



National Institute for Earth Physics - Magurele

Seismic report - manual

Event local time: Mon May 25,2020 15:44:47

Romania - Event 25124447 - Vrancea seismic zone

Mon May 25, 2020 12:44:47 GMT ML 3.3 N45.74 E26.73 Depth: 103.0km ID:25124447

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

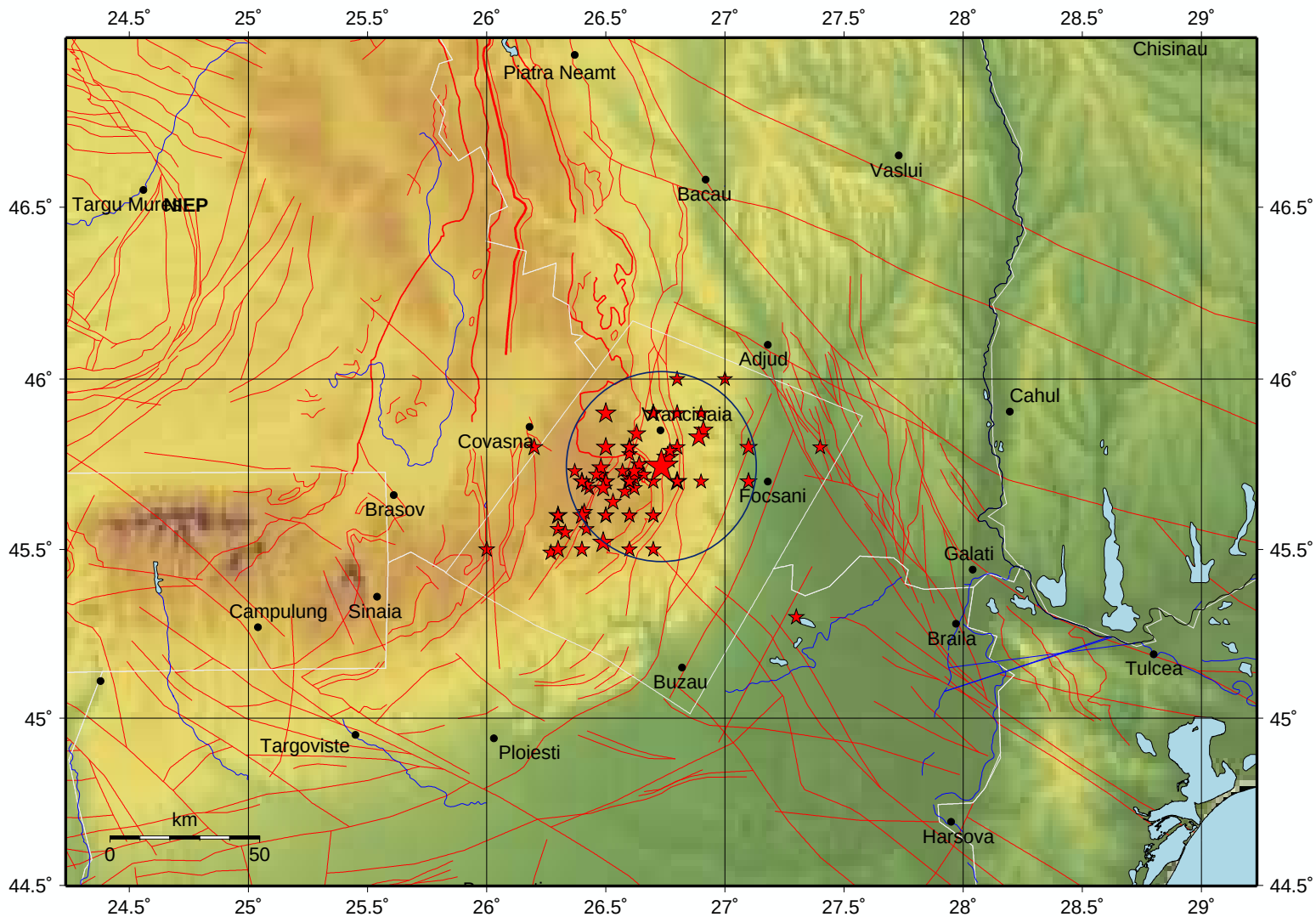
Max. grid values – pga: 0.0888(%g) pgv: 0.0023(cm/sec) mi: 1.9

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Local time

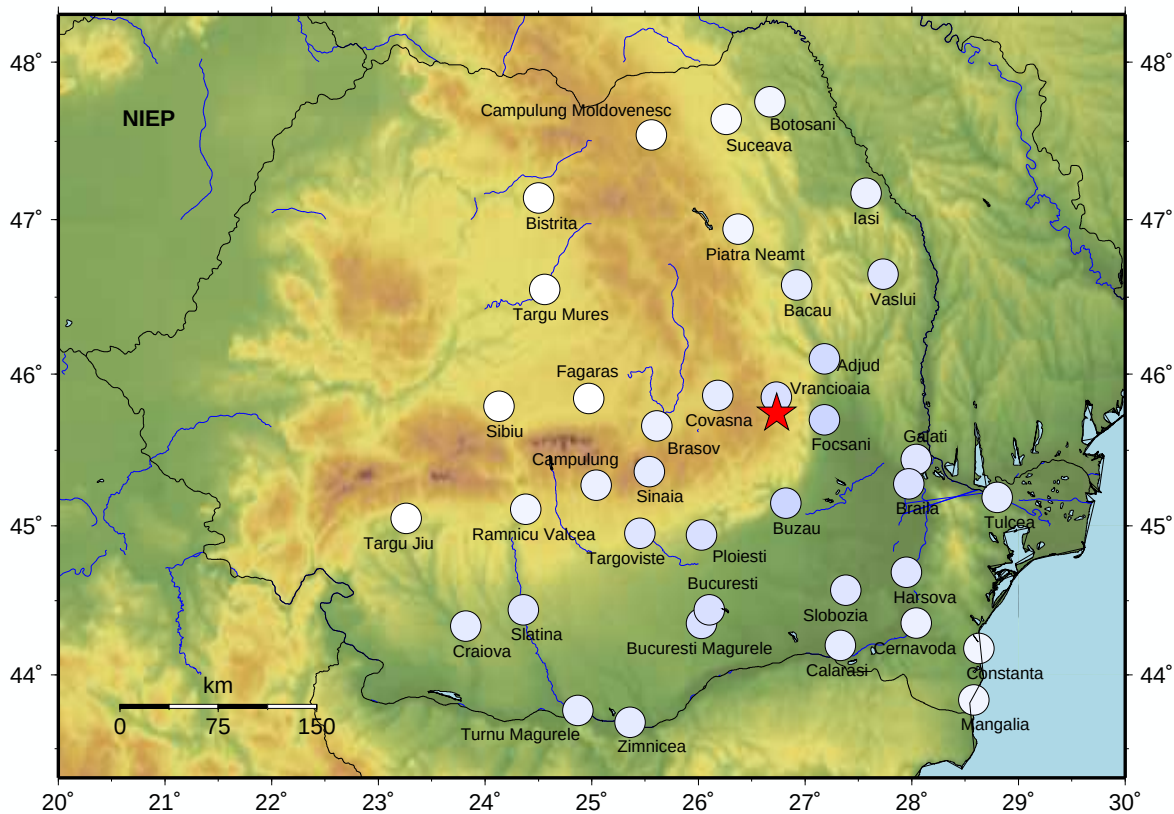
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Fault lines



Estimated intensities based on IPE::VS04_msk attenuation law

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City	Distance(km)
Vrancea	11
Focsani	35
Covasna	44
Adjud	52
Buzau	66
Brasov	87
Bacau	94
Sinaia	102
Ploiesti	104
Galati	107
Braila	109
Vaslui	126
Targoviste	133
Piatra Neamt	135
Fagaras	137
Slobozia	139
Campulung	142
Harsova	151
Bucuresti	153
Bucuresti Magurele	164
Iasi	171
Tulcea	172
Calarasi	177
Cernavoda	185
Targu Mures	190
Ramnicu Valcea	197
Sibiu	202
Suceava	213
Campulung M.	218
Botosani	223
Constanta	229
Bistrita	231
Slatina	236
Zimnicea	253
Mangalia	258
Turnu Magurele	265
Craiova	278
Targu Jiu	282

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+

Maximum observed acceleration: _

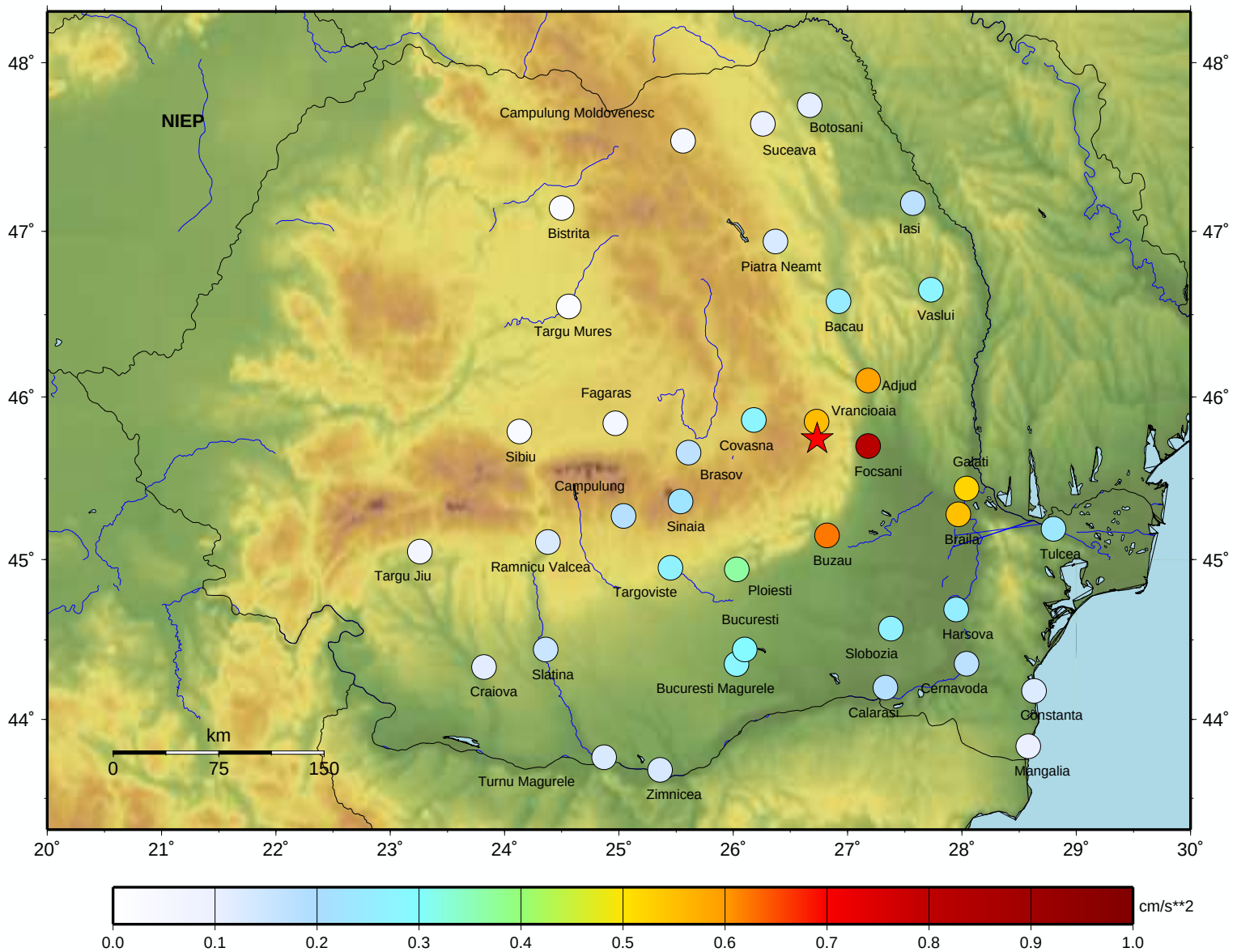
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Estimated accelerations based on GMPE::VS10 attenuation law

Maximum grid acceleration: 0.8711 (cm/sec**2); magnitude bias: 0.00

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Maximum observed velocity: BISRR_HHN 0.0034
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Estimated velocities based on GMPE::VS10 attenuation law

Maximum grid velocity : 0.0023 (cm/sec); magnitude bias: -0.56

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