Earthquake Report: 2019.06.15
M 7.2 Kermadec (& USGS Seismicity 1919-2019 M ≥ 6.0)

Second Invariant of Strain Rate, 10^{-9}/year

UNAVCO

Nevada Geodetic Laboratory

Jason R. Patton
earthjay.com © 2019

GEM GLOBAL EARTHQUAKE MODEL working together to assess risk

USGS Google Earth

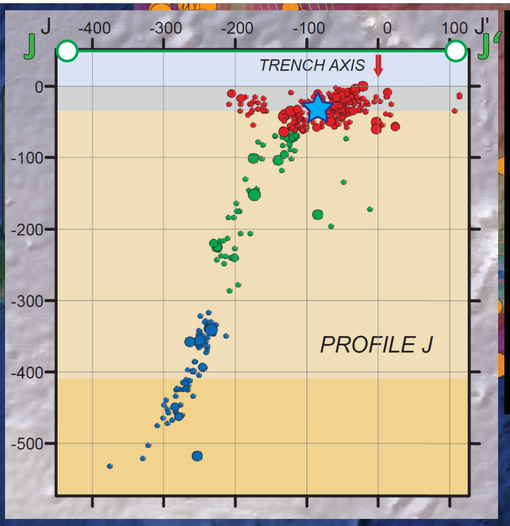
Depth to Slab (km)

SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
DAMAGE	None	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	I	II-III	IV	V	VI	VII	VIII	IX	X+

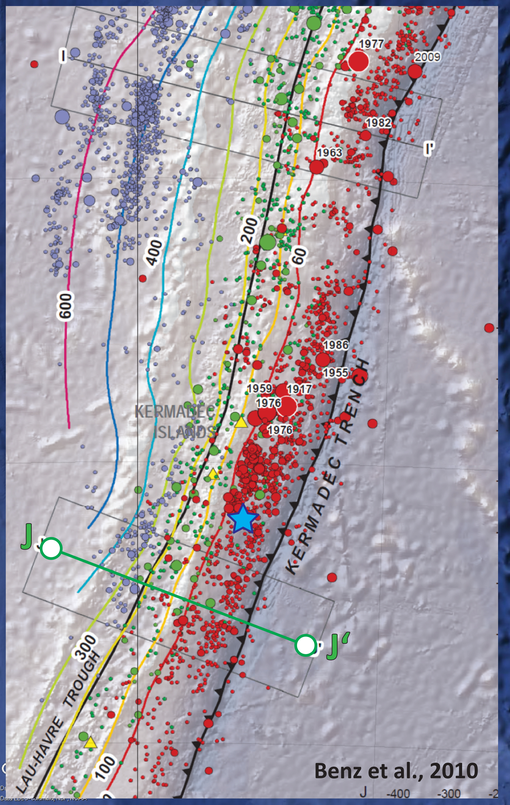
Normal Fault | Thrust Fault | Strike-Slip Fault

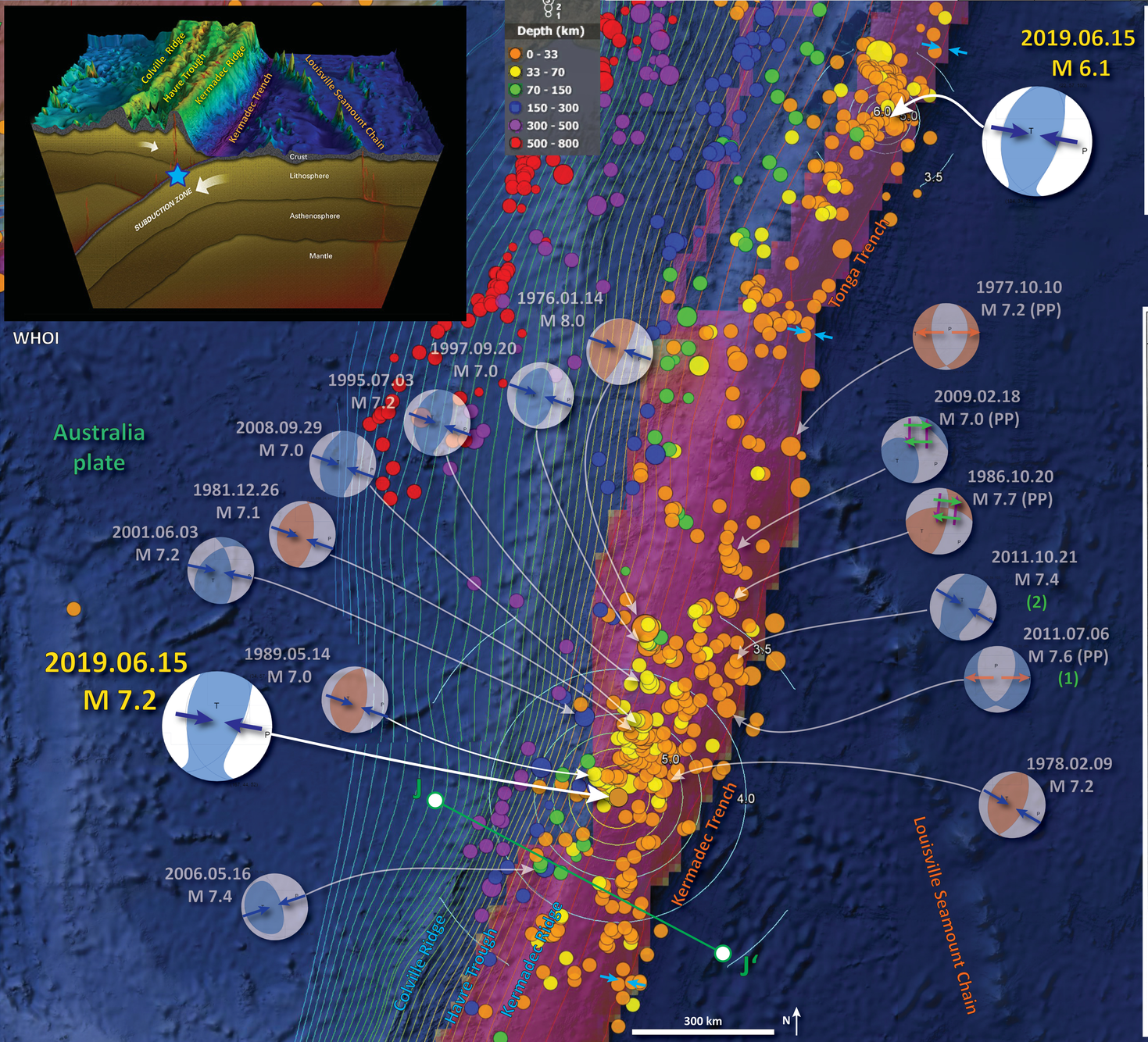
Magnitude: 8 7 6 5 4 3 2 1

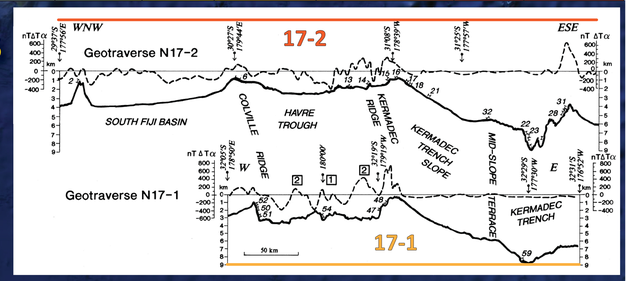
Depth (km)
- 0 - 33
- 33 - 70
- 70 - 150
- 150 - 300
- 300 - 500
- 500 - 800



WHOI







Ballance et al., 1999

