Earthquake:
Advanced National Seismic System (ANSS):
M 3.6 - 1.0 km (0.6 mi) SE of El Centro
ANSS location: 32.787, -115.554
ANSS depth: 15.8 km (9.8 mi)
ANSS origin (Local): 2024-02-12 02:18:36.0
ANSS origin (UTC): 2024-02-12 10:18:36.0
ShakeAlert first Message (UTC): 2024-02-12 10:18:41.6
ShakeAlert Event ID: ew 1707733120

ShakeAlert Messages Issued (after origin time):
Initial: 5.5 sec
Peak magnitude: 5.5 sec
Final: 28.5 sec

ShakeAlert System Magnitude Estimates:
Initial: M 3.6
Peak: M 3.6
Final: M 3.5

ShakeAlert System Location Accuracy:
Initial: 1.4 km (0.9 mi) N
At peak mag.: 1.4 km (0.9 mi) N
Final: 0.8 km (0.5 mi) SE

Wireless Emergency Alert:
Magnitude below threshold for WEA system.
WEA alerts are distributed to the MMI 4+ area if ShakeAlert Peak M>=5.0

Number of Stations Reporting:
1 within 10 km of epicenter
44 within 100 km of epicenter
66 used in final ShakeAlert Message

Nearby Cities:

City | Distance | Time* | Shaking
--- | --- | --- | ---
El Centro | 1 / (1) | -- | Weak (3)
Mexicali B.C. | 17 / (11) | -- | Not felt
Tijuana B.C. | 140 / (87) | -- | Not felt
San Diego | 150 / (93) | -- | Not felt

Radius shaken before message release: 12 km (7 mi)

Footnotes:
* Time -- Time from message release to predicted S-wave arrival at the location. "--" for weak or imperceptible shaking.
** MMI -- Modified Mercalli Intensity - a numeric shaking severity scale
*** For earthquakes deeper than ~15 km, the ShakeAlert Message may be available before peak shaking reaches the surface.