



National Institute for Earth Physics - Magurele

## Seismic report - manual

Event local time: Mon May 24,2021 01:33:21

Romania - Event 23223321 - Vrancea seismic zone

Sun May 23, 2021 22:33:21 GMT ML 3.0 N45.78 E26.67 Depth: 69.6km ID:23223321

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 23223321 – Vrancea seismic zone

Attenuation laws – GMPE::VS10 IPE::VS04\_msk

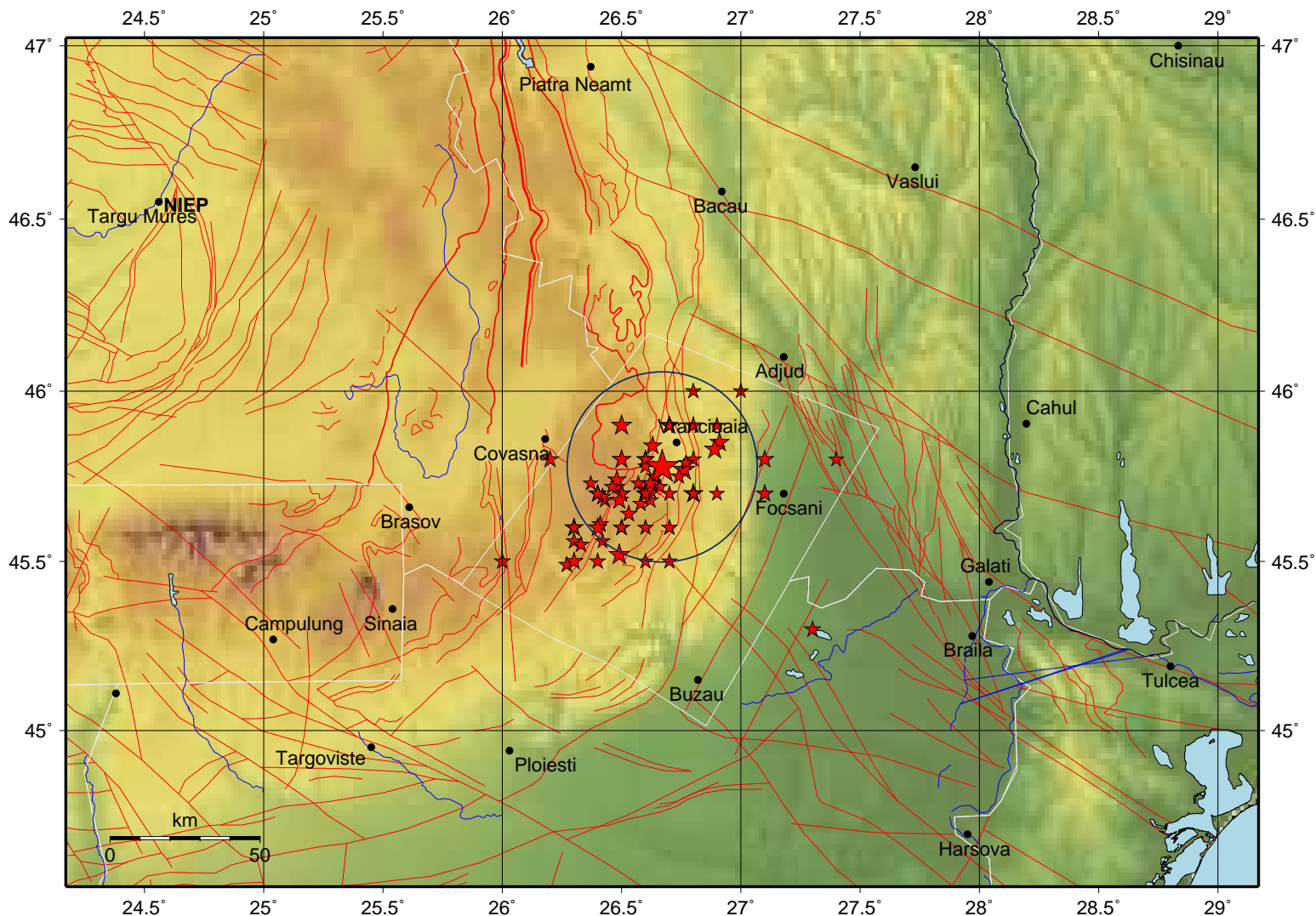
Max. grid values – pga: 0.69(cm/sec\*\*) pgv: 0.01(cm/sec) mi: 1.7

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Local time

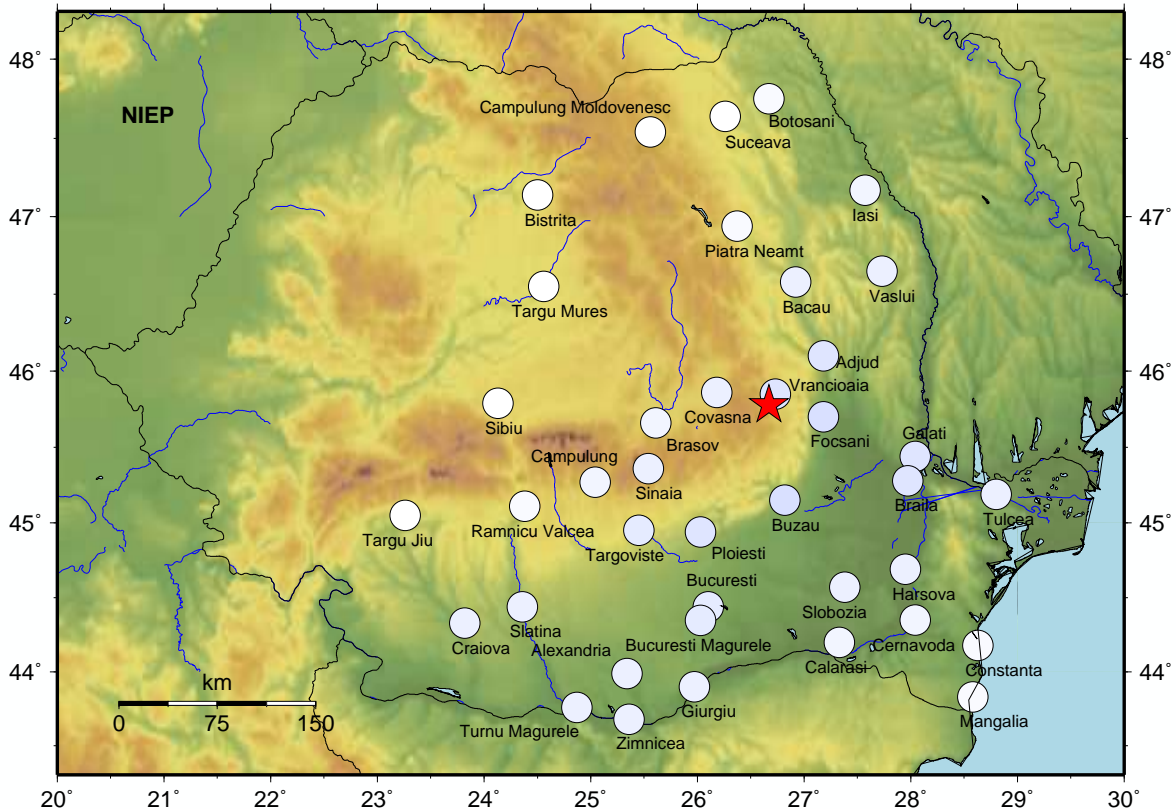
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Fault lines ———



### Estimated intensities based on IPE::VS04\_msk attenuation law

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City	Distance(km)
Vrancea	9
Covasna	39
Focsani	40
Adjud	53
Buzau	70
Brasov	83
Bacau	91
Sinaia	99
Ploiesti	105
Galati	113
Braila	115
Vaslui	126
Piatra Neamt	131
Targoviste	132
Campulung	139
Slobozia	145
Bucuresti	155
Harsova	157
Bucuresti Magurele	166
Iasi	169
Tulcea	178
Calarasi	182
Targu Mures	184
Cernavoda	191
Ramnicu Valcea	193
Sibiu	197
Suceava	209
Campulung M.	213
Giurgiu	215
Botosani	219
Alexandria	224
Bistrita	225
Slatina	234
Constanta	235
Zimnicea	255
Mangalia	264
Turnu Magurele	265
Craiova	276
Targu Jiu	278

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+

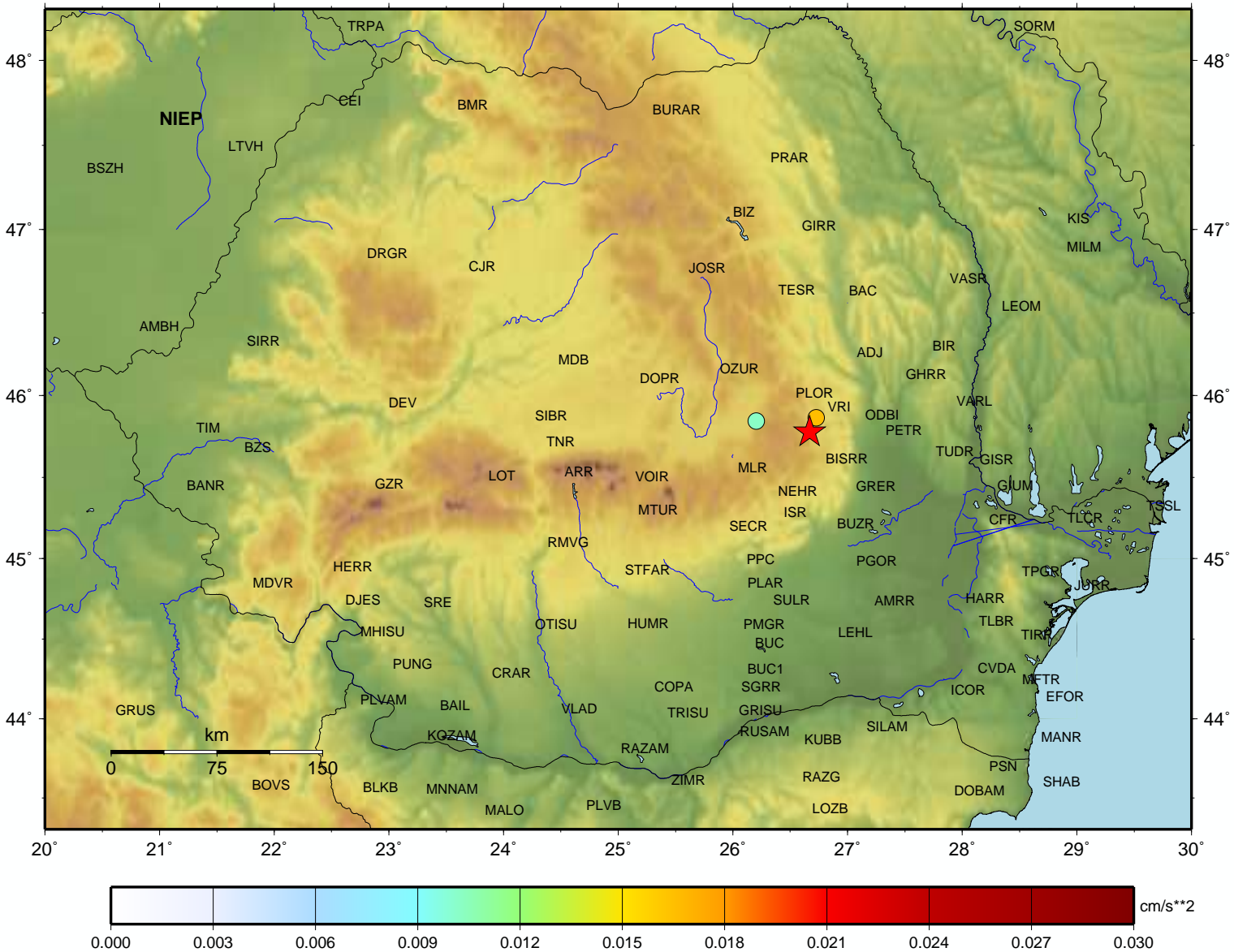
The largest accelerations recorded automatically by the seismic stations of "Instalatie de Interes National - Retea Seismica Nationala (IOSIN-RSN)"

Max. pga (cm/sec\*\*2)  
 VRI HNE 0.02  
 COVR HNN 0.01

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

Maximum observed acceleration: VRI\_HNE 0.02

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### Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: HUMR\_HHN 0.01

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