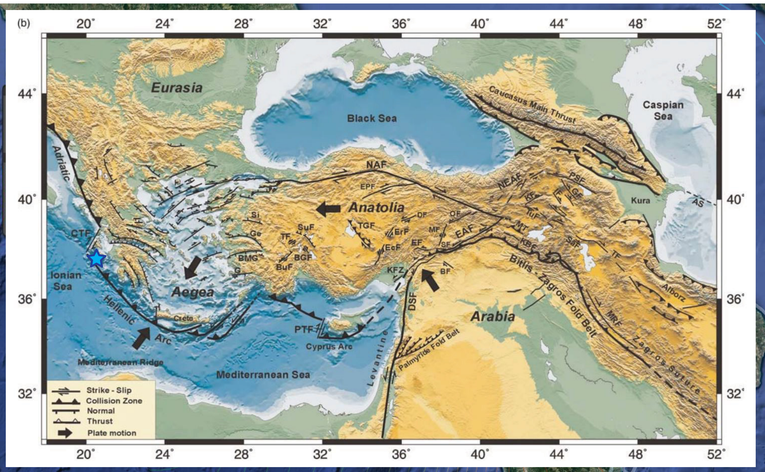
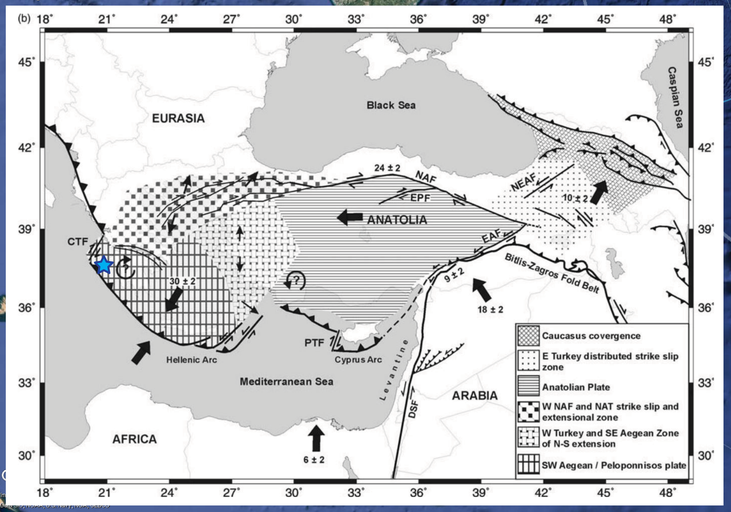
Earthquake Report: 2018.10.25
M 6.8 Greece (& USGS Seismicity 1918-2018 M ≥ 6.5)



Taymaz et al., 2007



Taymaz et al., 2007

Magnitude

8 7 6 5 4 3 2 1

Depth (km)

- 0 - 33
- 33 - 70
- 70 - 150
- 150 - 300
- 300 - 500
- 500 - 800

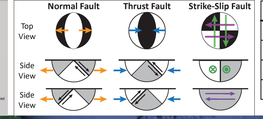
Jason R. Patton
earthjay.com © 2018

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, poles incorrect



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)

Eurasia plate

North Anatolian fault

2015.11.17
M 6.5

1981.12.19
M 7.2

1999.08.17
M 7.6

Anatolia plate

Ganas and Parsons, 2009

Adriatic Trench

Kefallonia fault

2018.10.25
M 6.8

2017.07.20
M 6.6

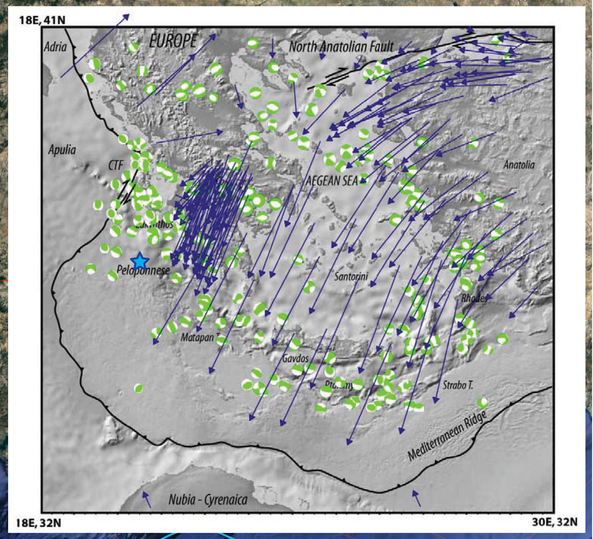
Aeolian Trench

2008.02.14
M 6.9

Ionian Trench

Strabo Trench

Nubia plate



Kokkalas et al., 2006

