

Antelope - associated stations measurements on atlas2 ronet database

ROMANIA - evid 15234713

Date	Time	Lat	Lon	Depth	ml	mb	orid
2022/12/15	23:47:13.399	45.735	26.671	87.7	4.1		90
Sta	Chan	PGV	PGA				
* 1 NEHR	HHE	-0.00					
	NEHR	HHZ	0.00				
	NEHR	HHN	-0.00				
	NEHR	HNZ	-0.19				
	NEHR	HNE	0.28				
	NEHR	HNN	0.32				
* 2 CICN	HHE	0.02					
	CICN	HHZ	-0.01				
	CICN	HHN	-0.01				
* 3 IASR	HHE	0.01					
	IASR	HHZ	0.01				
	IASR	HHN	0.01				
* 4 TSMN	EHE	-0.00					
	TSMN	EHN	-0.00				
	TSMN	EHZ	0.00				
* 5 NEGRR	HHE	0.01					
	NEGRR	HHZ	0.01				
	NEGRR	HHN	-0.01				
* 6 BLKB	HHE	0.00					
	BLKB	HHZ	0.00				
	BLKB	HHN	0.00				
* 7 GIUM	EHE	-0.01					
	GIUM	EHN	-0.01				
	GIUM	EHZ	0.01				
* 8 KALB	HHE	0.00					
	KALB	HHZ	0.00				
	KALB	HHN	0.00				
* 9 ARCR	HHE	0.00					
	ARCR	HHZ	0.00				
	ARCR	HHN	0.00				
* 10 SGRR	EHE	0.00					
	SGRR	EHN	0.00				
	SGRR	EHZ	-0.00				
* 11 TLBR	HHE	-0.02					
	TLBR	HHZ	0.02				
	TLBR	HHN	-0.02				
	TLBR	HNZ	0.80				
	TLBR	HNE	-0.66				
	TLBR	HNN	-0.70				
* 12 TNR	HHE	0.00					
	TNR	HHZ	0.00				
	TNR	HHN	0.00				
* 13 CJR	HHE	-0.00					
	CJR	HHZ	0.00				
	CJR	HHN	-0.00				
* 14 STFAR	HHE	0.00					
	STFAR	HHZ	0.00				
	STFAR	HHN	0.00				

*	15	PLVB	HHE	-0.00	
		PLVB	HHZ	0.00	
		PLVB	HHN	0.00	
*	16	TIRR	HHE	-0.00	
		TIRR	HHZ	0.00	
		TIRR	HHN	-0.00	
*	17	TPGR	HHE	0.00	
		TPGR	HHZ	0.00	
		TPGR	HHN	-0.00	
		TPGR	HNZ		0.13
		TPGR	HNE		-0.16
		TPGR	HNN		-0.16
*	18	RMGR	HHE	-0.00	
		RMGR	HHZ	0.00	
		RMGR	HHN	-0.00	
*	19	MLR	HHE	0.00	
		MLR	HHZ	-0.00	
		MLR	HHN	-0.00	
		MLR	HNZ		0.07
		MLR	HNE		0.07
		MLR	HNN		-0.09
*	20	ELND	HHE	-0.00	
		ELND	HHZ	0.00	
		ELND	HHN	-0.00	
*	21	COPA	HHE	-0.00	
		COPA	HHZ	-0.00	
		COPA	HHN	-0.00	
*	22	GIRR	HHE	-0.01	
		GIRR	HHZ	-0.00	
		GIRR	HHN	-0.01	
*	23	VLDR	HHE	-0.03	
		VLDR	HHZ	-0.02	
		VLDR	HHN	0.03	
		VLDR	HNZ		1.82
		VLDR	HNE		1.88
		VLDR	HNN		-1.68
*	24	VLAD	HHE	0.00	
		VLAD	HHZ	-0.01	
		VLAD	HHN	0.00	
*	25	TESR	HHE	-0.01	
		TESR	HHZ	-0.00	
		TESR	HHN	0.01	
		TESR	HNZ		0.23
		TESR	HNE		-0.33
		TESR	HNN		-0.32
*	26	MANR	HHE	0.00	
		MANR	HHZ	0.00	
		MANR	HHN	0.00	
*	27	VOIR	HHE	0.00	
		VOIR	HHZ	0.00	
		VOIR	HHN	-0.00	
		VOIR	HNZ		-0.03
		VOIR	HNE		-0.03
		VOIR	HNN		0.03
*	28	NGRR	HHE	0.04	
		NGRR	HHZ	0.02	
		NGRR	HHN	-0.03	
*	29	CFR	HHE	0.01	
		CFR	HHZ	-0.01	
		CFR	HHN	0.01	
*	30	GZR	HHE	0.00	
		GZR	HHZ	-0.00	
		GZR	HHN	0.00	
*	31	PRAR	HHE	0.00	
		PRAR	HHZ	-0.00	
		PRAR	HHN	0.00	
*	32	BISRR	HHE	0.02	

		BISRR	HHZ	-0.01	
		BISRR	HHN	-0.01	
		BISRR	HNZ		0.38
		BISRR	HNE		0.26
		BISRR	HNN		-0.24
*	33	BIZ	HHE	-0.00	
		BIZ	HHZ	-0.00	
		BIZ	HHN	-0.00	
*	34	LOZB	HHE	-0.01	
		LOZB	HHZ	-0.00	
		LOZB	HHN	0.04	
*	35	INCR	EHE	-0.00	
		INCR	EHN	-0.00	
		INCR	EHZ	-0.00	
*	36	MDVR	HHE	0.00	
		MDVR	HHZ	0.00	
		MDVR	HHN	0.00	
*	37	HARR	HHE	-0.01	
		HARR	HHZ	-0.01	
		HARR	HHN	-0.01	
*	38	SCHL	HHE	-0.01	
		SCHL	HHZ	-0.01	
		SCHL	HHN	0.01	
		SCHL	HNZ		0.75
		SCHL	HNE		-0.46
		SCHL	HNN		0.37
*	39	MFTR	HHE	0.01	
		MFTR	HHZ	0.01	
		MFTR	HHN	0.01	
*	40	BURAR	BHZ	0.01	
		BURAR	BHN	0.00	
		BURAR	BHE	0.00	
		BURAR	BHZ		0.00
		BURAR	BHN		0.00
		BURAR	BHE		-0.00
*	41	SAHR	HHE	0.10	
		SAHR	HHZ	-0.02	
		SAHR	HHN	-0.01	
*	42	BOSR	HHE	0.01	
		BOSR	HHZ	0.00	
		BOSR	HHN	0.00	
*	43	ZIMR	HHE	0.01	
		ZIMR	HHZ	-0.00	
		ZIMR	HHN	-0.01	
*	44	TSCT	EHE	0.01	
		TSCT	EHN	-0.01	
		TSCT	EHZ	0.00	
*	45	LEHL	HHE	-0.02	
		LEHL	HHZ	-0.01	
		LEHL	HHN	-0.02	
		LEHL	HNZ		-0.56
		LEHL	HNE		1.33
		LEHL	HNN		-0.77
*	46	COPR	EHZ	-0.00	
*	47	PANC	HHE	-0.03	
		PANC	HHZ	0.03	
		PANC	HHN	0.60	
		PANC	HNZ		1.21
		PANC	HNE		1.29
		PANC	HNN		-0.99
*	48	ODSR	HHE	-0.00	
		ODSR	HHZ	0.00	
		ODSR	HHN	0.00	
*	49	HERR	HHE	0.00	
		HERR	HHZ	-0.00	
		HERR	HHN	-0.00	
*	50	DOPR	HHE	-0.00	

	DOPR	HHZ	0.00	
	DOPR	HHN	-0.00	
	DOPR	HNZ		0.06
	DOPR	HNE		-0.08
	DOPR	HNN		-0.09
*	51	GISR	EHE	-0.00
		GISR	EHN	-0.01
		GISR	EHZ	0.01
*	52	MDB	HHE	0.00
		MDB	HHZ	-0.00
		MDB	HHN	0.00
*	53	SCHLR	HHE	-0.01
		SCHLR	HHZ	0.01
		SCHLR	HHN	-0.01
*	54	TGSR	HHE	0.00
		TGSR	HHZ	0.01
		TGSR	HHN	0.01
*	55	JOSR	HHE	-0.00
		JOSR	HHZ	0.00
		JOSR	HHN	0.00
*	56	RAZG	HHE	0.01
		RAZG	HHZ	-0.00
		RAZG	HHN	-0.10
*	57	ONER	HHE	0.00
		ONER	HHZ	0.00
		ONER	HHN	0.00
*	58	CVSR	HHE	-0.01
		CVSR	HHZ	-0.01
		CVSR	HHN	0.01
*	59	BAIL	HHE	0.00
		BAIL	HHZ	0.00
		BAIL	HHN	-0.00
*	60	CVDA	EHE	-0.00
		CVDA	EHN	0.00
		CVDA	EHZ	-0.00
*	61	VRI	HHE	0.04
		VRI	HHZ	-0.01
		VRI	HHN	0.01
		VRI	HNZ	-0.37
		VRI	HNE	-1.07
		VRI	HNN	0.39
*	62	ICOR	HHE	-0.01
		ICOR	HHZ	0.01
		ICOR	HHN	-0.01
*	63	SURR	HHE	-0.00
		SURR	HHZ	-0.00
		SURR	HHN	-0.00
*	64	BUC1	HHE	0.00
		BUC1	HHZ	-0.00
		BUC1	HHN	-0.01
*	65	IBZR	HHE	0.01
		IBZR	HHZ	-0.00
		IBZR	HHN	0.02
*	66	HUMR	HHE	-0.28
		HUMR	HHZ	-0.00
		HUMR	HHN	-0.24
*	67	DRGR	HHE	0.00
		DRGR	HHZ	0.00
		DRGR	HHN	0.00
		DRGR	HNZ	0.00
		DRGR	HNE	0.00
		DRGR	HNN	-0.00
*	68	SBDR	EHZ	-0.00
*	69	BIR	HHE	-0.05
		BIR	HHZ	0.03
		BIR	HHN	-0.05
		BIR	HNZ	-1.47

	BIR	HNE		2.65
	BIR	HNN		2.39
* 70	VASR	HHE	0.04	
	VASR	HHZ	-0.02	
	VASR	HHN	-0.13	
* 71	BZS	HHE	0.00	
	BZS	HHZ	-0.00	
	BZS	HHN	-0.00	
* 72	AMRR	HHE	0.01	
	AMRR	HHZ	0.00	
	AMRR	HHN	0.01	
* 73	SRE	HHE	0.00	
	SRE	HHZ	-0.00	
	SRE	HHN	-0.00	
* 74	ARR	HHE	0.00	
	ARR	HHZ	0.00	
	ARR	HHN	0.00	
* 75	TLCR	HHE	-0.00	
	TLCR	HHZ	-0.00	
	TLCR	HHN	0.00	
* 76	TATR	HHE	0.04	
	TATR	HHZ	0.02	
	TATR	HHN	0.02	
	TATR	HNZ		0.99
	TATR	HNE		-2.36
	TATR	HNN		-1.02
* 77	PLOR	HHE	-0.01	
	PLOR	HHZ	-0.00	
	PLOR	HHN	0.01	
	PLOR	HNZ		0.23
	PLOR	HNE		-0.26
	PLOR	HNN		0.26
* 78	LOT	HHE	0.00	
	LOT	HHZ	-0.00	
	LOT	HHN	-0.00	
	LOT	HNZ		-0.02
	LOT	HNE		-0.02
	LOT	HNN		-0.02
* 79	DEV	HHE	-0.00	
	DEV	HHZ	0.00	
	DEV	HHN	-0.00	
* 80	TUDR	HHE	-0.02	
	TUDR	HHZ	-0.02	
	TUDR	HHN	0.02	
	TUDR	HNZ		1.80
	TUDR	HNE		-0.87
	TUDR	HNN		0.85
* 81	IZVR	HHE	0.01	
	IZVR	HHZ	0.00	
	IZVR	HHN	0.01	
* 82	EFOR	HHE	0.01	
	EFOR	HHZ	0.01	
	EFOR	HHN	0.01	
* 83	CRAR	HHE	0.00	
	CRAR	HHZ	-0.00	
	CRAR	HHN	0.00	

* Associated RO stations: 83
Excluded stations:

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

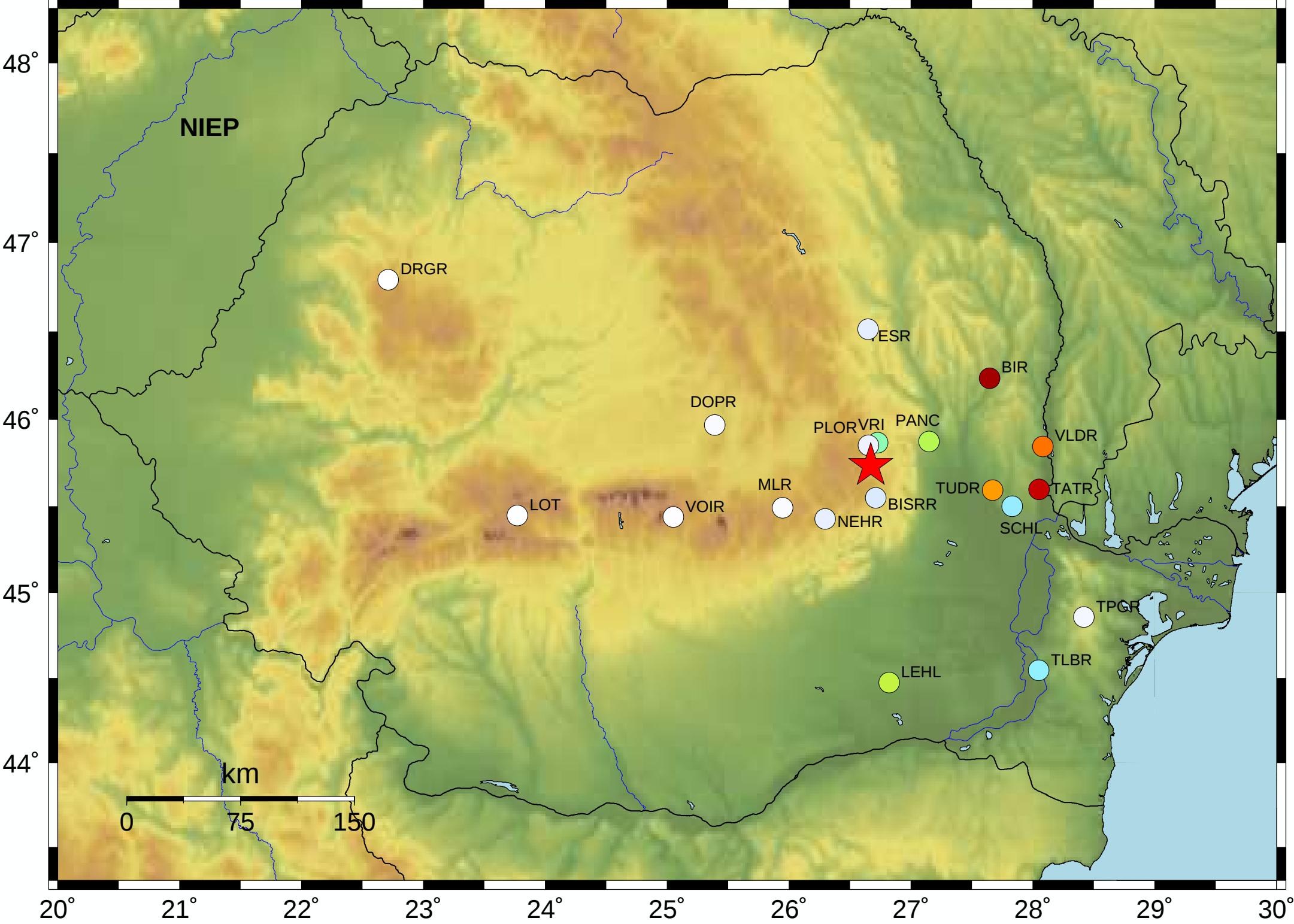
Velocity	PANC_HHN	0.60
Acceleration	BIR_HNE	2.65

Stations max. horizontal acceleration and MSK intensity

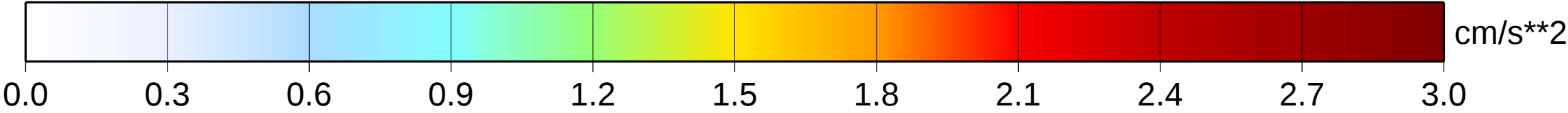
1	BIR_HNE	2.65	II-III
2	BISRR_HNE	0.26	I
3	BURAR_HNE		
4	DOPR_HNN	0.09	-
5	DRGR_HNE	0.00	
6	LEHL_HNE	1.33	II
7	LOT_HNE	0.02	-
8	MLR_HNN	0.09	-
9	NEHR_HNN	0.32	I
10	PANC_HNE	1.29	II
11	PLOR_HNE	0.26	I
12	SCHL_HNE	0.46	I
13	TATR_HNE	2.36	II-III
14	TESR_HNE	0.33	I
15	TLBR_HNN	0.70	I
16	TPGR_HNE	0.16	-
17	TUDR_HNE	0.87	I
18	VLDR_HNE	1.88	II
19	VOIR_HNE	0.03	-
20	VRI_HNE	1.07	II

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

Maximum observed acceleration: BIR_HNE 2.65
Thu Dec 15, 2022 23:47:13 GMT ML 4.1 Mb N45.73 E26.67 Depth: 87.7km ID:15234713

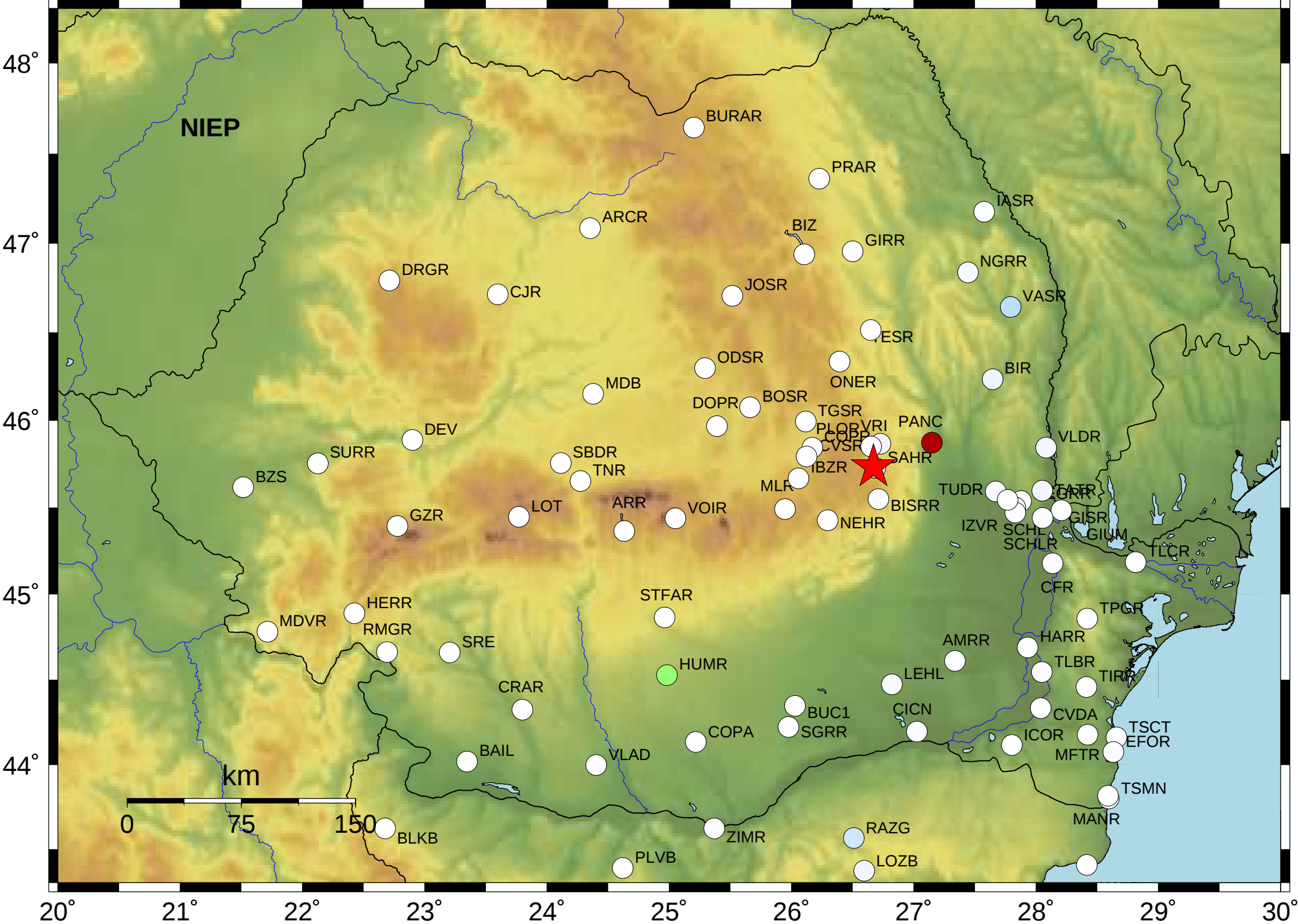


Station	Dist.(km)	Acc.
BIR	93	2.65
TATR	108	2.36
VLDR	109	1.88
TUDR	79	1.80
LEHL	140	1.33
PANC	39	1.29
VRI	15	1.07
TLBR	170	0.80
SCHL	93	0.75
BISRR	21	0.38
TESR	86	0.33
NEHR	45	0.32
PLOR	13	0.26
TPGR	168	0.16
DOPR	102	0.09
MLR	62	0.09
VOIR	130	0.03
LOT	228	0.02
DRGR	326	0.00
BURAR	240	0.00

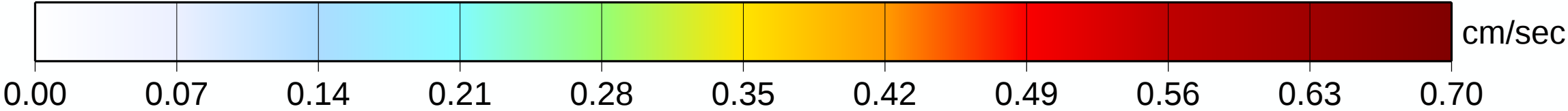


Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: PANC_HHN 0.60
Thu Dec 15, 2022 23:47:13 GMT ML 4.1 Mb N45.73 E26.67 Depth: 87.7km ID:15234713



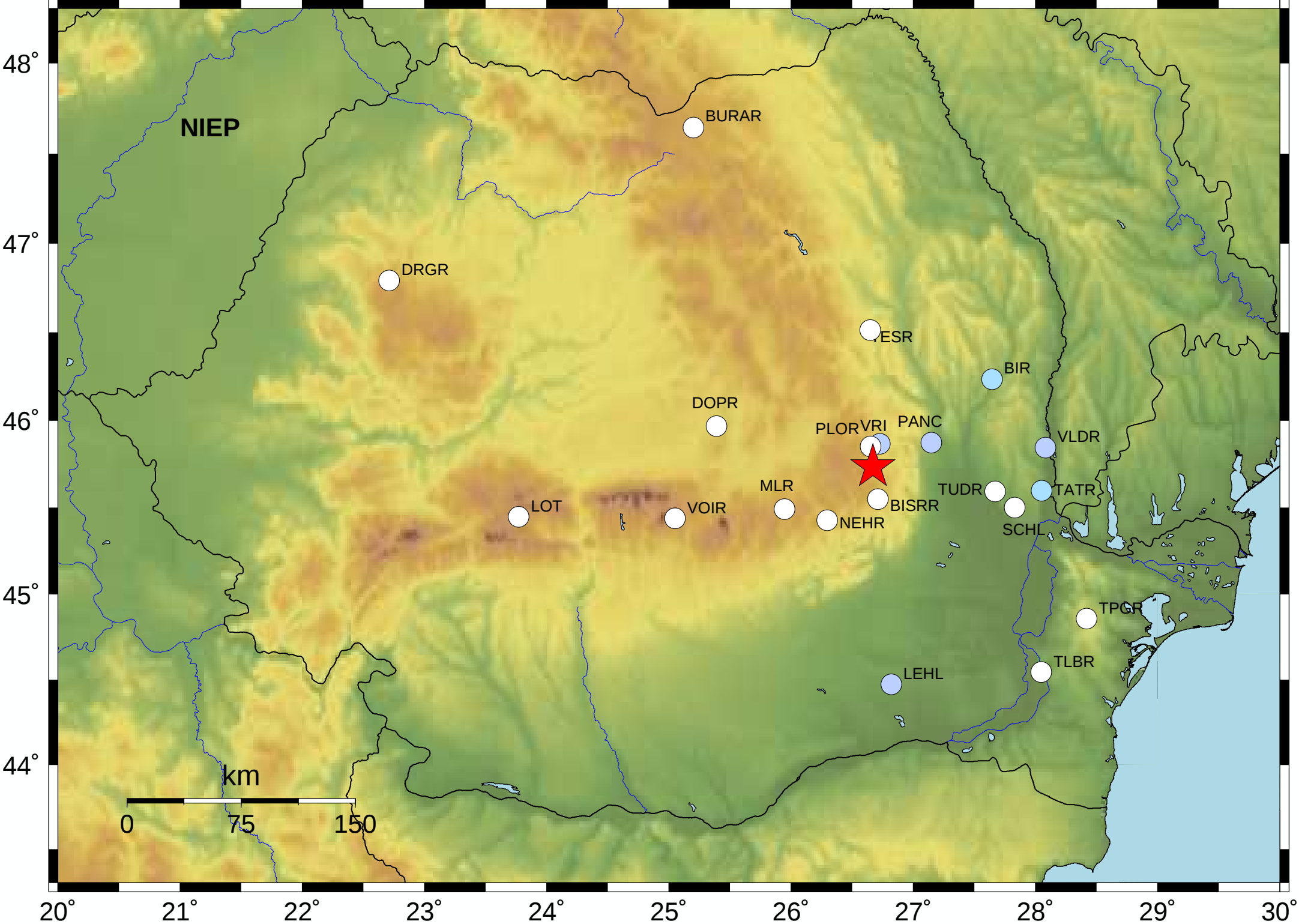
Station	Dist.(km)	Velocity
PANC	39	0.60
HUMR	188	0.28
VASR	132	0.13
RAZG	241	0.10
SAHR	1	0.10
BIR	93	0.05
VRI	15	0.04
LOZB	263	0.04
TATR	108	0.04
NGRR	136	0.04
VLDR	109	0.03
LEHL	140	0.02
TUDR	79	0.02
IBZR	48	0.02
TLBR	170	0.02
BISRR	21	0.02
CICN	173	0.02
GIRR	136	0.01
NEGRR	96	0.01
ZIMR	256	0.01
GISR	112	0.01
CFR	129	0.01
ICOR	200	0.01
SCHL	93	0.01
IZVR	87	0.01
CVSR	42	0.01
PLOR	13	0.01
HARR	152	0.01
SCHLR	94	0.01
IASR	174	0.01
MFTR	221	0.01
GIUM	122	0.01
TESR	86	0.01
BURAR	240	0.01
EFOR	240	0.01



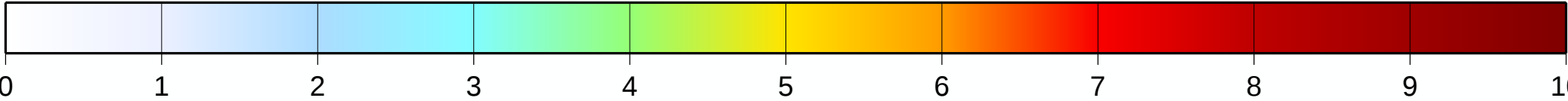
Stations intensities

Maximum intensity: BIR

Thu Dec 15, 2022 23:47:13 GMT ML 4.1 Mb N45.73 E26.67 Depth: 87.7km ID:15234713



Station	Dist.(km)	Imsk
TATR	108	II-III
BIR	93	II-III
VRI	15	II
VLDR	110	II
PANC	40	II
LEHL	141	II
TUDR	79	I
TLBR	171	I
TESR	86	I
SCHL	94	I
PLOR	13	I
NEHR	45	I
BISRR	21	I
VOIR	130	-
TPGR	168	-
MLR	63	-
LOT	228	-
DOPR	103	-



MSK intensity scale