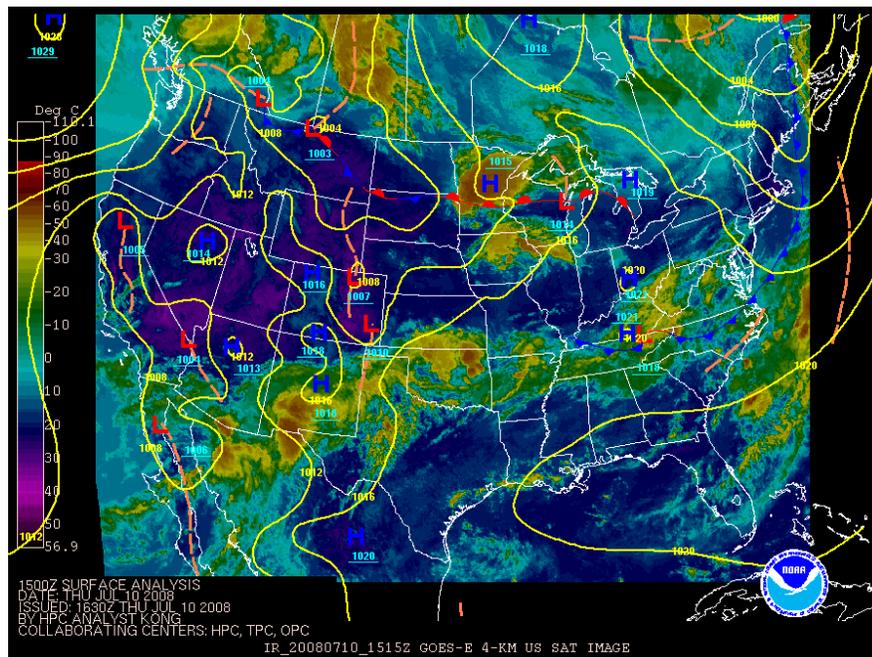


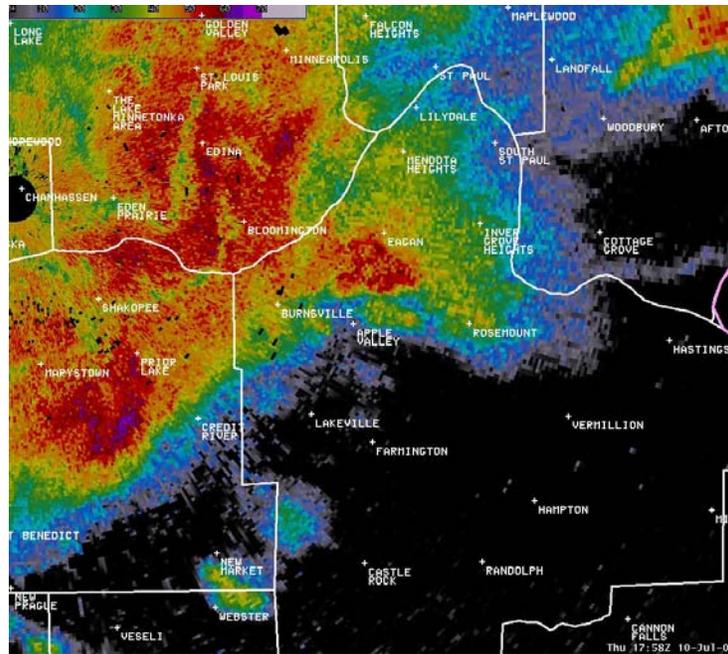
July 10, 2008: Widespread Wind Damage in the Southern Twin Cities Metro and Two EF-0 Tornadoes

Event Synopsis

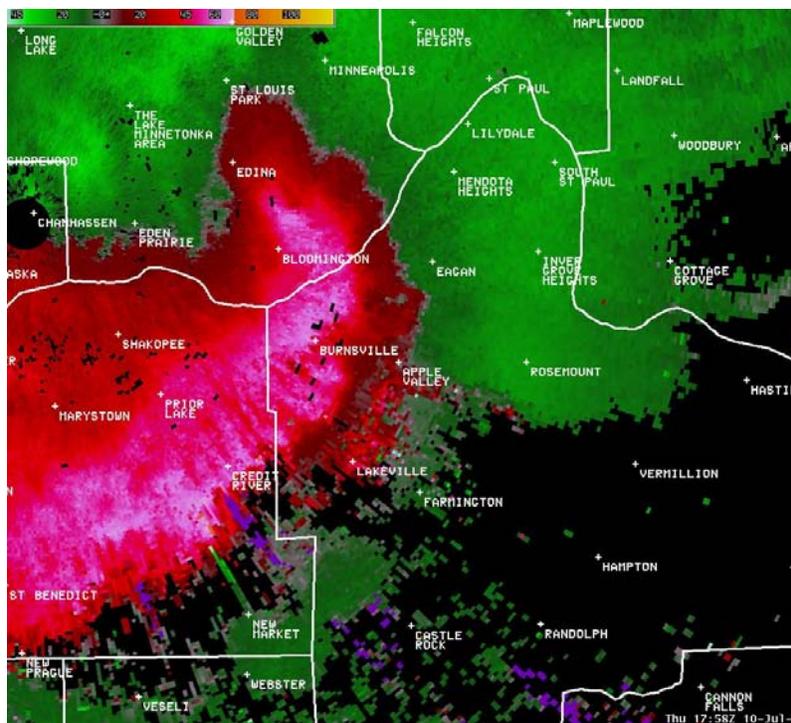
A strong warm front had set up on July 10th across central Minnesota into western Wisconsin, as the surface weather/satellite map reveals below. An area of thunderstorms developed along this in southeast North Dakota and western Minnesota during the early to mid-morning. As the storms moved east southeast towards the Twin Cities they also intensified during the late morning. Wind damage began being reported in Wright and Carver Counties. The most significant wind damage though occurred as the storms plowed through the southern Twin Cities Metro Area. This occurred mainly from 12:45 pm to 1:15 pm. Below, you can see radar pictures of the storms as they moved through the Bloomington, Burnsville, and Apple Valley communities, as well as western Scott County. The velocity values were 60 to 70 kts measured by the NWS Chanhassen Doppler Radar, and measured only 900 ft above the ground. Note the bowing structure of the storms.



10 a.m. Surface Weather Map



Doppler Radar Reflectivity Image of Storms Moving Through the Southern Twin Cities Metro



Doppler Radar Velocity Image of Storms Moving Through the Southern Twin Cities Metro

Just to the south of this arcing structure an area of rotation would develop not long after 1 pm. This would go on to produce two tornadoes, both at EF-0 strength. More information on these can be found below.

Tornadoes

Dakota County...

At approximately 115PM CDT, an EF-0 tornado touched down 5 miles west of Vermillion. The tornado remained on the ground for 6 miles, lifting 3 miles northeast of Hampton. Along the path, occasional broken trees were noted as well as minor damage to houses and sheds. The winds in an EF-0 tornado are estimated to be between 65 and 85 miles an hour. The time of the tornado touchdown was estimated by radar.

In addition to the tornado damage, extensive downburst damage occurred in a 2-3 mile wide swath to the south of the tornado track. The straight-line wind damage extended from 6 miles west of Vermillion to the vicinity of Miesville.

Goodhue County...

At approximately 140 PM CDT, an EF-0 tornado touched down 3 miles east of Vasa. Along the path, scattered broken trees were found, as well as minor damage to houses and sheds. The winds in an EF-0 tornado are estimated to be between 65 and 85 miles an hour. The time of the tornado touchdown was estimated by radar.

In addition to the tornado damage, widespread downburst damage was noted across Goodhue County. Damage included structural damage to sheds and barns, downed trees, and the roof of one home partially destroyed. The straight-line winds were estimated to have been at speeds of 75 miles per hour or greater.



Five Miles West of Vermillion



Five Miles West of Vermillion



Three Miles West Northwest of Meisville



Three Miles West Northwest of Meisville



One Mile South of Meisville

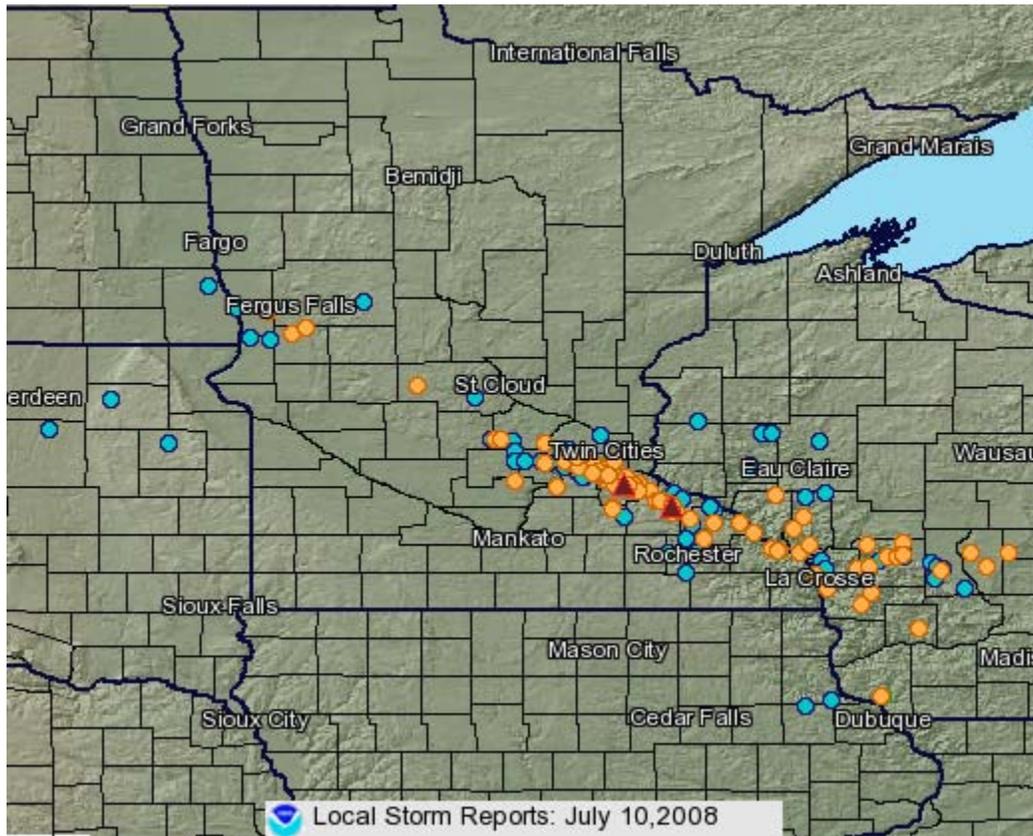


Three Miles South of Welch



Eight Miles Southwest of Red Wing

Storm Reports



PRELIMINARY LOCAL STORM REPORT...SUMMARY
 NATIONAL WEATHER SERVICE TWIN CITIES/CHANHASSEN MN
 932 PM CDT THU JUL 10 2008

..TIME...	...EVENT...	...CITY LOCATION...	...LAT.LON...
..DATE...MAG....	..COUNTY LOCATION..ST..	...SOURCE....
	..REMARKS..		
1110 AM 07/10/2008	LIGHTNING	1 SSE MONTICELLO WRIGHT	45.28N 93.79W MN TRAINED SPOTTER
	*** 1 INJ *** TIME IS ESTIMATED. MAN STRUCK AND INJURED BY LIGHTNING WHILE DOING CONSTRUCTION WORK ON THE ROOF OF A HOME .5 MILES SOUTH OF I94 AND .5 MILES EAST OF HIGHWAY 25.		
1110 AM 07/10/2008	TSTM WND DMG	ELROSA STEARNS	45.56N 94.95W MN TRAINED SPOTTER
	ONE FOUR FOOT DIAMTER TREE FELLED.		
1135 AM 07/10/2008	HAIL M0.88 INCH	HOWARD LAKE WRIGHT	45.06N 94.07W MN TRAINED SPOTTER
1201 PM 07/10/2008	TSTM WND GST M60.00 MPH	2 W COKATO WRIGHT	45.08N 94.24W MN MESONET
	60 MPH WIND GUST MEASURED AT DASSEL COKATO MIDDLE SCHOOL.		
1205 PM 07/10/2008	TSTM WND DMG	COKATO WRIGHT	45.08N 94.19W MN TRAINED SPOTTER
	NUMEROUS TREE LIMBS DOWN AND UTILITY LINES DOWN ACROSS ROADWAY.		
1205 PM 07/10/2008	HAIL M0.88 INCH	COKATO WRIGHT	45.08N 94.19W MN TRAINED SPOTTER
1206 PM 07/10/2008	HAIL M1.25 INCH	WINSTED MCLEOD	44.97N 94.05W MN TRAINED SPOTTER
1206 PM 07/10/2008	HAIL M0.75 INCH	2 ESE DASSEL MEEKER	45.07N 94.27W MN TRAINED SPOTTER
1207 PM 07/10/2008	HAIL M0.75 INCH	COKATO WRIGHT	45.08N 94.19W MN TRAINED SPOTTER
	ESTIMATED 60 MPH WINDS.		
1215 PM 07/10/2008	HAIL M0.88 INCH	WINSTED MCLEOD	44.97N 94.05W MN TRAINED SPOTTER
1215 PM 07/10/2008	HEAVY RAIN E0.00 INCH	BLOOMINGTON HENNEPIN	44.83N 93.32W MN LAW ENFORCEMENT
	WATER UP TO CAR WINDOWS ON 98TH AT INTERSECTIONS OF BOTH NORMANDALE AND HENNEPIN.		

1219 PM	HAIL	WINSTED	44.97N 94.05W
07/10/2008	M0.88 INCH	MCLEOD	MN TRAINED SPOTTER
1220 PM	HAIL	1 SSW WINSTED	44.96N 94.05W
07/10/2008	M3.00 INCH	MCLEOD	MN TRAINED SPOTTER
1220 PM	HAIL	WINSTED	44.97N 94.05W
07/10/2008	M1.00 INCH	MCLEOD	MN TRAINED SPOTTER
1224 PM	HAIL	2 SSW MINNETONKA	44.89N 93.52W
07/10/2008	M1.25 INCH	HENNEPIN	MN TRAINED SPOTTER
1225 PM	HAIL	NEW GERMANY	44.88N 93.97W
07/10/2008	M0.88 INCH	CARVER	MN FIRE DEPT/RESCUE
1225 PM	HAIL	LESTER PRAIRIE	44.88N 94.04W
07/10/2008	M1.75 INCH	MCLEOD	MN TRAINED SPOTTER
POWER LINES AND TREES ALSO FELLED.			
1225 PM	HAIL	1 SW LESTER PRAIRIE	44.87N 94.05W
07/10/2008	E0.88 INCH	MCLEOD	MN TRAINED SPOTTER
1226 PM	HAIL	DELANO	45.04N 93.79W
07/10/2008	M0.88 INCH	WRIGHT	MN NWS EMPLOYEE
NWS EMPLOYEE ESTIMATED WINDS BETWEEN 55 AND 60 MPH BENDING TREES OVER.			
1232 PM	TSTM WND DMG	DELANO	45.04N 93.79W
07/10/2008		WRIGHT	MN NWS EMPLOYEE
TREE DOWNED ON GARAGE AND PART OF THE HOUSE. DAMAGE OCCURRED AT THE HOME OF A RELATIVE OF A FORECASTER FROM NWS LACROSSE. TIME ESTIMATED FROM OTHER REPORTS IN THE DELANO AREA.			
1232 PM	HAIL	WACONIA	44.85N 93.79W
07/10/2008	M1.00 INCH	CARVER	MN TRAINED SPOTTER
1232 PM	TSTM WND DMG	DELANO	45.04N 93.79W
07/10/2008		WRIGHT	MN TRAINED SPOTTER
THREE TO FOUR INCH BRANCHES SEVERED.			
1233 PM	HAIL	WACONIA	44.85N 93.79W
07/10/2008	M1.00 INCH	CARVER	MN NWS EMPLOYEE
1235 PM	HAIL	WACONIA	44.85N 93.79W
07/10/2008	M0.88 INCH	CARVER	MN TRAINED SPOTTER
1236 PM	HAIL	SHAKOPEE	44.77N 93.48W
07/10/2008	M1.00 INCH	SCOTT	MN TRAINED SPOTTER
1238 PM	HAIL	3 ENE WACONIA	44.86N 93.74W
07/10/2008	M0.88 INCH	CARVER	MN TRAINED SPOTTER

1238 PM HAIL 2 NW WACONIA 44.87N 93.82W
07/10/2008 M0.88 INCH CARVER MN TRAINED SPOTTER

1241 PM HAIL 4 NW EXCELSIOR 44.97N 93.62W
07/10/2008 M0.75 INCH HENNEPIN MN TRAINED SPOTTER

REPORTED IN STUBBS BAY AREA OF LAKE MINNETONKA.

1242 PM TSTM WND GST CHANHASSEN 44.86N 93.56W
07/10/2008 M59.70 MPH CARVER MN STORM CHASER

MEASURED WITH ANEMOMETER. NICKEL SIZE HAIL ALSO REPORTED.

1243 PM HAIL LONG LAKE 44.99N 93.57W
07/10/2008 M0.75 INCH HENNEPIN MN TRAINED SPOTTER

1245 PM TSTM WND DMG MINNETONKA 44.91N 93.50W
07/10/2008 HENNEPIN MN COUNTY OFFICIAL

AROUND 6 BRANCHES UP TO 2 FEET IN DIAMETER DOWNED ON
ROADWAYS IN TOWN. TIME IS ESTIMATED.

1245 PM HAIL MINNETONKA 44.91N 93.50W
07/10/2008 M0.75 INCH HENNEPIN MN COUNTY OFFICIAL

1246 PM TSTM WND DMG NEW TRIER 44.60N 92.93W
07/10/2008 DAKOTA MN STORM CHASER

GARAGE, POLE BARN AND FARM OUTBUILDINGS DESTROYED.

1248 PM TSTM WND DMG 4 SSW EXCELSIOR 44.88N 93.60W
07/10/2008 CARVER MN LAW ENFORCEMENT

NUMEROUS LARGE BRANCHES DOWNED AT HIGHWAY 7 AND
MINNEWASHKA PARK.

1248 PM TSTM WND GST 3 SW JORDAN 44.64N 93.68W
07/10/2008 M70.00 MPH SCOTT MN TRAINED SPOTTER

MEASURED WITH ANEMOMETER.

1248 PM HAIL BURNSVILLE 44.76N 93.28W
07/10/2008 M0.75 INCH DAKOTA MN TRAINED SPOTTER

1250 PM HAIL CHASKA 44.82N 93.61W
07/10/2008 M0.75 INCH CARVER MN NWS EMPLOYEE

1251 PM TSTM WND GST 3 SSW EDEN PRAIRIE 44.81N 93.47W
07/10/2008 M59.00 MPH HENNEPIN MN ASOS

59 MPH WIND GUST MEASURED AT FLYING CLOUD AIRPORT.

1254 PM HAIL EDEN PRAIRIE 44.85N 93.46W
07/10/2008 M0.75 INCH HENNEPIN MN TRAINED SPOTTER

OCCURRED AT PRAIRIE CENTER DRIVE AND HIGHWAY 5.

1254 PM TSTM WND DMG WACONIA 44.85N 93.79W
07/10/2008 CARVER MN TRAINED SPOTTER

LARGE BARN FELLED. LARGE TREE LIMBS SEVERED.

1254 PM HAIL 4 E BROOKLYN PARK 45.11N 93.28W
07/10/2008 E0.75 INCH ANOKA MN TRAINED SPOTTER

1255 PM TSTM WND DMG 3 W BURNSVILLE 44.76N 93.34W
07/10/2008 SCOTT MN TRAINED SPOTTER

TREE ON HOUSE AT LYNN AVE IN SAVAGE. SEVERAL LARGE TREES
DOWN IN THE NORTHERN PORTION OF SAVAGE.

1255 PM HAIL EDEN PRAIRIE 44.85N 93.46W
07/10/2008 M0.75 INCH HENNEPIN MN TRAINED SPOTTER

1255 PM TSTM WND DMG 2 N BLOOMINGTON 44.86N 93.32W
07/10/2008 HENNEPIN MN TRAINED SPOTTER

CONSTRUCTION SCAFFOLDING ON BUILDING TOPPLED AT 494 AND
XERXES AVE.

1258 PM HAIL BURNSVILLE 44.76N 93.28W
07/10/2008 M0.88 INCH DAKOTA MN TRAINED SPOTTER

1258 PM HAIL RICHFIELD 44.88N 93.28W
07/10/2008 M0.88 INCH HENNEPIN MN TRAINED SPOTTER

0100 PM TSTM WND DMG 1 NW BURNSVILLE 44.78N 93.30W
07/10/2008 DAKOTA MN TRAINED SPOTTER

PART OF A METAL ROOF OF A BUILDING ON LADY BIRD LN AT
DUPONT AVE. SEVERAL BRANCHES AND TREES DOWN IN THE AREA
WEST OF 35W SOUTH OF THE RIVER TOWARD SAVAGE.

0100 PM HAIL 2 NNE BLOOMINGTON 44.86N 93.29W
07/10/2008 M0.75 INCH HENNEPIN MN TRAINED SPOTTER

0100 PM HAIL 3 NW BLOOMINGTON 44.86N 93.35W
07/10/2008 M0.75 INCH HENNEPIN MN TRAINED SPOTTER

OCCURRED AT HIGHWAY 100 AND HENNEPIN CO.

0100 PM FLASH FLOOD MINNETONKA 44.91N 93.50W
07/10/2008 HENNEPIN MN COUNTY OFFICIAL

MINOR WASHOUTS ON COUNTY 101 AND 61 AND SOME OTHER
SMALLER ROADS IN TOWN. MINOR PAVEMENT COLLAPSE ON
CLEARWATER DRIVE. TIME IS ESTIMATED.

0102 PM TSTM WND GST 3 NE BURNSVILLE 44.80N 93.23W
07/10/2008 M64.00 MPH DAKOTA MN MESONET

64 MPH WIND GUST MEASURED AT JOHN METCALF JUNIOR HIGH
SCHOOL.

0102 PM TSTM WND DMG 4 N BURNSVILLE 44.83N 93.28W
07/10/2008 HENNEPIN MN TRAINED SPOTTER

SEVERAL TREES TOPPLED, SMALLEST SIX INCHES IN DIAMETER.
OCCURRED AT 98TH AND OLD SHAKOPEE RD, THROUGH 91ST.

0103 PM HAIL 1 SE PRIOR LAKE 44.72N 93.42W
07/10/2008 M1.00 INCH SCOTT MN TRAINED SPOTTER

0103 PM TSTM WND DMG 4 SE BURNSVILLE 44.73N 93.22W
07/10/2008 DAKOTA MN TRAINED SPOTTER

FOUR LARGE TREES TOPPLED. TIME ESTIMATED BY RADAR.

0105 PM TSTM WND DMG MENDOTA HEIGHTS 44.88N 93.14W
07/10/2008 DAKOTA MN TRAINED SPOTTER

MEDIUM SIZED TREE BRANCHES DOWNED. LAWN FURNITURE PICKED
UP AND MOVED.

0105 PM TSTM WND GST 3 SE BURNSVILLE 44.74N 93.23W
07/10/2008 M59.00 MPH DAKOTA MN MESONET

59 MPH WIND GUST RECORDED AT APPLE VALLEY HIGH SCHOOL.

0105 PM TSTM WND DMG 5 SSE BURNSVILLE 44.70N 93.23W
07/10/2008 DAKOTA MN TRAINED SPOTTER

MORE THAN 20 TREES DOWN IN A RESIDENTIAL AREA OF
LAKEVILLE NEAR THE INTERSECTION OF HIGHVIEW AND CO RD 46.
TREES UP TO 1 FT DIAMETER. PRIVACY FENCES ALSO BLOWN
DOWN. TIME ESTIMATED ON RADAR.

0105 PM TSTM WND DMG APPLE VALLEY 44.75N 93.20W
07/10/2008 DAKOTA MN TRAINED SPOTTER

TIME ESTIMATED. TREE SNAPPED IN HALF AT CORNER OF 147TH
AND CO RD 42 ALONG WITH SEVERAL BRANCHES. 2 TREES SNAPPED
BEHIND FIRE STATION 1. ONE TREE DOWN .5 MILES W OF COUNTY
RD 23.

0107 PM TSTM WND DMG WACONIA 44.85N 93.79W
07/10/2008 CARVER MN AMATEUR RADIO

THREE TO FOUR INCH BRANCHES DOWNED.

0108 PM TSTM WND GST 6 SSE EAGAN 44.74N 93.13W
07/10/2008 M68.00 MPH DAKOTA MN MESONET

68 MPH WIND GUST RECORDED AT ROSEMOUNT ELEMENTARY SCHOOL.

0110 PM TSTM WND DMG 3 SE ROSEMOUNT 44.72N 93.03W
07/10/2008 DAKOTA MN TRAINED SPOTTER

35 FT PINE TREE UPROOTED AT HWY 52 AT COATES. TIME
ESTIMATED BY RADAR. CORRECTED COUNTY TO DAKOTA FROM
SIBLEY.

0110 PM TSTM WND DMG BLOOMINGTON 44.83N 93.32W
07/10/2008 HENNEPIN MN TRAINED SPOTTER

EIGHT TO 12 INCH TREES DOWN NEAR NORMANDALE BLVD AND MN.
RIVER.

0110 PM HAIL PRIOR LAKE 44.73N 93.43W
07/10/2008 M0.75 INCH SCOTT MN AMATEUR RADIO

0110 PM TSTM WND DMG BLOOMINGTON 44.83N 93.32W
07/10/2008 HENNEPIN MN TRAINED SPOTTER

TWO AND ONE HALF FOOT TREES TOPPLED. OCCURRED AT 494 AND
XERXES AVE.

0111 PM TSTM WND DMG 2 E VERMILLION 44.67N 92.92W
07/10/2008 DAKOTA MN TRAINED SPOTTER

300 FOOT LONG FIELD IRRIGATOR BLOWN OVER AT INTERSECTION
OF CO RD 47 AND CO RD 62. TIME ESTIMATED BY RADAR.

0112 PM TSTM WND DMG 1 SW VERMILLION 44.66N 92.98W
07/10/2008 DAKOTA MN TRAINED SPOTTER

2-3 FOOT WIDE TREE BLOWN DOWN ON CO RD 47. TIME ESTIMATED
BY RADAR.

0113 PM TSTM WND DMG 2 S VERMILLION 44.65N 92.96W
07/10/2008 DAKOTA MN TRAINED SPOTTER

POWER LINES DOWN ALONG CO RD 47 AT CO RD 85. TIME
ESTIMATED BY RADAR.

0115 PM TSTM WND DMG 3 WSW VERMILLION 44.66N 93.02W
07/10/2008 DAKOTA MN TRAINED SPOTTER

TRACTOR TRAILER FLIPPED ONTO ITS TOP ON RIGHT SIDE OF
ROAD ALONG NORTHBOUND HWY 52 BETWEEN COATES AND HAMPTON.
CORNFIELDS FLATTENED IN VICINITY. TIME ESTIMATED BY
RADAR.

0115 PM TSTM WND DMG HAMPTON 44.61N 93.00W
07/10/2008 DAKOTA MN TRAINED SPOTTER

SEVERAL 2 FOOT DIAMETER TREES TOPPLED BETWEEN VERMILLION
AND HAMPTON TO INCLUDE THE CITY OF HAMPTON. A FEW HOMES
IN HAMPTON HAD TREES FELLED UPON THEM. TIME BASED ON
RADAR SIGNATURE.

0115 PM TSTM WND DMG HAMPTON 44.61N 93.00W
07/10/2008 DAKOTA MN TRAINED SPOTTER

NUMEROUS LARGE TREES DOWN IN CITY OF HAMPTON. 2-3 MILES
EAST OF HAMPTON ALONG HWY 50 SEVERAL LARGE TREES DOWN ON
ROAD AND POWER LINES AND CAR ALSO EITHER DRIVEN OFF ROAD
OR BLOWN OFF ROAD INTO FARM FIELD IN SAME AREA. TIME
ESTIMATED BASED ON RADAR.

0115 PM TORNADO 5 W VERMILLION 44.67N 93.07W
07/10/2008 F0 DAKOTA MN NWS STORM SURVEY

EF0 TORNADO DETERMINED TO HAVE OCCURRED AS A RESULT OF AN NWS DAMAGE SURVEY. THE 6 MILE LONG PATH BEGAN 5 MILES WEST OF VERMILLION AND ENDED 3 MILES NORTHEAST OF HAMPTON. OCCASIONAL BROKEN TREES WERE NOTED ALONG THE PATH WITH MINOR DAMAGE TO HOUSES AND SHEDS. TO THE SOUTH OF THE TRACK...A 2 TO 3 MILE WIDE SWATH OF STRAIGHT LINE WIND DAMAGE EXTENDED FROM 6 MILES WEST OF VERMILLION TO MIESVILLE.

0120 PM TSTM WND DMG NEW TRIER 44.60N 92.93W
07/10/2008 DAKOTA MN TRAINED SPOTTER

METAL SHED BLOWN APART AND PIECES OF SHED WRAPPED AROUND TREES. GARAGE OF HOME PARTIALLY COLLAPSED. 2-3 FT TREE UPROOTED. DAMAGE AT HOGAN AVE. TIME ESTIMATED BY RADAR.

0122 PM TSTM WND GST 5 ESE LAKEVILLE 44.65N 93.15W
07/10/2008 M63.00 MPH DAKOTA MN MESONET

63 MPH WIND GUST MEASURED AT FARMINGTON MIDDLE SCHOOL WEST.

0125 PM TSTM WND DMG MIESVILLE 44.60N 92.81W
07/10/2008 DAKOTA MN TRAINED SPOTTER

NUMEROUS TREES DOWN NEARLY BLOCKING HIGHWAY 50. TIME ESTIMATED BY RADAR.

0125 PM TSTM WND DMG 1 SSE NORTHFIELD 44.44N 93.16W
07/10/2008 RICE MN TRAINED SPOTTER

6 INCH DIAMETER TREE LIMB DOWNED NEAR ARCHIBALD LN.

0130 PM TSTM WND DMG 5 SSW WELCH 44.50N 92.72W
07/10/2008 GOODHUE MN PUBLIC

TREES DOWNED AT VASA. TIME ESTIMATED BY RADAR.

0130 PM TSTM WND DMG GOODHUE 44.40N 92.62W
07/10/2008 GOODHUE MN TRAINED SPOTTER

DAMAGE SWATH NORTHWEST TO SOUTHEAST ACROSS VASA, FEATHERSTONE, GOODHUE AND BELVIDERE COUNTIES. DAMAGE INCLUDED ROAD WASHED OUT, HOUSES AND BARNs DESTROYED, AND A SUBSTATION DAMAGED. A SEMI-TRUCK WAS HURLED ON ITS SIDE 1 MILE SOUTH OF HIGHWAY 58 ON COUNTY ROAD 4. TIME OF OCCURRENCE OF DAMAGE FROM 1830-1849L. TIME ASSESSED FROM RADAR.

0135 PM TSTM WND DMG 6 SW WELCH 44.51N 92.76W
07/10/2008 GOODHUE MN EMERGENCY MNGR

TREES BLOCKING ROAD AT HIGHWAY 19 AND 135TH ST. TIME ESTIMATED BY RADAR.

0140 PM TORNADO 6 SSE WELCH 44.48N 92.64W
07/10/2008 F0 GOODHUE MN NWS STORM SURVEY

EF0 TORNADO DETERMINED TO HAVE OCCURRED BY AN NWS SURVEY TEAM. THE 1 MILE LONG PATH BEGAN 3 MILES EAST OF THE COMMUNITY OF VASA AND ENDED 4 MILES EAST OF VASA. SCATTERED TREES WERE DOWNED...AS WELL AS MINOR HOUSE AND SHED DAMAGE. THE TORNADO DAMAGE WAS ACCOMPANIED BY WIDESPREAD STRAIGHT LINE WIND DAMAGE...INCLUDING DAMAGE TO SHEDS...TREES...AND ROOF DAMAGE TO A HOME. THE STRAIGHT LINE WIND DAMAGE COULD HAVE BEEN CAUSED BY WIND SPEEDS OF 75 MPH OR GREATER.

0140 PM TSTM WND DMG 2 ENE GOODHUE 44.41N 92.59W
07/10/2008 GOODHUE MN TRAINED SPOTTER

MORE THAN 30 TREES HAVE DOWNED LIMBS UP TO 2 FEET IN DIAMETER. ROOF OFF OUTBUILDING USED TO HOUSE CHICKEN AND SHEEP. 50 FT FLAGPOLE CEMENTED INTO GROUND BENT DOWN TO GROUND. TIME ESTIMATED BY RADAR.

0140 PM TSTM WND DMG 3 NW BELLECHESTER 44.41N 92.55W
07/10/2008 GOODHUE MN TRAINED SPOTTER

30 FT TALL 50 FT WIDE PIPE AND CANVAS CATTLE HOUSE BARN DOWNED AT 240TH AVE AND 370TH ST ALONG WITH A LARGE TREE BRANCH DOWNED ON CAR. NEARBY A WOODEN HAY BARN WAS DESTROYED AND AN OLD POLE SHED OPEN TO THE NORTH LOST ITS ROOF. 4 TREES ALSO SNAPPED NEAR CHURCH AND SCHOOL ALONG CO RD 4 BLVD. TIME ESTIMATED BY RADAR.

0140 PM TSTM WND DMG 5 N GOODHUE 44.47N 92.62W
07/10/2008 GOODHUE MN TRAINED SPOTTER

BARN AND TWO TURKEY BARNS DETROYED NEAR INTERSECTION OF COUNTY ROAD 1 AND 6. TIME ESTIMATED FROM RADAR.

0145 PM TSTM WND DMG 7 SW RED WING 44.51N 92.70W
07/10/2008 GOODHUE MN EMERGENCY MNGR

LOCATIONS ALL A FEW MILES SOUTH AND WEST OF HAY CREEK. INTERSECTION OF HWY 58 AND CO RD 4 TREES DOWN. CO RD 1 AND CO RD 53 POWER LINES DOWN. TREES DOWN AT CO RD 6 AND CO RD 1. TIME ESTIMATED BY RADAR.

0145 PM HAIL 5 SE RED WING 44.53N 92.52W
07/10/2008 M0.88 INCH GOODHUE MN TRAINED SPOTTER

NICKEL SIZED HAIL COVERED THE GROUND AT RED WING HIGH SCHOOL.

0147 PM HAIL RED WING 44.58N 92.60W
07/10/2008 M0.75 INCH GOODHUE MN TRAINED SPOTTER

0151 PM HAIL RED WING 44.58N 92.60W
07/10/2008 M0.75 INCH GOODHUE MN EMERGENCY MNGR

0151 PM TSTM WND DMG NORTHFIELD 44.45N 93.17W
 07/10/2008 RICE MN LAW ENFORCEMENT

TWO AND ONE HALF FOOT TREE FELLED.

0157 PM HAIL 2 N NERSTRAND 44.37N 93.06W
 07/10/2008 E0.88 INCH RICE MN TRAINED SPOTTER

0208 PM HAIL COLD SPRING 45.46N 94.43W
 07/10/2008 M0.75 INCH STEARNS MN TRAINED SPOTTER

0220 PM HAIL 1 S STOCKHOLM 44.46N 92.26W
 07/10/2008 M0.75 INCH GOODHUE MN TRAINED SPOTTER

HAIL OCCURRED IN LAKE CITY ON HIGHWAY 61.

0221 PM HAIL 3 S MENOMONIE 44.84N 91.91W
 07/10/2008 M0.75 INCH DUNN WI TRAINED SPOTTER

OCCURRED IN THE CITY OF DOWNSVILLE.

0644 PM HAIL 5 SSW AMERY 45.23N 92.39W
 07/10/2008 M1.75 INCH POLK WI TRAINED SPOTTER

0718 PM HAIL 7 SE RIDGELAND 45.13N 91.80W
 07/10/2008 M1.25 INCH DUNN WI TRAINED SPOTTER

QUARTERS TO HALF DOLLARS.

0720 PM HAIL 3 SSW SAND CREEK 45.13N 91.71W
 07/10/2008 E1.00 INCH DUNN WI TRAINED SPOTTER

0750 PM HAIL JIM FALLS 45.05N 91.27W
 07/10/2008 M0.75 INCH CHIPPEWA WI TRAINED SPOTTER

Rainfall Amounts

MAX/MIN TEMPERATURE AND PRECIPITATION TABLE FOR
 CENTRAL AND SOUTH CENTRAL MINNESOTA AND WEST CENTRAL WISCONSIN
 NATIONAL WEATHER SERVICE TWIN CITIES/CHANHASSEN MN
 1031 AM CDT THU JUN 12 2008

VALUES REPRESENT YESTERDAYS HIGHS...LOW OVER THE LAST 12 HOURS
 AND PRECIPITATION OVER THE LAST 24 HOURS ENDING AT 6AM

.BR MSP 0612 C DH00/TX/DH06/TAIRZP/PP
 :
 :
 : STATION MAX MIN 24-HR
 : NAME TEMP TEMP PCPN
 AXN : ALEXANDRIA MN ARPT : 62 / 49 / 1.41
 EAU : EAU CLAIRE WI ARPT : 70 / 58 / 1.04
 STC : ST CLOUD MN ARPT : 65 / 56 / 1.36
 MIC : CRYSTAL MN ARPT : 69 / 61 / 1.74

MSP : MINNEAPOLIS MN ARPT : 70 / 60 / 0.97
 STP : ST PAUL MN ARPT : 70 / 63 / 1.32
 FCM : EDEN PRAIRIE MN ARPT : 70 / 60 / 1.62
 RWF : REDWOOD FALLS MN ARPT : 69 / 57 / 1.00
 .END

:
 :
 : COOPERATIVE OBSERVER REPORTS
 : VALUES ARE FOR THE PREVIOUS 24 HOURS ENDING BETWEEN 6 AM AND
 : 8 AM LOCAL TIME UNLESS OTHERWISE NOTED
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STATION	MAX	MIN	24-HR
NAME	TEMP	TEMP	PCPN
:MINNESOTA			
ALBM5 : ALBERT LEA	: 76	/ 58	/ 2.02 /
BWNM5 : BROWNTON WWTP	: M	/ M	/ 1.10 /
BUFM5 : BUFFALO	: 66	/ 54	/ 1.92 /
CLSM5 : CARLOS (ALEXANDRIA AREA)	: M	/ M	/ 1.50 /
MPXM5 : CHANHASSEN MN WFO	: 70	/ 58	/ 1.73 /
CHNM5 : CHANHASSEN 2SW	: M	/ M	/ 1.70 /
DANM5 : DANUBE 2N	: M	/ M	/ 0.89 /
DSLM5 : DASSEL	: 67	/ 55	/ 1.39 /
FIRM5 : FAIRMONT	: 77	/ 58	/ 1.02 /
FBTM5 : FARIBAULT	: 74	/ 57	/ 1.00 /
FORM5 : FOREST LAKE	: 67	/ 54	/ 1.24 /
FDYM5 : FRIDLEY	: M	/ M	/ 1.66 /
GLDM5 : GAYLORD	: 70	/ 57	/ 2.02 /
HAMM5 : HAMBURG	: M	/ M	/ 2.74 /
HSTM5 : HASTINGS L/D 2	: M	/ M	/ 1.12 /
JORM5 : JORDAN 2E	: 72	/ 53	/ 1.18 /
LSTM5 : LESTER PRAIRIE	: M	/ M	/ 2.14 /
LCHM5 : LITCHFIELD	: 66	/ 55	/ 2.35 /
LFLM5 : LITTLE FALLS	: M	/ M	/ 1.40 /
LNGM5 : LONG PRAIRIE	: 62	/ 49	/ 1.11 /
MADM5 : MADISON	: M	/ M	/ 1.81 /
MWDM5 : MAPLEWOOD	: M	/ M	/ 1.03 /
MLRM5 : MELROSE	: 64	/ 50	/ 1.49 /
MLCM5 : MILACA	: 63	/ 48	/ 2.49 /
LSAM5 : MINNEAPOLIS LOWER ST ANT	: M	/ M	/ 0.95 /
MGMM5 : MONTGOMERY	: M	/ M	/ 0.75 /
MRAM5 : MORA	: M	/ M	/ 2.84 /
MGNM5 : MORGAN	: M	/ M	/ 0.44 /
MRRM5 : MORRIS	: 60	/ 49	/ 1.78 /
NEWM5 : NEW LONDON	: 64	/ 52	/ 0.46 /
ONMM5 : ONAMIA	: M	/ M	/ 1.54 /
RDWM5 : RED WING L/D 3	: 72	/ 58	/ 1.40 /
REWM5 : REDWOOD FALLS	: M	/ M	/ 1.31 /
RCEM5 : RICE	: 65	/ 49	/ 1.48 /
RFDM5 : ROCKFORD	: M	/ M	/ 2.00 /
SCOM5 : ST CLOUD SCSU	: M	/ M	/ 1.40 /
SNTM5 : ST PAUL 3SW	: 68	/ 58	/ 1.17 /
SHRM5 : SHERBURN	: M	/ M	/ 0.34 /
STIM5 : STILLWATER 2SW	: 67	/ 56	/ 1.56 /
SWRM5 : STILLWATER	: M	/ M	/ 1.43 /
VESM5 : VESTA	: M	/ M	/ 1.18 /
VCTM5 : VICTORIA	: M	/ M	/ 2.82 /

WACM5	:	WACONIA	:	M	/	M	/	3.05	/
WASM5	:	WASECA	:	74	/	58	/	1.24	/
WTTM5	:	WATERTOWN	:	M	/	M	/	2.70	/
WLDM5	:	WILD RIVER STATE PARK	:	66	/	54	/	1.11	/
WLLM5	:	WILLMAR	:	66	/	53	/	1.10	/
WNNM5	:	WINNEBAGO	:	76	/	58	/	0.75	/
ZBRM5	:	ZUMBROTA	:	74	/	60	/	2.53	/
:WISCONSIN									
AGSW3	:	AUGUSTA RANGER STATION	:	66	/	58	/	1.03	/
BMRW3	:	BLOOMER WI	:	66	/	57	/	1.43	/
BALW3	:	BALDWIN WI	:	M	/	M	/	1.67	/
BGFW3	:	BIG FALLS HYDRO WI	:	63	/	53	/	1.15	/
CHPW3	:	CHIPPEWA FALLS	:	M	/	M	/	1.03	/
CBLW3	:	CUMBERLAND WI	:	69	/	52	/	2.26	/
DRDW3	:	DURAND	:	72	/	60	/	1.50	/
ELRW3	:	EAU CLAIRE 3SW	:	68	/	59	/	0.96	/
HAMW3	:	HAMMOND	:	M	/	M	/	1.34	/
JIMW3	:	JIM FALLS WI	:	65	/	54	/	1.11	/
LDSW3	:	LADYSMITH 3W	:	61	/	52	/	1.90	/
ROBW3	:	ROBERTS	:	M	/	M	/	1.07	/
STAW3	:	STANLEY WI	:	65	/	56	/	0.92	/

TEMPERATURE DATA REPRESENT THE HIGHEST AND LOWEST TEMPERATURES REPORTED ON A STATIONS OBSERVATIONS TRANSMITTED THREE TIMES AN HOUR AND MAY NOT NECESSARILY BE THE HIGHEST OR LOWEST TEMPERATURE THAT OCCURRED AT THE SITE. THE PRECIPITATION VALUE AT THESE SITES IS AN ESTIMATE BASED ON THE P-GROUP IN THE OBSERVATION. SNOWFALL AND SNOW DEPTH ARE REPORTED WHEN CURRENT DATA IS AVAILABLE.