Earthquake Report: 2018.07.28
M 6.4 Lombok (& USGS Seismicity 1918-2018 M ≥ 6.0)

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

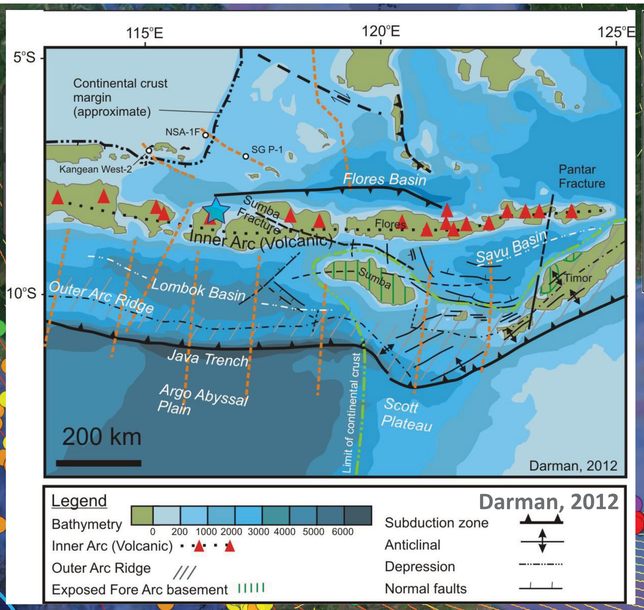
Normal Fault / Thrust Fault / Strike-Slip Fault (Top View, Side View)

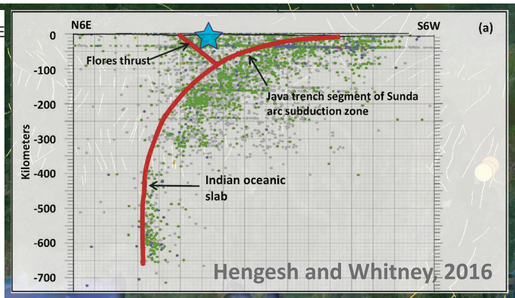
INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
Shaking	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
Damage	None	None	None	Very slight	Light	Moderate	Moderate/ heavy	Heavy	Very heavy
Peak Acc	<0.17	0.17-1.4	1.4-3.9	3.9-9.2	9.2-18	18-34	34-65	65-124	>124
Peak Vel	<0.1	0.1- 1.1	1.1-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

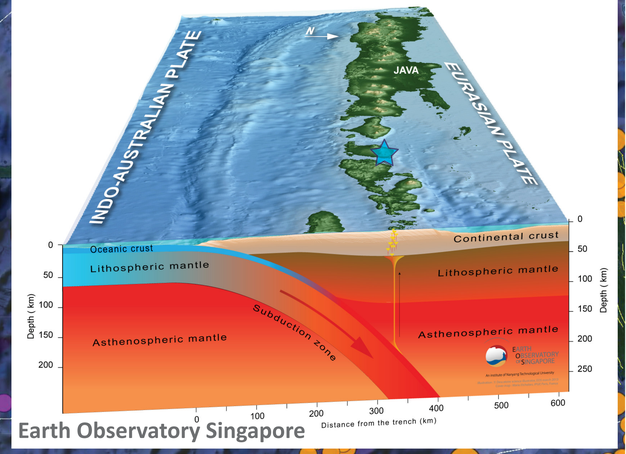
Peak Acc = Peak ground acceleration (g), Peak Vel = Peak ground velocity (cm/s)

Magnitude 8 7 6 5 4 3 2 1

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







Sunda plate

2018.07.28 M 6.4

2002.10.06 M 6.3

2018.07.28 M 6.0

1979.05.30 M 6.1

1979.10.20 M 6.2

1979.12.17 M 6.3

2007.11.25 M 6.5 A

2007.11.25 M 6.5 B

2009.11.08 M 6.6

2006.12.01 M 6.3

Java

Sunda subduction zone

Flores Thrust

Bali

Lombok

Sumbawa

Flores

Timor

Sumba

AU-SU

Australia plate

Silver et al., 1986

