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**COORDINATES AND IDENTIFICATIONS FOR
SONNEBERG VARIABLES ON MVS 262–266**

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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).

Table 1: Variables on *MVS* 262–266

AN	GCVS	RA (2000)	Dec	s	GSC	IRAS
217.1936	V601 Oph	18 ^h 29 ^m 10 ^s .24	+08°55′35″.7	T	1023-1514	18267+0853
218.1936	V602 Oph	18 29 27.12	+11 29 04.1	A		
219.1936	V604 Oph	18 30 12.17	+06 21 16.8	A		18277+0619
220.1936	V603 Oph	18 30 03.56	+08 41 26.0	A		
221.1936	BP Ser	18 30 13.38	+06 16 49.7	G	0458-0918	
222.1936	V605 Oph	18 30 15.21	+09 46 10.7	G	1027-2178	
223.1936	V606 Oph	18 30 38.42	+10 21 19.2	G	1028-1979	
224.1936	V607 Oph*	18 31 06.3	+09 01 33	S		
225.1936	V608 Oph	18 31 15.03	+07 08 27.0	G	0458-1061	
226.1936	V609 Oph	18 31 15.10	+09 35 54.9	G	1028-1898	18288+0933
227.1936	V610 Oph	18 31 23.78	+09 10 10.2	G	1024-1439	
228.1936	V611 Oph	18 31 46.10	+07 17 43.1	T	0458-0105	
229.1936	V612 Oph	18 31 54.89	+11 00 54.1	G	1028-2715	
230.1936	V613 Oph	18 32 20.19	+08 59 05.1	G	1024-0601	
231.1936	V614 Oph	18 32 34.51	+09 57 22.1	T	1028-0332	18302+0955
232.1936	V514 Oph	18 33 04.31	+08 27 37.5	A		
233.1936	V615 Oph	18 32 58.86	+10 51 32.3	A		18306+1049
234.1936	V616 Oph	18 33 08.81	+07 55 14.3	G	1024-1926	
235.1936	V617 Oph	18 33 16.9	+11 37 58	S		

Table 1: Variables on *MVS* 262–266 (cont'd.)

AN	GCVS	RA (2000)	Dec	s	GSC	IRAS
236.1936	V618 Oph	18 ^h 33 ^m 41 ^s .81	+06°55'16".2	A		
237.1936	V620 Oph*	18 33 47.37	+09 06 59.8	A		
238.1936	V619 Oph	18 33 42.72	+10 49 07.8	A		18313+1046
239.1936	V621 Oph	18 33 56.38	+08 54 26.1	G	1024-1777	18315+0852
240.1936	V622 Oph	18 34 04.48	+08 52 29.4	A		18316+0850
241.1936	V623 Oph	18 34 17.67	+07 48 21.9	G	1024-1698	
242.1936	V624 Oph	18 34 15.40	+09 04 10.2	G	1024-0569	
243.1936	V625 Oph	18 34 17.42	+10 48 27.9	G	1028-1067	
244.1936	V626 Oph	18 34 22.60	+10 27 19.2	G	1028-2279	18320+1024
245.1936	V627 Oph	18 34 33.60	+09 12 41.4	G	1024-0147	
246.1936	V629 Oph	18 35 12.59	+09 28 26.2	A		
247.1936	V628 Oph	18 35 17.63	+10 03 20.1	G	1028-2744	
248.1936	V631 Oph	18 35 35.29	+09 04 00.3	A		18331+0901
249.1936	V632 Oph*	18 35 41.3	+08 10 48	S		
250.1936	V630 Oph	18 35 40.92	+09 18 08.1	A		
251.1936	V634 Oph	18 36 00.03	+06 42 49.8	A		
252.1936	V633 Oph	18 35 48.25	+10 36 58.1	A		18334+1034
253.1936	BR Ser	18 36 14.45	+05 04 40.1	G	0454-1452	
254.1936	V635 Oph	18 36 24.15	+07 36 43.4	A		18340+0734
255.1936	V638 Oph	18 36 44.45	+09 00 05.2	G	1024-0607	
256.1936	V637 Oph	18 36 41.76	+09 56 18.2	G	1028-1266	18343+0953
257.1936	V636 Oph	18 36 41.46	+10 28 21.9	G	1028-1781	
258.1936	V639 Oph	18 37 13.14	+07 33 01.1	G	1024-2024	
259.1936	V643 Oph	18 37 26.68	+06 21 42.1	G	0458-1439	
260.1936	V640 Oph	18 37 08.61	+11 16 16.4	A		
261.1936	V642 Oph*	18 37 22.73	+08 06 28.0	A		
262.1936	V641 Oph	18 37 18.18	+09 11 21.9	A		
263.1936	V644 Oph*	18 37 24.36	+09 58 19.2	A		
264.1936	BS Ser	18 37 48.60	+05 04 01.6	G	0455-1250	
265.1936	V647 Oph	18 37 49.5	+08 10 56	S		18354+0808
266.1936	V646 Oph	18 37 44.33	+10 17 43.9	A		
267.1936	V645 Oph	18 37 41.70	+11 52 19.6	G	1032-0144	
268.1936	V649 Oph	18 38 03.00	+09 23 34.0	G	1028-2040	
269.1936	V650 Oph	18 38 07.54	+12 01 50.1	G	1032-1260	
270.1936	BT Ser	18 38 49.67	+04 50 00.5	G	0455-3129	
271.1936	V651 Oph*	18 38 40.14	+09 22 23.4	A		
272.1936	V653 Oph	18 38 43.52	+11 02 57.4	A		18363+1100
273.1936	V654 Oph	18 39 30.39	+07 57 10.1	G	1025-2059	
274.1936	V656 Oph	18 39 33.68	+07 09 20.0	A		18371+0706
275.1936	V655 Oph	18 39 30.18	+07 52 03.2	A		18370+0749
276.1936	V515 Oph	18 39 33.09	+11 50 39.1	T	1033-2494	
277.1936	BU Ser	18 40 04.16	+05 41 13.0	G	0459-2322	
278.1936	V657 Oph	18 40 04.14	+10 07 52.4	A		
279.1936	V658 Oph	18 40 30.20	+08 14 28.2	A		
280.1936	V659 Oph	18 40 26.94	+10 01 48.8	A		

Table 1: Variables on *MVS* 262–266 (cont'd.)

AN	GCVS	RA (2000)	Dec	s	GSC	IRAS
281.1936	V660 Oph	18 ^h 40 ^m 41 ^s .2	+08° 45' 47"	S		18382+0842
282.1936	V661 Oph	18 40 58.04	+09 13 39.7	A		
283.1936	V662 Oph	18 41 16.56	+09 19 16.6	G	1025-1122	
284.1936	NSV 11212	18 41 34.94	+05 41 46.0	G	0459-1388	
285.1936	KW Her*	18 41 26.03	+12 09 40.9	A		
286.1936	V663 Oph	18 41 58.68	+07 03 43.8	G	0459-0291	
287.1936	V664 Oph	18 41 51.80	+11 20 16.5	G	1033-1393	
288.1936	V665 Oph	18 42 09.99	+10 38 55.1	A		
289.1936	V666 Oph	18 42 24.68	+09 51 32.7	A		
290.1936	V667 Oph*	18 42 30.71	+08 38 05.1	G	1025-1806	18401+0835
291.1936	BV Ser	18 42 55.15	+04 46 02.3	G	0455-0651	18404+0442
292.1936	V668 Oph	18 42 32.63	+10 20 43.9	A		18401+1017
293.1936	BW Ser*	18 43 00.73	+04 06 08.4	T	0455-0225	18405+0403
294.1936	V669 Oph	18 42 49.76	+10 44 19.9	G	1029-2090	18404+1041
295.1936	V670 Oph*	18 43 14.77	+10 07 06.7	G	1029-0274	
296.1936	KX Her	18 43 13.86	+12 23 51.4	G	1033-0618	
297.1936	V671 Oph	18 43 42.57	+09 39 02.4	A		
298.1936	V672 Oph	18 43 58.89	+11 05 44.2	A		
299.1936	V673 Oph	18 44 05.82	+09 24 39.0	A		18416+0921
300.1936	V674 Oph	18 44 07.06	+10 59 53.5	A		18417+1056
301.1936	V675 Oph	18 44 20.64	+10 33 22.5	A		18419+1030
302.1936	V676 Oph	18 44 23.0	+12 00 38	S		18420+1157
303.1936	KY Her	18 44 28.15	+12 46 49.6	A		
304.1936	V677 Oph*	18 44 51.5	+10 53 17	S		
305.1936	BX Ser	18 45 18.13	+04 16 06.8	G	0456-0232	18428+0412
306.1936	BY Ser	18 45 27.65	+04 37 23.3	G	0456-0567	18429+0434
307.1936	V539 Oph	18 45 22.54	+07 22 44.4	G	0460-0313	18429+0719
308.1936	LR Her	18 45 36.65	+12 16 30.6	A		
309.1936	BZ Ser	18 46 24.76	+05 20 16.3	G	0456-0006	
310.1936	V473 Aql	18 46 37.37	+11 29 28.8	G	1034-1358	
311.1936	V474 Aql	18 47 13.68	+10 33 19.7	A		18448+1029
312.1936	KZ Her	18 47 12.24	+12 27 24.1	A		18448+1224
313.1936	V475 Aql	18 48 29.72	+11 39 35.6	A		
314.1936	V476 Aql	18 48 48.59	+07 08 49.1	G	0460-0485	
315.1936	LL Her	18 48 37.16	+12 12 08.2	G	1034-2679	
316.1936	V477 Aql	18 49 24.33	+08 35 39.7	T	1026-2238	
317.1936	V478 Aql*	18 49 37.39	+11 52 03.7	T	1034-2864	18472+1148
318.1936	V479 Aql	18 50 19.64	+10 40 23.8	G	1030-2334	
319.1936	LM Her	18 50 16.06	+12 12 23.4	A		
320.1936	V480 Aql*	18 50 34.88	+07 07 33.9	G	0460-0382	
321.1936	LN Her	18 51 09.83	+12 25 14.0	A		
322.1936	V481 Aql	18 51 19.38	+10 44 28.6	A		
323.1936	LO Her	18 51 45.20	+12 13 09.6	A		
324.1936	V482 Aql	18 51 52.34	+10 37 48.0	G	1030-1826	
325.1936	V484 Aql	18 52 02.29	+09 53 14.4	G	1030-2419	18496+0949

Table 1: Variables on *MVS* 262–266 (cont'd.)

AN	GCVS	RA (2000)	Dec	s	GSC	IRAS
326.1936	V483 Aql	18 ^h 52 ^m 00 ^s .76	+10°25′03″.6	G	1030-1974	18496+1021
328.1936	V486 Aql*	18 52 09.26	+10 23 00.7	G	1030-0512	18497+1019
327.1936	V485 Aql	18 52 08.87	+09 42 35.7	A		
329.1936	V487 Aql*	18 52 16.8	+10 02 05	S		
330.1936	V488 Aql*	18 53 22.41	+11 02 54.3	A		
331.1936	V489 Aql	18 55 35.01	+12 04 29.8	G	1047-2096	18532+1200
12.1929	LP Her	18 55 41.21	+12 15 28.1	G	1047-1384	
332.1936	V490 Aql	18 58 25.98	+12 59 26.1	G	1047-1520	
333.1936	V492 Aql	18 59 27.24	+05 22 40.2	T	0457-0227	
334.1936	V491 Aql	18 59 10.34	+10 02 10.0	G	1043-1820	18568+0958
335.1936	V406 Aql	19 11 02.78	+01 11 24.4	T	0463-0656	
66.1930	V407 Aql	19 11 10.82	+01 08 52.1	G	0463-4301	
336.1936	NSV 11845*	19 15 17.46	−01 19 46.5	G	5130-0079	
337.1936	V815 Aql	19 22 11.88	−01 32 51.3	G	5130-2265	19195−0138
338.1936	V410 Aql	19 22 18.98	+05 18 32.0	G	0472-1489	
	V816 Aql*	19 23 10.62	−01 31 01.8	G	5131-1758	
339.1936	V849 Aql	19 23 21.58	−01 21 31.7	A		
340.1936	V412 Aql*	19 23 21.00	+01 39 52.8	G	0465-0248	
341.1936	NSV 11993*	19 25 04.21	+04 13 33.1	G	0473-4136	
342.1936	V365 Aql	19 26 15.50	+03 51 27.4	G	0473-6446	
343.1936	V858 Aql*	19 29 12.31	+03 51 41.9	T	0473-3116	
344.1936	V373 Aql	19 29 14.27	+06 48 24.3	G	0477-3335	
345.1936	V380 Aql	19 32 34.58	+02 17 42.2	G	0482-1460	
346.1936	V381 Aql	19 32 53.61	−01 02 13.3	G	5144-0398	
347.1936	V383 Aql	19 35 06.10	+02 02 26.2	G	0482-2195	19325+0155
348.1936	V382 Aql	19 35 09.80	+01 55 31.2	A		19326+0148
349.1936	V385 Aql	19 35 38.81	+04 58 18.5	G	0486-3109	
350.1936	V386 Aql*	19 35 46.06	+06 46 09.6	A		
351.1936	V420 Aql	19 40 14.35	+02 39 02.8	G	0483-1735	
352.1936	CL Vul	19 39 51.70	+22 16 09.5	G	1614-0661	
353.1936	DG Sge	19 40 35.16	+19 17 08.1	A		
354.1936	XY Sge	19 41 06.36	+17 56 11.1	G	1606-1320	19388+1749
355.1936	NSV 12307*	19 41 44.44	+20 30 24.6	G	1610-0169	
356.1936	GG Vul	19 42 13.88	+20 28 49.7	G	1610-0511	
357.1936	GH Vul	19 42 33.74	+20 09 57.6	A		
358.1936	CM Vul	19 42 35.38	+22 57 59.5	G	2139-2147	
359.1936	DP Sge*	19 43 47.8	+18 16 01	S		
360.1936	CO Vul*	19 43 43.86	+19 34 07.7	G	1610-0042	
361.1936	CN Vul	19 43 34.01	+22 44 59.2	G	2139-0323	
362.1936	YY Sge	19 44 08.49	+18 00 08.0	A		
363.1936	YZ Sge*	19 44 57.39	+17 08 45.6	G	1619-1576	
364.1936	CP Vul	19 45 18.1	+19 29 44	S		
365.1936	ZZ Sge	19 46 18.23	+18 44 38.4	G	1619-0175	

Table 1: Variables on *MVS* 262–266 (cont'd.)

AN	GCVS	RA (2000)	Dec	s	GSC	IRAS
366.1936	BR Vul	19 ^h 46 ^m 35 ^s .19	+22°53'23".2	T	2139-2370	
125.1940	AA Sge	19 46 31.06	+18 45 05.5	G	1623-0940	19443+1837
367.1936	CR Vul	19 46 59.36	+19 57 57.9	G	1623-1482	19447+1950
368.1936	DT Sge	19 47 25.29	+18 54 41.8	A		
369.1936	DH Sge*	19 47 36.01	+16 54 35.5	A		
370.1936	CT Vul	19 47 32.57	+20 54 17.9	A		
371.1936	V688 Aql	19 48 28.88	+15 37 16.1	T	1615-1752	
372.1936	CU Vul*	19 48 35.06	+21 40 06.3	T	1627-0814	19464+2132
373.1936	AD Sge	19 48 54.19	+17 33 42.1	A		19466+1726
374.1936	AE Sge	19 49 00.87	+18 45 19.2	G	1623-0354	
375.1936	CV Vul	19 49 12.70	+20 52 56.9	G	1627-2698	19470+2045
376.1936	GV Vul	19 49 23.76	+20 39 14.3	A		
377.1936	AH Sge	19 50 10.20	+17 30 08.2	G	1619-3073	
378.1936	EU Vul	19 50 31.68	+22 12 04.8	G	1627-0343	
379.1936	V602 Aql	19 51 00.61	+16 26 43.7	T	1615-2201	
380.1936	V1045 Aql	19 51 05.43	+15 19 19.3	G	1615-1349	
382.1936	V1046 Aql	19 51 20.27	+15 19 08.5	G	1615-0521	
381.1936	CW Vul	19 51 02.04	+20 31 07.6	A		19488+2023
383.1936	CX Vul*	19 51 10.93	+20 45 21.5	A		
384.1936	AK Sge	19 51 45.66	+16 49 34.3	G	1615-2703	
	V1053 Aql*	19 51 54.35	+15 34 39.6	A		19496+1526
385.1936	V707 Aql	19 52 20.38	+16 05 16.8	A		
386.1936	V708 Aql	19 52 28.82	+14 53 11.4	G	1070-1171	
43.1928	DP Vul*	19 52 18.1	+19 39 27			
387.1936	V713 Aql*	19 53 42.26	+15 31 10.7	G	1616-3293	19514+1523
388.1936	AN Sge*	19 54 12.53	+17 44 03.3	G	1620-0433	19519+1736
389.1936	V1064 Aql	19 54 56.73	+15 32 19.9	G	1616-0302	
390.1936	HL Vul	19 55 15.17	+20 46 20.9	A		
391.1936	DX Sge	19 55 59.84	+18 19 16.0	A		
392.1936	AR Sge	19 56 20.18	+20 59 53.4	A		
142.1905	AS Sge*	19 56 38.7	+17 19 40	S		
393.1936	NSV 12591	19 56 45.26	+19 47 34.9	A		
394.1936	V731 Aql	19 57 06.76	+15 33 02.9	G	1616-1804	
395.1936	AT Sge	19 57 04.26	+17 08 36.6	G	1620-1459	19548+1700
396.1936	V734 Aql*	19 57 30.26	+15 43 42.4	G	1616-2258	
146.1905	VY Sge*	19 57 32.5	+16 11 46	S		19552+1603
397.1936	AU Sge	19 57 33.55	+18 00 20.7	A		
398.1936	V735 Aql	19 57 43.61	+15 49 08.0	A		19554+1540
399.1936	DE Vul	19 57 52.81	+23 37 29.3	G	2141-1329	19557+2329
400.1936	EH Sge	19 58 08.28	+21 07 07.1	A		
401.1936	V744 Aql	19 58 35.35	+16 02 53.2	A		
402.1936	DH Vul	19 59 14.34	+22 01 13.3	A		
403.1936	AX Sge	19 59 27.06	+19 43 21.8	A		
404.1936	NSV 12664	19 59 45.66	+21 21 55.4	A		
405.1936	BB Sge	20 00 03.45	+18 01 54.1	A		
406.1936	NSV 12671	20 00 12.29	+19 49 03.2	A		
407.1936	BD Sge	20 00 47.41	+17 53 17.5	A		

Notes:

V386 Aql	contributes to IRAS 19332+0639, which has significant 60μ and 100μ flux, suggesting an obscured nebula or galaxy is also present in the immediate field to the northwest.
V412 Aql	IRC +00428.
V478 Aql	CGCS 4122; Tycho-2 position epoch 1991.9.
V480 Aql	outside position error-ellipse of IRAS 18482+0703.
V486 Aql	eastern star of a pair.
V487 Aql	variability evident on POSS-I/II red plates.
V488 Aql	outside position error-ellipse of IRAS 18511+1059.
V713 Aql	IRAS position has very large error-ellipse, so possibly includes other objects.
V734 Aql	northwestern star of a pair.
V816 Aql	SV* R 309; eastern star of a pair.
V858 Aql	IRC +00436.
V1053 Aql	HV 5480.
KW Her	ID uncertain; alternate candidate at end-figures $25^{\circ}69/23''6$.
V607 Oph	northern star of a close pair. faint on POSS-I red plate, but bright on POSS-II blue plate.
V620 Oph	variation evident on POSS-I/II red plates.
V632 Oph	faint on both POSS-I and POSS-II red/blue plates (blue mag. ~ 20).
V642 Oph	ID somewhat uncertain.
V644 Oph	outside position error-ellipse of IRAS 18351+0955.
V651 Oph	blue in USNO-A2.0.
V667 Oph	EIC 700.
V670 Oph	<i>MVS</i> chart distorted. two star-like flaws appear only on POSS-I red plate scan at: $18^{\text{h}}43^{\text{m}}15^{\text{s}}.1 +10^{\circ}07'26''$ and $18^{\text{h}}43^{\text{m}}15^{\text{s}}.4 +10^{\circ}07'30''$ (2000).
V677 Oph	crowded, but variability certain on POSS-I/II.
VY Sge	close companions N and W.
YZ Sge	ID certain via POSS-II IV-N plate.
AN Sge	northern component of close double, resolved in GSC (but with same ID).
AS Sge	CSS2 47; variability clearly evident via POSS-I/II.
DP Sge	crowded: on west side of tight ($\sim 15''$) clump of stars.
DH Sge	western star of a pair.
BW Ser	C* 2644; Tycho-2 position epoch 1991.8, northwestern star of a pair.
CO Vul	C* 2782.
CU Vul	IRC +20435 = DO 18188 = C* 2798; Tycho position epoch 1991.8.
CX Vul	variability certain via POSS-I/II.
DP Vul	USNO-UJ1.0 position from Skiff (1997) adopted.
NSV 11845	ID uncertain, crowded; GCVS ID adopted—no candidates in field are obviously variable on POSS-I/II.
NSV 11993	not IRAS 19226+0407 (which is nebular).
NSV 12307	not IRAS 19396+2024.

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