



Radar Case Study

SUNBRIGHT, TN TORNADO

SEE WHAT YOU'VE BEEN MISSING

CLIMAVISION RADAR IN CROSSVILLE, TN



Climavision's radar in Sparta, TN provides coverage for Sunbright, TN. Beam heights from neighboring radars are as follows:
Climavision ~3k ft AGL
KMRX ~6k ft AGL

April 2, 2024

Sunbright, TN Tornado

An EF-1 tornado hit Sunbright, TN. While several building structures were unfortunately damaged, thankfully no deaths or injuries were reported ([Knox News](#)).

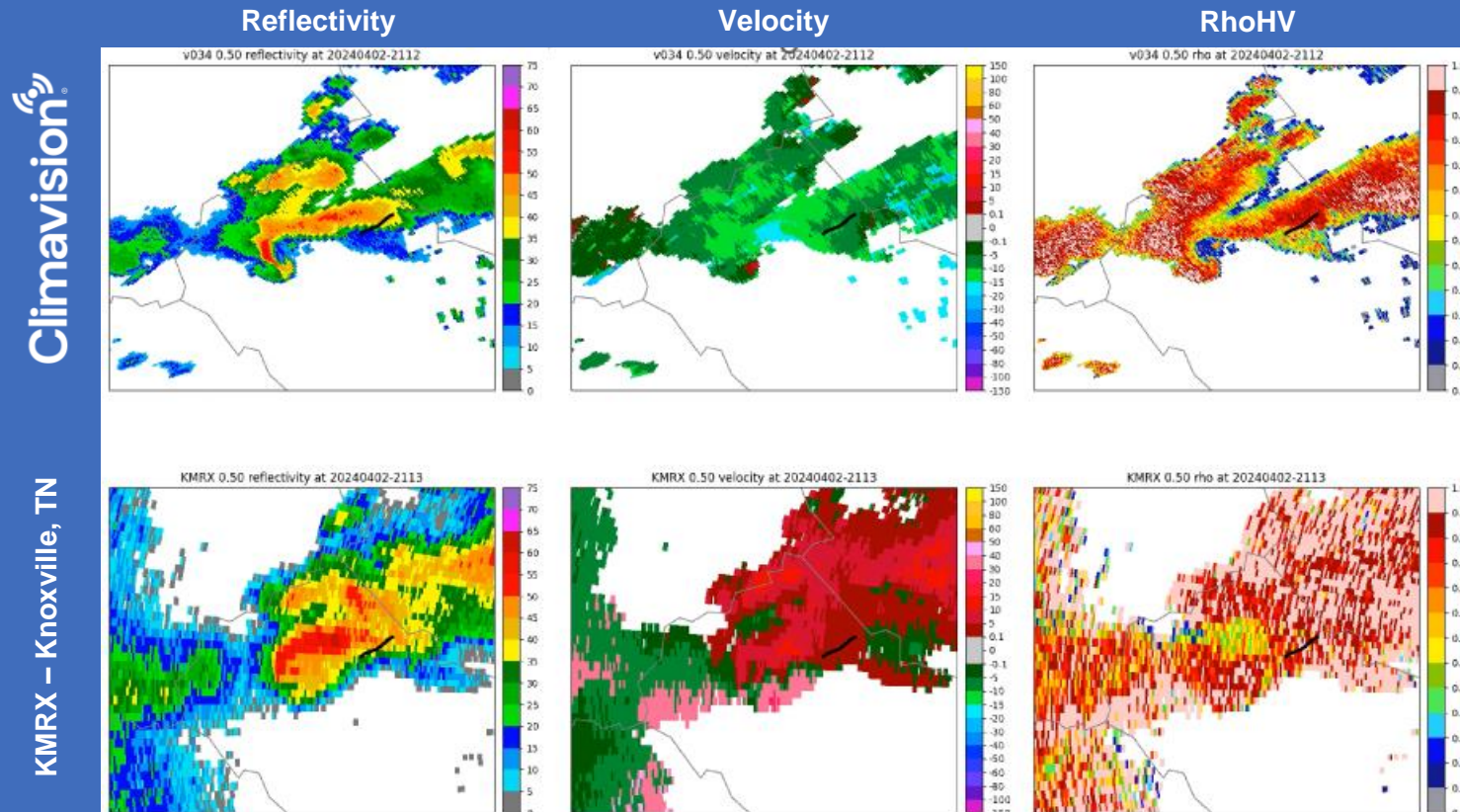
An NWS survey later confirmed the EF-1 and nearly 3-mile path of the tornado. Climavision's radar in Crossville, TN accurately detected a hook echo, rotation, and debris aloft. The Tornado Debris Signature (TDS) was also visible within the KMRX data.



Photo Credit: Knox News

Sunbright, TN Tornado

April 2, 2024



Climavision

KMRX – Knoxville, TN

The radar data above compares Climavision's data from Sparta (top) with KMRX Knoxville (bottom). Climavision's radar was able to detect a clear hook echo, rotation and TDS prior to the storm cell reaching the surveyed tornado path line whereas KMRX detected rotation closer to the start of the tornado's path on the ground.

*Black line indicates NWS surveyed tornado path