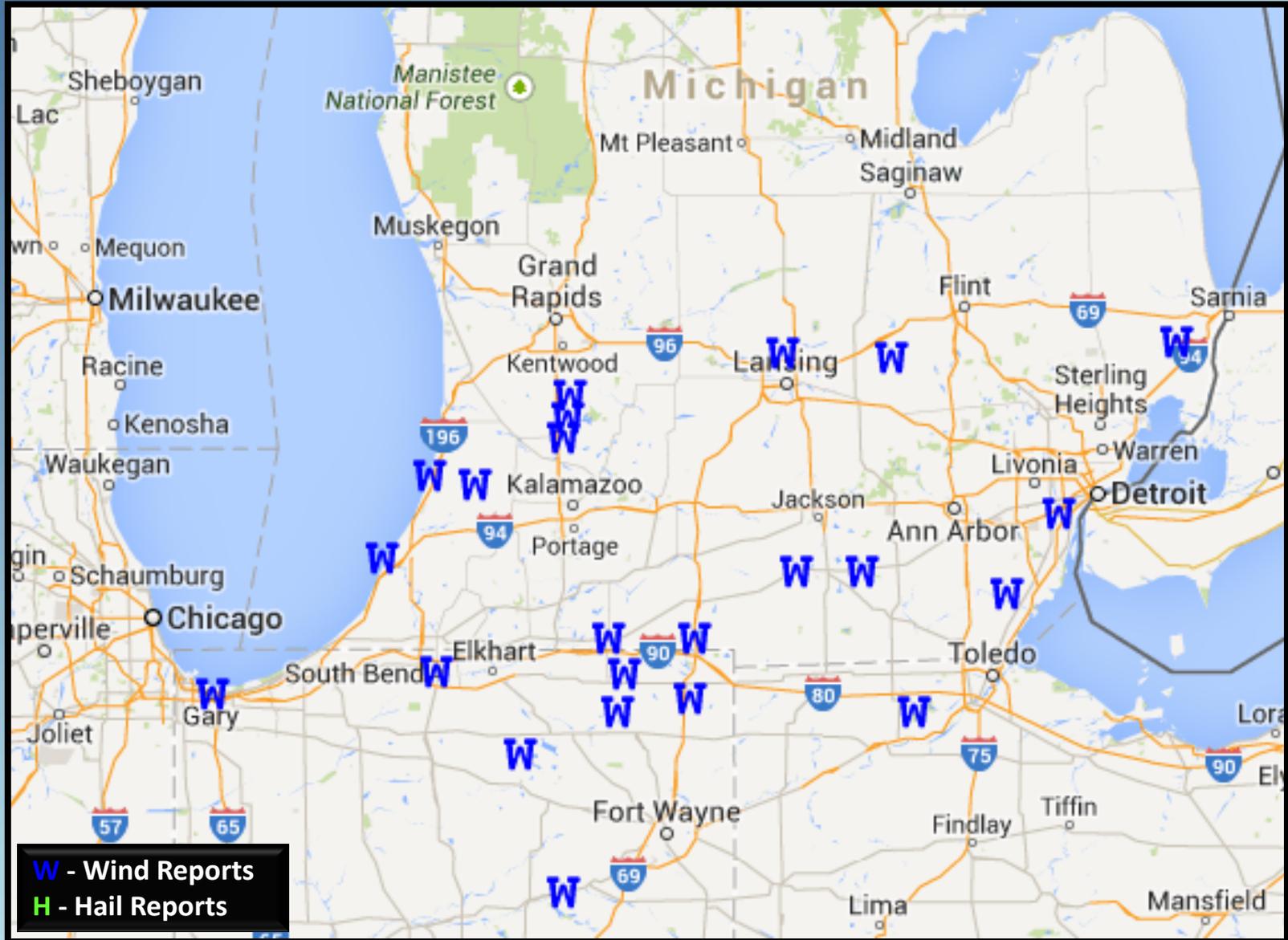


Severe Weather Event – August 19, 2014



W - Wind Reports
H - Hail Reports



NWS Grand Rapids
weather.gov/grr

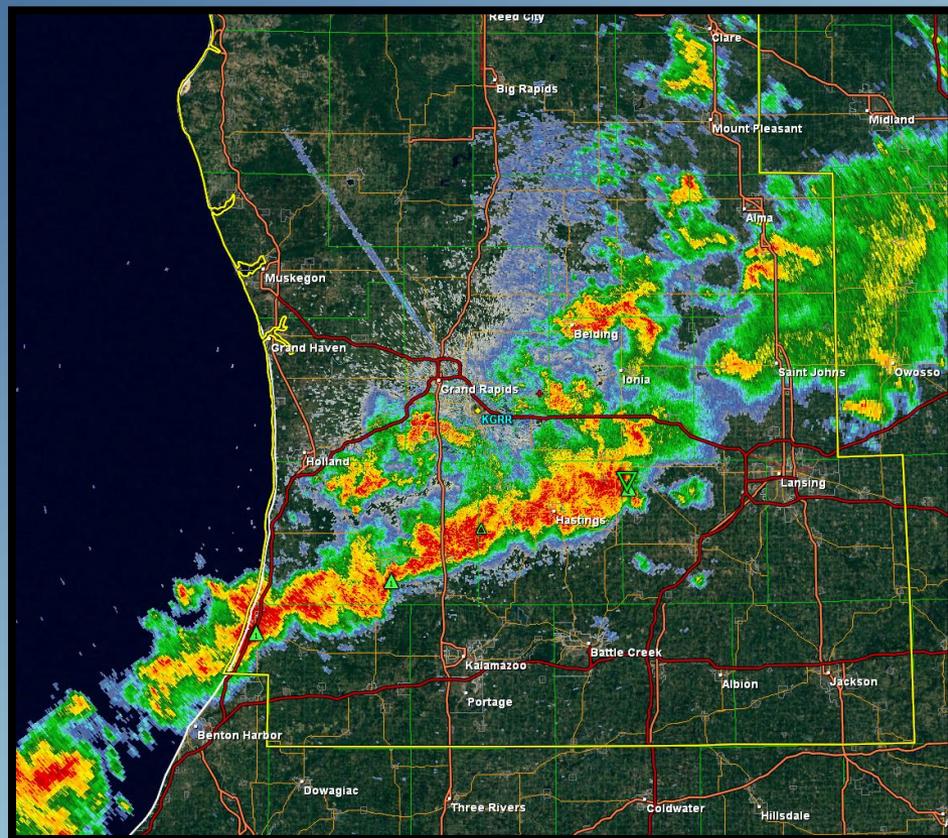


facebook.com/NWSGrandRapids

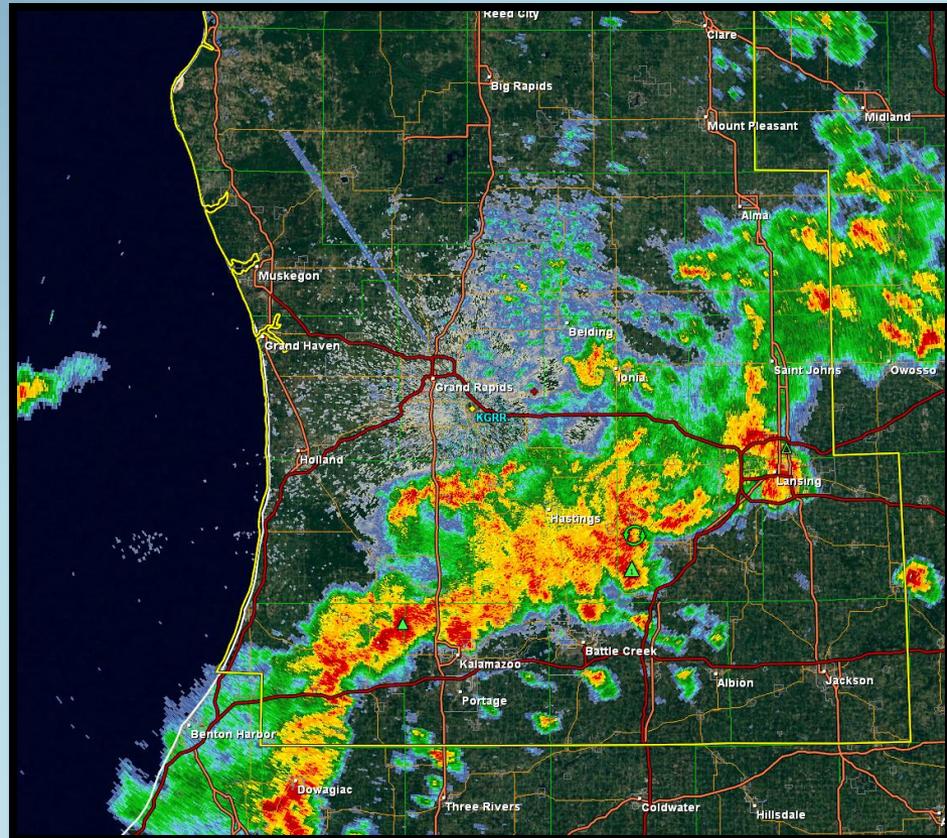


[@NWSGrandRapids](https://twitter.com/NWSGrandRapids)

Radar Images



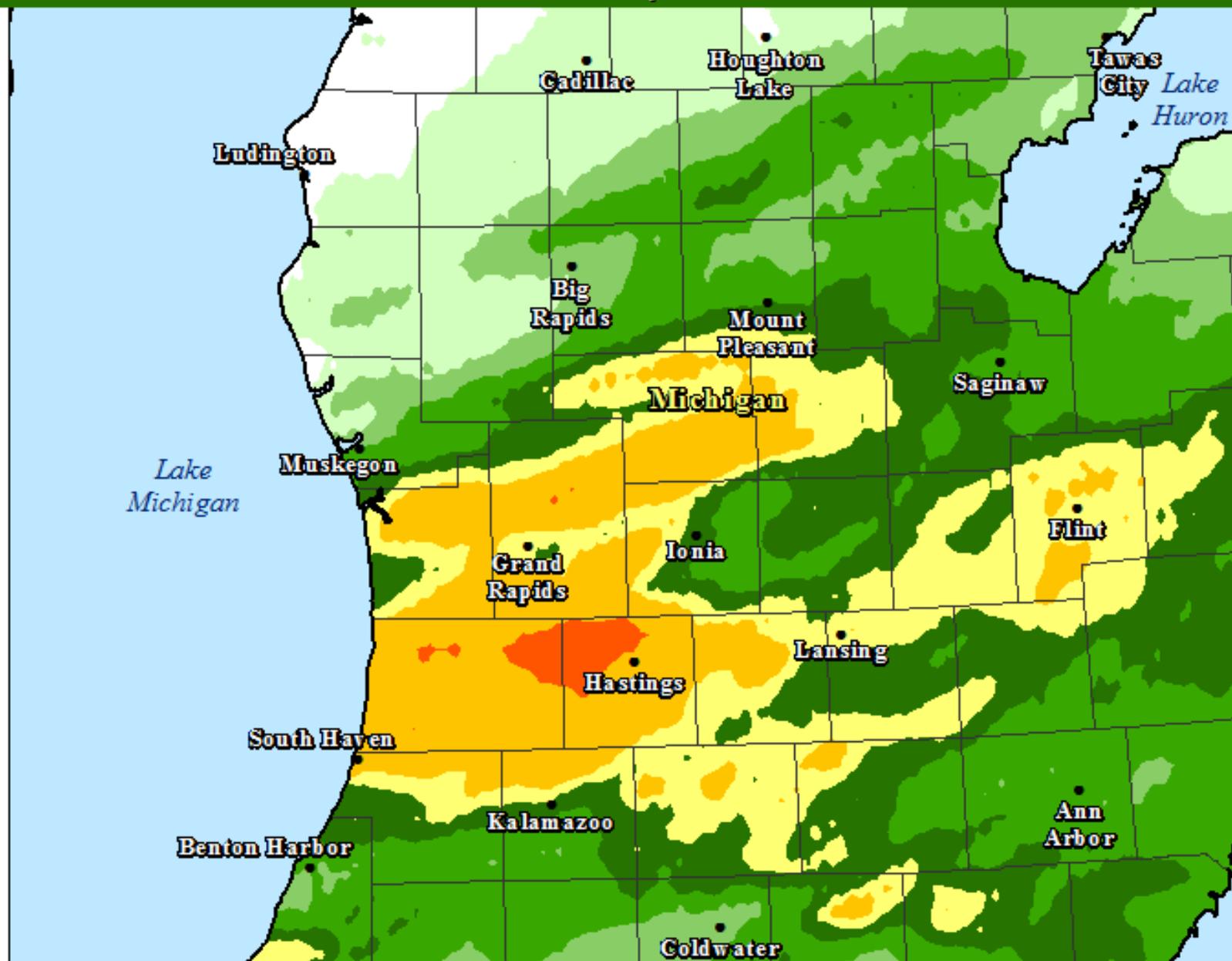
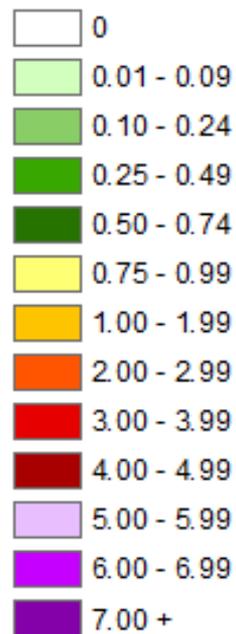
2:35 p.m.



3:26 p.m.

24-Hour Observed Precipitation

Inches



0 25 50 Miles

Source: NWS Advanced Hydrologic Prediction Service

Created: 08/20/2014 1700 UTC

Severe Weather Reports

PRELIMINARY LOCAL STORM REPORT...SUMMARY
NATIONAL WEATHER SERVICE GRAND RAPIDS MI
419 PM EDT WED AUG 20 2014

...TIME... ..EVENT... ..CITY LOCATION... ..LAT.LON...
...DATE... ..MAG.... ..COUNTY LOCATION..ST.. ..SOURCE....
..REMARKS..

0327 PM NON-TSTM WND GST 4 S DEWITT 42.78N 84.59W
08/19/2014 M47 MPH CLINTON MI ASOS

ASOS STATION CAPITAL CITY AIRPORT /LAN/

0358 PM NON-TSTM WND GST 3 NE PORTAGE 42.23N 85.55W
08/19/2014 M44 MPH KALAMAZOO MI ASOS

ASOS STATION KZOO/BATTLE CREEK INTL AIRPORT
/AZO/

0817 AM HEAVY RAIN 3 NW RICHLAND 42.40N 85.51W
08/20/2014 M3.86 INCH KALAMAZOO MI MESONET

MESONET STATION 3 WNW RICHLAND /CW0158/
HEAVY RAIN DURATION 24 HOURS.

0557 PM HEAVY RAIN 1 NE IRVING 42.70N 85.40W
08/19/2014 M3.55 INCH BARRY MI MESONET

MESONET STATION 1 ENE IRVING /DW3807/ HEAVY
RAIN DURATION 12 HOURS.

0817 AM HEAVY RAIN 1 NE IRVING 42.70N 85.40W
08/20/2014 M3.44 INCH BARRY MI MESONET

MESONET STATION 1 ENE IRVING /DW3807/ HEAVY
RAIN DURATION 24 HOURS.

0335 PM HEAVY RAIN SOUTH HAVEN 42.40N 86.27W
08/19/2014 M2.65 INCH VAN BUREN MI PUBLIC

REPORT RELAYED BY WWMT. HEAVY RAIN DURATION
45 MINUTES.

0422 PM HEAVY RAIN 2 NE COMSTOCK PARK 43.06N 85.65W
08/19/2014 M2.56 INCH KENT MI TRAINED SPOTTER

STORM TOTAL RAINFALL. 2.07 INCHES FELL
BETWEEN NOON-1:45 PM.

0247 PM HEAVY RAIN 1 NNW MIDDLEVILLE 42.73N 85.48W
08/19/2014 M2.50 INCH BARRY MI PUBLIC

HEAVY RAIN DURATION 45 MINUTES.

0525 PM HEAVY RAIN 3 W HOWARD CITY 43.40N 85.53W
08/19/2014 M2.50 INCH MONTCALM MI PUBLIC

0700 AM HEAVY RAIN 2 W WAYLAND 42.67N 85.68W
08/20/2014 M2.36 INCH ALLEGAN MI COCORAHS

COCORAHS STATION 2 W WAYLAND /77680/
HEAVY RAIN DURATION 24 HOURS.

0403 PM HEAVY RAIN BYRON CENTER 42.81N 85.72W
08/19/2014 M2.32 INCH KENT MI PUBLIC

0625 AM HEAVY RAIN 2 NW BELMONT 43.09N 85.64W
08/20/2014 M2.28 INCH KENT MI COCORAHS

COCORAHS STATION 2 WNW BELMONT /2017B/
HEAVY RAIN DURATION 24 HOURS.

0523 PM HEAVY RAIN 1 W BRADLEY 42.63N 85.66W
08/19/2014 M2.17 INCH ALLEGAN MI MESONET

MESONET STATION 1 W BRADLEY /BDLM4/
HEAVY RAIN DURATION 12 HOURS.

0550 PM HEAVY RAIN CUTLERVILLE 42.84N 85.66W
08/19/2014 M2.11 INCH KENT MI MESONET

MESONET STATION CUTLERVILLE /DW9320/
HEAVY RAIN DURATION 12 HOURS.

0554 PM HEAVY RAIN 4 E ALLEGAN 42.52N 85.77W
08/19/2014 M2.11 INCH ALLEGAN MI MESONET

MESONET STATION 4 E ALLEGAN /DW6933/
HEAVY RAIN DURATION 12 HOURS.

0228 PM HEAVY RAIN BYRON CENTER 42.81N 85.72W
08/19/2014 M2.10 INCH KENT MI PUBLIC

HEAVY RAIN DURATION 1 HOUR.

0345 PM HEAVY RAIN 1 WNW GREENVILLE 43.18N 85.27W
08/19/2014 M2.10 INCH MONTCALM MI TRAINED SPOTTER

0600 AM HEAVY RAIN 2 WSW KENTWOOD 42.87N 85.62W
08/20/2014 M2.09 INCH KENT MI COCORAHS

COCORAHS STATION 2 WSW KENTWOOD /84510/
HEAVY RAIN DURATION 24 HOURS.

0747 AM HEAVY RAIN CUTLERVILLE 42.84N 85.66W
08/20/2014 M2.04 INCH KENT MI MESONET

MESONET STATION CUTLERVILLE /DW9320/
HEAVY RAIN DURATION 24 HOURS.

Severe Weather Reports

0723 AM HEAVY RAIN 1 W BRADLEY 42.63N 85.66W
08/20/2014 M2.03 INCH ALLEGAN MI MESONET

MESONET STATION 1 W BRADLEY /BDLM4/ HEAVY RAIN DURATION 24 HOURS.

0300 PM HEAVY RAIN 1 WNW BELMONT 43.08N 85.63W
08/19/2014 M2.02 INCH KENT MI COCORAHS

0816 AM HEAVY RAIN 4 E ALLEGAN 42.52N 85.77W
08/20/2014 M2.01 INCH ALLEGAN MI MESONET

MESONET STATION 4 E ALLEGAN /DW6933/ HEAVY RAIN DURATION 24 HOURS.

0415 PM HEAVY RAIN 1 NNE DUTTON 42.86N 85.58W
08/19/2014 M1.98 INCH KENT MI TRAINED SPOTTER

0617 PM HEAVY RAIN 3 NW RICHLAND 42.40N 85.51W
08/19/2014 M1.96 INCH KALAMAZOO MI MESONET

MESONET STATION 3 WNW RICHLAND /CW0158/ HEAVY RAIN DURATION 12 HOURS.

0616 PM HEAVY RAIN 2 WNW BRADLEY 42.64N 85.68W
08/19/2014 M1.95 INCH ALLEGAN MI MESONET

MESONET STATION 2 WNW BRADLEY /CW5467/ HEAVY RAIN DURATION 12 HOURS.

0700 AM HEAVY RAIN 1 W HASTINGS 42.65N 85.30W
08/20/2014 M1.92 INCH BARRY MI CO-OP OBSERVER

CO-OP OBSERVER STATION HASTINGS /HASM4/ HEAVY RAIN DURATION 24 HOURS.

0620 PM HEAVY RAIN 1 NNW NORTON SHORES 43.17N 86.26W
08/19/2014 M1.90 INCH MUSKEGON MI MESONET

MESONET STATION 1 NW NORTON SHORES /CW5327/ HEAVY RAIN DURATION 12 HOURS.

0753 AM HEAVY RAIN 3 ENE KENTWOOD 42.89N 85.54W
08/20/2014 M1.88 INCH KENT MI ASOS

ASOS STATION GERALD R FORD INTL /GRR/ HEAVY RAIN DURATION 24 HOURS.

0420 PM HEAVY RAIN HASTINGS 42.65N 85.29W
08/19/2014 M1.86 INCH BARRY MI CO-OP OBSERVER

STORM TOTAL RAINFALL.

0816 AM HEAVY RAIN 2 WNW BRADLEY 42.64N 85.68W
08/20/2014 M1.86 INCH ALLEGAN MI MESONET

MESONET STATION 2 WNW BRADLEY /CW5467/ HEAVY RAIN DURATION 24 HOURS.

0700 AM HEAVY RAIN 1 SSW ROCKFORD 43.12N 85.56W
08/20/2014 M1.81 INCH KENT MI CO-OP OBSERVER

CO-OP OBSERVER STATION ROCKFORD /RFD4/ HEAVY RAIN DURATION 24 HOURS.

0700 AM HEAVY RAIN 4 S PULLMAN 42.42N 86.08W
08/20/2014 M1.77 INCH ALLEGAN MI COCORAHS

COCORAHS STATION 1 NNW GRAND JUNCTION /5604V/ HEAVY RAIN DURATION 24 HOURS.

0625 AM HEAVY RAIN 1 SSW DUTTON 42.83N 85.59W
08/20/2014 M1.71 INCH KENT MI COCORAHS

COCORAHS STATION 1 SSW DUTTON /77970/ HEAVY RAIN DURATION 24 HOURS.

0753 AM HEAVY RAIN 5 E CASTLE PARK 42.74N 86.11W
08/20/2014 M1.63 INCH ALLEGAN MI ASOS

ASOS STATION W MICH REGIONAL ARPT /BIV/ HEAVY RAIN DURATION 24 HOURS.

0700 AM HEAVY RAIN 1 NNE HOPKINS 42.63N 85.76W
08/20/2014 M1.53 INCH ALLEGAN MI COCORAHS

COCORAHS STATION HOPKINS /8668B/ HEAVY RAIN DURATION 24 HOURS.

0531 PM HEAVY RAIN 3 SW BROWNLEE PARK 42.30N 85.17W
08/19/2014 M1.30 INCH CALHOUN MI COUNTY OFFICIAL

1033 PM HEAVY RAIN 1 WSW NORTON SHORES 43.15N 86.27W
08/19/2014 M1.24 INCH MUSKEGON MI MESONET

MESONET STATION 1 WSW NORTON SHORES /AT191/ HEAVY RAIN DURATION 24 HOURS.

0140 PM HEAVY RAIN 2 S ROCKFORD 43.09N 85.56W
08/19/2014 M1.20 INCH KENT MI TRAINED SPOTTER

MINOR STREET FLOODING. HEAVY RAIN DURATION 1 HOUR 10 MINUTES.

0730 AM HEAVY RAIN 2 N LOWELL 42.97N 85.35W
08/20/2014 M1.20 INCH KENT MI COCORAHS

COCORAHS STATION 2 N LOWELL /6529V/ HEAVY RAIN DURATION 24 HOURS.

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0600 AM 08/20/2014	HEAVY RAIN M1.18 INCH	BLOOMINGDALE VAN BUREN	MI	42.38N 85.97W CO-OP OBSERVER
CO-OP OBSERVER STATION BLOOMINGDALE /BLMM4/ HEAVY RAIN DURATION 24 HOURS.				
0700 AM 08/20/2014	HEAVY RAIN M1.18 INCH	1 WNW ALMA GRATIOT	MI	43.38N 84.67W CO-OP OBSERVER
CO-OP OBSERVER STATION ALMA /ALMM4/ HEAVY RAIN DURATION 24 HOURS.				
0820 AM 08/20/2014	HEAVY RAIN M1.18 INCH	1 ESE BROWNLEE PARK CALHOUN	MI	42.32N 85.11W MESONET
MESONET STATION 1 E BROWNLEE PARK /AU906/ HEAVY RAIN DURATION 24 HOURS.				
0700 AM 08/20/2014	HEAVY RAIN M1.14 INCH	3 W SPARTA KENT	MI	43.16N 85.76W COCORAHS
COCORAHS STATION 3 W SPARTA /79820/ HEAVY RAIN DURATION 24 HOURS.				
0700 AM 08/20/2014	HEAVY RAIN M1.12 INCH	4 SE MCBRIDE MONTCALM	MI	43.31N 84.99W COCORAHS
COCORAHS STATION 5 ENE STANTON /8713B/ HEAVY RAIN DURATION 24 HOURS.				
0700 AM 08/20/2014	HEAVY RAIN M1.06 INCH	2 SE ALASKA KENT	MI	42.82N 85.45W COCORAHS
COCORAHS STATION 2 SE ALASKA /75780/ HEAVY RAIN DURATION 24 HOURS.				
0700 AM 08/20/2014	HEAVY RAIN M1.01 INCH	2 N SUNSET BEACH JACKSON	MI	42.12N 84.20W CO-OP OBSERVER
CO-OP OBSERVER STATION 2 ENE BROOKLYN /BKNM4/ HEAVY RAIN DURATION 24 HOURS.				
0700 AM 08/20/2014	HEAVY RAIN M1.01 INCH	1 SSW WAVERLY EATON	MI	42.72N 84.63W COCORAHS
COCORAHS STATION 1 SSW WAVERLY /9547A/ HEAVY RAIN DURATION 24 HOURS.				
0604 AM 08/19/2014	HEAVY RAIN M1.00 INCH	SCOTTVILLE MASON	MI	43.95N 86.28W BROADCAST MEDIA
RAINFALL SINCE LAST NIGHT. RELAYED BY 7 AND 4 NEWS.				
0700 AM 08/20/2014	HEAVY RAIN M1.00 INCH	1 NW MARSHALL CALHOUN	MI	42.27N 84.97W CO-OP OBSERVER
CO-OP OBSERVER STATION MARSHALL /MARM4/ HEAVY RAIN DURATION 24 HOURS.				

0826 AM 08/20/2014	HEAVY RAIN M1.00 INCH	1 SE SPRING LAKE OTTAWA	MI	43.06N 86.17W MESONET
MESONET STATION 1 ESE SPRING LAKE /AS178/ HEAVY RAIN DURATION 24 HOURS.				
0145 PM 08/19/2014	HEAVY RAIN MO.98 INCH	2 W WAYLAND ALLEGAN	MI	42.67N 85.68W COCORAHS
STILL RAINING MODERATELY AT OBSERVATION. NO FLOODING AT THIS TIME. HEAVY RAIN DURATION 28 MINUTES.				
0700 AM 08/20/2014	HEAVY RAIN MO.98 INCH	2 WSW GRAND VALLEY OTTAWA	MI	42.97N 85.90W CO-OP OBSERVER
CO-OP OBSERVER STATION 3 ESE ALLENDALE /ALDM4/ HEAVY RAIN DURATION 24 HOURS.				
0822 AM 08/20/2014	HEAVY RAIN MO.97 INCH	3 SE CEDAR SPRINGS KENT	MI	43.19N 85.51W MESONET
MESONET STATION 3 SE CEDAR SPRINGS /CW8075/ HEAVY RAIN DURATION 24 HOURS.				
0825 AM 08/20/2014	HEAVY RAIN MO.97 INCH	1 NW JACKSON JACKSON	MI	42.26N 84.43W MESONET
MESONET STATION 1 WNW JACKSON /DW7571/ HEAVY RAIN DURATION 24 HOURS.				
0809 AM 08/20/2014	HEAVY RAIN MO.93 INCH	2 SSW CERESCO CALHOUN	MI	42.24N 85.07W MESONET
MESONET STATION 2 SSW CERESCO /AT629/ HEAVY RAIN DURATION 24 HOURS.				
0700 AM 08/20/2014	HEAVY RAIN MO.92 INCH	1 ENE BEECHWOOD OTTAWA	MI	42.80N 86.12W CO-OP OBSERVER
CO-OP OBSERVER STATION HOLLAND /HOLM4/ HEAVY RAIN DURATION 24 HOURS.				
0155 PM 08/19/2014	TSTM WND DMG	1 NE SHELBYVILLE ALLEGAN	MI	42.61N 85.62W NWS EMPLOYEE
DELAYED REPORT. NUMEROUS TREES AND BRANCHES DOWN AT ORCHARD HILLS GOLF COURSE. TIME APPROXIMATE FROM RADAR.				
0230 PM 08/19/2014	TSTM WND DMG	MARTIN ALLEGAN	MI	42.54N 85.64W NWS EMPLOYEE
DELAYED REPORT. LARGE TREE UPROOTED AND LARGE BRANCHES DOWN IN YARD. TIME APPROXIMATE FROM RADAR.				

Severe Weather Reports

0238 PM 08/19/2014	TSTM WND DMG	SOUTH HAVEN VAN BUREN	MI	42.40N 86.27W COUNTY OFFICIAL
WIDESPREAD TREES DOWN IN SOUTH HAVEN. SEVERAL OTHER REPORTS OF TREES DOWN FROM THE WESTERN HALF OF VAN BUREN COUNTY.				
0249 PM 08/19/2014	TSTM WND DMG	2 N BREEDSVILLE VAN BUREN	MI	42.37N 86.07W PUBLIC
TREES DOWN NEAR GRAND JUNCTION. REPORT RELAYED BY WWMT. TIME ESTIMATED FROM RADAR.				
0252 PM 08/19/2014	TSTM WND DMG	2 ENE WAYLAND ALLEGAN	MI	42.69N 85.60W COUNTY OFFICIAL
DELAYED REPORT: 3 TREES DOWN AT 137TH AND 6TH ST IN WAYLAND. TIME ESTIMATED FROM RADAR.				
0255 PM 08/19/2014	TSTM WND DMG	2 S BLOOMINGDALE VAN BUREN	MI	42.35N 85.96W PUBLIC
SEVERAL TREES DOWN NEAR 380 AND 665 AND ALONG 43.				
0341 PM 08/19/2014	TSTM WND DMG	DEWITT CLINTON	MI	42.84N 84.57W LAW ENFORCEMENT
LARGE TREE DOWN AND BLOCKING ROAD AT DILL AND BRIDGE IN DEWITT.				
0411 PM 08/19/2014	FLOOD	OTSEGO ALLEGAN	MI	42.46N 85.70W PUBLIC
SOME FLOODED BASEMENTS IN OTSEGO. M89 IS DOWN TO ONE LANE DUE TO STANDING WATER.				
0432 PM 08/19/2014	FLOOD	1 NW BROWNLEE PARK CALHOUN	MI	42.33N 85.14W PUBLIC
4-5 FEET OF STANDING WATER OVER THE ROAD AT RAYMOND AND EMMETT IN BATTLE CREEK. ROAD IS IMPASSABLE.				
0449 PM 08/19/2014	FLOOD	2 E SPRINGFIELD CALHOUN	MI	42.32N 85.20W PUBLIC
FLOODING UNDER BRIDGE AT UPTON AND DICKMAN ROADS IN BATTLE CREEK WITH A STALLED OUT CAR.				