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**COORDINATES AND IDENTIFICATIONS
FOR SONNEBERG VARIABLES – II**

BRIAN A. SKIFF

Lowell Observatory, 1400 West Mars Hill Road, Flagstaff AZ 86001-4499, USA, e-mail: bas@lowell.edu

The lists below give accurate coordinates for some 290 designated and suspected variables in several fields described by Hoffmeister (1963). The working methods were similar to previous lists (*e.g.* Skiff 1999), which involves comparing the source charts against computer-screen plots of the GSC or USNO–A2.0 star catalogues, with Digitized Sky Survey images, and making bibliographic comparisons using the Strasbourg ‘VizieR’ utility and SIMBAD.

The tables are arranged as previously, divided by region as in Hoffmeister’s lists. The Sonneberg serial number and the GCVS designations appear in the first two columns. An asterisk by the GCVS name indicates a note, which appear at the end of the tables. The positions are taken mostly from USNO–A2.0 (Monet *et al.* 1998); for some bright stars the ACT (Urban *et al.* 1998) is adopted, and for a few crowded stars positions have been estimated ($\pm 2''$) using large-scale Digitized Sky Survey frames from the Goddard SkyView facility (McGlynn *et al.* 1996). The source of the position is coded in column ‘s’ as follows: A = USNO–A2.0, S = SkyView, T = ACT. Many of the NSV stars in the ‘ ι CMa’ field have been dealt with previously by Lopez (1993), who gives accurate coordinates for southern NSV stars.

I made the match-up with the GSC using ‘VizieR’, and found the various IDs in the Remarks and Notes using SIMBAD. The IDs are listed only if they are new, in the sense of being either not present or not linked in the same entry in SIMBAD.

A few stars defeated my attempts to identify them. Given that some of the stars I did find have positions as much as $10'$ in error, it is likely that these ‘lost’ ones have similar errors of some kind.

Table 1: h & χ Persei field

Sonne.	GCVS	RA (2000)	Dec	s	GSC	Remarks
S 7715	KX Per	2 10 23.4	+58 13 09	A	3697-0151	
S 7716	NSV 734	2 10 41.9	+56 00 03	A		
S 7717	KY Per	2 14 30.2	+56 24 02	A		
S 7718	KZ Per	2 15 07.6	+58 03 37	A		
S 7719	LL Per	2 14 51.5	+57 29 34	A		
S 7720	NSV 810	2 23 09.9	+56 08 21	A		
S 7721	NSV 811	2 23 14.8	+56 09 36	A		
S 7722	LM Per	2 23 56.7	+56 17 19	A		
S 7723	LN Per	2 25 57.5	+55 47 44	A		
S 7724	NSV 830					not found
S 7725	LO Per	2 31 10.4	+56 20 48	A		
S 7726	LP Per	2 31 19.9	+56 51 10	A		
S 7727	LQ Per	2 31 27.7	+56 31 40	S		
S 7728	LR Per	2 32 46.4	+56 29 27	A		

Table 2: North Galactic Pole fields

Sonne.	GCVS	RA (2000)	Dec	s	GSC	Remarks
S 7729	BI UMa	10 47 11.6	+46 17 40	A	3443-0854	
S 7730	AG UMa	10 48 56.3	+42 40 15	A	3011-1742	
S 7731	AH UMa	10 49 39.2	+46 42 21	A		
S 7732	BK UMa	10 50 19.0	+42 34 09	A	3011-1600	
S 7733	AI UMa	10 52 16.3	+46 39 09	A		
S 7734	AK UMa	10 53 13.2	+41 19 02	A		
S 7735	CC UMa	10 53 40.6	+42 28 13	T	3011-0281	IRAS 10508+4244
S 7736	AL UMa	10 55 51.2	+44 27 41	A		
S 7737	AM UMa	11 03 35.5	+45 59 19	A		
S 7738	AN UMa	11 04 25.8	+45 03 16	A		
S 7739	BL UMa	11 07 25.8	+41 15 58	A		
S 7740	AO UMa	11 07 39.8	+40 33 57	A		FBS B 77 ?
S 7741	AP UMa	11 10 24.3	+42 48 54	A	3012-1664	
S 7742	BM UMa	11 11 20.5	+46 25 49	A	3444-0164	
S 7743	AQ UMa	11 12 59.5	+42 48 42	A		
S 7744	AR UMa	11 15 44.9	+42 58 23	A		CSO 1153
S 7745	BN UMa	11 16 22.8	+41 14 02	A	3010-2127	
S 7746	AS UMa	11 16 42.5	+44 07 04	A	3012-0170	
S 7747	BO UMa	11 16 57.0	+42 05 19	A		
S 7748	BP UMa	11 18 57.5	+47 04 12	A		
S 7749	AT UMa	11 19 48.3	+41 37 52	A		
S 7750	AU UMa	11 21 14.1	+44 14 17	A		
S 7751	BQ UMa	11 21 29.9	+44 18 35	A	3015-0510	
S 7752	BR UMa	11 24 04.6	+42 56 54	A	3015-0195	
S 7753	BS UMa	11 25 41.7	+42 34 52	A	3015-1285	
S 7754	BV Leo	11 27 51.6	+24 44 06	A	1982-1006	
S 7755	AV UMa	11 29 40.5	+42 44 25	A		
S 7756	AT Leo	11 30 07.4	+21 02 10	A		
S 7757	BT UMa	11 30 53.7	+44 14 32	A	3015-0686	
S 7758	BU UMa	11 31 01.4	+44 21 31	A	3015-0794	
S 7759	AY Leo	11 35 06.9	+20 57 45	A		
S 7760	NSV 5274	11 37 58.2	+17 56 09	A	1438-0082	ID uncertain

Table 2: North Galactic Pole fields (cont'd.)

Sonne.	GCVS	RA (2000)	Dec	s	GSC	Remarks
S 7761	CD Leo*	11 43 01.3	+19 03 05	A		
S 7762	BI Leo	11 43 13.4	+21 08 10	A		
S 7763	CE Leo	11 44 24.2	+23 21 23	A	1985-1209	
S 7764	NSV 5324	11 46 39.0	+19 46 30	A		
S 7765	CG Leo	11 49 10.4	+21 36 54	A		
S 7766	CH Leo	11 49 14.9	+24 10 00	A	1985-2497	
S 7767	BO Leo	11 51 37.1	+21 52 43	A	1443-1405	
S 7768	BP Leo	11 53 10.3	+23 16 54	A	1985-1491	
S 7769	BS Leo	11 55 49.5	+19 20 38	A	1443-0488	
S 7770	VX Com	11 58 40.2	+22 23 09	A		
S 7771	BV Com	12 02 24.3	+17 34 59	A	1442-1498	
S 7772	BW Com	12 04 16.7	+18 53 13	A	1444-1988	
S 7773	WZ Com	12 07 34.0	+20 06 10	A	1444-0983	
S 7774	NSV 5545	12 18 48.5	+21 22 24	A	1447-1432	
S 7775	CM Com	12 19 25.3	+21 20 59	A	1447-1001	
S 7776	AC Com	12 20 53.3	+22 10 30	A	1447-0793	BPS BS 16933-0049
S 7777	AD Com	12 21 45.8	+17 34 57	A		
S 7778	CQ Com	12 22 21.5	+16 17 34	A	1445-1536	
S 7779	CR Com	12 23 26.3	+16 05 01	A	1445-1651	
S 7780	AF Com	12 23 45.2	+21 40 39	A	1447-1786	
S 7781	AG Com*	12 24 36.7	+24 59 11	A	1989-0553	
S 7782	CU Com	12 24 46.6	+22 24 29	A	1447-1098	
S 7783	NSV 5626	12 27 23.4	+17 40 38	A		
S 7784	CY Com	12 28 20.0	+24 57 19	A	1989-0299	
S 7785	CZ Com	12 28 52.0	+25 06 42	A	1989-0542	BPS BS 16031-0016
S 7786	AK Com	12 29 53.5	+23 15 15	A	1989-2475	
S 7787	NSV 5669	12 30 47.0	+18 05 55	A	1445-0448	
S 7788	DI Com	12 33 18.9	+23 44 42	A		
S 7789	AM Com	12 33 28.3	+22 28 40	A	1448-0959	Ton 1545
S 7790	DK Com	12 33 54.7	+22 10 33	A	1448-2933	
S 7791	DM Com	12 35 38.3	+16 32 21	A		
S 7792	AO Com	12 36 10.0	+22 23 43	A	1448-2222	
S 7793	DO Com	12 38 43.1	+18 32 42	A	1446-0375	
S 7794	DP Com	12 39 09.8	+20 45 18	A	1448-2052	
S 7795	AP Com	12 39 18.8	+22 03 16	A	1448-2449	
S 7796	DR Com	12 40 38.4	+22 22 01	A	1448-1294	
S 7797	EH Com	12 48 37.7	+18 10 26	A	1452-0572	
S 7798	AX Com*	12 50 37.2	+18 18 37	S	1452-0587	
S 7799	BC Com	12 54 40.6	+19 48 03	A		
S 7800	BB Com	12 54 27.3	+21 54 51	A	1455-0656	
S 7801	EQ Com	12 59 02.9	+18 02 45	A	1453-0601	
S 7802	EU Com*	13 03 59.8	+19 42 19	A	1453-0022	
S 7803	FF Com	13 18 47.0	+22 31 10	A		
S 7804	BL Com	13 28 11.8	+17 51 05	A	1461-0645	
S 7805	BO Com*	13 31 05.6	+16 36 22	A	1459-0813	
S 7806	FL Com	13 35 05.1	+19 50 19	A		
S 7807	BQ Boo	13 39 20.3	+18 12 06	A		
S 7808	BT Boo	13 43 28.6	+23 56 09	A		
S 7809	AP Boo	13 44 57.3	+19 41 03	A		
S 7810	AY Boo	13 53 12.9	+17 12 46	A	1467-1073	BPS BS 16550-0003

Table 3: 33 Cygni field

Sonne.	GCVS	RA	(2000)	Dec	s	GSC	Remarks
S 7820	NSV 12233	19 37 04.3	+56 55 20	T	3942-1958	IRAS 19360+5648	
S 7821	V939 Cyg	19 38 24.3	+56 32 24	A	3942-1682		
S 7822	NSV 12278	19 39 15.5	+52 47 38	A			
S 7823	V940 Cyg	19 38 49.0	+57 40 22	A	3942-0568		
S 7824	NSV 12281	19 39 12.4	+58 20 32	A	3946-1406		
S 7825	V949 Cyg	19 41 23.0	+51 42 47	A	3569-1499	IRAS 19400+5135	
S 7826	BL Dra	19 40 24.6	+60 55 12	A	4230-0991		
S 7827	V958 Cyg	19 42 12.8	+52 05 27	A	3569-0880	IRAS 19409+5158	
S 7828	V966 Cyg	19 42 42.9	+55 54 41	A			
S 7829	V972 Cyg	19 43 23.9	+55 22 51	A			
S 7830	V978 Cyg	19 44 28.0	+55 41 12	A			
S 7831	BM Dra					not found	
S 7832	NSV 12378	19 44 08.0	+58 21 13	T	3946-1977		
S 7833	V981 Cyg	19 45 03.6	+56 24 52	A	3942-1662		
S 7834	V982 Cyg	19 45 44.5	+55 23 48	A	3938-0991	IRAS 19446+5516	
S 7835	NSV 12400	19 45 40.8	+58 48 56	A			
S 7836	V985 Cyg	19 46 19.4	+56 34 29	A			
S 7837	V988 Cyg	19 46 53.4	+53 38 15	A	3935-1891		
S 7838	V993 Cyg	19 47 38.5	+52 57 54	A	3935-1558	IRAS 19463+5250	
S 7839	V997 Cyg	19 48 05.1	+52 51 16	A	3935-2233		
S 7840	BN Dra	19 47 08.1	+61 22 13	A	4231-1158		
S 7841	V1002 Cyg	19 48 41.0	+56 14 55	A	3939-1173		
S 7842	V1005 Cyg	19 49 25.5	+51 39 54	A			
S 7843	V1003 Cyg	19 49 11.2	+52 47 18	A			
S 7844	V1006 Cyg	19 48 47.1	+57 09 22	A			
S 7845	V1168 Cyg	19 55 32.2	+52 47 13	A	3935-2395	IRAS 19542+5239	
S 7846	V1167 Cyg	19 55 07.4	+56 40 52	A	3943-2215	IRAS 19540+5632	
S 7847	V1015 Cyg	19 56 02.8	+55 30 33	A	3939-0652		
S 7848	V1017 Cyg	19 56 15.8	+53 19 12	A			
S 7849	BP Dra	19 57 43.3	+60 00 54	A	4231-1877		
S 7850	BQ Dra	19 58 28.0	+60 01 57	A	4231-1309	IRAS 19575+5953	
S 7851	V1026 Cyg	19 59 28.3	+57 27 25	A			
S 7852	BR Dra	19 59 06.7	+60 18 36	A			
S 7853	NSV 12720	20 00 54.2	+54 27 27	A	3940-0412		
S 7854	V1028 Cyg	20 00 56.5	+56 56 37	A			
S 7855	V1029 Cyg	20 01 36.9	+53 35 02	A			
S 7856	V1030 Cyg	20 02 21.0	+55 22 23	A	3940-0825	IRAS 20011+5513	
S 7857	V1031 Cyg	20 02 28.2	+56 53 10	A			
S 7858	V1032 Cyg	20 02 40.1	+57 16 27	A			
S 7859	NSV 12777	20 04 31.6	+53 03 45	A			
S 7860	GX Cep	20 04 32.1	+59 53 31	A			
S 7861	V1035 Cyg	20 05 41.4	+58 02 49	A			
S 7862	V1176 Cyg	20 07 01.2	+52 31 15	A	3936-0071		
S 7863	V1175 Cyg	20 06 15.9	+57 59 36	A			
S 7864	GY Cep	20 05 51.5	+60 39 17	T	4232-2973	IRAS 20049+6030	
S 7865	NSV 12816	20 06 23.4	+59 26 11	A	3948-2138		
S 7866	V1038 Cyg*	20 07 53.8	+51 58 32	A			
S 7867	NSV 12822	20 06 36.1	+60 23 38	A			
S 7868	V1178 Cyg	20 08 53.0	+53 38 28	A			
S 7869	V1040 Cyg	20 08 41.5	+54 14 30	A			
S 7870	V1179 Cyg	20 08 54.4	+57 47 46	A			

Table 3: 33 Cygni field (cont'd.)

Sonne.	GCVS	RA (2000)	Dec	s	GSC	Remarks
S 7871	NSV 12852*	20 08 46.3	+58 23 02	S	3948-1581	
S 7872	V1041 Cyg	20 08 48.4	+58 50 55	A		
S 7873	V1180 Cyg	20 10 15.3	+52 03 44	A	3571-1478	IRAS 20088+5154
S 7874	V1181 Cyg	20 10 25.8	+54 38 44	A		
S 7875	V1182 Cyg	20 11 00.6	+54 52 26	A	3940-0930	
S 7876	NSV 12899	20 11 36.3	+59 00 45	A		
S 7877	NSV 12915	20 12 41.7	+53 24 30	A		
S 7878	V1184 Cyg	20 12 33.1	+54 16 16	A		
S 7879	NSV 12922	20 12 52.5	+55 25 17	A	3940-1354	
S 7880	V1186 Cyg	20 13 43.4	+56 22 05	A	3945-1352	IRAS 20125+5612
S 7881	V1044 Cyg	20 14 49.6	+52 41 46	A		
S 7882	V1045 Cyg	20 15 00.4	+52 37 21	A		
S 7883	NSV 12959	20 14 47.2	+54 17 28	A	3937-0175	
S 7884	NSV 12957	20 14 21.8	+59 18 00	A		
S 7885	V1189 Cyg	20 16 06.9	+51 56 26	A	3584-1600	
S 7886	V1188 Cyg	20 16 07.1	+52 08 25	A		
S 7887	NSV 12964	20 14 32.0	+61 04 26	A	4232-0317	IRAS 20136+6055
S 7888	V1190 Cyg	20 16 20.5	+54 09 16	A	3937-0363	IRAS 20150+5400
S 7889	V1047 Cyg	20 17 38.0	+52 58 47	A		
S 7890	NSV 12992	20 17 50.7	+54 31 54	A		
S 7891	NSV 13016	20 18 58.9	+56 36 19	T	3945-1423	
S 7892	NSV 13015	20 18 59.0	+59 55 46	A	3949-0257	
S 7893	HH Cep	20 18 43.7	+60 36 14	A		IRAS 20177+6026
S 7894	V1192 Cyg	20 20 19.7	+56 13 16	A		
S 7895	V1193 Cyg*	20 21 11.4	+59 36 03	A	3949-0797	
S 7896	V1048 Cyg*	20 22 57.1	+52 32 48	A	3937-2100	
S 7897	V1195 Cyg*	20 24 01.9	+55 12 57	A		
S 7898	V1196 Cyg	20 24 41.3	+54 30 00	A	3941-0807	
S 7899	V1516 Cyg	20 25 31.7	+52 20 34	A		IRAS 20241+5210
S 7900	NSV 13081	20 24 32.6	+57 35 31	A		
S 7901	V1049 Cyg	20 25 53.4	+53 46 43	A	3937-0772	
S 7902	OW Cep	20 26 03.9	+61 35 22	A	4233-0463	IRAS 20251+6125
S 7903	NSV 13107	20 28 34.6	+52 38 01	A	3950-0817	
S 7904	V1050 Cyg*	20 29 16.7	+54 30 15	A		
S 7905	NSV 13108	20 28 08.0	+61 24 51	A	4233-1215	IRAS 20272+6114
S 7906	V1518 Cyg	20 29 49.9	+53 02 31	A	3950-0345	
S 7907	V1197 Cyg	20 30 57.2	+56 46 32	A		
S 7908	V1520 Cyg	20 31 13.9	+55 28 05	A	3954-0055	
S 7909	V1051 Cyg	20 31 00.6	+56 46 32	A		
S 7910	V1198 Cyg	20 32 22.3	+52 19 42	A		
S 7911	NSV 13141	20 32 04.0	+60 06 33	A		
S 7912	V776 Cyg	20 33 41.9	+55 19 44	A		
S 7913	V1199 Cyg	20 34 08.0	+53 02 03	A	3950-1617	
S 7914	NSV 13159	20 33 29.7	+58 32 54	A	3962-0034	
S 7915	V1200 Cyg	20 33 52.1	+57 40 21	A		
S 7916	V1052 Cyg	20 36 06.4	+54 31 42	A		
S 7917	NSV 13183	20 36 20.4	+59 08 48	A		
S 7918	V1053 Cyg	20 38 53.0	+52 57 37	A		
S 7919	V1202 Cyg	20 39 01.0	+53 31 34	T	3950-1400	
S 7920	HK Cep	20 39 32.7	+56 49 04	A	3958-1416	
S 7921	V1054 Cyg*	20 40 37.1	+54 15 21	A		
S 7922	V1055 Cyg	20 44 16.0	+53 23 50	A		
S 7923	FL Cep	20 46 50.2	+56 54 28	A		
S 7924	FK Cep	20 46 07.8	+60 38 36	A		
S 7925	OX Cep	20 46 55.8	+58 43 12	A	3963-0966	

Table 4: ν Geminorum field

Sonne.	GCVS	RA (2000)	Dec	s	GSC	Remarks
S 7926	V1025 Ori					not found
S 7927	V667 Ori	6 09 08.8	+16 35 09	A	1314-0491	
S 7928	IW Gem	6 11 53.4	+24 14 02	A	1877-1204	IRAS 06088+2414
S 7929	HR Gem	6 12 13.3	+24 42 42	A	1881-1297	
S 7930	V644 Ori	6 14 06.4	+18 12 20	A		
S 7931	V645 Ori	6 15 30.0	+15 34 26	A	1314-1306	
S 7932	NSV 2884	6 15 42.4	+18 23 59	A	1318-0673	
S 7933	V646 Ori	6 17 59.7	+20 24 37	A	1323-0361	
S 7934	V673 Ori	6 20 06.4	+19 42 34	A	1323-1993	
S 7935	NV Gem	6 25 39.5	+18 05 04	A		
S 7936	HU Gem	6 27 24.6	+23 49 31	A		
S 7937	HV Gem	6 28 51.7	+24 02 09	A	187901503	IRAS 06258+2404
S 7938	IY Gem					not found
S 7939	HW Gem	6 29 21.1	+22 11 02	A		
S 7940	NSV 2982	6 29 39.7	+17 18 08	A	1332-0024	IRAS 06267+1720
S 7941	NW Gem*	6 30 06.6	+23 28 43	T	1879-0828	BD+23° 1377
S 7942	NX Gem*	6 30 54.6	+23 27 29	T	1879-1745	IRAS 06278+2329
S 7943	HY Gem					not found
S 7944	KM Gem	6 34 31.2	+19 58 29	A		
S 7945	HZ Gem	6 35 26.9	+25 13 08	A		
S 7946	II Gem*	6 35 28.5	+23 12 23	S		
S 7947	IL Gem	6 39 40.9	+20 32 33	A		
S 7948	IM Gem	6 40 23.5	+21 43 35	A	1342-1408	
S 7949	NR Gem	6 40 40.4	+15 33 05	A		
S 7950	IN Gem	6 40 50.9	+17 30 57	A		
S 7951	IO Gem	6 42 18.9	+20 23 04	A		
S 7952	KP Gem	6 42 11.5	+16 17 26	A		
S 7953	KQ Gem	6 43 47.3	+15 54 22	A	1330-0649	
S 7954	KR Gem	6 44 05.8	+19 17 44	A		
S 7955	IP Gem	6 44 54.0	+22 16 35	A		
S 7956	NSV 3191	6 45 05.0	+21 29 07	A	1342-0640	
S 7957	MP Gem*	6 48 33.4	+19 37 15	A		
S 7958	NS Gem	6 48 36.9	+20 01 00	A		
S 7959	NT Gem	6 50 06.2	+16 42 10	A	1331-0989	IRAS 06472+1645

Table 5: α Persei field

Sonne.	GCVS	RA (2000)	Dec	s	GSC	Remarks
S 7960	LU Per	3 00 55.2	+50 48 39	A		
S 7961	LV Per	3 03 52.0	+45 11 43	S		IRAS 03005+4459
S 7962	LW Per	3 07 25.6	+50 57 48	A	3322-0670	IRAS 03038+5046
S 7963	LZ Per	3 33 41.6	+48 59 42	A	3320-1607	IRAS 03301+4849

Table 6: ι Canis Majoris field

Sonne.	GCVS	RA (2000)	Dec	s	GSC	Remarks
S 7964	EI CMa	6 35 29.4	-17 55 20	A	5952-0136	
S 7965	EK CMa	6 36 49.7	-15 06 28	A	5948-2638	IRAS 06345-1503 ?
S 7966	EL CMa	6 37 39.0	-20 01 13	A	5956-0249	
S 7967	NSV 3087	6 40 04.2	-20 37 56	A		
S 7968	NSV 3100	6 40 17.4	-17 50 15	A	5953-2223	
S 7969	NSV 3109	6 40 11.3	-20 36 55	A	5957-0357	
S 7970	EM CMa	6 40 49.5	-13 46 55	A		
S 7971	EN CMa	6 40 54.0	-19 23 46	A		
S 7972	NSV 3169	6 41 08.1	-20 09 05	A	5957-0499	CGCS 1356
S 7973	NSV 3182	6 42 58.3	-17 20 17	A	5953-1422	IRAS 06407-1717
S 7974	EO CMa*	6 44 23.0	-20 49 37	A		
S 7975	EP CMa	6 46 43.0	-15 42 03	A		IRAS 06444-1538
S 7976	NSV 3207	6 46 24.0	-21 33 29	A		
S 7977	EQ CMa	6 48 51.6	-16 18 03	A	5950-1323	
S 7978	EX CMa	6 51 43.2	-13 29 50	A	5391-1000	
S 7979	ER CMa	6 52 01.1	-12 45 44	A	5387-1038	
S 7980	NSV 3251	6 52 05.7	-13 29 57	A	5391-1022	
S 7981	NSV 3256	6 52 32.0	-19 07 14	A	5958-1164	
S 7982	NSV 3267*	6 54 04.8	-19 29 54	A	5958-2547	IRAS 06518-1925
S 7983	NSV 3274*	6 54 38.7	-13 27 07	A		
S 7984	ES CMa	6 56 28.8	-16 11 06	A		
S 7985	NSV 3295	6 56 40.7	-15 28 00	A	5963-1234	
S 7986	ET CMa	6 56 46.0	-15 38 16	A	5963-1685	
S 7987	NSV 3320	6 58 32.5	-17 08 44	T	5967-1093	
S 7988	NSV 3342	7 01 47.6	-16 12 25	A		
S 7989	NSV 3362	7 03 55.1	-17 52 48	A	5967-0817	
S 7990	NSV 3366	7 04 32.3	-19 37 46	A	5972-2429	
S 7991	EU CMa	7 05 41.0	-16 08 45	S		position uncertain
S 7992	NSV 3451*	7 11 45.4	-16 13 02	A	5964-0360	IRAS 07094-1607
S 7993	NSV 3465	7 13 13.5	-13 18 33	A	5406-2125	
S 7994	NSV 3471	7 14 01.7	-14 36 01	T	5406-0728	CSS 323
S 7995	NSV 3475	7 14 20.3	-19 40 22	A	5973-0742	IRAS 07121-1935
S 7996	NSV 3488	7 15 26.3	-14 26 57	A	5406-1967	
S 7997	NSV 3496	7 16 03.2	-20 10 53	A		

Table 7: Northern winter fields

Sonne.	GCVS	RA (2000)	Dec	s	GSC	Remarks
S 7998	NSV 1093	3 17 06.4	+40 10 00	A		
S 7999	NSV 1109	3 21 50.2	+41 46 15	A		
S 8000	NSV 1110	3 21 48.0	+40 28 21	A		
S 8001	NSV 1866	5 12 11.3	+6 06 19	A	0111-1682	merged pair on DSS
S 8002	NSV 1884	5 14 42.2	+3 41 28	A	0103-1548	
S 8003	NSV 1907	5 16 51.3	+3 33 11	A		
S 8004	V532 Ori	5 17 00.8	+3 31 18	A		
S 8005	V675 Ori	5 19 18.2	+5 29 04	S	0108-0168	IRAS 05166+0525
S 8006	IZ Aur	5 53 36.4	+52 25 56	A	3373-0518	
S 8007	NSV 2712	5 55 24.2	+52 38 56	A	3750-0462	
S 8008	NSV 2730	5 56 31.0	+51 55 19	A		
S 8009	NSV 2763*	6 01 48.7	+51 45 04	A		
S 8010	KL Aur	6 04 37.3	+51 54 30	A	3386-0676	
S 8011	KM Aur*	6 05 42.2	+50 20 27	A		
S 8012	KN Aur*	6 05 31.2	+49 32 06	S		
S 8013	NSV 2828	6 07 30.8	+51 06 53	A	3386-0209	

Notes:

KM Aur	northeastern star of a pair.
KN Aur	on northeast side of and very close to BD+49°1446.
EO CMa	verified on POSS-I prints.
AG Com	[SS59] II 141 = BPS BS 16031-0007.
AX Com	northwestern star of pair, <i>cf.</i> Meinunger (1976).
BO Com	ID uncertain, bluer star chosen.
EU Com	IRC +20253 = IRAS 13015+1958.
V1038 Cyg	southwestern star of a pair.
V1048 Cyg	assumed to be brighter/western star of a pair.
V1050 Cyg	assumed to be northeastern star of a pair.
V1054 Cyg	ID somewhat uncertain, assumed to be brighter star at chart location.
V1193 Cyg	IRAS 20201+5926 probably corresponds to the galaxy superposed on west side of star (60μ peak).
V1195 Cyg	IRAS 20227+5503 = IRC +60289.
II Gem	IRAS 06324+2314 probably applies both to this star and to the brighter red star immediately west.
MP Gem	double, position is for southern star.
NW Gem	also IRAS 06270+2330.
NX Gem	also IRC +20149.
CD Leo	superposed on faint galaxy.
NSV 2763	southwestern star of a pair.
NSV 3267	IRAS error ellipse very large, so possibly includes other objects.
NSV 3274	ID uncertain, position is for northern star of a pair.
NSV 3451	almost certainly the variable is mismarked on chart, and the nearby red star (and IRAS source) intended.
NSV 12852	southern star of a pair.

References:

- Hoffmeister, C., 1963, *Astron. Nachr.*, **287**, 169
- Lopez, C. E., 1993, *IBVS*, No. 3873
- McGlynn, T., Scollick, K., and White, N., 1996, <http://skview.gsfc.nasa.gov>; see also *SkyView: The Multi-Wavelength Sky on the Internet*; in McLean, B. J. *et al.*, "New Horizons from Multi-Wavelength Sky Surveys", IAU Symposium No. 179, p. 465, Kluwer
- Meinunger, I., 1976, *Mitt. Veränd. Sterne*, **7**, 121
- Monet, D., Bird, A., Canzian, B., Harris, H., Reid, N., Rhodes, A., Sell, S., Ables, H., Dahn, C., Guetter, H., Henden, A., Leggett, S., Levison, H., Luginbuhl, C., Martini, J., Monet, A., Pier, J., Riepe, B., Stone, R., Vrba, F., Walker, R., 1998, USNO-A2.0; U.S. Naval Observatory, Washington DC; see also <http://www.usno.navy.mil/pmm>
- Skiff, B. A. 1999, *IBVS*, No. 4675
- Urban, S. E., Corbin, T. E., and Wycoff, G. L., 1998, *Astron. J.*, **115**, 2161