**From:** USGS ENS
**To:** taja@taja.org
**Subject:** 2022-01-31 17:10:21 (M4.5) Oklahoma 36.9 -97.8 (5844d)
**Date:** 31 January, 2022 10:26:45 Hrs

# M4.5 Earthquake - Oklahoma

## Preliminary Report

| | |
|---|---|
| Magnitude | 4.5 |
| Date-Time | 31 Jan 2022 17:10:21 UTC<br>31 Jan 2022 11:10:21 near epicenter<br>31 Jan 2022 10:10:21 standard time in your timezone |
| Location | 36.856N 97.802W |
| Depth | 12 km |
| Distances | 8.2 km (5.1 mi) NW of Medford, Oklahoma<br>51.6 km (32.0 mi) N of Enid, Oklahoma<br>66.1 km (41.0 mi) WNW of Ponca City, Oklahoma<br>71.8 km (44.5 mi) WSW of Arkansas City, Kansas<br>156.2 km (96.9 mi) N of Oklahoma City, Oklahoma |
| Location Uncertainty | Horizontal: 2.4 km; Vertical 5.1 km |
| Parameters | Nph = 102; Dmin = 33.1 km; Rmss = 0.67 seconds; Gp = 21°<br>M-type = mww; Version = |
| Event ID | us 7000ggpm |

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

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for M2.5 at all times.

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