

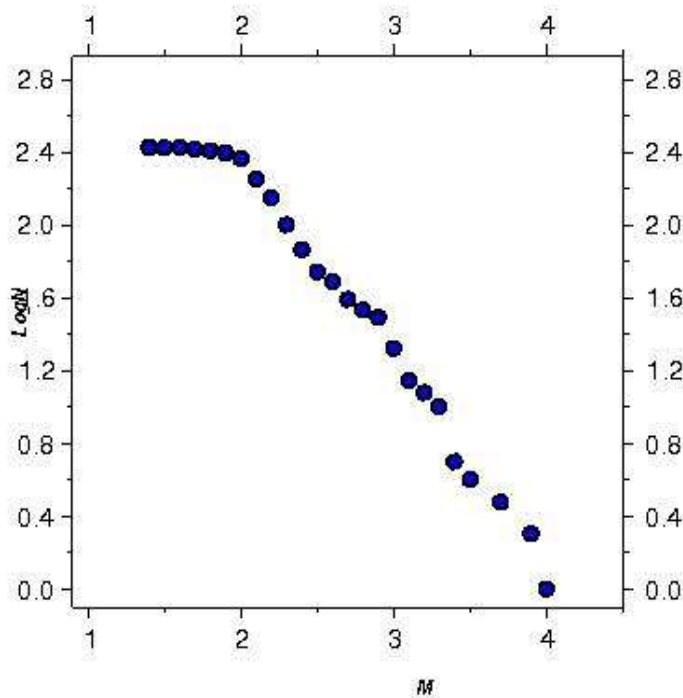
ΣΕΙΣΜΟΣ ΑΜΦΙΚΛΕΙΑΣ 16/09/2013

Έπειτα από ανανέωση του καταλόγου της ακολουθίας του σεισμού της Αμφίκλειας (Last event : 2013 09 24 07:11:31) προέκυψαν τα ακόλουθα:

Ε. Τέζα

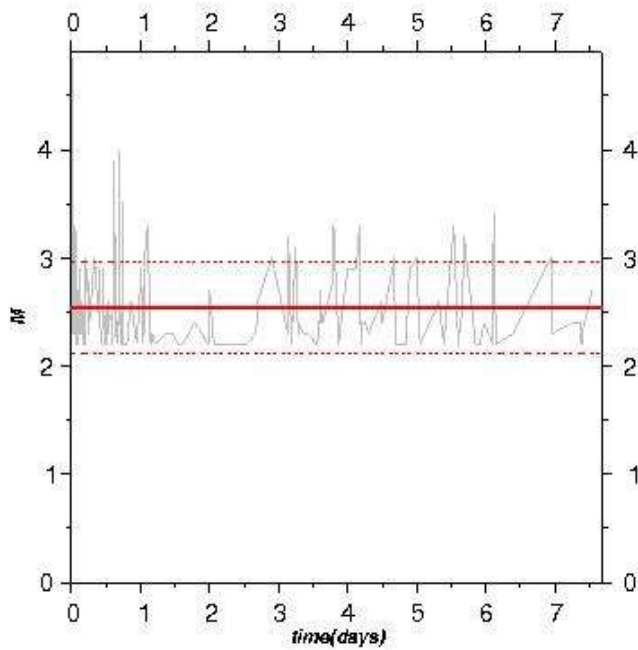
Μ. Σκορδύλης

G-R distribution



$$M_c = 2.2$$
$$\text{Log}N = -1.130 * M + 4.64$$
$$b = 1.130$$
$$a = 4.64$$

Mean magnitude



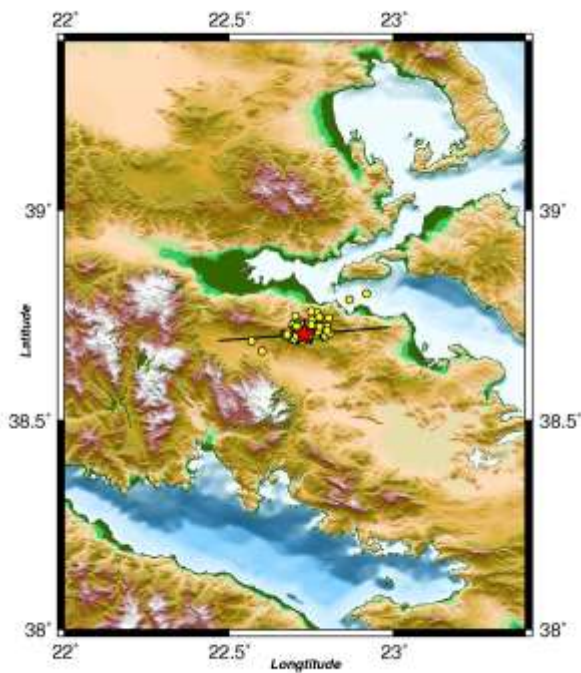
Mmean = 2.54

SD= 0.423

Mmean+SD = 2.963

Mmean-SD = 2.118

Seismicity map



Date: 16/09/2013

Time: 15:01:14

★ M = 4.9

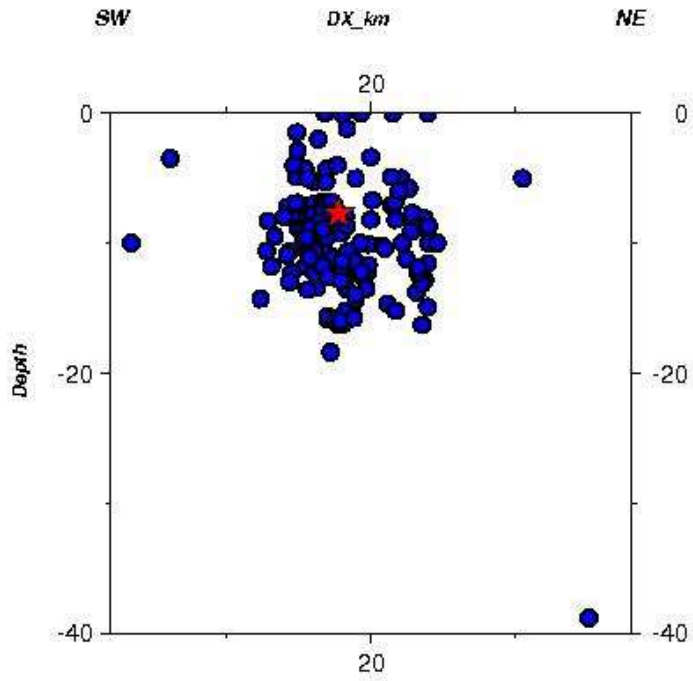
Latitude = 38.7060

Longitude = 22.7290

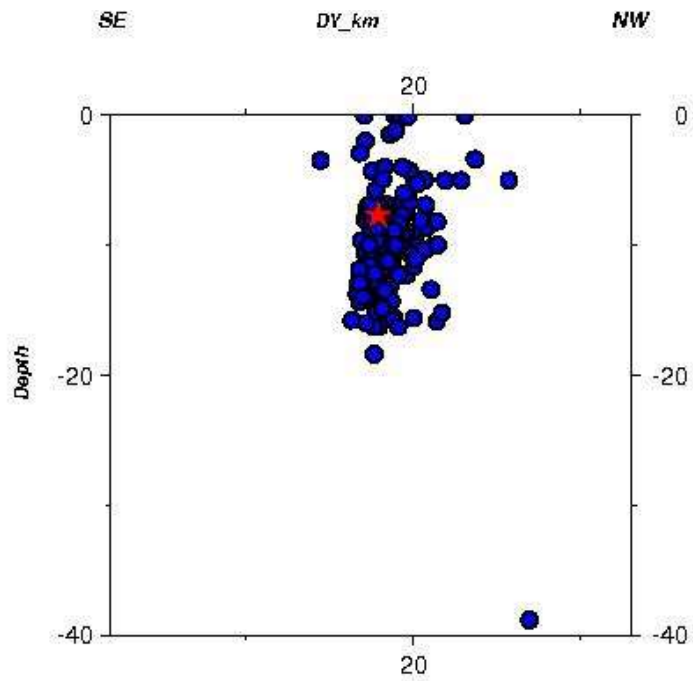
Depth = 7.70 km

Azimuth = 85.49

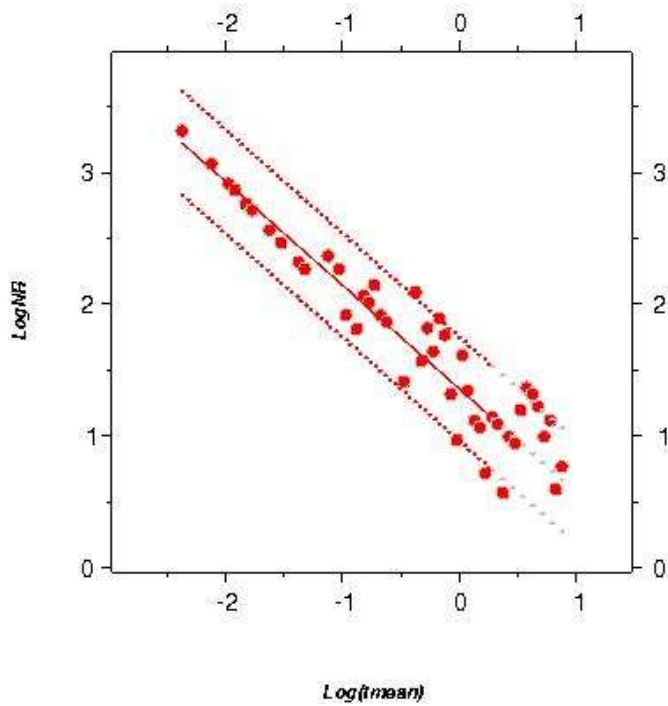
Along-strike section



Cross-strike section



Time distribution



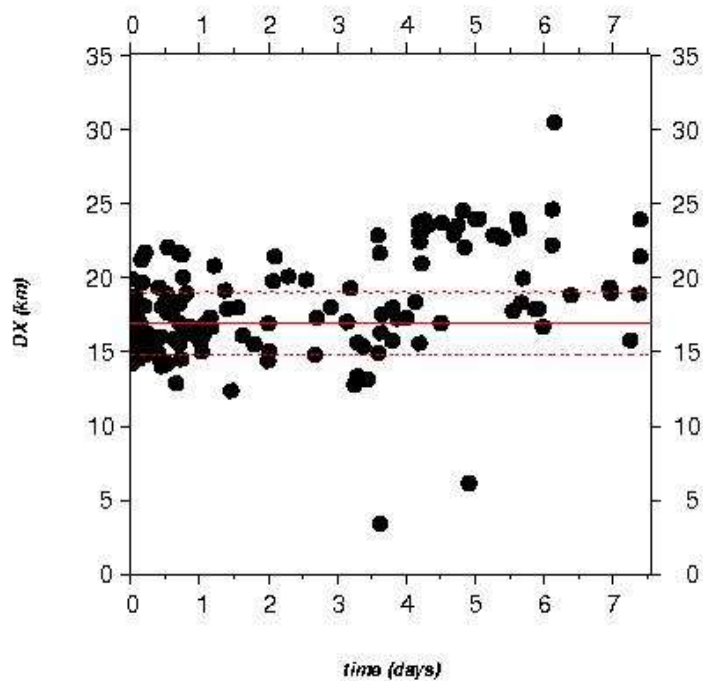
fit 48h: $y = -0.78 * x + 1.35$

fit 48h 95%

1st : $y_1 = -0.78 * x + 1.75$

2nd : $y_2 = -0.78 * x + 0.96$

Space-time distribution



Mean DX = 16.90 km

SD = 2.12 km

Mean DX + SD = 19.01 km

Mean DX - SD = 14.78 km

$L = \pm 2 * SD = \sim 8.48 \text{ km}$