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**COORDINATES AND IDENTIFICATIONS FOR
 SONNEBERG VARIABLES ON MVS 272–275**

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The lists below are a continuation of a series providing accurate positions and identifications for variables appearing on the *MVS* charts (Hoffmeister 1957). The variables here were first reported by Hoffmeister (1937, 1942). Accurate positions for some of the stars here have been published by López & Girard (1990), López & Lépez (1993), and Skiff (1999). Details about the identification procedure are contained in the first report of our series (Kinnunen & Skiff 2000). We appreciate helpful correspondence with Nikolai Samus in regard to GN Ori.

Table 1: Variables on *MVS* 272–274

AN	GCVS	RA (2000)	Dec	s	GSC	IRAS
83.1937	DP Mon	6 ^h 25 ^m 43 ^s .87	+06° 39′ 18″.6	G	0145-0321	
84.1937	CC Mon	6 39 56.31	+06 42 28.5	G	0159-1704	
85.1937	CF Mon	6 49 21.99	−00 23 46.6	A		
86.1937	DK Mon*	6 50 37.70	+01 43 40.0	A		
87.1937	CI Mon	6 52 19.86	+01 44 49.1	A		
88.1937	CO Mon*	6 57 03.97	+06 19 00.5	T	0161-1515	06543+0623
89.1937	NSV 3301	6 57 42.14	+06 18 03.5	G	0161-2555	
90.1937	NSV 3300	6 57 33.61	+05 06 42.3	T	0157-2460	
91.1937	UU Mon	6 59 45.07	+02 12 28.5	G	0153-1382	
92.1937	GH Ori	7 04 41.46	−02 28 19.0	G	4818-2919	
93.1937	BX Gem	6 21 33.66	+21 56 06.6	G	1327-1442	06185+2157
94.1937	BY Gem	6 22 37.77	+20 33 35.1	G	1323-1721	06196+2035
95.1937	BZ Gem	6 23 09.46	+21 51 45.6	G	1327-0529	06201+2153
96.1937	GN Ori	6 25 14.11	+17 01 52.0	A		06223+1703
97.1937	CF Gem	6 27 15.33	+18 04 23.8	G	1332-1256	06243+1806
98.1937	CG Gem	6 27 54.79	+20 33 10.6	G	1336-1047	
99.1937	CM Gem	6 31 35.34	+17 54 23.8	A		
100.1937	CN Gem*	6 32 33.73	+17 50 11.5	G	1333-1494	06296+1752

Table 1: Variables on *MVS* 272-274 (cont'd.)

AN	GCVS	RA (2000)	Dec	s	GSC	IRAS
101.1937	CP Gem	6 ^h 33 ^m 41 ^s .67	+19°29'36".5	G	1337-1799	
102.1937	CO Gem*	6 33 55.58	+21 32 04.2	G	1341-1853	
103.1937	CT Gem	6 36 41.72	+18 27 06.0	G	1333-1368	06337+1829
104.1937	CU Gem	6 37 22.79	+21 44 29.8	A		
105.1937	DZ Gem	6 38 20.69	+21 18 51.9	G	1341-0664	
106.1937	CV Gem	6 39 21.95	+21 10 37.8	A		
107.1937	CY Gem*	6 40 43.17	+18 46 19.5	T	1338-2056	06377+1849
108.1937	CZ Gem*	6 41 56.51	+24 08 23.8	G	1893-0200	
109.1937	DF Gem	6 47 03.22	+16 18 36.6	G	1330-0616	06441+1621
110.1937	V573 Cyg	21 08 44.98	+47 24 09.0	G	3592-7133	
111.1937	V574 Cyg	21 08 54.22	+46 58 40.7	G	3592-3844	21072+4646
112.1937	V575 Cyg	21 09 19.24	+46 10 27.2	G	3588-8422	
113.1937	NSV 13576	21 10 12.12	+43 50 24.6	A		
114.1937	V577 Cyg*	21 09 59.99	+46 44 20.1	G	3588-0592	21082+4631
115.1937	V580 Cyg	21 10 49.41	+44 49 59.1	A		21090+4437
116.1937	V1553 Cyg	21 12 06.86	+43 42 29.6	G	3181-0792	
117.1937	NSV 13602	21 12 25.60	+47 57 54.6	A		
118.1937	V585 Cyg	21 13 37.87	+47 01 33.9	A		21118+4649
119.1937	V589 Cyg	21 16 57.31	+48 07 39.8	G	3593-1966	
120.1937	V590 Cyg*	21 17 21.26	+45 42 29.0	T	3589-5632	
121.1937	V592 Cyg*	21 17 42.45	+46 03 48.3	G	3589-1451	21159+4551
122.1937	V596 Cyg*	21 21 37.62	+41 40 53.3	G	3190-0705	
123.1937	V600 Cyg	21 22 56.51	+45 29 40.7	G	3590-0047	21211+4516
124.1937	V601 Cyg	21 23 21.42	+46 14 01.1	A		
125.1937	V607 Cyg	21 26 52.22	+41 39 03.0	A		21249+4125
126.1937	V612 Cyg	21 29 19.59	+45 56 55.8	G	3590-1472	21274+4543
127.1937	V613 Cyg	21 29 31.73	+42 56 56.8	G	3190-2081	21275+4243
128.1937	V614 Cyg	21 30 40.31	+40 56 22.9	A		
129.1937	V618 Cyg*	21 31 19.09	+48 59 23.2	A		
130.1937	V625 Cyg*	21 33 28.94	+46 44 51.6	A		21316+4631
131.1937	V635 Cyg*	21 37 51.41	+48 24 13.1	G	3595-0470	
132.1937	V637 Cyg*	21 37 57.94	+48 08 06.1	G	3595-0645	21361+4754
133.1937	V639 Cyg	21 38 57.75	+42 35 37.2	G	3191-0605	21369+4221
134.1937	V640 Cyg	21 39 16.81	+41 13 32.1	G	3187-0696	21372+4059
135.1937	V641 Cyg	21 39 10.02	+46 43 31.8	A		
136.1937	V644 Cyg*	21 40 12.8	+45 27 18	S	3591-2307	
137.1937	V659 Cyg	21 47 44.16	+45 53 53.4	G	3604-1725	21458+4539
138.1937	V662 Cyg	21 48 10.29	+45 39 35.8	A		21462+4525
139.1937	V665 Cyg	21 49 16.01	+43 03 36.5	A		
140.1937	V666 Cyg	21 49 25.90	+43 22 25.5	A		21474+4308
141.1937	V667 Cyg	21 49 24.78	+49 33 13.9	A		
142.1937	V677 Cyg	21 53 17.65	+44 03 23.0	G	3197-0163	
143.1937	V684 Cyg	21 59 45.97	+47 16 04.3	A		

Notes:

- V577 Cyg contributes to the IRAS source, but H α -emission stars CGHA 56 and CGHA 57 are also in the immediate field west and northeast.
- V590 Cyg *MVS* chart has south up, east right.
- V592 Cyg EM* CGHA 81. *MVS* chart has south up, east right.
- V596 Cyg *MVS* chart has south up, east right.
- V618 Cyg CI* NGC 7092 PLAT 3456.
- V625 Cyg ID uncertain: *MVS* chart is distorted or for another field.
- V635 Cyg CI* NGC 7092 PLAT 7855.
- V637 Cyg also AN 45.1919.
- V644 Cyg northwestern component of a close pair; GSC position is for photocenter.
- CN Gem GCVS 4.1 position 3'8 in error.
- CO Gem CSS 225.
- CY Gem Tycho-2 position epoch 1991.8.
- CZ Gem GCVS 4.1 position 3'9 in error.
- CO Mon Tycho-2 position epoch 1991.8.
- DK Mon *MVS* chart ambiguous, but is the western star of a close pair; variable on POSS-I/II.
- GN Ori not the carbon star CGCS 1261 = IRAS 06224+1701.

Table 2: Variables on *MVS* 274–275

Sonne.	GCVS	RA (2000)	Dec	s	GSC	IRAS
S 3263	RT Hor	3 ^h 28 ^m 43 ^s .79	−55°58′44″.5	G	8496-1459	
S 3264	X Men*	3 32 29.70	−76 26 55.4	G	9363-0155	
S 3267	RT Col	5 16 50.60	−27 28 24.5	G	6482-0603	
S 3269	RW Col*	6 03 38.58	−31 35 24.9	T	7071-0298	
S 3272	RX Col	6 13 14.73	−37 15 00.7	G	7084-0453	
S 3273	CH Pup*	6 45 14.10	−36 32 13.3	T		
S 3274	IU Car	6 53 07.47	−59 35 44.4	T	8548-1214	
S 3275	CI Pup	7 10 20.97	−33 24 38.9	T	7094-3168	
S 3281	IV Car	10 02 36.66	−58 57 22.5	T	8611-2013	
S 3283	CH Vel	10 48 20.05	−41 30 38.0	A		10460-4114
S 3284	CI Vel*	11 01 01.28	−54 24 41.6	T	8619-1606	
S 3285	V491 Cen	11 34 59.04	−57 30 14.5	T	8638-2751	11326-5713
S 3289	V494 Cen	12 50 32.43	−38 16 30.8	G	7772-0250	
S 3296	VX Aps*	15 59 56.61	−75 13 20.8	G	9429-0076	
S 3298	EF TrA	16 40 34.07	−68 15 05.7	T	9274-4088	
S 3302	BH Pav	18 34 40.57	−65 27 03.0	T	9077-2070	
S 3303	BK Tel*	18 47 40.53	−46 08 17.3	T	8373-0540	18440-4611
S 3306	BO Tel	19 15 51.98	−54 51 18.9	G	8764-1665	
S 3308	BM Pav*	19 28 17.41	−62 48 49.3	T	9088-0946	19237-6254
S 3310	BN Pav	19 38 03.38	−60 36 39.6	T	9084-1868	
S 3313	BP Pav	19 58 00.14	−65 44 10.0	T	9097-1105	
S 3314	BQ Pav	20 00 11.07	−69 52 54.6	T	9311-0866	F19550-7001
S 3317	BT Pav	20 51 00.50	−63 41 31.6	T	9104-0623	
S 3323	RX PsA*	22 13 09.92	−27 16 09.4	T	6958-0561	22103-2731

Notes:

VX Aps	assumed to be the northwestern star of a pair.
RW Col	HIP 28699.
X Men	<i>MVS</i> chart rotated: north to upper left.
BM Pav	HD 182351.
RX PsA	Tycho-2 position epoch 1991.5.
CH Pup	Tycho-2 position epoch 1991.6.
BK Tel	Tycho-2 position epoch 1991.7.
CI Vel	Tycho-2 position epoch 1991.7.

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