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**COORDINATES AND IDENTIFICATIONS FOR
SONNEBERG VARIABLES ON MVS 275–281**

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The list below is a continuation of a series providing accurate positions and identifications for variables appearing on the *MVS* charts (Hoffmeister 1957). The variables here were first described by Hoffmeister (1943). Details about the identification procedure and table layout are contained in the first report of our series (Kinnunen & Skiff 2000).

Table 1: Variables on *MVS* 275–281

Sonne.	GCVS	RA (2000)	Dec	s	GSC	IRAS
S 3329	GW Cas*	0 ^h 46 ^m 53 ^s .27	+56°40′08″.4	G	3663-1363	00439+5623
S 3330	GX Cas	0 49 01.50	+56 52 44.6	A		
S 3331	GY Cas*	0 49 35.31	+56 09 29.6	A		
S 3332	GZ Cas	0 51 43.32	+55 59 22.9	T	3659-0751	00488+5543
S 3333	HH Cas	0 51 53.34	+55 59 11.3	T	3659-0043	
S 3334	HI Cas	0 55 29.77	+53 52 20.5	G	3668-0949	00525+5336
S 3335	HK Cas	0 57 20.05	+55 26 19.9	G	3672-1922	
S 3336	HL Cas	1 00 21.48	+56 49 28.6	T	3676-1768	
S 3337	HM Cas	1 00 34.81	+55 36 21.9	A		00576+5520
S 3338	HN Cas	1 00 54.37	+55 54 17.8	G	3672-1509	
S 3339	HO Cas	1 02 43.56	+61 51 43.0	G	4017-0408	
S 3340	HP Cas	1 04 13.15	+54 04 53.3	G	3668-2034	01012+5348
S 3341	HQ Cas	1 07 50.56	+60 07 10.2	G	4017-1534	
S 3342	HR Cas	1 07 07.88	+54 37 08.0	A		
S 3343	HT Cas	1 10 12.95	+60 04 36.2	A		
S 3344	HU Cas*	1 11 03.64	+57 20 45.9	T	3677-1213	
S 3345	HV Cas	1 11 03.45	+53 43 40.3	G	3669-0133	
S 3346	HW Cas	1 12 25.91	+54 50 08.0	G	3673-0549	01093+5434
S 3347	HX Cas	1 16 11.94	+59 15 22.2	G	3681-0656	01130+5859
S 3348	HY Cas	1 16 06.94	+57 14 24.4	A		
S 3349	V419 Cas	1 19 05.65	+56 53 48.1	A		
S 3350	HZ Cas	1 21 49.93	+54 58 48.6	T	3674-0666	01187+5443

Table 1: Variables on *MVS* 275–281 (cont'd.)

Sonne.	GCVS	RA (2000)	Dec	s	GSC	IRAS
S 3351	II Cas	1 ^h 26 ^m 40 ^s .97	+60°46'45".6	A		01234+6031
S 3352	IK Cas	1 26 36.90	+55 09 35.3	G	3674-1125	
S 3353	IL Cas	1 30 46.78	+60 06 02.4	T	4031-2917	
S 3354	IM Cas	1 32 00.25	+62 19 44.5	T	4035-0724	
S 3355	ES Per	1 32 50.16	+54 20 35.6	A		
S 3356	ET Per	1 39 22.17	+53 52 19.2	G	3671-1029	
S 3357	EU Per	1 39 27.29	+54 30 57.3	T	3675-1883	01362+5415
S 3358	IN Cas	1 40 57.16	+56 19 44.2	A		
S 3359	IO Cas	1 47 02.66	+59 36 23.0	A		
S 3360	IP Cas	1 48 55.86	+54 43 29.3	T	3688-2090	01456+5428
S 3361	IQ Cas	1 49 41.76	+59 43 10.3	T	3696-0917	
S 3362	EV Per	1 49 29.94	+53 58 36.6	G	3684-0997	01462+5343
S 3363	EW Per*	1 52 15.54	+56 58 02.5	G	3692-1494	
S 3364	BY Per	1 54 35.60	+54 47 59.9	A		
S 3365	CC Per	1 59 37.06	+55 59 22.1	A		
S 3366	CE Per	2 03 03.67	+52 11 48.1	G	3292-1670	01597+5157
S 3367	CF Per	2 03 23.65	+57 43 20.8	T	3693-1307	01599+5728
S 3368	CT Per	2 11 34.54	+59 06 05.6	G	3697-0702	02080+5852
S 3369	DH Per	2 22 01.46	+53 08 34.0	A		
S 3370	DM Per*	2 25 58.01	+56 06 10.0	T	3690-1139	
S 3371	DO Per*	2 27 22.17	+55 31 10.9	A		
S 3372	DT Per	2 31 23.15	+56 52 57.4	G	3695-1810	
S 3373	DU Per	2 32 45.05	+58 14 37.5	G	3699-1448	02290+5801
S 3374	EG Per	2 37 00.50	+53 58 26.7	A		02334+5345
S 3375	EL Per	2 40 16.63	+52 08 26.9	T	3308-2174	
S 3376	EY Per	3 52 00.48	+44 49 27.9	G	2876-0272	
S 3377	FF Per	3 52 36.58	+47 28 52.1	G	3330-2101	
S 3378	FG Per	3 53 30.2	+47 39 04	S		03499+4730
S 3379	FH Per	3 54 39.38	+47 06 38.9	G	3330-2279	
	FI Per*	3 54 56.80	+48 36 02.1	A		
S 3380	FK Per	3 57 00.52	+44 32 05.2	G	2876-1018	
S 3381	HW Per	3 58 46.09	+44 44 06.1	G	2876-1967	
S 3382	FL Per	3 59 37.27	+46 27 44.7	G	3327-1405	03560+4619
	FM Per*	4 03 27.02	+47 59 52.1	G	3331-1127	
S 3383	FN Per	4 04 17.19	+45 25 39.9	T	3327-0863	04007+4517
	FO Per*	4 08 34.95	+51 14 48.3	A		
S 3384	FP Per	4 10 29.63	+45 54 43.2	G	3328-1060	
	FR Per*	4 11 32.51	+51 20 03.0	T	3340-0761	04077+5121
S 3385	FS Per	4 12 05.18	+48 13 57.3	G	3332-2150	04084+4806
S 3386	FT Per	4 12 19.69	+44 45 41.8	G	2890-0881	04087+4438
S 3387	HX Per	4 13 01.11	+45 26 13.3	G	3328-0010	04094+4518
S 3388	FU Per	4 14 56.81	+48 49 16.6	A		04112+4841
S 3389	FV Per*	4 15 05.26	+46 50 04.1	G	3328-1349	04114+4642
S 3390	HY Per	4 20 56.32	+50 52 07.4	G	3341-1520	
S 3391	HZ Per	4 25 37.30	+45 37 13.4	G	3329-0799	
	FW Per*	4 27 44.56	+52 28 50.9	G	3341-0406	
S 3392	II Per	4 29 37.63	+44 25 40.5	A		
	FY Per*	4 41 56.59	+50 42 36.4	G	3355-0750	
S 3393	GL Per	4 19 09.00	+40 45 43.7	G	2882-1344	04157+4038

Table 1: Variables on *MVS* 275–281 (cont'd.)

Somme.	GCVS	RA (2000)	Dec	s	GSC	IRAS
S 3394	GO Per	4 ^h 22 ^m 31 ^s .20	+39°35'13''7	G	2883-1507	04191+3928
S 3395	GR Per	4 23 36.65	+38 38 03.8	G	2879-1163	04202+3831
S 3396	GQ Per*	4 23 23.21	+36 12 53.9	T	2384-1024	
S 3397	GT Per	4 27 14.95	+40 54 33.8	G	2883-2252	
S 3398	GU Per	4 27 32.43	+41 47 02.8	G	2887-2722	
S 3399	GV Per	4 27 49.65	+41 41 32.7	T	2887-2754	
S 3400	NZ Per*	4 27 59.45	+37 50 30.9	T	2879-0341	
S 3401	GW Per	4 29 17.94	+42 33 37.5	A		04257+4226
S 3402	GX Per*	4 29 16.83	+40 44 54.9	G	2883-2210	04258+4038
	GY Per*	4 29 15.12	+39 33 44.0	G	2883-2423	
S 3403	GI Per	4 29 43.25	+39 52 02.0	T	2883-2547	
S 3404	GZ Per*	4 29 51.28	+38 59 35.3	G	2879-1011	
S 3405	HI Per	4 35 11.77	+39 19 48.2	G	2880-0431	
S 3406	HM Per	4 39 42.84	+39 01 42.9	G	2880-1905	
S 3407	EU Aur	4 40 35.82	+35 25 10.4	G	2382-0533	
S 3408	HN Per	4 41 08.76	+39 25 17.6	G	2897-1468	04377+3919
	HO Per*	4 41 28.70	+40 11 30.5	T	2897-2025	
S 3409	HQ Per	4 43 57.89	+40 50 05.2	G	2897-1485	
S 3410	V421 Per	4 45 34.91	+43 34 22.4	A		
S 3411	HR Per	4 49 34.66	+40 43 31.0	G	2897-0685	04460+4038
S 3412	EV Aur	4 51 24.42	+42 46 59.9	G	2902-0591	04479+4242
S 3413	EW Aur*	4 51 24.84	+38 11 18.9	G	2894-2717	
S 3414	EX Aur*	4 52 41.45	+38 01 18.1	G	2894-2641	
S 3415	EY Aur	4 53 15.57	+41 48 57.0	G	2902-2207	04497+4144
S 3416	EZ Aur	4 53 13.04	+40 43 43.2	T	2898-2116	04497+4038
S 3417	FF Aur	4 55 18.13	+39 58 47.1	G	2898-1000	
S 3418	FH Aur	4 56 16.16	+40 04 32.2	G	2898-2371	04527+3959
S 3419	FI Aur	5 02 24.73	+42 09 42.1	G	2903-1803	
S 3420	BS Gem	6 10 18.42	+22 45 11.8	A		
S 3421	BT Gem	6 11 41.11	+23 19 39.9	A		
S 3422	BV Gem	6 15 34.26	+23 44 52.9	G	1877-0548	
S 3423	BW Gem	6 15 59.89	+23 44 50.9	G	1877-1395	
S 3424	GL Ori	6 18 52.37	+20 08 32.7	G	1323-0451	06158+2009
S 3425	GM Ori	6 23 51.40	+17 00 47.4	G	1319-1951	
S 3426	CE Gem	6 26 12.6	+16 44 19	S		
S 3427	CH Gem	6 28 08.03	+22 54 28.8	G	1879-1967	
S 3428	CI Gem*	6 30 05.86	+22 18 50.7	*		
S 3429	CK Gem	6 30 37.10	+19 38 28.3	A		
	CL Gem*	6 31 16.09	+18 14 21.0	T	1332-0807	
S 3430	CQ Gem*	6 33 58.21	+21 14 38.1	G	1341-0064	06309+2116
S 3431	CS Gem	6 36 30.78	+21 37 52.6	G	1341-1481	06334+2140
S 3432	CW Gem	6 39 58.90	+21 52 33.8	G	1341-0105	
S 3433	CX Gem	6 40 03.75	+21 49 18.7	G	1342-0844	
S 3434	DD Gem*	6 43 23.65	+19 14 52.8	A		
S 3435	DT CMa	7 17 41.00	-14 12 59.5	G	5407-3153	
S 3436	NSV 3523	7 18 17.51	-13 21 55.1	A		
S 3437	NSV 3531*	7 19 14.3	-17 58 27	S	5969-0224	07170-1752
S 3438	DV CMa	7 19 17.42	-14 19 04.8	A		07169-1413
S 3439	DW CMa*	7 19 35.94	-17 39 18.7	G	5969-2200	
S 3440	DO CMa	7 22 03.90	-16 13 18.0	G	5966-1784	

Table 1: Variables on *MVS* 275–281 (cont'd.)

Sonne.	GCVS	RA (2000)	Dec	s	GSC	IRAS
S 3441	BW CMa	7 ^h 22 ^m 08 ^s .03	−18°38′19″.0	A		
S 3442	EE CMa	7 23 11.80	−15 19 31.7	A		
S 3443	DP CMa	7 23 59.24	−17 12 58.4	G	5970-0124	
S 3444	DX CMa	7 24 43.94	−12 57 59.6	A		07223–1251
S 3445	KN Mon	7 25 50.84	−10 41 07.7	G	5400-1645	07234–1035
S 3446	KQ Mon	7 31 21.13	−10 21 49.0	G	5400-1088	
S 3447	NSV 3628*	7 31 55.36	−12 47 23.1	T	5405-1001	
S 3448	FW Pup	7 32 41.78	−12 46 27.6	G	5405-1299	
	EF Pup*	7 33 18.83	−12 21 25.6	G	5405-0260	07309–1214
S 3449	OO Pup	7 33 38.81	−16 19 01.7	G	5979-1909	
S 3450	FY Pup	7 35 58.83	−15 55 02.4	G	5979-1778	07337–1548
S 3451	HP Pup*	7 37 14.78	−16 53 39.1	A		
S 3452	GV Pup	7 42 08.70	−13 00 12.5	G	5418-0692	
	GL Pup*	7 42 41.10	−12 13 27.1	A		07403–1206
S 3453	GM Pup	7 45 44.17	−17 33 01.6	G	5985-1357	07434–1725
S 3454	GW Pup	7 46 23.72	−17 25 09.1	G	5985-0931	
S 3455	IK Mon	7 46 47.38	−10 48 32.6	A		07444–1041
S 3456	GP Pup	7 48 32.55	−15 11 16.1	G	5981-1031	
S 3457	KW Pup*	7 49 20.32	−15 05 37.1	T	5981-1097	
S 3458	GS Pup	7 51 57.45	−16 46 37.9	G	5981-0421	
S 3459	V457 Her*	17 08 23.89	+20 42 56.4	T	1547-1394	17062+2046
S 3460	V468 Her	17 13 40.05	+20 58 49.0	G	1548-0915	
	V471 Her*	17 15 02.64	+22 25 56.2	A		
S 3461	V472 Her	17 15 48.53	+21 27 57.4	T	1548-1335	17136+2131
S 3462	V387 Her	17 18 47.05	+20 14 30.6	T	1544-1390	
S 3463	V475 Her*	17 19 59.55	+24 12 06.2	G	2074-1393	
S 3464	V479 Her	17 21 26.18	+18 33 19.9	T	1541-0273	17192+1836
S 3465	V397 Her	17 23 08.28	+22 39 29.6	G	2074-0071	
S 3466	V500 Her	17 35 58.58	+18 28 35.8	T	1542-0070	
S 3467	NU Her	17 36 05.17	+22 15 31.2	A		17339+2217
S 3468	V506 Her	17 38 11.32	+18 53 17.2	G	1559-0242	
S 3469	V514 Her	17 40 56.96	+24 02 56.3	G	2076-1685	
S 3470	V619 Aql	19 32 58.34	+07 41 10.2	G	1056-3411	19305+0734
S 3471	V630 Aql	19 35 42.49	+07 52 11.1	G	1056-2859	
S 3472	V640 Aql	19 37 52.48	+10 47 09.2	T	1060-2030	
	V536 Aql*	19 38 57.41	+10 30 16.6	A		19365+1023
S 3473	V667 Aql	19 44 37.97	+10 09 21.7	T	1061-0217	
S 3474	V675 Aql	19 46 02.72	+13 58 53.2	G	1069-0208	19437+1351
S 3475	V685 Aql*	19 48 02.93	+14 50 36.6	G	1070-0061	19457+1443
S 3476	V705 Aql	19 51 46.37	+12 35 16.1	A		19494+1227
S 3477	V719 Aql	19 55 30.61	+07 25 41.9	T	0493-0115	
S 3478	V748 Aql*	19 59 39.63	+10 46 22.8	A		
	V509 Cyg*	20 37 38.58	+47 13 07.4	T	3578-2519	
S 3479	V513 Cyg	20 45 56.78	+40 38 22.6	T	3170-0931	
S 3480	V522 Cyg*	20 59 05.93	+48 05 37.4	A		20574+4753

Table 1: Variables on *MVS* 275–281 (cont'd.)

Sonne.	GCVS	RA (2000)	Dec	s	GSC	IRAS
S 3481	NSV 13583	21 ^h 11 ^m 00 ^s .50	+39°58'21".9	T	3173-2920	
S 3482	V527 Cyg*	21 10 47.37	+45 14 13.7	G	3588-1858	
S 3483	V529 Cyg	21 13 00.01	+40 08 28.3	A		
S 3484	V531 Cyg	21 18 30.91	+41 07 59.4	A		
S 3485	V532 Cyg	21 20 32.90	+45 28 03.0	T	3589-4843	
S 3486	V534 Cyg	21 21 08.45	+44 15 04.5	G	3194-1023	
S 3487	V535 Cyg	21 21 23.24	+42 14 13.7	A		
	V459 Cyg*	21 10 54.38	+49 08 31.4	T	3596-0297	
S 3488	V582 Cyg	21 11 51.39	+46 34 17.7	T	3589-4749	
S 3489	V602 Cyg	21 23 36.01	+41 33 11.4	T	3190-0950	
S 3490	V606 Cyg	21 26 24.50	+47 20 12.9	G	3594-1727	
	V611 Cyg*	21 29 22.23	+41 56 16.5	T	3190-1370	
S 3491	V623 Cyg	21 33 06.47	+45 43 35.9	G	3590-2430	21312+4530
S 3492	V624 Cyg*	21 33 14.53	+43 55 11.6	T	3195-1012	21313+4341
S 3493	V626 Cyg	21 34 03.88	+45 21 17.1	G	3591-2896	21321+4507
S 3494	V629 Cyg	21 34 15.20	+44 07 57.6	G	3195-1887	
S 3495	V655 Cyg	21 43 52.78	+48 00 37.0	G	3595-0548	
S 3496	V658 Cyg	21 47 40.4	+42 43 45	S		
S 3497	V664 Cyg	21 48 33.74	+40 58 36.0	T	3188-1369	
S 3498	V671 Cyg	21 50 15.12	+47 48 01.5	T	3608-0743	21483+4733
S 3499	V673 Cyg	21 51 37.72	+43 09 58.9	G	3197-2745	21496+4255
S 3500	NSV 14294	22 43 14.71	+50 57 32.2	G	3633-1395	22411+5041
S 3501	DS Lac	22 42 54.32	+55 18 41.7	A		22408+5502
S 3502	FH Lac	22 45 12.22	+50 25 10.1	G	3629-1699	22430+5009
S 3503	FK Lac	22 46 33.43	+52 09 28.7	G	3633-2237	
S 3504	EF Lac*	22 49 49.57	+48 37 54.5	A		22476+4821
S 3505	FM Lac*	22 51 10.93	+53 06 46.5	G	3984-2315	22490+5250
S 3506	EI Lac	22 55 44.42	+49 45 28.5	G	3630-1416	
S 3507	CS And	22 58 05.73	+48 45 33.3	T	3630-1025	22558+4829
S 3508	KW Cas	22 58 48.55	+57 13 30.8	G	3993-1422	22567+5657
S 3509	CT And	22 59 37.23	+51 40 17.1	G	3634-0152	22574+5124
S 3510	CU And	23 01 01.64	+49 58 25.4	G	3630-0666	
S 3511	BP And	23 00 59.10	+50 01 08.3	G	3630-0094	
S 3512	CV And*	23 00 59.96	+50 18 32.1	A	3630-0158	
	BQ And*	23 02 05.08	+51 35 40.2	G	3634-0270	22598+5119
S 3513	V343 Cas	23 04 49.64	+56 32 57.8	G	3993-2216	23026+5616
S 3514	CW And	23 06 04.15	+50 04 17.7	G	3631-0192	23038+4947
	IR Cas*	23 06 52.38	+54 04 52.2	T	3998-2007	
S 3515	CX And*	23 07 24.52	+50 45 51.6	G	3635-1496	23051+5029
S 3516	CY And	23 07 46.67	+51 14 31.8	G	3635-1046	23055+5058
S 3517	V345 Cas	23 08 39.88	+54 06 54.8	A		
S 3518	V560 Cas	23 10 43.36	+57 15 54.3	T	4006-0708	23085+5659
S 3519	V346 Cas*	23 10 55.57	+53 13 50.3	G	3998-2251	23086+5257
S 3520	BL And	23 11 24.26	+51 52 31.3	T	3635-1169	

Table 1: Variables on *MVS* 275–281 (cont'd.)

Sonne.	GCVS	RA (2000)	Dec	s	GSC	IRAS
S 3521	V561 Cas	23 ^h 11 ^m 15 ^s .05	+55°56′16″.2	G	4002-0167	23090+5539
S 3522	V349 Cas	23 11 31.02	+56 01 30.3	G	4002-0352	
S 3523	V350 Cas	23 12 02.60	+53 40 31.3	G	3998-2392	
S 3524	NSV 14453	23 11 58.95	+49 39 36.6	G	3631-1728	23097+4923
S 3525	V351 Cas*	23 12 12.94	+56 26 24.4	G	4006-0915	23100+5610
S 3526	V562 Cas	23 13 13.39	+56 36 12.6	G	4006-0523	
S 3527	DD And	23 17 10.63	+52 49 39.9	G	3998-0867	23148+5233
S 3528	DE And	23 17 26.13	+48 33 06.2	A		
S 3529	BE And	23 19 42.96	+48 40 09.1	T	3640-0649	
S 3530	LN Cas	23 20 22.04	+54 45 41.5	G	4003-2399	23180+5429
S 3531	DG And	23 23 18.32	+52 10 57.9	G	3648-0197	23209+5154
S 3532	V353 Cas*	23 23 28.12	+56 10 01.1	T	4003-0145	23211+5553
S 3533	DH And	23 24 38.67	+49 03 02.0	G	3644-2062	23223+4846
S 3534	V354 Cas	23 26 27.24	+53 53 06.9	A		23241+5336
S 3535	DI And	23 26 56.31	+48 57 21.2	G	3645-2006	
S 3536	NSV 14570	23 27 03.64	+54 37 15.1	A		
S 3537	V355 Cas	23 27 06.32	+56 44 44.4	G	4007-1293	
S 3538	V356 Cas*	23 29 13.16	+56 39 33.4	T	4007-1055	23268+5622
S 3539	V357 Cas	23 29 50.66	+54 57 59.5	G	4003-2012	
S 3540	DN And	23 35 51.36	+50 10 19.1	G	3645-0286	23334+4953
S 3541	LS Cas	23 38 09.89	+56 01 46.8	G	4004-1031	23357+5545

Notes:

- BQ And AN 459.1937.
CV And southeastern star of a close pair.
CX And southeastern star of a pair.
V536 Aql AN 112.1904.
V685 Aql IRC +10440.
V748 Aql GCVS 4.1 position 4′8 in error.
EW Aur USNO-A2.0 position given by Skiff (1999).
EX Aur near to but outside the position error-ellipse of IRAS 04493+3756.
DW CMa a nebula is associated with the variable and IRAS source.
GW Cas northwestern star of a pair.
GY Cas GCVS 4.1 position 3′2 in error.
HU Cas eastern component of an unequal pair.
IR Cas SVS 635.
V346 Cas *MVS* chart has the wrong star of a wide pair marked.
V351 Cas GCVS 4.1 position 3′4 in error.
V353 Cas IRC +60403.
V356 Cas IRC +60407.
V459 Cyg AN 659.1936; *not* IRAS 21093+4857 = WB89 47, which is a background molecular cloud; the variable is outside the IRAS error ellipse.
V509 Cyg AN 731.1933; northeastern star of a pair.
V522 Cyg IRAS source includes long-wavelength flux due to nebulae associated with the variable.
V527 Cyg EM* CGHA 60.
V611 Cyg AN 53.1939.
V624 Cyg IRC +40484.

Notes (cont'd.):

CI Gem	identification and position of Schmeer & Duerbeck (1999) adopted.
CL Gem	AN 691.1933.
CQ Gem	GCVS 4.1 position 3'0 in error.
DD Gem	eastern star of a pair; GCVS 4.1 position 3'2 in error.
V457 Her	BD+20°3401 (−3' BD Dec error).
V471 Her	SV* R 378.
V475 Her	1RXS J171959.4+241202. The difference in USNO-A2.0 and GSC-ACT positions implies a modest proper motion of 0''09/year to the southwest. Together with the x-ray detection, this suggests the star is a nearby active dwarf.
EF Lac	southmost of trio.
FM Lac	southern star of a close double.
DM Per	HD 14871.
DO Per	GCVS 4.1 position 3'2 in error.
EW Per	near to but outside the position error-ellipse of IRAS 01489+5643.
FI Per	SV* R 2.
FM Per	SVS 663.
FO Per	AN 22.1939.
FR Per	AN 636.1936.
FV Per	IRC +50113.
FW Per	SVS 664.
FY Per	AN 640.1936.
GQ Per	HD 279815.
GX Per	GCVS 4.1 position 3'7 in error.
GY Per	AN 423.1928.
GZ Per	westernmost of a trio.
HO Per	SVS 767.
NZ Per	HD 279863.
EF Pup	AN 12.1937.
GL Pup	AN 13.1937.
HP Pup	GCVS 4.1 position 4'2 in error.
KW Pup	brighter of a pair.
NSV 3531	western component of a close double; variable on POSS-I/II. Lopez (1993) gives the GSC v1.1 position for the mean of the pair.
NSV 3628	BD−12°2011.

References:

- Hoffmeister, C., 1943, *Astron. Nach.*, **274**, 36
Hoffmeister, C., 1957, *Mitt. Veränder. Sterne*, No. 245
Kinnunen, T., and Skiff, B. A., 2000, *IBVS*, No. 4862
Lopez, C. E., 1993, *IBVS*, No. 3873
Schmeer, P., and Duerbeck, H. W., 1999, *IBVS*, No. 4758
Skiff, B. A., 1999, *IBVS*, No. 4721