



National Institute for Earth Physics - Magurele

Seismic report - manual

Event local time: Sat Dec 19,2020 12:41:01

Romania - Event 19104101 - Moldova seismic zone

Sat Dec 19, 2020 10:41:01 GMT ML 3.5 N46.79 E27.45 Depth: 6.7km ID:19104101

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
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
07-Jun-1979	21:20:36	27.41	45.83	31.6	4.1

Source: ROMPLUS Catalogue

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Attenuation laws – GMPE::BJF97 IPE::TA09_mmi

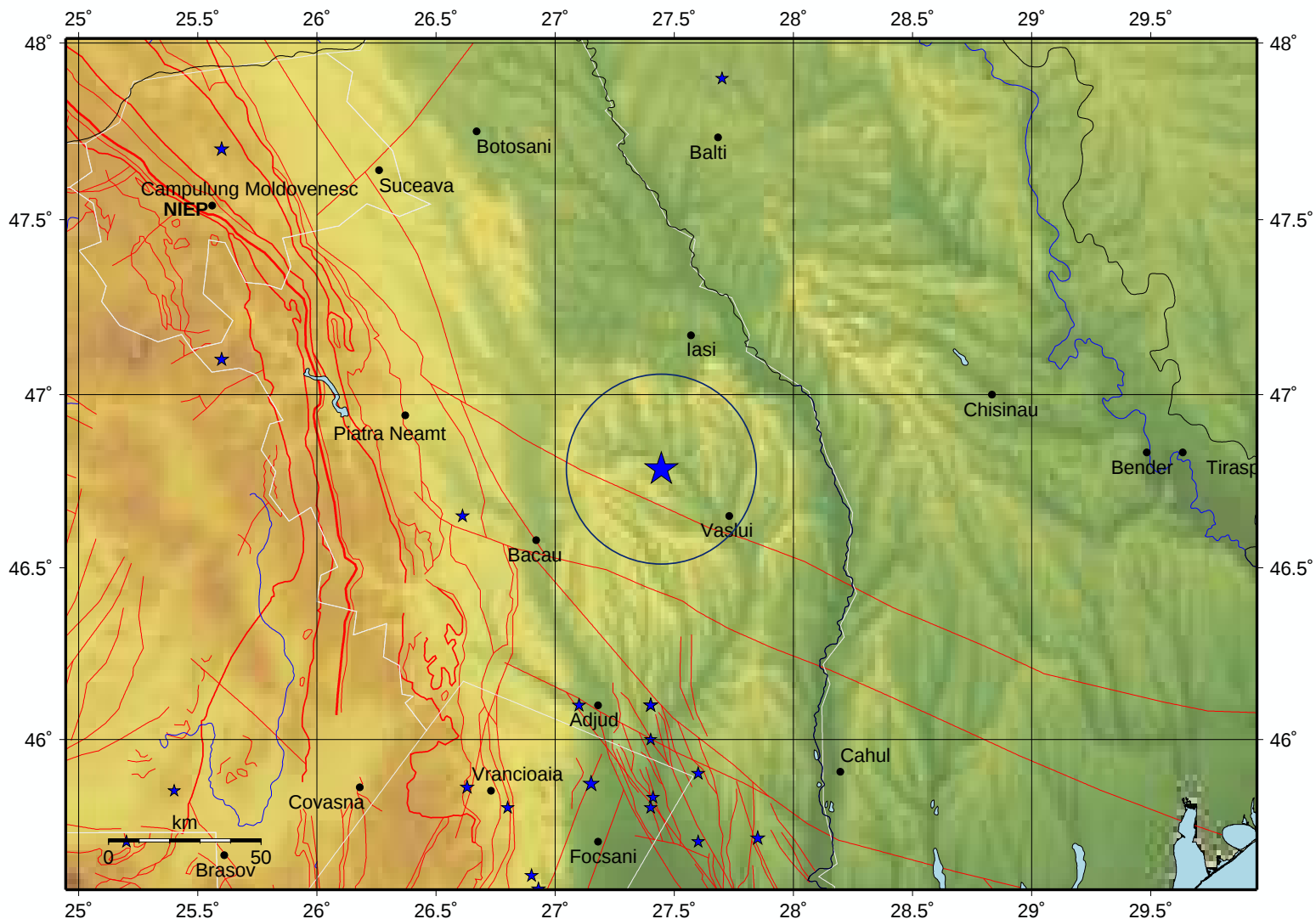
Max. grid values – pga: 60.43(cm/sec**) pgv: 0.77(cm/sec) mi: 4.4

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Local time

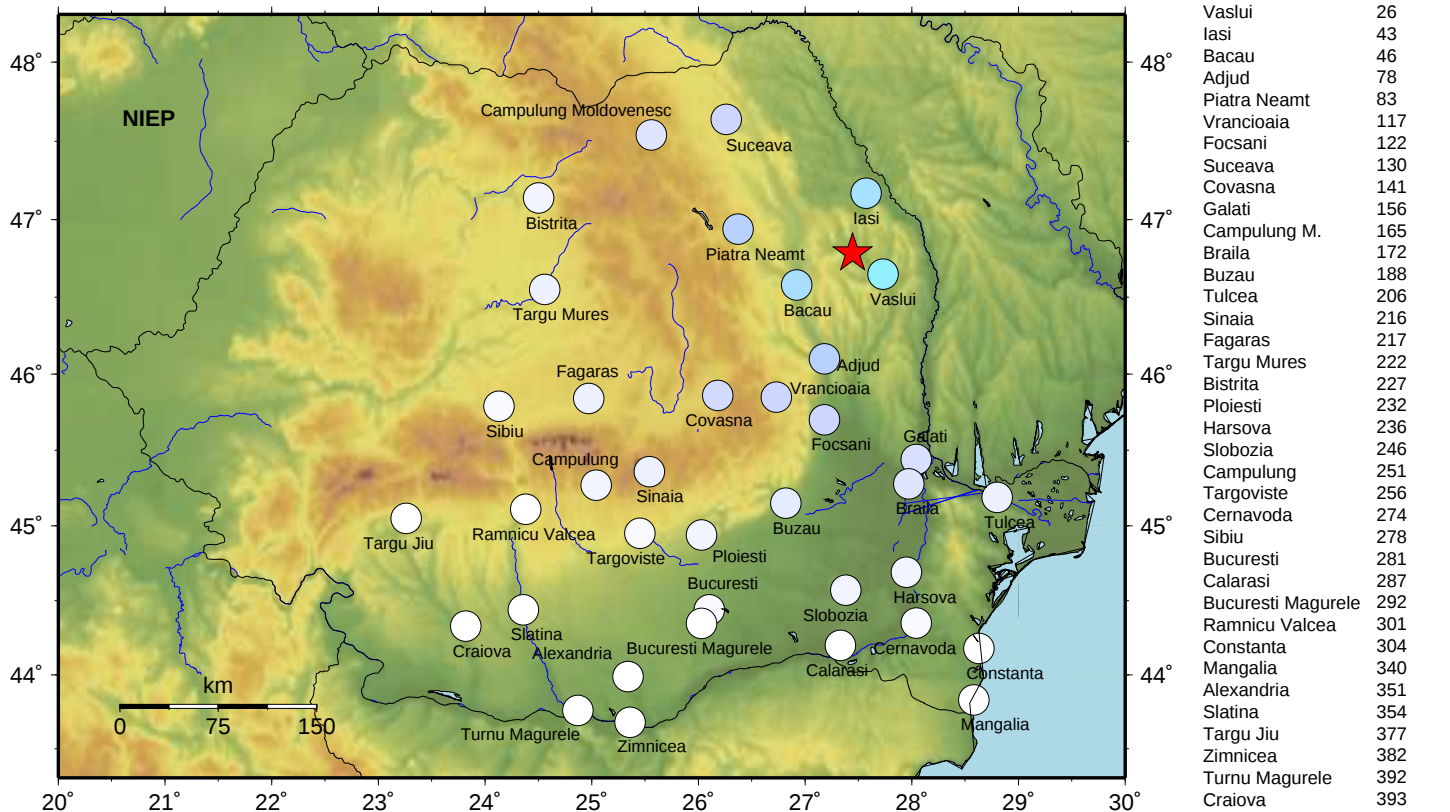
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Fault lines



Estimated intensities based on IPE::TA09_mmi attenuation law

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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+

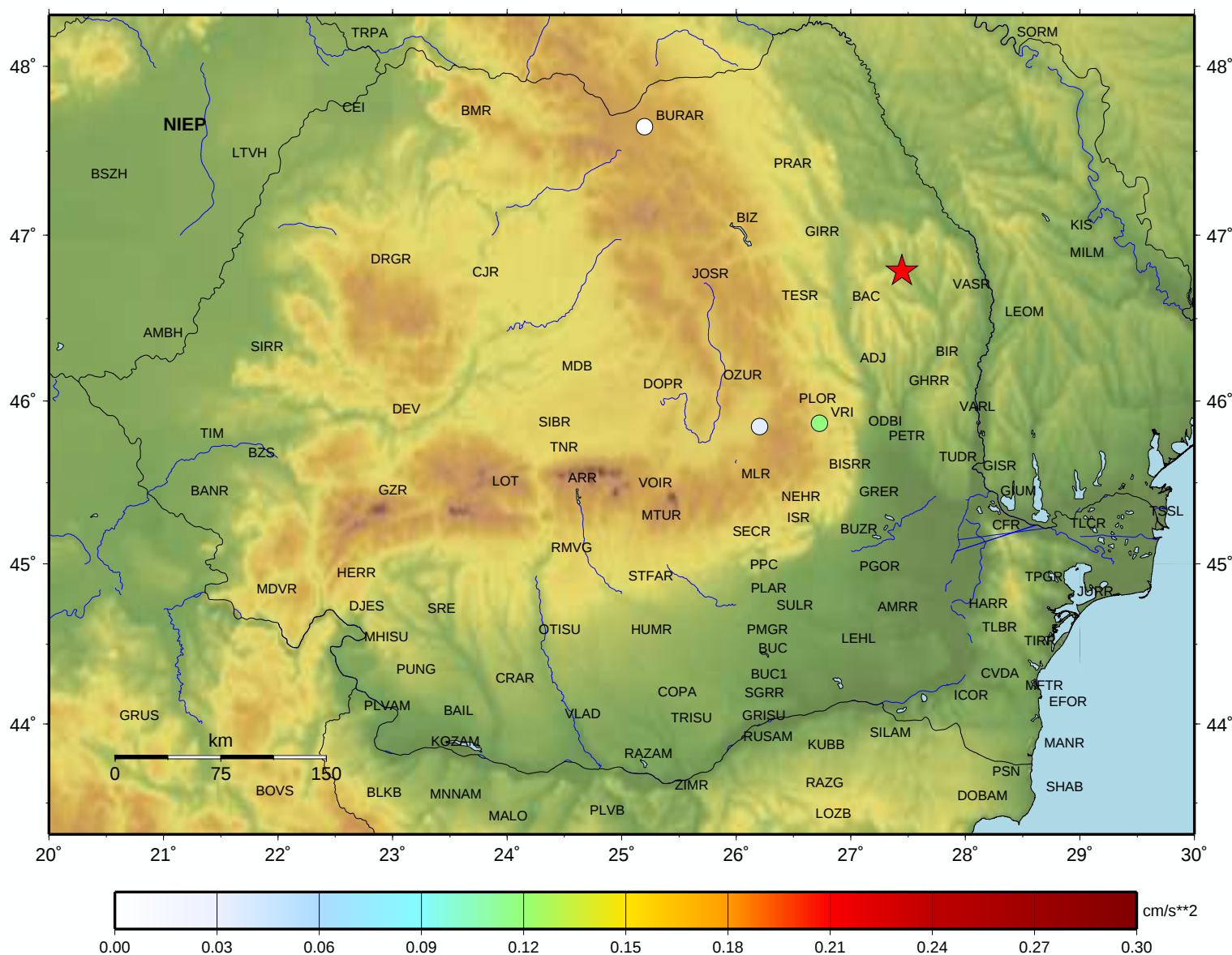
The largest accelerations recorded automatically by the seismic stations of "Instalatie de Interes National - Retea Seismica Nationala (IOSIN-RSN)"

Max. pga(cm/sec**2)		
VRI	HNE	0.12
COVR	HNE	0.03
BURAR	BHN	0.00

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

Maximum observed acceleration: VRI_HNE 0.12

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Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: NGRR_HHE 1.04

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