# Catalogue of cataclysmic binaries, low–mass X–ray binaries and related objects (Seventh edition)

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**Abstract**

The catalogue lists coordinates, apparent magnitudes, orbital parameters, and stellar parameters of the components and other characteristc properties of 472 cataclysmic binaries, 71 low–mass X–ray binaries and 113 related objects with known or suspected orbital periods together with a comprehensive selection of the relevant recent literature. In addition the catalogue contains a list of references to published finding charts for 635 of the 656 objects, and a cross–reference list of alias object designations. Literature published before 1 January 2003 has, as far as possible, been taken into account. All data can be accessed via the dedicated catalogue webpage at `http://www.mpa-garching.mpg.de/RKcat/` and `http://physics.open.ac.uk/RKcat/`. We will update the information given on the catalogue webpage regularly, initially every six months.

*Keywords:* Catalogs — novae, cataclysmic variables — binaries: close

# 1 Introduction to the 7th Edition

Five and a half years after the publication of the previous (6th) edition of the *Catalogue of Cataclysmic Binaries, Low–Mass X–Ray Binaries and Related Objects* (Ritter & Kolb 1998, hereafter RK98)), the amount of new literature and the number of new objects to be included have again grown so much that it seems worthwhile to publish an updated edition. The philosophy and the purpose of this catalogue (now in its 7th edition) have been outlined in the preface to the 3rd edition (Ritter 1984, hereafter R84) and will not be repeated here. Rather we briefly recall some of the developments which, over the past five and a half years, have had (and still have) a major impact on this catalogue:

1. The online and living edition of *A Catalog and Atlas of Cataclysmic Variables* by Downes et al. (2001, hereafter referred to as DWSRKD) is now the primary source for accurate coordinates and finding charts for cataclysmic variables. The DWSRKD catalogue supersedes earlier editions by Downes & Shara (1993) and Downes, Webbink & Shara (1997), includes an updated version of *A Reference Catalogue and Atlas of Galactic Novae* by Duerbeck (1987), and is supplemented by orbital period information by the present authors.
2. An increasing number of CVs are found serendipitously from large surveys such as e.g. the Slone Digital Sky Survey (see e.g. Szkody et al. 2002), or from The All Sky Automated Survey at `http://www.astrouw.edu.pl/~gp/asas/asas.html`.
3. As a result of systematic searches for potential double degenerate Type Ia supernova progenitors (see e.g. Napiwotzki et al. 2001; Marsh 2000; Morales-Rueda et al. 2002) the number of detached short-period double white dwarf systems has increased dramatically and is likely to further increase substantially in the future.
4. We acknowledge the continuing contributions of amateur astronomers to the field of cataclysmic variables, in particular to tracking down the superhump periods of SU UMa stars. Results of such amateur activities can e.g. be found on the webpages of the Variable Star Network (VSNET) at `http://vsnet.kusastro.kyoto-u.ac.jp/vsnet/` and of the Center for Backyard Astrophysics (CBA) at `http://cba.phys.columbia.edu/`.
5. Due to the much increased sensitivity and spatial resolution achievable with present–day X–ray satellites such as *Chandra* or *XMM-Newton*, as well as with large ground–based optical telescopes (e.g. the *VLT* or the *Keck* telescopes) the number of cataclysmic variables (CVs) and low–mass X–ray binaries (LMXBs) found in globular clusters and in external galaxies (M31, M51) is also rapidly increasing.
6. Gänsicke & Kube (2002) are in the process of establishing **CVcat**, a data base on CVs that aims at a comprehensive collection of all available data on CVs, and to make them electronically available to the community. Thus its aims go way beyond those of DWSRKD or the present catalogue.

In view of the activities by Gänsicke & Kube (2002) and the fact that with DWSRKD there is already an online CV catalogue one might ask whether publishing yet another one is justified. DWSRKD and this catalogue have existed in parallel in paper form before going electronic, and are complementary as far as CVs are concerned. Our catalogue focusses on

data related to the objects' binary nature, while DWSRKD gives data that are useful for observational programmes. In addition, our catalogue includes LMXBs and related objects, for which there is no comparable alternative source (the most recent catalogue for LMXBs is by Liu, van Paradijs & van den Heuvel 2001). The CVcat project by Gänsicke & Kube (2002), on the other hand, is still under development, and it remains to be seen whether this project will render our catalogue superfluous.

Compared with the 6th edition, the number of objects listed has increased by almost 60%. Accordingly the current version of this catalogue provides tabulated data and references for 656 objects (472 cataclysmic binaries, 71 low–mass X–ray binaries and 113 related objects).

No attempt has been made to provide a complete bibliography. Rather, the aim is to give a selection of the most recent and most relevant references that should allow the user to navigate through the literature addressing mainly the binary properties of the objects in question. References that were already included in RK98 are only repeated if they are required for cross–reference (see below). Yet more references can be found in the previous four editions (R84, Ritter 1987, hereafter R87, R90, and RK98) of the catalogue. Accordingly the 7th edition provides:

- the tables for all three object classes (cataclysmic binaries, low–mass X–ray binaries and related objects) in full;
- for each catalogued object a selection of references to the literature, published after 30 June 1997 (the deadline of RK98). Earlier references are only included if they are needed for cross–reference, or in cases where there have been few or no new publications of relevance;
- a list of selected references to published finding charts. Additional references may be found in previous editions;
- the *Who's Who?* file, a cross–reference list of alias names of the objects catalogued.

Thus the catalogue is complete and self–contained in the tables and in giving cross–references to alternative object designations.

Every effort has been made to avoid errors and to keep the lists up to date. Nevertheless, the authors are well aware of the fact that also this edition will contain errors and may be incomplete with regard to the criteria stated in the preface to the 3rd edition (R84). It is certainly incomplete with respect to the references quoted.

All the tabular material contained in this catalogue is published in electronic form only. It is available from the dedicated catalogue webpages at the Max–Planck–Institut für Astrophysik (MPA) `http://www.mpa-garching.mpg.de/RKcat/`, and the Open University (OU) `http://physics.open.ac.uk/RKcat/`.

In addition to the electronic version we provide postscript files for a printable stand alone version at both websites.

For the current version of this catalogue, literature published before 1 January 2003 has, as far as possible, been taken into account. This version is also accessible from the CDS at `http://cdsweb.u-strasbg.fr/Abstract.html`.

For the future it is our intention to provide semi–annual updates of the catalogue on the dedicated catalogue webpages.

# 2 Description of the catalogue

The objects listed in this catalogue are subdivided into three main object classes, i.e. into **Cataclysmic Binaries**, **Low–Mass X–Ray Binaries** and **Related Objects**. The defining characteristics of the three object classes used here are the following:

**Cataclysmic Binaries** are semi–detached binaries consisting of a white dwarf primary (or a white dwarf precursor) and a low–mass secondary which is filling its critical Roche lobe. The secondary is not necessarily unevolved. It may even be a highly evolved star as for example in the case of the AM CVn–type stars. A more detailed description of the main characteristics of these objects may be found in Warner (1995) or Hellier (2001).

In addition, we list among the cataclysmic binaries also the supersoft binary X–ray sources, because these too are semi–detached binaries containing a white dwarf, though

one in a state of sustained nuclear burning. More information about these objects can be found in Greiner (1996, 2000).

**Low–Mass X–Ray Binaries** are semi–detached binaries consisting of either a neutron star or a black hole primary, and a low–mass secondary which is filling its critical Roche lobe. Observationally they are distinguished from the luminous, massive X–ray binaries by the following main properties: in general the spectra of the low–mass X-ray binaries (at maximum light) are devoid of normal stellar absorption features. The ratio of their X–ray to optical luminosities is much larger than unity (typically it ranges from $\sim 10^2$ to $\sim 10^4$). A more detailed description of the main characteristics of these objects may be found in the review articles in Lewin, van Paradijs & van den Heuvel (1995).

**Related Objects** are detached binaries consisting of either a white dwarf or a white dwarf precursor primary and of a low–mass secondary. The secondary may also be a highly evolved star. Further information may be found e.g. in Ritter (1986), Bond (1989), or de Kool & Ritter (1993).

With one possible exception (HD 49798) we do not list among the related objects detached binaries containing a neutron star, or, for the lack of known objects, a black hole. Thus we explicitly exclude binary radio pulsars from our compilation because these are documented elsewhere (e.g. in the Princeton pulsar catalogue (Taylor, Manchester & Lyne 1993)) which is available online at `http://pulsar.princeton.edu/pulsar/catalog.shtml`.

According to the subdivision into these three object classes the catalogue consists of three major parts, hereafter referred to as *catalogue sections*. Each of the three catalogue sections is further subdivided into a *table section*, where a few characterizing parameters of the object are tabulated, and a *reference section*, where a selection of references is given. Within each of the table sections, the objects are listed in order of decreasing orbital period. In the corresponding reference section, however, the objects are listed in lexigraphical order.

Limited information about where the values given in the tables are taken from is provided as follows: at the end of a reference from which a given quantity, say `XYZ`, was taken, this quantity is given in parenthesis, i.e. as `(XYZ)`. The quantities for which this is done are: the periods (`Orb.Per.`, `2. Per.`, `3. Per.`, `4. Per.`), the spectral types (`Spectr1`, `Spectr2`), the mass ratio (`M1/M2`), the orbital inclination (`Incl`), the masses (`M1`, `M2`), and, where appropriate, the radii (`R1`, `R2`) and the eccentricity (`e`).

The catalogue is supplemented by a list giving references to published *finding charts* of the objects. In this separate section, the objects of all three classes are merged and listed in lexigraphical order. The full form of abbreviated references used is given at the end of this section.

Finally, the *Who's Who?* file contains a cross–reference list of alias names of the objects catalogued. In order to keep this list short, the full list of alternative object names appears only once for each object and is to be found under the standard name used in this catalogue. If an object is sought under one of its alternative names, reference to the standard name is given. Wherever possible the variable name given in the 4th edition of the *General Catalogue of Variable Stars* (Kholopov et al. 1985a, 1985b, 1987), or in its online version at `http://www.sai.msu.su/groups/cluster/gcvs/gcvs/`, or in the *Name Lists of Variable Stars* (up to and including the 76th list (Kazarovets, Samus & Durlevich 2001)) is used as the standard name here. This section includes also a list of references to various catalogue acronyms that appear in this compilation. More complete information of this kind may be found in *The First Dictionary of the Nomenclature of Celestial Objects* by Fernandez, Lortet & Spite (1983), its supplements Lortet (1986a, 1989b), and Lortet & Spite (1986), in the *Second Reference Dictionary of the Nomenclature of Celestial Objects* by Lortet, Borde & Ochsenbein (1994), or online via the *Centre de données astronomiques de Strasbourg (CDS)* at `http://vizier.u-strasbg.fr/cgi-bin/Dic`, or from the *Astronomical Data Center (ADC)* at `http://adc.gsfc.nasa.gov/adc/`.

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# List of Objects in Lexigraphical Order

| Object | | RA (2000) h m s | Page TS | Page RS | Page FC | Object | | RA (2000) h m s | Page TS | Page RS | Page FC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RX And | * | 01 04 36 | 30 | 60 | 134 | FS Aur | * | 05 47 48 | 55 | 64 | 137 |
| AR And | * | 01 45 03 | 34 | 60 | 134 | HV Aur | * | 04 53 17 | 45 | 64 | 137 |
| DX And | * | 23 29 47 | 25 | 60 | 134 | KR Aur | * | 06 15 44 | 34 | 64 | 137 |
| FO And | * | 01 15 32 | 50 | 60 | 134 | QZ Aur | * | 05 28 34 | 26 | 64 | 137 |
| HV And | * | 00 40 55 | 57 | 60 | 134 | V363 Aur | * | 05 33 34 | 26 | 64 | 137 |
| KV And | * | 02 17 14 | 49 | 60 | 134 | V405 Aur | * | 05 57 59 | 33 | 64 | 137 |
| LL And | | 00 41 52 | 57 | 60 | 134 | TT Boo | * | 14 57 45 | 47 | 64 | 137 |
| PX And | * | 00 30 06 | 37 | 60 | 134 | UZ Boo | * | 14 44 01 | 41 | 64 | 138 |
| QR And | * | 00 19 50 | 24 | 60 | 134 | CR Boo | * | 13 48 55 | 58 | 64 | 138 |
| V402 And | * | 00 11 07 | 54 | 61 | 134 | RR Cae | * | 04 21 06 | 121 | 124 | 138 |
| UU Aqr | * | 22 09 06 | 34 | 61 | 134 | RS Cae | * | 04 53 26 | 50 | 64 | 138 |
| VY Aqr | * | 21 12 09 | 53 | 61 | 134 | Z Cam | * | 08 25 13 | 27 | 64 | 138 |
| AE Aqr | * | 20 40 09 | 25 | 61 | 134 | AF Cam | * | 03 32 16 | 26 | 64 | 138 |
| FF Aqr | * | 22 00 36 | 115 | 124 | 135 | BY Cam | * | 05 42 49 | 39 | 64 | 138 |
| FO Aqr | * | 22 17 55 | 30 | 61 | 135 | BZ Cam | * | 06 29 34 | 36 | 65 | 138 |
| HL Aqr | * | 22 20 27 | 40 | 61 | 135 | FT Cam | * | 03 21 14 | 48 | 65 | 138 |
| HU Aqr | * | 21 07 58 | 44 | 61 | 135 | HR Cam | * | 07 17 09 | 123 | 124 | 138 |
| LZ Aqr | * | 21 23 15 | 103 | 106 | 135 | HS Cam | * | 07 19 14 | 51 | 65 | 138 |
| UU Aql | * | 19 57 19 | 34 | 62 | 135 | HT Cam | * | 07 57 01 | 55 | 65 | 138 |
| CI Aql | * | 18 52 04 | 24 | 62 | 135 | IQ Cam | * | 04 26 07 | 123 | 124 | 138 |
| DH Aql | * | 19 26 11 | 47 | 62 | 135 | SY Cnc | * | 09 01 03 | 25 | 65 | 138 |
| DO Aql | * | 19 31 26 | 33 | 62 | 135 | YZ Cnc | * | 08 10 57 | 44 | 65 | 138 |
| KX Aql | * | 19 33 54 | 55 | 62 | 135 | AC Cnc | * | 08 44 27 | 26 | 65 | 139 |
| V368 Aql | * | 19 26 34 | 26 | 62 | 135 | AK Cnc | * | 08 55 21 | 52 | 65 | 139 |
| V500 Aql | * | 19 52 28 | 37 | 62 | 135 | AR Cnc | * | 09 22 08 | 29 | 65 | 139 |
| V603 Aql | * | 18 48 55 | 40 | 62 | 135 | AT Cnc | * | 08 28 37 | 31 | 65 | 139 |
| V725 Aql | | 19 56 45 | 43 | 62 | 136 | CC Cnc | * | 08 36 19 | 49 | 65 | 139 |
| V794 Aql | * | 20 17 34 | 36 | 62 | 136 | EG Cnc | * | 08 43 04 | 55 | 65 | 139 |
| V1101 Aql | * | 20 13 04 | 38 | 62 | 136 | EU Cnc | * | 08 51 27 | 44 | 66 | 139 |
| V1141 Aql | | 19 37 10 | 54 | 62 | 136 | GY Cnc | * | 09 09 51 | 32 | 66 | 139 |
| V1315 Aql | * | 19 13 55 | 39 | 62 | 136 | GZ Cnc | * | 09 15 52 | 44 | 66 | 139 |
| V1333 Aql | * | 19 11 16 | 101 | 106 | 136 | UX CVn | * | 12 14 48 | 119 | 124 | 139 |
| V1405 Aql | * | 19 18 48 | 105 | 106 | 136 | AM CVn | * | 12 34 55 | 58 | 66 | 139 |
| V1408 Aql | * | 19 59 24 | 102 | 106 | 136 | DE CVn | * | 13 26 54 | 121 | 124 | 139 |
| V1425 Aql | * | 19 05 27 | 28 | 62 | 136 | WY CMa | * | 07 11 40 | 23 | 66 | 139 |
| V1432 Aql | * | 19 40 12 | 39 | 62 | 136 | CG CMa | * | 07 04 05 | 54 | 66 | 139 |
| V1487 Aql | * | 19 15 11 | 100 | 106 | 136 | HL CMa | * | 06 45 17 | 29 | 66 | 139 |
| V1493 Aql | * | 19 07 37 | 35 | 63 | 136 | IN CMa | * | 07 20 48 | 118 | 124 | 139 |
| V1494 Aql | * | 19 23 05 | 40 | 63 | 136 | PU CMa | * | 06 40 48 | 56 | 66 | 140 |
| AT Ara | * | 17 30 34 | 25 | 63 | 136 | SV CMi | * | 07 31 08 | 35 | 66 | 140 |
| BF Ara | * | 17 38 21 | 45 | 63 | 136 | AQ CMi | * | 07 14 35 | 52 | 66 | 140 |
| OY Ara | * | 16 40 50 | 35 | 63 | 136 | BG CMi | * | 07 31 29 | 40 | 66 | 140 |
| V801 Ara | * | 16 40 55 | 104 | 107 | 137 | RS Car | * | 11 08 06 | 46 | 67 | 140 |
| V821 Ara | * | 17 02 49 | 101 | 107 | 137 | OY Car | * | 10 06 22 | 53 | 67 | 140 |
| V877 Ara | * | 17 16 54 | 45 | 63 | 137 | QU Car | * | 11 05 43 | 24 | 67 | 140 |
| TT Ari | * | 02 06 53 | 40 | 63 | 137 | V395 Car | * | 09 22 35 | 100 | 107 | 140 |
| WX Ari | * | 02 47 36 | 39 | 63 | 137 | V436 Car | * | 07 44 58 | 32 | 67 | 140 |
| XY Ari | * | 02 56 08 | 28 | 63 | 137 | AM Cas | * | 02 26 23 | 34 | 67 | 140 |
| T Aur | * | 05 31 59 | 30 | 63 | 137 | GX Cas | * | 00 49 02 | 44 | 67 | 140 |
| SS Aur | * | 06 13 22 | 32 | 63 | 137 | HT Cas | * | 01 10 13 | 49 | 67 | 140 |

* : Alternative designations of this object are listed on page 177 - 238

| Object | RA (2000) h m s | Page TS | RS | FC | Object | RA (2000) h m s | Page TS | RS | FC |
|---|---|---|---|---|---|---|---|---|---|
| V425 Cas * | 23 03 47 | 37 | 67 | 140 | V630 Cyg * | 21 34 59 | 47 | 71 | 144 |
| V592 Cas * | 00 20 52 | 42 | 67 | 140 | V751 Cyg * | 20 52 13 | 38 | 71 | 144 |
| V630 Cas * | 23 48 52 | 23 | 68 | 140 | V1028 Cyg* | 20 00 57 | 55 | 71 | 144 |
| V664 Cas * | 03 03 47 | 119 | 124 | 140 | V1113 Cyg* | 19 22 42 | 47 | 71 | 144 |
| V705 Cas * | 23 41 47 | 29 | 68 | 141 | V1251 Cyg | 21 40 54 | 49 | 71 | 144 |
| V709 Cas * | 00 28 49 | 29 | 68 | 141 | V1341 Cyg* | 21 44 41 | 100 | 108 | 144 |
| V723 Cas * | 01 05 05 | 24 | 68 | 141 | V1500 Cyg* | 21 11 37 | 39 | 72 | 144 |
| V731 Cas * | 23 57 00 | 23 | 68 | 141 | V1504 Cyg* | 19 28 57 | 50 | 72 | 144 |
| WX Cen * | 13 12 52 | 25 | 68 | 141 | V1513 Cyg* | 20 05 03 | 120 | 125 | 144 |
| BV Cen * | 13 31 20 | 24 | 68 | 141 | V1668 Cyg* | 21 42 35 | 40 | 72 | 145 |
| MU Cen * | 12 12 54 | 26 | 68 | 141 | V1727 Cyg* | 21 31 26 | 103 | 108 | 145 |
| V359 Cen * | 11 58 15 | 47 | 68 | 141 | V1776 Cyg* | 20 23 31 | 34 | 72 | 145 |
| V436 Cen * | 11 14 00 | 53 | 68 | 141 | V1974 Cyg* | 20 30 32 | 45 | 72 | 145 |
| V442 Cen * | 11 24 52 | 24 | 68 | 141 | V2069 Cyg* | 21 23 45 | 26 | 72 | 145 |
| V485 Cen * | 12 57 23 | 58 | 68 | 141 | V2176 Cyg* | 19 27 12 | 57 | 72 | 145 |
| V803 Cen * | 13 23 45 | 58 | 68 | 141 | V2214 Cyg* | 19 32 15 | 123 | 125 | 145 |
| V822 Cen * | 14 58 22 | 101 | 107 | 141 | V2274 Cyg* | 20 07 18 | 26 | 72 | 145 |
| V834 Cen * | 14 09 08 | 50 | 68 | 141 | CM Del * | 20 24 57 | 34 | 72 | 145 |
| V895 Cen * | 14 29 27 | 31 | 69 | 141 | EZ Del * | 20 25 23 | 32 | 72 | 145 |
| V1025 Cen* | 12 38 17 | 56 | 69 | 141 | HO Del * | 20 36 56 | 53 | 72 | 145 |
| V1033 Cen* | 11 41 23 | 41 | 69 | 142 | HR Del * | 20 42 20 | 30 | 72 | 145 |
| WW Cet * | 00 11 25 | 32 | 69 | 142 | AA Dor * | 05 31 41 | 121 | 125 | 145 |
| WX Cet * | 01 17 04 | 56 | 69 | 142 | AB Dra * | 19 49 07 | 36 | 72 | 145 |
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| CC Cet * | 03 10 55 | 121 | 124 | 142 | CP Dra | 10 15 40 | 45 | 72 | 145 |
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| IR Com * | 12 39 32 | 44 | 70 | 143 | HY Eri * | 05 01 46 | 42 | 74 | 146 |
| LM Com * | 12 26 31 | 122 | 124 | 143 | UZ For * | 03 35 29 | 44 | 74 | 146 |
| V394 CrA * | 18 00 26 | 23 | 70 | 143 | VY For * | 03 32 05 | 35 | 74 | 147 |
| V691 CrA * | 18 25 47 | 103 | 107 | 143 | U Gem * | 07 55 05 | 32 | 74 | 147 |
| UW CrB * | 16 05 46 | 104 | 108 | 143 | UV Gem * | 06 38 44 | 44 | 74 | 147 |
| VW CrB * | 16 00 04 | 49 | 70 | 143 | AW Gem * | 07 22 41 | 47 | 74 | 147 |
| TV Crv * | 12 20 24 | 53 | 70 | 143 | DM Gem * | 06 44 12 | 41 | 74 | 147 |
| TW Crv * | 12 00 06 | 121 | 125 | 143 | DN Gem * | 06 54 54 | 41 | 74 | 147 |
| TT Crt * | 11 34 47 | 27 | 70 | 143 | IR Gem * | 06 47 35 | 51 | 75 | 147 |
| TU Crt * | 11 03 37 | 45 | 70 | 143 | PQ Gem * | 07 51 17 | 29 | 75 | 147 |
| AP Cru * | 12 31 21 | 30 | 71 | 143 | RZ Gru * | 22 47 12 | 26 | 75 | 147 |
| CP Cru * | 12 10 31 | 24 | 71 | 143 | CE Gru * | 21 37 56 | 48 | 75 | 147 |
| SS Cyg * | 21 42 43 | 27 | 71 | 143 | CF Gru * | 21 41 23 | 50 | 75 | 147 |
| EM Cyg * | 19 38 40 | 27 | 71 | 143 | CI Gru * | 21 33 07 | 57 | 75 | 147 |
| EY Cyg * | 19 54 37 | 24 | 71 | 144 | AH Her * | 16 44 10 | 28 | 75 | 147 |
| V404 Cyg * | 20 24 04 | 100 | 108 | 144 | AM Her * | 18 16 13 | 41 | 75 | 148 |
| V503 Cyg * | 20 27 17 | 47 | 71 | 144 | DQ Her * | 18 07 30 | 31 | 75 | 148 |
| V550 Cyg * | 20 05 05 | 52 | 71 | 144 | V446 Her * | 18 57 22 | 30 | 75 | 148 |

* : Alternative designations of this object are listed on page 177 - 238

| Object | RA (2000) h m s | Page TS | RS | FC | Object | RA (2000) h m s | Page TS | RS | FC |
|---|---|---|---|---|---|---|---|---|---|
| V478 Her * | 17 21 06 | 41 | 76 | 148 | V616 Mon * | 06 22 44 | 102 | 108 | 152 |
| V533 Her * | 18 14 21 | 37 | 76 | 148 | V651 Mon * | 07 09 22 | 115 | 125 | 152 |
| V544 Her * | 16 38 05 | 50 | 76 | 148 | GQ Mus * | 11 52 03 | 55 | 80 | 152 |
| V589 Her * | 16 22 07 | 43 | 76 | 148 | GR Mus * | 12 57 37 | 104 | 108 | 152 |
| V592 Her * | 16 30 57 | 57 | 76 | 148 | GU Mus * | 11 26 27 | 102 | 108 | 152 |
| V660 Her * | 17 42 09 | 47 | 76 | 148 | LZ Mus * | 11 56 09 | 33 | 80 | 152 |
| V795 Her * | 17 12 56 | 42 | 76 | 148 | AB Nor * | 15 49 15 | 46 | 80 | 152 |
| V825 Her * | 17 18 37 | 30 | 76 | 148 | QX Nor * | 16 12 43 | 102 | 109 | 152 |
| V838 Her * | 18 46 32 | 26 | 76 | 148 | V381 Nor * | 15 50 59 | 101 | 109 | 152 |
| V844 Her * | 16 25 02 | 57 | 76 | 149 | AO Oct * | 21 05 08 | 52 | 80 | 152 |
| V849 Her * | 16 35 46 | 39 | 76 | 149 | BE Oct * | 00 00 49 | 48 | 80 | 152 |
| V884 Her * | 18 02 07 | 46 | 76 | 149 | V380 Oph * | 17 50 14 | 35 | 81 | 152 |
| V1007 Her* | 17 24 06 | 45 | 77 | 149 | V426 Oph * | 18 07 52 | 27 | 81 | 152 |
| WW Hor * | 02 36 12 | 46 | 77 | 149 | V442 Oph * | 17 32 15 | 41 | 81 | 153 |
| CT Hya * | 08 51 07 | 52 | 77 | 149 | V841 Oph * | 16 59 30 | 24 | 81 | 153 |
| EX Hya * | 12 52 24 | 51 | 77 | 149 | V849 Oph * | 18 14 07 | 33 | 81 | 153 |
| LY Hya * | 13 31 54 | 48 | 77 | 149 | V2051 Oph* | 17 08 19 | 54 | 81 | 153 |
| MM Hya * | 09 14 14 | 56 | 77 | 149 | V2107 Oph* | 17 08 14 | 102 | 109 | 153 |
| MN Hya * | 09 29 07 | 38 | 77 | 149 | V2134 Oph* | 17 02 06 | 103 | 109 | 153 |
| VW Hyi * | 04 09 11 | 49 | 77 | 149 | V2214 Oph* | 17 12 02 | 42 | 81 | 153 |
| WX Hyi * | 02 09 51 | 48 | 77 | 149 | V2216 Oph* | 17 31 44 | 103 | 109 | 153 |
| BL Hyi * | 01 41 00 | 46 | 78 | 149 | V2293 Oph* | 17 19 37 | 101 | 109 | 153 |
| CV Hyi * | 01 32 42 | 58 | 78 | 149 | V2301 Oph* | 18 00 36 | 46 | 81 | 153 |
| CD Ind * | 21 15 41 | 47 | 78 | 149 | V2400 Oph* | 17 12 36 | 38 | 81 | 153 |
| DI Lac * | 22 35 49 | 24 | 78 | 150 | CN Ori * | 05 52 08 | 34 | 81 | 153 |
| T Leo * | 11 38 27 | 55 | 78 | 150 | CZ Ori | 06 16 43 | 29 | 81 | 153 |
| U Leo * | 10 24 04 | 27 | 78 | 150 | V1055 Ori * | 06 17 07 | 100 | 109 | 154 |
| X Leo * | 09 51 02 | 34 | 78 | 150 | V1159 Ori * | 05 29 00 | 54 | 81 | 154 |
| RZ Leo * | 11 37 22 | 48 | 78 | 150 | V1193 Ori * | 05 16 27 | 34 | 82 | 154 |
| DO Leo * | 10 40 51 | 29 | 78 | 150 | V1309 Ori * | 05 15 41 | 26 | 82 | 154 |
| DP Leo * | 11 17 16 | 54 | 78 | 150 | BD Pav * | 18 43 12 | 32 | 82 | 154 |
| GG Leo * | 10 15 35 | 57 | 78 | 150 | GS Pav * | 20 08 08 | 35 | 82 | 154 |
| RU LMi * | 10 02 08 | 28 | 79 | 150 | V345 Pav * | 19 35 43 | 31 | 82 | 154 |
| RZ LMi * | 09 51 49 | 56 | 79 | 150 | V347 Pav * | 18 44 48 | 53 | 82 | 154 |
| ST LMi * | 11 05 40 | 46 | 79 | 150 | V349 Pav * | 20 08 56 | 42 | 82 | 154 |
| SX LMi * | 10 54 30 | 52 | 79 | 150 | V393 Pav * | 19 57 12 | 51 | 82 | 154 |
| WX LMi * | 10 26 27 | 42 | 79 | 150 | RU Peg * | 22 14 03 | 25 | 82 | 154 |
| GW Lib * | 15 19 56 | 58 | 79 | 150 | EF Peg | 21 15 04 | 45 | 82 | 154 |
| HP Lib * | 15 35 53 | 58 | 79 | 151 | HX Peg * | 23 40 24 | 31 | 82 | 154 |
| BR Lup * | 15 35 53 | 46 | 79 | 151 | IK Peg * | 21 26 27 | 115 | 125 | 155 |
| IL Lup * | 15 47 08 | 101 | 108 | 151 | IP Peg * | 23 23 09 | 35 | 82 | 155 |
| BH Lyn * | 08 22 36 | 35 | 79 | 151 | IR Peg * | 21 34 08 | 122 | 125 | 155 |
| BK Lyn * | 09 20 11 | 48 | 79 | 151 | LQ Peg * | 21 36 19 | 41 | 83 | 155 |
| BP Lyn * | 09 03 09 | 36 | 79 | 151 | LS Peg * | 21 51 58 | 33 | 83 | 155 |
| DN Lyn * | 07 31 43 | 38 | 79 | 151 | MS Peg * | 22 58 48 | 122 | 125 | 155 |
| AY Lyr * | 18 44 27 | 49 | 79 | 151 | V369 Peg * | 23 03 42 | 45 | 83 | 155 |
| CY Lyr * | 18 52 41 | 35 | 80 | 151 | V Per * | 02 01 54 | 43 | 83 | 155 |
| DM Lyr * | 18 58 44 | 52 | 80 | 151 | TZ Per * | 02 13 51 | 28 | 83 | 155 |
| LL Lyr * | 18 35 13 | 28 | 80 | 151 | UV Per * | 02 10 08 | 52 | 83 | 155 |
| MV Lyr * | 19 07 16 | 40 | 80 | 151 | FY Per * | 04 41 57 | 28 | 83 | 155 |
| V344 Lyr * | 18 44 39 | 44 | 80 | 151 | GK Per * | 03 31 12 | 23 | 83 | 155 |
| V419 Lyr * | 19 10 14 | 43 | 80 | 151 | KT Per * | 01 37 09 | 34 | 83 | 155 |
| V477 Lyr * | 18 31 18 | 120 | 125 | 151 | PU Per * | 02 42 16 | 50 | 84 | 155 |
| TU Men * | 04 41 41 | 42 | 80 | 151 | PV Per * | 02 42 54 | 47 | 84 | 156 |
| AH Men * | 06 11 44 | 41 | 80 | 151 | PY Per * | 02 50 00 | 36 | 84 | 156 |
| BT Mon * | 06 43 47 | 26 | 80 | 152 | QY Per * | 03 15 37 | 48 | 84 | 156 |
| CW Mon * | 06 36 55 | 32 | 80 | 152 | V518 Per * | 04 21 43 | 103 | 109 | 156 |

* : Alternative designations of this object are listed on page 177 - 238

| Object | | RA (2000) h m s | TS | Page RS | FC |
|---|---|---|---|---|---|
| CM Phe | * | 00 21 33 | 27 | 84 | 156 |
| RR Pic | * | 06 35 36 | 38 | 84 | 156 |
| TW Pic | * | 05 34 51 | 27 | 84 | 156 |
| UW Pic | * | 05 31 36 | 43 | 84 | 156 |
| TY Psc | * | 01 25 39 | 51 | 84 | 156 |
| AO Psc | * | 22 55 18 | 36 | 84 | 156 |
| AY Psc | * | 01 36 55 | 29 | 84 | 157 |
| TY PsA | * | 22 49 40 | 45 | 84 | 157 |
| UY Pup | * | 07 46 31 | 25 | 84 | 157 |
| VV Pup | * | 08 15 07 | 50 | 84 | 157 |
| BV Pup | * | 07 49 05 | 27 | 85 | 157 |
| BX Pup | * | 07 54 16 | 41 | 85 | 157 |
| CP Pup | * | 08 11 46 | 54 | 85 | 157 |
| DY Pup | * | 08 13 48 | 40 | 85 | 157 |
| HZ Pup | * | 08 03 23 | 30 | 85 | 157 |
| V347 Pup | * | 06 10 34 | 29 | 85 | 157 |
| V348 Pup | * | 07 12 33 | 43 | 85 | 157 |
| V351 Pup | * | 08 11 38 | 42 | 85 | 157 |
| V516 Pup | * | 08 03 46 | 43 | 85 | 157 |
| T Pyx | * | 09 04 42 | 48 | 85 | 157 |
| VW Pyx | * | 08 57 46 | 119 | 125 | 157 |
| VZ Pyx | * | 08 59 20 | 49 | 85 | 157 |
| WX Pyx | * | 08 33 06 | 59 | 85 | 157 |
| V Sge | * | 20 20 15 | 24 | 85 | 158 |
| RZ Sge | * | 20 03 19 | 51 | 86 | 158 |
| UU Sge | * | 19 42 10 | 120 | 125 | 158 |
| WY Sge | * | 19 32 44 | 36 | 86 | 158 |
| WZ Sge | * | 20 07 36 | 56 | 86 | 158 |
| AW Sge | * | 19 58 37 | 50 | 86 | 158 |
| QR Sge | * | 19 11 31 | 116 | 125 | 158 |
| V617 Sgr | * | 18 07 51 | 30 | 86 | 158 |
| V630 Sgr | * | 18 08 48 | 42 | 86 | 158 |
| V729 Sgr | * | 19 16 49 | 33 | 86 | 158 |
| V909 Sgr | * | 18 25 52 | 39 | 86 | 158 |
| V1017 Sgr | * | 18 32 05 | 23 | 86 | 158 |
| V1223 Sgr | * | 18 55 02 | 39 | 87 | 158 |
| V3885 Sgr | * | 19 47 41 | 29 | 87 | 158 |
| V4077 Sgr | * | 18 34 39 | 35 | 87 | 158 |
| V4134 Sgr | * | 17 58 40 | 103 | 110 | 159 |
| V4140 Sgr | * | 19 58 50 | 54 | 87 | 159 |
| V4580 Sgr | * | 18 08 28 | 104 | 110 | 159 |
| V4633 Sgr | * | 18 21 41 | 41 | 87 | 159 |
| V4634 Sgr | * | 18 29 28 | 104 | 110 | 159 |
| V4641 Sgr | * | 18 19 22 | 100 | 110 | 159 |
| V4738 Sgr | * | 20 22 38 | 57 | 87 | 159 |
| U Sco | * | 16 22 31 | 23 | 87 | 159 |
| MM Sco | * | 17 30 45 | 55 | 87 | 159 |
| V697 Sco | * | 17 51 22 | 31 | 87 | 159 |
| V818 Sco | * | 16 19 55 | 101 | 110 | 159 |
| V893 Sco | * | 16 15 15 | 48 | 87 | 159 |
| V926 Sco | * | 17 38 58 | 103 | 110 | 159 |
| V992 Sco | * | 17 07 17 | 36 | 87 | 159 |
| V1033 Sco | * | 16 54 00 | 100 | 111 | 159 |
| V1101 Sco | * | 17 05 44 | 101 | 111 | 159 |
| VY Scl | * | 23 29 01 | 29 | 87 | 160 |
| VZ Scl | * | 23 50 09 | 38 | 87 | 160 |
| BW Scl | * | 23 53 01 | 57 | 88 | 160 |
| X Ser | * | 16 19 18 | 23 | 88 | 160 |
| UZ Ser | * | 18 11 25 | 33 | 88 | 160 |
| CT Ser | * | 15 45 39 | 31 | 88 | 160 |
| LX Ser | * | 15 38 00 | 35 | 88 | 160 |
| MM Ser | * | 18 39 57 | 102 | 111 | 160 |
| MR Ser | * | 15 52 47 | 46 | 88 | 160 |
| MT Ser | * | 17 29 02 | 123 | 126 | 160 |
| NN Ser | * | 15 52 56 | 122 | 126 | 160 |
| NY Ser | * | 15 13 02 | 43 | 88 | 160 |
| QW Ser | * | 15 26 14 | 48 | 88 | 160 |
| QZ Ser | * | 15 56 55 | 45 | 88 | 160 |
| RW Sex | * | 10 19 57 | 28 | 88 | 160 |
| SW Sex | * | 10 15 09 | 40 | 88 | 160 |
| UZ Sex | * | 10 28 35 | 119 | 126 | 160 |
| V471 Tau | * | 03 50 24 | 120 | 126 | 161 |
| V701 Tau | * | 03 44 02 | 52 | 88 | 161 |
| V1062 Tau | * | 05 02 28 | 25 | 88 | 161 |
| V1208 Tau | * | 04 59 44 | 51 | 88 | 161 |
| KK Tel | * | 20 28 39 | 45 | 88 | 161 |
| QS Tel | * | 19 38 36 | 43 | 88 | 161 |
| RW Tri | * | 02 25 36 | 29 | 89 | 161 |
| TW Tri | * | 01 36 37 | 30 | 89 | 161 |
| UW Tri | * | 02 45 17 | 56 | 89 | 161 |
| WY Tri | * | 02 25 01 | 48 | 89 | 161 |
| AI Tri | * | 02 03 49 | 31 | 89 | 161 |
| EK TrA | * | 15 14 01 | 53 | 89 | 161 |
| KZ TrA | * | 16 32 17 | 105 | 111 | 161 |
| LU TrA | * | 16 01 02 | 102 | 111 | 161 |
| CP Tuc | * | 23 15 19 | 54 | 89 | 161 |
| SU UMa | * | 08 12 28 | 48 | 89 | 162 |
| SW UMa | * | 08 36 43 | 56 | 89 | 162 |
| UX UMa | * | 13 36 41 | 31 | 89 | 162 |
| AN UMa | * | 11 04 26 | 46 | 90 | 162 |
| AR UMa | * | 11 15 45 | 46 | 90 | 162 |
| BC UMa | * | 11 52 16 | 53 | 90 | 162 |
| BE UMa | * | 11 57 45 | 116 | 126 | 162 |
| BZ UMa | * | 08 53 44 | 51 | 90 | 162 |
| CH UMa | * | 10 07 01 | 26 | 90 | 162 |
| CI UMa | * | 10 18 13 | 55 | 90 | 162 |
| CY UMa | * | 10 56 57 | 51 | 90 | 162 |
| DI UMa | * | 09 12 16 | 57 | 90 | 162 |
| DV UMa | * | 09 46 37 | 44 | 90 | 162 |
| DW UMa | * | 10 33 53 | 40 | 90 | 163 |
| EG UMa | * | 12 15 44 | 119 | 126 | 163 |
| EI UMa | * | 08 38 22 | 27 | 90 | 163 |
| EK UMa | * | 10 51 35 | 46 | 90 | 163 |
| ER UMa | * | 09 47 12 | 53 | 91 | 163 |
| EU UMa | * | 11 49 56 | 53 | 91 | 163 |
| EV UMa | * | 13 07 54 | 57 | 91 | 163 |
| FH UMa | * | 10 47 10 | 57 | 91 | 163 |
| IY UMa | * | 10 43 57 | 49 | 91 | 163 |
| KS UMa | * | 10 20 27 | 51 | 91 | 163 |
| KV UMa | * | 11 18 11 | 104 | 111 | 163 |
| RW UMi | * | 16 47 55 | 55 | 91 | 163 |
| SS UMi | * | 15 51 22 | 51 | 91 | 163 |
| CU Vel | * | 08 58 33 | 46 | 91 | 164 |
| IX Vel | * | 08 15 19 | 31 | 91 | 164 |

* : Alternative designations of this object are listed on page 177 - 238

| Object | | RA (2000) h m s | TS | Page RS | FC | Object | | RA (2000) h m s | TS | Page RS | FC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| KO Vel | * | 10 15 58 | 25 | 92 | 164 | SP 1 | * | 15 51 41 | 116 | 128 | 167 |
| KV Vel | * | 10 54 41 | 121 | 126 | 164 | SuWt 2 | * | 13 55 43 | 116 | 128 | 167 |
| MM Vel | * | 10 13 36 | 103 | 112 | 164 | Tau 2 | * | 04 00 37 | 37 | 94 | 168 |
| MR Vel | * | 09 25 46 | 23 | 92 | 164 | Ton 245 | * | 15 40 35 | 116 | 128 | 168 |
| V381 Vel | * | 10 16 59 | 43 | 92 | 164 | Var 73 Dra | * | 20 23 38 | 43 | 94 | 168 |
| V382 Vel | * | 10 44 48 | 37 | 92 | 164 | 0001+2731 | * | 00 03 56 | 120 | 128 | 168 |
| TW Vir | * | 11 45 21 | 32 | 92 | 164 | 0025+5402 | * | 00 28 29 | 116 | 128 | 168 |
| GK Vir | * | 14 15 36 | 121 | 127 | 164 | 0035-7230 | * | 00 37 20 | 33 | 94 | 168 |
| HS Vir | * | 13 43 38 | 47 | 92 | 164 | 0042+3244 | * | 00 44 49 | 100 | 113 | 168 |
| HV Vir | * | 13 21 03 | 56 | 92 | 164 | J0042+4118 | * | 00 42 08 | 104 | 113 | 168 |
| HW Vir | * | 12 44 20 | 123 | 127 | 164 | J0043+4107 | * | 00 43 14 | 104 | 113 | 168 |
| NY Vir | * | 13 38 48 | 123 | 127 | 164 | J0043+4117 | * | 00 43 20 | 59 | 94 | 168 |
| OU Vir | * | 14 35 00 | 49 | 92 | 165 | 0133+1124 | * | 01 36 26 | 118 | 128 | 168 |
| UY Vol | * | 07 48 34 | 104 | 112 | 165 | 0136+7653 | * | 01 41 21 | 117 | 128 | 168 |
| VW Vul | * | 20 57 45 | 33 | 92 | 165 | J0153+7446 | * | 01 53 21 | 34 | 94 | 168 |
| PW Vul | * | 19 26 05 | 30 | 92 | 165 | J0154-5947 | * | 01 54 01 | 57 | 94 | 168 |
| QQ Vul | * | 20 05 42 | 36 | 92 | 165 | J0155+0028 | * | 01 55 43 | 55 | 94 | 168 |
| QU Vul | * | 20 26 46 | 42 | 93 | 165 | 0158-0939 | * | 02 00 52 | 59 | 94 | 168 |
| QZ Vul | * | 20 02 49 | 102 | 112 | 165 | J0230-6842 | * | 02 30 51 | 41 | 94 | 168 |
| V405 Vul | * | 19 53 05 | 42 | 93 | 165 | 0416+7007 | * | 04 21 29 | 121 | 128 | 168 |
| V406 Vul | * | 18 58 42 | 102 | 112 | 165 | 0422-2014 | * | 04 24 41 | 37 | 94 | 168 |
| V407 Vul | * | 19 14 26 | 59 | 93 | 165 | J0425-5714 | * | 04 25 39 | 55 | 94 | 169 |
| Abell 65 | * | 19 46 34 | 118 | 127 | 165 | J0425-1945 | * | 04 25 55 | 55 | 94 | 169 |
| AC 211 | * | 21 29 58 | 101 | 112 | 165 | J0439-6809 | * | 04 39 50 | 39 | 95 | 169 |
| AKO 9 | * | 00 24 05 | 23 | 93 | 166 | 0455+8315 | * | 05 06 48 | 37 | 95 | 169 |
| BPM 71214 | * | 03 32 43 | 122 | 127 | 166 | 0511-7955 | * | 05 07 54 | 38 | 95 | 169 |
| CAL 83 | * | 05 43 34 | 23 | 93 | 166 | J0513-6951 | * | 05 13 51 | 23 | 95 | 169 |
| CAL 86 | * | 05 46 15 | 52 | 93 | 166 | J0524+4244 | * | 05 24 31 | 42 | 95 | 169 |
| CAL 87 | * | 05 46 45 | 25 | 93 | 166 | J0527-6954 | * | 05 27 49 | 25 | 95 | 169 |
| CE 315 | * | 13 12 47 | 58 | 93 | 166 | 0528-5857 | * | 05 29 29 | 37 | 95 | 169 |
| CV 496-083 | * | | 40 | 93 | 166 | J0537-7034 | * | 05 37 45 | 37 | 95 | 169 |
| Feige 11 | * | 01 04 22 | 120 | 127 | 166 | 0551+7241 | * | 05 57 24 | 38 | 95 | 169 |
| Feige 24 | * | 02 35 08 | 116 | 127 | 166 | 0556-5935 | * | 05 57 13 | 38 | 95 | 169 |
| Feige 36 | * | 11 04 32 | 121 | 127 | 166 | J0558+6753 | * | 05 58 18 | 36 | 95 | 169 |
| Feige 55 | * | 12 04 39 | 117 | 127 | 166 | J0625+7334 | * | 06 25 16 | 31 | 95 | 169 |
| G 203-47A | * | 17 09 31 | 115 | 127 | 166 | J0649-0737 | * | 06 49 51 | 32 | 95 | 169 |
| GD 552 | * | 22 50 40 | 50 | 93 | 166 | J0704+6203 | * | 07 04 10 | 51 | 96 | 169 |
| HD 49798 | * | 06 48 05 | 117 | 127 | 166 | 0705+6700 | * | 07 10 42 | 123 | 129 | 169 |
| HD 171858 | * | 18 37 57 | 117 | 128 | 166 | J0749-0549 | * | 07 49 10 | 36 | 96 | 169 |
| Hf 2-2 | * | 18 32 31 | 120 | 128 | 166 | J0806+1527 | * | 08 06 23 | 59 | 96 | 169 |
| HtTr 4 | * | 16 45 00 | 117 | 128 | 166 | 0808+1106 | * | 08 11 13 | 118 | 129 | 170 |
| HZ 9 | * | 04 32 23 | 120 | 128 | 166 | J0813+4528 | * | 08 13 22 | 27 | 96 | 170 |
| LD 317 | * | 23 44 57 | 36 | 93 | 166 | J0820+4934 | * | 08 20 51 | 50 | 96 | 170 |
| Leo 7 | * | 09 38 37 | 31 | 93 | 166 | 0839+3955 | * | 08 43 13 | 116 | 129 | 170 |
| LMC X-2 | * | 05 20 29 | 102 | 112 | 167 | 0849+3155 | * | 08 52 55 | 119 | 129 | 170 |
| L870-2 | * | 01 37 59 | 117 | 128 | 167 | 0850+1700 | * | 08 53 24 | 115 | 129 | 170 |
| M 5-V101 | * | 15 18 14 | 28 | 93 | 167 | 0907+1220 | * | 09 10 25 | 115 | 129 | 170 |
| M51 X-7 | * | 13 30 01 | 104 | 112 | 167 | 0918+0258 | * | 09 21 28 | 118 | 129 | 170 |
| NGC 104-CV1 | * | 00 24 04 | 28 | 93 | 167 | 0922+1333 | * | 09 24 56 | 33 | 96 | 170 |
| NGC 104-CV3 | * | 00 24 07 | 35 | 94 | 167 | 0928+5004 | * | 09 32 15 | 25 | 96 | 170 |
| NGC 104-X5 | * | 00 24 01 | 102 | 112 | 167 | J0929-3123 | * | 09 29 20 | 105 | 113 | 170 |
| NGC 104-X7 | * | 00 24 04 | 103 | 112 | 167 | 0934+1838 | * | 09 37 16 | 116 | 129 | 170 |
| NGC 6121-V46 | * | 16 23 47 | 123 | 128 | 167 | 0940+0649 | * | 09 42 55 | 115 | 129 | 170 |
| NGC 6397-CV1 | * | 17 40 41 | 24 | 94 | 167 | J0944+0358 | * | 09 44 32 | 37 | 96 | 170 |
| NGC 6397-CV6 | * | 17 40 49 | 28 | 94 | 167 | J0953+1458 | * | 09 53 08 | 50 | 96 | 170 |
| NGC 6752-CV1 | * | 19 10 52 | 30 | 94 | 167 | 0957-6639 | * | 09 58 55 | 123 | 129 | 170 |
| NGC 6752-CV2 | * | 19 10 52 | 36 | 94 | 167 | 1000+6643 | * | 10 04 35 | 38 | 96 | 170 |

* : Alternative designations of this object are listed on page 177 - 238

| Object | | RA (2000) h m s | TS | Page RS | FC | Object | | RA (2000) h m s | TS | Page RS | FC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| J1002-1925 | * | 10 02 12 | 49 | 96 | 170 | 1619+5213 | * | 16 20 39 | 115 | 131 | 172 |
| J1007-2017 | * | 10 07 35 | 37 | 96 | 170 | 1624-4904 | * | 16 28 02 | 101 | 113 | 172 |
| J1016-0520 | * | 10 16 29 | 119 | 129 | 170 | 1627+0144 | * | 16 29 35 | 119 | 131 | 172 |
| 1017-0838 | * | 10 20 14 | 123 | 129 | 170 | J1643+3402 | * | 16 43 46 | 41 | 97 | 172 |
| 1022+0501 | * | 10 25 00 | 118 | 129 | 170 | J1650-4957 | * | 16 50 01 | 103 | 113 | 172 |
| 1032+4036 | * | 10 35 17 | 115 | 130 | 170 | 1704+4807BC | * | 17 05 31 | 122 | 131 | 172 |
| J1039-0506 | * | 10 39 47 | 52 | 96 | 171 | 1705-4402 | * | 17 08 55 | 104 | 113 | 172 |
| 1042-6902 | * | 10 44 11 | 121 | 130 | 171 | J1710-2807 | * | 17 10 12 | 104 | 113 | 173 |
| 1043+7600 | * | 10 47 05 | 122 | 130 | 171 | 1713+3316 | * | 17 15 35 | 118 | 132 | 173 |
| 1045+5234 | * | 10 48 18 | 27 | 96 | 171 | 1716+4237 | * | 17 18 04 | 117 | 132 | 173 |
| 1047-0436 | * | 10 50 27 | 118 | 130 | 171 | 1725+2510 | * | 17 27 57 | 119 | 132 | 173 |
| J1050-1404 | * | 10 50 11 | 54 | 97 | 171 | J1730+6247 | * | 17 30 08 | 47 | 97 | 173 |
| 1101+3626 | * | 11 04 33 | 122 | 130 | 171 | 1735+2210 | * | 17 37 14 | 117 | 132 | 173 |
| 1110+2924 | * | 11 13 05 | 115 | 130 | 171 | 1740-2943 | * | 17 43 55 | 100 | 113 | 173 |
| 1114+1842 | * | 11 17 04 | 117 | 130 | 171 | 1743+4742 | * | 17 44 26 | 120 | 132 | 173 |
| 1115+1637 | * | 11 17 55 | 115 | 130 | 171 | J1744-2844 | * | 17 44 33 | 100 | 113 | 173 |
| 1116+3008 | * | 11 19 05 | 118 | 130 | 171 | J1745-2901 | * | 17 45 36 | 102 | 113 | 173 |
| J1125-0016 | * | 11 25 56 | 53 | 97 | 171 | 1746-3702 | * | 17 50 13 | 103 | 113 | 173 |
| J1131+4322 | * | 11 31 22 | 53 | 97 | 171 | 1747-3115 | * | 17 50 47 | 102 | 114 | 173 |
| 1136+6646 | * | 11 39 06 | 118 | 130 | 171 | J1751-3037 | * | 17 51 14 | 105 | 114 | 173 |
| J1155-5641 | * | 11 55 27 | 54 | 97 | 171 | 1758-2544 | * | 18 01 12 | 100 | 114 | 173 |
| 1204+4505 | * | 12 06 48 | 117 | 130 | 171 | 1811-1710 | * | 18 14 31 | 100 | 114 | 173 |
| 1230+0514 | * | 12 33 13 | 118 | 130 | 171 | 1813-1403 | * | 18 16 01 | 101 | 114 | 173 |
| 1241-0102 | * | 12 44 29 | 116 | 130 | 171 | 1820-3023 | * | 18 23 40 | 105 | 114 | 173 |
| 1244+1119 | * | 12 47 07 | 116 | 130 | 171 | 1824+0402 | * | 18 27 14 | 115 | 132 | 173 |
| 1247+5522 | * | 12 50 04 | 119 | 131 | 171 | J1832-0840 | * | 18 32 19 | 58 | 98 | 174 |
| 1248+1626 | * | 12 50 50 | 119 | 131 | 171 | 1832-3301 | * | 18 35 44 | 105 | 114 | 174 |
| J1300-3052 | * | 13 00 29 | 44 | 97 | 171 | J1846+5538 | * | 18 46 59 | 44 | 98 | 174 |
| 1300+2756 | * | 13 02 42 | 117 | 131 | 171 | 1850-0846 | * | 18 53 05 | 105 | 114 | 174 |
| J1313-3259 | * | 13 13 17 | 33 | 97 | 171 | J1910+2856 | * | 19 10 59 | 38 | 98 | 174 |
| 1317+4520 | * | 13 19 14 | 116 | 131 | 172 | J1928-5001 | * | 19 28 28 | 50 | 98 | 174 |
| 1323-6152 | * | 13 26 36 | 104 | 113 | 172 | 1933+5100 | * | 19 34 36 | 40 | 98 | 174 |
| J1324-6200 | * | 13 24 23 | 101 | 113 | 172 | 1946+4340 | * | 19 47 43 | 120 | 132 | 174 |
| J1324+0320 | * | 13 24 12 | 42 | 97 | 172 | J1951+3716 | * | 19 51 48 | 24 | 98 | 174 |
| 1329+1556 | * | 13 31 54 | 122 | 131 | 172 | J1958+3232 | * | 19 58 15 | 32 | 98 | 174 |
| 1347-1258 | * | 13 49 52 | 122 | 131 | 172 | 2009+6216 | * | 20 10 43 | 119 | 132 | 174 |
| 1349+1424 | * | 13 51 54 | 117 | 131 | 172 | J2013+4002 | * | 20 13 09 | 119 | 132 | 174 |
| 1414-0848 | * | 14 16 52 | 120 | 131 | 172 | 2032+1849 | * | 20 35 14 | 116 | 132 | 174 |
| J1422-0221 | * | 14 22 56 | 39 | 97 | 172 | 2040+3954 | * | 20 42 34 | 117 | 132 | 174 |
| J1424-0227 | * | 14 24 39 | 35 | 97 | 172 | J2130+4710 | * | 21 30 18 | 120 | 132 | 174 |
| 1428+3723 | * | 14 30 43 | 118 | 131 | 172 | 2154+4048 | * | 21 56 18 | 121 | 132 | 174 |
| 1432+1553 | * | 14 35 19 | 122 | 131 | 172 | J2157+0855 | * | 21 57 32 | 39 | 98 | 174 |
| 1512+2421 | * | 15 14 33 | 118 | 131 | 172 | 2209-1444 | * | 22 12 18 | 121 | 132 | 174 |
| 1519+6402 | * | 15 20 31 | 120 | 131 | 172 | J2303+0106 | * | 23 03 52 | 51 | 98 | 175 |
| 1528+1025 | * | 15 31 10 | 121 | 131 | 172 | J2315-3048 | * | 23 15 32 | 56 | 98 | 175 |
| J1548-4528 | * | 15 48 15 | 25 | 97 | 172 | J2316-0527 | * | 23 16 04 | 37 | 98 | 175 |
| J1553+5516 | * | 15 53 31 | 32 | 97 | 172 | J2329+0628 | * | 23 29 54 | 58 | 98 | 175 |
| J1554+2721 | * | 15 54 12 | 43 | 97 | 172 | 2331+2902 | * | 23 34 21 | 122 | 132 | 175 |
| J1610+0352 | * | 16 10 07 | 40 | 97 | 172 | J2337+4308 | * | 23 37 59 | 34 | 99 | 175 |
| 1613-5055 | * | 16 17 36 | 103 | 113 | 172 | 2345+3148 | * | 23 48 08 | 122 | 133 | 175 |

* : Alternative designations of this object are listed on page 177 - 238

# List of Objects in Order of Right Ascension

| Object | | RA (2000) h m s | Page TS | RS | FC | Object | | RA (2000) h m s | Page TS | RS | FC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CV 496-083 | * | | 40 | 93 | 166 | UV Per | * | 02 10 08 | 52 | 83 | 155 |
| BE Oct | * | 00 00 49 | 48 | 80 | 152 | TZ Per | * | 02 13 51 | 28 | 83 | 155 |
| 0001+2731 | * | 00 03 56 | 120 | 128 | 168 | KV And | * | 02 17 14 | 49 | 60 | 134 |
| V402 And | * | 00 11 07 | 54 | 61 | 134 | WY Tri | * | 02 25 01 | 48 | 89 | 161 |
| WW Cet | * | 00 11 25 | 32 | 69 | 142 | RW Tri | * | 02 25 36 | 29 | 89 | 161 |
| QR And | * | 00 19 50 | 24 | 60 | 134 | AM Cas | * | 02 26 23 | 34 | 67 | 140 |
| V592 Cas | * | 00 20 52 | 42 | 67 | 140 | J0230-6842 | * | 02 30 51 | 41 | 94 | 168 |
| CM Phe | * | 00 21 33 | 27 | 84 | 156 | Feige 24 | * | 02 35 08 | 116 | 127 | 166 |
| NGC 104-X5 | * | 00 24 01 | 102 | 112 | 167 | WW Hor | * | 02 36 12 | 46 | 77 | 149 |
| NGC 104-CV1 | * | 00 24 04 | 28 | 93 | 167 | PU Per | * | 02 42 16 | 50 | 84 | 155 |
| NGC 104-X7 | * | 00 24 04 | 103 | 112 | 167 | PV Per | * | 02 42 54 | 47 | 84 | 156 |
| AKO 9 | * | 00 24 05 | 23 | 93 | 166 | UW Tri | * | 02 45 17 | 56 | 89 | 161 |
| NGC 104-CV3 | * | 00 24 07 | 35 | 94 | 167 | WX Ari | * | 02 47 36 | 39 | 63 | 137 |
| 0025+5402 | * | 00 28 29 | 116 | 128 | 168 | PY Per | * | 02 50 00 | 36 | 84 | 156 |
| V709 Cas | * | 00 28 49 | 29 | 68 | 141 | XY Ari | * | 02 56 08 | 28 | 63 | 137 |
| PX And | * | 00 30 06 | 37 | 60 | 134 | V664 Cas | * | 03 03 47 | 119 | 124 | 140 |
| 0035-7230 | * | 00 37 20 | 33 | 94 | 168 | CP Eri | * | 03 10 33 | 58 | 74 | 146 |
| HV And | * | 00 40 55 | 57 | 60 | 134 | CC Cet | * | 03 10 55 | 121 | 124 | 142 |
| LL And | | 00 41 52 | 57 | 60 | 134 | EF Eri | * | 03 14 13 | 56 | 74 | 146 |
| J0042+4118 | * | 00 42 08 | 104 | 113 | 168 | QY Per | * | 03 15 37 | 48 | 84 | 156 |
| J0043+4107 | * | 00 43 14 | 104 | 113 | 168 | FT Cam | * | 03 21 14 | 48 | 65 | 138 |
| J0043+4117 | * | 00 43 20 | 59 | 94 | 168 | GK Per | * | 03 31 12 | 23 | 83 | 155 |
| 0042+3244 | * | 00 44 49 | 100 | 113 | 168 | VY For | * | 03 32 05 | 35 | 74 | 147 |
| GX Cas | * | 00 49 02 | 44 | 67 | 140 | AF Cam | * | 03 32 16 | 26 | 64 | 138 |
| Feige 11 | * | 01 04 22 | 120 | 127 | 166 | BPM 71214 | * | 03 32 43 | 122 | 127 | 166 |
| RX And | * | 01 04 36 | 30 | 60 | 134 | UZ For | * | 03 35 29 | 44 | 74 | 146 |
| V723 Cas | * | 01 05 05 | 24 | 68 | 141 | V701 Tau | * | 03 44 02 | 52 | 88 | 161 |
| HT Cas | * | 01 10 13 | 49 | 67 | 140 | V471 Tau | * | 03 50 24 | 120 | 126 | 161 |
| FO And | * | 01 15 32 | 50 | 60 | 134 | Tau 2 | * | 04 00 37 | 37 | 94 | 168 |
| WX Cet | * | 01 17 04 | 56 | 69 | 142 | VW Hyi | * | 04 09 11 | 49 | 77 | 149 |
| TY Psc | * | 01 25 39 | 51 | 84 | 156 | XZ Eri | * | 04 11 26 | 54 | 73 | 146 |
| EQ Cet | * | 01 28 52 | 53 | 69 | 142 | RR Cae | * | 04 21 06 | 121 | 124 | 138 |
| CV Hyi | * | 01 32 42 | 58 | 78 | 149 | 0416+7007 | * | 04 21 29 | 121 | 128 | 168 |
| 0133+1124 | * | 01 36 26 | 118 | 128 | 168 | V518 Per | * | 04 21 43 | 103 | 109 | 156 |
| TW Tri | * | 01 36 37 | 30 | 89 | 161 | AH Eri | * | 04 22 38 | 28 | 73 | 146 |
| AY Psc | * | 01 36 55 | 29 | 84 | 157 | 0422-2014 | * | 04 24 41 | 37 | 94 | 168 |
| KT Per | * | 01 37 09 | 34 | 83 | 155 | J0425-5714 | * | 04 25 39 | 55 | 94 | 169 |
| L870-2 | * | 01 37 59 | 117 | 128 | 167 | J0425-1945 | * | 04 25 55 | 55 | 94 | 169 |
| BL Hyi | * | 01 41 00 | 46 | 78 | 149 | IQ Cam | * | 04 26 07 | 123 | 124 | 138 |
| 0136+7653 | * | 01 41 21 | 117 | 128 | 168 | HZ 9 | * | 04 32 23 | 120 | 128 | 166 |
| AR And | * | 01 45 03 | 34 | 60 | 134 | J0439-6809 | * | 04 39 50 | 39 | 95 | 169 |
| J0153+7446 | * | 01 53 21 | 34 | 94 | 168 | TU Men | * | 04 41 41 | 42 | 80 | 151 |
| J0154-5947 | * | 01 54 01 | 57 | 94 | 168 | FY Per | * | 04 41 57 | 28 | 83 | 155 |
| J0155+0028 | * | 01 55 43 | 55 | 94 | 168 | HV Aur | * | 04 53 17 | 45 | 64 | 137 |
| 0158-0939 | * | 02 00 52 | 59 | 94 | 168 | RS Cae | * | 04 53 26 | 50 | 64 | 138 |
| V Per | * | 02 01 54 | 43 | 83 | 155 | V1208 Tau | * | 04 59 44 | 51 | 88 | 161 |
| AI Tri | * | 02 03 49 | 31 | 89 | 161 | HY Eri | * | 05 01 46 | 42 | 74 | 146 |
| BO Cet | * | 02 06 39 | 39 | 69 | 142 | V1062 Tau | * | 05 02 28 | 25 | 88 | 161 |
| TT Ari | * | 02 06 53 | 40 | 63 | 137 | AQ Eri | * | 05 06 13 | 54 | 73 | 146 |
| WX Hyi | * | 02 09 51 | 48 | 77 | 149 | 0455+8315 | * | 05 06 48 | 37 | 95 | 169 |

* : Alternative designations of this object are listed on page 177 - 238

| Object | | RA (2000) h m s | TS | Page RS | FC | Object | | RA (2000) h m s | TS | Page RS | FC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0511-7955 | * | 05 07 54 | 38 | 95 | 169 | HS Cam | * | 07 19 14 | 51 | 65 | 138 |
| UU Col | * | 05 12 13 | 38 | 70 | 142 | IN CMa | * | 07 20 48 | 118 | 124 | 139 |
| J0513-6951 | * | 05 13 51 | 23 | 95 | 169 | AW Gem | * | 07 22 41 | 47 | 74 | 147 |
| V1309 Ori | * | 05 15 41 | 26 | 82 | 154 | SV CMi | * | 07 31 08 | 35 | 66 | 140 |
| V1193 Ori | * | 05 16 27 | 34 | 82 | 154 | BG CMi | * | 07 31 29 | 40 | 66 | 140 |
| LMC X-2 | * | 05 20 29 | 102 | 112 | 167 | DN Lyn | * | 07 31 43 | 38 | 79 | 151 |
| J0524+4244 | * | 05 24 31 | 42 | 95 | 169 | V436 Car | * | 07 44 58 | 32 | 67 | 140 |
| J0527-6954 | * | 05 27 49 | 25 | 95 | 169 | UY Pup | * | 07 46 31 | 25 | 84 | 157 |
| QZ Aur | * | 05 28 34 | 26 | 64 | 137 | UY Vol | * | 07 48 34 | 104 | 112 | 165 |
| V1159 Ori | * | 05 29 00 | 54 | 81 | 154 | BV Pup | * | 07 49 05 | 27 | 85 | 157 |
| TV Col | * | 05 29 25 | 29 | 70 | 142 | J0749-0549 | * | 07 49 10 | 36 | 96 | 169 |
| 0528-5857 | * | 05 29 29 | 37 | 95 | 169 | PQ Gem | * | 07 51 17 | 29 | 75 | 147 |
| UW Pic | * | 05 31 36 | 43 | 84 | 156 | BX Pup | * | 07 54 16 | 41 | 85 | 157 |
| AA Dor | * | 05 31 41 | 121 | 125 | 145 | U Gem | * | 07 55 05 | 32 | 74 | 147 |
| T Aur | * | 05 31 59 | 30 | 63 | 137 | HT Cam | * | 07 57 01 | 55 | 65 | 138 |
| V363 Aur | * | 05 33 34 | 26 | 64 | 137 | HZ Pup | * | 08 03 23 | 30 | 85 | 157 |
| TW Pic | * | 05 34 51 | 27 | 84 | 156 | V516 Pup | * | 08 03 46 | 43 | 85 | 157 |
| J0537-7034 | * | 05 37 45 | 37 | 95 | 169 | J0806+1527 | * | 08 06 23 | 59 | 96 | 169 |
| BY Cam | * | 05 42 49 | 39 | 64 | 138 | Z Cha | * | 08 07 28 | 49 | 69 | 142 |
| TX Col | * | 05 43 20 | 28 | 70 | 142 | YZ Cnc | * | 08 10 57 | 44 | 65 | 138 |
| CAL 83 | * | 05 43 34 | 23 | 93 | 166 | 0808+1106 | * | 08 11 13 | 118 | 129 | 170 |
| CAL 86 | * | 05 46 15 | 52 | 93 | 166 | V351 Pup | * | 08 11 38 | 42 | 85 | 157 |
| CAL 87 | * | 05 46 45 | 25 | 93 | 166 | CP Pup | * | 08 11 46 | 54 | 85 | 157 |
| FS Aur | * | 05 47 48 | 55 | 64 | 137 | SU UMa | * | 08 12 28 | 48 | 89 | 162 |
| CN Ori | * | 05 52 08 | 34 | 81 | 153 | J0813+4528 | * | 08 13 22 | 27 | 96 | 170 |
| 0556-5935 | * | 05 57 13 | 38 | 95 | 169 | DY Pup | * | 08 13 48 | 40 | 85 | 157 |
| 0551+7241 | * | 05 57 24 | 38 | 95 | 169 | VV Pup | * | 08 15 07 | 50 | 84 | 157 |
| V405 Aur | * | 05 57 59 | 33 | 64 | 137 | IX Vel | * | 08 15 19 | 31 | 91 | 164 |
| J0558+6753 | * | 05 58 18 | 36 | 95 | 169 | J0820+4934 | * | 08 20 51 | 50 | 96 | 170 |
| V347 Pup | * | 06 10 34 | 29 | 85 | 157 | BH Lyn | * | 08 22 36 | 35 | 79 | 151 |
| AH Men | * | 06 11 44 | 41 | 80 | 151 | Z Cam | * | 08 25 13 | 27 | 64 | 138 |
| SS Aur | * | 06 13 22 | 32 | 63 | 137 | AT Cnc | * | 08 28 37 | 31 | 65 | 139 |
| KR Aur | * | 06 15 44 | 34 | 64 | 137 | WX Pyx | * | 08 33 06 | 59 | 85 | 157 |
| CZ Ori | | 06 16 43 | 29 | 81 | 153 | CC Cnc | * | 08 36 19 | 49 | 65 | 139 |
| V1055 Ori | * | 06 17 07 | 100 | 109 | 154 | SW UMa | * | 08 36 43 | 56 | 89 | 162 |
| V616 Mon | * | 06 22 44 | 102 | 108 | 152 | EI UMa | * | 08 38 22 | 27 | 90 | 163 |
| J0625+7334 | * | 06 25 16 | 31 | 95 | 169 | EG Cnc | * | 08 43 04 | 55 | 65 | 139 |
| BZ Cam | * | 06 29 34 | 36 | 65 | 138 | 0839+3955 | * | 08 43 13 | 116 | 129 | 170 |
| RR Pic | * | 06 35 36 | 38 | 84 | 156 | AC Cnc | * | 08 44 27 | 26 | 65 | 139 |
| CW Mon | * | 06 36 55 | 32 | 80 | 152 | CT Hya | * | 08 51 07 | 52 | 77 | 149 |
| UV Gem | * | 06 38 44 | 44 | 74 | 147 | EU Cnc | * | 08 51 27 | 44 | 66 | 139 |
| PU CMa | * | 06 40 48 | 56 | 66 | 140 | 0849+3155 | * | 08 52 55 | 119 | 129 | 170 |
| BT Mon | * | 06 43 47 | 26 | 80 | 152 | 0850+1700 | * | 08 53 24 | 115 | 129 | 170 |
| DM Gem | * | 06 44 12 | 41 | 74 | 147 | BZ UMa | * | 08 53 44 | 51 | 90 | 162 |
| HL CMa | * | 06 45 17 | 29 | 66 | 139 | AK Cnc | * | 08 55 21 | 52 | 65 | 139 |
| IR Gem | * | 06 47 35 | 51 | 75 | 147 | VW Pyx | * | 08 57 46 | 119 | 125 | 157 |
| HD 49798 | * | 06 48 05 | 117 | 127 | 166 | CU Vel | * | 08 58 33 | 46 | 91 | 164 |
| J0649-0737 | * | 06 49 51 | 32 | 95 | 169 | VZ Pyx | * | 08 59 20 | 49 | 85 | 157 |
| DN Gem | * | 06 54 54 | 41 | 74 | 147 | SY Cnc | * | 09 01 03 | 25 | 65 | 138 |
| CG CMa | * | 07 04 05 | 54 | 66 | 139 | BP Lyn | * | 09 03 09 | 36 | 79 | 151 |
| J0704+6203 | * | 07 04 10 | 51 | 96 | 169 | T Pyx | * | 09 04 42 | 48 | 85 | 157 |
| V651 Mon | * | 07 09 22 | 115 | 125 | 152 | GY Cnc | * | 09 09 51 | 32 | 66 | 139 |
| 0705+6700 | * | 07 10 42 | 123 | 129 | 169 | 0907+1220 | * | 09 10 25 | 115 | 129 | 170 |
| WY CMa | * | 07 11 40 | 23 | 66 | 139 | DI UMa | * | 09 12 16 | 57 | 90 | 162 |
| V348 Pup | * | 07 12 33 | 43 | 85 | 157 | MM Hya | * | 09 14 14 | 56 | 77 | 149 |
| AQ CMi | * | 07 14 35 | 52 | 66 | 140 | GZ Cnc | * | 09 15 52 | 44 | 66 | 139 |
| HR Cam | * | 07 17 09 | 123 | 124 | 138 | BK Lyn | * | 09 20 11 | 48 | 79 | 151 |

* : Alternative designations of this object are listed on page 177 - 238

| Object | | RA (2000) h m s | TS | Page RS | FC | Object | | RA (2000) h m s | TS | Page RS | FC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0918+0258 | * | 09 21 28 | 118 | 129 | 170 | AN UMa | * | 11 04 26 | 46 | 90 | 162 |
| AR Cnc | * | 09 22 08 | 29 | 65 | 139 | Feige 36 | * | 11 04 32 | 121 | 127 | 166 |
| V395 Car | * | 09 22 35 | 100 | 107 | 140 | 1101+3626 | * | 11 04 33 | 122 | 130 | 171 |
| 0922+1333 | * | 09 24 56 | 33 | 96 | 170 | ST LMi | * | 11 05 40 | 46 | 79 | 150 |
| MR Vel | * | 09 25 46 | 23 | 92 | 164 | QU Car | * | 11 05 43 | 24 | 67 | 140 |
| MN Hya | * | 09 29 07 | 38 | 77 | 149 | RS Car | * | 11 08 06 | 46 | 67 | 140 |
| J0929-3123 | * | 09 29 20 | 105 | 113 | 170 | 1110+2924 | * | 11 13 05 | 115 | 130 | 171 |
| 0928+5004 | * | 09 32 15 | 25 | 96 | 170 | V436 Cen | * | 11 14 00 | 53 | 68 | 141 |
| 0934+1838 | * | 09 37 16 | 116 | 129 | 170 | AR UMa | * | 11 15 45 | 46 | 90 | 162 |
| Leo 7 | * | 09 38 37 | 31 | 93 | 166 | 1114+1842 | * | 11 17 04 | 117 | 130 | 171 |
| 0940+0649 | * | 09 42 55 | 115 | 129 | 170 | DP Leo | * | 11 17 16 | 54 | 78 | 150 |
| J0944+0358 | * | 09 44 32 | 37 | 96 | 170 | 1115+1637 | * | 11 17 55 | 115 | 130 | 171 |
| DV UMa | * | 09 46 37 | 44 | 90 | 162 | KV UMa | * | 11 18 11 | 104 | 111 | 163 |
| ER UMa | * | 09 47 12 | 53 | 91 | 163 | 1116+3008 | * | 11 19 05 | 118 | 130 | 171 |
| X Leo | * | 09 51 02 | 34 | 78 | 150 | V442 Cen | * | 11 24 52 | 24 | 68 | 141 |
| RZ LMi | * | 09 51 49 | 56 | 79 | 150 | J1125-0016 | * | 11 25 56 | 53 | 97 | 171 |
| J0953+1458 | * | 09 53 08 | 50 | 96 | 170 | GU Mus | * | 11 26 27 | 102 | 108 | 152 |
| 0957-6639 | * | 09 58 55 | 123 | 129 | 170 | J1131+4322 | * | 11 31 22 | 53 | 97 | 171 |
| RU LMi | * | 10 02 08 | 28 | 79 | 150 | TT Crt | * | 11 34 47 | 27 | 70 | 143 |
| J1002-1925 | * | 10 02 12 | 49 | 96 | 170 | RZ Leo | * | 11 37 22 | 48 | 78 | 150 |
| 1000+6643 | * | 10 04 35 | 38 | 96 | 170 | T Leo | * | 11 38 27 | 55 | 78 | 150 |
| OY Car | * | 10 06 22 | 53 | 67 | 140 | 1136+6646 | * | 11 39 06 | 118 | 130 | 171 |
| CH UMa | * | 10 07 01 | 26 | 90 | 162 | V1033 Cen | * | 11 41 23 | 41 | 69 | 142 |
| J1007-2017 | * | 10 07 35 | 37 | 96 | 170 | DO Dra | * | 11 43 38 | 33 | 73 | 146 |
| MM Vel | * | 10 13 36 | 103 | 112 | 164 | TW Vir | * | 11 45 21 | 32 | 92 | 164 |
| SW Sex | * | 10 15 09 | 40 | 88 | 160 | EU UMa | * | 11 49 56 | 53 | 91 | 163 |
| GG Leo | * | 10 15 35 | 57 | 78 | 150 | GQ Mus | * | 11 52 03 | 55 | 80 | 152 |
| CP Dra | | 10 15 40 | 45 | 72 | 145 | BC UMa | * | 11 52 16 | 53 | 90 | 162 |
| KO Vel | * | 10 15 58 | 25 | 92 | 164 | J1155-5641 | * | 11 55 27 | 54 | 97 | 171 |
| J1016-0520 | * | 10 16 29 | 119 | 129 | 170 | LZ Mus | * | 11 56 09 | 33 | 80 | 152 |
| V381 Vel | * | 10 16 59 | 43 | 92 | 164 | BE UMa | * | 11 57 45 | 116 | 126 | 162 |
| CI UMa | * | 10 18 13 | 55 | 90 | 162 | V359 Cen | * | 11 58 15 | 47 | 68 | 141 |
| RW Sex | * | 10 19 57 | 28 | 88 | 160 | TW Crv | * | 12 00 06 | 121 | 125 | 143 |
| 1017-0838 | * | 10 20 14 | 123 | 129 | 170 | Feige 55 | * | 12 04 39 | 117 | 127 | 166 |
| KS UMa | * | 10 20 27 | 51 | 91 | 163 | 1204+4505 | * | 12 06 48 | 117 | 130 | 171 |
| U Leo | * | 10 24 04 | 27 | 78 | 150 | CP Cru | * | 12 10 31 | 24 | 71 | 143 |
| 1022+0501 | * | 10 25 00 | 118 | 129 | 170 | MU Cen | * | 12 12 54 | 26 | 68 | 141 |
| WX LMi | * | 10 26 27 | 42 | 79 | 150 | UX CVn | * | 12 14 48 | 119 | 124 | 139 |
| UZ Sex | * | 10 28 35 | 119 | 126 | 160 | EG UMa | * | 12 15 44 | 119 | 126 | 163 |
| DW UMa | * | 10 33 53 | 40 | 90 | 163 | TV Crv | * | 12 20 24 | 53 | 70 | 143 |
| 1032+4036 | * | 10 35 17 | 115 | 130 | 170 | LM Com | * | 12 26 31 | 122 | 124 | 143 |
| RX Cha | * | 10 36 26 | 45 | 69 | 142 | CQ Dra bc | * | 12 30 07 | 33 | 73 | 145 |
| J1039-0506 | * | 10 39 47 | 52 | 96 | 171 | AP Cru | * | 12 31 21 | 30 | 71 | 143 |
| DO Leo | * | 10 40 51 | 29 | 78 | 150 | AL Com | * | 12 32 26 | 56 | 70 | 142 |
| IY UMa | * | 10 43 57 | 49 | 91 | 163 | 1230+0514 | * | 12 33 13 | 118 | 130 | 171 |
| 1042-6902 | * | 10 44 11 | 121 | 130 | 171 | AM CVn | * | 12 34 55 | 58 | 66 | 139 |
| V382 Vel | * | 10 44 48 | 37 | 92 | 164 | V1025 Cen | * | 12 38 17 | 56 | 69 | 141 |
| 1043+7600 | * | 10 47 05 | 122 | 130 | 171 | IR Com | * | 12 39 32 | 44 | 70 | 143 |
| FH UMa | * | 10 47 10 | 57 | 91 | 163 | HW Vir | * | 12 44 20 | 123 | 127 | 164 |
| 1045+5234 | * | 10 48 18 | 27 | 96 | 171 | 1241-0102 | * | 12 44 29 | 116 | 130 | 171 |
| J1050-1404 | * | 10 50 11 | 54 | 97 | 171 | 1244+1119 | * | 12 47 07 | 116 | 130 | 171 |
| 1047-0436 | * | 10 50 27 | 118 | 130 | 171 | 1247+5522 | * | 12 50 04 | 119 | 131 | 171 |
| EK UMa | * | 10 51 35 | 46 | 90 | 163 | 1248+1626 | * | 12 50 50 | 119 | 131 | 171 |
| SX LMi | * | 10 54 30 | 52 | 79 | 150 | EX Hya | * | 12 52 24 | 51 | 77 | 149 |
| KV Vel | * | 10 54 41 | 121 | 126 | 164 | GO Com | * | 12 56 37 | 52 | 70 | 143 |
| CY UMa | * | 10 56 57 | 51 | 90 | 162 | V485 Cen | * | 12 57 23 | 58 | 68 | 141 |
| TU Crt | * | 11 03 37 | 45 | 70 | 143 | GR Mus | * | 12 57 37 | 104 | 108 | 152 |

* : Alternative designations of this object are listed on page 177 - 238

| Object | | RA (2000) h m s | TS | Page RS | FC |
|---|---|---|---|---|---|
| J1300-3052 | * | 13 00 29 | 44 | 97 | 171 |
| 1300+2756 | * | 13 02 42 | 117 | 131 | 171 |
| GP Com | * | 13 05 43 | 58 | 70 | 143 |
| EV UMa | * | 13 07 54 | 57 | 91 | 163 |
| CE 315 | * | 13 12 47 | 58 | 93 | 166 |
| WX Cen | * | 13 12 52 | 25 | 68 | 141 |
| J1313-3259 | * | 13 13 17 | 33 | 97 | 171 |
| 1317+4520 | * | 13 19 14 | 116 | 131 | 172 |
| HV Vir | * | 13 21 03 | 56 | 92 | 164 |
| V803 Cen | * | 13 23 45 | 58 | 68 | 141 |
| J1324+0320 | * | 13 24 12 | 42 | 97 | 172 |
| J1324-6200 | * | 13 24 23 | 101 | 113 | 172 |
| RR Cha | * | 13 26 24 | 39 | 69 | 142 |
| 1323-6152 | * | 13 26 36 | 104 | 113 | 172 |
| DE CVn | * | 13 26 54 | 121 | 124 | 139 |
| M51 X-7 | * | 13 30 01 | 104 | 112 | 167 |
| BV Cen | * | 13 31 20 | 24 | 68 | 141 |
| LY Hya | * | 13 31 54 | 48 | 77 | 149 |
| 1329+1556 | * | 13 31 54 | 122 | 131 | 172 |
| UX UMa | * | 13 36 41 | 31 | 89 | 162 |
| NY Vir | * | 13 38 48 | 123 | 127 | 164 |
| HS Vir | * | 13 43 38 | 47 | 92 | 164 |
| CR Boo | * | 13 48 55 | 58 | 64 | 138 |
| 1347-1258 | * | 13 49 52 | 122 | 131 | 172 |
| 1349+1424 | * | 13 51 54 | 117 | 131 | 172 |
| SuWt 2 | * | 13 55 43 | 116 | 128 | 167 |
| BW Cir | * | 13 58 10 | 101 | 107 | 142 |
| V834 Cen | * | 14 09 08 | 50 | 68 | 141 |
| GK Vir | * | 14 15 36 | 121 | 127 | 164 |
| 1414-0848 | * | 14 16 52 | 120 | 131 | 172 |
| J1422-0221 | * | 14 22 56 | 39 | 97 | 172 |
| DD Cir | * | 14 23 23 | 43 | 70 | 142 |
| J1424-0227 | * | 14 24 39 | 35 | 97 | 172 |
| V895 Cen | * | 14 29 27 | 31 | 69 | 141 |
| 1428+3723 | * | 14 30 43 | 118 | 131 | 172 |
| OU Vir | * | 14 35 00 | 49 | 92 | 165 |
| 1432+1553 | * | 14 35 19 | 122 | 131 | 172 |
| UZ Boo | * | 14 44 01 | 41 | 64 | 138 |
| BY Cir | * | 14 44 54 | 27 | 70 | 142 |
| KV Dra | * | 14 50 38 | 56 | 73 | 146 |
| BZ Cir | * | 14 54 15 | 47 | 70 | 142 |
| TT Boo | * | 14 57 45 | 47 | 64 | 137 |
| V822 Cen | * | 14 58 22 | 101 | 107 | 141 |
| NY Ser | * | 15 13 02 | 43 | 88 | 160 |
| EK TrA | * | 15 14 01 | 53 | 89 | 161 |
| 1512+2421 | * | 15 14 33 | 118 | 131 | 172 |
| M 5-V101 | * | 15 18 14 | 28 | 93 | 167 |
| GW Lib | * | 15 19 56 | 58 | 79 | 150 |
| 1519+6402 | * | 15 20 31 | 120 | 131 | 172 |
| ES Dra | * | 15 25 32 | 32 | 73 | 146 |
| QW Ser | * | 15 26 14 | 48 | 88 | 160 |
| 1528+1025 | * | 15 31 10 | 121 | 131 | 172 |
| DM Dra | * | 15 34 12 | 44 | 73 | 146 |
| HP Lib | * | 15 35 53 | 58 | 79 | 151 |
| BR Lup | * | 15 35 53 | 46 | 79 | 151 |
| LX Ser | * | 15 38 00 | 35 | 88 | 160 |
| Ton 245 | * | 15 40 35 | 116 | 128 | 168 |
| CT Ser | * | 15 45 39 | 31 | 88 | 160 |
| IL Lup | * | 15 47 08 | 101 | 108 | 151 |
| J1548-4528 | * | 15 48 15 | 25 | 97 | 172 |
| AB Nor | * | 15 49 15 | 46 | 80 | 152 |
| V381 Nor | * | 15 50 59 | 101 | 109 | 152 |
| SS UMi | * | 15 51 22 | 51 | 91 | 163 |
| SP 1 | * | 15 51 41 | 116 | 128 | 167 |
| MR Ser | * | 15 52 47 | 46 | 88 | 160 |
| NN Ser | * | 15 52 56 | 122 | 126 | 160 |
| J1553+5516 | * | 15 53 31 | 32 | 97 | 172 |
| J1554+2721 | * | 15 54 12 | 43 | 97 | 172 |
| QZ Ser | * | 15 56 55 | 45 | 88 | 160 |
| VW CrB | * | 16 00 04 | 49 | 70 | 143 |
| LU TrA | * | 16 01 02 | 102 | 111 | 161 |
| UW CrB | * | 16 05 46 | 104 | 108 | 143 |
| J1610+0352 | * | 16 10 07 | 40 | 97 | 172 |
| QX Nor | * | 16 12 43 | 102 | 109 | 152 |
| V893 Sco | * | 16 15 15 | 48 | 87 | 159 |
| 1613-5055 | * | 16 17 36 | 103 | 113 | 172 |
| X Ser | * | 16 19 18 | 23 | 88 | 160 |
| V818 Sco | * | 16 19 55 | 101 | 110 | 159 |
| 1619+5213 | * | 16 20 39 | 115 | 131 | 172 |
| V589 Her | * | 16 22 07 | 43 | 76 | 148 |
| U Sco | * | 16 22 31 | 23 | 87 | 159 |
| NGC 6121-V46 | * | 16 23 47 | 123 | 128 | 167 |
| V844 Her | * | 16 25 02 | 57 | 76 | 149 |
| 1624-4904 | * | 16 28 02 | 101 | 113 | 172 |
| 1627+0144 | * | 16 29 35 | 119 | 131 | 172 |
| V592 Her | * | 16 30 57 | 57 | 76 | 148 |
| KZ TrA | * | 16 32 17 | 105 | 111 | 161 |
| V849 Her | * | 16 35 46 | 39 | 76 | 149 |
| V544 Her | * | 16 38 05 | 50 | 76 | 148 |
| OY Ara | * | 16 40 50 | 35 | 63 | 136 |
| V801 Ara | * | 16 40 55 | 104 | 107 | 137 |
| J1643+3402 | * | 16 43 46 | 41 | 97 | 172 |
| AH Her | * | 16 44 10 | 28 | 75 | 147 |
| HtTr 4 | * | 16 45 00 | 117 | 128 | 166 |
| RW UMi | * | 16 47 55 | 55 | 91 | 163 |
| J1650-4957 | * | 16 50 01 | 103 | 113 | 172 |
| V1033 Sco | * | 16 54 00 | 100 | 111 | 159 |
| V841 Oph | * | 16 59 30 | 24 | 81 | 153 |
| V2134 Oph | * | 17 02 06 | 103 | 109 | 153 |
| V821 Ara | * | 17 02 49 | 101 | 107 | 137 |
| 1704+4807BC | * | 17 05 31 | 122 | 131 | 172 |
| V1101 Sco | * | 17 05 44 | 101 | 111 | 159 |
| V992 Sco | * | 17 07 17 | 36 | 87 | 159 |
| V2107 Oph | * | 17 08 14 | 102 | 109 | 153 |
| V2051 Oph | * | 17 08 19 | 54 | 81 | 153 |
| 1705-4402 | * | 17 08 55 | 104 | 113 | 172 |
| G 203-47A | * | 17 09 31 | 115 | 127 | 166 |
| J1710-2807 | * | 17 10 12 | 104 | 113 | 173 |
| V2214 Oph | * | 17 12 02 | 42 | 81 | 153 |
| V2400 Oph | * | 17 12 36 | 38 | 81 | 153 |
| V795 Her | * | 17 12 56 | 42 | 76 | 148 |
| 1713+3316 | * | 17 15 35 | 118 | 132 | 173 |
| V877 Ara | * | 17 16 54 | 45 | 63 | 137 |
| 1716+4237 | * | 17 18 04 | 117 | 132 | 173 |

* : Alternative designations of this object are listed on page 177 - 238

| Object | | RA (2000) h m s | TS | Page RS | FC | Object | | RA (2000) h m s | TS | Page RS | FC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| V825 Her | * | 17 18 37 | 30 | 76 | 148 | 1832-3301 | * | 18 35 44 | 105 | 114 | 174 |
| V2293 Oph | * | 17 19 37 | 101 | 109 | 153 | HD 171858 | * | 18 37 57 | 117 | 128 | 166 |
| V478 Her | * | 17 21 06 | 41 | 76 | 148 | MM Ser | * | 18 39 57 | 102 | 111 | 160 |
| V1007 Her | * | 17 24 06 | 45 | 77 | 149 | BD Pav | * | 18 43 12 | 32 | 82 | 154 |
| 1725+2510 | * | 17 27 57 | 119 | 132 | 173 | AY Lyr | * | 18 44 27 | 49 | 79 | 151 |
| MT Ser | * | 17 29 02 | 123 | 126 | 160 | V344 Lyr | * | 18 44 39 | 44 | 80 | 151 |
| J1730+6247 | * | 17 30 08 | 47 | 97 | 173 | V347 Pav | * | 18 44 48 | 53 | 82 | 154 |
| AT Ara | * | 17 30 34 | 25 | 63 | 136 | V838 Her | * | 18 46 32 | 26 | 76 | 148 |
| MM Sco | * | 17 30 45 | 55 | 87 | 159 | J1846+5538 | * | 18 46 59 | 44 | 98 | 174 |
| V2216 Oph | * | 17 31 44 | 103 | 109 | 153 | V603 Aql | * | 18 48 55 | 40 | 62 | 135 |
| V442 Oph | * | 17 32 15 | 41 | 81 | 153 | CI Aql | * | 18 52 04 | 24 | 62 | 135 |
| 1735+2210 | * | 17 37 14 | 117 | 132 | 173 | CY Lyr | * | 18 52 41 | 35 | 80 | 151 |
| BF Ara | * | 17 38 21 | 45 | 63 | 136 | 1850-0846 | * | 18 53 05 | 105 | 114 | 174 |
| V926 Sco | * | 17 38 58 | 103 | 110 | 159 | V1223 Sgr | * | 18 55 02 | 39 | 87 | 158 |
| NGC 6397-CV1 | * | 17 40 41 | 24 | 94 | 167 | V446 Her | * | 18 57 22 | 30 | 75 | 148 |
| NGC 6397-CV6 | * | 17 40 49 | 28 | 94 | 167 | V406 Vul | * | 18 58 42 | 102 | 112 | 165 |
| V660 Her | * | 17 42 09 | 47 | 76 | 148 | DM Lyr | * | 18 58 44 | 52 | 80 | 151 |
| 1740-2943 | * | 17 43 55 | 100 | 113 | 173 | V1425 Aql | * | 19 05 27 | 28 | 62 | 136 |
| 1743+4742 | * | 17 44 26 | 120 | 132 | 173 | EP Dra | * | 19 07 06 | 49 | 73 | 146 |
| J1744-2844 | * | 17 44 33 | 100 | 113 | 173 | MV Lyr | * | 19 07 16 | 40 | 80 | 151 |
| J1745-2901 | * | 17 45 36 | 102 | 113 | 173 | CG Dra | * | 19 07 33 | 31 | 72 | 145 |
| 1746-3702 | * | 17 50 13 | 103 | 113 | 173 | V1493 Aql | * | 19 07 37 | 35 | 63 | 136 |
| V380 Oph | * | 17 50 14 | 35 | 81 | 152 | V419 Lyr | * | 19 10 14 | 43 | 80 | 151 |
| 1747-3115 | * | 17 50 47 | 102 | 114 | 173 | NGC 6752-CV1 | * | 19 10 52 | 30 | 94 | 167 |
| J1751-3037 | * | 17 51 14 | 105 | 114 | 173 | NGC 6752-CV2 | * | 19 10 52 | 36 | 94 | 167 |
| V697 Sco | * | 17 51 22 | 31 | 87 | 159 | J1910+2856 | * | 19 10 59 | 38 | 98 | 174 |
| V4134 Sgr | * | 17 58 40 | 103 | 110 | 159 | V1333 Aql | * | 19 11 16 | 101 | 106 | 136 |
| V394 CrA | * | 18 00 26 | 23 | 70 | 143 | QR Sge | * | 19 11 31 | 116 | 125 | 158 |
| V2301 Oph | * | 18 00 36 | 46 | 81 | 153 | V1315 Aql | * | 19 13 55 | 39 | 62 | 136 |
| 1758-2544 | * | 18 01 12 | 100 | 114 | 173 | V407 Vul | * | 19 14 26 | 59 | 93 | 165 |
| V884 Her | * | 18 02 07 | 46 | 76 | 149 | V1487 Aql | * | 19 15 11 | 100 | 106 | 136 |
| EX Dra | * | 18 04 14 | 30 | 73 | 146 | V729 Sgr | * | 19 16 49 | 33 | 86 | 158 |
| DQ Her | * | 18 07 30 | 31 | 75 | 148 | V1405 Aql | * | 19 18 48 | 105 | 106 | 136 |
| V617 Sgr | * | 18 07 51 | 30 | 86 | 158 | V1113 Cyg | * | 19 22 42 | 47 | 71 | 144 |
| V426 Oph | * | 18 07 52 | 27 | 81 | 152 | V1494 Aql | * | 19 23 05 | 40 | 63 | 136 |
| V4580 Sgr | * | 18 08 28 | 104 | 110 | 159 | KL Dra | * | 19 24 38 | 58 | 73 | 146 |
| V630 Sgr | * | 18 08 48 | 42 | 86 | 158 | PW Vul | * | 19 26 05 | 30 | 92 | 165 |
| UZ Ser | * | 18 11 25 | 33 | 88 | 160 | DH Aql | * | 19 26 11 | 47 | 62 | 135 |
| IX Dra | * | 18 12 31 | 52 | 73 | 146 | V368 Aql | * | 19 26 34 | 26 | 62 | 135 |
| V849 Oph | * | 18 14 07 | 33 | 81 | 153 | V2176 Cyg | * | 19 27 12 | 57 | 72 | 145 |
| V533 Her | * | 18 14 21 | 37 | 76 | 148 | J1928-5001 | * | 19 28 28 | 50 | 98 | 174 |
| 1811-1710 | * | 18 14 31 | 100 | 114 | 173 | V1504 Cyg | * | 19 28 57 | 50 | 72 | 144 |
| 1813-1403 | * | 18 16 01 | 101 | 114 | 173 | DO Aql | * | 19 31 26 | 33 | 62 | 135 |
| AM Her | * | 18 16 13 | 41 | 75 | 148 | V2214 Cyg | * | 19 32 15 | 123 | 125 | 145 |
| V4641 Sgr | * | 18 19 22 | 100 | 110 | 159 | WY Sge | * | 19 32 44 | 36 | 86 | 158 |
| V4633 Sgr | * | 18 21 41 | 41 | 87 | 159 | KX Aql | * | 19 33 54 | 55 | 62 | 135 |
| 1820-3023 | * | 18 23 40 | 105 | 114 | 173 | 1933+5100 | * | 19 34 36 | 40 | 98 | 174 |
| V691 CrA | * | 18 25 47 | 103 | 107 | 143 | V345 Pav | * | 19 35 43 | 31 | 82 | 154 |
| V909 Sgr | * | 18 25 52 | 39 | 86 | 158 | V1141 Aql | | 19 37 10 | 54 | 62 | 136 |
| 1824+0402 | * | 18 27 14 | 115 | 132 | 173 | QS Tel | * | 19 38 36 | 43 | 88 | 161 |
| V4634 Sgr | * | 18 29 28 | 104 | 110 | 159 | EM Cyg | * | 19 38 40 | 27 | 71 | 143 |
| V477 Lyr | * | 18 31 18 | 120 | 125 | 151 | V1432 Aql | * | 19 40 12 | 39 | 62 | 136 |
| V1017 Sgr | * | 18 32 05 | 23 | 86 | 158 | UU Sge | * | 19 42 10 | 120 | 125 | 158 |
| J1832-0840 | * | 18 32 19 | 58 | 98 | 174 | Abell 65 | * | 19 46 34 | 118 | 127 | 165 |
| Hf 2-2 | * | 18 32 31 | 120 | 128 | 166 | V3885 Sgr | * | 19 47 41 | 29 | 87 | 158 |
| V4077 Sgr | * | 18 34 39 | 35 | 87 | 158 | 1946+4340 | * | 19 47 43 | 120 | 132 | 174 |
| LL Lyr | * | 18 35 13 | 28 | 80 | 151 | AB Dra | * | 19 49 07 | 36 | 72 | 145 |

* : Alternative designations of this object are listed on page 177 - 238

| Object | | RA (2000) h m s | TS | Page RS | FC | Object | | RA (2000) h m s | TS | Page RS | FC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| J1951+3716 | * | 19 51 48 | 24 | 98 | 174 | V2069 Cyg | * | 21 23 45 | 26 | 72 | 145 |
| V500 Aql | * | 19 52 28 | 37 | 62 | 135 | IK Peg | * | 21 26 27 | 115 | 125 | 155 |
| V405 Vul | * | 19 53 05 | 42 | 93 | 165 | AC 211 | * | 21 29 58 | 101 | 112 | 165 |
| EY Cyg | * | 19 54 37 | 24 | 71 | 144 | J2130+4710 | * | 21 30 18 | 120 | 132 | 174 |
| V725 Aql | | 19 56 45 | 43 | 62 | 136 | V1727 Cyg | * | 21 31 26 | 103 | 108 | 145 |
| V393 Pav | * | 19 57 12 | 51 | 82 | 154 | CI Gru | * | 21 33 07 | 57 | 75 | 147 |
| UU Aql | * | 19 57 19 | 34 | 62 | 135 | IR Peg | * | 21 34 08 | 122 | 125 | 155 |
| J1958+3232 | * | 19 58 15 | 32 | 98 | 174 | V630 Cyg | * | 21 34 59 | 47 | 71 | 144 |
| AW Sge | * | 19 58 37 | 50 | 86 | 158 | LQ Peg | * | 21 36 19 | 41 | 83 | 155 |
| V4140 Sgr | * | 19 58 50 | 54 | 87 | 159 | CE Gru | * | 21 37 56 | 48 | 75 | 147 |
| V1408 Aql | * | 19 59 24 | 102 | 106 | 136 | V1251 Cyg | | 21 40 54 | 49 | 71 | 144 |
| V1028 Cyg | * | 20 00 57 | 55 | 71 | 144 | CF Gru | * | 21 41 23 | 50 | 75 | 147 |
| QZ Vul | * | 20 02 49 | 102 | 112 | 165 | V1668 Cyg | * | 21 42 35 | 40 | 72 | 145 |
| RZ Sge | * | 20 03 19 | 51 | 86 | 158 | SS Cyg | * | 21 42 43 | 27 | 71 | 143 |
| V1513 Cyg | * | 20 05 03 | 120 | 125 | 144 | V1341 Cyg | * | 21 44 41 | 100 | 108 | 144 |
| V550 Cyg | * | 20 05 05 | 52 | 71 | 144 | LS Peg | * | 21 51 58 | 33 | 83 | 155 |
| QQ Vul | * | 20 05 42 | 36 | 92 | 165 | 2154+4048 | * | 21 56 18 | 121 | 132 | 174 |
| V2274 Cyg | * | 20 07 18 | 26 | 72 | 145 | J2157+0855 | * | 21 57 32 | 39 | 98 | 174 |
| WZ Sge | * | 20 07 36 | 56 | 86 | 158 | FF Aqr | * | 22 00 36 | 115 | 124 | 135 |
| GS Pav | * | 20 08 08 | 35 | 82 | 154 | UU Aqr | * | 22 09 06 | 34 | 61 | 134 |
| V349 Pav | * | 20 08 56 | 42 | 82 | 154 | 2209-1444 | * | 22 12 18 | 121 | 132 | 174 |
| 2009+6216 | * | 20 10 43 | 119 | 132 | 174 | RU Peg | * | 22 14 03 | 25 | 82 | 154 |
| V1101 Aql | * | 20 13 04 | 38 | 62 | 136 | FO Aqr | * | 22 17 55 | 30 | 61 | 135 |
| J2013+4002 | * | 20 13 09 | 119 | 132 | 174 | HL Aqr | * | 22 20 27 | 40 | 61 | 135 |
| V794 Aql | * | 20 17 34 | 36 | 62 | 136 | DI Lac | * | 22 35 49 | 24 | 78 | 150 |
| V Sge | * | 20 20 15 | 24 | 85 | 158 | RZ Gru | * | 22 47 12 | 26 | 75 | 147 |
| V4738 Sgr | * | 20 22 38 | 57 | 87 | 159 | TY PsA | * | 22 49 40 | 45 | 84 | 157 |
| V1776 Cyg | * | 20 23 31 | 34 | 72 | 145 | GD 552 | * | 22 50 40 | 50 | 93 | 166 |
| Var 73 Dra | * | 20 23 38 | 43 | 94 | 168 | AO Psc | * | 22 55 18 | 36 | 84 | 156 |
| V404 Cyg | * | 20 24 04 | 100 | 108 | 144 | MS Peg | * | 22 58 48 | 122 | 125 | 155 |
| CM Del | * | 20 24 57 | 34 | 72 | 145 | V369 Peg | * | 23 03 42 | 45 | 83 | 155 |
| EZ Del | * | 20 25 23 | 32 | 72 | 145 | V425 Cas | * | 23 03 47 | 37 | 67 | 140 |
| QU Vul | * | 20 26 46 | 42 | 93 | 165 | J2303+0106 | * | 23 03 52 | 51 | 98 | 175 |
| V503 Cyg | * | 20 27 17 | 47 | 71 | 144 | CP Tuc | * | 23 15 19 | 54 | 89 | 161 |
| KK Tel | * | 20 28 39 | 45 | 88 | 161 | J2315-3048 | * | 23 15 32 | 56 | 98 | 175 |
| V1974 Cyg | * | 20 30 32 | 45 | 72 | 145 | J2316-0527 | * | 23 16 04 | 37 | 98 | 175 |
| 2032+1849 | * | 20 35 14 | 116 | 132 | 174 | IP Peg | * | 23 23 09 | 35 | 82 | 155 |
| HO Del | * | 20 36 56 | 53 | 72 | 145 | VY Scl | * | 23 29 01 | 29 | 87 | 160 |
| AE Aqr | * | 20 40 09 | 25 | 61 | 134 | DX And | * | 23 29 47 | 25 | 60 | 134 |
| HR Del | * | 20 42 20 | 30 | 72 | 145 | J2329+0628 | * | 23 29 54 | 58 | 98 | 175 |
| 2040+3954 | * | 20 42 34 | 117 | 132 | 174 | 2331+2902 | * | 23 34 21 | 122 | 132 | 175 |
| V751 Cyg | * | 20 52 13 | 38 | 71 | 144 | J2337+4308 | * | 23 37 59 | 34 | 99 | 175 |
| VW Vul | * | 20 57 45 | 33 | 92 | 165 | HX Peg | * | 23 40 24 | 31 | 82 | 154 |
| AO Oct | * | 21 05 08 | 52 | 80 | 152 | V705 Cas | * | 23 41 47 | 29 | 68 | 141 |
| HU Aqr | * | 21 07 58 | 44 | 61 | 135 | LD 317 | * | 23 44 57 | 36 | 93 | 166 |
| V1500 Cyg | * | 21 11 37 | 39 | 72 | 144 | 2345+3148 | * | 23 48 08 | 122 | 133 | 175 |
| VY Aqr | * | 21 12 09 | 53 | 61 | 134 | V630 Cas | * | 23 48 52 | 23 | 68 | 140 |
| EF Peg | | 21 15 04 | 45 | 82 | 154 | VZ Scl | * | 23 50 09 | 38 | 87 | 160 |
| CD Ind | * | 21 15 41 | 47 | 78 | 149 | BW Scl | * | 23 53 01 | 57 | 88 | 160 |
| LZ Aqr | * | 21 23 15 | 103 | 106 | 135 | V731 Cas | * | 23 57 00 | 23 | 68 | 141 |

* : Alternative designations of this object are listed on page 177 - 238

# Description of Table Headings and of Abbreviations

Object Name: Wherever possible, the designation of the object given in the General Catalogue of Variable Stars is used here.

Altern.Name: is a frequently used alternative name. Further alternative designations are given in the "Who's Who ?" section.

Coordinates: First row right ascension (J2000) in hrs min sec
Second row declination (J2000) in deg ' "

The coordinates are given in the following format:
right ascension: HH MM SS.S
declination : DDD MM SS A
In the declination field, "A" is the accuracy of of the coordinates in seconds of arc (written as a hexadecimal number, i.e. 10" = a , 11" = b , 12" = c , 13" = d , 14" = e , 15" = f). In a case where "A" > 15" or where the accuracy of the coordinates is not known, the "A"-field is left blank.

Type: (first and second row), the object type is coarsely characterised using the following abbreviations:

AC = AM CVn star, spectrum devoid of hydrogen lines, subtype of NL
AM = polar = AM Her system, subtype of NL, contains a synchronously rotating, magnetized white dwarf
AS = subtype of AM, with a slowly asynchronously rotating, magnetized white dwarf
AS = atoll source, subtype of the LMXBs
BH = black hole candidate, subtype of the LMXBs
CP = coherent pulsator, contains a coherently pulsating white dwarf or subdwarf
DA = non-magnetic direct accretor
DC = source with an accretion disc corona, subtype of the LMXBs
DD = system consists of two degenerate components
DN = dwarf nova

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DQ = DQ Her star, contains a non-synchronously
     rotating, magnetized white dwarf; usually not
     seen in X-rays
DS = detached system
EC = contains a polsating sdB star of the
     EC 14026-2647 type
ER = ER UMa star = SU UMa star with an extremely short
     supercycle
GC = source in a globular cluster
GW = contains a pulsating white dwarf of the GW Vir =
     PG 1159-035 type
IP = intermediate polar, shows coherent X-ray period
     from a non-synchronously spinning, magnetized
     white dwarf; usually a strong X-ray source
N  = classical nova
Na = fast nova (decline from max. by 3 mag. in less
     than about 100 days)
Nb = slow nova (decline from max. by 3 mag. in more
     than about 100 days)
Nc = extremely slow nova (typical time scale of the
     decline from maximum: decades)
NL = nova-like variable
Nr = recurrent nova
NS = system showing negative (nodal) superhumps
PN = central star of a planetary nebula
SH = non-SU UMa star showing either permanent or
     transient positive (apsidal) superhumps
SS = supersoft X-ray source; CV with stationary
     hydrogen burning on the white dwarf
SU = SU UMa star, subtype of DN
SW = SW Sex star, subtype of NL
UG = dwarf nova of either U Gem or SS Cyg subtype
UL = ultra-luminous X-ray source
UX = UX UMa star, subtype of NL
VY = VY Scl star (anti dwarf nova), subtype of NL
WZ = WZ Sge star = SU UMa star with an extremely long
     supercycle
XB = X-ray burst source
XP = X-ray pulsar
XT = transient X-ray source
ZC = Z Cam star, subtype of DN
ZS = Z-source, subtype of the LMXBs
ZZ = white dwarf shows ZZ Ceti-type pulsations
```

Mag1, Mag3
Mag2, Mag4: apparent V magnitude (B magnitude if followed by B)
with the following meaning:

Mag1 = maximum brightness of
novae (N,Na,Nb,Nc,Nr) in minimum
DN (UG,ZC,SU) in minimum
NL (UX,AC) in normal state
NL (AM,VY) in high state
XT in quiescence
DS outside eclipse

Mag2 = minimum brightness, in case of eclipses magn.
at mideclipse, of
novae (N,Na,Nb,Nc,Nr) in minimum
DN (UG,ZC,SU) in minimum
NL (UX,AC) in normal state
NL (AM,VY) in high state
XT in quiescence
DS

Mag3 = maximum brightness of
novae (N,Na,Nb,Nc,Nr) in outburst
DN (UG,ZC) in outburst
DN (SU) in normal outburst
NL (AM,VY) in low state
NL (DQ,IP) in flaring state
XL (XB,XT) in outburst

Mag4 = brightness of
ZC in standstill
SU in superoutburst
= minimum brightness of
NL (AM,VY) in low state

T1: for DN (UG,ZC), the typical time interval (in days)
between two subsequent outbursts
for DN (SU), the typical time interval (in days)
between two subsequent normal outbursts
for XT, the typical time interval (in days)
between two subsequent X-ray active states

T2: for DN (SU), the typical time interval (in days)
between two subsequent superoutbursts

Lx/Lo: for LMXBs, the ratio of X-ray to optical luminosity

```
Orb.Per.:       orbital period (in days), in case of object type
                  SU:  if followed by *, the orbital period has been
                       estimated from the known superhump period using
                       the empirical relation given by B. Stolz and
                       R. Schoembs (1984, A&A 132, 187).


2.  Per.:       second period, in case of object type
                  DQ or IP:  photometric period (in days), if it is
                             different from the spectroscopic one.
                  AM:        polarization period (in days) = spin
                             period of the white dwarf, if it is
                             different from the presumed orbital
                             period (subtype AS).
                  SU:        superhump period (in days), wherever
                             possible, at the beginning of a
                             superoutburst.
                  SH:        photometric period (in days), superhump
                             period of either permanent or transient
                             superhumps if 2.  Per > Orb.per.
                  NS:        photometric period (in days), period of
                             either permanent or transient negative
                             superhumps if 2.  Per. < Orb.Per.
                  DS:        spin period (in seconds) of the accretor
                             (white dwarf or neutron star).


3.  Per.
4.  Per.:       additional periods in the system (in seconds),
                in case of object type
                  CP:  3.  Per. = period of coherent pulsation,
                               (transient if followed by T).
                       4.  Per. = second period of coherent pulsation,
                               (transient if followed by T).
                  DQ:  3.  Per. = spin period of the white dwarf.
                       4.  Per. = additional period, presumably due to
                               reprocessed X-Rays.
                  IP:  3.  Per. = spin period of the white dwarf,
                               usually detected in X-Rays.
                       4.  Per. = additional period, usually seen in
                               the optical and presumably due to
                               reprocessed X-Rays.
                  XP:  3.  Per. = pulse period of the pulsar.
                       4.  Per. = optical period, presumably due to
                               reprocessed X-Rays.


EB:             indicates the occurrence of eclipses
                if blank   no eclipses observed
                if   1     1 eclipse per orbital revolution observed
```

```
                if   2     2 eclipses per orbital revolution observed
                if   D       periodic eclipse-like dips observed


SB:             type of spectroscopic binary
                if   1     single-line spectroscopic binary
                if   2     double-line spectroscopic binary


Spectr2:        spectral type of the secondary
Spectr1:        spectral type of the primary
                the number to the right of the slash indicates the
                luminosity class , i.e.

                                    I = 1
                                   II = 2
                                  III = 3
                                   IV = 4
                                    V = 5
                                   VI = 6


e:              first row    eccentricity of the orbit
                second row   the corresponding error


M1/M2:          first row    mass ratio  M1/M2
                second row   the corresponding error


Incl:           first row    orbital inclination (in degrees)
                second row   the corresponding error


M1:             first row    mass of the primary (in solar masses)
                second row   the corresponding error


R1:             first row    radius of the primary (in solar radii)
                second row   the corresponding error


M2:             first row    mass of the secondary (in solar masses)
                second row   the corresponding error


R2:             first row    radius of the secondary (in solar radii)
                second row   the corresponding error


Uncertain values are followed by a colon.
```

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| 1743+4742 | 1 | Morales-Rueda, L., Maxted, P.F.L., Marsh, T.R., North, R.C., Heber, U. 2002, MNRAS, in press = astro-ph/0209472 (Orb.Per., Spectr1, M2) |
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| | 2 | Maxted, P.F.L., Marsh, T.R. 1999, MNRAS 307, 122 |
| | 3 | Moran, C., Marsh,T.R., Maxted, P.F.L. 1999,in: 11th European Workshop on White Dwarfs, J.-E. Solheim & E.G. Meistas (eds.), ASP Conf. Ser. Vol. 169, p. 275 (Orb.Per., M1/M2, M1, M2) |
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| J2013+4002 | 1 | Thorstensen, J.R., Vennes, S., Shambrook, A. 1994, AJ 108, 1924 (Spectr1, Spectr2) |
| | 2 | Vennes, S., Thorstensen, J.R., Polomski, E.F. 1999, ApJ 523, 386 (Orb.Per., M1/M2, Incl, M1, R1, M2) |
| 2032+1849 | 1 | Maxted, P.F.L., Marsh, T.R. 1999, MNRAS 307, 122 (Orb.Per., M1) |
| 2040+3954 | 1 | Morales-Rueda, L., Marsh, T.R., North, R.C., Maxted, P.F.L. 2002, astro-ph/0209552v2 (Orb.Per., Spectr1) |
| J2130+4710 | 1 | Motch, C., et al. (6 authors) 1997, A&A 318, 111 (Orb.Per., Spectr2) |
| 2154+4048 | 1 | Downes, R.A. 1986, ApJS 61,569 (Spectr1) |
| | 2 | Hillwig, T.C., Gale, A.A., Honeycutt, R.K., Rengstorf, A.W. 2002, PASP 114, 756 (Orb.Per.) |
| 2209-1444 | 1 | Karl, C., et al. (7 authors) 2003, in: White Dwarfs, D. de Martino, R. Kylafis, R. Silvotti, J.E. Solheim (eds.), Kluwer, in press = astro-ph/0210004 (Orb.Per.) |
| 2331+2902 | 1 | Moran, C., Marsh,T.R., Maxted, P.F.L. 1999,in: 11th European Workshop on White Dwarfs, J.-E. Solheim & E.G. Meistas (eds.), ASP Conf. Ser. Vol. 169, p. 275 (Orb.Per., M1/M2, M1, M2) |

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| | 2 | Moran, C., Maxted, P. Marsh, T.R., Saffer, R., Livio, M. 1999, MNRAS 304, 535 (Orb.Per., Spectr1) |

# References for Finding Charts


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| RX And | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Bennert, N., et al. (20 authors) 1999, IBVS No. 4779 |
| | 4 | Downes et al. (2001) |
| AR And | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (2001) |
| DX And | 1 | Bruch et al. (1987) |
| | 2 | Downes & Shara (1993) |
| | 3 | Misselt (1996) |
| | 4 | Spogli, C., Fiorucci, M., Tosti, G. 1998, A&AS 130, 485 |
| | 5 | Downes et al. (2001) |
| FO And | 1 | Downes & Shara (1993) |
| | 2 | Kato, T. 1995, IBVS No. 4242 |
| | 3 | Misselt (1996) |
| | 4 | Henden & Honeycutt (1997) |
| | 5 | Downes et al. (2001) |
| HV And | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| KV And | 1 | Downes & Shara (1993) |
| | 2 | Kato, T. 1995, IBVS No. 4239 |
| | 3 | Downes et al. (2001) |
| LL And | 1 | Downes et al. (1997) |
| | 2 | Henden & Honeycutt (1997) |
| | 3 | Downes et al. (2001) |
| PX And | 1 | Green et al. (1982) |
| | 2 | Downes & Shara (1993) (Object And 1) |
| | 3 | Henden & Honeycutt (1995) |
| | 4 | Downes et al. (2001) |
| QR And | 1 | Greiner, J., Wenzel, W. 1995, A&A 294, L5 |
| | 2 | Downes et al. (2001) |
| V402 And | 1 | Antipin, S.V. 1998, IBVS No. 4578 (object in outburst) |
| | 2 | Downes et al. (2001) |
| UU Aqr | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| VY Aqr | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| AE Aqr | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |

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| FF Aqr | 1 | Bonner Durchmusterung |
| FO Aqr | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| HL Aqr | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| HU Aqr | 1 | Hakala, P.J., et al. (7 authors) 1993, MNRAS 263, 61 |
| | 2 | Schwope, A.D., Thomas, H.-C., Beuermann, K. 1993, A&A 271, L25 |
| | 3 | Mason et al. (1995) |
| | 4 | Schwartz, R.D., Dawkins, D., Findley, D., Chen, D. 1995, PASP 107, 667 (RE J2107-051) |
| | 5 | Downes et al. (1997) |
| | 6 | Henden & Honeycutt (1997) |
| | 7 | Shara et al. (1997) |
| | 8 | Downes et al. (2001) |
| LZ Aqr | 1 | Tomsick, J.A., Halpern, J.P., Kemp, J., Kaaret, P. 1999, ApJ 521, 341 |
| UU Aql | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (2001) |
| CI Aql | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | http://vsnet.kusastro.kyoto-u.ac.jp/vsnet/Novae/ciaql.html |
| | 4 | Downes et al. (2001) |
| DH Aql | 1 | Vogt & Bateson (1982) |
| | 2 | Downes & Shara (1993) |
| | 3 | Nogami, D., Kato, T. 1995, IBVS No. 4227 |
| | 4 | Downes et al. (2001) |
| DO Aql | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Downes et al. (2001) |
| KX Aql | 1 | Vogt & Bateson (1982) |
| | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| V368 Aql | 1 | Klemola, A.R. 1968, PASP 80, 706 |
| | 2 | Williams (1983) |
| | 3 | Duerbeck (1987) |
| | 4 | Bode et al. (1989) |
| | 5 | Downes et al. (2001) |
| V500 Aql | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Downes et al. (2001) |
| V603 Aql | 1 | Bode et al. (1989) |
| | 2 | Andronov, I.L., Borodina, I.G., Kolesnikov, S.V., Shakhovskoy, N.M., Shvechkova, N.A. 1993, IBVS No. 3932 |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |

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| V725 Aql | 1 | Nogami, D., Masuda, S., Kato, T. 1995, IBVS No. 4218 |
| | 2 | Downes et al. (1997) (target invisible) |
| | 3 | Downes et al. (2001) |
| V794 Aql | 1 | Mukai et al. (1990) |
| | 2 | Downes & Shara (1993) |
| | 3 | Henden & Honeycutt (1995) |
| | 4 | Downes et al. (2001) |
| V1101 Aql | 1 | Vogt & Bateson (1982) |
| | 2 | Downes & Shara (1993) |
| | 3 | Masetti, M., Della Valle, M. 1998, A&A 331, 187 |
| | 4 | Downes et al. (2001) |
| V1141 Aql | 1 | Vogt & Bateson (1982) |
| | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| V1315 Aql | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1997) |
| | 3 | Downes et al. (2001) |
| V1333 Aql | 1 | Chevalier, C., Ilovaisky, S.A., Leisy, P., Patat, F. 1999, A&A 347, L51 (Note that the true optical counterpart is star e which is 0.48 seconds of arc to the west of the previously known star) |
| | 2 | Welsh, W.F., Robinson, E.L., Young, P. 2000, AJ 120, 943 |
| V1405 Aql | 1 | Gottwald et al. (1991) |
| V1408 Aql | 1 | Gottwald et al. (1991) |
| V1425 Aql | 1 | Downes et al. (2001) |
| V1432 Aql | 1 | Halpern, J.P. 1993, Nat 365, 607 |
| | 2 | Staubert, R., et al. (7 authors) 1994, A&A 288, 513 |
| | 3 | Downes et al. (1997) (Object Aql 1) |
| | 4 | Downes et al. (2001) |
| V1487 Aql | 1 | Boer, M., Greiner, J., Motch, C. 1996, A&A 305, 835 |
| | 2 | Fender, R.P., Pooley, G.G., Brocksopp, C., Newell, S.J. 1997, MNRAS 290, L65 |
| V1493 Aql | 1 | Moro, D., Munari, U., Tomov, T., Henden, A. 1999, IBVS No. 4785 (no identification) |
| | 2 | Masi, G. 2000, http://vsnet.kusastro.kyoto-u.ac.jp/vsnet/Novae/naql99.html (in outburst) |
| | 3 | Downes et al. (2001) (object not visible) |
| V1494 Aql | 1 | http://vsnet.kusastro.kyoto-u.ac.jp/vsnet/Novae/v1494aql.html (in outburst) |
| | 2 | Downes et al. (2001) |
| AT Ara | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| BF Ara | 1 | Vogt & Bateson (1982 |
| | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| OY Ara | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Zhao, P., McClintock, J.E. 1997, ApJ 483, 899 |

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| OY Ara | 4 | Downes et al. (2001) |
| V801 Ara | 1 | Jernigan, J.G., Apparao, K.M.V., Bradt, H.V., Doxsey, R.E., McClintock, J.E. 1977, Nat, 270, 321 (Star No. 3) |
| V821 Ara | 1 | Callanan, P.J., Charles, P.A., Honey, W.B., Thorstensen, J.R. 1992, MNRAS 259, 395 |
| | 2 | Shahbaz, T., Fender, R., Charles, P.A. 2001, A&A 376, L1 |
| V877 Ara | 1 | Downes et al. (2001) (in minimum) |
| | 2 | Kato, T., et al. (13 authors) 2002, MNRAS, in press = astro-ph/0210674 (in minimum, and in outburst) |
| TT Ari | 1 | Downes & Shara (1993) |
| | 2 | Maccacaro et al. (1994) |
| | 3 | Henden & Honeycutt (1995) |
| | 4 | Downes et al. (2001) |
| WX Ari | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| XY Ari | 1 | Hoard, D.W., Wachter, S., Clark, L.L., Bowers, T.P. 2001, ApJ 565, 511 (K-band image) |
| T Aur | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| SS Aur | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (2001) |
| FS Aur | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| HV Aur | 1 | Bruch et al. (1987) (Star is not visible) |
| | 2 | Downes & Shara (1993) (Incorrect identification) |
| | 3 | Downes et al. (1997) (Star is not visible) |
| | 4 | Downes et al. (2001) |
| KR Aur | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| QZ Aur | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Downes et al. (2001) |
| V363 Aur | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| V405 Aur | 1 | Haberl, F., et al. (7 authors) 1994, A&A 291, 171 |
| | 2 | Downes et al. (1997) (Object Aur 1) |
| | 3 | Downes et al. (2001) |
| TT Boo | 1 | Downes & Shara (1993) |
| | 2 | Kato, T. 1995, IBVS No. 4243 |
| | 3 | Misselt (1996) |

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| TT Boo | 4 | Downes et al. (2001) |
| UZ Boo | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (2001) |
| CR Boo | 1 | Green et al. (1986) (PG 1346+082) |
| | 2 | Downes et al. (1997) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| RR Cae | 1 | Wegner, G. 1975, MNRAS 171, 637 (Note that the width of the finding chart is approximately 40' and not 4' as is stated in the caption) |
| | 2 | Bruch, A., Diaz, M.P. 1998, AJ 116, 908 |
| RS Cae | 1 | Shara et al. (1993) |
| | 2 | Burwitz, V., et al. (6 authors) 1996, A&A 305, 507 |
| | 3 | Downes et al. (1997) Object Cae 1) |
| | 4 | Shara et al. (1997) |
| | 5 | Downes et al. (2001) |
| Z Cam | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (2001) |
| AF Cam | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Lanning, H.H., Meakes, M. 1998, PASP 110, 586 |
| | 5 | Downes et al. (2001) |
| BY Cam | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| BZ Cam | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| | 4 | Greiner, J., et al. (9 authors) 2001, A&A 376, 1031 |
| FT Cam | 1 | Antipin, S.V. 1999, IBVS No. 4673 |
| | 2 | Lanning, H.H., Meakes, M. 2001, PASP 113, 1393 (Lanning 497) |
| | 3 | Downes et al. (2001) |
| HR Cam | 1 | Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1970, Lowell Obs. Bull. No. 153 (Vol. 7, No. 16, p. 183) |
| | 2 | http://procyon.lpl.arizona.edu/WD/ (WD 0710+741) |
| HS Cam | 1 | Tovmassian, G.H., et al. (8 authors) 1997, A&A 328, 571 |
| | 2 | Downes et al. (2001) |
| HT Cam | 1 | Tovmassian, G.H., et al. (11 authors) 1998, A&A 335, 227 |
| | 2 | Downes et al. (2001) |
| IQ Cam | 1 | Downes, R.A. 1986, ApJS 61, 569 |
| SY Cnc | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| YZ Cnc | 1 | Downes & Shara (1993) |

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| YZ Cnc | 2 | Misselt (1996) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| AC Cnc | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| AK Cnc | 1 | Vogt & Bateson (1982) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (1997) |
| | 4 | Downes et al. (2001) |
| AR Cnc | 1 | Mukai et al. (1990) |
| | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| AT Cnc | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (2001) |
| CC Cnc | 1 | Vogt & Bateson (1982) |
| | 2 | Downes & Shara (1993) |
| | 3 | Misselt (1996) |
| | 4 | Kato, T., Nogami, D. 1997, PASJ 49, 341 |
| | 5 | Downes et al. (2001) |
| EG Cnc | 1 | Mc Naught, R.H. 1986, IBVS No. 2926 |
| | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| EU Cnc | 1 | Gilliland, R.L., et al. (9 authors) 1991, AJ 101, 541 |
| | 2 | Downes et al. (2001) (object not visible) |
| GY Cnc | 1 | Gaensicke, B.T., et al. (8 authors) 2000, A&A 356, L79 |
| | 2 | Downes et al. (2001) |
| GZ Cnc | 1 | Downes et al. (2001) |
| UX CVn | 1 | Gaposchkin, S. 1962, AJ 67, 360 |
| AM CVn | 1 | Williams (1983) |
| | 2 | Downes et al. (1997) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| DE CVn | 1 | Robb, R.M., Greimel, R. 1997, IBVS No. 4486 |
| WY CMa | 1 | Downes et al. (2001) |
| CG CMa | 1 | Duerbeck (1987) (CG CMa is not visible on this finding chart. The object indicated is an unrelated foreground star about 2.5 seconds of arc away from the position of CG CMa) |
| | 2 | Duerbeck, H.W., Schmeer, P., Knapen, J.H., Pollacco, D. 1999, IBVS No. 4759 |
| | 3 | Downes et al. (2001) (object not visible) |
| HL CMa | 1 | Chlebowski, T., Halpern, J.P., Steiner, J.E. 1981, ApJ 247, L35 |
| IN CMa | 1 | Shara et al. (1993) |
| | 2 | Vennes, S., Thorstensen, J.R. 1994, ApJ 433, L29 |
| | 3 | Mason et al. (1995) |

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|---|---|---|
| IN CMa | 4 | Shara et al. (1997) |
| PU CMa | 1 | Downes et al. (2001) |
| SV CMi | 1 | Vogt & Bateson (1982) |
| | 2 | Downes & Shara (1993) |
| | 3 | Misselt (1996) |
| | 4 | Downes et al. (2001) |
| AQ CMi | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| BG CMi | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| RS Car | 1 | Bianchini, A., Alford, B., Canterna, R., Della Valle, M. 2001, MNRAS 321, 625 |
| | 2 | Downes et al. (2001) |
| OY Car | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| QU Car | 1 | Kern, J.R., Bookmyer, B.B. 1986, PASP 98, 1336 |
| | 2 | Downes et al. (1997) |
| | 3 | Downes et al. (2001) |
| V395 Car | 1 | Li, F.K., et al. (6 authors) 1978, Nat 276, 799 (Star No. 5) |
| V436 Car | 1 | Motch, C., et al. 1996, A&A 307, 459 |
| | 2 | Downes et al. (1997) (Object Car 1) |
| | 3 | Downes et al. (2001) |
| AM Cas | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (2001) |
| GX Cas | 1 | Downes & Shara (1993) |
| | 2 | Nogami, D., Kato, T., Masuda, S. 1998, PASJ 50, 411 |
| | 3 | Downes et al. (2001) |
| HT Cas | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| V425 Cas | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| V592 Cas | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Huber, M.E., Howell, S.B., Ciardi, D.R., Fried, R. 1998, PASP 110, 784 |
| | 4 | Downes et al. (2001) |
| V630 Cas | 1 | Duerbeck (1987) |
| | 2 | Downes & Shara (1993) |
| | 3 | Henden & Honeycutt (1995) |
| | 4 | Misselt (1996) |
| | 5 | Downes et al. (2001) |
| V664 Cas | 1 | Acker et al. (1992) (PN G136.3+05.5) |

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| V664 Cas | 2 | Downes & Shara (1993) (Object Cas 1) |
| | 3 | Lanning, H.H., Meakes, M. 1995, PASP 107, 751 (Lanning 149) |
| | 4 | Downes et al. (2001) |
| V705 Cas | 1 | Munari, U., Tomov, T.V., Hric, L., Hazucha, P. 1994, IBVS No. 3977 |
| | 2 | Downes et al. (2001) |
| | 3 | Evans, A., Yudin, R.V., Naylor, T., Ringwald, F.A., Koch Miramond, L. 2002, A&A 384, 504 |
| V709 Cas | 1 | Motch, C., et al. (6 authors) 1996, A&A 307, 459 |
| | 2 | Downes et al. (1997) Object Cas 2) |
| | 3 | Downes et al. (2001) |
| V723 Cas | 1 | Downes et al. (2001) |
| V731 Cas | 1 | Mochejska, B.J., Kaluzny, J. 1999, AA 49, 351 |
| | 2 | Downes et al. (2001) |
| WX Cen | 1 | Lynga, G. 1968, ApJ 154, L33 |
| | 2 | Downes et al. (1997) |
| | 3 | Downes et al. (2001) |
| BV Cen | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| MU Cen | 1 | Vogt & Bateson (1982) |
| | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| V359 Cen | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (1997) |
| | 3 | Downes et al. (2001) |
| V436 Cen | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| V442 Cen | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| V485 Cen | 1 | Vogt & Bateson (1982) |
| | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| V803 Cen | 1 | Elvius, A. 1975, A&A 44, 117 |
| | 2 | Downes et al. (1997) |
| | 3 | Downes et al. (2001) |
| V822 Cen | 1 | Duerbeck (1987) |
| V834 Cen | 1 | Downes & Shara (1993) |
| | 2 | Shara et al. (1997) |
| | 3 | Downes et al. (2001) |
| V895 Cen | 1 | Craig, N., Howell, S.B., Sirk, M.M., Malina, R.F. 1996, ApJ 457, L91 |
| | 2 | Downes et al. (1997) (Object Cen 2) |
| | 3 | Downes et al. (2001) |
| V1025 Cen | 1 | Buckley, D.A.H., Cropper, M., Ramsay, G., Wickramasinghe, D.T. 1998, MNRAS 299, 83 |
| | 2 | Downes et al. (2001) |

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| V1033 Cen | 1 | Motch, C., et al. (6 authors) 1996, A&A 307, 459 |
| | 2 | Downes et al. (2001) |
| WW Cet | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| WX Cet | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| | 3 | Rogoziecki, P. Schwarzenberg-Czerny, A. 2001, MNRAS 323, 850 |
| BO Cet | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| CC Cet | 1 | Green et al. (1982) |
| EQ Cet | 1 | Schwope, A.D., Schwarz, R., Greiner, J. 1999, A&A 348, 861 (object A) |
| | 2 | Downes et al. (2001) |
| Z Cha | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| RR Cha | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Downes et al. (2001) |
| RX Cha | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| BW Cir | 1 | Kitamoto, S., Tsunemi, H., Pedersen, H., Ilovaisky, S.A., van der Klis, M. 1990, ApJ 361, 590 (orientation: north at the top, east to the right!) |
| BY Cir | 1 | Downes, R.A., Duerbeck, H.W. 2000, AJ 120, 2007 |
| | 2 | Downes et al. (2001) |
| | 3 | Evans, A., Yudin, R.V., Naylor, T., Ringwald, F.A., Koch-Miramond, L. 2002, A&A 384, 504 |
| BZ Cir | 1 | Hertz, P., et al. (6 authors) 1990, ApJ 364, 251 |
| | 2 | Downes & Shara (1993) (Object Cir 1) |
| | 3 | Downes et al. (2001) |
| DD Cir | 1 | Downes et al. (2001) (target not visible) |
| TV Col | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| TX Col | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| UU Col | 1 | Burwitz, V., Reinsch, K., Beuermann, K., Thomas, H.-C. 1996, A&A 310, L25 |
| | 2 | Downes et al. (1997) (Object Col 1) |
| | 3 | Downes et al. (2001) |
| AL Com | 1 | Howell, S.B., et al. (8 authors) 1996, AJ 111, 2367 (Use this finding chart!) |
| | 2 | Misselt (1996) (Incorrect identification) |
| | 3 | Downes et al. (1997) (Star is barely visible) |
| | 4 | Spogli, C., Fiorucci, M., Tosti, G. 1998, A&AS 130, 485 |
| | 5 | Downes et al. (2001) |

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|---|---|---|
| AL Com | 6 | Hoard, D.W., Wachter, S., Clark, L.L., Bowers, T.P. 2002, ApJ 565, 511 (J-band image) |
| GO Com | 1 | Vogt & Bateson (1982) |
| | 2 | Mukai et al. (1990) |
| | 3 | Downes & Shara (1993) |
| | 4 | Misselt (1996) |
| | 5 | Downes et al. (2001) |
| GP Com | 1 | Williams (1983) |
| | 2 | Downes et al. (1997) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| IR Com | 1 | Downes et al. (1997) (Object Com 1) |
| | 2 | Richter, G.A., et al. (6 authors) 1997, A&A 325, 994 |
| | 3 | Downes et al. (2001) |
| LM Com | 1 | Sanduleak, N., Pesch, P. 1984, ApJS 55, 517 (CBS 60) |
| V394 CrA | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Downes et al. (2001) |
| V691 CrA | 1 | Griffiths, R.E., et al. (8 authors) 1978, Nat 276, 247 (Star S) |
| UW CrB | 1 | Maccacaro et al. (1994) |
| | 2 | Hakala, P.J., et al. (6 authors) 1998, A&A 333, 540 |
| VW CrB | 1 | Antipin, S.V. 1996, IBVS No. 4343 (Var 21 CrB) |
| | 2 | Downes et al. (1997) (Object CrB 1) |
| | 3 | Downes et al. (2001) |
| TV Crv | 1 | Levy, D.H., Howell, S.B., Kreidl, T.J., Skiff, B.A., Tombaugh, C.W. 1990, PASP 102, 1321 |
| | 2 | Downes & Shara (1993) (Object Crv 1) |
| | 3 | Downes et al. (2001) |
| TW Crv | 1 | |
| TT Crt | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (2001) |
| TU Crt | 1 | Maza, J., Gonzalez, L.E., Wischnjewsky, M., Barrientos, F. 1992, PASP 104, 1060 |
| | 2 | Downes et al. (1997) |
| | 3 | Downes et al. (2001) |
| AP Cru | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Downes et al. (2001) |
| CP Cru | 1 | Downes, R.A., Duerbeck, H.W. 2000, AJ 120, 2007 |
| | 2 | Downes et al. (2001) |
| SS Cyg | 1 | Downes & Shara (1993) |
| | 2 | Shara et al. (1993) |
| | 3 | Misselt (1996) |
| | 4 | Henden & Honeycutt (1997) |
| | 5 | Downes et al. (2001) |
| EM Cyg | 1 | Downes & Shara (1993) |

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| EM Cyg | 2 | Misselt (1996) |
| | 3 | Downes et al. (2001) |
| EY Cyg | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (2001) |
| | 4 | Hoard, D.W., Wachter, S., Clark, L.L., Bowers, T.P. 2002, ApJ 565, 511 (K-band image) |
| V404 Cyg | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Udalski, A., Kaluzny, J. 1991, PASP 103, 198 |
| V503 Cyg | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| | 5 | Hoard, D.W., Wachter, S., Clark, L.L., Bowers, T.P. 2002, ApJ 565, 511 (K-band image) |
| V550 Cyg | 1 | Downes & Shara (1993) (target not clearly identified, bu see remark by Skiff, B. 1999, IBVS No. 4675) |
| | 2 | Downes et al. (2001) |
| V630 Cyg | 1 | Bruch et al. (1987) |
| | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| V751 Cyg | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Greiner, J., et al. (7 authors) 1999, A&A 343, 183 |
| | 4 | Downes et al. (2001) |
| V1028 Cyg | 1 | Bruch et al. (1987) |
| | 2 | Downes & Shara (1993) |
| | 3 | Baba, H., et al. (6 authors) 2000, PASJ 52, 429 |
| | 4 | Downes et al. (2001) |
| V1113 Cyg | 1 | Bruch et al. (1987) |
| | 2 | Downes & Shara (1993) |
| | 3 | Kato, T., Nogami, D., Masuda, S., Hirata, R. 1996, PASJ 48, 45 |
| | 4 | Downes et al. (2001) |
| V1251 Cyg | 1 | Downes & Shara (1993) (Incorrect identification) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (1997) (Star is not visible) |
| | 4 | Downes et al. (2001) |
| V1341 Cyg | 1 | Gottwald et al. (1991) |
| | 2 | Henden & Honeycutt (1997) |
| V1500 Cyg | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | de Young, J.A. 1993, IBVS No. 3963 |
| | 4 | Downes et al. (2001) |
| V1504 Cyg | 1 | Downes & Shara (1993) |
| | 2 | Nogami, D., Masuda, S. 1997, IBVS No. 4532 |
| | 3 | Downes et al. (2001) |
| V1513 Cyg | 1 | Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1968, Lowell Obs. Bull. No. 144 (Vol. 7, No.7, p.67) |

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| V1668 Cyg | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Downes et al. (2001) |
| V1727 Cyg | 1 | Gottwald et al. (1991) |
| V1776 Cyg | 1 | Shafter, A.W., Lanning, H.H., Ulrich, R.K. 1983, PASP 95, 206 |
| | 2 | Garnavich, P.M., et al. (9 authors) 1990, ApJ 365, 696 |
| | 3 | Downes & Shara (1993) |
| | 4 | Lanning, H.H., Meakes, M. 1994, PASP 106, 38 (Lanning 90) |
| | 5 | Henden & Honeycutt (1995) |
| | 6 | Downes et al. (2001) |
| V1974 Cyg | 1 | Semeniuk, I., Pych, W., Olech, A., Ruszkowski, M. 1994, AA 44, 277 |
| | 2 | Shara et al. (1997) |
| | 3 | Downes et al. (2001) |
| V2069 Cyg | 1 | Motch, C., et al. (6 authors) 1996, A&A 307, 459 |
| | 2 | Downes et al. (1997) |
| | 3 | Downes et al. (2001) |
| V2176 Cyg | 1 | Kwast, T., Semeniuk., I. 1998, IBVS No. 4654 |
| | 2 | Downes et al. (2001) |
| V2214 Cyg | 1 | Downes, R.A. 1986, ApJS 61, 569 |
| V2274 Cyg | 1 | Buczynski, D., Masi, G. 2001, http://vsnet.kusastro.kyoto-u.ac.jp/vsnet/Novae/v2274cyg.html |
| | 2 | Downes et al. (2001) (object in minimum, not visible) |
| CM Del | 1 | Andronov, I.L., Borodina, I.G., Kolesnikov, S.V., Shakhovskoy, N.M., Shvechkova, N.A. 1993, IBVS No. 3932 |
| | 2 | Downes & Shara (1993) |
| | 3 | Misselt (1996) |
| | 4 | Downes et al. (2001) |
| EZ Del | 1 | Downes et al. (2001) |
| HO Del | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| HR Del | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| AA Dor | 1 | Luyten, W.J., Anderson, J.H. 1959, A Search for Faint Blue Stars. XVIII, University of Minnesota, Minneapolis |
| AB Dra | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (2001) |
| CG Dra | 1 | Bruch et al. (1987) |
| | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| CP Dra | 1 | Downes et al. (2001) |
| CQ Dra bc | 1 | Bonner Durchmusterung |

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| DM Dra | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| | 3 | Vanmunster, T. 2001, http://www.cbabelgium.com/ |
| DO Dra | 1 | Mukai et al. (1990) |
| | 2 | Patterson, J., et al. (6 authors) 1992, ApJ 392, 233 |
| | 3 | Downes & Shara (1993) |
| | 4 | Maccacaro et al. (1994) |
| | 5 | Henden & Honeycutt (1995) |
| | 6 | Misselt (1996) |
| | 7 | Downes et al. (2001) |
| EP Dra | 1 | Remillard, R.A., Stroozas, B.A., Tapia, S., Silber, A. 1991, ApJ 379, 715 |
| | 2 | Downes & Shara (1993) (Object Dra 4) |
| | 3 | Downes et al. (2001) |
| ES Dra | 1 | Downes & Shara (1993) (Object Dra 3) |
| | 2 | Downes et al. (2001) |
| EX Dra | 1 | Maccacaro et al. (1994) |
| | 2 | Downes et al. (1997) (Object Dra 5) |
| | 3 | Fiedler, H., Barwig, H., Mantel, K.H. 1997, A&A 327, 173 |
| | 4 | Downes et al. (2001) |
| IX Dra | 1 | Klose, S. 1995, ApJ 446, 357 |
| | 2 | Downes et al. (1997) (Object Dra 6) |
| | 3 | Downes et al. (2001) |
| KL Dra | 1 | Downes et al. (2001) (object near minimum, in front of an anonymous galaxy) |
| | 2 | Wood, M.A., Casey, M.J., Garnavich, P.M., Haag, B. 2002, MNRAS 334, 87 |
| KV Dra | 1 | Nogami, D., et al. (6 authors) 2000, A&A 364, 701 |
| | 2 | Downes et al. (2001) |
| XZ Eri | 1 | Vogt & Bateson (1982) |
| | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| AH Eri | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1997) |
| | 3 | Downes et al. (2001) |
| AQ Eri | 1 | Kato, T. 1991, IBVS No. 3671 |
| | 2 | Downes & Shara (1993) |
| | 3 | Misselt (1996) |
| | 4 | Henden & Honeycutt (1997) |
| | 5 | Downes et al. (2001) |
| CP Eri | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| EF Eri | 1 | Downes & Shara (1993) |
| | 2 | Shara et al. (1993) |
| | 3 | Shara et al. (1997) |
| | 4 | Downes et al. (2001) |
| HY Eri | 1 | Downes et al. (2001) |
| UZ For | 1 | Downes & Shara (1993) |
| | 2 | Shara et al. (1997) |

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| UZ For | 3 | Downes et al. (2001) |
| VY For | 1 | Downes & Shara (1993) (Object For 1) |
| | 2 | Downes et al. (2001) |
| U Gem | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (2001) |
| UV Gem | 1 | Vogt & Bateson (1982) |
| | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| AW Gem | 1 | Downes & Shara (1993) |
| | 2 | Kato, T. 1996, PASJ 48, 777 |
| | 3 | Downes et al. (2001) |
| DM Gem | 1 | Humason, M.L. 1938, ApJ 88, 228 |
| | 2 | Duerbeck (1987) (idenification of the target at variance with Humason (1938) and Bode et al. (1989)) |
| | 3 | Bode et al. (1989) |
| | 4 | Downes et al. (2001) |
| DN Gem | 1 | Williams (1983) |
| | 2 | Duerbeck (1987) |
| | 3 | Bode et al. (1989) |
| | 4 | Henden & Honeycutt (1997) |
| | 5 | Downes et al. (2001) |
| IR Gem | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| PQ Gem | 1 | Andronov, I.L. 1993, IBVS No. 3828 |
| | 2 | Mason, K.O., et al. (10 authors) 1992, MNRAS 258, 749 |
| | 3 | Shara et al. (1993) |
| | 4 | Hilditch, R.W., Bell, S.A. 1994, MNRAS 266, 703 |
| | 5 | Mason et al. (1995) |
| | 6 | Downes et al. (1997) |
| | 7 | Henden & Honeycutt (1997) |
| | 8 | Shara et al. (1997) |
| | 9 | Downes et al. (2001) |
| | 10 | Hoard, D.W., Wachter, S., Clark, L.L., Bowers, T.P. 2002, ApJ 565,511 (K-band image) |
| RZ Gru | 1 | Kelly, B.D., Kilkenny, D., Cooke, J.A. 1981, MNRAS 196, 91P |
| | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| CE Gru | 1 | Hawkins, M.R.S. 1981, Nat 293, 116 (Variable V1) |
| | 2 | Downes & Shara (1993) (Object Gru 2) |
| | 3 | Downes et al. (2001) |
| CF Gru | 1 | Hawkins, M.R.S., Veron, P. 1987, A&A 182, 271 |
| | 2 | Downes & Shara (1993) (Object Gru 3) |
| | 3 | Downes et al. (2001) |
| CI Gru | 1 | Hawkins, M.R.S. 1981, Nat 293, 116 |
| | 2 | Downes & Shara (1993) (Object Gru 1) |
| | 3 | Downes et al. (2001) |
| AH Her | 1 | Downes & Shara (1993) |

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| AH Her | 2 | Misselt (1996) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| AM Her | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Shara et al. (1997) |
| | 4 | Downes et al. (2001) |
| DQ Her | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| V446 Her | 1 | Cragg, T.A. 1960, PASP 72, 475 |
| | 2 | Lowne, C.M. 1960, The Observatory 80, 222 |
| | 3 | Duerbeck (1987) |
| | 4 | Bode et al. (1989) |
| | 5 | Henden & Honeycutt (1997) |
| | 6 | Honeycutt, R.K., Robertson, J.W., Turner, G.W., Henden, A.A. 1998, ApJ 495, 933 (object is a close triple!) |
| | 7 | Downes et al. (2001) |
| | 8 | Hoard, D.W., Wachter, S., Clark, L.L., Bowers, T.P. 2002, ApJ 565, 511 (K-band image) |
| V478 Her | 1 | Downes et al. (1997) |
| | 2 | Downes et al. (2001) |
| V533 Her | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| V544 Her | 1 | Vogt & Bateson (1982) |
| | 2 | Downes & Shara (1993) |
| | 3 | Spogli, C., Fiorucci, M., Tosti, G. 1998, A&AS 130, 485 |
| | 4 | Downes et al. (2001) |
| V589 Her | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| V592 Her | 1 | van Teeseling, A., Hessman, F.V., Romani, R.W. 1999, A&A 342, L45 |
| | 2 | Downes et al. (2001) |
| V660 Her | 1 | Spogli, C., Fiorucci, M., Tosti, G. 1998, A&AS 130, 485 |
| | 2 | Downes et al. (2001) |
| V795 Her | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| V825 Her | 1 | Green et al. (1982) |
| | 2 | Downes & Shara (1993) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| V838 Her | 1 | Harrison, T.E., Stringfellow, G.S. 1994, ApJ 437, 827 (Star in outburst) |
| | 2 | Szkody, P., Ingram, D. 1994, ApJ 420, 830 (Star near minimum) |
| | 3 | Downes et al. (2001) (Star near minimum) |

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| V844 Her | 1 | Antipin, S.V. 1996, IBVS No. 4360 (Var 43 Her) |
| | 2 | Downes et al. (2001) |
| V849 Her | 1 | Green et al. (1986) |
| | 2 | Shara et al. (1993) (Object Her 2) |
| | 3 | Downes et al. (2001) |
| V884 Her | 1 | Szkody, P., et al. (8 authors) 1995, ApJ 455, L43 |
| | 2 | Downes et al. (1997) (Object Her 5) |
| | 3 | Greiner, J., Remillard, R.A., Motch, C. 1998, A&A 336, 191 |
| | 4 | Downes et al. (2001) |
| V1007 Her | 1 | Greiner, J., Schwarz, R., Wenzel, W. 1998, MNRAS 296, 437 |
| | 2 | Downes et al. (2001) |
| WW Hor | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| CT Hya | 1 | Vogt & Bateson (1982 |
| | 2 | Downes & Shara (1993) |
| | 3 | Nogami, D., Kato, T., Hirata, R. 1996, PASJ 48, 607 |
| | 4 | Downes et al. (2001) |
| EX Hya | 1 | Downes & Shara (1993) |
| | 2 | Shara et al. (1993) |
| | 3 | Sterken, C., Vogt, N. 1999, J. Astron. Data 1-5, 13 |
| | 4 | Downes et al. (2001) |
| LY Hya | 1 | Echevarria, J., Pocock, A.S., Penston, M.V., Blades, J.C. 1983, MNRAS 205, 559 |
| | 2 | Downes & Shara (1993) (Object Hya 2) |
| | 3 | Downes et al. (2001) |
| MM Hya | 1 | Green et al. (1982) |
| | 2 | Downes & Shara (1993) (Object Hya 1) |
| | 3 | Downes et al. (2001) |
| MN Hya | 1 | Sekiguchi, K., Nakada, Y., Bassett, B. 1994, MNRAS 266, L51 |
| | 2 | Downes et al. (1997) (Object Hya 4) |
| | 3 | Downes et al. (2001) |
| VW Hyi | 1 | Downes & Shara (1993) |
| | 2 | Shara et al. (1993) |
| | 3 | Shara et al. (1997) |
| | 4 | Downes et al. (2001) |
| WX Hyi | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| BL Hyi | 1 | Downes & Shara (1993) |
| | 2 | Shara et al. (1993) |
| | 3 | Downes et al. (2001) |
| CV Hyi | 1 | Burwitz, V., Reinsch, K., Beuermann, K., Thomas, H.-C. 1997, A&A 327, 183 |
| | 2 | Downes et al. (2001) |
| CD Ind | 1 | Vennes, S., Wickramasinghe, D.T., Thorstensen, J.R., Christian, D.J., Bessell, M.S. 1996, AJ 112, 2254 |
| | 2 | Downes et al. (1997) (Object Ind 1) |
| | 3 | Downes et al. (2001) |

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| DI Lac | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| T Leo | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| U Leo | 1 | Henden & Honeycutt (1995) |
| | 2 | Downes et al. (2001) |
| X Leo | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (2001) |
| RZ Leo | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Mennickent, R.E., Sterken, C., Gieren, W., Unda, E. 1999, A&A 352, 239 |
| | 4 | Downes et al. (2001) |
| DO Leo | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| DP Leo | 1 | Downes & Shara (1993) |
| | 2 | Maccacaro et al. (1994) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| GG Leo | 1 | Burwitz, V., et al. (10 authors) 1998, A&A 331, 262 |
| | 2 | Downes et al. (2001) |
| RU LMi | 1 | Pesch, P., Sanduleak, N. 1986, ApJS 60, 543 |
| | 2 | Bruch et al. (1987) |
| | 3 | Mukai et al. (1990) |
| | 4 | Downes & Shara (1993) |
| | 5 | Downes et al. (2001) |
| RZ LMi | 1 | Green et al. (1982) |
| | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| ST LMi | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| SX LMi | 1 | Sanduleak, N., Pesch, P. 1984, ApJS 55, 517 |
| | 2 | Downes & Shara (1993) |
| | 3 | Henden & Honeycutt (1995) |
| | 4 | Wagner, R.M., et al. (9 authors) 1998, AJ 115, 787 (SX LMi has a V=19 companion 1.95 arcseconds away) |
| | 5 | Downes et al. (2001) |
| WX LMi | 1 | Downes et al. (2001) |
| | 2 | Schwarz, R., Schwope, A.D., Staude, A. 2001, A&A 374, 18 |
| | 3 | Hoard, D.W., Wachter, S., Clark, L.L., Bowers, T.P. 2002, ApJ 565, 511 (K-band image) |
| GW Lib | 1 | Duerbeck (1987) |
| | 2 | Downes et al. (2001) |

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| HP Lib | 1 | Downes et al. (1997) (Object Lib 5) |
| | 2 | Downes et al. (2001) |
| BR Lup | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| IL Lup | 1 | Pedersen, H. 1983, ESO Messenger 34, 21 |
| | 2 | Chevalier, C. 1989, in: Two Topics in X-Ray Astronomy, Proc. 23rd ESLAB Symp., J. Hunt and B. Battrick (eds.), ESA SP-296, p. 341 |
| BH Lyn | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| BK Lyn | 1 | Downes & Shara (1993) (Object Cnc 1) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| BP Lyn | 1 | Downes & Shara (1993) (Object Lyn 1) |
| | 2 | Henden & Honeycutt (1997) |
| | 3 | Downes et al. (2001) |
| DN Lyn | 1 | |
| AY Lyr | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (2001) |
| CY Lyr | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| DM Lyr | 1 | Downes & Shara (1993) (identification uncertain) |
| | 2 | Downes et al. (2001) |
| LL Lyr | 1 | Bruch et al. (1987) |
| | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| MV Lyr | 1 | Rosino, L., Romano, G., Marziani, P. 1993, PASP 105, 51 |
| | 2 | Downes & Shara (1993) |
| | 3 | Henden & Honeycutt (1995) |
| | 4 | Downes et al. (2001) |
| V344 Lyr | 1 | Bruch et al. (1987) |
| | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| V419 Lyr | 1 | Downes & Shara (1993) |
| | 2 | Nogami, D., Kato, T., Masuda, S. 1998, PASJ 50, 411 |
| | 3 | Downes et al. (2001) |
| V477 Lyr | 1 | Bond, H.E., Livio, M. 1990, ApJ 355, 568 |
| | 2 | Acker et al. (1992) (PN G055.4+16.0) |
| | 3 | Pollaco, D.L., Bell, S.A. 1994, MNRAS 267, 452 |
| | 4 | Pollaco, D.L., Bell, S.A. 1997, MNRAS 284, 32 |
| TU Men | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| AH Men | 1 | Downes & Shara (1993) (Object Men 1) |
| | 2 | Buckley, D.A.H., Remillard, R.A., Tuohy, I.R., Warner, B., Sullivan, D.J. 1993, MNRAS 265, 926 |
| | 3 | Downes et al. (2001) (Object is the southeast component of the blended double shown) |

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| BT Mon | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| CW Mon | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (2001) |
| V616 Mon | 1 | Gottwald et al. (1991) |
| V651 Mon | 1 | Bond, H.E., Livio, M. 1990, ApJ 355, 568 |
| | 2 | Acker et al. (1992) (PN G215.6+03.6) |
| | 3 | Kohoutek, L. 1995, A&AS 113, 107 |
| GQ Mus | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Downes et al. (2001) |
| GR Mus | 1 | Griffiths, R.E., et al. (8 authors) 1978, Nat 276, 247 (Star No. 30) |
| GU Mus | 1 | Della Valle, M., Jarvis, B.J., West, R.M. 1991, Nat 353, 50 |
| | 2 | Della Valle, M., Jarvis, B.J., West, R.M. 1991, A&A 247, L33 |
| | 3 | Bailyn, C.D. 1992, ApJ 391, 298 |
| | 4 | Gelino, D.M., Harrison, T.E., McNamara, B.J. 2001, AJ 122, 971 |
| | 5 | Hynes, R.I., et al. (6 authors) 2002, MNRAS, in press = astro-ph/0211578 |
| LZ Mus | 1 | Downes et al. (2001) (no candidate) |
| AB Nor | 1 | Vogt & Bateson (1982) |
| | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| QX Nor | 1 | Grindlay, J.E., Liller, W. 1978, ApJ 220, L127 |
| | 2 | Wachter, S. 1997, ApJ 485, 839 |
| | 3 | Wachter, S., Hoard, D.W., Bailyn, C.D., Corbel, S., Kaaret, P. 2002, ApJ 568, 901 (in minimum) |
| V381 Nor | 1 | Jain, R.K., Bailyn, C.D., Orosz, J.A., Remillard, R.A., McClintock, J.E. 1999, ApJ 517, L131 (in outburst) |
| | 2 | Sanchez-Fernandez, C., et al. (14 authors) 1999, A&A 348, L9 (target too faint, orientation: east to the right, north up) |
| | 3 | Jain, R.K., et al. (6 authors) 2001, ApJ 546, 1086 (target near minimum) |
| AO Oct | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| BE Oct | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| V380 Oph | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| V426 Oph | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |

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| V426 Oph | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| V442 Oph | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| V841 Oph | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| V849 Oph | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Downes et al. (2001) |
| V2051 Oph | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| V2107 Oph | 1 | Griffiths, R.E., et al. (11 authors) 1978, ApJ 221, L63 |
| | 2 | Duerbeck (1987) |
| | 3 | Martin, A.C., Casares, J., Charles, P.A., van der Hooft, F., van Paradijs, J. 1995, MNRAS 274, L46 |
| | 4 | Remillard, R.A., Orosz, J.A., McClintock, J.E., Bailyn, C.D. 1996, ApJ 459, 226 |
| V2134 Oph | 1 | Wachter, S., Smale, A.P., Bailyn, C. 2000, ApJ 534, 367 |
| | 2 | Wijnands, R., et al. (6 authors) 2002, ApJ, subm. = astro-ph/0207094 |
| V2214 Oph | 1 | Baptista, R., Jablonski, F.J., Cieslinski, D., Steiner, J.E. 1993, ApJ 406, L67 |
| | 2 | Downes et al. (2001) |
| V2216 Oph | 1 | Gottwald et al. (1991) |
| | 2 | Deutsch, E.W., Margon, B., Bland-Hawthorn, J. 1998, PASP 110, 912 |
| V2293 Oph | 1 | Della Valle, M., Mirabel, L.F., Rodriguez, L.F. 1994, A& 290, 803 |
| | 2 | Masetti, N., Bianchini, A., Bonibaker, J., Della Valle, M., Vio, R. 1996, A&A 314, 123 |
| V2301 Oph | 1 | Downes & Shara (1993) (Object Oph 1) |
| | 2 | Barwig, H., Ritter, H., Baernbantner, O. 1994, A&A 288, 204 |
| | 3 | Silber, A., Remillard, R.A., Horne, K., Bradt, H.V. 1994, ApJ 424, 955 |
| | 4 | Downes et al. (2001) |
| V2400 Oph | 1 | Buckley, D.A.H., et al. (8 authors) 1995, MNRAS 275, 1028 |
| | 2 | Downes et al. (1997) (Object Oph 3) |
| | 3 | Downes et al. (2001) |
| CN Ori | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (2001) |
| CZ Ori | 1 | Vogt & Bateson (1982) |
| | 2 | Williams (1983) |
| | 3 | Downes & Shara (1993) |
| | 4 | Misselt (1996) |
| | 5 | Downes et al. (2001) |

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| V1055 Ori | 1 | Gottwald et al. (1991) |
| V1159 Ori | 1 | Natsvilshvili, R.Sh. 1984, IBVS No. 2565 |
| | 2 | Jablonski, F.J., Cieslinski, D. 1992, A&A 259, 198 |
| | 3 | Downes et al. (1997) |
| | 4 | Henden & Honeycutt (1997) |
| | 5 | Thorstensen, J.R., Taylor, C.J., Becker, C.M., Remillard, R.A. PASP 109, 477 |
| | 6 | Downes et al. (2001) |
| V1193 Ori | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| V1309 Ori | 1 | Walter, F.M., Wolk, S.J., Adams, N.R. 1995, ApJ 440, 834 |
| | 2 | Downes et al. (1997) (Object Ori 1) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| BD Pav | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| GS Pav | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| V345 Pav | 1 | Buckley, D.A.H., O'Donoghue, D., Kilkenny, D., Stobie, R.S., Remillard, R.A. 1992, MNRAS 258, 285 |
| | 2 | Downes et al. (1997) |
| | 3 | Downes et al. (2001) |
| V347 Pav | 1 | O'Donoghue, D., Mason, K.O., Chen, A., Hassall, B.J.M., Watson, M.G. 1993, MNRAS 265, 545 |
| | 2 | Shara et al. (1993) |
| | 3 | Mason et al. (1995) |
| | 4 | Downes et al. (1997) (Object Pav 2) |
| | 5 | Shara et al. (1997) |
| | 6 | Downes et al. (2001) |
| V349 Pav | 1 | Wickramasinghe, D.T., et al. (7 authors) 1993, MNRAS 265, L29 |
| | 2 | Drissen, L., Shara, M.M., Dopita, M., Wickramasinghe, D.T. 1994, AJ 107, 2172 |
| | 3 | Downes et al. (1997) (Object Pav 1) |
| | 4 | Downes et al. (2001) |
| V393 Pav | 1 | Thomas, H.-C., Beuermann, K., Schwope, A.D., Burwitz, V. 1996, A&A 313, 833 |
| | 2 | Downes et al. (1997) (Object Pav 4) |
| | 3 | Downes et al. (2001) |
| RU Peg | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (2001) |
| EF Peg | 1 | Downes & Shara (1993) |
| | 2 | Howell, S.B., et al. (6 authors) 1993, PASP 105, 579 |
| | 3 | Downes et al. (2001) (object is 5 arcs away at 305 degrees from GSC 1117.2025) |
| HX Peg | 1 | Green, R.F., Greenstein, J.L., Boksenberg, A. 1976, PASP 88, 598 |
| | 2 | Downes & Shara (1993) |
| | 3 | Henden & Honeycutt (1995) |

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| HX Peg | 4 | Downes et al. (2001) |
| IK Peg | 1 | Shara et al. (1993) |
| | 2 | Shara et al. (1997) |
| IP Peg | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| IR Peg | 1 | Green et al. (1986) |
| LQ Peg | 1 | Downes & Shara (1993) (Object Peg 6) |
| | 2 | Henden & Honeycutt (1997) |
| | 3 | Downes et al. (2001) |
| LS Peg | 1 | Downes & Shara (1993) (Object Peg 2) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| MS Peg | 1 | Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1965, Lowell Obs. Bull. No. 125 (Vol. 6, No. 6, p. 155) |
| V369 Peg | 1 | Kondo, M., Noguchi, T., Maehara, H. 1984, Ann. Tokyo Astron. Obs. 20, 130 |
| | 2 | Antipin, S.V. 1998, IBVS No. 4578 |
| | 3 | Downes et al. (2001) |
| V Per | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Downes et al. (2001) |
| TZ Per | 1 | Bruch et al. (1987), erratum in A&AS 74, 351 (1988) |
| | 2 | Downes & Shara (1993) |
| | 3 | Misselt (1996) |
| | 4 | Downes et al. (2001) |
| UV Per | 1 | Kato, T. 1990, IBVS No. 3522 |
| | 2 | Downes & Shara (1993) |
| | 3 | Misselt (1996) |
| | 4 | Henden & Honeycutt (1997) |
| | 5 | Thorstensen, J.R., Taylor, C.J. 1997, PASP 109, 1359 |
| | 6 | Downes et al. (2001) |
| FY Per | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| GK Per | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| KT Per | 1 | Williams (1983) |
| | 2 | Bruch et al. (1987) |
| | 3 | Downes & Shara (1993) |
| | 4 | Misselt (1996) |
| | 5 | Henden & Honeycutt (1997) |
| | 6 | Downes et al. (2001) |
| PU Per | 1 | Bruch et al. (1987) (Star is not visible) |
| | 2 | Downes & Shara (1993) (Incorrect identification) |
| | 3 | Kato, T., Nogami, D. 1995, IBVS No. 4620 |
| | 4 | Downes et al. (1997) (Star is not visible) |

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| PU Per | 5 | Downes et al. (2001) |
| PV Per | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| PY Per | 1 | Downes & Shara (1993) (PY Per is misidentified in this finding chart. PY Per is the southeast object of the pair; see Taylor, C.J., Thorstensen, J.R. 1996, PASP 108, 894) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (1997) (Star is not visible) |
| | 4 | Downes et al. (2001) |
| QY Per | 1 | Downes & Shara (1993) (QY Per is misidentified in this finding chart. QY Per is not visible on this chart) |
| | 2 | Downes et al. (1997) (Star is not visible) |
| | 3 | http://vsnet.kusastro.kyoto-u.ac.jp/vsnet/DNe/qyper.html (Star visible in outburst) |
| | 4 | Downes et al. (2001) |
| V518 Per | 1 | Castro-Tirado, A.J., et al. (6 authors) 1993, A&A 276, L37 |
| | 2 | Harlaftis, E., Charles, P. 1993, Gemini, Newsletter of the RGO No. 42, 6 |
| | 3 | Callanan, P.J., et al. (10 authors) 1995, ApJ 441, 786 |
| | 4 | Chevalier, C., Ilovaisky, S.A. 1995, A&A 297, 103 |
| | 5 | Karitskaya, E.A., Goranskij, V.P. 1995, Space Sci. Rev. 74, 489 |
| | 6 | Goranskii, V.P., Karitskaya, E.A., Kurochkin, N.E., Trunkovskii, E.M. 1996, Astron. Letters 22, 371 |
| | 7 | Castro-Tirado, A.J., Ortiz, J.L., Gallego, J. 1997, A&A 322, 507 |
| CM Phe | 1 | Jaidee, S., Lynga, G. 1969, Ark. Astron. 5, 345 (JL 181) |
| | 2 | Downes et al. (1997) |
| | 3 | Downes et al. (2001) |
| | 4 | Hoard, D.W., Wachter, S., Kim-Quijano, J. 2001, PASP 113, 482 |
| RR Pic | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Downes et al. (2001) |
| TW Pic | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| UW Pic | 1 | Shara et al. (1993) (UW Pic is the northern component of the close pair on the chart for RE 0531-462) |
| | 2 | Reinsch, K., Burwitz, V., Beuermann, K., Schwope, A.D., Thomas, H.-C. 1994, A&A 291, L27 (close pair of stars is unresolved) |
| | 3 | Downes et al. (1997) (Object Pic 1; incorrect identification; Pic 1 is then orthern component of the close pair ) |
| | 4 | Downes et al. (2001) |
| TY Psc | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| AO Psc | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |

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| AY Psc | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| TY PsA | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| UY Pup | 1 | Vogt & Bateson (1982) |
| | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| VV Pup | 1 | Downes & Shara (1993) |
| | 2 | Shara et al. (1993) |
| | 3 | Downes et al. (2001) |
| BV Pup | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| BX Pup | 1 | Vogt & Bateson (1982) |
| | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| CP Pup | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Downes et al. (2001) |
| DY Pup | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Downes et al. (2001) |
| HZ Pup | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Downes et al. (2001) |
| V347 Pup | 1 | Buckley, D.A.H., Sullivan, D.J., Remillard, R.A., Tuohy, I.R., Clark, M. 1990, ApJ 355, 617 |
| | 2 | Downes & Shara (1993) (Object Pup 2) |
| | 3 | Downes et al. (2001) |
| V348 Pup | 1 | Tuohy, I.R., Remillard, R.A., Brissenden, R.J.V., Bradt, H.V. 1990, ApJ 359, 204 |
| | 2 | Downes & Shara (1993) (Object Pup 1) |
| | 3 | Downes et al. (2001) |
| V351 Pup | 1 | Downes, R.A., Duerbeck, H.W. 2000, AJ 120, 2007 |
| | 2 | Downes et al. (2001) |
| V516 Pup | 1 | Downes et al. (2001) |
| T Pyx | 1 | Duerbeck (1987) |
| | 2 | Downes et al. (2001) |
| VW Pyx | 1 | Bond, H.E., Livio, M. 1990, ApJ 355, 568 |
| | 2 | Acker et al. (1992) (PN G253.5+10.7) |
| VZ Pyx | 1 | Downes & Shara (1993) (Object Pyx 1) |
| | 2 | Remillard, R.A., et al. (8 authors) 1994, ApJ 428, 785 |
| | 3 | Kato, T., Nogami, D. 1997, PASJ 49, 481 |
| | 4 | Downes et al. (2001) |
| WX Pyx | 1 | Hertz, P., et al. (6 authors) 1990, ApJ 364, 251 |
| | 2 | Downes & Shara (1993) (Object Pyx 2) |
| | 3 | Downes et al. (2001) |

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| V Sge | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| RZ Sge | 1 | Downes & Shara (1993) |
| | 2 | Kato, T. 1996, IBVS No. 4369 |
| | 3 | Misselt (1996) |
| | 4 | Henden & Honeycutt (1997) |
| | 5 | Downes et al. (2001) |
| UU Sge | 1 | Bond, H.E., Livio, M. 1990, ApJ 355, 568 |
| | 2 | Acker et al. (1992) (PN G053.8-03.3) |
| | 3 | Pollaco, D.L., Bell, S.A. 1997, MNRAS 284, 32 |
| WY Sge | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Downes et al. (2001) |
| WZ Sge | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| | 5 | Henden, A.A., Landolt, A.U. 2001, IBVS No. 5166 (star in outburst) |
| AW Sge | 1 | Downes & Shara (1993) (star not visible) |
| | 2 | Masi, G., Tosti, M.A. 2000, http://vsnet.kusastro.kyoto-u.ac.jp/vsnet/Mail/vsnet-campaign/msg00374.html |
| | 3 | Downes et al. (2001) |
| QR Sge | 1 | Acker et al. (1992) (PN G050.1+03.3) |
| V617 Sgr | 1 | Cieslinski, D., Steiner, J.E., Jablonski, F.J. 1998, A&A 131, 119 |
| | 2 | Downes et al. (2001) |
| V630 Sgr | 1 | Duerbeck (1987) (very crowded field) |
| | 2 | Bode et al. (1989) (very crowded field) |
| | 3 | Downes et al. (2001) (very crowded field) |
| V729 Sgr | 1 | Cieslinski, D., Steiner, J.E., Jablonski, F.J. 1998, A&A 131, 119 |
| | 2 | Downes et al. (2001) |
| V909 Sgr | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Downes et al. (2001) |
| V1017 Sgr | 1 | Humason, M.L. 1938, ApJ 88, 228 |
| | 2 | Vidal, N.V., Rodgers, A.W. 1973, PASP 86, 26 |
| | 3 | Williams (1983) |
| | 4 | Duerbeck (1987) |
| | 5 | Downes et al. (2001) |
| V1223 Sgr | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| V3885 Sgr | 1 | Metz, K. 1990, IBVS No. 3413 |
| | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| V4077 Sgr | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |

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| V4077 Sgr | 3 | Downes et al. (2001) |
| V4134 Sgr | 1 | Mason, K.O., Parmar, A.N., White, N.E. 1985, MNRAS 216, 1033 |
| | 2 | Wachter, S., Smale, A.P. 1998, ApJ 396, L21 |
| V4140 Sgr | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| V4580 Sgr | 1 | Giles, A.B., Hill, K.M., Greenhill, J.G. 1999, MNRAS 304, 47 |
| | 2 | Homer, L., Charles, P.A., Chakrabarty, D., van Zyl, L. 2001, MNRAS 325, 1471 |
| | 3 | Campana, S., et al. (9 authors) 2002, ApJ 575, L15 (X-ray map) |
| V4633 Sgr | 1 | Downes et al. (2001) |
| V4634 Sgr | 1 | Barret, D., Motch, C., Pietsch, W. 1995, A&A 303, 526 |
| | 2 | Homer, L., Charles, P.A., O'Donoghue, D. 1998, MNRAS 298, 497 |
| V4641 Sgr | 1 | Orosz, J. 2000, IBVS No. 4921 |
| | 2 | Uemura, M., et al. (6 authors) 2002, PASJ 54, 95 |
| V4738 Sgr | 1 | Burwitz, V., Reinsch, K., Beuermann, K., Thomas, H.-C. 1997, A&A 327, 183 |
| | 2 | Downes et al. (2001) |
| U Sco | 1 | Duerbeck (1987) |
| | 2 | Budzinovskaya, I.A., Pavlenko, E.P., Shugarov, S.Yu. 1992, SvA Letters 18, 201 |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| MM Sco | 1 | Vogt & Bateson (1982) |
| | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| | 4 | Monard. B. 2002, http://vsnet.kusastro.kyoto-u.ac.jp/vsnet/DNe/mmsco.html |
| V697 Sco | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Downes et al. (2001) |
| V818 Sco | 1 | Gottwald et al. (1991) |
| | 2 | Shara et al. (1993) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Shara et al. (1997) |
| V893 Sco | 1 | Kato, T., Haseda, K., Takamizawa, K., Kazarovets, E.V., Samus, N.N. 1998, IBVS No. 4585 |
| | 2 | Thorstensen, J.R. 1999, IBVS No. 4749 |
| | 3 | Downes et al. (2001) |
| V926 Sco | 1 | Jernigan, J.G., Apparao, K.M.V., Bradt, H.V., Doxsey, R.E., McClintock, J.E. 1977, Nat 270, 321 |
| V992 Sco | 1 | Downes et al. (2001) |
| V1033 Sco | 1 | Bailyn, C.D., et al. (12 authors) 1955, Nat 374, 701 |
| V1101 Sco | 1 | Reid et al. (1980) (Star No. 6) |
| | 2 | Cooke, B.A., Ponman, T.J. 1991, A&A 244, 358 (Star No. 6) |

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| V1101 Sco | 3 | Wachter, S., Margon, B. 1996, AJ 112, 2684 |
| VY Scl | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| VZ Scl | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| BW Scl | 1 | Abbott, T.M.C., Fleming, T.A., Pasquini, L. 1997, A&A 318, 134 |
| | 2 | Lamontagne, R., Demers, S., Wesemael, F., Fontaine, G., Irwin, M.J. 2000, AJ 119, 241 (MCT 2350-3908) |
| | 3 | Downes et al. (2001) |
| X Ser | 1 | Williams (1983) |
| | 2 | Duerbeck (1987) |
| | 3 | Bode et al. (1989) |
| | 4 | Henden & Honeycutt (1997) |
| | 5 | Downes et al. (2001) |
| UZ Ser | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| CT Ser | 1 | Wyckoff, S., Wehinger, P.A. 1978, PASP 90, 557 |
| | 2 | Duerbeck (1987) |
| | 3 | Bode et al. (1989) |
| | 4 | Henden & Honeycutt (1997) |
| | 5 | Downes et al. (2001) |
| LX Ser | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| MM Ser | 1 | Gottwald et al. (1991) |
| MR Ser | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| MT Ser | 1 | Grauer, A.D., Bond, H.E. 1983, ApJ 271, 259 |
| | 2 | Acker et al. (1992) (PN G009.6+10.5) |
| | 3 | Pollaco, D.L., Bell, S.A. 1997, MNRAS 284, 32 |
| NN Ser | 1 | Green et al. (1982) |
| | 2 | http://www.hq.eso.org/outreach/info-events/ut1fl/astroim-stars.html |
| NY Ser | 1 | Green et al. (1986) |
| | 2 | Shara et al. (1993) (Object Ser 1) |
| | 3 | Downes et al. (2001) |
| QW Ser | 1 | Downes et al. (2001) |
| QZ Ser | 1 | Downes et al. (2001) |
| RW Sex | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| SW Sex | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| UZ Sex | 1 | Bruch, A., Diaz, M.P. 1999, A&A 351, 573 |

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| V471 Tau | 1 | Shara et al. (1993) |
| | 2 | Shara et al. (1997) |
| V701 Tau | 1 | Downes et al. (1997) (Star is not visible) |
| | 2 | Downes et al. (2001) |
| V1062 Tau | 1 | Downes & Shara (1993) (Object Tau 1) |
| | 2 | Remillard, R.A., et al. (8 authors) 1994, ApJ 428, 785 |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| V1208 Tau | 1 | Mothch, C., et al. (6 authors) 1996, A&A 307, 405 |
| | 2 | Downes et al. (1997) |
| | 3 | Downes et al. (2001) |
| KK Tel | 1 | Vogt & Bateson (1982) |
| | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| | 4 | Nelson, P. 2002, http://vsnet.kusastro.kyoto-u.ac.jp/ vsnet/DNe/kktel.html (in outburst) |
| QS Tel | 1 | Buckley, D.A.H., et al. (9 authors) 1993, MNRAS 262, 93 |
| | 2 | Shara et al. (1993) |
| | 3 | Mason et al. (1995) |
| | 4 | Downes et al. (1997) |
| | 5 | Shara et al. (1997) |
| | 6 | Downes et al. (2001) |
| RW Tri | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| TW Tri | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| UW Tri | 1 | Duerbeck (1987) (target not visible) |
| | 2 | Robertson, J.W., Honeycutt, R.K., Hillwig, T., Jurcevic, J.S., Henden, A.A. 2000, AJ 119, 1365 |
| | 3 | Downes et al. (2001) (target not visible) |
| WY Tri | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (2001) |
| AI Tri | 1 | Schwarz, R., et al. (15 authors) 1998, A&A 338, 465 |
| | 2 | Downes et al. (2001) |
| EK TrA | 1 | Downes & Shara (1993) (note: object marked is incorrect; as true object is the brighter star to the southwest) |
| | 2 | Downes et al. (2001) |
| KZ TrA | 1 | Bradt, H., et al. (6 authors) 1977, Nat 269, 496 (Star No. 4) |
| LU TrA | 1 | Apparao, K.M.V., et al. (6 authors) 1978, Nat 271, 225 (Star No. 43) |
| | 2 | Reid et al. (1980) (Star No. 43) |
| | 3 | Motch, C., Pakull, M.W., Mouchet, M., Beuermann, K. 1989, A&A 219, 158 |
| CP Tuc | 1 | Thomas, H.-C., Reinsch, K. 1996, A&A 315, L1 |
| | 2 | Downes et al. (1997) (Object Tuc 2) |

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| CP Tuc | 3 | Downes et al. (2001) |
| SU UMa | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| SW UMa | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| UX UMa | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| AN UMa | 1 | Downes & Shara (1993) |
| | 2 | Shara et al. (1993) |
| | 3 | Henden & Honeycutt (1995) |
| | 4 | Shara et al. (1997) |
| | 5 | Downes et al. (2001) |
| AR UMa | 1 | Remillard, R.A., Schachter, J.F., Silber, A., Slane, P. 1994, ApJ 426, 288 |
| | 2 | Downes et al. (1997) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| BC UMa | 1 | Barbieri, C., et al. (6 authors) 1985, A&AS 61, 163 (No. 43) |
| | 2 | Mukai et al. (1990) |
| | 3 | Downes & Shara (1993) |
| | 4 | Misselt (1996) |
| | 5 | Downes et al. (2001) |
| BE UMa | 1 | Barbieri, C., et al. (6 authors) 1985, A&AS 61, 163 (No. 51) |
| | 2 | Liebert, J., Tweedy, R.W., Napiwotzki, R., Fulbright, M.S. 1995, ApJ 441, 424 |
| BZ UMa | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| CH UMa | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (2001) |
| CI UMa | 1 | Bruch et al. (1987) |
| | 2 | Mukai et al. (1990) |
| | 3 | Downes & Shara (1993) |
| | 4 | Downes et al. (2001) |
| CY UMa | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| DI UMa | 1 | Downes & Shara (1993) |
| | 2 | Kato, T., Nogami, D., Baba, H. 1996, PASJ 48, L93 |
| | 3 | Downes et al. (2001) |
| DV UMa | 1 | Mukai et al. (1990) |

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| DV UMa | 2 | Downes & Shara (1993) |
| | 3 | Downes et al. (2001) |
| DW UMa | 1 | Downes & Shara (1993) |
| | 2 | Henden & Honeycutt (1995) |
| | 3 | Downes et al. (2001) |
| EG UMa | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| EI UMa | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Henden & Honeycutt (1997) |
| | 4 | Downes et al. (2001) |
| EK UMa | 1 | Downes & Shara (1993) |
| | 2 | Shara et al. (1993) |
| | 3 | Maccacaro et al. (1994) |
| | 4 | Shara et al. (1997) |
| | 5 | Downes et al. (2001) |
| ER UMa | 1 | Green et al. (1986) |
| | 2 | Downes & Shara (1993) (Object UMa 1) |
| | 3 | Henden & Honeycutt (1995) |
| | 4 | Misselt (1996) |
| | 5 | Downes et al. (2001) |
| EU UMa | 1 | Mittaz, J.P.D., Rosen, S.R., Mason, K.O., Howell, S.B. 1992, MNRAS 258, 277 |
| | 2 | Shara et al. (1993) |
| | 3 | Mason et al. (1995) |
| | 4 | Downes et al. (1997) |
| | 5 | Shara et al. (1997) |
| | 6 | Downes et al. (2001) |
| EV UMa | 1 | Shara et al. (1993) |
| | 2 | Osborne, J.P., et al. (8 authors) 1994, MNRAS 270, 650 |
| | 3 | Mason et al. (1995) |
| | 4 | Downes et al. (1997) |
| | 5 | Downes et al. (2001) |
| FH UMa | 1 | Singh, K.P., et al. (10 authors) 1996, ApJ 453, L95 |
| | 2 | Downes et al. (1997) (Object UMa 9) |
| | 3 | Downes et al. (2001) |
| IY UMa | 1 | Uemura, M., et al. (18 authors) 2000, PASJ 52, L9 |
| | 2 | Downes et al. (2001) |
| KS UMa | 1 | Downes et al. (2001) |
| | 2 | http://cba.phys.columbia.edu/graphics/charts/sbs1017.gif |
| KV UMa | 1 | Uemura, M., et al. (10 authors) 2000, PASJ 52, L15 |
| | 2 | http://vsnet.kusastro.kyoto-u.ac.jp/vsnet/Xray/xtej1118.h |
| | 3 | http://cba.phys.columbia.edu/charts/old/xte1118+48b.html |
| RW UMi | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Kaluzny, J., Chlebowski, T. 1989, AA 39, 35 |
| | 4 | Bianchini, A., Tappert, C., Osborne, H., Canterna, R., Tamburini, F. 2001, astro-ph/0107583 (pre-outburst POSS plate, object invisible) |
| | 5 | Downes et al. (2001) |
| SS UMi | 1 | Chen, J.-S., Liu, X.-W., Wei, M.-Z. 1990, A&A 242, 397 |

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| SS UMi | 2 | Downes & Shara (1993) |
| | 3 | Misselt (1996) |
| | 4 | Henden & Honeycutt (1997) |
| | 5 | Downes et al. (2001) |
| CU Vel | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| | 3 | Heathcote, B. 2002, http://vsnet.kusastro.ktoto-u.ac.jp./ vsnet/DNe/cuvel0212.html (in superoutburst) |
| | 4 | Nelson, P. 2002, http://vsnet.kusastro.ktoto-u.ac.jp./ vsnet/DNe/cuvel0212.html (in superoutburst) |
| IX Vel | 1 | Downes & Shara (1993) |
| | 2 | Shara et al. (1993) |
| | 3 | Shara et al. (1997) |
| | 4 | Downes et al. (2001) |
| KO Vel | 1 | Downes & Shara (1993) |
| | 2 | Downes et al. (2001) |
| KV Vel | 1 | Bond, H.E., Livio, M. 1990, ApJ 355, 568 |
| | 2 | Acker et al. (1992) (PN G283.9+09.7) |
| MM Vel | 1 | Bailyn, C.D., Orosz, J.A. 1995, ApJ 440, L73 |
| | 2 | Shahbaz, T., van der Hooft, F., Charles, P.A., Casares, J., van Paradijs, J. 1996, MNRAS 282, L47 |
| | 3 | Masetti, N., Bianchini, A., Della Valle, M. 1997, A&A 317, 769 |
| | 4 | Della Valle, M., Benetti, S., Cappellaro, E., Wheeler, C. 1997, A&A 318, 179 |
| | 5 | Filippenko, A.V., et al. (6 authors) 1999, PASP 111, 969 |
| MR Vel | 1 | Motch, C., Hasinger, G., Pietsch, W. 1994, A&A 284, 827 |
| | 2 | Downes et al. (2001) |
| V381 Vel | 1 | Greiner, J., Schwarz, R. 1998, A&A 340, 129 |
| | 2 | Vennes, S., Ferrario, L., Wickramasinghe, D. 1999, Annapolis Workshop on Magnetic Cataclysmic Variables, eds. C. Hellier and Mukai, ASP Conf. Ser. Vol. 157, p. 143 |
| | 3 | Downes et al. (2001) |
| V382 Vel | 1 | Downes et al. (2001) |
| TW Vir | 1 | Downes & Shara (1993) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (2001) |
| GK Vir | 1 | Green, R.F., Richstone, D.O., Schmidt, M. 1978, ApJ 224, 892 |
| HS Vir | 1 | Green et al. (1982) |
| | 2 | Downes & Shara (1993) |
| | 3 | Misselt (1996) |
| | 4 | Henden & Honeycutt (1997) |
| | 5 | Downes et al. (2001) |
| HV Vir | 1 | Duerbeck (1987) |
| | 2 | Misselt (1996) |
| | 3 | Downes et al. (2001) |
| HW Vir | 1 | Green et al. (1986) (PG 1241-084) |
| NY Vir | 1 | Green et al. (1986) (PG 1336-018) |

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| OU Vir | 1 | Downes et al. (1997) (Object Vir 4) |
| | 2 | Downes et al. (2001) |
| UY Vol | 1 | Wade, R.A., Quintana, H., Horne, K., Marsh, T.R. 1985, PASP 97, 1092 |
| VW Vul | 1 | Andronov, I.L., Borodina, I.G., Kolesnikov, S.V., Shakhovskoy, N.M., Shvechkova, N.A. 1993, IBVS No. 3932 |
| | 2 | Downes & Shara (1993) |
| | 3 | Misselt (1996) |
| | 4 | Downes et al. (2001) |
| PW Vul | 1 | Bode et al. (1989) |
| | 2 | Ringwald, F.A., Naylor, T. 1996, MNRAS 278, 808 |
| | 3 | Downes et al. (2001) |
| | 4 | Hoard, D.W., Wachter, S., Clark, L.L., Bowers, T.P. 2002, ApJ 565, 511, for the chart see erratum in ApJ 569, 1037 (J-band image, identification uncertain) |
| QQ Vul | 1 | Andronov, I.L., Borodina, I.G., Kolesnikov, S.V., Shakhovskoy, N.M., Shvechkova, N.A. 1993, IBVS No. 3932 |
| | 2 | Downes & Shara (1993) |
| | 3 | Shara et al. (1993) |
| | 4 | Henden & Honeycutt (1995) |
| | 5 | Shara et al. (1997) |
| | 6 | Downes et al. (2001) |
| QU Vul | 1 | Duerbeck (1987) |
| | 2 | Bode et al. (1989) |
| | 3 | Downes et al. (2001) |
| QZ Vul | 1 | Chevalier, C., Ilovaisky, S.A. 1990, A&A 238, 163 |
| | 2 | Gottwald et al. (1991) |
| V405 Vul | 1 | Richter, G.A., Greiner, J., Kroll, P. 1998, IBVS No. 4622 |
| | 2 | Downes et al. (2001) |
| V406 Vul | 1 | Zurita, C., et al. (14 authors) 2002, MNRAS 334, 999 |
| V407 Vul | 1 | Motch, C., et al. (6 authors) 1996, A&A 307, 459 (Star H, see Cropper, M., et al. 1998 MNRAS, 293,L57) |
| | 2 | Ramsay, G., Cropper, M., Mason, K., Hakala, P. 1999, in: Annapolis Workshop on Magnetic Cataclysmic Variables, eds. C. Hellier and K. Mukai, ASP Conf. Ser. Vol. 157, p. 153 |
| | 3 | Ramsay, G., Cropper, M., Wu, K., Mason, K.O., Hakala, P. 1999, MNRAS 311, 75 |
| | 4 | Downes et al. (2001) |
| | 5 | Ramsay, G., et al. (7 authors) 2002, MNRAS 333, 575 |
| Abell 65 | 1 | Acker et al. (1982a) (FC No. 384) |
| | 2 | Bond, H.E., Livio, M. 1990, ApJ 355, 568 |
| | 3 | Acker et al. (1992) (PN G017.3-21.9) |
| | 4 | Walsh, J.R., Walton, N.A. 1996, A&A 315, 253 |
| | 5 | Pollaco, D.L., Bell, S.A. 1997, MNRAS 284, 32 |
| AC 211 | 1 | Charles, P.A., Clarkson, W.I., van Zyl, L. 2002, New Astron. 7, 21 (HST finding chart) |
| | 2 | White, N.E., Angelini, L. 2001, ApJ 561, L101 |

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|---|---|---|
| AKO 9 | 1 | Minniti, D., et al. (6 authors) 1997, ApJ 474, L27 |
| | 2 | Downes et al. (2001) |
| | 3 | Grindaly, J.E., Heinke, C., Edmonds, P.D., Murray, S.S. 2001, Science 292, 2290 |
| | 4 | Knigge, C., Shara, M.M., Zurek, D.R., Long, K.S., Gilliland, R.L. 2002, in: Stellar Collisions, Mergers and their Consequences, M.M. Shara (ed.), ASP Conf. Ser. Vol. 263, 137 |
| BPM 71214 | 1 | Kawka, A., Vennes, S., Koch, R., Williams, A. 2002, AJ 124, 2853 |
| CAL 83 | 1 | Schmidtke, P.C., et al. (6 authors) 1994, PASP 106, 843 |
| CAL 86 | 1 | Schmidtke, P.C., et al. (6 authors) 1994, PASP 106, 843 (Star 2) |
| | 2 | Downes et al. (2001) |
| CAL 87 | 1 | Pakull, M.W., Beuermann, K., van der Klis, M., van Paradijs, J. 1988, A&A 203, L27 |
| CE 315 | 1 | Downes et al. (2001) |
| | 2 | Ruiz, M.T., Wischnjewsky, M., Rojo, P.M., Gonzalez, L.E. 2001, ApJS 133, 119 |
| CV 496-083 | 1 | |
| Feige 11 | 1 | Feige, J. 1959, ApJ 129, 600 |
| Feige 24 | 1 | Turnshek, D.A., et al. (7 authors) 1990, AJ 99, 1243 |
| | 2 | Shara et al. (1993) |
| | 3 | Shara et al. (1997) |
| Feige 36 | 1 | Feige, J. 1959, ApJ 129, 600 |
| Feige 55 | 1 | Feige, J. 1959, ApJ 129, 600 |
| G 203-47A | 1 | Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1967, Lowell Obs. Bull. No. 138 (Vol. 7, No. 1, p. 1) |
| GD 552 | 1 | Downes & Shara (1993) (Object Cep 1) |
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| | 2 | Schwope, A., et al. (8 authors) 2002, A&A 396, 895 |
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| 1619+5213 | 1 | Green et al. (1986) |
| 1624-4904 | 1 | Reid et al. (1980) (No optical counterpart identified) |
| 1627+0144 | 1 | Green et al. (1986) (very poor chart, much too dark) |
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| | 2 | Mickaelian, A.M., et al. (6 authors) 2002, A&A 381, 894 |
| J1650-4957 | 1 | http://cfa-www.harvard.edu/ pgroot/XTEJ1650-50OGLE.ps |
| 1704+4807BC | 1 | http://procyon.lpl.arizona.edu/WD/ (WD 1748+481) |
| 1705-4402 | 1 | Reid et al. (1980) (No optical counterpart identified) |

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| 1713+3316 | 1 | Green et al. (1986) |
| 1716+4237 | 1 | Green et al. (1986) |
| 1725+2510 | 1 | Green et al. (1986) |
| J1730+6247 | 1 | Downes et al. (2001) |
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| | 2 | Deutsch, E.W., Margon, B., Anderson, S.F., Wachter, S., Goss, W.M. 1999, ApJ 524, 406 |
| | 3 | Callanan, P.J., et al. (9 authors) 2002, ApL 574, L143 (K-band image) |
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| 1824+0402 | 1 | Turnshek, D.A., et al. (6 authors) 1990, AJ 99, 1243 (Note that the coordinates given in Table 1 do not correspond to the star marked on the finding chart given on Plate 54!) |

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| 1832-3301 | 1 | Deutsch, E.W., Margon, B., Anderson, S.F. 1998, AJ 116, 1301 (Star 49; this is not the correct identification -¿ Heinke, Edmonds & Grindlay 2001) |
| | 2 | Heinke, C.O., Edmonds, P.D., Grindlay, J.E. 2001, ApJ 562, 363 (CHANDRA field; star B) |
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| | 2 | Schwarz, R., Greiner, J., Tovmassian, G.H., Zharikov, S.V., Wenzel, W. 2002, A&A 392, 505 |
| 1850-0846 | 1 | Anderson, S.F., Margon, B., Deutsch, E.W., Downes, R.A. 1993, AJ 106, 1049 (Star S) |
| | 2 | Homer, L., et al. (6 authors) 1996, MNRAS 282, L37 (Star S) |
| J1910+2856 | 1 | Thorstensen, J.R., Haberl, F. 2000, A&A 358, 600 (in outburst) |
| | 2 | Downes et al. (2001) |
| J1928-5001 | 1 | Shara et al. (1997) (object not identified) |
| 1933+5100 | 1 | Downes & Shara (1993) (Object Cyg 2) |
| | 2 | Downes et al. (2001) (Object Cyg 2) |
| 1946+4340 | 1 | Downes, R.A. 1986, ApJS 61, 569 |
| J1951+3716 | 1 | Motch, C., et al. (9 authors) 1998, A&AS 132, 341 |
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| | 2 | http://procyon.lpl.arizona.edu/WD (WD 2032+188) |
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| 2154+4048 | 1 | Downes, R.A. 1986, ApJS 61, 569 |
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| 2209-1444 | 1 | |

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| 2345+3148 | 1 | Green et al. (1986) |

# Abbreviated References


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# Who's Who ?

Note that catalogue designations involving the equatorial coordinates are given in the following format:
HHMMSDDMM (catalogue acronyms) if the position is given in B1950 coordinates, and
JHHMMSDDMM (catalogue acronyms) if the position is given in J2000 coordinates.
Here HHMM is the truncated right ascension in hours (HH) and minutes (MM), DDMM the truncated declination in degrees (DD) and minutes of arc (MM), and S the sign of the declination.

## Part I: Variable Star Names in Lexigraphical Order

RX And = GSC 2807.1623 = USNO-A2.0 1275-00640172
= 0101+4101 (1E, 1ES, 2E) = J0104+4117 (1RXS)
AR And = USNO-A2.0 1275-01038868
DX And = USNO-A2.0 1275-18438772
FO And = S 9508 And = USNO-A2.0 1275-00747922
HV And = S 10777 And = USNO-A2.0 1275-00411469
PX And = And 1 = USNO-A2.0 1125-00183860 = 0027+2600 (PG)
QR And = GSC 1185.1428 = RBS 43 = USNO-A2.0 1050-00104732
= J0019+2156 (RX, 1RXS, WGA)
V402 And = Antipin V62 = USNO-A2.0 1200-00093390 = V62 And
UU Aqr = GSC 5227.0829 = PB 7078 = S 196 = StHA 196
= USNO-A2.0 0825-19565561
VY Aqr = Nova Aqr (1907, 1929, 1934, 1941, 1942, 1958, 1962, 1973, 1983) = USNO-A2.0 0750-20686374
AE Aqr = GSC 5177.0636 = HIP 101991 = USNO-A2.0 0825-18575314
= 2037-0102 (1E, 1ES, 2E) = J2040-0052 (1RXS)
FF Aqr = BD -3 5357 = GSC 5227.0134 = HIP 108644 = SAO 145804
= USNO-A2.0 0825-19514021
FO Aqr = GSC 5804.0775 = PB 7131 = USNO-A2.0 0750-21164531
= 2215-0836 (2E, H)
HL Aqr = GSC 0560.0777 = PHL 227 = USNO-A2.0 0900-20081292
HU Aqr = GSC 5200.0849 = RBS 1724 = USNO-A2.0 0825-19016595
= J2107-0517 (EUVE, RE, 2RE, RX, 1RXS, WGA, XUV)
LZ Aqr = J2123-0547 (XTE)
UU Aql = HV 1319 = USNO-A2.0 0750-19426244
CI Aql = Nova Aql (1917, 1941, 2000) = USNO-A2.0 0825-13277160
DH Aql = HV 3899 = USNO-A2.0 0750-18008187
DO Aql = Nova Aql 1925 = USNO A2.0 0825-16104651
KX Aql = HV 5428 = USNO-A2.0 0975-15369348
V368 Aql = Nova Aql 1936 = USNO-A2.0 0975-14821734
V500 Aql = Nova Aql 1943 = S 5342 Aql = USNO-A2.0 0975-16891553
V603 Aql = GSC 0448.0423 = HD 174107 = HIP 92316 = Nova Aql 1918
= 1846+0031 (2E, 1ES, KPD) = J1848+0035 (1RXS)
V794 Aql = USNO A2.0 0825-18031378 = 2014-0349 (2E)
= J2017-0339 (1RXS)
V1101 Aql = GSC 1618.1920 = USNO-A2.0 1050-16865498
V1315 Aql = SVS 8130 = USNO-A2.0 0975-14384125 = 1911+1212 (KPD)
V1333 Aql = Aql X-1 = USNO-A2.0 0900-14115992
= 1908+0030 (3A, CGS, 1ES, 1M, 2S, 3U, 4U)
= J1911+0035 (1RXS)
V1405 Aql = 1916-0519 (1A, 3A, CGS, EXO, 2E, 1ES, H, 1H, 1M, MXB, 2S, 3U, 4U) = J1918-0514 (1RXS)
V1408 Aql = 1957+1134 (1A, 3A, CGS, H, 1H, 1M, 2S, 3U, 4U)
= J1959+1142 (1RXS)
V1425 Aql = Nova Aql 1995
V1432 Aql = Aql 1 = USNO-A2.0 0750-18756420 = J1940-1025 (RX, 1RXS)
V1487 Aql = Nova Aql 1992 = J1915+1056 (GRS)
V1493 Aql = Nova Aql 1999#1
V1494 Aql = Nova Aql 1999#2 = USNO-A2.0 0900-14841477

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AT Ara    = HV 6551
BF Ara    = HV 6576
OY Ara    = HD 149990 = HV 3305 = Nova Ara 1910
V801 Ara  = Nor X-1 = USNO-A2.0 0300-29212621
          = 1636-5339 (3A, CGS, H, 1H, MXB, 1M, 2S, 2U, 3U, 4U)
          = J1640-5345 (1RXS)
V821 Ara  = GX 339-4 = USNO-A2.0 0375-29869782
          = 1659-4843 (3A, CGS, 2E, 1H, 1M, 3U, 4U) = J1702-4847 (1RXS)
V877 Ara  = CSV 7612 = NSV 8383 = USNO-A1.0 0225-27372547
          = USNO-A2.0 0225-27289639
TT Ari    = BD +14 341 = RBS 280 = S 14 = USNO-A2.0 1050-00582755
          = 0204+1503 (AXG, EXO, 1E, 2E, 1ES, MS) = J0206+1517 (1RXS)
WX Ari    = USNO-A2.0 0975-00628622 = 0244+1023 (PG)
XY Ari    = 0253+1914 (2E, H, 1H) = J0256+1926 (1AXG)
T  Aur    = AGK3 +30 554 = BD +30 923A = HD 36294 = Nova Aur 1891
          = USNO-A2.0 1200-03445301
SS Aur    = USNO-A2.0 1350-06503630
FS Aur    = S 3946 Aur = USNO-A2.0 1125-02825338
HV Aur    = S 8480 Aur
KR Aur    = Nova Aur 1960 = S 5420 Aur = USNO-A2.0 1125-03660171
          = 0612+2836 (2E, KUV)
QZ Aur    = Nova Aur 1964 = USNO-A2.0 1200-03365678
V363 Aur  = Lanning 10 = USNO-A2.0 1200-03480793 = 0530+3657 (KPD)
V405 Aur  = Aur 1 = GSC 3750.0721 = USNO-A2.0 1425-06347368
          = J0558+5353 (1AXG, RX, 1RXS)
TT Boo    = HV 3681 = USNO-A2.0 1275-08560013
UZ Boo    = HV 10426 = USNO-A2.0 1050-07272591
CR Boo    = GSC 0900.1185 = USNO-A2.0 0975-07297571
          = 1346+0812 (PG, WD) = J1348+0757 (EUVE, 2EUVE)
RR Cae    = BPM 31582 = GJ 2034 = GSC 8072.1454 = LFT 349 = LHS 1660
          = LTT 1951 = 0419-4846 (WD)
RS Cae    = Cae 1 = RBS 599 = USNO-A2.0 0450-01739927
          = J0453-4213 (EUVE, 2EUVE, RE, 2RE, RX, 1RXS, WGA, XUV)
Z  Cam    = GSC 4380.1032 = USNO-A2.0 1575-02857529
          = 0819+7316 (2E) = J0825+7306 (1AXG)
AF Cam    = Lanning 281 = USNO-A2.0 1425-04380390
BY Cam    = GSC 4081.0460 = USNO-A2.0 1500-04322936
          = 0538+6050 (H, 1H, 4U) = J0542+6051 (EUVE)
BZ Cam    = GSC 4362.0285 = USNO-A2.0 1575-02559940
          = 0623+7106 (H) = central star of the planetary nebula(?)
            EGB 4 = PK 144 +24 1 = PN G143.6+23.8
FT Cam    = Antipin V64 = Lanning 497 = USNO-A1.0 1500-03128973
          = USNO-A2.0 1500-03107120 = Var 64 Cam = J0321+6105 (1RXS)
HR Cam    = GD 448 =  LP 034-185 = MK 377 = USNO-A2.0 1575-02696117
          = 0710+7406 (WD)
HS Cam    = J0719+6557 (RX, 1RXS)
HT Cam    = USNO-A2.0 1500-04947758 = J0757+6306 (RX, 1RXS)
IQ Cam    = USNO-A2.0 1425-05194517 = 0422+5421 (KPD)
SY Cnc    = BD +18 2101 = GSC 1397.0817 = USNO-A2.0 1050-05931674
          = 0858+1805 (PG)
YZ Cnc    = GSC 1939.1134 = USNO-A2.0 1125-05530395
          = 0807+2817 (2E) = J0810+2808 (1RXS)
AC Cnc    = GSC 0816.0801 = USNO-A2.0 0975-06024346 = 0841+1303 (1H)
AK Cnc    = USNO-A2.0 0975-06090385
AR Cnc    = Ton 408 = USNO-A2.0 1200-06291534
AT Cnc    = EGGR 151 = FBS B388 = GSC 1944.1001 = Ton 323
          = USNO-A2.0 1125-05637562
CC Cnc    = GSC 1398.2391 = USNO-A2.0 1050-05793655
EG Cnc    = Huruhata's star = USNO-A2.0 1125-05713912
EU Cnc    = CV in M 67 = M67-168 = M67 X16
GY Cnc    = GSC 1404.1830 = USNO-A2.0 1050-05975509
          = 0907+1902 (HS) = J0909+1849 (RX, 1RXS)
GZ Cnc    = GSC 0819.0892 = Tmz V34 = USNO-A2.0 0975-06195864
          = J0915+0900 (RX, 1RXS)
UX CVn    = CBS 160 = FBS B523 = GSC 2529.0746 = HZ 22
          = USNO-A2.0 1200-06868136 = 1212+3655 (FBS, PG)
AM CVn    = CBS 354 = EGGR 91 = FBS B91 = GSC 3018.2523 = HZ 29
          = USNO-A2.0 1275-08109321 = 1232+3754 (PG, WD)
DE CVn    = GSC 3460.0780 = USNO-A2.0 1350-08279827
          = J1326+4532 (RX, 1RXS)
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WY CMa    = GSC 6532.2479 = USNO-A2.0 0600-05222807
CG CMa    = Nova CMa 1934
HL CMa    = 0643-1648 (CGS, 1E, 2E, 1ES)
IN CMa    = USNO-A2.0 0525-04760587 = 0718-3141 (WD)
          = J0720-3147 (EUVE, 2EUVE, EXO, RE, 2RE, RX, 1RXS, XUV)
PU CMa    = USNO-A2.0 0600-03809645 = J0640-2423 (RX, 1RXS)
SV CMi    = USNO-A2.0 0900-05053437
AQ CMi    = SVS 992
BG CMi    = USNO-A2.0 0975-05214393 = 0728+1002 (3A, 2E)
RS Car    = HD 96830 = HV 47 = Nova Car 1895
OY Car    = S 6302 Car = USNO-A2.0 1050-06723015 = J1006-7014 (XUV)
QU Car    = CD -67 1010 = CPD -67 1645 = GSC 9212.2097 = HDE 310376
          = HIP 54226 = USNO-A2.0 1050-08042508
V395 Car  = 0921-6304 (3A, CGS, 1ES, H, 1H, 2S)
V436 Car  = Car 1 = GSC 8552.0902 = J0744-5257 (RX, 1RXS)
AM Cas    = GSC 4320.0923 = USNO-A2.0 1575-01370275
GX Cas    = S 3330 Cas = USNO-A2.0 1425-01142168
HT Cas    = S 3343 Cas = USNO-A2.0 1500-01194794 = 0107+5948 (2E)
          = J0110+6004 (1RXS)
V425 Cas  = S 9712 Cas = USNO-A2.0 1425-14528389
V592 Cas  = GSC 3657.1285 = LS I 55 -8 = LS 55 -8
          = USNO-A2.0 1425-00489557 = 0018+5525 (KPD)
          = J0020+5542 (1RXS)
V630 Cas  = Nova Cas 1950 = OV 29 = USNO-A2.0 1350-18714761
          = J2348+5127 (SAX, 1SAX)
V664 Cas  = Cas 1 = GSC 4056.1762 = Lanning 149
          = USNO-A2.0 1500-02918093
          = central star of the planetary nebula HFG 1
V705 Cas  = Nova Cas 1993 = USNO-A2.0 1425-15433785
V709 Cas  = Cas 2 = USNO-A2.0 1425-00678902 = 0026+5900 (3A, 1H, 4U)
          = J0028+5917 (RX, 1RXS)
V723 Cas  = Nova Cas 1995 = USNO-A2.0 1425-01506599
V731 Cas  = NGC 7789-V9 = binary in the open cluster NGC 7789
WX Cen    = Cen XR-2 = HV 1262
BV Cen    = GSC 8666.0998 = HV 4647 = USNO-A2.0 0300-18668886
          = 1328-5443 (1ES, 2E) = J1331-5458 (1RXS)
MU Cen    = USNO-A2.0 0450-13975394
V359 Cen  = Nova Cen 1929 = USNO-A2.0 0450-13664158
V436 Cen  = HV 10120 = USNO-A2.0 0450-12643097
          = 1111-3724 (1E, 2E, 1ES) = J1114-3740 (CTCV, 1RXS)
V442 Cen  = HV 8364 = USNO-A2.0 0525-14089223
V485 Cen  = GSC 7253.1599 = HV 10231 = USNO-A2.0 0525-15614736
V803 Cen  = AE 1 = USNO-A2.0 0450-15609843 = J1323-4144 (RX, 1RXS)
V822 Cen  = Cen X-4 = Nova Cen 1969 = USNO-A2.0 0525-18421481
          = 1455-3128 (CGS, 2E, 4U) = J1458-3140 (1RXS)
V834 Cen  = USNO-A2.0 0375-20155822
          = 1405-4503 (1E, 2E, 1ES, EXO, H, 1H)
          = J1409-4517 (EUVE, 2EUVE, RX, 1RXS, WGA, XUV)
V895 Cen  = Cen 2 = HV 7408 = NSV 6680 = SVS 2143
          = USNO-A2.0 0450-17691173 = J1429-3804 (EUVE, 2EUVE)
V1025 Cen = USNO-A2.0 0450-14522935 = J1238-3842 (RX)
V1033 Cen = Cen 3 = J1141-6410 (RX, 1RXS)
WW Cet    = GSC 5264.0415 = HV 8002 = PHL 718 = RBS 22
          = USNO-A2.0 0750-00044001 = 0008-1145 (2E) = J0011-1128 (1RXS)
WX Cet    = BV 416 = Nova Cet 1963 = USNO-A2.0 0675-00464088
BO Cet    = Cet 4 = GSC 4689.0066 = PB 6656 = USNO-A2.0 0825-00489214
          = 0204-0217 (1H)
CC Cet    = GSC 0648.1198 = USNO-A2.0 0975-00708136 = 0308+0938 (PG, WD)
EQ Cet    = RBS 206 = USNO-A2.0 0600-00568386 = J0128-2339 (RX, 1RXS)
Z  Cha    = GSC 9394.2439 = S 4893 Cha = SVS 1244
          = USNO-A2.0 0075-01547167 = 0808-7623 (2E) = J0807-7632 (1RXS)
RR Cha    = Nova Cha 1953 = S 5346 Cha = USNO-A2.0 0075-03661656
RX Cha    = S 6311 Cha
BW Cir    = Cen X-2? = Nova Cir 1987 = 1354-6429 (GS, 1H, 1M, MXB)
BY Cir    = Nova Cir 1995
BZ Cir    = Cir 1 = 1449-6804 (1E, 2E) = J1454-6816 (1RXS)
DD Cir    = Nova Cir 1999
TV Col    = GSC 7059.0509 = RBS 655
          = 0527-3251 (2A, 3A, CGS, 1E, 1ES, 2E, 1H)
          = J0529-3249 (1RXS)
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TX Col     = GSC 7601.1500 = USNO-A2.0 0450-02173249 = 0541-4103 (H, 1H)
UU Col     = Col 1 = USNO-A2.0 0525-02004826 = J0512-3241 (RX, 1RXS)
AL Com     = Nova Com 1961 = USNO-A2.0 0975-06981850
GO Com     = PB 3137 = SVS 382 = US 31 = USNO-A2.0 1125-06619416
GP Com     = EGGR 389 = G 61-29 = LTT 18284 = RBS 1213
           = 1303+1817 (2E, 1ES, WD) = J1305+1801 (1AXG, 1RXS)
IR Com     = Com 1 = S 10932 Com  = USNO-A2.0 1050-06758983
           = J1239+2108 (RX, 1RXS)
LM Com     = CBS 60 = Ton 617 = USNO-A2.0 1200-06896492
           = 1224+3055 (PG, WD)
V394 CrA   = Nova CrA (1949, 1987)
V691 CrA   = Sgr X-1 = Sco XR-6
           = 1822-3708 (2A, 3A, CGS, H, 1H, 1M, 2S, 3U, 4U)
           = J1825-3706 (1RXS)
UW CrB     = 1603+2600 (1E, 2E, MS)
VW CrB     = Antipin V21 = CrB 1 = USNO-A2.0 1200-07718962 = Var 21 CrB
TV Crv     = Crv 1 = Nova Crv 1931 = USNO-A2.0 0675-12002236
TW Crv     = GSC 6097.0879 = USNO-A2.0 0675-11833064 = 1157-1845 (EC)
TT Crt     = USNO-A2.0 0750-07593808
TU Crt     = J 05.23 = object No. 23 on plate J 05 of the Cerro-Calan-
             Survey = USNO-A2.0 0675-11325768 = J1103-2137 (CTCV)
AP Cru     = Nova Cru 1935 = Nova Cru 1936
CP Cru     = Nova Cru 1996
SS Cyg     = BD +42 4189a = GSC 3196.0723 = HD 206697 = HV 84
           = USNO-A2.0 1275-16332748
           = 2140+4321 (3A, CGS, 1E, 2E, H, 1H, KPD)
           = J2142+4335 (EUVE, 2EUVE, RE, 2RE)
EM Cyg     = GSC 2655.3329 = USNO-A2.0 1200-12416691
           = 1936+3023 (2E) = J1938+3030 (1RXS)
EY Cyg     = USNO-A2.0 1200-13727566
V404 Cyg   = Nova Cyg (1938, 1956, 1989) = 2022+3342 (GS)
V503 Cyg   = S 4524 Cyg = USNO-A2.0 1275-13933042
V550 Cyg   = S 3847 Cyg
V630 Cyg   = S 4556 Cyg
V751 Cyg   = Lk HA 170 = SVS 1202 = USNO-A2.0 1275-14251828
           = J2052+4419 (RX)
V1028 Cyg  = S 7854 Cyg = USNO-A2.0 1425-10203189
V1113 Cyg  = S 9382 Cyg = USNO-A2.0 1425-09649928
V1341 Cyg  = Cyg X-2 = USNO-A2.0 1275-16401789
           = 2142+3805 (2A, 3A, CGS, H, 1H, 1M, 2U, 3U, 4U)
V1500 Cyg  = Nova Cyg 1975 = J2111+4809 (RX)
V1504 Cyg  = CSV 4693 = SVS 710 = USNO-A2.0 1275-11491256
V1513 Cyg  = G 230-26 = GJ 781 = HIP 98906 = LFT 1521 = LHS 482
           = LTT 15889 = J2005+5426 (EUVE, 1RXS)
V1668 Cyg  = Nova Cyg 1978
V1727 Cyg  = 2129+4704 (3A, CGS, 1ES, 2E, 1H, 1M, 3U, 4U)
V1776 Cyg  = Lanning 90 = USNO-A2.0 1350-12218738
V1974 Cyg  = Nova Cyg 1992 = USNO-A2.0 1425-10809519
           = J2030+5237 (EUVE, 2EUVE, RX, XUV)
V2069 Cyg  = Cyg 6 = USNO-A2.0 1275-15554373 = J2123+4218 (RX)
V2176 Cyg  = USNO-A1.0 1425-09823278 = USNO-A2.0 1425-09702479
V2214 Cyg  = USNO-A2.0 1125-13015770 = 1930+2752 (KPD)
V2274 Cyg  = Nova Cyg 2001#1
CM Del     = USNO-A2.0 1050-17580956
EZ Del     = S 4505 Del = USNO-A2.0 1050-17606019
HO Del     = S 10066 Del = USNO-A2.0 0975-19307268
HR Del     = GSC 1642.0998 = HIP 102190 = Nova Del 1967
           = 2040+1858 (IRAS)
AA Dor     = CPD -69 389 = GSC 9166.0716 =  HDE 269696 = LB 3459
           = USNO-A2.0 0150-03205799
YY Dra    -> DO Dra
AB Dra     = GSC 4588.1570 = USNO-A2.0 1650-02196617
           = 1951+7736 (2E) = J1949+7744 (1RXS)
CG Dra     = S 9370 Dra = USNO-A2.0 1425-09486239
CQ Dra bc  = 4 Dra bc (-> 4 Dra)
DM Dra     = SVS 2426 = USNO-A2.0 1425-08326626 = 1533+5958 (SBS)
DO Dra     = FBS B888 = RBS 1022 = SVS 504 = USNO-A2.0 1575-03191958
           = 1140+7157 (2A, 3A, 1E, 1ES, 2E, FBS, MS, PG)
           = J1143+7141 (1RXS), occasionally also referred to as YY Dra
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EP Dra     = Dra 4 = USNO-A2.0 1575-04110989
           = 1907+6903 (2A, 2E, H, 1H, 2H, 4U?)
ES Dra     = Dra 3 = GSC 4181.0930 = USNO-A2.0 1500-05921829
           = 1524+6211 (PG)
EX Dra     = Dra 5 = GSC 4429.1070 = USNO-A2.0 1575-03902709
           = 1804+6753 (1E, 2E, HS, KUV, MS)
IX Dra     = Dra 6 = USNO-A2.0 1500-06451198 = 1812+6704 (KUV)
KL Dra     = SN 1998di (is not a SN but a CV)
KV Dra     = FBS B721 = USNO-A2.0 1500-05846206
           = 1449+6415 (FBS, HS) = J1450+6403 (RX, 1RXS)
XZ Eri     = HV 6276 = USNO-A2.0 0675-01471080
AH Eri     = HV 6292 = USNO-A2.0 0750-00977203
AQ Eri     = USNO-A2.0 0825-01311659 = J0506-0408 (RX)
CP Eri     = PHL 1475 = USNO-A2.0 0750-00707021
EF Eri     = GSC 6439.0120 = RBS 398
           = 0312-2246 (2A, 3A, CGS, EC, 1ES, 2E, 1H)
           = J0314-2235 (EUVE, 2EUVE, RE, 2RE, RX, 1RXS, XUV)
HY Eri     = J0501-0359 (RE, RX, 1RXS)
UZ For     = USNO-A2.0 0600-01417721 = 0333-2554 (EXO)
           = J0335-2544 (EUVE, 2EUVE, RX, WGA, XUV)
VY For     = For 1 = PHL 4452 = USNO-A2.0 0600-01396842
           = 0329-2607 (EXO)
U  Gem     = BD +22 1807 = GSC 1375.0755 = HD 64511
           = USNO-A2.0 1050-05472187 = 0752+2208 (1E, 2E, H)
           = J0755+2200 (1AXG)
UV Gem     = USNO A2.0 1050-04003026
AW Gem     = Nova Gem 1933
DM Gem     = HD 48328 = Nova Gem 1903#1 = USNO-A2.0 1125-04445570
DN Gem     = HD 50480 = Nova Gem 1912 = USNO-A2.0 1200-05245892
IR Gem     = S 5423 Gem = USNO-A2.0 1125-04523726
PQ Gem     = GSC 0791.0486 = USNO-A2.0 0975-05532070
           = J0751+1444 (1AXG, EUVE, 2EUVE, RE, 2RE, RX, WGA, XUV)
RZ Gru     = GSC 8010.0064 = S 5150 Gru = USNO-A2.0 0450-40367653
CE Gru     = Gru 2 = Gru V1 = USNO-A2.0 0450-39816849
CF Gru     = Gru 3 = USNO-A2.0 0375-39562767 = 2138-4518
CI Gru     = Gru 1 = Hawkins V6 = USNO-A2.0 0450-39773299
AH Her     = GSC 2049.1115 = SVS 32 = USNO-A2.0 1125-07782854
           = 1642+2520 (2E, PG)
AM Her     = GSC 3533.1105 = USNO-A2.0 1350-09581530
           = 1814+4950 (2A, 3A, CGS, 1E, 1ES, 2E, H, 1H, 1M, 3U, 4U)
           = J1816+4952 (EUVE, 2EUVE, RX, 1RXS, WGA, XUV)
DQ Her     = Nova Her 1934 = USNO-A2.0 1350-09507821
V446 Her   = Nova Her 1960 = USNO-A2.0 0975-13700591
V478 Her   = S 4133 Her = USNO-A2.0 1125-08186226
V533 Her   = GSC 3111.1979 = Nova Her 1963 = USNO-A2.0 1275-09861364
V544 Her   = S 7989 Her = USNO-A2.0 0975-08451887
V589 Her   = S 10296 Her = USNO-A2.0 1050-07904643
V592 Her   = Nova Her 1968, 1986, 1998
           = S 10376 Her
V660 Her   = SVS 2120 = USNO-A2.0 1125-08500001 = J1742+2348 (1RXS)
V795 Her   = FBS B595 =  GSC 2595.0676 = SVS 2613
           = USNO-A2.0 1200-08261501 = 1711+3334 (FBS, PG)
V825 Her   = GSC 3081.0053 = USNO-A2.0 1275-09290751 = 1717+4118 (PG)
V838 Her   = Nova Her 1991
V844 Her   = Antipin V43 = USNO-A2.0 1275-08931436 = Var 43 Her
V849 Her   = Her 2 = USNO-A2.0 0975-08426428 = 1633+1130 (PG)
V884 Her   = Her 5 = USNO-A2.0 1050-09570103
           = J1802+1804 (1AXG, EUVE, RX, 1RXS, WGA)
V1007 Her  = RBS 1646 = S 10946 Her = USNO-A2.0 1275-09339023
           = J1724+4114 (RX, 1RXS)
WW Hor     = USNO-A2.0 0375-00830621 = 0234-5232 (EXO)
CT Hya     = USNO-A2.0 0900-06180112
EX Hya     = GSC 6709.0694 = HV 10215 = RBS 1173
           = USNO-A2.0 0600-15217174
           = 1249-2858 (2A, 3A, CGS, EC, EXO, 1ES, 2E, 1H, 1M, 3U, 4U)
           = J1252-2914 (EUVE, 2EUVE, RE, 2RE, RX, 1RXS, XUV)
LY Hya     = Hya 2 = USNO-A2.0 0600-15794581 = 1329-2925 (CTCV, EC, PG)
MM Hya     = GSC 4891.0637 = Hya 1 = USNO-A2.0 0825-06779124
           = 0911-0635 (PG)
MN Hya     = Hya 4 = USNO-A2.0 0600-12417734 = J0929-2404 (RX, 1RXS)
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VW Hyi    = GSC 9156.1776 = HV 8028 = RBS 512 = USNO-A2.0 0150-01666314
          = 0409-7125 (2E)
          = J0409-7117 (EUVE, 2EUVE, RE, 2RE, 1RXS)
WX Hyi    = GSC 8854.0927 = HV 8016 = RBS 288 = USNO-A2.0 0225-00546838
          = 0208-6332 (2E) = J0209-6818 (1RXS)
BL Hyi    = RBS 232 = USNO-A2.0 0150-01107573
          = 0139-6808 (3A, EC, 1ES, 2E, H, 1H)
          = J0141-6753 (EUVE, RE, 2RE, RX, 1RXS, WGA, XUV)
CV Hyi    = RBS 213 = USNO-A2.0 0225-00401739
          = J0132-6554 (RE, RX, 1RXS)
CD Ind    = Ind 1 = RBS 1735 = USNO-A2.0 0300-37114801
          = J2115-5840 (EUVE, 2EUVE, RX, 1RXS)
DI Lac    = HD 214239 = Nova Lac 1910 = USNO-A2.0 1425-13714796
          = 2233+5227 (KPD)
T  Leo    = BD +4 2506a = RBS 1008 = USNO-A2.0 0900-06972265
          = 1135+0338 (PG) = J1138+0322 (1RXS)
U  Leo    = BD +14 2239 = Nova Leo 1855 = USNO-A2.0 0975-06484147
X  Leo    = USNO-A2.0 0975-06349536
RZ Leo    = Nova Leo 1918 = USNO-A2.0 0900-06968536
DO Leo    = LB 10702 = USNO-A2.0 1050-06335317 = 1038+1527 (PG)
DP Leo    = USNO-A2.0 1050-06466903 = 1114+1814 (EXO, 1E, 2E, MS)
          = J1117+1757 (RX, 1RXS, WGA, XUV)
GG Leo    = RBS 842 = USNO-A2.0 0975 06450035
          = J1015+0904 (RX, 1RXS, XUV)
RU LMi    = CBS 119 = Ton 1143 = USNO-A2.0 1200-06438260
RZ LMi    = CBS 111 = GSC 2505.0583 = SVS 2543 = Ton 1107
          = USNO-A2.0 1200-06403392 = 0948+3421 (KUV, PG)
ST LMi    = USNO-A2.0 1125-06242754 = 1102+2522 (CW)
SX LMi    = CBS 31 = Ton 45 = USNO-A2.0 1200-06609002
WX LMi    = USNO-A2.0 1275-07720606 = 1023+3900 (HS)
GW Lib    = Nova Lib 1983 = USNO-A2.0 0600-17903832
HP Lib    = GSC 5608.1089 = Lib 5 = USNO-A2.0 0750-09057165
          = 1533-1403 (EC)
BR Lup    = HV 4889
IL Lup    = 1543-4730 (1A, EXO, 1M, 2U, 3U, 4U)
BH Lyn    = SVS 2865 = USNO-A2.0 1350-07369248 = 0818+5115 (PG, SBS)
BK Lyn    = CBS 96 = FBS B494 = GSC 2496.0921 = Ton 1051
          = USNO-A2.0 1200-06283795 = 0917+3409 (FBS, PG)
BP Lyn    = FBS B258 = GSC 2986.1825 = KUV 345-57 = Lyn 1
          = USNO-A2.0 1275-07432546 = 0859+4129 (FBS, KUV, PG)
DN Lyn    = GSC 3409.2341 = Tmz V81 = USNO-A2.0 1350-07133477
          = 0728+4739 (HS, IRAS)
AY Lyr    = USNO-A2.0 1275-10304294
CY Lyr    = USNO-A2.0 1125-10620888
DM Lyr    = Nova Lyr 1928 = USNO-A2.0 1200-10197946
LL Lyr    = S 3808 Lyr = USNO-A2.0 1275-10154193
MV Lyr    = Mac R +43 1 = SVS 1021 = USNO-A2.0 1275-10792753
          = 1905+4356 (2E, H) = J1907+4401 (1RXS)
V344 Lyr  = S 9329 Lyr
V419 Lyr  = SVS 1584
V477 Lyr  = central star of the planetary nebula Abell 46 = NSV 10973
          = USNO-A2.0 1125-09693008
TU Men    = S 6732 Men = USNO-A2.0 0075-00768759
AH Men    = GSC 9391.0179 = Men 1 = USNO-A2.0 0075-01129250
          = 0616-8148 (EC, H, 1H)
BT Mon    = Nova Mon 1939 = USNO-A2.0 0825-03048036
CW Mon    = USNO-A2.0 0900-03178341
V616 Mon  = Mon X-1 = Nova Mon 1917, 1975 = USNO-A2.0 0825-02326455
          = 0620-0019 (1A, 3A, CGS, 1M, 2S, 4U)
V651 Mon  = central star of the planetary nebula NGC 2346
          = AGK3 -0 965 = HD 293373 = HIP 34541 = 0706-0043 (IRAS)
GQ Mus    = Nova Mus 1983
GR Mus    = 1254-6901 (3A, CGS, 1ES, 2E, H, 1H, 1M, 2S, 3U, 4U)
          = 1257-6917 (1RXS)
GU Mus    = Nova Mus 1991 = 1124-6824 (GS, GRS)
          = J1126-6840 (2RE, 1RXS)
LZ Mus    = Nova Mus 1998
AB Nor    = HV 4908
QX Nor    = GX 331-1  = 1608-5217 (CGS, 1ES, H, 1H, 1M, 2S, 4U)
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V381 Nor  = J1550-5628 (XTE)
AO Oct    = S 7103 Oct
BE Oct    = S 6633 Oct = USNO-A2.0 0075-00002145
V380 Oph  = USNO-A2.0 0900-10672793
V426 Oph  = GSC 0443.1459 = SVS 83 = USNO-A2.0 0900-11675451
          = J1807+0551 (1AXG)
V442 Oph  = GSC 6235.0371 = SVS 337 = USNO-A2.0 0675-19980286
V841 Oph  = BD -12 4633 = GSC 5651.1540 = Nova Oph 1848
          = USNO-A2.0 0750-10239160 = 1656-1248 (2E)
V849 Oph  = HD 167276 = HV 3520 = Nova Oph 1919
          = USNO-A2.0 0975-10853712
V2051 Oph = USNO-A2.0 0600-24362115
V2107 Oph = Nova Oph 1977 = 1705-2501 (3A, H, 1H)
          = J1708-2505 (1RXS)
V2134 Oph = 1658-2952 (3A, CGS, H, 1H, MXB, 4U)
V2214 Oph = Nova Oph 1988
V2216 Oph = GX 9+9 = Oph X-1 (obsolte)
          = 1728-1655 (3A, CGS, 1ES, H, 1H, 1M, 2S, 2U, 3U, 4U)
V2293 Oph = Nova Oph 1993 = J1719-2501 (GRO, GRS)
V2301 Oph = Oph 1 = USNO-A2.0 0975-10194043 = 1758+0810 (H, 1H)
V2400 Oph = Oph 3 = USNO-A2.0 0600-25058849 = J1712-2414 (RX)
CN Ori    = GSC 4476.0509 = USNO-A2.0 0825-01724700 = J0552-0525 (RX)
CZ Ori    = USNO-A2.0 1050-03255349
V1055 Ori = USNO-A2.0 0975-02882242
          = 0614+0909 (3A, CGS, H, 1H, 1M, 2S, 3U, 4U)
          = J0617+0908 (1RXS)
V1159 Ori = GSC 4757.1521 = NSV 2011 = USNO-A2.0 0825-01532060
          = J0528-0333 (RX, 1RXS)
V1193 Ori = GSC 4752.1172 = Hamuy's variable = USNO-A2.0 0825-01405960
V1309 Ori = Ori 1 = USNO-A2.0 0900-01480418 = J0515+0104 (RX, 1RXS)
BD Pav    = HV 10031 = Nova Pav 1934 = USNO-A2.0 0300-34777933
GS Pav    = S 7040 Pav = USNO-A2.0 0150-19347215
V345 Pav  = GSC 8786.1495 = USNO-A2.0 0300-35915166
          = 1931-5915 (EC, 1H)
V347 Pav  = Pav 2 = USNO-A2.0 0150-18634705
          = J1844-7418 (EUVE, 2EUVE, RE, 2RE, RX, 1RXS, WGA, XUV)
V349 Pav  = DR V221b = Drissen V211b = Pav 1 = USNO-A2.0 0225-30567412
          = V2008-6527 = V2009-65.5
V393 Pav  = Pav 4 = RBS 1664 = USNO-A2.0 0300-36236577
          = J1957-5738 (RX, 1RXS)
RU Peg    = GSC 1145.0536 = 2211+1227 (2E) = J2214+1242 (RX, 1RXS)
HX Peg    = EGGR 336 = GJ 2158 = GSC 1176.1589
          = USNO-A2.0 0975-21346343 = 2337+1221 (PG, WD)
IK Peg    = BD +18 4794 = GSC 1671.0710 = HD 204188 = HIP 105860
          = HR 8210 = SAO 107138 = USNO-A2.0 0150-19600672
          = 2124+1909 (WD)
          = J2126+1922 (EUVE, 2EUVE, RE, 2RE, RX, 1RXS)
IP Peg    = GSC 1716.1815 = SVS 2549 = USNO-A2.0 1050-20652854
          = 2320+1808 (FBS)
IR Peg    = USNO-A2.0 0900-19696718 = 2131+0637 (PG, WD)
LQ Peg    = GSC 1128.0538 = Peg 6 = USNO-A2.0 0975-20472447
          = 2133+1127 (PG)
LS Peg    = GSC 1134.0745 = NSV 13903 = Peg 2 = S 193
          = USNO-A2.0 0975-20642251
MS Peg    = EGGR 232 = GD 245 = GSC 2238.0737 = USNO-A2.0 1125-19596388
          = 2256+2459 (KUV, WD)
V369 Peg  = NSV 26006 = USNO-A2.0 1050-20546781 = 2301+1701 (KUV)
V  Per    = BD +56 406a = HD 12244 = HV 6 = Nova Per 1887
          = USNO-A2.0 1425-02812180
TZ Per    = GSC 3698.3115 = USNO-A2.0 1425-03116831
UV Per    = USNO-A2.0 1425-03022930
FY Per    = GSC 3355.0750 = USNO-A2.0 1350-04797648
GK Per    = BD +43 740a = GSC 2874.0922 = HD 21629 = Nova Per 1901
          = 0327+4343 (1A, 3A, CGS, 2E, KPD)
KT Per    = USNO-A2.0 1350-01534661 = 0134+5042 (2E)
          = J0137+5057 (1RXS)
PU Per    = S 9727 Per = USNO-A2.0 1200-01165067
PV Per    = S 9728 Per = USNO-A2.0 1275-01687112
PY Per    = S 9160 Per = USNO-A2.0 1275-01784070
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QY Per    = S 9178 Per
V518 Per  = Nova Per (1992, 1993) = 0418+3247 (GRS) = J0421+3254 (GRO)
CM Phe    = JL 181 = Phe 1 = USNO-A2.0 0375-00108185
          = J0021-5142 (CTCV)
RR Pic    = GSC 8899.1342 = HIP 31481 = Nova Pic 1925 = 0635-6235 (2E)
          = J0635-6238 (1RXS)
TW Pic    = GSC 8527.0653 = RBS 664 = USNO-A2.0 0300-01781330
          = 0534-5803 (EC, 1ES, 2E, H, 1H) = J0534-5801 (1RXS)
UW Pic    = Pic 1 = RBS 658 = USNO-A2.0 0375-01996415
          = J0531-4624 (RE, 2RE, RX, 1RXS)
TY Psc    = S 10900 Psc = USNO-A2.0 1200-00590498
AO Psc    = GSC 5238.0223 = RBS 1914 = USNO-A2.0 0825-19811517
          = 2252-0326 (3A, CGS, 2E, H, 1H)
          = J2255-0310 (1AXG, 1RXS)
AY Psc    = NSV 564 = PHL 1065 = USNO-A2.0 0900-00380276
          = 0134+0701 (PG)
TY PsA    = BV 981 = NSV 14328 = PS 74 = RBS 1900
          = USNO-A2.0 0600-44298517
UY Pup    = USNO-A2.0 0750-05134534
VV Pup    = USNO-A2.0 0675-08656079 = 0812-1854 (1E, 2E, 1ES)
          = J0815-1903 (RE, 2RE, RX, 1RXS, WGA, XUV)
BV Pup    = USNO-A2.0 0600-07740843
BX Pup    = USNO-A2.0 0600-08118692
CP Pup    = Nova Pup 1942 = USNO-A2.0 0525-07738187 = 0809-3512 (2E)
DY Pup    = HV 3600 = Nova Pup 1902 = USNO-A2.0 0600-09533862
HZ Pup    = Nova Pup 1963#1 = S 8438 Pup = USNO-A2.0 0600-08797320
V347 Pup  = GSC 8105.1618 = LB 1800  = Pup 2 = USNO-A2.0 0375-02359182
          = 0609-4844 (4U)
V348 Pup  = Pup 1 = USNO-A2.0 0525-04340304
          = 0710-3600 (2A, H, 1H, 1M, 3U, 4U)
V351 Pup  = Nova Pup 1991
V516 Pup  = USNO-A2.0 0375-04666219 = J0803-4748 (RX, 1RXS)
T  Pyx    = HV 3348 = Nova Pyx (1890, 1902, 1920, 1944, 1966, 1967)
          = USNO-A2.0 0525-10863198 = 0902-3210 (1H)
VW Pyx    = central star of the planetary nebula K 1-2 = NSV 4326
          = 0855-2846 (IRAS)
VZ Pyx    = GSC 6589.0081 = Pyx 1 = USNO-A2.0 0600-11712070
          = 0857-2417 (H, 1H)
WX Pyx    = Pyx 2 = USNO-A2.0 0600-10679543 = 0830-2238 (1E)
V  Sge    = GSC 1643.1764 = USNO-A2.0 1050-17303878 = 2018+2056 (2E)
RZ Sge    = USNO-A2.0 1050-16212554
UU Sge    = central star of the planetary nebula Abell 63 = HV 5452
          = NSV 12320 = S 8314 Sge
WY Sge    = d'Agelet's nova of 1783 = Nova Sge 1783
          = USNO-A2.0 1050-14048324
WZ Sge    = EGGR 136 = HV 3518 = Nova Sge (1913, 1946, 1978, 2001)
          = Lanning 50 = 2005+1733 (2E, 1ES, WD)
AW Sge    = USNO-A2.0 1050-15879624
QR Sge    = central star of the planetary nebula M 1-67
          = GSC 1586.0411 = HIP 94289 = NSV 11797 = WR 124 = 209 BAC
          = 1909+1646 (IRAS)
GM Sgr   -> V4641 Sgr
V617 Sgr  = HV 7202 = WR 109
V630 Sgr  = HD 321353 = HDE 321353 = Nova Sgr 1936#4
          = USNO-A2.0 0525-32591726
V729 Sgr  = USNO-A2.0 0600-39884926
V909 Sgr  = Nova Sgr 1941
V1017 Sgr = HV 3519 = Nova Sgr 1919 = 1828-2925 (2E)
V1223 Sgr = USNO-A2.0 0525-38938531
          = 1851-3113 (3A, CGS, 1E, 1ES, 1H, 4U)
V3885 Sgr = CD -42 14462 = CPD -42 8912 = GSC 7941.0694 = HIP 97394
          = USNO-A2.0 0450-38150035 = 1944-4207 (EC, WD)
V4077 Sgr = Nova Sgr 1982
V4134 Sgr = GX -2.5 = Sco X-6
          = 1755-3348 (3A, CGS, 1ES, Ginga, H, 1H, 1M, 2S, 3U, 4U)
V4140 Sgr = NSV 12615 = S 7273 Sgr = USNO-A2.0 0450-38401030
V4580 Sgr = J1808-3658 (RXTE, SAX)
V4633 Sgr = Nova Sgr 1998
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V4634 Sgr = NSV 24453 = 1826-2349 (GS) = J1829-2347 (RX, 1RXS)
V4641 Sgr = GSC 6848.3786 = USNO-A1.0 0600-16547317
          = J1819-2524 (RXTE, SAX), sometimes erroneously referred to
            as GM Sgr
V4738 Sgr = RBS 1678 = USNO-A2.0 0450-38841007 = J2022-3953 (RX, 1RXS)
U  Sco    = BD -17 4554
          = Nova Sco (1863, 1906, 1936, 1945, 1979, 1987, 1999)
MM Sco    = HV 6553 = USNO-A2.0 0450-28259213
V697 Sco  = Nova Sco 1941
V818 Sco  = GSC 6202.0919 = Sco X-1 = USNO-A2.0 0675-15585017
          = 1617-1531 (2A, 3A, CGS, H, 1H, 1M, 3U, 4U)
          = J1619-1538 (EUVE, 2EUVE, RE, 2RE)
V893 Sco  = SVS 1772 = USNO-A1.0 0600-11409621
          = USNO-A2.0 0600-20045640 = J1615-2837 (1RXS)
V926 Sco  = GX 346-7 = Sco XR-3 = USNO-A2.0 0450-29236960
          = 1735-4425 (3A, CGS, 1ES, H, 1H, 1M, MXB, 2S, 3U, 4U)
          = J1738-4427 (1RXS)
V992 Sco  = Nova Sco 1992 = USNO-A2.0 0450-26500263
V1033 Sco = Nova Sco 1994 = USNO-A2.0 0450-25921220 = J1654-3950 (GRO)
V1101 Sco = GX -10.7 = GX 349+2 = Sco X-2 = Sco XR-2
          = 1702-3621 (3A, CGS, EXO, H, 1H, 1M, 2S, 3U, 4U)
          = J1705-3625 (1RXS)
VY Scl    = GD 1662 = GSC 6986.0765 = PHL 538 = PS 141
          = USNO-A2.0 0600-44587161 = 2326-3003 (EC, 2E)
VZ Scl    = Ton S 120 = USNO-A2.0 0600-44740845 = 2347-2639 (EC)
BW Scl    = USNO-A2.0 0450-40779854 = 2350-3908 (HE, MCT)
          = J2353-3851 (RX, 1RXS)
X  Ser    = GSC 5038.0320 = HV 3137 = Nova Ser 1903
          = USNO-A2.0 0825-09269229
UZ Ser    = USNO-A2.0 0750-12784351
CT Ser    = Nova Ser 1948 = USNO-A2.0 0975-07968400 = 1543+1431 (PG)
LX Ser    = GSC 1497.0750 = Stepanian's object = SVS 2354
          = USNO-A2.0 1050-07571337
MM Ser    = GX +36.3 = Ser X-1 = Ser XR-1
          = 1837+0459 (3A, CGS, H, 1H, 1M, MXB, 2S, 2U, 3U, 4U)
          = J1839+0502 (1RXS)
MR Ser    = USNO-A2.0 1050-07670226 = 1550+1905 (1ES, EXO, PG)
MT Ser    = central star of the planetary nebula Abell 41 = NSV 8841
          = 1726-1510 (IRAS)
NN Ser    = USNO-A2.0 0975-08026398 = 1550+1303 (PG)
NP Ser    = incorrect optical identification of the X-ray source
         -> 1813-1403
NY Ser    = HV 10444 = NSV 6990 = Ser 1 = USNO-A2.0 1125-07197005
          = 1510+2326 (PG)
QW Ser    = Tmz V46 = USNO-A1.0 0975-07935332 = USNO-A2.0 0975-07829422
QZ Ser    = Had V4 = USNO-A2.0 1050-07701593
RW Sex    = BD -7 3007 = GSC 5490.0556 = HIP 50581
          = USNO-A2.0 0750-07214566 = 1017-0826 (2E, EC, WD)
          = J1019-0841 (RX, 1RXS)
SW Sex    = GSC 4907.0182 = USNO-A2.0 0825-07139947 = 1012-0253 (PG)
UZ Sex    = GJ 3605 = GSC 4905.0370 = USNO-A2.0 0825-07211912
          = 1026+0014 (HE, PG, WD)
V471 Tau  = BD +16 516 = G 7-23 = GSC 1252.0212 = HIP 17962
          = USNO-A2.0 1050-01044265 = 0347+1705 (1E, 1ES, 2E, WD)
          = J0350+1714 (EUVE, 2EUVE, RE, 2RE, RX, 1RXS, WGA, XUV)
V701 Tau  = SVS 1972
V1062 Tau = Tau 1 = USNO-A2.0 1125-02004889 = 0459+2141 (2E, H, 1H)
V1208 Tau = Tau 3 = USNO-A2.0 1050-01567769 = J0459+1926 (RX)
KK Tel    = S 6888 Tel = USNO-A2.0 0375-38820307
QS Tel    = USNO-A2.0 0375-37973205
          = J1938-4612 (CTCV, EUVE, 2EUVE, RE, 2RE, RX, 1RXS, WGA, XUV)
RW Tri    = GSC 1774.0214 = USNO-A2.0 1125-00775803
TW Tri    = EGGR 292 = GSC 2297.0187 = SVS 2288
          = USNO-A2.0 1200-00670068
UW Tri    = Nova Tri 1983 = SVS 2558
WY Tri    = S 10919 Tri = USNO-A2.0 1200-01028279
AI Tri    = RBS 274 = USNO-A2.0 1125-00663858
          = J0203+2959 (RX, 1RXS)
EK TrA    = S 5005 TrA
KZ TrA    = USNO-A2.0 0225-25605343
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          = 1627-6721 (2A, 3A, CGS, H, 1H, 1M, 2S, 3U, 4U)
          = J1632-6727 (1RXS)
LU TrA    = Nor XR-2 = 1556-6035 (3A, CGS, H, 1H, 1M, 2S, 2U, 3U, 4U)
CP Tuc    = Tuc 2 = USNO-A2.0 0300-37918369 = J2315-5910 (AX)
SU UMa    = FBS B662 = GSC 4129.0138 = RBS 694
          = USNO-A2.0 1500-04996346
          = 0808+6245 (1E, 1ES, 2E, FBS, 1H, PG)
          = J0812+6236 (RX, 1RXS)
SW UMa    = RBS 710 = USNO-A2.0 1425-07186488 = 0832+5339 (SBS)
          = J0836+5328 (1RXS)
UX UMa    = GSC 3469.1302 = SVS 365 = USNO-A2.0 1350-08303671
AN UMa    = RBS 938 = S 7738 UMa = USNO-A2.0 1350-07885288
          = 1101+4519 (2E, EXO, PG)
          = J1104+4503 (EUVE, 2EUVE, RE, 2RE, RX, 1RXS, WGA, XUV)
AR UMa    = CSO 1153 = S 7744 UMa = USNO-A2.0 1275-07883451
          = 1112+4314 (1ES, H) = J1115+4258 (ALEXIS, RX, XUV)
BC UMa    = USNO-A2.0 1350-08018313
BE UMa    = SVS 1424 = USNO-A2.0 1350-08033471
          = 1155+4913 (SBSS, PG)
          = central star of the planetary nebula Tweedy 1
BZ UMa    = RBS 728 = SVS 1719 = USNO-A2.0 1425-07238187
          = 0849+5800 (PG, SBS, WD) = J0853+5748 (1RXS)
CH UMa    = FBS B789 = GSC 4383.2019 = SVS 1851
          = USNO-A2.0 1575-03044570 = 1003+6747 (1E, 1ES, 2E, FBS, PG)
CI UMa    = FBS B882 = SVS 1755 = USNO-A2.0 1575-03061547
          = 1014+7210 (FBS)
CY UMa    = SVS 2198 = USNO-A2.0 1350-07862611 = 1054+4957 (2E, SBS)
          = J1056+4941 (1RXS)
DI UMa    = NSV 4407 = S 5305 UMa = USNO-A2.0 1350-07549201
DV UMa    = US 943 = USNO-A2.0 1275-07584869
DW UMa    = GSC 3822.0464 = USNO-A2.0 1425-07514986
          = 1030+5902 (FBS, PG, SBS)
EG UMa    = C 1 = Case 1 = EGGR 87 = GJ 459.1 = GSC 3834.0241
          = SVS 2817 = USNO-A2.0 1425-07788231 = 1213+5247 (SBS, WD)
EI UMa    = GSC 3419.0098 = RBS 713 = USNO-A2.0 1350-07431333
          = 0834+4848 (1H, PG) = J0838+4838 (1RXS)
EK UMa    = RBS 911 = USNO-A2.0 1425-07565259
          = 1048+5420 (1E, 2E, 1H, MS)
          = J1051+5404 (EUVE, 2EUVE, RE, 2RE, RX, 1RXS, WGA, XUV)
ER UMa    = GSC 3439.0550 = UMa 1 = USNO-A2.0 1350-07655993
          = 0943+5207 (PG, SBS)
EU UMa    = RBS 1039 = US 3019 = USNO-A2.0 1125-06391488
          = J1149+2845 (EUVE, 2EUVE, RE, 2RE, RX, 1RXS, XUV)
EV UMa    = RBS 1219 = J1307+5351 (RE, 2RE, RX, 1RXS)
FH UMa    = RBS 904 = UMa 9 = J1047+6335 (RX, 1RXS, WGA, 1WGA)
IY UMa    = Tmz V85 = USNO-A1.0 1425-07642945 =  USNO-A2.0 1425-07542823
KS UMa    = USNO-A2.0 1425-07480336 = 1017+5319 (SBS)
          = J1020+5304 (RX, 1RXS)
KV UMa    = USNO-A2.0 1350-07924276 = J1118+4808 (XTE)
RW UMi    = Nova UMi 1956 = SVS 1359
SS UMi    = FBS B904 = USNO-A2.0 1575-03583454
          = 1551+7155 (E, 1E, FBS, PG)
CU Vel    = HV 8171 = S 4907 Vel = USNO-A2.0 0450-07914422
IX Vel    = CD -48 3636 = CPD -48 1577 = GSC 8157.0627 = HIP 40430
          = SAO 219684 = USNO-A2.0 0375-05171094
          = J0815-4913 (EUVE, 2EUVE, RE, 2RE)
KO Vel    = USNO-A2.0 0375-10655321 = 1013-4743 (1E, 2E, H)
          = J1015-4758 (1RXS)
KV Vel    = central star of the planetary nebula PK 283 +9.1
          = CD -48 6027 = CPD -48 3606 =  GSC 8207.2114 = LSS 2018
          = USNO-A2.0 0375-12472040 = 1052-4831 (IRAS)
MM Vel    = Nova Vel 1993 = 1011-4449 (GRS)
MR Vel    = USNO-A2.0 0375-07871027 = J0925-4758 (RX)
V381 Vel  = USNO-A2.0 0450-11074610 = J1016-4103 (RX, 1RXS)
V382 Vel  = Nova Vel 1999 = USNO-A2.0 0375-12052050
TW Vir    = USNO-A2.0 0825-07547424 = 1142-0409 (2E, PG)
          = J1145-0426 (1RXS)
GK Vir    = USNO-A2.0 0900-07624036 = 1413+0131 (PG, WD)
HS Vir    = GSC 5546.0431 = USNO-A2.0 0750-08224965 = 1341-0759 (PG)
HV Vir    = Nova Vir 1929 = NSV 6201 = USNO-A2.0 0900-07368877
```

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HW Vir    = BD -7 3477 =  GSC 5528.0629 = HIP 62157
          = USNO-A2.0 0750-07937334 = 1241-0823 (PG)
NY Vir    = GSC 4966.0491 = USNO-A2.0 0825-08062481 = 1336-0146 (PG)
OU Vir    = USNO-A2.0 0825-08375469 = Vir 4 = 1432-0033 (LBQS)
UY Vol    = 0748-6737 (EXO, 2E) = J0748-6745 (1RXS)
VW Vul    = USNO-A2.0 1125-17520116
PW Vul    = Nova Vul 1984#1 = USNO-A2.0 1125-12609819
QQ Vul    = USNO-A2.0 1125-15066679 = 2003+2231 (1E, 2E, EXO, H)
          = J2005+2240 (EUVE, 2EUVE, RE, 2RE, RX, 1RXS, WGA, XUV)
QU Vul    = Nova Vul 1984#2
QZ Vul    = Nova Vul 1988 = 2000+2505 (ASM, GS)
V405 Vul  = S 10943 Vul = USNO-A2.0 1050-15420156 = J1953+2114 (RX)
V406 Vul  = J1858+2239 (RXTE)
V407 Vul  = J1914+2456 (RX, 1RXS)
```

## Part II: Provisional Designations Involving Constellation Names

```
And 1    -> PX And
Aqr 5    -> J2316-0527
Aql 1    -> V1432 Aql
Aur 1    -> V405 Aur
Cae 1    -> RS Cae
Car 1    -> V436 Car
Cas 1    -> V664 Cas
Cas 2    -> V709 Cas
Cen 2    -> V895 Cen
Cen 3    -> V1033 Cen
Cep 1    -> GD 552
Cet 3    -> 0158-0939
Cet 4    -> BO Cet
Cir 1    -> BZ Cir
Col 1    -> UU Col
Com 1    -> IR Com
CrB 1    -> VW CrB
Crv 1    -> TV Crv
Cyg 2    -> 1933+5100
Cyg 6    -> V2069 Cyg
Dra 3    -> ES Dra
Dra 4    -> EP Dra
Dra 5    -> EX Dra
Dra 6    -> IX Dra
For 1    -> VY For
Gru 1    -> CI Gru
Gru 2    -> CE Gru
Gru 3    -> CF Gru
Her 2    -> V849 Her
Her 5    -> V884 Her
Hya 1    -> MM Hya
Hya 2    -> LY Hya
Hya 4    -> MN Hya
Ind 1    -> CD Ind
Leo 2    -> 1114+1842
Leo 7    =  USNO-A2.0 0900-06464240 = 0935+0728 (PG)
Lib 5    -> HP Lib
Lyn 1    -> BP Lyn
Men 1    -> AH Men
Oph 1    -> V2301 Oph
Oph 3    -> V2400 Oph
Ori 1    -> V1309 Ori
Pav 1    -> V349 Pav
Pav 2    -> V347 Pav
Pav 4    -> V393 Pav
Peg 2    -> LS Peg
Peg 6    -> LQ Peg
Phe 1    -> CM Phe
Pic 1    -> UW Pic
Pup 1    -> V348 Pup
Pup 2    -> V347 Pup
Pyx 1    -> VZ Pyx
Pyx 2    -> WX Pyx
Ser 1    -> NY Ser
Tau 1    -> V1062 Tau
Tau 2    =  0357+0614 (KUV)
Tau 3    -> V1208 Tau
Tuc 1    -> NGC 104-CV1
Tuc 2    -> CP Tuc
UMa 1    -> ER UMa
UMa 5    -> 1045+5234
UMa 6    -> 0928+5004
UMa 7    -> 1000+6643
UMa 9    -> FH UMa
Vir 4    -> OU Vir
```

## Part III: Other Names in Alphabetical Order

```
A 9                 -> AKO 9
Abell 41            =  PK 9 +10.1 = PN G009.6+10.5,
                       planetary nebula, central star -> MT Ser
Abell 46            =  PK 55 +16.1 = PN G055.4+16.0,
                       planetary nebula, central star -> V477 Lyr
Abell 63            =  PK 53 -3.1 = PN G053.8-03.0,
                       planetary nebula, central star -> UU Sge
Abell 65            =  PK 17 -21.1 = PN G017.3-21.9,
                    =  GSC 6890.2790 = central star of the planetary
                       nebual Abell 65
AC 211              =  M15-X1 = NGC 7078-X1
                    =  X-ray binary in the globular cluster M 15
                    =  2127+1156 (2A, 3A, CGS, 1E, 1ES, EXO, Ginga,
                       1H, 1M, 2S, 3U, 4U)
                    =  J 2129+1210 (1RXS)
AE 1                -> V803 Cen
AGK3 +69 515        -> 4 Dra
AGK3 +30 554        -> T  Aur
AGK3 -0 965         -> V651 Mon
AKO 9               =  A9 = DPF 2059 = EGG V11 = FDP 2324
                    =  CV candidate in NGC 104
Antipin V21         -> VW CrB
Antipin V43         -> V844 Her
Antipin V62         -> V402 And
Antipin V64         -> FT Cam
Aql X-1             -> V1333 Aql
BD +70 700          -> 4 Dra
BD +56 406a         -> V  Per
BD +43 740a         -> GK Per
BD +42 4189a        -> SS Cyg
BD +30 923a         -> T  Aur
BD +22 3171         -> 1735+2210
BD +22 1807         -> U  Gem
BD +18 4794         -> IK Peg
BD +18 2101         -> SY Cnc
BD +16 516          -> V471 Tau
BD +14 341          -> TT Ari
BD +14 2239         -> U  Leo
BD +4 2506a         -> T  Leo
BD -3 5357          -> FF Aqr
BD -7 3007          -> RW Sex
BD -7 3477          -> HW Vir
BD -12 4633         -> V841 Oph
BD -17 4554         -> U  Sco
Bo 158              -> Bol 158
Bol 158             =  globular cluster in the M 31 = NGC 224 system,
                       X-ray source -> J0043+4107
BPM 6114            -> 0957-6639
BPM 6502            -> 1042-6902
BPM 31582           -> RR Cae
BPM 71214           =  GSC 5296.0200 = USNO-A2.0 0750-00784615
BPM 92172           -> 1713+3316
BPM 95701           -> 2033+1849
BV 416              -> WX Cet
BV 981              -> TY PsA
C 1                 -> EG UMa
CAL 30              -> LMC X-2
CAL 83              =  LHG 83 = USNO-A2.0 0150-03591089
                    =  0543-6823 (1E, 1ES, 2E) = J0543-6822 (RX, 1RXS)
CAL 86              =  LHG 86 = USNO-A2.0 0150-03669168
                    =  0546-6836 (2E) = J0546-6835 (RX, 1RX)
CAL 87              =  LHG 87 = 0547-7109 (1E, 2E) = J0546-7108 (1RXS)
Case 1              -> EG UMa
CBS 1               -> 0849+3155
CBS 31              -> SX LMi
CBS 38              -> 1110+2924
CBS 39              -> 1116+3008
CBS 60              -> LM Com
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CBS 96                -> BK Lyn
CBS 111               -> RZ LMi
CBS 119               -> RU LMi
CBS 134               -> 1101+3626
CBS 160               -> UX CVn
CBS 188               -> 1428+3723
CBS 335               -> 1300+2756
CBS 354               -> AM CVn
CD -23 14565          -> HD 171858
CD -42 14462          -> V3885 Sgr
CD -44 2920           -> HD 49798
CD -48 3636           -> IX Vel
CD -48 6027           -> KV Vel
CD -67 1010           -> QU Car
CE 315                =  USNO-A2.0 0600-15494580 = WT 2014
Cen X-2?              -> BW Cir
Cen X-4               -> V822 Cen
Cen XR-2              -> WX Cen
central star of the planetary nebula Abell 41    -> MT Ser
central star of the planetary nebula Abell 46    -> V477 Lyr
central star of the planetary nebula Abell 63    -> UU Sge
central star of the planetary nebula Abell 65    -> Abell 65
central star of the planetary nebula Hf 2-2      -> Hf 2-2
central star of the planetary nebula HFG 1       -> V664 Cas
central star of the planetary nebula HtTr 4      -> HtTr 4
central star of the planetary nebula K 1-2       -> VW Pyx
central star of the planetary nebula M 1-67      -> QR Sge
central star of the planetary nebula NGC 2346    -> V651 Mon
central star of the planetary nebula PK 283 +9.1 -> KV Vel
central star of the planetary nebula EGB 5       -> 0808+1106
central star of the planetary nebula Sp 1        -> Sp 1
CPD -69 389           -> AA Dor
CPD -67 1645          -> QU Car
CPD -48 1577          -> IX Vel
CPD -48 3606          -> KV Vel
CPD -44 1096          -> HD 49798
CPD -42 8912          -> V3885 Sgr
CPD -23 7164          -> HD 171858
CSO 1153              -> AR UMa
CSV 4693              -> V1504 Cyg
CSV 7612              -> V877 Ara
CV in M 67            -> EU Cnc
CV 496-083            =  SDSS CV candidate 496-083
Cyg X-2               -> V1341 Cyg
d'Agelet's nova of 1783 -> WY Sge
DPF 2059              -> AKO 9
DR V211b              -> V349 Pav
Drissen V211b         -> V349 Pav
DS 1                  -> PK 283 +9.1, central star -> KV Vel
EGB 4                 -> PN G143.6+23.8, central star -> BZ Cam
EGB 5                 =  PK 212 +22.1 = PK 212 +23.1 = PN G211.9+22.6,
                         central star -> 0808+1106
EGG V11               -> AKO 9
EGGR 11               -> L870-2
EGGR 20               -> Feige 24
EGGR 38               -> HZ 9
EGGR 87               -> EG UMa
EGGR 91               -> AM CVn
EGGR 125              -> 1824+0402
EGGR 136              -> WZ Sge
EGGR 151              -> AT Cnc
EGGR 188              -> 1317+4520
EGGR 232              -> MS Peg
EGGR 278              -> 2033+1849
EGGR 292              -> TW Tri
EGGR 332              -> 2009+6216
EGGR 336              -> HX Peg
EGGR 339              -> 0136+7653
EGGR 389              -> GP Com
EGGR 481              -> 0416+7007
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EGGR 577            -> 1704+4807BC
EGGR 585            -> 2331+2902
EGGR 587            -> 1713+3316
ESO 215-04          -> PK 283 +9.1, central star -> KV Vel
ESO 457-16          -> Hf 2-2, central star
FAUST 3460          -> 1244+1119
FAUST 3464          -> 1244+1119
FAUST 3652          -> 1300+2756
FBS B37             -> 1032+4036
FBS B55             -> 0839+3955
FBS B91             -> AM CVn
FBS B113            -> 1428+3723
FBS B258            -> BP Lyn
FBS B303            -> 1204+4505
FBS B388            -> AT Cnc
FBS B494            -> BK Lyn
FBS B509            -> 1101+3626
FBS B523            -> UX CVn
FBS B595            -> V795 Her
FBS B596            -> 1713+3316
FBS B662            -> SU UMa
FBS B721            -> KV Dra
FBS B763            -> 0705+6700
FBS B788            -> 1000+6643
FBS B789            -> CH UMa
FBS B800            -> 1136+6646
FBS B882            -> CI UMa
FBS B888            -> DO Dra
FBS B904            -> SS UMi
FDP 2324            -> AKO 9
Feige 11            =  GSC 0022.0821 = PB 6252
                    =  USNO-A2.0 0900-00248368 = 0101+0357 (PG, WD)
Feige 24            =  EGGR 20 = GSC 0049.0886 = HIP 12031 = PHL 1376
                    =  USNO-A2.0 0900-00603573 = 0232+0330 (PG, WD)
                    =  J0235+0343 (EUVE, 2EUVE, RE, 2RE, RX, XUV)
Feige 36            =  GSC 1978.0294 = USNO-A2.0 1125-06238753
                    =  1101+2455 (PG, WD)
Feige 55            =  GD 314 = GSC 4154.0827 = LB 2197
                    =  USNO-A2.0 1500-05508146
                    =  1202+6048 (PG, SBS, WD)
Feige 81            -> 1329+1556
G 7-23              -> V471 Tau
G 7-255             -> HZ 9
G 21-15             -> 1824+0402
G 61-29             -> GP Com
G 141-11            -> 1824+0402
G 177-31            -> 1317+4520
G 203-47A           =  GJ 3991 = GSC 3084.0558 = HIP 83945
G 230-26            -> V1513 Cyg
G 271-115           -> L870-2
GD 231              -> 2032+1849
GD 245              -> MS Peg
GD 249              -> 0416+7007
GD 251              -> 2331+2902
GD 314              -> Feige 55
GD 319              -> 1247+5522
GD 360              -> 1713+3316
GD 420              -> 0136+7653
GD 448              -> HR Cam
GD 543              -> 2009+6216
GD 552              =  Cep 1 = USNO-A2.0 1500-09347870
GD 1662             -> VY Scl
GJ 64               -> L 870-2
GJ 459.1            -> EG UMa
GJ 781              -> V1513 Cyg
GJ 2034             -> RR Cae
GJ 2100             -> 1317+4520
GJ 2158             -> HX Peg
GJ 3753             -> 1247+5522
GJ 3605             -> UZ Sex
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GJ 3991              -> G 203-47A
great anihilator     -> 1740-2943
Gru V1               -> CE Gru
GSC 0022.0821        -> Feige 11
GSC 0049.0886        -> Feige 24
GSC 0231.1572        -> 0918+0258
GSC 0242.1685        -> 0940+0649
GSC 0249.0562        -> 1022+0501
GSC 0292.0387        -> 1230+0514
GSC 0369.0978        -> 1627+0144
GSC 0443.1459        -> V426 Oph
GSC 0448.0423        -> V603 Aql
GSC 0560.0777        -> HL Aqr
GSC 0624.1165        -> 0133+1124
GSC 0648.1198        -> CC Cet
GSC 0791.0486        -> PQ Gem
GSC 0798.0438        -> 0808+1106
GSC 0816.0801        -> AC Cnc
GSC 0819.0892        -> GZ Cnc
GSC 0885.1199        -> 1244+1119
GSC 0900.1185        -> CR Boo
GSC 0906.1057        -> 1349+1424
GSC 0932.0044        -> 1528+1025
GSC 1128.0538        -> LQ Peg
GSC 1134.0745        -> LS Peg
GSC 1145.0536        -> RU Peg
GSC 1176.1589        -> HX Peg
GSC 1185.1428        -> QR And
GSC 1252.0212        -> V471 Tau
GSC 1270.0507        -> HZ 9
GSC 1375.0755        -> U  Gem
GSC 1394.0013        -> 0850+1700
GSC 1397.0817        -> SY Cnc
GSC 1398.2391        -> CC Cnc
GSC 1404.1830        -> GY Cnc
GSC 1413.0756        -> 0934+1838
GSC 1437.0955        -> 1115+1637
GSC 1449.0766        -> 1248+1626
GSC 1459.1061        -> 1329+1556
GSC 1477.1023        -> 1432+1553
GSC 1497.0750        -> LX Ser
GSC 1563.1018        -> 1735+2210
GSC 1586.0411        -> QR Sge
GSC 1618.1920        -> V1101 Aql
GSC 1642.0998        -> HR Del
GSC 1643.1764        -> V  Sge
GSC 1671.0710        -> IK Peg
GSC 1716.1815        -> IP Peg
GSC 1735.1772        -> 0001+2731
GSC 1774.0214        -> RW Tri
GSC 1939.1134        -> YZ Cnc
GSC 1944.1001        -> AT Cnc
GSC 1978.0294        -> Feige 36
GSC 1983.1391        -> 1116+3008
GSC 1995.0045        -> 1300+2756
GSC 2024.0631        -> 1512+2421
GSC 2036.0480        -> Ton 245
GSC 2049.1115        -> AH Her
GSC 2079.1551        -> 1725+2510
GSC 2238.0737        -> MS Peg
GSC 2297.0187        -> TW Tri
GSC 2485.0686        -> 0849+3155
GSC 2496.0921        -> BK Lyn
GSC 2505.0583        -> RZ LMi
GSC 2521.0868        -> 1101+3626
GSC 2529.0746        -> UX CVn
GSC 2585.1677        -> J1643+3402
GSC 2595.0676        -> V795 Her
GSC 2655.3329        -> EM Cyg
GSC 2771.0289        -> 2345+3148
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GSC 2807.1623        -> RX And
GSC 2874.0922        -> GK Per
GSC 2982.1066        -> 0839+3955
GSC 2986.1825        -> BP Lyn
GSC 3005.0579        -> 1032+4036
GSC 3018.2523        -> AM CVn
GSC 3081.0053        -> V835 Her
GSC 3081.0631        -> 1716+4237
GSC 3084.0558        -> G 203-47A
GSC 3111.1979        -> V533 Her
GSC 3196.0723        -> SS Cyg
GSC 3355.0750        -> FY Per
GSC 3409.2341        -> DN Lyn
GSC 3419.0098        -> EI UMa
GSC 3439.0550        -> ER UMa
GSC 3460.0780        -> DE CVn
GSC 3460.1417        -> 1317+4520
GSC 3469.1302        -> UX UMa
GSC 3498.1721        -> 1619+5213
GSC 3514.0358        -> 1743+4742
GSC 3533.1105        -> AM Her
GSC 3657.1285        -> V592 Cas
GSC 3698.3115        -> TZ Per
GSC 3750.0721        -> V405 Aur
GSC 3822.0464        -> DW UMa
GSC 3834.0241        -> EG UMa
GSC 3845.0640        -> 1247+5522
GSC 4056.1762        -> V664 Cas
GSC 4081.0460        -> BY Cam
GSC 4123.0265        -> 0705+6700
GSC 4129.0138        -> SU UMa
GSC 4154.0827        -> Feige 55
GSC 4159.0297        -> 1136+6646
GSC 4181.0930        -> ES Dra
GSC 4184.0139        -> 1519+6402
GSC 4320.0923        -> AM Cas
GSC 4362.0285        -> BZ Cam
GSC 4380.1032        -> Z  Cam
GSC 4383.2019        -> CH UMa
GSC 4394.1871        -> 4 Dra
GSC 4429.1070        -> EX Dra
GSC 4476.0509        -> CN Ori
GSC 4498.0468        -> 0136+7653
GSC 4549.1829        -> 1043+7600
GSC 4588.1570        -> AB Dra
GSC 4687.1473        -> L870-2
GSC 4689.0066        -> BO Cet
GSC 4752.1172        -> V1193 Ori
GSC 4757.1521        -> V1159 Ori
GSC 4891.0637        -> MM Hya
GSC 4905.0370        -> UZ Sex
GSC 4907.0182        -> SW Sex
GSC 4910.1132        -> J1016-0520
GSC 4917.0557        -> 1047-0436
GSC 4949.0906        -> 1241-0102
GSC 4966.0491        -> NY Vir
GSC 5038.0320        -> X Ser
GSC 5177.0636        -> AE Aqr
GSC 5200.0849        -> HU Aqr
GSC 5227.0134        -> FF Aqr
GSC 5227.0829        -> UU Aqr
GSC 5238.0223        -> AO Psc
GSC 5264.0415        -> WW Cet
GSC 5296.0200        -> BPM 71214
GSC 5490.0556        -> RW Sex
GSC 5490.0730        -> 1017-0838
GSC 5528.0629        -> HW Vir
GSC 5546.0431        -> HS Vir
GSC 5559.0143        -> 1347-1258
GSC 5608.1089        -> HP Lib
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GSC 5651.1540        -> V841 Oph
GSC 5804.0775        -> FO Aqr
GSC 5809.1053        -> 2209-1444
GSC 5896.0080        -> 0422-2014
GSC 6097.0879        -> TW Crv
GSC 6202.0919        -> V818 Sco
GSC 6235.0371        -> V442 Oph
GSC 6439.0120        -> EF Eri
GSC 6532.2479        -> WY CMa
GSC 6589.0081        -> VZ Pyx
GSC 6709.0694        -> EX Hya
GSC 6848.3786        -> V4641 Sgr
GSC 6858.2869        -> HD 171858
GSC 6890.2790        -> Abell 65
GSC 6986.0765        -> VY Scl
GSC 7059.0509        -> TV Col
GSC 7253.1599        -> V485 Cen
GSC 7267.1198        -> J1313-3259
GSC 7601.1500        -> TX Col
GSC 7639.1289        -> HD 49798
GSC 7941.0694        -> V3885 Sgr
GSC 8010.0064        -> RZ Gru
GSC 8072.1454        -> RR Cae
GSC 8105.1618        -> V347 Pup
GSC 8157.0627        -> IX Vel
GSC 8207.2114        -> KV Vel
GSC 8338.0779        -> HtTr 4
GSC 8527.0653        -> TW Pic
GSC 8530.0528        -> 0528-5857
GSC 8532.0218        -> 0556-5935
GSC 8552.0902        -> V436 Car
GSC 8666.0998        -> BV Cen
GSC 8676.1161        -> SuWt 2
GSC 8786.1495        -> V345 Pav
GSC 8854.0927        -> WX Hyi
GSC 8899.1342        -> RR Pic
GSC 9156.1776        -> VW Hyi
GSC 9166.0716        -> AA Dor
GSC 9211.0229        -> 1042-6902
GSC 9212.2097        -> QU Car
GSC 9373.0613        -> 0511-7955
GSC 9391.0179        -> AH Men
GSC 9394.2439        -> Z  Cha
GX 9+9               -> V2216 Oph
GX 13+1              -> 1811-1710
GX 17+2              -> 1813-1403
GX 331-1             -> QX Nor
GX 339-4             -> V821 Ara
GX 346-7             -> V926 Sco
GX 349+2             -> V1101 Sco
GX -10.7             -> V1101 Sco
GX -2.5              -> V4134 Sgr
GX +16.7             -> 1813-1403
GX +36.3             -> MM Ser
G332.4-0.4           -> RCW 103
Ha Tr 4              -> HtTr 4
Had V04              -> QZ Ser
Had V4               -> QZ Ser
Hamuy's variable     -> V1193 Ori
Hawkins V6           -> CI Gru
HD 12244             -> V  Per
HD 21629             -> GK Per
HD 36294             -> T  Aur
HD 48328             -> DM Gem
HD 49798             =  CD -44 2920 = CPD -44 1096 = GSC 7639.1289
                     =  HIP 32602 = SAO 218207
                     =  USNO-A2.0 0450-02997824
                     =  J0648-4418 (RX, WGA, 1WGA)
HD 50480             -> DN Gem
HD 64511             -> U  Gem
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HD 96830            -> RS Car
HD 108907           -> 4 Dra
HD 149990           -> OY Ara
HD 167276           -> V849 Oph
HD 171858           =  CD -23 14565 = CPD -23 7164 = GSC 6858.2869
                    =  SAO 187070 = USNO-A2.0 0600-35893288
HD 174107           -> V603 Aql
HD 204188           -> IK Peg
HD 206697           -> SS Cyg
HD 214239           -> DI Lac
HD 293373           -> V651 Mon
HD 321353           -> V630 Sgr
HDE 269696          -> AA Dor
HDE 310376          -> QU Car
HDE 321353          -> V630 Sgr
He 2-407            -> Hf 2-2, central star
Hf 2-2              =  central star of the planetary nebula Hf 2-2 =
                       ESO 457-16 = He 2-407 = PK 5 -8.1 =
                       PN G005-08.9 = 1829-2845 (IRAS)
HFG 1               =  PK 136 +5(1) = PN G136.3+05.5,
                       planetary nebula, central star -> V664 Cas
HIP 12031           -> Feige 24
HIP 17962           -> V471 Tau
HIP 31481           -> RR Pic
HIP 32602           -> HD 49798
HIP 34541           -> V651 Mon
HIP 40430           -> IX Vel
HIP 50581           -> RW Sex
HIP 54226           -> QU Car
HIP 60998           -> 4 Dra
HIP 62157           -> HW Vir
HIP 83945           -> G 203-47A
HIP 92316           -> V603 Aql
HIP 94289           -> QR Sge
HIP 97394           -> V3885 Sgr
HIP 98906           -> V1513 Cyg
HIP 101991          -> AE Aqr
HIP 102190          -> HR Del
HIP 105860          -> IK Peg
HIP 108644          -> FF Aqr
[HJV94]5            -> NGC 104-X5
[HJV94]7            -> NGC 104-X7
[HJV94}9            -> NGC 104-CV1
[HJV94]10           -> NGC 104-CV3
HR 8210             -> IK Peg
HtTr 4              =  GSC 8338.0779 = central star of the planetary nebula HtTr 4
                    =  PN G335.2-03.6, planetary nebula
Huruhata's star     -> EG Cnc
HV 6                -> V  Per
HV 47               -> RS Car
HV 84               -> SS Cyg
HV 1262             -> WX Cen
HV 1319             -> UU Aql
HV 2554             -> J0527-6954
HV 3137             -> X  Ser
HV 3305             -> OY Ara
HV 3348             -> T  Pyx
HV 3518             -> WZ Sge
HV 3519             -> V1017 Sgr
HV 3520             -> V849 Oph
HV 3600             -> DY Pup
HV 3681             -> TT Boo
HV 3899             -> DH Aql
HV 4647             -> BV Cen
HV 4889             -> BR Lup
HV 4908             -> AB Nor
HV 5428             -> KX Aql
HV 5452             -> UU Sge
HV 5682             -> J0513-6951
HV 6276             -> XZ Eri
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HV 6292             -> AH Eri
HV 6551             -> AT Ara
HV 6553             -> MM Sco
HV 6576             -> BF Ara
HV 7202             -> V617 Sgr
HV 7408             -> V895 Cen
HV 8002             -> WW Cet
HV 8016             -> WX Hyi
HV 8028             -> VW Hyi
HV 8171             -> CU Vel
HV 8364             -> V442 Cen
HV 10031            -> BD Pav
HV 10120            -> V436 Cen
HV 10215            -> EX Hya
HV 10231            -> V485 Cen
HV 10426            -> UZ Boo
HV 10444            -> NY Ser
HZ 9                =  EGGR 38 = G 7-255 = GSC 1270.0507 = NSV 1641
                    =  USNO-A2.0 1050-01300834
                    =  0429+1738 (2E, KUV, WD) = J0432+1745 (RX)
HZ 22               -> UX CVn
HZ 29               -> AM CVn
J 05.23             -> TU Crt
JL 181              -> CM Phe
K 1-2               =  PK 253 +10.1 = PN G253.5+10.7,
                       planetary nebula, central star -> VW Pyx
KUV 345-30          -> 0839+3955
KUV 345-57          -> BP Lyn
KUV 494-4           -> 1300+2756
L 10                -> L870-2
Lanning 10          -> V363 Aur
Lanning 50          -> WZ Sge
Lanning 90          -> V1776 Cyg
Lanning 149         -> V664 Cas
Lanning 281         -> AF Cam
Lanning 497         -> FT Cam
LB 27               -> 1300+2756
LB 210              -> J0155+0028
LB 1800             -> V347 Pup
LB 2197             -> Feige 55
LB 3459             -> AA Dor
LB 10038            -> 1110+2924
LB 10117            -> 1116+3008
LB 10702            -> DO Leo
LD 317              =  USNO-A2.0 1275-18605236
                    =  J2347+4331 (RXS, 1RXS)
LFT 142             -> L870-2
LFT 349             -> RR Cae
LFT 1521            -> V1513 Cyg
LHG 83              -> CAL 83
LHG 86              -> CAL 86
LHG 87              -> CAL 87
LHS 482             -> V1513 Cyg
LHS 1270            -> L870-2
LHS 1660            -> RR Cae
LHS 6250            -> 1317+4520
Lk HA 170           -> V751 Cyg
LMC X-2             =  CAL 30
                    =  0521-7200 (2A, 3A, CGS, 1ES, 2E, H, 1H, 1M,
                       3U, 4U) = J0520-7157 (1RXS)
LP 013-249          -> 0136+7653
LP 034-185          -> HR Cam
LP 106-17           -> 2009+6216
LP 550-52           -> 1022+0501
LS 55 -8            -> V592 Cas
LS I 55 -8          -> V592 Cas
LSE 161             -> 1735+2210
LSS 2018            -> KV Vel
LTT 888             -> L 870-2
LTT 1951            -> RR Cae
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LTT 3943            -> 1042-6902
LTT 15456           -> 1824+0402
LTT 15889           -> V1513 Cyg
LTT 18284           -> GP Com
LWD 799             -> J0155+0028
L101-26             -> 0957-6639
L101-80             -> 1042-6902
L870-2              =  EGGR 11 = G 271-115 =  GJ 64 = GSC 4687.1473
                    =  L 10 = LFT 142 = LHS 1270 = LTT 888 = PHL 7450
                    =  0135-0514 (WD)
M 1-10              -> NGC 2346, central star -> V651 Mon
M 1-67              =  PK 50 +3.1 = PN G050.1+03.3 = S 80,
                       planetary nebula, central star -> QR Sge
M 4                 =  NGC 6121, globular cluster,
                       binary in ->   NGC 6121-V46
M 5                 =  NGC 5904, globular cluster, ->  M 5-V101
M 5-V101            =  NGC 5904-V101 = binary in the globular cluster
                       M 5
M 15                =  NGC 7078, globular cluster, -> AC 211
M 15-X1             -> AC 211
M 31                =  NGC 224
M 31PSS             -> J0043+4117
M51                 =  NGC 5194, galaxy
M51 X-7             =  NGC 5194 X-7
M 67                =  NGC 2682, open cluster, variable star -> EU Cnc
M 67-168            -> EU Cnc
M 67 X16            -> EU Cnc
Mac R +43 1         -> MV Lyr
MK 377              -> HR Cam
Mon X-1             -> V616 Mon
NGC 104             =  47 Tuc = globular cluster, variables -> AKO 9,
                       -> NGC 104-CV1, -> NGC 104-CV3, -> NGC 104-X5,
                       -> NGC 104-X7
NGC 104-CV1         =  NGC 104-X9 = [HJV94]9 = Tuc 1= V1 (47 Tuc)
                    =  X9 (47 Tuc) =  0021-7221(1ES) = J0024-7204 (RX)
NGC 104-CV3         =  NGC 104-X10 = [HJV94]10 = V3 (47 Tuc)
                    =  X10 (47 Tuc)
NGC 104-X5          =  [HJV94]5 = X5 (47 Tuc)
NGC 104-X7          =  [HJV94]7 = X7 (47 Tuc)
NGC 104-X10         -> NGC 104-CV3
NGC 104-X9          -> NGC 104-CV1
NGC 224             =  M 31
NGC 2346            =  M 1-10 = PK 215 +3.1 = PN G215.6+03.6,
                       planetary nebula, central star -> V651 Mon
NGC 2682            =  M 67, open cluster
NGC 5194            =  M51, galaxy
NGX 5194 X-7        -> M51 X-7
NGC 5904            =  M 5, globular cluster, binary in -> M 5-V101
NGC 5904-V101       -> M5-V101
NGC 6121            =  M 4, globular cluster, binary in -> NGC 6121-V46
NGC 6121-V46        =  V46 (M 4) = binary in the globular cluster M 4
NGC 6397            =  globular cluster
NGC 6397-CV1        =  NGC 6397-U23 = NGC 6397-V12, CV #1 in the
                       globular cluster NGC 6397
NGC 6397-CV6        =  NGC 6397-U10 = NGC 6397-V13, CV #6 in the
                       globular cluster NGC 6397
NGC 6397-U10        -> NGC 6397-CV6
NGC 6397-U23        -> NGC 6397-CV1
NGC 6397-V12        -> NGC 6397-CV1
NGC 6397-V13        -> NGC 6397-CV6
NGC 6624            =  globular cluster, -> 1820-3023
NGC 6641            =  globular cluster, -> 1746-3702
NGC 6652            =  globular cluster, -> 1832-3301
NGC 6712            =  globular cluster, -> 1850-0846
NGC 6752            =  globular cluster, -> J1910-5958#1, J1910-5958#2
NGC 6752-CV1        =  J1910-5958#1 = CV candidate #1 in the globular
                       cluster NGC 6752
NGC 6752-CV2        =  J1910-5958#2 = CV candidate #2 in the globular
                       cluster NGC 6752
NGC 7078            =  M 15, globular cluster, -> AC 211
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NGC 7078-X1          -> AC 211
NGC 7789             =  open cluster, binary in NGC 7789 -> V731 Cas
NGC 7789-V9          -> V731 Cas
Nor X-1              -> V801 Ara
Nor XR-2             -> LU TrA
Nova Aqr (1907, 1929, 1934, 1941, 1942, 1958, 1962, 1973, 1983)
                     -> VY Aqr
Nova Aql (1917, 1941, 2000)  -> CI Aql
Nova Aql 1918        -> V603 Aql
Nova Aql 1925        -> DO Aql
Nova Aql 1936        -> V368 Aql
Nova Aql 1943        -> V500 Aql
Nova Aql 1992        -> V1487 Aql
Nova Aql 1995        -> V1425 Aql
Nova Aql 1999#1      -> V1493 Aql
Nova Aql 1999#2      -> V1494 Aql
Nova Ara 1910        -> OY Ara
Nova Aur 1891        -> T  Aur
Nova Aur 1960        -> KR Aur
Nova Aur 1964        -> QZ Aur
Nova CMa 1934        -> CG CMa
Nova Car 1895        -> RS Car
Nova Cas 1950        -> V630 Cas
Nova Cas 1993        -> V705 Cas
Nova Cas 1995        -> V723 Cas
Nova Cen 1929        -> V359 Cen
Nova Cen 1969        -> V822 Cen
Nova Cet 1963        -> WX Cet
Nova Cha 1953        -> RR Cha
Nova Cir 1987        -> BW Cir
Nova Cir 1995        -> BY Cir
Nova Cir 1999        -> DD Cir
Nova Com 1961        -> AL Com
Nova CrA (1949, 1987) -> V394 CrA
Nova Crv 1931        -> TV Crv
Nova Cru 1935        -> AP Cru
Nova Cru 1936        -> AP Cru
Nova Cru 1996        -> CP Cru
Nova Cyg (1938, 1956, 1989) -> V404 Cyg
Nova Cyg 1975        -> V1500 Cyg
Nova Cyg 1978        -> V1668 Cyg
Nova Cyg 1992        -> V1974 Cyg
Nova Cyg 2001#1      -> V2274 Cyg
Nova Del 1967        -> HR Del
Nova Gem 1903#1      -> DM Gem
Nova Gem 1912        -> DN Gem
Nova Gem 1933        -> AW Gem
Nova Her 1934        -> DQ Her
Nova Her 1960        -> V446 Her
Nova Her 1963        -> V533 Her
Nova Her (1968, 1986, 1998) -> V592 Her
Nova Her 1991        -> V838 Her
Nova Lac 1910        -> DI Lac
Nova Leo 1855        -> U  Leo
Nova Leo 1918        -> RZ Leo
Nova Lib 1983        -> GW Lib
Nova Lyr 1928        -> DM Lyr
Nova Mon (1917, 1975) -> V616 Mon
Nova Mon 1939        -> BT Mon
Nova Mus 1983        -> GQ Mus
Nova Mus 1991        -> GU Mus
Nova Mus 1998        -> LZ Mus
Nova Oph 1848        -> V841 Oph
Nova Oph 1919        -> V849 Oph
Nova Oph 1977        -> V2107 Oph
Nova Oph 1988        -> V2214 Oph
Nova Oph 1993        -> V2293 Oph
Nova Pav 1934        -> BD Pav
Nova Per 1887        -> V  Per
Nova Per 1901        -> GK Per
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Nova Per (1992, 1993) -> V518 Per
Nova Pic 1925         -> RR Pic
Nova Pup 1902         -> DY Pup
Nova Pup 1942         -> CP Pup
Nova Pup 1963#1       -> HZ Pup
Nova Pup 1991         -> V351 Pup
Nova Pyx (1890, 1902, 1920, 1944, 1966, 1967) -> T  Pyx
Nova Sge 1783         -> WY Sge
Nova Sge (1913, 1946, 1978, 2001) -> WZ Sge
Nova Sgr 1919         -> V1017 Sgr
Nova Sgr 1936#4       -> V630 Sgr
Nova Sgr 1941         -> V909 Sgr
Nova Sgr 1982         -> V4077 Sgr
Nova Sgr 1998         -> V4633 Sgr
Nova Sco (1863, 1906, 1936, 1945, 1979, 1987, 1999) -> U  Sco
Nova Sco 1941         -> V697 Sco
Nova Sco 1992         -> V992 Sco
Nova Sco 1994         -> V1033 Sco
Nova Ser 1903         -> X  Ser
Nova Ser 1948         -> CT Ser
Nova Tri 1983         -> UW Tri
Nova UMi 1956         -> RW UMi
Nova Vel 1993         -> MM Vel
Nova Vel 1999         -> V382 Vel
Nova Vir 1929         -> HV Vir
Nova Vul 1984#1       -> PW Vul
Nova Vul 1984#2       -> QU Vul
Nova Vul 1988         -> QZ Vul
NSV 564               -> AY Psc
NSV 1641              -> HZ 9
NSV 2011              -> V1159 Ori
NSV 4326              -> VW Pyx
NSV 4407              -> DI UMa
NSV 6201              -> HV Vir
NSV 6680              -> V895 Cen
NSV 6990              -> NY Ser
NSV 8383              -> V877 Ara
NSV 8841              -> MT Ser
NSV 10973             -> V477 Lyr
NSV 11797             -> QR Sge
NSV 12320             -> UU Sge
NSV 12615             -> V4140 Sgr
NSV 13903             -> LS Peg
NSV 14328             -> TY PsA
NSV 24453             -> V4634 Sgr
NSV 26006             -> V369 Peg
Oph X-1               -> V2216 Oph
OV 29                 -> V630 Cas
PB 385                -> 1032+4036
PB 2322               -> 1110+2924
PB 2515               -> 1116+3008
PB 3137               -> GO Com
PB 3251               -> 1300+2756
PB 3963               -> 1329+1556
PB 4117               -> 1349+1424
PB 5229               -> J2303+0106
PB 6252               -> Feige 11
PB 6502               -> J0155+0028
PB 6656               -> BO Cet
PB 7078               -> UU Aqr
PB 7131               -> FO Aqr
PHL 227               -> HL Aqr
PHL 538               -> VY Scl
PHL 718               -> WW Cet
PHL 1065              -> AY Psc
PHL 1242              -> J0155+0028
PHL 1376              -> Feige 24
PHL 1475              -> CP Eri
PHL 4452              -> VY For
PHL 7450              -> L 870-2
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PK 5 -8.1           -> Hf 2-2, central star
PK 9 +10.1          -> Abell 41, central star -> MT Ser
PK 17 -21.1         -> Abell 65, central star
PK 50 +3.1          -> M 1-67, central star -> QR Sge
PK 53 -3.1          -> Abell 63, central star -> UU Sge
PK 55 +16.1         -> Abell 46, central star -> V477 Lyr
PK 136 +5(1)        -> HFG 1, central star -> V664 Cas
PK 144 +24 1        -> PN G143.6+23.8, central star -> BZ Cam
PK 211 +22.1        -> EGB 5, central star -> 0808+1106
PK 212 +23.1        -> EGB 5, central star -> 0808+1106
PK 215 +3.1         -> NGC 2346, central star -> V651 Mon
PK 253 +10.1        -> K 1-2, central star -> VW Pyx
PK 283 +9.1         =  DS 1 = ESO 215-04 = PN G283.9+09.7,
                       planetary nebula, central star -> KV Vel
PK 311 +2.2         -> SuWt 2, central star
PK 329 +2.1         -> Sp 1, central star
PN G005-08.9        -> Hf 2-2, central star
PN G009.6+10.5      -> Abell 41, central star -> MT Ser
PN G017.3-21.9      -> Abell 65, central star
PN G050.1+03.3      -> M 1-67, central star -> QR Sge
PN G053.8-03.0      -> Abell 63, cental star -> UU Sge
PN G055.4+16.0      -> Abell 46, cental star -> V477 Lyr
PN G136.3+05.5      -> HFG 1, central star -> V664 Cas
PN G143.6+23.8      =  EGB 4 = PK 144 +24 1, planetary nebula?
                       central star -> BZ Cam
PN G215.6+03.6      -> NGC 2346, central star -> V651 Mon
PN G211.9+22.6      -> EGB 5,  central star -> 0808+1106
PN G253.5+10.7      -> K 1-2, central star -> VW Pyx
PN G283.9+09.7      -> PK 283 +9.1, central star -> KV Vel
PN G311.0+02.4      -> SuWt 2, central star
PN G329.0+01.9      -> Sp 1, central star
PN G335.2-03.6      -> HtTr 4, central star
PS 74               -> TY PsA
PS 141              -> VY Scl
RBS 22              -> WW Cet
RBS 43              -> QR And
RBS 206             -> EQ Cet
RBS 213             -> CV Hyi
RBS 232             -> BL Hyi
RBS 274             -> AI Tri
RBS 280             -> TT Ari
RBS 288             -> WX Hyi
RBS 324             -> J0230-6842
RBS 398             -> EF Eri
RBS 512             -> VW Hyi
RBS 541             -> J0425-1945
RBS 599             -> RS Cae
RBS 655             -> TV Col
RBS 658             -> UW Pic
RBS 664             -> TW Pic
RBS 694             -> SU UMa
RBS 696             -> J0820+4934
RBS 710             -> SW UMa
RBS 713             -> EI UMa
RBS 728             -> BZ UMa
RBS 734             -> J0859+0536
RBS 842             -> GG Leo
RBS 904             -> FH UMa
RBS 911             -> EK UMa
RBS 938             -> AN UMa
RBS 1008            -> T  Leo
RBS 1022            -> DO Dra
RBS 1039            -> EU UMa
RBS 1173            -> EX Hya
RBS 1213            -> GP Com
RBS 1219            -> EV UMa
RBS 1563            -> J1610+0352
RBS 1646            -> V1007 Her
RBS 1664            -> V393 Pav
RBS 1678            -> V4738 Sgr
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RBS 1724              -> HU Aqr
RBS 1735              -> CD Ind
RBS 1900              -> TY PsA
RBS 1914              -> AO Psc
RBS 1969              -> J2315-3048
RBS 1973              -> J2316-0527
RCW 103               =  G332.4-0.4, supernova remnant, X-ray point
                         source within it: -> 1613-5055
S 14         (S = Stephenson) -> TT Ari
S 80         (S = Sharpless)  -> M 1-67, central star -> QR Sge
S 193        (S = Stephenson) -> LS Peg
S 196        (S = Stephenson) -> UU Aqr
S 3330 Cas   (S = Sonneberg)  -> GX Cas
S 3343 Cas   (S = Sonneberg)  -> HT Cas
S 3808 Lyr   (S = Sonneberg)  -> LL Lyr
S 3847 Cyg   (S = Sonneberg)  -> V550 Cyg
S 3946 Aur   (S = Sonneberg)  -> FS Aur
S 4133 Her   (S = Sonneberg)  -> V478 Her
S 4505 Del   (S = Sonneberg)  -> EZ Del
S 4524 Cyg   (S = Sonneberg)  -> V503 Cyg
S 4556 Cyg   (S = Sonneberg)  -> V630 Cyg
S 4893 Cha   (S = Sonneberg)  -> Z  Cha
S 4907 Vel   (S = Sonneberg)  -> CU Vel
S 5005 TrA   (S = Sonneberg)  -> EK TrA
S 5150 Gru   (S = Sonneberg)  -> RZ Gru
S 5305 UMa   (S = Sonneberg)  -> DI UMa
S 5342 Aql   (S = Sonneberg)  -> V500 Aql
S 5346 Cha   (S = Sonneberg)  -> RR Cha
S 5420 Aur   (S = Sonneberg)  -> KR Aur
S 5423 Gem   (S = Sonneberg)  -> IR Gem
S 6302 Car   (S = Sonneberg)  -> OY Car
S 6311 Cha   (S = Sonneberg)  -> RX Cha
S 6633 Oct   (S = Sonneberg)  -> BE Oct
S 6732 Men   (S = Sonneberg)  -> TU Men
S 6888 Tel   (S = Sonneberg)  -> KK Tel
S 7040 Pav   (S = Sonneberg)  -> GS Pav
S 7103 Oct   (S = Sonneberg)  -> AO Oct
S 7273 Sgr   (S = Sonneberg)  -> V4140 Sgr
S 7738 UMa   (S = Sonneberg)  -> AN UMa
S 7744 UMa   (S = Sonneberg)  -> AR UMa
S 7854 Cyg   (S = Sonneberg)  -> V1028 Cyg
S 7989 Her   (S = Sonneberg)  -> V544 Her
S 8314 Sge   (S = Sonneberg)  -> UU Sge
S 8438 Pup   (S = Sonneberg)  -> HZ Pup
S 8480 Aur   (S = Sonneberg)  -> HV Aur
S 9160 Per   (S = Sonneberg)  -> PY Per
S 9178 Per   (S = Sonneberg)  -> QY Per
S 9329 Lyr   (S = Sonneberg)  -> V344 Lyr
S 9370 Dra   (S = Sonneberg)  -> CG Dra
S 9382 Cyg   (S = Sonneberg)  -> V1113 Cyg
S 9508 And   (S = Sonneberg)  -> FO And
S 9712 Cas   (S = Sonneberg)  -> V425 Cas
S 9727 Per   (S = Sonneberg)  -> PU Per
S 9728 Per   (S = Sonneberg)  -> PV Per
S 10066 Del  (S = Sonneberg)  -> HO Del
S 10296 Her  (S = Sonneberg)  -> V589 Her
S 10376 Her  (S = Sonneberg)  -> V592 Her
S 10777 And  (S = Sonneberg)  -> HV And
S 10900 Psc  (S = Sonneberg)  -> TY Psc
S 10919 Tri  (S = Sonneberg)  -> WY Tri
S 10932 Com  (S = Sonneberg)  -> IR Com
S 10943 Vul  (S = Sonneberg)  -> V405 Vul
S 10946 Her  (S = Sonneberg)  -> V1007 Her
Sanduleak-Pesch binary BC -> 1704+4807BC
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SAO 015816          -> 4 Dra
SAO 107138          -> IK Peg
SAO 145804          -> FF Aqr
SAO 187070          -> HD 171858
SAO 218207          -> HD 49798
SAO 219684          -> IX Vel
ScWe 2              -> SuWt 2, central star
Sgr X-1             -> V691 CrA
Sgr X-2             -> 1813-1403
Sgr X-4             -> 1820-3023
Sgr XR-2            -> 1813-1403
Sco X-1             -> V818 Sco
Sco X-2             -> V1101 Sco
Sco X-6             -> V4134 Sgr
Sco XR-2            -> V1101 Sco
Sco XR-3            -> V926 Sco
Sco XR-6            -> V691 CrA
Ser X-1             -> MM Ser
Ser X-2             -> 1813-1403
Ser XR-1            -> MM Ser
Ser XR-2            -> 1813-1403
SMC 13              -> 0035-7230
SN 1998di           -> KL Dra
Sp 1                =  central star of the planetary nebula Sp 1
                    =  PK 329 +2.1 = PN G329.0+01.9, planetary nebula
Stepanian's object  -> LX Ser
StHA 196            -> UU Aqr
SuWt 2              =  central star of the planetary nebula SuWt 2
                    =  GSC 8676.1161 = PK 311 +2.2 = PN G311.0+02.4
                    =  USNO-A2.0 0300-19841587
                    =  ScWe 2, planetary nebula
SVS 32              -> AH Her
SVS 83              -> V426 Oph
SVS 337             -> V442 Oph
SVS 365             -> UX UMa
SVS 382             -> GO Com
SVS 504             -> DO Dra
SVS 710             -> V1504 Cyg
SVS 992             -> AQ CMi
SVS 1021            -> MV Lyr
SVS 1202            -> V751 Cyg
SVS 1244            -> Z  Cha
SVS 1359            -> RW UMi
SVS 1424            -> BE UMa
SVS 1584            -> V419 Lyr
SVS 1719            -> BZ UMa
SVS 1755            -> CI UMa
SVS 1772            -> V893 Sco
SVS 1851            -> CH UMa
SVS 1972            -> V701 Tau
SVS 2120            -> V660 Her
SVS 2143            -> V895 Cen
SVS 2198            -> CY UMa
SVS 2288            -> TW Tri
SVS 2354            -> LX Ser
SVS 2426            -> DM Dra
SVS 2543            -> RZ LMi
SVS 2549            -> IP Peg
SVS 2558            -> UW Tri
SVS 2613            -> V795 Her
SVS 2817            -> EG UMa
SVS 2865            -> BH Lyn
SVS 8130            -> V1315 Aql
Terzan 6            =  globular cluster, LMXB in -> 1747-3115
Tmz V34             -> GZ Cnc
Tmz V46             -> QW Ser
Tmz V81             -> DN Lyn
Tmz V85             -> IY UMa
Ton 45              -> SX LMi
Ton 62              -> 1110+2924
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Ton 63               -> 1116+3008
Ton 245              =  GSC 2036.0480 = USNO-A2.0 1125-07343980
                     =  1538+2658 (PG, WD)
Ton 323              -> AT Cnc
Ton 358              -> 0849+3155
Ton 408              -> AR Cnc
Ton 617              -> LM Com
Ton 788              -> 1512+2421
Ton 1051             -> BK Lyn
Ton 1107             -> RZ LMi
Ton 1143             -> RU LMi
Ton 1323             -> 1101+3626
Ton S 120            -> VZ Scl
Tweedy 1             -> planetary nebula, central star -> BE UMa
USNO-A1.0 0225-27372547 -> V877 Ara
USNO-A1.0 0300-01336459 -> J0425-5714
USNO-A1.0 0300-14373745 -> J1155-5641
USNO-A1.0 0600-11409621 -> V893 Sco
USNO-A1.0 0600-16547317 -> V4641 Sgr
USNO-A1.0 0750-02887019 -> J0649-0737
USNO-A1.0 0825-05603282 -> J0749-0549
USNO-A1.0 0975-07935332 -> QW Ser
USNO-A1.0 1200-13720959 -> J1951+3716
USNO A1.0 1275 04895678 -> J0524+4244
USNO-A1.0 1425-07642945 -> IY UMa
USNO-A1.0 1425-09823278 -> V2176 Cyg
USNO-A1.0 1500-03128973 -> FT Cam
USNO-A2.0 0075-00002145 -> BE Oct
USNO-A2.0 0075-00768759 -> TU Men
USNO-A2.0 0075-00868761 -> 0511-7955
USNO-A2.0 0075-01129250 -> AH Men
USNO-A2.0 0075-01547167 -> Z  Cha
USNO-A2.0 0075-03661656 -> RR Cha
USNO-A2.0 0150-01107573 -> BL Hyi
USNO-A2.0 0150-01666314 -> VW Hyi
USNO-A2.0 0150-03205799 -> AA Dor
USNO-A2.0 0150-03591089 -> CAL 83
USNO-A2.0 0150-03669168 -> CAL 86
USNO-A2.0 0150-07535042 -> 1042-6902
USNO-A2.0 0150-18634705 -> V347 Pav
USNO-A2.0 0150-19347215 -> GS Pav
USNO-A2.0 0150-19600672 -> IK Peg
USNO-A2.0 0225-00401739 -> CV Hyi
USNO-A2.0 0225-00546838 -> WX Hyi
USNO-A2.0 0225-07178443 -> 0957-6639
USNO-A2.0 0225-25605343 -> KZ TrA
USNO-A2.0 0225-27289639 -> V877 Ara
USNO-A2.0 0225-30567412 -> V349 Pav
USNO-A2.0 0300-00577469 -> J0154-5947
USNO-A2.0 0300-01327865 -> J0425-5714
USNO-A2.0 0300-01739734 -> 0528-5857
USNO-A2.0 0300-01781330 -> TW Pic
USNO-A2.0 0300-01962105 -> 0556-5935
USNO-A2.0 0300-14294090 -> J1155-5641
USNO-A2.0 0300-18668886 -> BV Cen
USNO-A2.0 0300-19841587 -> SuWt 2
USNO-A2.0 0300-29212621 -> V801 Ara
USNO-A2.0 0300-34777933 -> BD Pav
USNO-A2.0 0300-35915166 -> V345 Pav
USNO-A2.0 0300-36236577 -> V393 Pav
USNO-A2.0 0300-37114801 -> CD Ind
USNO-A2.0 0300-37918369 -> CP Tuc
USNO-A2.0 0375-00108185 -> CM Phe
USNO-A2.0 0375-00830621 -> WW Hor
USNO-A2.0 0375-01996415 -> UW Pic
USNO-A2.0 0375-02359182 -> V347 Pup
USNO-A2.0 0375-04666219 -> V516 Pup
USNO-A2.0 0375-05171094 -> IX Vel
USNO-A2.0 0375-07871027 -> MR Vel
USNO-A2.0 0375-10655321 -> KO Vel
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USNO-A2.0 0375-12052050 -> V382 Vel
USNO-A2.0 0375-12472040 -> KV Vel
USNO-A2.0 0375-20155822 -> V834 Cen
USNO-A2.0 0375-29869782 -> V821 Ara
USNO-A2.0 0375-37973205 -> QS Tel
USNO-A2.0 0375-38820307 -> KK Tel
USNO-A2.0 0375-39562767 -> CF Gru
USNO-A2.0 0450-01739927 -> RS Cae
USNO-A2.0 0450-02173249 -> TX Col
USNO-A2.0 0450-02997824 -> HD 49798
USNO-A2.0 0450-07914422 -> CU Vel
USNO-A2.0 0450-11074610 -> V381 Vel
USNO-A2.0 0450-12643097 -> V436 Cen
USNO-A2.0 0450-13664158 -> V359 Cen
USNO-A2.0 0450-13975394 -> MU Cen
USNO-A2.0 0450-14522935 -> V1025 Cen
USNO-A2.0 0450-15609843 -> V803 Cen
USNO-A2.0 0450-17691173 -> V895 Cen
USNO-A2.0 0450-25921220 -> V1033 Sco
USNO-A2.0 0450-26500263 -> V992 Sco
USNO-A2.0 0450-28259213 -> MM Sco
USNO-A2.0 0450-29236960 -> V926 Sco
USNO-A2.0 0450-38150035 -> V3885 Sgr
USNO-A2.0 0450-38401030 -> V4140 Sgr
USNO-A2.0 0450-38841007 -> V4738 Sgr
USNO-A2.0 0450-39773299 -> CI Gru
USNO-A2.0 0450-39816849 -> CE Gru
USNO-A2.0 0450-40367653 -> RZ Gru
USNO-A2.0 0450-40779854 -> BW Scl
USNO-A2.0 0525-02004826 -> UU Col
USNO-A2.0 0525-04340304 -> V348 Pup
USNO-A2.0 0525-04760587 -> IN CMa
USNO-A2.0 0525-07738187 -> CP Pup
USNO-A2.0 0525-10863198 -> T  Pyx
USNO-A2.0 0525-14089223 -> V442 Cen
USNO-A2.0 0525-15614736 -> V485 Cen
USNO-A2.0 0525-15910952 -> J1313-3259
USNO-A2.0 0525-18421481 -> V822 Cen
USNO-A2.0 0525-32591726 -> V630 Sgr
USNO-A2.0 0525-38938531 -> V1223 Sgr
USNO-A2.0 0525-44171827 -> J2315-3048
USNO-A2.0 0600-00568386 -> EQ Cet
USNO-A2.0 0600-01396842 -> VY For
USNO-A2.0 0600-01417721 -> UZ For
USNO-A2.0 0600-03809645 -> PU CMa
USNO-A2.0 0600-05222807 -> WY CMa
USNO-A2.0 0600-07740843 -> BV Pup
USNO-A2.0 0600-08118692 -> BX Pup
USNO-A2.0 0600-08797320 -> HZ Pup
USNO-A2.0 0600-09533862 -> DY Pup
USNO-A2.0 0600-10679543 -> WX Pyx
USNO-A2.0 0600-11712070 -> VZ Pyx
USNO-A2.0 0600-12417734 -> MN Hya
USNO-A2.0 0600-15217174 -> EX Hya
USNO-A2.0 0600-15494580 -> CE 315
USNO-A2.0 0600-15794581 -> LY Hya
USNO-A2.0 0600-17903832 -> GW Lib
USNO-A2.0 0600-20045640 -> V893 Sco
USNO-A2.0 0600-24362115 -> V2051 Oph
USNO-A2.0 0600-25058849 -> V2400 Oph
USNO-A2.0 0600-35893288 -> HD 171858
USNO-A2.0 0600-39884926 -> V729 Sgr
USNO-A2.0 0600-44298517 -> TY PsA
USNO-A2.0 0600-44587161 -> VY Scl
USNO-A2.0 0600-44740845 -> VZ Scl
USNO-A2.0 0675-00464088 -> WX Cet
USNO-A2.0 0675-01471080 -> XZ Eri
USNO-A2.0 0675-01565493 -> J0425-1945
USNO-A2.0 0675-01742167 -> J1002-1925
USNO-A2.0 0675-08656079 -> VV Pup

USNO-A2.0 0675-10804884 -> J1002-2017
USNO-A2.0 0675-11325768 -> TU Crt
USNO-A2.0 0675-11833064 -> TW Crv
USNO-A2.0 0675-12002236 -> TV Crv
USNO-A2.0 0675-15585017 -> V818 Sco
USNO-A2.0 0675-19980286 -> V442 Oph
USNO-A2.0 0750-00044001 -> WW Cet
USNO-A2.0 0750-00472877 -> 0158-0939
USNO-A2.0 0750-00707021 -> CP Eri
USNO-A2.0 0750-00784615 -> BPM 71214
USNO-A2.0 0750-00977203 -> AH Eri
USNO-A2.0 0750-02876696 -> J0649-0737
USNO-A2.0 0750-05134534 -> UY Pup
USNO-A2.0 0750-07214566 -> RW Sex
USNO-A2.0 0750-07216335 -> 1017-0838
USNO-A2.0 0750-07372494 -> J1050-1404
USNO-A2.0 0750-07593808 -> TT Crt
USNO-A2.0 0750-07937334 -> HW Vir
USNO-A2.0 0750-08224965 -> HS Vir
USNO-A2.0 0750-08256343 -> 1347-1258
USNO-A2.0 0750-08417030 -> 1414-0848
USNO-A2.0 0750-09057165 -> HP Lib
USNO-A2.0 0750-10239160 -> V841 Oph
USNO-A2.0 0750-12784351 -> UZ Ser
USNO-A2.0 0750-18008187 -> DH Aql
USNO-A2.0 0750-18756420 -> V1432 Aql
USNO-A2.0 0750-19426244 -> UU Aql
USNO-A2.0 0750-20686374 -> VY Aqr
USNO-A2.0 0750-21132595 -> 2209-1444
USNO-A2.0 0750-21164531 -> FO Aqr
USNO-A2.0 0825-00489214 -> BO Cet
USNO-A2.0 0825-01311659 -> AQ Eri
USNO-A2.0 0825-01405960 -> V1193 Ori
USNO-A2.0 0825-01532060 -> V1159 Ori
USNO-A2.0 0825-01724700 -> CN Ori
USNO-A2.0 0825-02326455 -> V616 Mon
USNO-A2.0 0825-03048036 -> BT Mon
USNO-A2.0 0825-05582317 -> J0749-0549
USNO-A2.0 0825-06779124 -> MM Hya
USNO-A2.0 0825-07139947 -> SW Sex
USNO-A2.0 0825-07211912 -> UZ Sex
USNO-A2.0 0825-07268865 -> J1039-0506
USNO-A2.0 0825-07317749 -> 1047-0436
USNO-A2.0 0825-07463215 -> J1125-0016
USNO-A2.0 0825-07547424 -> TW Vir
USNO-A2.0 0825-07825616 -> 1241-0102
USNO-A2.0 0825-08062481 -> NY Vir
USNO-A2.0 0825-08311993 -> J1424-0227
USNO-A2.0 0825-08375469 -> OU Vir
USNO-A2.0 0825-09269229 -> X  Ser
USNO-A2.0 0825-13277160 -> CI Aql
USNO A2.0 0825-16104651 -> DO Aql
USNO A2.0 0825-18031378 -> V794 Aql
USNO-A2.0 0825-18575314 -> AE Aqr
USNO-A2.0 0825-19016595 -> HU Aqr
USNO-A2.0 0825-19514021 -> FF Aqr
USNO-A2.0 0825-19565561 -> UU Aqr
USNO-A2.0 0825-19811517 -> AO Psc
USNO-A2.0 0825-19899444 -> J2316-0527
USNO-A2.0 0900-00248368 -> Feige 11
USNO-A2.0 0900-00380276 -> AY Psc
USNO-A2.0 0900-00450495 -> J0155+0028
USNO-A2.0 0900-00603573 -> Feige 24
USNO-A2.0 0900-01480418 -> V1309 Ori
USNO-A2.0 0900-03178341 -> CW Mon
USNO-A2.0 0900-05053437 -> SV CMi
USNO-A2.0 0900-06180112 -> CT Hya
USNO-A2.0 0900-06236597 -> J0859+0536
USNO-A2.0 0900-06374678 -> 0918+0258
USNO-A2.0 0900-06464240 -> Leo 7

USNO-A2.0 0900-06484685 -> 0940+0849
USNO-A2.0 0900-06492489 -> J0944+0358
USNO-A2.0 0900-06683926 -> 1022+0501
USNO-A2.0 0900-06968536 -> RZ Leo
USNO-A2.0 0900-06972265 -> T  Leo
USNO-A2.0 0900-07178323 -> 1230+0514
USNO-A2.0 0900-07368877 -> HV Vir
USNO-A2.0 0900-07624036 -> GK Vir
USNO-A2.0 0900-08458221 -> J1610+0352
USNO-A2.0 0900-08695888 -> 1627+0144
USNO-A2.0 0900-10672793 -> V380 Oph
USNO-A2.0 0900-11675451 -> V426 Oph
USNO-A2.0 0900-12865791 -> 1824+0402
USNO-A2.0 0900-14115992 -> V1333 Aql
USNO-A2.0 0900-14841477 -> V1494 Aql
USNO-A2.0 0900-19696718 -> IR Peg
USNO-A2.0 0900-20081292 -> HL Aqr
USNO-A2.0 0900-20306457 -> J2303+0106
USNO-A2.0 0900-20419850 -> J2329+0628
USNO-A2.0 0975-00363803 -> 0133+1124
USNO-A2.0 0975-00628622 -> WX Ari
USNO-A2.0 0975-00708136 -> CC Cet
USNO-A2.0 0975-02882242 -> V1055 Ori
USNO-A2.0 0975-05214393 -> BG CMi
USNO-A2.0 0975-05532070 -> PQ Gem
USNO-A2.0 0975-05760609 -> 0808+1106
USNO-A2.0 0975-06024346 -> AC Cnc
USNO-A2.0 0975-06090385 -> AK Cnc
USNO-A2.0 0975-06171266 -> 0907+1220
USNO-A2.0 0975-06195864 -> GZ Cnc
USNO-A2.0 0975-06235961 -> 0922+1333
USNO-A2.0 0975-06349536 -> X  Leo
USNO-A2.0 0975-06358045 -> J0953+1458
USNO-A2.0 0975 06450035 -> GG Leo
USNO-A2.0 0975-06484147 -> U  Leo
USNO-A2.0 0975-06981850 -> AL Com
USNO-A2.0 0975-07032940 -> 1244+1119
USNO-A2.0 0975-07297571 -> CR Boo
USNO-A2.0 0975 07311912 -> 1349+1424
USNO-A2.0 0975-07829422 -> QW Ser
USNO-A2.0 0975-07860695 -> 1528+1025
USNO-A2.0 0975-07968400 -> CT Ser
USNO-A2.0 0975-08026398 -> NN Ser
USNO-A2.0 0975-08426428 -> V849 Her
USNO-A2.0 0975-08451887 -> V544 Her
USNO-A2.0 0975-10194043 -> V2301 Oph
USNO-A2.0 0975-10853712 -> V849 Oph
USNO-A2.0 0975-13700591 -> V446 Her
USNO-A2.0 0975-14384125 -> V1315 Aql
USNO-A2.0 0975-14821734 -> V368 Aql
USNO-A2.0 0975-15369348 -> KX Aql
USNO-A2.0 0975-16891553 -> V500 Aql
USNO-A2.0 0975-19307268 -> HO Del
USNO-A2.0 0975-20472447 -> LQ Peg
USNO-A2.0 0975-20642251 -> LS Peg
USNO A2.0 0975-20698720 -> J2157+0855
USNO-A2.0 0975-21346343 -> HX Peg
USNO-A2.0 1050-00104732 -> QR And
USNO-A2.0 1050-00582755 -> TT Ari
USNO-A2.0 1050-01044265 -> V471 Tau
USNO-A2.0 1050-01300834 -> HZ 9
USNO-A2.0 1050-01326748 -> J0230-6842
USNO-A2.0 1050-01567769 -> V1208 Tau
USNO-A2.0 1050-03255349 -> CZ Ori
USNO A2.0 1050-04003026 -> UV Gem
USNO-A2.0 1050-05472187 -> U  Gem
USNO-A2.0 1050-05793655 -> CC Cnc
USNO-A2.0 1050-05892281 -> 0850+1700
USNO-A2.0 1050-05931674 -> SY Cnc
USNO-A2.0 1050-05975509 -> GY Cnc

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USNO-A2.0 1050-06091591 -> 0934+1838
USNO-A2.0 1050-06335317 -> DO Leo
USNO-A2.0 1050-06466209 -> 1114+1842
USNO-A2.0 1050-06466903 -> DP Leo
USNO-A2.0 1050-06469200 -> 1115+1637
USNO-A2.0 1050-06723015 -> OY Car
USNO-A2.0 1050-06758983 -> IR Com
USNO-A2.0 1050-06794641 -> 1248+1626
USNO-A2.0 1050-06948324 -> 1329+1556
USNO-A2.0 1050-07227750 -> 1432+1553
USNO-A2.0 1050-07272591 -> UZ Boo
USNO-A2.0 1050-07571337 -> LX Ser
USNO-A2.0 1050-07670226 -> MR Ser
USNO-A2.0 1050-07701593 -> QZ Ser
USNO-A2.0 1050-07904643 -> V589 Her
USNO-A2.0 1050-08042508 -> QU Car
USNO-A2.0 1050-08920242 -> 1735+2210
USNO-A2.0 1050-09570103 -> V884 Her
USNO-A2.0 1050-14048324 -> WY Sge
USNO-A2.0 1050-15420156 -> V405 Vul
USNO-A2.0 1050-15879624 -> AW Sge
USNO-A2.0 1050-16212554 -> RZ Sge
USNO-A2.0 1050-16865498 -> V1101 Aql
USNO-A2.0 1050-17303878 -> V  Sge
USNO-A2.0 1050-17580956 -> CM Del
USNO-A2.0 1050-17606019 -> EZ Del
USNO-A2.0 1050-18116455 -> 2032+1849
USNO-A2.0 1050-20546781 -> V369 Peg
USNO-A2.0 1050-20652854 -> IP Peg
USNO-A2.0 1125-00026348 -> 0001+2731
USNO-A2.0 1125-00183860 -> PX And
USNO-A2.0 1125-00663858 -> AI Tri
USNO-A2.0 1125-00775803 -> RW Tri
USNO-A2.0 1125-02004889 -> V1062 Tau
USNO-A2.0 1125-02825338 -> FS Aur
USNO-A2.0 1125-03660171 -> KR Aur
USNO-A2.0 1125-04445570 -> DM Gem
USNO-A2.0 1125-04523726 -> IR Gem
USNO-A2.0 1125-05530395 -> YZ Cnc
USNO-A2.0 1125-05637562 -> AT Cnc
USNO-A2.0 1125-05713912 -> EG Cnc
USNO-A2.0 1125-06238753 -> Feige 36
USNO-A2.0 1125-06242754 -> ST LMi
USNO-A2.0 1125-06270222 -> 1110+2924
USNO-A2.0 1125-06289986 -> 1116+3008
USNO-A2.0 1125-06391488 -> EU UMa
USNO-A2.0 1125-06619416 -> GO Com
USNO-A2.0 1125-06641143 -> 1300+2756
USNO-A2.0 1125-07197005 -> NY Ser
USNO-A2.0 1125-07204387 -> 1512+2421
USNO-A2.0 1125-07343980 -> Ton 245
USNO-A2.0 1125-07424531 -> J1554+2721
USNO-A2.0 1125-07782854 -> AH Her
USNO-A2.0 1125-08186226 -> V478 Her
USNO-A2.0 1125-08281880 -> 1725+2510
USNO-A2.0 1125-08500001 -> V660 Her
USNO-A2.0 1125-09693008 -> V477 Lyr
USNO-A2.0 1125-10620888 -> CY Lyr
USNO-A2.0 1125-11641066 -> J1910+2856
USNO-A2.0 1125-12609819 -> PW Vul
USNO-A2.0 1125-13015770 -> V2214 Cyg
USNO-A2.0 1125-15066679 -> QQ Vul
USNO-A2.0 1125-17520116 -> VW Vul
USNO-A2.0 1125-19596388 -> MS Peg
USNO-A2.0 1125-19860308 -> 2331+2902
USNO-A2.0 1200-00093390 -> V402 And
USNO-A2.0 1200-00590498 -> TY Psc
USNO-A2.0 1200-00670068 -> TW Tri
USNO-A2.0 1200-01028279 -> WY Tri
USNO-A2.0 1200-01165067 -> PU Per
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USNO-A2.0 1200-03365678 -> QZ Aur
USNO-A2.0 1200-03445301 -> T  Aur
USNO-A2.0 1200-03480793 -> V363 Aur
USNO-A2.0 1200-05245892 -> DN Gem
USNO-A2.0 1200-06168803 -> 0849+3155
USNO-A2.0 1200-06283795 -> BK Lyn
USNO-A2.0 1200-06291534 -> AR Cnc
USNO-A2.0 1200-06403392 -> RZ LMi
USNO-A2.0 1200-06438260 -> RU LMi
USNO-A2.0 1200-06609002 -> SX LMi
USNO-A2.0 1200-06640119 -> 1101+3626
USNO-A2.0 1200-06868136 -> UX CVn
USNO-A2.0 1200-06896492 -> LM Com
USNO-A2.0 1200-07320026 -> 1428+3723
USNO-A2.0 1200-07718962 -> VW CrB
USNO-A2.0 1200-08008741 -> J1643+3402
USNO-A2.0 1200-08261501 -> V975 Her
USNO-A2.0 1200-08286690 -> 1713+3316
USNO-A2.0 1200-10197946 -> DM Lyr
USNO-A2.0 1200-12416691 -> EM Cyg
USNO-A2.0 1200-13532067 -> J1951+3716
USNO-A2.0 1200-13727566 -> EY Cyg
USNO-A2.0 1200-13996981 -> J1958+3232
USNO-A2.0 1200-20049056 -> 2345+3148
USNO-A2.0 1275-00411469 -> HV And
USNO-A2.0 1275-00640172 -> RX And
USNO-A2.0 1275-00747922 -> FO And
USNO-A2.0 1275-01038868 -> AR And
USNO-A2.0 1275-01687112 -> PV Per
USNO-A2.0 1275-01784070 -> PY Per
USNO-A2.0 1275-04856716 -> J0524+4244
USNO-A2.0 1275-07348725 -> 0839+3955
USNO-A2.0 1275-07432546 -> BP Lyn
USNO-A2.0 1275-07584869 -> DV UMa
USNO-A2.0 1275-07720606 -> WX LMi
USNO-A2.0 1275-07752359 -> 1032+4036
USNO-A2.0 1275-07883451 -> AR UMa
USNO-A2.0 1275-08109321 -> AM CVn
USNO-A2.0 1275-08560013 -> TT Boo
USNO-A2.0 1275-08931436 -> V844 Her
USNO-A2.0 1275-09285729 -> 1716+4237
USNO-A2.0 1275-09290751 -> V825 Her
USNO-A2.0 1275-09339023 -> 1007 Her
USNO-A2.0 1275-09861364 -> V533 Her
USNO-A2.0 1275-10154193 -> LL Lyr
USNO-A2.0 1275-10304294 -> AY Lyr
USNO-A2.0 1275-10792753 -> MV Lyr
USNO-A2.0 1275-11491256 -> V1504 Cyg
USNO-A2.0 1275-12319964 -> 1946+4340
USNO-A2.0 1275-13659483 -> J2013+4002
USNO-A2.0 1275-13933042 -> V503 Cyg
USNO-A2.0 1275-14065252 -> 2040+3954
USNO-A2.0 1275-14251828 -> V751 Cyg
USNO-A2.0 1275-15554373 -> V2069 Cyg
USNO-A2.0 1275-16332748 -> SS Cyg
USNO-A2.0 1275-16401789 -> V1341 Cyg
USNO-A2.0 1275-16760408 -> 2154+4048
USNO-A2.0 1275-18438772 -> DX And
USNO-A2.0 1275-18528980 -> J2337+4308
USNI-A2.0 1275-18605236 -> LD 317
USNO-A2.0 1350-01534661 -> KT Per
USNO-A2.0 1350-04797648 -> FY Per
USNO-A2.0 1350-06503630 -> SS Aur
USNO-A2.0 1350-07133477 -> DN Lyn
USNO-A2.0 1350-07329647 -> J0813+4528
USNO-A2.0 1350-07361464 -> J0820+4934
USNO-A2.0 1350-07369248 -> BH Lyn
USNO-A2.0 1350-07431333 -> EI UMa
USNO-A2.0 1350-07549201 -> DI UMa
USNO-A2.0 1350-07611360 -> 0928+5004
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USNO-A2.0 1350-07655993 -> ER UMa
USNO-A2.0 1350-07836452 -> 1045-5234
USNO-A2.0 1350-07862611 -> CY UMa
USNO-A2.0 1350-07885288 -> AN UMa
USNO-A2.0 1350-07924276 -> KV UMa
USNO-A2.0 1350-08018313 -> BC UMa
USNO-A2.0 1350-08033471 -> BE UMa
USNO-A2.0 1350-08279827 -> DE CVn
USNO-A2.0 1350-08303671 -> UX UMa
USNO-A2.0 1350-08854325 -> 1619+5213
USNO-A2.0 1350-09327233 -> 1743+4742
USNO-A2.0 1350-09507821 -> DQ Her
USNO-A2.0 1350-09581530 -> AM Her
USNO-A2.0 1350-10742181 -> 1933+5100
USNO-A2.0 1350-12218738 -> V1776 Cyg
USNO-A2.0 1350-18714761 -> V630 Cas
USNO-A2.0 1425-00489557 -> V592 Cas
USNO-A2.0 1425-00670606 -> 0025+5402
USNO-A2.0 1425-00678902 -> V709 Cas
USNO-A2.0 1425-01142168 -> GX Cas
USNO-A2.0 1425-01506599 -> V723 Cas
USNO-A2.0 1425-02812180 -> V  Per
USNO-A2.0 1425-03022930 -> UV Per
USNO-A2.0 1425-03116831 -> TZ Per
USNO-A2.0 1425-04380390 -> AF Cam
USNO-A2.0 1425-05194517 -> IQ Cam
USNO-A2.0 1425-06347368 -> V405 Aur
USNO-A2.0 1425-07186488 -> SW UMa
USNO-A2.0 1425-07238187 -> BZ UMa
USNO-A2.0 1425-07480336 -> KS UMa
USNO-A2.0 1425-07514986 -> DW UMa
USNO-A2.0 1425-07542823 -> IY UMa
USNO-A2.0 1425-07565259 -> EK UMa
USNO-A2.0 1425-07788231 -> EG UMa
USNO-A2.0 1425-07865356 -> 1247+5522
USNO-A2.0 1425-08326626 -> DM Dra
USNO-A2.0 1425-08394436 -> J1553+5516
USNO-A2.0 1425-09302151 -> J1846+5538
USNO-A2.0 1425-09486239 -> CG Dra
USNO-A2.0 1425-09649928 -> V1113 Cyg
USNO-A2.0 1425-09702479 -> V2176 Cyg
USNO-A2.0 1425-10203189 -> V1028 Cyg
USNO-A2.0 1425-10809519 -> V1974 Cyg
USNO-A2.0 1425-13714796 -> DI Lac
USNO-A2.0 1425-14528389 -> V425 Cas
USNO-A2.0 1425-15433785 -> V705 Cas
USNO-A2.0 1500-01194794 -> HT Cas
USNO-A2.0 1500-02918093 -> V664 Cas
USNO-A2.0 1500-03107120 -> FT Cam
USNO-A2.0 1500-04322936 -> BY Cam
USNO-A2.0 1500-04753745 -> J0704+6203
USNO-A2.0 1500-04780867 -> 0705+6700
USNO-A2.0 1500-04947758 -> HT Cam
USNO-A2.0 1500-04996346 -> SU UMa
USNO-A2.0 1500-05264777 -> 1000+6643
USNO-A2.0 1500-05456576 -> 1136+6646
USNO-A2.0 1500-05508146 -> Feige 55
USNO-A2.0 1500-05846206 -> KV Dra
USN)-A2.0 1500-05910265 -> 1519+6402
USNO-A2.0 1500-05921829 -> ES Dra
USNO-A2.0 1500-06287241 -> J1730+6247
USNO-A2.0 1500-06451198 -> IX Dra
USNO-A2.0 1500-07253288 -> 2009+6216
USNO-A2.0 1500-07381467 -> Var 73 Dra
USNO-A2.0 1500-09347870 -> GD 552
USNO-A2.0 1575-01132823 -> J0153+7446
USNO-A2.0 1575-01370275 -> AM Cas
USNO-A2.0 1575-01998590 -> 0416+7007
USNO-A2.0 1575 02453178 -> 0551+7214
USNO-A2.0 1575-02456466 -> J0558+6753

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USNO-A2.0 1575-02545679 -> J0625+7334
USNO-A2.0 1575-02559940 -> BZ Cam
USNO-A2.0 1575-02696117 -> HR Cam
USNO-A2.0 1575-02857529 -> Z  Cam
USNO-A2.0 1575-03044570 -> CH UMa
USNO-A2.0 1575-03061547 -> CI UMa
USNO-A2.0 1575-03191958 -> DO Dra
USNO-A2.0 1575-03583454 -> SS UMi
USNO-A2.0 1575-03902709 -> EX Dra
USNO-A2.0 1575-04110989 -> EP Dra
USNO-A2.0 1650-00354830 -> 0136+7653
USNO-A2.0 1650-01480213 -> 1043+7600
USNO-A2.0 1650-02196617 -> AB Dra
USNO-A2.0 1725-00218395 -> 0455+8315
US 31                   -> GO Com
US 177                  -> 1300+2756
US 943                  -> DV UMa
US 3019                 -> EU UMa
Var 64 Cam              -> FT Cam
Var 21 CrB              -> VW CrB
Var 73 Dra              =  USNO-A2.0 1500-07381467
Var 43 Her              -> V844 Her
V1 (47 Tuc)             -> NGC 104-CV1
V3 (47 Tuc)             -> NGC 104-CV3
V46 (M 4)               -> NGC 6121-V46
V62 And                 -> V402 And
V2008-6527              -> V349 Pav
V2009-65.5              -> V349 Pav
WR 109                  -> 617 Sgr
WR 124                  -> QR Sge
WT 2014                 -> CE 315
X5 (47 Tuc)             -> NGC 104-X5
X7 (47 Tuc)             -> NGC 104-X7
X9 (47 Tuc)             -> NGC 104-CV1
X10 (47 Tuc)            -> NGC 104-CV3
4 Dra                   =  AGK +69 515 = BD +70 700 = GSC 4394.1871
                        =  HD 108907 =  HIP 60998 = SAO 015816
                        =  1227+6928 (IRAS)
4 Dra bc               ->  CQ Dra bc
47 Tuc                 ->  NGC 104, globular cluster, variables -> AKO 9,
                           -> NGC 104-CV1, -> NGC 104-CV3, -> NGC 104-X5,
                           -> NGC 104-X7
209 BAC                 -> QR Sge
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## Part IV: Names Involving the Equatorial Coordinates

(In order of increasing B1950 right ascension)

| HHMMSDDMM (B1950) | HHMMSDDMM (J2000) | |
|---|---|---|
| 0001+2731 | 0003+2748 | = GSC 1735.1772 = USNO-A2.0 1125-00026348 |
| | | = 0001+2731 (PG) |
| 0008-1145 | 0011-1128 | -> WW Cet |
| 0017+2140 | 0019+2156 | -> QR And |
| 0018-5159 | 0021-5142 | -> CM Phe |
| 0018+5525 | 0020+5542 | -> V592 Cas |
| 0021-7221 | 0024-7204 | -> NGC 104-CV1 |
| 0025+5402 | 0028+5419 | = USNO-A2.0 1425-00670606 = 0024+5402 (KPD) |
| 0026+5900 | 0028+5917 | -> V709 Cas |
| 0027+2600 | 0030+2617 | -> PX And |
| 0035-7230 | 0037-7214 | = SMC 13 = 0035-7230 (1E, 2E) |
| | | = J0037-7214 (RX, 1RXS, WGA) |
| 0039+4101 | 0042+4118 | = J0042+4118 (XMM), in M31 = NGC 224 |
| 0040+4051 | 0043+4107 | = J0043+4107 (CXO, XMMU, RX), LMXB in the globular cluster Bol 158 |
| 0040+4101 | 0043+4117 | = M 31PSS (periodic supersoft source in M 31 = NGC 224) = J0043+4117 (XMMU) |
| 0042+3244 | 0044+3300 | = 0042+3244 (2A, 3A, 2S, 3U, 4U) |
| | | = J0044+3301 (1RXS) |
| 0101+0357 | 0104+0413 | -> Feige 11 |
| 0101+4101 | 0104+4117 | -> RX And |
| 0107+5948 | 0110+6004 | -> HT Cas |
| 0126-2355 | 0128-2339 | -> EQ Cet |
| 0131-6609 | 0132-6554 | -> CV Hyi |
| 0133+1124 | 0136+1139 | = GSC 0624.1165 = USNO-A2.0 0975-00363803 |
| | | = 0133+1124 (PG) |
| 0134+0701 | 0136+0716 | -> AY Psc |
| 0134+5042 | 0137+5057 | -> KT Per |
| 0135-0514 | 0137-0559 | -> L870-2 |
| 0136+7653 | 0141+7708 | = EGGR 339 = GD 420 = GSC 4498.0468 |
| | | = LP 013-249 = USNO-A2.0 1650-00354830 |
| | | = 0136+7653 (WD) |
| 0139-6808 | 0141-6753 | -> BL Hyi |
| 0148+7431 | 0153+7446 | = USNO-A2.0 1575-01132823 = J0153+7446 (RX) |
| 0152-6002 | 0154-5947 | = USNO-A2.0 0300-00577469 |
| | | = J0154-5974 (RE, RX) |
| 0153+0013 | 0155+0028 | = LB 210 = LWD 799 = PB 6502 = PHL 1242 |
| | | = USNO-A2.0 0900-00450495 |
| | | = J0155+0028 (SDSS, 1RXS) |
| 0158-0939 | 0200-0924 | = Cet 3 = USNO-A2.0 0750-00472877 |
| | | = 0158-0939 (KUV) |
| 0200+2944 | 0203+2959 | -> AI Tri |
| 0204-0217 | 0206-0203 | -> BO Cet |
| 0204+1503 | 0206+1517 | -> TT Ari |
| 0208-6332 | 0209-6318 | -> WX Hyi |
| 0230-6855 | 0230-6842 | = RBS 324 = USNO-A2.0 1050-01326748 |
| | | = J0230-6842 (1RXS) |
| 0232+0330 | 0235+0343 | -> Feige 24 |
| 0234-5232 | 0236-5219 | -> WW Hor |
| 0244+1023 | 0244+1035 | -> WX Ari |
| 0253+1914 | 0256+1926 | -> XY Ari |
| 0308+0938 | 0310+0949 | -> CC Cet |
| 0312-2246 | 0314-2235 | -> EF Eri |
| 0317+6054 | 0321+6105 | -> FT Cam |
| 0327+4344 | 0331+4354 | -> GK Per |
| 0329-2607 | 0332-2556 | -> VY For |
| 0333-2554 | 0335-2544 | -> UZ For |
| 0347+1705 | 0350+1714 | -> V471 Tau |
| 0357+0614 | 0400+0622 | -> Tau 2 |
| 0409-7125 | 0409-7117 | -> VW Hyi |
| 0416+7007 | 0421+7014 | = EGGR 481 = GD 249 = USNO-A2.0 1575-01998590 |
| | | = 0416+7007 (WD) |
| 0418+3247 | 0421+3254 | -> V518 Per |

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0419-4846    0421-4839   -> RR Cae
0422-2014    0424-2007   =  GSC 5896.0080 = 0422-2014 (EC)
                         =  J0424-2007 (1RXS)
0422+5421    0426+5428   -> IQ Cam
0423-1952    0425-1945   =  RBS 541 = USNO-A2.0 0675-01565493
                         =  J0425-1945 (1RXS)
0424-5721    0425-5714   =  USNO-A1.0 0300-01336459
                         =  USNO-A2.0 0300-01327865
                         =  J0425-5714 (EUVE, RX)
0429+1738    0432+1745   -> HZ 9
0439-6814    0439-6809   =  J0439-6809 (RX, 1RXS)
0451-4218    0453-4213   -> RS Cae
0455+8315    0506+8319   =  USNO-A2.0 1725-00218395 = 0455+8315 (HS)
0456+1921    0459+1926   -> V1208 Tau
0459-0403    0501-0359   -> HY Eri
0459+2141    0502+2445   -> V1062 Tau
0503-0412    0506-0408   -> AQ Eri
0510-3245    0512-3241   -> UU Col
0511-7955    0507-7951   =  GSC 9373.0613 = USNO-A2.0 0075-00868761
                         =  0511-7955 (EC)
0513+0101    0515+0104   -> V1309 Ori
0514-6955    0513-6951   =  HV 5682 = J0513-6951 (RX, 1RXS)
0520+4242    0524+4244   =  USNO A1.0 1275 04895678
                         =  USNO-A2.0 1275-04856716 = J0524+4244 (1RXS)
0521-7200    0520-7157   -> LMC X-2
0526-0336    0528-0333   -> V1159 Ori
0527-3251    0529-3249   -> TV Col
0528-6956    0527-6954   =  HV 2554? = J0527-6954 (RX, 1RXS)
0528-5857    0529-5854   =  GSC 8530.0528 = USNO-A2.0 0300-01739734
                         =  0528-5857 (EC) = J0529-5854 (1RXS)
0530-4626    0531-4624   -> UW Pic
0530+3657    0533+3659   -> V363 Aur
0534-5803    0534-5801   -> TW Pic
0538-7035    0537-7034   =  J0537-7034 (RX)
0538+6050    0542+6051   -> BY Cam
0541-4103    0543-4101   -> TX Col
0543-6823    0543-6822   -> CAL 83
0546-6835    0546-6836   -> CAL 86
0547-7109    0546-7108   -> CAL 87
0549-0525    0552-0525   -> CN Ori
0551+7214    0557+7241   =  USNO-A2.0 1575 02453178 = 0551+7241 (HS)
0552+6753    0558+6753   =  USNO-A2.0 1575-02456466 = J0558+6753 (RX)
0553+5353    0558+5353   -> V405 Aur
0556-5935    0557-5953   =  GSC 8532.0218 = USNO-A2.0 0300-01962105
                         =  0556-5935 (EC)
0609-4843    0610-4844   -> V347 Pup
0612+2836    0615+2835   -> KR Aur
0614+0909    0617+0908   -> V1055 Ori
0616-8148    0611-8149   -> AH Men
0618+7336    0625+7334   =  USNO-A2.0 1575-02545679 = J0625+7334 (1RXS)
0620-0019    0622-0020   -> V616 Mon
0623+7106    0629+7104   -> BZ Cam
0635-6235    0635-6238   -> RR Pic
0638-2420    0640-2423   -> PU CMa
0643-1648    0645-1651   -> HL CMa
0646-4415    0648-4418   -> HD 49798
0647-0734    0649-0737   =  USNO-A1.0 0750-02887019
                         =  USNO-A2.0 0750-02876696
                         =  J0649-0737 (RX, 1RXS)
0659+6207    0704+6203   =  USNO-A2.0 1500-04753745
                         =  J0704+6203 (RX, 1RXS)
0705+6700    0710+6655   =  FBS B763 = GSC 4123.0265
                         =  USNO-A2.0 1500-04780867
                         =  0705+6700 (FBS, HS)
0706-0043    0709-0048   -> V651 Mon
0710-3600    0712-3605   -> V348 Pup
0710+7406    0717+7400   -> HR Cam
0714+6603    0719+6557   -> HS Cam
0718-3141    0720-3147   -> IN CMa
0728+1002    0731+0956   -> BG CMi
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0728+4739    0731+4733   -> DN Lyn
0743-5249    0744-5257   -> V436 Car
0746-0541    0749-0549   =  USNO-A1.0 0825-05603282
                         =  USNO-A2.0 0825-05582317
                         =  J0749-0549 (RX, 1RXS)
0748-6737    0748-6745   -> UY Vol
0748+1452    0751+1444   -> PQ Gem
0752+2208    0755+2200   -> U  Gem
0752+6314    0757+6306   -> HT Cam
0802-4740    0803-4748   -> V516 Pup
0803+1536    0806+1527   =  J0806+1527 (RX, 1BMW)
0807+2817    0810+2808   -> YZ Cnc
0808-7623    0807-7632   -> Z  Cha
0808+1106    0811+1057   =  GSC 0798.0438 = USNO-A2.0 0975 05760609
                         =  0808+1106 (EGB) = central star of the planetary
                            nebula PN G211+22.6 = EGB 5
0808+6245    0812+6236   -> SU UMa
0809-3512    0811-3521   -> CP Pup
0809+4537    0813+4528   =  USNO-A2.0 1350-07329647 = J0813+4528 (SDSS)
0812-1854    0815-1903   -> VV Pup
0813-4904    0815-4913   -> IX Vel
0817+4944    0820+4934   =  RBS 696 = USNO-A2.0 1350-07361464
                         =  J0820+4934 (1RXS)
0818+5115    0822+5105   -> BH Lyn
0819+7316    0825+7306   -> Z  Cam
0830-2238    0833-2248   -> WX Pyx
0832+5339    0836+5328   -> SW UMa
0834+4848    0838+4838   -> EI UMa
0839+3955    0843+3944   =  FBS B55 = GSC 2982.1066 = KUV 345-30
                         =  USNO-A2.0 1275-07348725
                         =  0839+3955 (FBS, KUV, PG, WD)
0841+1303    0844+1252   -> AC Cnc
0849+3155    0852+3143   =  CBS 1 = GSC 2485.0686 = Ton 358
                         =  USNO-A2.0 1200-06168803 = 0849+3155 (PG)
0849+5800    0853+5748   -> BZ UMa
0850+1700    0853+1649   =  GSC 1394.0013 = USNO-A2.0 1050-05892281
                         =  0850+1700 (PG)
0855-2846    0857-2857   -> VW Pyx
0857-2417    0859-2428   -> VZ Pyx
0858+1805    0901+1753   -> SY Cnc
0859+4129    0903+4117   -> BP Lyn
0902-3210    0904-3222   -> T  Pyx
0907+1220    0910+1208   =  USNO-A2.0 0975-06171266 = 0907+1220 (PG)
0907+1902    0909+1849   -> GY Cnc
0911-0635    0914-0647   -> MM Hya
0913+0913    0915+0900   -> GZ Cnc
0917+3409    0920+3356   -> BK Lyn
0918+0258    0921+0246   =  GSC 0231.1572 = USNO-A2.0 0900-06374678
                         =  0918+0258 (PG)
0921-6304    0922-6317   -> V395 Car
0922+1333    0924+1320   =  USNO-A2.0 0975-06235961 = 0922+1333 (HS)
0923-4745    0925-4758   -> MR Vel
0926-2351    0929-2404   -> MN Hya
0927-3109    0929-3123   =  J0929-3123 (XTE)
0928+5004    0932+4950   =  UMa 6 = USNO-A2.0 1350-07611360
                         =  0928+5004 (H, 1H)
0934+1838    0937+1825   =  GSC 1413.0756 = USNO-A2.0 1350-06091591
                         =  0934+1838 (PG)
0935+0728    0938+0714   -> Leo 7
0940+0649    0942+0635   =  GSC 0242.1685 = USNO-A2.0 0900-06484685
                         =  0940+0649 (PG, WD)
0941+0411    0944+0358   =  USNO-A2.0 0900-06492489
                         =  J0944+0358 (RX, 1RXS)
0943+5207    0947+5154   -> ER UMa
0948+3421    0951+3407   -> RZ LMi
0950+1512    0953+1458   =  USNO-A2.0 0975-06358045
                         =  J0953+1458 (RX, 1RXS)
0957-6639    0959-6653   =  BPM 6114 = L101-26
                         =  USNO-A2.0 0225-07178443 = 0957-6639 (WD)
0959-1911    1002-1925   =  USNO-A2.0 0675-01742167
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                        =  J1002-1925 (RE, RX, 1RXS)
1000+6643    1004+6629  =  FBS B788 = UMa 7 = USNO-A2.0 1500-05264777
                        =  1000+6643 (FBS?, PG)
1003+6747    1007+6732  -> CH UMa
1005-6959    1006-7014  -> OY Car
1005-2002    1007-2017  =  USNO-A2.0 0675-10804884
                        =  J1007-2017 (RE, RX, 1RXS)
1011-4449    1013-4504  -> MM Vel
1012-0253    1015-0308  -> SW Sex
1012+0919    1015+0904  -> GG Leo
1013-4743    1015-4758  -> KO Vel
1013-0505    1016-0520  =  GSC 4910.1132 = 1013-0505 (WD)
                        =  J1016-0520 (EUVE, 2EUVE, RE, 2RE, RX,
                           1RXS, XUV)
1014-4048    1016-4103  -> V381 Vel
1014+7210    1018+7155  -> CI UMa
1017-0838    1020-0853  =  GSC 5490.0730 = USNO-A2.0 0750-07216335
                        =  1017-0838 (EC, PG)
1017-0826    1018-0841  -> RW Sex
1017+5319    1020+5304  -> KS UMa
1022+0501    1025+0446  =  GSC 0249.0562 = LP 550-52
                        =  USNO-A2.0 0900-06683926
                        =  1022+0501 (PG, WD)
1023+3900    1026+3845  -> WX LMi
1026+0014    1028-0000  -> UZ Sex
1030+5902    1033+5846  -> DW UMa
1032+4036    1035+4021  =  FBS B37 = GSC 3005.0579 = PB 385
                        =  USNO-A2.0 1275-07752359
                        =  1032+4036 (PG, UVO)
1037-0451    1039-0506  =  USNO-A2.0 0825-07268865
                        =  J1039-0506 (RX, 1RXS)
1038+1527    1040+1511  -> DO Leo
1042-6902    1044-6918  =  BPM 6502 = GSC 9211.0229 = LTT 3943
                        =  L101-80 = USNO-A2.0 0150-07535042
                        =  1042-6902 (WD)
1043+6351    1047+6335  -> FH UMa
1043+7600    1047+7544  =  GSC 4549.1829 = USNO-A2.0 1650-01480213
                        =  1043+7600 (PG)
1045+5234    1048+5218  =  UMa 5 = USNO-A2.0 1350-07836452
                        =  1045+5234 (CW) = J1048+5218 (1RXS)
1047-1420    1050-1404  =  USNO-A2.0 0750-07372494 = J1050-1404 (1RXS)
1047-0436    1050-0452  =  GSC 4917.0557 = USNO-A2.0 0825-07317749
                        =  1047-0436 (HE, PG)
1048+5420    1051+5404  -> EK UMa
1052-4831    1054-4847  -> KV Vel
1054+4957    1056+4941  -> CY UMa
1101-2121    1103-2137  -> TU Crt
1101+2455    1104+2439  -> Feige 36
1101+3626    1104+3610  =  CBS 134 = FBS B509 = GSC 2521.0868
                        =  Ton 1323 = USNO-A2.0 1200-06640119
                        =  1101+3626 (FBS, PG, WD)
1101+4519    1104+4503  -> AN UMa
1102+2522    1105+2506  -> ST LMi
1110+2924    1113+2907  =  CBS 38 = LB 10038 = PB 2322 = Ton 62
                        =  USNO-A2.0 1125-06270222 = 1110+2924 (PG)
1111-3724    1114-3740  -> V436 Cen
1112+4314    1115+4258  -> AR UMa
1114+1814    1117+1757  -> DP Leo
1114+1842    1117+1825  =  Leo 2 = USNO-A2.0 1050-06466209
                        =  1114+1842 (PG)
1115+1637    1117+1621  =  GSC 1437.0955 = USNO-A2.0 1050-06469200
                        =  1115+1637 (PG, WD)
1115+4818    1118+4808  -> KV UMa
1116+3008    1119+2951  =  CBS 39 = GSC 1983.1391 = LB 10117 = PB 2515
                        =  Ton 63 = USNO-A2.0 1125-06289986
                        =  1116+3008 (PG)
1123-0008    1125-0016  =  USNO-A2.0 0825-07463215 = J1125-0016 (2QZ)
1124-6824    1126-6840  -> GU Mus
1128+4339    1131+4322  =  J1131+4322 (1RXS, 1RXP)
1135+0338    1138+0322  -> T  Leo
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1136+6646    1139+6630   =  FBS B800 = GSC 4159.0297
                         =  USNO-A2.0 1500-05456576
                         =  1136+6646 (FBS, HS)
1139-6353    1141-6410   -> V1033 Cen
1140+7157    1143+7144   -> DO Dra
1142-0409    1145-0426   -> TW Vir
1147+2901    1149+2845   -> EU UMa
1152-5625    1155-5641   =  USNO-A1.0 0300-14373745
                         =  USNO-A2.0 0300-14294090
                         =  J1155-5641 (RX, 1RXS)
1155+4913    1157+4856   -> BE UMa
1157-1845    1200-1902   -> TW Crv
1202+6048    1204+6032   -> Feige 55
1204+4505    1206+4448   =  FBS B303 = 1204+4505 (FBS, PG, WD)
1212+3655    1214+3638   -> UX CVn
1213+5247    1215+5231   -> EG UMa
1224+3055    1226+3038   -> LM Com
1227+6928    1230+6921   -> 4 Dra
1230+0514    1233+0457   =  GSC 0292.0387 = USNO-A2.0 0900-07178323
                         =  1230+0514 (PG)
1232+3754    1234+3737   -> AM CVn
1235-3826    1238-3842   -> V1025 Cen
1237+2124    1239+2108   -> IR Com
1241-0823    1244-0840   -> HW Vir
1241-0102    1244-0118   =  GSC 4949.0906 = USNO-A2.0 0825-07825616
                         =  1241-0102 (PG, WD)
1244+1119    1247+1103   =  FAUST 3640 = FAUST 3664 = GSC 0885.1199
                         =  USNO-A2.0 0975-07032940 = 1244+1119 (PG)
1247+5522    1250+5506   =  GD 319 = GJ 3753 = GSC 3845.0640
                         =  USNO-A2.0 1425-07865356
                         =  1247+5522 (PG, SBS, WD)
1248+1626    1250+1610   =  GSC 1449.0766 = USNO-A2.0 1050-06794641
                         =  1248+1626 (PG)
1249-2858    1252-2914   -> EX Hya
1254-6901    1257-6917   -> GR Mus
1257-3036    1300-3052   =  J1300-3052 (CTCV)
1300+2756    1302+2740   =  CBS 335 = FAUST 3652 = GSC 1995.0045
                         =  KUV 494-4 = LB 27 = PB 3251 = US 177
                         =  USNO-A2.0 1125-06641143
                         =  1300+2756 (KUV, PG)
1303+1817    1305+1801   -> GP Com
1305+5407    1307+5351   -> EV UMa
1310-3243    1313-3259   =  GSC 7267.1198 = USNO-A2.0 0525-15910952
                         =  J1313-3259 (RX, 1RXS)
1317+4520    1319+4505   =  EGGR 188 = G 177-31 = GJ 2100
                         =  GSC 3460.1417 = LHS 6250
                         =  1317+4520 (PG, WD)
1320-4128    1323-4144   -> V803 Cen
1321-6145    1324-6200   =  J1324-6200 (1SAX)
1321+0336    1324+0320   =  J1324+0320 (SDSS)
1323-6152    1326-6208   =  1323-6152 (3A, 2E, EXO, 1M, 3U, 4U)
1324+4548    1326+4532   -> DE CVn
1328-5443    1331-5458   -> BV Cen
1329-2925    1331-2940   -> LY Hya
1329+1556    1331+1541   =  Feige 81 = GSC 1459.1061 = PB 3963
                         =  USNO-A2.0 1050-06948324 = 1329+1556 (PG)
1336-0146    1338-0201   -> NY Vir
1341-0759    1343-0814   -> HS Vir
1346+0812    1348+0757   -> CR Boo
1347-1258    1349-1313   =  GSC 5559.0143 = USNO-A2.0 0750-08256343
                         =  1347-1258 (EC) = J1349-1313 (1RXS)
1349+1424    1351+1409   =  GSC 0906.1057 = PB 4117
                         =  USNO-A2.0 0975-07311912
                         =  1349+1424 (PG, WD)
1354-6429    1358-6444   -> BW Cir
1405-4503    1409-4517   -> V834 Cen
1413+0131    1415+0117   -> GK Vir
1414-0848    1416-0902   =  USNO-A2.0 0750-08417030 = 1414-0848 (HE)
1420-0207    1422-0221   =  J1422-0221 (2QZ)
1422-0214    1424-0227   =  USNO-A2.0 0825-08311993 = J1424-0227 (2QZ)
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1426-3750    1429-3804   -> V895 Cen
1428+3723    1430+3710   =  CBS 188 = FBS B113
                         =  USNO-A2.0 1200-07320026
                         =  1428+3723 (FBS, KUV, PG, WD)
1432-0033    1435-0046   -> OU Vir
1432+1553    1435+1540   =  GSC 1477.1023 = USNO-A2.0 1050-07227750
                         =  1432+1553 (PG, WD)
1449-6804    1454-6816   -> BZ Cir
1449+6415    1450+6403   -> KV Dra
1455-3128    1458-3140   -> V822 Cen
1510+2326    1513+2315   -> NY Ser
1512+2421    1514+2410   =  GSC 2024.0631 = Ton 788
                         =  USNO-A2.0 1125-07204387 = 1512+2421 (PG)
1519+6402    1520+6352   =  GSC 4184.0139 = USNO-A2.0 1500-05910265
                         =  1519+6402 (PG)
1524+6211    1525+6201   -> ES Dra
1528+1025    1531+1015   =  GSC 0932.0044 = USNO-A2.0 0975-07860695
                         =  1528+1025 (PG)
1533-1403    1535-1413   -> HP Lib
1533+5958    1534+5948   -> DM Dra
1538+2658    1540+2648   -> Ton 245
1543-4730    1547-4740   -> IL Lup
1543+1431    1545+1422   -> CT Ser
1544-4519    1548-4528   =  J1548-4528 (1RXS)
1547-5619    1550-5628   -> V381 Nor
1550+1303    1552+1254   -> NN Ser
1550+1905    1552+1856   -> MR Ser
1551+7155    1550+7146   -> SS UMi
1552+2730    1554+2721   =  USNO-A2.0 1125-07424531
                         =  J1554+2721 (RX, 1RXS)
1552+5525    1553+5516   =  USNO-A2.0 1425-08394436 = J1553+5516 (SDSS)
1556-6035    1601-6043   -> LU TrA
1603+2600    1605+2551   -> UW CrB
1607+0400    1610+0352   =  RBS 1563 =  USNO-A2.0 0900-08458221
                         =  J1610+0352 (RX, 1RXS)
1608-5217    1612-5225   -> QX Nor
1612-2830    1615-2837   -> V893 Sco
1613-5055    1617-5102   =  1613-5055 (1E, 2E), X-ray source associated
                            with the SNR RCW 103 = G332.4-0.4
1617-1531    1619-1538   -> V818 Sco
1619+5213    1620+5206   =  GSC 3498.1721 = USNO-A2.0 1350-08854325
                         =  1619+5213 (SBSS, PG)
1624-4904    1628-4911   =  1624-4904 (3A, CGS, H, 1H, 1M, 2S, 2U,
                            3U, 4U) = J1628-4912 (1RXS)
1627-6721    1632-6727   -> KZ TrA
1627+0144    1629+0138   =  GSC 0369.0978 = USNO-A2.0 0900-08695888
                         =  1627+0144 (PG)
1633+1130    1635+1124   -> V849 Her
1636-5339    1640-5345   -> V801 Ara
1641+3408    1643+3402   =  GSC 2585.1677 = USNO-A2.0 1200-08008741
                         =  J1643+3402 (RX, 1RXS)
1642+2520    1644+2515   -> AH Her
1646-4952    1650-4957   =  J1650-4957 (XTE)
1650-3945    1654-3950   -> V1033 Sco
1656-1248    1659-1253   -> V841 Oph
1658-2952    1702-2956   -> V2134 Oph
1659-4843    1702-4847   -> V821 Ara
1702-3621    1705-3625   -> V1101 Sco
1704+4807    1705+4803   =  EGGR 577 = Sanduleak-Pesch binary BC
                         =  1704+4807BC (WD)
1705-4402    1708-4406   =  1705-4402 (3A, CGS, EXO, H, 1H, 1M, 2S,
                            3U, 4U)
1705-2501    1708-2505   -> V2107 Oph
1707-2804    1710-2807   =  J1710-2807 (1RXS, XTE)
1709-2411    1712-2414   -> V2400 Oph
1711+3334    1712+3331   -> V795 Her
1713+3316    1715+3313   =  BPM 92172 = EGGR 587 = FBS B596 = GD 360
                         =  USNO-A2.0 1200-08286690
                         =  1713+3316 (FBS, PG, WD)
1716-2458    1719-2501   -> V2293 Oph
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1716+4237    1718+4234   =  GSC 3081.0631 = USNO-A2.0 1275-09285729
                         =  1716+4237 (PG, WD)
1717+4118    1718+4115   -> V825 Her
1722+4116    1724+4114   -> V1007 Her
1725+2510    1727+2508   =  GSC 2079.1551 = USNO-A2.0 1125-08281880
                         =  1725+2510 (PG)
1726-1510    1729-1513   -> MT Ser
1728-1655    1731-1657   -> V2216 Oph
1729+6250    1730+6247   =  USNO-A2.0 1500-06287241 = J1730+6247 (SDSS)
1735-4425    1738-4427   -> V926 Sco
1735+2210    1737+2204   =  BD +22 3171 = GSC 1563.1018 = LSE 161
                         =  USNO-A2.0 1050-08920242 = 1735+2210 (UVO)
1740-2943    1743-2944   =  1740-2943 (IRAS, 1E, 2E)
                         =  "great anihilator"
1740+2349    1742+2348   -> V660 Her
1741-2843    1744-2844   =  J1744-2844 (2EG, 3EG, GRO)
1742-2900    1745-2901   =  J1745-2901 (AX),
                            not identical with A 1742-289
1743+4742    1744+4741   =  GSC 3514.0358 = USNO-A2.0 1350-09327233
                         =  1743+4742 (PG)
1746-3702    1750-3703   =  1746-3702 (3A, E, 1ES, CGS, H, 1H, 1M, MXB,
                            2S, 3U, 4U) = J1750-3703 (1RXS)
                         =  LMXB in the globular cluster NGC 6641
1747-3115    1750-3116   =  1747-3115 (GRS)
                         =  LMXB in the globular cluster Terzan 6
1748-3036    1751-3037   =  J1751-3037 (XTE)
1755-3348    1758-3348   -> V4134 Sgr
1758-2544    1801-2544   =  1758-2544 (GRS) = 1801-2544 (1RXS)
1758+0810    1800+0810   -> V2301 Oph
1759+1804    1802+1804   -> V884 Her
1804+6753    1804+6754   -> EX Dra
1805-3659    1808-3658   -> V4580 Sgr
1805+0551    1807+0551   -> V426 Oph
1811-1710    1814-1709   =  GX 13+1 = Sgr XR-2 = Sgr X-2
                         =  1811-1710 (3A, CGS, 1E, 1ES, H, 1H, 1M, 2S,
                            2U, 3U, 4U) =  J1814-1709 (1RXS)
1812+6703    1812+6704   -> IX Dra
1813-1403    1816-1402   =  GX 17+2 = GX +16.7 = Ser XR-2 = Ser X-2
                         =  1813-1403 (3A, CGS, H, 1H, 1M, 2S, 3U, 4U),
                            incorrectly identified with the variable
                            NP Ser
1814+4950    1816+4952   -> AM Her
1816-2525    1819-2524   -> V4641 Sgr
1820-3023    1823-3021   =  Sgr X-4 =  1820-3023 (3A, CGS, 1E, 1ES, H,
                            1H, 1M, MXB, 2S, 3U, 4U)
                         =  J1823-3021 (1RXS)
                         =  LMXB in the globular cluster NGC 6624
1822-3708    1825-3706   -> V691 CrA
1824+0402    1827+0403   =  EGGR 125 = G 21-15 = G 141-11 = LTT 15456
                         =  USNO-A2.0 0900-12865791 = 1824+0402 (WD)
1826-2349    1829-2347   -> V4634 Sgr
1828-2925    1832-2923   -> V1017 Sgr
1829-2845    1832-2843   -> Hf 2-2, central star
1829-0842    1832-0840   =  J1832-0840 (AX, WGA)
1832-3301    1835-3259   =  J1835-3259 (RX, 1RXS)
                         =  LMXB in the globular cluster NGC 6652
1837+0459    1839+0508   -> MM Ser
1838-7421    1844-7418   -> V347 Pav
1846+0031    1848+0035   -> V603 Aql
1846+5535    1846+5538   =  USNO-A2.0 1425-09302151
                         =  J1846+5538 (RX, 1RXS)
1850-0846    1853-0842   =  1850-0846 (1A, 3A, E, 1ES, 2E, H, 1H, MXB,
                            2S, 4U) = J1853-0842 (1RXS)
                         =  LMXB in the globular cluster NGC 6712
1851-3113    1855-3109   -> V1223 Sgr
1856+2235    1858+2239   -> V406 Vul
1905+4356    1907+4401   -> MV Lyr
1909+2851    1910+2856   =  USNO-A2.0 1125-11641066 = J1910+2856 (RX, 1RXS)
1906-6003#1  1910-5958#1 -> NGC 6752-CV1
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1906-6003#2  1910-5958#2 -> NGC 6752-CV2
1907+6903    1907+6908   -> EP Dra
1908+0030    1911+0035   -> V1333 Aql
1909+1646    1911+1651   -> QR Sge
1911+1212    1913+1217   -> V1315 Aql
1912+1051    1915+1056   -> V1487 Aql
1912+2451    1914+2456   -> V407 Vul
1916-0519    1918-0514   -> V1405 Aql
1924-5007    1928-5001   =  J1928-5001 (CTCV, 2EUVE)
1930+2752    1932+2758   -> V2214 Cyg
1931-5915    1935-5908   -> V345 Pav
1933+5100    1934+5107   =  Cyg 2 = USNO-A2.0 1350-10742181
                         =  1933+5100 (H, 1H)
1934-4619    1938-4612   -> QS Tel
1936+3023    1938+3030   -> EM Cyg
1937-1032    1940-1025   -> V1432 Aql
1944-4207    1947-4200   -> V3885 Sgr
1946+4340    1947+4347   =  USNO-A2.0 1275-12319964 = 1956+4340 (KPD)
1949+3709    1951+3716   =  USNO-A1.0 1200-13720959
                         =  USNO-A2.0 1200-13532067
                         =  J1951+3716 (RX, 1RXS)
1950+2106    1953+2114   -> V405 Vul
1951+7736    1949+7744   -> AB Dra
1953-5746    1957-5738   -> V393 Pav
1956+3224    1958+3232   =  USNO-A2.0 1200-13996981 = J1958+3232 (1WGA)
1957+1134    1959+1142   -> V1408 Aql
2000+2505    2002+2514   -> QZ Vul
2003+2231    2005+2240   -> QQ Vul
2003+5418    2005+5426   -> V1513 Cyg
2004-6536    2008-6527   -> V349 Pav
2005+1733    2007+1742   -> WZ Sge
2009+6216    2010+6225   =  EGGR 332 = GD 543 = LP 106-17
                         =  USNO-A2.0 1500-07253288 = 2009+6216 (WD)
2011+3953    2013+4002   =  USNO-A2.0 1275-13659483
                         =  J2013+4002 (EUVE, 2EUVE, RE, 2RE, RX, 1RXS,
                            WGA, XUV)
2014-0349    2017-0339   -> V794 Aql
2018+2056    2020+2106   -> V  Sge
2019-4003    2022-3954   -> V4738 Sgr
2022+3342    2024+3352   -> V404 Cyg
2029+5227    2030+5237   -> V1974 Cyg
2032+1849    2035+1859   =  BPM 95701 = EGGR 278 = GD 231
                         =  USNO-A2.0 1050-18116455 = 2032+1849 (WD)
2037-0102    2040-0052   -> AE Aqr
2040+1858    2042+1909   -> HR Del
2040+3954    2042+4005   =  USNO-A2.0 1275-14065252 = 2040+3954 (KPD)
2050+4408    2052+4419   -> V751 Cyg
2105-0529    2107-0517   -> HU Aqr
2109+4756    2111+4809   -> V1500 Cyg
2111-5853    2115-5840   -> CD Ind
2120-0600    2123-0547   -> LZ Aqr
2121+4205    2123+4218   -> V2069 Cyg
2124+1909    2126+1922   -> IK Peg
2127+1156    2129+1210   -> AC 211
2128+4656    2130+4710   =  J2130+4710 (RX)
2129+4704    2131+4717   -> V1727 Cyg
2131+0637    2134+0650   -> IR Peg
2133+1127    2136+1140   -> LQ Peg
2138-4518    2141-4504   -> CF Gru
2140+4321    2142+4335   -> SS Cyg
2142+3805    2144+3819   -> V1341 Cyg
2154+4048    2156+4102   =  USNO-A2.0 1275-16760408
                         =  2154+4048 (KPD, WD)
2155+0840    2157+0855   =  USNO A2.0 0975-20698720
                         =  J2157+0855 (RX, 1RXS)
2209-1444    2212-1429   =  GSC 5809.1053 = USNO-A2.0 0750-21132595
                         =  2209-1444 (HE)
2211+1227    2214+1242   -> RU Peg
2215-0836    2217-0821   -> FO Aqr
2233+5227    2235+5242   -> DI Lac
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2252-0326    2255-0310   -> AO Psc
2256+2459    2258+2515   -> MS Peg
2301+0050    2303+0106   =  PB 5229 = USNO-A2.0 0900-20306457
                         =  J2303+0106 (SDSS)
2301+1701    2303+1717   -> V369 Peg
2312-5927    2315-5910   -> CP Tuc
2312-3105    2315-3048   =  RBS 1969 = USNO-A2.0 0525-44171827
                         =  2312-3105 (EC) = J2315-3048 (RX, 1RXS)
2313-0543    2316-0527   =  Aqr 5 = RBS 1973 = USNO-A2.0 0825-19899444
                         =  J2316-0527 (RE, RX, 1RXS)
2320+1808    2323+1825   -> IP Peg
2326-3003    2329-2946   -> VY Scl
2327+0611    2329+0628   =  USNO-A2.0 0900-20419850
                         =  J2329+0628 (1RXS)
2331+2902    2334+2918   =  EGGR 585 = GD 251 = USNO-A2.0 1125-19860308
                         =  2331+2902 (PG, WD)
2335+4252    2337+4308   =  USNO-A2.0 1275-18528980 = J2337+4308 (RX)
2337+1221    2340+1237   -> HX Peg
2342+4314    2344+4331   -> LD 317
2345+3148    2348+3204   =  GSC 2771.0289 = USNO-A2.0 1200-20049056
                         =  2345+3148 (PG, WD)
2346+5110    2348+5127   -> V630 Cas
2347-2639    2350-2622   -> VZ Scl
2350-3908    2353-3851   -> BW Scl
```

## Part V: References to the Catalogue Acronyms

A: -> Abell

Abell: Abell, G.O. 1955, "Globular clusters and planetary nebulae discovered on the national geographic society-Palomar Observatory sky survey", PASP 67, 258 (A1 - A73)
Abell, G.O. 1966, "Properties of Some Old Planetary Nebulae", ApJ 144, 259 (A1 - A86)

AC: Auriere, M., Cordoni, J.-P. 1981, "Position, Magnitudes and Color for Stars in the Central Part of the X-Ray Globular Cluster M 15", A&AS 46, 347

AE: Name, after its discoverer A. Elvius (1975, A&A 44 117)

AGK3: Heckmann, O., Dieckvoss, W. 1975, "AGK3: star catalogue of positions and proper motions, north of 2.5 degr. declination: derived from photographic plates taken at Bergedorf and Bonn in the years 1928-1932 and 1956-1963", Hamburg-Bergedorf: Hamburger Sternwarte

AKO: Auriere, M., Koch-Miramond, L., Ortolani, S. 1989, "The X-ray source in the core of 47 Tucanae", A&A 214, 113

ALEXIS: UV-emission source seen by the ALEXIS satellite, see Roussel-Dupre, D., et al (7 authors) 1995, IAU Circ. No. 6152

Antipin Antipin, S.V. 1994, "Ten new variable stars in Hercules and Corona Borealis", IBVS No. 4125 (Antipin V1 - V10)
Antipin, S.V. 1996, "New variable stars in the eta Herculis field", IBVS No. 4342 (Antipin V11 - V18)
Antipin, S.V. 1996, "New variable stars in the eps Coronae Borealis field", IBVS No. 4343 (Antipn V19 - V24)
Antipin, S.V. 1996, "New variable stars in the 66 Ophiuchi field", IBVS No. 4344 (Antipin V25 - V33)
Antipin, S.V. 1996, "Nine new variables in the 66 Ophiuchi field", IBVS No. 4345 (Antipin V34 - V42)
Antipin, S.V. 1996, "Nine new variables in the eta Herculis field", IBVS No. 4360 (Antipin V43 - V51)
Antipin, S.V. 1998, "Var 61 Her, Var 62 And, KUV 23012+1702: new dwarf novae on Moscow plates", IBVS No. 4578 (Antipin V61 - V62)
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Antipin, S.V. 1999, "New cepheids in Aquila", IBVS No. 4699 (Antipin V67 -V68)
Antipin, S.V. 1999, "A new classical Cepheid in Sagitta", IBVS No. 4772 (Antipin V69)
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Antipin, S.V. 2000, "A new high amplitude short period variable star in Cassiopeia", IBVS No. 4939 (Antipin V71)

ASM: Source seen by the Ginga All Sky Monitor

AX: ASCA X-Ray Source

AXG: -> 1AXG

BAC: "Bordeaux Astrographic Catalogue", see: Eichhorn, H. 1974, Astronomy of Star Positions, New York

BD: Argelander, F. 1903, "Bonner Durchmusterung des noerdlichen Himmels", (revised by F. Kuestner)

Astron. Beob. 1 (Part 1, Zones -2 to +20)
Astron. Beob. 2 (Part 2, Zones +20 to +41)
Astron. Beob. 3 (Part 3, Zones +41 to +89)
Schoenfeld, E. 1886, "Bonner Durchmusterung", (South)
Astron. Beob. 8 (Part 4, Zones -2 to -23)

BMW: Lazzati, D., Campana, S., Panzera, M.R., Tagliaferri, G. 1999, "The Brera Multiscale Wavelet ROSAT HRI Source Catalog. I. The Algorithm", 1999, ApJ 524, 414
Campana, S., Lazzati, D., Panzera, M.R., Tagliaferri, G. 1999, "The Brera Multiscale Wavelet ROSAT HRI Source Catalog. II. Application to the HRI and First Results", ApJ 524, 423

Bo: -> Bol

Bol: Battistini, P., et al. (6 authors) 1980, "Search for (Globular) Clusters in M 31. I: Candidates in a 70' Square Field Centered on M 31", A&AS 42, 357
(Bol 1 - Bol 288)
Battistini, P., et al. (7 authors) 1987, "Search for (Globular) Clusters in M 31. IV: Candidates in a 3x3deg Square Field Centered on M 31", A&AS 67, 447
(Bol 289 - Bol 513)

BPM: Luyten, W.J. 1963, "Bruce Proper Motion Survey. The General Catalogue. Vol. I, II", University of Minnesota, Minneapolis, Minnesota

BV: Bamberg variable

C: -> Case

CAL: Object from the Columbia Astrophysics Laboratory Einstein Survey of the Large Magellanic Cloud, -> LHG

Case: Stephenson, C.B. 1971, "Objective Prism Surveys for new White Dwarfs", in: White Dwarfs, IAU Symp. No. 42, W.J. Luyten (ed.), D. Reidel, Dordrecht, p. 61
(Case 1 - Case 3, or C1 - C3)

CBS: Case Blue Star, -> CSO

CD: Thome, J.M.: "Cordoba Durchmusterung", Resultados del Observatorio Nacional Argentino,
1892, Vol. 16, 1 (Part 1, Zones -22 to -32)
1894, Vol. 17, 1 (Part 2, Zones -32 to -42)
1900, Vol. 18, 1 (Part 3, Zones -42 to -52)
1914, Vol. 21, 1 (Part 4, Zones -52 to -62)
Perrine, C.D.: "Cordoba Durchmusterung", Resultados del Observatorio Nacional Argentino,
1932, Vol. 21, 1 (Part 5, Zones -62 to -90)

CE: Ruiz, M.T., Wischnjewsky, M., Rojo, P.M., Gonzalez, L.E.: 2001, "Calan-ESO Proper Motion Catalog", ApJS 133, 119
(CE 1 - CE 542)

CGS: Bradt, H.V.D., Mc Clintock, J.E. 1983, "The Optical Counterparts of Compact Galactic X-Ray Sources", ARA&A 21, 13

CPD: Gill, D., Kapteyn, J.C. "Cape Photographic Durchmusterung for the Equinox 1875", Annals of the Cape Observatory,
1896, Vol. III , (Part 1, Zones -18 to -37)
1897, Vol. IV , (Part 2, Zones -38 to -52)
1900, Vol. V , (Part 3, Zones -53 to -89)
Gill, D. 1903, "Revision of the Cape Photographic Durchmusterung for the Equinox 1875", Annals of the Cape Observatory Vol. IX

CSO: Case Stellar Object, in:
Pesch, P., Sanduleak, N. 1983, "The Case Low-Dispersion Northern Sky Survey. I.", ApJS 51, 171 (CBS 1 - CBS 28), (CSO 1 - CSO 59)
Sanduleak, N., Pesch, P. 1984, "The Case Low-Dispersion Northern Sky Survey. II.", ApJS 55, 517 (CBS 29 - CBS 66), (CSO 60 - CSO 179)
Pesch, P., Sanduleak, N. 1986, "The Case Low-Dispersion Northern Sky Survey. III.", ApJS 60, 543 (CBS 67 - CBS 124), (CSO 180 - CSO 252)
Pesch, P., Sanduleak, N. 1988, "The Case Low-Dispersion Northern Sky Survey. V.", ApJS 66, 297 (CBS 125 - CBS 160), (CSO 253 - CSO 401)
Pesch, P., Sanduleak, N. 1989, "The Case Low-Dispersion Northern Sky Survey. VIII.", ApJS 70, 163 (CBS 161 - CBS 252), (CSO 402 - CSO 602)
Sanduleak, N., Pesch, P. 1989, "The Case Low-Dispersion Northern Sky Survey. IX.", ApJS 70, 173 (CBS 253 - CBS 324), (CSO 603 - CSO 765)
Sanduleak, N., Pesch, P. 1990, "The Case Low-Dispersion Northern Sky Survey. XI.", ApJS 72, 291 (CBS 325 - CBS 350), (CSO 766 - CSO 881)
Pesch, P., Sanduleak, N., Stephenson, C.B. 1991, "The Case Low-Dispersion Northern Sky Survey. XII", ApJS 76, 1043 (CBS 351 - CBS 382), (CSO 882 - CSO 1038)
Stephenson, C.B., Pesch, P., Mac Connell, D.J. 1992, "The Case Low-Dispersion Northern Sky Survey. XIII", ApJS 82, 471 (CBS 383 - CBS 418), (CSO 1039 - CSO 1121)
Pesch, P., Stephensen, C.B., Mac Connell, D.J. 1995, "The Case Low-Dispersion Northern Sky Survey. XV.", ApJS 102, 435 (CBS 419 - CBS 465), (CSO 1122 - CSO 1336)

Errata in: ApJS 102, 435 (1996) and ApJS 103, 513 (1996)

CSV: Kukarkin B.V., Parenago P.P., Efremov Y.N., Kholopov P.N. 1951, "Catalogue of suspected variable stars", Acad. of Sciences USSR Shternberg, Moscow (CSV 1 - CSV 5835, CSV 100000 - CSV 102299)

CTCV: Rossa J., Tappert C., Augusteijn T., Maza J. 1999, "Two new quasars at z = 1.90 and z = 0.15 from the Calan-Tololo Survey", A&A 350, 379 (Cataclysmic variable candidates from the Calan-Tololo Survey)

CW: Object from an objective prism survey of the north-galactic pole region in search for emisssion-line galaxies on plates taken with the Case Western Reserve University's 61/91cm Burrell Schmidt telescope. -> Shore S.N., Foltz C.B., Wasilewski A.J., Byard P.L., Wagner R.M. 1982, "CW 1103+254 : a new cataclysmic at high galactic latitude", PASP 94, 682

CXO: Chandra X-ray source

DPF: De Marchi, G., Paresce, F., Ferraro, F. 1993, "The Structure of the core of 47 Tuc from Hubble Space Telescope Observations", ApJS 85, 293 (DPF 1 - DPF 3567)

DS: Drilling, J.S. 1983, "The Spectra of 12 New Subluminous O Stars", ApJ 270, L13 (DS 1 - DS 2)

EC: Object from the Edinburgh-Cape Blue Object Survey
Kilkenny, D., O'Donoghue, D., Stobie, R.S. 1991, "First Results From the Edingurgh-Cape Blue Object Survey - Normal Stars at High Galactic Latitudes", MNRAS 248, 664

Stobie, R.S., et al. (27 authors) 1997, "The Edinburgh-Cape Blue Object Survey - I. Description of the survey", MNRAS 287, 848
Kilkenny, D., O'Donoghue, D., Koen, C., Stobie, R.S., Chen, A. 1997, "The Edinburgh-Cape Blue Object Survey - II. Zone 1 - the North Galactic Cap", MNRAS 287, 867

EG: -> EGGR

EGB: Ellis, G.L., Grayson, E.T., Bond, H.E. 1984, "A Search for Faint Planetary Nebulae on Palomar Sky Survey Prints", PASP 96, 283 (EGB 1 - EGB 10)

EGG: Edmonds, P.D., et al. (6 authors) 1996, "Stellar Variability in the Central Populations of 47 Tucanae from WF/PC Observations with the Hubble Space Telescope. II. Binary Systems", ApJ 468, 241 (EGG V1 - EGG V13)

EGGR: Eggen, O.J., Greenstein, J.L. 1965, "Spectra, Colors, Luminosities and Motions of White Dwarfs", ApJ 141, 83 (EGGR 1 - EGGR 166)
Eggen, O.J., Greenstein, J.L. 1965, "Observations of Propermotion Stars. II", ApJ 142, 925 (EGGR 167 - EGGR 178)
Eggen, O.J., Greenstein, J.L. 1967, "Observations of Propermotion Stars. III", ApJ 150, 927 (EGGR 179 - EGGR 202)
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Greenstein, J.L. 1976, "Some Further Degenerate Stars. IX.", ApJ 207, L119 (EGGR 381 - EGGR 405)
Greenstein, J.L., Oke, J.B., Richstone, D., van Altena, W.F., Steppe, H. 1977, "Further Degenerate Stars. X.", ApJ 218, L21 (EGGR 406 -EGGR 456)
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EMSS: Gioia, I.M., et al. (7 authors) 1990, "The Einstein Observatory Extended Medium-Sensitivity Survey. I. X-Ray Data and Analysis", ApJS 72, 567
Stocke, J.T., et al. (8 authors) 1991, "The Einstein Observatory Extended Medium Sensitivity Survey II: The Optical Identifications", ApJS 76, 813
Maccacaro, T., et al. (8 authors) 1994, "The Einstein Observatory Extended Medium Sensitivity Survey. III. The Atlas of Optical Finding Charts", Astrophys. Lett. and Comm. 29, 267

ESO: Holmberg, E.B., Lauberts, A., Schuster, H.-E., West, R.M. 1978, "The ESO/Uppsala Survey of the ESO(B) Atlas of the Southern Sky", Vol. I - IX
1974, A&AS 18, 463 (Vol. I)
1974, A&AS 18, 491 (Vol. II)
1975, A&AS 22, 327 (Vol. III)
1977, A&AS 27, 295 (Vol. IV)
1978, A&AS 31, 15 (Vol. V)

1978, A&AS 34, 285 (Vol. VI)
1980, A&AS 39, 173 (Vol. VII)
1981, A&AS 43, 307 (Vol. VIII)
1981, A&AS 46, 311 (Vol. IX)

Lauberts, A. 1982, "The ESO/Uppsala Survey of the ESO(B) Atalas", ESO Garching

EUVE: Bowyer, S., et al. (7 authors) 1994, "The First Extreme Ultraviolet Explorer Source Catalog", ApJS 93, 569

Malina, R.F., et al. (21 authors) 1994, Extreme Ultraviolet Explorer Bright Source List", AJ 107, 751

McDonald, K., et al. (7 authors) 1994, "Serendipitous EUV Sources Detected During The First Year Of The Extreme Ultraviolet Explorer Right Angle Program", AJ 108, 1843

Lampton, M., et al. (7 authors) 1997, "An All-Sky Catalog of Faint Extreme Ultraviolet Sources", ApJS 108, 545

Shara, M.M., Bergeron, E., Christian, C.A., Craig, N., Bowyer, S. 1997, "An Optical Atlas of Extreme Ultraviolet Explorer (EUVE) Sources", PASP 109, 998

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Lu F.J., Li T.P., Sun X.J., Wu M., Page C.G. 1996, "X-ray map from the EXOSAT galactic plane survey and a direct demodulation technique", A&AS 115, 395

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FBS: Markarian, B.E., Lipovetsky, V.A., Stepanian, J.A., Erastova, L.K., Shapovalova, A.I. 1989, "The First Byurakan Survey. A Catalogue of Galaxies with UV-Continuum", Comm. Spec. Astrophys. Obs. No.62 (FBS B1 - FBS B1515)

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Abramyan, G.V., Lipovetskii, V.A., Mikaelyan, A.M., Stepanyan, Dzh.A. 1990, "First Byurakan Spectral Sky Survey. Blue Stellar Objects. III. Region Decl. =+43", Afz 33, 345 (engl. transl. in: Astrophysics 33, 493 (1991)) (FBS B204 - FBS B323)

Abramyan, G.V., Lipovetskii, V.A., Mikaelyan, A.M., Stepanyan, Dzh.A. 1991, "First Byurakan Spectral Sky Survey. Blue Stellar Objects. IV. Region 41 < Decl. < 45", Afz 33, 345 (engl. transl. in: Astrophysics 34, 7 (1992)) (FBS B324 - FBS B429)

Abramyan, G.B., Mikaelyan, A.M. 1993, "First Byurakan Spectral Sky Survey. Blue Stellar Objects. V., Afz 36, 109 (engl. transl. in: Astrophysics 36, 62 (1994)) (FBS B430 - FBS B540)

Abrahamian, H.V., Mickaelian, A.M. 1993, "First Byurakan Spectral Sky Survey. Blue Stellar Objects. VI. Zone +33 < Decl. < +37", Afz 36, 517 (engl. transl. in: Astrophysics 36, 306 (1993)) (FBS B541 - FBS B638)

Abrahamian, H.V., Mickaelian, A.M. 1994, "First Byurakan Spectral Sky Survey. Blue Stellar Objects. VII. Zone +61 < Decl. <+ 65", Afz 37, 43 (engl. transl. in:

Astrophysics 37, 27 (1994)) (FBS B639 - FBS B757)
Abrahamian, H.V., Mickaelian, A.M. 1994, "First Byurakan Spectral Sky Survey. Blue Stellar Objects. VIII. Zone +65 < Decl. < +69", Afz 37, 117 (engl. transl. in: Astrophysics 37, 27 (1994)) (FBS B758 - FBS B855)
Abramyan, G.B., Mikaelyan, A.M. 1994, "The First Byurakan Spectral Sky Survey. Blue Stellar Objects. IX. The Zone +69 , Decl. < +73 and Additional Objects from Previous Regions", Afz 37(3) (engl. transl. in: Astrophysics 37, 224 (1995)) (FBS B856 - FBS B939)
Abramyan, G.V., Mikaelyan, A.M. 1995, "The First Byurakan Spectral Sky Survey. Blue stellar objects. X. The Zone +73 < Decl. < +80", Afz 38(2) (engl. transl. in: Astrophysics 38, 108 (1995)) (FBS B940 - FBS B1039)
Abrahamian, H.V., Mickaelian, A.M. 1996, "First Byurakan Spectral Sky Survey. Blue Stellar Objects. XI. Region +80 < Decl. < +90", Afz 39(4) (engl. transl. in: Astrophysics 39, 315 (1996)) (FBS B1040 - FBS B1103)

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Feige: Feige, J. 1958, "A Search for Underluminous Hot Stars", ApJ 128, 267 (Feige 1 - Feige 114)
Feige, J. 1959, "An Atlas of Identification Charts for 113 Blue Stars", ApJ 129, 600

G: Giclas, H.L., Burnham, R. Jr., Thomas, N.G. 1971, "Lowell Proper Motion Survey, Northern Hemisphere; The G Numbered Stars", Lowell Observatory, Flagstaff, Arizona
Giclas, H.L., Burnham, R. Jr., Thomas, N.G. 1978, "Lowell Proper Motion Survey, Southern Hemisphere", Lowell Obs. Bull. No. 164 (Vol. 8, No. 4, p. 89)
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G1 -G18 : Giclas, H.L. 1958, Lowell Obs. Bull. No. 89 (Vol. 4, No. 1, p. 1)
G1 -G50 : Giclas, H.L., Slaughter, C.D., Burnham, Jr., R. 1959, Lowell Obs. Bull. No. 102 (Vol. 4, No. 14, p. 136)
G7 : Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1962, Lowell Obs. Bull. No. 118 (Vol. 5, No. 13, P. 257)
G51 -G100: Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1961, Lowell Obs. Bull. No. 112 (Vol. 5, No. 7, p. 61)
G101-G150: Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1963, Lowell Obs. Bull. No. 120 (Vol. 6, No. 1, p. 1)
G151-G160: Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1964, Lowell Obs. Bull. No. 122 (Vol. 6, No. 3, p. 103)
G161-G170: Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1965, Lowell Obs. Bull. No. 124 (Vol. 6, No. 5, p. 135)
G171-G180: Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1965, Lowell Obs. Bull. No. 129 (Vol. 6, No. 10, p. 197)
G181-G190: Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1966, Lowell Obs. Bull. No. 132 (Vol. 6, No. 13, P. 233)
G191-G200: Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1966, Lowell Obs. Bull. No. 136 (Vol. 6, No. 17, P. 271)
G201-G210: Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1967, Lowell Obs. Bull. No. 138 (Vol. 7, No. 1, p. 1)
G211-G225: Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1967, Lowell Obs. Bull. No. 140 (Vol. 7, No. 3, p. 31)
G226-G235: Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1968, Lowell Obs. Bull. No. 144 (Vol. 7, No. 7, p. 67)
G236-G245: Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1969, Lowell Obs. Bull. No. 150 (Vol. 7, No. 13, p. 129)
G246-G255: Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1969, Lowell Obs. Bull. No. 151 (Vol. 7, No. 14, p. 149)

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G270-G271: Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1973, Lowell Obs. Bull. No. 160 (Vol. 7, No. 23, P. 273)

G272-G273: Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1975, Lowell Obs. Bull. No. 162 (Vol. 8, No. 2, p. 9)

G274-G275: Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1978, Lowell Obs. Bull. No. 163 (Vol. 8, No. 3, p. 51)

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Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1965, Lowell Obs. Bull. Vol. 6, p. 155 (GD 1 - GD 272)
Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1967, Lowell Obs. Bull. Vol. 7, p. 49 (GD 273 - GD 407)
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Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1973, Lowell Obs. Bull. Vol. 7, P. 273 (GD 699 - GD 952)
Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1975, Lowell Obs. Bull. Vol. 8, P. 9 (GD 953 - GD 1338)
Giclas, H.L., Burnham, Jr., R., Thomas, N.G. 1978, Lowell Obs. Bull. Vol. 8, P. 51 (GD 1339 - GD 1712)

Ginga: Ginga X-Ray Source

GJ: Gliese, W., Jahreiss, H. 1991, "Preliminary Version of the Third Catalogue of Nearby Stars", available @ http://cdsarc.u-strasbg.fr/pub/cats/V/70A/

GR: -> EGGR

GRO: Object detected by the Compton Gamma-Ray Observatory

GRS: X-Ray source detected by Granat

GS: Ginga X-Ray Source

GSC: Lasker, B.M., et al. (6authors) 1990, "The Guide Star Catalog. I. Astronomical foundations and image processing", AJ 99, 2019
Russel, J.L., Lasker, B.M., McLean, B.J., Sturch, C.R., Jenkner, H. 1990, "The Guide Star Catalog. II. Photometric and astrometric models and solutions", AJ 99, 2059
Jenkner, H., et al. (6 authors) 1990, "The Guide Star Catalog. III. Production, database organization, and population statistics", AJ 99, 2082

H: Marshall, F.E., et al. (7 authors) 1979, "New Hard X-Ray Sources Observed with HEAO A-2", ApJS 40, 657
Nugent, J.J., et al. (9 authors) 1983, "HEAO A-2 Soft X-Ray Source Catalog", ApJS 51, 1

Had: Variable star detected by K. Haseda

HD: Cannon, A.J., Pickering, E.C. 1918-1924, "Henry Draper Catalogue", Ann. Astron. Obs. Harvard Coll. Vol. 91-99

HDE: Cannon, A.J. 1925-1936, "Henry Draper Extension", Ann. Astron. Obs. Harvard Coll. Vol. 100
Cannon, A.J., Mayall, M.W. 1949, "Henry Draper Extension II.", Ann. Astron. Obs. Harvard Coll. Vol. 112, 1

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Nesterov V.V., Kuzmin A.V., Ashimbaeva N.T., Volchkov A.A., Roeser S., Bastian U. 1995, "The Henry Draper Extension Charts: A catalogue of accurate positions, proper motions, magnitudes and spectral types of 86933 stars", A&AS 110, 367

HE: Object from the Hamburg/ESO survey
Wisotzki L., Wamsteker W., Reimers D. 1991, "Discovery of a new bright southern QSO", A&A 247, L17

Hf 2-N: Hoffleit, D. 1953, "A preliminary survey of nebulosities and associated B-stars in Carina", Ann. Astr. Obs. Harvard College 119, 37; 2 objects at the bottom of p. 52 are planetary nebulae and are named Hf 2-1 and Hf 2-2 by Perek & Kohoutek (1967) (-> PK)

HFG: Heckathorn, J.N., Fesen, R.A., Gull, T.R. 1982, "Discovery of a Large, High-Excitation Planetary Nebula at l=136, b= +5", A&A 114, 414

HIP: Object from the HIPPARCOS Catalogue, see: Perryman, M.A.C. (ed.), 1997, "The Hipparcos and Tycho Catalogues, Vol. 1 - 17", ESA-SP 1200, Noordwijk ESTEC

HR: Hoffleit, D., Warren, Jr., W.H. 1991, "Bright Star Catalogue, 5th revised ed.", (HR 1 - HR 9110), available at ftp://cdsarc.u-strasbg.fr/pub/cats/V/50/

HS: Object from the Hamburg Schmidt survey, see:
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Vogel S., et al. (7 authord) 1993, "Emission-line galaxies in the Hamburg Quasar Survey", A&AS 98, 193
Engels D., et al. (6 authors) 1998, "The Hamburg Quasar Survey. II. A first list of 121 quasars", A&AS 128, 507, Erratum in A&AS 131, 196
Ugryumov A.V., et al. (10 authors) 1999, "The Hamburg/SAO Survey for Emission-Line Galaxies. I. A First List of 70 Galaxies", A&AS 135, 511

HtTr: Hartl, H., Tritton, S.B. 1980, "New Planetary Nebulae of Low Surface Brightness Detected on UK-Schmidt Plates", A&A 145, 41 (HtTr 1 - HtTr 14)

HV: Harvard University variable star

HZ: Humason, M.L., Zwicky, F. 1947, "A Search for Faint Blue Stars", ApJ 105, 85-91 (HZ 1 - HZ 48)
"First Conference on Faint Blue Stars", W.J. Luyten (ed.), University of Minnesota, Minneapolis, p. 121 (1965) (including the finding charts)

IRAS: IRAS infrared source

JL: Jaidee, S., Lynga, G. 1969, "A saerch for faint violet stars in southern galactic latitudes", Ark. Astron. 5, 345 (JL 1 - JL 296)

KPD: Downes, R.A. 1986, "The KPD Survey for Galactic Plane Ultraviolet-Excess Objects: Space Densities of White Dwarfs and Subdwarfs", ApJS 61, 569 (KPD = Kitt-Peak Downes)
Downes, R.A. 1986, "The Space Density of Classical Novae", ApJ 307, 170 (for cataclysmic variables)

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| II. | The Hyades and the South Galactic Pole | 71-175 |
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XXX. On the Luminosities of the Coronal Stars (with J.H. Anderson)
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XXXIII. Proper Motions for 148 PHL Stars (with H.S. Hughes)
XXXIV. Proper Motions for 24 Blue Stars in Orion (with H.S. Hughes)
XXXV. On the Distribution of the Luminosities of the Faint Blue Stars
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XLIII. Faint Blue Stars in a Field Centered at 15 10 +24 (with J.H. Anderson and A.S. Sandage) 9389-9769
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XLV. Ultra Faint Blue Stars Observed With the 200 Inch Telescope (with F.Zwicky)
XLVI. Faint Blue Stars in a Field Centered at 11 16 +30 (with J.H. Anderson and A.R. Sandage) 10004-10279
XLVII. Faint Blue Stars in a Field Centered at 10:24 +18 (with J.H. Anderson and A.S. Sandage) 10280-10747
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