National Institute for Earth Physics
National Seismic Network

INFP

Antelope - associated stations measurements on atlas2 ronet database

ROMANIA - evid 20024432

Date	Time	Lat	Lon	Depth	ml	mb	orid
2023/09/20	02:44:32.242	45.642	26.612	15.9	3.1		8

		Sta	Chan	PGV	PGA
*	1	NEHR	HHE	-0.00	
		NEHR	HHZ	-0.00	
		NEHR	HHN	0.00	
		NEHR	HNZ		0.15
		NEHR	HNE		-0.13
		NEHR	HNN		0.17
*	2	CICN	HHE	0.00	
		CICN	HHZ	0.00	
		CICN	HHN	0.00	
		CICN	HNZ		0.02
		CICN	HNE		0.02
		CICN	HNN		-0.02
*	3	ISR	HHE	0.00	
		ISR	HHZ	-0.00	
		ISR	HHN	-0.00	
		ISR	HNZ		-0.02
		ISR	HNE		-0.05
		ISR	HNN		0.05
*	4	LEHL	HHE	-0.00	
		LEHL	HHZ	0.00	
		LEHL	HHN	0.00	
		LEHL	HNZ		0.03
		LEHL	HNE		-0.03
		LEHL	HNN		0.03
*	5	GRLR	HHE	-0.01	
		GRLR	HHZ	0.01	
		GRLR	HHN	0.01	
		GRLR	HNZ		0.20
		GRLR	HNE		-0.19
		GRLR	HNN		0.21
*	6	COPR	EHZ	0.00	
		COPR	HNZ		-0.04
		COPR	HNE		-0.10
		COPR	HNN		-0.10
*	7	PANC	HHE	-0.00	
		PANC	HHZ	0.00	
		PANC	HHN	-0.00	
		PANC	HNZ		-0.09
		PANC	HNE		0.07
		PANC	HNN		-0.07
*	8	SGRR	EHE	0.00	
		SGRR	EHN	0.00	
		SGRR	EHZ	-0.00	
		SGRR	HNZ		0.01
		SGRR	HNE		0.01
		SGRR	HNN		0.01
*	9	SCTR	HHE	-0.00	
		SCTR	HHZ	0.00	

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      SCTR    HHN      -0.00
      SCTR    HNZ                -0.01
      SCTR    HNE                -0.01
      SCTR    HNN                 0.02
*  10 DOPR    HHE      -0.00
      DOPR    HHZ       0.00
      DOPR    HHN       0.00
      DOPR    HNZ                 0.01
      DOPR    HNE                -0.03
      DOPR    HNN                 0.02
*  11 NARR    HHE       0.02
      NARR    HHZ      -0.01
      NARR    HHN      -0.02
*  12 MDB     HHE      -0.00
      MDB     HHZ      -0.00
      MDB     HHN       0.00
      MDB     HNZ                 0.00
      MDB     HNE                 0.00
      MDB     HNN                 0.00
*  13 BTMR    EHE       0.00
      BTMR    EHN       0.00
      BTMR    EHZ       0.00
      BTMR    HNZ                 0.04
      BTMR    HNE                -0.03
      BTMR    HNN                -0.04
*  14 SULR    HHE      -0.00
      SULR    HHZ       0.00
      SULR    HHN       0.00
      SULR    HNZ                 0.02
      SULR    HNE                -0.03
      SULR    HNN                 0.03
*  15 ONER    HHE      -0.00
      ONER    HHZ       0.00
      ONER    HHN       0.00
      ONER    HNZ                 0.01
      ONER    HNE                 0.01
      ONER    HNN                 0.02
*  16 CPSR    HHE      -0.00
      CPSR    HHZ       0.00
      CPSR    HHN      -0.00
*  17 MLR     HHE       0.00
      MLR     HHZ       0.00
      MLR     HHN      -0.00
      MLR     HNZ                 0.02
      MLR     HNE                 0.02
      MLR     HNN                 0.02
*  18 COPA    HHE      -0.00
      COPA    HHZ      -0.00
      COPA    HHN       0.00
      COPA    HNZ                 0.00
      COPA    HNE                 0.01
      COPA    HNN                 0.01
*  19 CVDA    EHE       0.00
      CVDA    EHN       0.00
      CVDA    EHZ      -0.00
      CVDA    HNZ                 0.02
      CVDA    HNE                -0.03
      CVDA    HNN                -0.02
*  20 GIRR    HHE       0.00
      GIRR    HHZ       0.00
      GIRR    HHN       0.00
      GIRR    HNZ                 0.03
      GIRR    HNE                 0.08
      GIRR    HNN                -0.08
*  21 VLDR    HHE      -0.00
      VLDR    HHZ       0.00
      VLDR    HHN      -0.00
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		VLDR	HNZ		0.03
		VLDR	HNE		0.04
		VLDR	HNN		0.04
*	22	ICOR	HHE	0.00	
		ICOR	HHZ	-0.00	
		ICOR	HHN	-0.00	
		ICOR	HNZ		0.16
		ICOR	HNE		-0.03
		ICOR	HNN		0.02
*	23	VRI	HHE	-0.01	
		VRI	HHZ	-0.00	
		VRI	HHN	-0.01	
		VRI	HNZ		-0.11
		VRI	HNE		-0.32
		VRI	HNN		0.21
*	24	BUC1	HHE	-0.00	
		BUC1	HHZ	0.00	
		BUC1	HHN	-0.00	
		BUC1	HNZ		0.04
		BUC1	HNE		0.02
		BUC1	HNN		0.02
*	25	IBZR	HHE	-0.00	
		IBZR	HHZ	0.00	
		IBZR	HHN	0.01	
		IBZR	HNZ		0.07
		IBZR	HNE		-0.14
		IBZR	HNN		0.19
*	26	NGRR	HHE	-0.00	
		NGRR	HHZ	0.00	
		NGRR	HHN	-0.00	
		NGRR	HNZ		0.02
		NGRR	HNE		0.04
		NGRR	HNN		0.03
*	27	VARL	HHE	-0.00	
		VARL	HHZ	-0.00	
		VARL	HHN	0.00	
		VARL	HNZ		0.01
		VARL	HNE		-0.01
		VARL	HNN		0.02
*	28	BISRR	HHE	0.05	
		BISRR	HHZ	0.05	
		BISRR	HHN	0.05	
		BISRR	HNZ		-1.33
		BISRR	HNE		-0.89
		BISRR	HNN		-0.81
*	29	BUR01	HHE	-0.00	
		BUR01	HHZ	0.00	
		BUR01	HHN	-0.00	
		BUR01	HNZ		0.01
		BUR01	HNE		-0.00
		BUR01	HNN		0.00
*	30	BIR	HHE	0.00	
		BIR	HHZ	-0.00	
		BIR	HHN	-0.00	
		BIR	HNZ		0.02
		BIR	HNE		-0.03
		BIR	HNN		0.03
*	31	VASR	HHE	-0.00	
		VASR	HHZ	-0.00	
		VASR	HHN	0.00	
		VASR	HNZ		0.03
		VASR	HNE		-0.03
		VASR	HNN		0.03
*	32	TULR	HHE	-0.01	
		TULR	HHZ	-0.00	
		TULR	HHN	0.01	
*	33	TLCR	HHE	-0.00	

		TLCR	HHZ	-0.00	
		TLCR	HHN	0.00	
		TLCR	HNZ		-0.00
		TLCR	HNE		0.01
		TLCR	HNN		0.01
*	34	ARR	HHE	0.00	
		ARR	HHZ	-0.00	
		ARR	HHN	-0.00	
		ARR	HNZ		0.01
		ARR	HNE		0.01
		ARR	HNN		-0.01
*	35	PGOR	HHE	-0.00	
		PGOR	HHZ	0.00	
		PGOR	HHN	-0.00	
		PGOR	HNZ		0.31
		PGOR	HNE		-0.14
		PGOR	HNN		0.14
*	36	PLOR	HHE	-0.01	
		PLOR	HHZ	0.00	
		PLOR	HHN	0.01	
		PLOR	HNZ		-0.12
		PLOR	HNE		0.16
		PLOR	HNN		0.15
*	37	LEOM	HHE	-0.00	
		LEOM	HHZ	0.00	
		LEOM	HHN	-0.00	
		LEOM	HNZ		0.01
		LEOM	HNE		-0.02
		LEOM	HNN		-0.02
*	38	LOT	HHE	0.00	
		LOT	HHZ	-0.00	
		LOT	HHN	-0.00	
		LOT	HNZ		0.00
		LOT	HNE		0.01
		LOT	HNN		0.01
*	39	TUDR	HHE	-0.00	
		TUDR	HHZ	0.00	
		TUDR	HHN	0.00	
		TUDR	HNZ		-0.07
		TUDR	HNE		0.02
		TUDR	HNN		-0.03
*	40	MFTR	HHE	-0.00	
		MFTR	HHZ	-0.00	
		MFTR	HHN	-0.00	
		MFTR	HNZ		0.02
		MFTR	HNE		0.02
		MFTR	HNN		0.02
*	41	IZVR	HHE	-0.00	
		IZVR	HHZ	-0.00	
		IZVR	HHN	0.00	
		IZVR	HNZ		0.00
		IZVR	HNE		-0.00
		IZVR	HNN		0.00
*	42	EFOR	HHE	-0.00	
		EFOR	HHZ	-0.00	
		EFOR	HHN	0.00	
		EFOR	HNZ		-0.03
		EFOR	HNE		0.03
		EFOR	HNN		0.03

* Associated RO stations: 42
Excluded stations:

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

Velocity	BISRR_HHZ	0.05	
Acceleration	BISRR_HNZ	1.33	
Horizontal acc.	BISRR_HNE		0.89

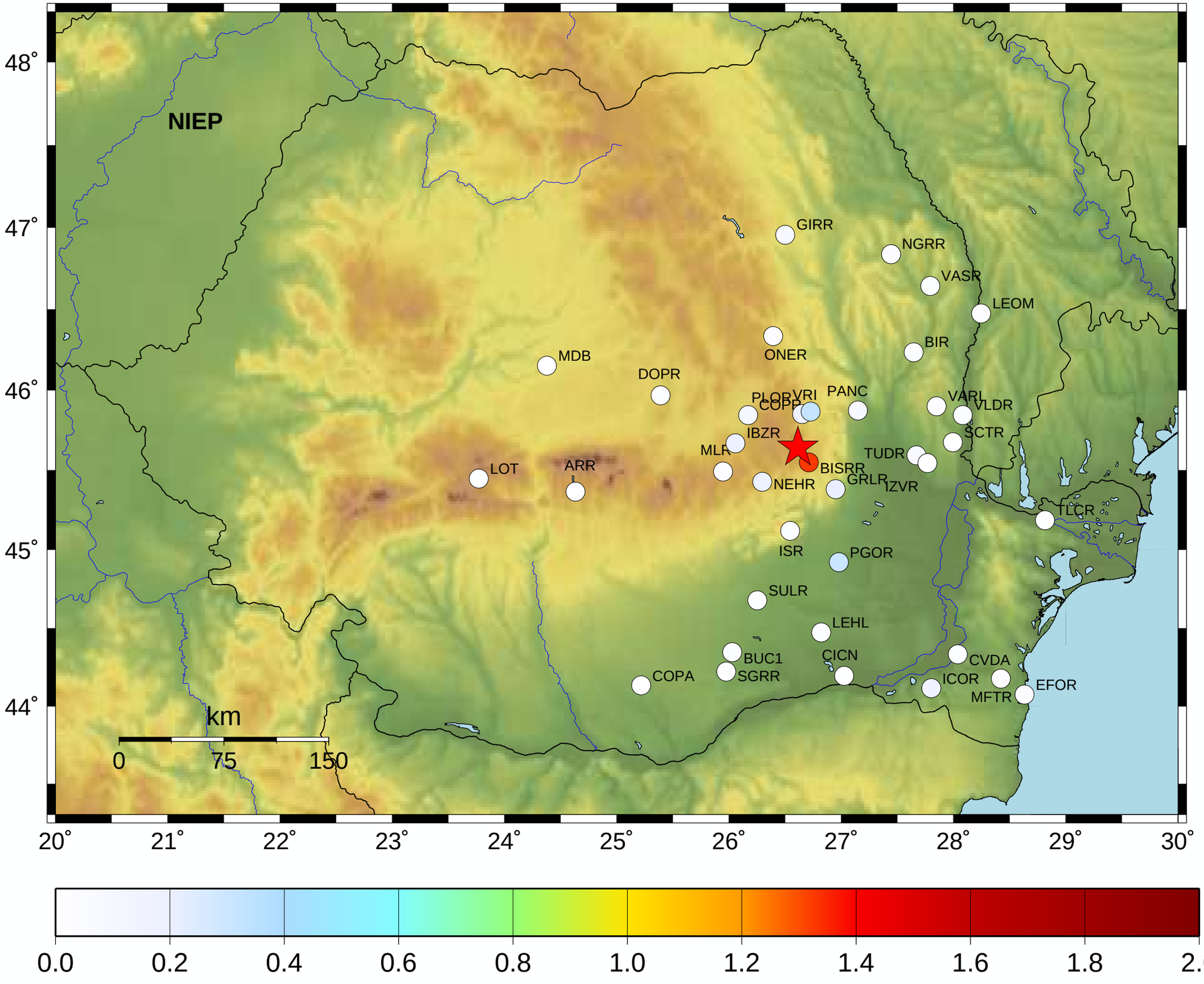
Stations max. horizontal acceleration and MSK intensity

1	ARR_HNE	0.01	-
2	BIR_HNE	0.03	-
3	BISRR_HNE	0.89	II
4	BTMR_HNN	0.04	-
5	BUC1_HNE	0.02	-
6	BUR01_HNE	0.00	
7	CICN_HNE	0.02	-
8	COPA_HNE	0.01	-
9	COPR_HNE	0.10	-
10	CVDA_HNE	0.03	-
11	DOPR_HNE	0.03	-
12	EFOR_HNE	0.03	-
13	GIRR_HNE	0.08	-
14	GRLR_HNN	0.21	I
15	IBZR_HNN	0.19	-
16	ICOR_HNE	0.03	-
17	ISR_HNE	0.05	-
18	IZVR_HNE	0.00	
19	LEHL_HNE	0.03	-
20	LEOM_HNE	0.02	-
21	LOT_HNE	0.01	-
22	MDB_HNE	0.00	
23	MFTR_HNE	0.02	-
24	MLR_HNE	0.02	-
25	NEHR_HNN	0.17	-
26	NGRR_HNE	0.04	-
27	ONER_HNN	0.02	-
28	PANC_HNE	0.07	-
29	PGOR_HNE	0.14	-
30	PLOR_HNE	0.16	-
31	SCTR_HNN	0.02	-
32	SGRR_HNE	0.01	-
33	SULR_HNE	0.03	-
34	TLCR_HNE	0.01	-
35	TUDR_HNN	0.03	-
36	VARL_HNN	0.02	-
37	VASR_HNE	0.03	-
38	VLDR_HNE	0.04	-
39	VRI_HNE	0.32	I

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

Maximum observed acceleration: BISRR_HNZ 1.33

Wed Sep 20, 2023 02:44:32 GMT ML 3.1 Mb N45.64 E26.61 Depth: 15.9km ID:20024432

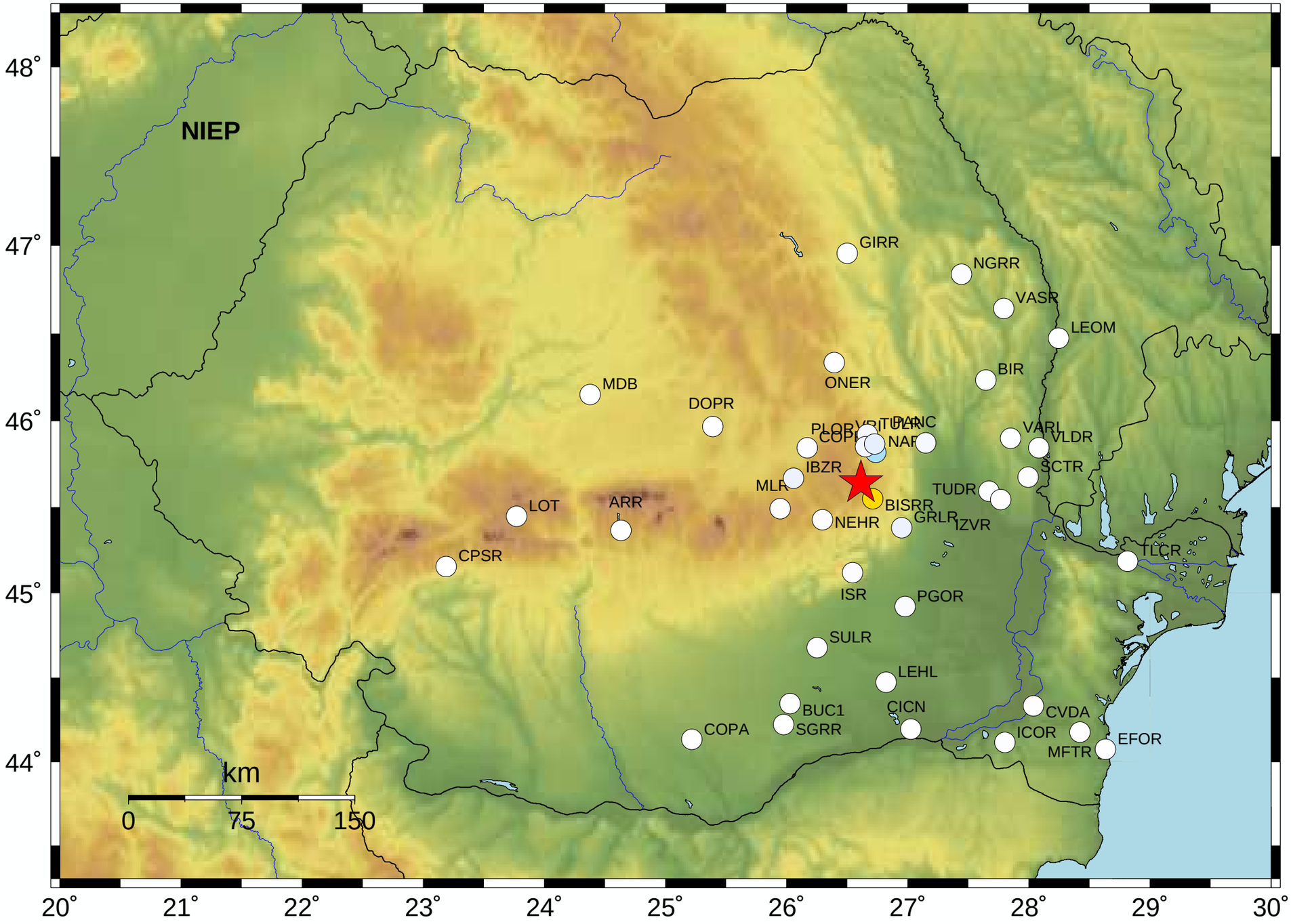


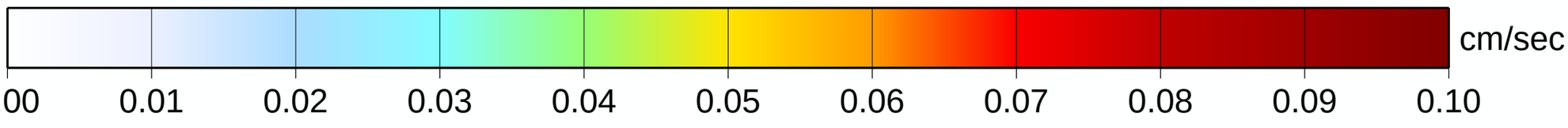
Station	Dist.(km)	Acc.
BISRR	12	1.33
VRI	26	0.32
PGOR	85	0.31
GRLR	39	0.21
IBZR	43	0.19
NEHR	34	0.17
PLOR	23	0.16
ICOR	193	0.16
COPR	41	0.10
PANC	48	0.09
GIRR	146	0.08
TUDR	82	0.07
ISR	58	0.05
VLDR	116	0.04
BUC1	151	0.04
BTMR	139	0.04
NGRR	147	0.04
EFOR	236	0.03
LEHL	130	0.03
SULR	110	0.03
VASR	143	0.03
BIR	103	0.03
DOPR	101	0.03
CVDA	183	0.03
MLR	54	0.02
ONER	78	0.02
LEOM	156	0.02
MFTR	216	0.02
VARL	100	0.02
CICN	163	0.02
SCTR	107	0.02
SGRR	165	0.01
COPA	200	0.01
ARR	157	0.01
BUR01	243	0.01

Observed stations velocities − Antelope platform (cm/sec)

Maximum observed velocity: BISRR_HHE 0.05

Wed Sep 20, 2023 02:44:32 GMT ML 3.1 Mb N45.64 E26.61 Depth: 15.9km ID:20024432



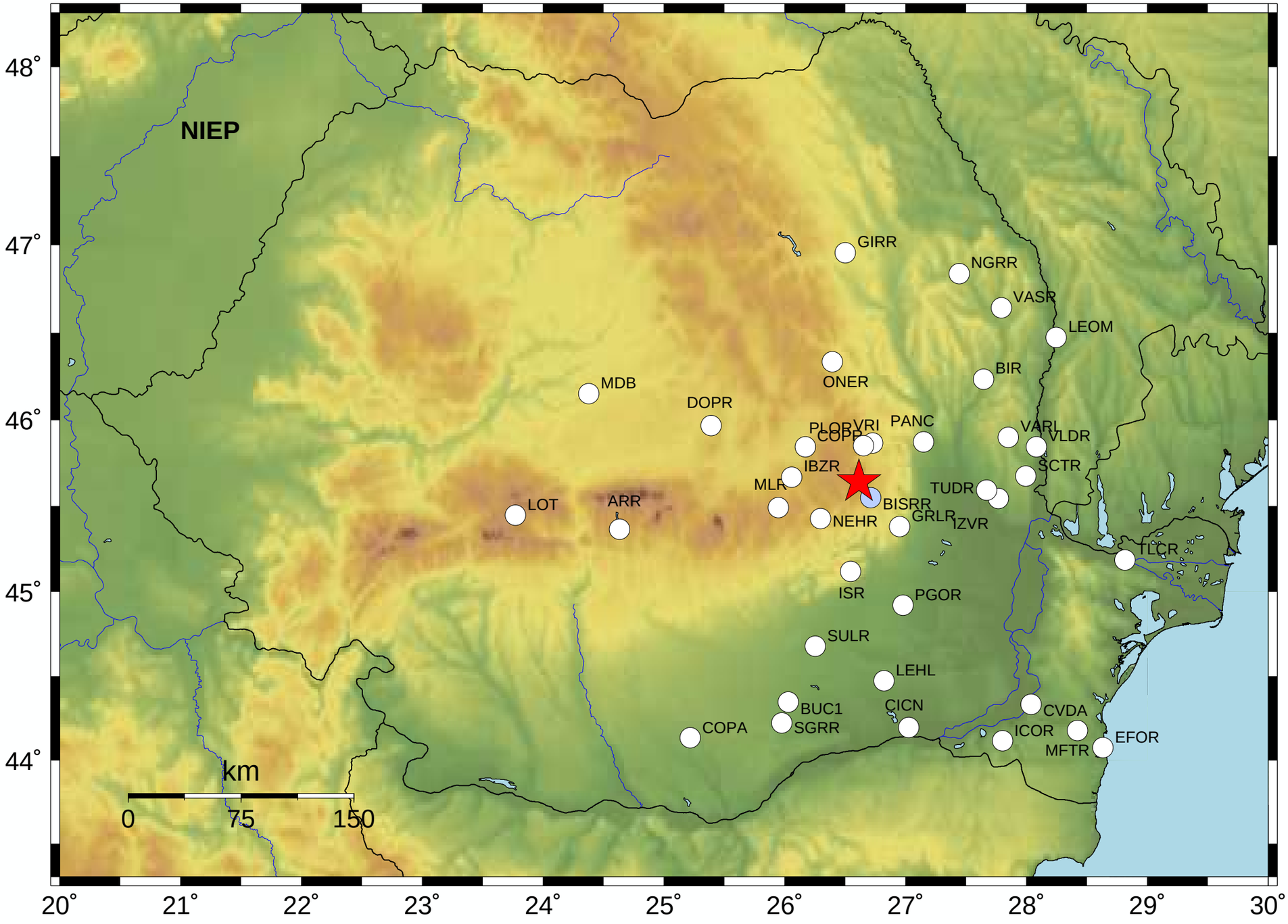


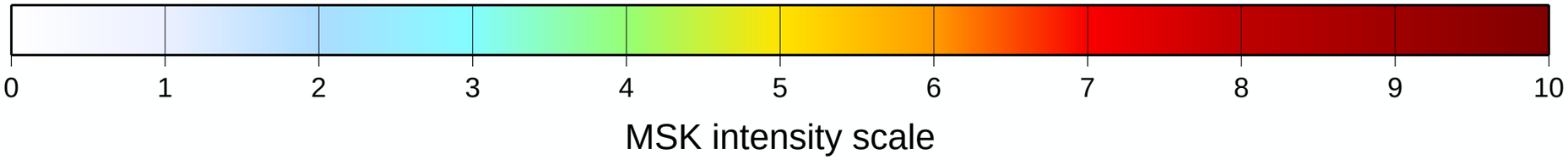
Station	Dist.(km)	Velocity
BISRR	12	0.05
NARR	21	0.02
VRI	26	0.01
GRLR	39	0.01
IBZR	43	0.01
PLOR	23	0.01
TULR	31	0.01
PANC	48	0.00
PGOR	85	0.00
NGRR	147	0.00
ISR	58	0.00
BIR	103	0.00
TUDR	82	0.00
ICOR	193	0.00
NEHR	34	0.00
VLDR	116	0.00
COPR	41	0.00
MLR	54	0.00
LEHL	130	0.00
SULR	110	0.00
SCTR	107	0.00
BUC1	151	0.00
GIRR	146	0.00
VASR	143	0.00
LEOM	156	0.00
VARL	100	0.00
MFTR	216	0.00
CVDA	183	0.00
EFOR	236	0.00
CICN	163	0.00
BTMR	139	0.00
DOPR	101	0.00
IZVR	90	0.00
ONER	78	0.00
COPA	200	0.00

Stations intensities

Maximum intensity: BISRR

Wed Sep 20, 2023 02:44:32 GMT ML 3.1 Mb N45.64 E26.61 Depth: 15.9km ID:20024432





Station	Dist.(km)	Imsk
BISRR	13	II
VRI	26	I
GRLR	39	I
VLDR	116	–
VASR	144	–
VARL	100	–
TUDR	82	–
TLCR	179	–
SULR	111	–
SGRR	166	–
SCTR	108	–
PLOR	23	–
PGOR	85	–
PANC	49	–
ONER	79	–
NGRR	147	–
NEHR	34	–
MLR	55	–
MFTR	216	–
LOT	222	–
LEOM	156	–
LEHL	131	–
ISR	58	–
ICOR	194	–
IBZR	43	–
GIRR	146	–
EFOR	236	–
DOPR	102	–
CVDA	184	–
COPR	41	–
COPA	200	–
CICN	164	–
BUC1	151	–
BTMR	140	–
BIR	103	–
ARR	157	–