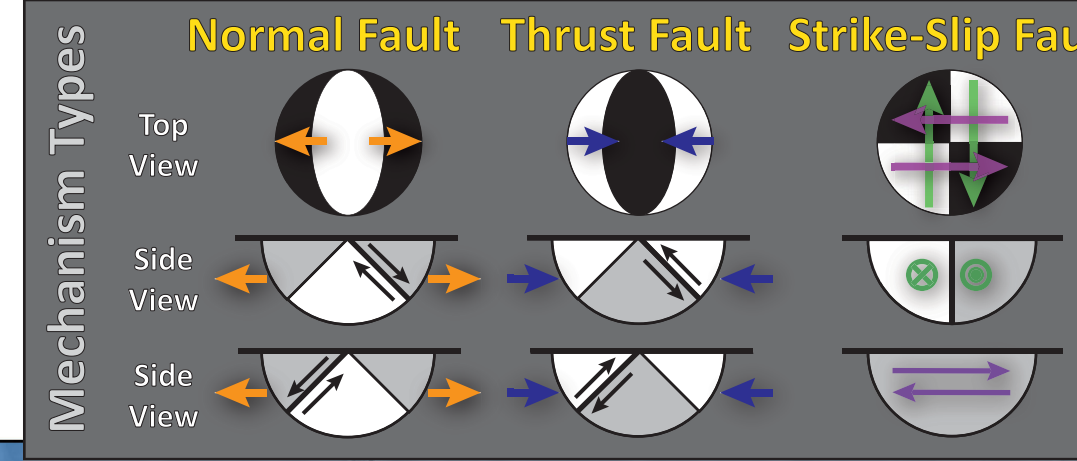
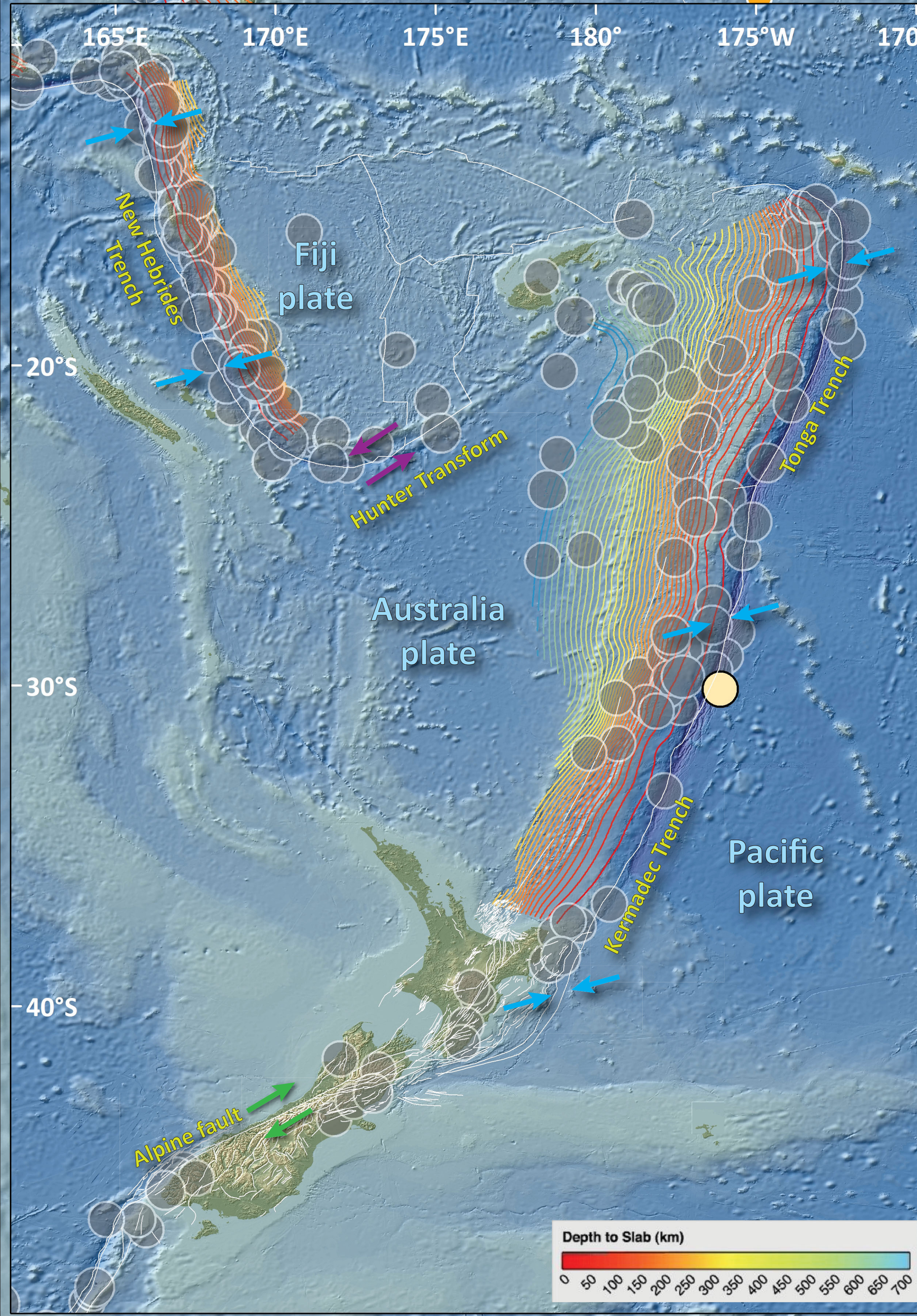


Earthquake Report: 2023.03.16

M 7.0 Kermadec (& USGS Seismicity 1923-2023 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



● 16 Mar '23 M 7.0

Seismicity (USGS - 2 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 - 7.0

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

0 75 150 300 Miles

0 100 200 400 Kilometers

Seismicity (USGS - 1 century) magnitude

- 7.0 - 7.5
- 7.6 - 8.0
- 8.1 - 8.5
- 8.6 - 9.1

Fault

- (GEM)
- ▼ Tide Gage

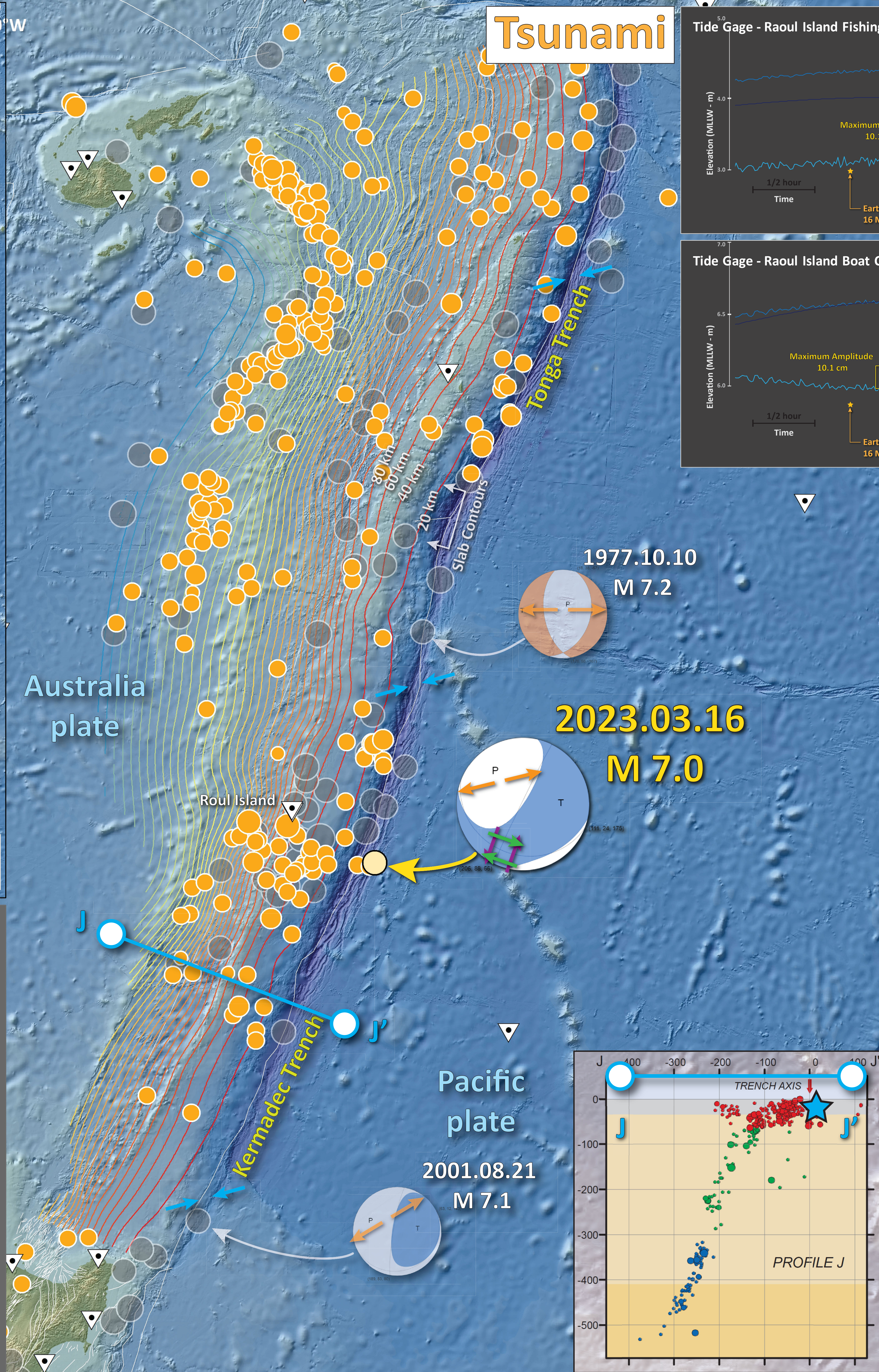
Elevation High Low

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



Tsunami

