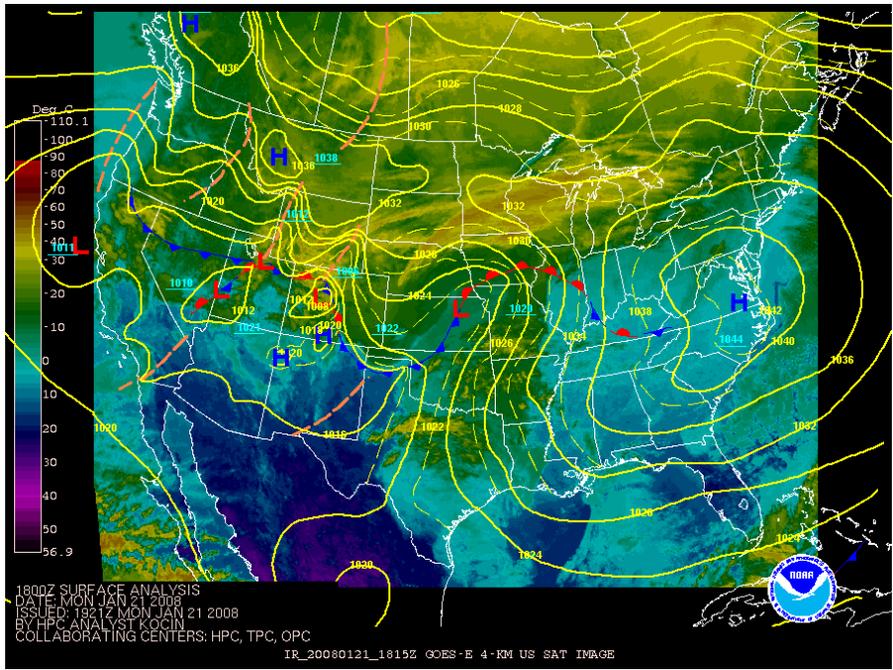
SNOW REPORTS LISTED BY AMOUNT

| INCHES | LOCATION | ST | COUNTY | TIME |
|--------|---------------|----|------------|---------|
| 6.50 | ALBERT LEA | MN | FREEBORN | 1159 PM |
| 6.00 | KIESTER | MN | FARIBAULT | 0548 PM |
| 5.00 | 8 W FAIRMONT | MN | MARTIN | 1008 AM |
| 5.00 | ELLENDALE | MN | STEELE | 0612 PM |
| 3.30 | NORTH MANKATO | MN | NICOLLET | 0940 AM |
| 3.00 | MANKATO | MN | BLUE EARTH | 0612 PM |
| 2.80 | NORTH MANKATO | MN | NICOLLET | 0612 PM |
| 2.50 | ST JAMES | MN | WATONWAN | 0601 PM |
| 2.00 | WATERVILLE | MN | LE SUEUR | 0940 AM |

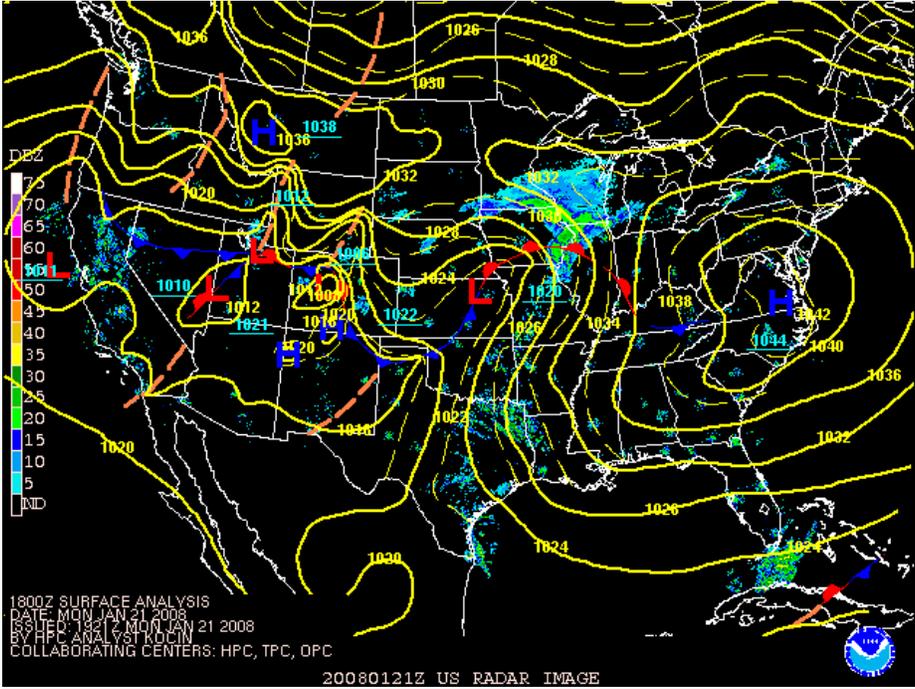
| | | | | |
|------|--------------|----|------------|---------|
| 1.20 | MENOMONIE | WI | DUNN | 0919 PM |
| 1.10 | EAU CLAIRE | WI | EAU CLAIRE | 1100 PM |
| 1.00 | WINTHROP | MN | SIBLEY | 0548 PM |
| 0.90 | MINNEAPOLIS | MN | HENNEPIN | 1200 AM |
| 0.80 | STILLWATER | MN | WASHINGTON | 0940 AM |
| 0.80 | CHANHASSEN | MN | CARVER | 1200 AM |
| 0.80 | HASTINGS | MN | DAKOTA | 0603 PM |
| 0.80 | FARMINGTON | MN | DAKOTA | 0601 PM |
| 0.70 | RICHFIELD | MN | HENNEPIN | 0930 PM |
| 0.70 | 2 SW ST PAUL | MN | RAMSEY | 0855 PM |
| 0.70 | NEW ULM | MN | BROWN | 0617 PM |

Synopsis

A nearly stationary front draped across northern Missouri early on the morning of the 21st began lifting slowly northward into Iowa as a warm front during the afternoon in advance of a low pressure system. Moist air streamed above and in advance of this, with atmospheric moisture values rapidly increasing during the day in southern Minnesota and Wisconsin on Monday. Strong support from the jet stream created upwards motion over a large area of eastern Nebraska and South Dakota, most of Iowa, and southern Minnesota and Wisconsin. When snow began, snow to liquid ratios were higher than normal, especially near the Interstate 90 corridor. This was due to the development of dendritic snowflakes (large flakes) aloft, and a cold lower atmosphere that was in place. A colder air mass tends to favor higher snow to liquid ratios.



Infrared Satellite and Surface Map



Radar Mosaic and Surface Map