

# ΣΕΙΣΜΟΣ ΛΗΜΝΟΥ

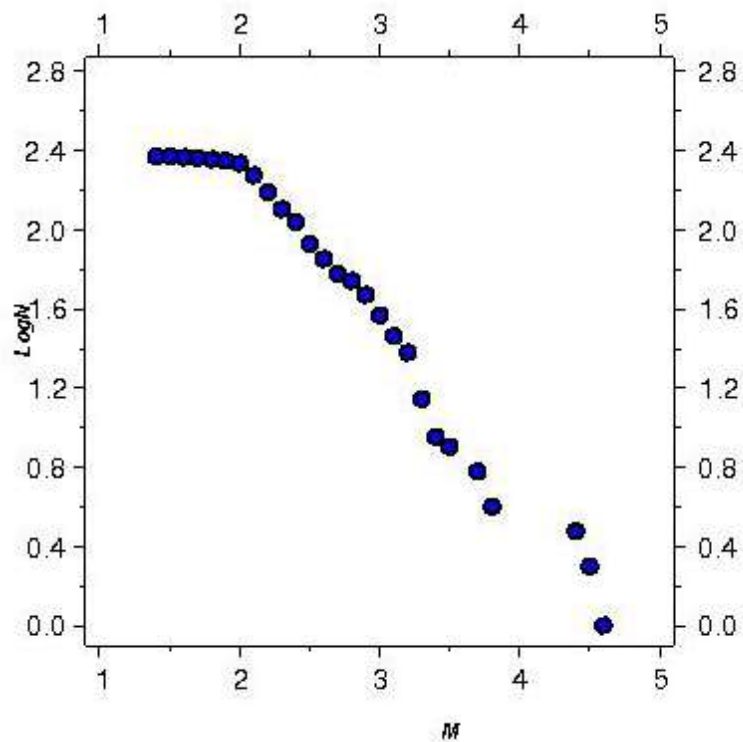
(08/01/2013, 14:16 GMT, M=5.9)

Έπειτα από την τελευταία ενημέρωση (Last event: 17/01/2013, 23:11:14 GMT) του καταλόγου της ακολουθίας του σεισμού της Λήμνου προέκυψαν τα ακόλουθα:

Ε. Τέζα

Μ. Σκορδύλης

## G-R distribution



**Mc = 2.0**

**LogN = -0.88\*M + 4.12**

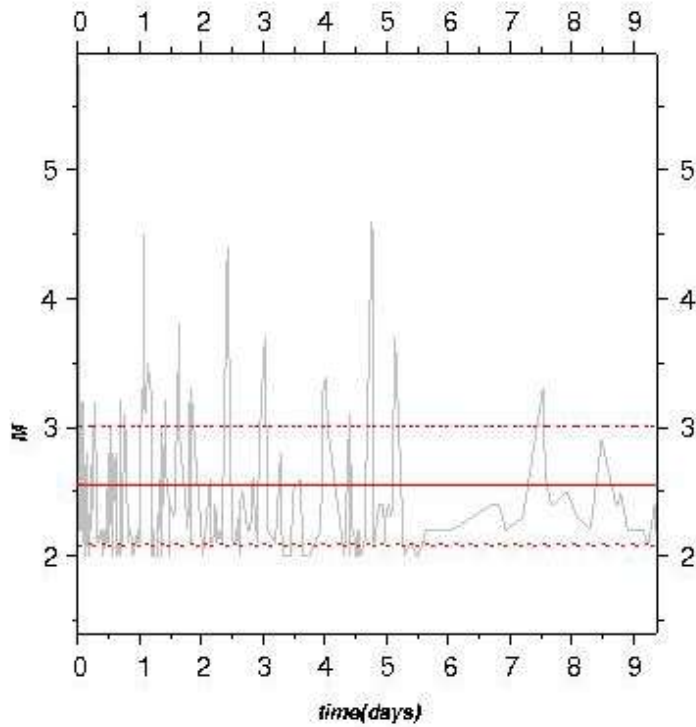
**b=0.88**

**a= 4.12**

**R<sup>2</sup>=0.98**

**σ = 0.01**

## Mean magnitude



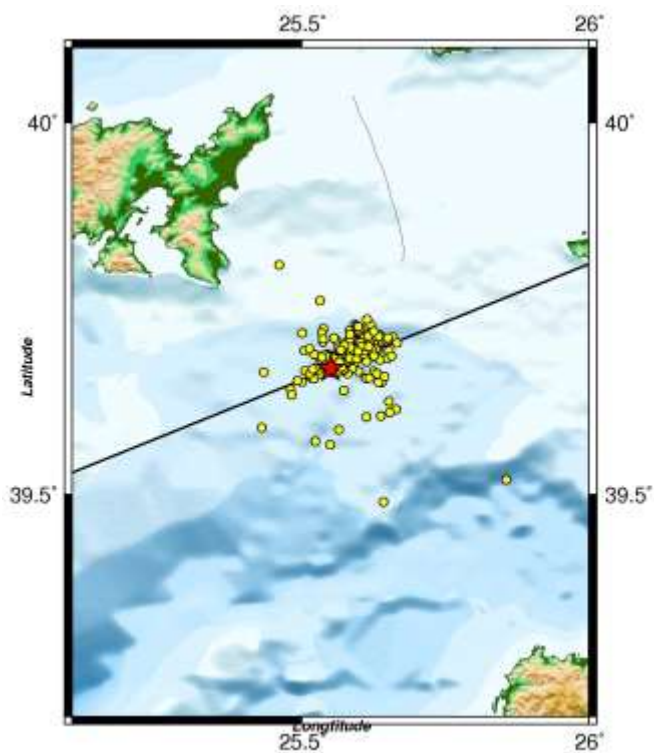
**Mmean = 2.55**

**SD= 0.46**

**Mmean+SD = 3.01**

**Mmean-SD = 2.09**

## Seismicity map



**Date: 08/01/2013**

**Time: 14:16:08**

**★ M = 5.9**

**Latitude = 39.6700**

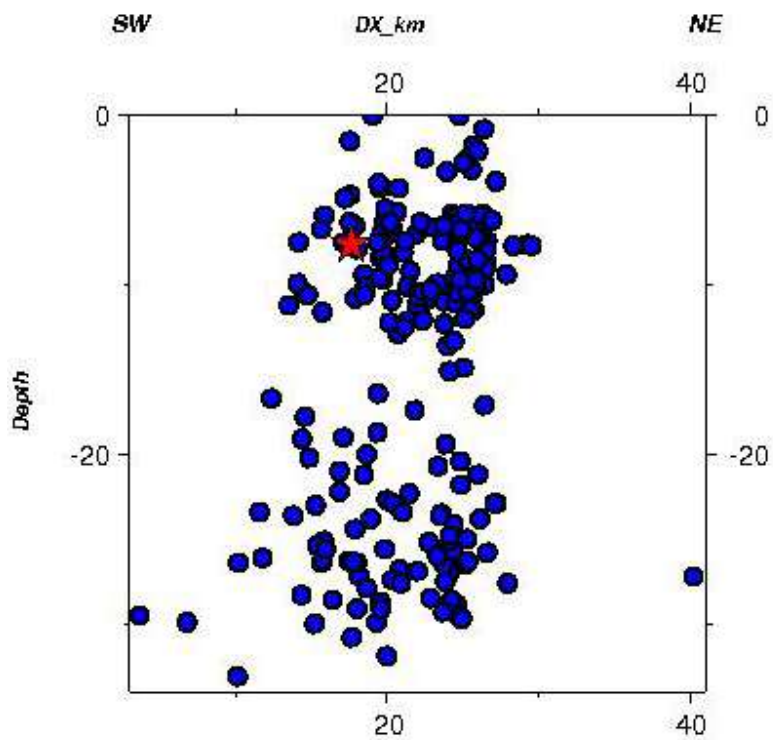
**Longitude = 25.5500**

**Depth = 7.60 km**

**L (M)= 14.421 km**

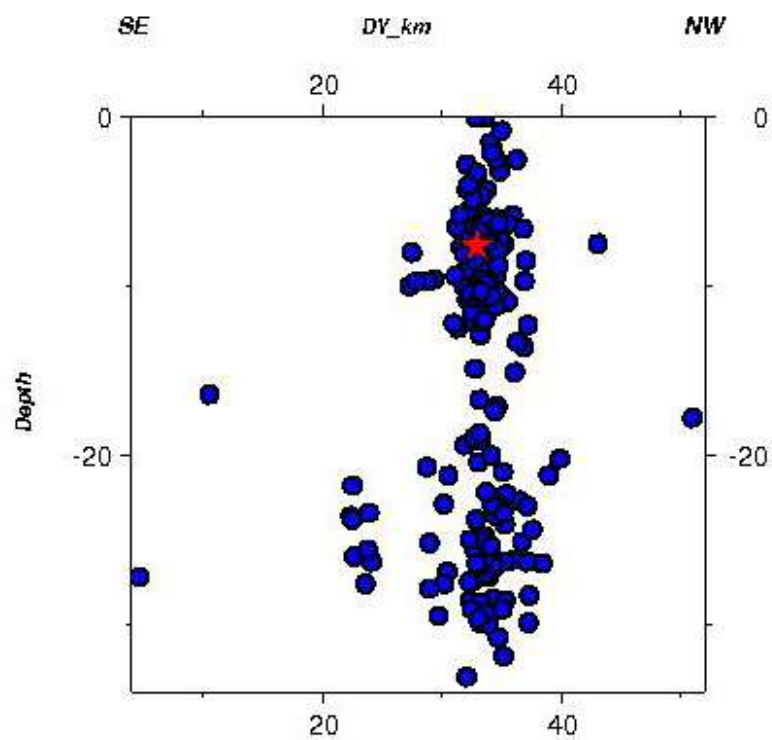
**Azimuth = 67.9**

### Along-strike section



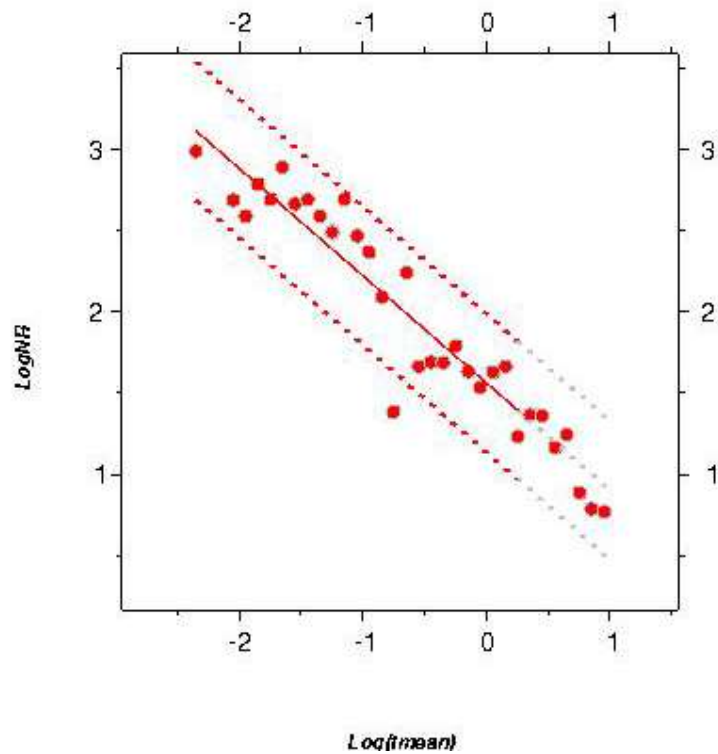
$\bar{L} \sim 15 \text{ km}$

### Cross-strike section



Fault dip almost vertical

## Time distribution



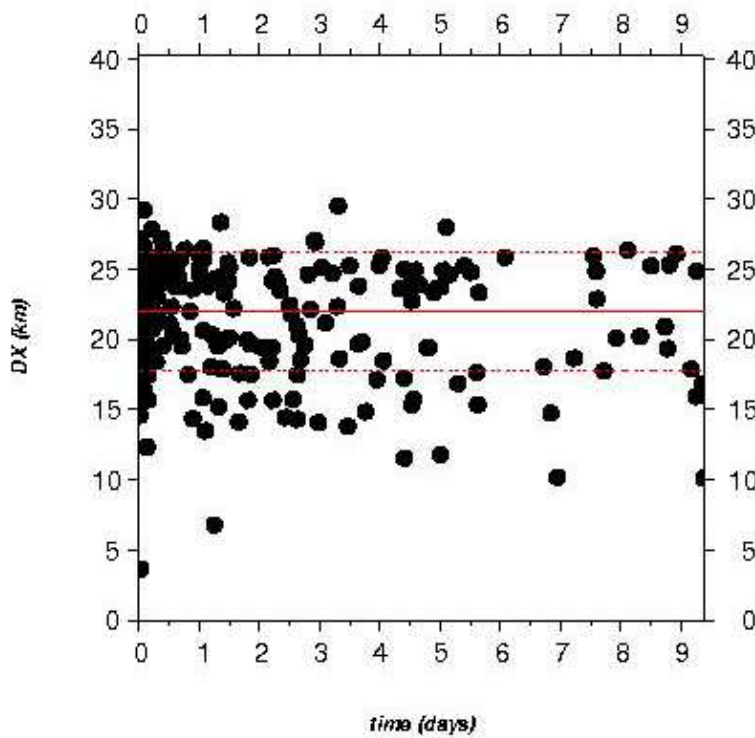
fit 48h:  $y = -0.66 * x + 1.56$

fit 48h 95%

1st :  $y_1 = -0.66 * x + 1.99$

2nd :  $y_2 = -0.66 * x + 1.14$

## Space-time distribution



Mean DX = 21.95 km

SD = 4.23 km

Mean DX + SD = 26.18 km

Mean DX - SD = 17.73 km

$L = 2 * SD = \sim 8.5 \text{ km}$

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