



National Institute for Earth Physics - Magurele

Seismic report - manual

Event local time: Sat Apr 25,2020 01:04:18

Romania - Event 24220418 - Vrancea seismic zone

Fri Apr 24, 2020 22:04:18 GMT ML 5.0 N45.90 E27.47 Depth: 21.6km ID:24220418

Seismicity of Romania - latest large crustal earthquakes

Date	Time	Lon	Lat	Depth	Mw
22-Nov-2014	19:14:17	27.15	45.87	40.9	5.4
03-Oct-2004	09:02:04	28.92	45.21	3.7	4.7
02-Dec-1991	08:49:41	21.12	45.45	9.0	5.5
18-Jul-1991	11:56:31	22.35	44.90	12.0	5.6
12-Jul-1991	10:42:21	21.05	45.38	11.0	5.6
01-Apr-1988	07:15:44	27.70	47.90	17.0	4.2
19-Jul-1987	02:18:56	27.79	45.55	15.0	4.4
13-Nov-1981	09:07:08	29.00	45.17	15.0	5.1
11-Sep-1980	23:24:25	28.03	45.32	20.4	4.2
07-Jun-1979	21:20:36	27.41	45.83	31.6	4.1

Source: ROMPLUS Catalogue

Romania – Event 24220418 – Vrancea seismic zone

Attenuation laws – GMPE::BJF97 IPE::TA09_mmi

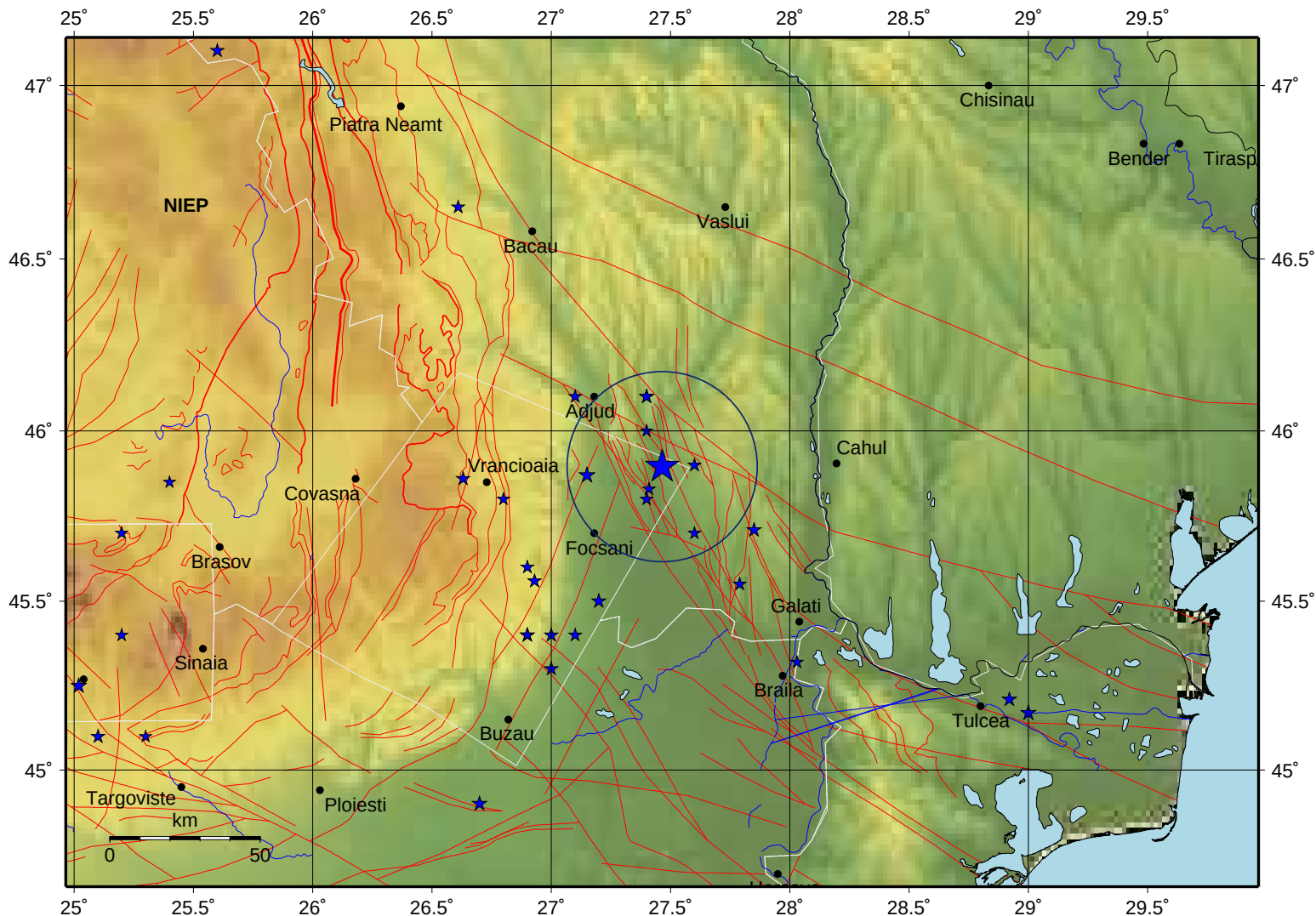
Max. grid values – pga: 9.0183(%g) pgv: 1.6296(cm/sec) mi: 4.8

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Local time

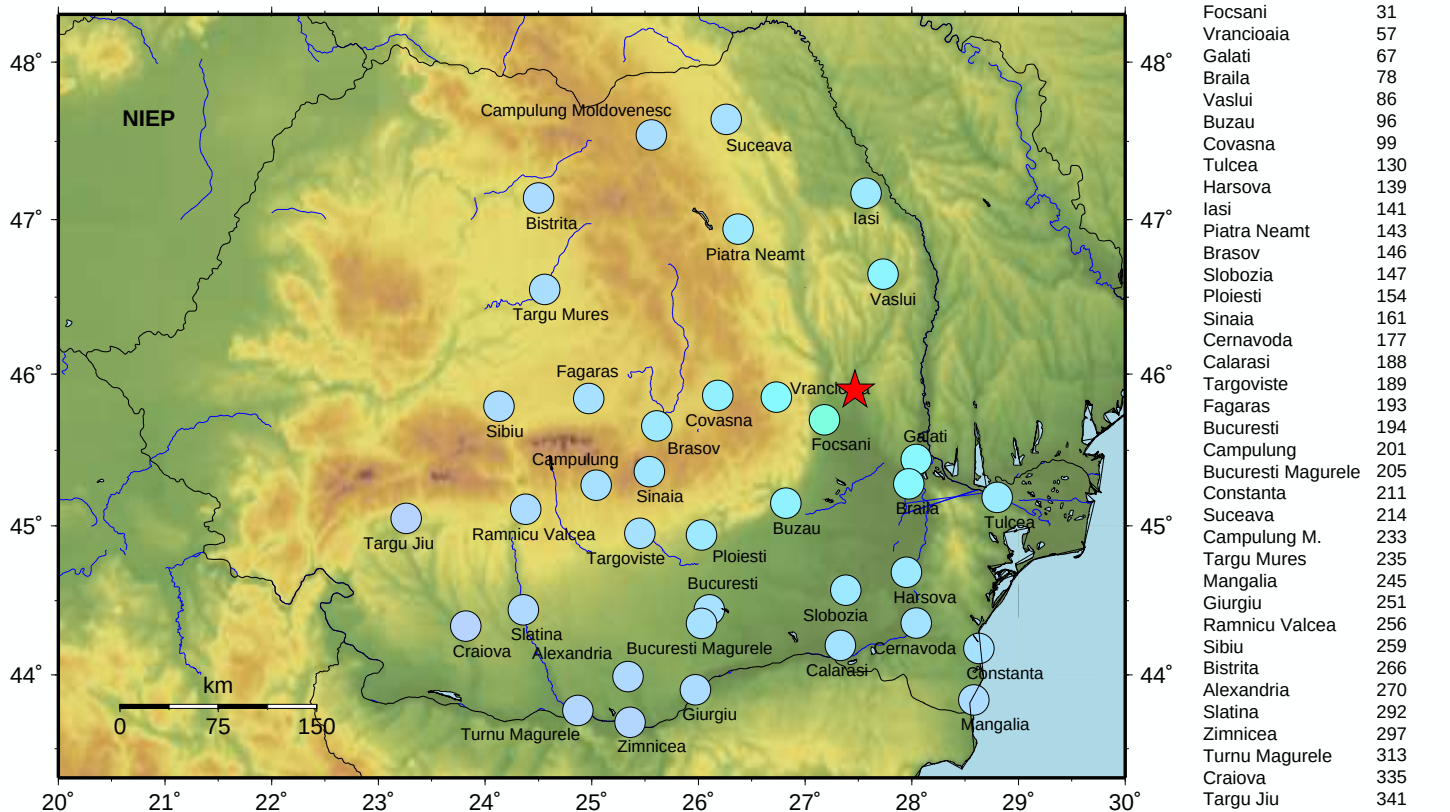
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Fault lines



Estimated intensities based on IPE::TA09_mmi attenuation law

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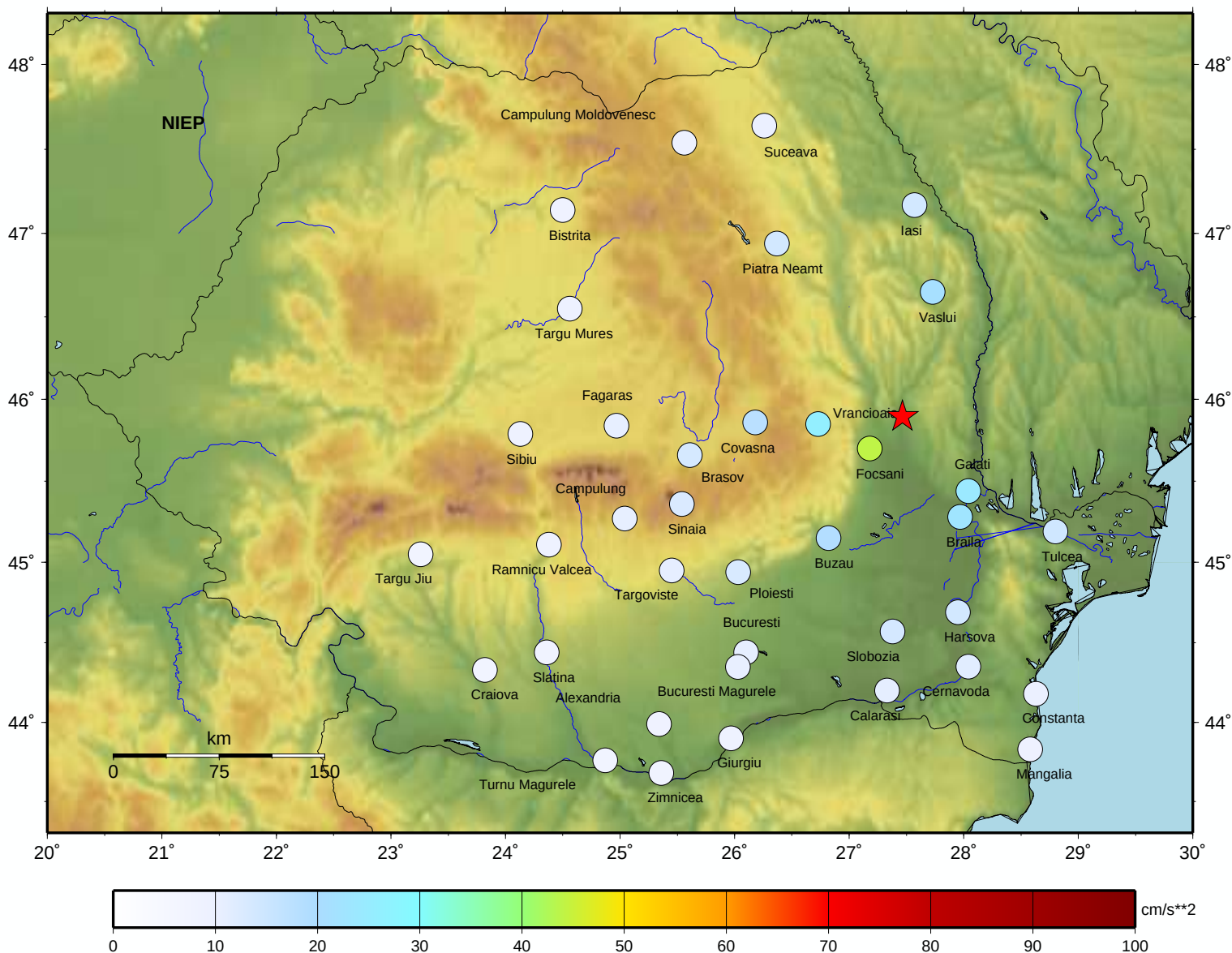
Maximum observed acceleration: BURAR_BHE -0.0434



Estimated accelerations based on GMPE::BJF97 attenuation law

Maximum grid acceleration: 88.4695 (cm/sec**2); magnitude bias: 0.00

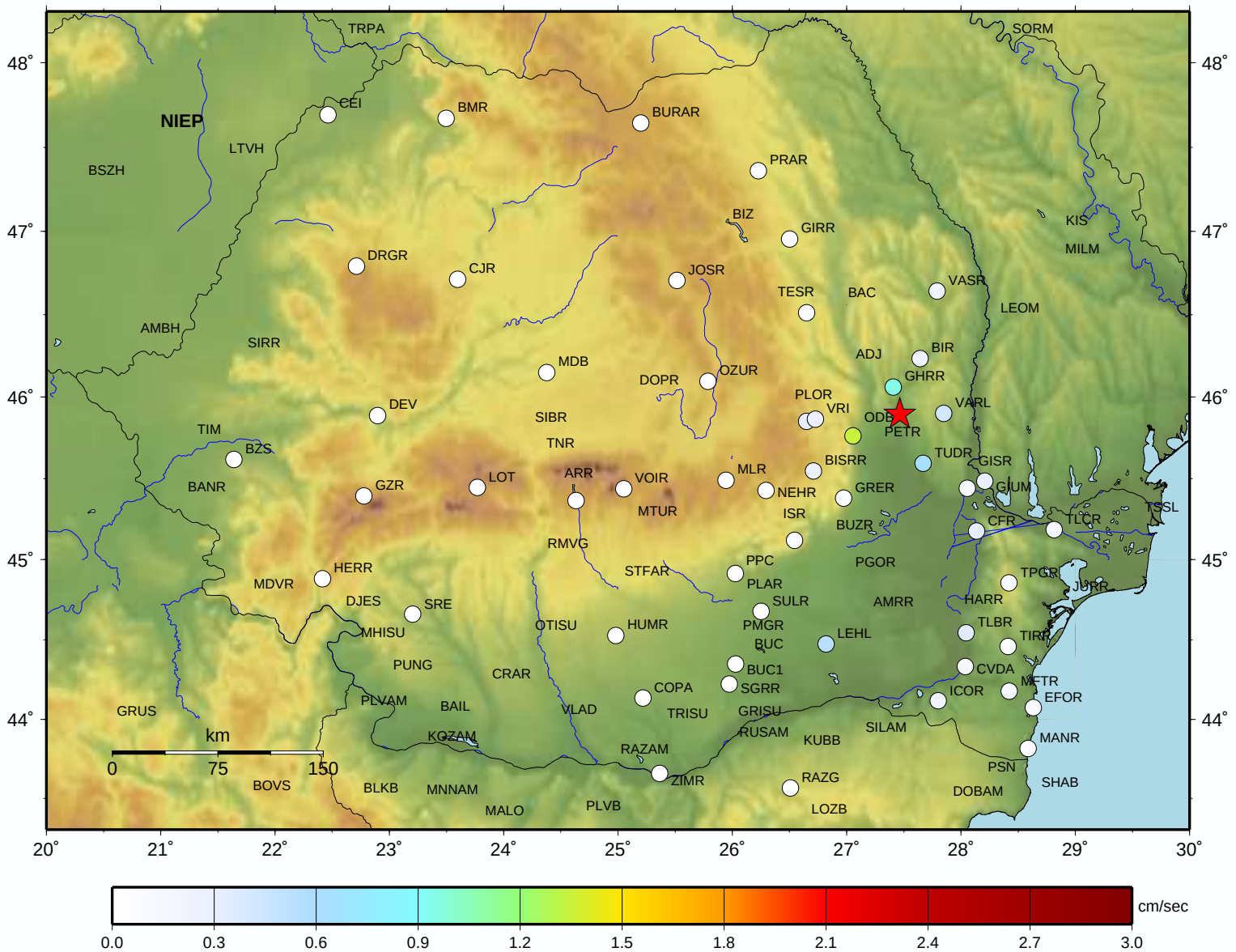
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Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: COSR_HHN 2.6670

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Estimated velocities based on GMPE::BJF97 attenuation law

Maximum grid velocity : 1.6296 (cm/sec); magnitude bias: -0.76

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