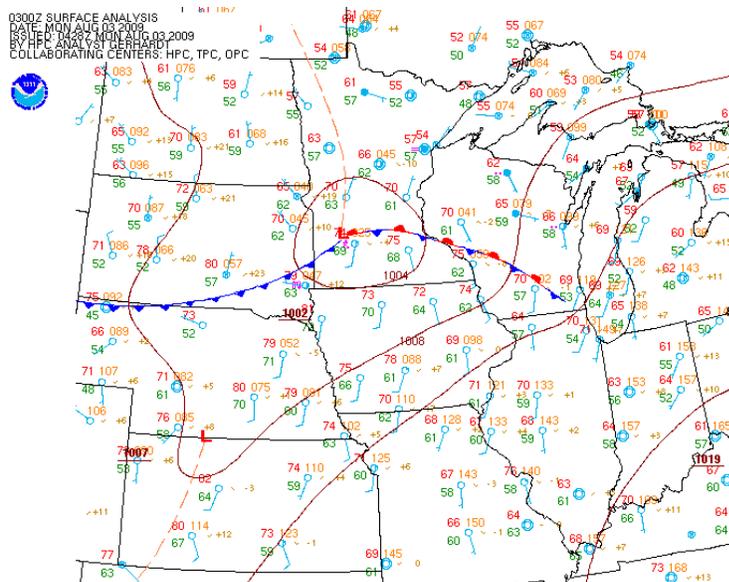


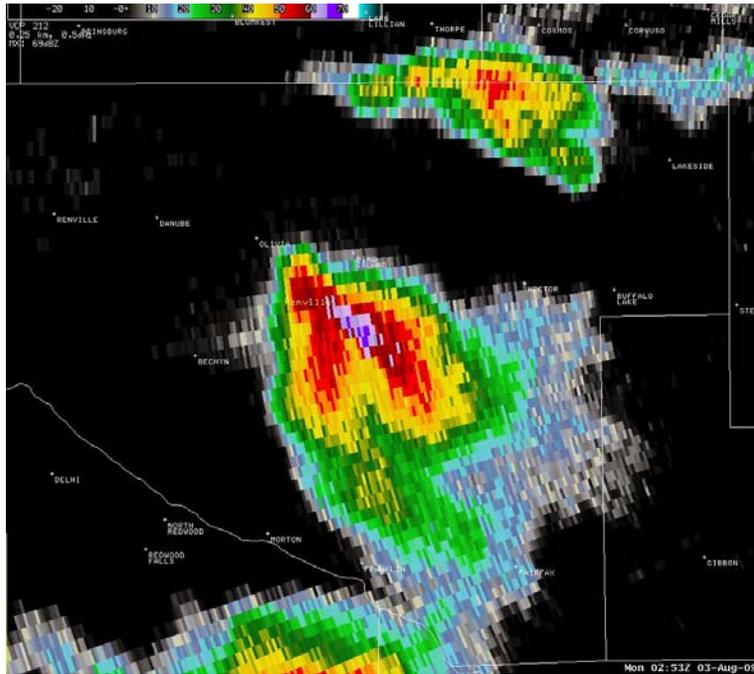
August 2, 2009: Up to Baseball Size Hail West of the Twin Cities

Event Synopsis

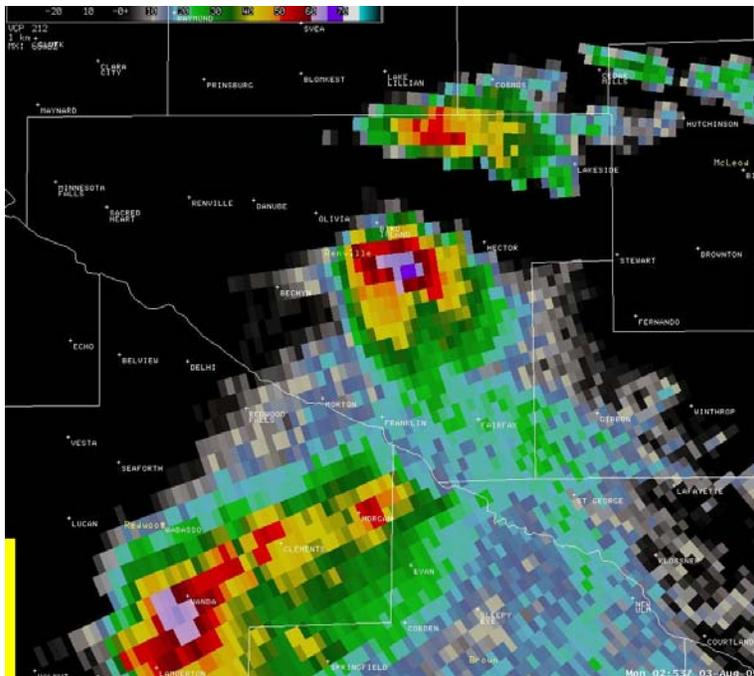
After one of the warmer days in weeks for southern Minnesota, thunderstorms rapidly developed during the mid to late evening Sunday across southwest Minnesota. These evolved east northeast into the southern half of the Twin Cities metro area and eventually into western Wisconsin. Low pressure had developed during the afternoon in eastern South Dakota and was the primary focus for thunderstorms as it moved across the southern third of Minnesota. A warm and moist air mass ahead of this low led to significant instability which had built through the day. As the low approached and thunderstorms developed Sunday night, they fueled on this instability, developing large hail aloft which would eventually fall in several locations. Baseball size hail was the maximum reported in a storm that exhibited a top to around 60,000 ft. The storms would continue to be a hail threat and also at times a wind threat as they evolved towards and through the Twin Cities. They did provide some rainfall to the very dry eastern Minnesota and western Wisconsin. From earlier showers in the day and the evening thunderstorms, the Ladysmith, Wisconsin airport reported 3.43 inches.



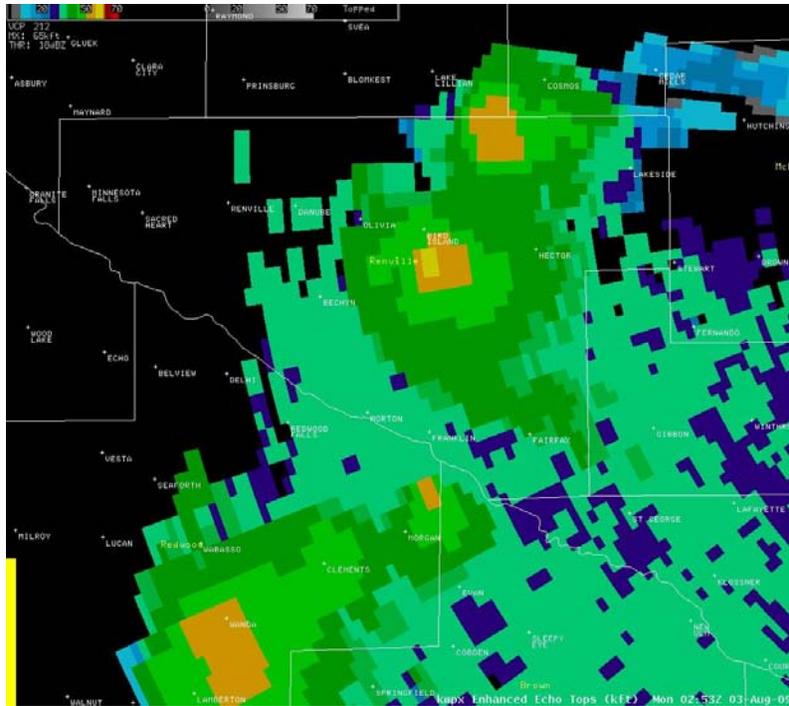
August 2, 2009: 10 pm Surface Weather Map



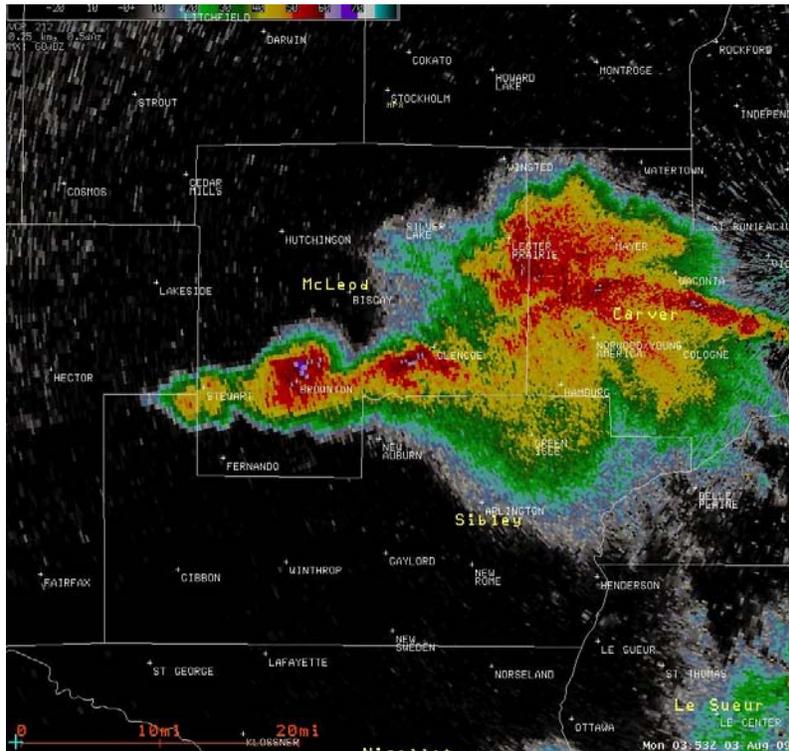
Aug 2: 9:53 pm 0.5° Radar Image: NWS Chanhassen Doppler Radar lowest level reflectivity image of the storm which was producing golf ball to baseball size hail just south of Bird Island in Renville County at this time.



Aug 2: 9:53 pm 2.4° Radar Image: NWS Chanhassen Doppler Radar reflectivity image of the storm at around 16,000 ft, or around only 22 degrees F°, which was producing golf ball to baseball size hail just south of Bird Island in Renville County at this time. This indicated a great amount of ice within this storm.

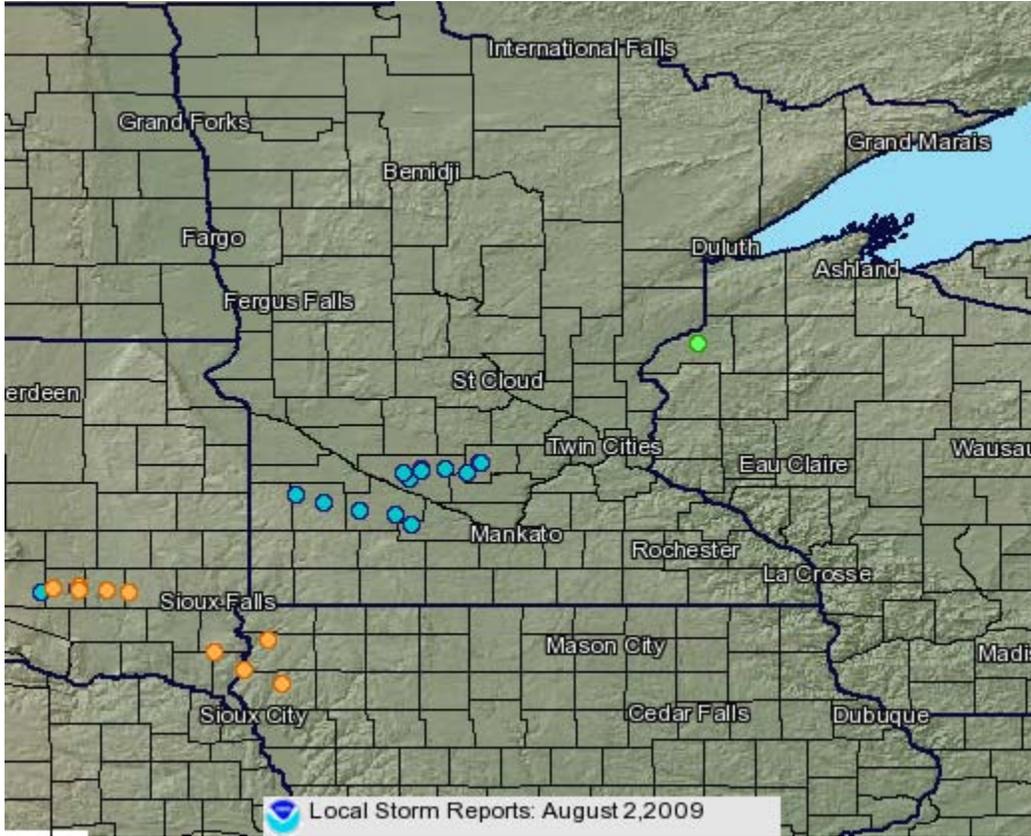


Aug 2: 9:53 pm Radar Storm Top: NWS Chanhassen Doppler Radar estimated top of the baseball hail producing storm. This was measured at approximately around an impressive 60,000 ft.



Aug 2, 2009: 10:53 pm Radar Image: NWS Chanhassen Doppler Radar reflectivity image of the storm which produced golf ball size hail five miles north of Brownton. This formed in the wake of the one to its northeast, which had produced the baseball size hail in Renville County.

Storm Reports



PRELIMINARY LOCAL STORM REPORT...SUMMARY
 NATIONAL WEATHER SERVICE TWIN CITIES/CHANHASSEN MN
 216 AM CDT MON AUG 03 2009

..TIME...	...EVENT...	...CITY LOCATION...	...LAT.LON...
..DATE...MAG....	..COUNTY LOCATION..ST..	...SOURCE....
	..REMARKS..		
0936 PM 08/02/2009	HAIL M0.88 INCH	SEAFORTH REDWOOD MN	44.48N 95.33W TRAINED SPOTTER
0936 PM 08/02/2009	HAIL M1.00 INCH	3 SW LUCAN REDWOOD MN	44.38N 95.45W TRAINED SPOTTER
0943 PM 08/02/2009	HAIL M1.00 INCH	7 S OLIVIA RENVILLE MN	44.67N 95.00W TRAINED SPOTTER
0948 PM 08/02/2009	HAIL M1.75 INCH	5 SW OLIVIA RENVILLE MN	44.73N 95.06W TRAINED SPOTTER
0950 PM 08/02/2009	HAIL M2.75 INCH	1 S BIRD ISLAND RENVILLE MN	44.75N 94.89W STORM CHASER

GOLF BALL TO BASEBALL SIZED HAIL STILL COVERING GROUND AT
1010 CDT PM.

1000 PM	HAIL	4 WSW CLEMENTS	44.35N 95.13W
08/02/2009	M1.00 INCH	REDWOOD MN	TRAINED SPOTTER
1002 PM	HAIL	3 S CLEMENTS	44.34N 95.05W
08/02/2009	M0.88 INCH	REDWOOD MN	TRAINED SPOTTER
1005 PM	HAIL	5 E OLIVIA	44.76N 94.90W
08/02/2009	M1.75 INCH	RENVILLE MN	TRAINED SPOTTER
1008 PM	HAIL	2 NE HECTOR	44.76N 94.68W
08/02/2009	M2.00 INCH	RENVILLE MN	TRAINED SPOTTER
1015 PM	HAIL	1 N SPRINGFIELD	44.25N 94.98W
08/02/2009	E1.00 INCH	BROWN MN	CO-OP OBSERVER
1023 PM	HAIL	HUTCHINSON	44.89N 94.37W
08/02/2009	M0.75 INCH	MCLEOD MN	TRAINED SPOTTER
1027 PM	HAIL	5 S HUTCHINSON	44.82N 94.37W
08/02/2009	M1.00 INCH	MCLEOD MN	TRAINED SPOTTER
1030 PM	HAIL	5 NW MADELIA	44.10N 94.49W
08/02/2009	M1.00 INCH	WATONWAN MN	EMERGENCY MNGR
1036 PM	HAIL	E STEWART	44.72N 94.48W
08/02/2009	M1.00 INCH	MCLEOD MN	TRAINED SPOTTER
1054 PM	HAIL	5 N BROWNTON	44.81N 94.35W
08/02/2009	M1.75 INCH	MCLEOD MN	LAW ENFORCEMENT
1057 PM	TORNADO	4 W NORWOOD/YOUNG	44.78N 94.000W
08/02/2009		CARVER AME MN	TRAINED SPOTTER
1114 PM	HAIL	2 ENE NEW AUBURN	44.68N 94.19W
08/02/2009	M0.75 INCH	SIBLEY MN	TRAINED SPOTTER
1223 AM	HAIL	ROBERTS	44.99N 92.55W
08/03/2009	M1.00 INCH	ST. CROIX WI	TRAINED SPOTTER