**From:** USGS ENS
**To:** taja@taja.org
**Subject:** 2021-12-30 19:21:07 (M2.9) Kansas 37.0 -98.0 (5844d)
**Date:** Thursday, December 30, 2021 12:32:15 PM

# M2.9 Earthquake - Kansas

## Preliminary Report

| | |
|---|---|
| Magnitude | 2.9 |
| Date-Time | 30 Dec 2021 19:21:07 UTC<br>30 Dec 2021 13:21:07 near epicenter<br>30 Dec 2021 12:21:07 standard time in your timezone |
| Location | 37.002N 97.963W |
| Depth | 5 km |
| Distances | 6.7 km (4.1 mi) E of Manchester, Oklahoma<br>67.8 km (42.0 mi) N of Enid, Oklahoma<br>82.6 km (51.2 mi) W of Arkansas City, Kansas<br>82.6 km (51.2 mi) SW of Haysville, Kansas<br>175.0 km (108.5 mi) NNW of Oklahoma City, Oklahoma |
| Location Uncertainty | Horizontal: 0.8 km; Vertical 1.8 km |
| Parameters | Nph = 47; Dmin = 24.0 km; Rmss = 0.39 seconds; Gp = 64°<br>M-type = mb_lg; Version = |
| Event ID | us 7000g816 |

For updates, maps, and technical information
see: Event Page or USGS Earthquake Hazards Program
National Earthquake Information Center
U.S. Geological Survey

Disclaimer

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for M2.5 at all times.

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