



National Institute for Earth Physics - Magurele

Moment magnitude and waveform measurements - manual

Romania - Event 28 Zona seismica Vrancea

Event local time: Wed Feb 26,2020 11:52:46

Wed Feb 26,2020 09:52:46 GMT N45.74 E26.70 Ml: 3.2 Depth: 77km ID: 99

Measurements are performed on data extracted and processed by an operator

ML: 3.20 Mw: 2.96 netm0: 0.433E+14 netf0: 2.69 neteqR: 0.70 Nsta: 2

Station moment magnitude estimates - dbmw

sta	chan	mw	m0	f0	eqR	timePmw	Pmw	timeSmw	Smw	seg
GHRR	HHT	3.1	0.611E+14	3.59	0.47	09:53:00	db	09:53:11	db	V
MLR	HHT	2.8	0.255E+14	1.78	0.94	09:53:00	db	09:53:11	db	V

Waveform measurements

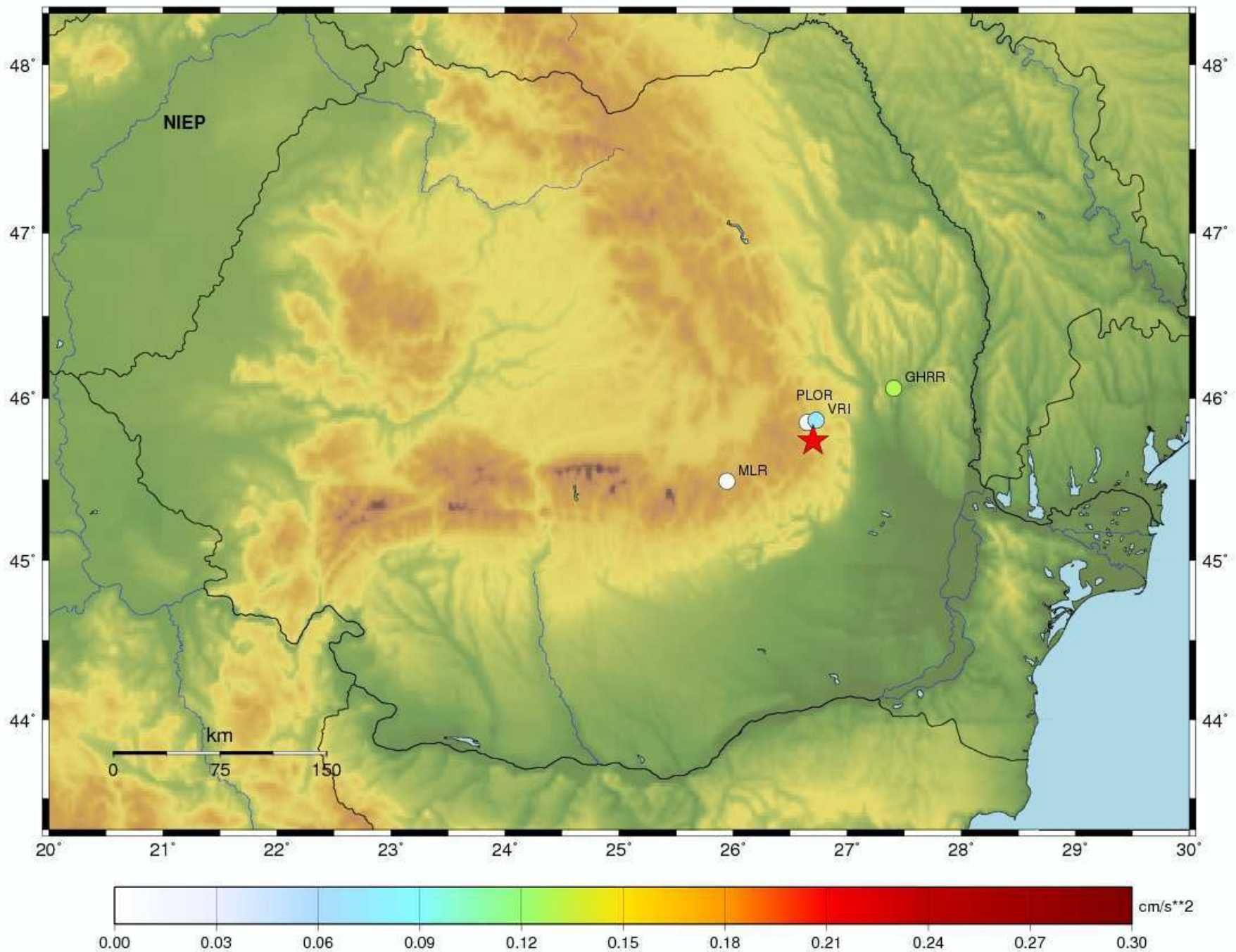
sta	chan	d(km)	ml	pga	pgv	psa03	psa10	psa30	Arias	Housner
COVR	HHZ	40	2.7	0.01	0.00	0.00	0.00			0.0002
GHRR	HHZ	65	3.5	0.10	0.00	0.02			0.0000	0.0014
GHRR	HHN	65	3.5	0.10	0.00	0.09	0.00		0.0000	0.0035
GHRR	HHE	65	3.5	0.13	0.00	0.05			0.0000	0.0041
MLR	HHZ	65	3.2	0.00	0.00	0.00				0.0003
MLR	HHN	65	3.2	0.00	0.00	0.01	0.00			0.0005
MLR	HHE	65	3.2	0.00	0.00	0.01	0.00			0.0005
PLOR	HHN	13	2.6	0.01	0.00	0.03	0.00			0.0011
VRI	HHE	14	2.9	0.07	0.00	0.08	0.00		0.0000	0.0034
TURR	HHE	63		0.25	0.00	0.01	0.00		0.0000	0.0020

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: TURR 0.2459

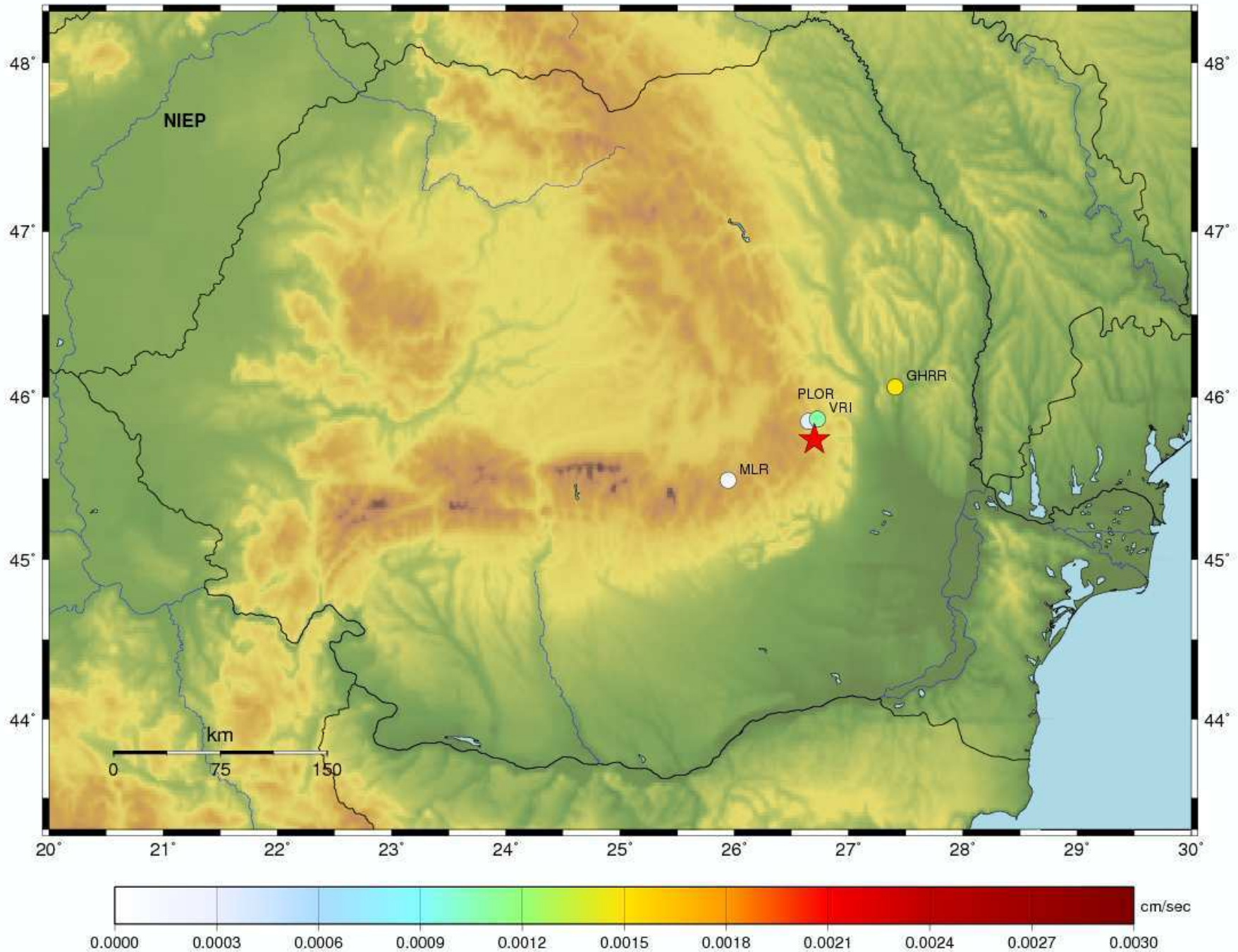
Wed Feb 26, 2020 09:52:46 GMT M: 3.20 Mw: 2.96 N45.74 E26.70 Depth: 77 km ID: 99



Antelope dbmw – observed stations velocities (cm/sec)

Maximum velocity: GHRR 0.0015

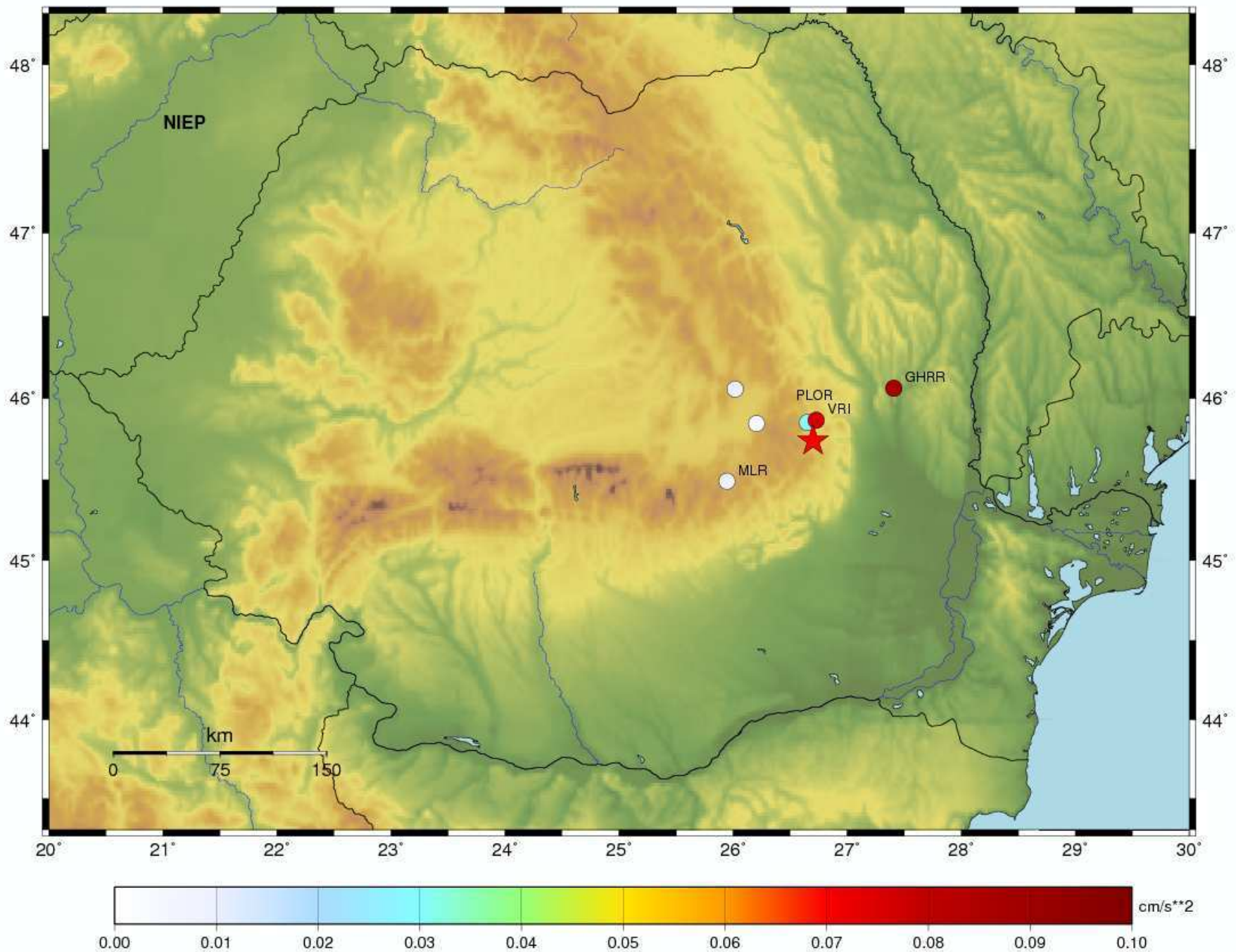
Wed Feb 26, 2020 09:52:46 GMT M: 3.20 Mw: 2.96 N45.74 E26.70 Depth: 77 km ID: 99



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

Maximum PSA03: GHRR 0.0872

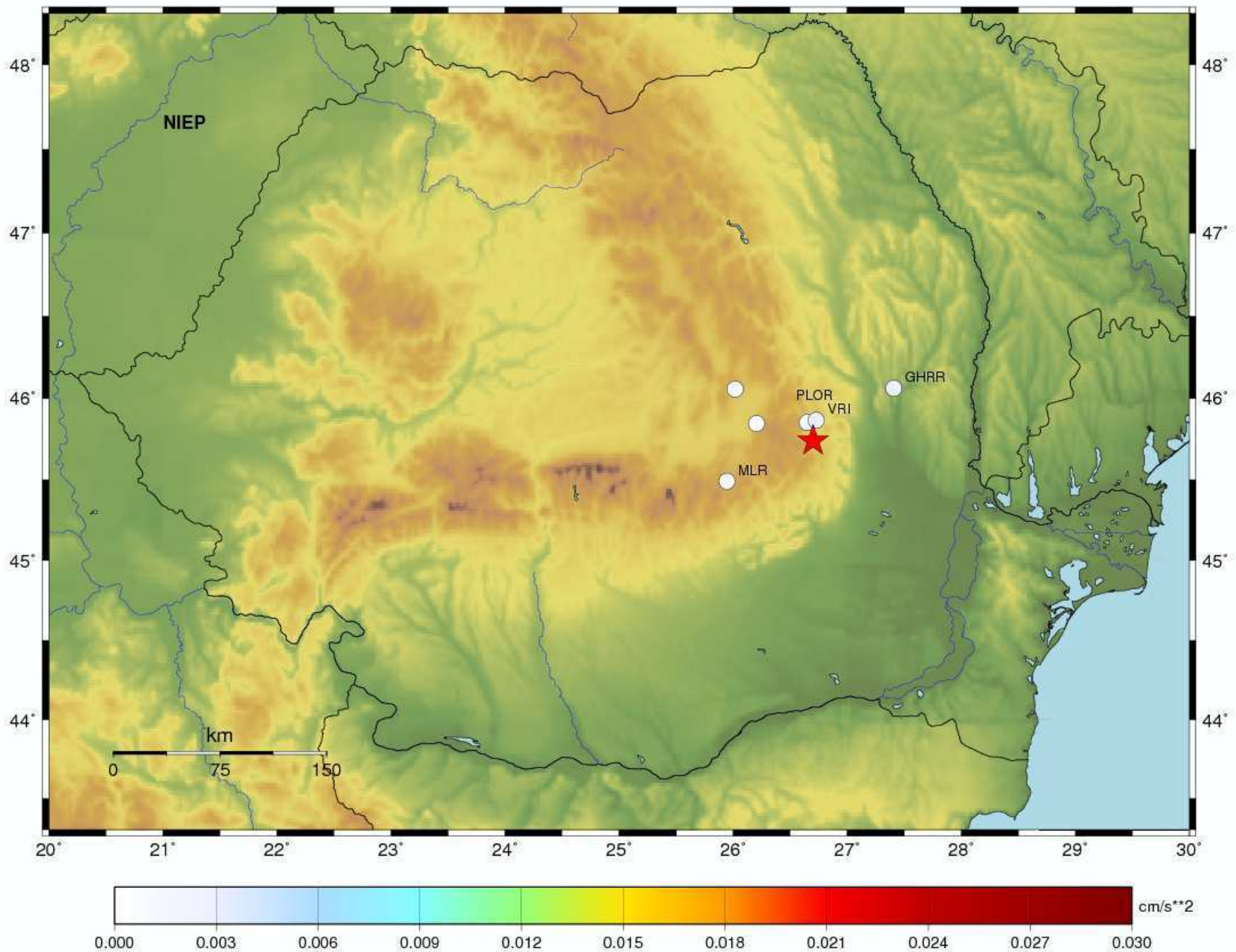
Wed Feb 26, 2020 09:52:46 GMT M: 3.20 Mw: 2.96 N45.74 E26.70 Depth: 77 km ID: 99



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

Maximum PSA10: VRI 0.0030

Wed Feb 26, 2020 09:52:46 GMT M: 3.20 Mw: 2.96 N45.74 E26.70 Depth: 77 km ID: 99



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

Maximum PSA30: GHRR -999.0000

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