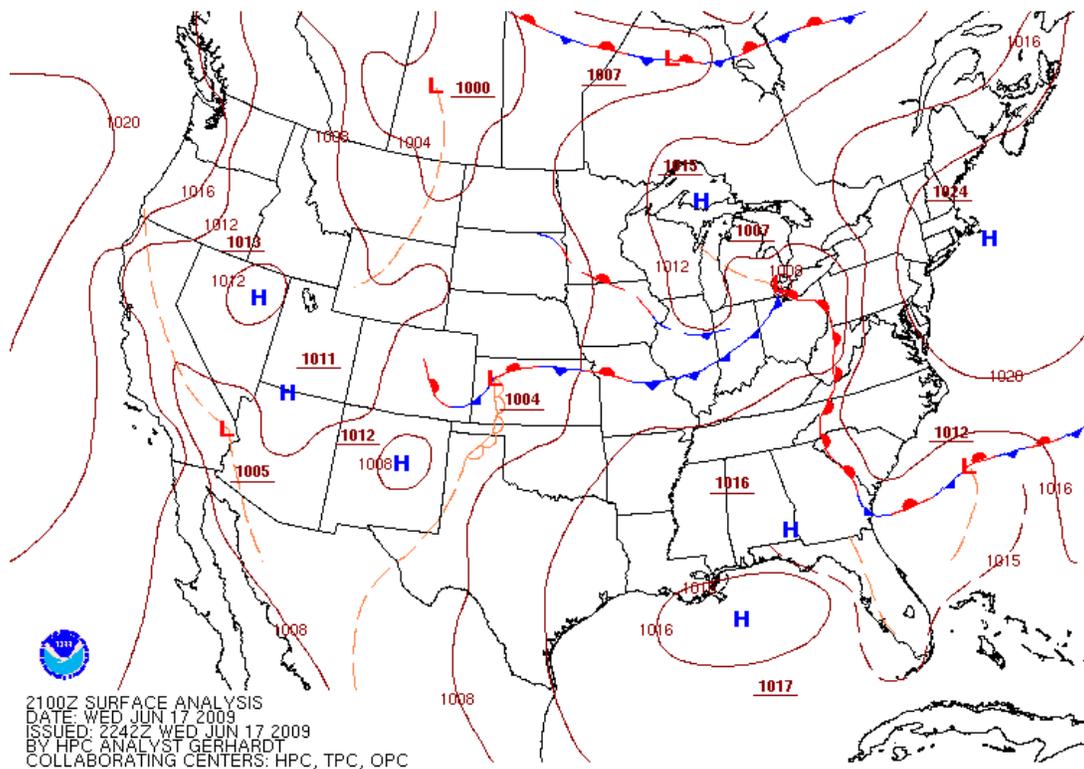


# June 17, 2009: Tornadoes in Southern Minnesota

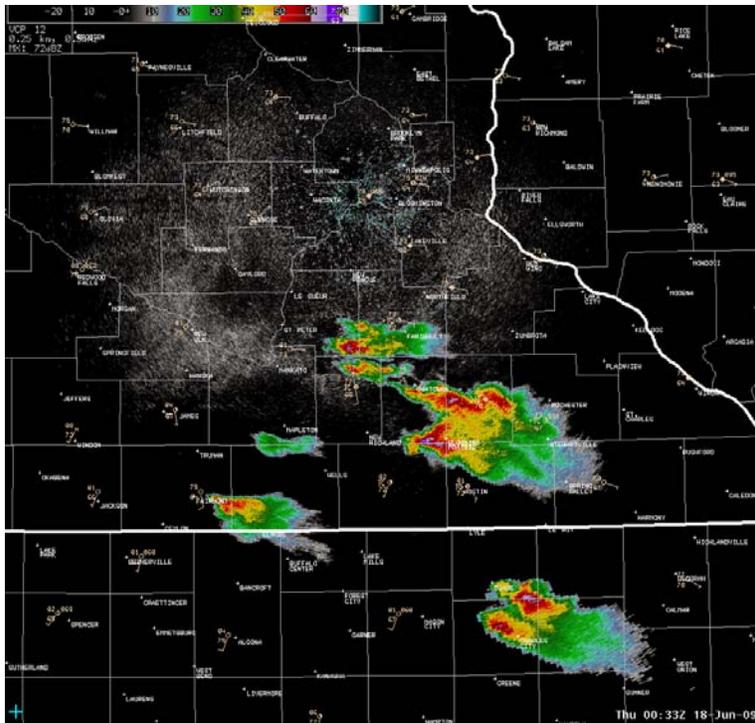
## Event Synopsis

After morning rain, a warm front lifted northward into southern Minnesota late on the afternoon of the 17th. The warmer air combined with the pre-existing moisture led to a rapid destabilization of the atmosphere. Several rotating severe thunderstorms known as supercells developed over far south central and southeast Minnesota, generally between 6 pm and 10 pm. These produced multiple tornadoes, most of them weak. One twister was stronger and longer lived, which struck the north side of Austin and was rated an EF-2 on the Enhanced Fujita scale.

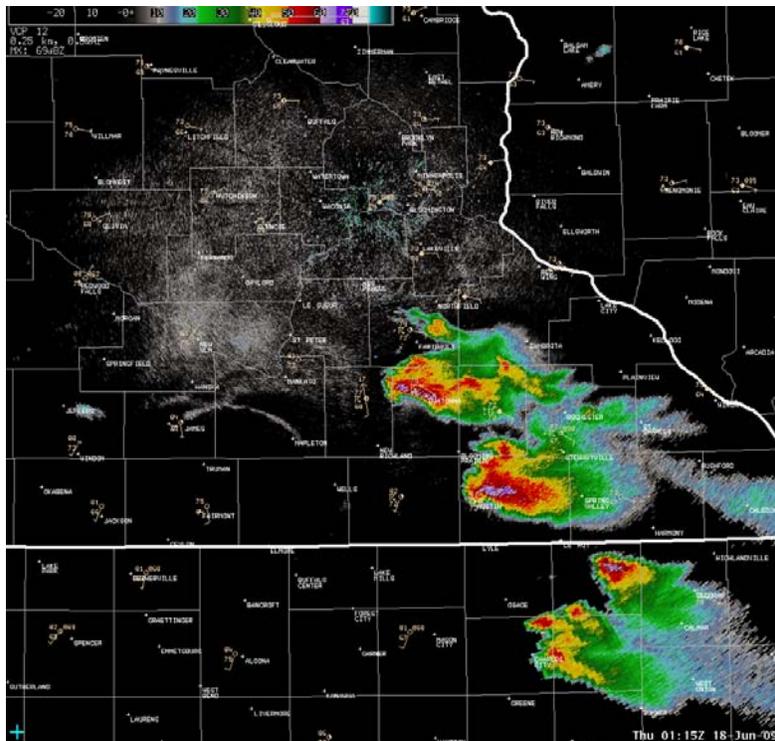
These tornadoes were the first of the year in Minnesota. The only years that had a later start to the Minnesota tornado season were 1951 (June 19) and 1952 (June 23).



June 17, 2009: 4 pm Surface Weather Map

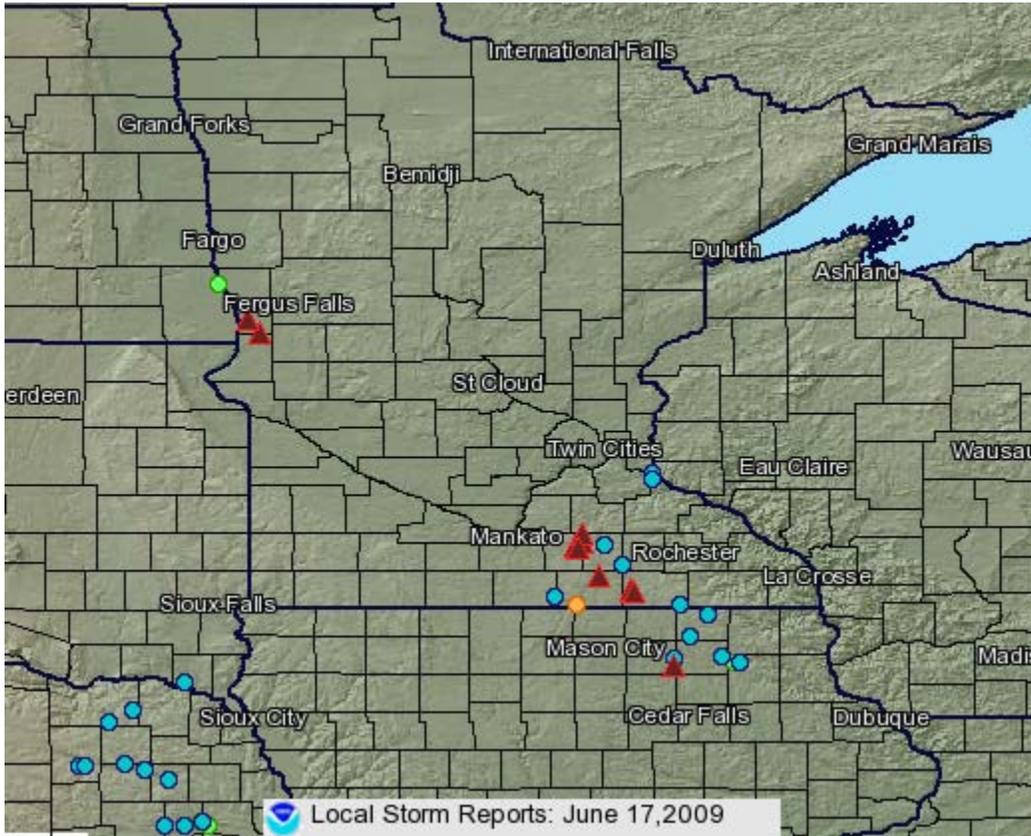


June 17: 7:33 pm Chanhassen Doppler Radar 0.5° Reflectivity Several supercellular thunderstorms, including one near Geneva that produces a weak tornado. This storm would soon strengthen its rotation and produce the Austin area tornado. Note also the storm developing north of Waseca.



June 17: 8:15 pm Chanhassen Doppler Radar 0.5° Reflectivity Supercellular thunderstorms now look even more impressive. A brief tornado touches down near this time east northeast of Waseca. This is also just after a tornado moved through the north side of Austin.

# Storm Reports



PRELIMINARY LOCAL STORM REPORT...SUMMARY  
 NATIONAL WEATHER SERVICE TWIN CITIES/CHANHASSEN MN  
 650 AM CDT THU JUN 18 2009

..TIME...	...EVENT...	...CITY LOCATION...	...LAT.LON...
..DATE...	....MAG....	..COUNTY LOCATION..ST..	...SOURCE....
	..REMARKS..		
1025 AM 06/17/2009	HAIL E1.25 INCH	1 NNE WALTERS FARIBAULT MN	43.62N 93.67W TRAINED SPOTTER
1050 AM 06/17/2009	HAIL M1.00 INCH	3 N EMMONS FREEBORN MN	43.55N 93.48W TRAINED SPOTTER
1050 AM 06/17/2009	TSTM WND DMG	3 N EMMONS FREEBORN MN	43.55N 93.48W TRAINED SPOTTER
	6 INCH BRANCHES DOWN.		
0705 PM 06/17/2009	FUNNEL CLOUD	2 W GENEVA FREEBORN MN	43.82N 93.31W LAW ENFORCEMENT
	TROOPER REPORTED FUNNEL CLOSE TO GROUND WEST OF I-35 AND		

GENEVA.

0722 PM HAIL 6 SSW WASECA 44.01N 93.55W  
06/17/2009 E0.75 INCH WASECA MN TRAINED SPOTTER

0725 PM FUNNEL CLOUD 1 W GENEVA 43.82N 93.29W  
06/17/2009 FREEBORN MN TRAINED SPOTTER

NEAR I-35 AND FREEBORN CR 35...ROTATING WALL CLOUD WITH  
FUNNEL DROPPING TOWARDS THE GROUND.

0727 PM HAIL 5 E FAIRMONT 43.64N 94.36W  
06/17/2009 M0.75 INCH MARTIN MN TRAINED SPOTTER

0730 PM TORNADO GENEVA 43.82N 93.27W  
06/17/2009 FREEBORN MN LAW ENFORCEMENT

CONDENSATION FUNNEL CLOSE TO GROUND. DEBRIS CLOUD NOTED  
DIRECTLY UNDERNEATH. TREES DAMAGED ON EAST EDGE OF  
GENEVA.

0742 PM FUNNEL CLOUD 1 E WATERVILLE 44.22N 93.55W  
06/17/2009 LE SUEUR MN TRAINED SPOTTER

ROTATING WALL CLOUD AND FUNNEL CLOUD.

0745 PM HAIL 2 N BLOOMING PRAIRIE 43.90N 93.05W  
06/17/2009 M1.75 INCH STEELE MN PUBLIC

NICKEL SIZE HAIL ALSO REPORTED

0750 PM HAIL 3 NE WASECA 44.11N 93.46W  
06/17/2009 M0.75 INCH WASECA MN TRAINED SPOTTER

0759 PM FUNNEL CLOUD 3 E WASECA 44.08N 93.44W  
06/17/2009 WASECA MN TRAINED SPOTTER

ROATATING WALL CLOUD. BETWEEN WASECA AND STEEL COUNTY  
LINE.

0802 PM HAIL 3 SW MORRISTOWN 44.20N 93.49W  
06/17/2009 E0.75 INCH WASECA MN TRAINED SPOTTER

0803 PM TORNADO 5 NE WASECA 44.13N 93.43W  
06/17/2009 WASECA MN AMATEUR RADIO

DEBRIS IN THE AIR AND ON THE GROUND.

0814 PM TORNADO 1 E WASECA 44.08N 93.48W  
06/17/2009 WASECA MN STORM CHASER

TOUCHED DOWN ON CLEAR LAKE THEN MOVED ONSHORE. TREE DOWN  
BUT NO PROPERTY DAMAGE.

0814 PM FUNNEL CLOUD 1 NE WASECA 44.09N 93.49W  
06/17/2009 WASECA MN TRAINED SPOTTER

0818 PM FUNNEL CLOUD OWATONNA 44.09N 93.22W  
06/17/2009 STEELE MN TRAINED SPOTTER

ROTATING WALL CLOUD...MULTIPLE FUNNELLS...SOUTHEAST  
SIDE...HAVANA TOWNSHIP.

0825 PM HAIL OWATONNA 44.09N 93.22W  
06/17/2009 M0.88 INCH STEELE MN TRAINED SPOTTER

0830 PM HAIL 4 NW WASECA 44.12N 93.56W  
06/17/2009 E0.88 INCH WASECA MN TRAINED SPOTTER

NEAR 390TH AVENUE AND 110TH STREET.

0837 PM HAIL OWATONNA 44.09N 93.22W  
06/17/2009 M1.50 INCH STEELE MN PUBLIC

HAIL REPORTED ON EAST SIDE OF CITY.

0940 PM HAIL 3 NNW MAIDEN ROCK 44.61N 92.34W  
06/17/2009 M0.75 INCH PIERCE WI TRAINED SPOTTER

1100 PM HAIL PRESCOTT 44.75N 92.79W  
06/17/2009 M1.00 INCH PIERCE WI TRAINED SPOTTER

ALSO 2.5 INCHES OF RAIN SO FAR

1115 PM HAIL 4 S PRESCOTT 44.69N 92.79W  
06/17/2009 M2.00 INCH DAKOTA MN TRAINED SPOTTER