



MET Stations and Web Cams

The **Real-Time Meteorological Observations Network** consists of meteorological stations in Milwaukee, Kenosha, Chicago, Muskegon, Saugatuck, Michigan City, and Alpena. Each station provides observations and time-series plots at 5-minute intervals that are made available to the entire Great Lakes community through the GLERL website and the NOAAPORT system. Such observations include wind speed, wind gust, wind direction, and air temperature. In addition, the Muskegon Met Station observations include dew point, relative humidity, station pressure, sea level pressure, and photo-synthetically active radiation (PAR). Chicago, Muskegon, and Alpena stations are all equipped with WebCams that collect and display digital images from the station.

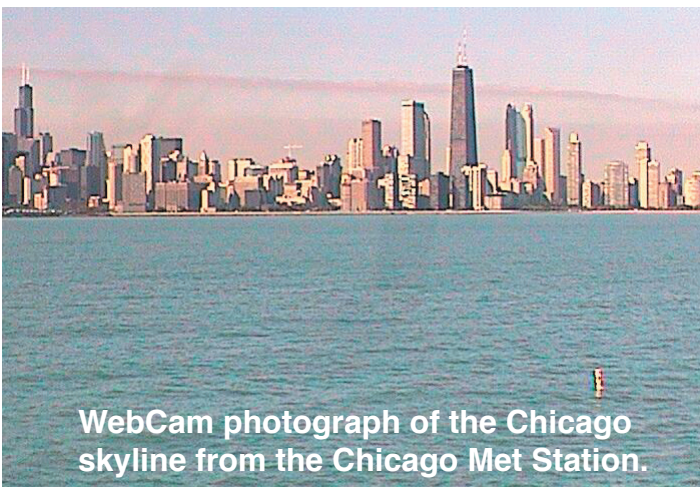
Real-Time Meteorological Observation Stations



www.glerl.noaa.gov/metdata

Web Cam Stations: Met Data Stations:

- | | |
|----------------|---------------------|
| ◆ Muskegon, MI | ◆ Alpena, MI |
| ◆ Alpena, MI | ◆ Muskegon, MI |
| ◆ Chicago, IL | ◆ Saugatuck, MI |
| | ◆ Michigan City, IN |
| | ◆ Chicago, IL |
| | ◆ Kenosha, WI |
| | ◆ Milwaukee, WI |



WebCam photograph of the Chicago skyline from the Chicago Met Station.

The Met Station provides vital weather data that scientists incorporate within complex computer models used to produce nowcasts and forecasts of waves and circulation available on the Great Lakes Coastal Forecasting System (<http://superior.eng.ohio-state.edu>). Observations from these stations are also provided to the National Weather Service (NWS) marine forecast offices at Milwaukee, Chicago, and Grand Rapids in real-time. Fishers, boaters, surfers, and other recreational users have found the real-time conditions and WebCam images particularly useful in making plans for when and where to venture out on the waters.



NOAA, Great Lakes Environmental Research Laboratory
 2205 Commonwealth Blvd., Ann Arbor, MI 48105
 734-741-2235 September 2002
www.glerl.noaa.gov



Real-Time Meteorological Data -- Muskegon, MI

Conditions at 10:40 am EDT on 09/16/2002 (DOY 259 14:40 GMT)
(Updated at about :00, :15, :30, :45)

Click on the parameter name to see a 5-day plot

Wind Speed:	4.90 kts (2.52 m/s)
Max Wind Speed:	6.10 kts (3.14 m/s)
Wind Direction:	195 ° (SSW)
Air Temperature:	63.5 °F (17.5 °C)
Dew Point:	54.0 °F (12.2 °C)
Relative Humidity:	70.7 %
Station Pressure:	998.00 mb (29.47 in Hg.)
Sea Level Pressure:	1019.98 mb (30.12 in Hg.)
PAR:	110.40 E15 quantum/cm ² /sec
Previous 3 hours (5 minute increments)	

Current conditions and four WebCam views available on Sept. 16, 2002 at the Muskegon Met Station website.

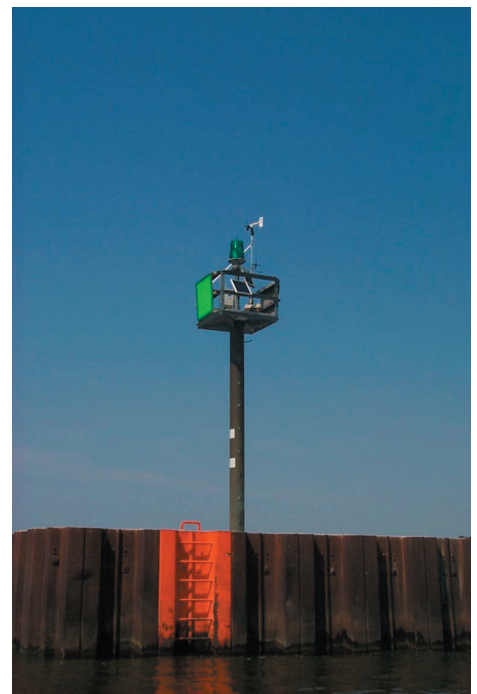


www.glerl.noaa.gov/webcams

www.glerl.noaa.gov/metdata

Sponsors/Contributors/Collaborators:

- ◆ NOAA/GLERL
- ◆ National Weather Service
- ◆ USCG Group Milwaukee
- ◆ USCG Aids to Navigation Team Kenosha
- ◆ USCG Group Grand Haven
- ◆ USCG Station Michigan City
- ◆ Thunder Bay National Marine Sanctuary and Underwater Preserve
- ◆ City of Chicago
- ◆ City of Milwaukee
- ◆ City of Kenosha
- ◆ U.S. Army Corps of Engineers Waterways Experiment Station



Meteorological station at Saugatuck Harbor Pier Light. Station is equipped with anemometer, wind direction vane, and phone model for data download.

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For more information on the Met Stations, WebCams, or other GLERL programs, please contact: GLERL Information Services, 2205 Commonwealth Blvd., Ann Arbor, MI 48105. 734-741-2262 or visit our website at: www.glerl.noaa.gov