



National Institute for Earth Physics - Magurele

Seismic report - manual

Event local time: Thu May 19,2022 17:43:45

Romania - Event 19144345 - Vrancea seismic zone

Thu May 19, 2022 14:43:45 GMT ML 3.2 N45.71 E26.70 Depth: 131.4km ID:19144345

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

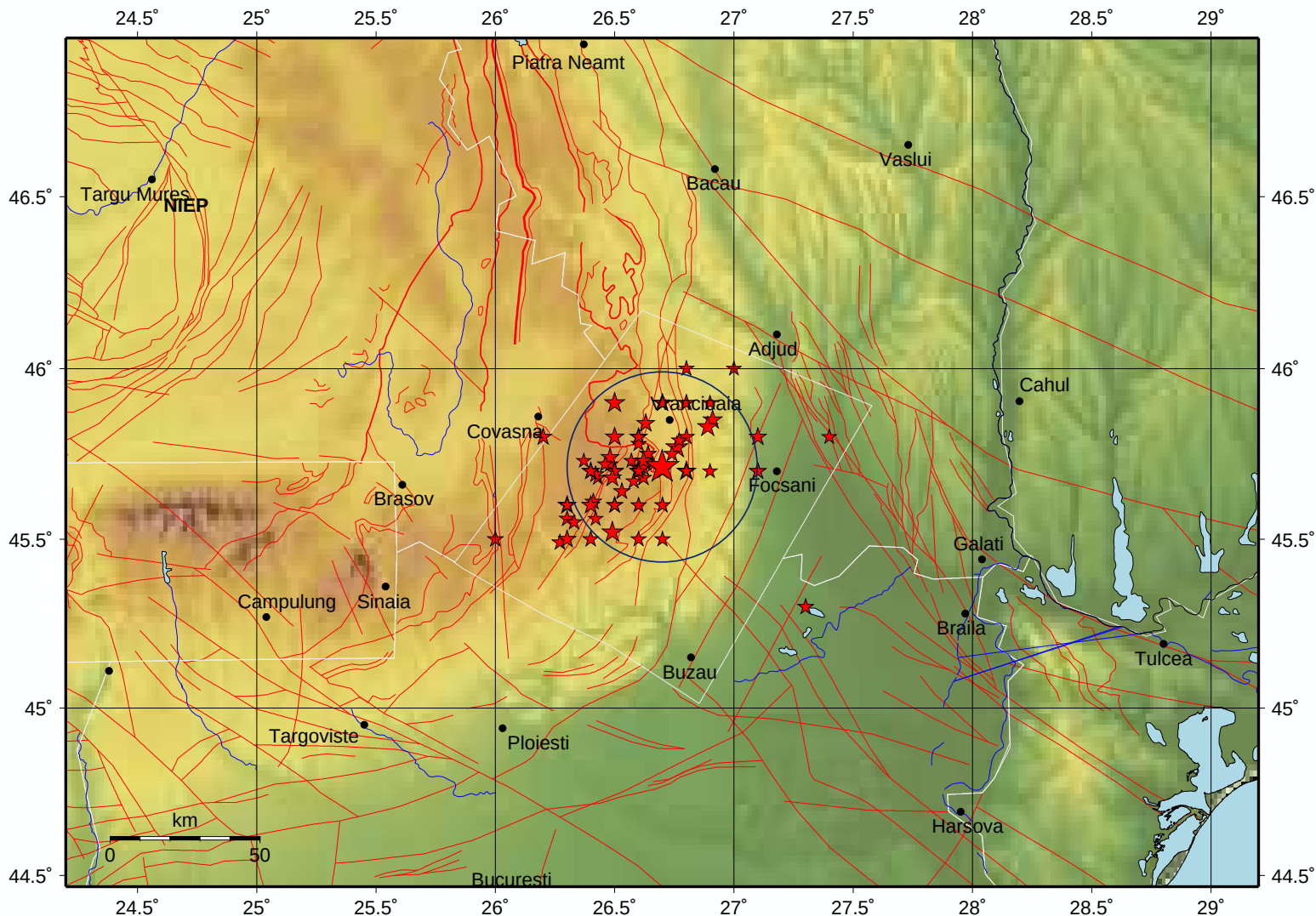
Max. grid values – pga: 0.49(cm/sec**) pgv: 0.00(cm/sec) mi: 1.8

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Local time

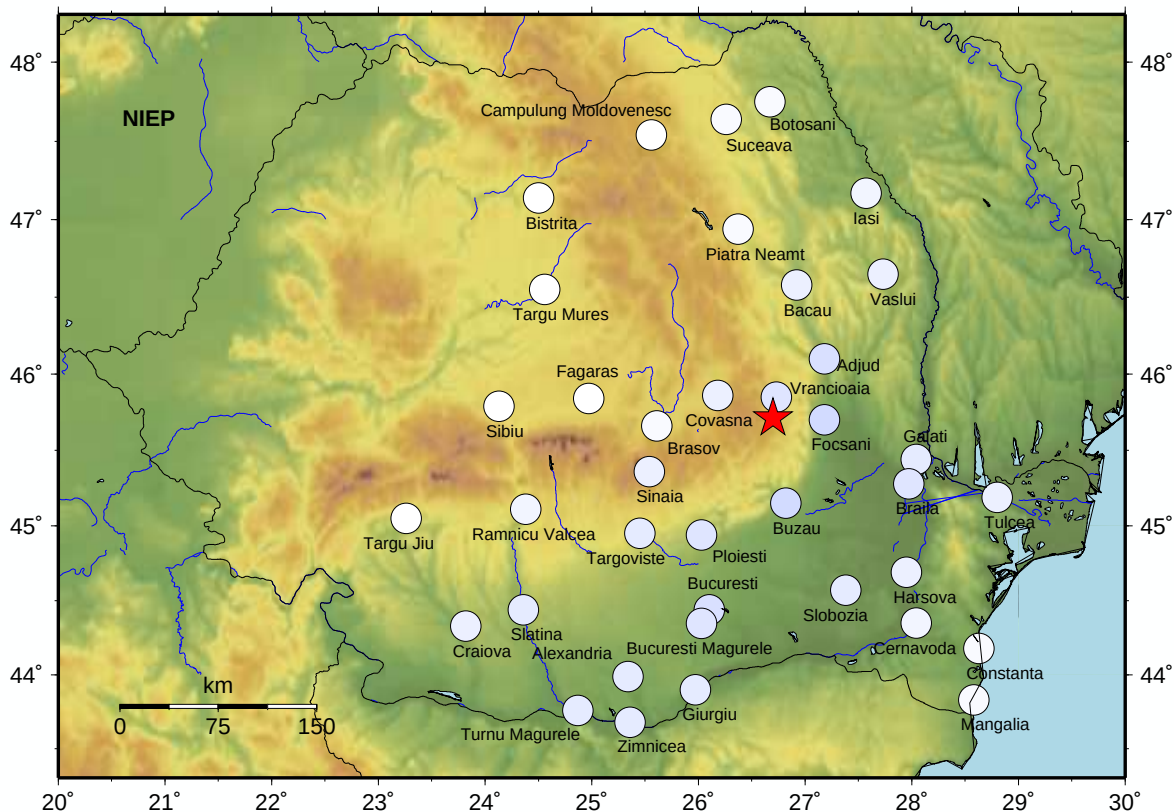
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Fault lines



Estimated intensities based on IPE::VS04_msk attenuation law

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City	Distance(km)
Vrancea	15
Focsani	37
Covasna	43
Adjud	57
Buzau	63
Brasov	85
Bacau	97
Sinaia	98
Ploiesti	100
Galati	108
Braila	110
Targoviste	129
Vaslui	131
Fagaras	135
Slobozia	137
Piatra Neamt	138
Bucuresti	149
Harsova	150
Bucuresti Magurele	160
Tulcea	174
Iasi	175
Cernavoda	184
Targu Mures	189
Ramnicu Valcea	193
Sibiu	200
Giurgiu	209
Suceava	216
Alexandria	219
Campulung M.	221
Botosani	226
Constanta	228
Bistrita	231
Slatina	232
Zimnicea	249
Mangalia	256
Turnu Magurele	260
Craiova	274
Targu Jiu	279

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+

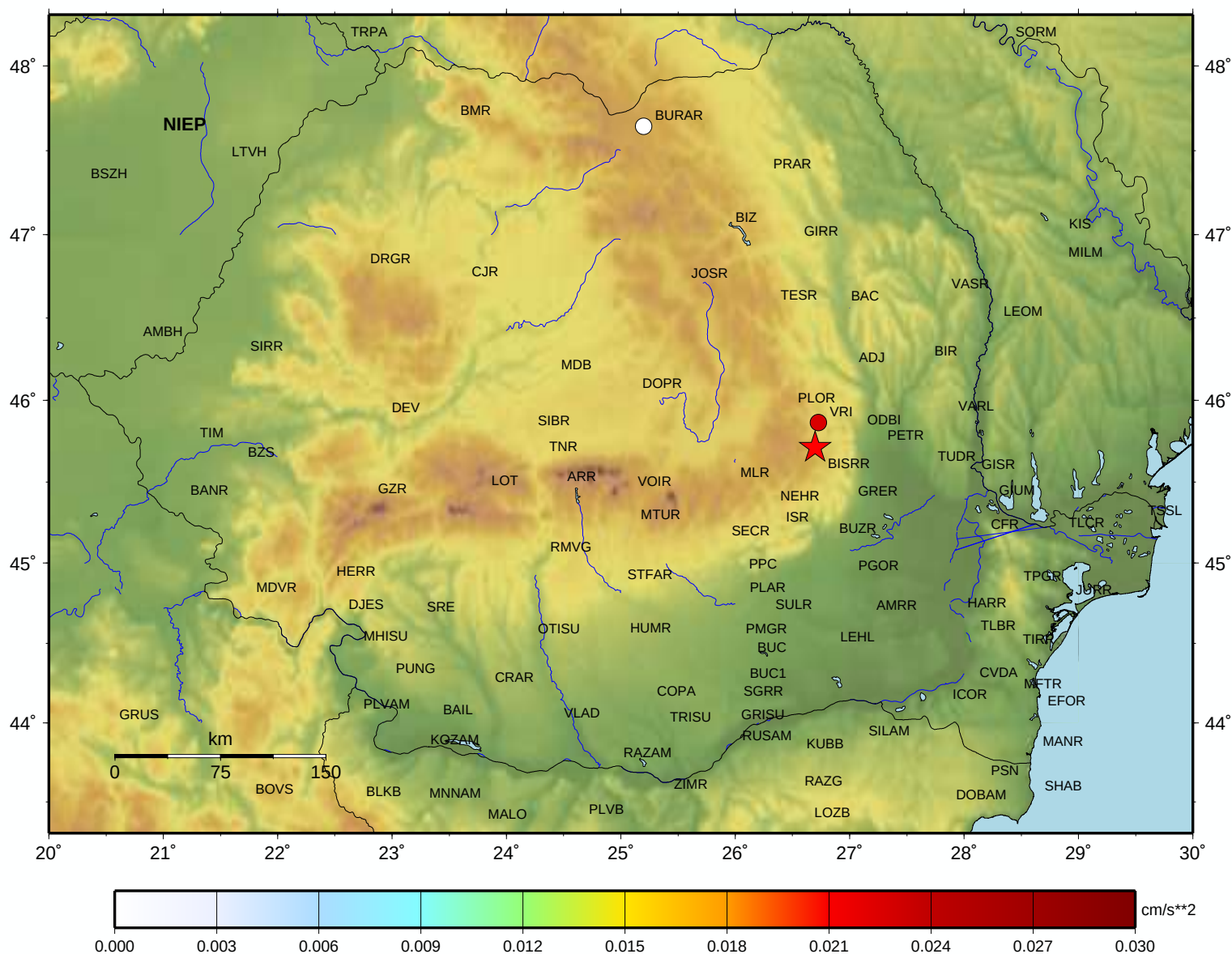
The largest accelerations recorded automatically by the seismic stations of "Instalatie de Interes National - Retea Seismica Nationala (IOSIN-RSN)"

Max. pga(cm/sec**2)		
VRI	HNE	0.02
BURAR	BHN	0.00

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

Maximum observed acceleration: VRI_HNE -0.02

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Maximum observed velocity: PANC_HHN 0.00
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