



National Institute for Earth Physics - Magurele

Seismic report - manual

Event local time: Sun Feb 14,2021 19:24:51

Romania - Event 14172451 - Vrancea seismic zone

Sun Feb 14, 2021 17:24:51 GMT ML 3.8 N45.54 E26.36 Depth: 126.2km ID:14172451

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
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	26.58	45.67	135.1	5.2
25-Apr-2009	17:18:48	26.62	45.68	109.6	5.4
18-Jun-2005	15:16:41	26.66	45.72	153.7	5.2
14-May-2005	01:53:21	26.53	45.64	148.5	5.5
27-Oct-2004	20:34:36	26.63	45.84	105.4	6.0
06-Apr-2000	00:10:38	26.64	45.75	143.4	5.0
28-Apr-1999	08:47:56	26.27	45.49	151.1	5.3

Source: ROMPLUS Catalogue

Romania – Event 14172451 – Vrancea seismic zone

Attenuation laws – GMPE::VS10 IPE::VS04_msk

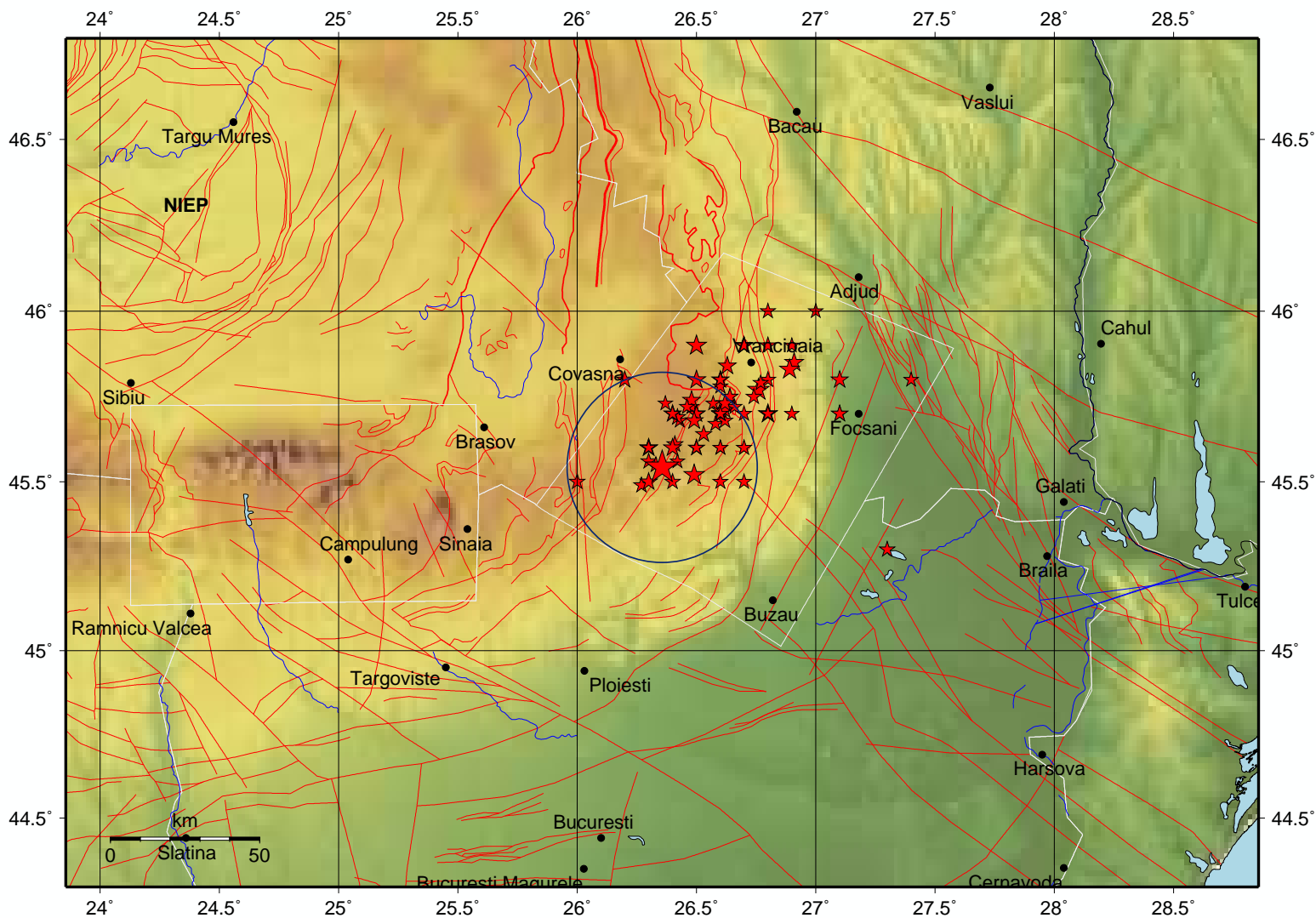
Max. grid values – pga: 1.37(cm/sec**) pgv: 0.00(cm/sec) mi: 2.3

Sun Feb 14, 2021 17:24:51 GMT ML 3.8 N45.54 E26.36 Depth: 126.2km ID:14172451 **Mw 3.6**

Local time

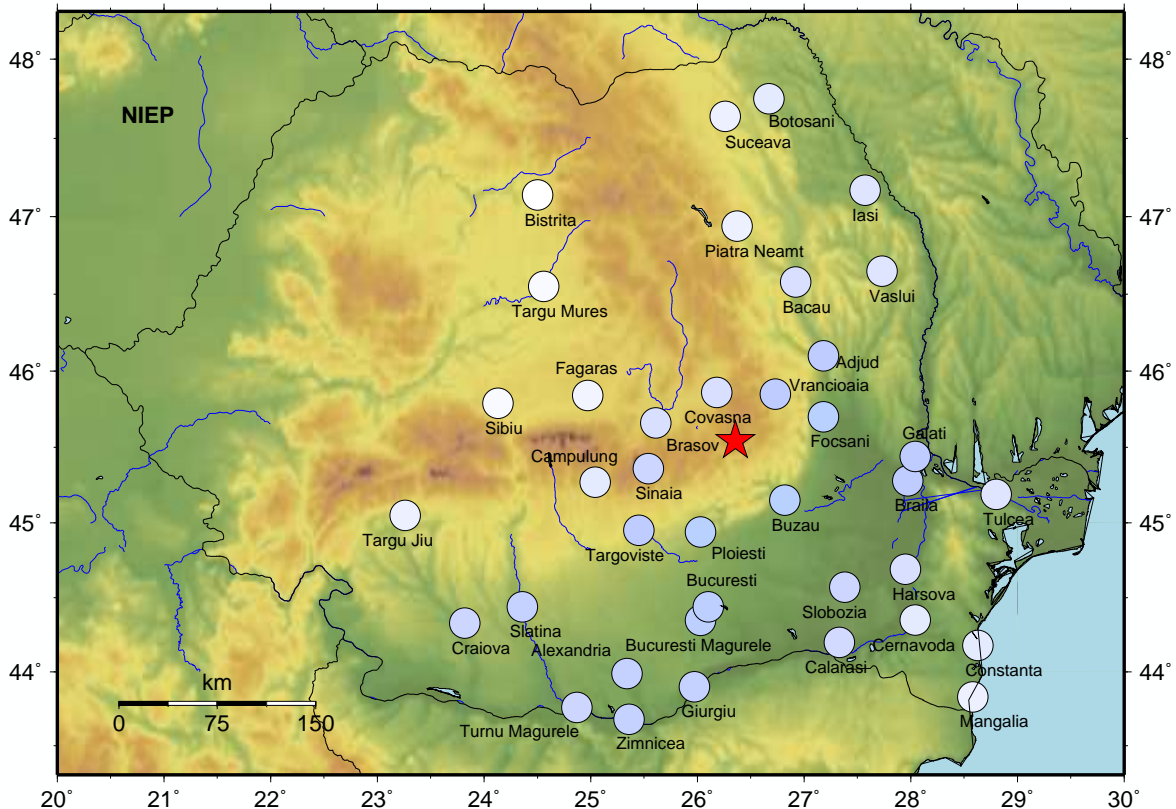
Sun Feb 14, 2021 19:24:51

Fault lines ———



Estimated intensities based on IPE::VS04_msk attenuation law

Sun Feb 14, 2021 17:24:51 GMT ML 3.8 N45.54 E26.36 Depth: 126.2km ID:14172451



City	Distance(km)
Covasna	37
Vranceaia	44
Buzau	56
Brasov	59
Focsani	66
Sinaia	67
Ploiesti	71
Adjud	89
Targoviste	96
Campulung	107
Fagaras	112
Bacau	123
Bucuresti	124
Braila	129
Galati	132
Slobozia	134
Bucuresti Magurele	135
Piatra Neamt	155
Harsova	157
Vaslui	162
Calarasi	167
Sibiu	175
Targu Mures	178
Giurgiu	185
Cernavoda	187
Alexandria	190
Tulcea	195
Slatina	199
Iasi	203
Zimnicea	221
Bistrita	227
Turnu Magurele	230
Suceava	233
Constanta	234
Craiova	241
Botosani	246
Targu Jiu	248
Mangalia	259

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+

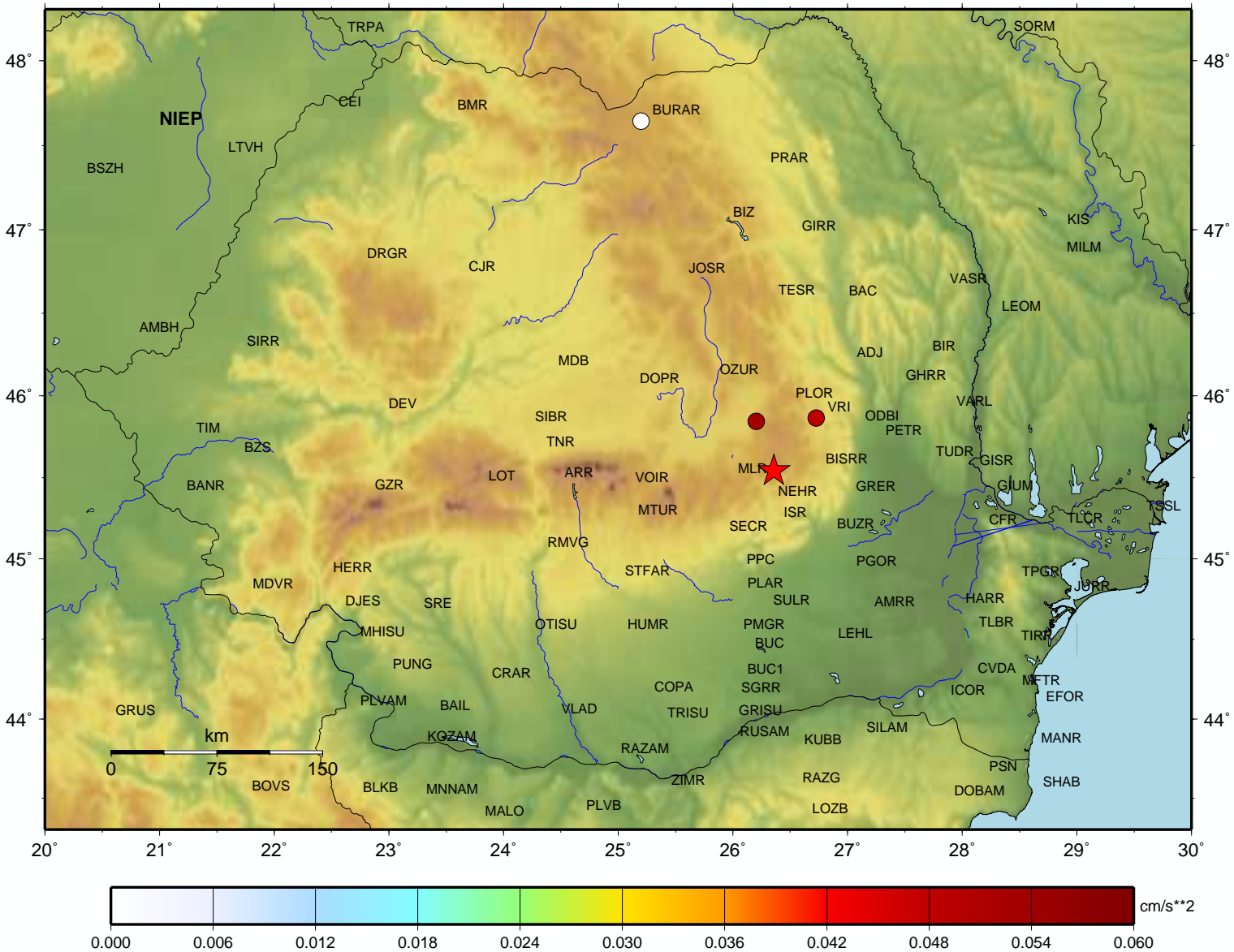
The largest accelerations recorded automatically by the seismic stations of "Instalatie de Interes National - Retea Seismica Nationala (IOSIN-RSN)"

Max. pga (cm/sec**2)		
COVR	HNN	0.05
VRI	HNE	0.05
BURAR	BHN	0.00

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

Maximum observed acceleration: COVR_HNN 0.05

Sun Feb 14, 2021 17:24:51 GMT ML 3.8 N45.54 E26.36 Depth: 126.2km ID:14172451



Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: VLDR_HHN 0.01

Sun Feb 14, 2021 17:24:51 GMT ML 3.8 N45.54 E26.36 Depth: 126.2km ID:14172451

