



National Institute for Earth Physics - Magurele

Seismic report - manual

Event local time: Mon May 10,2021 17:13:54

Romania - Event 10141354 - Vrancea seismic zone

Mon May 10, 2021 14:13:54 GMT ML 3.5 N45.68 E26.61 Depth: 86.7km ID:10141354

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

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Attenuation laws – GMPE::VS10 IPE::VS04_msk

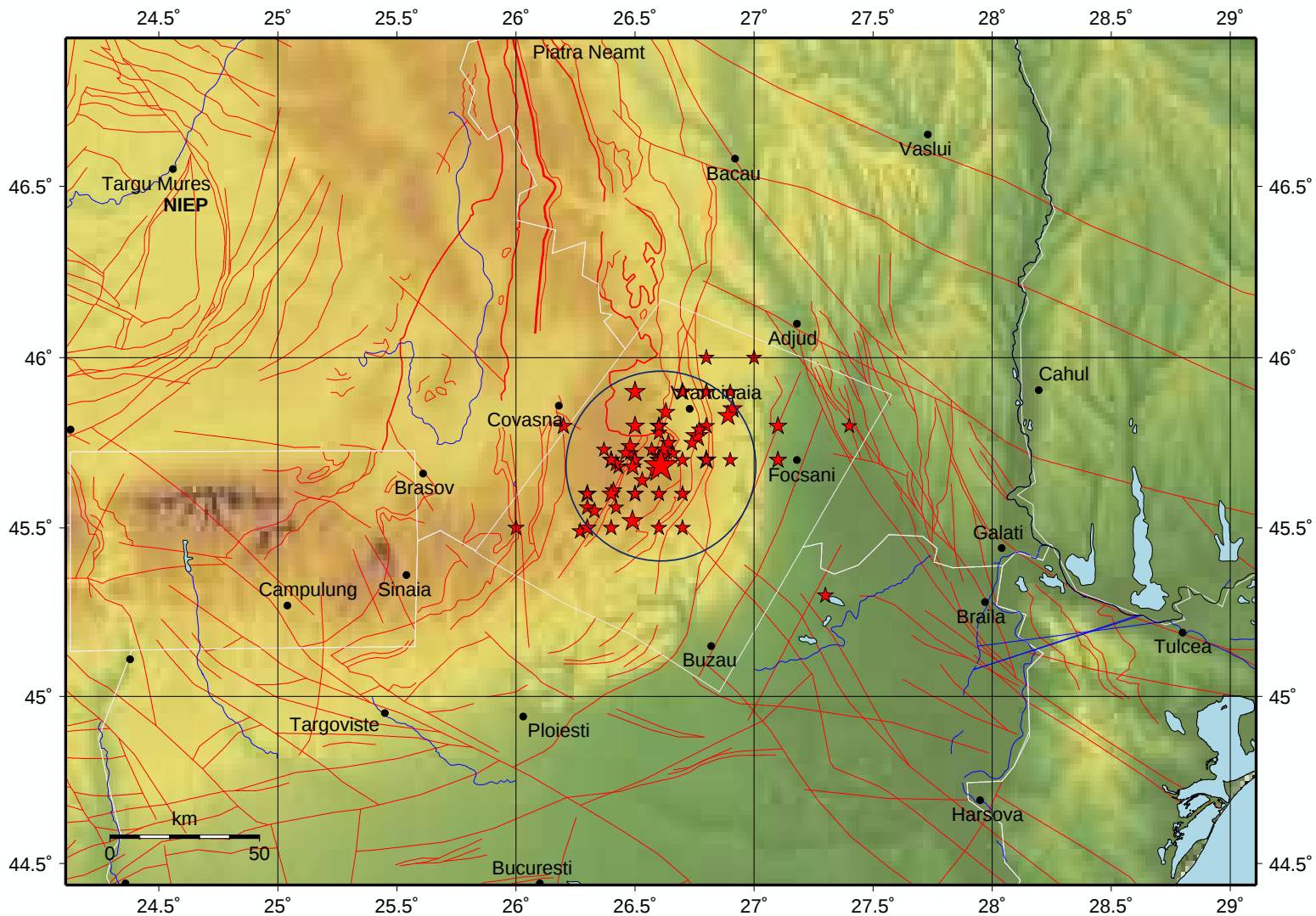
Max. grid values – pga: 1.86(cm/sec**) pgv: 0.00(cm/sec) mi: 2.2

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Local time

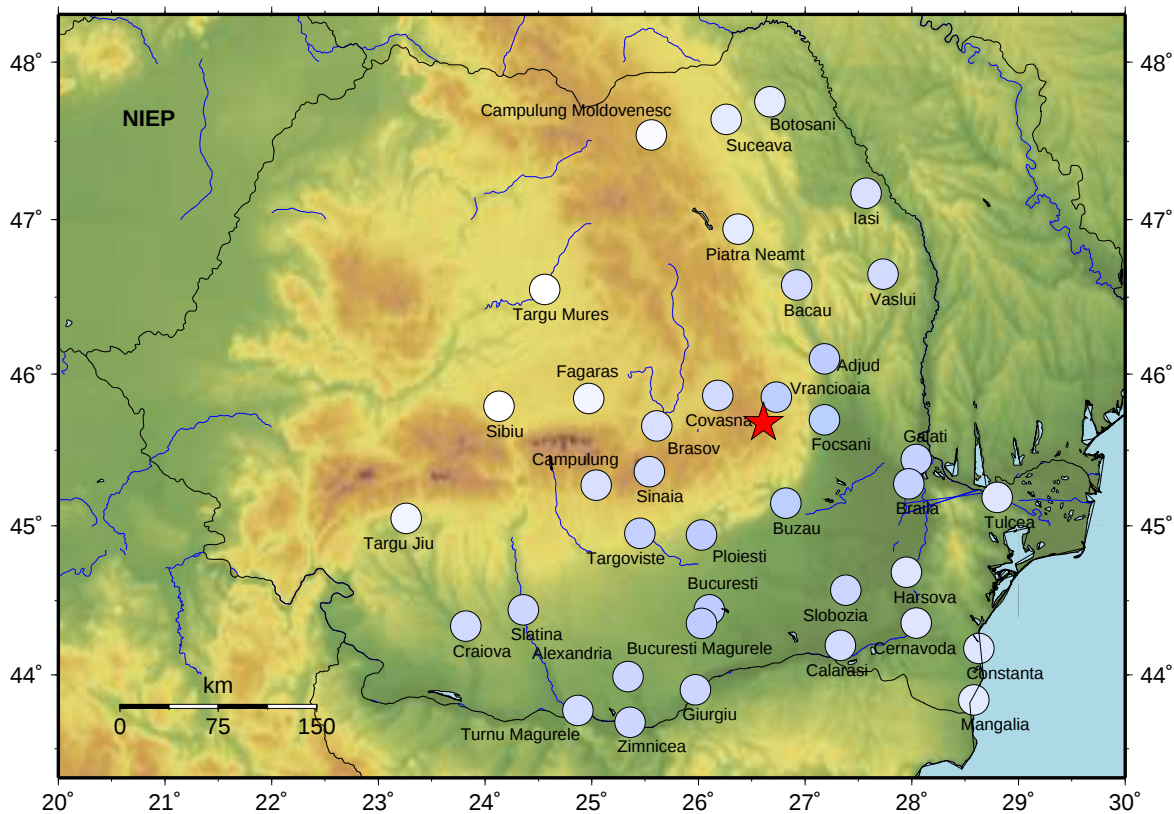
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Fault lines



Estimated intensities based on IPE::VS04_msk attenuation law

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City	Distance(km)
Vrancea	20
Covasna	38
Focsani	44
Buzau	61
Adjud	64
Brasov	77
Sinaia	90
Ploiesti	94
Bacau	102
Galati	114
Braila	115
Targoviste	121
Fagaras	128
Campulung	130
Slobozia	137
Vaslui	138
Piatra Neamt	141
Bucuresti	143
Harsova	152
Bucuresti Magurele	155
Calarasi	174
Tulcea	179
Iasi	181
Targu Mures	185
Cernavoda	186
Sibiu	193
Giurgiu	204
Alexandria	213
Suceava	219
Campulung M.	221
Slatina	224
Botosani	229
Constanta	230
Zimnicea	243
Turnu Magurele	254
Mangalia	258
Craiova	266
Targu Jiu	271

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+

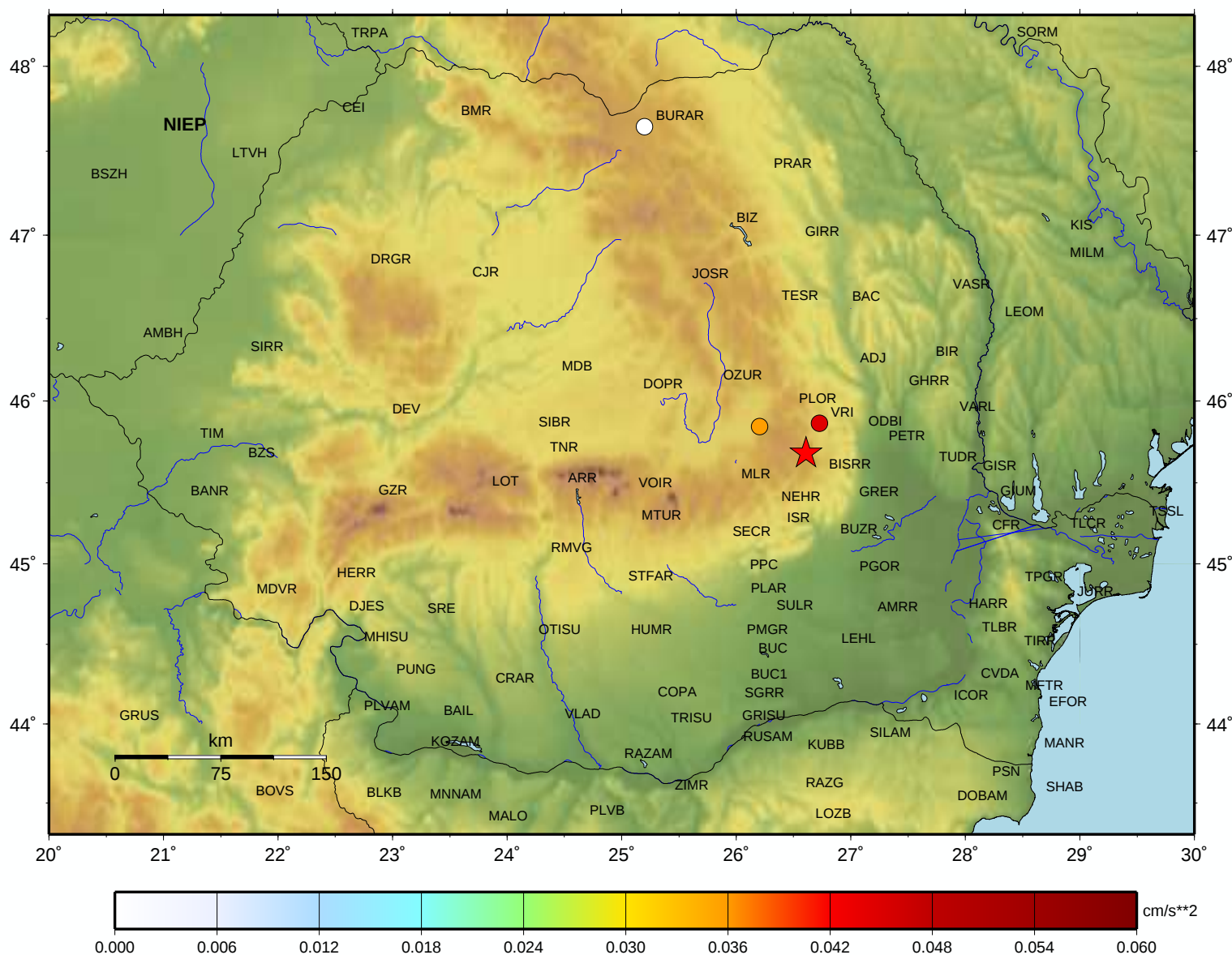
The largest accelerations recorded automatically by the seismic stations of "Instalatie de Interes National - Retea Seismica Nationala (IOSIN-RSN)"

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

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

Maximum observed acceleration: VRI_HNE -0.04

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Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: TUDR_HHE 0.01

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