

ΣΕΙΣΜΟΣ ΛΗΜΝΟΥ

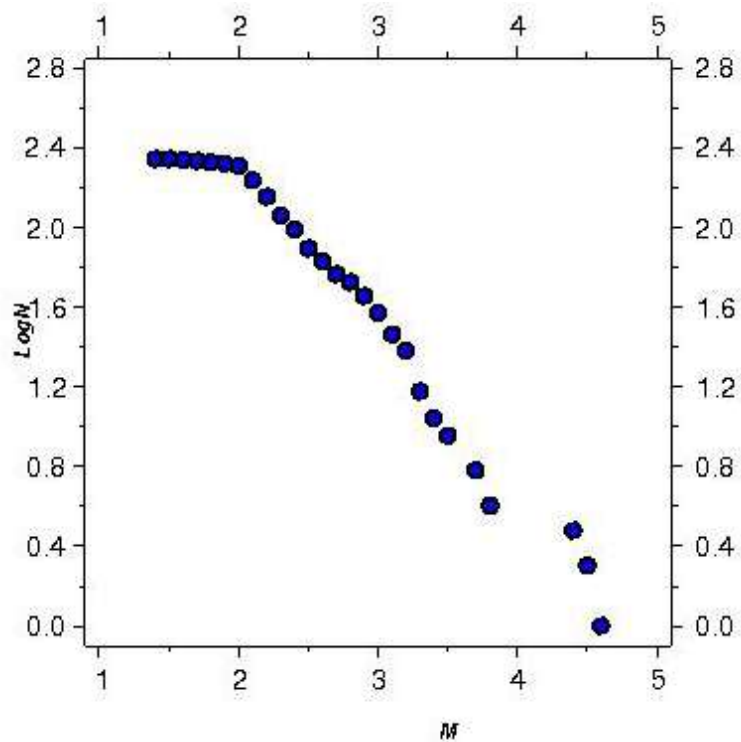
(08/01/2013, 14:16 GMT, M=5.9)

Έπειτα από την τελευταία ενημέρωση (Last event : 15/01/2013, 19:29:39 GMT) του καταλόγου της ακολουθίας του σεισμού της Λήμνου προέκυψαν τα ακόλουθα:

Ε. Τέζα

Μ. Σκορδύλης

G-R distribution



Mc = 2.0

LogN = -0.86*M + 4.05

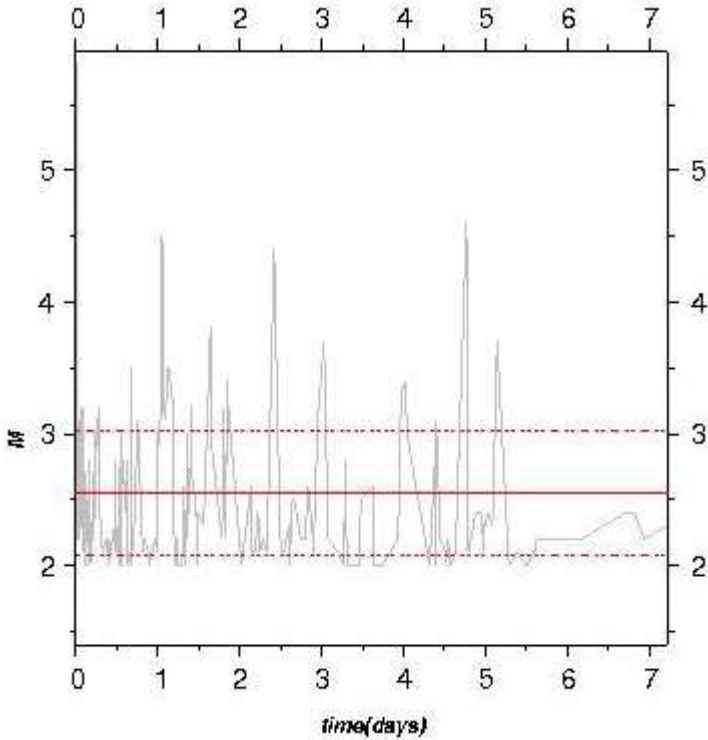
b=0.86

a= 4.05

R²=0.98

σ = 0.01

Mean magnitude



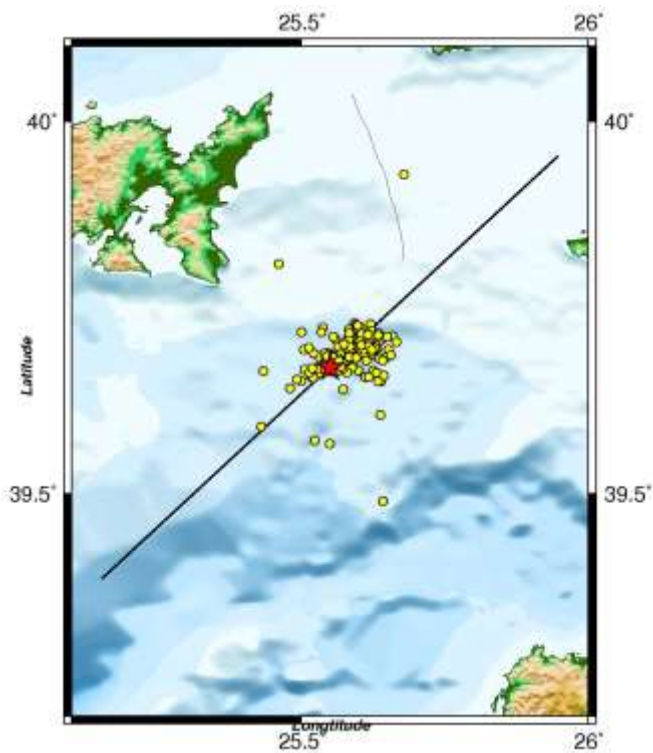
Mmean = 2.55

SD= 0.47

Mmean+SD = 3.02

Mmean-SD = 2.08

Seismicity map



Date: 08/01/2013

Time: 14:16:08

★ M = 5.9

Latitude = 39.6700

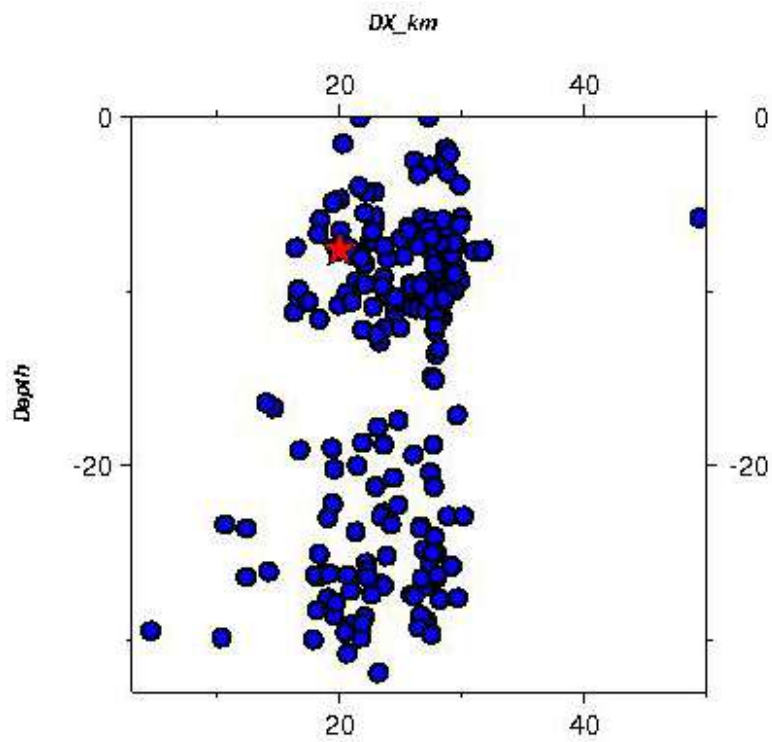
Longitude = 25.5500

Depth = 7.60 km

L (M)= 14.421 km

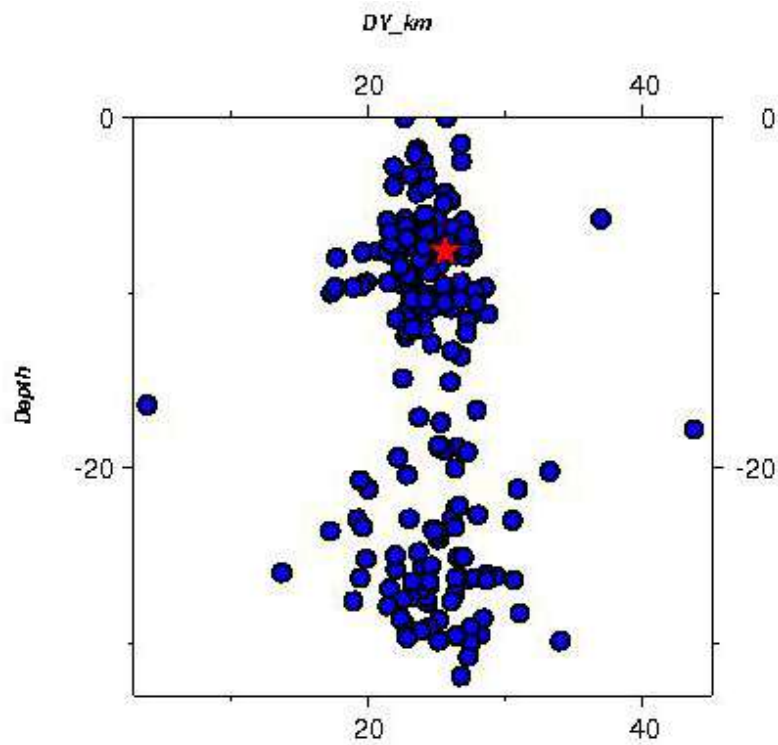
Azimuth = 47.09

Along-strike section



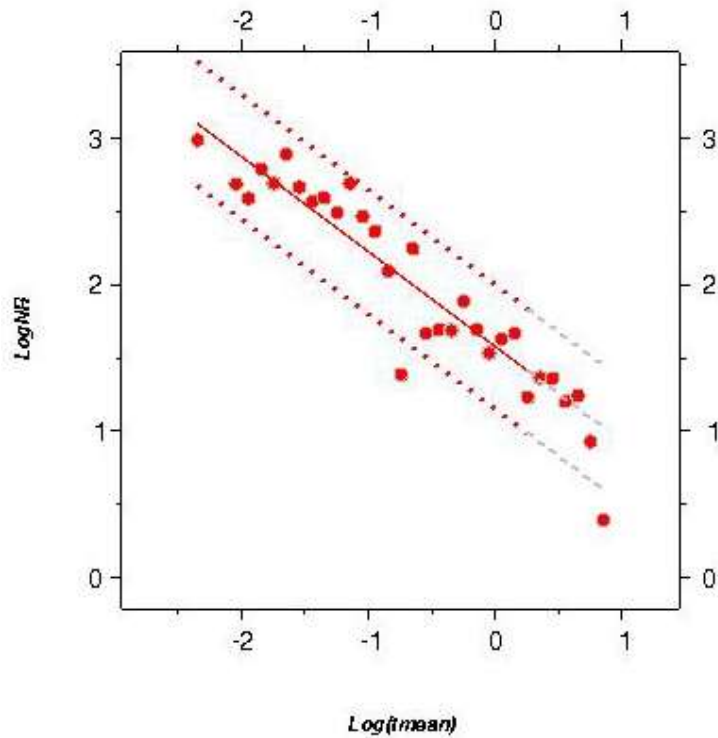
$\bar{L} \sim 13\text{km}$

Cross-strike section



Fault dip almost vertical

Time distribution



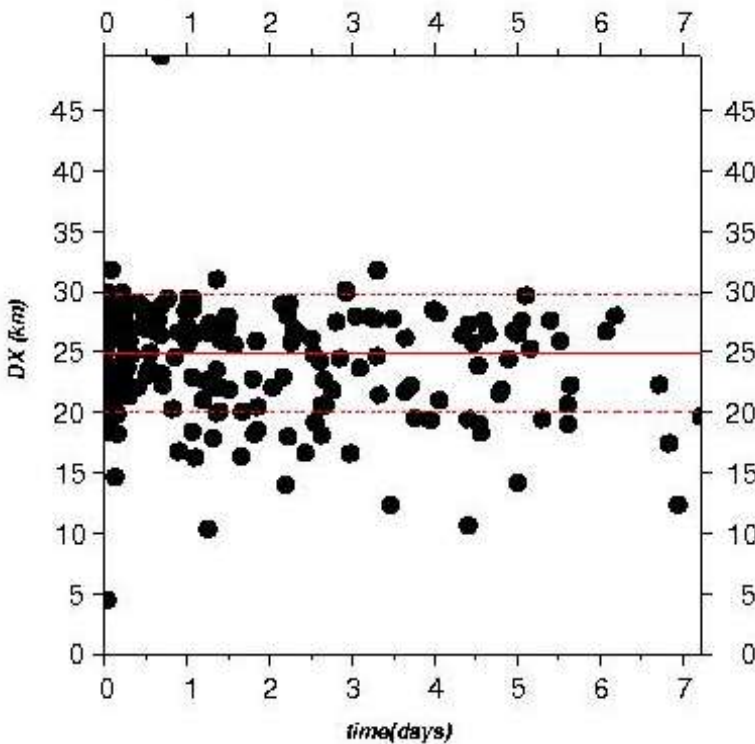
fit 48h: $y = -0.647 * x + 1.57$

fit 48h 95%

1st : $y_1 = -0.647 * x + 2.00$

2nd : $y_2 = -0.647 * x + 1.15$

Space-time distribution



Mean DX = 24.88 km

SD = 4.81 km

Mean DX + SD = 29.69 km

Mean DX - SD = 20.07 km

$L = 2 * \text{SD} = \sim 9.6 \text{ km}$

$L(M) = 14 \text{ km}$