

Antelope - associated stations measurements on atlas2 ronet database

BLACK SEA - evid 94094328

Date	Time	Lat	Lon	Depth	ml	mb	orid
2019/12/04	09:43:28.400	44.158	30.135	8.4	4.2		61
Sta	Chan	PGV	PGA				
* 1 CICN	HHE	0.003					
	CICN	HHZ	0.002				
	CICN	HHN	-0.003				
* 2 BURAR	BHZ	0.003					
	BURAR	BHN	0.000				
	BURAR	BHE	-0.000				
	BURAR	BHZ	0.001				
	BURAR	BHN	-0.001				
	BURAR	BHE	-0.001				
* 3 ISR	HHE	-0.001					
	ISR	HHZ	-0.001				
	ISR	HHN	-0.001				
* 4 BOSR	HHE	0.001					
	BOSR	HHZ	-0.000				
	BOSR	HHN	-0.000				
* 5 ZIMR	EHE	0.000					
	ZIMR	EHN	0.000				
	ZIMR	EHZ	0.000				
* 6 TSMN	EHE	0.008					
	TSMN	EHN	0.007				
	TSMN	EHZ	-0.006				
* 7 TSCT	EHE	-0.014					
	TSCT	EHN	0.011				
	TSCT	EHZ	-0.004				
* 8 MARR	HHE	-0.000					
	MARR	HHZ	-0.000				
	MARR	HHN	0.000				
* 9 NEGR	HHE	0.002					
	NEGR	HHZ	0.001				
	NEGR	HHN	-0.003				
* 10 JURR	EHZ	-0.007					
* 11 LEHL	HHE	0.003					
	LEHL	HHZ	0.001				
	LEHL	HHN	-0.003				
* 12 GIUM	EHE	0.004					
	GIUM	EHN	-0.004				
	GIUM	EHZ	0.002				
* 13 PANC	HHE	-0.000					
	PANC	HHZ	-0.001				
	PANC	HHN	-0.001				
* 14 KALB	HHE	-0.005					
	KALB	HHZ	0.003				
	KALB	HHN	0.005				
* 15 HERR	HHE	-0.001					
	HERR	HHZ	-0.000				
	HERR	HHN	-0.001				
* 16 SGRR	EHE	0.001					
	SGRR	EHN	0.001				

		SGRR	EHZ	-0.001
*	17	SCTR	HHE	-0.002
		SCTR	HHZ	-0.002
		SCTR	HHN	-0.003
*	18	TLBR	HHE	-0.012
		TLBR	HHZ	-0.011
		TLBR	HHN	-0.014
*	19	DOPR	HHE	0.000
		DOPR	HHZ	0.000
		DOPR	HHN	0.000
*	20	GHRR	HHE	-0.002
		GHRR	HHZ	0.001
		GHRR	HHN	-0.002
*	21	GISR	EHE	-0.003
		GISR	EHN	0.004
		GISR	EHZ	-0.003
*	22	TSSL	EHE	-0.007
		TSSL	EHN	0.006
		TSSL	EHZ	0.003
*	23	SULR	HHE	-0.001
		SULR	HHZ	-0.002
		SULR	HHN	0.001
*	24	TPGR	HHE	-0.004
		TPGR	HHZ	-0.004
		TPGR	HHN	-0.006
*	25	COVR	HHE	0.000
		COVR	HHZ	-0.000
		COVR	HHN	0.000
*	26	SCHLR	HHE	0.004
		SCHLR	HHZ	0.002
		SCHLR	HHN	-0.003
*	27	MLR	HHE	-0.000
		MLR	HHZ	-0.000
		MLR	HHN	0.000
*	28	COPA	HHE	0.001
		COPA	HHZ	0.000
		COPA	HHN	0.001
*	29	ELND	HHE	0.001
		ELND	HHZ	-0.000
		ELND	HHN	-0.001
*	30	VLDR	HHE	0.005
		VLDR	HHZ	-0.002
		VLDR	HHN	0.005
*	31	CVDA	EHE	0.005
		CVDA	EHN	-0.007
		CVDA	EHZ	-0.007
*	32	VRI	HHE	-0.000
		VRI	HHZ	-0.000
		VRI	HHN	-0.000
*	33	ICOR	HHE	0.010
		ICOR	HHZ	-0.011
		ICOR	HHN	0.011
*	34	TESR	HHE	-0.001
		TESR	HHZ	-0.000
		TESR	HHN	0.000
*	35	BUC1	EHE	0.001
		BUC1	EHN	-0.000
		BUC1	EHZ	-0.001
*	36	VOIR	HHE	-0.000
		VOIR	HHZ	0.000
		VOIR	HHN	0.000
*	37	MTUR	EHZ	0.000
*	38	MANR	HHE	0.012
		MANR	HHZ	0.003
		MANR	HHN	-0.016
*	39	HUMR	HHE	0.001
		HUMR	HHZ	0.001

	HUMR	HHN	-0.002
* 40	CFR	HHE	0.005
	CFR	HHZ	-0.003
	CFR	HHN	0.006
* 41	VARL	EHE	-0.003
	VARL	EHN	0.003
	VARL	EHZ	-0.002
* 42	GZR	HHE	-0.000
	GZR	HHZ	-0.000
	GZR	HHN	-0.000
* 43	PRAR	HHE	-0.001
	PRAR	HHZ	0.000
	PRAR	HHN	-0.001
* 44	LOZB	HHE	-0.000
	LOZB	HHZ	-0.002
	LOZB	HHN	0.034
* 45	TURR	HHE	-0.000
	TURR	HHZ	0.000
	TURR	HHN	0.000
* 46	MDVR	HHE	-0.000
	MDVR	HHZ	-0.000
	MDVR	HHN	-0.000
* 47	VASR	HHE	0.000
	VASR	HHZ	0.002
	VASR	HHN	0.007
* 48	BZS	HHE	0.000
	BZS	HHZ	-0.000
	BZS	HHN	0.000
* 49	AMRR	HHE	0.003
	AMRR	HHZ	0.001
	AMRR	HHN	0.002
* 50	SRE	HHE	0.000
	SRE	HHZ	0.000
	SRE	HHN	0.001
* 51	ARR	HHE	0.000
	ARR	HHZ	0.000
	ARR	HHN	-0.000
* 52	TLCR	EHE	0.002
	TLCR	EHN	-0.002
	TLCR	EHZ	-0.001
* 53	PLOR	HHE	-0.001
	PLOR	HHZ	-0.000
	PLOR	HHN	-0.001
* 54	TATR	HHE	-0.007
	TATR	HHZ	-0.005
	TATR	HHN	-0.003
* 55	LOT	HHE	-0.000
	LOT	HHZ	-0.000
	LOT	HHN	0.000
* 56	OZUR	HHE	-0.001
	OZUR	HHZ	-0.001
	OZUR	HHN	0.001
* 57	TUDR	HHE	0.006
	TUDR	HHZ	0.004
	TUDR	HHN	-0.006
* 58	MFTR	HHE	-0.020
	MFTR	HHZ	0.016
	MFTR	HHN	-0.016
* 59	IZVR	HHE	0.003
	IZVR	HHZ	0.001
	IZVR	HHN	-0.004
* 60	EFOR	HHE	0.017
	EFOR	HHZ	0.010
	EFOR	HHN	-0.018

* Associated RO stations: 60
Excluded stations:

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

Velocity	LOZB_HHN	0.034
Acceleration	BURAR_BHN	0.001

Stations max. horizontal acceleration and MSK intensity

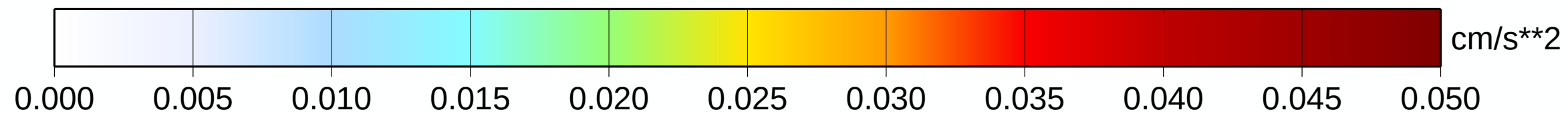
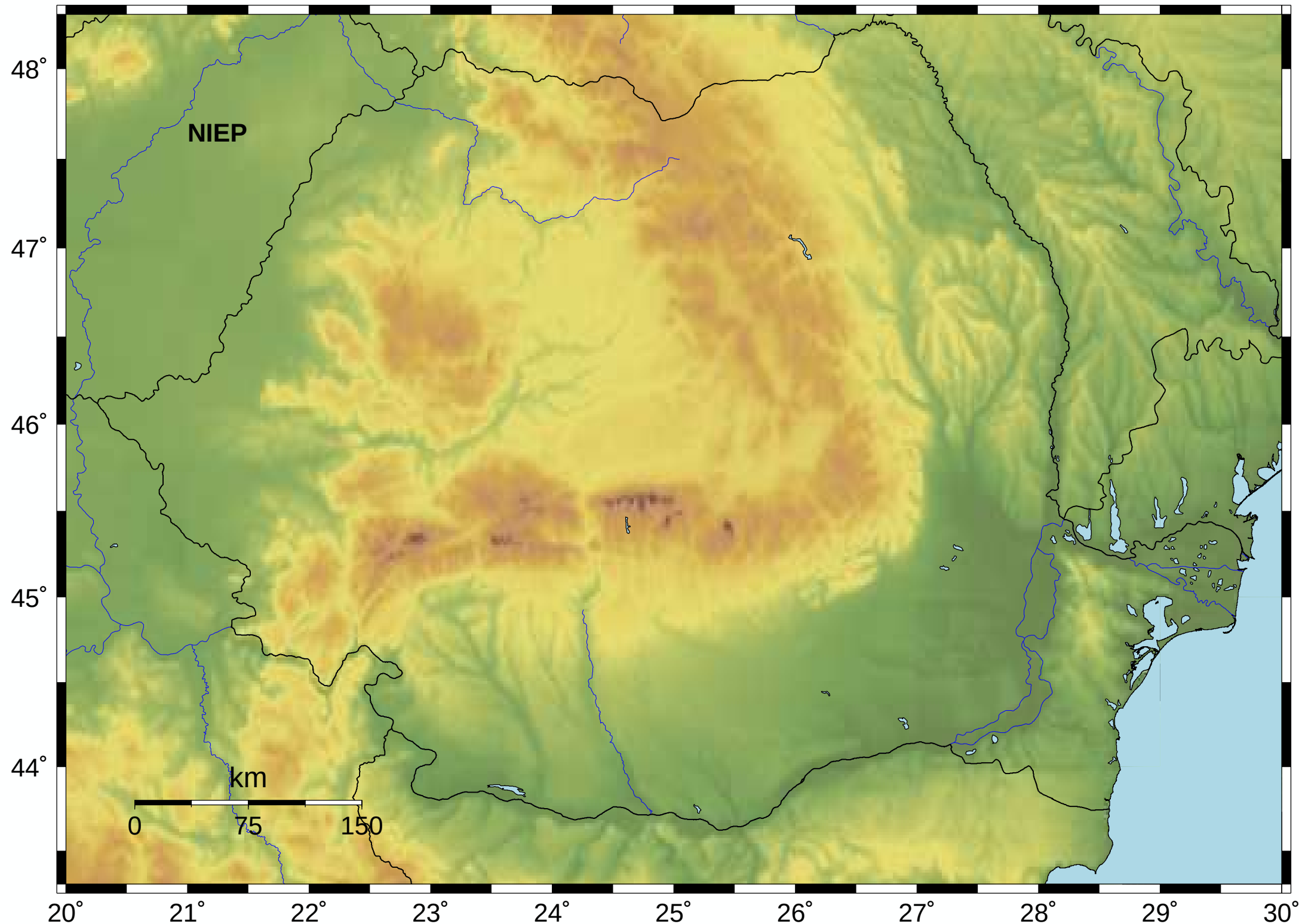
1 BURAR_HNE

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

Maximum observed acceleration: BURAR_BHN 0.001

Wed Dec 4, 2019 09:43:28 GMT ML 4.2 Mb N44.16 E30.14 Depth: 8.4km ID:94094328

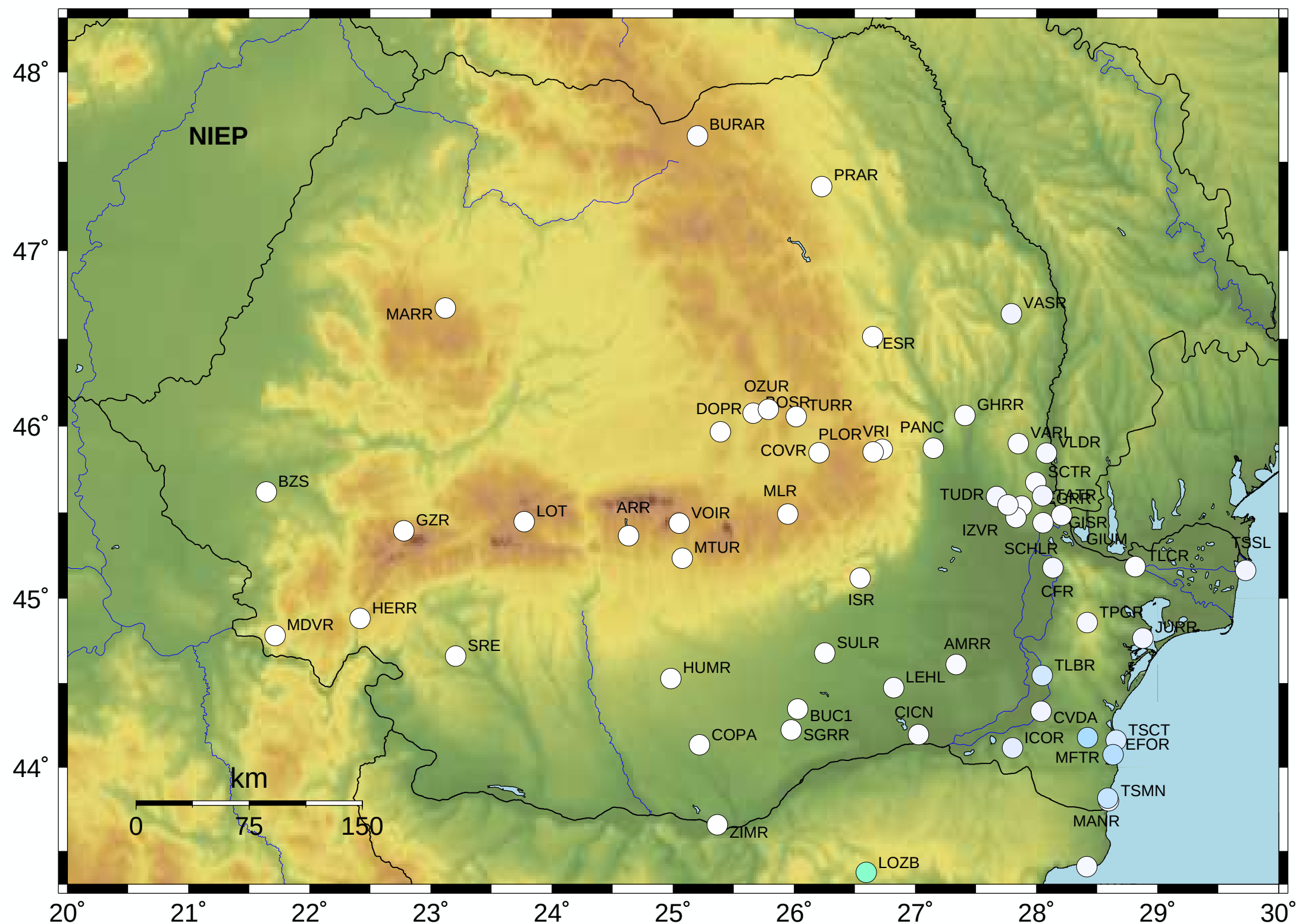
Station	Dist.(km)	Acc.
BURAR	544	0.001



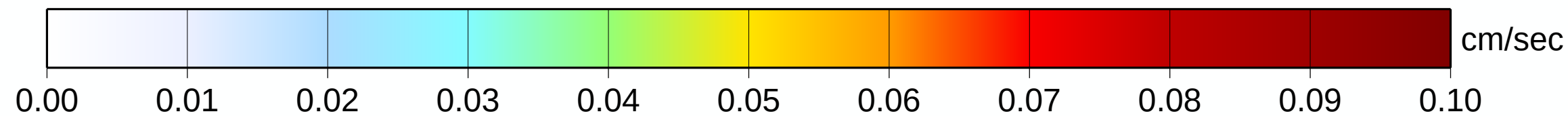
Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: LOZB_HHN 0.034

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Station	Dist.(km)	Velocity
LOZB	297	0.034
MFTR	136	0.020
EFOR	120	0.018
MANR	129	0.016
TLBR	171	0.014
TSCT	117	0.014
ICOR	186	0.011
TSMN	129	0.008
TSSL	116	0.007
VASR	331	0.007
CVDA	168	0.007
TATR	229	0.007
JURR	120	0.007
TUDR	251	0.006
CFR	194	0.006
TPGR	156	0.006
VLDR	247	0.005
KALB	161	0.005
GIUM	211	0.004
GISR	217	0.004
IZVR	242	0.004
SCHLR	233	0.004
CICN	248	0.003
AMRR	228	0.003
SCTR	238	0.003
LEHL	266	0.003
VARL	264	0.003
BURAR	544	0.003
NEGRR	234	0.003
TLCR	154	0.002
GHRR	300	0.002
SULR	313	0.002
HUMR	412	0.002
OZUR	403	0.001
PANC	302	0.001

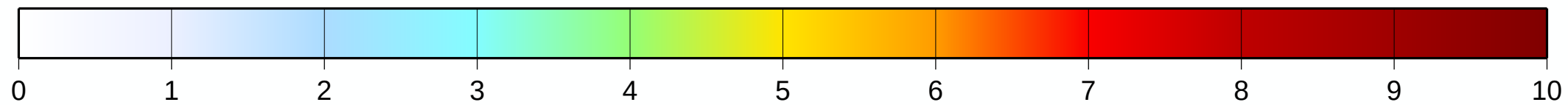
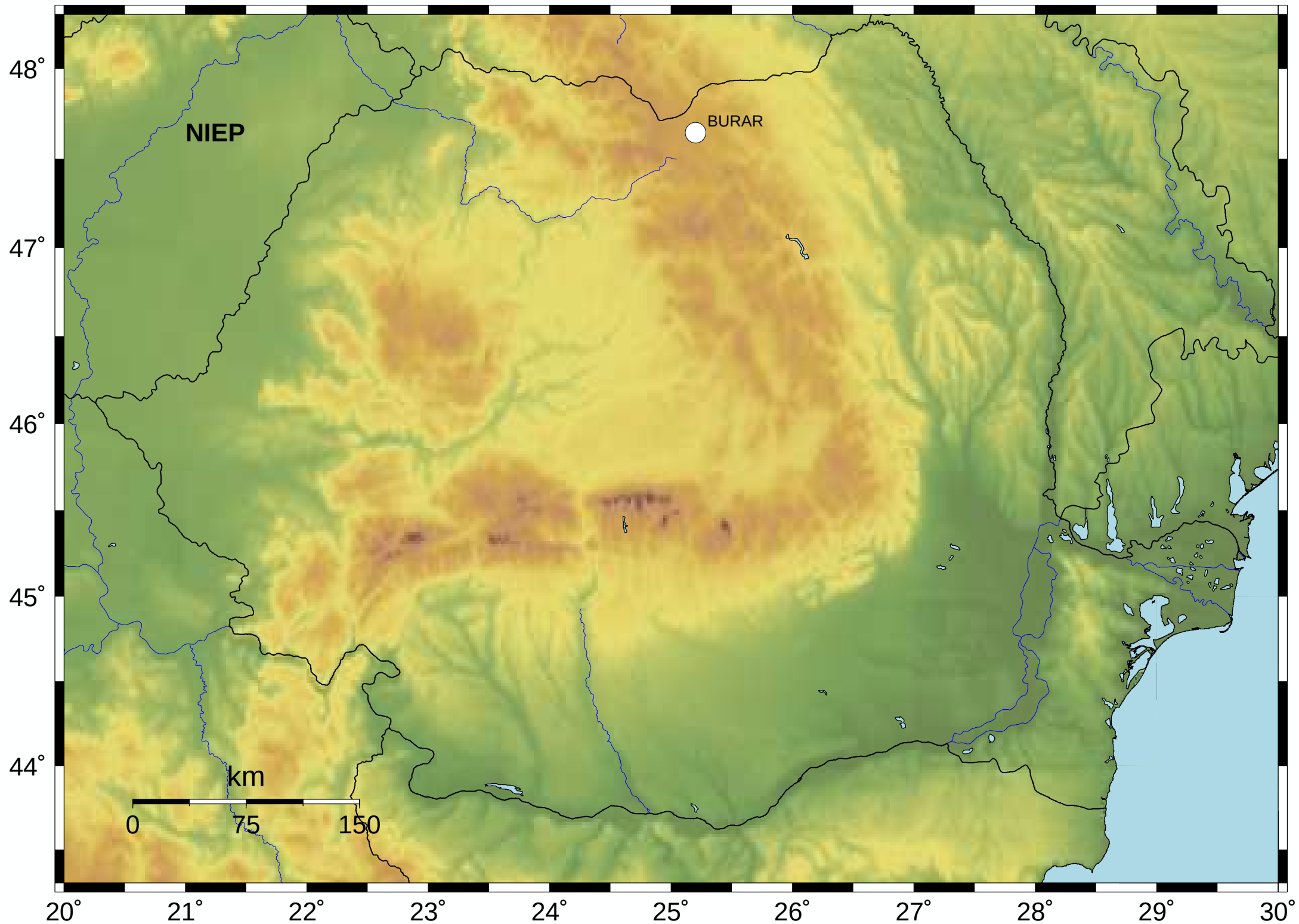


MSK macroseismic intensities map

Maximum MSK intensity: BURAR_HNE

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Station Dist.(km) IMSK



MSK intensity scale