



National Institute for Earth Physics - Magurele

Seismic report - manual

Event local time: Wed Oct 22,2025 10:23:26

Romania - Event 22072326 - Vrancea seismic zone

Wed Oct 22, 2025 07:23:26 GMT ML 4.2 N45.84 E26.70 Depth: 90.1km ID:22072326

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

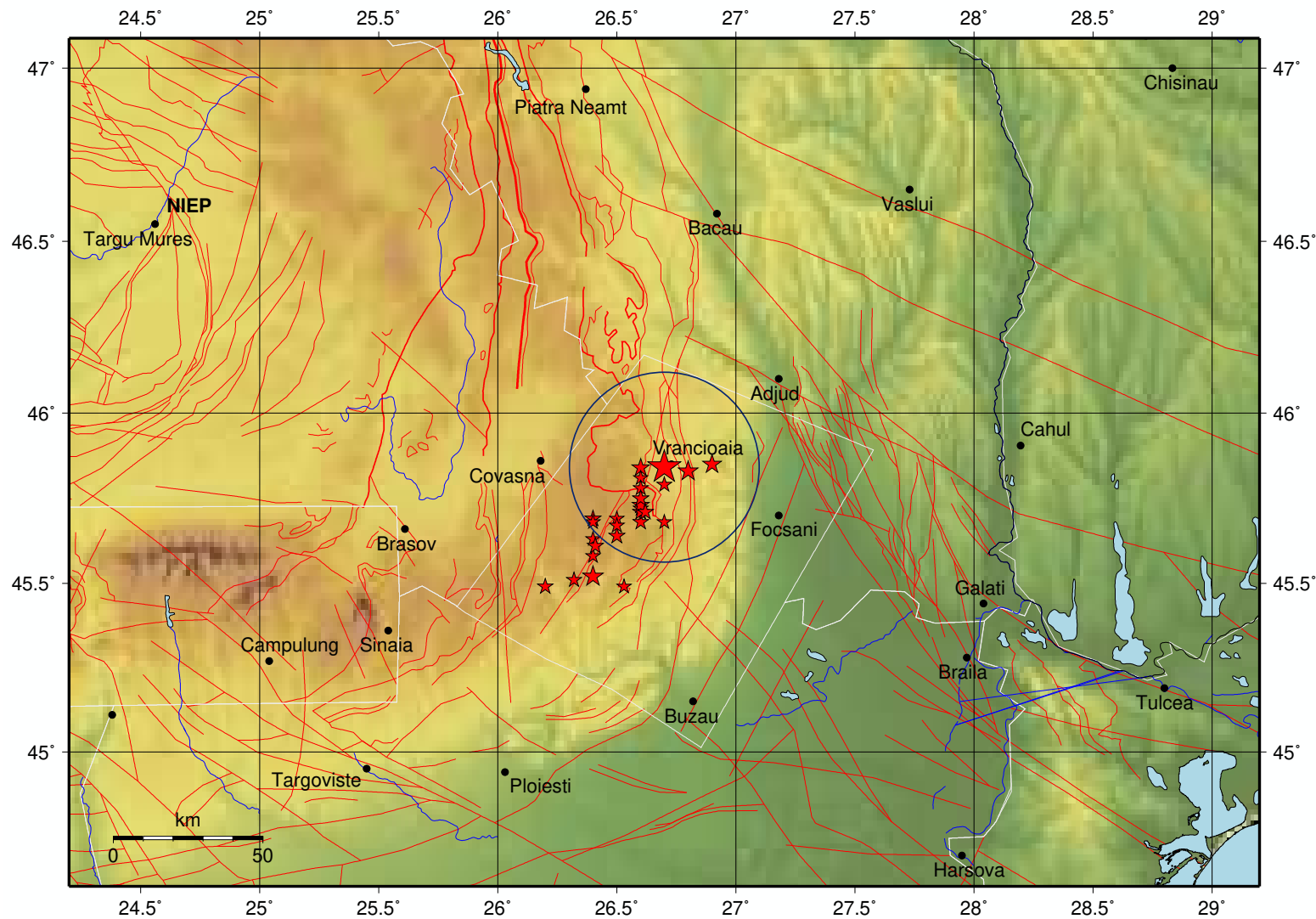
Date	Time	Lon	Lat	Depth	Mw
16-Sep-2024	14:40:22	26.32	45.51	128.4	5.1
03-Nov-2022	04:50:25	26.53	45.49	149.0	4.9
28-Oct-2018	00:38:11	26.41	45.61	147.8	5.5
27-Dec-2016	23:20:55	26.60	45.71	96.9	5.6
23-Sep-2016	23:11:20	26.62	45.71	92.0	5.5
06-Oct-2013	01:37:21	26.50	45.67	135.1	5.2
01-May-2011	02:24:15	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

Source: ROMPLUS Catalogue

Romania – Event 22072326 – Vrancea seismic zone

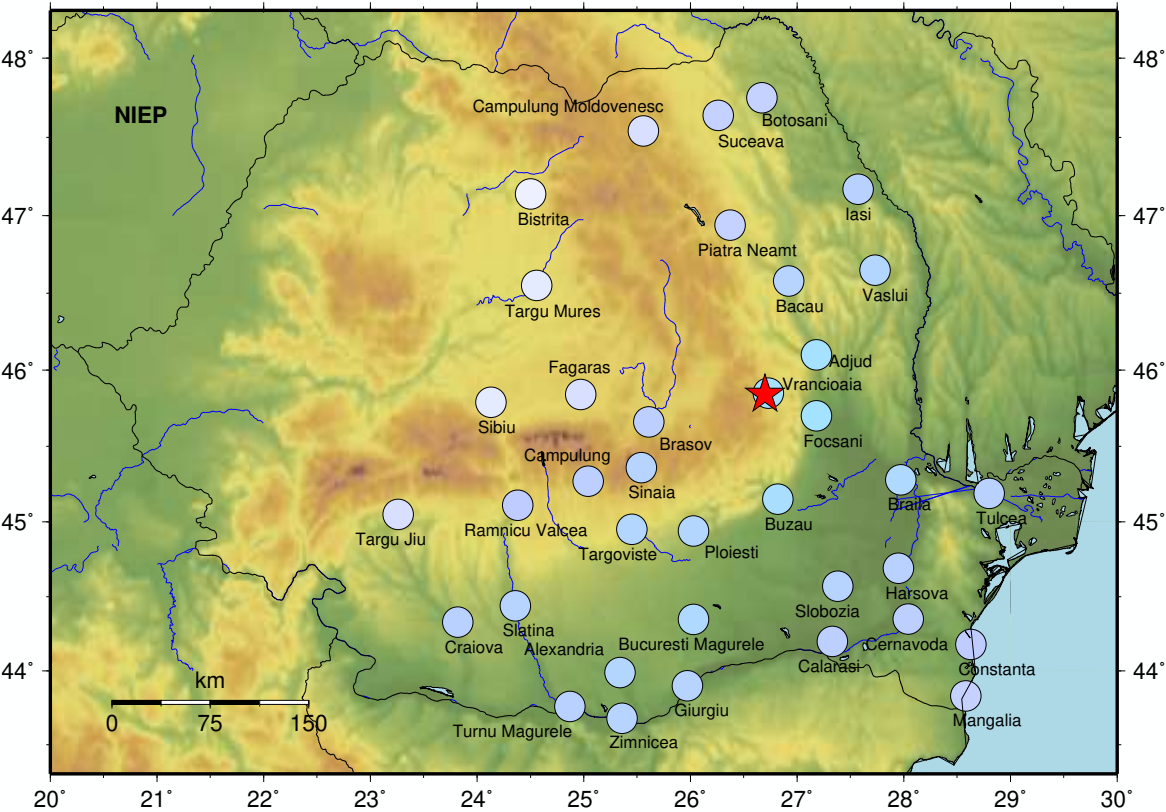
Attenuation laws – GMPE::VS10 IPE::VS04_msk
Max. grid values – pga: 1.77(cm/sec**) pgv: 0.05(cm/sec) mi: 2.9
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Local time
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Fault lines



Estimated intensities based on IPE::VS04_msk attenuation law

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City	Distance(km)
Vrancea	2
Focsani	40
Adjud	47
Buzau	77
Bacau	83
Brasov	87
Sinaia	105
Ploiesti	113
Braila	117
Vaslui	119
Piatra Neamt	124
Fagaras	134
Targoviste	139
Campulung	144
Slobozia	151
Harsova	161
Iasi	162
Bucuresti Magurele	174
Tulcea	179
Targu Mures	182
Calarasi	189
Cernavoda	196
Ramnicu Valcea	198
Sibiu	199
Suceava	202
Campulung M.	207
Botosani	212
Bistrita	222
Giurgiu	223
Alexandria	232
Constanta	239
Slatina	241
Zimnicea	262
Mangalia	268
Turnu Magurele	272
Craiova	282
Targu Jiu	283

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+

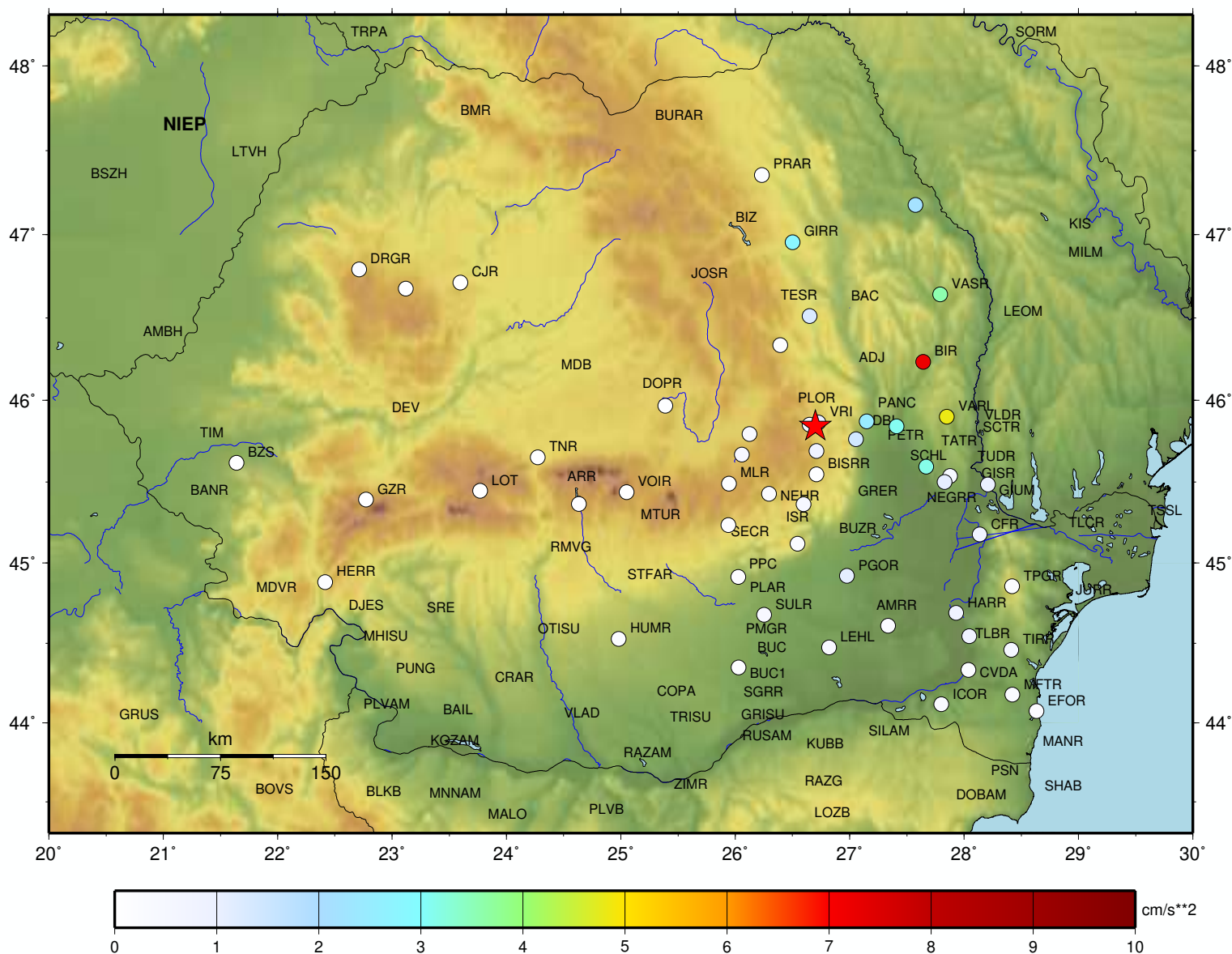
The largest accelerations recorded automatically by the seismic stations of "Instalatie de Interes National- Retea Seismica Nationala (IOSIN-RSN)"

Max. pga (cm/sec**2)

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

Maximum observed acceleration: BIR_HNN 7.20

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

Max. pgv (cm/sec)

Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: BIR_HHN 0.17

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