Earthquake Report: 2018.08.05
M 6.9 Lombok

CCOP Coordinating Committee for Geoscience Programmes in East and Southeast Asia

Total Intensity Anomaly (nT)
-200 -150 -100 -50 0 50 100 150 200

CIRES

Jason R. Patton
earthjay.com © 2018

USGS Google Earth

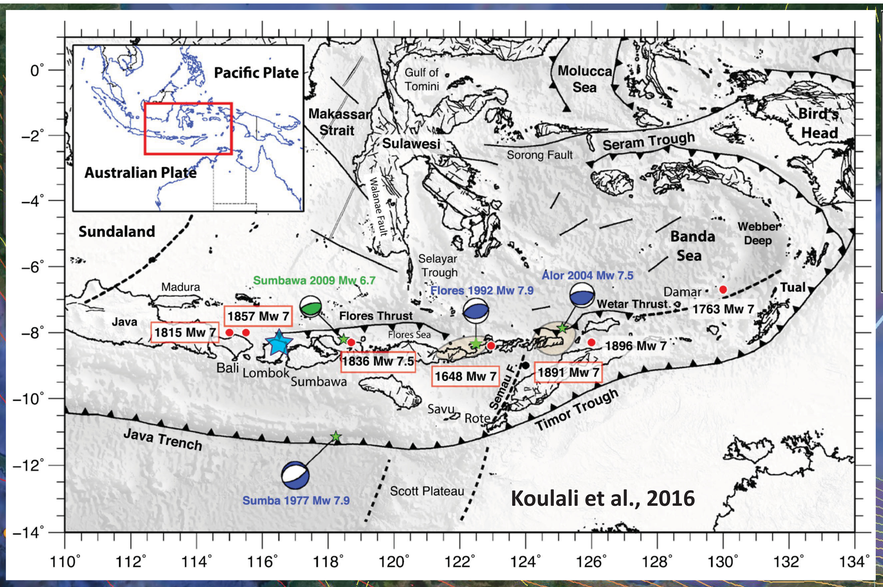
Depth to Slab (km)
0 50 100 150 200 250 300 350 400 450 500 550 600 650 700

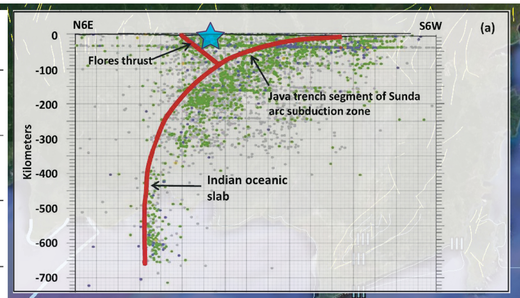
Plate Boundaries: Divergent, Transform, Convergent, Other
Plate Motion
*Plate motion vectors relative to Eurasian plate pole (Euler)

Normal Fault | Thrust Fault | Strike-Slip Fault
Top View
Side View
Side View

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)

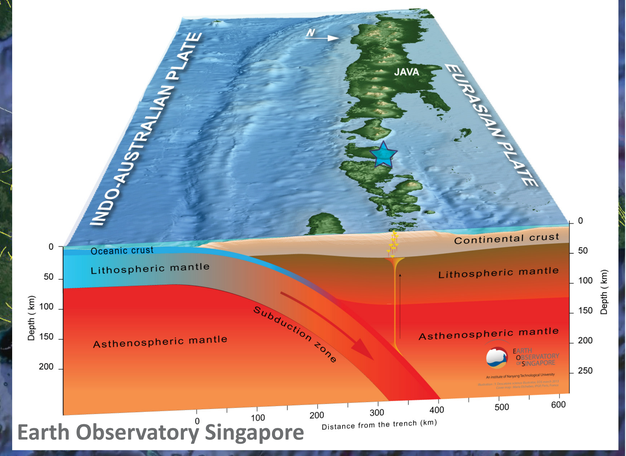




Hengesh and Whitney, 2016

Magnitude
8 7 6 5 4 3 2 1

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



Earth Observatory Singapore

Sunda plate

2018.08.05
M 6.9

2018.07.28
M 6.4

2018.07.28
M 6.0

2018.07.19
M 5.4

Java
Bali
Lombok
Sumbawa
Flores
Timor
Sumba
Flores Thrust
Sunda subduction zone
Australia plate
AU-SU
Koulali et al., 2016

