



National Institute for Earth Physics - Magurele

Moment magnitude and waveform measurements - manual

Romania - Event 18 Crisana

Event local time: Sun Mar 01,2020 18:09:08

Sun Mar 01,2020 16:09:08 GMT N46.68 E22.07 MI: 3.0 Depth: 2km ID: 78

Measurements are performed on data extracted and processed by an operator

ML: 3.03 Mw: 3.21 netm0: 0.127E+15 netf0: 2.75 neteqR: 0.47 Nsta: 4

Station moment magnitude estimates - dbmw

sta	chamw	mw	m0	f0	eqR	timePmw	Pmw	timeSmw	Smw	seg
BZS	HHT	2.8	0.230E+14	2.98	0.42	16:09:29	db	16:09:44	db	V
CJR	HHT	3.5	0.245E+15	2.33	0.54	16:09:29	db	16:09:43	db	V
DEV	HHT	3.2	0.902E+14	2.35	0.54	16:09:28	db	16:09:40	db	V
MESR	HHT	3.4	0.152E+15	3.35	0.38	16:09:23	db	16:09:34	db	V

Waveform measurements

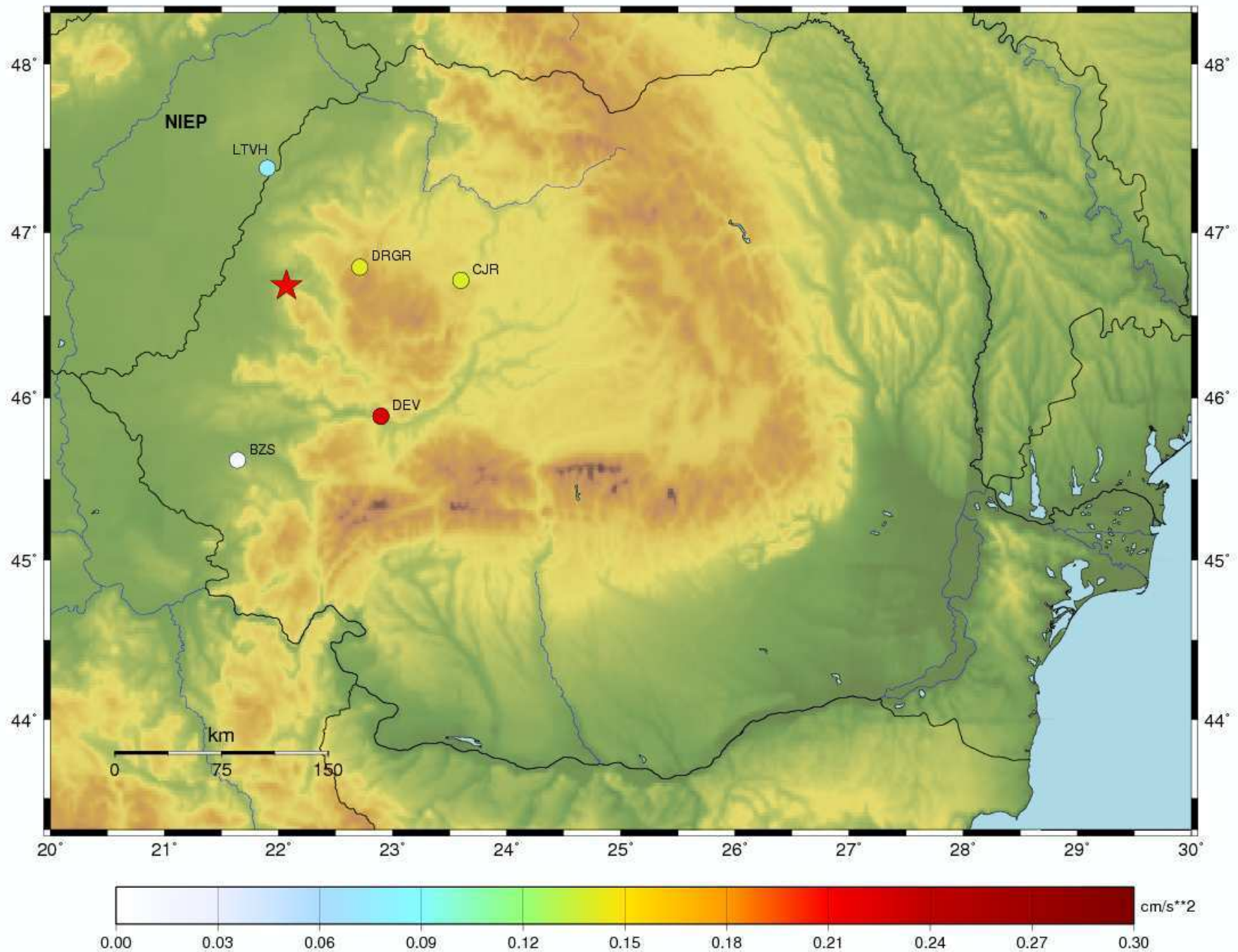
sta	chan	d(km)	ml	pga	pgv	psa03	psa10	psa30	Arias	Housner
BORR	HHN	50	3.3	0.21	0.00	0.29			0.0000	0.0143
BZS	HHZ	122	2.7	0.01	0.00	0.01				0.0005
BZS	HHN	122	2.7	0.01	0.00	0.02	0.00			0.0010
BZS	HHE	122	2.7	0.01	0.00	0.02				0.0010
CJR	HHZ	117	3.5	0.08	0.00	0.07	0.00		0.0000	0.0049
CJR	HHN	117	3.5	0.14	0.00	0.12	0.01		0.0000	0.0088
CJR	HHE	117	3.5	0.12	0.00	0.10	0.01		0.0000	0.0080
DEV	HHZ	109	3.1	0.06	0.00	0.03	0.00		0.0000	0.0027
DEV	HHN	109	3.1	0.14	0.00	0.05	0.01		0.0000	0.0037
DEV	HHE	109	3.1	0.22	0.00	0.04	0.01		0.0001	0.0050
DRGR	HHZ	50	2.4	0.14	0.00	0.03	0.00		0.0000	0.0039
DRGR	HHE	50	2.4	0.13	0.00	0.03	0.00		0.0000	0.0048
MESR	HHZ	84	3.4	0.20	0.00	0.05	0.00		0.0000	0.0055
MESR	HHN	84	3.4	0.24	0.00	0.20	0.01		0.0000	0.0147
MESR	HHE	84	3.4	0.19	0.01	0.24	0.01		0.0000	0.0155
LTVH	HHZ	79	3.0	0.08	0.00	0.03	0.00		0.0000	0.0036

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: MESR 0.2401

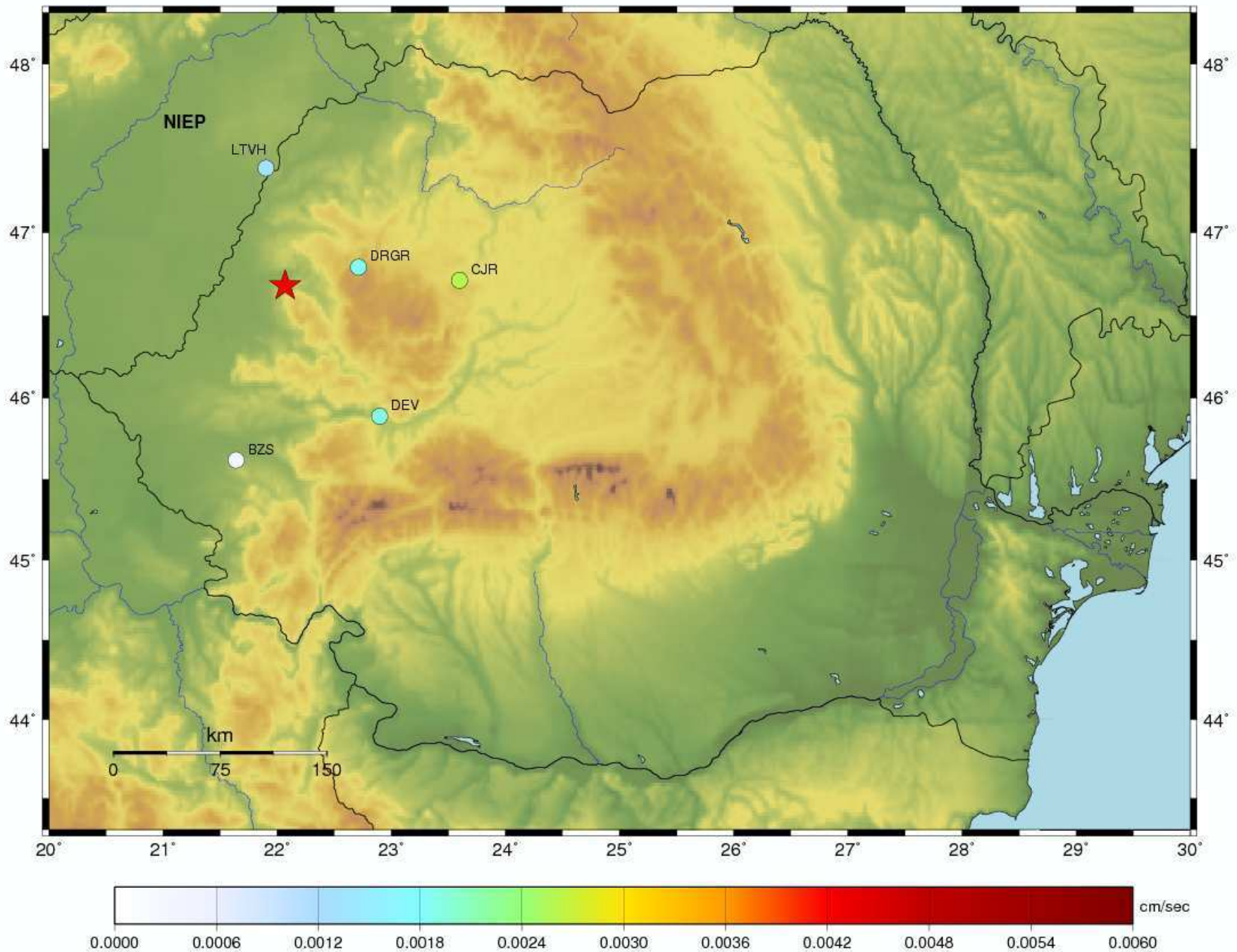
Sun Mar 01,2020 16:09:08 GMT M: 3.03 Mw: 3.21 N46.68 E22.07 Depth: 2 km ID: 78



Antelope dbmw – observed stations velocities (cm/sec)

Maximum velocity: MESR 0.0054

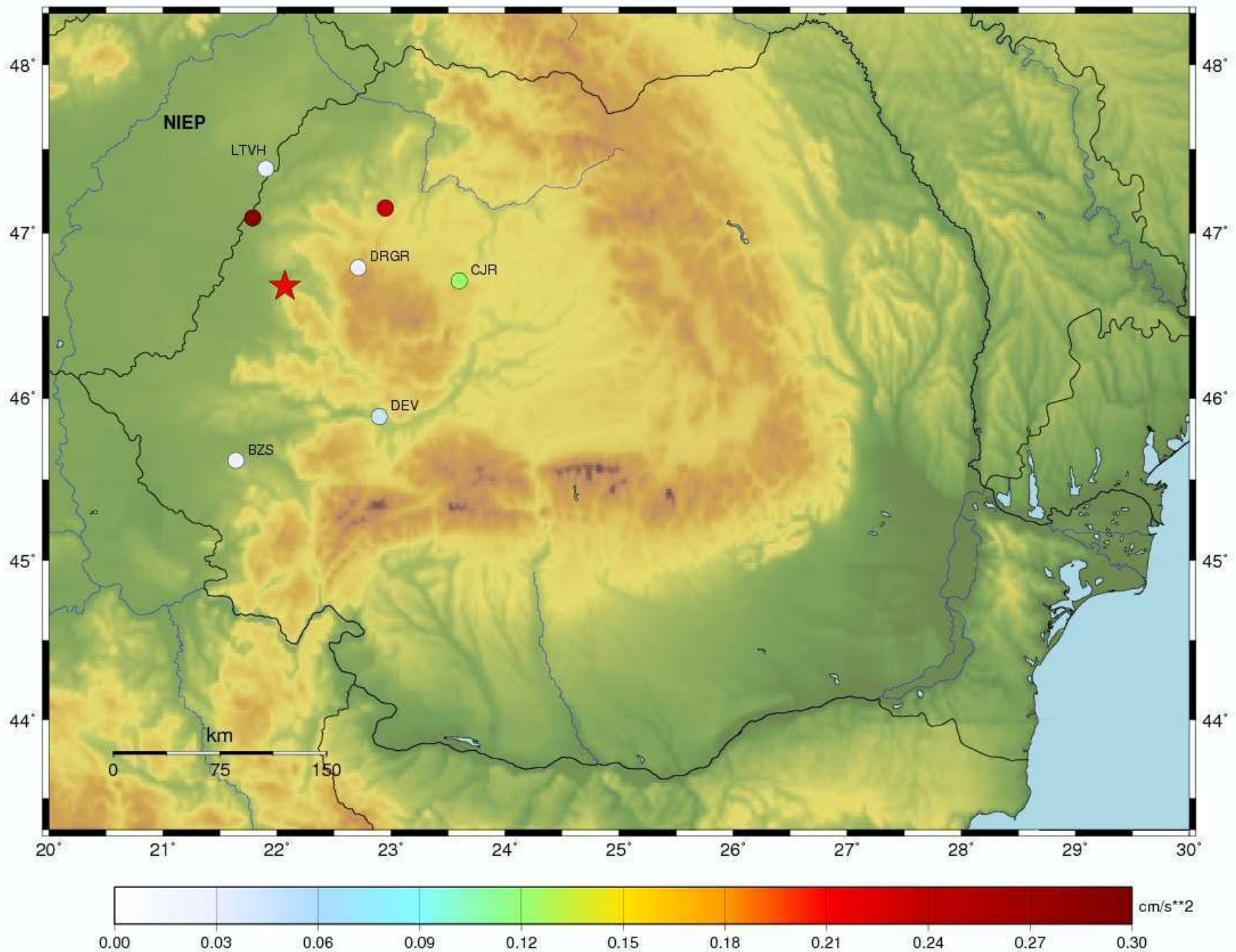
Sun Mar 01,2020 16:09:08 GMT M: 3.03 Mw: 3.21 N46.68 E22.07 Depth: 2 km ID: 78



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

Maximum PSA03: BORR 0.2925

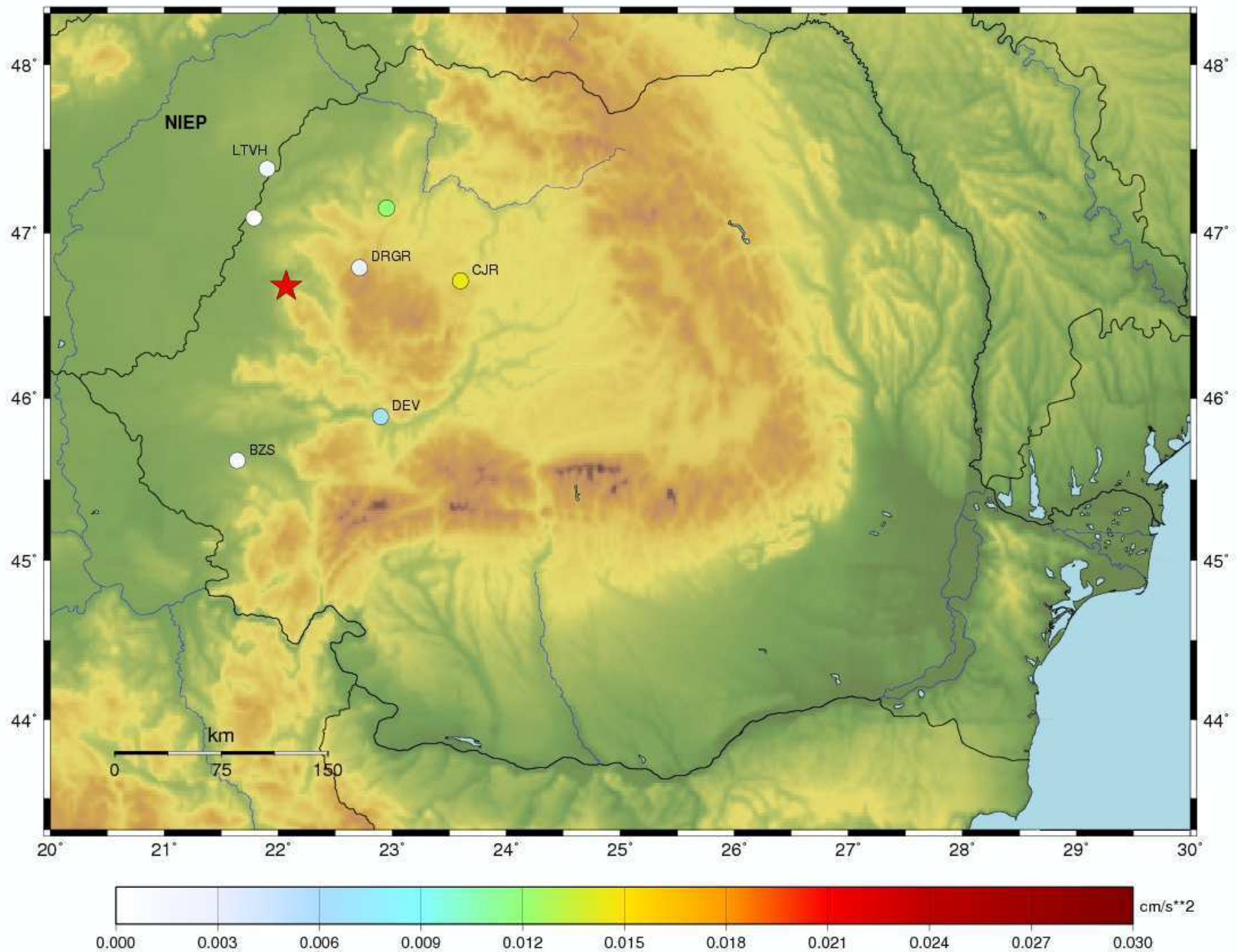
Sun Mar 01,2020 16:09:08 GMT M: 3.03 Mw: 3.21 N46.68 E22.07 Depth: 2 km ID: 78



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

Maximum PSA10: CJR 0.0144

Sun Mar 01,2020 16:09:08 GMT M: 3.03 Mw: 3.21 N46.68 E22.07 Depth: 2 km ID: 78



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

Maximum PSA30: CJR -999.0000

Sun Mar 01,2020 16:09:08 GMT M: 3.03 Mw: 3.21 N46.68 E22.07 Depth: 2 km ID: 78

