



National Institute for Earth Physics - Magurele

Moment magnitude and waveform measurements - manual

Romania - Event 14 Zona seismica Vrancea

Event local time: Mon May 25,2020 15:44:47

Mon May 25,2020 12:44:47 GMT N45.74 E26.73 Ml: 3.3 Depth: 102km ID: 38

Measurements are performed on data extracted and processed by an operator

ML: 3.26 Mw: 2.91 netm0: 0.322E+14 netf0: 1.68 neteqR: 1.00 Nsta: 1

Station moment magnitude estimates - dbmw

sta	chanw	mw	m0	f0	eqR	timePmw	Pmw	timeSmw	Smw	seg
MLR	HHT	2.9	0.322E+14	1.68	1.00	12:45:05	db	12:45:18	db	V

Waveform measurements

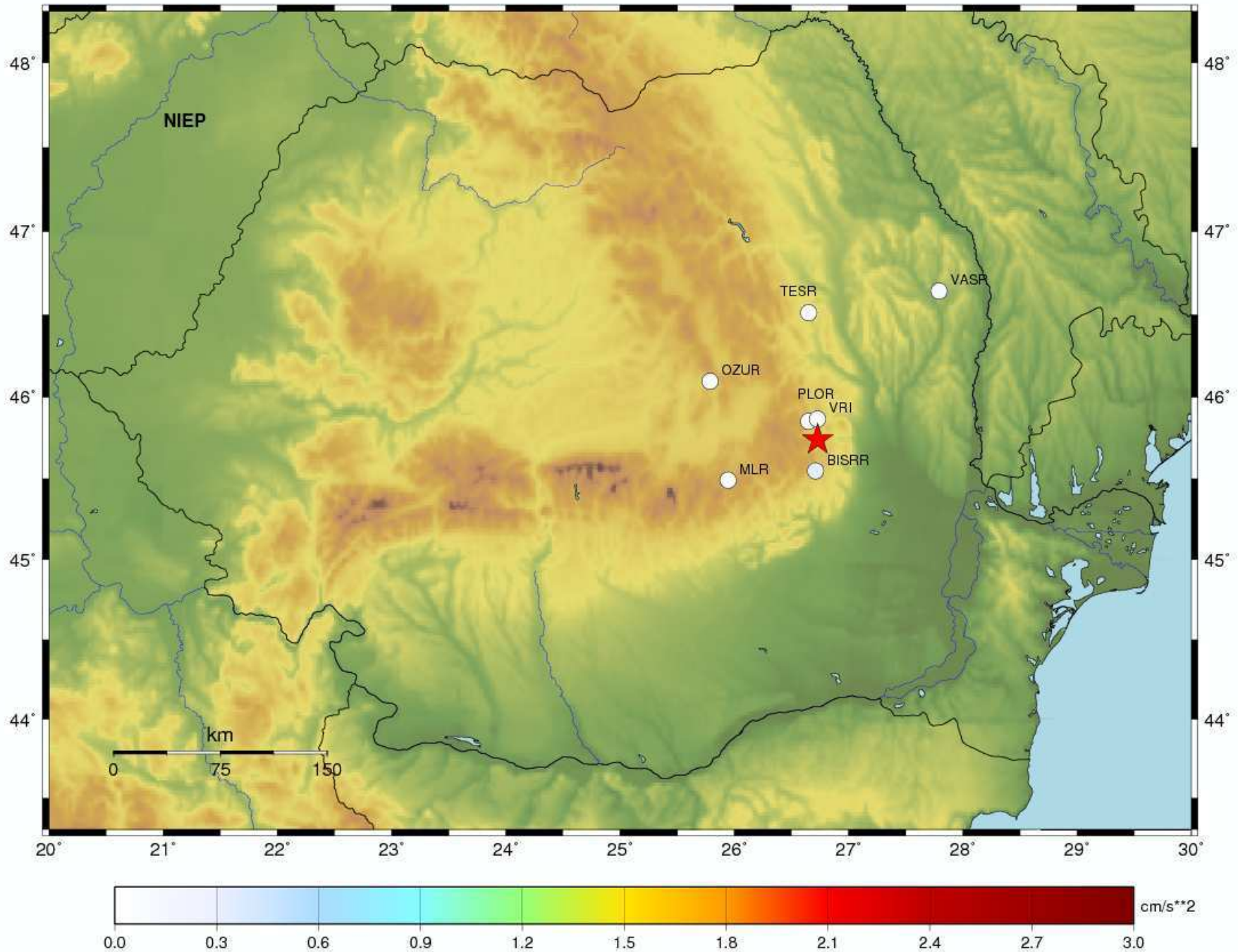
sta	chan	d(km)	ml	pga	pgv	psa03	psa10	psa30	Arias	Housner
BISRR	HHZ	21		0.34	0.00	0.02	0.01		0.0000	0.0045
COVR	HHZ	42	2.8	0.03	0.00	0.00	0.00		0.0000	0.0003
MLR	HHZ	67	3.2	0.00	0.00	0.01	0.00			0.0004
MLR	HHN	67	3.2	0.00	0.00	0.01	0.00			0.0006
MLR	HHE	67	3.2	0.00	0.00	0.00	0.00			0.0007
OZUR	HHN	83	3.1	0.09	0.00	0.01	0.00		0.0000	0.0014
PLOR	HHZ	13	2.5	0.02	0.00	0.00	0.00			0.0007
PLOR	HHN	13	2.5	0.01	0.00	0.01	0.00			0.0008
TESR	HHN	85	3.3	0.02	0.00	0.01	0.00			0.0009
VASR	HHE	128		0.15	0.00	0.02	0.01	0.00	0.0001	0.0039
VRI	HHZ	13	2.7	0.04	0.00	0.01	0.00			0.0011
VRI	HHE	13	2.7	0.03	0.00	0.03				0.0016
BOSR	HHZ	90		0.79	0.01	0.04	0.00		0.0001	0.0102
BOSR	HHN	90		1.43	0.01	0.04	0.01		0.0004	0.0172

Units: pgv: cm/sec, pga,psa03,psa10,psa30: cm/sec^2 Arias: cm/sec Housner: cm

Antelope dbmw – observed stations accelerations (cm/sec**2)

Maximum acceleration: BOSR 1.4290

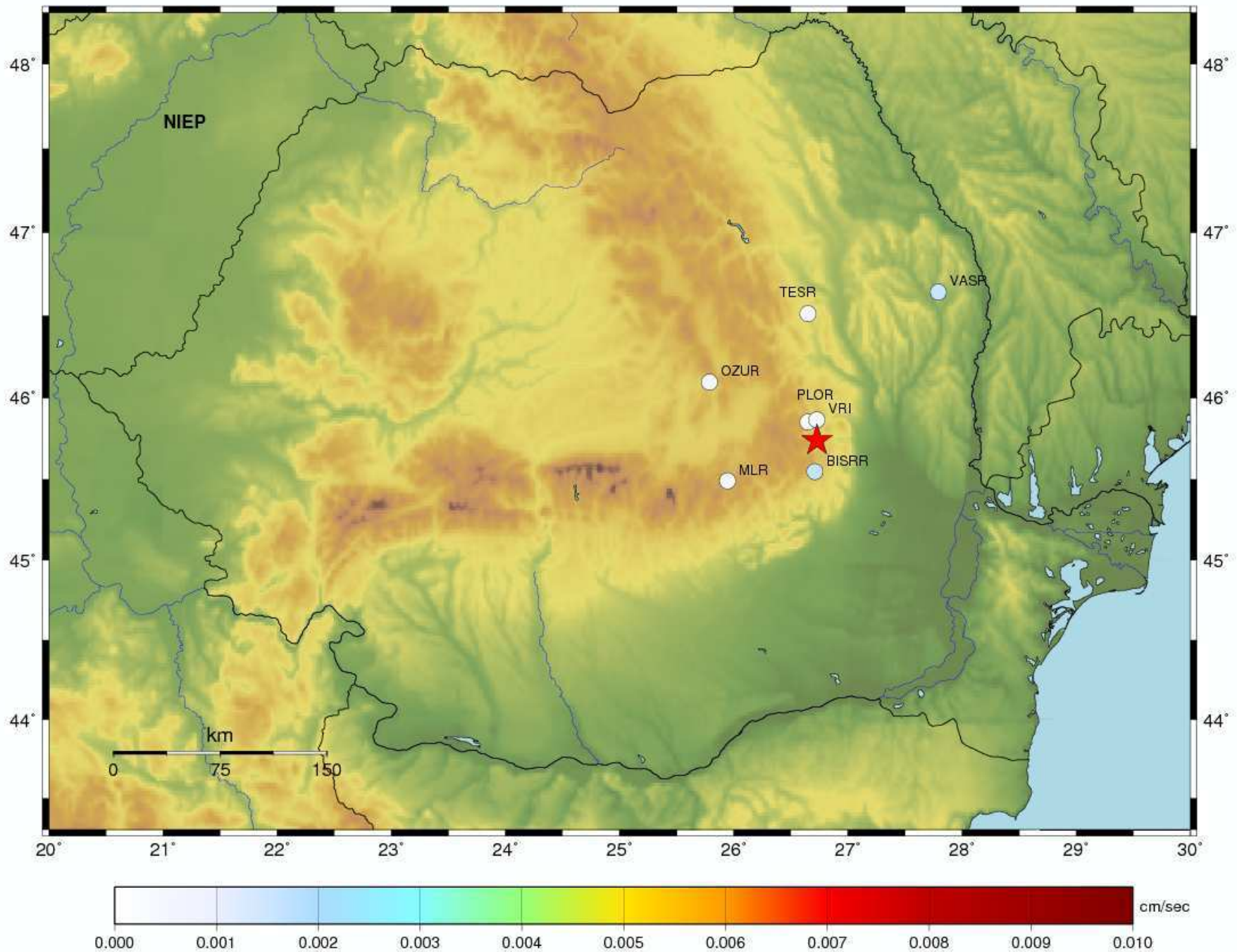
Mon May 25,2020 12:44:47 GMT M: 3.26 Mw: 2.91 N45.74 E26.73 Depth: 102 km ID: 38



Antelope dbmw – observed stations velocities (cm/sec)

Maximum velocity: BOSR 0.0093

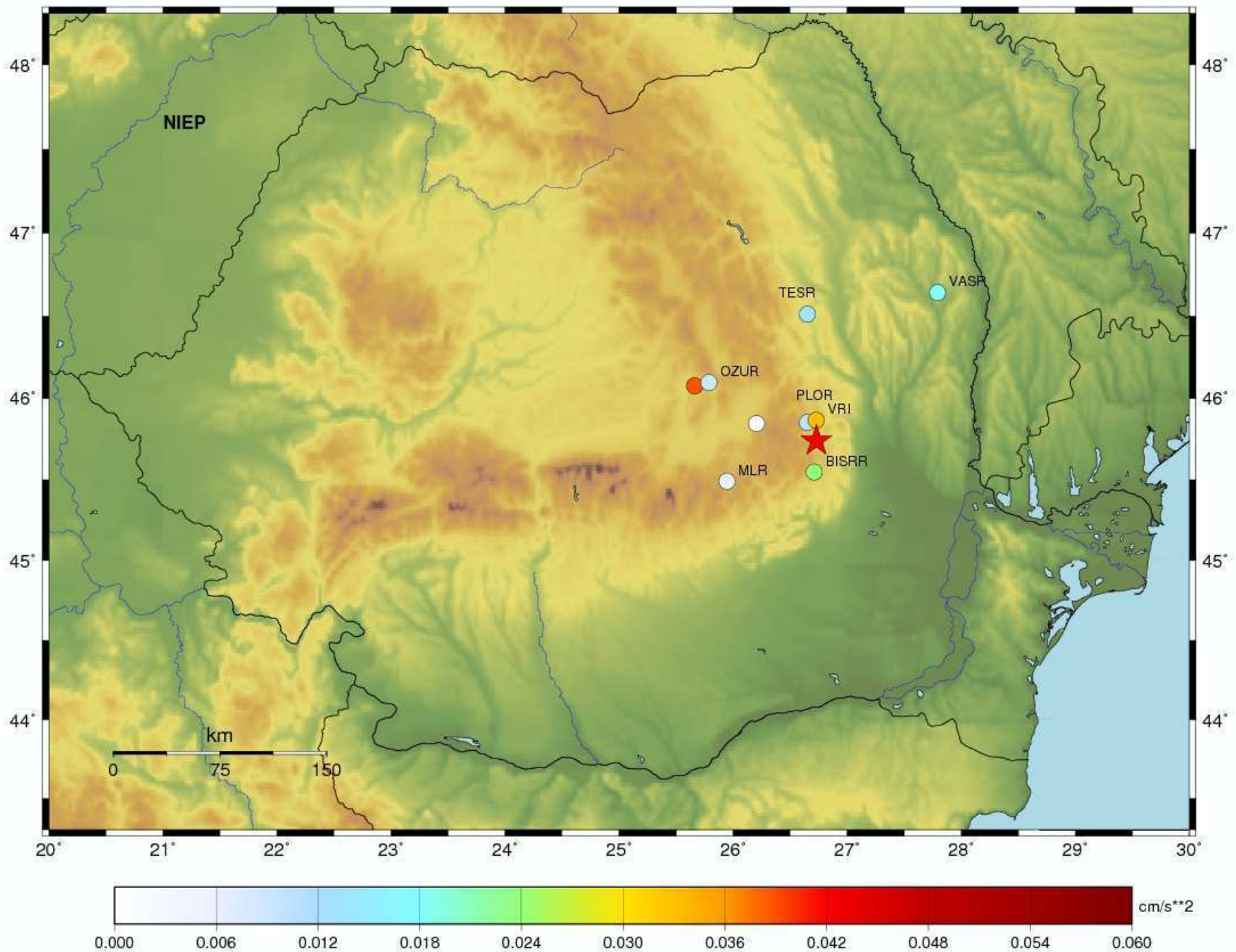
Mon May 25, 2020 12:44:47 GMT M: 3.26 Mw: 2.91 N45.74 E26.73 Depth: 102 km ID: 38



Antelope dbmw – observed stations PSA03 (cm/sec**2)

Maximum PSA03: BOSR 0.0387

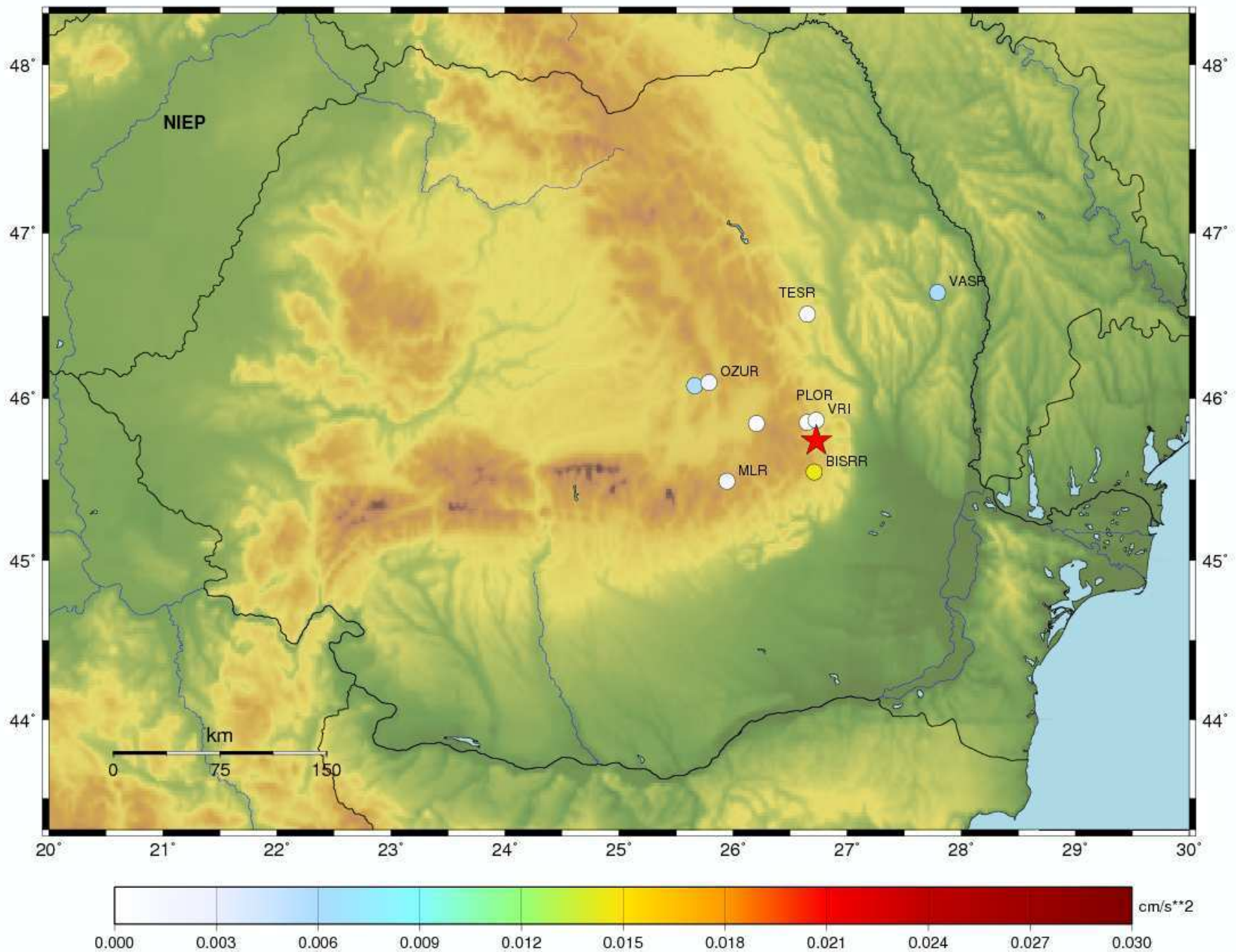
Mon May 25,2020 12:44:47 GMT M: 3.26 Mw: 2.91 N45.74 E26.73 Depth: 102 km ID: 38



Antelope dbmw – observed stations PSA10 (cm/sec**2)

Maximum PSA10: BISRR 0.0144

Mon May 25,2020 12:44:47 GMT M: 3.26 Mw: 2.91 N45.74 E26.73 Depth: 102 km ID: 38



Antelope dbmw – observed stations PSA30 (cm/sec**2)

Maximum PSA30: VASR 0.0008

Mon May 25,2020 12:44:47 GMT M: 3.26 Mw: 2.91 N45.74 E26.73 Depth: 102 km ID: 38

