ShakeAlert[®] Post-Alert Summary

Overview of ShakeAlert Performance

Earthquake

M 3.6 - 31.0 mi NF of Mammoth Lakes ANSS origin (Local): 2020-04-15 13:13:05.1 ANSS origin (UTC): 2020-04-15 20:13:05.1 ANSS depth: 8.0 km (5.0 mi) ShakeAlert alert (UTC): 2020-04-15 20:13:23.4 ShakeAlert Event ID: ew7741

Summary Report

Speed of Alert:

Initial alert after origin time: 18.3 s Final alert update after origin time: 30.3 s

Magnitude Accuracy:

Initial ShakeAlert:	M 3.6
Final ShakeAlert:	M 3.6
ANSS report:	M 3.8

Distance From Alert to Reviewed Location

Initial alert: 3.9 km (2.4 mi) SW Final alert: 4.5 km (2.8 mi) S

Number of stations reporting

0 within 10 km of epicenter 15 within 100 km of epicenter 15 used in final ShakeAlert update

Performance for Nearby Cities

City	Distance	Warning Tim	e*MMI*
Mammoth La	ake \$ 9 km (31 mi)	~0 sec	<2
Sonora	142 km (88 mi)) ~21 sec	<2
South Lake T	ah 164 5 km (90 mi)) ~22 sec	<2
Sacramento	246 km (153 mi	i) ~51 sec	<2

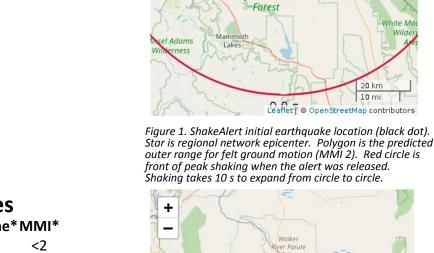
Zone Shaken by S-wave Before Alert: 65 km 40 mi

Footnotes

- 1) *MMI -- Modified Mercalli Intensity: a scale to measure ground shaking.
- 2) *Warning Time -- Time between alert production and arrival of the S-wave at a chosen site.

Disclaimer

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MMI 2 Inyo National

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> 20 km 10 m

Figure 2. Polygons show shaking intensity contours for the final ShakeAlert. Shaking of intensity 3 or less is often not felt. Star shows the regional network epicenter.