



National Institute for Earth Physics - Magurele

Seismic report - manual

Event local time: Mon Oct 12,2020 16:13:25

Romania - Event 12131325 - Vrancea seismic zone

Mon Oct 12, 2020 13:13:25 GMT ML 3.1 N45.62 E26.56 Depth: 131.0km ID:12131325

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 12131325 – Vrancea seismic zone

Attenuation laws – GMPE::VS10 IPE::VS04_msk

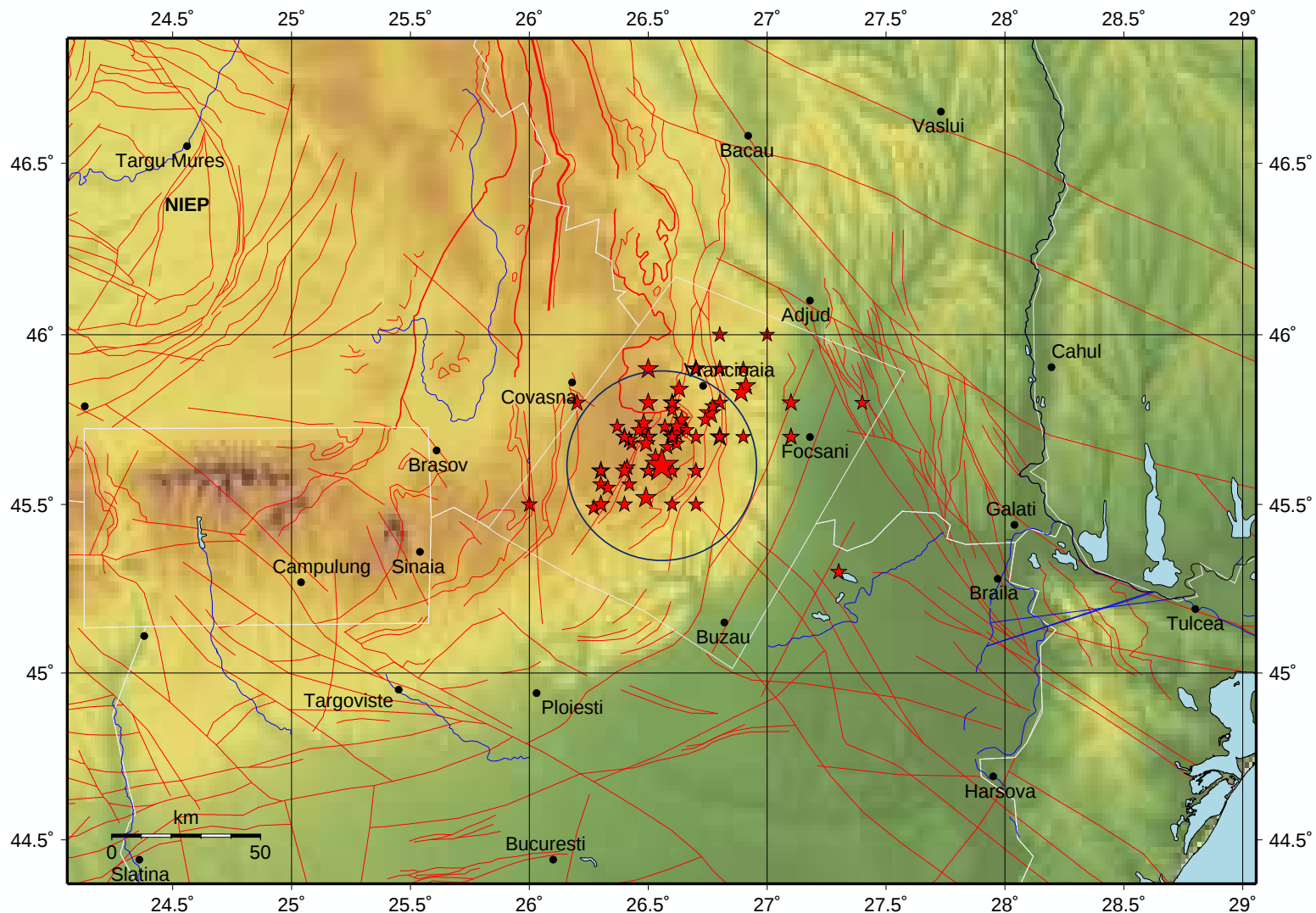
Max. grid values – pga: 0.29(cm/sec**) pgv: 0.00(cm/sec) mi: 1.6

Mon Oct 12, 2020 13:13:25 GMT ML 3.1 N45.62 E26.56 Depth: 131.0km ID:12131325 Mw 3.1

Local time

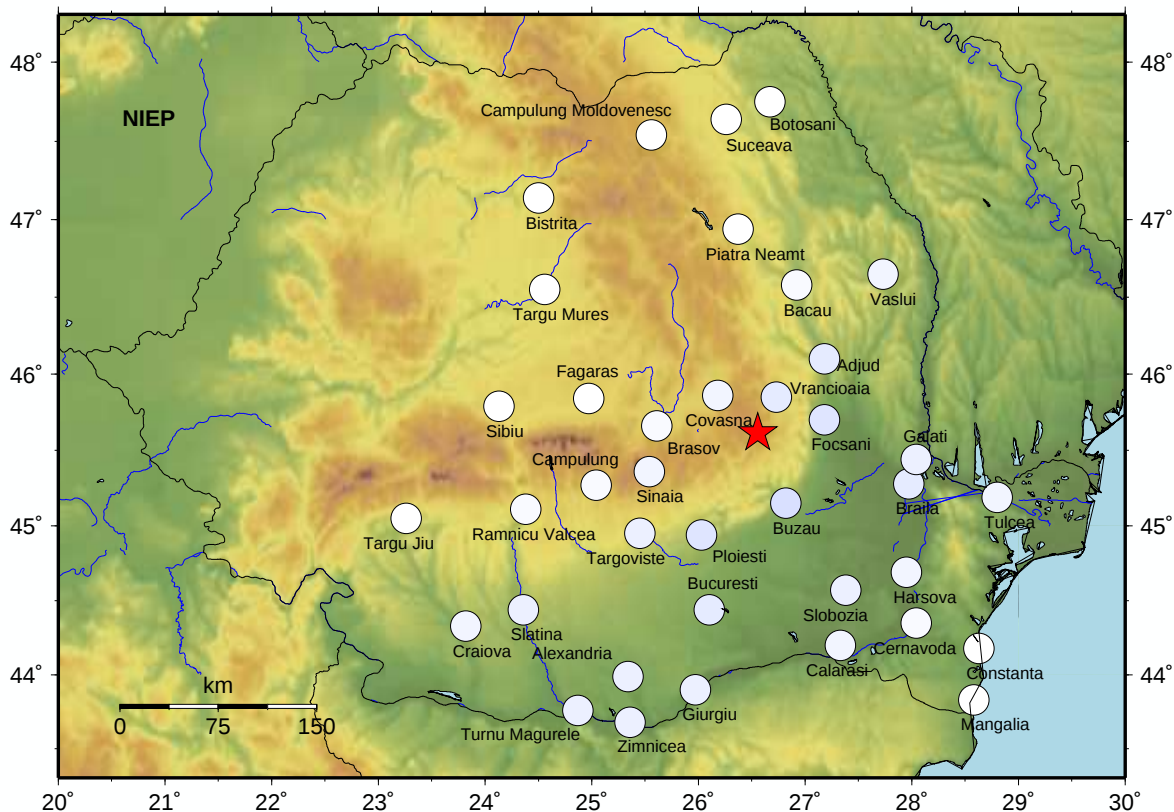
Mon Oct 12, 2020 16:13:25

Fault lines



Estimated intensities based on IPE::VS04_msk attenuation law

Mon Oct 12, 2020 13:13:25 GMT ML 3.1 N45.62 E26.56 Depth: 131.0km ID:12131325



City	Distance(km)
Vrancioaia	29
Covasna	40
Focsani	49
Buzau	55
Adjud	72
Brasov	73
Sinaia	84
Ploiesti	85
Bacau	110
Targoviste	114
Braila	116
Galati	117
Campulung	124
Fagaras	126
Slobozia	133
Bucuresti	135
Vaslui	146
Piatra Neamt	147
Harsova	150
Calarasi	168
Ramnicu Valcea	179
Tulcea	181
Cernavoda	182
Targu Mures	186
Sibiu	189
Giurgiu	196
Alexandria	204
Slatina	216
Suceava	226
Campulung M.	227
Constanta	228
Bistrita	231
Zimnicea	235
Botosani	237
Turnu Magurele	245
Mangalia	255
Craiova	258
Targu Jiu	265

Max. pga (cm/sec**2)		
VRI	HNE	0.01

Maximum observed acceleration: VRI_HNE -0.01

The map displays the Taurus region, characterized by its mountainous terrain. Major cities and towns are labeled, including Diyarbakir, Gaziantep, and Latakia. The map uses a color scale to represent elevation, with a legend at the bottom showing values from 0.000 to 0.030 cm/s**2. A red star indicates the location of the study site, situated near the city of Diyarbakir. The map also shows the Mediterranean Sea to the south and the Taurus mountain range to the north.

Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: BISRR_HHE 0.00

Mon Oct 12, 2020 13:13:25 GMT ML 3.1 N45.62 E26.56 Depth: 131.0km ID:12131325

