

Antelope - associated stations measurements on venus ronet database

BULGARIA - evid 41639

Date	Time	Lat	Lon	Depth	ml	mb	orid
2019/12/30	18:01:44.123	42.193	23.369	30.0	4.7		41907
Sta	Chan	PGV	PGA				
* 1 PUNG	HHE	0.016					
PUNG	HHZ	0.004					
PUNG	HHN	0.013					
PUNG	HNZ		0.076				
PUNG	HNE		0.383				
PUNG	HNN		-0.257				
* 2 ISR	HHE	0.001					
ISR	HHZ	-0.001					
ISR	HHN	0.001					
ISR	HNZ		0.020				
ISR	HNE		0.068				
ISR	HNN		0.045				
* 3 BOSR	HHE	0.019					
BOSR	HHZ	-0.020					
BOSR	HHN	0.029					
* 4 ZIMR	EHE	-0.004					
ZIMR	EHN	-0.004					
ZIMR	EHZ	-0.001					
ZIMR	HNZ		-0.111				
ZIMR	HNE		0.154				
ZIMR	HNN		-0.138				
* 5 GRER	EHE	-0.001					
GRER	EHN	-0.001					
GRER	EHZ	0.001					
GRER	HNZ		0.078				
GRER	HNE		-0.065				
GRER	HNN		0.062				
* 6 LEHL	HHE	0.001					
LEHL	HHZ	0.001					
LEHL	HHN	-0.001					
LEHL	HNZ		-0.019				
LEHL	HNE		0.016				
LEHL	HNN		0.019				
* 7 TLBR	HHE	-0.001					
TLBR	HHZ	0.001					
TLBR	HHN	-0.001					
TLBR	HNZ		-0.001				
TLBR	HNE		-0.001				
TLBR	HNN		-0.001				
* 8 HERR	HHE	-0.003					
HERR	HHZ	0.001					
HERR	HHN	-0.004					
HERR	HNZ		0.145				
HERR	HNE		0.185				
HERR	HNN		0.232				
* 9 DOPR	HHE	-0.000					
DOPR	HHZ	-0.000					
DOPR	HHN	-0.001					

	DOPR	HNZ		-0.006
	DOPR	HNE		0.008
	DOPR	HNN		0.008
*	10	TNR	HHE	-0.001
		TNR	HHZ	0.001
		TNR	HHN	0.000
		TNR	HNZ	0.126
		TNR	HNE	-0.082
		TNR	HNN	0.175
*	11	STFAR	EHE	-0.000
		STFAR	EHN	-0.000
		STFAR	EHZ	0.002
		STFAR	HNZ	0.055
		STFAR	HNE	-0.046
		STFAR	HNN	-0.046
*	12	PLVB	HHE	-0.009
		PLVB	HHZ	-0.016
		PLVB	HHN	-0.009
		PLVB	HNZ	0.267
		PLVB	HNE	-0.158
		PLVB	HNN	-0.133
*	13	TPGR	HHE	0.000
		TPGR	HHZ	0.000
		TPGR	HHN	0.000
		TPGR	HNZ	0.007
		TPGR	HNE	-0.004
		TPGR	HNN	0.006
*	14	COVR	HHE	0.000
		COVR	HHZ	-0.000
		COVR	HHN	0.000
		COVR	HNZ	0.006
		COVR	HNE	0.007
		COVR	HNN	-0.011
*	15	RAZG	HHE	-0.004
		RAZG	HHZ	0.002
		RAZG	HHN	-0.003
		RAZG	HNZ	-0.042
		RAZG	HNE	0.090
		RAZG	HNN	-0.090
*	16	MLR	HHE	0.000
		MLR	HHZ	0.000
		MLR	HHN	0.000
		MLR	HNZ	0.004
		MLR	HNE	-0.004
		MLR	HNN	-0.004
*	17	BAIL	HHE	0.011
		BAIL	HHZ	-0.002
		BAIL	HHN	0.008
		BAIL	HNZ	0.077
		BAIL	HNE	-0.283
		BAIL	HNN	0.192
*	18	ELND	HHE	0.004
		ELND	HHZ	0.002
		ELND	HHN	-0.004
		ELND	HNZ	-0.049
		ELND	HNE	-0.145
		ELND	HNN	0.202
*	19	VRI	HHE	-0.000
		VRI	HHZ	-0.000
		VRI	HHN	-0.000
		VRI	HNZ	-0.005
		VRI	HNE	-0.013
		VRI	HNN	-0.011
*	20	ICOR	HHE	0.002
		ICOR	HHZ	0.002
		ICOR	HHN	0.003
		ICOR	HNZ	0.072

	ICOR	HNE		0.033
	ICOR	HNN		-0.050
*	21	VLAD	HHE	0.006
		VLAD	HHZ	-0.002
		VLAD	HHN	-0.005
		VLAD	HNZ	0.113
		VLAD	HNE	-0.165
		VLAD	HNN	-0.124
*	22	HUMR	HHZ	-0.003
		HUMR	HNE	0.071
		HUMR	HNN	0.046
*	23	GZR	HHE	0.002
		GZR	HHZ	0.001
		GZR	HHN	0.002
		GZR	HNZ	0.047
		GZR	HNE	-0.065
		GZR	HNN	0.070
*	24	BISRR	HHE	-0.002
		BISRR	HHZ	-0.001
		BISRR	HHN	-0.001
		BISRR	HNZ	-0.008
		BISRR	HNE	0.011
		BISRR	HNN	-0.012
*	25	TURR	HHE	-0.000
		TURR	HHZ	-0.000
		TURR	HHN	-0.000
*	26	MDVR	HHE	0.002
		MDVR	HHZ	0.001
		MDVR	HHN	-0.001
		MDVR	HNZ	0.022
		MDVR	HNE	0.023
		MDVR	HNN	0.024
*	27	BZS	HHE	-0.000
		BZS	HHZ	-0.000
		BZS	HHN	0.000
		BZS	HNZ	-0.009
		BZS	HNE	0.005
		BZS	HNN	0.010
*	28	AMRR	HHE	-0.001
		AMRR	HHZ	-0.001
		AMRR	HHN	0.001
		AMRR	HNZ	0.016
		AMRR	HNE	0.014
		AMRR	HNN	0.014
*	29	ARR	HHE	-0.000
		ARR	HHZ	0.000
		ARR	HHN	-0.000
		ARR	HNZ	-0.008
		ARR	HNE	0.009
		ARR	HNN	0.008
*	30	SRE	HHE	0.007
		SRE	HHZ	0.006
		SRE	HHN	-0.005
		SRE	HNZ	0.099
		SRE	HNE	-0.104
		SRE	HNN	0.072
*	31	PLOR	HHE	-0.001
		PLOR	HHZ	-0.001
		PLOR	HHN	0.001
		PLOR	HNZ	0.013
		PLOR	HNE	-0.008
		PLOR	HNN	0.009
*	32	LOT	HHE	-0.001
		LOT	HHZ	0.001
		LOT	HHN	0.001
		LOT	HNZ	0.021
		LOT	HNE	-0.024

	LOT	HNN		-0.027
*	33	DEV	HHE	-0.001
		DEV	HHZ	0.001
		DEV	HHN	-0.001
		DEV	HNZ	0.024
		DEV	HNE	-0.026
		DEV	HNN	-0.024

* Associated RO stations: 33
 Excluded stations:

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

Velocity	BOSR_HNN	0.029
Acceleration	PUNG_HNE	0.383

Stations max. horizontal acceleration and MSK intensity

1	AMRR_HNE	0.014	I
2	ARR_HNE	0.009	I
3	BAIL_HNE	0.283	I
4	BISRR_HNN	0.012	I
5	BZS_HNN	0.010	I
6	COVR_HNN	0.011	I
7	DEV_HNE	0.026	I
8	DOPR_HNE	0.008	I
9	ELND_HNN	0.202	I
10	GRER_HNE	0.065	I
11	GZR_HNN	0.070	I
12	HERR_HNN	0.232	I
13	HUMR_HNE	0.071	I
14	ICOR_HNN	0.050	I
15	ISR_HNE	0.068	I
16	LEHL_HNN	0.019	I
17	LOT_HNN	0.027	I
18	MDVR_HNN	0.024	I
19	MLR_HNE	0.004	I
20	PLOR_HNN	0.009	I
21	PLVB_HNE	0.158	I
22	PUNG_HNE	0.383	I
23	RAZG_HNE	0.090	I
24	SRE_HNE	0.104	I
25	STFAR_HNE	0.046	I
26	TLBR_HNE	0.001	I
27	TNR_HNN	0.175	I
28	TPGR_HNN	0.006	I
29	VLAD_HNE	0.165	I
30	VRI_HNE	0.013	I
31	ZIMR_HNE	0.154	I