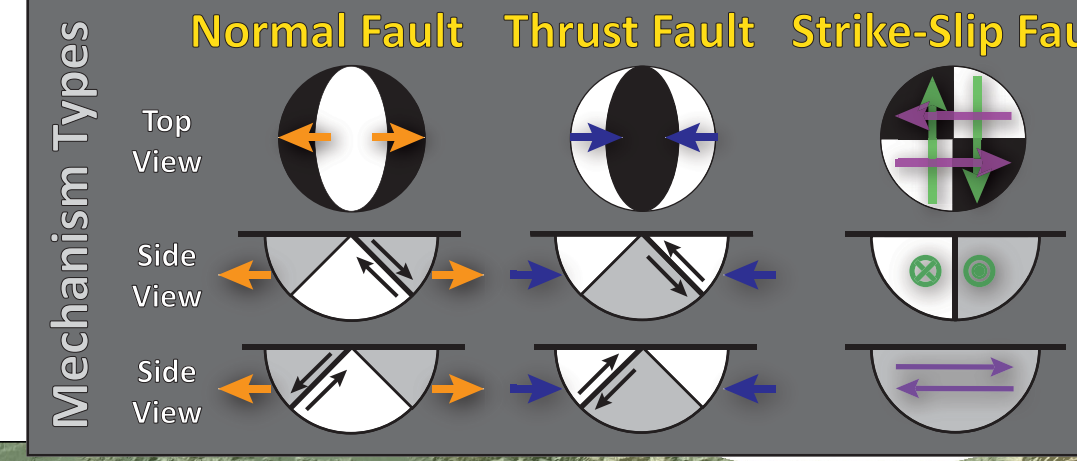
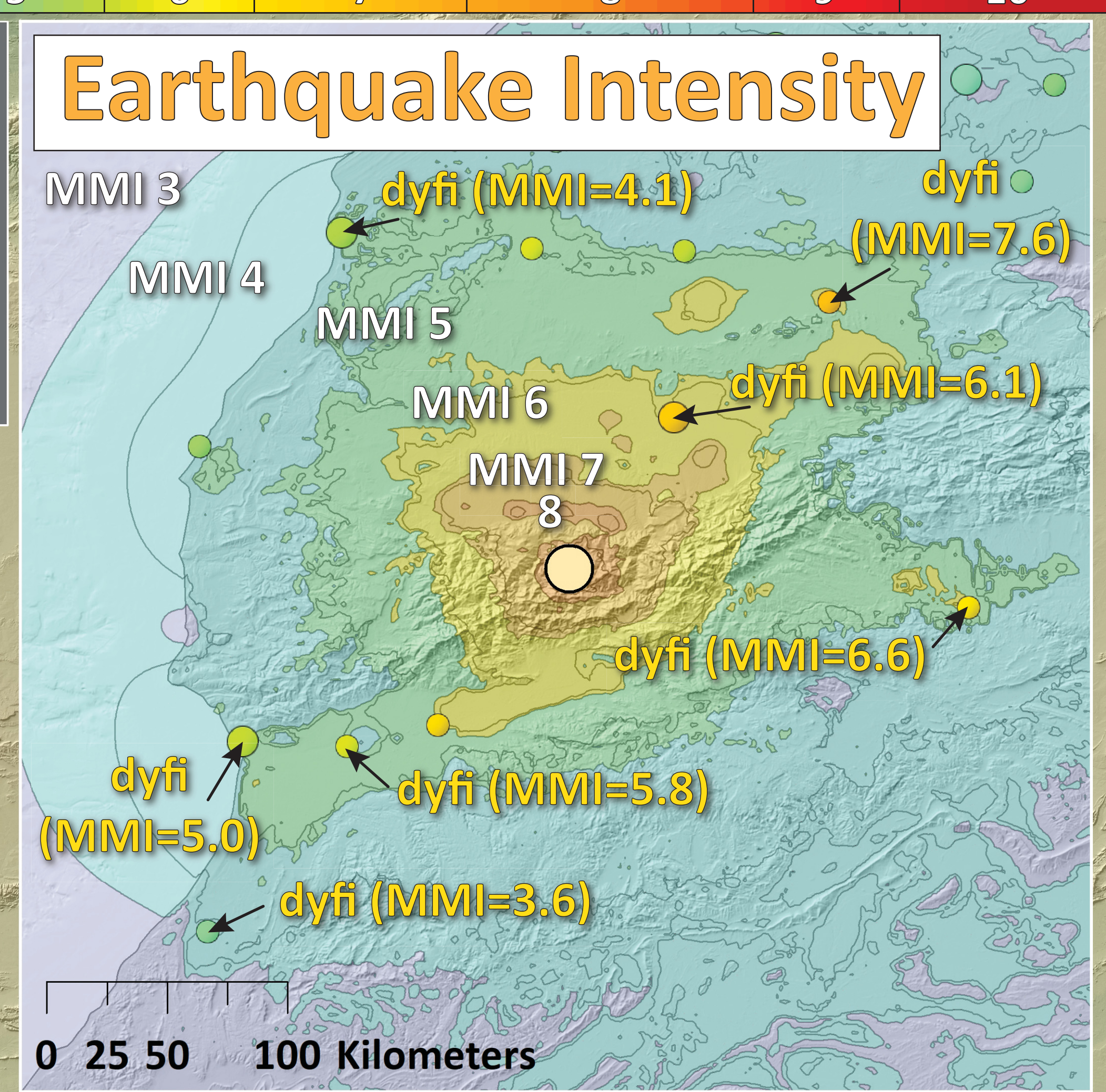
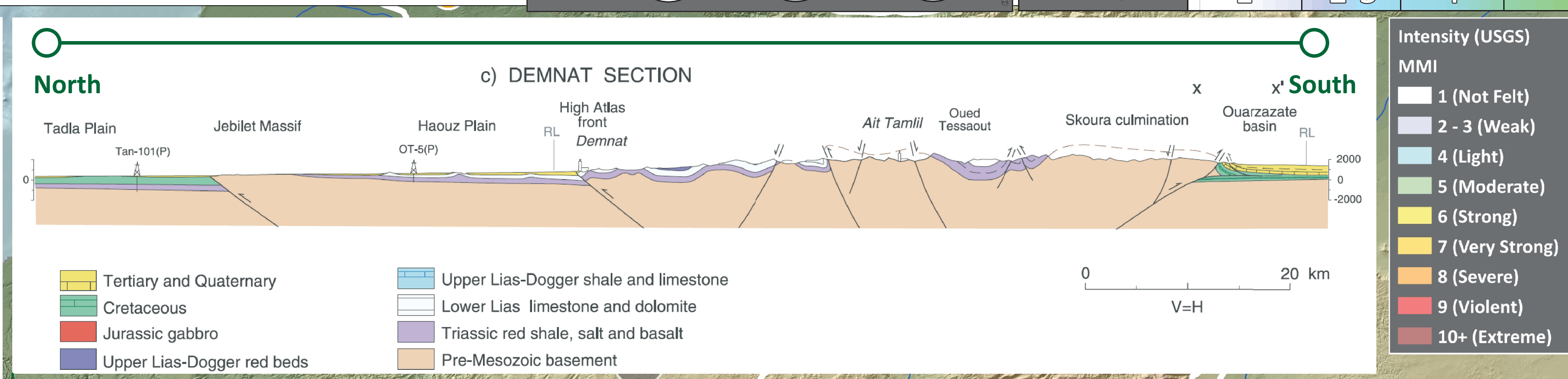
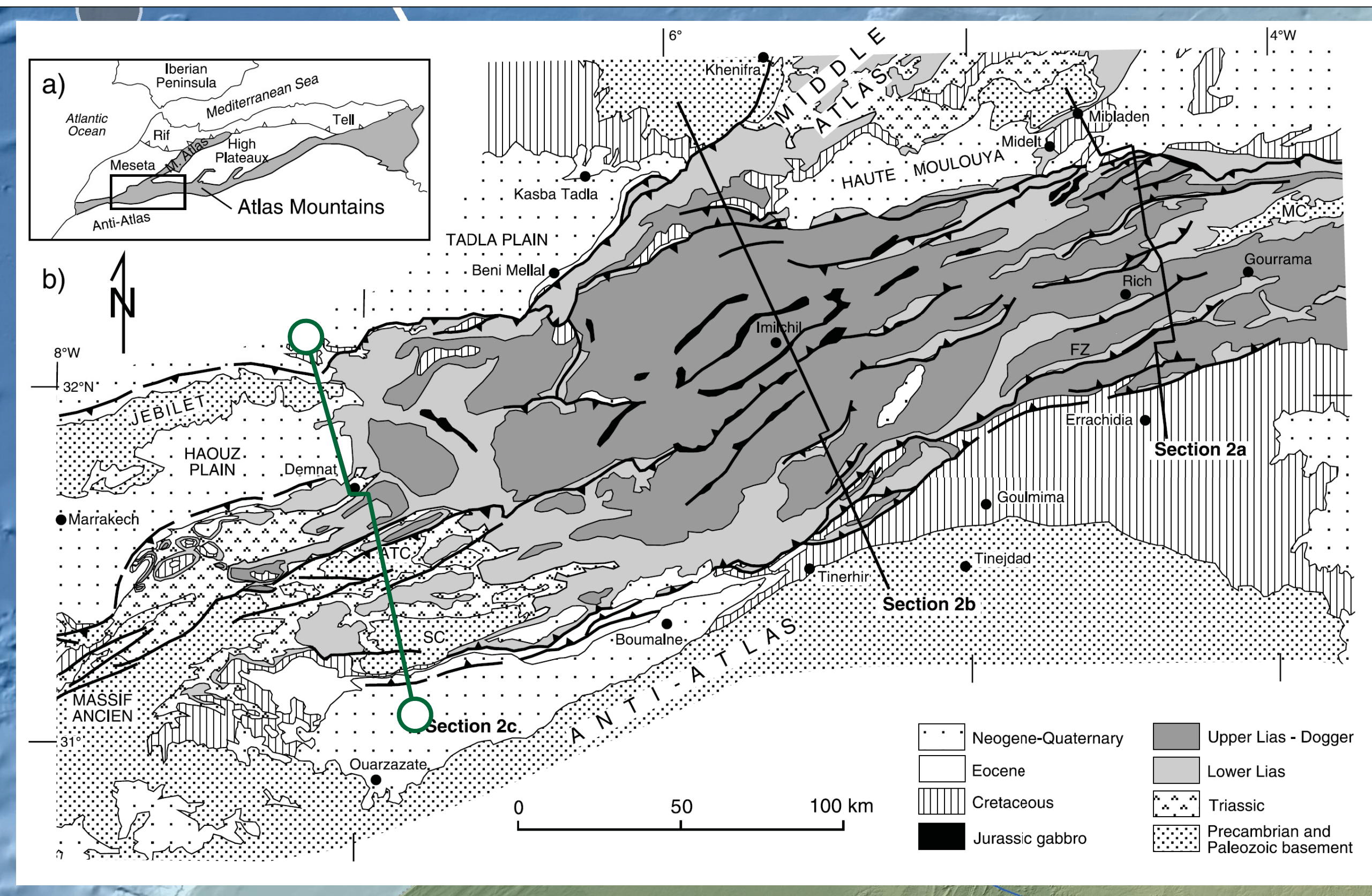
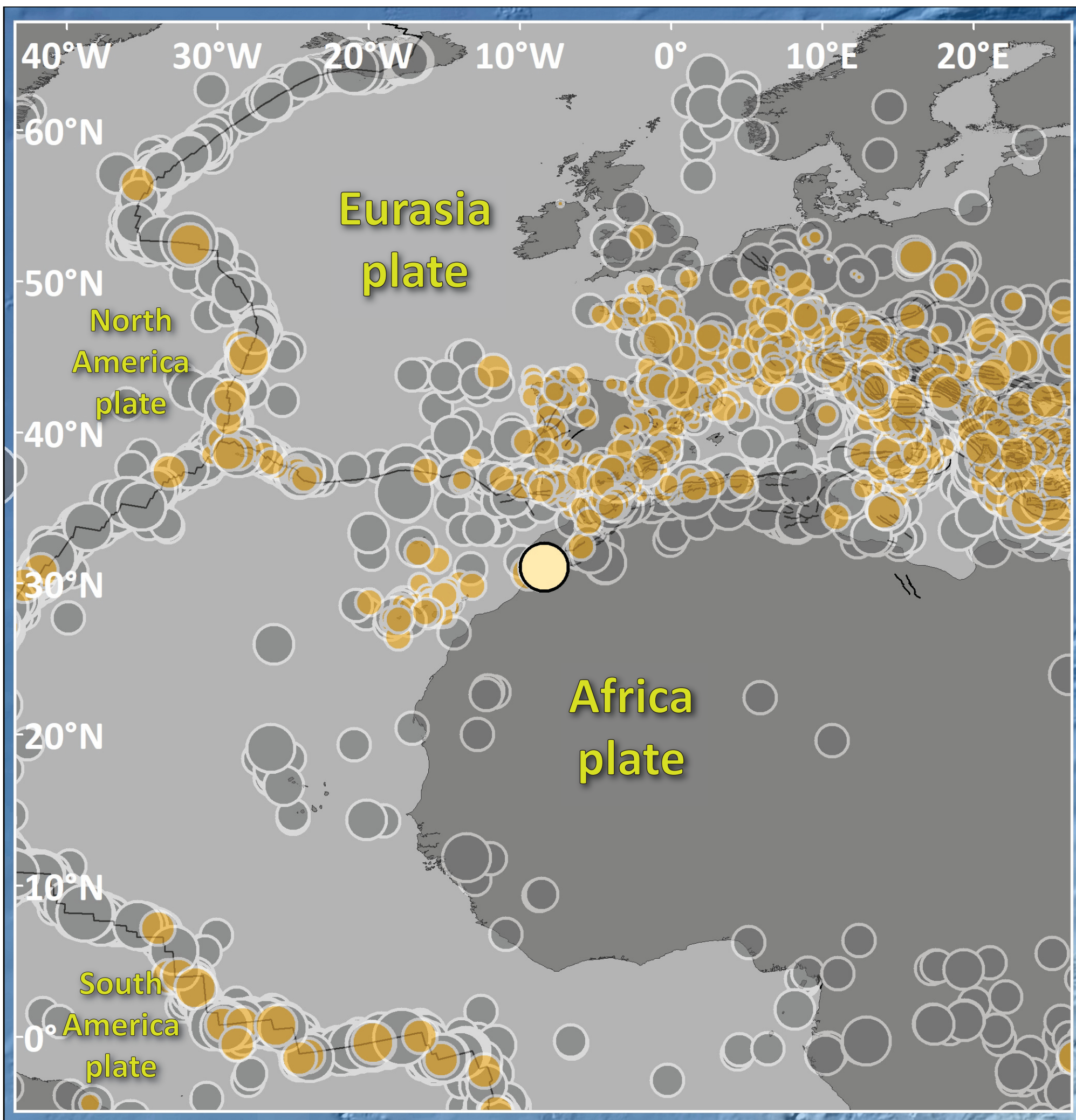


# Earthquake Report: 2023.09.08

## M 6.8 Morocco (& USGS Seismicity 1923-2023 M ≥ 4.5)



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



**Seismicity (USGS - 50 year) magnitude**

- 4.5 - 5.0
- 5.1 - 6.0
- 6.1 - 7.0
- 7.1 - 7.9

**Seismicity (EMSC - 3 month) Magnitude**

- 0.1 - 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

**8 Sept '23 M 6.8 (EMSC)**

**8 Sept '23 M 6.8 (USGS)**

**Elevation** High to Low

**Depth** Shallow to Deep

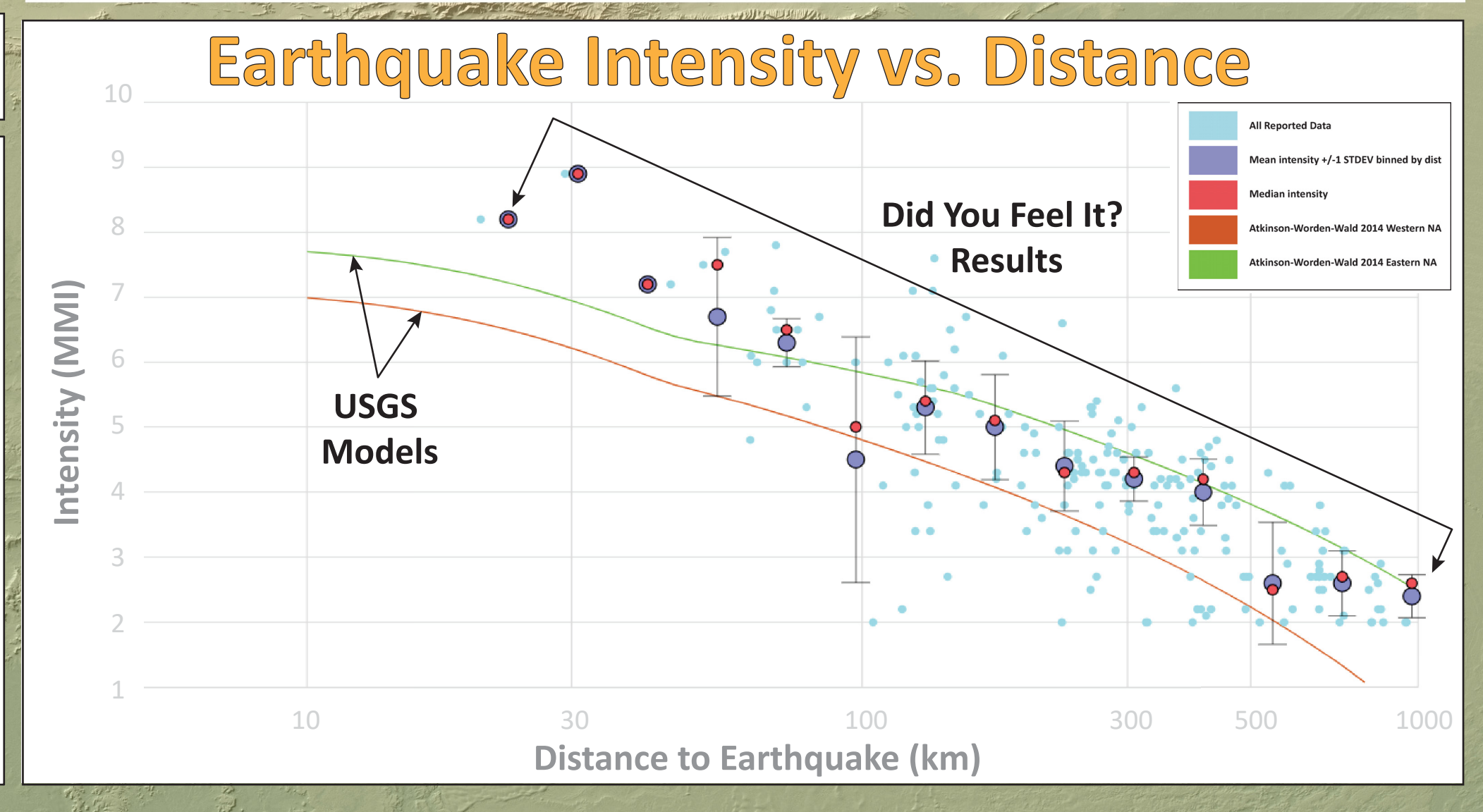
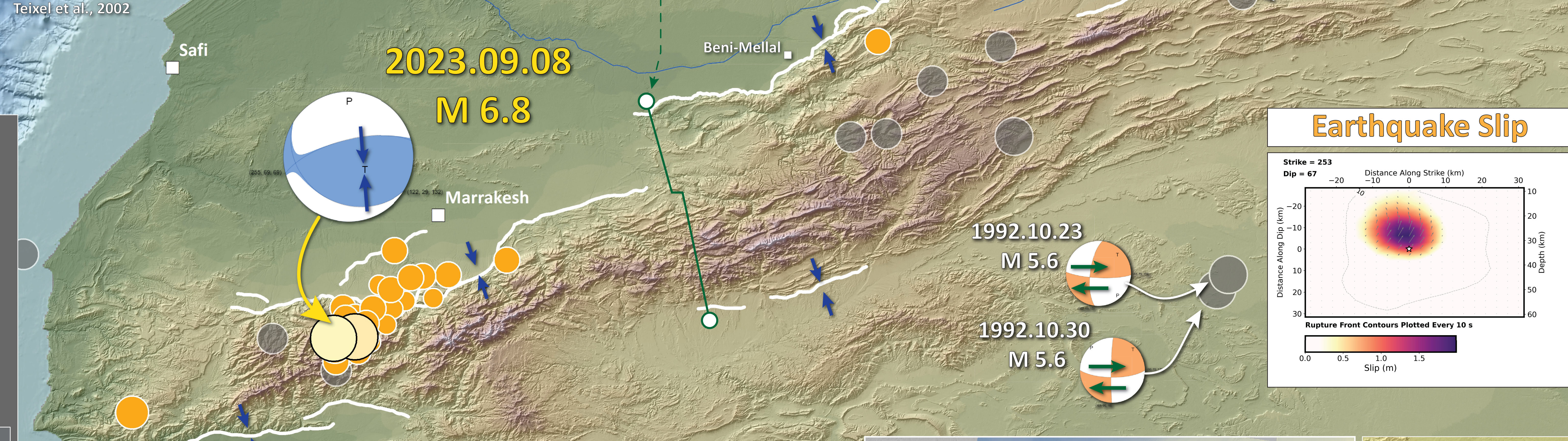
**Fault** GEM, River, Populated Place

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

**Faults:** 1 - Global Earthquake Model (GEM)

**Logos:** CSEM EMSC, Natural Earth, GEM GLOBAL EARTHQUAKE MODEL, Jason R. Patton earthjay.com © 2023, USGS science for a changing world

**Scale:** 0, 25, 50 Miles / 0, 50, 100 Kilometers



### Ground Failure Models

