COMMISSIONS 27 AND 42 OF THE IAU
INFORMATION BULLETIN ON VARIABLE STARS

Number 4906

Konkoly Observatory
Budapest
2 June 2000

HU ISSN 0374 – 0676

COORDINATES AND IDENTIFICATIONS FOR SONNEBERG VARIABLES ON MVS 308–316

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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 (1949). Details about the identification procedure and table layout are contained in the first report of our series (Kinnunen & Skiff 2000). Some stars in this list have accurate positions already reported by Shokin & Samus (1997) and by Yoshida *et al.* (1999). The USNO-Flagstaff PMM pixel-server (Levine 2000) was again useful in making several identifications.

Table 1: Variables on *MVS* 308–316

Sonne.	GCVS	RA (2000)	Dec	s	GSC	IRAS
S 4523	V502 Cyg	$20^h26^m28^s.76$	$+42°41'45''.3$	G	3160-0462	
S 4524	V503 Cyg	20 27 17.50	+43 41 24.8	A		
	V506 Cyg*	20 30 37.82	+44 55 35.1	G	3165-0182	
S 4525	V507 Cyg	20 31 04.49	+47 22 00.4	A		
S 4526	NSV 13146*	20 33 09.96	+48 32 26.8	A		
S 4527	V511 Cyg	20 43 18.02	+45 45 18.0	A		
S 4528	V510 Cyg	20 43 09.64	+48 58 45.4	A		
S 4529	V512 Cyg	20 44 43.68	+49 35 50.9	T	3582-0560	
S 4530	V516 Cyg	20 47 09.79	+41 55 26.8	A		
S 4531	V519 Cyg	20 51 51.45	+46 32 27.1	G	3575-2497	
S 4532	V521 Cyg*	20 58 23.83	+43 53 11.2	A		
S 4533	V1225 Cyg*	21 06 16.0	+46 18 03	S		21045+4605
S 4534	NSV 13539*	21 06 17.18	+46 18 05.6	T		
S 4535	V458 Cyg	21 08 07.29	+45 39 29.9	G	3588-6507	
S 4536	V526 Cyg	21 10 17.50	+45 56 10.0	G	3588-4438	
S 4537	V1664 Cyg*	21 11 09.45	+39 33 24.2	A		
S 4538	V528 Cyg	21 11 36.77	+41 51 39.7	G	3177-2886	
S 4539	V530 Cyg	21 12 09.57	+47 38 01.7	T	3593-2868	
S 4540	V572 Cyg	21 09 00.7	+41 12 03	S		

Table 1: Variables on *MVS* 308–316 (cont'd.)

Sonne.	GCVS	RA (2000)	Dec	s	GSC	IRAS
S 4541	V576 Cyg	$21^h09^m38^s.82$	$+42°17'39''.4$	G	3176-0306	
S 4542	V579 Cyg	21 10 48.37	+44 10 45.6	T	3181-5031	
S 4543	NSV 13593	21 11 08.64	+47 10 05.9	T	3592-2060	
S 4544	V583 Cyg*	21 12 35.74	+48 03 56.9	G	3593-3223	
S 4545	V584 Cyg	21 13 40.63	+44 02 08.9	A		
S 4546	V591 Cyg	21 17 24.73	+46 11 22.5	T	3589-3299	
S 4547	V593 Cyg	21 19 09.87	+42 38 18.2	A		
S 4548	V731 Cyg*	21 20 36.31	+45 14 41.2	G	3589-7386	
S 4549	V605 Cyg	21 25 44.81	+47 42 44.2	G	3594-2346	
S 4550	V732 Cyg	21 27 59.24	+43 35 20.8	A		21260+4322
S 4551	V610 Cyg	21 29 07.29	+40 40 11.3	A		
	V611 Cyg*	21 29 22.23	+41 56 16.5	T	3190-1370	
S 4552	V615 Cyg	21 30 26.08	+50 09 19.6	A		
S 4553	V616 Cyg	21 30 33.90	+50 07 32.8	A		
S 4554	V628 Cyg	21 34 04.05	+47 14 22.0	G	3595-2084	
S 4555	V537 Cyg	21 34 01.19	+49 55 59.5	T	3599-0780	
S 4556	V630 Cyg*	21 34 59.22	+40 40 18.8	A		
S 4557	V631 Cyg	21 35 08.47	+43 51 41.3	A		
S 4558	V632 Cyg*	21 36 04.22	+40 26 19.4	A		
S 4559	V645 Cyg*	21 39 58.0	+50 14 24	S	3599-1758	21381+5000
S 4560	V654 Cyg	21 43 55.90	+44 46 43.0	G	3196-1116	
S 4561	V660 Cyg*	21 48 11.45	+41 02 41.4	A		
S 4562	V663 Cyg	21 48 31.51	+42 05 32.0	G	3192-0898	
S 4563	V668 Cyg	21 49 56.77	+40 56 31.8	A		21479+4042
S 4564	V669 Cyg	21 49 59.40	+45 03 45.2	G	3604-0490	
S 4565	V670 Cyg*	21 50 19.0	+42 46 22	S		21483+4232
S 4566	V672 Cyg	21 51 21.44	+44 39 50.4	A		
S 4567	V674 Cyg	21 51 27.61	+49 44 52.2	G	3612-1129	21495+4930
S 4568	V675 Cyg	21 51 57.93	+48 43 48.3	G	3608-0393	
S 4569	DL Lac*	21 58 37.16	+41 46 24.8	G	3193-0554	
S 4570	ET Lac	21 59 06.31	+41 03 56.1	G	3189-0410	21570+4049
S 4571	IK Cep	21 52 05.51	+56 45 48.1	G	3976-1073	21503+5631
S 4572	V1429 Cyg	21 55 06.22	+53 25 22.2	A		
S 4573	V1430 Cyg	21 56 06.90	+50 17 34.6	A		
	CP Cep*	21 57 52.69	+56 09 50.1	T	3972-0139	
	GN Cep*	21 59 52.27	+57 21 48.7	G	3976-0717	
S 4574	V1414 Cyg*	22 01 20.87	+47 36 04.6	A		
S 4575	MN Cep	22 04 25.72	+54 26 18.4	A		
S 4576	DM Lac	22 04 35.65	+52 53 58.8	A		
S 4577	HX Lac	22 06 08.26	+49 31 48.8	A		
S 4578	DN Lac	22 06 28.86	+51 10 53.9	A		22045+5056
S 4579	PT Lac	22 06 48.08	+51 40 10.8	A		
S 4580	DO Lac*	22 07 37.00	+47 44 40.0	G	3610-1569	22056+4729
S 4581	NSV 14046	22 08 44.26	+48 55 23.7	A		22067+4840
S 4582	MR Cep	22 11 16.49	+55 01 12.3	A		
S 4583	DP Lac*	22 14 53.4	+55 21 17	S		
S 4584	PZ Lac	22 15 57.44	+49 34 34.4	A		22139+4919
S 4585	QQ Lac	22 16 55.45	+50 05 23.0	T	3614-1765	22149+4950
S 4586	KU Lac	22 17 01.70	+55 10 38.2	A		
S 4587	NSV 14115	22 19 12.40	+49 20 06.4	A		

Table 1: Variables on *MVS* 308–316 (cont'd.)

Sonne.	GCVS	RA (2000)	Dec	s	GSC	IRAS
S 4588	NSV 14134	$22^h21^m40^s.74$	$+47°31'41''.0$	G	3611-1909	
S 4589	QV Lac*	22 26 40.96	+49 44 59.0	A		
S 4590	DQ Lac	22 26 56.68	+56 49 39.2	A		22250+5634
S 4591	NO Lac	22 28 11.96	+53 56 11.9	A		
S 4592	NSV 14189*	22 31 03.66	+47 13 41.3	A		
S 4593	ES Lac	22 32 06.31	+53 57 32.8	T	3983-0386	
S 4594	V336 Lac	22 37 55.23	+55 14 32.6	A		
S 4595	DR Lac	22 39 22.67	+51 32 35.2	A		
S 4596	GK Lac	22 41 56.21	+50 28 00.3	T	3629-0431	
S 4597	FF Lac	22 43 22.43	+48 00 52.9	G	3625-1586	
S 4598	DT Lac	22 43 45.3	+52 15 21	S		
S 4599	EE Lac*	22 48 42.23	+52 17 11.9	A		
S 4600	FL Lac	22 49 50.34	+51 15 48.6	A		
S 4601	NSV 14252	22 37 17.44	+63 57 18.7	G	4273-0701	22355+6341
S 4602	DG Cep	22 44 11.11	+61 43 42.6	T	4265-0376	
S 4603	NSV 14333*	22 50 53.19	+61 45 58.0	G	4265-0106	
S 4604	IM Cep	23 13 10.91	+62 42 05.6	G	4283-0073	
S 4605	V399 Cas	23 22 25.23	+61 07 46.9	A		
S 4606	NSV 14247*	22 36 21.95	+53 05 19.2	A		
S 4607	EY Lac	22 41 48.28	+54 24 24.4	A		
S 4608	DF Cep*	22 42 55.42	+57 37 04.3	A		22409+5721
S 4609	FI Lac	22 45 03.76	+55 32 22.2	G	3988-0039	
S 4610	DV Lac	22 45 04.26	+56 37 18.8	T	3992-2086	22430+5621
	DW Lac*	22 46 34.02	+52 51 40.8	A		
S 4611	DX Lac	22 47 04.49	+52 21 29.9	A		22449+5205
S 4612	NSV 14318	22 47 08.36	+50 06 47.6	G	3629-2399	
S 4613	DY Lac	22 47 19.26	+53 59 06.6	A		
S 4614	DZ Lac	22 48 22.60	+49 11 59.9	A		22462+4856
S 4615	FR Lac	22 48 57.90	+54 12 35.6	A		
S 4616	NSV 14332	22 50 54.52	+48 39 24.2	G	3625-1048	
S 4617	EG Lac*	22 50 38.8	+55 14 52	S		
S 4618	FN Lac	22 51 33.46	+50 46 30.9	T	3633-0017	22494+5030
S 4619	FO Lac*	22 52 01.06	+50 58 09.3	G	3633-1309	22498+5042
S 4620	FS Lac	22 53 14.44	+47 58 06.8	A		
S 4621	FT Lac	22 54 27.56	+48 25 57.9	A		
S 4622	NSV 14365*	22 55 25.39	+52 17 09.2	A		
S 4623	V342 Cas	23 01 21.16	+57 52 01.4	G	3993-0763	
S 4624	KX Cas*	23 02 36.61	+57 55 11.3	A		
S 4625	KY Cas*	23 04 53.61	+53 15 47.2	A		
S 4626	BR And	23 05 15.81	+52 10 40.0	A		
S 4627	V344 Cas	23 07 35.12	+57 23 33.9	T	4006-1750	
S 4628	KZ Cas*	23 08 13.98	+56 27 17.5	A		
S 4629	CZ And	23 09 00.88	+49 36 51.3	G	3631-1623	
S 4630	NSV 14438	23 08 52.51	+52 41 32.1	A		
S 4631	V348 Cas*	23 11 25.7	+57 45 02	S		
S 4632	BS And	23 12 46.97	+51 52 25.8	A		
S 4633	LM Cas*	23 12 59.7	+56 51 20	S		
S 4634	V352 Cas	23 17 57.57	+53 44 25.4	G	3998-0908	23156+5328
S 4635	DF And	23 18 40.26	+48 11 21.4	T	3640-0047	23163+4754

Table 1: Variables on *MVS* 308–316 (cont'd.)

Sonne.	GCVS	RA (2000)	Dec	s	GSC	IRAS
S 4636	NSV 14547*	$23^h24^m39^s.65$	$+49°36'00''.9$	A		
S 4637	BV And*	23 27 02.08	+50 07 13.2	A		
S 4638	NSV 14573	23 27 19.63	+48 17 28.4	A		
S 4639	DK And	23 28 45.90	+50 34 29.2	G	3645-0701	
S 4640	V369 Cas	23 29 31.29	+52 30 38.6	A		
S 4641	DL And	23 29 47.02	+48 57 18.9	G	3645-1904	23273+4840
S 4642	V370 Cas	23 30 17.88	+50 50 08.8	G	3649-2069	
S 4643	V358 Cas	23 30 27.36	+57 58 33.8	G	4007-0414	
S 4644	V371 Cas	23 33 46.34	+53 37 15.4	A		
S 4645	V359 Cas*	23 34 27.13	+56 19 17.8	T	4008-1283	
S 4646	V360 Cas	23 34 47.58	+55 54 16.4	T	4004-0771	
S 4647	BM And	23 37 38.48	+48 24 12.0	G	3642-0171	
S 4648	V361 Cas	23 41 44.28	+56 09 52.5	T	4004-0633	
S 4649	NSV 14675	23 42 03.49	+52 08 46.7	A		
S 4650	LO Cas	23 43 01.51	+52 47 15.7	A		
S 4651	PW Cas	23 25 58.46	+61 16 00.6	G	4280-1499	
	V530 Cas*	23 30 44.11	+60 15 20.7	T	4280-1989	
S 4652	DY Cep	23 32 05.44	+64 00 53.6	T	4288-1103	
S 4653	PX Cas	23 34 02.31	+56 50 28.8	A		
S 4654	PY Cas*	23 43 43.53	+61 05 52.5	T	4281-2062	23413+6049
S 4655	KK Cas	23 49 56.03	+59 56 26.6	G	4013-1095	
S 4656	QR Cas	23 51 04.24	+55 41 48.8	A		
S 4657	QT Cas*	23 53 10.01	+62 38 01.7	G	4285-0878	
S 4658	QU Cas	23 54 25.57	+56 04 21.1	A		
S 4659	LP Cas	23 57 18.79	+54 52 51.1	A		23547+5436
S 4660	QW Cas	23 57 44.21	+56 56 46.0	T	4009-1351	23552+5640
S 4661	QV Cas*	23 57 22.02	+62 10 59.2	G	4285-2442	23548+6154
S 4662	QY Cas	23 59 05.15	+54 01 00.7	A		
S 4663	QZ Cas	23 59 40.95	+56 24 13.8	G	4009-1979	
S 4664	V335 Cas	23 59 38.50	+59 45 30.3	G	4013-0847	
S 4665	V336 Cas	0 01 00.40	+60 26 45.6	G	4014-1935	
S 4666	V362 Cas	0 02 21.46	+63 28 07.2	G	4018-1972	
S 4667	LQ Cas	0 04 10.96	+61 42 07.8	A		
S 4668	MQ Cas	0 09 37.54	+58 13 11.0	G	3664-0126	00070+5756
S 4669	MR Cas	0 11 42.02	+58 04 23.9	A		
S 4670	V337 Cas*	0 13 22.33	+58 12 33.5	G	3665-1130	
S 4671	MT Cas	0 14 43.69	+54 40 14.2	A		
S 4672	MU Cas	0 15 51.56	+60 25 53.6	T	4014-1119	
S 4673	MV Cas	0 16 37.73	+62 48 48.9	A		
S 4674	MW Cas*	0 16 49.4	+55 05 01	S	3657-1399	
S 4675	MX Cas	0 19 53.44	+55 01 03.2	A		
S 4676	MY Cas	0 21 06.89	+63 54 46.3	G	4023-0337	
S 4677	NN Cas*	0 22 20.0	+57 30 02	S		
S 4678	NO Cas	0 24 04.65	+61 20 30.0	T	4015-1454	
S 4679	NP Cas	0 23 57.66	+62 57 00.6	G	4019-1669	
S 4680	NQ Cas	0 24 34.87	+54 17 38.3	T	3653-0117	
S 4681	NR Cas	0 25 27.20	+56 05 08.5	T	3657-0001	
S 4682	NS Cas	0 30 57.09	+57 18 25.3	G	3662-1990	
S 4683	NT Cas	0 32 04.64	+55 27 21.1	A		
S 4684	NU Cas	0 32 24.65	+57 01 51.6	G	3662-0956	
S 4685	NV Cas	0 36 13.04	+55 54 48.2	A		

Table 1: Variables on *MVS* 308–316 (cont'd.)

Sonne.	GCVS	RA (2000)	Dec	s	GSC	IRAS
S 4686	NW Cas	$0^h37^m16^s.53$	$+58°46'24''.1$	G	3666-1810	
S 4687	V339 Cas*					
S 4688	KQ Cas	0 38 37.72	+58 32 42.2	A		
S 4689	NX Cas	0 38 59.46	+59 27 48.8	G	3666-0923	
S 4690	NY Cas	0 40 23.21	+58 37 06.7	G	3667-0948	
S 4691	NZ Cas	0 43 48.39	+60 12 10.1	G	4016-1611	
S 4692	OP Cas	0 46 29.91	+63 32 35.9	T	4020-0217	
S 4693	OQ Cas	0 47 25.12	+61 01 46.8	G	4016-0741	
S 4694	OR Cas	0 48 01.31	+60 51 42.1	T	4016-1866	
S 4695	DT Cas	23 34 59.63	+59 21 29.3	G	4012-1261	
S 4696	DU Cas	23 37 12.00	+57 26 22.8	G	4008-0916	23348+5709
S 4697	EI Cas	23 45 46.06	+58 06 43.0	A		
S 4698	EL Cas	23 47 38.55	+62 27 10.8	G	4285-2048	
S 4699	FH Cas	0 05 52.60	+55 02 01.8	T	3656-0368	00032+5445
S 4700	FU Cas	0 34 54.27	+55 17 15.6	G	3658-1829	
S 4701	FV Cas	0 36 36.41	+55 13 31.9	G	3658-1973	
S 4702	FX Lac	22 24 25.44	+46 08 50.9	A		
S 4703	GH Lac*	22 39 36.18	+47 17 48.7	A		
S 4704	CN And	0 20 30.54	+40 13 33.8	T	2787-1815	
S 4705	LZ Cas	0 37 23.19	+46 46 06.7	T	3249-2311	
S 4706	BZ And	0 37 37.75	+45 36 15.3	T	3249-0012	
S 4707	KR Cas	0 54 02.15	+54 31 01.1	T	3672-0269	
S 4708	KS Cas	0 57 04.06	+48 42 11.3	T	3267-0810	
S 4709	DR And*	1 05 10.70	+34 13 06.3	T	2286-0352	
S 4710	BN And	1 10 47.81	+34 07 37.1	T	2286-0416	01079+3351
S 4711	CD And	1 26 28.36	+44 21 25.0	T	2825-2245	
S 4712	CE And	1 29 33.27	+46 39 33.0	T	3265-1605	
S 4713	CI And*	1 55 08.31	+43 45 56.5	T	2828-0830	
S 4714	CP And	2 12 51.23	+45 37 51.7	T	3281-1567	
S 4715	BI And	2 25 54.34	+38 07 22.2	T	2831-1262	
S 4716	DU And	2 30 31.34	+40 50 33.3	G	2836-0362	
S 4717	CQ And	2 31 31.96	+45 56 36.6	G	3295-2141	02282+4543
S 4718	RX Tri	2 39 27.11	+35 18 50.0	T	2332-0361	02363+3505
S 4719	KL Per*	2 41 16.51	+48 56 18.8	T	3304-0048	
S 4720	IV Per	2 59 56.26	+42 37 15.1	A		02566+4225
S 4721	KN Per	3 22 35.65	+41 19 55.3	T	2869-2543	
S 4722	LY Per	3 22 41.24	+34 12 37.2	T	2349-1387	03195+3401
S 4723	IP Per	3 40 46.96	+32 31 53.7	T	2359-1011	
S 4724	IQ Per	3 59 44.68	+48 09 04.5	T	3331-1175	
S 4725	IR Per	4 20 03.17	+41 03 50.1	T	2883-1186	
S 4726	IX Aur*	5 36 08.35	+38 02 00.0	T	2910-1284	
S 4727	HL Aur	6 19 13.04	+49 42 06.9	T	3383-0696	
S 4728	GO Aur	6 26 01.98	+50 29 28.8	G	3384-0832	06221+5031
S 4729	GQ Aur	6 26 42.85	+47 14 23.1	G	3380-1273	06229+4716
S 4730	KT Aur*	6 27 43.70	+53 41 47.1	T	3765-1987	06236+5343
S 4731	KS Aur*	6 25 43.94	+36 26 19.8	T	2433-0099	06223+3628
S 4732	HR Aur*	6 31 11.02	+30 56 16.0	T	2422-0827	
S 4733	DW Gem	6 30 59.84	+27 27 07.6	T	1887-1313	
S 4734	SU Lyn	6 42 55.14	+55 28 27.2	T	3770-1789	
S 4735	GR Aur*	6 43 42.63	+38 01 53.4	A		06402+3804

Table 1: Variables on *MVS* 308–316 (cont'd.)

Sonne.	GCVS	RA (2000)	Dec	s	GSC	IRAS
S 4736	NSV 3185	$6^h44^m37^s.43$	$+41°44'07''.0$	G	2949-0574	
S 4737	GX Gem	6 46 09.14	+34 24 52.8	T	2444-0267	
S 4738	FW Gem	6 58 33.85	+31 38 26.4	A		06553+3142
S 4739	TX Lyn	7 18 08.22	+48 16 38.7	T	3396-0351	07144+4822
S 4740	TV Lyn*	7 33 31.73	+47 48 09.9	T	3409-1947	
S 4741	TW Lyn	7 45 06.29	+43 06 41.7	T	2967-0176	
S 4742	BM Lyn	7 47 20.82	+47 20 17.6	T	3407-0482	
S 4743	GW Gem	7 52 28.98	+27 09 15.6	T	1933-0692	
S 4744	SV Lyn	8 03 39.95	+36 20 41.6	T	2480-1142	
S 4745	SS Lyn	8 05 55.46	+51 41 13.6	T	3414-0470	
S 4746	SW Lyn	8 07 41.57	+41 48 01.7	T	2976-0085	
S 4747	SZ Lyn	8 09 35.75	+44 28 17.6	T	2979-1320	
S 4748	RX Lyn	8 28 08.04	+38 20 23.0	T	2975-0217	
S 4749	YY Cnc	8 34 38.90	+31 18 27.5	T	2483-0099	
S 4750	WX Cnc	8 46 50.81	+32 51 04.9	T	2487-0010	
S 4751	WY Cnc	9 01 55.45	+26 41 22.7	T	1953-0395	
S 4752	TT Lyn	9 03 07.78	+44 35 08.2	T	2989-1709	
S 4753	WW Cnc*	9 09 48.60	+30 25 36.8	T	2492-0824	
S 4754	RS LMi	9 28 33.79	+36 09 38.6	T	2500-1483	
S 4755	RZ Lyn	9 36 06.75	+41 18 31.2	T	2995-0972	
S 4756	Z LMi	9 40 15.16	+36 06 18.8	T	2507-1090	09372+3619
S 4757	YY UMa	9 44 07.87	+53 46 00.4	T	3807-0489	
S 4758	AA UMa*	9 46 59.29	+45 45 56.4	T	3433-0685	
S 4759	RT LMi	9 49 48.32	+34 27 15.4	T	2505-0412	
S 4760	YZ UMa	9 55 19.89	+44 00 29.4	T	2999-0701	09522+4414
S 4761	RV LMi*	10 23 28.98	+29 50 56.5	T	1975-0026	10206+3006
S 4762	WY UMa	10 41 53.21	+51 37 59.7	T	3448-0075	
S 4763	AB UMa	12 11 14.59	+47 49 43.8	T	3455-0362	
S 4764	TW CVn	12 59 21.18	+43 53 15.5	T	3023-1946	
S 4765	NSV 6111	13 08 55.06	+31 42 40.7	G	2532-0151	
S 4766	TV CVn	13 15 11.81	+42 15 59.5	T	3024-0852	
S 4767	NSV 6788	14 45 03.30	+36 35 51.2	G	2560-0409	
S 4768	YZ Boo	15 24 07.00	+36 52 00.5	T	2570-0167	
S 4769	YY Boo*	15 35 28.31	+43 28 49.1	T	3059-0813	
S 4770	SX CrB	16 15 23.79	+33 19 48.2	T	2583-0974	
S 4771	V449 Her*	16 42 39.15	+48 24 23.8	T	3502-0168	
S 4772	V352 Her	17 42 45.03	+30 32 54.8	T	2607-1154	17408+3034
S 4773	V337 Her	17 48 47.21	+45 41 59.4	T	3511-1324	
S 4774	V338 Her	17 53 12.74	+43 46 23.2	T	3101-1627	
S 4775	OP Her	17 56 48.53	+45 21 03.1	T	3511-2142	
S 4776	V353 Her*	18 10 05.33	+28 54 22.7	T	2104-0072	
S 4777	PW Her	18 10 24.11	+33 24 11.2	T	2626-1610	
S 4778	V342 Her	18 24 13.00	+25 04 50.7	T	2097-0407	
S 4779	OO Lyr*	18 30 09.01	+30 38 17.3	T	2624-2068	18282+3036
S 4780	V753 Cyg	19 22 47.09	+48 12 10.8	T	3547-1131	
S 4781	V687 Cyg	19 26 11.63	+29 59 12.4	T	2137-0689	
S 4782	V796 Cyg	19 33 56.11	+47 18 34.2	T	3560-0777	
S 4783	V466 Cyg	19 54 33.45	+33 00 05.4	T	2673-2051	

Table 1: Variables on *MVS* 308–316 (cont'd.)

Sonne.	GCVS	RA (2000)	Dec	s	GSC	IRAS
S 4784	V620 Cyg	$21^h33^m08^s.15$	$+35°46'18''.3$	T	2716-2777	
S 4785	ER Peg*	23 05 46.80	+33 29 07.0	T	2754-0276	
S 4786	CK And	23 13 00.97	+42 30 40.9	T	3225-1597	
S 4787	BU And*	23 23 39.90	+39 43 36.9	T	3234-0546	
S 4788	NSV 14545	23 24 28.33	+34 29 03.7	G	2773-0936	
S 4789	CM And	23 43 06.59	+35 28 45.3	T	2775-0525	23406+3512
S 4790	GM And	0 00 03.62	+35 21 46.0	G	2267-0718	

Notes:

BU And [PCC93] 495.
BV And Downes *et al.* (1997) identification adopted.
CI And faint companion on southwest.
DR And misidentified and incorrect position in SIMBAD: *not* GSC 2286-0921.
GR Aur GCVS 4.1 position 3.′2 in error.
HR Aur CSV 765 = 1RXS J063112.5+305614.
IX Aur CSV 601.
KS Aur BD+36°1425.
KT Aur IRC +50166.
YY Boo BPS BS 17446-0070.
WW Cnc fainter companion on north.
KX Cas middle star in a line of three with two bright stars.
KY Cas northeastern star of a pair.
KZ Cas Downes *et al.* (1997) identification adopted; the southwestern star of a close pair, apparently confirmed by Liu *et al.* (1999).
LM Cas hitherto slightly misidentified: the variable is the faint companion immediately northeast of the star indicated on the Downes & Shara (1993) chart. Hoffmeister's (1949) description: "nahe am Ort ein Stern 16^m, der Veränderliche anscheinend dicht nordöstlich davon".
MW Cas western component of a close double; GSC position skewed.
NN Cas southwestern component of a close double; a third much fainter star 4″ southwest.
PY Cas misidentified and incorrect position in SIMBAD: *not* GSC 4281-1706.
QT Cas western component of a close double.
QV Cas GCVS 4.1 position 3.′3 in error.
V337 Cas misidentified and incorrect position in SIMBAD: *not* GSC 3664-0207. GCVS 4.1 position 3.′5 in error.
V339 Cas not found.
V348 Cas western star of a pair; GSC and USNO-A2.0 positions skewed.
V359 Cas misidentified and incorrect position in SIMBAD: *not* GSC 4008-0969.
V530 Cas AN 406.1934.
CP Cep SVS 683.
DF Cep crowded.
GN Cep AN 39.1939 = CSV 5501.
V506 Cyg AN 729.1933; northern star of a 10″ pair.
V521 Cyg EM* UHA 90; in a dark region of the North America Nebula.
V583 Cyg brighter companion 14″ southeast (GSC 3593-3193).
V611 Cyg AN 53.1939.
V630 Cyg Downes *et al.* (1997) identification adopted.
V632 Cyg Downes *et al.* (1997) identification adopted, which is a blue star in USNO-A2.0.
V645 Cyg GSC position is for star + nebulosity. [BE83] Maser 094.60-02.00 = [BE83] IR 094.60-02.00. = GAL 094.60-01.80 = [PCC93] 443.

Notes (cont'd.):

V660 Cyg	GCVS 4.1 position 4.′7 in error.
V670 Cyg	southwestern component of a close pair.
V731 Cyg	southeastern and fainter star of a 10″ pair.
V1225 Cyg	crowded field; mark on *MVS* chart is for NSV 13539, *cf.* V1225 Cyg is the star immediately (13″) southwest, which is bright on POSS-II.
V1414 Cyg	northern star of two.
V1664 Cyg	GCVS 4.1 position 3.′8 in error.
V353 Her	incorrect position in SIMBAD: *not* GSC 2104-1714 (other IDs correct).
V449 Her	HD 151056.
DL Lac	western star of two.
DO Lac	IRC +50419.
DP Lac	GCVS 4.1 position 3.′2 in error.
DW Lac	AN 72.1926.
EE Lac	fainter/northwestern component of 15″ pair with GSC 3633-2622.
EG Lac	Downes & Shara (1993) chart has wrong star marked, but the coordinates given there and in Downes *et al.* (1997) are correct (if imprecise); lies 16″ north of GSC 3988-1561; GCVS 4.1 position 4.′0 in error; bright on both POSS-II IV-N plates, but faint on both POSS-I/II blue and red plates, suggesting this is possibly a symbiotic star instead of dwarf nova.
FO Lac	IRC +50449.
GH Lac	GCVS 4.1 position 3.′2 in error.
QV Lac	faint companion on southwest.
RV LMi	BD+30°2004.
TV Lyn	AG+47°695.
OO Lyr	brighter star of a pair; GCVS 4.1 position 7.′1 in error.
ER Peg	GCVS 4.1 position 3.′2 in error.
KL Per	CSV 238.
AA UMa	RX J0947.0+4546.
NSV 13146	eastern star of a pair; USNO-A2.0 position probably somewhat skewed.
NSV 13539	*MVS* chart marks only this star, not S 4533 = V1225 Cyg, *cf.*
NSV 14189	GCVS 4.1 position 3.′6 in error.
NSV 14247	candidate not variable on POSS-I/II plates. *MVS* chart distorted.
NSV 14333	IRC +60372.
NSV 14365	GCVS 4.1 position 3.′1 in error.
NSV 14547	ID somewhat uncertain; blue candidate chosen.

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