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IDENTIFICATION OF DAHLMARK VARIABLES: IV

This note is a continuation of a series (Skiff & Williams 1997a, 1997b; 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 fourth list of variables published by Dahlmark (1994, 1996). 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 186 – LD 220

Name	RA	(2000)	Dec	s	IRAS	GSC	n	Other ids.
LD 186	21 53	29.32	+44 05	05.0	G			V1093 Cyg
LD 187	21 57	32.02	+38 24	25.0	U			
LD 188	21 58	53.70	+50 12	01.2	U	21570+4957		
LD 189	22 06	32.94	+48 07	28.1	U			
LD 190	22 07	54.22	+41 05	11.4	U	22057+4050		
LD 191	22 09	05.10	+45 30	28.7	G	22070+4515		3606-00442
LD 192	22 09	30.89	+52 11	30.1	G			3618-02113
LD 193	22 09	34.88	+52 12	30.4	D		*	3618-00137
LD 194	22 10	15.66	+38 15	45.7	U	22081+3801		FBS L 1-19
LD 195	22 13	50.01	+43 54	38.2	G			3211-01072
LD 196	22 14	46.86	+46 54	39.2	U			
LD 197	22 15	58.94	+42 22	46.4	U	22138+4207		
LD 198	22 19	38.18	+48 13	20.3	U	22175+4757		
LD 199	22 23	28.93	+47 44	32.2	U			NSV 14144
LD 200	22 24	49.89	+47 49	24.1	U			
LD 201	22 25	41.15	+50 18	16.1	D	22236+5002	*	
LD 202	22 26	22.70	+48 24	05.2	U			
LD 203	22 28	13.09	+44 27	51.9	G			3212-00933
LD 204	22 29	56.56	+45 46	54.8	U			
LD 205	22 31	34.45	+48 16	00.7	G	22294+4800		3624-01959
LD 206	22 41	10.49	+40 34	10.4	U			
LD 207	22 43	21.04	+41 17	20.1	G	22410+4101		3222-00149
LD 208	22 45	15.09	+50 51	53.9	U	22431+5036	*	HL Lac

Table 1 (cont.)

Name	RA (2000)	Dec	s	IRAS	GSC	n	Other ids.
LD 209	22 46 20.97	+52 14 34.6	G		3633-02601	*	
LD 210	22 49 35.45	+52 18 11.0	G	22474+5202	3633-02259		
LD 211	22 50 15.93	+53 24 17.0	U	22481+5308			
LD 212	22 59 06.46	+49 07 58.2	D				
LD 213	23 01 06.42	+37 50 45.3	G		3216-01210		
LD 214	23 02 02.40	+39 59 50.8	G	22597+3943	3220-02872		
LD 215	23 02 24.03	+41 43 36.9	G		3224-01028	*	
LD 216	23 06 24.50	+38 15 34.4	D	23040+3759	3216-02107	*	
LD 217	23 16 25.96	+38 43 47.1	U	23140+3827			
LD 218	23 25 41.71	+45 42 03.9	U	23233+4525			
LD 219	23 31 01.32	+50 03 17.6	U	23286+4946			
LD 220	23 34 07.64	+46 20 02.9	U	23317+4603		*	NSV 14621

Notes:

- LD 193 NE component of very close pair blended in GSC. SE component has end-figures 35^s16/28["]3 (D).
LD 201 NE component of pair. SW component has end-figures 40^s73/12["]0 (D).
LD 207 Spectral type M7 (Dolidze 1975).
LD 209 Not FK Lac, see Williams (1996).
LD 215 Faint on POSS-I red print ($R \sim 16-17$), bright in GSC.
LD 216 SW component of pair blended in GSC. NE component has end-figures 24^s87/37["]7 (D).
LD 220 SV* R 101.

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