

NOAA MRMS Hail

The Multi-Radar Multi-Sensor (MRMS) Hail footprints provide radar-detected maximum expected hail sizes at the surface for a given event period.

Coverage area & data available

- continental United States and Canada maximum expected hail size derived from radar.

Update frequency

Event data is updated in near real-time with continuous radar ingestion, and finalized daily.

Enhanced columns

We enhance your data with a column that you can view and filter by:

- Hail Event (MRMS) [Date/Time]

What the data means

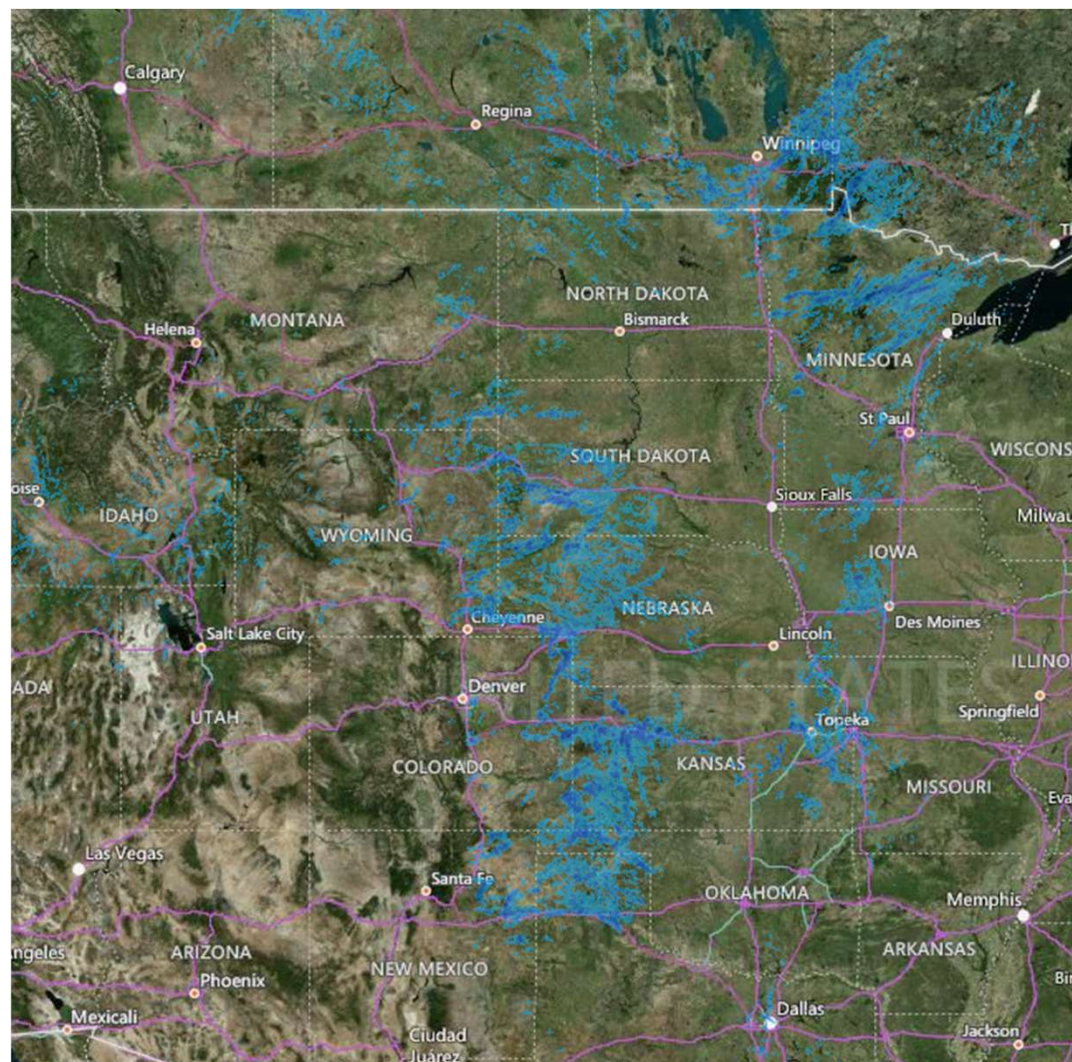
MRMS hail size represents the Maximum Expected Size of Hail (MESH), calculated using radar reflectivity, environmental conditions, and multi-sensor data integration. The system combines inputs from radar networks, surface observations, satellite data, and forecast models to improve accuracy.

Exported Columns

The model you enhanced your data with will be available in exported CSV files as:

- MRMS Hail [Provider/Date]

When you download your enhanced data, look for the column that starts with the "Provider Name", followed by the "Peril Name", and ends with the "Provider Version". For example: "MRMS HAIL mrmshail_20230810."



Learn more about NHC/NOAA Hurricane data at
<https://www.nssl.noaa.gov/>

