

COMMISSIONS 27 AND 42 OF THE IAU
INFORMATION BULLETIN ON VARIABLE STARS

Number 5298

Konkoly Observatory
Budapest
11 July 2002

HU ISSN 0374 – 0676

COORDINATES AND IDENTIFICATIONS OF HARVARD VARIABLES

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Of the more than 13,000 variable stars discovered in the course of Harvard sky photography from roughly 1890 to 1950, a large fraction are identified only by approximate coordinates in their discovery announcements, a circumstance which has confounded recovery and subsequent research on these variables. In this paper, we have employed original notebooks to identify variables announced or recovered by Dorrit Hoffleit, and published by her in the 1930's in five papers in the *Bulletins of the Harvard College Observatory* (Hoffleit 1930, 1931, 1932, 1935, 1936). Fortunately, the discovery series plates she employed survive intact with their markings. Most of the variables we identify here lack published finding charts; those charts which have been published often rest on nominal positional coincidence with the original approximate coordinates, and have not hitherto been confirmed.

The principal results of this paper are contained in five Tables, one for each discovery paper, which may be found following this introductory text. The introduction itself includes a description of the structure and annotation of the Tables, followed by brief accounts of the scope of each of the discovery papers, with remarks as appropriate clarifying cases of confusion with other field variables. The Tables themselves list coordinates and identifications for variable stars found in the corresponding discovery paper, arranged in the same order as they appeared in that paper. Appended to each list of new or recovered variables is a list of previously known variables lying in the same field, as drawn from the *Katalogen und Ephemeriden Veränderlicher Sterne* published by Prager (1929, 1930, 1931, 1934, 1935) for the corresponding year of publication, because their attempted recovery was included within the scope of Hoffleit's studies. Each Table is followed by a bibliography of published finding charts referenced in that Table, and Remarks containing additional information and identifications for variables listed in that Table.

Each Table lists in successive columns: (1) the assigned variable star name, (2) Harvard Variable number, (3) Guide Star Catalog (GSC: Lasker, *et al.* 1990) identification, (4) Right Ascension, (5) Declination, (6) Infrared Astronomical Satellite (IRAS: Joint IRAS Science Working Group 1986) identification, (7) variability type, and (8) references to published finding charts consulted during the course of this investigation.

Problematic objects are marked by a cross (†) appended to their entries in column (1), referring the reader to a more detailed discussion following below. These objects include

several instances in which variables were misidentified by subsequent investigators, with a different variable or suspected variable in the same field erroneously assigned the name of the Harvard Variable in question. However, they do not include simple cases of erroneous finding charts, which are identified in column (8).

The coordinates given in columns (4) and (5) are uniformly in the GSC1.1 reference system (Lasker, *et al.* 1992). Each variable was identified on a $15' \times 15'$ image of its field generated from the Digitized Sky Survey. Where the variable was found in GSC1.1, the coordinates quoted are the means of all GSC catalog entries classified as stellar. Where an asterisk (*) has been appended to the GSC number in column (3), all of the individual entries in the GSC corresponding to that number were classified non-stellar. In these cases (as well as those variables without GSC counterparts) the coordinates were measured directly on a digitized Guide Star Survey plate, using the Guide Star Astrometric Support Package from the Space Telescope Science Institute. In a few instances (marked by *colons* in columns 4 and 5), the variable in question is so badly blended with a neighbouring star that automatic centering algorithms fail, and it was necessary to estimate coordinates by eye. In a few cases, a variable was not discernable on any of the Guide Star Survey plates, but it is clearly registered on the SRC-J and ESO-R plates (southern fields) or POSSI-E and POSSI-O plates (northern fields) used to compile the USNO-A1.0 catalog; its coordinates were then adopted from that catalog, which is based on the GSC1.1 reference system. This is also the reference system adopted in the Digitized Sky Survey at

<http://archive.stsci.edu/dss/index.html>

through which field charts can be generated as needed for each of the variables included here.

IRAS counterparts listed in column (6) were identified by positional coincidence from the IRAS Point Source Catalog (Joint IRAS Science Working Group 1986), Faint Source Catalog (entries preceded by an 'F': Moshir, *et al.* 1989), or Serendipitous Source Catalog (preceded by an 'S': Kleinmann, *et al.* 1986). Those identifications followed by a question mark (?) lie within the 99% error ellipse of the corresponding IRAS catalog, but outside the 90% error ellipse. A similar identification procedure was followed for the MSX5C (Egan, *et al.* 1999) and ROSAT (1RXS: Voges, *et al.* 1999; 1RXS-F: Voges, *et al.* 2000; 1RXH: ROSAT Scientific Team 2000; 2RXP: ROSAT Consortium 2000) counterparts listed in the Remarks following Table 1.

The variability types shown in column (7) have been drawn from the Fourth Edition of the General Catalog of Variable Stars (GCVS: Kholopov, *et al.* 1985a, 1985b, 1987). In some cases, marked by an asterisk (*), the classification in column (7) has been truncated; the full GCVS classification is then given in the Remarks following the table.

Incorrect charts are identified by *italics* in column (8). However, only charts which unambiguously mark the wrong star are identified in this way. Many charts not identified here as clearly erroneous are nevertheless inadequate for unique identification of the variables to which they refer; those in the *Charts for Southern Variables* series and in the *AAVSO Variable Star Atlas* frequently mark only the general location of the variable. A bibliography of finding charts, by number, follows immediately after each Table. An asterisk (*) in column (8) refers the reader to additional comments in the Remarks to that Table.

Remarks to each Table, including numerous other catalog identifications, follow the finding chart bibliography. Full variability classifications from the GCVS are listed here for entries truncated in column (7) of the corresponding Table. Except as noted in Remarks, all variables have counterparts in both USNO-A1.0 (Monet, *et al.* 1996) and USNO-A2.0

(Monet, *et al.* 1998) catalogs. In addition, portions of most fields are covered in the Second Incremental Data Release of the 2MASS near-infrared survey (Cutri, *et al.* 2000). Those variables falling within the coverage of that release are here identified or else noted as undetected. Also noted in the Remarks is the presence of close companions which may have affected GSC, USNO-A1.0, or USNO-A2.0 positions, or which may otherwise confuse identification of the variable. We do not mean to imply that any of these companions are physical. In a few cases, we note the appearance of the variable on other plate series in the Digitized Sky Survey, where its clear variability served to confirm its identity. Plate series referenced in the Remarks are identified as Guide Star Survey (GSS), first-epoch Digitized Sky Survey (DSS1), or second-epoch Digitized Sky Survey (DSS2), along with the corresponding plate identification number.

We close this introduction with a summary account of the methods used to determine the coordinates originally reported for variable stars discovered in the Harvard surveys — methods which do not seem to have been previously published elsewhere. The position of each variable was measured relative to two Durchmusterung stars, one north preceding (or following), the other south following (or preceding) the variable. These stars were marked on the plate from which the variable star coordinates were to be determined. For this purpose, A-series plates (scale 60"/mm) were used for the southern hemisphere, and MC-series plates (scale 98"/mm) for the northern hemisphere. Millimeter graph paper was attached to a piece of glass the same dimensions as the plate from which the stellar positions were to be determined. The photographic plate was then mounted above the graph paper, and x, y coordinates of the variable and the comparison stars were read off the graph paper, using only a hand-held 2-inch magnifying glass. The coordinates recorded were then plotted on the graph paper and the plate again superposed to verify that the stars properly fell on top of the plotted coordinates. From these measurements and the celestial coordinates of the Durchmusterung stars, the right ascensions and declinations of the variables were interpolated.

Despite the primitive methods used to determine the positions reported in Hoffleit's discovery papers, most of them have proven reliable, with median errors of 0'.21, 0'.25, 0'.29, 0'.52, and 0'.39 for Tables 1-5, respectively. Some accidental errors may be attributed to the fact that nearly all the Durchmusterung reference stars are brighter than $m_{pg} = 10$, whereas three-fourths of the variables are no brighter than $m_{pg} = 14.0$ at maximum, the brightest (OO Aql) reaching only $m_{pg} = 9.9$. In a small number of cases, large positional discrepancies occur, but they are nearly always large in one coordinate only, and evidently arose from clerical or typographical errors.

Table 1: Milky Way Field 167

This field, lying entirely within the constellation Centaurus, was the subject of the first of Hoffleit's discovery papers (Hoffleit, 1930). Of the the 151 variable stars found in Table I of that paper, and identified here in Table 1, 124 (HV 4717-4840) were new discoveries, 25 (HV 4637-4661) were previously discovered by Waterfield (1929), and for the remaining two (AF and AU Cen) types and periods were first determined by Hoffleit. Five additional, previously known variables, listed by Prager (1929) and lying within the field of study, are appended here to Table 1. For a handful of objects identified here (BL Cen, BM Cen, BV Cen, BZ Cen, and CL Cen), errors in the reported discovery positions exceed 5'; however, only for the well-known dwarf nova BV Cen are these errors significant in both coordinates.

Among the variables in Table 1, the reader will notice the identification of a number of objects, putatively classified as of rapid but unknown type (S) or as of RR Lyrae type

(RR), which are coincident with IRAS point sources. In none of these cases does a likely alternative source (bright or suitably red in the USNO-A2.0 catalog) appear within the IRAS error ellipse. Ephemerides have never been determined for any of these objects, and it now appears likely that they must have been misclassified.

Four of the variables listed in Table 1 (AF-AI Cen) were originally discovered on Sydney Observatory plates by Wood (1920). Unfortunately, his account provides only very crude positions, and asserts variability from only 8, 4, 2, and 4 photographic observations, respectively, the latter three on the basis of a single discrepant observation each. Hoffleit successfully recovered only AF Cen. For AG Cen and AI Cen, the coordinates listed in Table 1 refer to the candidates she identified, neither of them showing any perceptible variation. In the case of AH Cen, no candidate was indicated, but again no variability was detected in any star near Wood's nominal position.

Table 2: Milky Way Field 175

Milky Way Field 175 straddles the border between the constellations Norma, to the north, and Triangulum Australe, to the south, extending partway into Ara to the north-east. Table 2 lists coordinates and identifications for the 289 variable stars found in Table I of the discovery paper devoted to this field (Hoffleit, 1931). As in Table 1, a list of previously known variables (Prager, 1930) in this same field is appended Table 2. These additional variables number 19, but do not include a further seven objects (NSV 07640, 07648, 07699, 07767, 07774, 07804, and LQ Nor) found by Voûte, not recovered by Hoffleit, but recently identified from Voûte's descriptions by Morel (1992).

Although the approximate positions reported in Hoffleit's discovery paper have mostly proven reliable, the declinations of three variables are discrepant by a full degree. AS TrA is 1° north of its reported discovery position, and lies not in Triangulum Australe, but in Norma. EG Nor is 1° south of its reported position, and lies not in Norma, but in Triangulum Australe. GG Nor is also 1° south of its reported position, and has been verified as identical with QT Nor (= HV 8903 = 787.1935), discovered independently by Luyten (1938).

As in Table 1, we have found a number of putative rapid variables (type S) or RR Lyrae stars (type RR) coincident with IRAS point sources. Once again, in none of these cases does a likely alternative source (bright or suitably red in the USNO-A2.0 catalog) appear within the IRAS error ellipse, nor, with the singular exception of DS TrA, have ephemerides ever been determined for any of these objects. It is likely that these variables have been misclassified.

Table 3: Milky Way Field 30

Milky Way Field 30 lies principally in the constellation Aquila, extending northward barely into Sagitta. Table 3 lists coordinates and identifications for the 75 variable stars found in Table I of the discovery paper devoted to this field (Hoffleit, 1932). As in Tables 1 and 2, a list of 56 previously known variables in this same field is appended to Table 3. These appended variables are drawn from Prager's (1931) catalog in those cases in which they had already been assigned names according to standard variable star nomenclature, but with additional objects, suspected but not yet named at the time, drawn from discoveries by Fleming (Pickering, 1906), Wolf (1904*a,b*), Wolf & Wolf (1905*a,b*, 1906), Ross (1928), and Buser (1929).

Several objects in this field presented identification conflicts, in which later investigators assigned the names originally conferred on variables in Hoffleit's discovery list to other variables, or suspected variables, that they discovered independently in their vicinity:

Hoffleit (1932) found HV 5424 to be a small-amplitude variable (15.1-15.5 pg) of indeterminate type. Hoffmeister (1940) believed he had recovered this star, describing it as probably a slow variable. On the strength of that seeming confirmation the designation V449 Aql was assigned to his variable in Name-List 38 (Guthnick & Schneller, 1941). Between August 1935 and September 1944, 180 plates of the field of γ Aql were secured at Sonneberg Observatory as part of a variable star survey of the northern Milky Way. A short summary of those observations was published by Ahnert, *et al.* (1949), who described this star as an irregular variable (range 14.3-15.6 pg).

A chart of the Sonneberg identification appeared eight years later (Hoffmeister, 1957). In fact, Hoffleit's and Hoffmeister's variables are two different stars, a mere 1'7 apart. Since the literature, variability type, range, and spectral type quoted in the General Catalog of Variable Stars all refer to Hoffmeister's variable, we retain its designation as V449 Aql, and list it among the 'Known variables' at the end of Table 3. This star is evidently the M6.5 star identified as V449 Aql by Cameron & Nassau (1956) on the basis of positional coincidence alone. Hoffleit's star remains HV 5424 in the principal body of Table 3, but its apparent range is so small as to call its variability into question.

HV 5461 was discovered as a variable of modest amplitude (15.0-16.0 pg) of indeterminate type, and assigned the designation NS Aql in the 30th Name-List of variable stars (Guthnick & Prager, 1932) on the strength of Hoffleit's (1931) observations alone. On a series of 144 plates obtained between July 1960 and October 1969 with the 0.40-m astrograph at the Southern Station of the Sternberg State Astronomical Institute, Shaganyan & Vypirajlo (1975) identified a star some 1'1 away as this variable. That star, entered as 'ShV sv' in the list of 'Known variables' at the end of Table 3, they found either constant, or weakly, irregularly variable with small amplitude ($0^m2 - 0^m8 B_{pg}$). NS Aql itself is a bright near-infrared source in the 2MASS survey (unlike ShV sv), and is clearly variable on Digital Sky Survey plates. The variability type 'L' appearing in the General Catalog of Variable Stars derives from the paper by Shaganyan & Vypirajlo, and is here transferred to ShV sv.

The confusion surrounding the identity of HV 5469 has been described by Hazen *et al.* (2002), who establish it as identical with V926 Aql. The nearby variable OP Aql, originally identified as HV 5469, was in fact a new variable discovered by Gessner (1959). We note that Paschke (1990) finds two additional putative variables near V926 Aql: a suspected eclipsing system ($B = 16^m0$, $R = 15^m1$ in USNO-A2.0) at $19^h48^m14^s.213$, $+09^\circ23'13''.45$ (J2000), and a suspected RR Lyrae variable ($B = 16.0$, $R = 14.6$ in USNO-A2.0) at $19^h48^m11^s.824$, $+09^\circ25'44''.31$ (J2000).

Two variables included in the 2MASS Second Incremental Data Release have near-infrared properties inconsistent with their ascribed variability type: NT Aql, a rapid variable of indeterminate type, is infrared-bright, while PQ Aql, a putative semiregular variable, is infrared-faint.

Table 4: Milky Way Fields 105, 108, and 111

Milky Way Fields 105, 108 and 111 straddle the boundary between the constellations of Auriga, to the north, and Taurus, to the south. Table 4 lists coordinates and identifications for the 67 variable stars found in Table I of the discovery paper devoted to these fields (Hoffleit, 1935). These variables are followed by 20 suspected variables from Hoffleit's Table II. As in Tables 1-3, a list of 48 previously known variables in this same field is appended to Table 4. These appended variables are drawn from Prager's (1934) catalog in those cases in which they had already been assigned names according to standard variable star nomenclature, but with additional objects, suspected but not yet named at

the time, drawn from discoveries by Ross (1927), Hoffmeister (1930, 1931), and Shajn (1933).

Of the discovery positions published in 1935, only NSV 01958 is found more than 5' from its announced position. Nevertheless, we are aware of three apparent misidentifications which warrant further comment. In 1976, Tsesevich published his *Studies of Variable Stars in Selected Regions of the Galactic Field* (Tsesevich, 1976). Among the many variables included in that monograph are a number belonging to Hoffleit's (1935) discovery list, including two (NSV 01829 and PR Aur) with discrepant finding charts. The third case involves NSV 01812 (= CSV 100436), which Kurochkin (1951) believed he had recovered.

Tsesevich's chart labeled CSV 492 marks a star 2'.7 south of Hoffleit's variable, HV 6877, the true CSV 492 (= NSV 01829). His identification is included here among the appended stars, where it is identified as 'Ts 492'. He compiled a light curve for it from the plate collection at the Sternberg State Astronomical Institute, using 38 plates taken between December 1959 and November 1965 at Odessa, and a further 194 taken between October 1965 and March 1970 at Moscow. Despite finding modest dispersions in brightness in each of these plate series (0^m12 rms, range 13.95 - 14.87: pg at Odessa; 0^m17 rms, range 14.23 - 14.94 pg at Moscow), he did not regard the variations he found as real. Hoffleit found HV 6877 itself to be of moderately large amplitude (12.5 - 14.0 pg), and we confirm that it does appear to vary on Harvard plates.

The situation is very similar in the case of PR Aur. Tsesevich's chart labeled CSV 494 marks a star 34" southeast of Hoffleit's variable, HV 6878. On 193 plates taken between September 1949 and March 1970 at Moscow, his estimates range from 15.10 pg to 15.81 pg. Despite finding an even smaller dispersion in brightness for this star (0^m14 rms) than for the star he identified as CSV 492 (Ts 492 above), he considered it a true irregular variable of small amplitude. On the basis of his observations, the designation PR Aur was assigned to this star in Name-List 62 (Kukarkin, *et al.*, 1977). We therefore include Tsesevich's star under the name PR Aur in the list of known variables appended to Table 4, but retain HV 6878 together with its aliases in the main body of that table. Hoffleit found HV 6878 itself to be of relatively small amplitude (range 14.9 - 15.6 pg).

Kurochkin studied 43 variable stars on plates taken between 1895 and 1951 at Moscow and Tashkent Observatories, among them one which he identified as CSV 100436 (= NSV 01812), which actually lies 3'.4 south-southeast of the unnumbered suspected variable Hoffleit listed at $04^h57^m26^s$, $+32^\circ52'6$ (1900) in her Table II. Kurochkin considered his star a likely eclipsing variable of very small amplitude, and listed seven putative times of minimum; this is the source of the tentative classification (E:) in the New Catalog of Suspected Variables. In Table 4, Hoffleit's star is listed in the main body as NSV 01812, but now of indeterminate type, while Kurochkin's suspected variable appears in the appended list of known variables as 'Kur sv'. Hoffleit found her suspected variable to be of very small and uncertain amplitude (12.9 - 13.2 pg).

Table 5: Milky Way Field 239

Milky Way Field 239 straddles the boundary between the constellations of Centaurus, to the north, and Lupus, to the south. Hoffleit (1936) announced the discovery in this field of 107 new variable stars (HV 7375-7481), plus the rediscovery of another 16 previously announced by Luyten (1933, 1935) when he was at Harvard. Kazanymas (1964), and later Tsesevich & Kazanymas (1971), published finding charts for most of these variables, but while we can now confirm that these charts are accurate, they are not always adequate

for identifying unambiguously the variables in question. Apart from a follow-up study of these variables by McLeod & Swope (1941), they have nearly all languished in obscurity.

Table 5 lists coordinates and identifications for the 107 variable stars found in Table I of the discovery paper, followed by the 16 variable stars previously discovered by Luyten, from Hoffleit's Table II. As in Tables 1-4, a list of 13 previously known variables in this same field is appended to Table 5. These appended variables are drawn from Prager's (1935) catalog, in those cases in which they had already been assigned names according to standard variable star nomenclature, but with the additions of AO Cen (Cannon 1921), omitted from Prager's catalog, and of other objects suspected but not yet named at the time, drawn from discoveries by Luyten (1933, 1935).

Of the discovery positions published in 1936, none are in error by more than two arcminutes. However, a clerical error in preparation of Hoffleit's original paper led to the positions of HV 7441 (= DY Lup) and HV 7442 (= DZ Lup) being exchanged, as they are also on the charts by Kazanasmas (1964) and Tsesevich & Kazanasmas (1971). The types, ranges, and ephemerides of these two variables remain unchanged.

IRAS 14402-4049 appears coincident with the putative RR Lyrae variable V642 Cen. However, a more likely optical counterpart to this IRAS source may be the bright ($V = 8.00$) F5V star HD 129364, which lies just outside the IRAS 99% confidence ellipse.

The authors are indebted to Harvard College Observatory for use of their plate archive, to the Space Telescope Science Institute for use of its online Digitized Sky Survey, and to CDS Strasbourg for use of the SIMBAD facility. We also thank Nikolai Samus' and the variable star bureau at the Sternberg State Astronomical Institute for timely and helpful advice on resolving nomenclature and identification conflicts which came to light during this work. We are also indebted to the following libraries for use of their facilities: University of Illinois at Urbana-Champaign, United States Naval Observatory, Space Telescope Science Institute, NASA Goddard Space Flight Center, University of Cambridge Institute of Astronomy, Mt. Stromlo Observatory, Harvard College Observatory, and Lick Observatory. RFW thanks David Monet for copies of the USNO-A1.0 and USNO-A2.0 catalogs, and the Two Micron All-Sky Survey (2MASS) for a copy of the Second Incremental Data Release. This work was supported in part by NSF grant AST-9618462 to the University of Illinois.

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Table 1: Positions and identifications in MWF 167

GCVS	HV	GSC	RA(J2000)	Dec(J2000)	IRAS	Type	Charts
AF Cen		8656-02748	13 04 07.555	-56 20 14.60	13011-5604	M	18
BL Cen	4637	8652-02168	13 06 31.954	-55 34 52.39	13035-5518	M	
CO Cen	4717		13 07 26.512	-55 55 27.39		M	14 19
CP Cen	4718		13 07 42.171	-56 31 48.53	13046-5615	S:	14 19
CQ Cen	4719	8653-00173	13 08 03.401	-55 29 18.24		E/SD:	13
CR Cen	4720		13 09 51.562	-57 42 12.10	13067-5726	M	2 14 19
CS Cen	4721		13 09 54.563	-56 58 34.74	13068-5642	M	2 14 19
CT Cen	4722	8661-00660	13 10 42.949	-58 16 39.38		EA*	2 18
CU Cen	4723	8657-01216	13 10 56.326	-56 47 29.44		E:	14 19
CV Cen	4724		13 11 42.565	-56 59 48.26	13086-5643	SR	14 19
CW Cen	4725	8653-00800	13 11 55.442	-55 04 58.19	13088-5449	S:	14 19
CX Cen	4726	8657-01359	13 12 14.909	-56 59 21.70		E/SD	2 13
CY Cen	4727	8649-01090	13 12 12.995	-52 52 52.36		EA*	14 19
CZ Cen	4728	8649-00140	13 12 42.056	-52 31 04.03	13096-5215	SR	14 19
DD Cen	4729	8653-01662*	13 12 59.940	-55 21 21.79	13099-5505	S:	14 19
DE Cen	4730	8649-01139	13 13 02.539	-53 13 13.33		E/SD:	14 19
DF Cen	4731	8657-01118	13 13 12.754	-57 08 49.42		L	2 14 18 19
DG Cen	4732		13 13 10.244	-51 12 53.23	13101-5056	M	14 19
DH Cen	4733	8255-02002	13 13 21.626	-49 17 36.89		E	
DI Cen	4734	8653-01037	13 15 09.662	-55 58 07.39		EA*	13
BM Cen	4638		13 17 38.440	-56 17 09.71		EA*	2 13
DK Cen	4735	8661-00024	13 17 24.412	-58 23 21.76		EA*	2 13
DL Cen	4736	8657-01410	13 17 37.044	-56 48 32.80	13145-5632	RR	14 19
BN Cen	4639		13 18 40.405	-57 35 24.02	S13156-5720	M:	14 19
BO Cen	4640		13 18 39.703	-54 04 46.11		M	14 19
BP Cen	4641	8256-01469	13 19 08.686	-49 55 04.74		EA*	14* 19*
DM Cen	4737		13 19 30.098	-54 22 23.57		SR	
DN Cen	4738	8670-02025	13 20 22.130	-58 02 08.81		EB*	2 19 21
DO Cen	4739		13 20 10.011	-50 47 58.17		RR:	
BQ Cen	4642	8256-01141	13 20 27.913	-50 37 20.52		S:	14 19
DP Cen	4740	8260-00399*	13 20 38.362:	-52 09 30.43:		E/SD:	14 19
DR Cen	4741		13 21 09.312:	-52 07 58.36:	13181-5152	M	14 19
DQ Cen	4742	8674-03074	13 21 19.865	-58 11 15.50	13181-5755?	S:	
DS Cen	4743		13 21 40.885	-50 17 26.14		RR	
DT Cen	4744	8666-01289	13 22 52.978	-54 51 58.21	13197-5436		
DU Cen	4745		13 23 39.952	-55 29 39.02		E/SD:	
DV Cen	4746	8662-01937	13 24 19.222	-53 29 07.44		E	14 19
DW Cen	4747		13 24 25.888	-52 41 44.68		RR	
BR Cen	4643	8260-00741	13 24 39.437	-52 20 01.21	13215-5204	SR	14 19
BS Cen	4644		13 24 47.539	-57 05 25.97		RRAB	2 13 14 19
DX Cen	4748		13 25 28.798	-55 35 47.10	13223-5520		
DY Cen	4749	8662-01814	13 25 34.013	-54 14 43.55	13224-5359	RCB	1 14 18 19 23
DZ Cen	4750		13 25 46.559	-50 40 40.42		SR	
EE Cen	4751	8670-01851	13 27 15.676	-57 58 14.48	13240-5742	SR	14 19
BT Cen	4645		13 27 09.335	-53 59 09.64		RR:	14 19
EF Cen	4752		13 27 18.534	-54 54 04.58		RR:	
EG Cen	4753		13 27 36.783	-51 21 11.64	13245-5105?	M	
EH Cen	4754	8666-00627	13 29 03.929	-54 44 57.08		E*	4 13
EI Cen	4755		13 29 40.578	-55 04 47.67		E*	4 13
EK Cen	4756		13 29 49.095	-58 04 31.93	13265-5749	M:	19
BU Cen	4646	8256-01243	13 29 36.715	-50 00 05.80	F13265-4944	RV:	14 19
EL Cen	4757	8670-00807	13 30 25.222	-56 54 52.56		E	19
EM Cen	4758		13 30 12.821	-49 47 28.83		RRAB	
EN Cen	4759	8666-00104*	13 30 32.016:	-55 08 14.32:		E/SD:	4
EO Cen	4760	8674-00892	13 31 42.524	-58 23 36.84		EA*	13
EP Cen	4761	8670-00160	13 31 46.044	-57 33 46.05		EA*	13
BV Cen	4647	8666-00998	13 31 19.493	-54 58 33.89		UG*	1 4 6 7 11 14 15 18 19 22
EQ Cen	4762	8662-00075	13 32 17.398	-52 32 19.10		RRC	
BW Cen	4648		13 33 01.737	-50 48 44.70	13299-5033	M	14 19

Table 1: Positions and identifications in MWF 167

GCVS	HV	GSC	RA(J2000)	Dec(J2000)	IRAS	Type	Charts
ER Cen	4763	8667-02132	13 33 23.246	-55 31 50.61	13301-5516	RR:	
ES Cen	4764		13 33 25.877	-51 52 22.74	13303-5137	M	
BX Cen	4649		13 33 43.946	-50 50 42.97	F13306-5035?	M	14 19
BY Cen	4650		13 33 47.562	-51 15 08.78		M:	
ET Cen	4765	8671-00828	13 34 59.894	-56 51 34.88	13317-5636	M	14 19
EU Cen	4766		13 34 52.748	-51 29 32.00	13317-5114	S:	
BZ Cen	4651		13 36 29.740	-50 51 23.20		RRAB	
EV Cen	4767	8663-01152	13 36 00.424	-53 25 59.50	13328-5310	S:	3
CC Cen	4652	8663-02093	13 37 13.910	-53 43 14.05		M	3
CD Cen	4653		13 37 21.302	-53 48 55.04	13341-5333	M	1 3 14 18 19
CE Cen	4654		13 37 25.498	-53 36 33.34	13342-5321	M:	3 14 19
EW Cen	4768		13 37 42.583	-52 22 10.20		RR:	
EX Cen	4769		13 38 17.481	-56 00 39.85	13350-5545	M:	
EY Cen	4770	8269-02943*	13 39 16.628	-49 24 58.23		SR	
FF Cen	4771		13 39 46.607	-50 14 58.44	13366-4959		
EZ Cen	4772	8273-01538*	13 39 50.394:	-51 11 00.85:		RRC	
FG Cen	4773		13 40 06.629	-50 17 22.08		RRAB	14 19
FH Cen	4774		13 40 44.207	-51 40 42.87	F13375-5125	M	
CF Cen	4655	8663-01798	13 40 57.850	-52 44 28.61	13377-5229	M:	
FI Cen	4775		13 41 01.050	-52 30 51.25	13378-5215	S:	
FK Cen	4776		13 41 52.950	-56 26 40.92		EA*	13
FL Cen	4777		13 41 51.530	-50 32 41.57	13387-5017	RR:	
FM Cen	4778		13 42 22.204	-50 01 01.16		M:	
FN Cen	4779	8274-01736	13 42 35.503	-51 21 29.56	13394-5106	S:	
FO Cen	4780		13 43 01.981	-52 03 44.92		S:	
FP Cen	4781		13 43 30.725	-52 52 41.04		S:	
FQ Cen	4782		13 43 33.905	-50 24 45.06		RRAB	
FR Cen	4783		13 43 35.301	-49 40 20.71		RR	
CG Cen	4656		13 43 58.816	-55 19 43.10		S:	14 19 20
FS Cen	4784		13 44 07.073	-51 52 08.50		RR	
FT Cen	4785		13 44 17.375	-51 44 00.88		RR	
CH Cen	4657		13 44 33.272	-55 04 15.04		S:	14 19
FU Cen	4786		13 44 40.529	-51 07 02.26		S:	
CI Cen	4658	8270-01156	13 44 41.251	-50 05 01.54		SR	
FV Cen	4787		13 45 05.410	-56 31 39.61		L	
FW Cen	4788	8671-01394	13 45 23.549	-56 21 53.93		E	
FX Cen	4789		13 45 21.386	-53 33 15.70		RR	
FY Cen	4790		13 45 28.463	-52 05 11.78			
FZ Cen	4791		13 46 05.073	-51 52 20.36	F13429-5137	S:	
GG Cen	4792		13 46 01.885	-50 16 07.55		RR:	
GH Cen	4793		13 46 16.782	-51 35 50.66		RR	
GI Cen	4794		13 46 21.089	-51 20 03.23		S:	9 10 17
GK Cen	4795	8270-01131	13 46 20.891	-49 35 50.80		RRAB	
GL Cen	4796		13 47 01.470	-50 50 31.79			
GM Cen	4797	8672-00319	13 47 26.238	-57 26 25.14		S:	19
GN Cen	4798		13 47 09.563	-51 45 46.04		S:	19
GO Cen	4799		13 47 28.245	-50 37 25.14		RR:	
CK Cen	4659	8672-01508	13 47 49.805	-57 42 12.33	13444-5727	M	14 19
GP Cen	4800		13 47 32.715	-50 57 53.10		E:	
CL Cen	4660	8668-01125	13 48 55.121	-55 07 25.14	13456-5452	SR	19*
GQ Cen	4801		13 48 03.795	-52 10 21.91		S:	
GR Cen	4802		13 48 25.676	-51 05 29.08		RR	
GS Cen	4803	8274-00209	13 49 15.571	-50 58 47.32	F13460-5043	M:	14 19
GT Cen	4804		13 49 24.993	-51 00 28.20			14 19
GU Cen	4805		13 49 57.321	-50 48 13.17	13467-5033	RR	
GV Cen	4806	USNO-A1.0	13 50 26.661	-54 34 24.78	13471-5419	L	19*
GW Cen	4807	8270-02295	13 50 22.121	-49 17 41.37		RR	14 19
GX Cen	4808	8672-01793*	13 50 54.584	-57 40 23.25		EA*	13
CM Cen	4661	8668-01148	13 51 02.441	-55 33 20.16	13477-5518	M	14 16 19
GY Cen	4809	8274-02238	13 51 03.444	-51 02 06.76		E/SD:	

Table 1: Positions and identifications in MWF 167

GCVS	HV	GSC	RA(J2000)	Dec(J2000)	IRAS	Type	Charts
GZ Cen	4810	8664-01247*	13 51 26.189	-54 01 57.74	13481-5347	S:	
HH Cen	4811	8664-01576	13 51 31.541	-52 30 08.71	13483-5215	S:	
HI Cen	4812		13 51 33.043	-52 06 00.85		RRAB	
HK Cen	4813	8274-02338	13 51 30.398	-51 13 52.68		E/SD:	14 19
HL Cen	4814		13 51 36.182	-51 25 10.57		RR:	
HM Cen	4815		13 51 42.972	-52 13 38.33		M:	
AU Cen	3722	8274-02105	13 51 57.866	-52 22 39.14	13487-5207	M	14 19
HN Cen	4816		13 52 16.796	-51 06 38.95		RR	
HO Cen	4817		13 52 25.734	-51 34 48.59		S:	
HP Cen	4818		13 52 29.478	-51 29 36.64		RRAB	14 19
HQ Cen	4819	8672-02743	13 52 51.230	-56 29 22.60		S:	
HR Cen	4820		13 52 43.152	-51 38 51.70		RR	
HS Cen	4821		13 52 44.520	-52 32 15.81	13495-5217	L:	14 19
HT Cen	4822		13 53 03.308	-51 06 21.72		RRAB	14 19
HU Cen	4823	8271-00285	13 53 35.894	-50 33 03.10		S:	
HV Cen	4824	8672-02248	13 53 57.391	-56 42 47.38		SR	
HW Cen	4825		13 54 17.846	-50 47 58.21		S:	
HX Cen	4826		13 54 57.077	-51 47 14.72	13517-5132	E:	
HY Cen	4827	8672-02649	13 56 55.685	-56 55 28.27	13535-5640	M	
HZ Cen	4828	8664-01500	13 57 10.268	-53 19 09.62		S:	
II Cen	4829		13 57 41.865	-55 52 51.33		E	
IK Cen	4830	8664-00877	13 57 36.586	-52 51 24.62		M:	
IL Cen	4831	8275-00336	13 57 50.584	-52 17 04.36	13545-5202	S:	
IM Cen	4832	8668-00738	13 58 23.486	-55 53 50.46		SR:	
IN Cen	4833	8275-01175	13 59 14.462	-52 10 43.23		E/SD:	
IO Cen	4834		13 59 37.876	-56 08 55.14		M:	
IP Cen	4835	8669-00125	14 00 25.238	-55 40 11.71	13570-5525	M	
IR Cen	4836		14 00 20.338	-52 39 10.13		M:	
IQ Cen	4837	8665-00060	14 00 34.363	-54 16 15.85		EA*	13
IS Cen	4838		14 01 51.718	-55 26 47.30		E	
IT Cen	4839	8669-00814	14 02 54.167	-55 57 36.54		RR	
IU Cen	4840	8673-02093*	14 07 30.980	-56 41 55.13		CEP	13
Known variables (Prager 1929)							
AG Cen†		8662-01661	13 31 30.149	-54 18 26.96		CST	
RV Cen	91	8671-01707	13 37 36.104	-56 28 35.74	13343-5613	M	5 8 12 18
XX Cen	1301	8671-00086	13 40 18.634	-57 36 47.65	13369-5721	DCEP	8 18
AH Cen†						CST	
AI Cen†		8672-02846	13 54 42.410	-56 24 51.30		CST	

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REMARKS to Table 1:

- RV Cen = HD 118322 (Nb) = CPD -55°5650 = CoD -55°5254 = He 3-919 = HIP 66466 = PPM 770881
 XX Cen = HD 118769 (G5) = CPD -56°5865 = CoD -56°5061 = 189.1906 = GC 18463 = HIP 66696
 = MSX5C G309.4615+04.6361 = PPM 342137 = SAO 241049
 AF Cen = 49.1920
 AG Cen = CPD -53°5652 = CoD -53°5192 = 50.1920
 AH Cen = 51.1920
 AI Cen = 52.1920
 AU Cen. There is a companion, slightly fainter on GSS (SERC-J) plate 01F7, at $\rho = 6''.98$, $\theta = 89^\circ$.
 BL Cen = V694 Cen = vG 89. Declination in HB 874 is in error by +10'.
 BM Cen. Type EA/SD. Right Ascension in HB 874 is in error by -1^m.
 BP Cen = CoD -49°7809 = CPD -49°5937. Type EA/SD. Kazanasmas (1964) and Tsesевич & Kazanasmas (1971) both mark two different stars on their charts; BP Cen is the northern star of the two.
 BQ Cen = CPD -49°5965
 BR Cen = CoD -51°7493 = 2MASS J1324394-522000 = 2MASS J1324394-521959 = IRAS F13215-5204
 BT Cen = 2MASS J1327094-535909
 BU Cen = CoD -49°7970 = CPD -49°6125 = 2MASS J1329367-500005
 BV Cen = 1ES 1328-54.7 = 1RXS J133118.6-545832 = 2E 1328.1-5442. Type UGSS+E/WD.
 BW Cen = IRAS F13299-5033? Bright on DSS2 (UK Schmidt IIIaF) plate A210.
 BZ Cen. Right Ascension in HB 874 is in error by -1^m.
 CD Cen. Absent from USNO-A2.0.
 CF Cen = GSC 8663-01385 (image classified non-stellar).
 CG Cen = PK 310 + 6°1 = Wray 16-134
 CH Cen. There is a fainter close companion at $\rho = 2''.26$, $\theta = 42^\circ$ on GSS (SERC-V) plate 06AI.
 CK Cen = MSX5C G310.4310+04.3440
 CL Cen. Right Ascension in HB 874 is in error by -1^m. The chart by Tsesевич & Kazanasmas is inverted, and the field twice the dimensions indicated.
 CR Cen. Absent from USNO-A1.0.
 CS Cen. GSC image classified nonstellar. Absent from both USNO-A1.0 and USNO-A2.0.
 USNO-A1.0 0300-17774361 is a companion, fainter on GSS (SERC-V) plate 0615, at $\rho = 2''.05$, $\theta = 311^\circ.9$.
 CT Cen = HD 114297 (A3) = CoD -57°4891 = CPD -57°5924 = SA 194-1339. Type EA/DS.
 CY Cen. Type EA/SD.
 CZ Cen = IRAS F13096-5215
 DD Cen. GSC image classified nonstellar. There is a companion, fainter on GSS (SERC-V) plate 0615, at approximately $\rho = 4''.5$, $\theta = 224^\circ$.
 DG Cen = He 3-875 = IRAS F13101-5057. Image appears slightly elongated; probably a close double.
 DI Cen. Type EA/DM. Absent from USNO-A2.0.
 DK Cen. Type EA/DS.
 DN Cen. Type EB/SD.
 DP Cen. GSC images, classified nonstellar, refer (as do the USNO-A1.0 and USNO-A2.0 positions) to the light center of a close, blended double with nearly equal components. It is unclear which component is variable. An estimated position for the preceding component is listed in Table 1, with the companion at roughly $\rho = 3''.3$, $\theta = 55^\circ$.
 DQ Cen = MSX5C G306.8746+04.4543
 DR Cen. The USNO-A1.0 and USNO-A2.0 positions refer to the light center of a close, blended double. It is unclear which component is variable.
 An estimated position of the slightly brighter, south-preceding component is listed in Table 1, with its companion at approximately $\rho = 2''.5$, $\theta = 45^\circ$.
 DV Cen = 2MASS J1324193-532906
 DW Cen = 2MASS J1324259-524144
 DZ Cen = 2MASS J1325465-504040
 EE Cen = CSS 821 = MSX5C G307.6820+04.5696

- EG Cen = 2MASS J1327367-512111 = IRAS F13245-5105
- EH Cen. Type E/SD.
- EI Cen. Type E/SD.
- EK Cen = MSX5C G308.0031+04.4169
- EN Cen. GSC image, classified nonstellar, refers (as do the USNO-A1.0 and USNO-A2.0 positions) to the light center of a close, blended double with slightly unequal components. We tentatively identify the preceding component, with position estimate in Table 1, as the variable. Its companion, slightly fainter on GSS (SERC-V) plate 0615, lies at approximately $\rho = 1''.0$, $\theta = 17^\circ$.
- EO Cen = CoD -57°5052 = CPD -57°6101 = BV 512 = NSV 06286. Type EA/DS.
- EP Cen = CoD -56°4995. Type EA/SD.
- ES Cen = IRAS F13303-5136
- EX Cen. Absent from both USNO-A1.0 and USNO-A2.0. USNO-A1.0 0300-19107641 is a close companion, fainter on GSS (SERC-V) plate 06AI, at $\rho = 5''.54$, $\theta = 131^\circ 7$.
- EY Cen. GSC image classified nonstellar.
- EZ Cen. GSC image classified nonstellar; it appears to be a blend (as do the USNO-A1.0 and USNO-A2.0 positions) with a fainter close companion at approximately $\rho = 3''.8$, $\theta = 340^\circ$.
- FF Cen = IRAS F13366-4959
- FK Cen. Type EA/SD.
- FL Cen = IRAS F13387-5017
- FN Cen = IRAS F13394-5106
- FY Cen. Image appears elongated. An unresolved double?
- GI Cen = NGC 5286-V1. Type RRab, Max = HJD 2442937.495 + 0.63589 E (Liller, M.H. & Lichten, S.M. 1978, *Astr. J.*, **83**, 41). There is a companion, slightly fainter on GSS (SERC-J) plate 02EX, at $\rho = 4''.99$, $\theta = 235^\circ 2$.
- GK Cen. GSC image classified nonstellar.
- GL Cen. Absent from both USNO-A1.0 and USNO-A2.0. GSC 8274-00687, slightly brighter on GSS (SERC-J) plate 02EX, lies at $\rho = 7''.66$, $\theta = 182^\circ 3$.
- GM Cen = MSX5C G310.4368+04.6102?
- GU Cen = IRAS F13467-5033
- GV Cen. Not visible on GSS (SERC-V) plate 06AI. The chart by Tsesevich & Kazanasmas is inverted.
- GX Cen. Type EA/SD.
- GZ Cen. Absent from both USNO-A1.0 and USNO-A2.0. GSC image classified nonstellar. There is a companion, fainter on GSS (SERC-V) plate 06AI, at approximately $\rho = 3''.4$, $\theta = 308^\circ$.
- HN Cen. GSC 8274-02224, slightly brighter on GSS (SERC-J) plate 01F7, lies at $\rho = 10''.94$, $\theta = 175^\circ 6$.
- HO Cen. Absent from both USNO-A1.0 and USNO-A2.0.
- HV Cen. Identification by W.P. Bidelman and D.J. MacConnell (1998, *Inf. Bull. Var. Stars*, No. 4612) with IRAS 13506-5627 is incorrect.
- IO Cen. Absent from USNO-A1.0.
- IP Cen. Absent from both USNO-A1.0 and USNO-A2.0.
- IQ Cen. Type EA/SD.
- IR Cen. There is a companion, slightly fainter on GSS (SERC-J) plate 01F7, at $\rho = 4''.59$, $\theta = 7^\circ 7$.
- IU Cen. GSC images classified nonstellar.

Table 2: Positions and identifications in MWF 175

GCVS	HV	GSC	RA(J2000)	Dec(J2000)	IRAS	Type	Charts
RX TrA	5133	9022-01027*	15 33 52.713	-60 49 59.68	15297-6040	M	13 22
RY TrA	5134		15 34 41.175	-61 29 46.13	15305-6119	M	13 22
RZ TrA	5135		15 38 39.763	-60 47 25.60		E/SD:	22
SS TrA	5136	9022-01335	15 39 21.790	-60 53 38.50		EA*	13 19 22
ST TrA	5137		15 39 36.857	-60 35 23.09		SR:	13 22*
WX Nor	5138	8708-01801	15 40 41.813	-58 32 16.66		EA*	16*
WY Nor	5139		15 41 49.094	-58 20 45.08		RR	13 22
WZ Nor	5140	8708-02587	15 41 56.918	-59 08 11.69		EA*	16*
SU TrA	5141	9027-02541	15 43 31.061	-62 47 34.72		S:	13 22
XX Nor	5142		15 43 09.427	-58 23 10.98	15390-5813	M:	22
XY Nor	5143	8708-01342	15 43 17.398	-58 19 27.70		EA*	17 22
SV TrA	5144		15 44 29.082	-61 08 54.52		S:	
SW TrA	5145	9027-01277	15 45 13.606	-62 10 41.48	15408-6201	RR:	13 22
SX TrA	5146		15 46 05.361	-60 40 34.73		E/SD:	13 22
SY TrA	5147	9027-03263	15 46 44.686	-62 00 23.74	15424-6151?		22
XZ Nor	5148	8708-01448*	15 46 33.664	-59 41 29.02	15424-5932	M:	13 22
YY Nor	5149	8705-01949	15 47 58.510	-57 24 42.05		EA*	15
SZ TrA	5150		15 48 57.095:	-63 36 39.07:		S:	22
YZ Nor	5151		15 48 37.832	-60 00 54.14		RR	13 22
TT TrA	5152	9027-03751*	15 49 17.328:	-62 56 11.69:		RR:	21 22
ZZ Nor	5153	8709-01629	15 48 48.766	-58 48 27.36	15447-5839	L:	13 22
AA Nor	5154	8705-01858*	15 49 26.189	-57 39 43.39		CEP	16
TU TrA	5155		15 50 07.395	-61 16 37.38	15458-6107	RR:	
TV TrA	5156		15 50 43.807	-61 39 54.48	15463-6130?	RR:	22
TW TrA	5157		15 51 26.231	-63 42 20.94	15470-6333?	SR	13 22
AC Nor	5158	8709-02515	15 51 29.712	-59 25 48.79		EA*	16
TX TrA	5159	9027-05702	15 52 01.272	-62 31 59.74	15476-6223	M	22
TY TrA	5160		15 52 22.719	-63 00 21.85		RR	13 22
AD Nor	5161	8709-02778	15 51 58.711	-59 52 28.74	15478-5943	S:	22
TZ TrA	5162	9027-04927	15 52 26.249	-62 35 33.79	15480-6226	M	13 22
UU TrA	5163	9031-00359	15 53 06.791	-63 49 33.67	15486-6340	S:	22
UV TrA	5164		15 52 56.689	-61 14 36.00	15486-6105	S:	13 22
AF Nor	5165	8705-03082	15 52 38.054	-56 38 31.38	S15487-5629	S:	13 22
AG Nor	5166	8705-02542	15 52 37.699	-56 54 00.22	15486-5645	RRAB	13 22
UW TrA	5167	9027-05109	15 53 42.050	-62 39 18.65	15493-6230	S:	13 22
AK Nor	5168		15 54 07.995	-59 14 09.28	15500-5905	M:	
AL Nor	5169	8709-03215	15 54 22.841	-59 57 42.88	15501-5948	M	22
UX TrA	5170	9027-05683	15 54 53.309	-62 51 45.04		S:	13 22
UY TrA	5171		15 55 18.663	-62 05 38.04		RR	13 22
AM Nor	5172	8709-02149	15 55 09.286	-59 54 01.76	15509-5945	S:	22
AN Nor	5173		15 55 09.209	-59 52 00.33	15509-5943	M	22
UZ TrA	5174		15 56 28.264	-64 00 07.03		RR	22
VV TrA	5175		15 56 07.359	-60 25 18.98		RR:	13 22
AO Nor	5176	8709-01271	15 56 06.166	-59 36 34.38	15519-5927	S:	13 22
AP Nor	5177	8709-02881	15 56 07.238	-59 05 19.97	15519-5856	S:	22
VW TrA	5178	9031-04389	15 57 33.108:	-64 52 54.12:	15529-6444	S:	22
AQ Nor	5179		15 56 54.987	-59 31 15.95		S:	13 22
AR Nor	5180	9023-00791	15 57 08.806	-60 04 51.78		S:	22
VX TrA	5181	9023-00788	15 57 53.028	-61 09 04.75	15535-6100	S:	22
VY TrA	5182		15 58 31.944	-61 41 20.04		S:	
AT Nor	5183		15 58 04.938	-57 32 05.31		EA*	16
AV Nor	5184	USNO-A1.0	15 58 23.137	-57 50 15.26	15543-5741		13 22
VZ TrA	5185	9027-04218	15 59 08.068	-62 57 25.36		RR	13 22
WW TrA	5186	USNO-A1.0	15 59 01.085	-61 31 53.57	15546-6123	M:	13 22
AW Nor	5187		15 59 10.993	-60 05 21.17	15549-5956	M	13 22
AX Nor	5188		15 59 15.673	-59 06 35.02	15550-5857	RR:	22*
WX TrA	5189	9036-03681	16 00 42.787	-61 21 53.17	15564-6113	S:	
AZ Nor	5190		16 00 23.482	-58 52 27.73	15562-5843	M	22
WY TrA	5191		16 01 00.502	-61 47 11.20	15566-6138	M	13 22
WZ TrA	5192	9044-02629*	16 01 38.813	-65 00 23.17		E/SD:	22

Table 2: Positions and identifications in MWF 175

GCVS	HV	GSC	RA(J2000)	Dec(J2000)	IRAS	Type	Charts
BB Nor	5193		16 00 48.010:	-59 02 57.65:		M:	22
XX TrA	5194		16 01 49.204	-63 26 39.33		SR:	22
XY TrA	5195		16 02 52.542:	-64 13 56.55:		E	13 22
XZ TrA	5196		16 02 23.067	-61 00 11.13		M:	13 22
BE Nor	5197		16 02 15.295	-58 00 15.19		EA*	16
BF Nor	5198		16 02 42.061	-59 50 50.33		S:	22
BG Nor	5199		16 02 59.792	-59 32 51.76		E	13 22
BH Nor	5200	8722-01676*	16 03 02.598	-58 23 03.83		EW*	16
YY TrA	5201	USNO-A1.0	16 03 34.265:	-61 37 43.74:		SR:	13 22
YZ TrA	5202		16 05 10.027	-63 18 26.32	16007-6310	M:	22
ZZ TrA	5203		16 05 18.373	-64 05 53.46		SR	22
BK Nor	5204	8722-02292*	16 05 07.235	-58 45 31.41	16009-5837	S:	22
AA TrA	5205	9036-01005	16 05 40.312	-61 36 16.27			13 22
AB TrA	5206		16 06 03.291	-61 43 50.26		SR:	22
BL Nor	5207		16 06 07.952	-59 37 49.74	16019-5929	SR	13 22
BM Nor	5208	8722-02165	16 06 17.345	-59 44 54.35	16020-5936	M	13 22
BN Nor	5209	8722-02960	16 06 29.450	-58 49 16.07			13 22
BO Nor	5210	8722-03261	16 06 48.185	-59 34 04.26	16025-5926	S:	13 22
BP Nor	5211		16 07 00.322	-59 48 28.78	16027-5940	L:	
AC TrA	5212		16 07 56.013	-64 25 04.81		S:	13 22
BQ Nor	5213	USNO-A1.0	16 07 07.089	-58 41 16.27			13 22
BR Nor	5214		16 07 12.988	-59 02 52.83		S:	13 22
BS Nor	5215		16 07 45.884	-59 14 02.36		SR:	
BT Nor	5216	8722-01023	16 07 55.450	-58 46 55.88		S:	13 22
AD TrA	5217	9036-00167*	16 08 25.037	-61 40 07.77		E/SD:	13 22
BU Nor	5218	8718-02761	16 08 03.118	-57 24 11.59		S:	
BV Nor	5219	8718-02061	16 08 04.433	-56 27 14.04	16040-5619		
BW Nor	5220	9036-03158	16 08 35.597	-60 10 10.06		E/SD:	13 22
AE TrA	5221		16 09 41.421	-64 45 29.28		RR	13 22
AF TrA	5222		16 08 58.850	-60 20 41.88		RR:	13 22
BX Nor	5223		16 08 44.050	-57 44 16.77	16046-5736	M:	13 22
AG TrA	5224	9036-02239	16 09 37.519	-60 27 50.69	16053-6020	M:	13 22
BY Nor	5225		16 10 22.905	-59 42 39.05		RRAB	15
BZ Nor	5226	8722-00298	16 10 25.938	-58 57 29.32	16062-5849	RR	
AH TrA	5227	9040-00632	16 10 59.890:	-62 31 01.27:		E/SD:	22
AI TrA	5228		16 10 49.217	-60 32 27.17		RR:	
CC Nor	5229	8718-00170	16 10 43.612	-57 38 23.55	16066-5730	S:	13 22
CD Nor	5230	8718-00202	16 10 53.788	-57 32 50.94	16067-5725	M	13 22
CE Nor	5231	9036-01042	16 11 13.241	-60 02 20.32		EA*	15
AK TrA	5232		16 11 37.443	-62 31 44.57		M:	22
CG Nor	5233		16 11 15.582	-58 15 39.31		S:	22
CF Nor	5234		16 11 30.793	-60 07 53.98		RR	
AL TrA	5235		16 12 01.894	-61 42 32.88	16076-6134	SR	13 22
CH Nor	5236		16 11 24.990	-56 39 09.84		E/SD	22
AM TrA	5237	9044-00421*	16 12 35.894	-64 38 36.91	16079-6431		
AN TrA	5238		16 12 32.540	-63 33 53.70		M	
CI Nor	5239		16 12 13.359	-60 04 22.57		RR	22
AO TrA	5240	9040-04747*	16 12 42.831	-62 52 56.20		SR	
AP TrA	5241		16 12 41.441	-61 17 20.35		RRAB	13 22
CK Nor	5242	8722-02554	16 12 19.903	-58 09 17.28		M:	13 22
CL Nor	5243	8718-00129	16 12 39.135	-57 58 12.77		EA*	3 16
CM Nor	5244	8722-01018*	16 12 50.346	-58 24 39.36		EA*	3 16
AQ TrA	5245		16 13 37.479	-63 41 47.09		S:	
AR TrA	5246	9040-04267	16 13 59.830	-62 29 34.13		E	22
AS TrA†	5247		16 13 35.093	-60 13 15.49		E*	
Y TrA	2965	9040-01192	16 14 09.245	-62 05 46.18	16097-6158	M	22
AT TrA	5248		16 14 12.224	-62 26 46.35		RR	
CN Nor	5249	8723-00048*	16 13 44.662	-58 30 40.89		SR	5 22
CO Nor	5250		16 14 04.354	-58 55 39.77	16098-5848	SR	13 22
CP Nor	5251	8723-02059	16 14 04.049	-58 18 21.67		EA*	3 15

Table 2: Positions and identifications in MWF 175

GCVS	HV	GSC	RA(J2000)	Dec(J2000)	IRAS	Type	Charts
AU TrA	5252		16 14 39.246	-61 56 00.57		RR	
CQ Nor	5253	8719-02588	16 14 10.219:	-57 30 35.35:	16100-5722	M:	
CR Nor	5254		16 14 17.613	-58 34 43.58	16100-5827	M	
CS Nor	5255	9036-02882	16 15 03.432	-60 10 42.10	16107-6003?	M	3 22
AV TrA	5256		16 15 55.123	-64 51 10.03		RR	
AW TrA	5257		16 15 58.526	-63 14 13.98		RRAB	13 22
AX TrA	5258		16 15 48.367	-61 58 52.67	16113-6151		
CT Nor	5259	8719-01171	16 15 23.878	-58 06 51.48	16112-5759	S:	22
CU Nor	5260	8719-02354	16 15 14.611	-56 43 31.51		M:	13 22
CV Nor	5261	8719-01491	16 15 22.194	-57 31 53.78		E	
NSV 07552	5262		16 15 36.795	-59 23 58.26			
CW Nor	5263		16 15 23.572	-56 19 39.66	16113-5612	SR	22
AY TrA	5264	9040-03233*	16 16 26.435	-63 02 39.65		E:	
CX Nor	5265		16 15 41.980	-57 22 21.28		E*	16 22
AZ TrA	5266	9040-01165	16 16 27.509	-62 42 23.83		E	
CY Nor	5267		16 16 03.340	-59 53 45.05	16118-5946	SR	12 13 22
CZ Nor	5268		16 16 00.684	-56 58 38.07	16119-5651	M	
DD Nor	5269		16 16 28.038	-60 15 30.91	16121-6008	M:	13 22
DE Nor	5270	8723-01545	16 16 25.796	-59 07 04.98	16122-5859?	S:	3 22
BB TrA	5271		16 16 43.688	-60 45 20.58		M:	12 22
DF Nor	5272		16 16 33.199	-59 08 53.92		RR	13 22
DG Nor	5273		16 16 27.791	-58 16 06.52		S:	13 22
DH Nor	5274	8719-01901	16 16 21.912	-56 37 48.09		I	13 22
DI Nor	5275		16 16 43.283	-59 07 32.98		RR:	
DK Nor	5276		16 16 33.464	-56 33 04.23	16124-5625	M:	22
BC TrA	5277	9041-00380	16 17 30.078	-62 04 59.41		RRAB	
DL Nor	5278	8723-01724	16 17 20.959	-59 25 50.88	16131-5918		3 13 22
DM Nor	5279	8723-01105	16 17 40.778	-58 47 32.82	16134-5840	M	3 13 22
BD TrA	5280		16 18 06.859	-60 57 58.11		SR	
DN Nor	5281		16 17 36.191	-56 19 00.19	16135-5611	L:	13 22
BE TrA	5282	9045-01040*	16 19 01.715	-64 57 46.40	16143-6450	SR:	2 13 22
BF TrA	5283	9041-02377	16 18 48.514	-62 25 47.75	16143-6218	S:	13 22
DO Nor	5284		16 18 11.143	-57 34 52.31		EA*	12 16
BG TrA	5285		16 18 54.887	-61 06 45.03			
BH TrA	5286	9037-02582	16 19 07.034	-61 22 06.85		RR	12
DP Nor	5287	9037-00027	16 18 56.729	-60 18 25.16		S:	22
DQ Nor	5288	8723-00735	16 18 55.133	-59 45 56.66		S:	3 13 22
BI TrA	5289		16 19 12.854	-60 54 01.84		RR	13 22
DR Nor	5290		16 18 52.673	-57 43 04.01	16147-5735	M:	13 22
DS Nor	5291	8723-00929	16 19 10.951	-58 48 19.58		SR	3 5
BK TrA	5292		16 19 23.861	-60 44 32.25		RRAB	22
DT Nor	5293	8719-01997	16 19 06.748	-56 42 21.71		S:	13* 22
BL TrA	5294		16 19 58.198	-62 27 45.76	16154-6220	S:	22
BM TrA	5295		16 19 57.340	-61 58 27.12	16155-6151	M	22
DU Nor	5296		16 20 03.624	-60 14 02.24	16157-6006	M	22
BN TrA	5297	9041-02331	16 20 23.866	-62 19 46.27	16159-6212	M	22
DV Nor	5298	8723-01966*	16 20 01.794	-59 24 49.36	16157-5917		3 13 22
DW Nor	5299		16 20 07.611	-59 42 15.81	16158-5935	M	3 13 22
BO TrA	5300	9037-00329	16 20 35.695	-60 39 42.91		S:	13 22
BP TrA	5301		16 20 48.774	-61 14 45.72	16164-6107	M:	12 22
BQ TrA	5302		16 21 24.950	-64 42 16.75		RRAB	22
DX Nor	5303	8723-02012	16 20 35.568	-59 01 16.64		M	3 13 22
BR TrA	5304		16 21 30.833	-63 19 40.60	16169-6312		22
BT TrA	5305	9041-02861	16 21 16.873	-62 26 19.30	16167-6219	S:	13 22
BS TrA	5306		16 21 26.568	-62 59 10.73		SR	
DY Nor	5307	8723-01560	16 21 01.927:	-59 18 32.40:		EA*	3 16
DZ Nor	5308		16 21 17.081	-59 27 17.91	16170-5920	M	3 13 22
EE Nor	5309		16 21 15.563	-59 01 33.07		RR	22
BU TrA	5310		16 21 46.901	-62 13 22.85		M:	13 22
BV TrA	5311	9037-01515	16 21 32.489	-60 31 27.12		RRAB	3

Table 2: Positions and identifications in MWF 175

GCVS	HV	GSC	RA(J2000)	Dec(J2000)	IRAS	Type	Charts
BW TrA	5312		16 21 55.050	-61 17 50.65	16176-6110?	SR:	13 22
EF Nor	5313	8723-00696	16 21 39.238	-58 41 57.19	16174-5834	M:	
EG Nor†	5314	9037-02327	16 22 11.846	-61 15 54.40	16177-6108	S:	3
BX TrA	5315	9037-01334	16 22 03.854	-60 23 03.05		SR:	3 22
EH Nor	5316		16 22 11.352	-60 02 19.86		SR	
BY TrA	5317		16 22 33.913	-60 37 01.74		RR	22
EI Nor	5318		16 22 09.776	-59 36 27.25		RRAB	3 16
EK Nor	5319		16 22 19.975	-59 09 11.74		RRAB	3 16
BZ TrA	5320		16 22 54.724	-62 56 50.76		M	22
EL Nor	5321		16 22 22.004	-58 02 41.22		S:	
CC TrA	5322	9037-00688	16 23 03.473	-61 46 21.32	16185-6139	M	3 12 13 22
EM Nor	5323	8719-01296	16 22 27.116	-56 20 43.31		EW:*	4 16
CD TrA	5324	9045-00673*	16 23 46.938	-63 57 43.77		S:	3 13 22
CE TrA	5325		16 24 47.227	-64 17 39.86		RRAB	
EN Nor	5326		16 23 51.866	-58 36 02.79	16196-5829	S:	13 22
EO Nor	5327	8719-01904	16 23 52.598	-56 47 53.70		EA*	16 22
RT Nor	3284	8723-01591	16 24 18.698	-59 20 38.18	16200-5913	RCB	3 6 8 10 22 23
EP Nor	5328		16 24 36.985	-57 08 57.30			
CF TrA	5329	9041-03151	16 25 32.069	-63 25 49.12	16209-6319	S:	
CG TrA	5330		16 25 28.737	-61 43 57.34	16210-6137	M	22
EQ Nor	5331	8723-00590	16 25 22.207	-58 27 49.64	16211-5820	M	3 22
ER Nor	5332	8723-00641	16 25 43.354	-59 47 34.48		M	3 13 22
CH TrA	5333		16 25 54.999	-60 34 43.89		RR	3
ES Nor	5334		16 25 44.819	-58 43 58.80		E:	22
CI TrA	5335		16 26 22.183	-63 19 00.27		RR	13 22
EU Nor	5336	8723-01502	16 26 22.202	-58 24 16.70		S:	3 22
ET Nor	5337		16 26 34.982	-60 06 32.03		EA*	3 18
EV Nor	5338		16 26 24.362	-58 54 29.40	16221-5847	SR:	3 13 22
CK TrA	5339		16 26 57.822	-61 44 31.75		RR	22
CL TrA	5340		16 27 10.812	-62 52 24.78		E	
EW Nor	5341		16 26 54.542	-58 30 21.90		RR	22
CM TrA	5342	9037-02213	16 27 28.243	-61 15 30.64		E/SD:	
EX Nor	5343	8720-02114	16 26 58.256	-57 09 16.78		EA*	16
EY Nor	5344		16 27 23.617	-60 09 11.54		RR	22
EZ Nor	5345		16 28 01.425	-60 05 32.18	16236-5958	SR:	12
FF Nor	5346	8720-00886	16 27 51.446	-57 21 36.83			13 22
CN TrA	5347	9041-01110	16 28 29.755	-61 55 50.95		RR	
CO TrA	5348		16 28 20.834	-60 20 18.58		RR	13 22
CP TrA	5349		16 28 57.209	-61 58 11.17	16244-6151	SRA	
CQ TrA	5350		16 29 01.859	-63 38 24.23		RR	
FG Nor	5351	8720-01342	16 28 18.398	-57 23 03.44			13 22
FH Nor	5352		16 28 38.999	-59 11 16.61		RR	13 22
FI Nor	5353		16 28 46.211	-60 16 48.34	16244-6010	RR:	13 22
CR TrA	5354		16 29 26.780	-62 10 54.25	16249-6204	M	3
FL Nor	5355	8716-01342	16 28 35.575	-55 50 05.39	16245-5543	S:	2 4
FK Nor	5356		16 29 07.751	-59 49 14.28		EA*	16 22
CS TrA	5357	9045-02316*	16 29 54.275	-64 36 45.34	F16251-6430	E:	22
CT TrA	5358		16 29 21.018	-61 11 02.20		E/SD	13 22
FM Nor	5359	8720-01513*	16 29 10.194	-56 54 02.61	16250-5647	M	2 22
FN Nor	5360	8724-01006	16 29 43.253	-59 43 43.03	16254-5937	M	22
FO Nor	5361	8720-00537*	16 29 51.893:	-57 43 19.53:	16255-5736	S:	
FP Nor	5362		16 29 55.411	-57 52 34.70		L:	
CU TrA	5363	9045-02700	16 31 02.587	-65 02 04.67		RRAB	2
CV TrA	5364	9037-00240	16 30 25.846	-60 31 55.06	16260-6025	RR	1 3
FQ Nor	5365		16 30 10.299	-57 19 52.63		RR:	17
CW TrA	5366	9037-00609	16 30 46.469	-61 42 16.38	16262-6135	RR	
CX TrA	5367		16 31 12.904	-61 22 12.72	16267-6115	M	22
FR Nor	5368	8720-00115	16 30 44.839	-57 53 27.38			13 22
FS Nor	5369	8724-01619	16 31 17.585	-59 59 32.96	16269-5953	M	1 3 22
CY TrA	5370	9037-01910*	16 31 19.126	-60 45 51.61		E/SD:	

Table 2: Positions and identifications in MWF 175

GCVS	HV	GSC	RA(J2000)	Dec(J2000)	IRAS	Type	Charts
CZ TrA	5371	9037-01323	16 31 40.121	-61 39 09.36	16271-6132		3
DD TrA	5372		16 31 48.342	-61 46 37.47	16273-6140	M:	22
DE TrA	5373	9041-00798	16 31 52.673	-62 33 26.82	16273-6227	SR	22
DF TrA	5374		16 31 58.296	-61 07 54.47		S:	
FT Nor	5375	8724-00360*	16 31 39.869	-58 43 35.88	16274-5837		1 3 13 22
FU Nor	5376	8720-00948	16 31 51.766	-57 13 22.26	16276-5706	M	
RY Nor		8724-00241	16 32 04.236	-58 21 13.07	16278-5814	M	1 3 13 22
FV Nor	5377		16 31 50.990	-56 14 57.02	16277-5608	L:	
DG TrA	5378		16 33 16.739	-63 00 53.04		M	
FW Nor	5379		16 32 36.267	-56 59 04.77		EA*	16
FY Nor	5380		16 32 33.928	-56 33 18.15	16284-5626	M:	13 22
FX Nor	5381		16 33 06.987	-59 39 06.14		RRAB	22
DH TrA	5382		16 33 20.626	-61 32 10.35		RR:	
DI TrA	5383	9045-02887	16 33 55.226	-64 34 39.94		RR:	2 3 22
DK TrA	5384	9045-02845	16 33 56.904	-64 29 44.88	F16292-6423	S:	
DL TrA	5385		16 33 43.088	-62 14 02.26	16291-6207	M:	
DM TrA	5386	9037-00420	16 33 47.743	-61 39 03.02		S:	3
FZ Nor	5387	8720-01330	16 33 31.409	-57 57 28.62	16293-5751	M:	13 22
GG Nor†	5388		16 34 04.040	-59 05 13.36		SR	
GH Nor	5389	8716-01555*	16 33 44.937	-56 00 14.55	16296-5554		
DN TrA	5390		15 33 53.959	-61 36 53.16		S:	
DO TrA	5391		16 35 57.945	-64 45 10.45	16312-6439	M	2 13 19 22
GI Nor	5392	8720-00732*	16 35 07.098	-57 11 34.33	16309-5705	SR:	13 22
GK Nor	5393	8708-00412	15 34 50.816	-58 23 58.78		EA*	22
DP TrA	5394	9042-02170	16 36 13.169	-63 42 11.70		RR	3 13 22
DQ TrA	5395		16 36 03.371	-61 23 00.95		RR	13 22
DR TrA	5396	9026-05447	15 35 44.467	-61 57 24.91	15315-6147?	M:	13 22
DS TrA	5397	9046-00280	16 37 07.772	-64 17 08.74	16324-6411	RRAB	2 3 13 22
VW Ara	5398		16 35 59.406	-56 37 09.81		EA*	2 16
DT TrA	5399	9046-00467	16 37 32.880	-65 04 41.74	16327-6458	M	2 13 19 22
DU TrA	5400		16 37 08.151	-62 27 27.74		M	3 13 22
VX Ara	5401	8724-01720	16 36 58.459	-59 34 14.20	16326-5928		1
VY Ara	5402		16 36 57.284	-58 46 45.93	16326-5840	M:	
VZ Ara	5403		16 37 29.773	-58 23 51.05		RRAB	1 13 15 22
WW Ara	5404		16 37 56.030	-58 11 34.32		M	13 22
WX Ara	5405		16 37 54.336	-56 33 32.75		M:	13 22
DV TrA	5406	9046-02261	16 39 25.510	-64 31 09.01		SR:	2 3 22
WY Ara	5407		16 38 57.826	-59 36 18.78			13 22
WZ Ara	5408	8720-00834	16 39 09.584	-57 53 36.14		E/DS:	13 22
XX Ara	5409	8724-00704	16 39 26.666	-59 31 48.65		EA*	1 16
XY Ara	5410	8720-00662	16 39 13.322	-57 56 10.00		SR	13 22
XZ Ara	5411		16 40 06.290	-58 51 38.44		M:	
DW TrA	5412	9042-03122	16 41 01.817	-63 32 33.18		RR	3
YY Ara	5413	8725-01642	16 41 20.568	-59 52 30.32		RV:	1 13 22
DX TrA	5414	9042-00758	16 42 21.066	-62 03 58.21		E	13 22
YZ Ara	5415		16 42 44.600	-60 06 56.10	16383-6001	M	1 13 22
DY TrA	5416		16 44 36.744	-61 34 07.67	F16401-6128?	M:	22
DZ TrA	5417		16 46 01.778	-63 04 50.55		E/SD	22
EE TrA	5418	9042-01244	16 46 12.555	-62 20 11.59	16416-6214	S:	3 22
Known variables (Prager 1930)							
SU Nor		8708-02211	15 44 35.316	-58 53 24.29		EA*	14
SV Nor		8708-01474	15 45 21.890	-59 49 27.66		EW*	14
SZ Nor			15 55 33.140	-56 43 32.26		EA/K	14
S TrA		9044-00358	16 01 10.735	-63 46 34.32	15566-6338	DCEP	7 8 19
RV Nor		8714-00914	16 04 10.224	-56 04 47.75		CEP	14
U TrA		9040-00921	16 07 19.049	-62 54 36.38		CEP*	8 19
RX Nor						CST:	
SS Nor	3959	8723-00573	16 13 21.888	-59 46 56.64	16090-5939	M	3 22

Table 2: Positions and identifications in MWF 175

GCVS	HV	GSC	RA(J2000)	Dec(J2000)	IRAS	Type	Charts
TY Nor		8719-01819	16 14 12.196	-56 50 01.86		EA*	14
TZ Nor		8719-01395*	16 16 07.047	-57 43 30.75		EA*	3 14
RR TrA	3282	9041-01425	16 18 22.783	-62 44 13.34		EA*	22
S Nor		8719-00158	16 18 51.766	-57 53 58.78	16146-5746	DCEP	3 8 9 11 19 20
RS TrA	3283	9037-00275	16 21 58.531	-61 27 08.75	16175-6120	M:	19
UX Nor			16 27 44.774	-56 47 07.52		CWB	2 14
VW Nor		8724-00824	16 31 34.001	-58 34 13.80		RRAB	3 14 21 22
RT TrA	3285	9042-00226	16 34 30.950	-63 07 59.95		CWB	3 6 8 10 19 22
UZ Ara		8720-00482	16 36 53.239	-56 18 23.26		EA*	2 14
Y Ara	3168	8724-01693	16 39 05.532	-59 48 22.57	16347-5942	M	1 13 19 22
R Ara		8720-02094	16 39 44.980	-56 59 40.11		EA*	2 8 19

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REMARKS to Table 2:

- R Ara = HD 149730 (B9) = CPD -56°7804 = CoD -56°6482 = 1RXS J163943.2-565928
= 1WGA J1639.7-5659 = 2E 1635.5-5653 = 2RXP J163945.7-565932 = CCDM 16397-5700 A = GC 22364
= HIP 81589 = HJ 4866 A = PPM 345281 = SAO 244037 = TD1 19346. Type EA/DM:.
- Y Ara = HD 149554 (Md) = CPD -59°6790 = 153.1908 = PPM 772486
- UZ Ara. Type EA/SD:.
- VW Ara. Type EA/SD.
- WW Ara. Bright on DSS2 (UK Schmidt IIIaF) plate A1T2.
- WX Ara. Bright in USNO-A1.0/A2.0.
- WY Ara. Absent from both USNO-A1.0 and USNO-A2.0. Extremely faint on GSS (SERC-V) plate 06AH and DSS2 (UK Schmidt IIIaF) plate A1T2.
- WZ Ara. The coordinates in IBVS 4347 are incorrect.
- XX Ara. Type EA/DS.
- XY Ara. The coordinates in IBVS 4347 are incorrect.
- YY Ara = CoD -59°6248 = He 3-1232
- YZ Ara. Companion, brighter on GSS (SERC-V) plate 06AH, at $\rho = 8''.66$, $\theta = 155^\circ.8$.
- S Nor = HR 6062 = HD 146323 (G0p) = CPD -57°7821 = CoD -57°6342 = 2MASS J1618518-575359
= GC 21898 = HIP 79932 = NGC 6087-155 = PPM 344832 = SAO 243586
- RT Nor = CPD -59°6719 = 112.1910 = CSS 2324 = HIP 80365
- RV Nor = 55.1920

- RX Nor = 57.1920. No identification recorded.
- RY Nor = 58.1920
- SS Nor = CoD $-59^{\circ}6051$ = 2MASSI J1613218-594656
- SU Nor. Type EA/SD.
- SV Nor. Type EW/KW.
- TY Nor = CPD $-56^{\circ}7432$ = 2MASSI J1614121-565002. Type EA/SD:.
- TZ Nor = 2MASSI J1616070-574330. Type EA/SD:.. All three GSC images are classified non-stellar. There is a companion, GSC 8719-00574, slightly fainter on GSS (SERC-V) plate 06AH, at $\rho = 7''.77$, $\theta = 99^{\circ}6$.
- WX Nor. Type EA/SD. Kruytbosch's charts for WX Nor and WZ Nor have been interchanged. His chart 2 refers to WX Nor.
- WZ Nor. Type EA/SD:.. Kruytbosch's charts for WX Nor and WZ Nor have been interchanged. His chart 1 refers to WZ Nor.
- XX Nor = MSX5C G323.8725-02.6793?
- XY Nor. Type EA/DM.
- XZ Nor = MSX5C G323.4188-03.9787. GSC image is classified non-stellar.
- YY Nor. Type EA/SD.
- ZZ Nor = MSX5C G324.1945-03.4644? Absent from USNO-A2.0.
- AA Nor. GSC image is classified non-stellar.
- AC Nor. Type EA/SD:.
- AD Nor = MSX5C G323.8385-04.5466
- AF Nor = CSS 2289 = MSX5C G325.9556-02.0994
- AG Nor = IRAS S15485-5644 = IRAS S15486-5644 = IRAS S15487-5644 = MSX5C G325.7908-02.2984
- AK Nor = MSX5C G324.4559-04.2282
- AL Nor = MSX5C G324.0163-04.8055
- AM Nor = MSX5C G324.1303-04.8204
- AN Nor = MSX5C G324.1524-04.7943
- AO Nor = MSX5C G324.4092-04.6742. Absent from USNO-A2.0.
- AP Nor = HD 142154 (Ma) = CoD $-58^{\circ}6232$ = CPD $-58^{\circ}6466$ = IRSV 1552-5856 = MSX5C G324.7477-04.2776 = PPM 772159
- AQ Nor. There is a significant discrepancy between the USNO-A1.0, USNO-A2.0, and DSS2 (UK Schmidt IIIaF plate A1AN) positions and that measured on GSS (SERC-V) plate 06Q1, the former positions all lying roughly $2''$ to the east of the position listed in Table 2.
- AT Nor. Type EA/SD:.
- AV Nor = MSX5C G325.7853-03.5148
- AX Nor = MSX5C G325.0418-04.5546. The chart by Tsesevich & Kazanazmas is inverted.
- AZ Nor = MSX5C G325.3068-04.4718. Absent from both USNO-A1.0 and USNO-A2.0.
- BB Nor. Bright on DSS2 (UK Schmidt IIIaF) plate A1AN. Scarcely visible on GSS (SERC-V) plate 06Q1. Absent from USNO-A1.0 and USNO-A2.0. USNO-A1.0 0300-25942295 is a companion, brighter on GSS plate 06Q1, at approximately $\rho = 3''.8$, $\theta = 98^{\circ}$.
- BE Nor. Type EA/SD:.
- BH Nor. Type EQ/DM:.. GSC image is classified non-stellar.
- BK Nor = MSX5C G325.8447-04.7898. GSC image is classified non-stellar.
- BP Nor. There is a companion, brighter on GSS (SERC-V) plate 06Q1, at $\rho = 9''.50$, $\theta = 258^{\circ}2$.
- BS Nor. Bright on DSS2 (UK Schmidt IIIaF) plate A1AN. There is a companion, fainter on GSS (SERC-V) plate 06Q1, at $\rho = 9''.22$, $\theta = 218^{\circ}6$.
- BV Nor = IRSV 1604-5619 = MSX5C G327.6896-03.3479
- BW Nor = 2MASSI J1608355-601010
- BX Nor = MSX5C G326.8855-04.3540? Bright on DSS2 (UK Schmidt IIIaF) plate A1AN.
- BY Nor = 2MASSI J1610228-594239
- BZ Nor = 2MASSI J1610259-585729
- CC Nor = MSX5C G327.1485-04.4626? The MSX5C source appears coincident with 2MASSI J1610429-573819, for which no optical counterpart is evident. The IRAS source identified with CC Nor may be a blend between this source and 2MASSI J1610419-573826 to the southwest.
- CD Nor = 2MASSI J1610537-573250 = 2MASSI J1610531-573246 = MSX5C G327.2285-04.4105?
- CE Nor = 2MASSI J1611132-600220. Type EA/DS.
- CF Nor = 2MASSI J1611308-600753. Bright in USNO-A1.0/A2.0, where it is blended with a companion, fainter on GSS (SERC-V) plate 06Q1, at $\rho = 4''.67$, $\theta = 215^{\circ}3$.
- CG Nor = 2MASSI J1611156-581539
- CH Nor = 2MASSI J1611249-563910. Absent from both USNO-A1.0 and USNO-A2.0.
- CI Nor = 2MASSI J1612133-600423
- CK Nor = 2MASSI J1612199-580917
- CL Nor = 2MASSI J1612391-575813. Type EA/SD:.
- CM Nor = 1RXS J161250.6-582450 = 2MASSI J1612503-582440. Type EA/SD:.. GSC image is classified

- non-stellar. There are two entries each in USNO-A1.0 and USNO-A2.0, corresponding to POSS fields 0136 and 0137. The entries for field 0136 are blends with a companion, much fainter on GSS (SERC-V) plate 06Q1, at $\rho = 7''.51$, $\theta = 293^\circ.5$.
- CN Nor = 2MASS J1613446–583041. GSC image is classified as a blend. It consists of CN Nor and GSC 8723-01631, a close companion of nearly equal brightness on GSS (SERC-V) plate 06AH, at $\rho = 5''.66$, $\theta = 91^\circ.7$. There are two entries each in USNO-A1.0 and USNO-A2.0, corresponding to POSS fields 0136 and 0137. The entries for field 0137 are blends between CN Nor and GSC 8723-01631.
- CO Nor = 2MASS J1614043–585540
- CP Nor = 2MASS J1614040–581821. Type EA/SD.
- CQ Nor = 2MASS J1614102–573035
- CR Nor = 2MASS J1614176–583443. There is a close companion, fainter on GSS (SERC-V) plate 06AH, at $\rho = 7''.51$, $\theta = 210^\circ.4$.
- CS Nor = 2MASS J1615032–601042 = 2MASS J1615034–601041
- CT Nor = 2MASS J1615239–580651
- CU Nor = 2MASS J1615145–564331
- CV Nor = 2MASS J1615221–573154 = MSX5C G327.6775–04.8119
- CW Nor = 2MASS J1615235–561939 = MSX5C G328.5153–03.9481
- CX Nor = 2MASS J1615419–572221. Type EB/DS.
- CY Nor = 2MASS J1616033–595345
- CZ Nor = 2MASS J1616006–565838 = MSX5C G328.1252–04.4736?
- DD Nor = 2MASS J1616279–601531
- DE Nor = 2MASS J1616258–590704
- DF Nor = 2MASS J1616331–590853
- DG Nor = 2MASS J1616277–581606
- DH Nor = 2MASS J1616218–563748 = MSX5C G328.4028–04.2589
- DI Nor. Not detected in 2MASS.
- DK Nor = 2MASS J1616334–563304 = MSX5C G328.4763–04.2213. Absent from USNO-A1.0.
- DL Nor = 2MASS J1617209–592550
- DM Nor = 2MASS J1617407–584733 = 2MASS J1617407–584732
- DN Nor = 2MASS J1617361–561900 = MSX5C G328.7440–04.1542
- DO Nor = 2MASS J1618111–573452 = S 5698. Type EA/SD.
- DP Nor = 2MASS J1618566–601825
- DQ Nor = 2MASS J1618550–594557
- DR Nor = 2MASS J1618526–574304
- DS Nor = 2MASS J1619109–584819
- DT Nor = 2MASS J1619067–564222. Kazanasmass provides two charts, the second of which is incorrect.
- DU Nor = 2MASS J1620035–601402
- DV Nor = 2MASS J1620018–592448. Absent from USNO-A2.0. GSC image is classified non-stellar. There is a close companion, fainter on GSS (SERC-V) plate 06AH, at approximately $\rho = 3''.2$, $\theta = 356^\circ$.
- DW Nor = 2MASS J1620075–594215
- DX Nor = 2MASS J1620355–590116
- DY Nor = 2MASS J1621019–591832. Type EA/SD.
- DZ Nor = 2MASS J1621170–592718
- EE Nor = 2MASS J1621155–590133
- EF Nor = 2MASS J1621392–584157
- EG Nor. In the constellation Triangulum Australe. The declination in HB 884 is in error by $+1^\circ$.
- EI Nor = 2MASS J1622097–593627. Absent from both USNO-A1.0 and USNO-A2.0.
- EK Nor = 2MASS J1622199–590911
- EL Nor = 2MASS J1622219–580241
- EM Nor. Type EW:/KE:. Not detected in 2MASS.
- EN Nor. The GSS image on SERC-V plate 06AH is elongated, probably an unresolved double. The center-of-light coordinates are listed in Table 2, and in USNO-A1.0 and USNO-A2.0.
- EO Nor. Type EA/SD:.
- ET Nor. Type EA/SD.
- EX Nor. Type EA/SD:.
- FI Nor. Bright on DSS2 (UK Schmidt IIIaF) plate A1T2. There is a companion, brighter than the variable at minimum on GSS (SERC-V) plate 06AH, at $\rho = 10''.12$, $\theta = 12^\circ.5$.
- FK Nor. Type EA/DS.
- FL Nor = MSX5C G330.1683–04.9054?
- FM Nor. GSC image is classified non-stellar.
- FN Nor. Absent from USNO-A2.0.
- FO Nor. GSC image, classified non-stellar, and its USNO-A1.0 and USNO-A2.0 counterparts are blends with a companion, fainter on GSS (SERC-V) plate 06AH, at approximately $\rho = 3''.0$, $\theta = 307^\circ$.

- FP Nor. There is a companion, brighter on GSS (SERC-V) plate 06AH, at $\rho = 9''.45$, $\theta = 278^\circ.9$.
- FT Nor. GSC image classified non-stellar.
- FV Nor. Absent from both USNO-A1.0 and USNO-A2.0.
- FW Nor. Type EA/SD.
- GG Nor = QT Nor = 787.1935 = HV 8903. Absent from both USNO-A1.0 and USNO-A2.0. The declination in HB 884 is in error by -1° .
- GH Nor. GSC image classified non-stellar.
- GI Nor. Absent from USNO-A2.0. GSC image, classified non-stellar, and its USNO-A1.0 counterpart are blends with a companion, fainter on GSS (SERC-V) plate 06AJ, at $\rho = 5''.51$, $\theta = 88^\circ.0$.
- GK Nor. Type EA/SD. The coordinates in HB 884 are corrected in HB 887.
- S TrA = HR 5939 = HD 142941 (G5) = CPD $-63^\circ 3765$ = CoD $-63^\circ 1146$ = GC 21470 = HIP 78476 = PPM 361800 = S 5939 = SAO 253377
- U TrA = HD 143999 (F5) = CPD $-62^\circ 5187$ = CoD $-62^\circ 1019$ = 2MASSI J1607189-625438 = GC 21614 = HIP 78978 = PPM 361877 = SAO 253430. Type CEP(B).
- Y TrA = 2MASSI J1614092-620545 = 113.1907 = CSS 914 = Hen 4-160
- RR TrA = CPD $-62^\circ 5265$ = 2MASSI J1618226-624414 = 110.1910. Type EA/SD.
- RS TrA = CoD $-61^\circ 5377$ = 111.1910
- RT TrA = CPD $-62^\circ 5377$ = 113.1910 = HIP 81157
- RX TrA = MSX5C G321.4724-03.9510. GSC image classified non-stellar.
- RY TrA = MSX5C G321.1651-04.5456
- SS TrA = CPD $-60^\circ 5965$ = CoD $-60^\circ 5753$. Type EA/SD.
- ST TrA. There is a diffuse object (galaxy?), slightly fainter on GSS (SERC-V) plate 06Q1, at $\rho = 4''.43$, $\theta = 187^\circ.3$. The USNO-A1.0 and USNO-A2.0 counterparts may be blends. Tsesevich & Kazanmas provide two charts; that in Part IV, p. 48 is inverted.
- SZ TrA. The USNO-A1.0 and USNO-A2.0 counterparts are blends with a close companion, slightly fainter on GSS (SERC-J) plate 007I, at approximately $\rho = 1''.7$, $\theta = 115^\circ$. It is unclear which of these two components is the variable.
- TT TrA. Absent from USNO-A2.0. All four GSC images are classified non-stellar, and are blends of at least two stars, maybe more. There is a close companion, fainter on GSS (SERC-J) plate 007I and DSS2 (UK Schmidt IIIaF) plate A2DN, at approximately $\rho = 6''.3$, $\theta = 202^\circ$. The USNO-A1.0 counterpart refers to a blend of these two components.
- UU TrA = IRAS S15486-6340. Elongated image on GSS (SERC-J) plate 00JI. A blended double?
- VV TrA. Absent from USNO-A1.0.
- WZ TrA. Absent from USNO-A2.0. GSC image classified non-stellar.
- XX TrA. GSS image on SERC-J plate 007I is elongated, probably double.
- XY TrA. The USNO-A1.0 counterpart appears to be a blend with a companion, fainter on GSS (SERC-J) plate 00JI, at approximately $\rho = 4''.3$, $\theta = 43^\circ$.
- YY TrA. Bright on DSS2 (UK Schmidt IIIaF) plate A1AN.
- YZ TrA. Absent from USNO-A1.0. Bright on DSS2 (UK Schmidt IIIaF) plate A1AH. There is a companion, brighter on GSS (SERC-J) plate 00JI, at $\rho = 7''.58$, $\theta = 67^\circ.2$.
- AB TrA = 1RXS-F J160609.0-614445?
- AC TrA = 2MASSI J1607558-642505
- AD TrA = 2MASSI J1608248-614008. GSC image classified non-stellar.
- AE TrA = 2MASSI J1609413-644530. There is a companion, slightly fainter on GSS (SERC-J) plate 00JI, at $\rho = 10''.58$, $\theta = 152^\circ.4$.
- AF TrA = 2MASSI J1608588-602042
- AG TrA = 2MASSI J1609374-602751
- AH TrA = 2MASSI J1610598-623102
- AI TrA = 2MASSI J1610491-603227
- AK TrA = 2MASSI J1611373-623146. There are companions, both brighter on GSS (SERC-V) plate 06Q1, at $\rho = 3''.97$, $\theta = 111^\circ.3$, and $\rho = 7''.00$, $\theta = 71^\circ.9$.
- AL TrA = 2MASSI J1612017-614233
- AM TrA = 2MASSI J1612358-643837. GSC image classified non-stellar.
- AN TrA = 2MASSI J1612325-633354. The GSS image on SERC-J plate 00JI is distorted, double?
- AO TrA = 2MASSI J1612428-625256. Bright on DSS2 (UK Schmidt IIIaF) plate A1AH. GSC image classified non-stellar.
- AP TrA = 2MASSI J1612413-611721
- AQ TrA = 2MASSI J1613373-634147 = 2RXP J161338.6-634146
- AR TrA = 2MASSI J1613597-622935
- AS TrA = 2MASSI J1613350-601316. Type E/KW:. In the constellation Norma. The declination in HB 884 is in error by -1° .
- AT TrA. Not detected in 2MASSI. The USNO-A1.0 and USNO-A2.0 counterparts are blends with a companion, fainter on GSS (SERC-V) plate 06Q1, at approximately $\rho = 5''.0$, $\theta = 279^\circ$. The companion cannot be

- excluded as the variable.
- AU TrA = 2MASSI J1614390–615601
 AV TrA = 2MASSI J1615550–645110
 AW TrA = 2MASSI J1615584–631415
 AX TrA = 2MASSI J1615482–615853
 AY TrA = 2MASSI J1616263–630240. GSC image classified non-stellar. There is a close companion, slightly fainter on DSS2 (UK Schmidt IIIaF) plate A1AH, at $\rho = 5''.67$, $\theta = 177^\circ 8$. It is unclear which component is the variable.
 AZ TrA = 2MASSI J1616275–624225
 BB TrA = 2MASSI J1616435–604521
 BC TrA. Not detected in 2MASSI.
 BD TrA = 2MASSI J1618067–605758
 BE TrA = 2MASSI J1619017–645746 = IRAS F16143–6450. GSC image classified non-stellar.
 BF TrA = 2MASSI J1618485–622546
 BG TrA = 2MASSI J1618547–610645
 BH TrA = 2MASSI J1619068–612206
 BI TrA = 2MASSI J1619127–605402
 BK TrA = 2MASSI J1619237–604432. The USNO-A1.0 and USNO-A2.0 positions may be affected by a companion, fainter on GSS (SERC-V) plate 06AH, at approximately $\rho = 3''.5$, $\theta = 142^\circ$.
 BL TrA = 2MASSI J1619580–622746
 BM TrA = 2MASSI J1619572–615828
 BN TrA = 2MASSI J1620237–621946 = 2MASSI J1620238–621946
 BO TrA = 2MASSI J1620355–603943
 BP TrA = 2MASSI J1620485–611446 = S 5709
 BQ TrA = 2MASSI J1621249–644217. Image is elongated on GSS (SERC-J) plate 00JI; probably double. The USNO-A1.0 and USNO-A2.0 counterparts appear to be affected by another companion, fainter on this same GSS plate, at $\rho = 7''.77$, $\theta = 310^\circ 8$.
 BR TrA = 2MASSI J1621308–631940
 BS TrA = 2MASSI J1621265–625911
 BT TrA = 2MASSI J1621167–622620 = 2MASSI J1621168–622618
 BU TrA = 2MASSI J1621467–621323. Absent from both USNO-A1.0 and USNO-A2.0.
 BV TrA = 2MASSI J1621323–603127
 CD TrA. GSC image classified non-stellar. There is a companion, fainter on GSS (SERC-J) plate 00JI, at approximately $\rho = 2''.9$, $\theta = 148^\circ$.
 CE TrA. There is a companion, brighter on GSS (SERC-J) plate 00JI, at $\rho = 9''.74$, $\theta = 58^\circ 6$.
 CP TrA. There is a companion, brighter on GSS (SERC-V) plate 06AH, at $\rho = 7''.79$, $\theta = 168^\circ 4$.
 CS TrA. Absent from USNO-A2.0. Both GSC images are classified non-stellar. There is a companion, slightly fainter on GSS (SERC-J) plate 00JI, at $\rho = 5''.89$, $\theta = 186^\circ 5$, which may affect both GSC and USNO-A1.0 positions. CS TrA is probably the north component of this pair, for which coordinates are listed in Table 2.
 CY TrA. GSC image, classified non-stellar, and its USNO-A1.0 and USNO-A2.0 counterparts are blends of two stars. The brighter component is presumed to be the variable. Its companion lies at approximately $\rho = 2''.6$, $\theta = 179^\circ$.
 DN TrA. The coordinates in HB 884 are corrected in HB 887.
 DO TrA = IRAS F16312–6439
 DR TrA. The coordinates in HB 884 are corrected in HB 887.
 DS TrA = IRAS F16324–6411
 DT TrA = GSC 9046-02360 = IRAS F16327–6458
 EE TrA = IRAS F16416–6214?
 NSV 07552 = 2MASSI J1615368–592358 = CSV 101561 = P 1073

Table 3: Positions and identifications in MWF 30

GCVS	HV	GSC	RA(J2000)	Dec(J2000)	IRAS	Type	Charts
QR Aql	5419	1050-00182	19 20 38.069	+12 55 55.09			46
KR Aql	5420	1059-02177	19 25 26.976	+09 38 12.16	19230+0932	S:	33 58
KS Aql	5421		19 28 33.363	+13 27 33.54	19262+1321	SR	56
KT Aql	5422	1063-00353	19 29 59.904	+12 19 19.74	19276+1212	M:	54 58
NSV 12097	5423		19 30 30.699	+13 17 00.58			
KU Aql			19 31 09.239	+12 26 15.19	19288+1219	M:	54 58
	5424†		19 31 19.611	+13 26 32.63			30
KV Aql	5425	1064-02160	19 32 03.216	+11 43 31.44	19297+1137	SR	54
KW Aql	5426		19 32 06.092	+13 00 49.13		S:	
NSV 12123	5427	1068-00959	19 32 29.844	+14 42 44.71			
KX Aql	5428		19 33 53.686	+14 17 47.30		UG	3 8 11 35 47 60 61
KY Aql	5429	1064-02268	19 33 58.894	+11 44 04.92	19316+1137	L:	27 54
KZ Aql	5430	1056-03943*	19 35 11.001	+09 09 59.25	19327+0903	M	33 58
V451 Aql	5431		19 35 35.024	+11 47 16.56	19332+1140	LB	31 34
LL Aql	5432	1060-03287	19 35 44.251	+10 21 16.67	19333+1014	SR	56
LN Aql	5433	1064-04043*	19 36 16.085	+11 53 20.72		RV	54 58
LO Aql	5434	1060-00676*	19 36 28.451	+10 58 13.48	19341+1051	M	33 47 54 58
LP Aql	5435		19 37 50.263	+09 20 13.54		L:	58
LQ Aql	5436	1602-02607	19 37 42.559	+15 38 08.74	19354+1531		54
LS Aql	5437	1064-02144*	19 38 33.569	+12 42 57.86	19362+1236	SRB	33 47 58
LU Aql	5438	1602-02673	19 38 51.996	+15 44 10.32	19365+1537	SRB	9 16 24 48
NSV 12254	5439		19 39 10.653	+08 30 19.16			
LV Aql	5440		19 39 08.465	+12 55 25.22		M:	
LW Aql			19 39 12.704	+12 11 32.65	19368+1204	M	64
LX Aql	5441		19 39 07.850	+14 51 27.49	19368+1444	SRA	33 58
LY Aql	5442		19 39 45.855	+12 39 41.14	19374+1232	M	19
LZ Aql	5443		19 39 45.638	+15 56 11.53	19374+1549	SRA	50
MM Aql	5444	1069-00369	19 40 08.664	+14 45 14.04	19378+1438	SRA	54
MO Aql	5445	1069-01023	19 40 23.498	+14 57 13.82		M	53
MN Aql	5446	1065-00815*	19 40 29.906	+11 44 14.18	19381+1137	LB	33 58
MP Aql	5447		19 40 35.661	+15 10 43.87		M	53
MQ Aql	5448		19 40 55.738	+12 37 10.23		CWB	39 57 58
MR Aql	5449		19 41 10.412	+13 21 25.32		EA*	53
TZ Sge	5450		19 41 01.672	+16 56 20.37	19387+1649	SRD:	33 58
MT Aql	5451		19 42 12.598	+09 41 33.61		S:	
MU Aql		1069-03618	19 42 11.534	+13 20 24.83	19398+1313	M	33 47 58
UU Sge	5452		19 42 10.375	+17 05 14.45		EA*	6 7 32 37 44
MV Aql	5453	1065-00992*	19 42 45.675	+11 32 34.93	19403+1125	SRB	22
MW Aql		1069-03742*	19 42 44.356	+13 34 14.94	19403+1326	M	47 63
NSV 12332	5454		19 42 56.216	+13 21 23.86			
MX Aql	5455		19 43 38.059	+14 03 16.22	19413+1356	M:	
MY Aql	5456		19 43 51.476	+12 07 35.20		RR:	
MZ Aql	5457		19 44 25.486	+15 14 21.96		S:	
NN Aql	5458		19 44 33.639	+15 33 30.15		RRAB	53 57 58
NP Aql			19 45 00.716	+11 45 50.40	19427+1138?	M	64
NQ Aql	5459	1065-02439	19 45 07.097	+12 22 33.06		S:	
NR Aql	5460		19 45 21.535	+09 53 32.07		M	33 58
NS Aql†	5461		19 45 28.711	+14 55 02.86			50
NT Aql	5462	1615-00509	19 45 52.006	+15 09 20.23		S:	
NU Aql	5463		19 46 04.263	+11 45 43.10		S:	
NV Aql	5464	1069-02100	19 46 29.338	+13 51 16.85	19441+1343	SRB	33 49 58
NSV 12395	5465	1069-02401*	19 46 43.314	+14 26 23.69	19444+1419		
UV Sge			19 47 00.051	+16 47 15.51	19447+1639	M	47 66
NX Aql	5466		19 47 10.980	+13 29 01.34		E/SD:	
NY Aql	5467	1066-01152	19 47 38.390	+12 09 23.87	19452+1201	SRB	33 58
NZ Aql			19 47 52.081	+13 08 38.65	19455+1301	M:	64
OO Aql	5468	1058-00507	19 48 12.648	+09 18 32.22		EW*	2 40 43 47 52
V926 Aql†	5469	1062-00024	19 48 13.432	+09 23 42.66		EA*	20 43 52
OQ Aql	5470	1070-01813	19 48 32.069	+14 56 54.60	19462+1449	SRB	9

Table 3: Positions and identifications in MWF 30

GCVS	HV	GSC	RA(J2000)	Dec(J2000)	IRAS	Type	Charts
UW Sge	5471		19 48 52.965	+17 03 22.93			
OR Aql	5472		19 48 53.365	+16 03 37.72	19466+1556	SRA	8 41 61
OS Aql	5473	1615-02494*	19 49 04.102:	+15 25 26.58:	19467+1517	M	8 33 47 58
OT Aql	5474		19 49 22.727	+16 03 46.31		M	8 41 61
OU Aql	5475	1062-00006	19 49 51.662	+09 23 44.77	19474+0916	M	33 58
OV Aql	5476		19 51 08.720	+13 30 59.90			
OW Aql	5477	1615-00966	19 51 21.816	+15 00 11.92	19490+1452	M	33 47 58 61
OX Aql	5478		19 51 24.791	+15 06 41.98	19491+1459	M	33 47 58 61
OY Aql	5479	1066-02970	19 51 57.660	+11 47 08.74			33 57 58*
V1053 Aql	5480		19 51 54.266	+15 34 40.31	19496+1526	L	28
OZ Aql	5481	1066-00693	19 52 29.330:	+12 10 14.56:		RRAB	21 33 39 57 58
PQ Aql	5482		19 53 06.609	+12 59 00.85		SR	21
PR Aql	5483		19 53 12.544	+14 09 21.94		M:	
PS Aql		1066-01926	19 53 42.806	+12 47 52.19	19513+1239	SR	21* 64
PT Aql	5484		19 53 43.090	+14 41 08.10	19513+1433	M	
PU Aql	5485	1066-00713	19 54 01.826	+13 07 10.74		SRB	
Known variables (Prager 1931, <i>et al.</i>)							
W Sge	1206		19 19 32.416	+17 12 19.03	19172+1706	M	16 18 37 47
NSV 11913	1207					I:	
T Sge		1604-01346	19 21 42.058	+17 40 00.41	19194+1734	SRB	16 24 26 47
V448 Aql			19 30 21.725	+10 56 08.53	19280+1049	SRA:	30
V449 Aql†		1067-00835	19 31 22.658	+13 28 06.17	19290+1321	LB	30* 34
SS Aql		1060-00464	19 32 33.497	+10 31 26.58	19301+1024	M	10 63
WY Sge			19 32 43.819	+17 44 55.86		N*	5 12 36 51 62
V1137 Aql		1068-02115	19 33 01.786	+13 44 42.32	19307+1338	SR:	32
EY Aql			19 34 44.603:	+15 01 52.05:		NA	1 3 5 8 12 13 47
V452 Aql		1056-03795	19 37 04.378	+09 12 03.60		M	64
V453 Aql			19 37 48.786	+10 32 58.55	19354+1026	M	23 31 34 53 58
LR Aql			19 37 50.971	+12 47 17.04	19355+1240	M:	47 54 63
RT Aql		1064-03145	19 38 01.606	+11 43 18.37	19356+1136	M	9 14 15 16 24 47
V454 Aql			19 38 25.581	+10 35 42.00		M	63
V1289 Aql			19 38 42.174	+12 16 30.37		NL:	11 63
V536 Aql			19 38 57.414	+10 30 16.82	19365+1023	INT	29 34 37 56* 63
SV Aql		1064-00996	19 39 01.769	+11 56 46.39	19366+1149	M	10 14 47 63
SS Sge			19 39 08.381	+16 42 39.75		N:	4 12
EZ Aql		1056-02077*	19 39 29.679	+08 36 28.78	19370+0829	RVA	38 45 47 54 65
V827 Aql			19 39 50.679	+10 49 40.40	19374+1042	M:	56
V455 Aql			19 40 13.399	+13 03 10.61	19378+1256	M	65
RV Aql		1061-02097	19 40 43.058	+09 55 51.49	19383+0948	M	9 14 16 47 63
MS Aql		1065-03128	19 41 07.128	+11 48 50.04	19387+1141	LB	9 17
NSV 12292			19 41 27.698	+10 22 25.43			65
V828 Aql		1061-00708	19 43 45.456	+10 52 38.39		EA	64
RX Aql			19 45 11.243	+08 26 40.92	19427+0819	M	63
ShV sv†			19 45 24.271	+14 54 48.76		L	50
V457 Aql			19 45 32.778	+12 17 24.77	19431+1210	M	65
V1290 Aql			19 46 31.876	+10 47 03.24		ZAND:	42 63
NSV 12393			19 46 41.411	+10 27 47.92			63
NW Aql			19 47 11.156	+12 29 03.60		M:	63
QU Aql			19 47 32.618	+08 34 44.35	19451+0827	M	64
NSV 12409			19 47 34.632	+09 22 58.45	19451+0915		64
V459 Aql		1062-00502*	19 47 35.964	+09 56 46.72	19452+0949	M	63
KK Aql		1070-01597	19 47 49.044	+14 33 07.56		SRD	9
AB Sge			19 47 43.480	+17 52 23.99		M	47 66
OP Aql†		1058-00287	19 48 08.310	+09 20 45.02		EA*	20 33 43 52 58
RY Aql			19 48 23.022	+11 31 29.89	19460+1123	M	10 47 63
ST Aql			19 49 16.222	+12 22 12.88		M	10 47 63

Table 3: Positions and identifications in MWF 30

GCVS	HV	GSC	RA(J2000)	Dec(J2000)	IRAS	Type	Charts
SW Aql			19 50 40.686	+12 49 12.26	19483+1241	M	10 47 63
SX Aql			19 50 54.939	+13 13 12.41	19485+1305	M	10 47 63
TW Aql	3220	1070-03183	19 51 00.878	+13 58 15.10	19486+1350	SRD	9 59
AI Sge			19 50 58.388	+17 38 56.45	19487+1731	LB	66
NSV 12477		1615-02134	19 51 26.770	+15 44 33.40		E:	66
WY Aql			19 51 42.712	+16 24 59.38	19494+1617	M	8 16 47 52 66
NSV 12487		1058-01877	19 52 04.039	+09 04 26.94		-	
RV Sge			19 51 53.720	+16 57 34.43	19496+1649	M	8 47 66
PP Aql		1066-02208	19 52 46.550	+12 40 09.08		DCEP	54 65
NSV 12521			19 53 29.311	+09 22 12.13	19510+0914		63
V711 Aql			19 53 44.007	+10 59 41.76		EA*	63
RZ Aql		1062-01352	19 53 53.832	+09 39 36.41	19514+0931	M	10 47 63
SW Sge			19 53 38.596	+17 51 52.83	19513+1743	M	47 66
NSV 12531		1062-02573*	19 54 09.820	+10 18 04.06			64
NSV 12542			19 54 33.073:	+08 54 16.82:			65
AO Sge			19 54 18.306	+17 48 17.93	19520+1740	M	47 66
V340 Aql			19 55 56.521	+15 51 08.38		EA*	9 52 66
S Sge		1616-00837	19 56 01.051	+16 38 03.48	19537+1630	DCEP	9 16 25 47 52 55
AS Sge			19 56 38.711	+17 19 39.64		M	28 32 66

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REMARKS to Table 3:

- RT Aql = HD 185293 (Md) = BD +11°3919a = CMC 315449 = DO 5989 (M6) = HIP 96580 = IRC +10433 = MSX5C G048.7100-04.7777 = RAFGL 2423
- RV Aql = HD 185821 (Md) = BD +9°4205 = 17.1900 = DO 6036 (M4)
- RX Aql = 71.1903
- RY Aql = 77.1903
- RZ Aql = 83.1903
- SS Aql = 64.1903
- ST Aql = 78.1903
- SV Aql = 2MASSI J1939017+115646 = 2MASSI J1939018+115648 = 68.1903 = MSX5C G049.0258-04.8832
- SW Aql = 79.1903
- SX Aql = 80.1903
- TW Aql = HD 353895 (K7) = 17.1910. The coordinates by G. van Biesbroeck & L. Casteels (1914, *Ann. Obs. R. Belgique*, n.s., *Ann. Astr.*, **13**, 281) are incorrect.
- WY Aql = 125.1905 = DO 18241 (M3). The USNO-A1.0 and USNO-A2.0 counterparts are blends with a companion, fainter on GSS (Pal-QV) plate 03OV, at $\rho = 7''.92$, $\theta = 336^\circ.4$.
- EY Aql = 17.1929 = N Aql 1926 = SVS 202. Absent from USNO-A1.0 and USNO-A2.0. Not detected in 2MASSI. Not visible on GSS (Pal-QV) plate 00J2; position estimated.
- EZ Aql = 109.1905 = CMC 917640 = Zi 1762. GSC image classified non-stellar.
- KK Aql = HD 353685 (K5) = BD +14°4043 = 310.1930 = CMC 1112149
- KR Aql = DO 5718 (M4) = MSX5C G045.3922-03.0606
- KS Aql = 2MASSI J1928333+132733 = MSX5C G049.1215-01.9167
- KT Aql = MSX5C G048.2890-02.7680
- KU Aql = MSX5C G048.5262-02.9603 = Ross 253
- KV Aql = MSX5C G048.0050-03.4946. Absent from USNO-A1.0 and USNO-A2.0.

- KX Aql = 1RXS-F J193354.0+141748 = 2MASSI J1933536+141748
- KY Aql = IRC +10429 = MSX5C G048.2405-03.9046
- KZ Aql. Absent from USNO-A1.0 and USNO-A2.0. GSC image (classified non-stellar) is a blend with a companion of nearly equal brightness (on GSS Pal-QV plate 01ZR) at $\rho = 8''.13$, $\theta = 128^\circ.8$.
- LL Aql = MSX5C G047.2360-04.9459
- LN Aql = 2MASSI J1936160+115320. GSC image (classified nonstellar) and its USNO-A1.0 and USNO-A2.0 counterparts are blends with a companion, fainter on GSS (Pal-QV) plate 00J2, at approximately $\rho = 5''.8$, $\theta = 172^\circ$.
- LO Aql = MSX5C G047.8646-04.8075. GSC image classified non-stellar. Absent from USNO-A2.0.
- LP Aql. There is a companion, fainter on GSS (Pal-QV) plate 00J2, at $\rho = 6''.29$, $\theta = 284^\circ.3$.
- LQ Aql = 2MASSI J1937425+153807 = 2MASSI J1937425+153808 = MSX5C G052.0980-02.8066
- LR Aql = 2MASSI J1937509+124717 = 66.1903 = MSX5C G049.6239-04.2228 = Ross 258 = Zi 1753. Absent from USNO-A1.0 and USNO-A2.0.
- LS Aql = 2MASSI J1938335+124257 = CMC 1112046 = MSX5C G049.6451-04.4092. GSC image classified non-stellar.
- LU Aql = HD 353315 (M2) = BD +15°3891 = DO 17958 (M4) = 2MASSI J1938520+154409 = AGK3 +15°2056 = CMC 512779 = HIP 96637 = IRC +20421 = MSX5C G052.3207-03.0001? = PPM 136690
- LV Aql = 2MASSI J1939084+125525 = MSX5C G049.8964-04.4325. Absent from USNO-A1.0 and USNO-A2.0.
- LW Aql = 2MASSI J1939126+121132 = 49.1905 = MSX5C G049.2638-04.8025 = Zi 1761
- LX Aql = 2MASSI J1939078+145127 = MSX5C G051.5849-03.4859
- LY Aql = 2MASSI J1939460+123945 = MSX5C G049.7411-04.6921. Absent from USNO-A1.0 and USNO-A2.0.
- LZ Aql = MSX5C G052.6012-03.0894?
- MM Aql = 2MASSI J1940085+144511 = MSX5C G051.6146-03.7501
- MN Aql = CMC 1018425 = DO 6035 (M3). GSC image classified non-stellar.
- MO Aql = MSX5C G051.8188-03.7038
- MP Aql = 2MASSI J1940357+151043. There is a close companion, fainter on GSS (Pal-QV) plate 00J2, at $\rho = 3''.70$, $\theta = 280^\circ.8$.
- MQ Aql = 2MASSI J1940556+123710. Absent from USNO-A1.0. GSC 1065-02317, fainter on GSS (Pal-QV) plate 00J2, lies at $\rho = 7''.47$, $\theta = 106^\circ.5$.
- MR Aql = 2MASSI J1941104+132125. Type EA/SD:.
- MS Aql = HD 355662 (M0) = 431.1928 = AGK3 +11°2322 = DO 6052 (M3) = PPM 136770
- MU Aql = 2MASSI J1942115+132025 = 2MASSI J1942120+132031 = MSX5C G050.6267-04.8768? = Ross 261
- MV Aql = CMC 1018490. Absent from USNO-A2.0. The proper motion of CMC 1018490 is evidently spurious. GSC image (classified non-stellar) and its USNO-A1.0 counterpart are blends with a companion, fainter on GSS (Pal-QV) plate 00J2, at $\rho = 5''.70$, $\theta = 84^\circ.7$, which appears to have been used as the first-epoch position of CMC 1018490.
- MW Aql = 2MASSI J1942443+133414 = 70.1903 = MSX5C G050.8934-04.8790? = Zi 1773. Absent from USNO-A1.0 and USNO-A2.0. GSC image classified non-stellar. There is a companion, fainter on GSS (Pal-QV) plate 00J2, at $\rho = 7''.43$, $\theta = 13^\circ.5$.
- MX Aql = 2MASSI J1943380+140315 = MSX5C G051.4228-04.8294. Absent from USNO-A1.0 and USNO-A2.0.
- MY Aql = 2MASSI J1943514+120734
- MZ Aql = 2MASSI J1944255+151421. Absent from USNO-A1.0 and USNO-A2.0. There is a companion, brighter on GSS (Pal-QV) plate 00J2, at $\rho = 5''.73$, $\theta = 321^\circ.4$, which cannot be excluded as the variable.
- NN Aql. Not detected in 2MASSI.
- NP Aql = 52.1905 = Zi 1779
- NQ Aql = 2MASSI J1945071+122232
- NS Aql = 2MASSI J1945286+145502 = MSX5C G052.3943-04.7905. Absent from USNO-A1.0 and USNO-A2.0. There are several close companions, all brighter on GSS (Pal-QV) plate 00J2 than NS Aql, two at $\rho = 4''.46$, $\theta = 98^\circ.5$ and approximately $\rho = 5''.3$, $\theta = 344^\circ$, and two brighter yet at $\rho = 7''.35$, $\theta = 63^\circ.6$ and $\rho = 8''.92$, $\theta = 313^\circ.1$.
- NT Aql = 2MASSI J1945520+150919 = CMC 1112120 = MSX5C G052.6473-04.7548
- NV Aql = 2MASSI J1946293+135116 = CMC 1112128
- NW Aql = 2MASSI J1947111+122903 = 75.1903 = Zi 1787
- NX Aql = 2MASSI J1947109+132900
- NY Aql = CMC 1112145
- NZ Aql = 55.1905 = Zi 1798
- OO Aql = HD 187183 (G5) = BD +8°4224 = 1RXS J194812.9+091826 = 1WGA J1948.2+0919 = AGK3 +9°2585 = CMC 512949 = PPM 168688 = SAO 125084. Type EW/DW:.
- OP Aql = S 10948. Type EA/SD.
- OQ Aql = HD 353832 (K5) = DO 18180 (M1)
- OR Aql = MSX5C G053.7984-04.9340? Absent from USNO-A1.0 and USNO-A2.0.
- OS Aql. Absent from USNO-A1.0. Bright on DSS1 (POSS-I E) plate 08N7; faint on GSS (Pal-QV) plate

- 03OV. GSC image classified non-stellar. There is a companion, much brighter on GSS plate 03OV, at approximately $\rho = 8''.5$, $\theta = 176^\circ$.
- OT Aql. Absent from USNO-A1.0 and USNO-A2.0. Bright on GSS (Pal-QV) plate 03OV. There is a companion, slightly brighter on DSS1 (POSS-I E) plate 08N7, at approximately $\rho = 4''.6$, $\theta = 309^\circ$.
- OU Aql = IRAS S19474+0916 = Ross 367
- OW Aql = CSS 2815 = Zi 1808
- OY Aql. Tsesevich & Kazanymas provide two charts. The chart in Part I, p. 6 is correct; that in Part II, p. 9 is incorrect.
- OZ Aql = CMC 1018784
- PP Aql = 114.1905 = CMC 917834 = Zi 1814
- PQ Aql = 2MASS J1953066+125900
- PR Aql = 2MASS J1953126+140922
- PS Aql = 2MASS J1953427+124752 = 56.1905 = Zi 1819. Gessner's chart identifies PS Aql, not PQ Aql as labeled.
- PT Aql = 2MASS J1953428+144107. Absent from USNO-A1.0 and USNO-A2.0. Bright on GSS (Pal-QV) plate 00J2. There is a companion, USNO-A1.0 0975-17241443, at $\rho = 4''.06$, $\theta = 138^\circ.6$, which is not resolved on this GSS plate.
- PU Aql = 2MASS J1954018+130710
- QR Aql = MSX5C G047.7436-00.4679
- QU Aql = 53.1905 = CSS 1159 = DO 6181 (M2) = Zi 1790
- V340 Aql = HD 354142 (F) = 2MASS J1955564+155107 = 140.1905 = Zi 1837.
- Type EA/SD. The coordinates quoted by Nesterov, *et al.* (1995) are in error.
- V448 Aql = MSX5C G047.1120-03.5073 = P 1821 = Ross 252
- V449 Aql = MSX5C G049.04571-02.5139. Hoffmeister's chart identifies V449 Aql, not HV 5424 as labeled.
- V451 Aql = MSX5C G048.4773-04.2229 = P 1847
- V452 Aql = 48.1905 = Ross 256 = Zi 1747
- V453 Aql = P 1858 = Ross 257
- V454 Aql = 111.1904 = Zi 1754
- V455 Aql = 110.1905 = MSX5C G050.1387-04.5992 = Zi 1768
- V457 Aql = 2MASS J1945327+121724 = 112.1905 = Zi 1780
- V459 Aql = 76.1903 = Zi 1793. Absent from USNO-A2.0. GSC image classified non-stellar. There is a companion, slightly fainter on GSS (Pal-QV) plate 00J2, at $\rho = 6''.73$, $\theta = 128^\circ.6$.
- V536 Aql = 112.1904 = HH 387 = HRC 294 = Ross 259 = Zi 1758. The chart by Tsesevich & Kazanymas is rotated, with north at position angle $\sim 30^\circ$.
- V711 Aql = 82.1903 = Zi 1818. Type EA/SD.
- V827 Aql = P 1874 = Ross 260
- V828 Aql = 50.1905 = Zi 1775
- V926 Aql = S 5341. Type EA/SD:.
- V1053 Aql = CSV 4854 = P 1921
- V1137 Aql = 2MASS J1933017+134442 = CSV 4714 = MSX5C G049.8933-02.7331 = NSV 12135 = P 1834 = RAFGL 2413 = RAFGL 4250 = Ross 254 = S 8114. Absent from USNO-A2.0.
- V1289 Aql = 2MASS J1938421+121630 = 67.1903 = CSV 4758 = Zi 1756
- V1290 Aql = 72.1903 = CSV 4809 = Zi 1783. There is a companion, of roughly equal brightness on GSS (Pal-QV) plate 00J2, at $\rho = 9''.31$, $\theta = 137^\circ.6$.
- S Sge = 10 Sge = HR 7609 = HD 188727 (G0p) = BD +16°4067 = 2MASS J1956012+163805 = AGK3 +16°2074 = CMC 513102 = GC 27601 = HIP 98085 = LS II +16°14 = PPM 137241 = SAO 105436 = TD1 25711
- T Sge = HD 181903 (Mc) = BD +17°3940 = 2MASS J1921420+174000 = DO 17675 (M4) = HIP 95173 = IRC +20399 = MSX5C G052.0433+01.5315 = RAFGL 2375
- W Sge = HD 181332 (Md) = 46.1906 = DO 17635 (M4) = IRC +20396 = MSX5C G051.3936+01.7702
- RV Sge = 126.1905. Absent from USNO-A1.0 and USNO-A2.0. Bright on GSS (Pal-QV) plate 03OV. The coordinates by M. & G. Wolf (1906, *Astr. Nachr.*, **170**, 361) are incorrect; their chart is correct.
- SS Sge = 11.1926 = N Sge 1916 = SVS 81. Absent from USNO-A1.0 and USNO-A2.0. Not detected in 2MASS. 2MASS J1939077+164239 is a close companion, brighter on GSS (Pal-QV) plate 03OV, at $\rho = 8''.62$, $\theta = 264^\circ.2$. There is a second companion, slightly fainter than SS Sge on this plate, at $\rho = 9''.54$, $\theta = 302^\circ.0$.
- SW Sge = 2MASS J1953385+175152 = 130.1905 = Zi 1822. Bright on DSS2 (POSS-II F) plate A0BL. The image on GSS (Pal-QV) plate 03OV is asymmetric, and may be a blend. The coordinates by M. & G. Wolf (1906, *Astr. Nachr.*, **170**, 361) are incorrect; their chart is correct.
- TZ Sge = 2MASS J1941015+165619 = IRAS S19387+1649. The USNO-A1.0 and USNO-A2.0 positions are blends with a companion, fainter on GSS (Pal-QV) plate 03OV, at approximately $\rho = 3''.6$, $\theta = 53^\circ$.
- UU Sge = 2MASS J1942102+170514 = A 63 = NSV 12320 = PK 53 - 3°1 = S 8314. Type EA/D:/PN.
- UV Sge = 2MASS J1947000+164715 = 117.1905 = Zi 1788
- WY Sge = N Sge 1783. Type N+UG:+EA. Not detected in 2MASS.

AB Sge = 2MASSI J1947434+175224 = 119.1905 = MSX5C G055.2324-03.7837? = Zi 1799
 AI Sge = 123.1905 = MSX5C G055.4304-04.5653 = Zi 1807. Absent from USNO-A1.0 and USNO-A2.0.
 AO Sge = 2MASSI J1954183+174817 = 132.1905 = Zi 1828
 AS Sge = 2MASSI J1956387+171938 = 142.1905 = CSS2 47 = Zi 1839. Absent from USNO-A1.0 and USNO-A2.0.
 NSV 11913 = 47.1906 = CSV 4615 = Zi 1659
 NSV 12097 = CSV 4695 = P 1825
 NSV 12123 = CSV 4707 = P 1832
 NSV 12254 = CSV 4760 = P 1868. Absent from USNO-A1.0 and USNO-A2.0.
 NSV 12292 = 111.1905 = CSV 8247
 NSV 12332 = CSV 4785 = P 1889. Not detected in 2MASSI. The nearby infrared point source IRAS 19405+1313 is identified with a neighboring star, GSC 1069-02566 = 2MASSI J1942511+132103.
 NSV 12393 = 73.1903 = CSV 4813 = Zi 1785
 NSV 12395 = CSV 4816 = P 1896. Not detected in 2MASSI. GSC image and its counterparts in USNO-A1.0 and USNO-A2.0 are blends with a companion, fainter on GSS (Pal-QV) plate 00J2, at $\rho = 3''.99$, $\theta = 180^\circ.8$. IRAS 19444+1419, identified in Table 3 with NSV 12395, may instead correspond to a blend of 2MASSI J1946462+142638 and 2MASSI J1946401+142635.
 NSV 12409 = 54.1905 = CSV 4817 = Zi 1791
 NSV 12477 = 124.1905 = CSV 4845 = Zi 1809
 NSV 12487 = HD 187894 (F8) = BD $+8^\circ 4245$ = 1RXS-F J195203.9+090427 = 1WGA J1952.0+0904 = 2RXP J195203.8+090421 = AGK3 $+8^\circ 2642$ = 16.1923 = CSV 101899 = PPM 168834 = SVS 30 = Zi 1810
 NSV 12521 = 81.1903 = CSV 4869 = Zi 1817
 NSV 12531 = 57.1905 = CSV 4874 = Zi 1824. GSC image classified non-stellar; its position may be slightly affected by two close companions, both fainter on GSS (Pal-QV) plate 00J2, at $\rho = 8''.98$, $\theta = 120^\circ.7$, and $\rho = 8''.70$, $\theta = 248^\circ.7$.
 NSV 12542 = 115.1905 = CSV 4877 = Zi 1827. Absent from USNO-A1.0.
 HV 5424 = P 1828.
 ShV sv = 2MASSI J1945242+145449

Table 4: Positions and identifications in MWF 105, 108, and 111

GCVS	HV	GSC	RA(J2000)	Dec(J2000)	IRAS	Type	Charts
V591 Tau	6858	1839-01460	04 47 32.155	+27 41 07.51	04444+2735	LB:	48 63
DS Tau	6859	1843-00937*	04 47 48.591:	+29 25 11.46:	F04446+2919	INST	32 49
AO Tau	6860		04 49 44.573	+28 20 29.19	04466+2815	M	30 45 54 65
V720 Tau	6861	1843-00616	04 52 01.666	+29 00 04.68	04488+2855	LB:	38
AP Tau	6862	1840-00004	04 54 44.705	+26 55 27.16		EA	30 35 65
AQ Tau	6863	1840-01183	04 55 57.931	+27 53 27.85		EA*	12 36 59
V721 Tau	6864	1840-01223	04 56 03.310	+27 35 59.24		IN:	11
BS Tau	6865	1844-00124	04 58 51.379	+28 31 24.42		INS	10 30 65
GZ Aur	6866		05 00 03.086	+30 01 08.03	04568+2956	IN:	19 34 56 63 64 65
V592 Tau	6867	1849-01102	05 01 42.144	+25 15 43.13		EA*	60
OZ Aur	6868	2392-00768	05 02 51.977	+32 29 49.27		IS:	10
V836 Tau	6869	1849-01615	05 03 06.598	+25 23 19.57		BY	13 14 34 42 49
CG Aur	6870	1857-00607	05 03 42.612	+29 11 32.03		EA*	4 36
PP Aur	6871	1857-01361	05 04 36.602	+28 41 21.88		L	60
CH Aur	6872		05 05 29.509	+31 35 44.53		EA*	60
PQ Aur	6873	1857-00255	05 06 11.770	+29 18 48.46	05030+2914	SR	60
AR Tau	6874	1853-01564	05 06 16.517	+27 22 16.03	05031+2718	SR	
NSV 01825	6875	2389-00503	05 06 34.058	+30 46 01.10	05033+3042		
V723 Tau	6876		05 06 46.136	+28 35 23.34		EA*	60
NSV 01829†	6877	1853-00383	05 07 00.211	+26 59 17.54			60 64 65
	6878†	1857-01149	05 07 35.798	+29 00 16.09	05044+2856	L	60*
HO Aur	6879	2389-00480	05 07 46.960	+31 20 19.00		IS:	34 60 64 65
NT Aur	6880	1857-00258	05 09 05.287	+29 40 18.98		EA*	60 64 65
NU Aur	6881	1857-00862	05 09 02.268	+28 40 52.64		RRAB	51 60 64 65
NSV 01845	6882	1849-00066	05 09 07.457	+26 08 18.94	05060+2604		
CI Aur	6883	1857-00440	05 09 22.931	+29 27 16.40		EA*	57
BG Aur	6884	1857-00927	05 09 38.467	+28 39 27.32	05064+2835	SRA	
BH Aur	6885	2397-00244	05 12 04.284	+33 57 47.05		RRAB	8 9 15 50 54 60 64 65
CL Aur	6886	2393-01455	05 12 54.194	+33 30 28.44		EA*	12 36
NSV 01869	6887		05 12 46.904	+29 38 59.69			
DW Aur	6888		05 14 25.836	+30 01 02.42		L	25 30
NSV 01896	6889		05 16 09.238	+31 26 03.50			
NSV 01894	6890	1850-01493	05 16 01.087	+25 18 05.62			
PW Aur	6891	2390-01601	05 18 27.425	+30 08 50.06	05152+3005	IS	19 34 63 64 65
NSV 01930	6892	1859-00031	05 20 21.204	+29 44 23.68			
NSV 01942	6893	1859-01054	05 21 51.451	+28 38 42.14			
NSV 01949	6894		05 22 45.710	+29 07 04.38		S	
NSV 01968	6895		05 25 20.539	+29 45 36.89		E:	
NSV 01885	6896	1287-00775	05 15 07.642	+18 22 29.17	05121+1819		
NSV 01886	6897	1846-00442	05 15 29.153	+22 42 08.46			
NSV 01890	6898	1287-01118	05 15 41.148	+18 40 37.70			
NSV 01919	6899	1851-00408	05 19 01.997	+24 45 49.14	05159+2442		
NSV 01932	6900	1304-00869	05 20 09.605	+19 28 48.86	05172+1925		64 65
NSV 01931	6901		05 20 06.232	+17 28 47.26			
NSV 01958	6902	1847-01162	05 24 49.385	+23 06 06.34	05217+2303		
NSV 01973	6903	1308-00319	05 25 43.133	+20 37 59.59	05227+2035		
NSV 01976	6904	1304-00301	05 26 10.574	+19 08 15.50	05232+1905		
NSV 01981	6905	1300-01241	05 26 24.646	+18 15 58.97			
NSV 01987	6906	1300-00116	05 27 06.487	+16 56 11.40			
NSV 02026	6907		05 29 58.842	+18 48 09.32			
NSV 02059	6908		05 31 14.053	+19 29 39.96			
NSV 02118	6909	1852-00047	05 33 29.160	+24 27 01.02	05304+2425		
NSV 02134	6910	1301-00547	05 33 35.242	+18 20 56.06	05306+1818		
NSV 02181	6911	1301-01765	05 34 41.186	+17 53 18.12	05317+1751		
NSV 02249	6912	1861-00678	05 35 33.847	+23 53 18.17	05325+2351		
NSV 02302	6913	1865-00665*	05 35 55.300	+25 18 27.99			
NSV 02442	6914		05 37 26.660	+22 20 31.09			

Table 4: Positions and identifications in MWF 105, 108, and 111

GCVS	HV	GSC	RA(J2000)	Dec(J2000)	IRAS	Type	Charts
DW Tau	6915		05 37 44.065	+17 45 29.51	05348+1743	M	27
GP Tau	6916	1865-00928	05 38 32.645	+25 00 06.73	05354+2458	SRB	
BV Tau	6917	1861-01567	05 38 34.745	+22 54 44.71		EB*	
NSV 02520	6918	1306-01245	05 39 34.860	+18 52 38.32	05366+1851		
GQ Tau	6919	1865-01967	05 41 34.963	+25 59 52.91		EA*	
EF Tau	6920	1306-01298	05 43 31.805	+19 25 11.93		DCEP	27 51 64 65
V961 Tau	6921	1311-01681	05 44 26.170	+21 53 18.49	05414+2152	LB	20
EG Tau	6922	1303-00352	05 45 43.913	+18 38 15.72	05428+1837	LB	27
EI Tau	6923	1303-01131	05 46 56.534	+17 54 31.57	05440+1753	SRA	27
AX Tau	6924	1862-02035	05 49 43.526	+24 06 55.91	05466+2406	SRA	26
Suspected variables							
GY Aur		2387-01008	04 56 48.602	+30 35 36.46		EA	14 28 36 60
NSV 01785		2388-00793	04 58 09.814	+31 08 46.86			
NSV 01812†		2392-00529	05 03 58.529	+33 01 34.10	S05006+3257		36
NSV 01813		1857-00560	05 03 54.190	+29 49 04.22		-	
PS Aur		2393-01219	05 11 04.051	+32 18 05.72		IS	11 36 60
NSV 01914			05 18 40.129	+32 42 03.67	05154+3238	-	
NSV 01916		1859-00532	05 18 55.284	+29 38 21.01			
NSV 01924			05 19 56.693	+27 59 41.04		-	
NSV 01933		1855-00004	05 20 26.474	+28 04 15.92		-	
NSV 01935		1859-01093	05 20 35.465	+28 58 47.89		E:	
NSV 01954			05 24 13.994	+32 27 44.89		-	
NSV 01961		2407-00550*	05 25 01.908	+33 08 34.01		-	
NSV 01900		1287-01111	05 16 12.835	+18 40 58.26	05132+1837		
NSV 01979		1308-01847	05 26 24.794	+22 02 03.12			
NSV 01995			05 27 50.755	+22 59 22.28			
NSV 02365		1302-01161	05 36 07.589	+17 51 49.86	05331+1749	-	
NSV 02419		1861-00908	05 36 54.122	+23 34 08.18			
NSV 02542		1302-00735	05 40 26.928	+17 52 38.28		-	
HY Tau		1306-00895	05 43 22.368	+19 24 05.22		EA	27 41 64 65
NSV 02662		1862-00287	05 50 40.666	+22 41 46.79		-	
Known variables (Prager 1934, <i>et al.</i>)							
RV Tau		1835-01075	04 47 06.742	+26 10 45.19	04440+2605	RVB	4 6 44 54
TT Tau		1843-00772	04 51 31.262	+28 31 36.88	04483+2826	SRB	9 15 54
UY Aur		2387-00982	04 51 47.371	+30 47 13.88	04486+3042	INT	19 34 36 49 54 63
AB Aur	3554	2387-00812*	04 55 45.809	+30 33 04.45	04525+3028	INA	4 9 22 32 54 56 63
SU Aur	2928	2387-00977*	04 55 59.345	+30 34 02.15	04528+3029	INSB	4 8 9 22 32 36 47 49 54 56 63
AM Aur		2391-00611	04 56 36.974	+32 12 10.73		EA*	4 36 56 58
UW Tau		1836-00589	04 57 20.885	+25 37 44.18	04542+2533	LB	43
BE Aur		1844-00677	04 59 39.948	+29 58 26.69		EA	23 56
DG Aur		2392-00156	05 01 33.562	+32 34 01.81		INSA	23 63
Kur sv†		2392-00021	05 03 43.525	+33 02 40.86		E:	36
RT Tau		1845-02557	05 04 13.987	+23 38 50.50		CST	4
VZ Tau	3776	1294-01494	05 05 14.246	+21 45 49.43		ISB	30 62 65
Ts 492†		1853-00578*	05 07 00.948	+26 56 36.21			60 64 65
PR Aur†			05 07 34.470	+28 59 47.23		L	60
DN Aur		2393-00331*	05 07 59.930	+33 23 51.87		RRC	23 50 60 64 65
RW Aur		2389-00955	05 07 49.518	+30 24 05.54	05046+3020	INT	6 8 9 15 33 37 46 49 54 61 63
WX Tau		1294-01484	05 08 16.843	+21 56 43.69	05052+2152	M	69
DP Aur		2389-00962	05 09 27.306	+30 23 21.79	05062+3019	M	23
DQ Aur		2397-01092	05 09 59.693	+34 28 44.83	05066+3425	LB	23

Table 4: Positions and identifications in MWF 105, 108, and 111

GCVS	HV	GSC	RA(J2000)	Dec(J2000)	IRAS	Type	Charts
DT Aur		2393-00867	05 10 32.316	+32 10 42.82	05072+3207	M	10 23 36
DU Aur			05 11 14.537	+31 19 49.23	05080+3116	M	25 30 36
DV Aur		2397-01322	05 13 20.712	+34 37 04.91	05100+3433	SRA	23
AS Tau		1854-00033	05 14 28.510	+27 43 25.00		EA*	55 56 60
EN Aur		2394-01897*	05 15 08.834	+33 44 32.11	05118+3341	LB	10 36 55
AE Aur		2398-00894	05 16 18.206	+34 18 43.99	S05129+3415	INA	4 9 54 61 68
BI Aur			05 16 37.611	+29 52 08.45	05134+2948	M	23
DX Aur		2398-01138	05 18 05.371	+33 46 49.12	05147+3343	SRA	23
AR Aur		2398-01311	05 18 18.914	+33 46 03.00		EA*	9 54 61 68
XX Tau			05 19 24.467	+16 43 01.02		NA	2 7 9 52 54
UV Aur	3322	2394-00373*	05 21 48.930	+32 30 40.98	05185+3227	M	1 8 9 15 36 54
EG Aur		2407-00916	05 26 51.442	+32 03 10.19	05236+3200	SRB	11 23 36
S Aur		2411-00222	05 27 07.428	+34 08 59.24	05238+3406	SR	4 16 39 54
T Aur			05 31 59.139	+30 26 44.95		NB*	2 7 9 21 29 31 54 66 67
AL Tau		1852-00675	05 33 54.844	+26 01 01.56		EA	23
AD Tau		1852-00387	05 34 16.963	+25 36 16.29	05311+2534	I	54 55
AE Tau		1852-00671*	05 34 36.705	+26 12 07.72		CEP	23 51
RR Tau		1869-00335	05 39 30.530	+26 22 26.36	05363+2620	INSA	5 18 22 34 37 53 54 61
AT Tau		1869-01345	05 39 55.682	+27 51 05.36	05367+2749	LB	24
AW Aur			05 40 00.698	+28 42 48.79	05368+2841	M	36 54 55
AB Tau		1869-01391	05 41 02.479	+28 06 23.08	05378+2804	SRA	8 9 15 54
AU Tau		1874-00617	05 43 31.027	+28 07 43.93		SRA	23 60
TU Tau		1866-02572	05 45 13.745	+24 25 12.40	05421+2424	SRB	9 15 54
Y Tau		1311-03045	05 45 39.384	+20 41 42.32	05426+2040	SRB	9 17 54
SU Tau	3089		05 49 03.724	+19 04 21.77	05461+1903	RCB	3 15 54 56 70
AY Tau		1866-01969	05 49 48.823	+25 25 24.46	05467+2524	LB	24
BB Tau		1867-02497*	05 52 18.620	+25 49 42.02	05492+2549	LB	24
BC Tau		1863-00151	05 52 58.817	+24 14 30.23	05499+2413	LB	24
BD Tau		1863-00969	05 53 41.410	+23 51 42.84	05506+2351	LB	24 40

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REMARKS to Table 4:

S Aur = HD 35556 (Nb) = BD +34°1044 = 2MASS J0527074+340859 = Case 10 = CCDM J05270+3409 A
 = CCS 336 = CMC 904182 = FuenC 49 = IDS 05205+3405 A = IRC +30114 = MSX5C G173.4867-00.5118
 = RAFGL 748
 T Aur = HR 1841 = HD 36294 (Pec) = BD +30°923a = 2MASS J0531591+302644 = N Aur 1891 = Wack 507.
 Type NB+EA.
 RW Aur = HD 240764 (G0) = BD +30°792 = 1RXH J050749.3+302406 = 1RXH J050749.3+302409
 = 1RXH J050749.4+302406 = 1RXH J050749.5+302407 = 1RXH J050749.5+302408
 = 1RXS-F J050746.3+302419 = AGK3 +30°486 = 27.1906 = CCDM 05078+3024 A = CMC 903924
 = HIP 23873 = HRC 80 = IDS 05014+3016 A = PPM 69942
 SU Aur = HD 282624 (G0) = BD +30°743 = 1RXS J045600.1+303400 = 1WGA J0455,9+3033
 = 1WGA J0455.9+3034 = 2E 0452.7+3029 = 2MASS J0455593+303401 = 2RXP J045559.6+303358
 = AGK3 +30°464 = 76.1907 = HIP 22925 = HRC 79 = PPM 69760 = SAO 057509 = SSV LDN 1517-2.

GSC image is classified as non-stellar.

UV Aur = HD 34842 (Pec) = BD +32°957 = 2MASSI J0521490+323037 = ADS 3934 A = AGK3 +32°505 = 58.1911 = Case 9 = CCDM 05218+3231 A = CCS 318 = CMC 503377 = DO 11210 (R?) = FuenC 29 = HIP 25050 = IRC +30110 = Lee 179 = MSX5C G174.2191-02.3493 = PPM 70251 = RAFGL 735 = SAO 057941. GSC image is classified non-stellar.

UY Aur = 2MASSI J0451473+304713 = 3.1913 = CCDM 04518+3047 A = CMC 903705 = HH 386 = HRC 76 = IDS 04454+3037 A

AB Aur = HD 31293 (A0) = BD +30°7461 = 1WGA J0455.7+3032 = 2MASSI J0455458+303303 = 2MASSI J0455458+303304 = 2RXP J045546.6+303258 = AGK3 +30°462 = AFGL 5130 = CMC 804771 = FM 5 = GC 5998 = HIP 22910 = HRC 78 = IRAS S04525+3028 = MWC 93 = PPM 69756 = RAFGL 5130 = SAO 057506 = SSV LDN 1517-1 = TD1 3698 = VdB 31. GSC image is classified non-stellar.

AE Aur = HR 1712 = HD 34078 (B0p) = BD +34°980 = 1RXS-F J051621.2+341903? = 1WGA J0516.3+3418 = 2MASSI J0516181+341844 = 2RXP J051618.7+341844 = ADS 3843 A = AGK3 +34°542 = CCDM 05163+3419 A = Cel 587 = CMC 805069 = GC 6429 = HIP 24575 = IRAS S05130+3415 = LS V +34°3 = MCW 290 = PPM 70112 = SAO 057816 = SEI 136 A = TD1 4252 = VdB 34

AM Aur = HD 282585 (F0) = BD +31°832 = 2MASSI J0456369+321210 = AGK3 +32°463 = 425.1928 = CMC 903774 = PPM 69768 = SAO 057516. Type EA/DS.

AR Aur = 17 Aur = HR 1728 = HD 34364 (B9) = BD +33°1002 = 1WGA J0518.3+3346 = 2MASSI J0518189+334602 = 2RXP J051819.0+334600 = AGK3 +33°490 = Cel 595 = GC 6476 = HIP 24740 = PPM 70158 = SAO 057858 = TD1 4315. Type EA/DM.

AW Aur = 2MASSI J0540006+284248 = D75 28 = IRAS S05368+2841 = IRC +30123 = MSX5C G179.5430-01.1616 = PEP 18 = RAFGL 5160 = SVS 333

BE Aur = 2MASSI J0459399+295827 = 110.1931 = P 147

BG Aur = 2MASSI J0509385+283928

BH Aur = CMC 805010 = HIP 24226

BI Aur = 2MASSI J0516375+295208 = 117.1931 = P 173. Absent from USNO-A1.0 and USNO-A2.0.

CG Aur = HD 282898 (A7) = CMC 903872 = HV 6870 = P 2671. Type EA/DM.

CH Aur = P 2675. Type EA/SD.

CI Aur = 2MASSI J0509229+292716 = P 2692. Type EA/SD.

CL Aur = CMC 1005693 = P 2699. Type EA/SD.

DG Aur = 112.1931 = P 150

DN Aur = CMC 1005608 = 113.1931 = P 156. GSC image is classified non-stellar. There is a companion, fainter on GSS (Pal-QV) plate 004B, at $\rho = 5''.81$, $\theta = 42^\circ 4$.

DP Aur = 323.1930 = P 161

DQ Aur = 2MASSI J0509596+342840 = 324.1930 = DO 11083 (M5) = MSX5C G171.1836-03.2164? = P 163

DT Aur = 2MASSI J0510321+321041 = 325.1930 = MSX5C G173.1097-04.4849 = P 167

DU Aur = P 168 = Ross 155

DV Aur = 326.1930 = MSX5C G171.4780-02.5769 = P 169

DW Aur = 2MASSI J0514258+300102 = 38.1936 = P 2704

DX Aur = 2MASSI J0518053+334648 = 118.1931 = P 176

EG Aur = 2MASSI J0526514+320310 = 328.1930 = CMC 1005884 = IRC +30113 = MSX5C G175.1962-01.7263? = P 184 = RAFGL 44145

EN Aur = 2MASSI J0515089+334427 = 606.1936 = CMC 904025 = DO 11141 (M3) = MSX5C G172.4082-02.7853 = P 172 = SVS 330. GSC image is classified non-stellar.

GY Aur = 1WGA J0456.8+3035 = 2MASSI J0456485+303536 = CMC 903778 = CSV 100423 = P 2657

GZ Aur = 2MASSI J0500031+300107 = CSV 471 = P 2662 = PEP 3

HO Aur = 1RXS-F J050747.1+312028 = CMC 903923 = CSV 495 = P 2687 = SS 25

NT Aur = 2MASSI J0509053+294019 = CSV 499 = P 2688. Type EA/SD.

NU Aur = 2MASSI J0509023+284052 = CSV 501 = P 2689

OZ Aur = CSV 478 = P 2665

PP Aur = 2MASSI J0504366+284121 = CSV 484 = P 2673

PQ Aur = 2MASSI J0506117+291848 = CSV 487 = P 2679

PR Aur = 2MASSI J0507345+285947

PS Aur = CMC 1005660 = CSV 506 = P 2697

PW Aur = 1RXS-F J051827.4+300850 = 2MASSI J0518274+300849 = CSV 528 = P 2714

Y Tau = HR 1977 = HD 38307 (Nb) = BD +20°1083 = 2MASSI J0545394+204139 = AGK3 +20°553 = Case 507 = CCS 393 = DO 11544 (N) = GB6 J054542.3+204220? = HIP 27181 = IRC +20121 = Lee 30 = MSX5C G187.0526-04.2758 = PPM 94811 = RAFGL 5168 = SAO 077516

RR Tau = BD +26°887a = 2MASSI J0539305+262226 = AAO +26°121 = 6.1900 = AS 103 = CMC 1101840 = FMC 11 = HRC 170 = IRAS S05363+2620 = IRAS S05364+2619? = LkH α 206 = MSX5C G18.4667-02.4985. Absent from USNO-A1.0 and USNO-A2.0.

RT Tau = HD 285122 (A0) = 2MASSI J0504139+233850 = AGK3 +23°475 = 2.1904 = GJTGTZ 55285 = GJTR 2275 = NGC 1746-Cuf 32 = PPM 94025 = SAO 076934 = SchM 56 = TZS98 346

- RV Tau = HD 283868 (K0) = BD +25°732 = 2MASSI J0447067+261045 = AGK3 +26°443 = 45.1905 = CMC 903634 = DO 10741 (K5) = Elia 3-20 = IRAS F04440+2605 = PPM 93762
- SU Tau = HD 247925 (G0) = 2MASSI J0549037+190421 = 47.1908 = IRAS S05460+1903 = IRAS S05461+1903 = MSX5C G188.8603-04.4226. The identification in the *Hipparcos Input Catalogue* (HIC 27465) is incorrect.
- TT Tau = HD 30755 (Nb) = BD +28°707 = 2MASSI J0451312+283137 = AGK3 +28°462 = CCS 254 = CMC 903694 = DO 10805 (N) = HIP 22578 = IRC +30098 = Kiso C2-2 = Lee 172 = PPM 93827 = RAFGL 639 = SAO 076788
- TU Tau = HD 38218 (Nb) = BD +24°943 = 2MASSI J0545137+242512 = AGK3 +24°542 = Case 11 = CCS 390 = DO 11540 (N) = FuenC 100 = HIP 27135 = IRC +20120 = Kiso C2-57 = MSX5C G183.8099-02.4272 = RAFGL 812 = SAO 077502
- UW Tau = 2MASSI J0457208+253744 = 23.1916 = CCS 3246 = DO 10902 (M0) = Kiso C2-6
- VZ Tau = 2MASSI J0505142+214549
- WX Tau = 2MASSI J0508168+215643 = 121.1925 = IRAS F05052+2152 = SVS 66
- XX Tau = 100.1927 = N Tau 1927. Not detected in 2MASSI.
- AB Tau = HD 246162 (M3) = BD +28°847 = 2MASSI J0541024+280623 = AGK3 +28°536 = 5.1932 = DO 11464 (M6) = HIP 26754 = IRC +30125 = MSX5C G180.1777-01.2914 = PPM 94661 = RAFGL 800
- AD Tau = CMC 1101785 = MSX5C G181.4886-03.9035 = SVS 331. Not detected in 2MASSI.
- AE Tau = 2MASSI J0534366+261208 = 120.1931 = CMC 1101788. Misidentified as GSC 1852-00707 in SIMBAD. Both GSC images of AE Tau are classified non-stellar. There is a companion, fainter on GSS (Pal-QV) plate 000M, at $\rho = 8''.49$, $\theta = 249^\circ.1$.
- AL Tau = 2MASSI J0533548+260101 = 329.1930 = P 193. The identification in the *Carlsberg Meridian Catalogue*, **11** (CMC 1101779) is incorrect.
- AO Tau = 2MASSI J0449445+282029 = IRAS F04466+2815
- AP Tau = 2MASSI J0454447+265527
- AQ Tau = 2MASSI J0455579+275328 = CMC 903765. Type EA/SD:.
- AR Tau = 2MASSI J0506165+272215
- AS Tau = 2MASSI J0514284+274324 = CMC 1005713 = P 170 = SVS 329. Type EA/SD.
- AT Tau = 2MASSI J0539556+275105 = 121.1931 = IRAS S05367+2749 = MSX5C G180.2641-01.6351 = P 301
- AU Tau = 2MASSI J0543310+280744 = 330.1930 = CMC 1101872 = MSX5C G180.4451-00.8154? = P 318
- AX Tau = 2MASSI J0549435+240655 = 44.1936 = MSX5C G184.6016-01.7072
- AY Tau = 123.1931 = MSX5C G183.4884-01.0184 = P 326
- BB Tau = 125.1931 = CMC 904591 = CSS 165 = MSX5C G183.4286-00.3275 = P 330. Both GSC images are classified non-stellar. There is a companion, fainter on GSS (Pal-QV) plate 000M, at $\rho = 10''.71$, $\theta = 58^\circ.8$.
- BC Tau = 2MASSI J0552587+241430 = 2MASSI J0552588+241431 = 126.1931 = GLMP 132 = MSX5C G184.8717-01.0044 = P 333 = PCC93 86 = RAFGL 5171 = ZOAG 184.95-00.85 = ZPT98 184.96-00.85
- BD Tau = 2MASSI J0553413+235143 = 2MASSI J0553414+235145 = 127.1931 = CMC 1006242 = MSX5C G185.2810-01.0573 = P 335
- BS Tau = 2MASSI J0458514+283124 = P 2660
- BV Tau = 2MASSI J0538347+225444 = CMC 1101828 = P 2769. Type EB/KE:.
- DS Tau = 1RXS-F J044751.2+292508 = 2MASSI J0447485+292511 = CMC 903647 = HRC 75 = MH α 259-2 = P 2641. The GSC image (classified non-stellar) and USNO-A1.0 and USNO-A2.0 counterparts are blends with a companion, fainter on GSS (Pal-QV) plate 02TR, at approximately $\rho = 7''.4$, $\theta = 298^\circ$.
- DW Tau = 2MASSI J0537440+174529 = P 2766
- EF Tau = 2MASSI J0543317+192512 = CMC 1101873 = P 2784
- EG Tau = 2MASSI J0545439+183815 = 2MASSI J0545439+183815 = P 2791
- EI Tau = 2MASSI J0546565+175431 = CCS 160 = P 2793
- GP Tau = HD 37291 (Mc) = BD +24°898 = 2MASSI J0538326+250006 = AAO +24°117 = AGK3 +24°524 = CSV 636 = DO 11425 (M6) = IRC +20116 = MSX5C G182.5147-03.4131 = P 2767 = RAFGL 788
- GQ Tau = HD 246295 (B9) = 2MASSI J0541349+255952 = CMC 1101861 = CSV 655 = HV 6919 = P 2775. Type EA/SD:.
- HY Tau = 2MASSI J0543223+192405 = CMC 1006123 = CSV 669 = P 2782
- V591 Tau = 2MASSI J0447321+274107 = CSV 439 = DO 10751? = P 2642. The identification (Rastorguev, A.S. 1972, Perem. *Zvezdy Prilozhenie*, 1, 319) with DO 10751 (M7), nominally 5'.4 distant, is extremely doubtful; however, no alternative candidate is evident in USNO-A2.0.
- V592 Tau = 2MASSI J0501421+251543 = CSV 475 = P 2664. Type EA/DS.
- V720 Tau = 2MASSI J0452016+290004 = CSV 445 = IRC +30099 = P 2647 = RAFGL 4383S
- V721 Tau = 2MASSI J0456033+273559 = CMC 903767 = CSV 460 = P 2654
- V723 Tau = 2MASSI J0506461+283523 = CSV 490 = P 2682. Type EA/SD.
- V836 Tau = 1E 0500.0+2518 = 1RXS-F J050306.1+252343 = 1WGA J0503.0+2523 = 1WGA J0503.1+2523 = 2RXP J050306.0+252312 = 2RXP J050306.6+252320 = BCK99 L1544A-6 = CSV 479 = FK X-Ray 3 = FK83 LDN 1544-12 = HRC 429 = NSV 01811 = P 2669

- V961 Tau = 2MASSI J0544259+215313 = CSV 674 = Case 580 = DO 11529 (K5)
 = MSX5C G185.8816-03.9013? = NSV 02602 = P 2786
- NSV 01785 = 2MASSI J0458098+310846 = CSV 100424 = P 2658
- NSV 01812 = 2MASSI J0503585+330134 = CSV 100436 = DO 10994 (M4) = P 2670
- NSV 01813 = CSV 100437 = P 2672
- NSV 01825 = 2MASSI J0506340+304601 = CSV 489 = P 2680
- NSV 01829 = 2MASSI J0507002+265919 = CSV 492 = GSC 1853-01854 = P 2684
- NSV 01845 = 2MASSI J0509074+260818 = CSV 502 = P 2693
- NSV 01869 = 2MASSI J0512468+293859 = CSV 510 = P 2700. USNO-A1.0 and USNO-A2.0 counterparts are blends with a companion, fainter on GSS (Pal-QV) plate 00DH, at $\rho = 4''.07$, $\theta = 66^\circ.7$. It is unclear which component is the suspected variable.
- NSV 01885 = 2MASSI J0515076+182229 = 2MASSI J0515076+182229 = CSV 515 = P 2705
- NSV 01886 = 2MASSI J0515290+224208 = CSV 518 = P 2706
- NSV 01890 = 2MASSI J0515411+184037 = CSV 520 = P 2709
- NSV 01894 = 2MASSI J0516010+251805 = CSV 521 = P 2708
- NSV 01896 = 2MASSI J0516092+312603 = CSV 519 = P 2707
- NSV 01900 = 2MASSI J0516128+184058 = CSV 100466 = IRAS F05132+1837 = P 2711
- NSV 01914 = 2MASSI J0518401+324204 = CSV 100469 = MSX5C G173.6853-02.7852 = P 2715
- NSV 01916 = 2MASSI J0518552+293821 = CSV 100470 = P 2716
- NSV 01919 = BD +24°815 = 2MASSI J0519019+244549 = AGK3 +24°483 = CSV 532 = HV 6899 = IRAS 05159+2442 = IRC +20104 = P 2717. The identifications of BD +24°815 in the *AGK3* (AGK3 +24°482) and *PPM* (PPM 94259) catalogues are incorrect.
- NSV 01924 = 2MASSI J0519566+275941 = CSV 100476 = P 2719
- NSV 01930 = 1RXS-F J052022.1+294420 = 2MASSI J0520211+294424 = CSV 537 = P 2721
- NSV 01931 = 2MASSI J0520062+172847 = CSV 541 = P 2728
- NSV 01932 = 2MASSI J0520096+192848 = CSV 540 = P 2727
- NSV 01933 = 2MASSI J0520264+280416 = CSV 100478 = P 2724
- NSV 01935 = 2MASSI J0520354+285848 = CSV 539 = P 2725
- NSV 01942 = 2MASSI J0521514+283842 = CSV 548 = P 2731
- NSV 01949 = 2MASSI J0522457+290704 = CSV 552 = P 2734
- NSV 01954 = 2MASSI J0524139+322744 = CSV 100480 = P 2736
- NSV 01958 = CSV 559 = P 2738
- NSV 01961 = 2MASSI J0525018+330834 = CSV 100481 = P 2737. Both GSC images classified non-stellar. There is a companion, fainter on GSS (Pal-QV) plate 00DH, at approximately $\rho = 5''.0$, $\theta = 96^\circ$.
- NSV 01968 = 2MASSI J0525205+294536 = CSV 561 = P 2739. Absent from USNO-A1.0 and USNO-A2.0.
- NSV 01973 = 2MASSI J0525431+203759 = CSV 565 = P 2741
- NSV 01976 = CSV 567 = P 2744
- NSV 01979 = CSV 100484 = P 2743
- NSV 01981 = CSV 569 = P 2745
- NSV 01987 = 2MASSI J0527064+165611 = CSV 571 = P 2746
- NSV 01995 = CSV 100488 = P 2748
- NSV 02026 = 1RXS-F J052954.9+184817 = CSV 580 = P 2750
- NSV 02059 = CSV 582 = P 2751
- NSV 02118 = 2MASSI J0533291+242701 = CSV 591 = P 2754
- NSV 02134 = 2MASSI J0533352+182056 = CSV 592 = P 2755
- NSV 02181 = 2MASSI J0534411+175318 = CSV 595 = P 2758
- NSV 02249 = 2MASSI J0535338+235318 = CSV 602 = P 2759
- NSV 02302 = 2MASSI J0535552+251827 = CSV 604 = P 2760. GSC image classified non-stellar.
- NSV 02365 = 2MASSI J0536076+175149 = 2MASSI J0536075+175150 = CSV 100580 = P 2761
- NSV 02419 = 2MASSI J0536541+233408 = CSV 100613 = P 2762
- NSV 02442 = 2MASSI J0537266+222031 = CSV 629 = P 2765
- NSV 02520 = 2MASSI J0539348+185238 = CSV 648 = P 2773
- NSV 02542 = 2MASSI J0540269+175238 = CSV 100667 = P 2774
- NSV 02662 = 2MASSI J0550406+224146 = CSV 100687 = P 2794
- HV 6878 = 2MASSI J0507358+290016 = CSV 494 = P 2686. HV 6878 is marked as comparison star 'a' on Tsesevich's chart for CSV 494.
- Ts 492 = 2MASSI J0507009+265637. Both GSC images are classified non-stellar. There is a companion, fainter on GSS (Pal-QV) plate 005N, at $\rho = 6''.29$, $\theta = 6^\circ.2$.

Table 5: Positions and identifications in MWF 239

GCVS	HV	GSC	RA(J2000)	Dec(J2000)	IRAS	Type	Charts
V501 Cen	7375	7816-00194	14 11 49.978	-43 56 30.70		RR	15
V503 Cen	7376		14 12 45.278	-40 23 46.97		RRAB	1 11 15
V505 Cen	7377		14 13 01.246	-45 33 10.22	14098-4519	M	2 11 15
V633 Cen	7378	7816-01657	14 13 02.568	-43 48 18.25		RR	
V506 Cen	7379		14 13 14.818	-41 02 37.76		M	11 15
V415 Cen	7380	7816-02232	14 13 19.774	-44 53 38.22		CWA	2 11 15
V507 Cen	7381	8264-01357*	14 14 37.746:	-45 48 43.86:	14114-4534	SRA	2 11 15
V508 Cen	7382	7812-02854	14 14 56.750	-41 35 54.71		EW*	1 11 15
V637 Cen	7383	7808-01155	14 16 34.891	-40 00 26.78		EW*	1 11 15
V510 Cen	7384	7808-00774	14 17 01.054	-40 40 16.00	14139-4026	L	1 11 15
V511 Cen	7385	7804-00675	14 17 23.982	-37 42 41.79	14143-3728	M	11 15
V512 Cen	7386	7804-01376	14 19 29.995	-38 42 45.61		E	15
CU Lup	7387		14 19 49.322	-46 08 39.12	F14165-4554	M	11 15
CV Lup	7388	7817-01930	14 20 09.962	-44 34 02.24		RRAB	11 15
V514 Cen	7389		14 20 02.071	-40 28 07.04		RRAB	11 15
CW Lup	7390	7817-00118	14 20 23.078	-44 31 59.76		RR	10 11 14 15
CX Lup	7391	8277-02618	14 21 16.438	-46 06 59.33		E/SD	2 11 15
CY Lup	7392	7817-01982	14 22 02.362	-44 17 46.61	14188-4404	SRB	11 15
V515 Cen	7393		14 22 01.881	-42 05 13.99		RRAB	11 15
NSV 06639	7394	8277-02176*	14 22 20.310	-45 22 05.50			
EY Lup	7395		14 23 05.541	-42 44 52.26		RR	11 15
CZ Lup	7396		14 23 15.370	-44 37 22.30	14200-4423	M:	11 15
DD Lup	7397	7813-00593	14 23 20.729	-42 39 39.78	14202-4226	M	11.15
DE Lup	7398	7817-00530	14 23 53.486	-44 50 11.72		M	15
V516 Cen	7399	7809-02011	14 23 51.720	-40 21 25.42	14207-4008?	SR	15
DF Lup	7400	7817-01454	14 24 26.280	-44 14 40.09	14212-4401	M	11 15
V517 Cen	7401	7809-00116	14 25 31.872	-40 53 33.72	F14223-4039	L	11 15
DG Lup	7402	7817-00444	14 25 44.153	-44 18 34.09		EW*	11 15
DH Lup	7403		14 26 07.769	-43 50 48.32		RRAB	11 15
V518 Cen	7404	7813-03003*	14 27 17.104	-41 47 03.70		RR	11 15
EZ Lup	7405		14 28 10.951	-44 45 27.26		RR	11 15
V519 Cen	7406		14 28 29.509	-41 41 55.80	F14253-4128?	M	11 15
DI Lup	7407		14 29 33.254	-45 44 37.72		RRAB	
V895 Cen	7408		14 29 27.229	-38 04 09.99		E*	6 7
V522 Cen	7409	7307-01643	14 29 27.578	-37 13 44.42		RR	11 14 15
V523 Cen	7410		14 29 42.279	-40 23 23.75		RR	15
V640 Cen	7411	7307-02446	14 29 42.109	-37 11 56.04		RR	11 15
V524 Cen	7412	7809-00603	14 29 56.340	-39 22 30.72	14268-3909	LB	3 4 11 15
V525 Cen	7413	7814-00271	14 30 20.304	-42 00 33.84		LB	11 15
NSV 06689	7414		14 31 01.638	-37 47 51.84		S	
V526 Cen	7415		14 31 37.183	-41 48 44.72		RRAB	11 15
DK Lup	7416		14 32 24.804	-44 46 29.71		RRAB	11 15
V527 Cen	7417		14 32 18.325	-40 49 13.97		RR	11 15
V528 Cen	7418	7307-01827	14 32 12.836	-37 18 05.67		L	11 15
V529 Cen	7419		14 32 18.948	-38 08 35.81		RRAB	11 15
V530 Cen	7420		14 32 57.084	-40 54 34.64		M:	3 4 15
DL Lup	7421	8278-00844	14 33 15.523	-46 12 42.08	14299-4559	LB	11 15
DN Lup	7422		14 33 23.835	-43 20 45.73		RR	11 15
DO Lup	7423	7818-00075	14 33 51.632	-43 19 30.60	14306-4306	LB	11 15
DP Lup	7424	8278-01101*	14 34 25.421:	-45 30 54.76:		SR	11 15
V531 Cen	7425	7810-00164	14 35 08.482	-40 14 30.39	14320-4001	LB	3 4 11 25
DQ Lup	7426	7818-00033	14 35 21.479	-43 09 52.03		RR	11 15
DR Lup	7427	7814-02038	14 35 20.328	-42 55 40.91		SR	15
DS Lup	7428		14 35 34.720	-44 06 49.80		RRAB	11 15
DU Lup	7429		14 36 37.910	-43 15 40.30		RRAB	15
V532 Cen	7430	7810-00111	14 36 45.034	-41 12 33.64	14335-4059	RS:	3 4 5 11 12 13 15
DV Lup	7431	7814-02364	14 36 48.005	-42 38 43.84		RRAB	11 15
V533 Cen	7432	7810-00197	14 36 42.862	-39 27 56.56	14335-3914	SR	3 4 11 15
V534 Cen	7433	7810-02299	14 37 33.662	-39 30 06.19		RR	3 4 11 15

Table 5: Positions and identifications in MWF 239

GCVS	HV	GSC	RA(J2000)	Dec(J2000)	IRAS	Type	Charts
V535 Cen	7434	7308-01701	14 37 27.342	-37 03 01.35		RR	11 14 15
V536 Cen	7435	7806-00150	14 37 50.900	-37 34 33.88		E/SD:	11 15
V537 Cen	7436	7810-00170	14 38 10.704	-39 56 30.88	14350-3943	LB	3 4 11 15
V538 Cen	7437	7810-01133*	14 38 13.868	-40 25 37.94		RR	3 4 14 15
V539 Cen	7438	7814-00865	14 38 20.944	-41 46 03.36		RR	11 15
V540 Cen	7439		14 38 36.719	-40 18 21.22		ISA	11 15
DX Lup	7440	8279-01910	14 39 11.782	-45 15 42.70		M:	11 15
DY Lup†	7441		14 39 57.204	-43 14 09.49	14367-4301	M	11* 15*
DZ Lup†	7442	7818-00118	14 39 46.139	-43 15 47.16	14365-4302	LB:	11* 15*
EE Lup	7443		14 40 08.236	-45 32 45.65	14368-4519	M	11 15
V542 Cen	7444		14 40 14.352	-40 29 53.47		RR	3 4 11 15
EF Lup	7445	7831-02335	14 40 49.207	-44 41 56.26		LB	11 15
NSV 06758	7446		14 40 45.678	-41 45 52.57			
V543 Cen	7447	7827-02002	14 41 05.508	-42 24 52.96		SR	11 15
EG Lup	7448	8279-02064	14 42 28.968	-45 14 50.96		RRAB	11 15
V544 Cen	7449		14 42 21.129	-38 40 24.15		E/SD:	11 15
V546 Cen	7450	7823-02081*	14 43 10.393	-40 48 20.30	14400-4035	L	15
V547 Cen	7451	7819-00168	14 43 10.570	-38 12 10.76		RRAB	11 15
V642 Cen	7452		14 43 27.243	-41 02 06.08	14402-4049	RR	11 15
V548 Cen	7453	7823-00185	14 43 48.866	-40 17 45.92	14406-4005	L	11 15
EH Lup	7454	7831-01437	14 44 50.167	-43 58 15.85		RRAB	11 15
V551 Cen	7455		14 45 48.950	-41 26 12.85	14426-4113	SR	15
V552 Cen	7456		14 46 30.677	-41 53 35.51		RR	11 15
NSV 06795	7457	7827-00990*	14 46 58.216	-41 17 53.37			
EI Lup	7458	7831-02097*	14 47 24.980	-44 39 13.73		RRAB	11 15
V554 Cen	7459		14 47 34.541	-37 18 16.54		RRAB	11 15
V555 Cen	7460	7827-01238	14 48 05.402	-41 45 23.65		SR	11 15
V556 Cen	7461	7827-00860*	14 48 10.517	-41 34 44.25	14449-4122	SR	11 15
NSV 06804	7462	7827-00687*	14 48 21.286	-42 15 43.71	F14451-4203		
V557 Cen	7463		14 48 14.421	-38 18 32.44	14451-3806	M	11 15
EL Lup	7464	7831-01029	14 48 34.150	-43 58 26.26		SR	
V558 Cen	7465	7827-00010	14 49 00.648	-41 26 56.80		RR	11 15
V559 Cen	7466	7827-01170	14 49 23.201	-41 50 38.44		RRAB	11 15
EM Lup	7467		14 49 31.420	-43 24 35.50	F14462-4312	M	11 15
V560 Cen	7468	7823-01454	14 49 24.847	-40 04 28.92		L	11 15
V561 Cen	7469	7823-01426	14 49 28.915	-40 05 07.48	14462-3952	L	11 15
RY Cen	7470	7827-00067	14 49 52.435	-42 30 49.04	14466-4218	M	13
V563 Cen	7471		14 49 50.867	-38 53 08.89		RRAB	15
V564 Cen	7472		14 50 14.650	-37 39 31.97		RR	15
V565 Cen	7473	7824-01194*	14 51 14.539	-40 58 34.22		EW*	15
EN Lup	7474	7832-01338	14 51 51.110	-44 59 06.32		SR	11 15
EO Lup	7475		14 51 57.754	-42 41 20.47		M	15
EP Lup	7476	7832-00993	14 52 33.451	-43 24 29.63	14492-4312	M	11 15
NSV 06837	7477		14 52 37.709	-37 43 57.71			
ER Lup	7478	7832-00225	14 54 54.070	-43 14 01.25	F14516-4301	SR	15
ES Lup	7479	7828-01712	14 55 56.050	-42 34 55.99	14526-4222	M	11 15
ET Lup	7480	7828-00114	14 56 34.991	-42 40 02.80	14533-4227	LB	11 15
EU Lup	7481	7832-00391*	14 57 29.108	-43 24 51.66		RRAB	11 15

Variables previously announced by Luyten

V500 Cen	7482	7807-00031	14 09 14.578	-40 15 03.46	14061-4000	M	1 13
V502 Cen	7483	7808-02161	14 12 09.278	-40 10 26.08	F14090-3956	M	1 11 13 15
CT Lup	7484		14 19 40.640	-44 29 33.32	14165-4415?	M	11 15
V520 Cen	7485		14 28 42.225	-39 19 55.83	14256-3906	M	3 4 11 15
V521 Cen	7486	7813-02759	14 28 45.046	-41 52 28.24		M	11 15
DM Lup	7487	7818-01191	14 33 23.611	-44 59 50.03	14301-4446	M	11 15
DW Lup	7488		14 37 30.086	-44 22 11.74	14342-4409	M	
V541 Cen	7489	7806-00806	14 39 26.268	-37 40 54.55		M:	15
V545 Cen	7490		14 42 55.256	-41 18 47.68	14397-4106	M	11 15

Table 5: Positions and identifications in MWF 239

GCVS	HV	GSC	RA(J2000)	Dec(J2000)	IRAS	Type	Charts
V549 Cen	7491		14 43 52.759	-39 54 41.97	14407-3942	M	11 15
V562 Cen	7492	7827-00935	14 49 57.175	-41 55 58.19	14466-4143	M	11 15
EQ Lup	7493		14 54 40.860	-43 44 23.84	F14513-4332	M	11 15
V566 Cen	7494		14 54 44.668	-38 56 46.80	14515-3844	M	11 15
V567 Cen	7495		14 55 57.214	-38 58 28.90		M:	11 15
V568 Cen	7496		14 56 09.863	-41 39 04.97	14529-4126	M	11 15
V569 Cen	7497	7828-01539	14 57 52.874	-41 47 08.04	F14546-4135	M	11 15
Known variables (Prager 1935, <i>et al.</i>)							
V504 Cen	8574	7808-01570	14 12 49.128	-40 21 37.42		RCB	1 11 13 15 16
V509 Cen	8578	7812-01137	14 16 10.150	-42 19 50.27		RR	11 15
V513 Cen	8582	7804-02301	14 19 31.229	-38 51 29.05		RRAB	11 15
RW Lup	3580	7817-02244	14 26 21.314	-44 09 11.95	14231-4355	M	8 9 10 13 15
Z Lup	3164	7818-00129	14 35 51.744	-43 22 02.93	14326-4309	LB	9 10 13 15
V550 Cen	8618	7309-02681	14 44 58.654	-37 21 47.84		M	11 15
TY Lup	4669	8279-00273	14 47 17.326	-45 10 18.37	14439-4457	M	11 15
EK Lup	8623	8279-00119*	14 47 17.920	-45 28 33.63	14439-4516	LB	11 15
NSV 06866	8639	7310-00875	14 58 03.518	-35 49 04.94			
WZ Lup	4685		15 00 12.165	-45 22 52.22		M	11 15
NSV 06880	8641		15 01 09.779	-42 44 51.56	14579-4233		
AO Cen	3537	7829-00911	15 00 51.629	-42 29 36.65	14575-4217	M	
YY Lup	4689	8293-02228	15 02 57.761	-45 28 04.19		E/SD:	11 15

FINDING CHART REFERENCES for Table 5:

- 1 Bateson, F.M., Morel, M. 1979, *Charts for Southern Variables*, ser. 11
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REMARKS to Table 5:

RY Cen = HD 130471 (Md) = 135.1904 = HV 868 = IRAS F14466-4218 = P 3826

AO Cen = CoD -41°9373 = CPD -41°6993 = IRAS F14575-4217

V415 Cen = P 3686

V500 Cen = CoD -39°8730 = 230.1933 = IRAS F14062-4000? = P 933

V501 Cen = P 3680

V502 Cen = 233.1933 = P 936

V503 Cen = P 3681

V504 Cen = 354.1935 = P 3683

V505 Cen = P 3682. There is a companion, fainter on GSS (SERC-J) plate 02MC, at $\rho = 12''.20$, $\theta = 21^\circ.7$, which cannot be excluded as the variable.

V506 Cen = P 3685

- V507 Cen = IRAS F14114-4534? = P 3690 Absent from USNO-A2.0. The GSC images (both classified non-stellar) and USNO-A1.0 counterpart are blends with a companion, brighter on DSS2 (UK Schmidt IIIaF) plate A0UP, at $\rho = 5''.48$, $\theta = 203^\circ 1$.
- V508 Cen = P 3691. Type EW/KW.
- V509 Cen = 356.1935 = P 3692. The GSC images (both classified non-stellar) and USNO-A1.0 and USNO-A2.0 counterparts are probably affected by a companion, fainter on GSS (SERC-J) plate 0163, at $\rho = 4''.24$, $\theta = 294^\circ 9$.
- V510 Cen = IRAS F14139-4026 = P 3694
- V511 Cen = P 3695
- V512 Cen = P 3704
- V513 Cen = 235.1933 = P 941
- V514 Cen = P 3707
- V515 Cen = P 3712
- V516 Cen = P 3719
- V517 Cen = P 3723
- V518 Cen = P 3727. GSC image is classified non-stellar. There is a companion, fainter on GSS (SERC-J) plate 0163, at $\rho = 5''.43$, $\theta = 96^\circ 9$.
- V519 Cen = P 3730
- V520 Cen = 363.1935 = P 3732
- V521 Cen = 364.1935 = P 3731
- V522 Cen = P 3735
- V523 Cen = P 3736
- V524 Cen = CoD $-38^\circ 9415$ = IRAS F14268-3909? = P 3738 = PPM 745984
- V525 Cen = P 3739
- V526 Cen = P 3742
- V527 Cen = P 3745
- V528 Cen = IRAS F14291-3704? = P 3746
- V529 Cen = P 3747
- V530 Cen = P 3748
- V531 Cen = P 3754
- V532 Cen = 3A 1431-409 = AT 1431-409 = IRAS F14335-4059 = P 3762
- V533 Cen = IRAS F14335-3914? = P 3764
- V534 Cen = P 3767
- V535 Cen = P 3768
- V536 Cen = P 3770
- V537 Cen = IRAS F14350-3943 = P 3771
- V538 Cen = P 3772. GSC image is classified non-stellar. There is a companion, fainter on GSS (SERC-J) plate 04H2, at $\rho = 6''.82$, $\theta = 301^\circ 5$.
- V539 Cen = P 3773. There is a companion, of equal brightness on GSS (SERC-J) plate 04H2, at $\rho = 10''.93$, $\theta = 172^\circ 5$, which cannot be completely excluded as the variable.
- V540 Cen = P 3775
- V541 Cen = 368.1935 = P 3782
- V542 Cen = P 3787
- V543 Cen = P 3791
- V544 Cen = P 3796
- V545 Cen = 373.1935 = IRAS F14397-4106 = P 3798
- V546 Cen = IRAS F14399-4035 = P 3799. GSC image is classified non-stellar. There is a companion, fainter on GSS (SERC-J) plate 04H2, at $\rho = 8''.82$, $\theta = 186^\circ 1$.
- V547 Cen = P 3800. There is a companion, fainter on GSS (SERC-J) plate 04H2, at approximately $\rho = 3''.7$, $\theta = 173^\circ$. It is unclear which component is the variable.
- V548 Cen = CoD $-39^\circ 9155$ = IRAS F14406-4005 = P 3803
- V549 Cen = 242.1933 = P 968. The USNO-A1.0 and USNO-A2.0 counterparts are blends with a companion, slightly fainter on GSS (SERC-J) plate 04H2, at $\rho = 6''.62$, $\theta = 127^\circ 2$. The component listed in Table 5 appears to be the variable.
- V550 Cen = 243.1933 = P 970
- V551 Cen = IRAS F14426-4113 = P 3806
- V552 Cen = P 3807
- V554 Cen = P 3813
- V555 Cen = P 3815
- V556 Cen = 1RXS-F J144806.2-413337? = P 3816. GSC image is classified non-stellar. There is a companion, fainter on GSS (SERC-J) plate 04H2, at $\rho = 5''.00$, $\theta = 156^\circ 6$.
- V557 Cen = IRAS F14451-3806 = P 3819. Bright on DSS2 (UK Schmidt IIIaF) plate A2I7.
- V558 Cen = P 3821

- V559 Cen = P 3822
V560 Cen = P 3824
V561 Cen = IRAS F14462–3952 = P 3825
V562 Cen = 376.1935 = IRAS F14467–4143 = P 3827
V563 Cen = P 3828
V564 Cen = P 3830
V565 Cen = P 3832. Type EW/KW. GSC image is classified as non-stellar. There is a companion, fainter on GSS (SERC-J) plate 04H2, at $\rho = 5''.14$, $\theta = 357^\circ 1$.
V566 Cen = 244.1933 = IRAS F14515–3844? = P 977
V567 Cen = 245.1933 = P 979
V568 Cen = 382.1935 = IRAS F14529–4126 = P 3846
V569 Cen = 384.1935 = P 3851
V633 Cen = P 3684
V637 Cen = P 3693. Type EW/KW:.
V640 Cen = P 3737
V642 Cen = P 3801. IRAS 14402–4049 may correspond instead with HD 129364, $75''.5$ to the northwest.
V895 Cen = 2EUVE J1429–38.0 = Cen2 = CSV 2143 = EUVE J1429–38.0 = NSV 06680 = P 3734. Type E+AM:.
Z Lup = HD 128033 (Na) = CoD $-42^\circ 9465$ = 149.1908 = CCS 2173 = HIP 71386 = PPM 760481
RW Lup = HD 126387 (Mb) = CoD $-43^\circ 9051$ = CPD $-43^\circ 6550$ = HIP 70590 = IRAS F14231–4355?
TY Lup = IRAS F14439–4457?
CT Lup = 357.1935 = IRAS F14165–4415 = P 3701
CU Lup = P 3703. There is a companion, fainter on GSS (SERC-J) plate 011M, at $\rho = 2''.57$, $\theta = 171^\circ 4$. It is unclear which component is the variable.
CV Lup = P 3706
CW Lup = P 3708. The identification in the *Hipparcos Input Catalogue* (HIC 70079) is incorrect.
CX Lup = P 3709
CY Lup = IRAS F14188–4404 = P 3710
CZ Lup = IRAS F14200–4423 = P 3716
DD Lup = IRAS F14201–4225 = P 3717. Bright on GSS (SERC-J) plate 011M. There is a companion, slightly brighter on GSS (SERC-J) plate 0163, at $\rho = 3''.01$, $\theta = 278^\circ 6$.
DE Lup = P 3718
DF Lup = IRAS F14212–4401? = P 3720
DG Lup = P 3724. Type EW/KW.
DH Lup = P 3726
DI Lup = P 3733
DK Lup = P 3744
DL Lup = IRAS F14299–4559 = P 3749
DM Lup = 365.1935 = IRAS F14301–4446 = P 3750
DN Lup = P 3751
DO Lup = IRAS F14306–4306? = P 3752
DP Lup = P 3753. The GSC image (classified non-stellar) and USNO-A1.0 and USNO-A2.0 counterparts are blends with a companion, slightly brighter on GSS (SERC-J) plate 011M, at approximately $\rho = 5''.1$, $\theta = 199^\circ$. The component listed in Table 5 appears to be variable.
DQ Lup = P 3755
DR Lup = P 3756
DS Lup = P 3757
DU Lup = P 3761
DV Lup = P 3763
DW Lup = 366.1935 = IRAS F14342–4409? = P 3765
DX Lup = P 3777
DY Lup = IRAS F14367–4301 = P 3781. On the charts in Kazanasmas and in Tsesевич & Kazanasmas, the identifications of DY and DZ Lup are interchanged. In both cases, star '2' refers to DY Lup.
DZ Lup = IRAS F14365–4302 = P 3783 On the charts in Kazanasmas and in Tsesевич & Kazanasmas, the identifications of DY and DZ Lup are interchanged. In both cases, star '1' refers to DZ Lup.
EE Lup = IRAS F14368–4519 = P 3785
EF Lup = P 3789
EG Lup = P 3794
EH Lup = P 3804
EI Lup = P 3811. GSC image is classified non-stellar. There are companions, both fainter on GSS (SERC-J) plate 011N, at approximately $\rho = 5''.0$, $\theta = 347^\circ$, and $\rho = 5''.5$, $\theta = 123^\circ$.
EK Lup = 375.1935 = IRAS F14439–4516? = P 3812 GSC image is classified non-stellar. There is a companion, fainter on GSS (SERC-J) plate 011N, at $\rho = 7''.99$, $\theta = 238^\circ 0$.

EL Lup = P 3820
 EM Lup = P 3823
 EN Lup = P 3834
 EO Lup = P 3835
 EP Lup = IRAS F14492-4312? = P 3837
 EQ Lup = 381.1935 = IRAS F14513-4332 = P 3843. There is a companion, brighter on GSS (SERC-J) plate 011N, at $\rho = 9''.42$, $\theta = 170^\circ.1$.
 ER Lup = 1RXS J145450.4-431231? = P 3844
 ES Lup = IRAS F14526-4222 = P 3845
 ET Lup = CoD $-42^\circ 9820$ = P 3848 = PPM 760744
 EU Lup = P 3849. GSC image is classified non-stellar. There is a close companion, fainter on GSS (SERC-J) plate 011N, at $\rho = 7''.02$, $\theta = 95^\circ.4$.
 EY Lup = P 3715
 EZ Lup = P 3729
 NSV 06639 = CSV 2129 = P 3713. Absent from both USNO-A1.0 and USNO-A2.0. GSC image is classified non-stellar. There is a companion, fainter on GSS (SERC-J) plate 011M, at $\rho = 7''.87$, $\theta = 39^\circ.5$.
 NSV 06689 = CSV 2146 = P 3741
 NSV 06758 = CSV 2175 = P 3790
 NSV 06795 = CSV 2189 = P 3809. GSC image is classified non-stellar. The USNO-A1.0 and USNO-A2.0 counterparts are blends with companions, one roughly equal in brightness on GSS (SERC-J) plate 04H2 at $\rho = 6''.84$, $\theta = 69^\circ.7$, and a second, fainter on the same GSS plate, at approximately $\rho = 8''.7$, $\theta = 95^\circ$.
 NSV 06804 = CSV 2197 = P 3817. Both GSC images are classified non-stellar. There is a companion, fainter on GSS (SERC-J) plate 04H2, at $\rho = 6''.37$, $\theta = 249^\circ.4$.
 NSV 06837 = CSV 2208 = P 3840
 NSV 06866 = 246.1933 = CSV 2222 = P 980. There is a companion, slightly fainter on GSS (SERC-J) plate 00AP, at $\rho = 12''.51$, $\theta = 288^\circ.5$.
 NSV 06880 = 385.1935 = CSV 2230 = IRAS F14578-4233? = P 3853. The USNO-A1.0 and USNO-A2.0 counterparts are blends with a companion, slightly brighter on GSS (SERC-J) plate 011N, at $\rho = 5''.30$, $\theta = 10^\circ.5$.