

Value	Source Catalog (Shading gray for astrometric, blue for UBV/ptv/ptg, green for MK/HD types, red for R//CCDST)	
	Common Name	Reference
0	none	—
(1)	<u>SAO</u> Catalog	Smithsonian Astrophysical Observatory (SAO) Staff, <i>SAO Star Catalog, Parts I-IV</i> , Washington D.C.: Smithsonian Institution, 1966, No bibcode reference
(2)	<u>HD</u> and <u>HDE</u> Catalogs	Cannon, A. J., and E. C. Pickering, <i>Harvard Annals</i> , vols. 91-99, 1918-24, Cambridge, Massachusetts; Harvard University: Cannon, A. J., vol 100, 1925-36, <u>and</u> Cannon, A. J., and M. Walton Mayall, vol. 112, 1949
(3)	<u>Blanco</u> UBV Catalog	Blanco, V. M., et al., <i>Publ. U. S. Naval Obs.</i> , 2nd series, vol. 21, 1968
(4)	Catalog of MK Stellar <u>Spectra</u>	<u>Jaschek</u> , C., H. Conde, and A. C. de Sierra, <i>Publ La Plata Obs. Ser Astron.</i> , Catalog of Stellar <u>Spectra</u> in the MK System, vol. 28, No. 2, 1964
(5)	<u>IDS</u>	U.S.N.O. Staff, Index Catalog of Visual Double Stars, 1974-75
(6)	General Catalog of Trigonometric <u>Parallaxes</u>	Jenkins, L. F., <i>Yale Catalogue of Trigonometric Stellar Parallaxes</i> , New Haven: Yale University Observatory, 1952
(7)	<u>AGK-3</u>	Dieckvoss, W., and O. Heckmann, <i>Dritter Katalog der Astronomischen Gesellschaft</i> , Astronomisches Rechen-Institut, Heidelberg, Germany, 1975
(8)	<u>GCVS</u> , 3rd Edition	Kukarkin, B. V., et al., <i>General Catalog of Variable Stars</i> , 3rd ed., Moscow: Publishing House of the Academy of Sciences of the U.S.S.R., 1971
(9)	Catalog of Selected MK <u>Spectral Types</u>	<u>Jaschek</u> , M., "Catalogue of Selected Spectral Types in the MK System", <i>Centre de Données Stellaires Information Bulletin</i> , vol. 15, p.121, 1978
[10]; [23]	<u>Michigan</u> Catalog of 2-Dimensional Spectral Types, <u>Volumes I-III; IV,V</u>	Houk, N., and A. P. Cowley, <i>Michigan Catalogue of 2-Dimensional Spectral Types for the HD Stars, vol. 1 [Zones -89 to -53 Degrees]</i> , Ann Arbor: The University of Michigan, 1975, <u>and</u> Houk, N., vol. 2 [Zones -52 to -40], 1978, <u>and</u> Houk, N., vol. 3 [Zones -40 to -26], 1982; <u>and</u> Houk and Smith-Moore, vol. 4 [-25 to -12], 1988; <u>and</u> Houk and Swift, vol. 5 [-12 to +05 Degrees], 1999, No bibcode reference
(11)	General Catalogue of Stellar <u>Radial Velocities</u>	Wilson, R. E., <i>General Catalogue of Stellar Radial Velocities</i> , Washington, D.C.: Carnegie Institution of Washington, 1953
(12)	IDS and SAO	Reference from (5) and (1); data merged
(13)	IDS and HD/HDE	Reference from (5) and (2); data merged
(14)	IDS and AGK3	Reference from (5) and (7); data merged
[15]	<u>FK5</u> and <u>FK5 Extension</u>	Fricke, W., H. Schwan, and T. Lederle, "Fifth Fundamental Catalogue [FK5], Part I. The Basic Fundamental Stars", <i>Veroeffent Astronomisches Rechen Institut</i> , No. 32, Heidelberg, Germany, 1988, <u>and</u> Fricke, W., H. Schwan, and T.E. Corbin, "Part II. The FK5 Extension", No. 33, 1991

Value	Source Catalog (Shading gray for astrometric, blue for UBV/ptv/ptg, green for MK/HD types, red for R//CCDST)	
	Common Name	Reference
[16]	<u>PPM North and PPM South Catalogs and PPM Supplement</u>	Röser, S., and U. Bastian, "Catalogue of Positions and Proper Motions", A&AS, vol. 74, p.449, 1988, <u>and</u> Bastian, U., et al., "PPM - South", 1993, <u>and</u> Röser, S., U. Bastian, and A. Kuzmin, "PPM - 90,000 Stars Supplement," vol. 105, p.301, 1994, No bibcode reference
[17]	<u>ACRS</u>	Corbin, T.E., and S.E. Urban, <i>Astrographic Catalog Reference Stars</i> , United States Naval Observatory, 1991, No bibcode reference (CDS I/171)
[18]	<u>Hipparcos Input Catalog Version 2 Annex</u>	Turon, C., et al., "The Hipparcos Input Catalog, Version 2", <i>Centre de Données Stellaires Information Bulletin</i> , vol. 43, p.5, 1993, 1993BICDS..43....5T
[19]	<u>WDS Catalog</u>	Worley, C. E., and G. G. Douglass, <i>Washington Catalog of Visual Double Stars 1994.0</i> , United States Naval Observatory, 1994
[20]	Catalogue of Homogeneous Means in <u>UBV</u>	<u>Mermilliod</u> , J. C., <i>Catalogue of Homogeneous Means in the UBV System</i> , Institut d'Astronomie, Université de Lausanne, 1994
[21]	Photoelectric Photometric Catalog in <u>UBVRI</u>	Lanz.T., "Photoelectric Photometric Catalogue in the Johnson UBVRI System", A&AS. vol. 65, p.165, 1986
[22]	<u>Russian WBVR Catalog</u>	Kornilov et al., "WBVR Catalog of Various Bright Stars in the Northern Sky", <i>Proceedings of the State Astronomical Institute at Sternberg</i> , vol. 63, Moscow: Moscow University, 1991
[24]	Catalogue of Photoelectric Magnitudes and Colours of Visual <u>Double</u> and <u>Multiple</u> Systems	<u>Wallenquist</u> , Aa., <i>A Catalogue of Photoelectric Magnitudes and Colours of Visual Double and Multiple Systems</i> , Uppsala Astronomical Observatory Report No. 22, 1981
[25]	<u>Bright Star Catalog 5th Edition</u>	Warren, W. H., Jr, <i>The Bright Star Catalogue, 5th Revised Edition, Version 2</i> , 1994, No bibcode reference
[26]	<u>Bright Star Supplement</u>	Warren, W. H., Jr, <i>A Supplement to the Bright Star Catalogue</i> , 1994, No bibcode reference
[27]	Catalog of Red Magnitudes [<u>CRM</u>]	Warren, W. H., Jr, <i>Northern Hemisphere Catalog of Red Magnitudes</i> , 1994 [From 22 and other sources], No bibcode reference
[28]	New Catalog Of Suspected Variable Stars [<u>NSV</u>]; [<u>NSVS</u>]	Kukarkin, B. V., et al., <i>New Catalog of Suspected Variable Stars</i> , Moscow: Nauka Publishing House, 1982; Kazarovets, E.V. et al., NSV Supplement, Moscow: 1998, 1998IBVS.4655....1K
[29]	<u>SAOJ2000</u>	SAO on FK5 at J2000, 1989, No bibcode reference
[30]	<u>GCVS</u> , 4th edition	Kholopov, P. N., et al., <i>General Catalogue of Variable Stars</i> , 4th ed., Moscow: Nauka Publishing House, 1985-88 [See Bibliography], No bibcode reference (CDS II/214A)
[31]	<u>CRM</u> [non-GCVS variable data]	Warren, W. H., Jr, <i>Northern Hemisphere Catalog of Red Magnitudes</i> , 1994, No bibcode reference
<32>	Four -Color <u>uvby</u> and <u>H-beta</u>	Olsen, E. H., 1983 A&AS, 54, 55. "Four-colour uvby and H-beta photometry of A5 to G0 stars brighter than 8.3 mag.", No bibcode reference (CDS II/90)
<33>	<u>Hipparcos Main Input Catalogue Version 2</u>	Reference same as 18
<34>	<u>IRS Catalog</u>	Corbin, T.E., 1991, U.S.N.O., International Reference Stars Catalog, No bibcode reference (CDS I/172)
<35>	<u>HD Extension Charts</u>	Nesterev, V.V., Kuzmin, A.V., Ashimbaeva, N.T., Volchkov, A.A., Röser, S., Bastian, U., 1995 A&AS, 110, 367, "The Henry Draper Extension Charts: A catalogue of accurate positions, proper motions, magnitudes and spectral types of 86933 stars.", 1995A&AS..110..367N

Value	Source Catalog (Shading gray for astrometric, blue for UBV/ptv/ptg, green for MK/HD types, red for R//CCDST)	
	Common Name	Reference
<36>	<u>Namelists</u>	Namelists of Variable Stars, Nos. 67-72 and 76. Kazarovets, E.V. et al., July 2001, 1985IBVS.2681....1K , 1987IBVS.3058....1K , 1989IBVS.3323....1K , 1990IBVS.3530....1K , 1993IBVS.3840....1K , 1995IBVS.4140....1K , 1997IBVS.4471....1K , 1999IBVS.4659....1K , 2000IBVS.4870....1K , 2001IBVS.5135....1K
<37>	<u>DS-programme star positions</u>	Cvetkovic, Z., 1992, A&AS, 96, 191, "A preliminary compilation of DS-programme star positions"
<38>		Abt, H.A. 1984, ApJ, 285, 247
<39>	<u>MK-Extension</u>	Morris-Kennedy, P., 1983, MK Classification Extension from the Mount Stromlo Observatory, No bibcode reference (CDS III/78)
<40>	<u>Astrometric Studies</u>	Gatewood, G., de Jonge, J.K., and Heintz, W.D., 1995, AJ, 109, 434, "Astrometric Studies in the Region of Algol"
<41>	<u>Precision Studies</u>	Gatewood, G., 1994, PASP, 106, 138. "One milliarcsecond precision studies in the regions of delta Equulei and chi1 Orionis"
<42>	<u>FK5 Supplement</u>	Schwan, H., Bastian, U., Bien, R., Jaehrling, R., Jahreiss, H., Röser, S. 1993, <i>Veroeffent Astronomisches Rechen Institut Heidelberg</i> No. 34. "Improved Mean Positions and Proper Motions for the 995 FK4 Sup Stars Not Included in the FK5 Extension"
<43>	<u>Catalogue of MK Classifications</u>	<u>Buscombe</u> , W. 1995, pre-publication version: General Catalogue of MK Classifications, Dearborn Observatory, Northwestern University, 1995msct.book....B
<44>		Abt, H.A. "A stars paper", Different from reference 38
<45>	366 Stars, <u>UBV</u> , <u>V 6-10</u>	Abuladze 1982, Abastumani Bull., 55, 1. "UBV 366 Stars Missed by JCM. V range 6-10, of real interest. Accuracy acceptable."
<46>		Skiff, B. A., Various unpublished lists and observations by private communication.
<47>		Griffin, R., and Griffin, R. 1986, Observatory, 106, 108, No bibcode reference
<48>	<u>Uvby, beta Catalogue</u>	Hauck, B., and Mermilliod, M. 1990, A&AS, 86, 107. "Uvby, beta Photoelectric Photometric Catalogue", No bibcode reference (CDS II/158A)
+49+	<u>GSC</u>	The HST Guide Star Catalog for the Hubble Space Telescope
50	<u>CSSC</u>	Skiff, B. A., <i>General Catalogue of Stellar Spectral Classifications</i> (Lowell Obs., 2005), No bibcode reference.
<51>	<u>Harvard photometry</u>	"H" coded Harvard photometry: magnitudes from the BSC5
<52>	<u>PPMN-HP subset</u>	"H" coded positions <PPM High-Precision Subset, reference [16]> from the BSC5
<53>	<u>Geneva photometric Catalog</u>	Rufener, F. 1988, <i>Catalogue of Stars Measured in the Geneva Observatory Photometric System</i> , 4th edition, Geneva Observatory
<54>	<u>MK Catalogs</u>	Jaschek, C., Conde, H., and de Sierra, A.C. 1964, <i>Catalogue of Stellar Spectra Classified in the Morgan-Keenan System</i> , Publ. La Plata Obs., Ser. Astron. 28, No. 2 and/or Kennedy (1983), et al.
<55>	Catalog of <u>Carbon Stars</u>	Stephenson, C.B. 1989, <i>A General Catalog of Cool Galactic Carbon Stars</i> , 2nd edition., Publications of Warner & Swasey Observatory, 3, No.2, 1989PW&SO...3...53S

Value	Source Catalog (Shading gray for astrometric, blue for UBV/ptv/ptg, green for MK/HD types, red for R//CCDST)	
	Common Name	Reference
<56>	Cordoba DM <CD>	Thome, J.M. 1892-1932, Córdoba Durchmusterung, Resultados del Observatorio Nacional Argentino 16, 17, 18, and 21
{57}	Cape DM {CPD}	Cape Photographic Durchmusterung
{58}	Bonner DM {BD}	Argelander, F. 1859-1862; Küstner, F. 1903; Becker, F. 1951; Schmidt, H. 1968, Bonner Sternverzeichnis and Bonner Durchmusterung
{59}	Southern DM {SD}	Schönfeld, E. 1886; Becker, F. 1949; Schmidt, H. 1967, Bonner Sternverzeichnis and Bonner Durchmusterung
<60>	HD Extension 2	Henry Draper Extension 2, Cannon, A. J., and M. Walton Mayall, 1949
[61]	ACRS Part II	Reference same as 17
<62>		Fekel et al. 1995, AJ, 109, 2821
<63>	Catalog of <u>S Stars</u>	Stephenson, C.B. 1984, <i>General Catalog of S Stars</i> , 2nd edition, Publications of Warner & Swasey Observatory, 3, No.1, No bibcode reference (CDS III/168)
+64+	<u>TAC</u>	Zacharias, N., et al., 1996, "The Twin Astrograph Catalog (TAC), Version 1.0", AJ, 112, 2336, November, 1996, No bibcode reference
+65+	<u>ACT</u>	Urban, S.E., Corbin, T.E., and Wycoff, G.L., 1997, <i>The ACT Reference Catalog</i> , No bibcode reference (CDS I/246)
+66+	Hipparcos Main Catalog (HIP)	ESA SP-1200, 1997, <i>The Hipparcos Output Catalogue</i> , 1997HIP...C.....0E
+67+	Hipparcos Components Catalog (HIPc)	ESA SP-1200, 1997, <i>The Hipparcos Output Catalogue</i> , 1997HIP...C.....0E
+68+	Tycho Output Catalogue (TYC)	Høg, E., and G. Bässgen, and U. Bastian, et al., <i>The Tycho Catalogue</i> , A&A 323, L57-L60, 1997, 1997HIP...C.....0E
+69+	<u>SIMBAD</u>	SIMBAD Database
+70+	<u>RXTE</u>	Data gathered from RXTE CCD star trackers
71	<u>SWAS</u>	Data gathered from SWAS CCD star tracker and converted to RXTE photometric system
+80+	<u>TRC</u>	The Tycho Reference Catalogue, 1998A&A..335L..65L
+81+	<u>O Stars</u>	Garmany, K., Catalog of O Stars, 1982ApJ...263..777G
82	<u>???</u>	SKY2K V5 R4 has one radial velocity from this source
85	<u>???</u>	SKY2K V5 R4 has one Johnson V, one R, and one I magnitude from this source
86	<u>???</u>	SKY2K V5 R4 has one radial velocity from this source
+90+		Determined from existing SKY2000 data
(94)	<u>WDS Catalog or Blanco Catalog</u>	Reference from [19] or (3): undesignated
(95)	<u>Michigan, Volumes I-III or Catalog of Selected Spectral Types</u>	Reference from [10] or (9): undesignated
(96)	<u>SAO or HD/HDE Catalog</u>	Reference from (1) or (2): undesignated

Value	Source Catalog (Shading gray for astrometric, blue for UBV/ptv/ptg, green for MK/HD types, red for R//CCDST)	
	Common Name	Reference
(97)	SKYMAP Master Catalog Version 3.7 (Miscellaneous)	Slater, M., <i>SKYMAP Star Catalog Data Base Generation and Utilization System Description Revision 3 - Update 1</i> , Computer Sciences Corporation, 554-FDD-89/001R3UD1, CSC/SD-89/6036 R3UD1, August 1992 (original source <u>not</u> identified in SKYMAP 3.7)
(98)	SKYMAP MC Version 3.7	Reference from Value 97 (original sources of MK spectral types are <u>identified</u> in SKYMAP 3.7)
99	Miscellaneous	Source is <u>neither</u> SKYMAP 3.7 <u>nor</u> identified

NOTES

() original sources of data included via SKYMAP Master Catalog (MC) Version 3.7 are identified;

[] sources added for SKYMAP MC Ver 4.0;

< > sources added for MC Ver 4.0a;

{ } added for SKY2000 MC Ver 1;

+ + added for SKY2000 Ver 2.

Remaining sources were added for SKY2000 Vers 3, 4 or 5.

While helpful for cross ID checks, no other data from these sources are present in SKY2000 Ver 2:

5, 8, 12-14, 34, 37, 40-42, 46, 49, 53, 57, 59-61, 69, 81, 90, 97. An exception is 22 [Russian 'R' enters via 27(CRM)].

In addition to those not present in Ver 2, the following sources provided no data in Vers 5: 0-1, 5, 8, 12-14, 32, 36-38, 40-42, 44-46, 49, 51, 53, 59-62, 69, 94-95, 97. An exception is 22 [Russian 'R' enters via 27(CRM)].

Specific types of data from the following sources were reintroduced directly from the original catalogs instead of via SKYMAP Ver 3.7: 2, 16, 19, 28, 29, 30, 35.

Value	Source Catalog Data Representation in SKY2000 V5 R4 MC (Shading gray for astrometric, blue for UBV/ptv/ptg, green for MK/HD types, red for R//CCDST)	
	Common Name	Data Types and Number of Entries
0	none	—
(1)	<u>SAO</u> Catalog	—
(2)	<u>HD</u> and <u>HDE</u> Catalogs	PTV – 174248 PTG – 93350 MK – 7* HD – 196629
(3)	<u>Blanco</u> UBV Catalog	HD – 2
(4)	Catalog of MK Stellar <u>Spectra</u>	MK – 9
(5)	<u>IDS</u>	—
(6)	General Catalog of Trigonometric <u>Parallaxes</u>	PARLX – 2
(7)	<u>AGK-3</u>	PTG – 5 HD – 90
(8)	<u>GCVS</u> , 3rd Edition	—
(9)	Catalog of Selected MK <u>Spectral Types</u>	MK – 11
[10]; [23]	<u>Michigan</u> Catalog of 2-Dimensional Spectral Types, <u>Volumes I-III; IV, V</u>	MK – 69054 (10) MK – 47307 (23) HD – 84 (10) HD – 67 (23)
(11)	General Catalogue of Stellar <u>Radial Velocities</u>	RV – 646 HD – 1**
(12)	IDS and SAO	—
(13)	IDS and HD/HDE	—
(14)	IDS and AGK3	—
[15]	<u>FK5</u> and <u>FK5 Extension</u>	RV – 31
[16]	<u>PPM North and PPM South Catalogs and PPM Supplement</u>	POS – 1548 PM – 40455 PTV – 37689 PTG – 143610 HD – 75382
[17]	<u>ACRS</u>	POS – 111 PM – 811
[18]	<u>Hipparcos Input Catalog Version 2 Annex</u>	POS – 1 DBL – 734
[19]	<u>WDS</u> Catalog	V – 5 PTV – 2359 MK – 244 HD – 1464 DBL – 28716

Value	Source Catalog Data Representation in SKY2000 V5 R4 MC (Shading gray for astrometric, blue for UBV/ptv/ptg, green for MK/HD types, red for R//CCDST)	
	Common Name	Data Types and Number of Entries
[20]	Catalogue of Homogeneous Means in <u>UBV</u>	V – 27427 MK – 948 HD – 54
[21]	Photoelectric Photometric Catalog in <u>UBVR</u>	R – 1 I – 1
[22]	<u>Russian WBVR</u> Catalog	R – 1
[24]	Catalogue of Photoelectric Magnitudes and Colours of Visual <u>Double</u> and <u>Multiple</u> Systems	HD – 1 DBL – 20
[25]	<u>Bright Star</u> Catalog 5th Edition	PM – 5 RV – 1349 PARLX – 2 V – 59 MK – 8425 DBL – 113 R – 821 I – 2754
[26]	<u>Bright Star Supplement</u>	RV – 52 V – 1 MK – 1935 DBL – 42 I – 303
[27]	Catalog of Red Magnitudes [<u>CRM</u>]	V – 4371 DBL – 41 R – 13482
[28]	New Catalog Of Suspected Variable Stars [<u>NSV</u>]; [<u>NSVS</u>]	PTV – 3 PTG – 6 HD – 42 VAR – 6491 R – 3 I – 37
[29]	<u>SAOJ2000</u>	POS – 55 PM – 54 PTV – 58960 PTG – 10026 HD – 776
[30]	<u>GCVS</u> , 4th edition	PTV – 99 PTG – 136 MK – 746 HD – 137 VAR – 6448
[31]	<u>CRM</u> [non-GCVS variable data]	PTV – 1

Value	Source Catalog Data Representation in SKY2000 V5 R4 MC (Shading gray for astrometric, blue for UBV/ptv/ptg, green for MK/HD types, red for R//CCDST)	
	Common Name	Data Types and Number of Entries
<32>	Four -Color <u>uvby</u> and <u>H-beta</u>	—
<33>	<u>Hipparcos Main Input Catalogue Version 2</u>	RV – 18633 V – 330
<34>	<u>IRS Catalog</u>	V – 1***
<35>	<u>HD Extension Charts</u>	POS – 1 PTV – 1 PTG – 8395 MK – 1† HD – 8099
<36>	<u>Namelists</u>	VAR – 49
<37>	<u>DS-programme star positions</u>	—
<38>		—
<39>	<u>MK-Extension</u>	MK – 29
<40>	<u>Astrometric Studies</u>	—
<41>	<u>Precision Studies</u>	—
<42>	<u>FK5 Supplement</u>	—
<43>	Catalogue of <u>MK Classifications</u>	MK – 5
<44>		—
<45>	366 Stars, <u>UBV</u> , <u>V 6-10</u>	—
<46>		—
<47>		RV – 1
<48>	<u>Uvby, beta Catalogue</u>	MK – 1
+49+	<u>GSC</u>	—
50	<u>CSSC</u>	MK – 9621 HD – 3976
<51>	<u>Harvard photometry</u>	—
<52>	<u>PPMN-HP subset</u>	POS – 1 PM – 2
<53>	<u>Geneva photometric Catalog</u>	—
<54>	<u>MK Catalogs</u>	MK – 3
<55>	Catalog of <u>Carbon Stars</u>	PTV – 1 MK – 1 HD – 5
<56>	Cordoba DM < <u>CD</u> >	PTV – 2
{57}	Cape DM { <u>CPD</u> }	PTG – 5
{58}	Bonner DM { <u>BD</u> }	PTV – 17
{59}	Southern DM { <u>SD</u> }	—

Value	Source Catalog Data Representation in SKY2000 V5 R4 MC (Shading gray for astrometric, blue for UBV/ptv/ptg, green for MK/HD types, red for R//CCDST)	
	Common Name	Data Types and Number of Entries
<60>	HD Extension 2	—
[61]	ACRS Part II	—
<62>		—
<63>	Catalog of <u>S Stars</u>	PTV – 2 PTG – 2 MK – 3
+64+	<u>TAC</u>	POS – 13 PM – 12 V – 1 PTV – 2 PTG – 1
+65+	<u>ACT</u>	POS – 178231 PM – 149823
+66+	Hipparcos Main Catalog (<u>HIP</u>)	POS – 95332 PM – 95332 RV – 1†† PARLX – 95330 V – 105 MK – 7 HD – 7474
+67+	Hipparcos Components Catalog (<u>HIPc</u>)	POS – 12111 PM – 12111 RV – 5†† PARLX – 12114 DBL – 16
+68+	Tycho Output Catalogue (<u>TYC</u>)	POS – 12015 PM – 810 PARLX – 190110 V – 265641
+69+	<u>SIMBAD</u>	—
+70+	<u>RXTE</u>	X (CCD) – 16844
71	<u>SWAS</u>	X (CCD) – 72
+80+	<u>IRC</u>	POS – 40 PM – 39 V – 1
+81+	<u>O Stars</u>	MK – 1
82	<u>???</u>	RV – 1
85	<u>???</u>	V – 1 R – 1 I – 1
86	<u>???</u>	RV – 1

Value	Source Catalog Data Representation in SKY2000 V5 R4 MC (Shading gray for astrometric, blue for UBV/ptv/ptg, green for MK/HD types, red for R//CCDST)	
	Common Name	Data Types and Number of Entries
+90+		POS – 1 PM – 1 V – 1 DBL – 9
(94)	<u>WDS Catalog or Blanco Catalog</u>	—
(95)	<u>Michigan, Volumes I-III or Catalog of Selected Spectral Types</u>	—
(96)	<u>SAO or HD/HDE Catalog</u>	HD – 236
(97)	<u>SKYMAP Master Catalog Version 3.7 (Miscellaneous)</u>	—
(98)	<u>SKYMAP MC Version 3.7</u>	MK – 3074
99	<u>Miscellaneous</u>	RV – 1

NOTES

* MK spectral types from source 2 (HD/HDE): These catalogs did not contain MK spectral types, but in some cases composite spectra stars were represented by two entries in the HD/HDE. If they have not yet been separated adequately, these stars are represented by single entries in the MC, with combined spectral types that do not fit into the MC HD spectral type field. These "MK" entries should be distinguishable by the absence of luminosity class information and a plus sign indicating a combined spectrum.

** HD spectral type from source 11 (GCRV): This catalog probably did not contain spectral types, so the source code given for the HD type in this MC entry is likely in error.

*** Johnson V magnitude from source 34 (IRS): This catalog contained photographic magnitudes, not V's, so the source code given for these data in the MC is likely in error, or the value is in the wrong MC field.

† MK type from source 35 (HDE Charts): This case is probably similar to the cases described in the first note in this section.

†† Radial velocities from sources 66 and 67 (Hipparcos Main and Component catalogs): The Hipparcos satellite did not measure RV, so all values in these catalogs were from external sources. The MC source codes should probably be 33 for these RV entries.

Catalogs with common names coded in orange: These catalogs are unidentified at the present time.

Catalogs with common names coded in yellow: Data from these sources are highly suspect. In the case of source code 96 HD spectral types, any truly correct data should have been replaced when the MC was updated from the original HD/HDE/SAO catalogs. Remaining data are probably incorrect. In the case of the source 98 MK spectral types, some types in MC Version 3.7 were generated from other data by software, a practice since discontinued for data to be included in the MC. In other cases, correct types were drawn from sources that were not clearly attributed.