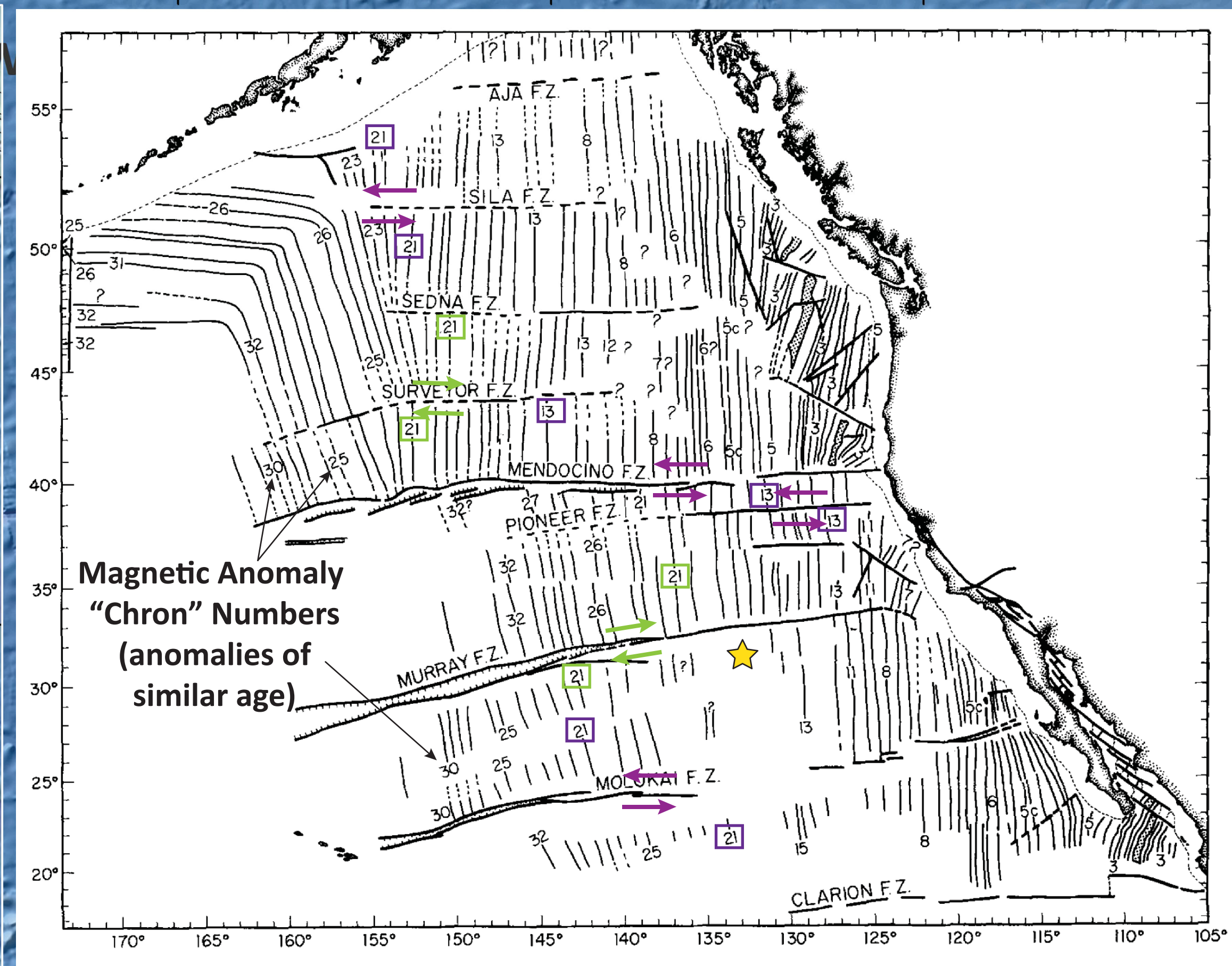
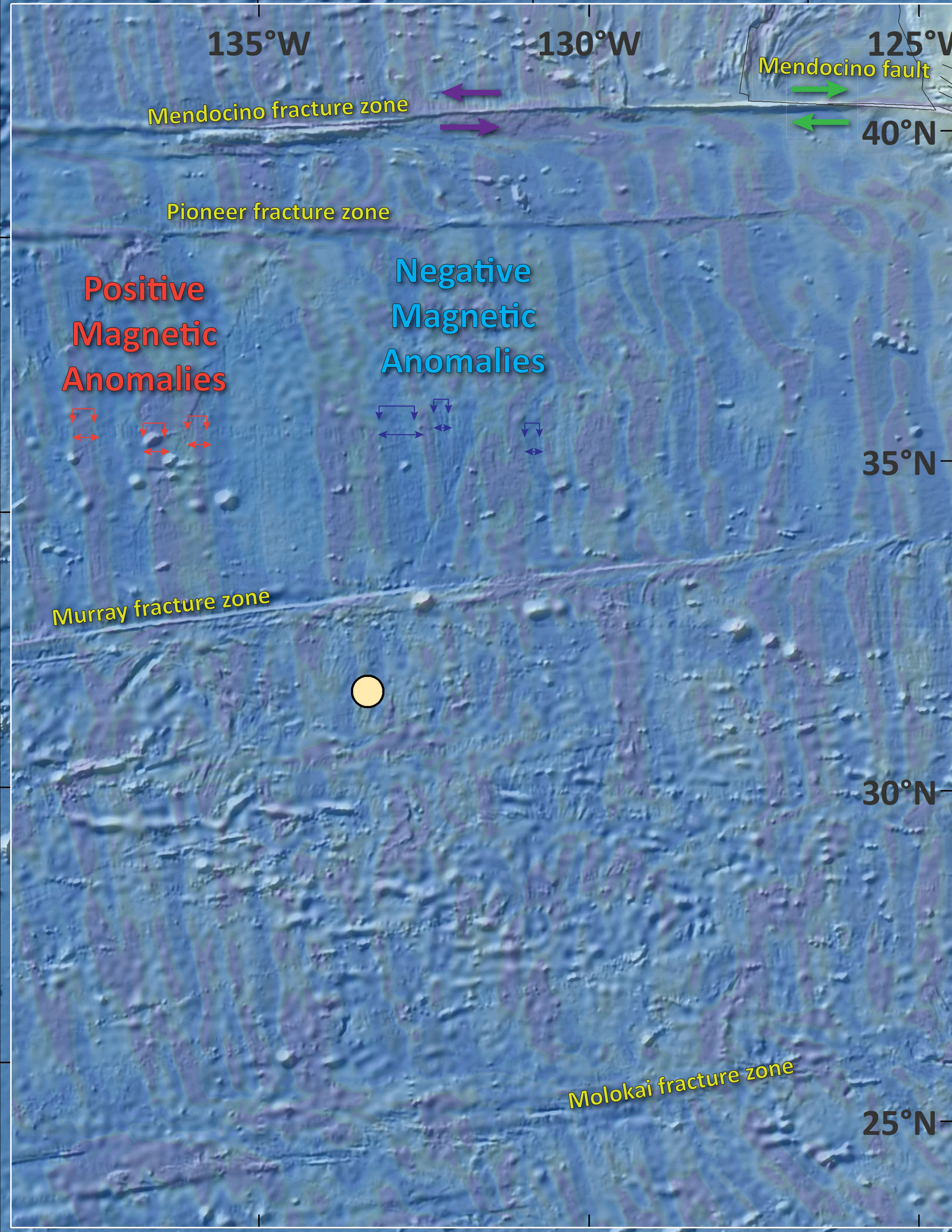


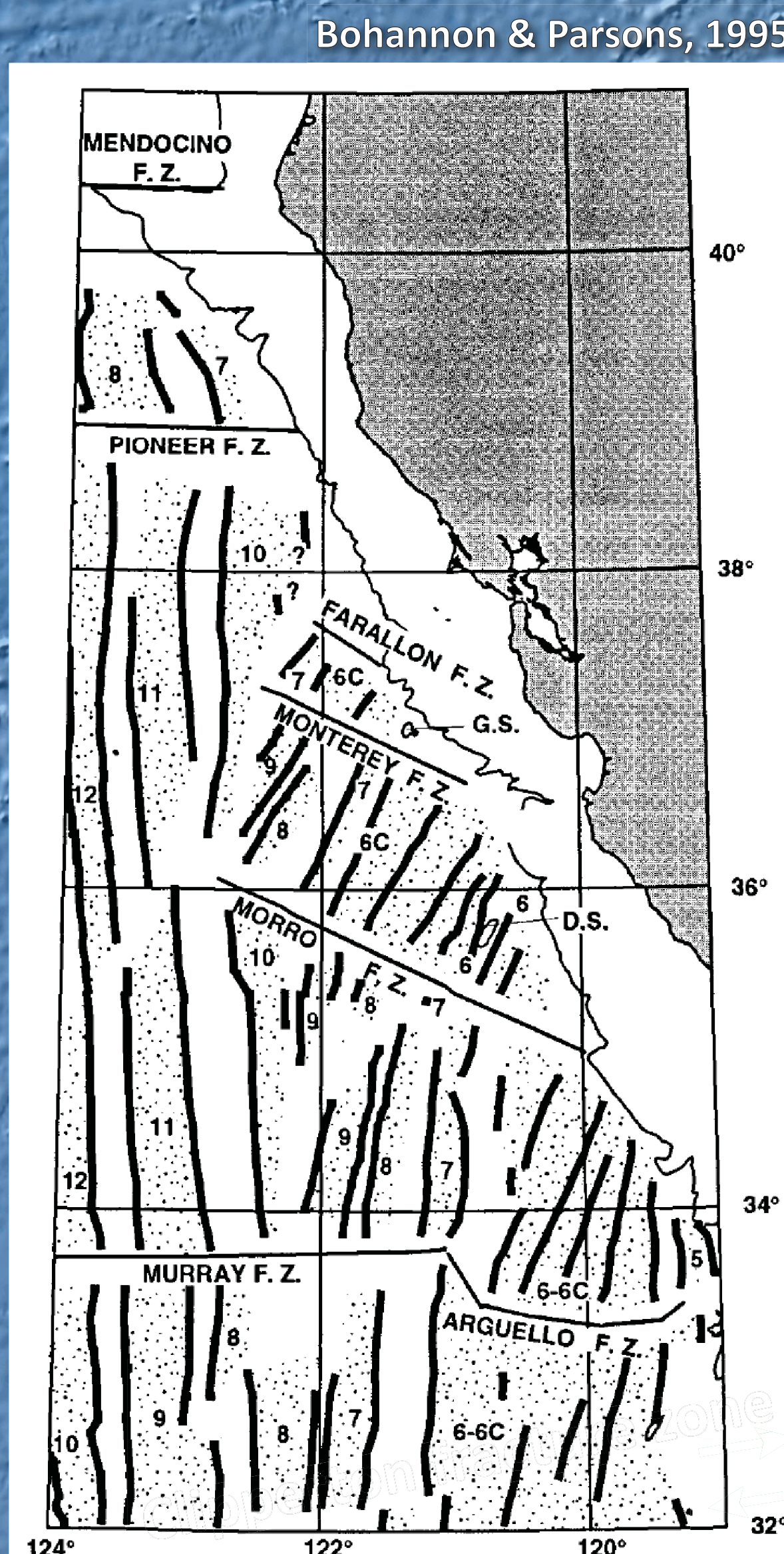
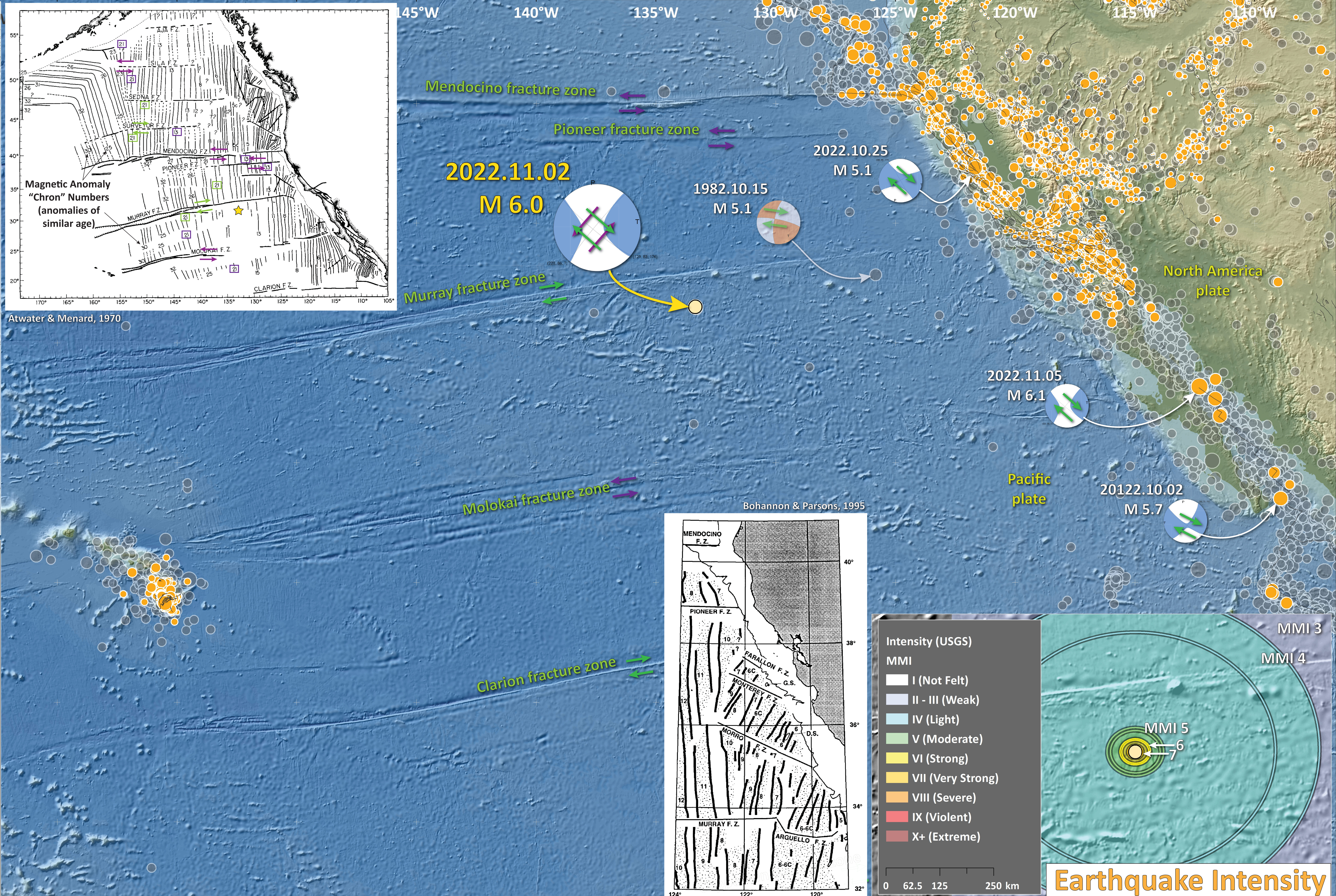
Earthquake Report: 2022.11.02

M 6.0 Northeast Pacific (& USGS Seismicity 1922-2022 M ≥ 4.0)

Mechanism Types	Normal Fault			Thrust Fault			Strike-Slip Fault			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



Atwater & Menard, 1970



Bohannon & Parsons, 1995

● 2 November '22 M 6.0

Seismicity (USGS - 1 century)

Seismicity (USGS - 3 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 - 7.6

Fault

GEM

0 125 250 500 Miles

0 250 500 1,000 Kilometers

Topography: Ryan et al., 2009
doi:10.1029/2008GC002332.

Total Intensity Anomaly (nT)

Elevation High Low

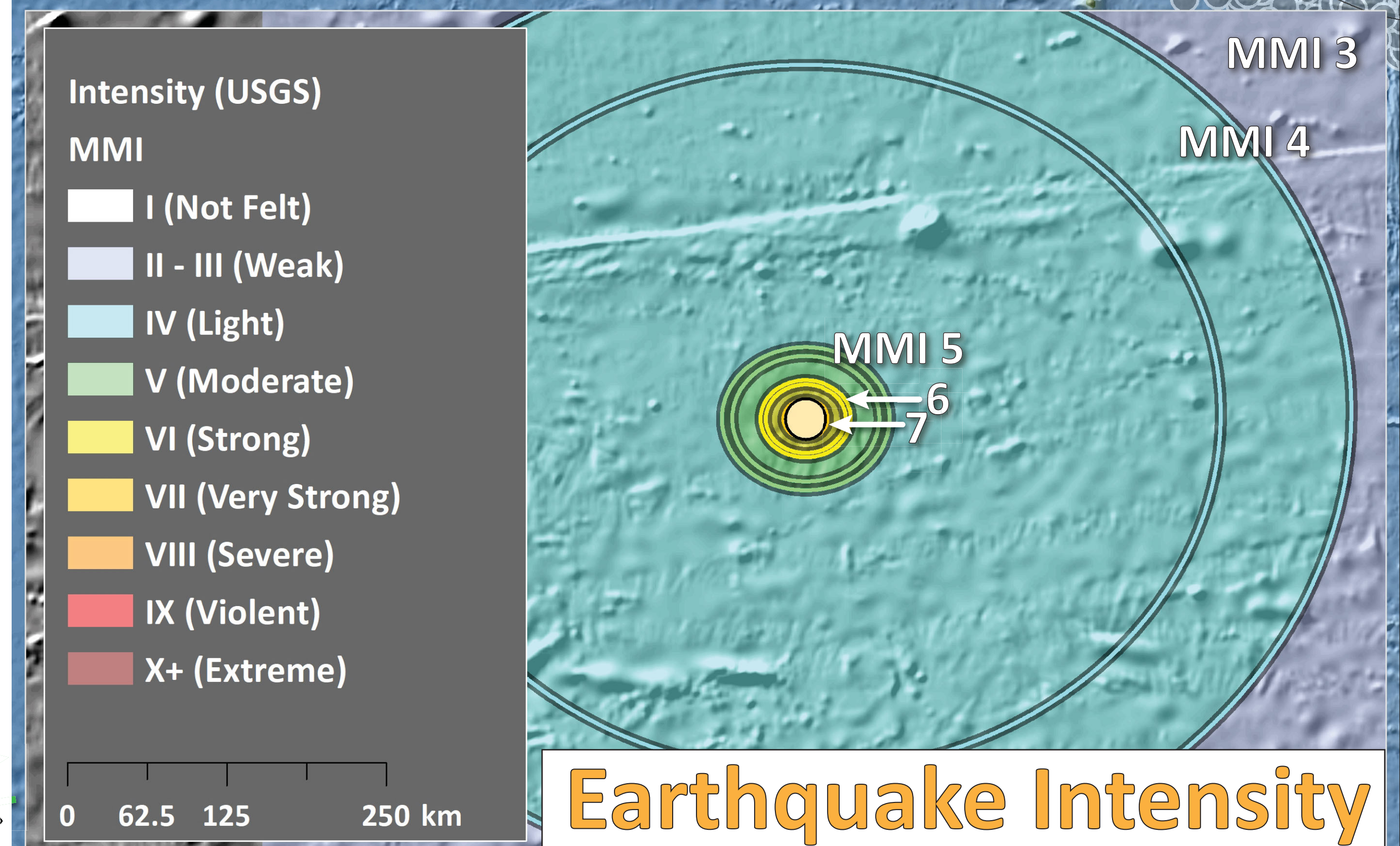
Depth Shallow Deep

GEM

GLOBAL EARTHQUAKE MODEL
working together to assess risk

Jason R. Patton
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USGS
science for a changing world



Earthquake Intensity