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IDENTIFICATION OF DAHLMARK VARIABLES: III

This note is a continuation of a series (Skiff & Williams, 1997a; Williams & Skiff, 1997) listing accurate coordinates and identifications for variable stars discovered by the amateur observer Lennart Dahlmark. This work is intended to assist in the recovery of these variable stars for further study and linkage within other surveys.

The methods used by the authors in their independent identification of the variable stars are described in the first note of this series (Skiff & Williams, 1997a). Table 1 gives precise positions and identifications for the third list of variables published by Dahlmark (1993, 1994). The table lists the ‘LD’ name followed by the J2000 position and its source, coded in the table and notes as follows: U = UA 1.0; G = GSC 1.1; D = measurement from DSS using UA 1.0 comparison stars. The next two columns give IRAS point-source and GSC designations. An asterisk in the next column indicates a note at the bottom of the table. The final column contains GCVS designations and other names from SIMBAD.

Table 1: Dahlmark Variables LD 106 – LD 185

Name	RA (2000)	Dec	s	IRAS	GSC	n	Other ids.
LD 106	19 03 12.86	+33 58 12.2	U	19013+3353			V494 Lyr
LD 107	19 06 18.09	+25 34 20.6	U	19042+2529			V337 Vul
LD 108	19 07 17.23	+31 42 54.5	G	19054+3138	2640-02384		V495 Lyr
LD 109	19 07 27.11	+35 46 35.3	U				V496 Lyr
LD 110	19 07 49.12	+36 23 09.1	G		2652-01471		V497 Lyr
LD 111	19 09 02.86	+32 53 22.5	G	19071+3248	2644-01985		V498 Lyr
LD 112	19 10 13.67	+23 20 39.1	D	19081+2315	2123-01515		V338 Vul
LD 113	19 11 13.16	+24 44 09.9	U				V339 Vul
LD 114	19 12 42.67	+23 11 26.0	G	19105+2306	2123-01937		V340 Vul
LD 115	19 13 19.64	+26 59 03.4	U				V500 Lyr
LD 116	19 14 37.54	+37 01 16.7	U	19128+3655			V501 Lyr
LD 117	19 22 00.87	+23 06 25.1	U	19199+2300			V342 Vul
LD 118	19 22 01.94	+26 22 22.4	G	19199+2616	2132-02539		V343 Vul
LD 119	19 22 41.15	+25 58 37.7	U				V344 Vul
LD 120	19 23 14.14	+24 27 40.1	G	19211+2421	2128-00676		V335 Vul
LD 121	19 23 48.69	+26 27 21.2	U	19217+2621			V345 Vul
LD 122	19 24 22.65	+32 19 08.2	D	19224+3213			V503 Lyr
LD 123	19 25 55.76	+26 38 23.8	U	19238+2632			V346 Vul
LD 124	19 26 01.95	+35 03 08.0	U	19241+3457			V504 Lyr
LD 125	19 27 06.35	+35 23 44.1	G		2662-02213		V1985 Cyg
LD 126	19 27 45.90	+24 42 34.5	U				V347 Vul
LD 127	19 30 14.60	+28 09 40.3	U	19282+2803			V1986 Cyg

Table 1 (cont.)

Name	RA (2000)	Dec	s	IRAS	GSC	n	Other ids.
LD 128	19 31 10.48	+23 30 33.9	G	19290+2324	2125-00932	*	V349 Vul
LD 129	19 31 42.89	+28 50 39.5	U				V1987 Cyg
LD 130	19 35 50.75	+34 16 10.2	U				V1988 Cyg
LD 131	19 39 20.48	+23 44 20.2	U	19372+2337			V350 Vul
LD 132	19 40 20.16	+23 32 58.2	D	19382+2325			V351 Vul
LD 133	19 41 02.38	+24 52 35.0	G	19389+2445	2143-01826		V352 Vul
LD 134	19 42 09.89	+30 13 52.8	U				V1989 Cyg
LD 135	19 43 33.47	+34 29 23.9	G	19416+3422	2664-00331	*	V1990 Cyg
LD 136	19 43 51.80	+32 29 28.8	D	19419+3222		*	V1991 Cyg
LD 137	19 46 25.04	+31 40 08.1	U	19444+3132			V1992 Cyg
LD 138	19 46 47.37	+28 08 33.4	G	19447+2801	2151-05679		AI Vul
LD 139	19 47 19.87	+35 46 18.9	U				V1993 Cyg
LD 140	19 49 22.13	+22 37 40.8	U	19472+2230			V353 Vul
LD 141	19 49 13.18	+29 31 36.6	D	19472+2923	2152-00824	*	V1995 Cyg
LD 142	19 49 48.70	+35 49 14.4	U	19479+3541			V1000 Cyg
LD 143	19 50 10.47	+22 32 17.0	U	19479+2224			V354 Vul
LD 144	19 50 11.22	+26 26 51.9	U				
LD 145	19 51 15.10	+26 10 56.6	U				V355 Vul
LD 146	19 51 28.78	+32 47 44.4	U	19495+3239			V1997 Cyg
LD 147	19 52 01.82	+27 09 44.9	U	19499+2701			V356 Vul
LD 148	19 53 57.19	+23 08 24.5	U				V357 Vul
LD 149	19 55 12.42	+22 31 06.6	D	19530+2223	2140-02164	*	V358 Vul
LD 150	19 55 57.13	+22 21 00.1	D	19537+2212		*	V359 Vul
LD 151	19 56 28.25	+23 16 13.4	U	19543+2308			V360 Vul
LD 152	19 58 01.52	+31 54 38.4	D	19560+3146			V2001 Cyg
LD 153	19 58 13.89	+29 41 30.1	U	19562+2933			V2002 Cyg
LD 154	19 59 06.57	+31 13 31.7	G		2670-02068		V2003 Cyg
LD 155	20 02 29.72	+29 51 40.8	D	20004+2943			V2004 Cyg
LD 156	20 03 10.58	+31 24 17.6	D		2670-02272		V2005 Cyg
LD 157	20 03 24.02	+29 54 53.4	G	20013+2946	2153-00130		V2006 Cyg
LD 158	20 06 20.26	+25 27 26.2	U				V363 Vul
LD 159	20 06 15.45	+35 17 24.6	D	20043+3508		*	V2007 Cyg
LD 160	20 06 38.33	+33 58 07.6	U	20047+3349			V2009 Cyg
LD 161	20 08 26.67	+25 35 50.5	U	20063+2527			V364 Vul
LD 162	20 09 44.16	+31 58 49.2	U				V2010 Cyg
LD 163	20 10 01.08	+25 37 59.7	U	20079+2529			V365 Vul
LD 164	20 11 00.24	+22 51 43.1	U			*	HX Vul
LD 165	20 12 37.94	+24 36 47.8	G	20104+2427	2158-01697		V366 Vul
LD 166	20 15 40.50	+25 26 38.4	U	20135+2517			V367 Vul
LD 167	20 16 05.74	+24 13 38.6	U	20139+2404			V368 Vul
LD 168	20 21 31.29	+30 24 48.1	U	20194+3015			V2013 Cyg
LD 169	20 21 34.58	+29 14 46.8	U	20195+2905			V372 Vul
LD 170	20 22 09.93	+22 22 59.4	U				V373 Vul

Table 1 (cont.)

Name	RA (2000)	Dec	s	IRAS	GSC	n	Other ids.
LD 171	20 26 08.76	+28 09 39.2	U	20240+2759			V374 Vul
LD 172	20 27 28.33	+24 17 21.7	D	20253+2407			V375 Vul
LD 173	19 17 46.37	+34 26 01.2	U				V502 Lyr
LD 174	19 21 45.16	+24 43 17.9	U	19196+2437			V341 Vul
LD 175	19 30 15.02	+24 10 10.6	U				V348 Vul
LD 176	19 48 32.50	+32 06 03.6	U				V1994 Cyg
LD 177	19 50 45.14	+29 29 10.1	D	19487+2921	2152-00122	*	V1996 Cyg
LD 178	19 52 21.95	+30 50 15.3	D	19503+3042			V1998 Cyg
LD 179	19 54 23.40	+34 04 51.3	U	19524+3356			V1999 Cyg
LD 180	19 56 08.54	+35 30 40.6	U	19542+3522			V1460 Cyg
LD 181	19 57 29.26	+30 43 13.4	D	19554+3035			V2000 Cyg
LD 182	19 58 02.99	+22 49 29.9	U	19558+2241			V361 Vul
LD 183	19 58 14.84	+35 43 22.0	G		2682-01684		V1464 Cyg
LD 184	20 18 22.86	+26 39 15.6	D	20162+2629		*	V369 Vul
LD 185	20 18 38.03	+28 35 28.1	U				V370 Vul

Notes:

- LD 128 IRC +20412.
LD 135 CGCS 4443.
LD 136 CGCS 4445.
LD 141 CGCS 4500. Not EM* VES 61. Close trio blended in GSC. Other components have end-figures $12^{\text{s}}89/33''1$ (D) and $12^{\text{s}}90/29''7$ (D).
LD 149 Pair. GSC entry flagged as 'nonstellar'. N component has end-figures $12^{\text{s}}23/13''8$ (U).
LD 150 CGCS 4561. Pair. N component has end figures $57^{\text{s}}13/06''5$ (D).
LD 159 CGCS 4670.
LD 164 Identity confirmed by comparison with finder chart on *MVS* 286.
LD 177 Pair blended in GSC. N component has end-figures $45^{\text{s}}03/15''6$ (D).
LD 184 Pair. E component has end-figures $23^{\text{s}}08/17''8$ (D).

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References:

- Dahlmark, L., 1993, *IBVS*, No. 3855
Dahlmark, L., 1994, *J. AAVSO*, **21**, 34
Skiff, B.A., and Williams, G.V., 1997, *IBVS*, No. 4448
Williams, G.V., and Skiff, B.A., 1997, *IBVS*, No. 4449