

Antelope - associated stations measurements on atlas2 ronet database

CASPIAN SEA - evid 48742

Date	Time	Lat	Lon	Depth	ml	mb	orid
2021/01/02	01:05:23.209	41.067	51.453	15.0		4.73	49011
Sta	Chan	PGV	PGA				
1 NEHR	HNZ		0.01				
NEHR	HNE		0.01				
NEHR	HNN		0.01				
* 2 ISR	HHE	-0.00					
ISR	HHZ	-0.00					
ISR	HHN	0.00					
ISR	HNZ		-0.01				
ISR	HNE		-0.02				
ISR	HNN		0.01				
3 GRER	HNZ		0.02				
GRER	HNE		0.01				
GRER	HNN		-0.01				
* 4 MARR	HHE	0.00					
MARR	HHZ	-0.00					
MARR	HHN	-0.00					
MARR	HNZ		-0.00				
MARR	HNE		0.01				
MARR	HNN		-0.01				
5 LEHL	HNZ		0.01				
LEHL	HNE		0.01				
LEHL	HNN		-0.01				
6 ODBI	HNZ		0.03				
ODBI	HNE		0.04				
ODBI	HNN		0.06				
* 7 HERR	HHE	0.00					
HERR	HHZ	0.00					
HERR	HHN	-0.00					
HERR	HNZ		0.01				
HERR	HNE		-0.01				
HERR	HNN		0.01				
* 8 TLBR	HHE	0.00					
TLBR	HHZ	-0.00					
TLBR	HHN	-0.00					
TLBR	HNZ		-0.00				
TLBR	HNE		0.00				
TLBR	HNN		0.00				
* 9 SCTR	HHE	0.00					
SCTR	HHZ	-0.00					
SCTR	HHN	-0.00					
SCTR	HNZ		-0.01				
SCTR	HNE		0.01				
SCTR	HNN		-0.01				
* 10 DOPR	HHE	0.00					
DOPR	HHZ	0.00					
DOPR	HHN	0.00					
DOPR	HNZ		0.00				
DOPR	HNE		0.00				
DOPR	HNN		0.00				

*	11	CJR	HHE	-0.00	
		CJR	HHZ	-0.00	
		CJR	HHN	-0.00	
		CJR	HNZ		0.00
		CJR	HNE		-0.01
		CJR	HNN		0.01
*	12	GHRR	HHE	0.00	
		GHRR	HHZ	-0.00	
		GHRR	HHN	0.00	
		GHRR	HNZ		0.00
		GHRR	HNE		0.00
		GHRR	HNN		0.01
*	13	PLVB	HHE	-0.00	
		PLVB	HHZ	0.00	
		PLVB	HHN	-0.00	
		PLVB	HNZ		0.00
		PLVB	HNE		0.00
		PLVB	HNN		0.00
*	14	TPGR	HHE	0.00	
		TPGR	HHZ	-0.00	
		TPGR	HHN	-0.00	
		TPGR	HNZ		-0.00
		TPGR	HNE		-0.00
		TPGR	HNN		-0.00
	15	SULR	HNZ		0.00
		SULR	HNE		0.00
		SULR	HNN		0.00
*	16	COVR	HHE	-0.00	
		COVR	HHZ	0.00	
		COVR	HHN	0.00	
		COVR	HNZ		0.01
		COVR	HNE		0.02
		COVR	HNN		0.01
*	17	ONER	HHE	-0.00	
		ONER	HHZ	0.00	
		ONER	HHN	-0.00	
		ONER	HNZ		0.02
		ONER	HNE		0.04
		ONER	HNN		-0.04
	18	MLR	HNZ		-0.00
		MLR	HNE		-0.00
		MLR	HNN		0.00
*	19	BMR	HHE	0.00	
		BMR	HHZ	-0.00	
		BMR	HHN	0.00	
		BMR	HNZ		0.00
		BMR	HNE		0.01
		BMR	HNN		0.00
*	20	VLDR	HHE	0.00	
		VLDR	HHZ	-0.00	
		VLDR	HHN	-0.00	
		VLDR	HNZ		0.00
		VLDR	HNE		0.00
		VLDR	HNN		0.00
*	21	ICOR	HHE	0.00	
		ICOR	HHZ	-0.00	
		ICOR	HHN	-0.00	
		ICOR	HNZ		0.17
		ICOR	HNE		0.01
		ICOR	HNN		-0.01
*	22	SURR	HHE	-0.00	
		SURR	HHZ	-0.00	
		SURR	HHN	0.00	
		SURR	HNZ		0.00
		SURR	HNE		0.00
		SURR	HNN		0.00
	23	TESR	HNZ		0.00

	TESR	HNE		-0.00
	TESR	HNN		-0.00
*	24	CBBR	HNZ	0.01
		CBBR	HNE	-0.01
		CBBR	HNN	-0.01
*	25	VOIR	HHE	0.00
		VOIR	HHZ	-0.00
		VOIR	HHN	-0.00
		VOIR	HNZ	0.00
		VOIR	HNE	0.00
		VOIR	HNN	0.00
*	26	CFR	HHE	-0.00
		CFR	HHZ	0.00
		CFR	HHN	0.00
		CFR	HNZ	0.00
		CFR	HNE	0.00
		CFR	HNN	0.00
*	27	VARL	HHE	-0.00
		VARL	HHZ	-0.00
		VARL	HHN	-0.00
		VARL	HNZ	0.00
		VARL	HNE	0.00
		VARL	HNN	0.00
*	28	GZR	HHE	0.00
		GZR	HHZ	0.00
		GZR	HHN	0.00
		GZR	HNZ	0.00
		GZR	HNE	0.00
		GZR	HNN	0.00
*	29	PRAR	HHE	0.00
		PRAR	HHZ	-0.00
		PRAR	HHN	-0.00
		PRAR	HNZ	0.00
		PRAR	HNE	-0.00
		PRAR	HNN	0.00
*	30	BISRR	HHE	0.00
		BISRR	HHZ	-0.00
		BISRR	HHN	-0.00
		BISRR	HNZ	0.00
		BISRR	HNE	0.00
		BISRR	HNN	0.00
*	31	BIZ	HHE	-0.00
		BIZ	HHZ	-0.00
		BIZ	HHN	0.00
	32	COSR	HNZ	-0.01
		COSR	HNE	0.01
		COSR	HNN	0.01
*	33	DRGR	HHE	-0.00
		DRGR	HHZ	-0.00
		DRGR	HHN	-0.00
		DRGR	HNZ	0.00
		DRGR	HNE	0.00
		DRGR	HNN	0.00
*	34	TURR	HHE	-0.00
		TURR	HHZ	0.00
		TURR	HHN	0.00
	35	BIR	HNZ	0.01
		BIR	HNE	0.01
		BIR	HNN	0.01
*	36	MDVR	HHE	0.00
		MDVR	HHZ	0.00
		MDVR	HHN	0.00
		MDVR	HNZ	-0.00
		MDVR	HNE	0.00
		MDVR	HNN	0.01
*	37	BZS	HHE	-0.00
		BZS	HHZ	-0.00

	BZS	HHN	-0.00	
	BZS	HNZ		0.00
	BZS	HNE		-0.00
	BZS	HNN		0.00
*	38	SIRR	HHE	-0.00
		SIRR	HHZ	-0.00
		SIRR	HHN	0.00
		SIRR	HNZ	0.00
		SIRR	HNE	0.00
		SIRR	HNN	0.01
*	39	ARR	HHE	-0.00
		ARR	HHZ	-0.00
		ARR	HHN	-0.00
		ARR	HNZ	0.00
		ARR	HNE	0.00
		ARR	HNN	0.01
*	40	TLCR	HHE	-0.00
		TLCR	HHZ	-0.00
		TLCR	HHN	0.00
		TLCR	HNZ	-0.00
		TLCR	HNE	-0.00
		TLCR	HNN	0.00
*	41	TATR	HHE	0.00
		TATR	HHZ	-0.00
		TATR	HHN	0.00
		TATR	HNZ	-0.00
		TATR	HNE	0.00
		TATR	HNN	-0.00
*	42	PLOR	HHE	-0.00
		PLOR	HHZ	0.00
		PLOR	HHN	0.00
		PLOR	HNZ	0.00
		PLOR	HNE	0.00
		PLOR	HNN	0.00
*	43	HARR	HHE	0.00
		HARR	HHZ	-0.00
		HARR	HHN	-0.00
		HARR	HNZ	0.00
		HARR	HNE	0.01
		HARR	HNN	-0.01
	44	LOT	HNZ	0.02
		LOT	HNE	-0.02
		LOT	HNN	0.01
*	45	DEV	HHE	0.00
		DEV	HHZ	0.00
		DEV	HHN	-0.00
		DEV	HNZ	0.00
		DEV	HNE	-0.01
		DEV	HNN	-0.01
	46	TUDR	HNZ	0.01
		TUDR	HNE	0.00
		TUDR	HNN	0.00
	47	SCHL	HNZ	-0.00
		SCHL	HNE	0.00
		SCHL	HNN	0.00
	48	OZUR	HNZ	0.01
		OZUR	HNE	-0.01
		OZUR	HNN	-0.01

* Associated RO stations: 35
Excluded stations:

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

Velocity ARR_HHN 0.00

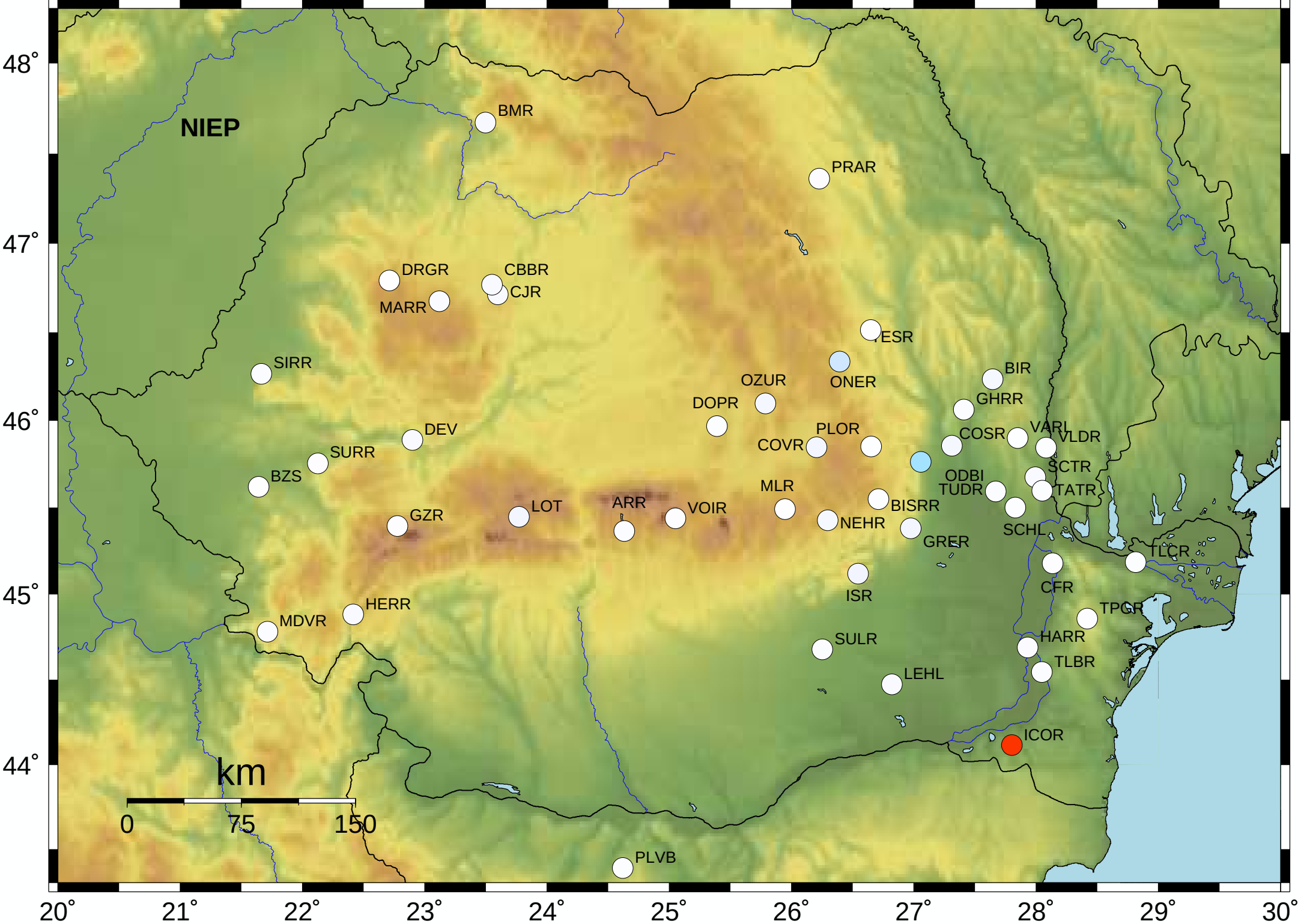
Acceleration	ICOR_HNZ	0.17
Horizontal acc.	ODBI_HNN	0.06

Stations max. horizontal acceleration and MSK intensity

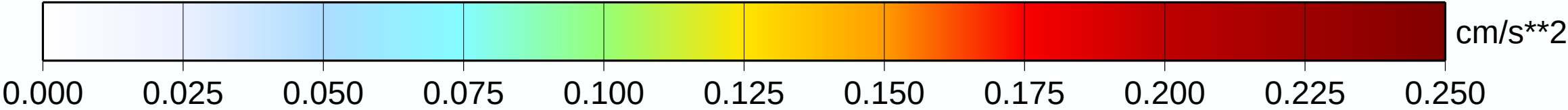
1	ARR_HNN	0.01	-
2	BIR_HNE	0.01	-
3	BISRR_HNE	0.00	
4	BMR_HNE	0.01	-
5	BZS_HNE	0.00	
6	CBBR_HNE	0.01	-
7	CFR_HNE	0.00	
8	CJR_HNE	0.01	-
9	COSR_HNE	0.01	-
10	COVR_HNE	0.02	-
11	DEV_HNE	0.01	-
12	DOPR_HNE	0.00	
13	DRGR_HNE	0.00	
14	GHRR_HNN	0.01	-
15	GRER_HNE	0.01	-
16	GZR_HNE	0.00	
17	HARR_HNE	0.01	-
18	HERR_HNE	0.01	-
19	ICOR_HNE	0.01	-
20	ISR_HNE	0.02	-
21	LEHL_HNE	0.01	-
22	LOT_HNE	0.02	-
23	MARR_HNE	0.01	-
24	MDVR_HNN	0.01	-
25	MLR_HNE	0.00	
26	NEHR_HNE	0.01	-
27	ODBI_HNN	0.06	-
28	ONER_HNE	0.04	-
29	OZUR_HNE	0.01	-
30	PLOR_HNE	0.00	
31	PLVB_HNE	0.00	
32	PRAR_HNE	0.00	
33	SCHL_HNE	0.00	
34	SCTR_HNE	0.01	-
35	SIRR_HNN	0.01	-
36	SULR_HNE	0.00	
37	SURR_HNE	0.00	
38	TATR_HNE	0.00	
39	TESR_HNE	0.00	
40	TLBR_HNE	0.00	
41	TLCR_HNE	0.00	
42	TPGR_HNE	0.00	
43	TUDR_HNE	0.00	
44	VARL_HNE	0.00	
45	VLDR_HNE	0.00	
46	VOIR_HNE	0.00	

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

Maximum observed acceleration: ICOR_HNZ 0.17
Sat Jan 2, 2021 01:05:23 GMT ML Mb 4.7 N41.07 E51.45 Depth: 15.0km ID:48742

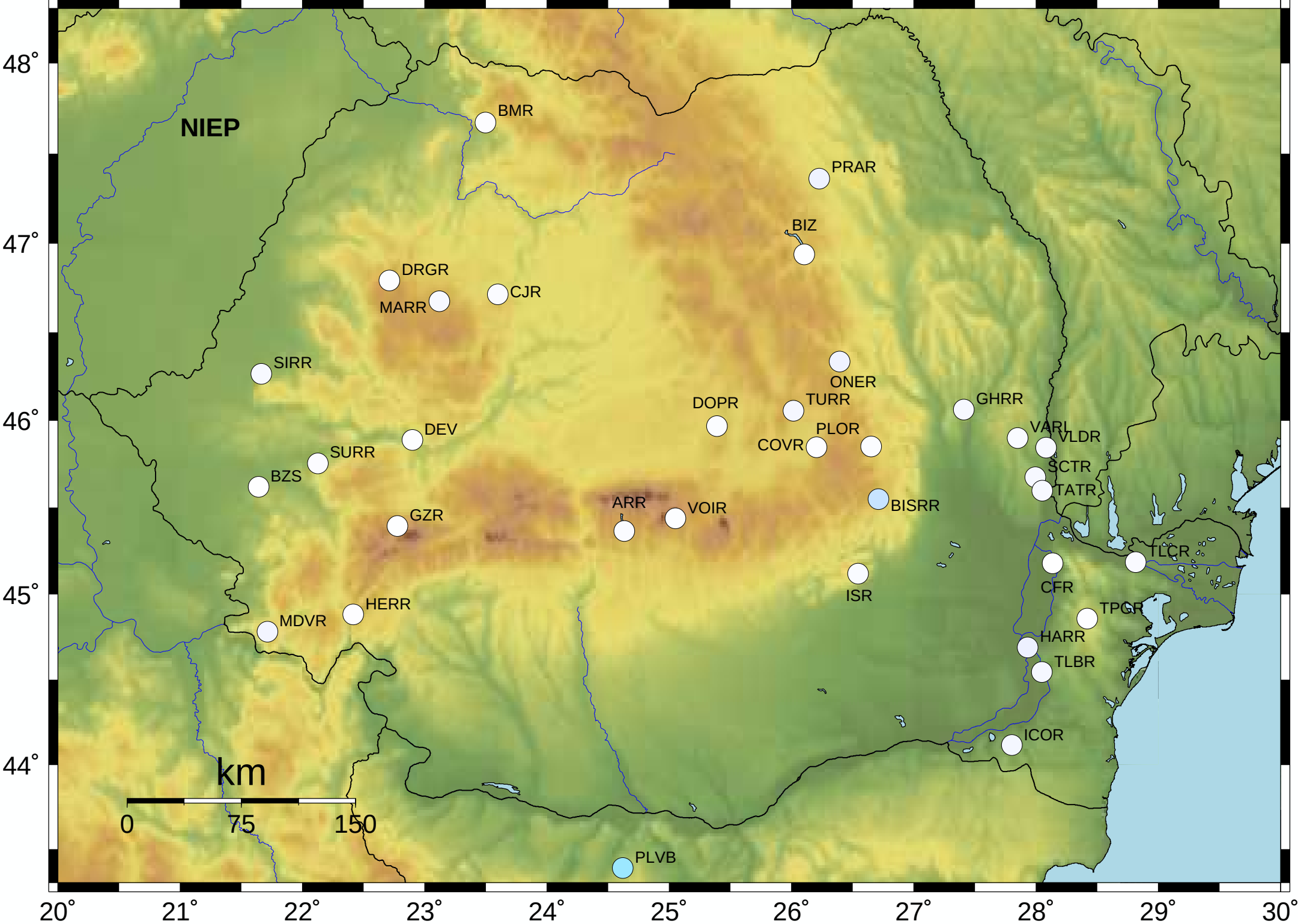


Station	Dist.(km)	Acc.
ICOR	1965	0.17
ODBI	2038	0.06
ONER	2097	0.04
ISR	2072	0.02
LOT	2294	0.02
GRER	2040	0.02
COVR	2106	0.02
COSR	2019	0.01
OZUR	2141	0.01
NEHR	2094	0.01
BIR	1999	0.01
BMR	2340	0.01
LEHL	2046	0.01
CBBR	2323	0.01
SCTR	1964	0.01
CJR	2318	0.01
DEV	2365	0.01
HERR	2400	0.01
MARR	2355	0.01
HARR	1958	0.01
GHRR	2015	0.01
TUDR	1988	0.01
MDVR	2456	0.01
ARR	2225	0.01
SIRR	2464	0.01
SULR	2092	0.00
TLBR	1948	0.00
PRAR	2128	0.00
TATR	1958	0.00
VLDR	1959	0.00
DOPR	2171	0.00
BISRR	2063	0.00
SCHL	1974	0.00
TLCR	1893	0.00
PLVB	2224	0.00

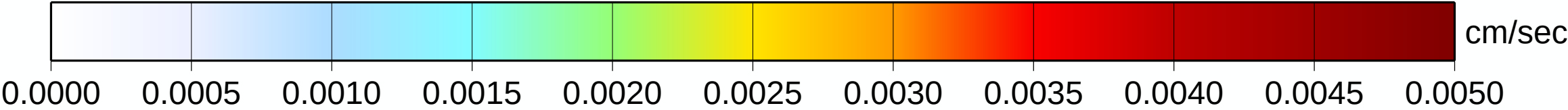


Observed stations velocities – Antelope platform (cm/sec)

Maximum observed velocity: SIRR_HHE 0.00
Sat Jan 2, 2021 01:05:23 GMT ML Mb 4.7 N41.07 E51.45 Depth: 15.0km ID:48742



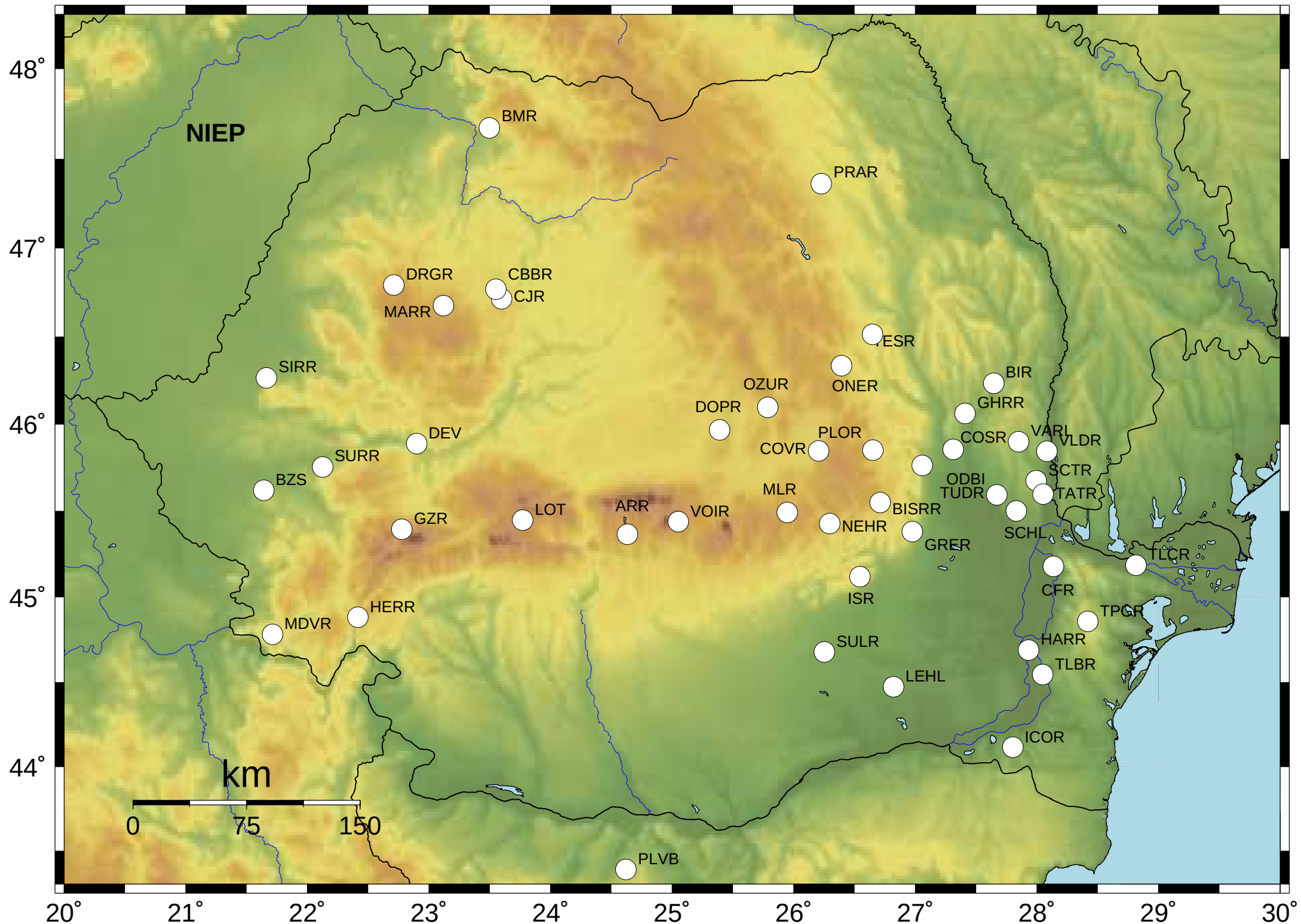
Station	Dist.(km)	Velocity
PLVB	2224	0.00
BISRR	2063	0.00
HARR	1958	0.00
PRAR	2128	0.00
ONER	2097	0.00
MDVR	2456	0.00
ICOR	1965	0.00
TLBR	1948	0.00
TURR	2123	0.00
SCTR	1964	0.00
GHRR	2015	0.00
SIRR	2464	0.00
VLDR	1959	0.00
MARR	2355	0.00
TATR	1958	0.00
TLCR	1893	0.00
ISR	2072	0.00
VARL	1978	0.00
CJR	2318	0.00
ARR	2225	0.00
SURR	2425	0.00
PLOR	2071	0.00
DOPR	2171	0.00
BMR	2340	0.00
DEV	2365	0.00
DRGR	2388	0.00
VOIR	2192	0.00
TPGR	1921	0.00
COVR	2106	0.00
HERR	2400	0.00
BIZ	2130	0.00
GZR	2372	0.00
CFR	1946	0.00
BZS	2463	0.00



Stations intensities

Maximum intensity: ODBI

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Station	Dist.(km)	lmsk
SIRR	2465	—
SCTR	1964	—
OZUR	2142	—
ONER	2098	—
ODBI	2039	—
NEHR	2095	—
MDVR	2457	—
MARR	2355	—
LOT	2294	—
LEHL	2046	—
ISR	2072	—
ICOR	1966	—
HERR	2400	—
HARR	1959	—
GRER	2041	—
GHRR	2015	—
DEV	2366	—
COVR	2106	—
COSR	2020	—
CJR	2319	—
CBBR	2323	—
BMR	2340	—
BIR	2000	—
ARR	2225	—