



National Institute for Earth Physics - Magurele

Seismic report - manual

Event local time: Mon May 27, 2024 07:16:31

Romania - Event 27041631 - Vrancea seismic zone

Mon May 27, 2024 04:16:31 GMT ML 3.5 N45.54 E26.53 Depth: 127.1km ID:27041631

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
03-Nov-2022	04:50:25	26.53	45.49	149.0	4.9
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	26.50	45.67	135.1	5.2
01-May-2011	02:24:15	26.40	45.58	146.1	4.9
25-Apr-2009	17:18:48	26.60	45.68	109.6	5.4
13-Dec-2005	12:14:45	26.70	45.68	136.8	4.9
18-Jun-2005	15:16:41	26.60	45.72	153.7	5.2
14-May-2005	01:53:21	26.50	45.64	148.5	5.5

Source: ROMPLUS Catalogue

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Attenuation laws – GMPE::VS10 IPE::VS04_msk

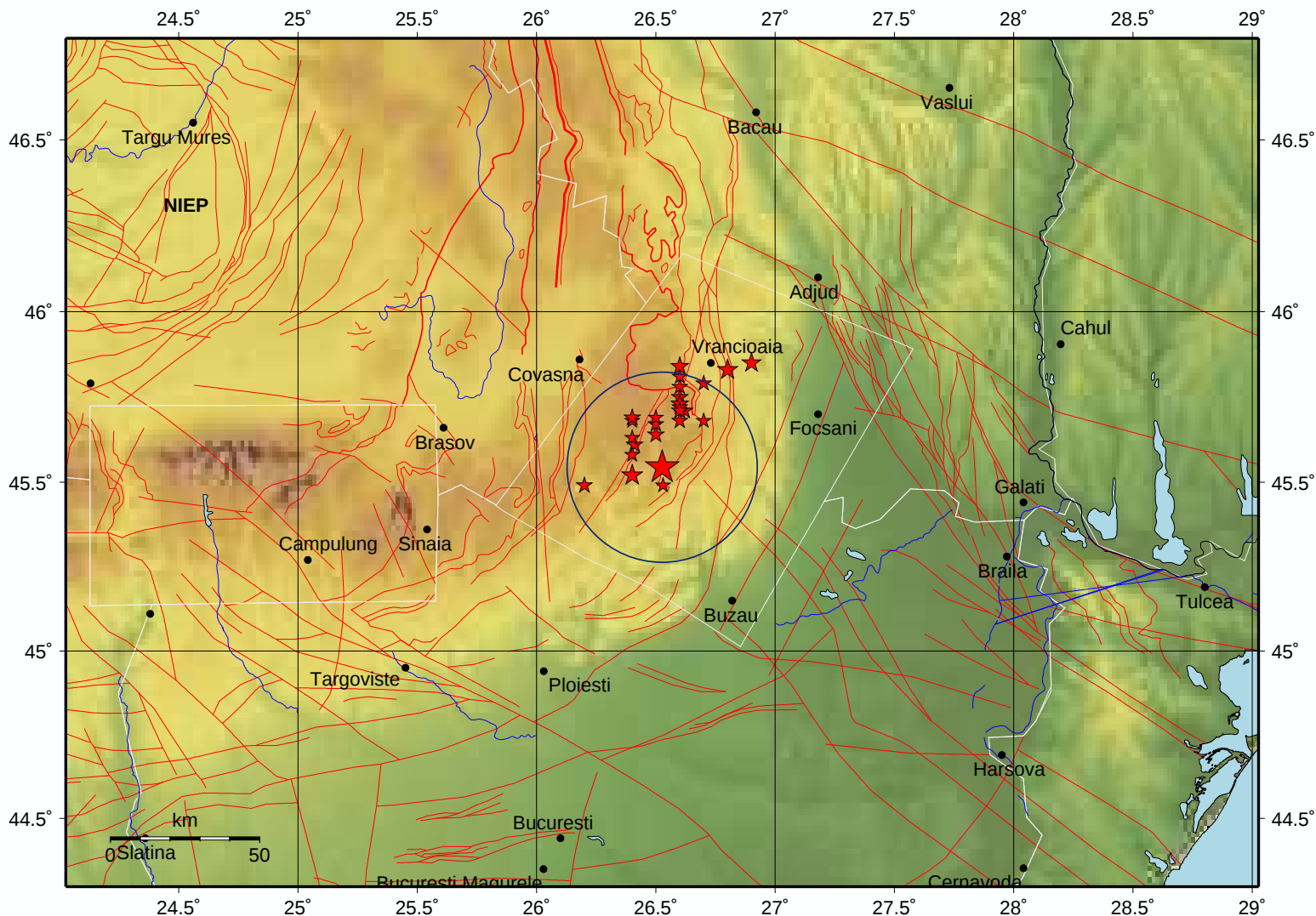
Max. grid values – pga: 0.10(cm/sec**) pgv: 0.00(cm/sec) mi: 2.0

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Local time

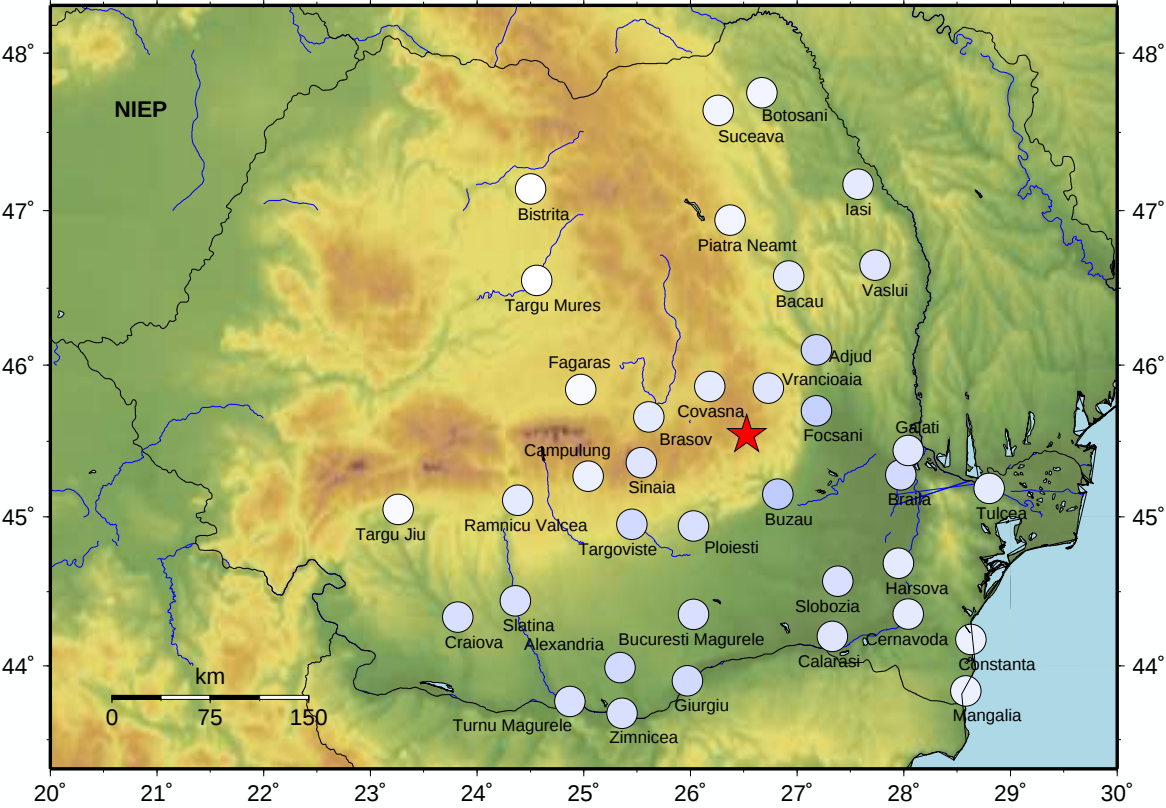
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Fault lines



Estimated intensities based on IPE::VS04_msk attenuation law

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City	Distance(km)
Vrancea	37
Covasna	44
Buzau	49
Focsani	53
Brasov	72
Ploiesti	77
Sinaia	79
Adjud	80
Targoviste	107
Braila	116
Galati	118
Bacau	119
Campulung	120
Fagaras	125
Slobozia	127
Bucuresti Magurele	138
Harsova	146
Vaslui	154
Piatra Neamt	155
Calarasi	162
Ramnicu Valcea	175
Cernavoda	178
Tulcea	182
Giurgiu	187
Targu Mures	188
Alexandria	196
Iasi	197
Slatina	210
Constanta	224
Zimnicea	226
Suceava	233
Bistrita	236
Turnu Magurele	237
Botosani	245
Mangalia	250
Craiova	252
Targu Jiu	262

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: VLDR_HNE -0.39

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Max. pgv (cm/sec)

Maximum observed velocity: HUMR_HHN 0.06

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