



National Institute for Earth Physics - Magurele

Moment magnitude and waveform measurements - manual

Romania - Event 33 Zona seismica Vrancea

Event local time: Sat Feb 29,2020 22:12:42

Sat Feb 29,2020 20:12:42 GMT N45.77 E26.65 Ml: 3.2 Depth: 111km ID: 189

Measurements are performed on data extracted and processed by an operator

ML: 3.16 Mw: 2.89 netm0: 0.588E+16 netf0: 3.69 neteqR: 3.12 Nsta: 4

Station moment magnitude estimates - dbmw

sta	chamw	mw	m0	f0	eqR	timePmw	Pmw	timeSmw	Smw	seg
COVR	HHT	2.2	0.251E+13	9.05	0.19	20:12:58	db	20:13:11	db	V
PLOR	HHT	2.3	0.454E+13	2.36	0.71	20:12:58	db	20:13:09	db	V
VRI	HHT	2.2	0.326E+13	3.19	0.53	20:12:58	db	20:13:09	db	V
BOSR	HHT	4.8	0.235E+17	0.15	11.04	20:13:01	synt	20:13:16	db	V

Waveform measurements

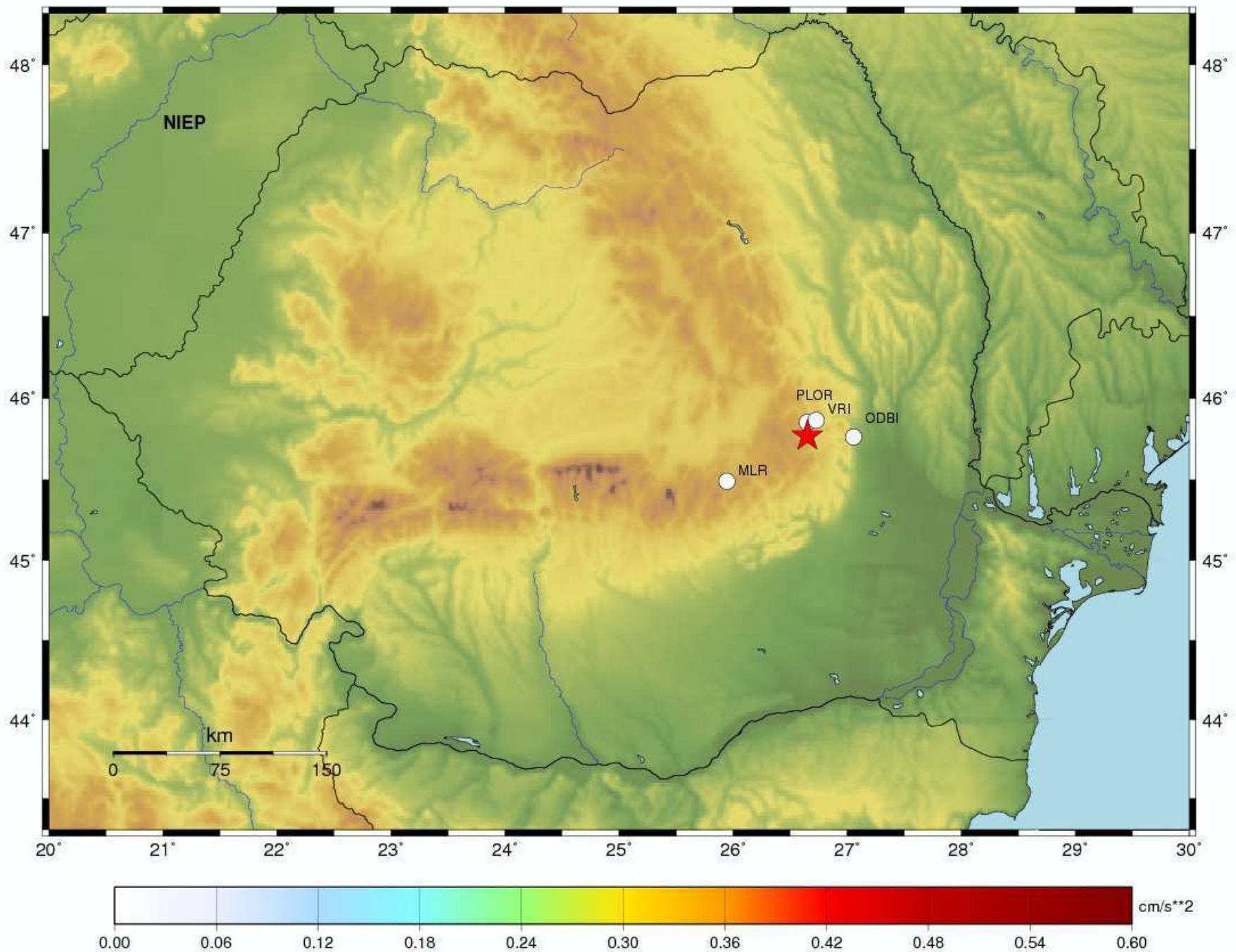
sta	chan	d(km)	ml	pga	pgv	psa03	psa10	psa30	Arias	Housner
COVR	HHZ	35	2.8	0.02	0.00	0.00	0.00			0.0004
COVR	HHN	35	2.8	0.11	0.00	0.00	0.00		0.0000	0.0007
COVR	HHE	35	2.8	0.10	0.00	0.00	0.00		0.0000	0.0009
MLR	HHN	62	3.1	0.00	0.00	0.00				0.0004
ODBI	HHN	31	3.0	0.03	0.00	0.01	0.00		0.0000	0.0015
PLOR	HHN	8	2.6	0.01	0.00	0.02				0.0014
PLOR	HHE	8	2.6	0.01	0.00	0.01				0.0013
VRI	HHN	12	2.8	0.01	0.00	0.01				0.0008
VRI	HHE	12	2.8	0.02	0.00	0.05	0.00			0.0024
BOSR	HHN	83	3.1	0.45	0.00	0.04	0.02	0.01	0.0000	0.0065
BOSR	HHE	83	3.1	0.21	0.00	0.02	0.01	0.00	0.0000	0.0031

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 0.4534

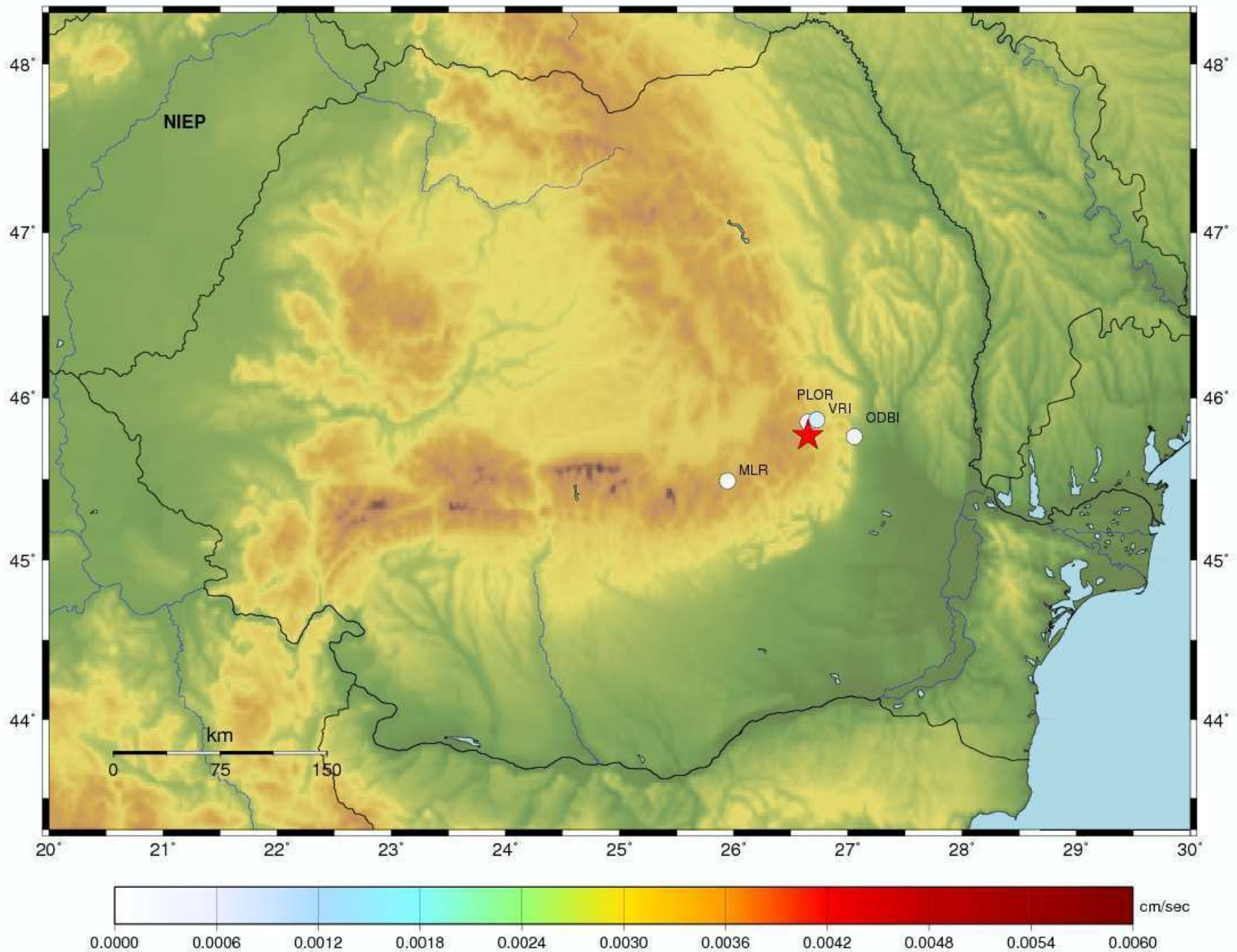
Sat Feb 29, 2020 20:12:42 GMT M: 3.16 Mw: 2.89 N45.77 E26.65 Depth: 111 km ID: 189



Antelope dbmw – observed stations velocities (cm/sec)

Maximum velocity: BOSR 0.0032

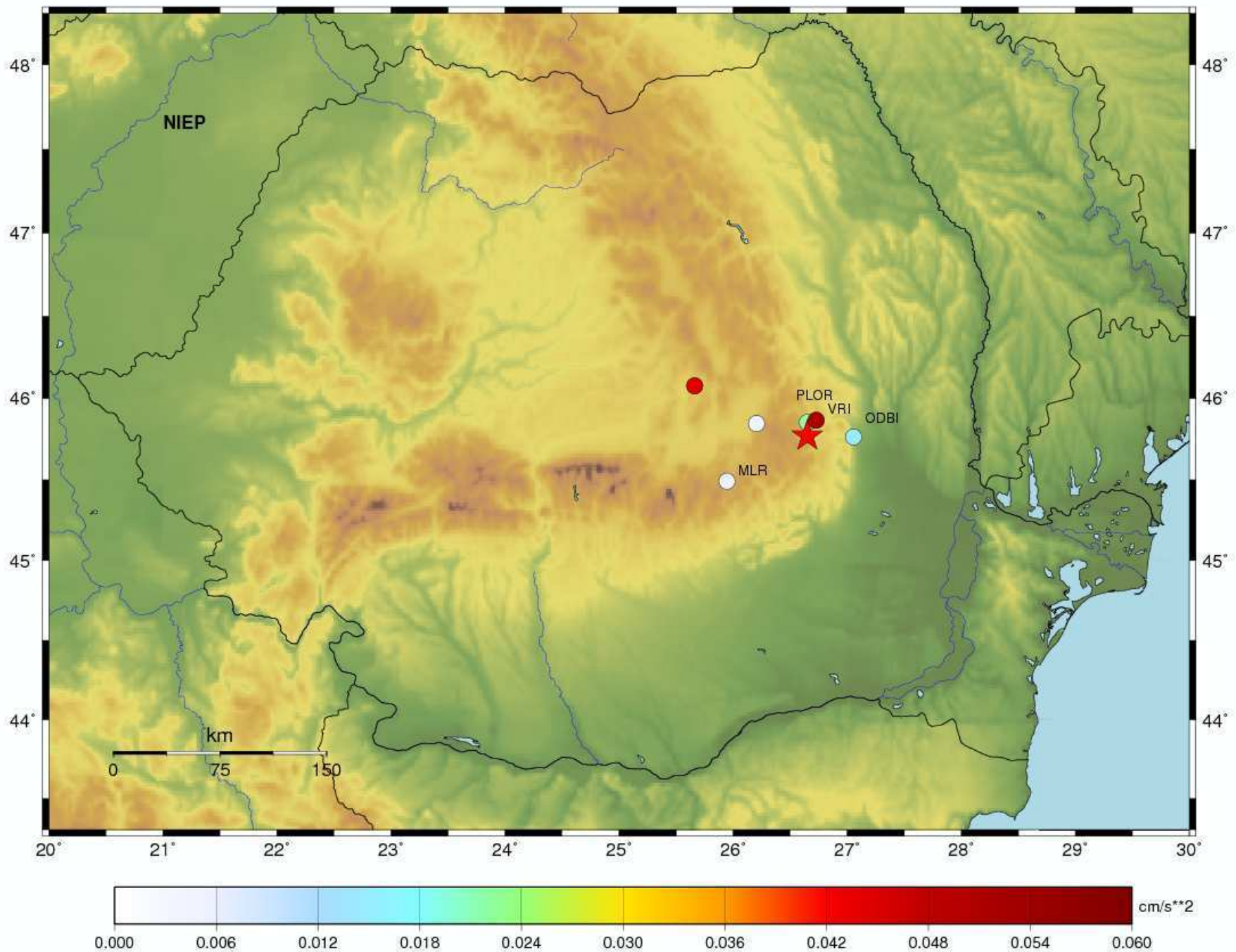
Sat Feb 29, 2020 20:12:42 GMT M: 3.16 Mw: 2.89 N45.77 E26.65 Depth: 111 km ID: 189



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

Maximum PSA03: VRI 0.0510

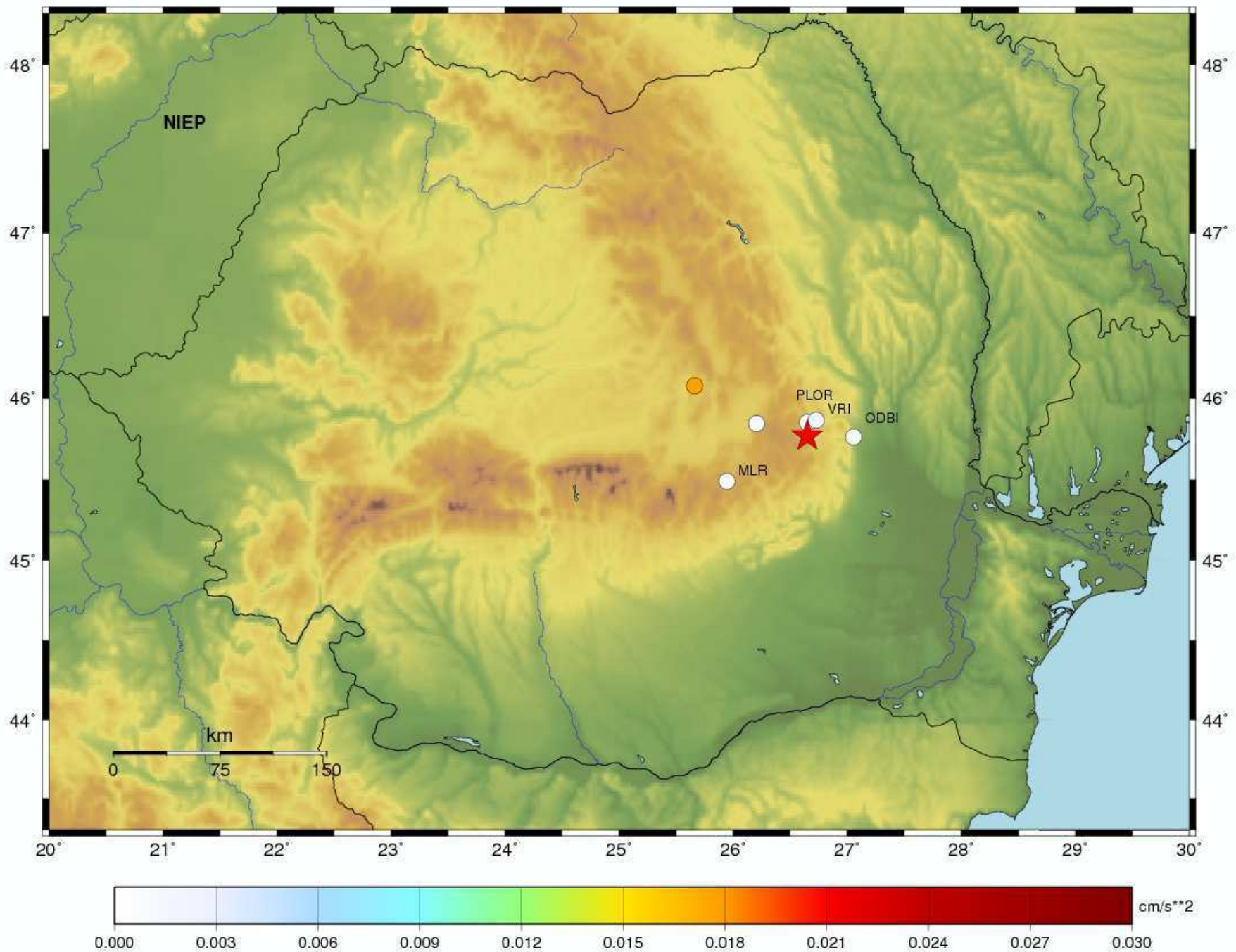
Sat Feb 29, 2020 20:12:42 GMT M: 3.16 Mw: 2.89 N45.77 E26.65 Depth: 111 km ID: 189



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

Maximum PSA10: BOSR 0.0178

Sat Feb 29, 2020 20:12:42 GMT M: 3.16 Mw: 2.89 N45.77 E26.65 Depth: 111 km ID: 189



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

Maximum PSA30: BOSR 0.0060

Sat Feb 29, 2020 20:12:42 GMT M: 3.16 Mw: 2.89 N45.77 E26.65 Depth: 111 km ID: 189

