



National Institute for Earth Physics - Magurele

Moment magnitude and waveform measurements - manual

Romania - Event 23 Zona seismica Vrancea

Event local time: Wed May 27,2020 01:28:15

Tue May 26,2020 22:28:15 GMT N45.55 E26.56 Ml: 3.4 Depth: 109km ID: 80

Measurements are performed on data extracted and processed by an operator

ML: 3.43 Mw: 2.99 netm0: 0.657E+14 netf0: 2.62 neteqR: 0.64 Nsta: 3

Station moment magnitude estimates - dbmw

sta	chamw	mw	m0	f0	eqR	timePmw	Pmw	timeSmw	Smw	seg
PLOR	HHT	2.8	0.236E+14	2.54	0.66	22:28:31	db	22:28:43	db	V
SCTR	HHT	3.4	0.152E+15	2.40	0.70	22:28:36	db	22:28:53	db	V
VRI	HHT	2.8	0.213E+14	2.92	0.57	22:28:31	db	22:28:43	db	V

Waveform measurements

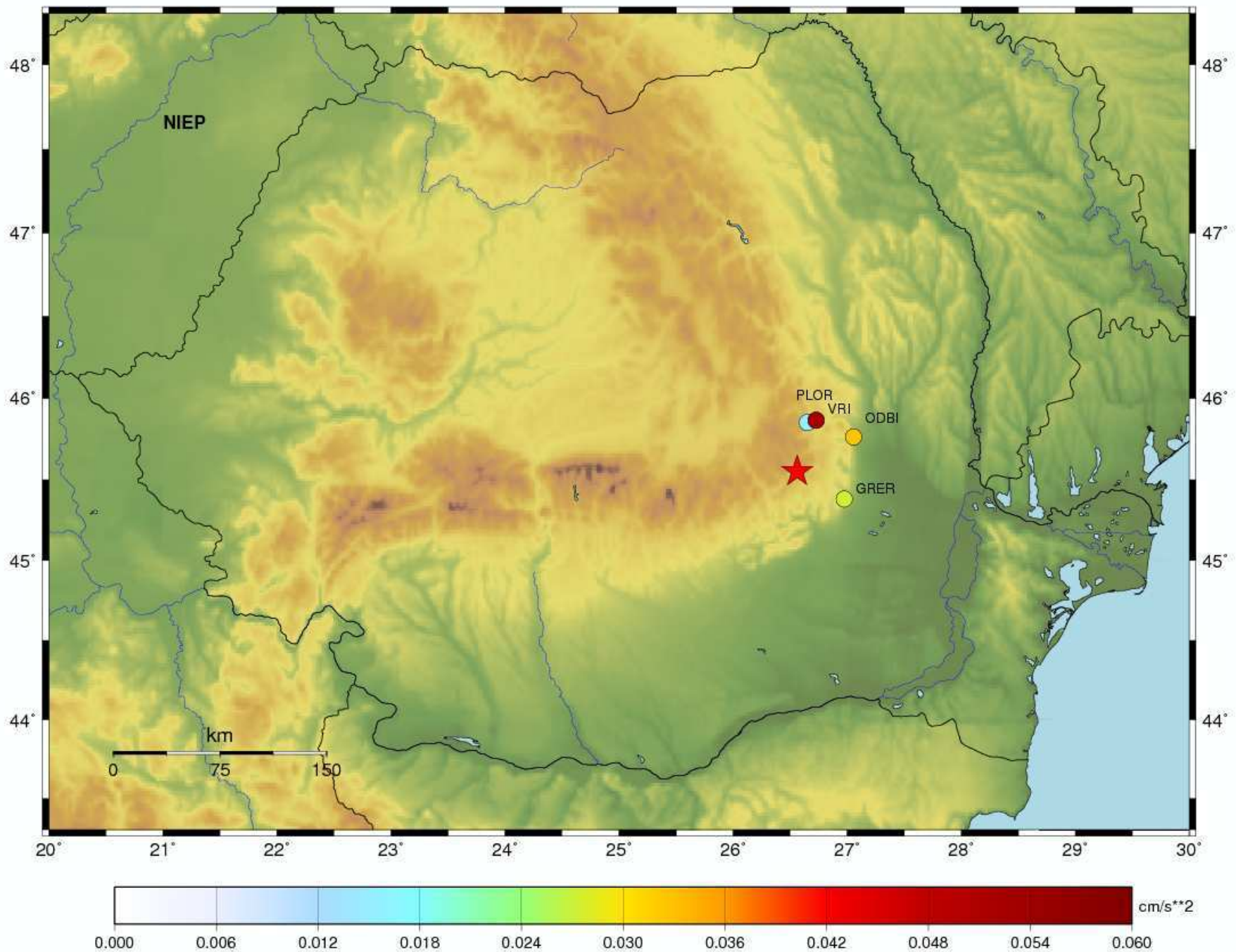
sta	chan	d(km)	ml	pga	pgv	psa03	psa10	psa30	Arias	Housner
COVR	HHZ	43	3.1	0.01	0.00	0.01	0.00			0.0007
COVR	HHE	43	3.1	0.03	0.00	0.02	0.00		0.0000	0.0014
GRER	HHN	37		0.03	0.00	0.02				0.0015
ODBI	HHE	45		0.03	0.00	0.01			0.0000	0.0013
PLOR	HHZ	34	3.1	0.01	0.00	0.01	0.00			0.0006
PLOR	HHN	34	3.1	0.02	0.00	0.03	0.00			0.0013
PLOR	HHE	34	3.1	0.01	0.00	0.02	0.00			0.0013
SCTR	HHZ	112	3.5	0.03	0.00	0.01	0.00			0.0012
SCTR	HHN	112	3.5	0.04	0.00	0.02	0.00		0.0000	0.0021
SCTR	HHE	112	3.5	0.03	0.00	0.01	0.00			0.0015
VRI	HHZ	37	3.2	0.05	0.00	0.01	0.00			0.0020
VRI	HHN	37	3.2	0.02	0.00	0.02	0.00			0.0012
VRI	HHE	37	3.2	0.05	0.00	0.03	0.00			0.0018
TURR	HHZ	70	3.3	0.00	0.00	0.00				0.0003
BOSR	HHE	91	3.5	0.03	0.00	0.02	0.00			0.0013

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: VRI 0.0523

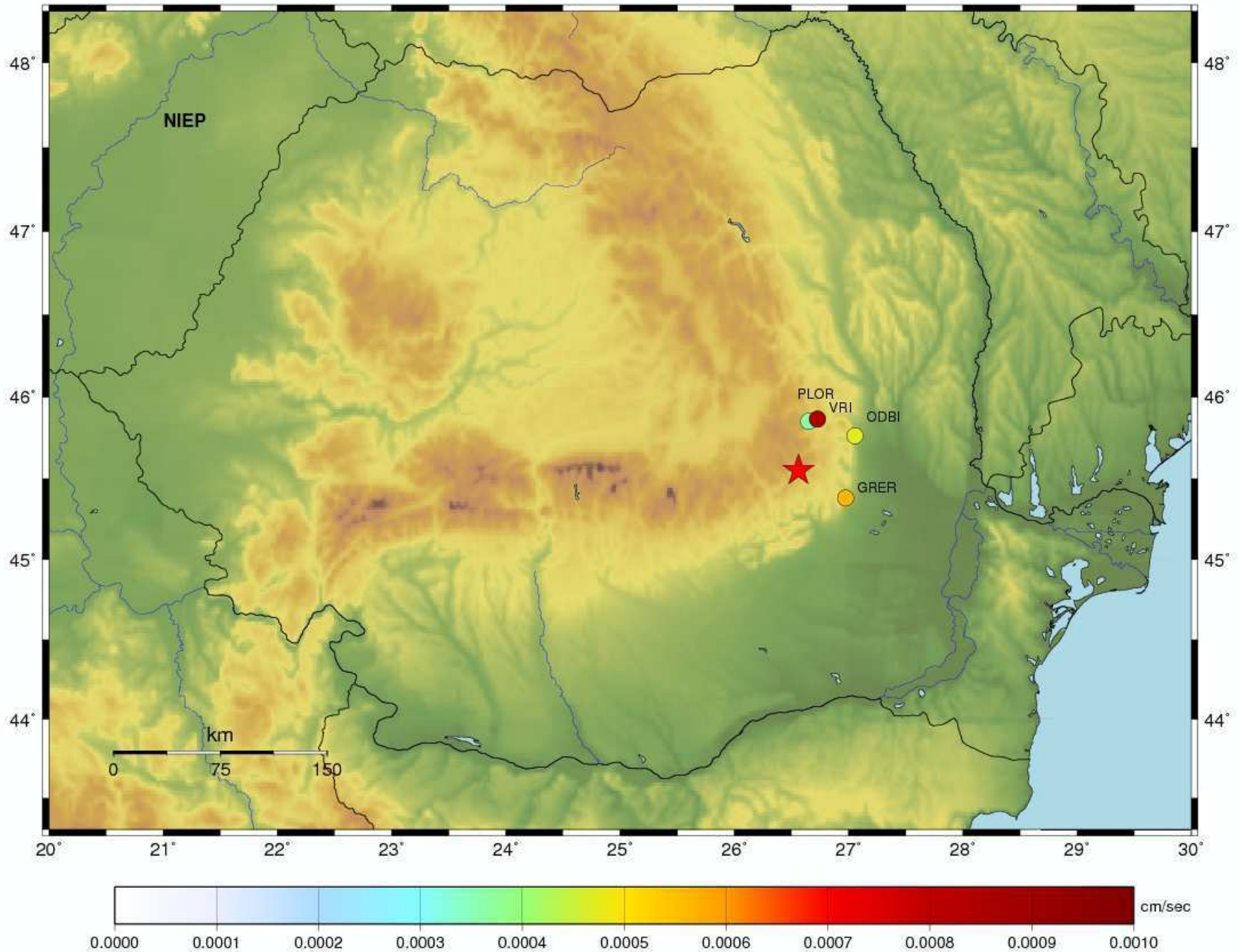
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Antelope dbmw – observed stations velocities (cm/sec)

Maximum velocity: VRI 0.0008

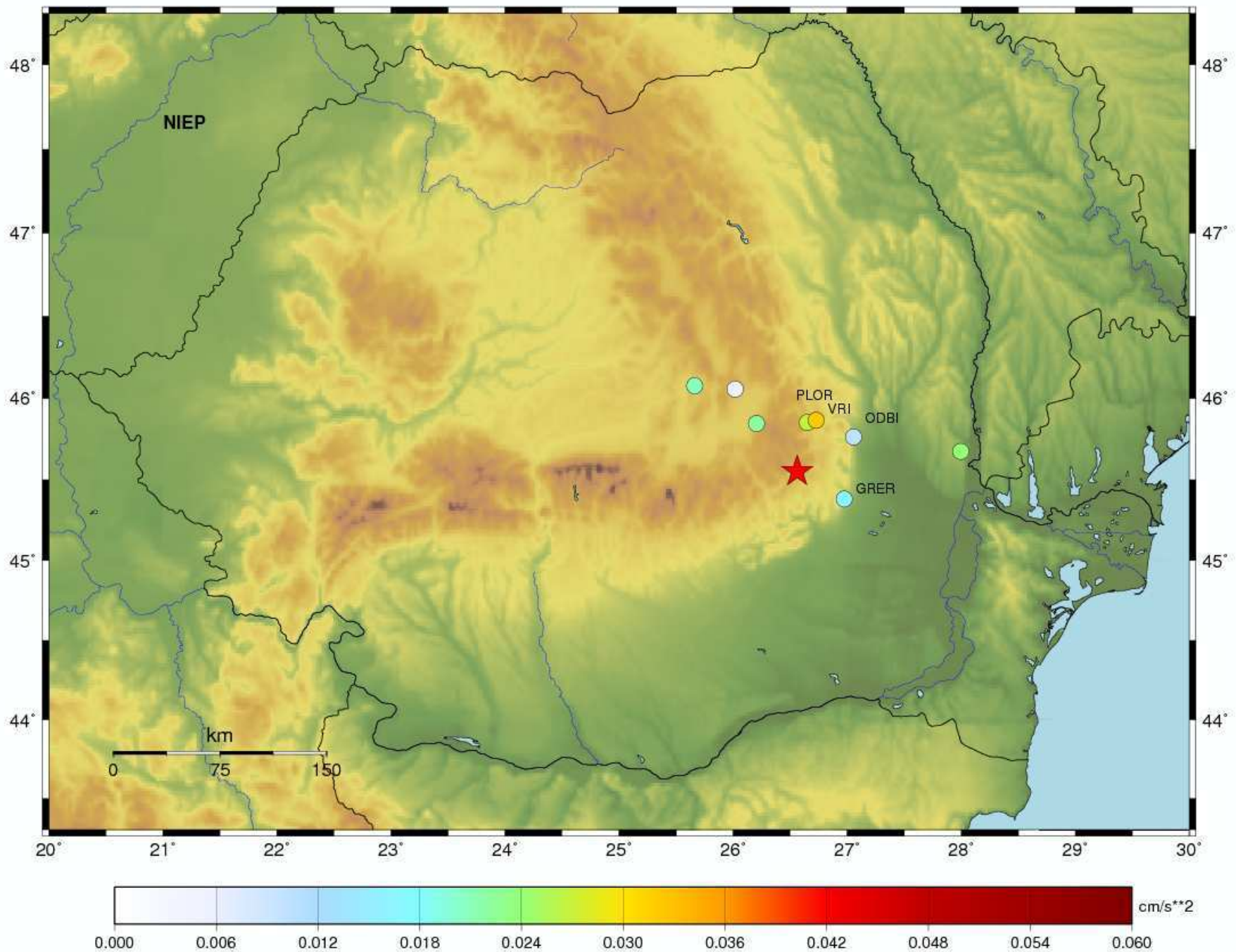
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Antelope dbmw – observed stations PSA03 (cm/sec**2)

Maximum PSA03: VRI 0.0323

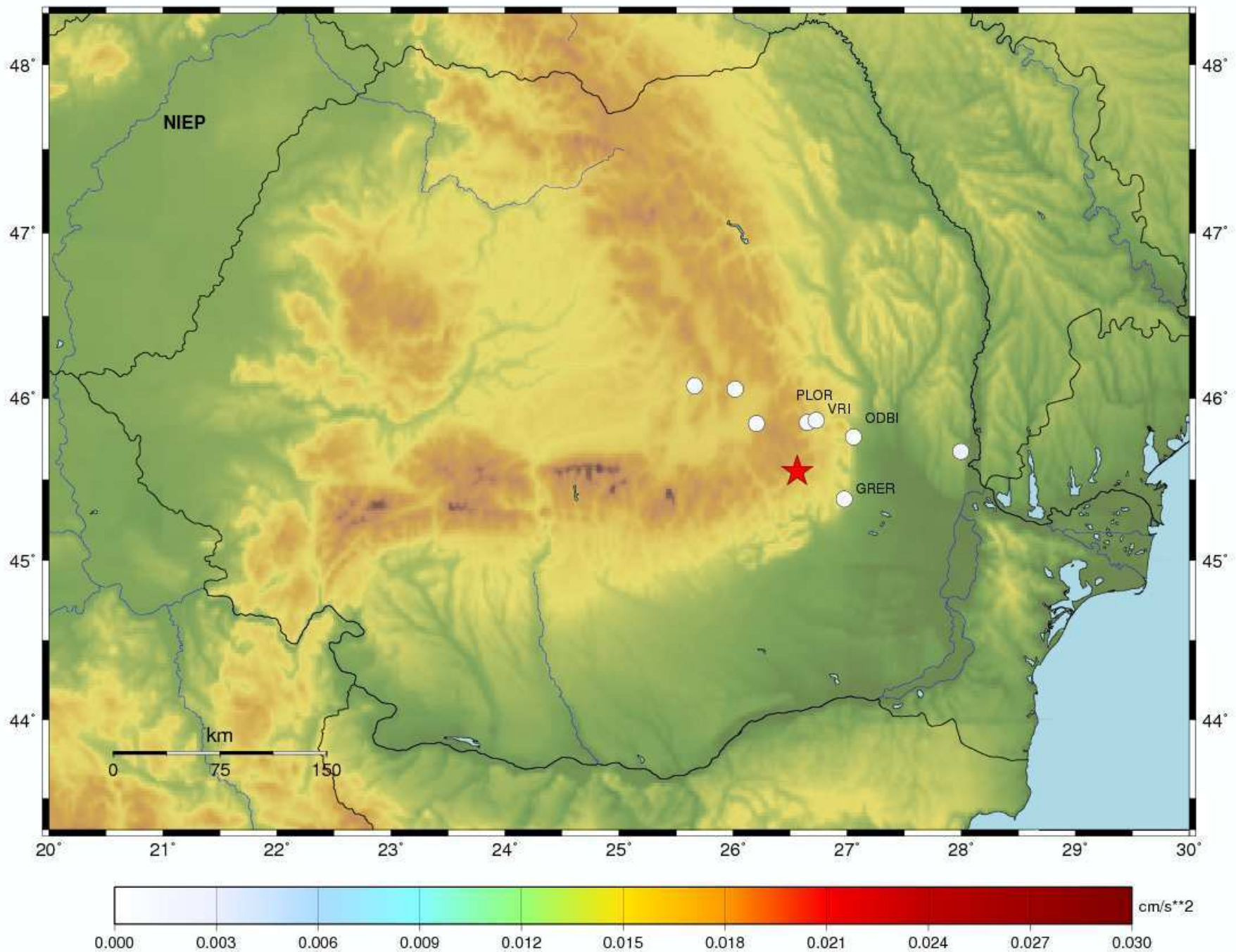
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Antelope dbmw – observed stations PSA10 (cm/sec**2)

Maximum PSA10: SCTR 0.0025

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

Maximum PSA30: BOSR -999.0000

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