

Division II – Seismic observation network



***December 24th, 2003
Earthquake Report***

by

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1. General elements

Date & time	December 24 th , 2003; 13:44:59.00 UTC
Seismic source	Vrancea subcrustal
Magnitude	Mw=3.8 (moment magnitude)
Location	45.06 °N; 26.08 °E
Depth	86 km

Seismic event characteristics were compiled from *EMSC* (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, in an instrumented building located in Bucharest.

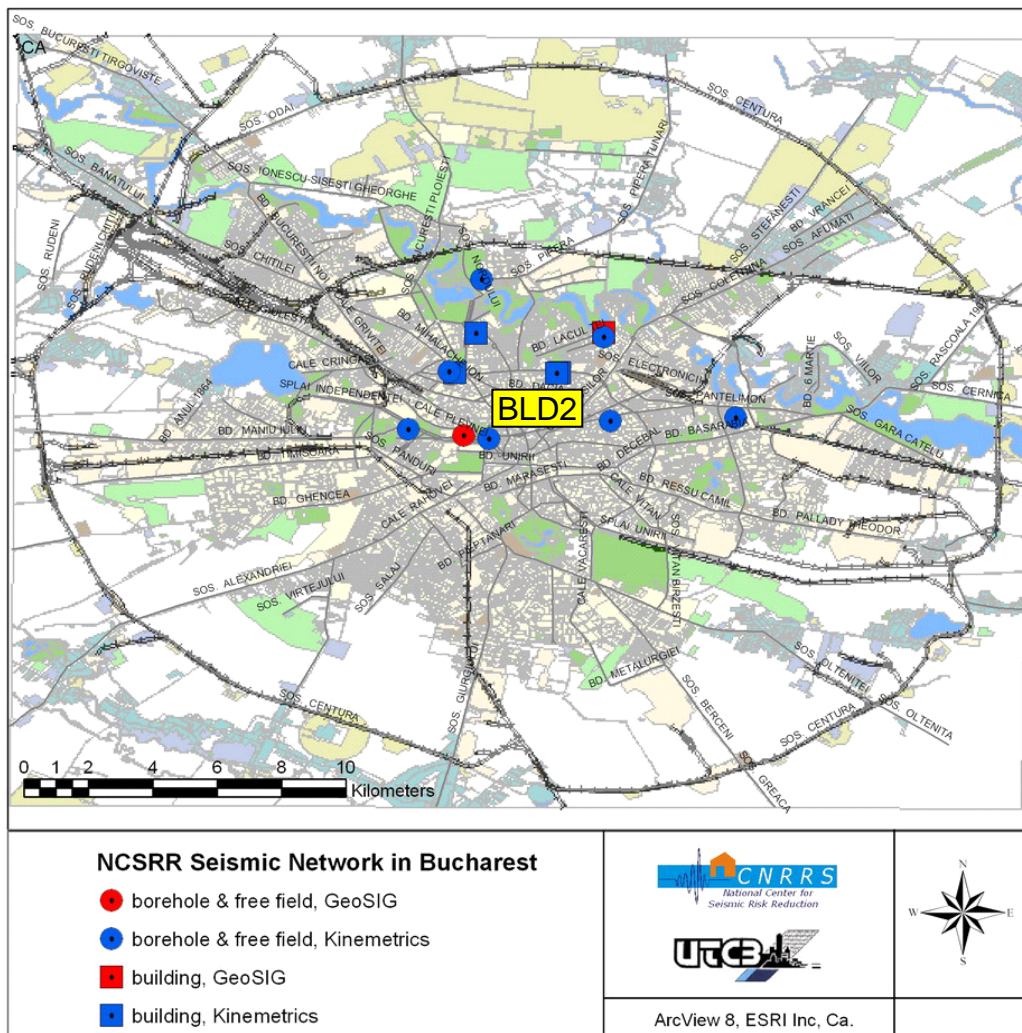


Figure 1. Bucharest - location of *NCSRR* station BLD2 with records during December 24th, 2003 Vrancea subcrustal earthquake

2. Earthquake record in *NCSRR* network

Table 1. Peak acceleration at *NCSRR* building seismic station BLD2 during December 24th, 2003 Vrancea subcrustal earthquake (L - longitudinal building direction, T - transversal building direction)

Station	Peak Acceleration (cm/s ²)		
	BLD2		
Location / Comp.	T	L	V
6 th floor	0.9	2.9	1.0
3 rd floor	0.3	1.1	0.7
S (Basement)	0.5	1.7	0.5

3. Example of NCSRR network recorded accelerograms

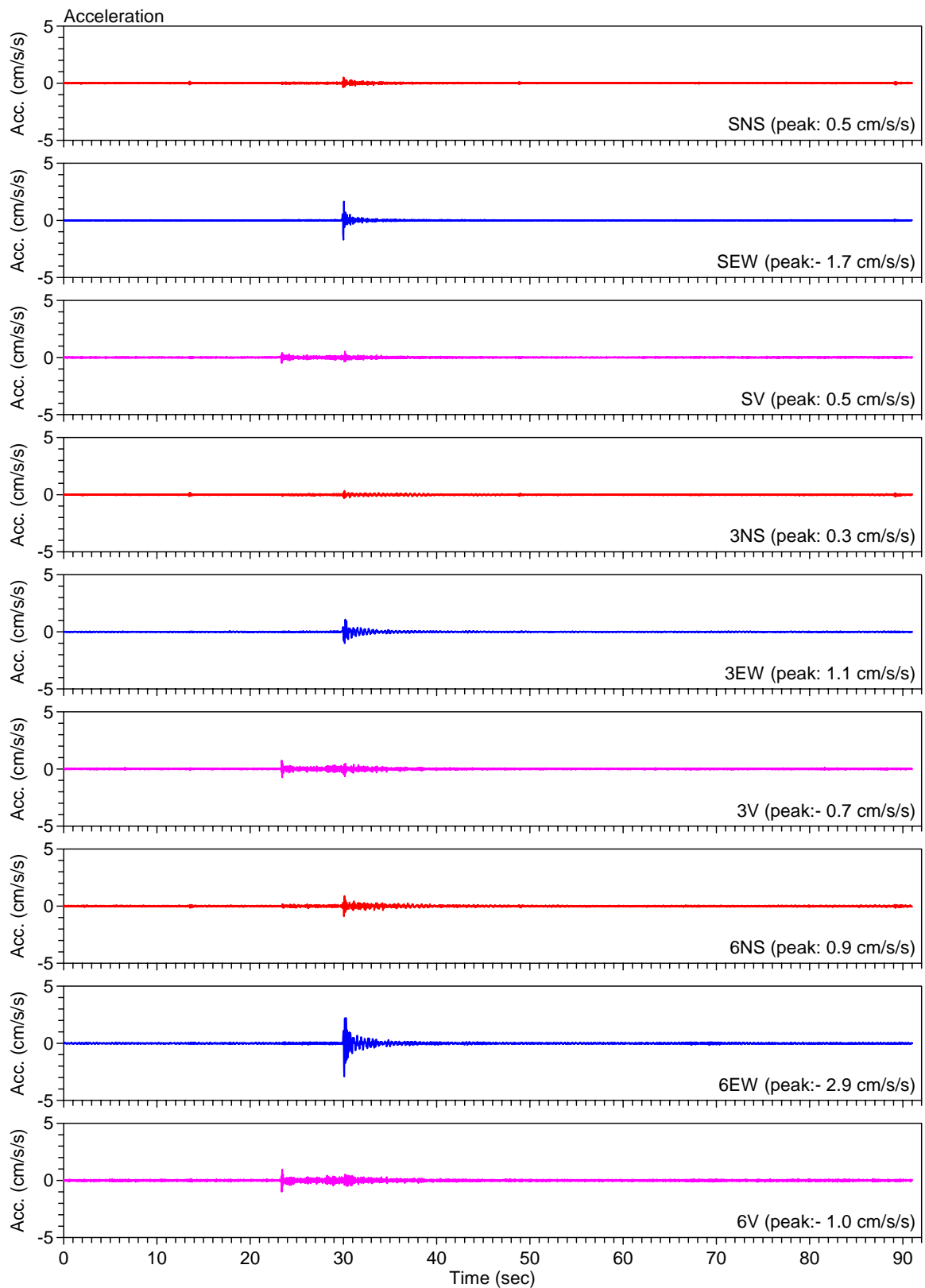


Figure 2. Accelerograms recorded at BLD2 building seismic station during December 24th, 2003 Vrancea subcrustal earthquake ($M_w=3.8$) (NS = Transversal, EW = Longitudinal)

4. Acknowledgements

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