



National Institute for Earth Physics - Magurele

Seismic report - manual

Event local time: Sun Aug 28,2022 00:14:41

Romania - Event 27211441 - Vrancea seismic zone

Sat Aug 27, 2022 21:14:41 GMT ML 3.0 N45.66 E26.63 Depth: 137.5km ID:27211441

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

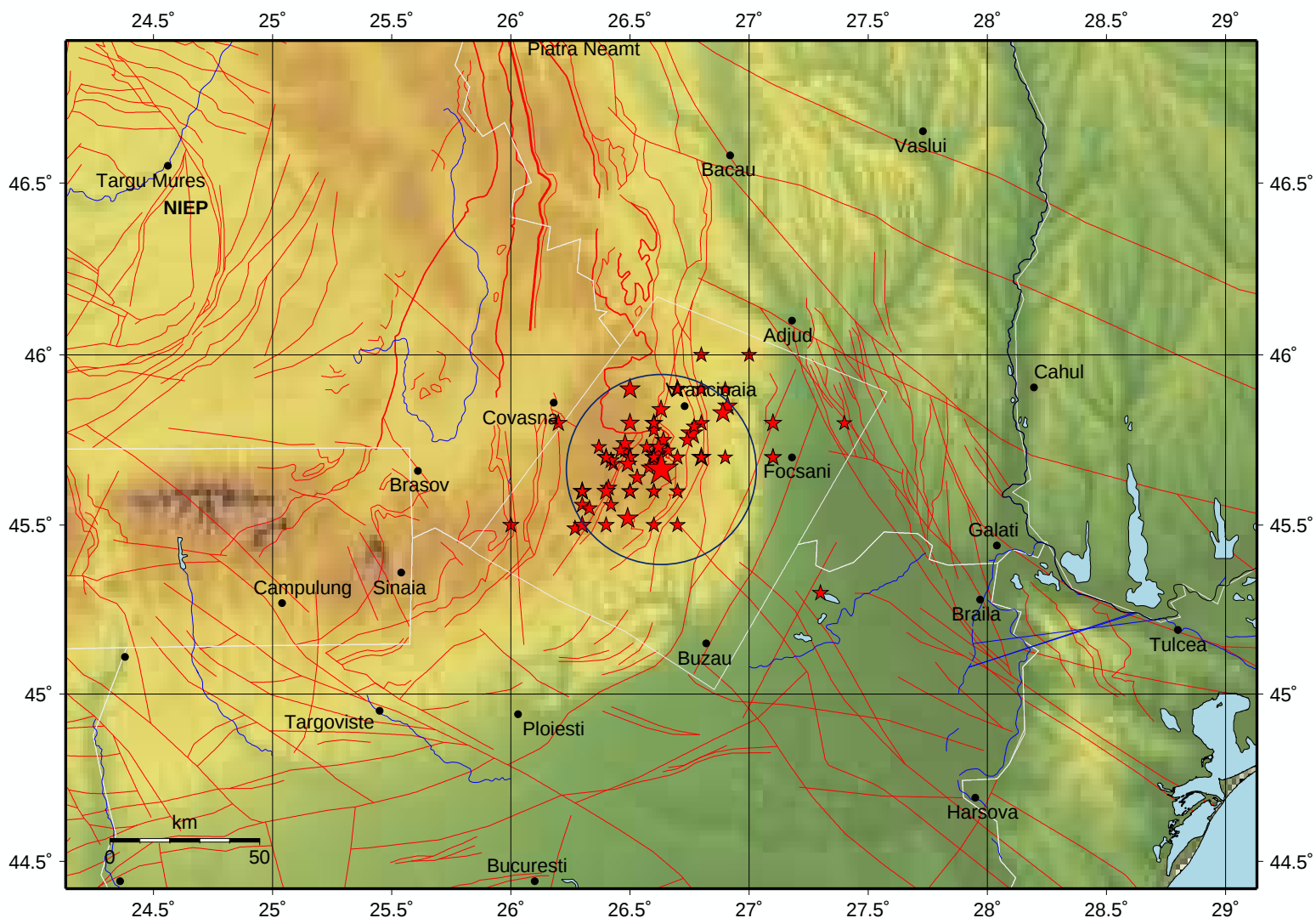
Max. grid values – pga: 0.29(cm/sec**) pgv: 0.00(cm/sec) mi: 1.6

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Local time

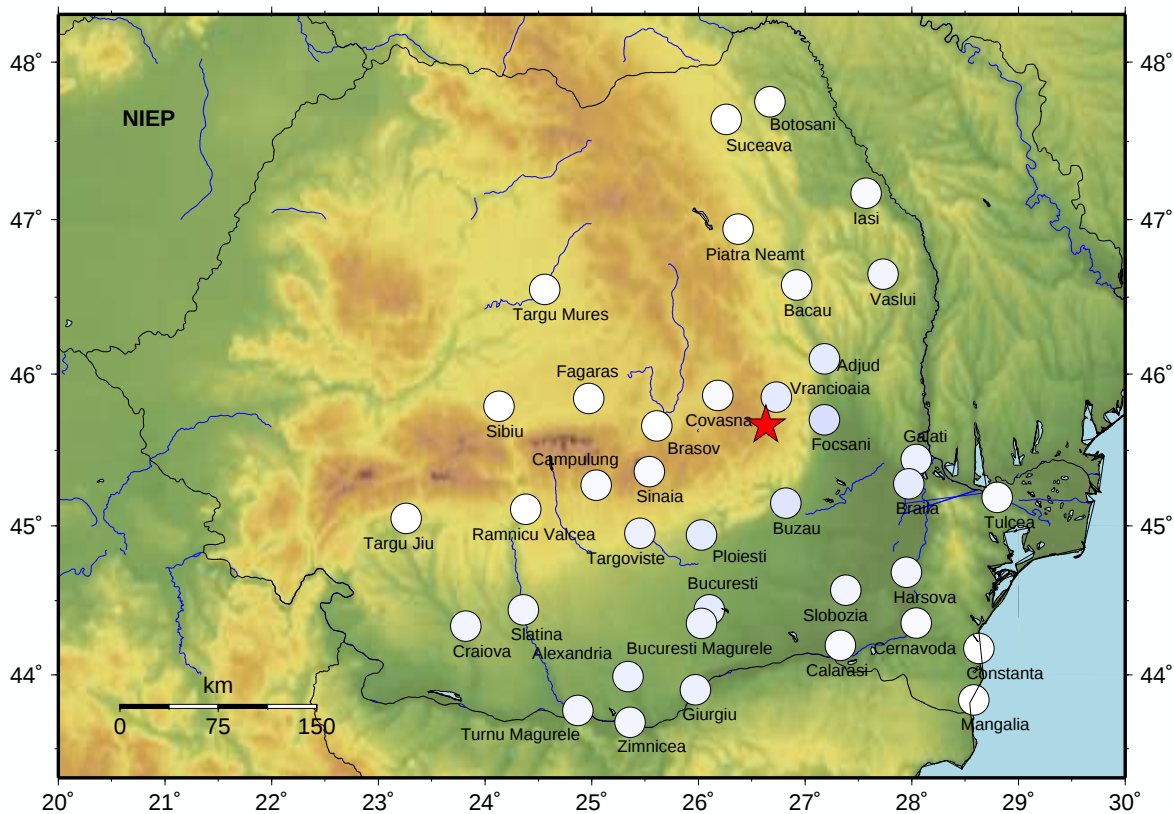
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Fault lines



Estimated intensities based on IPE::VS04_msk attenuation law

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City	Distance(km)
Vrancea	21
Covasna	41
Focsani	42
Buzau	59
Adjud	64
Brasov	79
Sinaia	91
Ploiesti	93
Bacau	104
Galati	112
Braila	113
Targoviste	122
Fagaras	130
Campulung	131
Slobozia	135
Vaslui	138
Bucuresti	142
Piatra Neamt	143
Harsova	149
Bucuresti Magurele	153
Calarasi	171
Tulcea	177
Iasi	182
Cernavoda	183
Ramnicu Valcea	186
Targu Mures	188
Sibiu	195
Giurgiu	202
Alexandria	212
Suceava	221
Slatina	224
Constanta	228
Botosani	231
Zimnicea	242
Turnu Magurele	253
Mangalia	255
Craiova	266
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+

Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: HUMR_HHN 0.01

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