From: USGS ENS
To: taja@taja.org
Subject: 2019-09-19 19:54:31 (M2.8) Western Montana 45.9 -111.4 (5844d)
Date: Thursday, September 19, 2019 2:35:52 PM

M2.8 Earthquake - Western Montana

Preliminary Report

Magnitude	2.8
Date-Time	19 Sep 2019 19:54:32 UTC 19 Sep 2019 13:54:32 near epicenter 19 Sep 2019 12:54:32 standard time in your timezone
Location	45.859N 111.365W
Depth	3 km
Distances	2.6 km (1.6 mi) W of Manhattan, Montana 32.3 km (20.0 mi) NW of Bozeman, Montana 92.1 km (57.1 mi) E of Butte, Montana 96.6 km (59.9 mi) SSE of Helena, Montana 100.4 km (62.2 mi) E of Butte-Silver Bow (Balance), Montana
Location Uncertainty	Horizontal: 0.3 km; Vertical 0.8 km
Parameters	Nph = 28; Dmin = 5.7 km; Rmss = 0.15 seconds; Gp = 81° M-type = ml; Version = 4
Event ID	mb 80361694

For updates, maps, and technical information
see: Event Page or USGS Earthquake Hazards Program
Montana Regional Seismic Network
Montana Bureau of Mines and Geology
http://mbmgquake.mtech.edu

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