



National Institute for Earth Physics - Magurele

Seismic report - manual

Event local time: Sat Jan 18,2025 16:36:03

Romania - Event 18143603 - Vrancea seismic zone

Sat Jan 18, 2025 14:36:03 GMT ML 3.9 N45.43 E26.24 Depth: 126.8km ID:18143603

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
03-Nov-2022	04:50:25	26.53	45.49	149.0	4.9
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	26.50	45.67	135.1	5.2
01-May-2011	02:24:15	26.40	45.58	146.1	4.9
25-Apr-2009	17:18:48	26.60	45.68	109.6	5.4
13-Dec-2005	12:14:45	26.70	45.68	136.8	4.9
18-Jun-2005	15:16:41	26.60	45.72	153.7	5.2
14-May-2005	01:53:21	26.50	45.64	148.5	5.5

Source: ROMPLUS Catalogue

Romania – Event 18143603 – Vrancea seismic zone

Attenuation laws – GMPE::VS10 IPE::VS04_msk

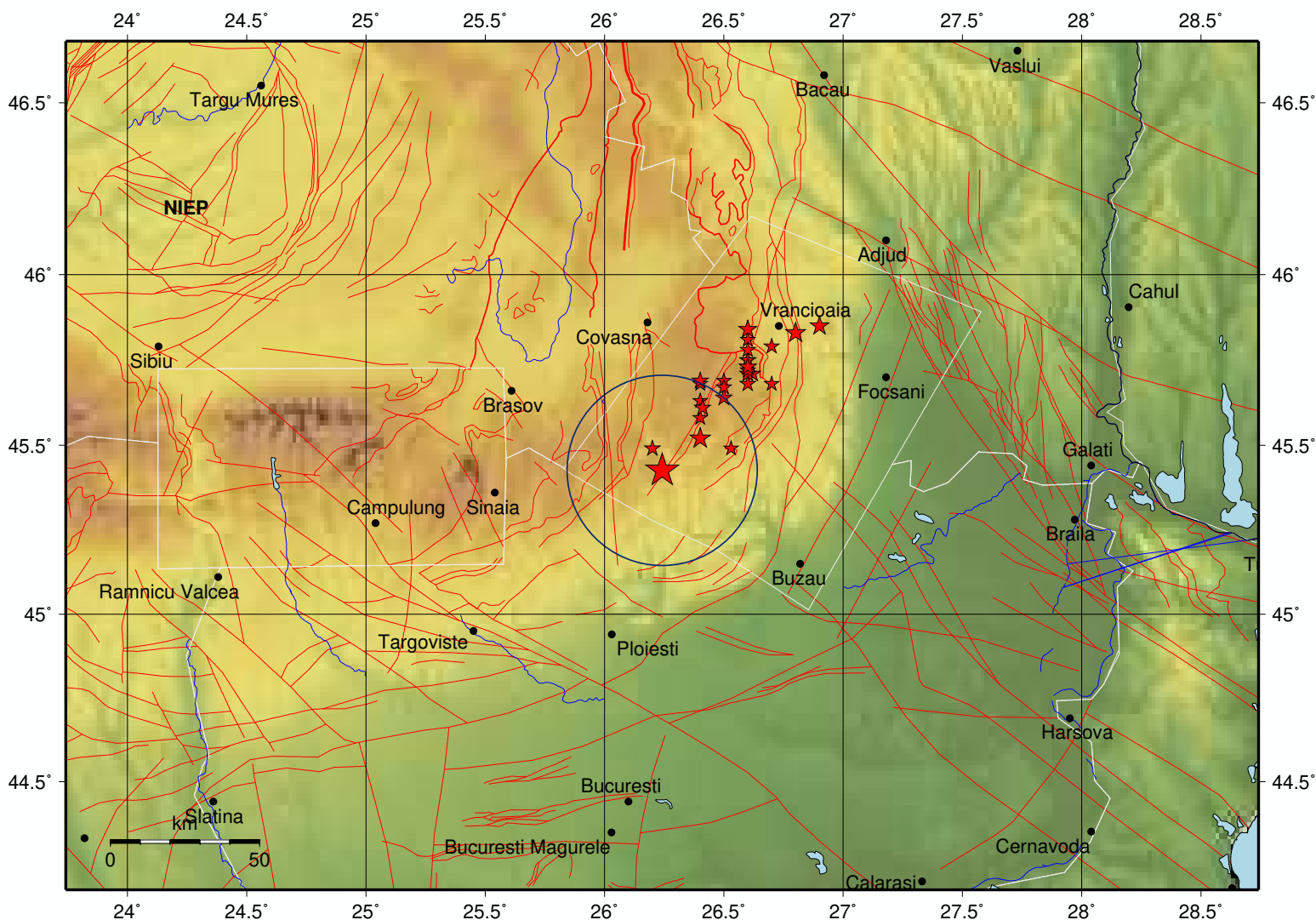
Max. grid values – pga: 0.29(cm/sec**) pgv: 0.01(cm/sec) mi: 2.4

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Local time

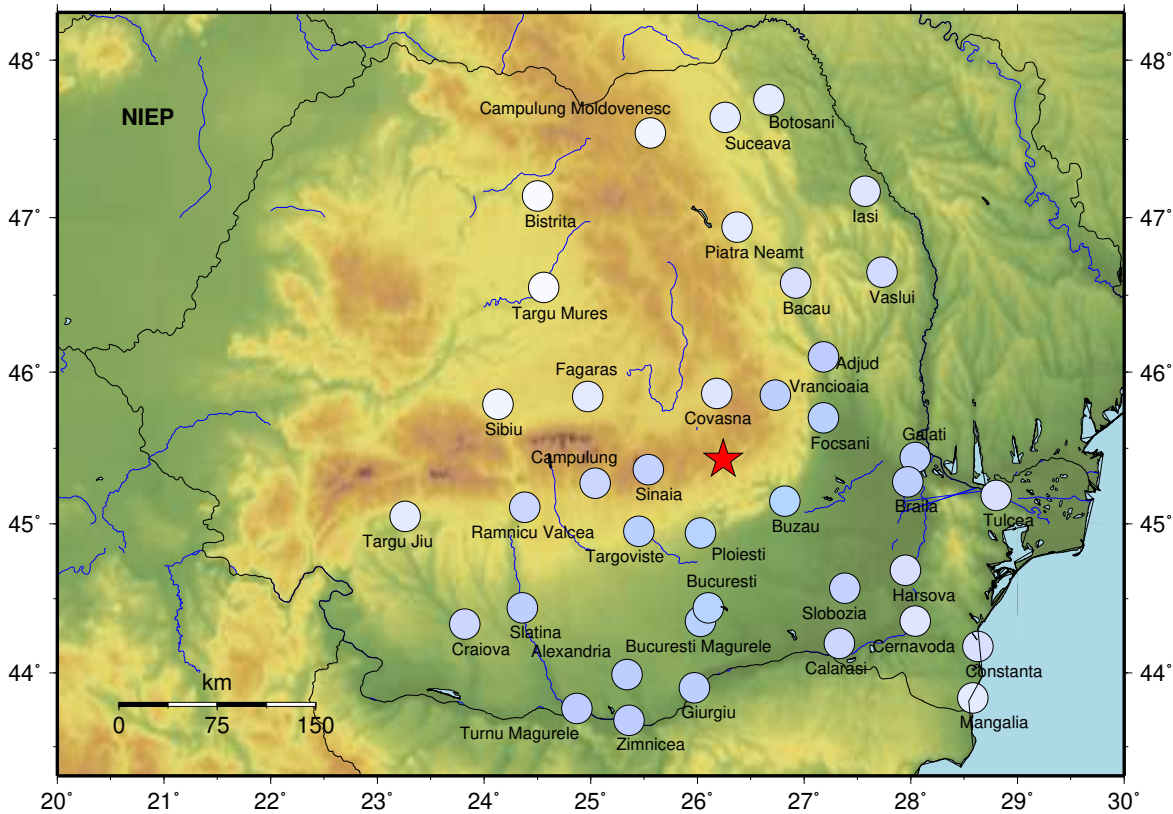
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Fault lines



Estimated intensities based on IPE::VS04_msk attenuation law

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City	Distance(km)
Covasna	48
Buzau	54
Sinaia	55
Ploiesti	56
Vrancea	60
Focsani	79
Targoviste	81
Campulung	95
Adjud	104
Fagaras	109
Bucuresti	110
Bucuresti Magurele	121
Slobozia	130
Braila	136
Bacau	138
Galati	140
Ramnicu Valcea	150
Harsova	157
Calarasi	161
Piatra Neamt	168
Sibiu	169
Giurgiu	170
Alexandria	174
Vaslui	178
Targu Mures	180
Slatina	184
Cernavoda	185
Tulcea	202
Zimnicea	206
Turnu Magurele	214
Iasi	219
Craiova	226
Bistrita	233
Constanta	234
Targu Jiu	237
Campulung M.	240
Suceava	246
Mangalia	256
Botosani	260

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+

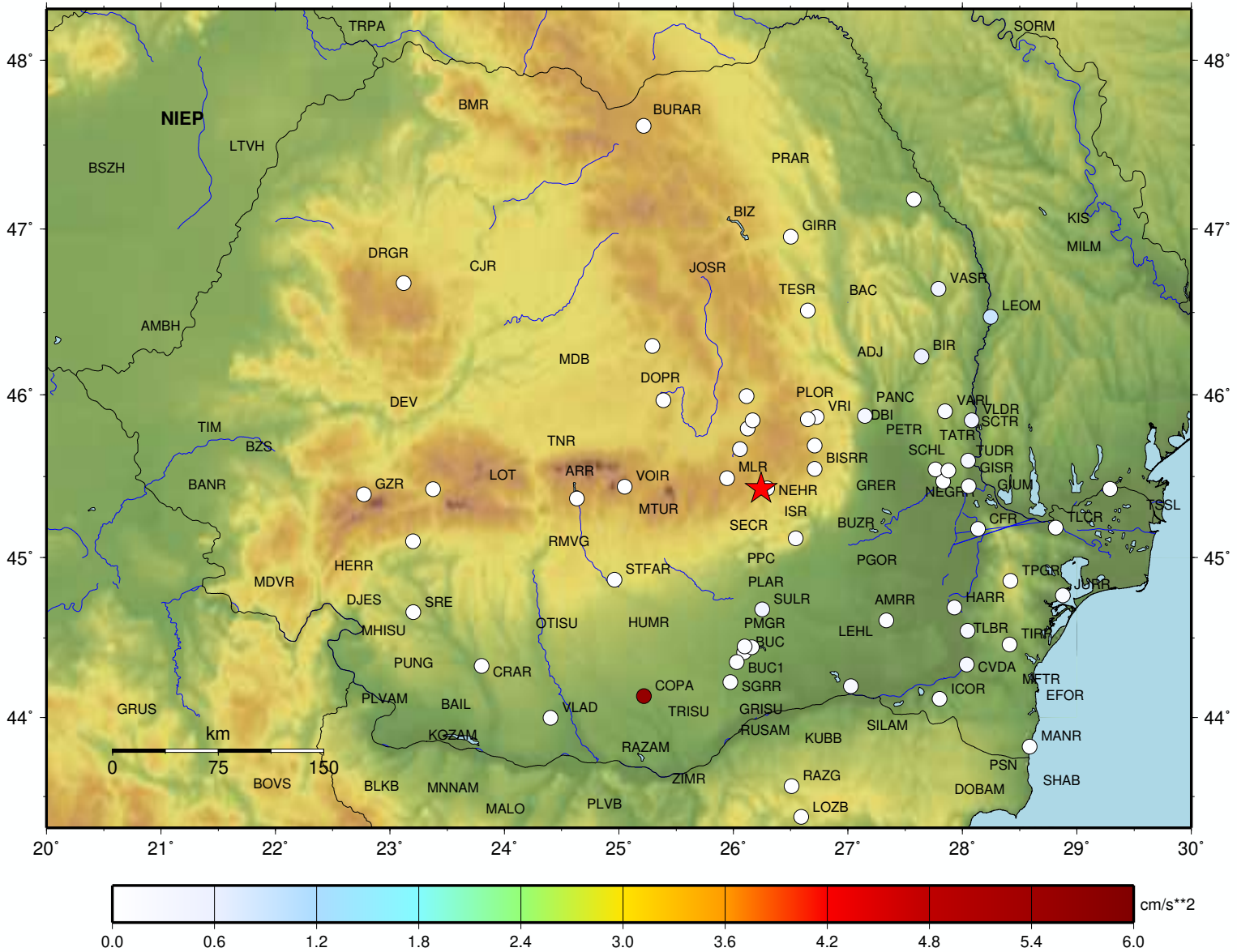
The largest accelerations recorded automatically by the seismic stations of "Instalatie de Interes National- Retea Seismica Nationala (IOSIN-RSN)"

Max. pga (cm/sec**2)

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

Maximum observed acceleration: COPA_HNE -5.60

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

Max. p_{gv} (cm/sec)

Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: COPA_HHN 0.18

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