



National Institute for Earth Physics - Magurele

Moment magnitude and waveform measurements - manual

Romania - Event 2 Zona seismica Vrancea

Event local time: Thu Apr 30,2020 05:54:01

Thu Apr 30,2020 02:54:01 GMT N45.59 E26.42 Ml: 3.3 Depth: 148km ID: 12

Measurements are performed on data extracted and processed by an operator

ML: 3.31 Mw: 2.70 netm0: 0.162E+14 netf0: 2.68 neteqR: 0.62 Nsta: 2

Station moment magnitude estimates - dbmw

sta	chamw	mw	m0	f0	eqR	timePmw	Pmw	timeSmw	Smw	seg
DOPR	HHT	2.7	0.140E+14	2.69	0.62	02:54:25	db	02:54:43	db	V
PLOR	HHT	2.7	0.184E+14	2.68	0.63	02:54:22	db	02:54:37	db	V

Waveform measurements

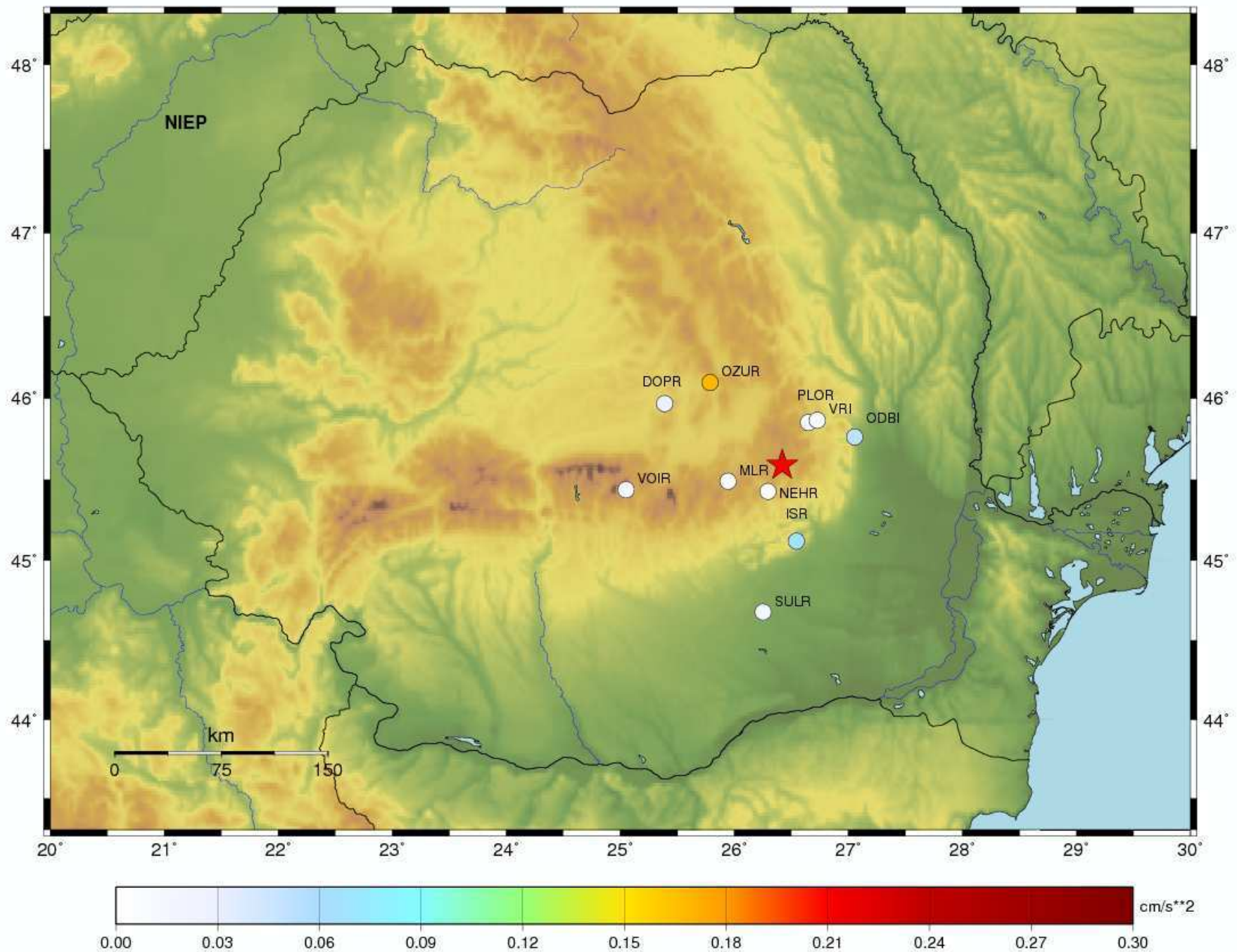
sta	chan	d(km)	ml	pga	pgv	psa03	psa10	psa30	Arias	Housner
DOPR	HHN	90	3.0	0.02	0.00	0.00	0.00			0.0003
DOPR	HHE	90	3.0	0.01	0.00	0.00	0.00			0.0003
ISR	HHE	53	3.1	0.07	0.00	0.01			0.0000	0.0009
MLR	HHZ	38	2.9	0.00	0.00	0.01	0.00			0.0003
MLR	HHE	38	2.9	0.00	0.00	0.01	0.00			0.0004
NEHR	HHZ	20	2.3	0.00	0.00	0.00	0.00			0.0001
OZUR	HHE	74	2.9	0.17	0.00	0.00	0.00		0.0000	0.0017
ODBI	HHN	53	3.2	0.05	0.00	0.01	0.00		0.0000	0.0017
PLOR	HHZ	33	2.9	0.00	0.00	0.01	0.00			0.0005
PLOR	HHN	33	2.9	0.01	0.00	0.02				0.0010
PLOR	HHE	33	2.9	0.01	0.00	0.02	0.00			0.0009
SULR	HHN	102	3.5	0.02	0.00	0.01				0.0011
VOIR	HHN	108	2.8	0.00	0.00	0.00	0.00			0.0001
VRI	HHZ	38	3.1	0.01	0.00	0.00	0.00			0.0003
TURR	HHN	59	2.9	0.05	0.00	0.00	0.00		0.0000	0.0007

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: OZUR 0.1690

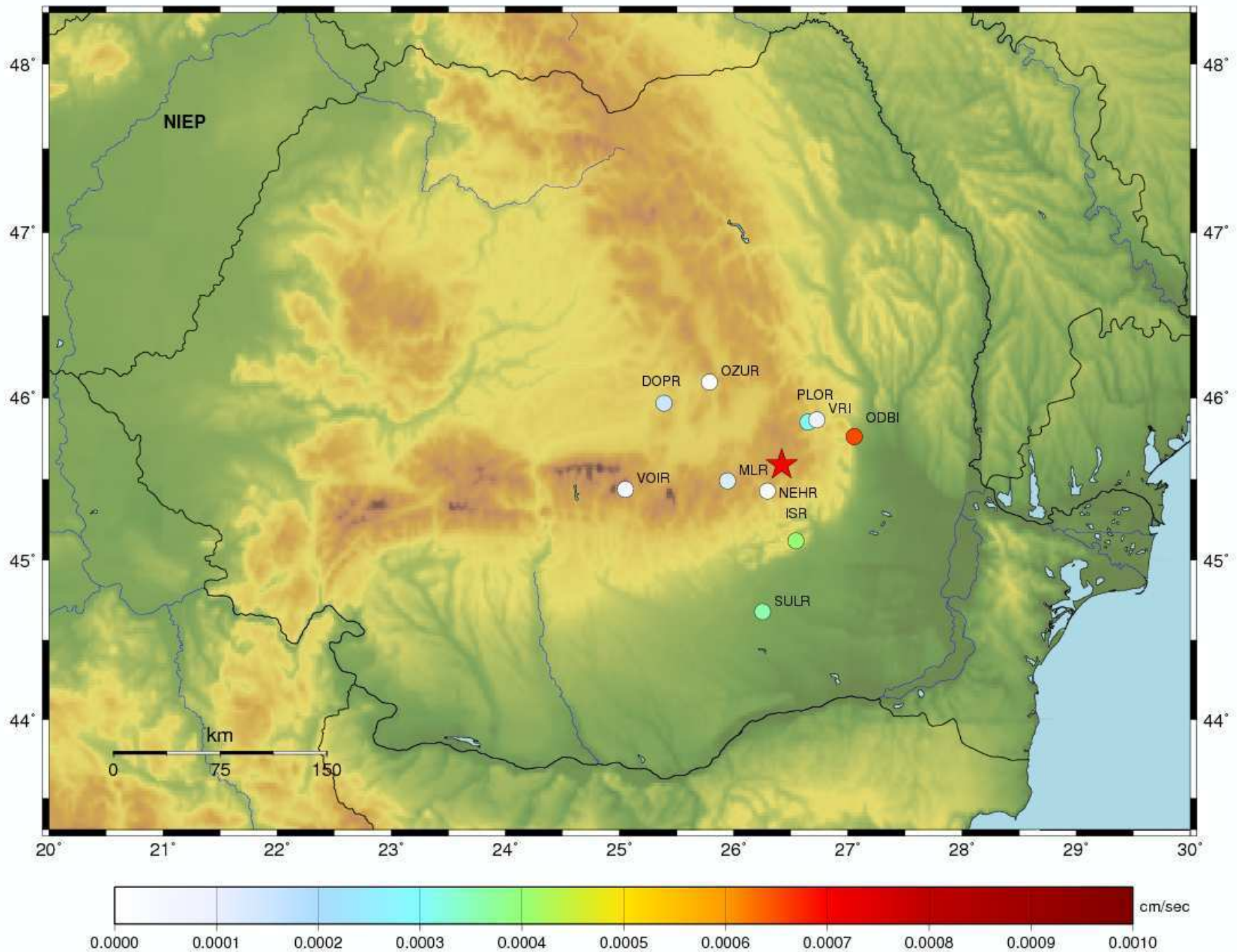
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Antelope dbmw – observed stations velocities (cm/sec)

Maximum velocity: OZUR 0.0010

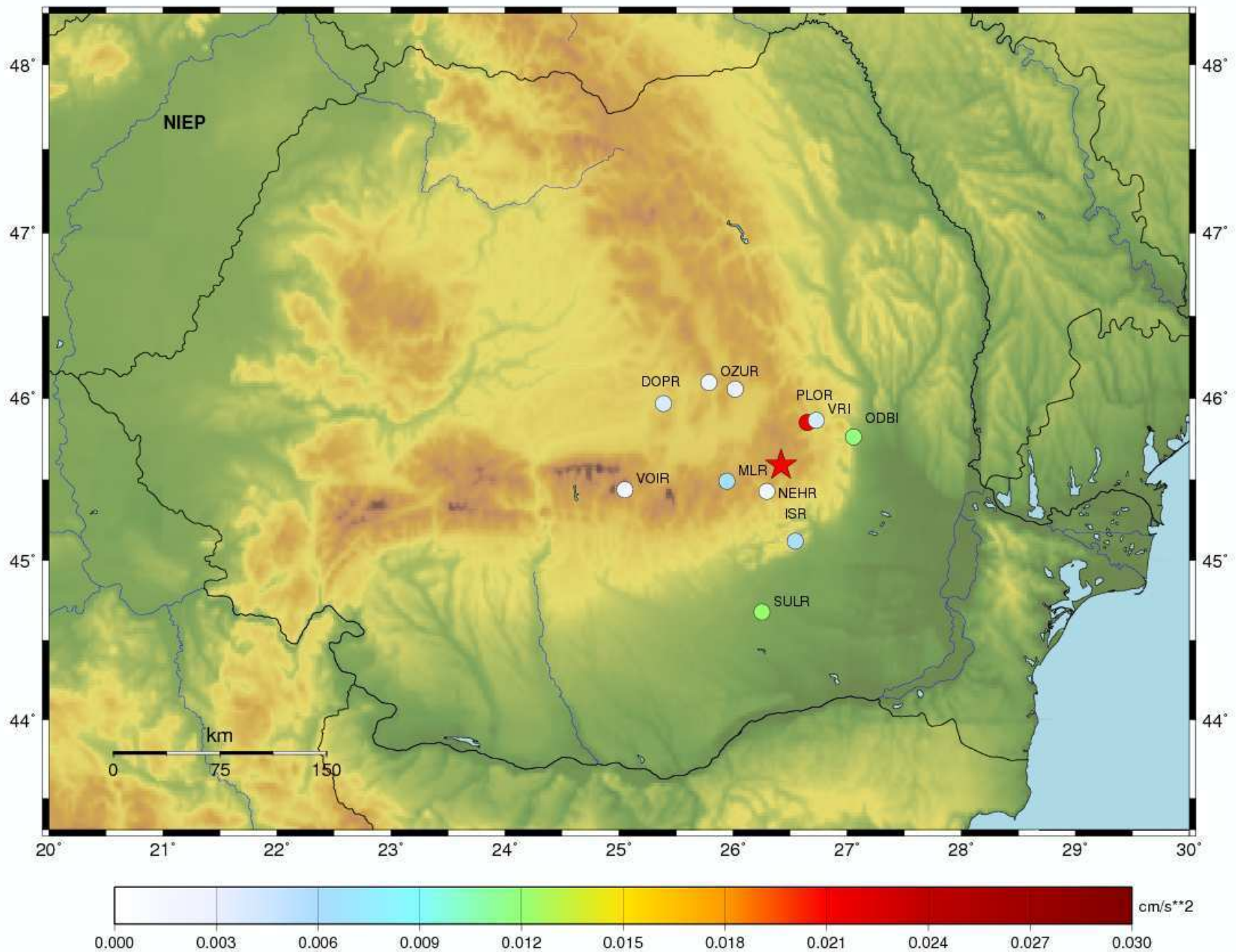
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Antelope dbmw – observed stations PSA03 (cm/sec**2)

Maximum PSA03: PLOR 0.0211

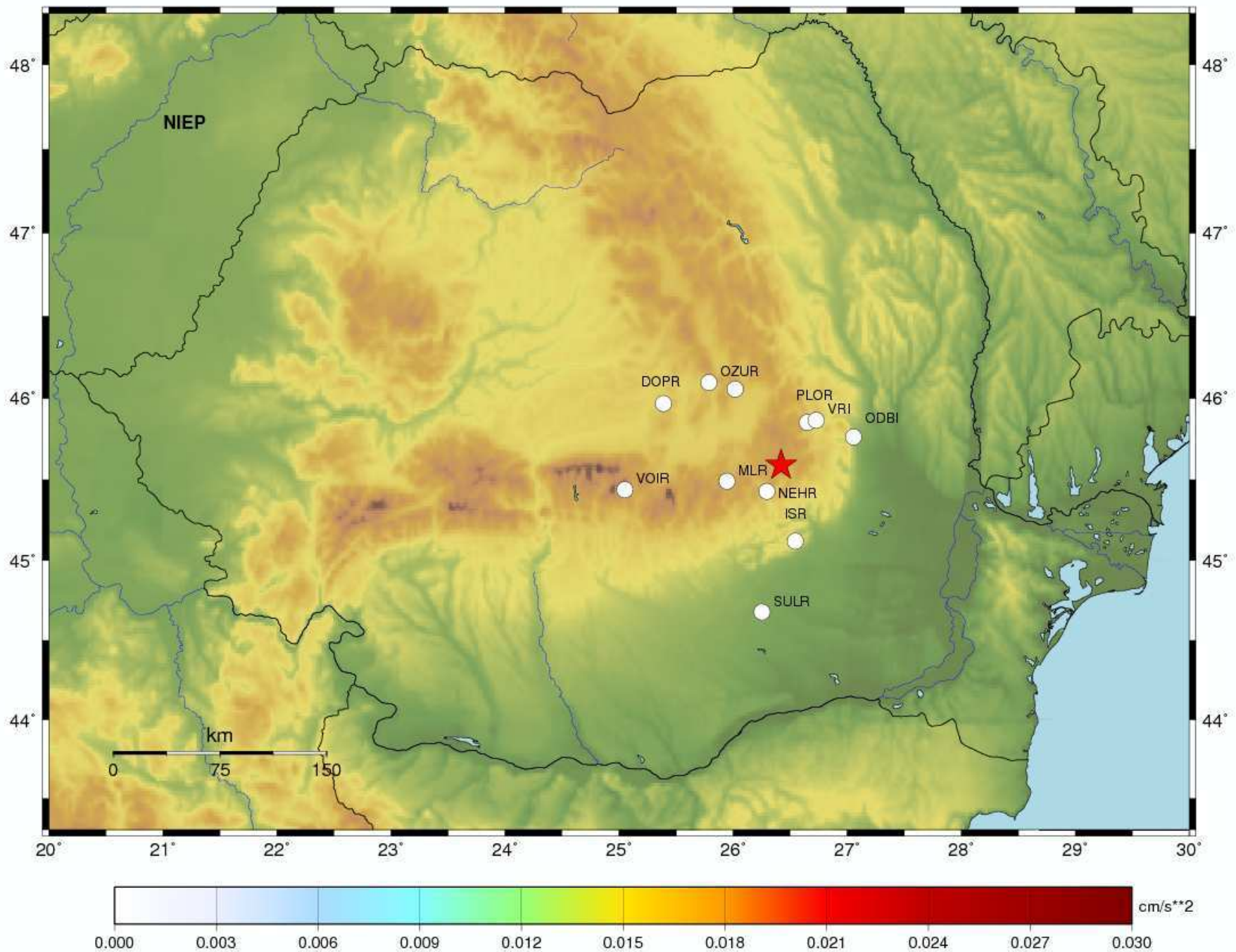
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Antelope dbmw – observed stations PSA10 (cm/sec**2)

Maximum PSA10: ODBI 0.0009

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

Maximum PSA30: NEHR -999.0000

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