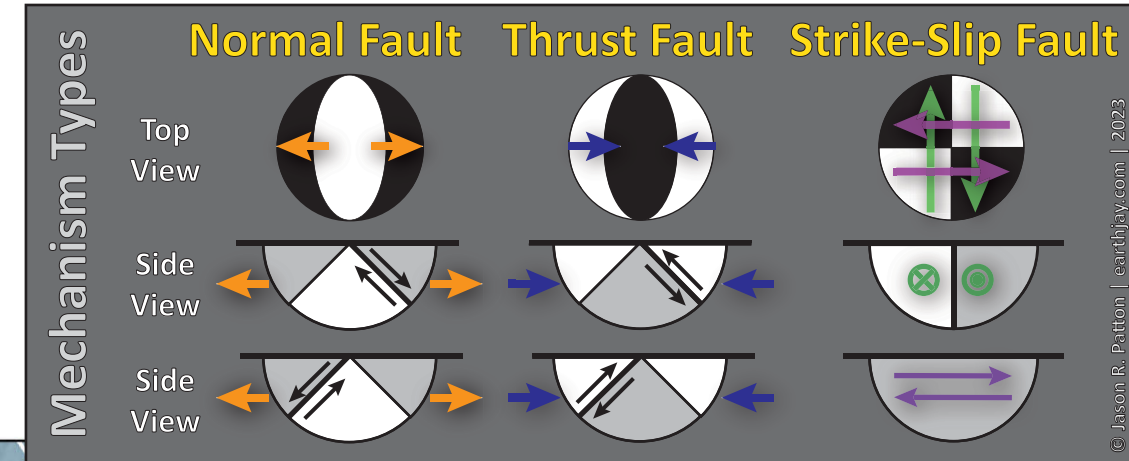
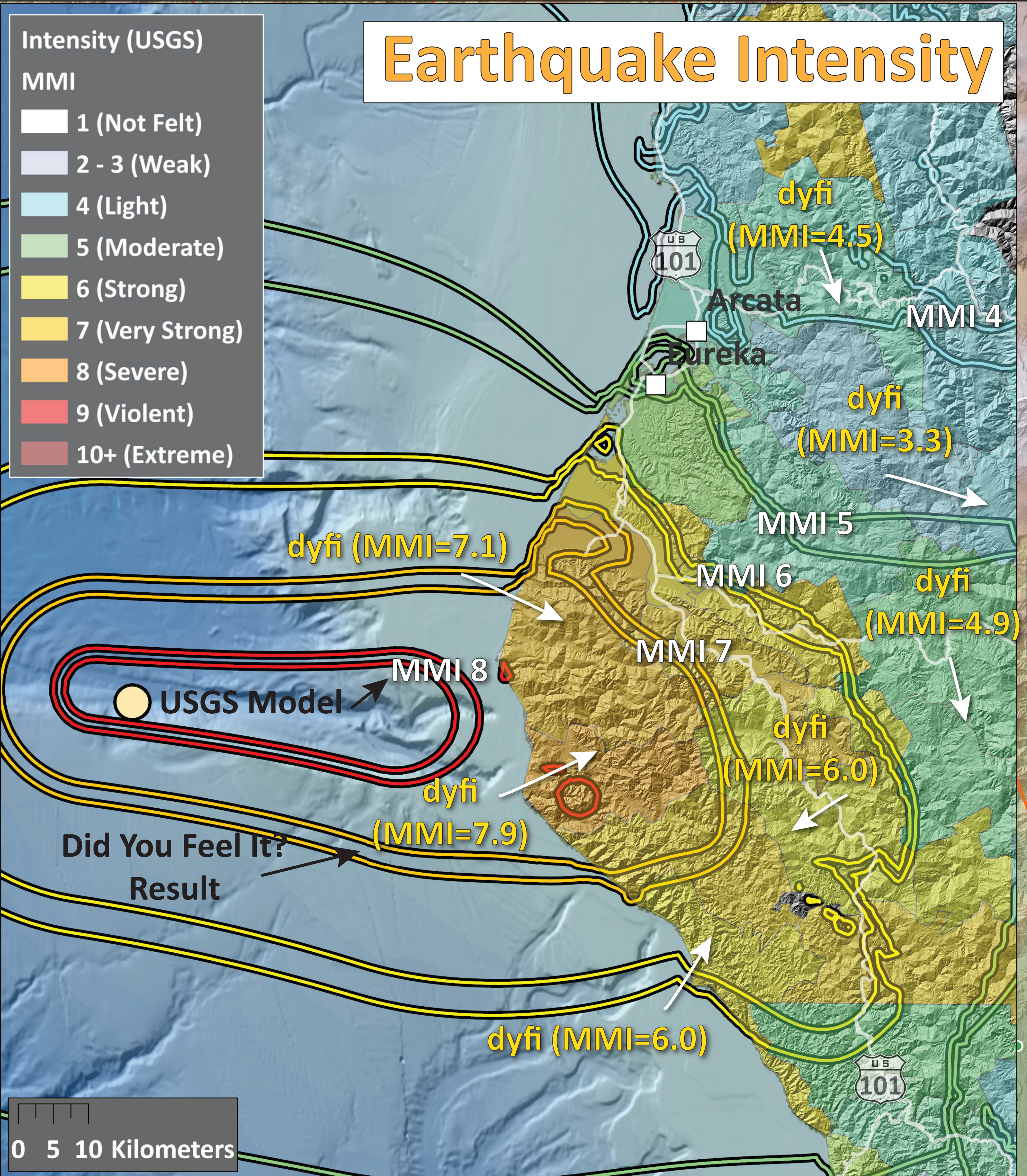
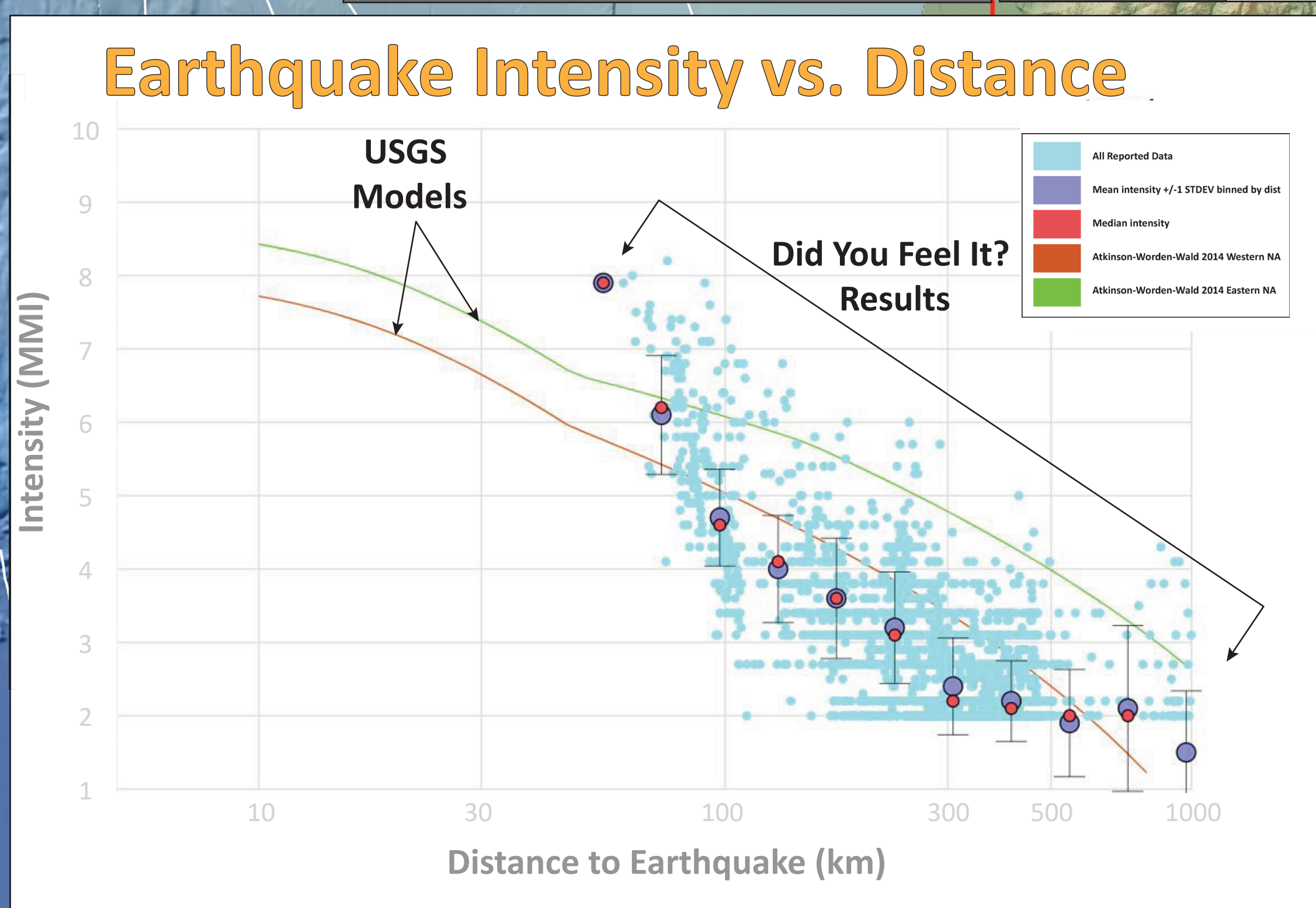
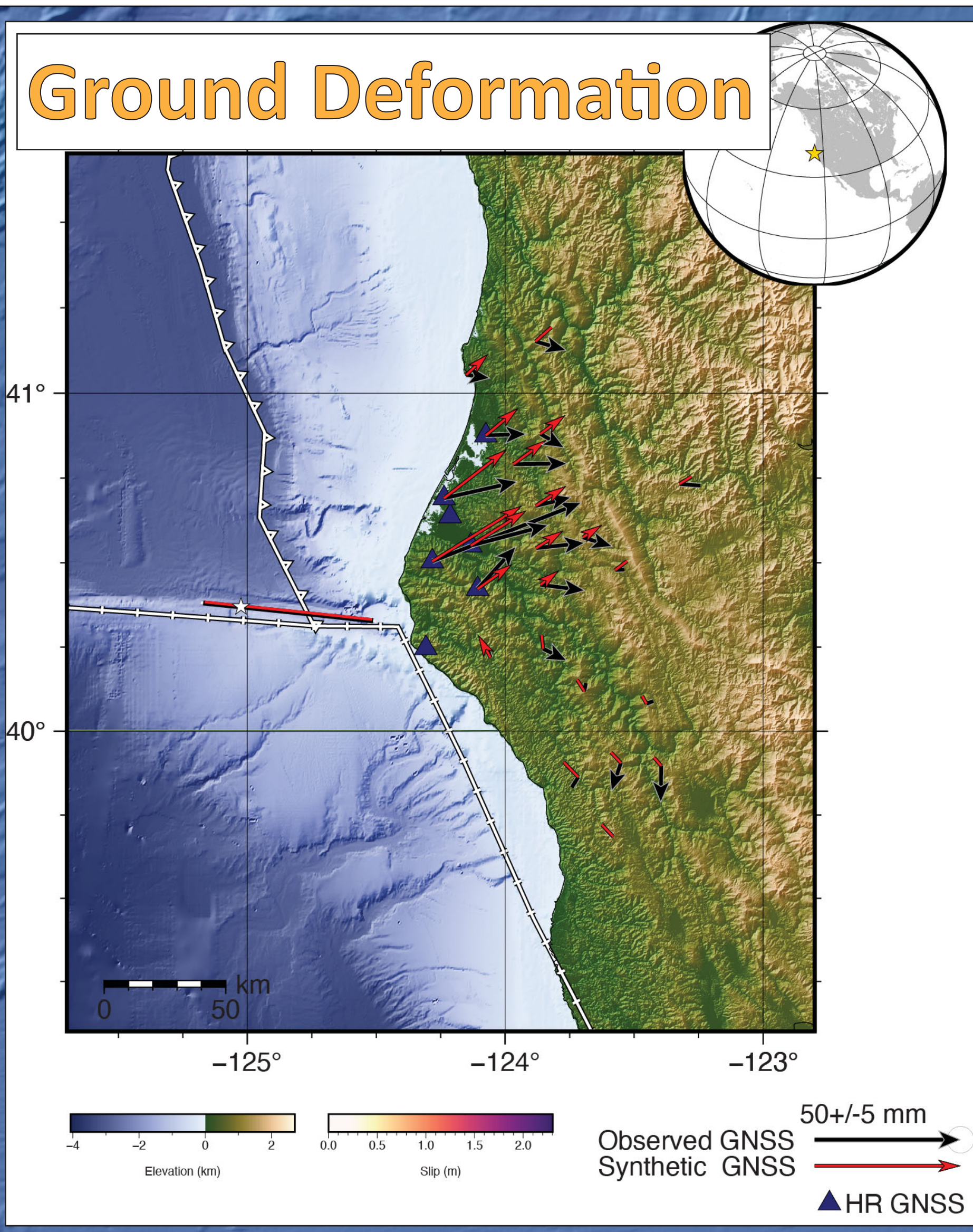
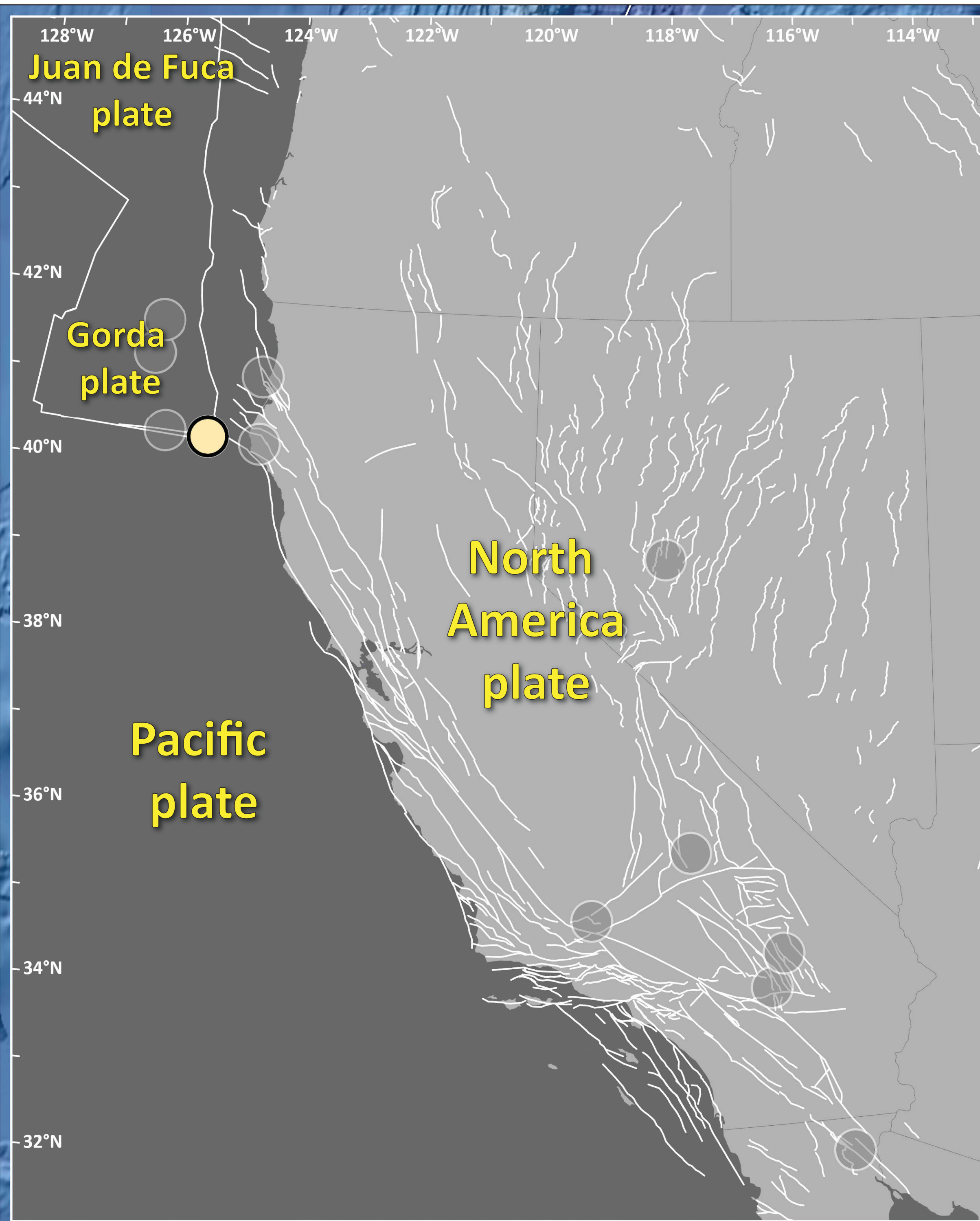


# Earthquake Report: 2024.12.05

## M 7.0 California (& USGS Seismicity 1924-2024 M ≥ 7.0)



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 - 1 century) magnitude**

- 7.0 - 7.5
- 7.6 - 8.2
- Populated Place
- Fault (USGS)

**Seismicity (USGS - 1 month) magnitude**

- 0 - 1
- 2
- 3
- 4
- 5
- 6
- 7

**Seismicity (USGS - 1 month) magnitude**

- 0.0 - 1.0
- 1.1 - 2.0
- 2.1 - 3.0
- 3.1 - 4.0
- 4.1 - 5.0
- 5.1 - 6.0
- 6.1 - 7.1

**Elevation** (High to Low) **Depth** (Shallow to Deep)

**Depth to Slab (km)** (0 to 700)

**Scale:** 0, 12.5, 25 Miles / 0, 25, 50 km

**USGS** science for a changing world

**GEM** GLOBAL EARTHQUAKE MODEL working together to assess risk

Jason R. Patton earthjay.com © 2024

Elevation: Bathy: Ryan et al., 2009, DOI: 10.1029/2008GC002332  
Topo: USGS 3DEP

