



National Institute for Earth Physics - Magurele

Seismic report - manual

Event local time: Tue Apr 28,2020 05:58:17

Romania - Event 28025817 - Vrancea seismic zone

Tue Apr 28, 2020 02:58:17 GMT ML 3.2 N45.56 E26.43 Depth: 114.5km ID:28025817

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 28025817 – Vrancea seismic zone

Attenuation laws – GMPE::VS10 IPE::VS04_msk

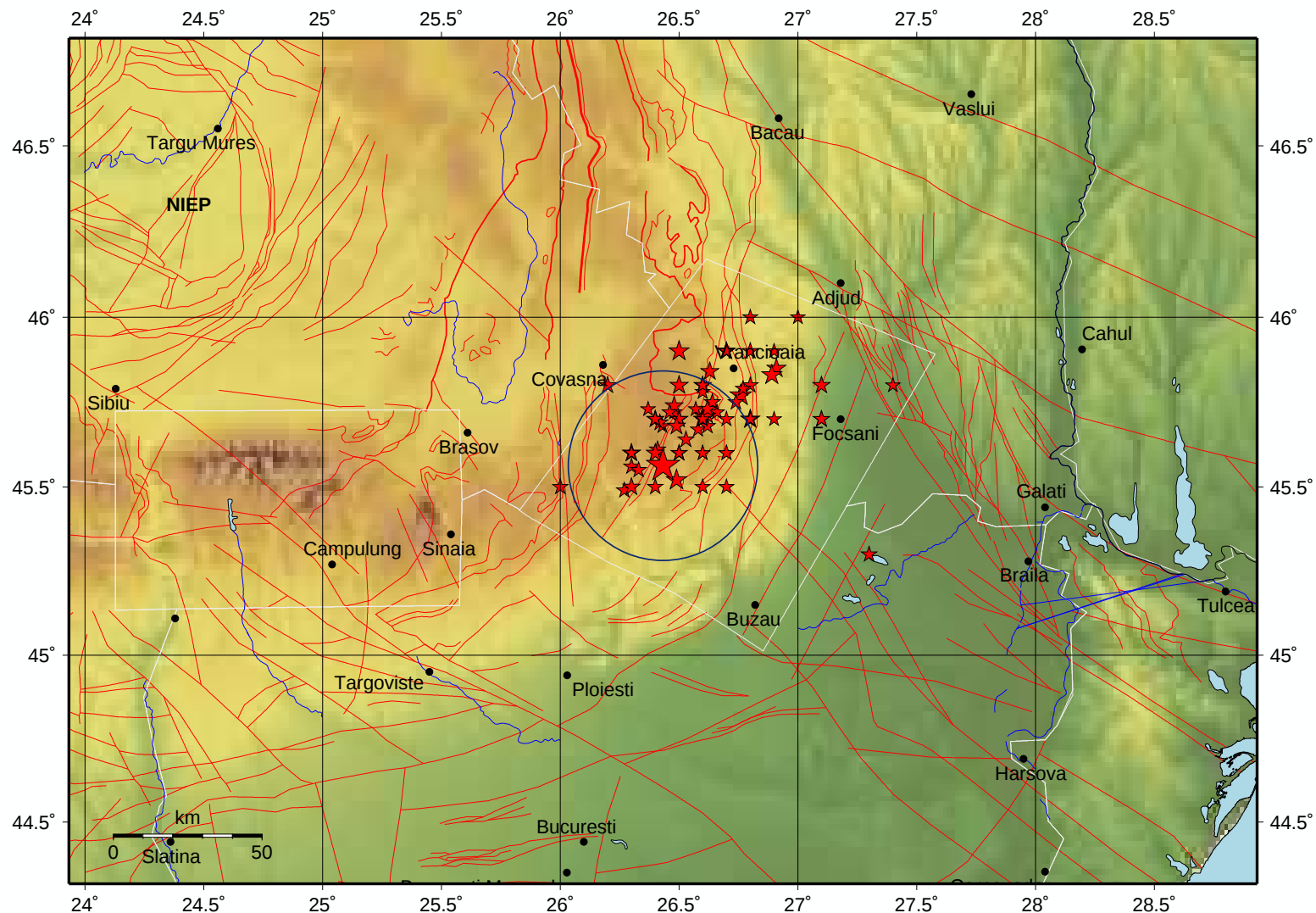
Max. grid values – pga: 0.0514(%g) pgv: 0.0005(cm/sec) mi: 1.7

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Local time

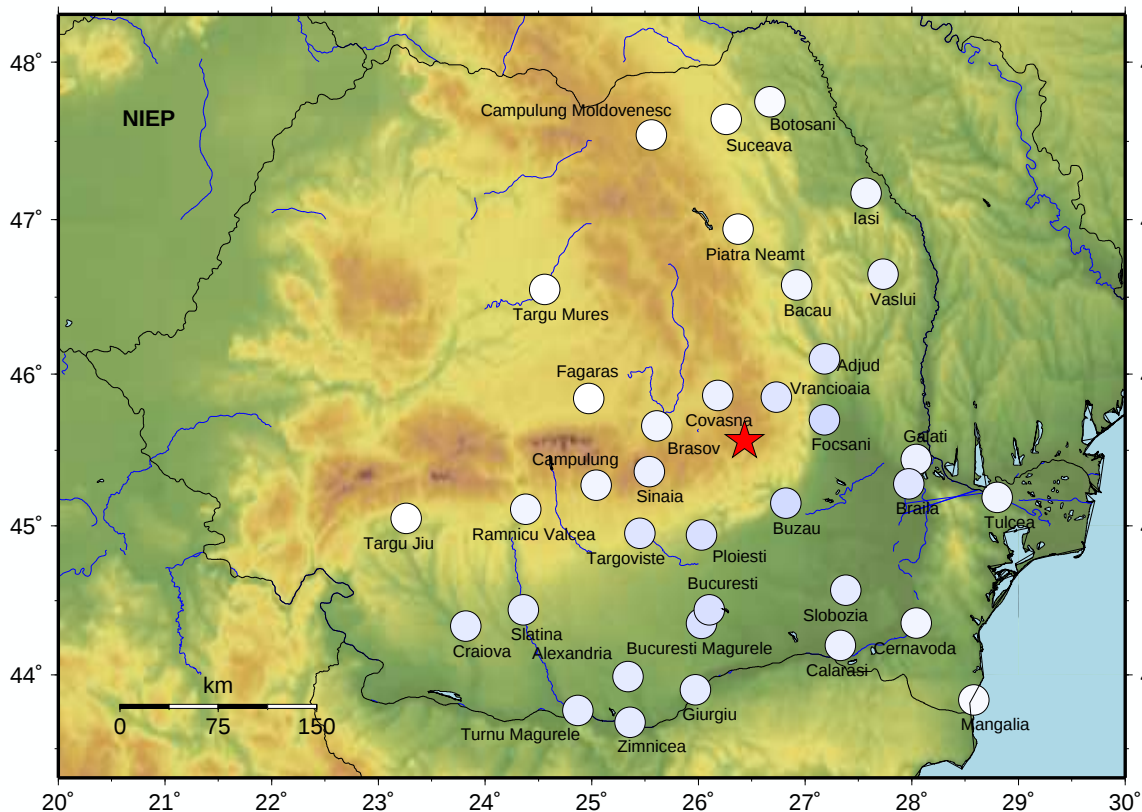
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Fault lines



Estimated intensities based on IPE::VS04_msk attenuation law

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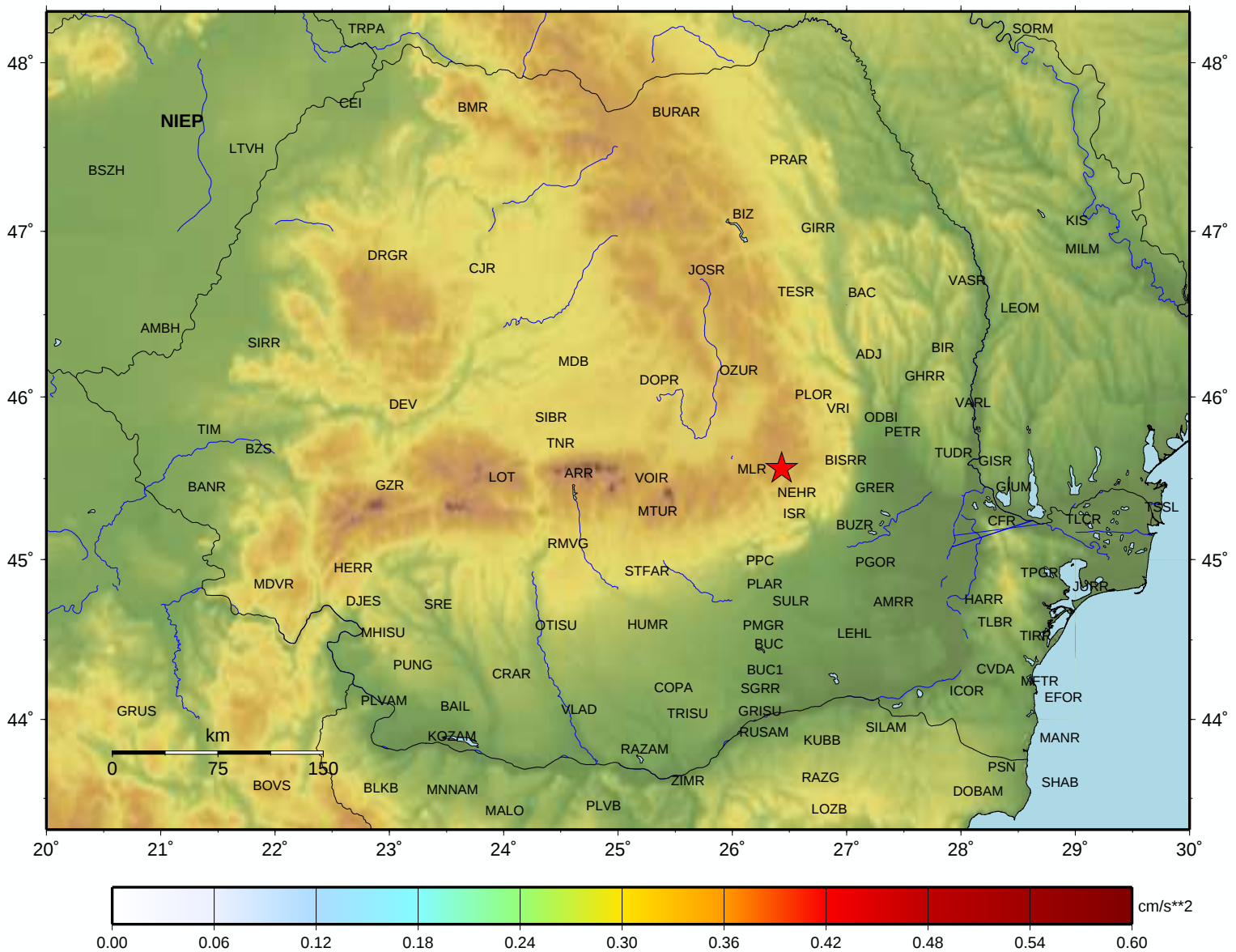
City	Distance(km)
Covasna	38
Vrancioaia	39
Buzau	55
Focsani	60
Brasov	65
Sinaia	73
Ploiesti	76
Adjud	83
Targoviste	102
Campulung	113
Fagaras	118
Bacau	119
Braila	124
Galati	126
Bucuresti	127
Slobozia	133
Bucuresti Magurele	138
Piatra Neamt	153
Vaslui	157
Calarasi	167
Ramnicu Valcea	168
Targu Mures	181
Cernavoda	185
Giurgiu	188
Tulcea	190
Alexandria	195
Iasi	198
Slatina	205
Zimnicea	225
Campulung M.	229
Suceava	231
Turnu Magurele	235
Botosani	243
Craiova	247
Targu Jiu	255
Mangalia	257

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: _

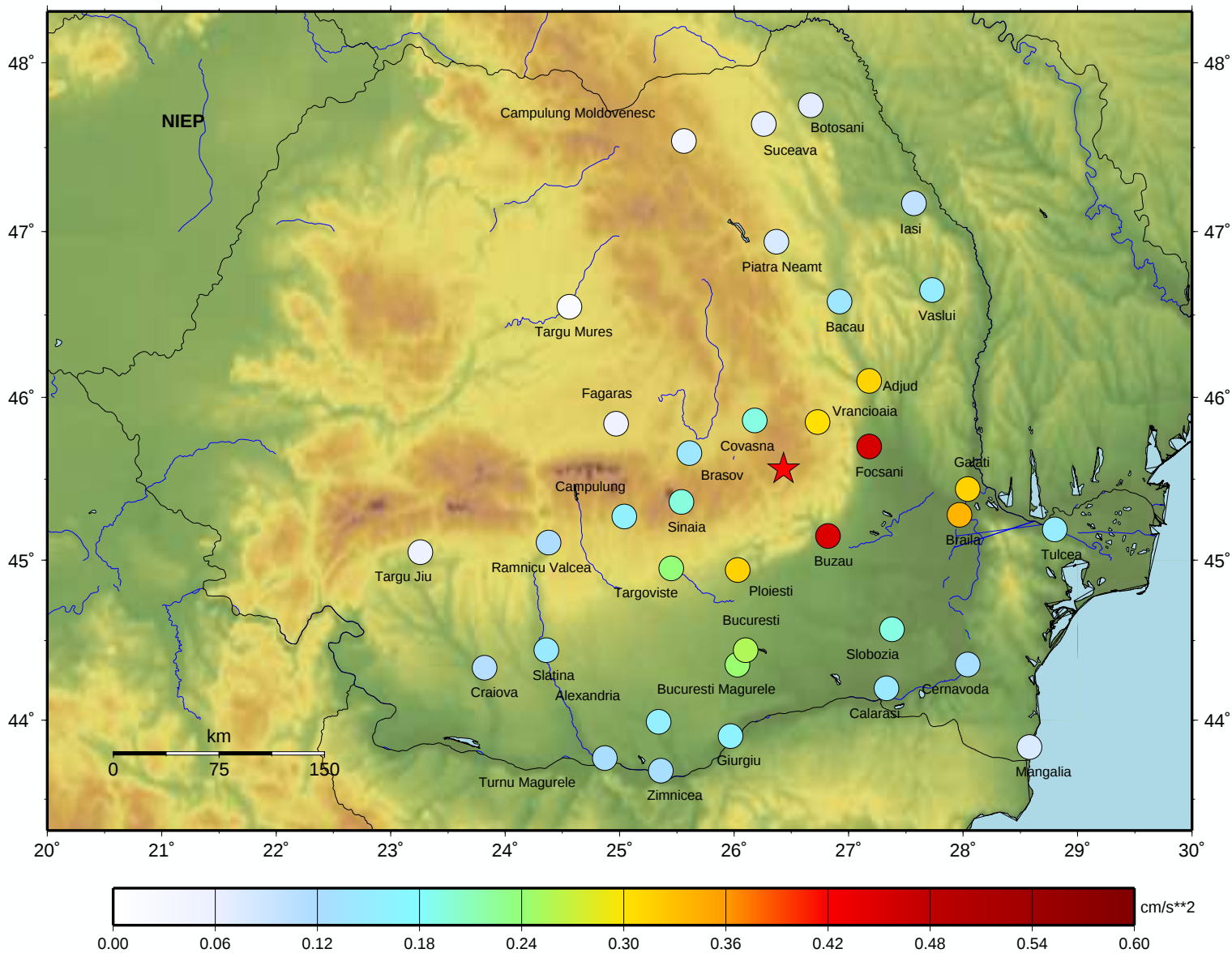
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Estimated accelerations based on GMPE::VS10 attenuation law

Maximum grid acceleration: 0.5042 (cm/sec**2); magnitude bias: 0.00

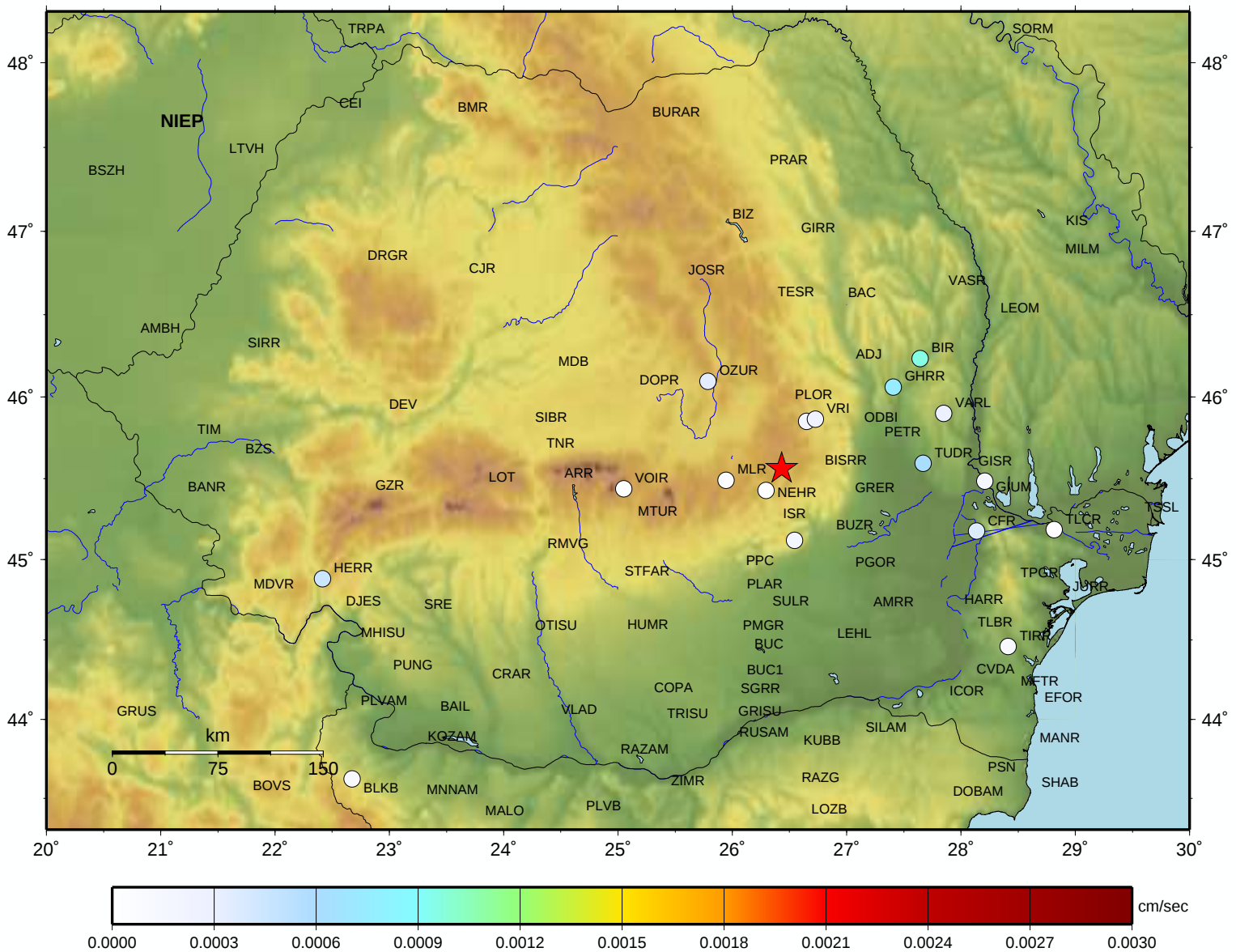
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Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: VLDR_HHN 0.0010

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Estimated velocities based on GMPE::VS10 attenuation law

Maximum grid velocity : 0.0005 (cm/sec); magnitude bias: -0.69

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