



National Institute for Earth Physics - Magurele

Seismic report - manual

Event local time: Sun Mar 16,2025 04:32:07

Romania - Event 16023207 - Moldova seismic zone

Sun Mar 16, 2025 02:32:07 GMT ML 3.1 N45.67 E27.51 Depth: 18.9km ID:16023207

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 crustal earthquakes

Date	Time	Lon	Lat	Depth	Mw
24-Apr-2020	22:04:18	27.47	45.89	22.6	4.6
22-Nov-2014	19:14:17	27.15	45.87	40.9	5.4
02-Mar-2013	03:38:16	29.50	45.03	5.1	4.1
03-Oct-2004	09:02:04	28.90	45.21	3.7	4.7
02-Dec-1991	08:49:41	21.10	45.45	9.0	5.5
18-Jul-1991	11:56:31	22.30	44.90	12.0	5.6
12-Jul-1991	10:42:21	21.00	45.38	11.0	5.6
01-Apr-1988	07:15:44	27.70	47.90	17.0	4.2
19-Jul-1987	02:18:56	27.70	45.55	15.0	4.4
13-Nov-1981	09:07:08	29.00	45.17	15.0	5.1

Source: ROMPLUS Catalogue

Romania – Event 16023207 – Moldova seismic zone

Attenuation laws – GMPE::BJF97 IPE::TA09_mmi

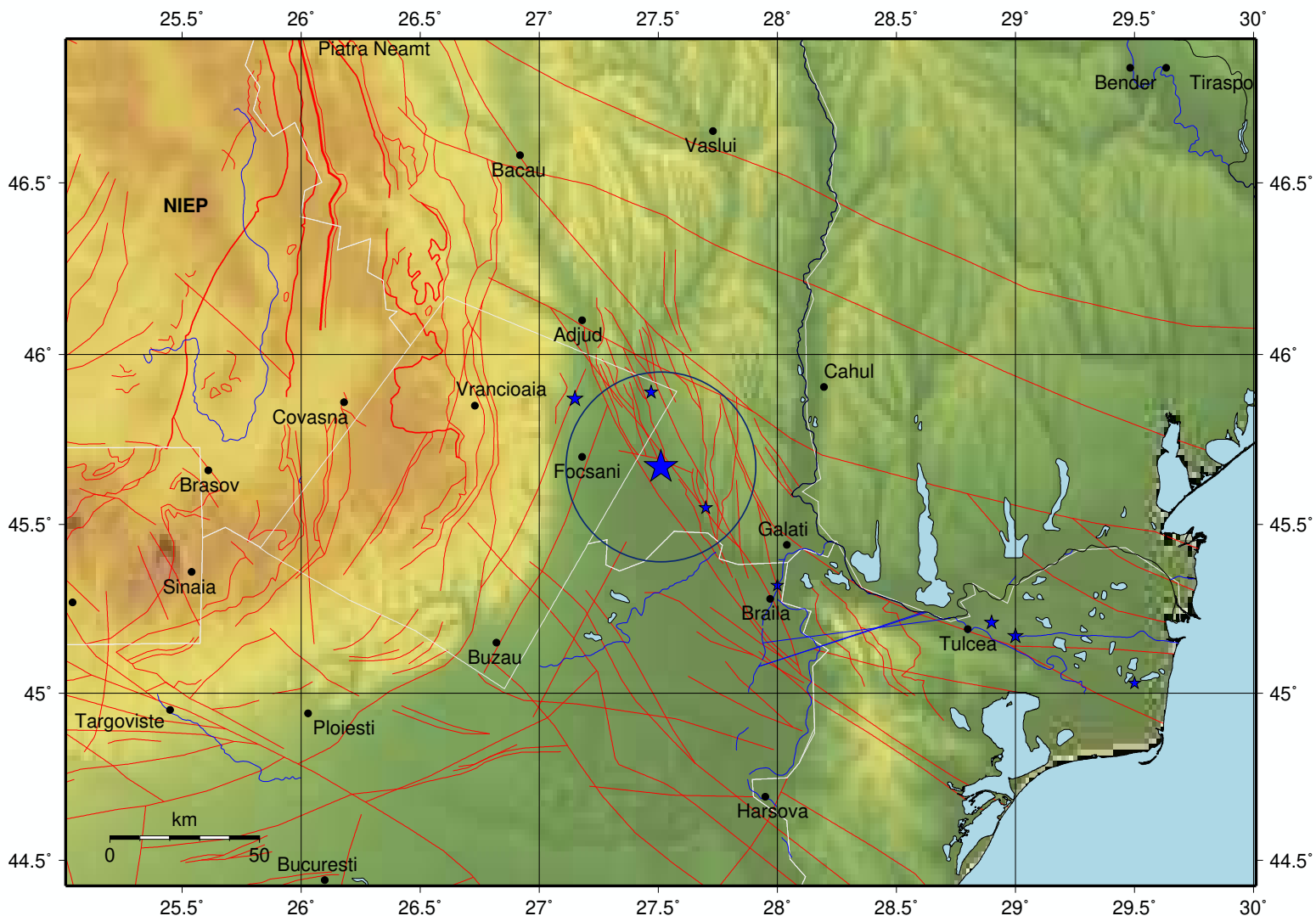
Max. grid values – pga: 38.65(cm/sec**) pgv: 0.07(cm/sec) mi: 4.2

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Local time

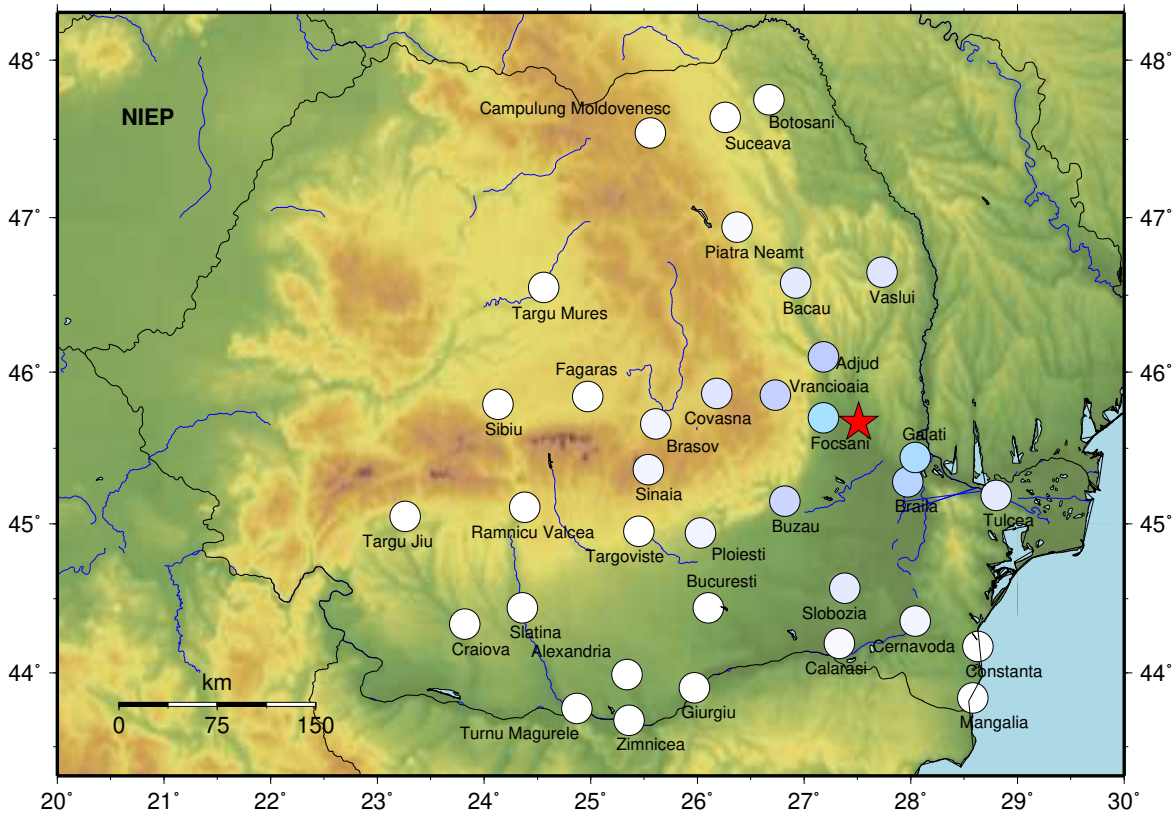
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Fault lines 



Estimated intensities based on IPE::TA09_mmi attenuation law

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City	Distance(km)
Focsani	26
Galati	48
Adjud	54
Braila	56
Vrancea	64
Buzau	79
Covasna	105
Vaslui	110
Bacau	111
Tulcea	114
Slobozia	122
Ploiesti	141
Brasov	148
Cernavoda	152
Sinaia	157
Calarasi	163
Piatra Neamt	166
Bucuresti	176
Targoviste	180
Constanta	187
Fagaras	198
Mangalia	221
Giurgiu	231
Suceava	239
Botosani	240
Targu Mures	248
Ramnicu Valcea	252
Alexandria	253
Campulung M.	256
Sibiu	263
Zimnicea	279
Slatina	283
Turnu Magurele	298
Craiova	326
Targu Jiu	340

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+

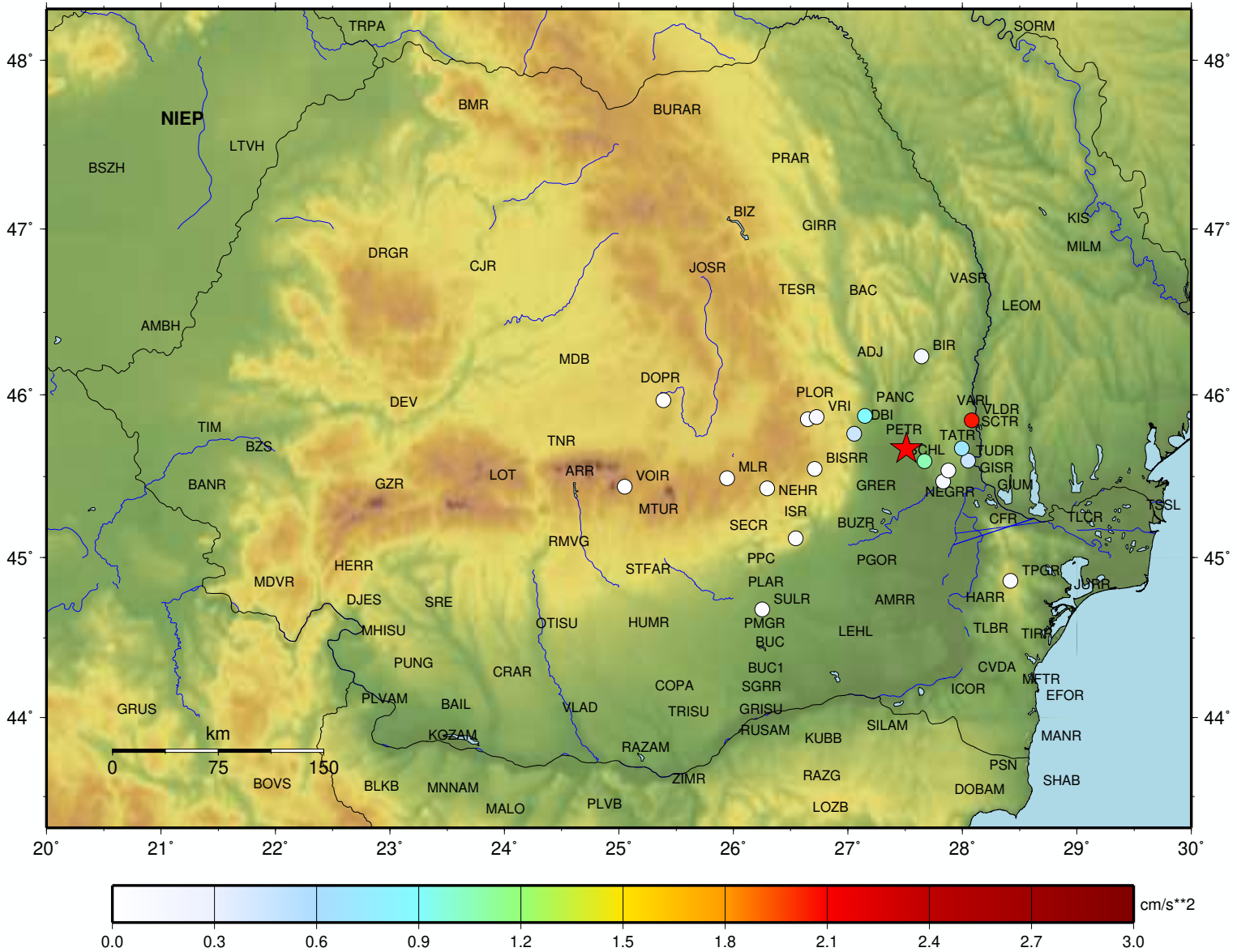
The largest accelerations recorded automatically by the seismic stations of "Instalatie de Interes National- Retea Seismica Nationala (IOSIN-RSN)"

Max. pga (cm/sec**2)

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

Maximum observed acceleration: VLDR_HNE -2.05

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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: VLDR_HHN 0.04

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