



National Institute for Earth Physics - Magurele

Seismic report - manual

Event local time: Thu Apr 30,2020 12:04:00

Romania - Event 30090400 - Vrancea seismic zone

Thu Apr 30, 2020 09:04:00 GMT ML 3.1 N45.48 E26.43 Depth: 122.1km ID:30090400

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 30090400 – Vrancea seismic zone

Attenuation laws – GMPE::VS10 IPE::VS04_msk

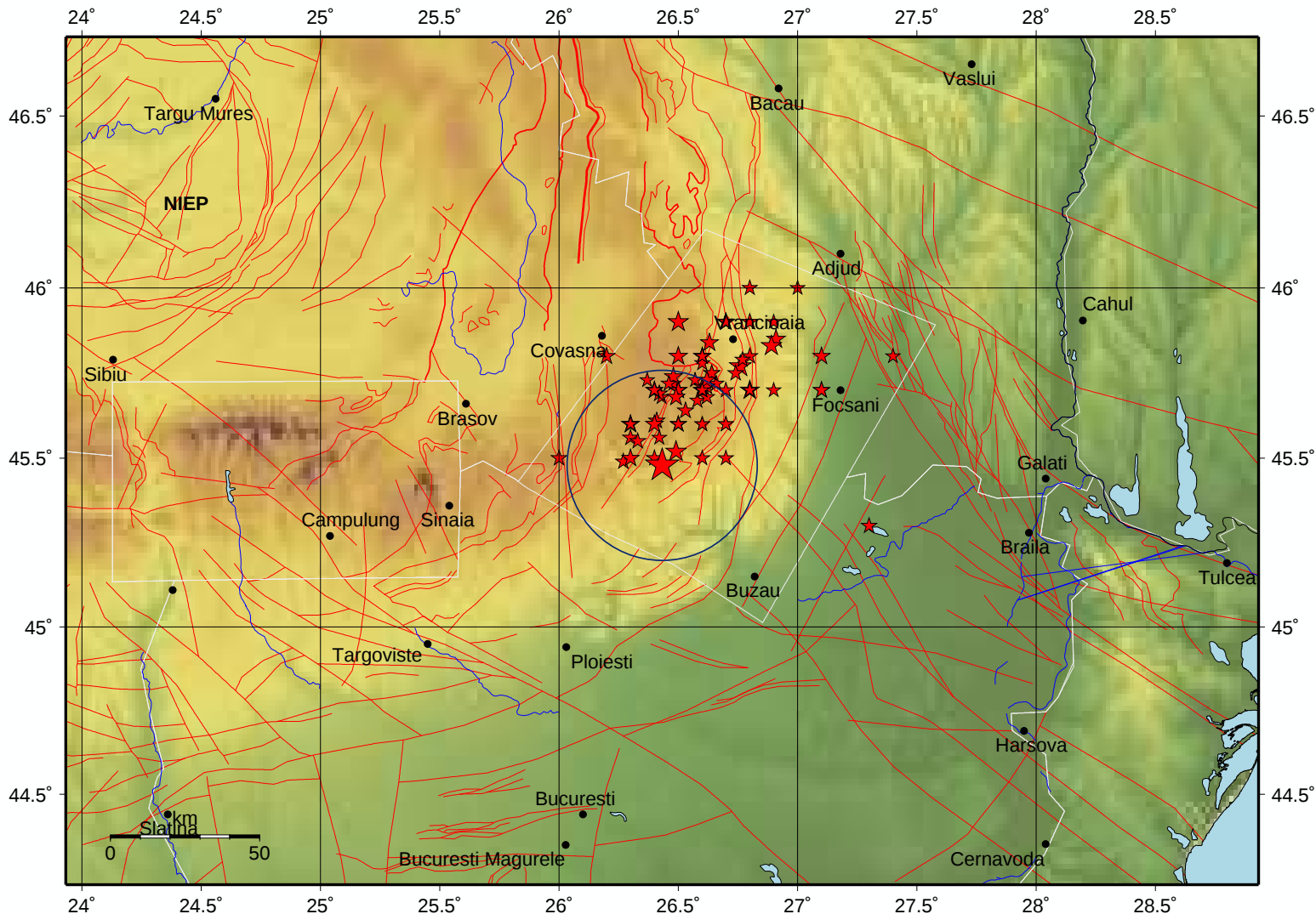
Max. grid values – pga: 0.0428(%g) pgv: 0.0007(cm/sec) mi: 1.7

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Local time

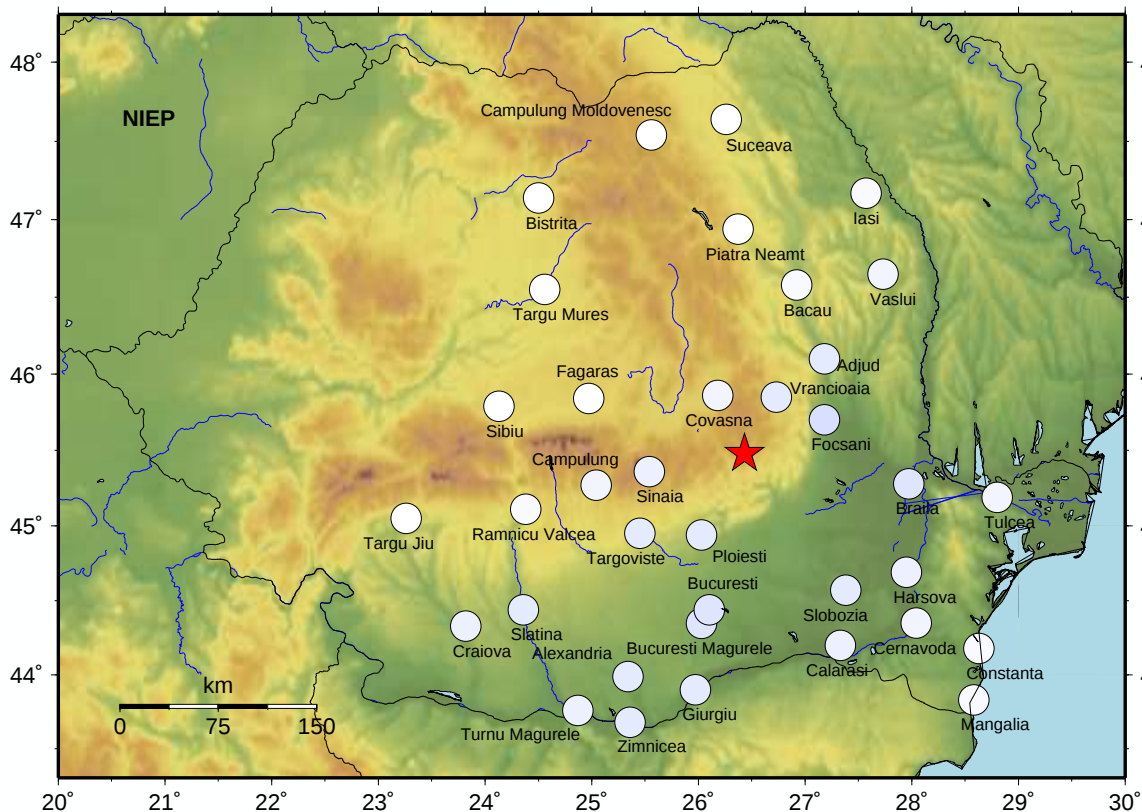
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Fault lines



Estimated intensities based on IPE::VS04_msk attenuation law

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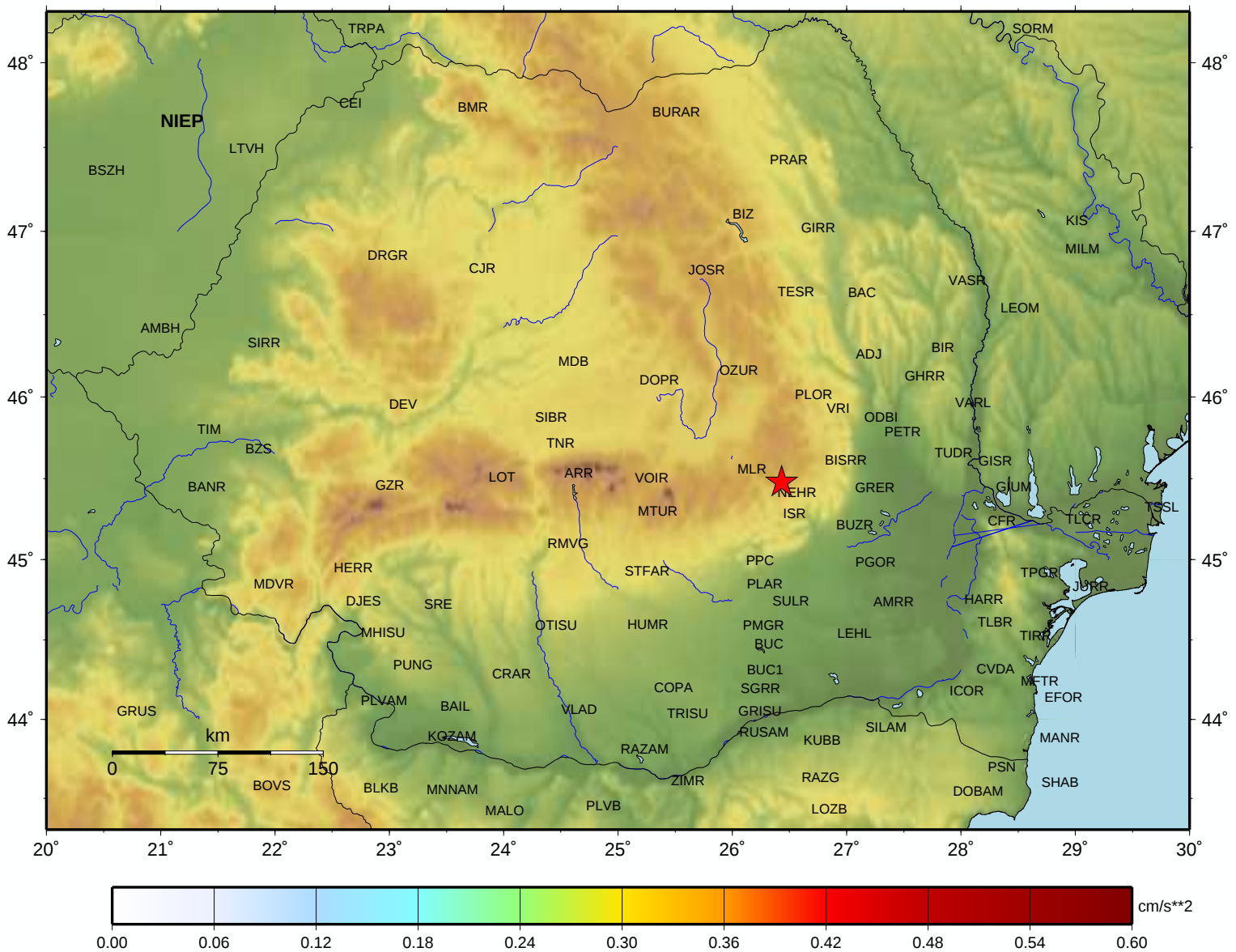
City	Distance(km)
Covasna	46
Vrancea	47
Focsani	63
Ploiesti	67
Sinaia	71
Adjud	90
Targoviste	96
Campulung	111
Bucuresti	118
Fagaras	120
Braila	122
Slobozia	125
Bacau	128
Bucuresti Magurele	129
Harsova	148
Calarasi	158
Piatra Neamt	162
Vaslui	164
Ramnicu Valcea	166
Cernavoda	178
Giurgiu	179
Sibiu	182
Alexandria	186
Targu Mures	187
Tulcea	188
Slatina	200
Iasi	207
Zimnicea	217
Constanta	225
Turnu Magurele	227
Bistrita	237
Campulung M.	238
Suceava	240
Craiova	242
Mangalia	250
Targu Jiu	253

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

Maximum observed acceleration: _

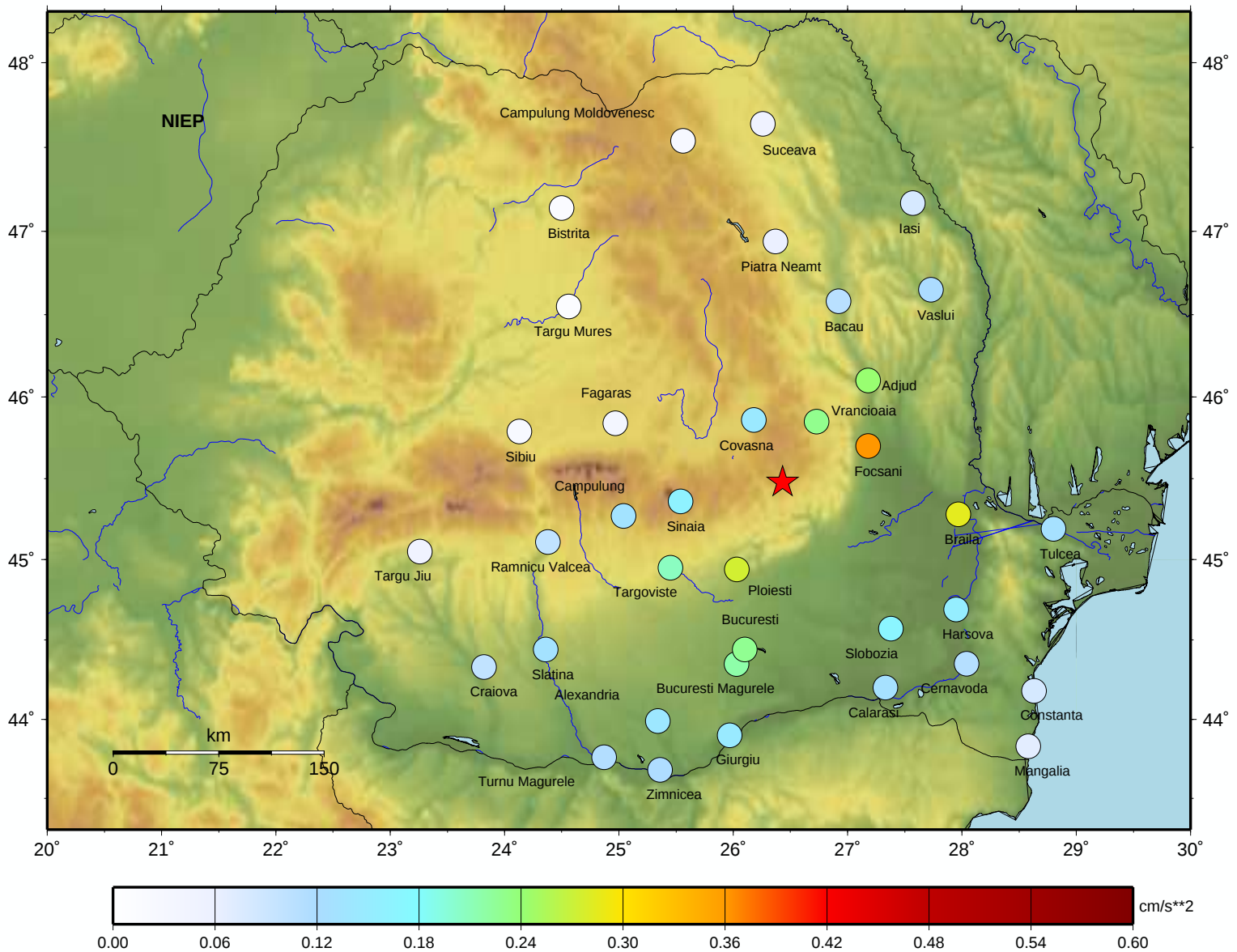
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Estimated accelerations based on GMPE::VS10 attenuation law

Maximum grid acceleration: 0.4199 (cm/sec**2); magnitude bias: 0.00

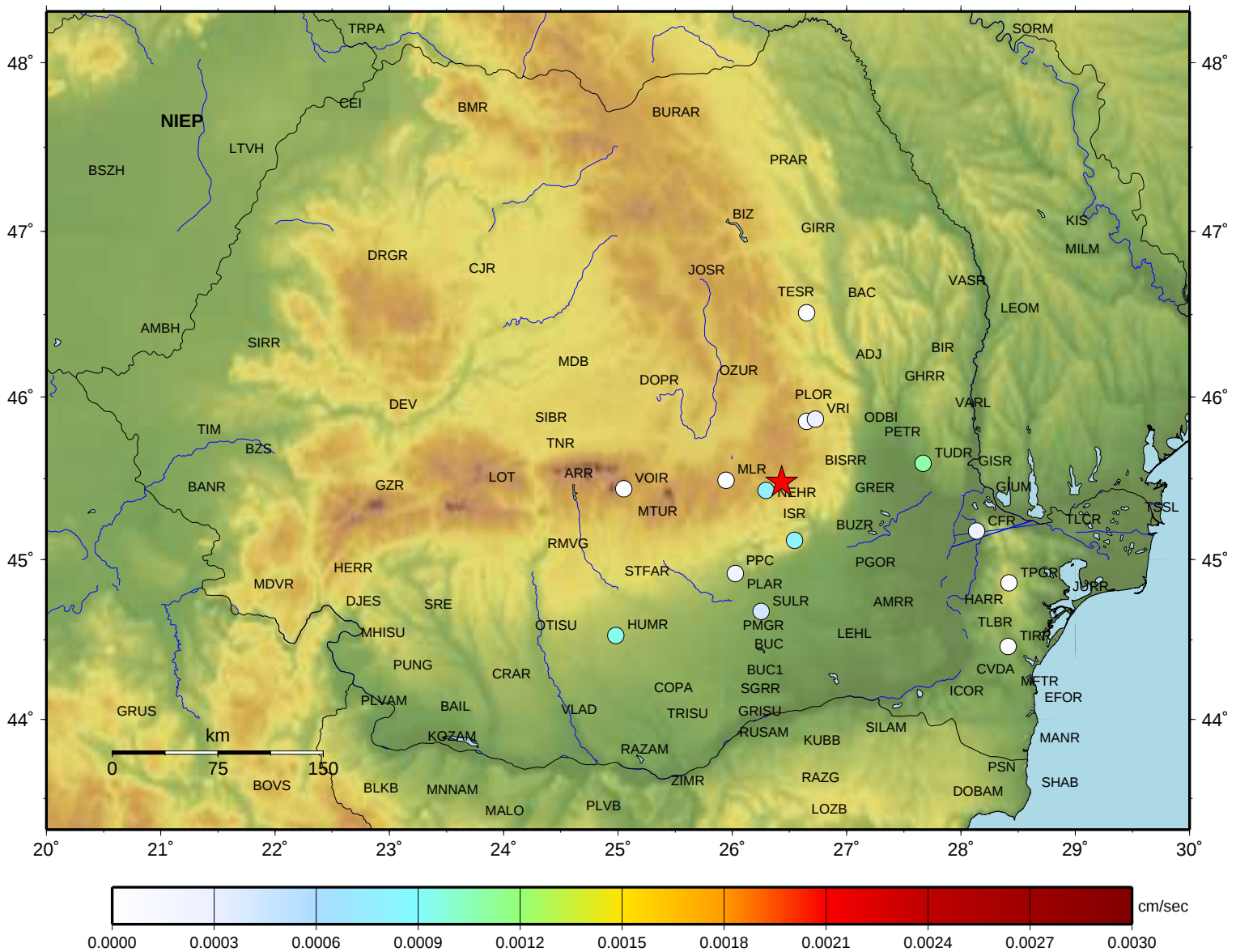
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Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: PANC_HHN 0.0013

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Estimated velocities based on GMPE::VS10 attenuation law

Maximum grid velocity : 0.0007 (cm/sec); magnitude bias: -0.48

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