

***Division II – Seismic observation network***



***April 30<sup>th</sup>, 2004  
Earthquake Report***

*by*

*A. Aldea  
S. Demetriu  
E. Albota  
O. Bogdan  
L. Sonia*

## 1. General elements

Date & time	April 30 <sup>th</sup> , 2004; 09:19:36.00 UTC
Seismic source	Vrancea crustal
Magnitude	Mw=3.2 (moment magnitude)
Location	45.6 °N; 27.13 °E
Depth	16.9 km

Seismic event characteristics were compiled from *EMSC* ([www.emsc-csem.org](http://www.emsc-csem.org)), *USGS* (<http://earthquake.usgs.gov/eqcenter/>) and *NIEP* (<http://www.infp.ro/>) websites.

The earthquake was recorded by 1 *NCSRR* seismic station, outside Bucharest.

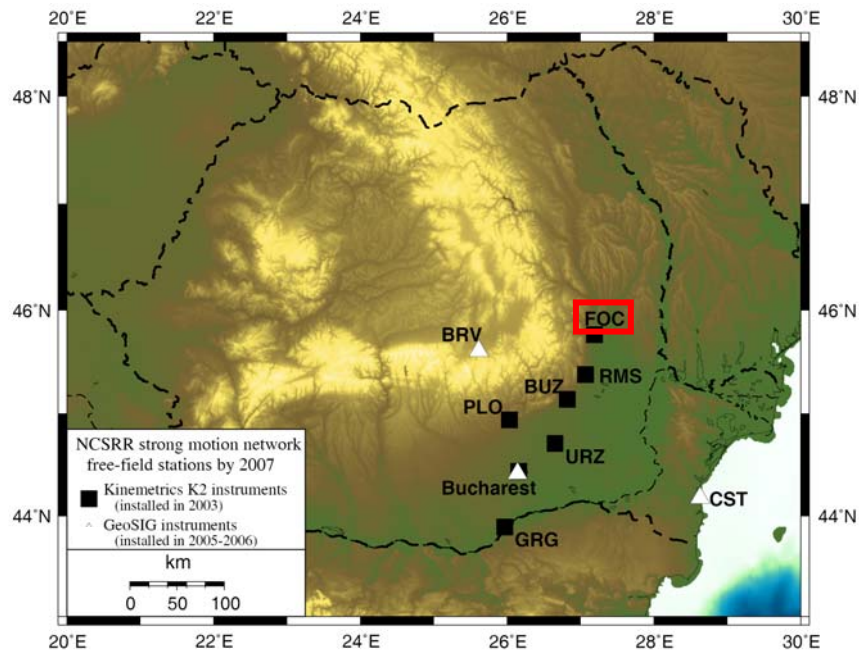


Figure 1. Location of free-field *NCSRR* station with records during April 30<sup>th</sup>, 2004 Vrancea crustal earthquake (highlighted with red)

## 2. Earthquake records in *NCSRR* network

Table 1. Peak ground acceleration at *NCSRR* free field FOC seismic station during April 30<sup>th</sup>, 2004 Vrancea crustal earthquake

	PGA (cm/s <sup>2</sup> )
Station/ Comp.	<b>FOC</b>
EW	5.1
NS	6.1
V	3.6

### 3. Examples of NCSRR network recorded accelerograms

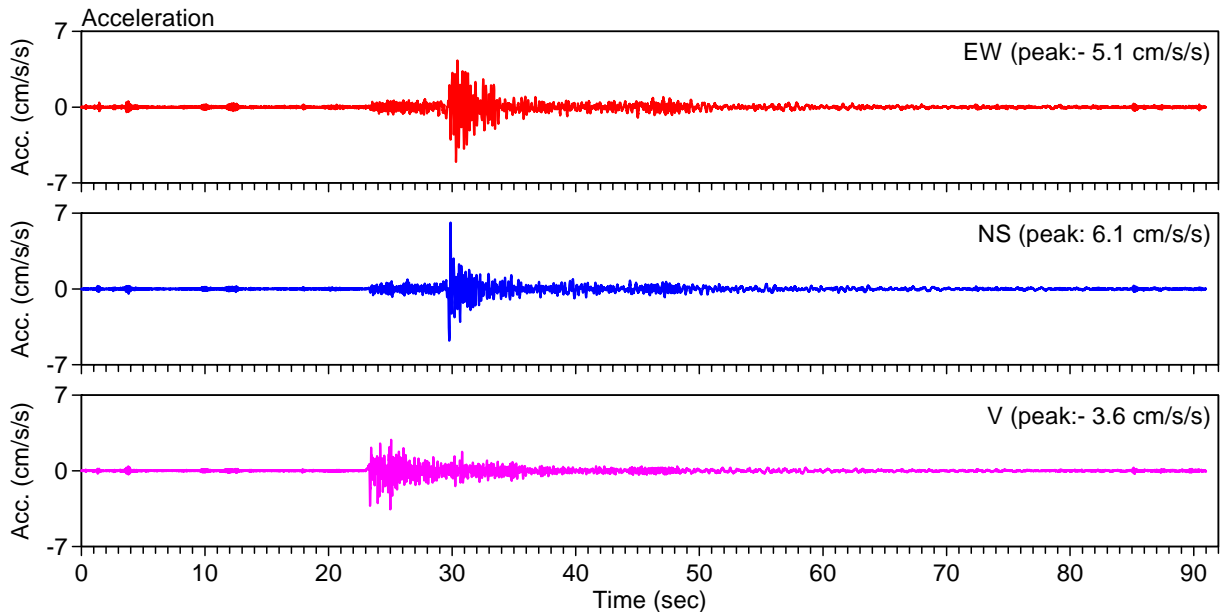


Figure 2. Accelerogram recorded at FOC free-field seismic station during April 30<sup>th</sup>, 2004 Vrancea crustal earthquake ( $M_w=3.2$ )

### 4. Acknowledgements

Acknowledgements to *Japan International Cooperation Agency JICA* for donation of seismic instrumentation, to *Ministry of Regional Development and Housing MDRL* for the budget for developing the seismic network and for maintenance, to all institutions that are kindly hosting NCSRR seismic stations, to all persons that supported the installation of the network, and to former NCSRR Division's II staff involved in earthquake records retrieval and processing. Thanks to the staff of *Building Research Institute, Tsukuba*, for their support related to NCSRR network.