

Antelope - associated stations measurements on atlas24 ronet database

ROMANIA - evid 91034001

Date	Time	Lat	Lon	Depth	ml	mb	orid
2025/12/01	03:40:01.238	45.673	26.539	139.4	3.8		12
Sta	Chan	PGV	PGA				
* 1 MTUR	EHZ	0.00					
	MTUR	HNE	-0.02				
	MTUR	HNZ	-0.04				
	MTUR	HNN	-0.03				
* 2 VLAD	HHZ	0.00					
	VLAD	HHN	0.00				
	VLAD	HHE	-0.00				
	VLAD	HNE	0.06				
	VLAD	HNN	-0.07				
	VLAD	HNZ	0.16				
* 3 BAIL	HHZ	0.00					
	BAIL	HHN	-0.00				
	BAIL	HHE	-0.00				
	BAIL	HNZ	0.39				
	BAIL	HNN	-0.27				
	BAIL	HNE	-0.21				
* 4 TATR	HHN	-0.01					
	TATR	HHZ	0.00				
	TATR	HHE	0.00				
	TATR	HNE	-0.23				
	TATR	HNZ	0.34				
	TATR	HNN	0.25				
* 5 VARL	HHE	0.01					
	VARL	HHZ	-0.00				
	VARL	HHN	0.00				
	VARL	HNE	-0.20				
	VARL	HNZ	0.19				
	VARL	HNN	-0.27				
* 6 RAZG	HHE	-0.00					
	RAZG	HHN	-0.00				
	RAZG	HHZ	-0.00				
	RAZG	HNE	-0.06				
	RAZG	HNN	0.06				
	RAZG	HNZ	-0.06				
* 7 BIR	HHE	-0.01					
	BIR	HHN	0.01				
	BIR	HHZ	0.01				
	BIR	HNN	0.37				
	BIR	HNZ	0.28				
	BIR	HNE	-0.51				
* 8 LOT	HHN	-0.00					
	LOT	HHZ	-0.00				
	LOT	HHE	-0.00				
	LOT	HNE	0.01				
	LOT	HNN	0.01				
	LOT	HNZ	0.02				

*	9	TUDR	HHZ	0.01	
		TUDR	HHN	0.01	
		TUDR	HHE	0.00	
		TUDR	HNZ		0.54
		TUDR	HNN		-0.30
		TUDR	HNE		0.22
*	10	NEGRR	HHN	-0.00	
		NEGRR	HHZ	-0.00	
		NEGRR	HHE	-0.00	
		NEGRR	HNN		0.05
		NEGRR	HNZ		0.09
		NEGRR	HNE		0.08
*	11	TNR	HHE	0.00	
		TNR	HHZ	0.00	
		TNR	HHN	0.00	
		TNR	HNE		0.02
		TNR	HNZ		0.02
		TNR	HNN		0.02
*	12	VRI	HHE	-0.01	
		VRI	HHZ	0.00	
		VRI	HHN	0.00	
		VRI	HNZ		-0.03
		VRI	HNN		-0.05
		VRI	HNE		0.17
*	13	BUC1	HHZ	-0.00	
		BUC1	HHN	0.00	
		BUC1	HHE	-0.00	
		BUC1	HNN		-0.07
		BUC1	HNZ		-0.16
		BUC1	HNE		0.07
*	14	PLOR	HHZ	0.00	
		PLOR	HHN	-0.00	
		PLOR	HHE	0.00	
		PLOR	HNE		0.06
		PLOR	HNN		-0.05
		PLOR	HNZ		-0.04
*	15	HUMR	HHZ	-0.00	
		HUMR	HHN	-0.00	
		HUMR	HHE	-0.00	
		HUMR	HNE		0.12
		HUMR	HNN		-0.11
		HUMR	HNZ		0.22
*	16	GIUM	EHZ	-0.00	
		GIUM	EHN	0.00	
		GIUM	EHE	-0.00	
		GIUM	HNE		-0.17
		GIUM	HNN		0.10
		GIUM	HNZ		0.33
*	17	MARR	HHE	-0.00	
		MARR	HHN	-0.00	
		MARR	HHZ	0.00	
		MARR	HNE		0.00
		MARR	HNN		-0.00
		MARR	HNZ		-0.00
*	18	TPGR	HHN	-0.00	
		TPGR	HHZ	-0.00	
		TPGR	HHE	0.00	
		TPGR	HNZ		0.04
		TPGR	HNN		-0.03
		TPGR	HNE		-0.03
*	19	TLCR	HHZ	0.00	
		TLCR	HHN	-0.00	
		TLCR	HHE	-0.00	
		TLCR	HNN		0.03

		TLCR	HNZ		0.05
		TLCR	HNE		-0.03
*	20	DALR	HHE	0.00	
		DALR	HHZ	-0.00	
		DALR	HHN	0.00	
		DALR	HNE		0.05
		DALR	HNZ		0.03
		DALR	HNN		0.04
*	21	MLR	HHN	-0.00	
		MLR	HHZ	-0.00	
		MLR	HHE	0.00	
		MLR	HNN		-0.02
		MLR	HNZ		-0.05
		MLR	HNE		-0.02
*	22	BAPR	EHE	0.00	
		BAPR	EHZ	0.00	
		BAPR	EHN	0.00	
		BAPR	HNN		0.09
		BAPR	HNZ		-0.09
		BAPR	HNE		0.05
*	23	PANC	HHE	0.01	
		PANC	HHN	0.00	
		PANC	HHZ	-0.00	
		PANC	HNN		-0.28
		PANC	HNZ		-0.36
		PANC	HNE		0.24
*	24	IBZR	HHE	-0.00	
		IBZR	HHZ	-0.00	
		IBZR	HHN	-0.01	
		IBZR	HNN		-0.10
		IBZR	HNZ		-0.04
		IBZR	HNE		0.11
*	25	HERR	HHN	0.00	
		HERR	HHZ	0.00	
		HERR	HHE	-0.00	
		HERR	HNN		-0.07
		HERR	HNZ		-0.03
		HERR	HNE		-0.05
*	26	SCHL	HHE	0.00	
		SCHL	HHZ	-0.00	
		SCHL	HHN	-0.00	
		SCHL	HNE		-0.11
		SCHL	HNZ		0.21
		SCHL	HNN		-0.14
*	27	EFOR	HHE	0.00	
		EFOR	HHZ	-0.00	
		EFOR	HHN	0.00	
		EFOR	HNE		0.08
		EFOR	HNZ		-0.06
		EFOR	HNN		-0.05
*	28	BOSR	HHZ	-0.00	
		BOSR	HHN	0.00	
		BOSR	HHE	-0.00	
*	29	IASR	HHE	-0.00	
		IASR	HHN	0.00	
		IASR	HHZ	-0.00	
		IASR	HNZ		0.05
		IASR	HNN		0.03
		IASR	HNE		0.03
*	30	NEHR	HHZ	-0.00	
		NEHR	HHN	-0.00	
		NEHR	HHE	0.00	
		NEHR	HNZ		0.06
		NEHR	HNN		0.07

	NEHR	HNE		0.07
*	31	ISR	HHE	-0.00
		ISR	HHZ	0.00
		ISR	HHN	-0.00
		ISR	HNZ	0.05
		ISR	HNN	-0.09
		ISR	HNE	0.09
*	32	SRE	HHE	-0.00
		SRE	HHN	-0.00
		SRE	HHZ	-0.00
		SRE	HNZ	-0.01
		SRE	HNN	-0.02
		SRE	HNE	-0.03
*	33	TCAR	EHE	-0.00
		TCAR	EHN	0.00
		TCAR	EHZ	0.00
		TCAR	HNE	0.01
		TCAR	HNZ	0.02
		TCAR	HNN	0.02
*	34	CFR	HHE	-0.00
		CFR	HHZ	0.00
		CFR	HHN	0.00
		CFR	HNZ	0.17
		CFR	HNN	0.20
		CFR	HNE	-0.15
*	35	AMRR	HHE	-0.00
		AMRR	HHN	-0.00
		AMRR	HHZ	0.00
		AMRR	HNN	-0.12
		AMRR	HNZ	-0.16
		AMRR	HNE	-0.14
*	36	HARR	HHE	0.00
		HARR	HHN	0.00
		HARR	HHZ	-0.00
		HARR	HNE	-0.15
		HARR	HNN	-0.12
		HARR	HNZ	-0.13
*	37	INCR	EHE	-0.00
		INCR	EHZ	-0.00
		INCR	EHN	-0.00
		INCR	HNN	0.06
		INCR	HNZ	-0.13
		INCR	HNE	-0.04
*	38	ELND	HHE	0.00
		ELND	HHZ	0.00
		ELND	HHN	-0.00
		ELND	HNZ	-0.02
		ELND	HNN	0.03
		ELND	HNE	-0.02
*	39	PRAD2	HHE	0.00
		PRAD2	HHN	-0.00
		PRAD2	HHZ	0.00
*	40	BZS	HHN	0.00
		BZS	HHZ	0.00
		BZS	HHE	0.00
		BZS	HNN	-0.02
		BZS	HNZ	-0.00
		BZS	HNE	0.00
*	41	CVSR	HHZ	-0.00
		CVSR	HHN	-0.00
		CVSR	HHE	0.00
		CVSR	HNE	0.05
		CVSR	HNN	0.03
		CVSR	HNZ	0.03

*	42	TULR	HHZ	0.00	
		TULR	HHN	-0.00	
		TULR	HHE	0.00	
*	43	NGRR	HHE	0.00	
		NGRR	HHN	-0.00	
		NGRR	HHZ	0.00	
		NGRR	HNE		-0.07
		NGRR	HNZ		0.17
		NGRR	HNN		-0.06
*	44	SLPR	EHN	-0.00	
		SLPR	EHZ	0.00	
		SLPR	EHE	-0.00	
		SLPR	HNE		0.11
		SLPR	HNN		0.12
		SLPR	HNZ		-0.20
*	45	CRCR	EHZ	0.00	
		CRCR	EHN	0.00	
		CRCR	EHE	-0.00	
		CRCR	HNN		-0.07
		CRCR	HNZ		0.06
		CRCR	HNE		-0.09
*	46	SCTR	HHZ	0.00	
		SCTR	HHN	-0.00	
		SCTR	HHE	-0.00	
		SCTR	HNZ		-0.12
		SCTR	HNN		0.13
		SCTR	HNE		0.16
*	47	LEOM	HHE	-0.01	
		LEOM	HHZ	0.02	
		LEOM	HHN	0.01	
		LEOM	HNE		-0.71
		LEOM	HNN		0.93
		LEOM	HNZ		-1.65
*	48	PRAR	HHE	0.00	
		PRAR	HHZ	0.00	
		PRAR	HHN	0.00	
		PRAR	HNZ		-0.01
		PRAR	HNN		-0.01
		PRAR	HNE		0.01
*	49	DOPR	HHE	-0.00	
		DOPR	HHN	0.00	
		DOPR	HHZ	-0.00	
		DOPR	HNN		0.06
		DOPR	HNZ		-0.08
		DOPR	HNE		-0.06
*	50	CPSR	HHE	-0.00	
		CPSR	HHN	0.00	
		CPSR	HHZ	-0.00	
*	51	COPA	HHE	0.00	
		COPA	HHZ	-0.00	
		COPA	HHN	-0.02	
		COPA	HNZ		0.19
		COPA	HNN		-0.05
		COPA	HNE		-0.06
*	52	SGRR	EHE	0.00	
		SGRR	EHZ	0.01	
		SGRR	EHN	-0.00	
		SGRR	HNZ		-0.06
		SGRR	HNN		-0.03
		SGRR	HNE		-0.03
*	53	TLBR	HHE	0.01	
		TLBR	HHN	0.01	
		TLBR	HHZ	0.01	
		TLBR	HNE		0.24

		TLBR	HNN		-0.23
		TLBR	HNZ		-0.37
*	54	ICOR	HHZ	-0.00	
		ICOR	HHN	0.00	
		ICOR	HHE	0.00	
		ICOR	HNZ		-0.05
		ICOR	HNN		-0.06
		ICOR	HNE		0.05
*	55	BURAR	BHN	0.00	
		BURAR	BHZ	-0.00	
		BURAR	BHE	-0.00	
		BURAR	BHE		-0.00
		BURAR	BHN		-0.00
		BURAR	BHZ		0.00
*	56	VLDR	HHE	0.01	
		VLDR	HHZ	0.01	
		VLDR	HHN	-0.01	
		VLDR	HNN		0.34
		VLDR	HNZ		0.99
		VLDR	HNE		0.26
*	57	ODSR	HHE	0.00	
		ODSR	HHN	-0.00	
		ODSR	HHZ	0.00	
		ODSR	HNZ		0.01
		ODSR	HNN		-0.02
		ODSR	HNE		-0.02
*	58	ARR	HHE	0.00	
		ARR	HHN	0.00	
		ARR	HHZ	0.00	
		ARR	HNN		-0.03
		ARR	HNZ		0.01
		ARR	HNE		-0.01
*	59	TIRR	HHE	-0.00	
		TIRR	HHZ	-0.00	
		TIRR	HHN	-0.00	
		TIRR	HNE		0.05
		TIRR	HNN		0.03
		TIRR	HNZ		-0.03
*	60	STFAR	HHE	0.00	
		STFAR	HHZ	-0.00	
		STFAR	HHN	-0.00	
		STFAR	HNE		0.06
		STFAR	HNN		-0.07
		STFAR	HNZ		0.08
*	61	TESR	HHE	0.00	
		TESR	HHN	-0.00	
		TESR	HHZ	0.00	
		TESR	HNZ		-0.04
		TESR	HNN		-0.02
		TESR	HNE		-0.02
*	62	VOIR	HHE	0.00	
		VOIR	HHZ	0.00	
		VOIR	HHN	-0.00	
		VOIR	HNZ		-0.02
		VOIR	HNN		-0.01
		VOIR	HNE		0.01
*	63	PRAD1	HHZ	0.00	
		PRAD1	HHN	-0.00	
		PRAD1	HHE	-0.00	
*	64	MFTR	HHE	-0.00	
		MFTR	HHZ	0.00	
		MFTR	HHN	-0.00	
		MFTR	HNE		0.09
		MFTR	HNZ		0.11

	MFTR	HNN		0.14
* 65	ONER	HHN	-0.00	
	ONER	HHZ	0.00	
	ONER	HHE	-0.00	
	ONER	HNE		-0.03
	ONER	HNN		-0.05
	ONER	HNZ		0.02
* 66	BUC	HNE		0.03
	BUC	HNZ		-0.12
	BUC	HNN		0.04
* 67	PLAR	EHE	0.00	
	PLAR	EHZ	-0.00	
	PLAR	EHN	0.00	
	PLAR	HNE		-0.09
	PLAR	HNN		-0.09
	PLAR	HNZ		0.23
* 68	MDB	HHN	0.00	
	MDB	HHZ	0.00	
	MDB	HHE	0.00	
	MDB	HNZ		0.00
	MDB	HNN		0.00
	MDB	HNE		0.00
* 69	SULR	HHN	-0.00	
	SULR	HHZ	-0.00	
	SULR	HHE	0.00	
	SULR	HNE		0.15
	SULR	HNN		0.24
	SULR	HNZ		0.11
* 70	VASR	HHE	-0.00	
	VASR	HHN	0.00	
	VASR	HHZ	0.00	
	VASR	HNE		-0.37
	VASR	HNN		-0.43
	VASR	HNZ		0.40
* 71	TSCT	EHN	-0.00	
	TSCT	EHZ	-0.00	
	TSCT	EHE	0.00	
	TSCT	HNN		-0.05
	TSCT	HNZ		-0.03
	TSCT	HNE		-0.05
* 72	CVDA	EHE	-0.00	
	CVDA	EHZ	0.00	
	CVDA	EHN	0.00	
	CVDA	HNZ		0.09
	CVDA	HNN		-0.06
	CVDA	HNE		0.08

* Associated RO stations: 72
Excluded stations:

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

Velocity	COPA_HHN	0.02
Acceleration	LEOM_HNZ	1.65
Horizontal acc.	LEOM_HNN	0.93

Stations max. horizontal acceleration and MSK intensity

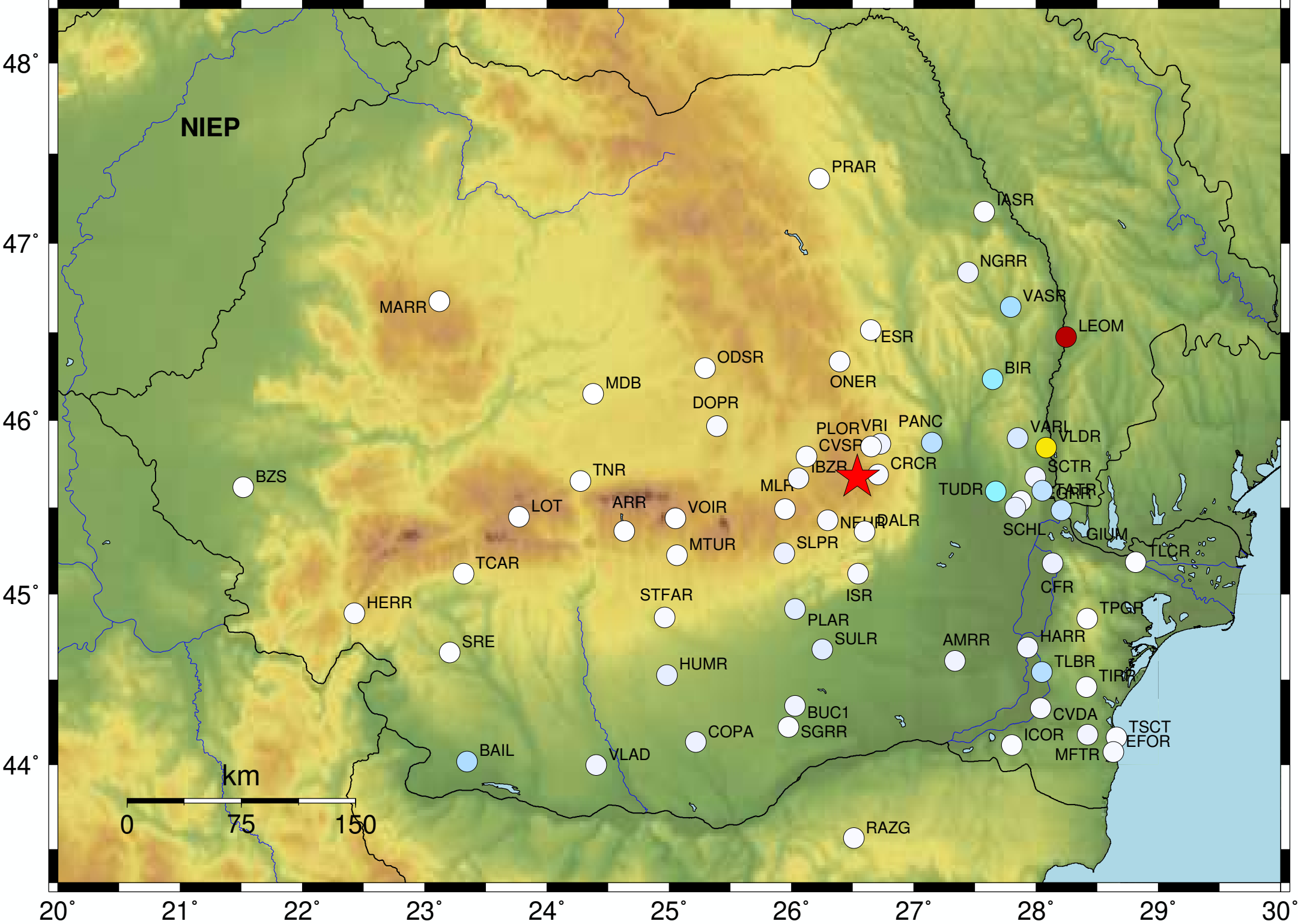
1	AMRR_HNE	0.14	-
2	ARR_HNN	0.03	-
3	BAIL_HNN	0.27	I
4	BAPR_HNN	0.09	-

5	BIR_HNE	0.51	I
6	BUC_HNN	0.04	-
7	BUC1_HNE	0.07	-
8	BURAR_HNE		
9	BZS_HNN	0.02	-
10	CFR_HNN	0.20	-
11	COPA_HNE	0.06	-
12	CRCR_HNE	0.09	-
13	CVDA_HNE	0.08	-
14	CVSR_HNE	0.05	-
15	DALR_HNE	0.05	-
16	DOPR_HNE	0.06	-
17	EFOR_HNE	0.08	-
18	ELND_HNN	0.03	-
19	GIUM_HNE	0.17	-
20	HARR_HNE	0.15	-
21	HERR_HNN	0.07	-
22	HUMR_HNE	0.12	-
23	IASR_HNE	0.03	-
24	IBZR_HNE	0.11	-
25	ICOR_HNN	0.06	-
26	INCR_HNN	0.06	-
27	ISR_HNE	0.09	-
28	LEOM_HNN	0.93	I
29	LOT_HNE	0.01	-
30	MARR_HNE	0.00	
31	MDB_HNE	0.00	
32	MFTR_HNN	0.14	-
33	MLR_HNE	0.02	-
34	MTUR_HNN	0.03	-
35	NEGRR_HNE	0.08	-
36	NEHR_HNE	0.07	-
37	NGRR_HNE	0.07	-
38	ODSR_HNE	0.02	-
39	ONER_HNN	0.05	-
40	PANC_HNN	0.28	I
41	PLAR_HNE	0.09	-
42	PLOR_HNE	0.06	-
43	PRAR_HNE	0.01	-
44	RAZG_HNE	0.06	-
45	SCHL_HNN	0.14	-
46	SCTR_HNE	0.16	-
47	SGRR_HNE	0.03	-
48	SLPR_HNN	0.12	-
49	SRE_HNE	0.03	-
50	STFAR_HNN	0.07	-
51	SULR_HNN	0.24	I
52	TATR_HNN	0.25	I
53	TCAR_HNN	0.02	-
54	TESR_HNE	0.02	-
55	TIRR_HNE	0.05	-
56	TLBR_HNE	0.24	I
57	TLCR_HNE	0.03	-
58	TNR_HNE	0.02	-
59	TPGR_HNE	0.03	-
60	TSCT_HNE	0.05	-
61	TUDR_HNN	0.30	I
62	VARL_HNN	0.27	I
63	VASR_HNN	0.43	I

64	VLAD_HNN	0.07	-
65	VLDR_HNN	0.34	I
66	VOIR_HNE	0.01	-
67	VRI_HNE	0.17	-

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

Maximum observed acceleration: LEOM_HNZ 1.65
Mon Dec 1, 2025 03:40:01 GMT ML 3.8 Mb N45.67 E26.54 Depth: 139.4km ID:91034001

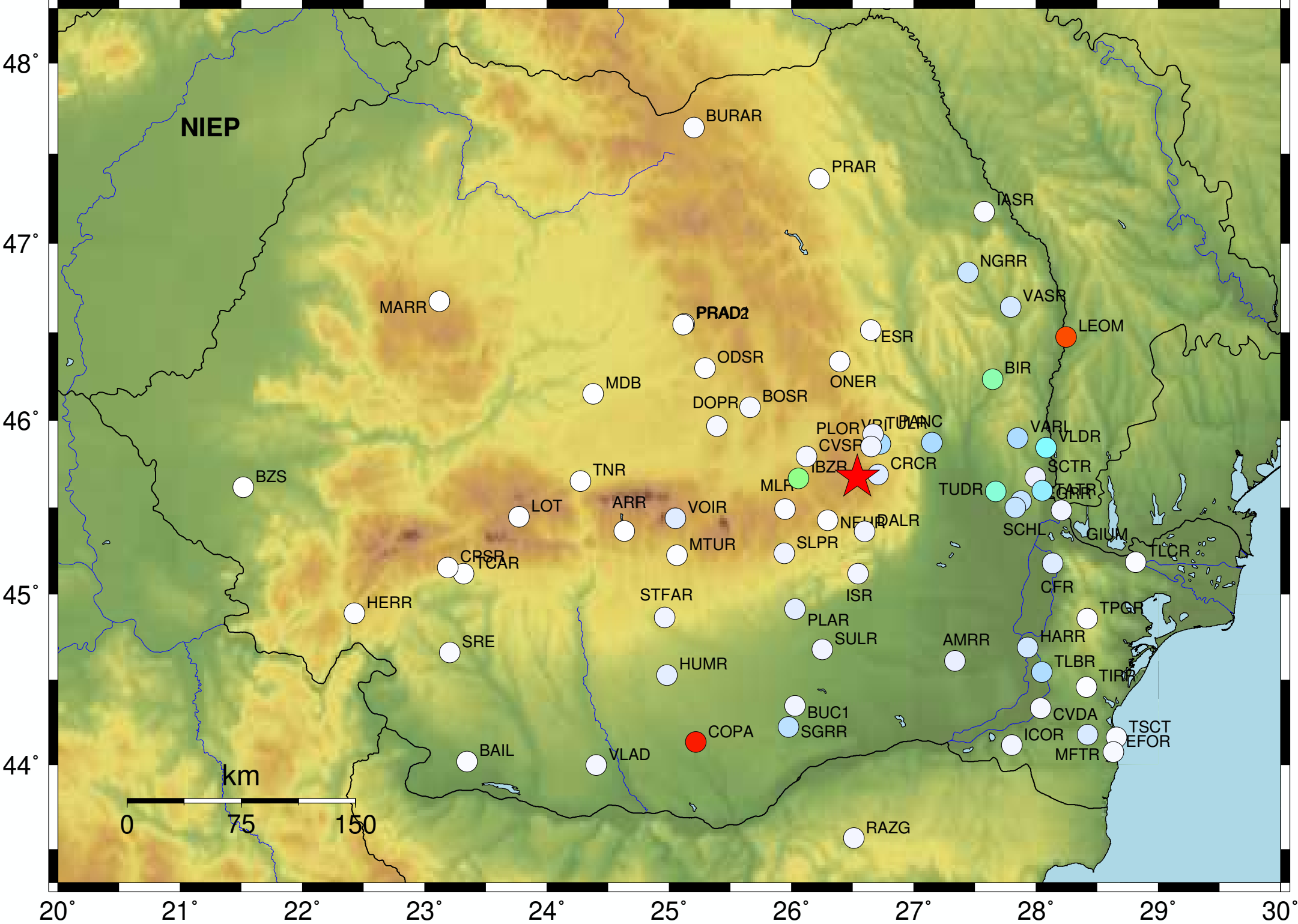


Station	Dist.(km)	Acc.
LEOM	158	1.65
VLDR	121	0.99
TUDR	88	0.54
BIR	105	0.51
VASR	144	0.43
BAIL	311	0.39
TLBR	172	0.37
PANC	52	0.36
TATR	117	0.34
GIUM	131	0.33
VARL	104	0.27
SULR	112	0.24
PLAR	93	0.23
HUMR	176	0.22
SCHL	102	0.21
SLPR	67	0.20
CFR	136	0.20
COPA	200	0.19
VRI	25	0.17
NGRR	146	0.17
BUC1	152	0.16
SCTR	113	0.16
AMRR	133	0.16
VLAD	251	0.16
HARR	154	0.15
MFTR	222	0.14
INCR	140	0.13
BUC	144	0.12
IBZR	37	0.11
CVDA	189	0.09
BAPR	144	0.09
ISR	61	0.09
NEGRR	105	0.09
CRCR	13	0.09
DOPR	94	0.08

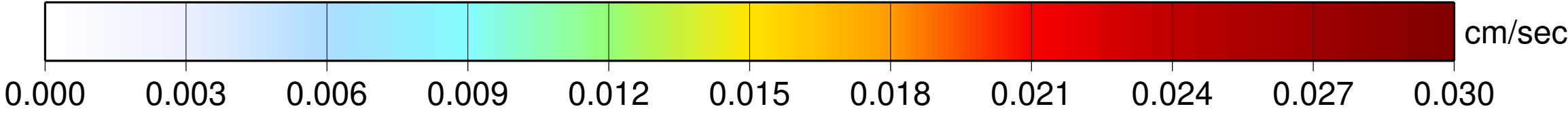


Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: COPA_HHN 0.02
Mon Dec 1, 2025 03:40:01 GMT ML 3.8 Mb N45.67 E26.54 Depth: 139.4km ID:91034001



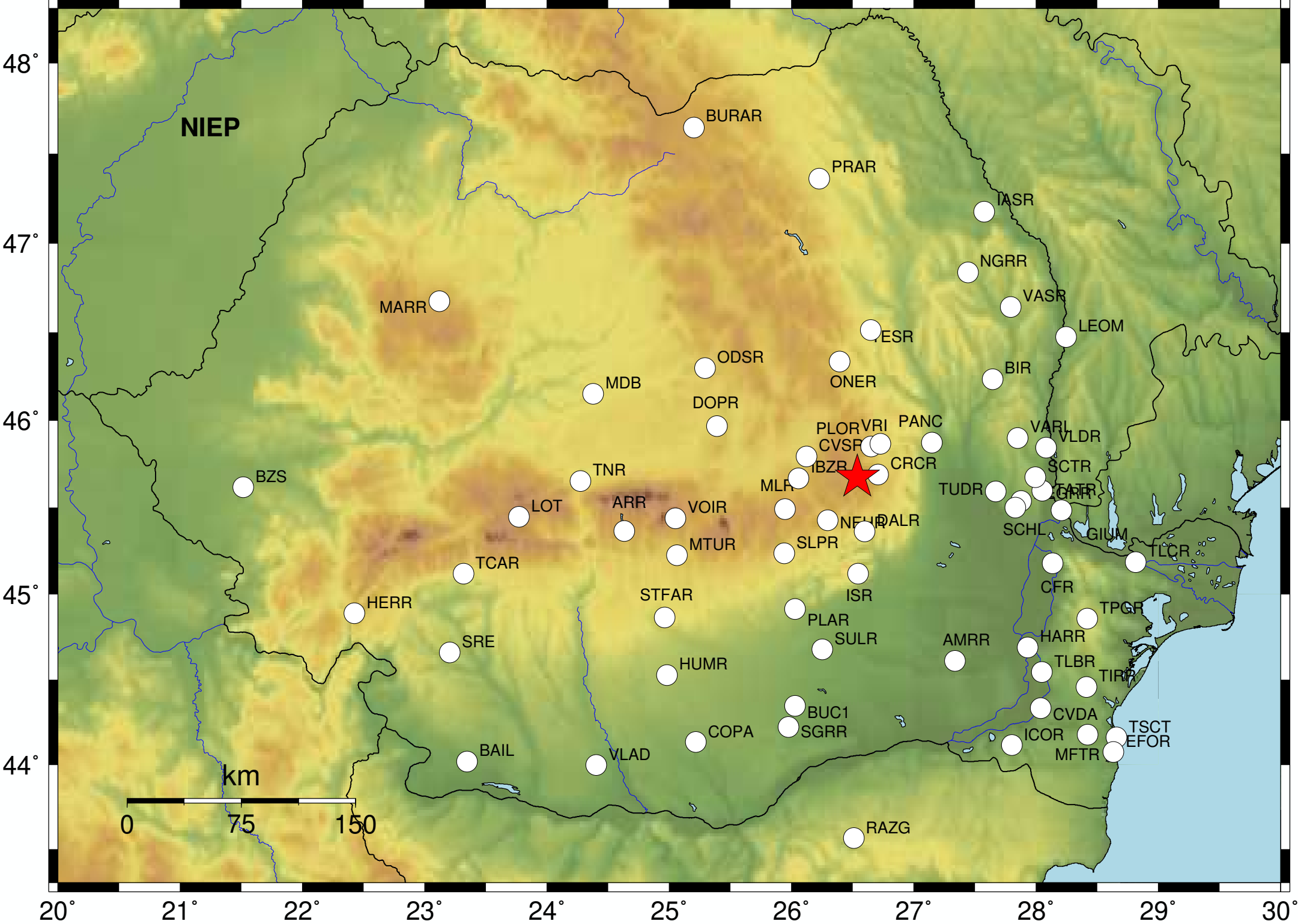
Station	Dist.(km)	Velocity
COPA	200	0.02
LEOM	158	0.02
IBZR	37	0.01
BIR	105	0.01
TUDR	88	0.01
VLDR	121	0.01
TATR	117	0.01
VRI	25	0.01
PANC	52	0.01
VARL	104	0.01
TLBR	172	0.01
SGRR	167	0.01
NEGRR	105	0.00
SCHL	102	0.00
NGRR	146	0.00
HARR	154	0.00
VASR	144	0.00
MFTR	222	0.00
CFR	136	0.00
CRCR	13	0.00
VOIR	118	0.00
PLAR	93	0.00
HUMR	176	0.00
AMRR	133	0.00
SCTR	113	0.00
TULR	29	0.00
SLPR	67	0.00
SULR	112	0.00
BUC1	152	0.00
STFAR	152	0.00
DALR	34	0.00
GIUM	131	0.00
PLOR	21	0.00
ICOR	199	0.00
ISR	61	0.00



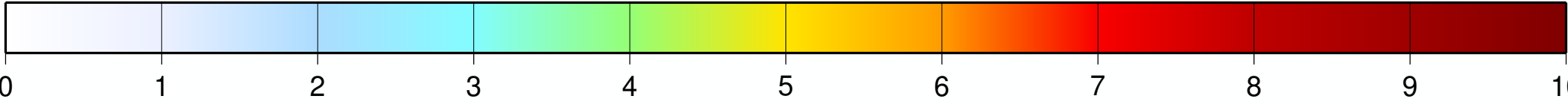
Stations intensities

Maximum intensity: LEOM

Mon Dec 1, 2025 03:40:01 GMT ML 3.8 Mb N45.67 E26.54 Depth: 139.4km ID:91034001



Station	Dist.(km)	lmsk
VLDR	121	I
VASR	145	I
VARL	105	I
TUDR	88	I
TLBR	173	I
TATR	118	I
SULR	113	I
PANC	52	I
LEOM	159	I
BIR	106	I
BAIL	312	I
VRI	26	-
VOIR	119	-
VLAD	251	-
TSCT	237	-
TPGR	173	-
TNR	176	-
TLCR	186	-
TIRR	200	-
TESR	94	-
TCAR	259	-
STFAR	153	-
SRE	285	-
SLPR	67	-
SGRR	167	-
SCTR	113	-
SCHL	102	-
RAZG	234	-
PRAR	188	-
PLOR	22	-
PLAR	93	-
ONER	74	-
ODSR	119	-
NGRR	147	-
NEHR	33	-
NEGRR	105	-



MSK intensity scale