National Institute for Earth Physics
National Seismic Network

INFP

Antelope - associated stations measurements on atlas2 ronet database

ROMANIA - evid 24220418

Date	Time	Lat	Lon	Depth	ml	mb	orid
2020/04/24	22:04:18.801	45.895	27.465	21.6	5.0		148

		Sta	Chan	PGV	PGA
*	1	NEHR	HHE	0.004	
		NEHR	HHZ	-0.003	
		NEHR	HHN	-0.005	
*	2	ISR	HHE	-0.062	
		ISR	HHZ	0.033	
		ISR	HHN	-0.063	
*	3	IASR	HHE	0.094	
		IASR	HHZ	0.052	
		IASR	HHN	-0.101	
*	4	TSMN	EHE	-0.069	
		TSMN	EHN	-0.059	
		TSMN	EHZ	0.038	
*	5	CEI	HHE	0.001	
		CEI	HHZ	0.001	
		CEI	HHN	-0.001	
*	6	NEGRR	HHE	0.205	
		NEGRR	HHZ	-0.114	
		NEGRR	HHN	0.171	
*	7	JURR	EHZ	-0.052	
*	8	GIUM	EHE	-0.279	
		GIUM	EHN	0.315	
		GIUM	EHZ	-0.183	
*	9	ODBI	HHE	0.971	
		ODBI	HHZ	0.457	
		ODBI	HHN	-1.345	
*	10	SGRR	EHE	0.019	
		SGRR	EHN	-0.018	
		SGRR	EHZ	-0.012	
*	11	TLBR	HHE	-0.353	
		TLBR	HHZ	0.217	
		TLBR	HHN	0.323	
*	12	SCTR	HHE	-0.161	
		SCTR	HHZ	-0.150	
		SCTR	HHN	0.264	
*	13	CJR	HHE	0.002	
		CJR	HHZ	-0.001	
		CJR	HHN	0.002	
*	14	GHRR	HHE	0.360	
		GHRR	HHZ	0.277	
		GHRR	HHN	0.956	
*	15	MESR	HHE	-0.002	
		MESR	HHZ	0.001	
		MESR	HHN	0.002	
*	16	TIRR	HHE	0.024	
		TIRR	HHZ	0.019	
		TIRR	HHN	0.026	
*	17	TPGR	HHE	0.071	
		TPGR	HHZ	0.063	

		TPGR	HHN	-0.104	
*	18	RMGR	EHE	0.003	
		RMGR	EHN	0.004	
		RMGR	EHZ	0.002	
*	19	MLR	HHE	-0.036	
		MLR	HHZ	0.019	
		MLR	HHN	0.022	
*	20	BORR	HHE	-0.001	
		BORR	HHZ	0.001	
		BORR	HHN	-0.001	
*	21	BMR	HHE	0.002	
		BMR	HHZ	-0.001	
		BMR	HHN	0.002	
*	22	COPA	HHE	0.012	
		COPA	HHZ	0.006	
		COPA	HHN	0.014	
*	23	GIRR	HHE	0.065	
		GIRR	HHZ	-0.025	
		GIRR	HHN	-0.068	
*	24	VLDR	HHE	-0.398	
		VLDR	HHZ	0.235	
		VLDR	HHN	0.402	
*	25	TESR	HHE	0.056	
		TESR	HHZ	0.021	
		TESR	HHN	0.040	
*	26	MANR	HHE	-0.054	
		MANR	HHZ	0.023	
		MANR	HHN	-0.045	
*	27	MTUR	EHZ	-0.004	
*	28	VOIR	HHE	-0.003	
		VOIR	HHZ	-0.002	
		VOIR	HHN	-0.002	
*	29	CFR	HHE	0.199	
		CFR	HHZ	-0.100	
		CFR	HHN	0.340	
*	30	VARL	EHE	-0.424	
		VARL	EHN	-0.192	
		VARL	EHZ	-0.138	
*	31	GZR	HHE	-0.002	
		GZR	HHZ	-0.001	
		GZR	HHN	0.001	
*	32	PRAR	HHE	-0.065	
		PRAR	HHZ	0.018	
		PRAR	HHN	0.041	
*	33	BISRR	HHE	-0.295	
		BISRR	HHZ	-0.157	
		BISRR	HHN	-0.284	
*	34	DRBR	HHE	-0.082	
		DRBR	HHZ	-0.031	
		DRBR	HHN	-0.071	
*	35	INCR	EHE	0.015	
		INCR	EHN	-0.012	
		INCR	EHZ	-0.010	
*	36	SCHL	HHE	-0.091	
		SCHL	HHZ	-0.049	
		SCHL	HHN	0.064	
*	37	MFTR	HHE	0.131	
		MFTR	HHZ	0.069	
		MFTR	HHN	-0.138	
*	38	BURAR	BHZ	0.005	
		BURAR	BHN	0.005	
		BURAR	BHE	0.006	
		BURAR	BHZ		-0.026
		BURAR	BHN		0.039
		BURAR	BHE		-0.043
*	39	BOSR	HHE	0.016	
		BOSR	HHZ	-0.008	

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      BOSR    HHN     -0.022
*  40 ZIMR    EHE      0.011
      ZIMR    EHN     -0.008
      ZIMR    EHZ      0.005
*  41 GRER    EHE     -0.000
      GRER    EHN      0.083
      GRER    EHZ     -0.092
*  42 TSCT    EHE      0.066
      TSCT    EHN     -0.063
      TSCT    EHZ     -0.020
*  43 MARR    HHE      0.000
      MARR    HHZ     -0.001
      MARR    HHN     -0.001
*  44 TGMR    HHE      0.005
      TGMR    HHZ     -0.002
      TGMR    HHN     -0.004
*  45 LEHL    HHE      0.055
      LEHL    HHZ     -0.019
      LEHL    HHN      0.540
*  46 HERR    HHE     -0.002
      HERR    HHZ     -0.001
      HERR    HHN      0.002
*  47 PLAR    EHE     -0.020
      PLAR    EHN      0.013
      PLAR    EHZ      0.006
*  48 GISR    EHE      0.149
      GISR    EHN     -0.134
      GISR    EHZ     -0.125
*  49 MDB     HHE      0.004
      MDB     HHZ     -0.003
      MDB     HHN      0.004
*  50 SULR    HHE     -0.025
      SULR    HHZ     -0.016
      SULR    HHN     -0.035
*  51 SCHLR   HHE      0.330
      SCHLR   HHZ     -0.183
      SCHLR   HHN      0.343
*  52 COVR    HHE     -0.018
      COVR    HHZ      0.014
      COVR    HHN     -0.022
*  53 JOSR    EHE      0.003
      JOSR    EHN     -0.003
      JOSR    EHZ     -0.002
*  54 RAZG    HHE      0.015
      RAZG    HHZ     -0.005
      RAZG    HHN      0.013
*  55 ONER    HHE      0.015
      ONER    HHZ     -0.014
      ONER    HHN     -0.023
*  56 CVDA    EHE     -0.094
      CVDA    EHN     -0.123
      CVDA    EHZ     -0.103
*  57 VRI     HHE     -0.295
      VRI     HHZ      0.112
      VRI     HHN      0.294
*  58 ICOR    HHE     -0.215
      ICOR    HHZ     -0.096
      ICOR    HHN     -0.129
*  59 BUC1    EHE      0.009
      BUC1    EHN     -0.011
      BUC1    EHZ     -0.007
*  60 HUMR    HHE     -0.012
      HUMR    HHZ      0.007
      HUMR    HHN     -0.013
*  61 COSR    HHE     -2.460
      COSR    HHZ      1.160
      COSR    HHN      2.667
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*  62 DRGR    HHE      0.000
      DRGR    HHZ     -0.000
      DRGR    HHN     -0.000
*  63 TURR    HHE      0.011
      TURR    HHZ      0.007
      TURR    HHN     -0.016
*  64 BIR     HHE      0.172
      BIR     HHZ      0.151
      BIR     HHN     -0.259
*  65 VASR    HHE     -0.118
      VASR    HHZ     -0.076
      VASR    HHN      0.218
*  66 BZS     HHE     -0.000
      BZS     HHZ     -0.000
      BZS     HHN     -0.000
*  67 SRE     HHE      0.003
      SRE     HHZ     -0.003
      SRE     HHN     -0.003
*  68 TLCR    EHE      0.139
      TLCR    EHN      0.059
      TLCR    EHZ      0.030
*  69 ARR     HHE     -0.003
      ARR     HHZ     -0.002
      ARR     HHN      0.003
*  70 TATR    HHE     -0.519
      TATR    HHZ      0.219
      TATR    HHN      0.230
*  71 PLOR    HHE      0.183
      PLOR    HHZ      0.096
      PLOR    HHN      0.323
*  72 LOT     HHE     -0.002
      LOT     HHZ      0.001
      LOT     HHN      0.002
*  73 DEV     HHE     -0.001
      DEV     HHZ     -0.001
      DEV     HHN     -0.001
*  74 OZUR    HHE      0.012
      OZUR    HHZ     -0.006
      OZUR    HHN     -0.016
*  75 TUDR    HHE     -0.582
      TUDR    HHZ      0.383
      TUDR    HHN     -0.630
*  76 IZVR    HHE     -0.311
      IZVR    HHZ      0.090
      IZVR    HHN     -0.214
*  77 EFOR    HHE      0.123
      EFOR    HHZ      0.047
      EFOR    HHN      0.080
```

* Associated RO stations: 77
Excluded stations:

Largest velocities (cm/sec) and accelerations (cm/sec**2)

```
     Velocity        COSR_HHN         2.667
     Acceleration    BURAR_BHN        0.039
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Stations max. horizontal acceleration and MSK intensity

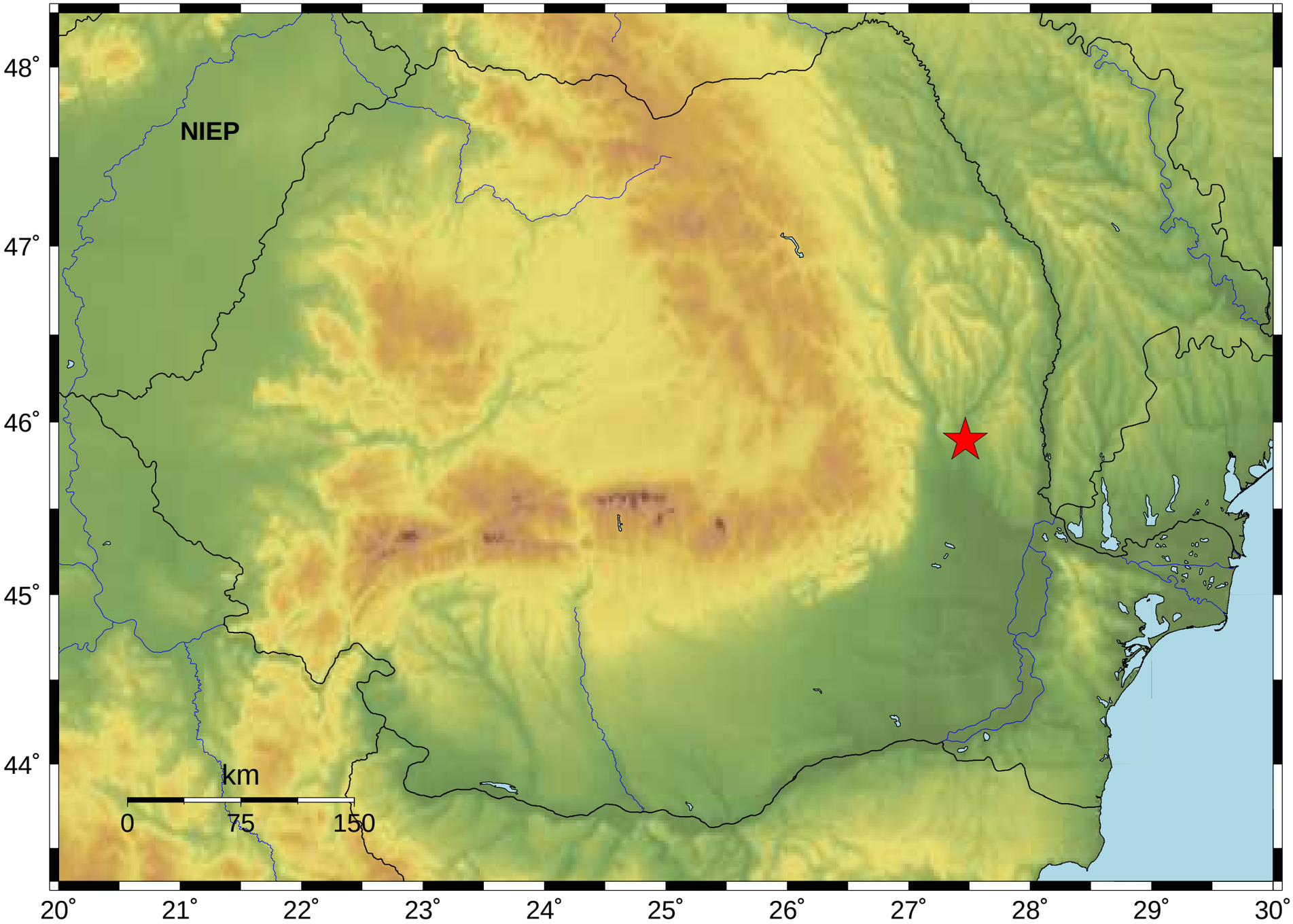
1 BURAR_HNE

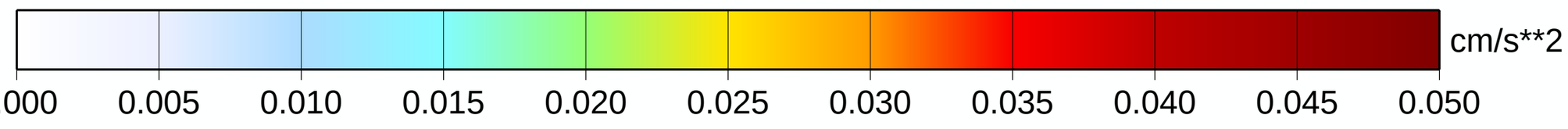
Observed stations accelerations − Antelope platform (cm/sec**2)

Maximum observed acceleration: BURAR_BHN 0.039

Fri Apr 24, 2020 22:04:18 GMT ML 5.0 Mb N45.90 E27.47 Depth: 21.6km ID:24220418

Station	Dist.(km)	Acc.
BURAR	259	0.043

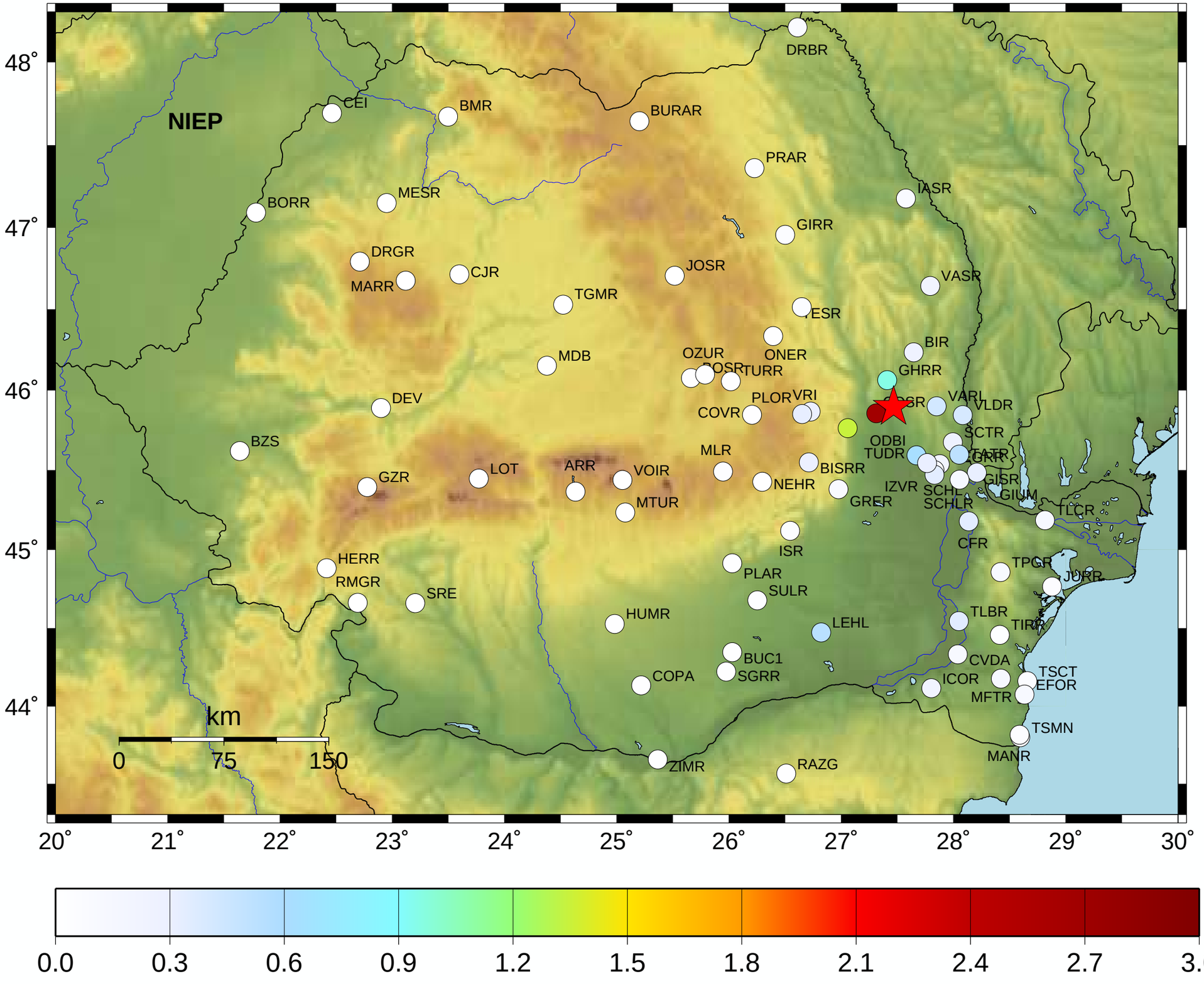




Observed stations velocities − Antelope platform (cm/sec)

Maximum observed velocity: COSR_HHN 2.667

Fri Apr 24, 2020 22:04:18 GMT ML 5.0 Mb N45.90 E27.47 Depth: 21.6km ID:24220418



Station	Dist.(km)	Velocity
COSR	12	2.667
ODBI	34	1.345
GHRR	18	0.956
TUDR	37	0.630
LEHL	165	0.540
TATR	56	0.519
VARL	29	0.424
VLDR	48	0.402
TLBR	156	0.353
SCHLR	55	0.343
CFR	95	0.340
PLOR	63	0.323
GIUM	73	0.315
IZVR	45	0.311
VRI	57	0.295
BISRR	70	0.295
SCTR	47	0.264
BIR	40	0.259
VASR	86	0.218
ICOR	199	0.215
NEGRR	51	0.205
GISR	68	0.149
TLCR	131	0.139
MFTR	205	0.138
EFOR	222	0.123
CVDA	179	0.123
TPGR	137	0.104
IASR	142	0.101
GRER	68	0.092
SCHL	52	0.091
DRBR	265	0.082
TSMN	249	0.069
GIRR	139	0.068
TSCT	214	0.066
PRAR	188	0.065

MSK macroseismic intensities map

Maximum MSK intensity: BURAR_HNE

Fri Apr 24, 2020 22:04:18 GMT ML 5.0 Mb N45.90 E27.47 Depth: 21.6km ID:24220418

Station	Dist.(km)	IMSK