

# **The Warroad, MN F3 Tornado of 5 August 2006**

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## **ABSTRACT**

An F3 tornado struck Warroad, MN on the evening of August 3, 2006. This tornado occurred near the edge of the KMXV WSR-88D, about 116 nautical miles away. Only the mid and upper levels of the supercell were sampled at this distance from the radar, yet a strong mesocyclone and classic hook echo were observed. A detailed radar analysis will be presented and comparisons made to the Northwood, ND EF4 tornado of August 26, 2007. By contrast, the Northwood tornado occurred only 16 nautical miles from the KMXV WSR-88D. In addition, both the synoptic and mesoscale aspects of the Warroad tornado event will be investigated including a subtle surface boundary and possible lake breeze near Warroad that could have played a role in this tornado event.