



National Institute for Earth Physics - Magurele

Seismic report - manual

Event local time: Sun Apr 18,2021 13:03:16

Romania - Event 18100316 - Vrancea seismic zone

Sun Apr 18, 2021 10:03:16 GMT ML 3.8 N45.48 E26.31 Depth: 134.1km ID:18100316

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

Romania – Event 18100316 – Vrancea seismic zone

Attenuation laws – GMPE::VS10 IPE::VS04_msk

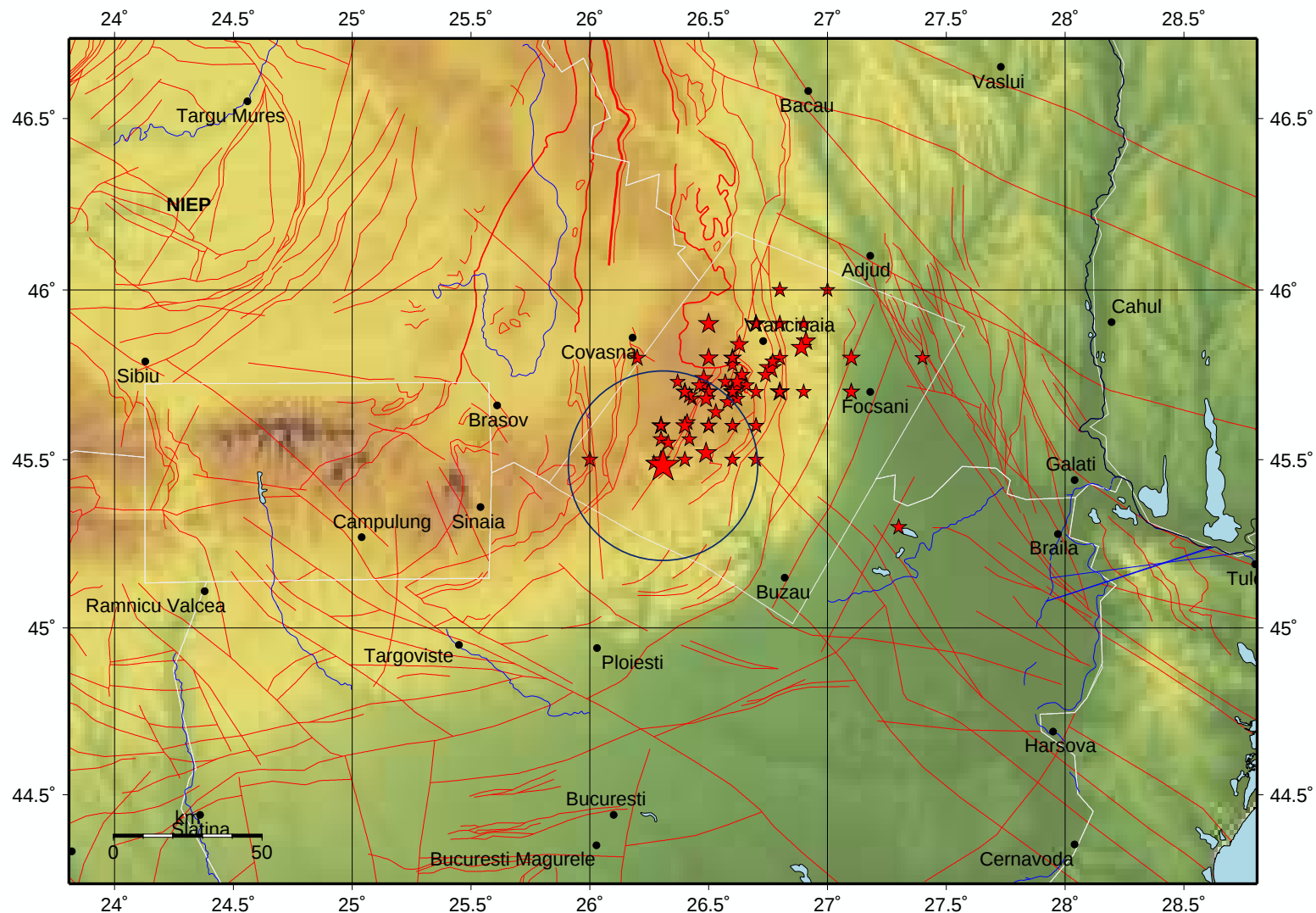
Max. grid values – pga: 1.28(cm/sec**) pgv: 0.00(cm/sec) mi: 2.3

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Local time

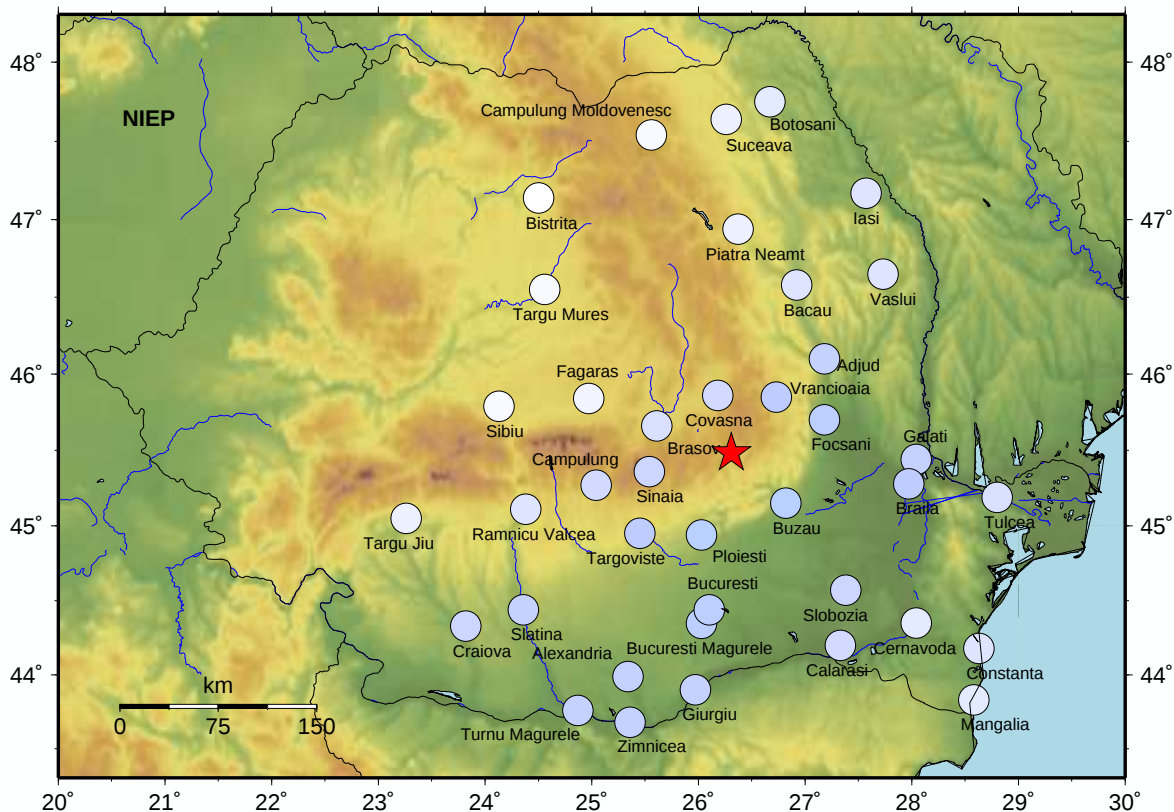
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Fault lines



Estimated intensities based on IPE::VS04_msk attenuation law

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City	Distance(km)
Covasna	43
Vrancioaia	52
Buzau	54
Brasov	57
Sinaia	61
Ploiesti	64
Focsani	72
Targoviste	89
Adjud	96
Campulung	102
Fagaras	111
Bucuresti	116
Bucuresti Magurele	127
Bacau	130
Slobozia	131
Braila	132
Galati	135
Ramnicu Valcea	156
Piatra Neamt	162
Calarasi	163
Vaslui	170
Sibiu	173
Giurgiu	177
Targu Mures	180
Alexandria	182
Cernavoda	185
Slatina	192
Tulcea	197
Iasi	211
Zimnicea	213
Turnu Magurele	222
Bistrita	231
Constanta	233
Craiova	234
Campulung M.	235
Suceava	239
Targu Jiu	244
Botosani	253
Mangalia	257

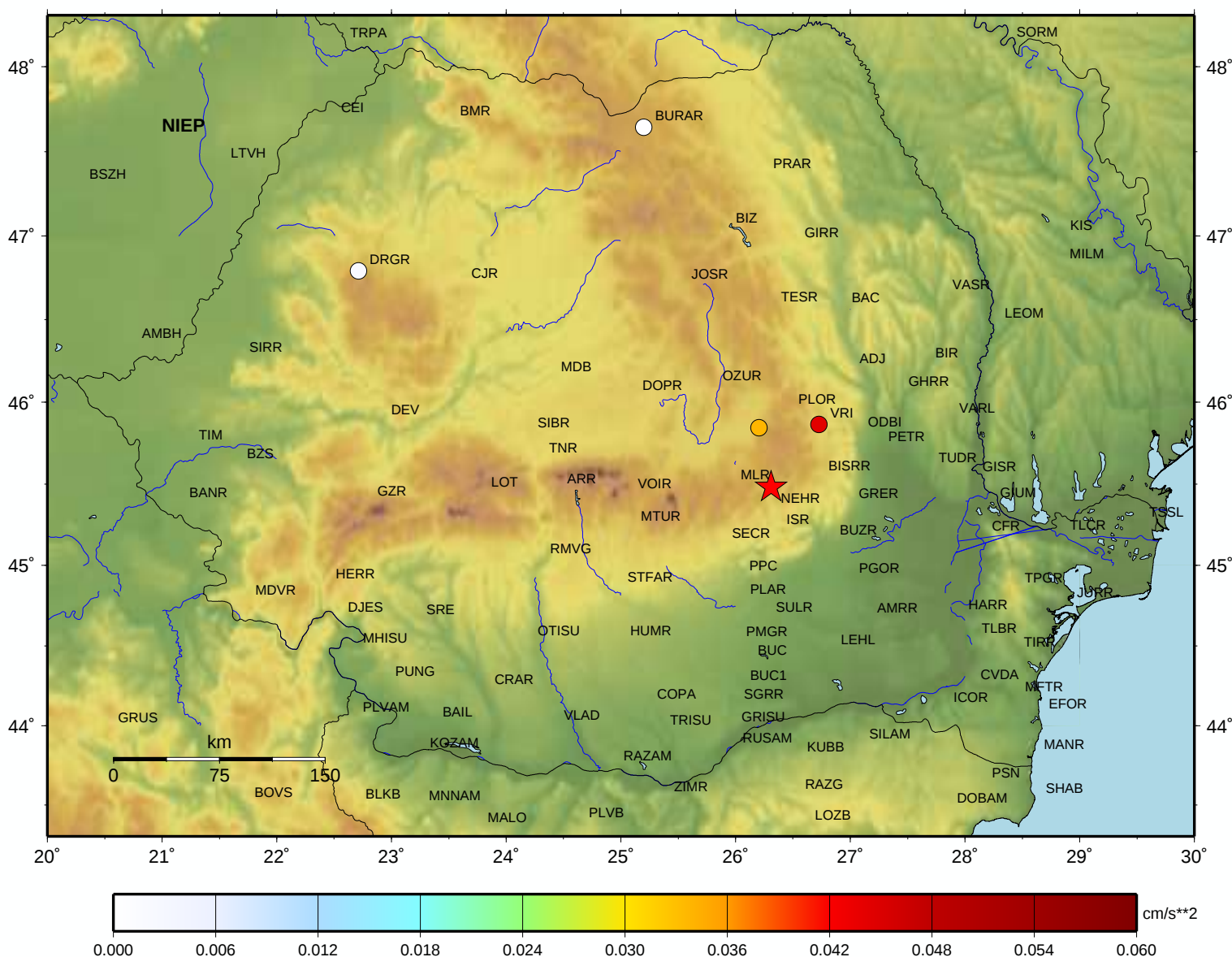
The largest accelerations recorded automatically by the seismic stations of "Instalatie de Interes National - Retea Seismica Nationala (IOSIN-RSN)"

Max. pga(cm/sec**2)		
VRI	HNE	0.04
COVR	HNN	0.03
DRGR	HNE	0.00
BURAR	BHE	0.00

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

Maximum observed acceleration: VRI_HNE 0.04

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Maximum observed velocity: VLDR_HHN 0.01

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