



National Institute for Earth Physics - Magurele

Seismic report - manual

Event local time: Thu Sep 22,2022 00:12:39

Romania - Event 21211239 - Vrancea seismic zone

Wed Sep 21, 2022 21:12:39 GMT ML 3.0 N45.78 E26.64 Depth: 77.1km ID:21211239

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

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Attenuation laws – GMPE::VS10 IPE::VS04_msk

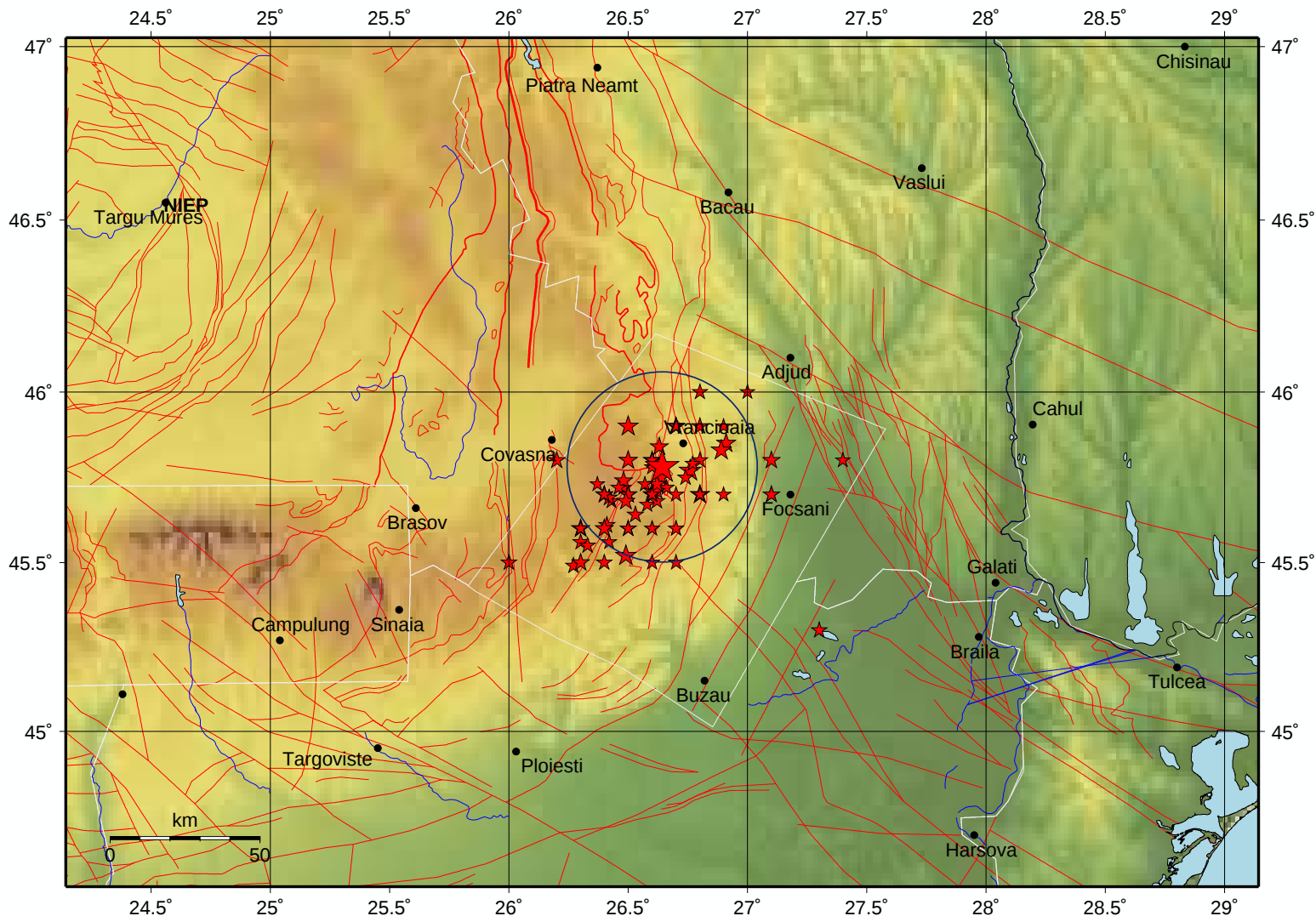
Max. grid values – pga: 0.78(cm/sec**) pgv: 0.00(cm/sec) mi: 1.7

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Local time

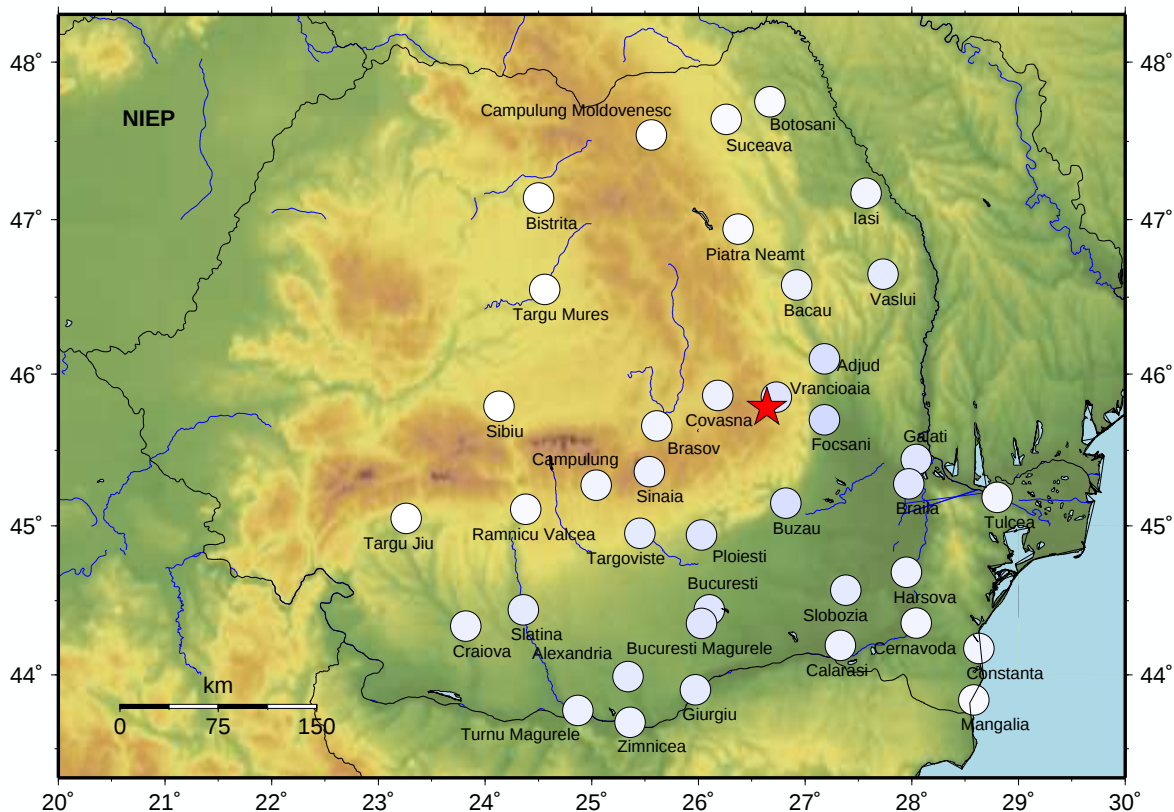
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Fault lines



Estimated intensities based on IPE::VS04_msk attenuation law

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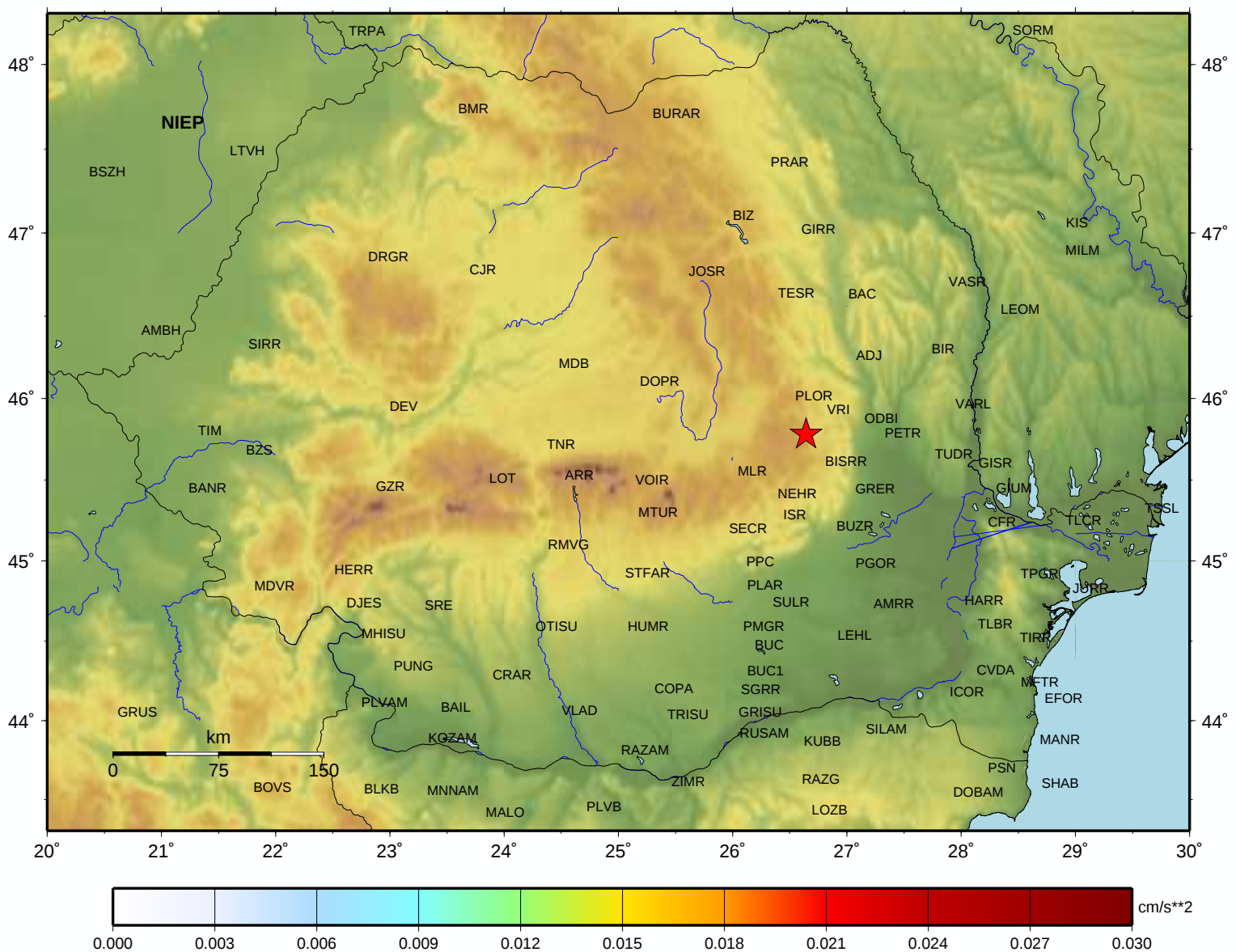


City	Distance(km)
Vrancea	10
Covasna	36
Focsani	42
Adjud	54
Buzau	71
Brasov	81
Bacau	91
Sinaia	97
Ploiesti	105
Galati	115
Braila	117
Vaslui	127
Piatra Neamt	130
Targoviste	131
Campulung	137
Slobozia	146
Bucuresti	155
Harsova	158
Bucuresti Magurele	166
Iasi	170
Tulcea	181
Targu Mures	182
Calarasi	183
Ramnicu Valcea	192
Cernavoda	193
Sibiu	195
Suceava	208
Campulung M.	212
Giurgiu	215
Botosani	218
Bistrita	223
Alexandria	224
Slatina	233
Constanta	237
Zimnicea	254
Turnu Magurele	264
Mangalia	265
Craiova	274
Targu Jiu	276

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+

Max. pga(cm/sec**2)

Maximum observed acceleration:



Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: BISRR_HHN 0.00

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