



National Institute for Earth Physics - Magurele

Seismic report - manual

Event local time: Mon Feb 06,2023 03:26:20

Romania - Event 96012620 - Vrancea seismic zone

Mon Feb 6, 2023 01:26:20 GMT ML 4.5 N45.34 E26.79 Depth: 19.6km ID:96012620

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
03-Oct-2004	09:02:04	28.92	45.21	3.7	4.7
02-Dec-1991	08:49:41	21.12	45.45	9.0	5.5
18-Jul-1991	11:56:31	22.35	44.90	12.0	5.6
12-Jul-1991	10:42:21	21.05	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	27.79	45.55	15.0	4.4
13-Nov-1981	09:07:08	29.00	45.17	15.0	5.1
11-Sep-1980	23:24:25	28.03	45.32	20.4	4.2

Source: ROMPLUS Catalogue

Romania – Event 96012620 – Vrancea seismic zone

Attenuation laws – GMPE::BJF97 IPE::TA09_mmi

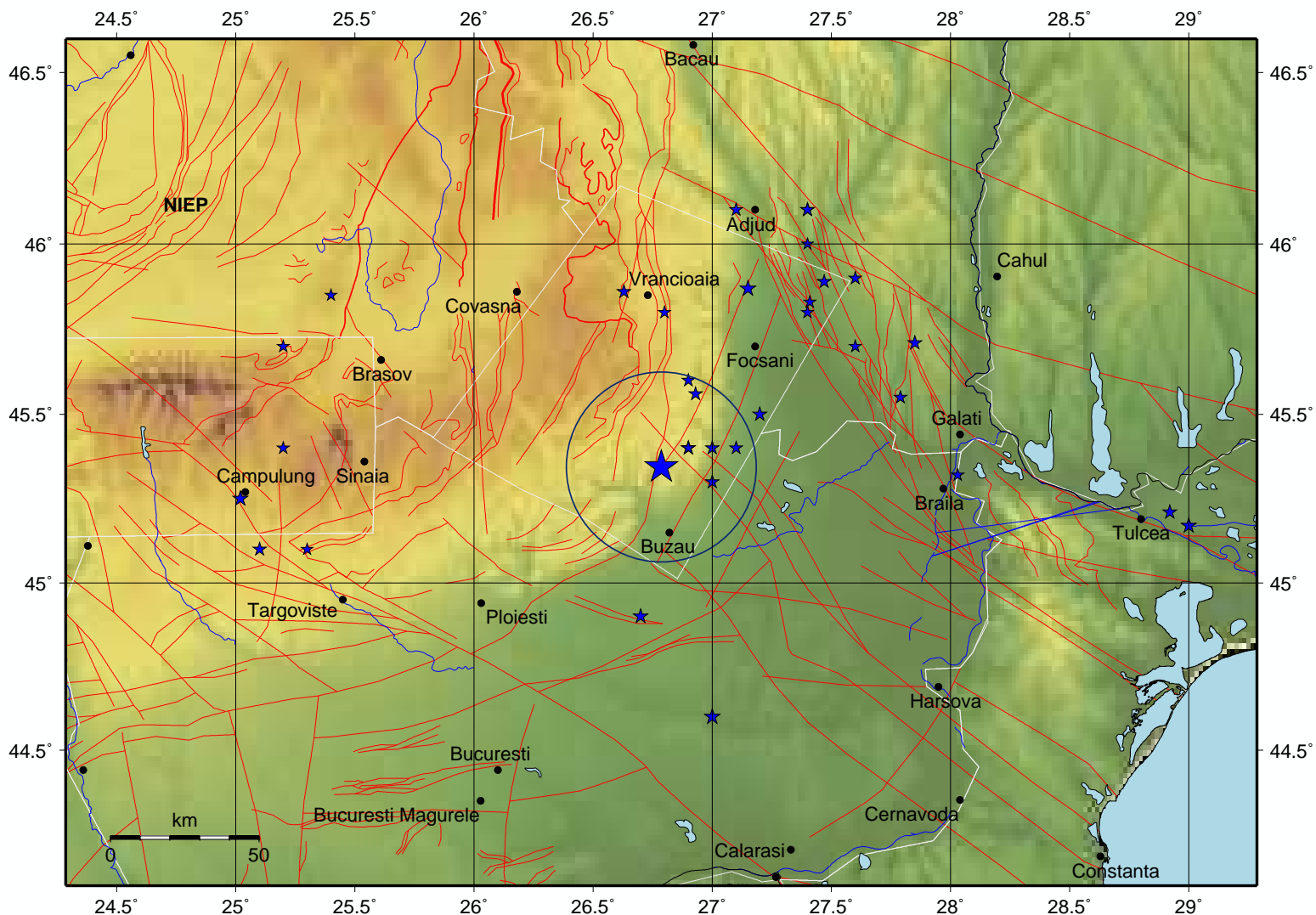
Max. grid values – pga: 70.83(cm/sec**) pgv: 4.28(cm/sec) mi: 4.3

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Local time

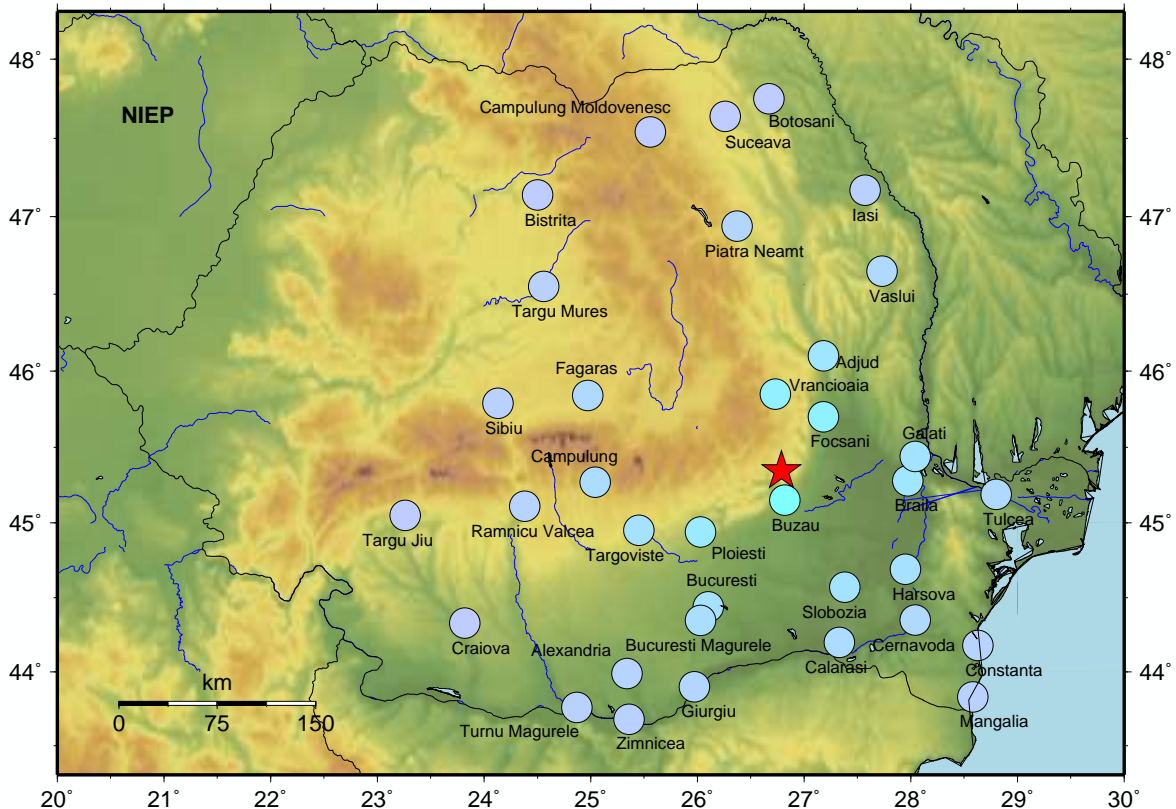
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Fault lines ———



Estimated intensities based on IPE::TA09_mmi attenuation law

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City	Distance(km)
Buzau	21
Focsani	50
Vrancea	56
Ploiesti	74
Adjud	89
Braila	93
Slobozia	97
Galati	98
Targoviste	113
Bucuresti	114
Harsova	117
Bucuresti Magurele	125
Calarasi	134
Campulung	137
Cernavoda	148
Fagaras	152
Tulcea	158
Vaslui	162
Giurgiu	173
Piatra Neamt	180
Alexandria	189
Ramnicu Valcea	190
Constanta	195
Iasi	211
Sibiu	213
Zimnicea	216
Targu Mures	218
Mangalia	220
Turnu Magurele	232
Suceava	258
Craiova	260
Campulung M.	261
Bistrita	266
Botosani	267
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+

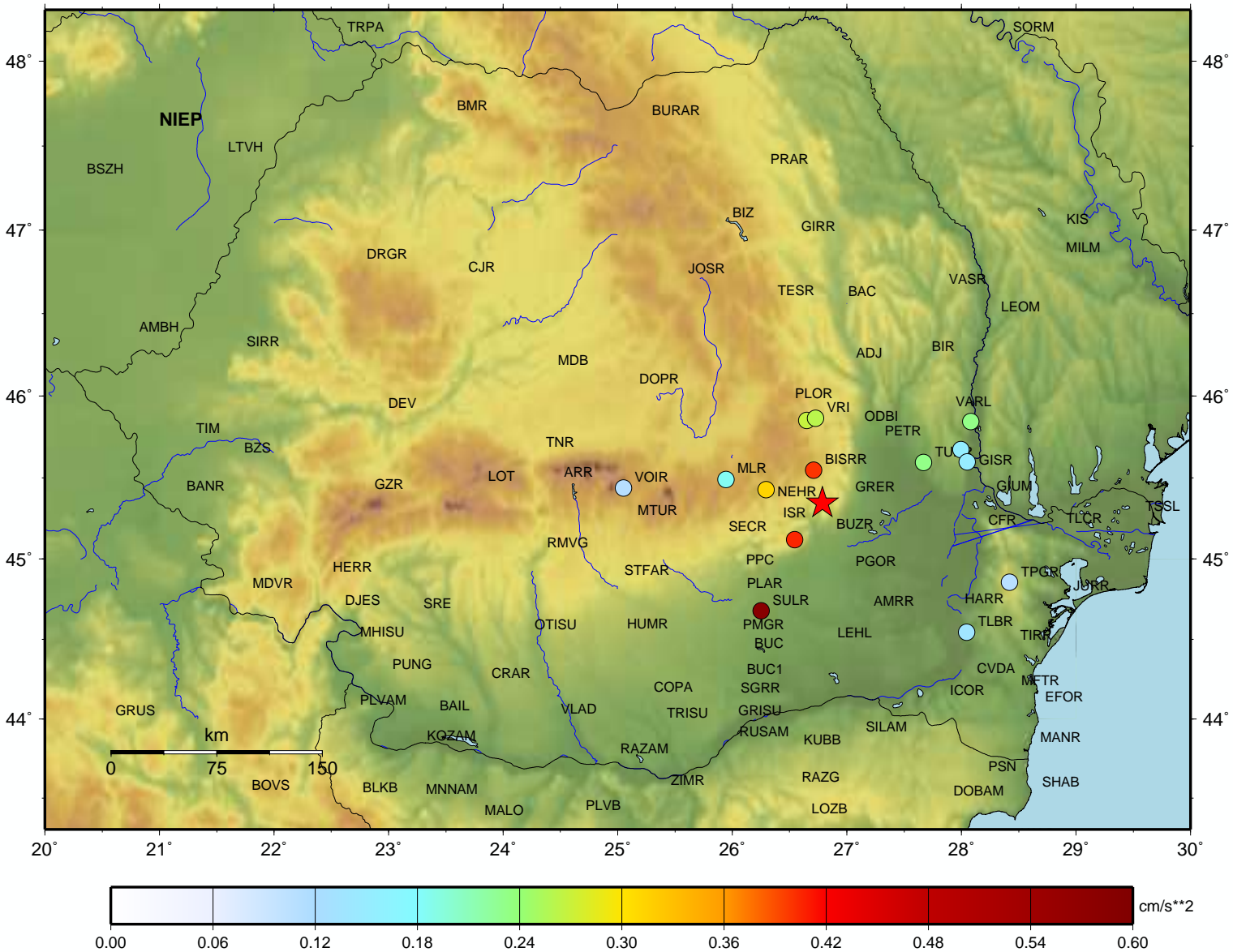
The largest accelerations recorded automatically by the seismic stations of "Instalatie de Interes National - Retea Seismica Nationala (IOSIN-RSN)"

Max. pga (cm/sec**2)		
SULR	HNE	0.58
ISR	HNE	0.41
BISRR	HNN	0.40
NEHR	HNE	0.31
PLOR	HNN	0.27

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

Maximum observed acceleration: SULR_HNE -0.58

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Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: SULR_HHE 1.07

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