

Earthquake Report: 2017.03.14

M 6.0 & M 5.5 Sumatra

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USGS Google Earth

Magnitude

Depth (km)

Depth to Slab (km)

Plate Boundaries

Plate Motion

Normal Fault

Thrust Fault

Strike-Slip Fault

Top View

Side View

Side View

0 - 33

33 - 70

70 - 150

150 - 300

300 - 500

500 - 800

0

50

100

150

200

250

300

350

400

450

500

550

600

650

700

Divergent

Transform

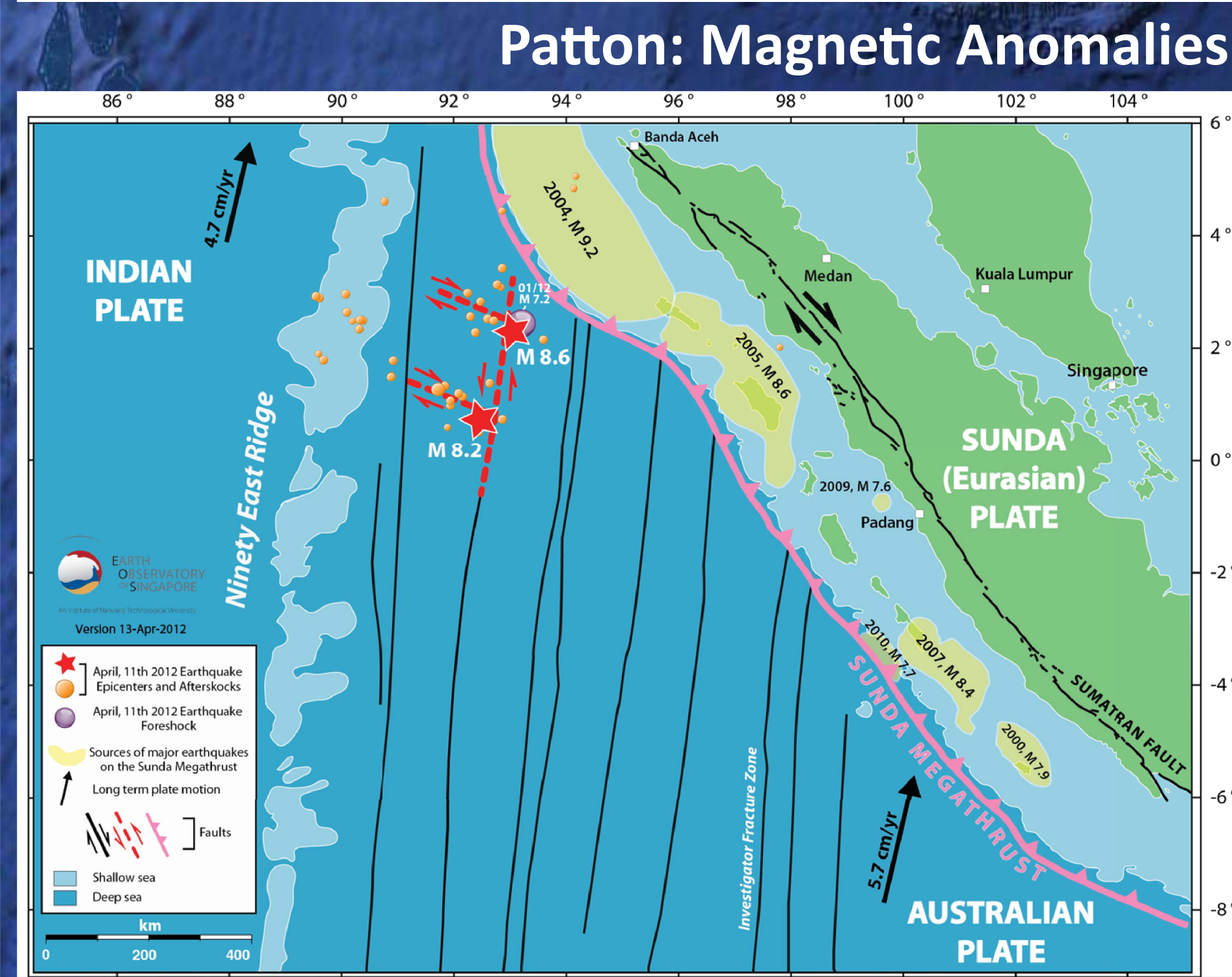
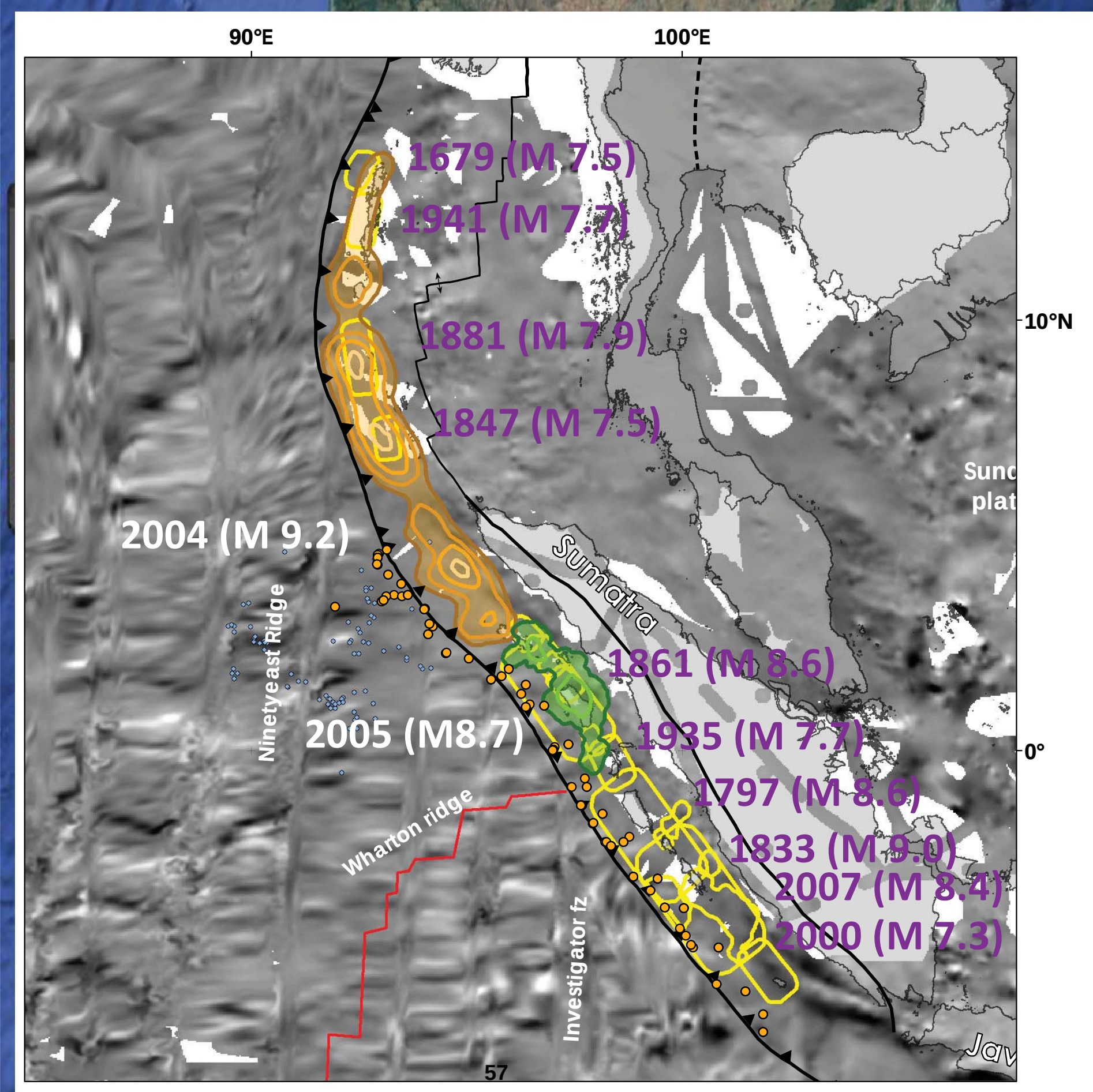
Convergent

Other

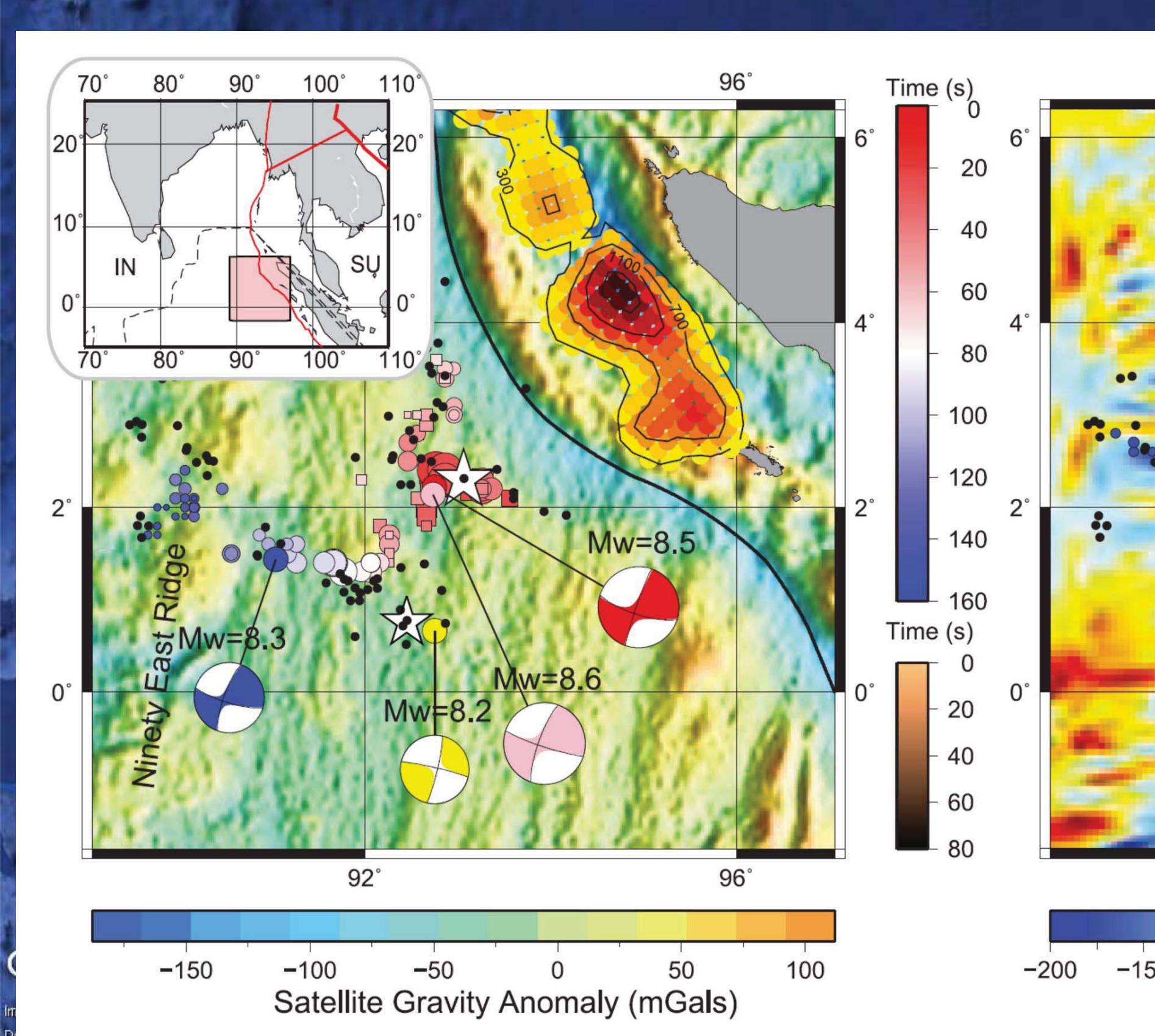
*Plate motion vectors plotted based on the direction of plate movement

INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
Shaking	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
Damage	None	None	None	Very slight	Light	Moderate	Moderate/heavy	Heavy	Very heavy
Peak Acc	<0.17	0.17-1.4	1.4-3.9	3.9-9.2	9.2-18	18-34	34-65	65-124	>124
Peak Vel	<0.1	0.1-1.1	1.1-3.4	3.4-8.1	8.1-16	16-31	31-60	60-116	>116

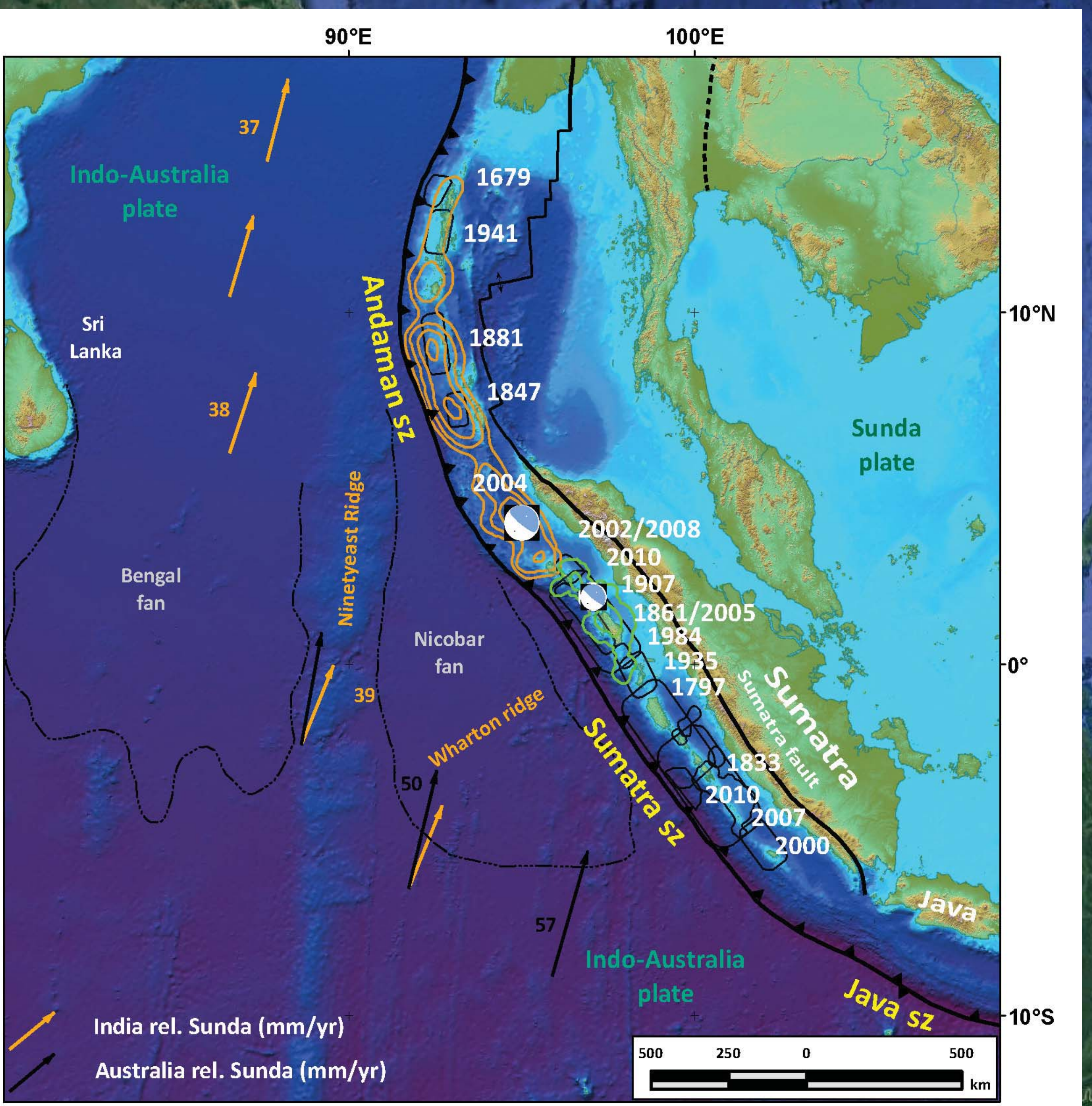
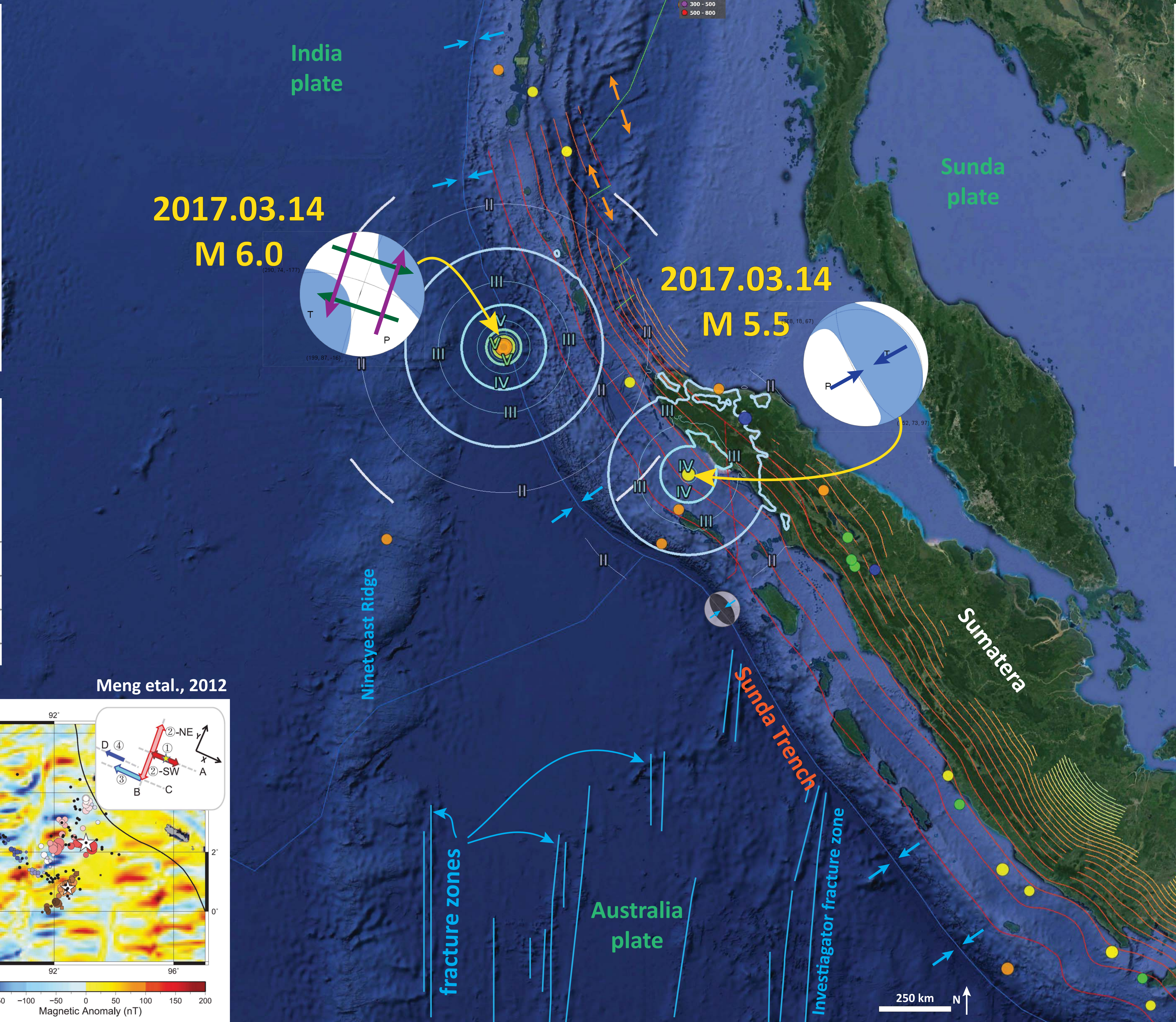
Peak Acc = Peak ground acceleration (g), Peak Vel = Peak ground velocity (cm/s)



Patton: Magnetic Anomalies

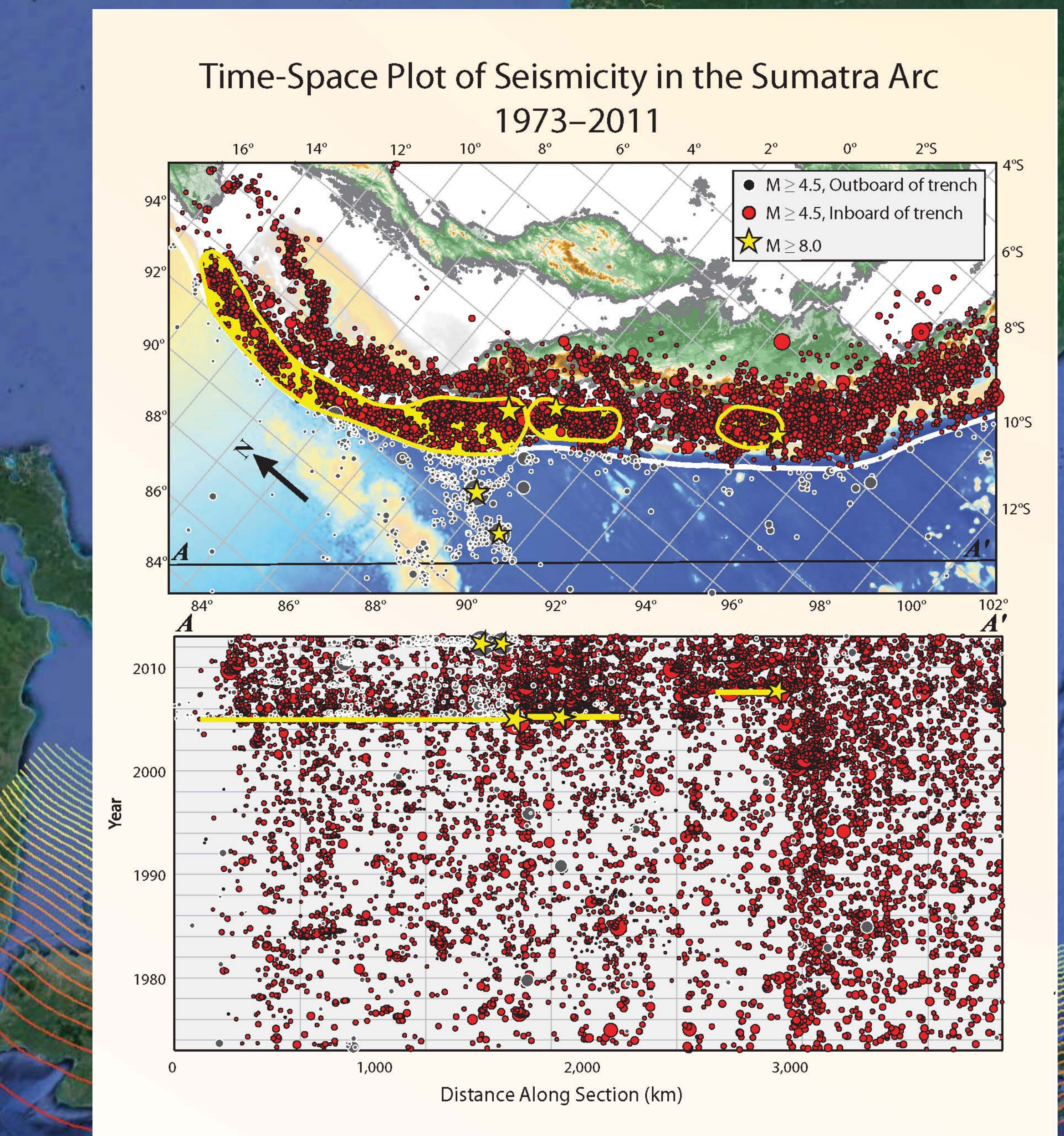


Earth Observatory Singapore



Patton et al., 2015

Hayes et al., 2013



Meng et al., 2012