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**COORDINATES AND IDENTIFICATIONS FOR
 SONNEBERG VARIABLES ON MVS 267–272**

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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 reported by Hoffmeister (Hoffmeister 1936). Details about the identification procedure are contained in the first report of the series (Kinnunen & Skiff 2000). We appreciate correspondence with Nikolai Samus in regard to the confused identities of FQ Cas and V378 Cas.

Table 1: Variables on *MVS* 267–272

AN	GCVS	RA (2000)	Dec	s	GSC	IRAS
408.1936	BE Sge	20 ^h 01 ^m 08 ^s .25	+21° 19' 44''9	G	1629-1846	
409.1936	HQ Vul	20 02 13.96	+22 38 26.6	A		
410.1936	BF Sge	20 02 23.08	+21 05 24.9	T	1629-0945	
411.1936	BG Sge	20 02 45.11	+20 47 09.5	G	1629-0869	
412.1936	DI Vul	20 02 57.20	+21 42 00.0	G	1629-2068	20007+2133
413.1936	BH Sge	20 03 18.62	+18 08 19.5	G	1621-1032	20010+1759
414.1936	BI Sge	20 03 22.78	+18 38 59.7	A		
415.1936	BK Sge	20 04 08.61	+16 21 39.2	A		20018+1613
416.1936	V778 Aql	20 05 24.92	+14 51 07.6	A		20031+1442
417.1936	ER Sge	20 05 38.50	+16 41 35.6	A		
418.1936	BP Sge	20 05 57.92	+16 42 32.3	A		
419.1936	BO Sge	20 05 50.17	+19 14 38.9	G	1625-0948	20035+1905
420.1936	V781 Aql	20 06 46.11	+15 01 56.7	G	1617-2870	
387.1934	V1094 Aql	20 06 42.29	+14 59 40.9	A		
421.1936	V783 Aql*	20 06 52.61	+15 16 05.2	A		
422.1936	BT Sge	20 06 35.65	+21 35 06.5	A		20044+2126
423.1936	BV Sge	20 07 03.51	+19 03 05.4	G	1625-1292	
424.1936	BW Sge	20 08 42.66	+17 43 53.6	A		20064+1735
425.1936	BX Sge	20 09 10.25	+18 46 08.9	A		20069+1837

Table 1: Variables on *MVS* 267–272 (cont'd.)

AN	GCVS	RA (2000)	Dec	s	GSC	IRAS
426.1936	BY Sge	20 ^h 09 ^m 47 ^s .20	+17°18'33".6	A		
427.1936	CC Sge	20 10 22.77	+16 57 24.6	G	1622-0015	20081+1648
428.1936	CD Sge	20 10 28.54	+17 34 19.7	A		20081+1725
429.1936	NSV 12864	20 10 38.93	+17 53 27.3	A		
430.1936	DM Vul	20 10 40.92	+21 41 37.8	G	1630-3115	
431.1936	EZ Sge	20 11 12.96	+18 20 56.6	G	1622-1023	
432.1936	CG Sge	20 11 13.48	+21 00 52.6	A		
433.1936	CI Sge	20 11 27.25	+17 44 26.4	G	1622-1284	
434.1936	FF Sge	20 11 43.30	+21 14 57.2	G	1630-0550	
435.1936	UZ Sge	20 12 16.21	+19 20 55.5	G	1626-1289	
436.1936	FH Sge	20 12 58.89	+17 59 02.4	A		
	V586 Aql*	20 13 14.01	+15 00 32.0	G	1618-1761	
437.1936	FI Sge	20 13 16.21	+17 30 37.4	A		
438.1936	CM Sge	20 13 31.20	+17 41 57.9	A		
439.1936	CO Sge	20 14 08.06	+17 40 55.1	G	1622-0604	
440.1936	FP Sge*	20 14 45.84	+19 36 49.5	A		
441.1936	CQ Sge	20 16 00.59	+20 15 56.6	A		20137+2006
442.1936	CR Sge	20 16 54.05	+16 41 33.3	G	1631-0258	20146+1632
443.1936	CS Sge	20 17 10.83	+18 28 15.8	G	1635-0101	20149+1818
444.1936	V537 Aql	19 46 54.82	+02 13 13.4	A		19443+0205
445.1936	V538 Aql	19 47 27.54	+00 13 15.5	A		
446.1936	V682 Aql	19 47 55.32	+01 44 11.0	G	0480-0413	
447.1936	V540 Aql	19 48 13.45	+02 39 13.0	A		
448.1936	V544 Aql	19 49 32.15	−02 58 38.9	G	5150-0455	
449.1936	V546 Aql*	19 49 53.58	−04 01 20.8	G	5154-0294	
450.1936	V547 Aql	19 49 51.66	−01 05 19.9	A		19472−0113
451.1936	V691 Aql	19 50 26.12	−01 44 02.8	G	5146-1164	
452.1936	V692 Aql	19 50 21.54	+01 48 13.4	G	0480-1295	
453.1936	V693 Aql	19 50 33.07	−00 56 03.7	G	5146-2259	
454.1936	V550 Aql	19 50 53.63	+00 46 03.5	G	0480-0632	19483+0038
455.1936	V552 Aql	19 51 21.76	−01 29 29.8	G	5146-2515	19487−0137
456.1936	V709 Aql	19 53 11.75	−01 14 44.5	G	5147-1301	
457.1936	V555 Aql	19 53 26.61	−04 44 00.5	G	5155-2068	
458.1936	V608 Aql	19 53 58.84	−00 42 46.4	T	5147-0560	
459.1936	V557 Aql	19 54 42.00	+03 21 47.3	G	0485-0004	
460.1936	V717 Aql	19 55 11.74	+00 13 18.8	G	0481-1312	
461.1936	V560 Aql	19 55 38.02	−00 18 42.7	A		19530−0026
462.1936	NSV 12564	19 55 33.30	+03 11 47.8	G	0485-3008	
463.1936	V720 Aql	19 55 44.33	+01 50 37.8	G	0481-1028	
464.1936	V722 Aql	19 56 00.70	−01 44 47.3	G	5147-1573	
465.1936	V561 Aql	19 55 54.49	+01 34 14.2	A		
466.1936	V723 Aql	19 56 38.50	−00 58 22.3	G	5147-1181	
467.1936	V563 Aql	19 57 16.05	−01 31 01.8	G	5147-2417	
468.1936	V739 Aql	19 58 39.67	−04 49 21.1	A		
469.1936	V738 Aql	19 58 30.77	+00 19 20.3	G	0481-1228	
470.1936	V564 Aql*	19 58 34.95	+02 36 47.4	G	0485-2649	19560+0228

Table 1: Variables on *MVS* 267–272 (cont'd.)

AN	GCVS	RA (2000)	Dec	s	GSC	IRAS
471.1936	V751 Aql	20 ^h 00 ^m 18 ^s .60	+02°14'59".7	A		
472.1936	NSV 12683	20 00 59.75	+03 15 44.1	T	0498-0606	
473.1936	V763 Aql	20 01 32.82	−03 34 53.7	G	5164-0827	
474.1936	NSV 12709	20 02 03.11	+02 56 09.0	G	0498-0580	
475.1936	V571 Aql	20 02 07.20	+03 11 53.3	A		
476.1936	V506 Aql	20 02 50.79	−04 32 56.4	G	5168-1998	20001−0441
477.1936	V769 Aql	20 03 12.73	−03 40 48.8	G	5164-1535	
478.1936	V573 Aql	20 03 40.39	+01 12 49.4	G	0494-0419	20011+0104
479.1936	V508 Aql	20 05 32.76	−00 44 18.9	G	5160-2101	
480.1936	V577 Aql	20 05 57.54	+01 52 50.7	G	0498-0447	
481.1936	V779 Aql	20 06 48.43	−00 48 32.7	A		
482.1936	V785 Aql	20 07 37.47	+02 53 31.4	A		
483.1936	V578 Aql	20 07 59.66	−04 39 24.6	G	5169-2073	
484.1936	V786 Aql	20 08 08.46	−00 21 51.9	G	5161-2381	
485.1936	V579 Aql	20 08 11.95	−00 01 21.2	G	5161-2236	
486.1936	V580 Aql	20 08 38.68	−04 25 19.8	A		20060−0434
	V581 Aql*	20 08 29.03	+00 49 06.2	G	0495-2939	
487.1936	V582 Aql	20 09 10.74	−00 07 02.1	G	5161-2124	
488.1936	V789 Aql	20 09 17.69	−00 10 21.0	G	5161-2190	
489.1936	V583 Aql	20 10 00.36	−01 41 05.2	G	5161-1407	
490.1936	V584 Aql	20 10 29.83	−01 37 40.8	T	5161-1122	
491.1936	V585 Aql	20 10 39.57	−03 00 49.8	G	5165-0522	
492.1936	V791 Aql	20 13 19.40	+03 06 48.5	G	0499-2681	20107+0257
493.1936	V792 Aql	20 15 02.40	−00 28 58.9	G	5162-2255	
494.1936	V587 Aql	20 15 32.17	−02 58 22.0	G	5166-0460	
495.1936	V588 Aql	20 15 40.24	−03 57 03.4	G	5170-0923	
496.1936	V793 Aql	20 15 23.00	+03 21 07.2	G	0500-2405	
497.1936	NSV 12970	20 17 03.17	−03 32 03.0	A		
498.1936	V590 Aql	20 17 08.55	−04 03 06.9	G	5170-1089	
499.1936	V794 Aql	20 17 34.03	−03 39 50.2	A		
500.1936	V591 Aql	20 17 29.49	+01 48 37.2	A		
501.1936	V592 Aql	20 18 31.62	+00 25 13.4	G	0496-2577	
502.1936	V593 Aql	20 19 04.49	+01 54 14.2	G	0500-1779	
503.1936	V594 Aql	20 21 03.46	+02 34 01.9	G	0500-0122	
504.1936	V414 Cyg	19 56 55.96	+42 51 55.4	G	3145-1077	19552+4243
505.1936	V415 Cyg	19 57 37.27	+41 45 35.6	A		19559+4137
506.1936	V416 Cyg	19 58 09.83	+43 06 14.9	G	3145-0013	
507.1936	V417 Cyg	20 00 58.73	+39 42 17.6	G	3154-1185	
508.1936	V418 Cyg	20 01 10.20	+43 06 52.0	A		
509.1936	NSV 12726	20 01 48.02	+39 20 55.0	G	3150-0013	
510.1936	V419 Cyg*	20 02 29.6	+38 35 22	S		
511.1936	V420 Cyg	20 02 42.79	+42 08 52.4	T	3158-1311	20010+4200
512.1936	V421 Cyg	20 02 54.06	+40 30 23.4	A		
513.1936	V422 Cyg	20 04 00.05	+37 49 36.4	A		
514.1936	V423 Cyg	20 03 57.51	+39 59 16.9	G	3154-3204	20021+3950
515.1936	V1305 Cyg*	20 04 53.11	+37 45 11.8	T	3150-1912	

Table 1: Variables on *MVS* 267–272 (cont'd.)

AN	GCVS	RA (2000)	Dec	s	GSC	IRAS
516.1936	V447 Cyg*	20 ^h 05 ^m 53 ^s .15	+35°52'11".1	G	2682-1579	
517.1936	V424 Cyg	20 05 56.60	+40 36 35.2	G	3154-1737	
518.1936	V425 Cyg	20 08 04.56	+36 07 26.0	T	2683-2026	
519.1936	V427 Cyg	20 08 03.48	+37 36 43.4	T	3150-1466	20062+3727
520.1936	V426 Cyg	20 07 48.81	+41 39 48.5	G	3158-0428	
521.1936	V402 Cyg	20 09 07.76	+37 09 07.1	T	2683-1235	
522.1936	V491 Cyg	20 10 38.29	+35 35 11.2	A		
523.1936	V428 Cyg	20 10 56.84	+36 34 47.5	G	2683-0808	20090+3625
524.1936	V429 Cyg	20 11 06.16	+36 06 49.0	G	2683-1186	
525.1936	V430 Cyg	20 11 26.20	+35 42 28.2	A	2683-3766	
526.1936	V1043 Cyg	20 13 06.67	+37 48 22.9	G	3151-0928	
527.1936	V431 Cyg	20 13 12.26	+41 27 25.7	G	3159-0739	
528.1936	V432 Cyg*	20 15 29.36	+37 01 11.4	T	2684-2006	
529.1936	V433 Cyg*	20 15 39.86	+38 25 45.1	A		
530.1936	V434 Cyg	20 16 19.06	+37 55 44.2	A		
531.1936	V435 Cyg	20 16 26.98	+38 45 40.9	G	3151-2195	
532.1936	V396 Cyg	20 16 12.68	+42 06 31.6	T	3159-1240	
533.1936	V1046 Cyg	20 16 47.49	+36 32 59.9	G	2684-1860	
534.1936	V436 Cyg*	20 17 08.58	+36 53 13.2	G	2684-1641	
535.1936	V437 Cyg	20 17 14.9	+41 47 02	S		
536.1936	V438 Cyg	20 18 54.31	+40 03 52.2	T	3155-0282	
537.1936	V439 Cyg	20 21 33.59	+37 24 51.8	G	2684-0184	
538.1936	V498 Cyg	20 23 10.83	+39 09 44.3	T	3152-0577	
539.1936	V440 Cyg*	20 25 23.25	+40 52 17.8	T	3156-1827	20235+4042
	V441 Cyg*	20 27 08.12	+36 33 06.5	T	2697-0092	
540.1936	V443 Cyg	20 27 45.64	+38 41 23.8	T	3152-1283	
541.1936	V445 Cyg	20 28 18.95	+38 17 43.3	G	3152-0142	
542.1936	V1393 Cyg*	20 33 39.10	+41 19 26.0	T	3161-1360	
543.1936	V446 Cyg	20 42 34.64	+38 42 09.6	G	3166-0354	
544.1936	V1788 Cyg	20 42 37.19	+38 27 25.6	G	3166-1400	
545.1936	NSV 13185	20 35 38.65	+73 00 09.2	T	4455-0330	20359+7249
546.1936	FP Cep	20 54 53.98	+66 26 41.2	G	4259-0062	
547.1936	FQ Cep	20 55 10.04	+67 01 58.4	G	4259-0951	
548.1936	NSV 13480	21 00 05.34	+74 35 27.0	G	4472-0047	21003+7423
549.1936	NSV 13584	21 08 47.52	+73 26 12.7	G	4472-1139	21087+7313
550.1936	NSV 13610	21 12 13.56	+71 03 51.4	G	4465-0422	21118+7051
551.1936	AW Cep	21 11 30.13	+73 53 15.5	G	4472-1000	21115+7340
552.1936	GG Cep	21 20 22.58	+67 25 51.9	G	4260-0743	
553.1936	AX Cep	21 26 54.00	+70 13 15.4	G	4465-0671	
554.1936	NSV 13788	21 32 12.17	+74 00 43.6	G	4473-1203	21319+7347
555.1936	NSV 13842	21 40 08.82	+68 02 43.7	G	4462-0125	F21391+6748
556.1936	CT Cep*	21 46 12.29	+67 38 10.9	T	4462-1503	21451+6724
557.1936	EL Cep	21 46 22.55	+69 11 06.9	G	4462-2121	
558.1936	IP Cep	21 46 55.47	+68 52 49.7	T	4462-1480	
559.1936	NSV 13916	21 52 39.20	+67 39 24.5	A		
560.1936	BG Cep	22 00 30.65	+68 28 22.7	G	4463-2730	

Table 1: Variables on *MVS* 267–272 (cont'd.)

AN	GCVS	RA (2000)	Dec	s	GSC	IRAS
561.1936	BI Cep	22 ^h 02 ^m 02 ^s .80	+68°24'32"0	G	4463-2825	22008+6809
562.1936	BH Cep	22 01 42.87	+69 44 36.5	T	4467-2136	
563.1936	BK Cep	22 08 26.78	+68 18 09.4	G	4463-0342	
564.1936	BL Cep	22 13 09.30	+67 35 34.0	G	4463-0778	
565.1936	BM Cep	22 16 45.63	+66 59 39.1	G	4275-0545	
566.1936	BN Cep	22 17 01.84	+66 36 34.2	G	4275-0672	
567.1936	BP Cep	22 19 29.98	+66 48 17.4	T	4276-0353	
568.1936	BQ Cep	22 26 56.31	+68 25 11.6	G	4476-1308	22254+6809
569.1936	BS Cep*	22 29 05.44	+65 14 41.7	A		
570.1936	BU Cep	22 32 15.55	+64 58 40.4	G	4272-0809	
571.1936	BV Cep	22 38 41.45	+69 37 55.3	G	4480-0243	
572.1936	BW Cep	22 41 17.00	+63 02 37.3	G	4269-0023	
573.1936	BX Cep*	22 50 15.69	+65 21 02.3	T	4273-0434	
574.1936	BY Cep	22 51 50.66	+65 38 53.9	G	4290-1064	22500+6522
575.1936	BZ Cep	22 54 13.86	+64 03 19.9	G	4286-1006	
576.1936	BB Cep	22 55 30.22	+64 00 31.1	T	4286-0902	
577.1936	CC Cep	23 01 28.55	+61 40 19.5	A		
578.1936	CD Cep	23 04 31.78	+64 08 44.6	A	4286-0679	23025+6352
579.1936	CE Cep	23 04 30.3	+64 45 50	S		
580.1936	CF Cep	23 05 56.48	+69 37 23.6	A		
581.1936	CG Cep	23 10 25.97	+66 33 31.8	A		
582.1936	CI Cep	23 11 26.84	+62 58 54.5	G	4283-0552	
583.1936	CL Cep	23 12 57.14	+65 36 09.9	G	4287-0195	
584.1936	DP Cas	23 20 12.65	+62 18 26.2	G	4283-0857	
585.1936	CM Cep	23 22 37.99	+65 17 58.4	T	4287-1333	
586.1936	NSV 14533	23 22 53.22	+62 05 10.2	G	4283-0049	
587.1936	DQ Cas	23 24 57.30	+62 18 51.0	G	4283-0555	
588.1936	CN Cep	23 25 34.83	+64 47 25.5	G	4287-1183	
589.1936	DS Cas*	23 32 20.90	+62 06 32.1	T	4284-0514	
590.1936	DX Cas	23 39 35.14	+59 35 09.9	G	4012-0685	23372+5918
591.1936	EF Cas	23 43 23.47	+58 12 25.6	G	4012-0458	23409+5755
	EO Cas*	23 51 27.30	+62 51 47.0	A	4285-3539	
592.1936	EQ Cas	23 52 53.30	+55 00 48.9	T	4005-1753	
593.1936	ER Cas	23 54 52.72	+61 20 38.8	G	4281-0462	23523+6103
594.1936	EX Cas	00 02 41.79	+61 51 40.1	G	4014-0116	
595.1936	WY Cas*	23 58 01.30	+56 29 13.5	T	4009-1430	
596.1936	EY Cas	00 03 22.75	+57 44 53.6	G	3660-0401	
597.1936	DI Cas*	00 04 40.8	+55 32 17	S		00020+5515
598.1936	FG Cas	00 05 29.17	+56 23 02.9	A		
	FK Cas	00 06 03.01	+55 12 01.7	A		
599.1936	NSV 39	00 07 11.46	+57 19 58.7	G	3660-0987	
	FN Cas*	00 15 50.62	+57 32 39.6	G	3661-1214	
600.1936	FQ Cas*	00 21 25.56	+59 13 55.3	G	3665-0330	
	V378 Cas*	00 21 45.57	+59 14 55.3	G	3665-1366	
601.1936	FS Cas	00 24 39.48	+57 18 26.8	A		
602.1936	FT Cas	00 25 00.27	+59 31 24.0	A		
603.1936	FX Cas	00 38 06.64	+57 12 04.1	G	3662-2100	
604.1936	FZ Cas	00 39 04.85	+59 40 41.2	T	3666-1409	

Notes:

V546 Aql	chart distorted.
V564 Aql	IRAS source flux includes contribution from the nearby galaxy UGC 11501.
V581 Aql	SV* R 267.
V586 Aql	SV* R 270.
V783 Aql	blue in USNO-A2.0.
WY Cas	Tycho-2 epoch 1991.7.
DI Cas	northern star of a pair.
DS Cas	Tycho-2 epoch 1991.6.
EO Cas	SV* R 227.
FN Cas	southwestern star of a pair.
FQ Cas	can be confused with nearby V378 Cas, <i>cf.</i> Richter (1961).
V378 Cas	near FQ Cas.
BS Cep	nearby IRAS 22275+6459 is a nebula.
BX Cep	SV* R 94.
CT Cep	IRC +70178.
V419 Cyg	Yoshida <i>et al.</i> position slightly in error.
V432 Cyg	Tycho-2 epoch 1991.6; southeastern star of a pair.
V433 Cyg	SV* M 257.
V436 Cyg	C* 2888.
V440 Cyg	Tycho-2 epoch 1991.6.
V441 Cyg	SVS 601.
V447 Cyg	[MJD95] J200553.15+355210.9.
V1305 Cyg	northern star in a small trio.
V1393 Cyg	Ass Cyg OB 2-37 = [MT91] 601.
FP Sge	mean coordinates of a close double.

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