

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



***May 14<sup>th</sup>, 2004  
Earthquake Report***

*by*

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

## 1. General elements

Date & time	May 14 <sup>th</sup> , 2004; 11:09:37.00 UTC
Seismic source	Bulgaria
Magnitude	no estimation
Location	43.50 °N; 26.50 °E
Depth	10 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 2 *NCSRR* seismic stations, all of them are borehole stations located in Bucharest.

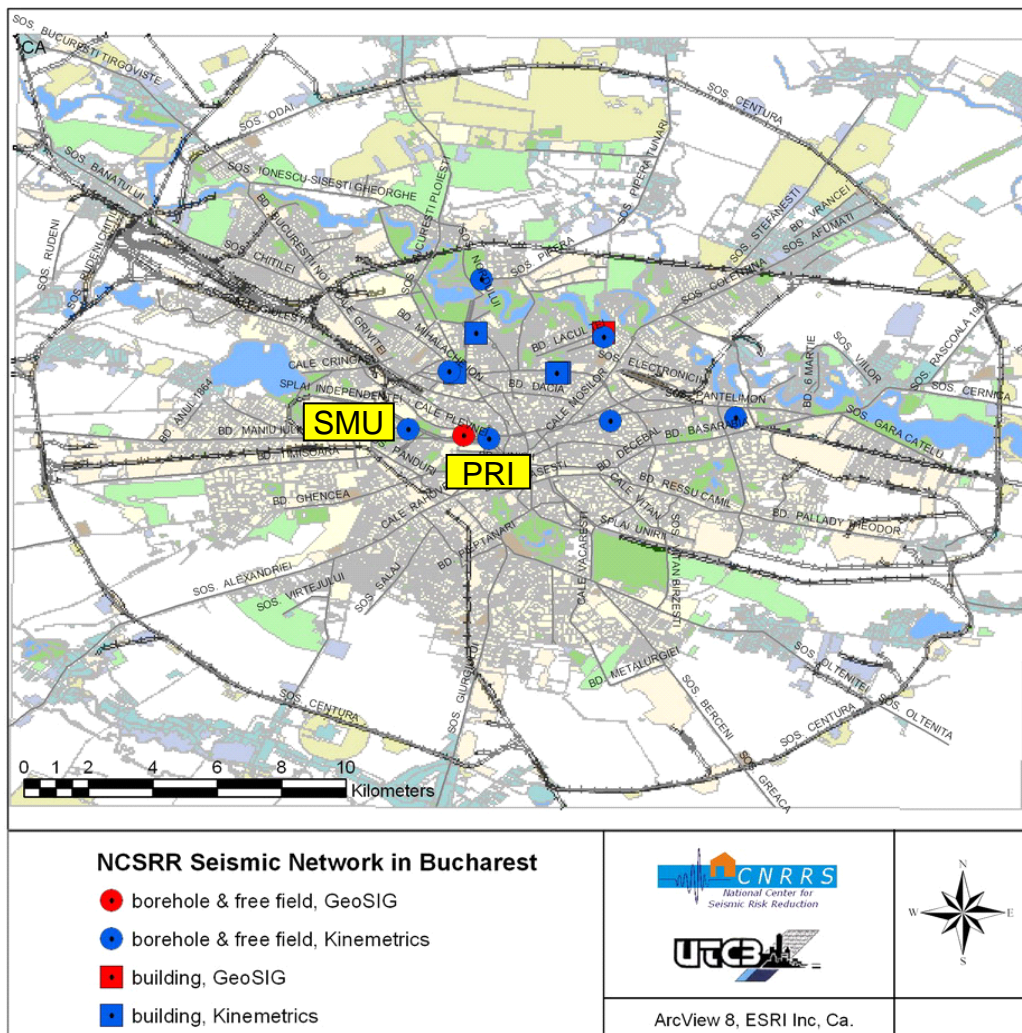


Figure 1. Bucharest - location of *NCSRR* stations with records during May 14<sup>th</sup>, 2004 Bulgarian earthquake

## 2. Earthquake records in *NCSRR* network

Table 1. Peak ground acceleration at *NCSRR* borehole seismic stations during May 14<sup>th</sup>, 2004 Bulgarian earthquake

Statio	PGA (cm/s <sup>2</sup> )					
	SMU			PRI		
Comp.	EW	NS	V	EW	NS	V
S	1.4	0.5	0.5	0.8	0.9	0.7
B1	1.9	0.6	0.6	0.3	0.3	0.2
B2	1.7	0.2	0.2	0.3	0.3	0.2

S – ground surface; B1 – shallow borehole; B2 – deep borehole

### 3. Example of NCSRR network recorded accelerograms

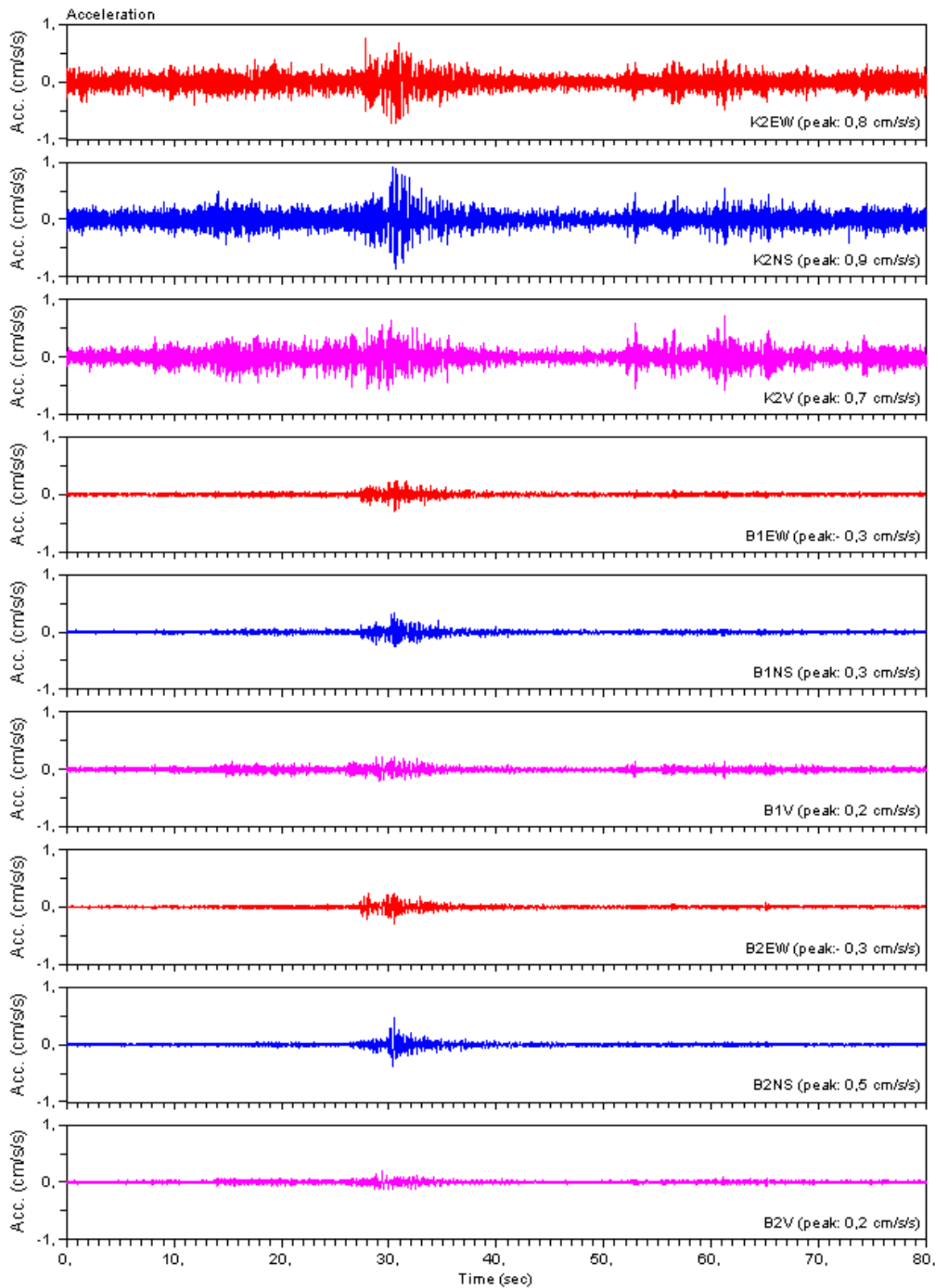


Figure 2. Accelerograms recorded at PRI borehole seismic station during May 14<sup>th</sup>, 2004 Bulgarian earthquake

#### **4. Acknowledgements**

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