**From:** USGS ENS
**To:** taja@taja.org
**Subject:** 2021-12-15 18:17:48 (M3.1) Kansas 38.7 -97.5 (5844d)
**Date:** Wednesday, December 15, 2021 11:33:21 AM

# M3.1 Earthquake - Kansas

## Preliminary Report

| | |
|---|---|
| Magnitude | 3.1 |
| Date-Time | 15 Dec 2021 18:17:49 UTC<br>15 Dec 2021 12:17:49 near epicenter<br>15 Dec 2021 11:17:49 standard time in your timezone |
| Location | 38.660N 97.498W |
| Depth | 5 km |
| Distances | 8.0 km (4.9 mi) SW of Gypsum, Kansas<br>22.4 km (13.9 mi) SSE of Salina, Kansas<br>35.2 km (21.8 mi) NNE of McPherson, Kansas<br>69.3 km (43.0 mi) N of Newton, Kansas<br>163.8 km (101.5 mi) WSW of Topeka, Kansas |
| Location Uncertainty | Horizontal: 3.8 km; Vertical 2.0 km |
| Parameters | Nph = 66; Dmin = 79.5 km; Rmss = 0.78 seconds; Gp = 74°<br>M-type = mb_lg; Version = |
| Event ID | us 6000gcie |

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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