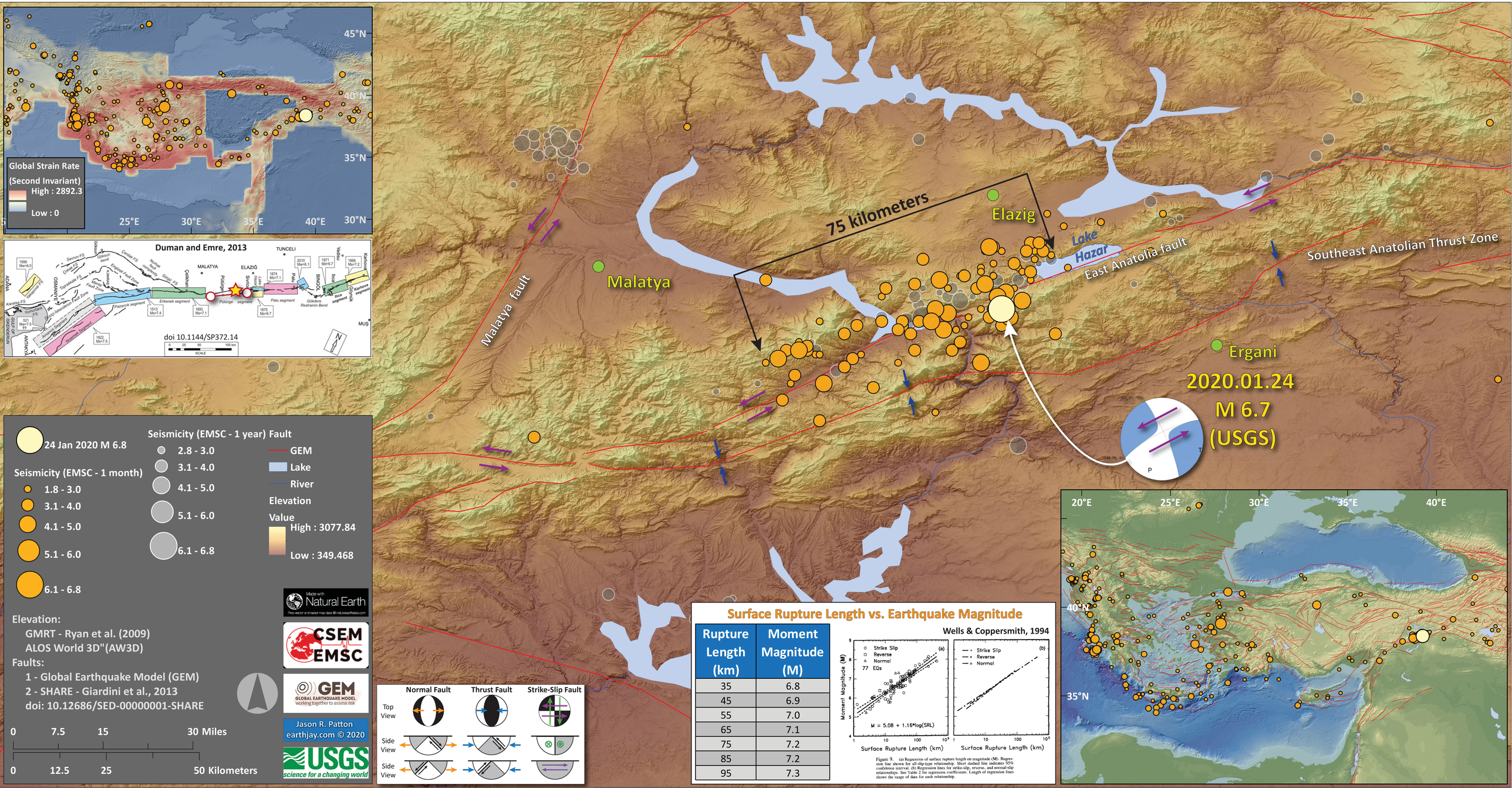
2020.01.24 Turkey M 6.8 Earthquake (EMSC)



24 Jan 2020 M 6.8

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

Seismicity (EMSC - 1 year)
- 2.8 - 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 : 3077.84
- Low : 349.468

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

0 7.5 15 30 Miles
0 12.5 25 50 Kilometers

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

Surface Rupture Length vs. Earthquake Magnitude

Rupture Length (km)	Moment Magnitude (M)
35	6.8
45	6.9
55	7.0
65	7.1
75	7.2
85	7.2
95	7.3

Wells & Coppersmith, 1994

Figure 9. (a) Regression of surface rupture length on magnitude (M). Regression line shown for all-slip-type relationship. Short dashed line indicates 95% confidence interval. (b) Regression lines for strike-slip, reverse, and normal-slip relationships. See Table 2 for regression coefficients. Length of regression lines shows the range of data for each relationship.