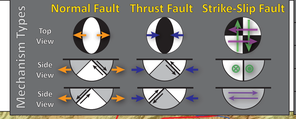
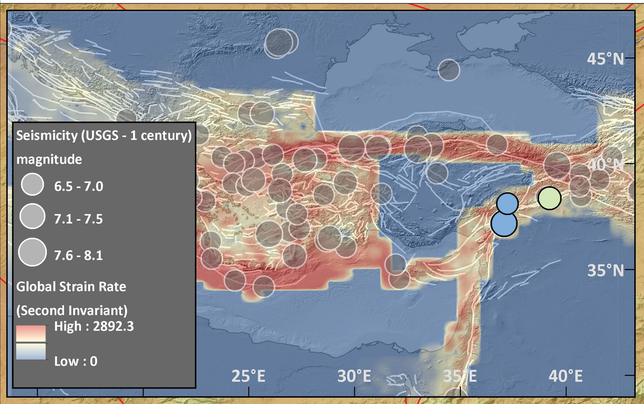
Earthquake Report: 2023.02.06

M 7.8 (EMSC) Turkey (& USGS Seismicity 1923-2023 M ≥ 6.5)



SHAKING	Not Felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
DAMAGE	Note	None	None	Very Light	Light	Moderate	Moderate/Heavy	Heavy	Very Heavy
PGA (%g)	<0.05	0.3	2.76	6.2	11.5	21.5	40.1	74.7	>139
PGV (cm/s)	<0.02	0.13	1.41	4.65	9.64	20	41.4	85.8	>178
INTENSITY	1	2-3	4	5	6	7	8	9	10



2023.02.06
M 7.5

2023.02.06
M 7.8

2020.01.24
M 6.8

Malatya-Ovacık fault
East Anatolia fault zone
Palu segment
Pütürge segment
Sürgü fault
Çardak fault
Erkenek segment
Pazarcık segment
Amanos segment
Toprakkale fault
Dead Sea fault zone
Bitlis-Zagros Fold and Thrust Belt

6 Feb '22 M 7.5 (USGS)
6 Feb '22 M 7.5 (EMSC)
6 Feb '22 M 7.8 (USGS)
6 Feb '22 M 7.8 (EMSC)

Seismicity (EMSC - 1 day)
magnitude
0.5 - 1.0
1.1 - 2.0
2.1 - 3.0
3.1 - 4.0
4.1 - 5.0
5.1 - 6.0
6.1 - 6.8
7.1 - 7.8

24 Jan 2020 M 6.7

Seismicity (EMSC - 1 month)
magnitude
1.8 - 3.0
3.1 - 4.0
4.1 - 5.0
5.1 - 6.0
6.1 - 6.8

Fault
GEM
Lake
River

Elevation
Value
High : 3853.8
Low : -12.1018

Elevation:
GMRT - Ryan et al. (2009)
ALOS World 3D"(AW3D)

Faults:
1 - Global Earthquake Model (GEM)
2 - SHARE - Giardini et al., 2013
doi: 10.12686/SED-00000001-SHARE

Made with Natural Earth
Free vector and raster map data @ naturalearthdata.com

CSEM EMSC

GEM GLOBAL EARTHQUAKE MODEL working together to assess risk

Jason R. Patton
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USGS science for a changing world

0 25 50 Miles
0 50 100 Kilometers

Duman & Emre, 2013

