



National Institute for Earth Physics - Magurele

Seismic report - manual

Event local time: Wed Feb 24,2021 02:07:47

Romania - Event 24000747 - Vrancea seismic zone

Wed Feb 24, 2021 00:07:47 GMT ML 3.1 N45.68 E26.62 Depth: 134.3km ID:24000747

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 24000747 – Vrancea seismic zone

Attenuation laws – GMPE::VS10 IPE::VS04_msk

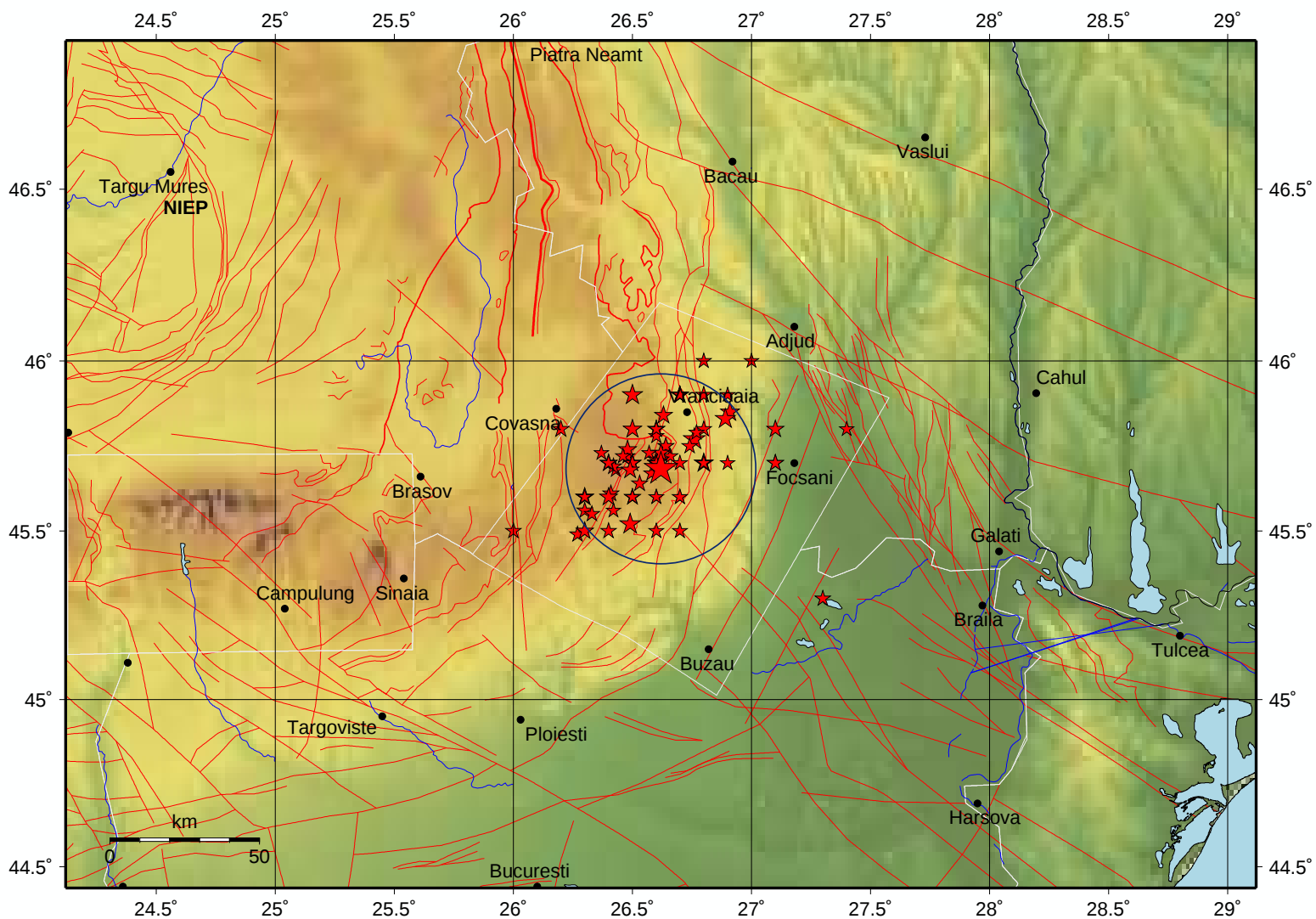
Max. grid values – pga: 0.39(cm/sec**) pgv: 0.00(cm/sec) mi: 1.7

Wed Feb 24, 2021 00:07:47 GMT ML 3.1 N45.68 E26.62 Depth: 134.3km ID:24000747 **Mw 3.1**

Local time

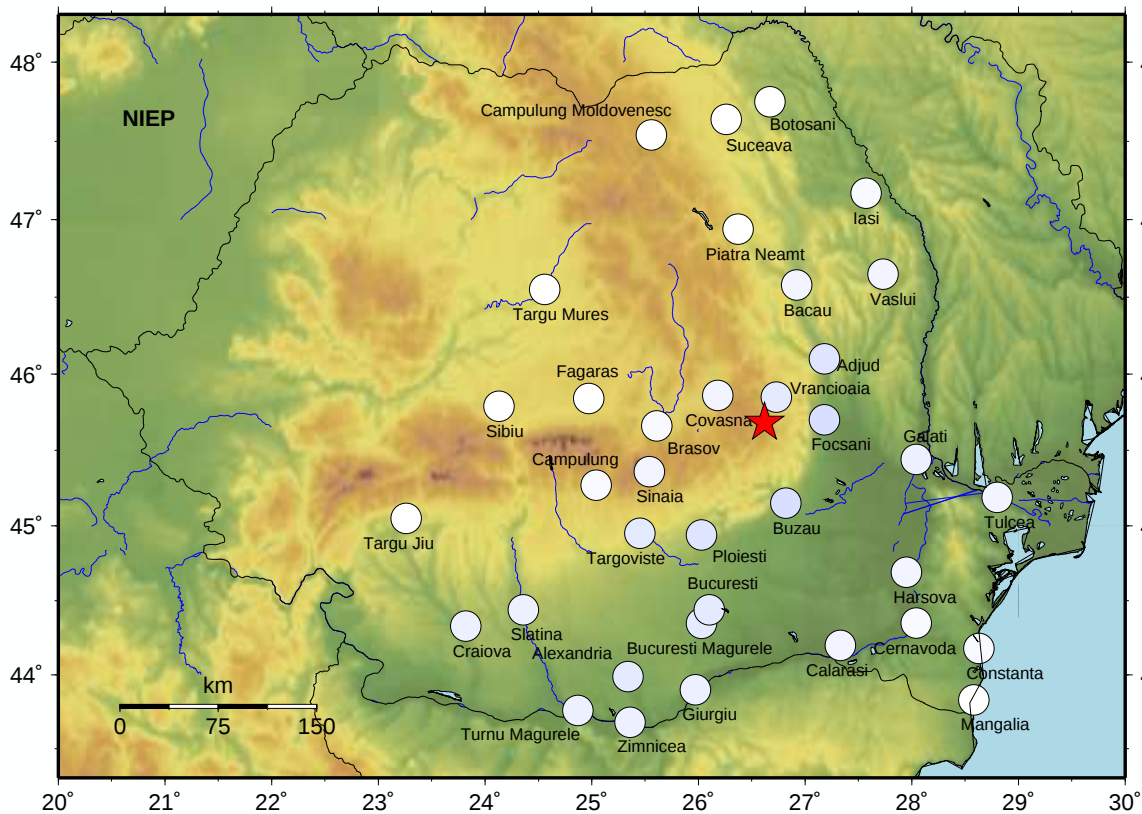
Wed Feb 24, 2021 02:07:47

Fault lines



Estimated intensities based on IPE::VS04_msk attenuation law

Wed Feb 24, 2021 00:07:47 GMT ML 3.1 N45.68 E26.62 Depth: 134.3km ID:24000747



City	Distance(km)
Vrancioaia	20
Covasna	39
Focsani	43
Buzau	61
Adjud	63
Brasov	78
Sinaia	91
Ploiesti	94
Bacau	102
Galati	114
Targoviste	122
Fagaras	129
Campulung	131
Vaslui	137
Piatra Neamt	141
Bucuresti	144
Harsova	152
Bucuresti Magurele	155
Calarasi	174
Tulcea	179
Iasi	180
Cernavoda	185
Targu Mures	186
Sibiu	194
Giurgiu	204
Alexandria	213
Suceava	219
Campulung M.	221
Slatina	225
Botosani	229
Constanta	230
Zimnicea	243
Turnu Magurele	254
Mangalia	257
Craiova	267
Targu Jiu	272

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+

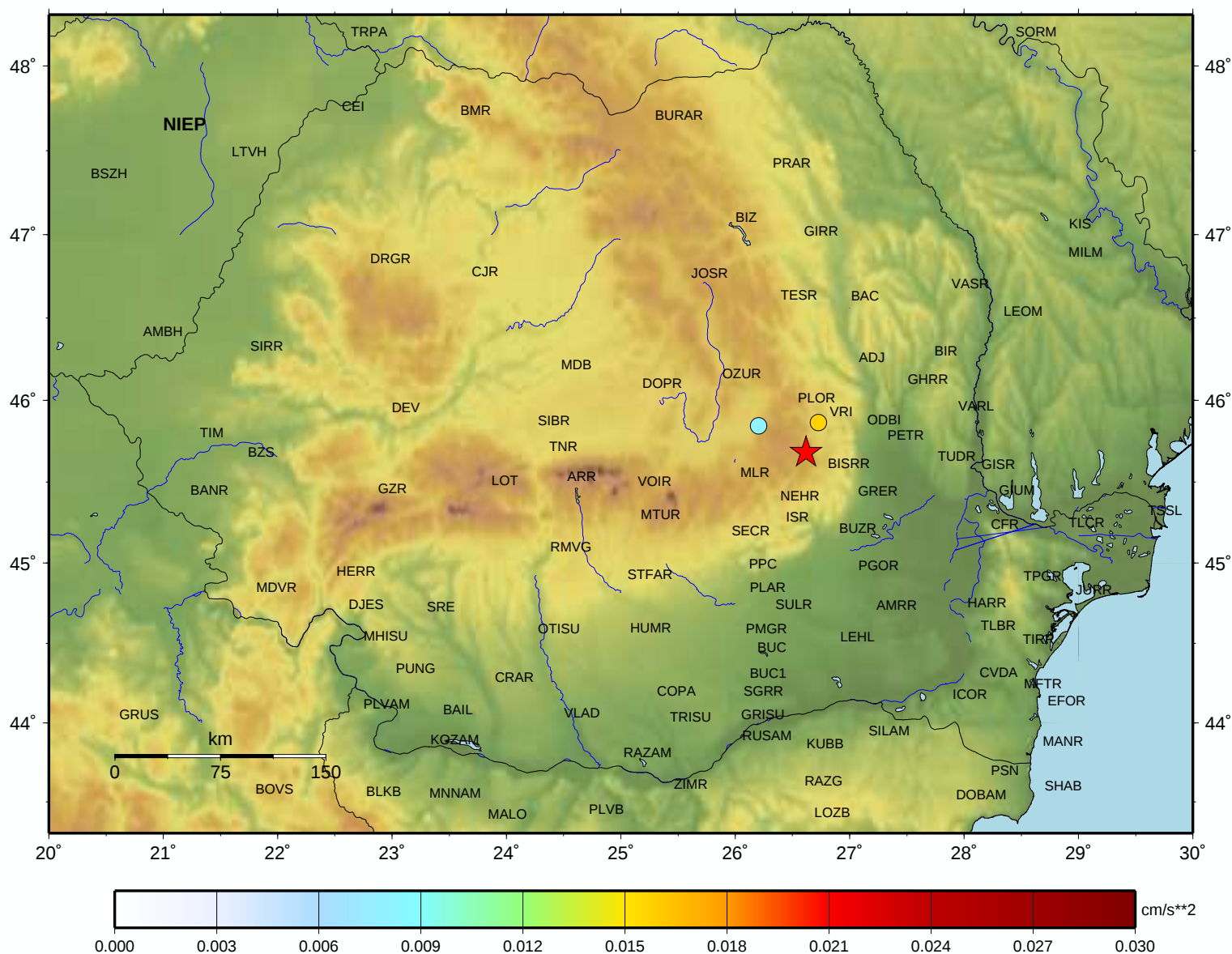
The largest accelerations recorded automatically by the seismic stations of "Instalatie de Interes National - Retea Seismica Nationala (IOSIN-RSN)"

Max. pga(cm/sec**2)		
VRI	HNE	0.02
COVR	HNN	0.01

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

Maximum observed acceleration: VRI_HNE 0.02

Wed Feb 24, 2021 00:07:47 GMT ML 3.1 N45.68 E26.62 Depth: 134.3km ID:24000747



Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: HUMR_HHN 0.00

Wed Feb 24, 2021 00:07:47 GMT ML 3.1 N45.68 E26.62 Depth: 134.3km ID:24000747

