National Institute for Earth Physics
National Seismic Network

INFP

Antelope - associated stations measurements on atlas2 ronet database

ROMANIA - evid 99082833

Date	Time	Lat	Lon	Depth	ml	mb	orid
2024/04/09	08:28:33.222	45.446	27.252	12.9	3.1		80

		Sta	Chan	PGV	PGA
*	1	NEHR	HHE	-0.00	
		NEHR	HHZ	0.00	
		NEHR	HHN	0.00	
		NEHR	HNZ		-0.04
		NEHR	HNE		-0.06
		NEHR	HNN		-0.04
*	2	CICN	HHE	0.01	
		CICN	HHZ	0.00	
		CICN	HHN	0.00	
		CICN	HNZ		-0.06
		CICN	HNE		-0.09
		CICN	HNN		0.05
*	3	CVD1	HHE	0.01	
		CVD1	HHZ	-0.00	
		CVD1	HHN	-0.00	
		CVD1	HNZ		-0.12
		CVD1	HNE		-0.47
		CVD1	HNN		0.19
*	4	ISR	HHE	0.00	
		ISR	HHZ	0.00	
		ISR	HHN	0.00	
		ISR	HNZ		-0.02
		ISR	HNE		-0.04
		ISR	HNN		0.04
*	5	TSCT	EHE	-0.00	
		TSCT	EHN	0.00	
		TSCT	EHZ	0.00	
		TSCT	HNZ		0.07
		TSCT	HNE		-7.62
		TSCT	HNN		0.08
*	6	NEGRR	HHE	-0.00	
		NEGRR	HHZ	0.00	
		NEGRR	HHN	-0.01	
		NEGRR	HNZ		-0.05
		NEGRR	HNE		-0.10
		NEGRR	HNN		0.06
*	7	ODBI	EHE	0.01	
		ODBI	EHN	-0.01	
		ODBI	EHZ	0.00	
		ODBI	HNZ		0.15
		ODBI	HNE		0.12
		ODBI	HNN		0.11
*	8	PANC	HHE	-0.00	
		PANC	HHZ	-0.00	
		PANC	HHN	0.00	
		PANC	HNZ		0.09
		PANC	HNE		0.09
		PANC	HNN		0.07

*	9	SGRR	EHE	0.00	
		SGRR	EHN	0.00	
		SGRR	EHZ	0.00	
		SGRR	HNZ		-0.02
		SGRR	HNE		0.03
		SGRR	HNN		-0.03
*	10	DOPR	HHE	0.00	
		DOPR	HHZ	0.00	
		DOPR	HHN	0.00	
		DOPR	HNZ		-0.02
		DOPR	HNE		-0.02
		DOPR	HNN		-0.02
*	11	NARR	HHE	-0.00	
		NARR	HHZ	-0.00	
		NARR	HHN	0.00	
*	12	GISR	EHE	-0.01	
		GISR	EHN	0.00	
		GISR	EHZ	0.00	
		GISR	HNZ		-0.19
		GISR	HNE		0.26
		GISR	HNN		0.23
*	13	SULR	HHE	0.00	
		SULR	HHZ	0.00	
		SULR	HHN	0.00	
		SULR	HNZ		0.02
		SULR	HNE		-0.03
		SULR	HNN		0.02
*	14	SCHLR	HHE	0.00	
		SCHLR	HHZ	-0.00	
		SCHLR	HHN	-0.00	
		SCHLR	HNZ		-0.03
		SCHLR	HNE		0.04
		SCHLR	HNN		-0.04
*	15	CHLR	HHE	-0.00	
		CHLR	HHZ	0.00	
		CHLR	HHN	-0.00	
		CHLR	HNZ		-0.15
		CHLR	HNE		-0.08
		CHLR	HNN		0.12
*	16	ONER	HHE	-0.00	
		ONER	HHZ	0.00	
		ONER	HHN	0.00	
		ONER	HNZ		-0.02
		ONER	HNE		-0.03
		ONER	HNN		0.03
*	17	MLR	HHE	-0.00	
		MLR	HHZ	0.00	
		MLR	HHN	-0.00	
		MLR	HNZ		0.00
		MLR	HNE		-0.01
		MLR	HNN		-0.01
*	18	CVSR	HHE	-0.00	
		CVSR	HHZ	0.00	
		CVSR	HHN	-0.00	
		CVSR	HNZ		-0.05
		CVSR	HNE		-0.04
		CVSR	HNN		0.06
*	19	CVDA	EHE	0.00	
		CVDA	EHN	-0.00	
		CVDA	EHZ	0.00	
		CVDA	HNZ		-0.15
		CVDA	HNE		0.11
		CVDA	HNN		-0.12
*	20	VLDR	HHE	-0.00	
		VLDR	HHZ	-0.00	
		VLDR	HHN	0.00	
		VLDR	HNZ		-0.19

		VLDR	HNE		-0.12
		VLDR	HNN		0.11
*	21	ICOR	HHE	0.00	
		ICOR	HHZ	-0.00	
		ICOR	HHN	-0.00	
		ICOR	HNZ		-0.08
		ICOR	HNE		0.14
		ICOR	HNN		-0.09
*	22	VRI	HHE	-0.00	
		VRI	HHZ	-0.00	
		VRI	HHN	0.00	
		VRI	HNZ		-0.01
		VRI	HNE		-0.03
		VRI	HNN		-0.02
*	23	TESR	HHE	0.00	
		TESR	HHZ	-0.00	
		TESR	HHN	-0.00	
		TESR	HNZ		-0.01
		TESR	HNE		-0.01
		TESR	HNN		-0.01
*	24	VOIR	HHE	0.00	
		VOIR	HHZ	0.00	
		VOIR	HHN	-0.00	
		VOIR	HNZ		-0.00
		VOIR	HNE		-0.00
		VOIR	HNN		0.00
*	25	CFR	HHE	-0.00	
		CFR	HHZ	-0.00	
		CFR	HHN	0.00	
		CFR	HNZ		0.13
		CFR	HNE		0.19
		CFR	HNN		-0.21
*	26	CRCR	EHE	-0.00	
		CRCR	EHN	0.00	
		CRCR	EHZ	0.00	
		CRCR	HNZ		-0.19
		CRCR	HNE		0.38
		CRCR	HNN		0.24
*	27	BIR	HHE	-0.01	
		BIR	HHZ	-0.00	
		BIR	HHN	0.00	
		BIR	HNZ		-0.06
		BIR	HNE		-0.13
		BIR	HNN		-0.12
*	28	VASR	HHE	-0.00	
		VASR	HHZ	-0.00	
		VASR	HHN	-0.00	
		VASR	HNZ		0.12
		VASR	HNE		-0.09
		VASR	HNN		-0.18
*	29	TULR	HHE	-0.00	
		TULR	HHZ	0.00	
		TULR	HHN	0.00	
*	30	ARR	HHE	0.00	
		ARR	HHZ	0.00	
		ARR	HHN	0.00	
		ARR	HNZ		0.00
		ARR	HNE		0.00
		ARR	HNN		-0.01
*	31	TLCR	HHE	0.00	
		TLCR	HHZ	0.00	
		TLCR	HHN	-0.00	
		TLCR	HNZ		-0.06
		TLCR	HNE		-0.06
		TLCR	HNN		-0.08
*	32	PLOR	HHE	-0.00	
		PLOR	HHZ	0.00	

```
      PLOR    HHN       0.00
      PLOR    HNZ                  0.02
      PLOR    HNE                 -0.02
      PLOR    HNN                 -0.02
*  33 TATR    HHE      -0.00
      TATR    HHZ      -0.00
      TATR    HHN       0.00
      TATR    HNZ                  0.15
      TATR    HNE                 -0.08
      TATR    HNN                 -0.10
*  34 LEOM    HHE      -0.00
      LEOM    HHZ       0.00
      LEOM    HHN      -0.00
      LEOM    HNZ                  0.05
      LEOM    HNE                 -0.11
      LEOM    HNN                  0.09
*  35 TUDR    HHE      -0.00
      TUDR    HHZ      -0.03
      TUDR    HHN       0.01
      TUDR    HNZ                  1.77
      TUDR    HNE                  0.19
      TUDR    HNN                 -0.24
*  36 SCHL    HHE      -0.00
      SCHL    HHZ       0.00
      SCHL    HHN      -0.01
*  37 IZVR    HHE       0.01
      IZVR    HHZ      -0.00
      IZVR    HHN      -0.00
      IZVR    HNZ                 -0.03
      IZVR    HNE                 -0.04
      IZVR    HNN                  0.04
*  38 EFOR    HHE      -0.00
      EFOR    HHZ       0.00
      EFOR    HHN      -0.00
      EFOR    HNZ                  0.15
      EFOR    HNE                 -0.11
      EFOR    HNN                 -0.13
```

* Associated RO stations: 38
Excluded stations:

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

```
      Velocity        TUDR_HHZ          0.03
      Acceleration    TSCT_HNE          7.62
```

Stations max. horizontal acceleration and MSK intensity

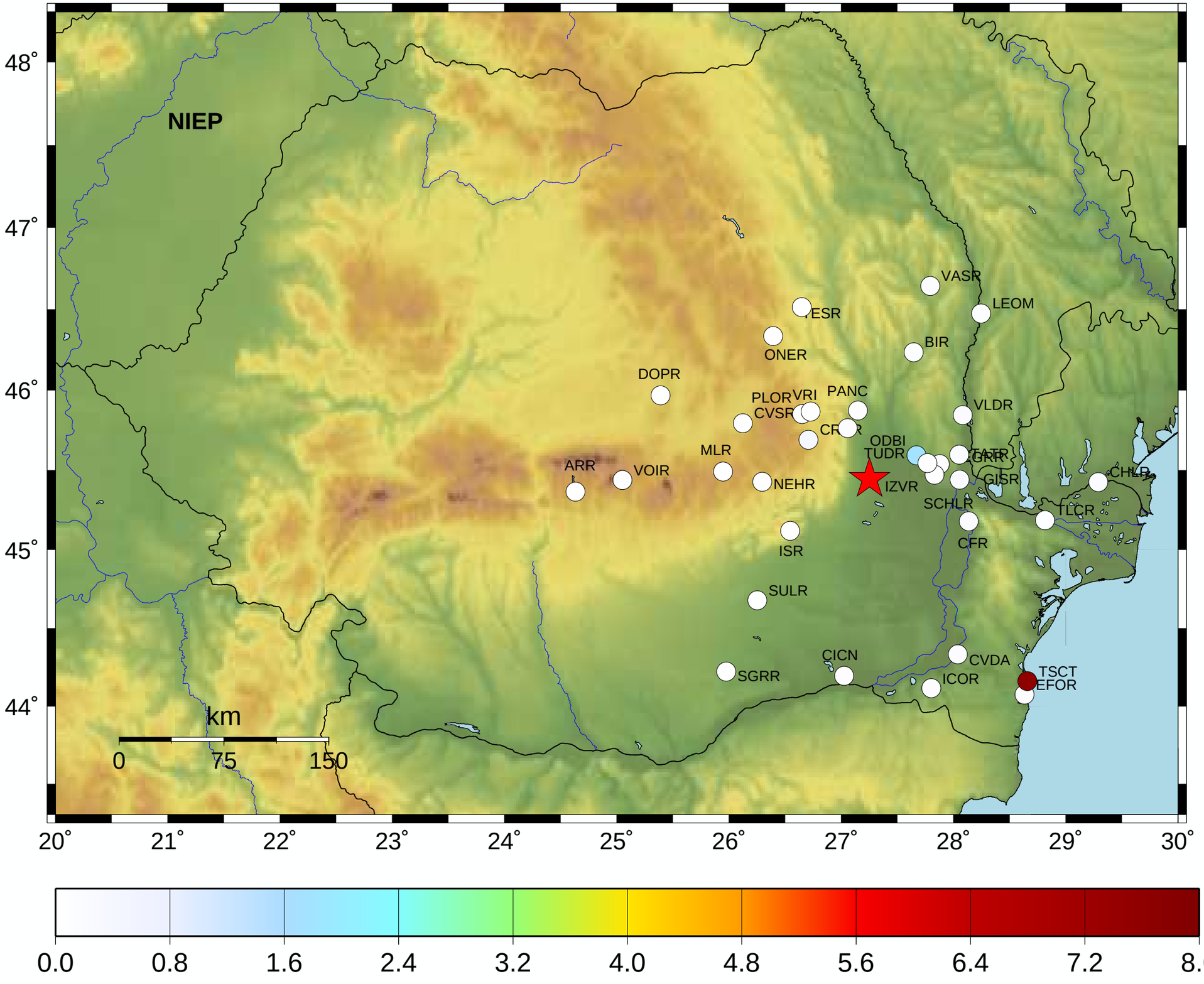
```
   1  ARR_HNN          0.01      -
   2  BIR_HNE          0.13      -
   3  CFR_HNN          0.21      I
   4  CHLR_HNN         0.12      -
   5  CICN_HNE         0.09      -
   6  CRCR_HNE         0.38      I
   7  CVD1_HNE         0.47      I
   8  CVDA_HNN         0.12      -
   9  CVSR_HNN         0.06      -
  10  DOPR_HNE         0.02      -
  11  EFOR_HNN         0.13      -
  12  GISR_HNE         0.26      I
  13  ICOR_HNE         0.14      -
  14  ISR_HNE          0.04      -
  15  IZVR_HNE         0.04      -
```

16	LEOM_HNE	0.11	-
17	MLR_HNE	0.01	-
18	NEGRR_HNE	0.10	-
19	NEHR_HNE	0.06	-
20	ODBI_HNE	0.12	-
21	ONER_HNE	0.03	-
22	PANC_HNE	0.09	-
23	PLOR_HNE	0.02	-
24	SCHLR_HNE	0.04	-
25	SGRR_HNE	0.03	-
26	SULR_HNE	0.03	-
27	TATR_HNN	0.10	-
28	TESR_HNE	0.01	-
29	TLCR_HNN	0.08	-
30	TSCT_HNE	7.62	III-IV
31	TUDR_HNN	0.24	I
32	VASR_HNN	0.18	-
33	VLDR_HNE	0.12	-
34	VOIR_HNE	0.00	
35	VRI_HNE	0.03	-

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

Maximum observed acceleration: TSCT_HNE 7.62

Tue Apr 9, 2024 08:28:33 GMT ML 3.1 Mb N45.45 E27.25 Depth: 12.9km ID:99082833

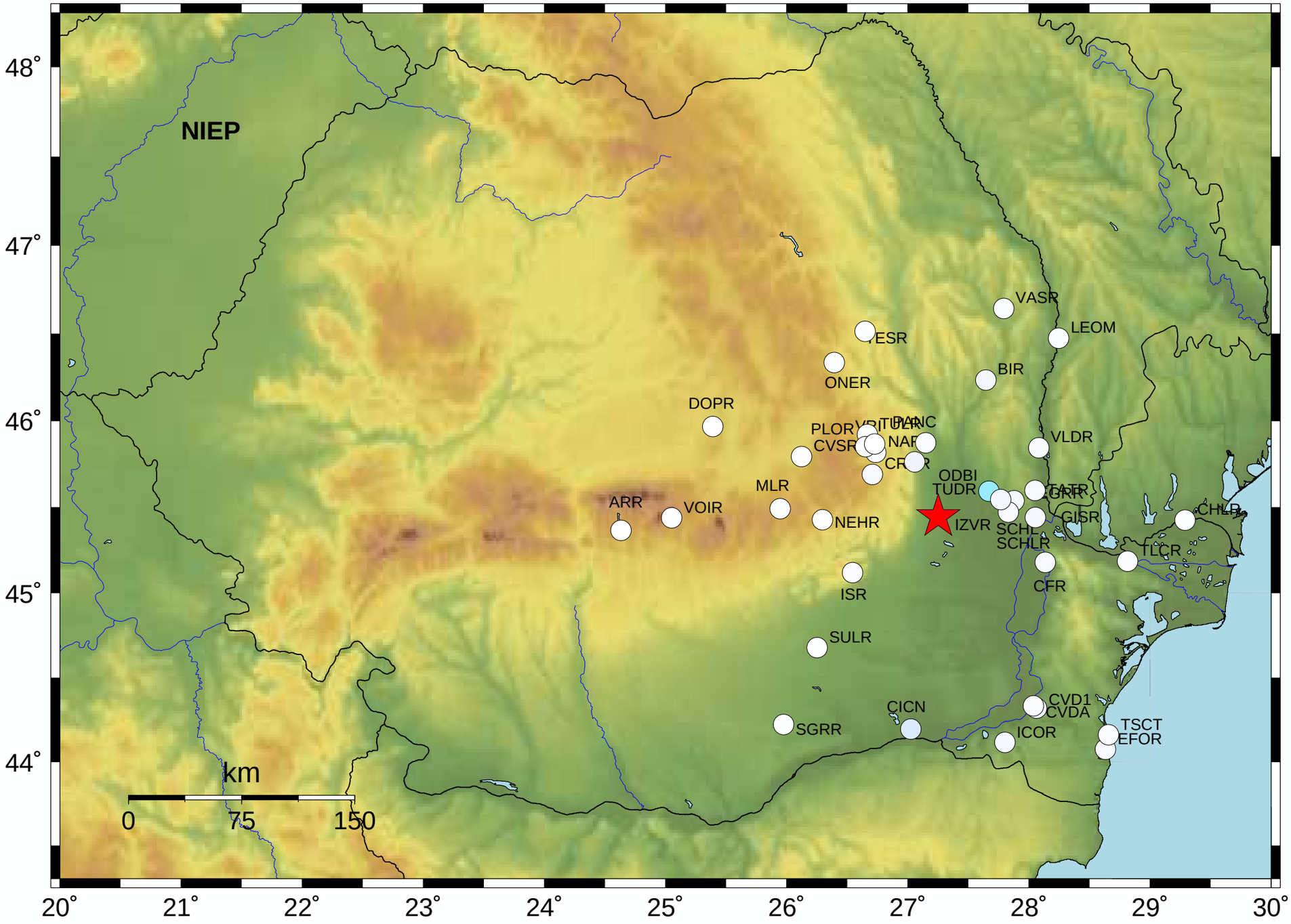


Station	Dist.(km)	Acc.
TSCT	180	7.62
TUDR	36	1.77
CVD1	140	0.47
CRCR	50	0.38
GISR	62	0.26
CFR	75	0.21
VLDR	78	0.19
VASR	139	0.18
CHLR	158	0.15
CVDA	138	0.15
TATR	64	0.15
ODBI	38	0.15
EFOR	187	0.15
ICOR	153	0.14
BIR	92	0.13
LEOM	137	0.11
NEGRR	49	0.10
CICN	139	0.09
PANC	48	0.09
TLCR	125	0.08
CVSR	95	0.06
NEHR	74	0.06
ISR	66	0.04
IZVR	41	0.04
SCHLR	45	0.04
SGRR	169	0.03
VRI	61	0.03
ONER	119	0.03
SULR	115	0.03
PLOR	64	0.02
DOPR	155	0.02
MLR	102	0.01
TESR	127	0.01
ARR	204	0.01
VOIR	171	0.00

Observed stations velocities − Antelope platform (cm/sec)

Maximum observed velocity: TUDR_HHZ 0.03

Tue Apr 9, 2024 08:28:33 GMT ML 3.1 Mb N45.45 E27.25 Depth: 12.9km ID:99082833

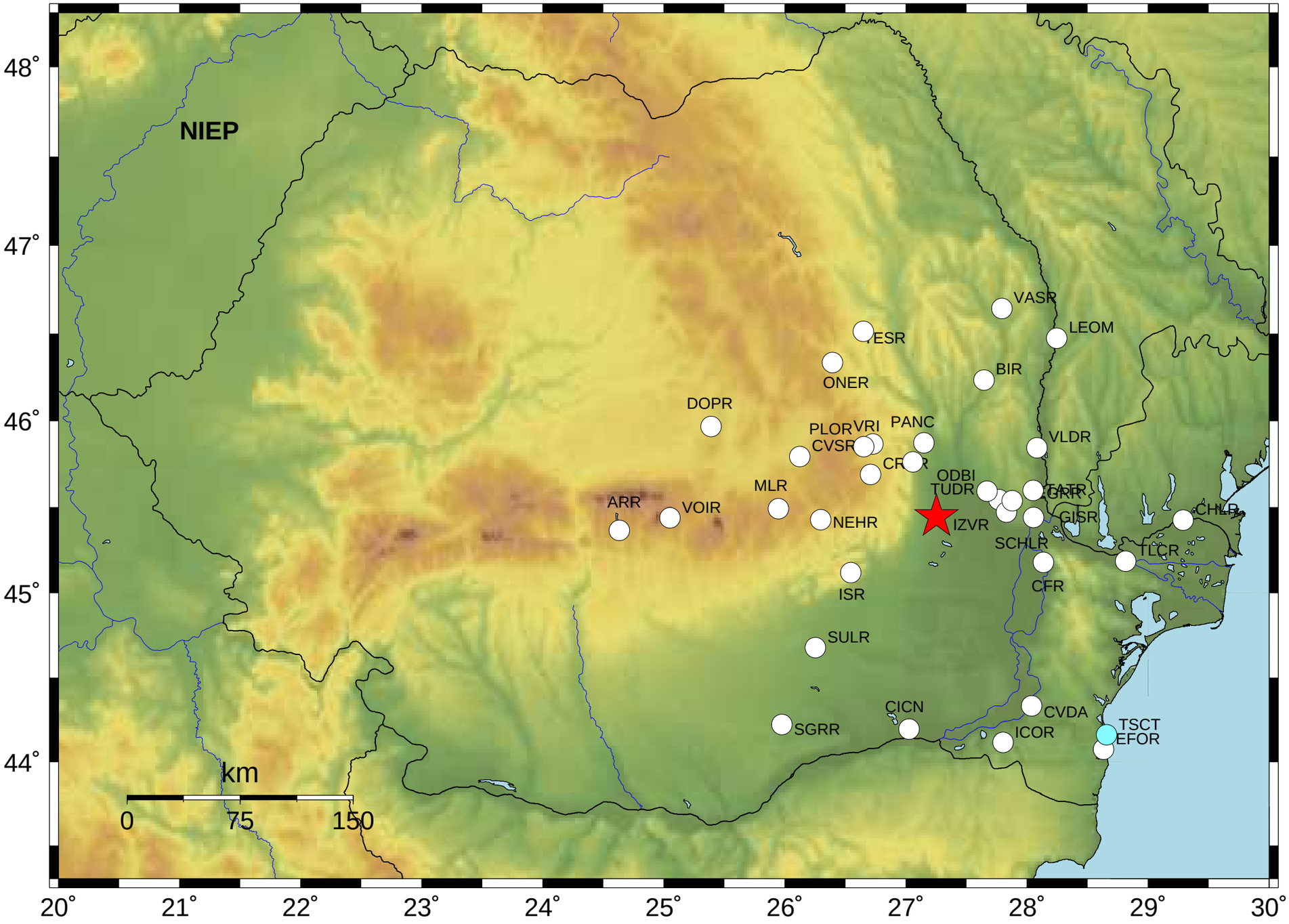


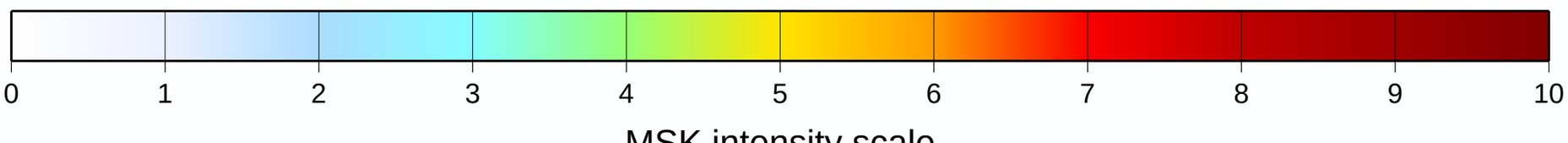
Station	Dist.(km)	Velocity
TUDR	36	0.03
CICN	139	0.01
SCHL	45	0.01
ODBI	38	0.01
NEGRR	49	0.01
IZVR	41	0.01
BIR	92	0.01
CVD1	140	0.01
GISR	62	0.01
ICOR	153	0.00
CFR	75	0.00
TATR	64	0.00
CRCR	50	0.00
SCHLR	45	0.00
EFOR	187	0.00
VLDR	78	0.00
LEOM	137	0.00
NARR	57	0.00
CVDA	138	0.00
TLCR	125	0.00
PANC	48	0.00
TSCT	180	0.00
VASR	139	0.00
ISR	66	0.00
PLOR	64	0.00
VRI	61	0.00
TULR	69	0.00
SGRR	169	0.00
CHLR	158	0.00
SULR	115	0.00
CVSR	95	0.00
DOPR	155	0.00
ONER	119	0.00
TESR	127	0.00
MLR	102	0.00

Stations intensities

Maximum intensity: TSCT

Tue Apr 9, 2024 08:28:33 GMT ML 3.1 Mb N45.45 E27.25 Depth: 12.9km ID:99082833





Station	Dist.(km)	Imsk
TSCT	181	III–IV
TUDR	36	I
GISR	63	I
CVD1	140	I
CRCR	50	I
CFR	75	I
VRI	62	–
VLDR	78	–
VASR	139	–
TLCR	126	–
TESR	127	–
TATR	64	–
SULR	116	–
SGRR	169	–
SCHLR	45	–
PLOR	65	–
PANC	48	–
ONER	119	–
ODBI	38	–
NEHR	75	–
NEGRR	50	–
MLR	102	–
LEOM	138	–
IZVR	42	–
ISR	66	–
ICOR	154	–
EFOR	187	–
DOPR	156	–
CVSR	96	–
CVDA	138	–
CICN	140	–
CHLR	159	–
BIR	93	–
ARR	205	–