



National Institute for Earth Physics - Magurele

Seismic report - manual

Event local time: Tue Mar 23,2021 08:26:53

Romania - Event 23062653 - Vrancea seismic zone

Tue Mar 23, 2021 06:26:53 GMT ML 3.8 N45.45 E26.28 Depth: 123.5km ID:23062653

NOTE: Accelerations, velocities and intensities are calculated automatically and are not revised by human operator. Their accuracy has not been evaluated.

Seismicity of Romania - latest large intermediate earthquakes

Date	Time	Lon	Lat	Depth	Mw
28-Oct-2018	00:38:11	26.41	45.61	147.8	5.5
27-Dec-2016	23:20:55	26.60	45.71	96.9	5.6
23-Sep-2016	23:11:20	26.62	45.71	92.0	5.5
06-Oct-2013	01:37:21	26.58	45.67	135.1	5.2
25-Apr-2009	17:18:48	26.62	45.68	109.6	5.4
18-Jun-2005	15:16:41	26.66	45.72	153.7	5.2
14-May-2005	01:53:21	26.53	45.64	148.5	5.5
27-Oct-2004	20:34:36	26.63	45.84	105.4	6.0
06-Apr-2000	00:10:38	26.64	45.75	143.4	5.0
28-Apr-1999	08:47:56	26.27	45.49	151.1	5.3

Source: ROMPLUS Catalogue

Romania – Event 23062653 – Vrancea seismic zone

Attenuation laws – GMPE::VS10 IPE::VS04_msk

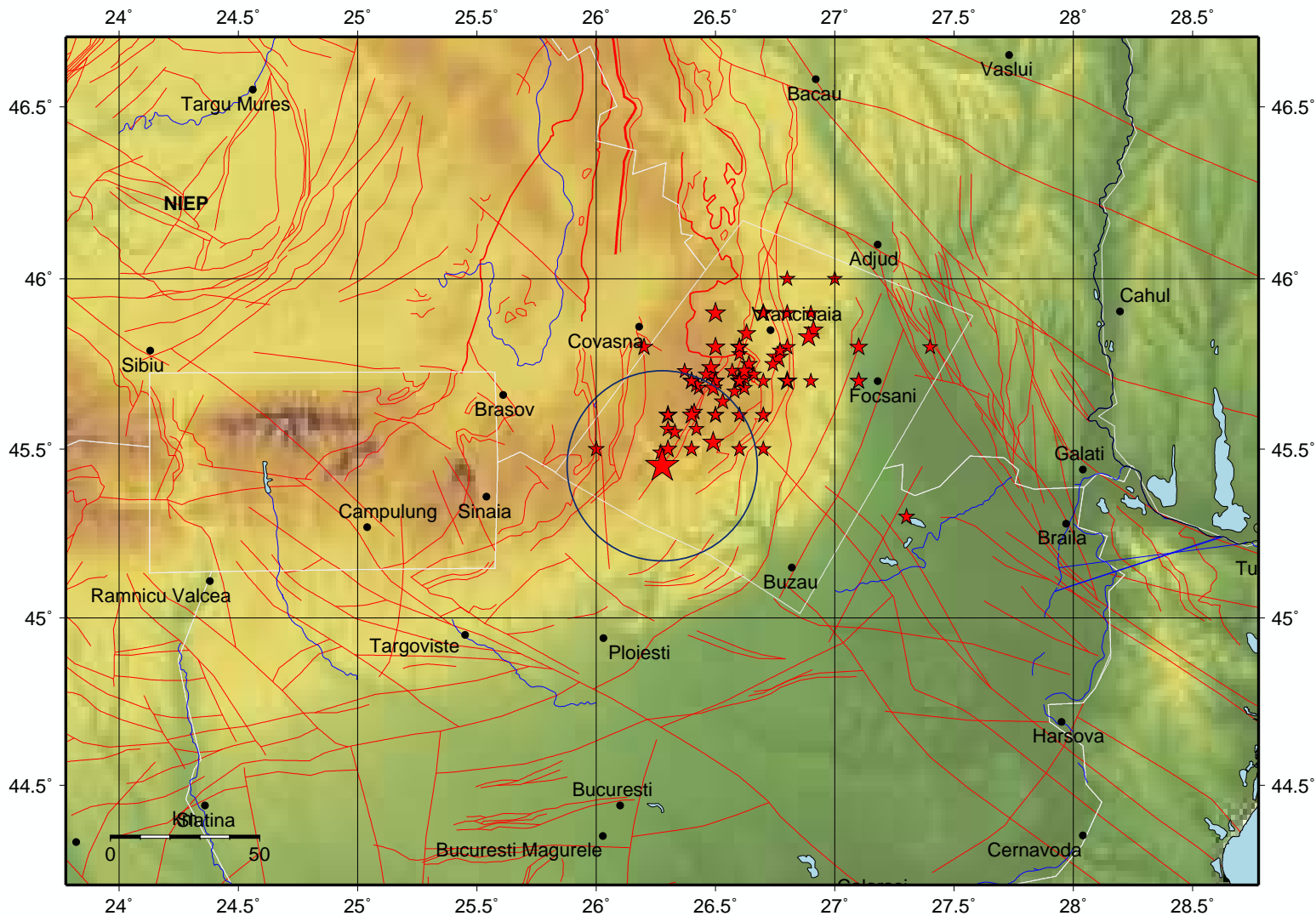
Max. grid values – pga: 1.47(cm/sec**) pgv: 0.01(cm/sec) mi: 2.3

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Local time

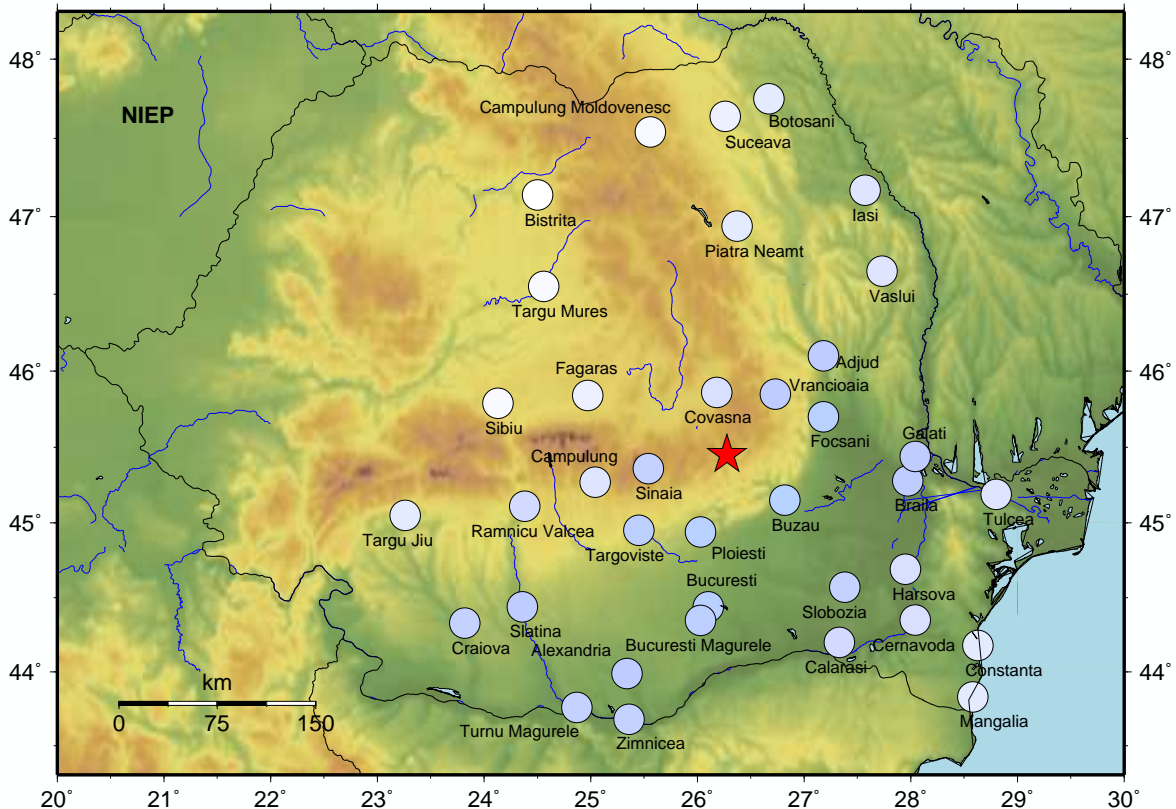
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Fault lines



Estimated intensities based on IPE::VS04_msk attenuation law

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City	Distance(km)
Covasna	46
Buzau	54
Vranceioaia	56
Sinaia	58
Ploiesti	60
Focsani	75
Targoviste	85
Campulung	98
Adjud	100
Fagaras	110
Bucuresti	113
Bucuresti Magurele	124
Slobozia	131
Braila	134
Galati	137
Ramnicu Valcea	153
Harsova	156
Calarasi	162
Piatra Neamt	165
Sibiu	171
Vaslui	174
Alexandria	178
Targu Mures	180
Cernavoda	185
Slatina	188
Tulcea	199
Zimnicea	209
Iasi	215
Turnu Magurele	218
Craiova	230
Bistrita	232
Constanta	233
Campulung M.	238
Targu Jiu	240
Suceava	243
Mangalia	256
Botosani	257

PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	none	none	none	Very light	Light	Moderate	Moderate/Heavy	Heavy	Very Heavy
INSTRUMENTAL INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+

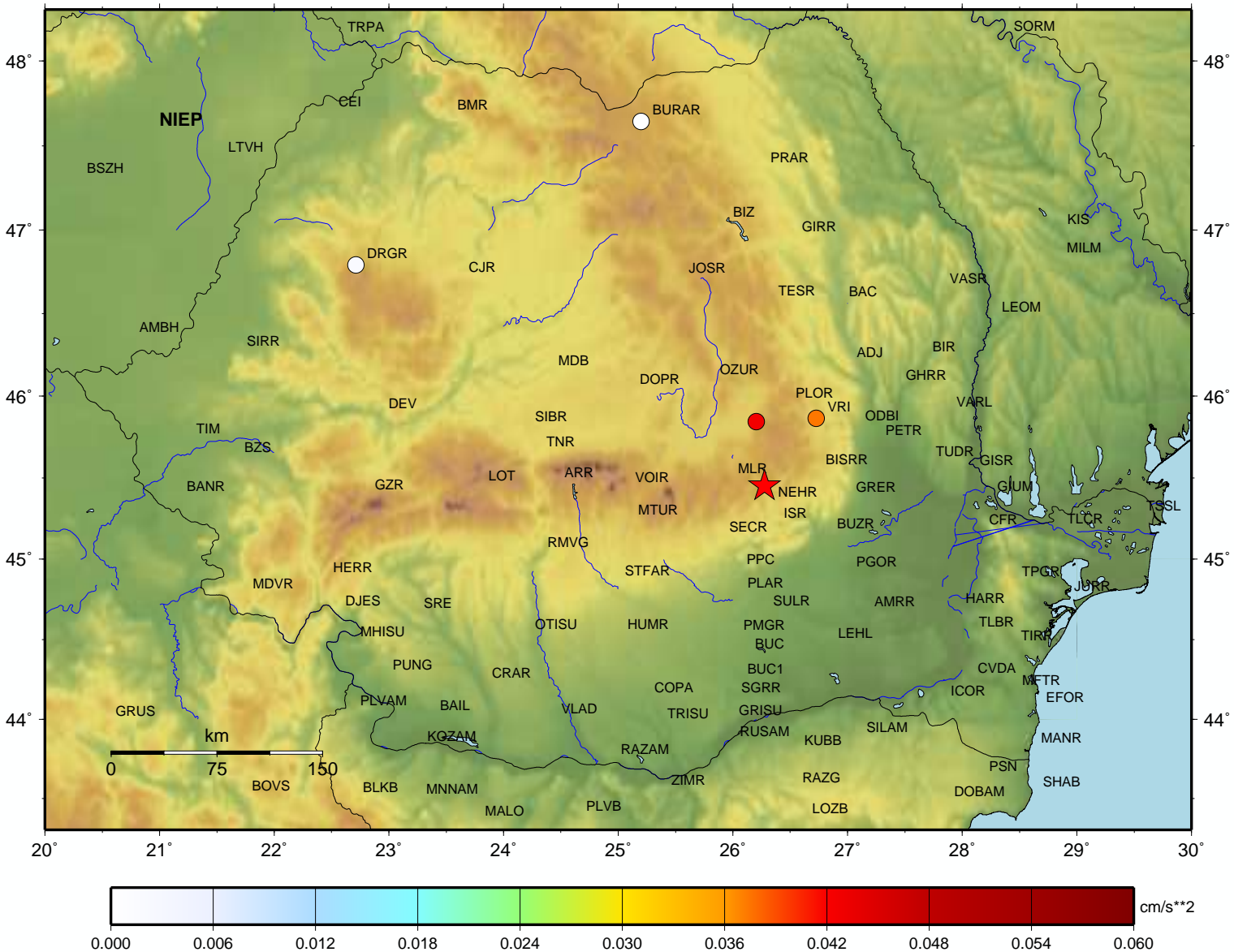
The largest accelerations recorded automatically by the seismic stations of "Instalatie de Interes National - Retea Seismica Nationala (IOSIN-RSN)"

Max. pga (cm/sec**2)		
COVR	HNN	0.04
VRI	HNE	0.04
DRGR	HNN	0.00
BURAR	BHN	0.00

Observed stations accelerations – Antelope platform (cm/sec**2)

Maximum observed acceleration: COVR_HNN -0.04

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Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: TUDR_HHE 0.01

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