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ICCD SPECKLE OBSERVATIONS OF BINARY STARS. XVII. MEASUREMENTS DURING 1993–1995 FROM THE MOUNT WILSON 2.5-M TELESCOPE

WILLIAM I. HARTKOPF,[1] HAROLD A. MCALISTER,[1] BRIAN D. MASON,[1,2] THEO TEN BRUMMELAAR,[1] LEWIS C. ROBERTS, JR.,[1] NILS H. TURNER,[1] AND JOHN W. WILSON[1]

Center for High Angular Resolution Astronomy, Georgia State University, Atlanta, Georgia 30303
Electronic mail: (hartkopf, hal, mason, theo, lewis, nils, wilson)@chara.gsu.edu

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ABSTRACT

We present 1328 observations of 975 binary star systems, observed by means of speckle interferometry with the Hooker 2.5-m telescope on Mount Wilson during the period 1993 December to 1995 December. These measurements comprise the 17th installment in CHARA's ongoing ICCD speckle program at 2- to 4-m class telescopes. Of greater note, however, is the fact that these measurements include the first data obtained following the reopening of this historic telescope in late 1993. © *1997 American Astronomical Society.* [S0004-6256(97)01910-9]

1. INTRODUCTION

This paper is the 17th in our current series of reports on a continuing effort to provide high-accuracy, high-angular-resolution measurements of binary star systems by speckle methods. We here present measurements from the Mount Wilson Observatory's Hooker 2.5-m (100-inch) telescope, obtained during nine observing runs from 1993 December through 1995 December. Information regarding these runs (number of usable nights, observers, calibration methods used) is given in Table 1. The 1993 December run saw the first scientific data obtained by the Hooker telescope since its closure in mid-1985, following extensive restoration efforts (described in brief below). Although a small number of our speckle measures have been published in connection with ongoing orbital analyses and duplicity surveys, this paper comprises the first large compilation of 100-inch data published since that reopening.

2. REFURBISHMENT OF THE 100-INCH HOOKER TELESCOPE

Refurbishment of the Hooker telescope, begun in 1992 by the Mount Wilson Institute (MWI) and funded by several individuals and private foundations, included three major areas:

(1) **Electrical System:** The existing solenoid relays and switches were bypassed with power transistors and rectifiers governed by a microprocessor control unit (although the original system is intact and can be switched to at any time). The trolleys were replaced by slip rings, and the wiring between the control panel, relay board, and dome and telescope motors was replaced.

(2) **Drives:** Encoders, controllers, opto-isolated solid-state relays for power switching, and communications hardware were installed. The telescope is now controlled by a 486 computer, using custom-written software.

(3) **Mercury Bearings:** After a thorough environmental scrubbing of any residual mercury that had seeped from the bearings, the bearings were dismantled and rebuilt in 1992. An outer shell of fiberglass now surrounds the bearings and effectively isolates the mercury and its vapor from human contact. This double-walled system has closed cycling of any mercury escaping the inner structure. As a further precaution, the environment is continuously monitored for Hg vapor.

All other major mechanical and optical elements of the telescope were found to be in excellent condition, and required no work beyond routine maintenance. Limited operations using the telescope were begun in 1993 December, with the above-described upgrades completed by MWI in July of the following year. Although improvements to the telescope, dome, and associated instrumentation (including one of the finest adaptive-optics systems now in operation) will continue, the current upgrades have brought this 80-year old telescope to a level of modern, convenient, and trouble-free operation.

3. CALIBRATION

Our basic ICCD speckle camera remained identical to that described earlier in this series (see McAlister *et al.* 1987), and all data were reduced utilizing the "directed vector autocorrelation" algorithm described by Bagnuolo *et al.* (1992).

Separation (ρ) and position angle (θ) calibrations of data obtained during our first five runs were initially determined through observations of binary stars with well-known orbits

[1]Visiting Astronomer, Mount Wilson Observatory, operated under a collaborative agreement between the Carnegie Institution of Washington and the Mount Wilson Institute.
[2]Current address: U.S. Naval Observatory, Washington, DC 20392-5420.

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TABLE 1. Mount Wilson observing runs.

Dates	Observer(s)	Effective No. Nights	Calibration Method
1993 Dec	HAM, WIH, BDM	3	star trail
1994 Feb	BDM	1	star trail
1994 Mar	BDM, LCR	1	star trail
1995 Feb	BDM, TtB	4	star trail
1995 Apr	TtB, NHT	3	star trail
1995 Jun	WIH, BDM	4	star trail, slit mask
1995 Aug	TtB, JWW	5	star trail, slit mask
1995 Oct	HAM, WIH	5	star trail, slit mask
1995 Dec	LCR, TtB	6	star trail, slit mask

or stars observed during this same time frame at Kitt Peak Observatory (where our speckle camera has been accurately calibrated). Independent θ calibrations for all runs were determined by trailing a star across our acquisition field with the telescope drive off. A small number of measures calibrated in this manner have been published, as noted in Table 2.

As speckle runs at KPNO became less frequent, however, it was imperative that a means be developed of making an absolute calibration of our Mount Wilson data. The most straightforward such calibration technique is through the use of a double–slit pupil mask placed over the entrance aperture of the telescope, in effect turning the telescope into a Michelson interferometer. A single star observed through this mask produces a set of fringes via this "Young's double slit experiment"; the scale is then defined using the formula:

$$\alpha = 206265\left(\frac{\lambda}{l \cdot s_{\rm cal}}\right),$$

where α is the separation scale in arcseconds per pixel, λ the filter effective wavelength, and $s_{\rm cal}$ the mean spacing between autocorrelation peaks.

During the spring of 1995 a double–slit pupil mask was designed and constructed in the Mount Wilson machine shop by Bob Cadman, the Mount Wilson Superintendent. The two slits are defined by rigid 3-m by 10-cm frames constructed of welded 1-inch square aluminum tubing. These slits are mounted atop the secondary structure of the telescope at a slit separation of 1.330 m, with exact positioning defined by multiple registration pins. Velcro-mounted black canvas covers the remainder of the telescope opening.

A disadvantage of the slit mask used at the Kitt Peak 4-m (see McAlister 1977) was that the telescope size made it impractical to mount a mask at the entrance aperture of the telescope. Placement of the mask over the "stove-pipe" light baffle atop the Cassegrain hole meant that the beam was already converging (after reflecting off both primary and secondary mirrors) before it encountered the mask. As a result, the effective focal length of the telescope and position of the mask were required in order to project the slit spacing onto the entrance aperture, and the final accuracy of the calibration was limited to about 0.6% by the uncertainty of this focal length. The Mount Wilson design is thus more "absolute," since no such projection is needed.

Observations using this mask were obtained during the final four observing runs of 1995, as well as three runs in 1996. As no seasonal variations were apparent, all calibrations were then averaged; rms scatter amongst these seven values was found to be less than 0.2%.

Following completion of this double-slit calibration, measures from these later runs were used together with the Kitt Peak measures to make slight adjustments in the calibrations of the earlier (pre-mask) Mount Wilson data. Revised values for the small number of previously published 100-inch data are presented in Table 2.

4. NEW MEASUREMENTS

The GSU/CHARA speckle camera was scheduled for a total of 46 nights during these nine Mount Wilson runs. Roughly 25%–30% of this time was lost to clouds, poor seeing, or minor equipment glitches, but in the remaining time we were able to obtain just over 3,000 observations. After removing observations of calibration objects and unresolved stars, and after averaging observations of stars observed using more than one filter, we are left with 1328 observations of 975 binary star systems.

The new measurements are presented in Table 2, where we use a similar format to that used in other recent papers in this series. The first line of information for each star gives four different identifiers; the first column usually lists the ADS or HR number, followed by the discoverer designation and the HD or BD number. The coordinates in column 4, which also serve as the *Washington Double Star Catalog* (WDS) number, are for equinox 2000.0. One or more individual measures are listed below each set of star names. Here column 1 gives the epoch of observation, shown as the fraction of the Besselian year. Column 2 gives the position angle in degrees; these θ values have not been corrected for precession and are thus based upon the equinox for the epoch of observation. Angular separations in seconds of arc are given in column 3, while column 4 lists the filter effective wavelength and FWHM in nanometers. Accuracies are of course a function of stellar magnitude, magnitude difference, separation, and observing conditions; typical values for these observations are 1–3 mas in ρ and 0°.1–0°.2 in θ. Colons preceding θ or ρ values indicate measurements of somewhat reduced accuracy, usually the result of observing fainter systems or systems of larger magnitude difference. Short notes to some of these stars follow Table 2; stars and individual measures having notes are flagged in column four of the appropriate line in the table.

TABLE 2. Mt. Wilson speckle measures.

Star Name	Disc. Desig.	HD/BD	WDS	Star Name	Disc. Desig.	HD/BD	WDS
Date (BY)	θ (deg)	ρ (arcsec)	Filter	Date (BY)	θ (deg)	ρ (arcsec)	Filter
ADS 17175	Bu 733 AB	HD 224930	00020+2706	1995.7679	248.3	0.635	549/22
1995.7653	141.4:	0.737:	549/22	BD+35 117	Cou 1051	HD 3742	00405+3627
ADS 17180	A 1249	HD 224994	00024+1047	1995.9207	83.6	0.448	549/22
1995.6069	221.2	0.132	538/76	ADS 673	Bu 495	HD 4655	00488+1842
1995.9180	218.9	0.122	538/76	1995.9209	340.3	0.175	549/22
ADS 30	CHARA 122 Aa	HD 225218	00046+4206	ADS 684	Bu 232 AB	HD 4777	00504+5038
1993.9194	71.9	0.085	549/22	1995.9208	244.7	0.867	538/76
1995.7653	61.7:	0.080:	549/22	ADS 701	A 1808	HD 4934	00516+2238
1995.7679	63.6	0.079	549/22	1993.9196	186.9	0.140	549/22
1995.9236	61.6	0.073	549/22	1995.7627	188.9	0.145	549/22
ADS 32	StF 3056 AB	HD 225220	00046+3416	ADS 705	A 924	BD+31 132	00520+3154
1995.7679	143.9	0.720	549/22	1995.9208	355.0	0.153	538/76
ADS 51	Hu 1201 AB	HD 39	00055+3406	ADS 732	A 2307	HD 5143	00532+0406
1995.9207	307.8	0.188	538/76	1995.7627	52.8	0.236	549/22
ADS 61	StF 3062 AB	HD 123	00062+5826	1995.9316	55.9	0.228	538/76
1995.9263	320.5	1.469	549/22	BD+42 196	Cou 1654	HD 5178	00542+4318
AG+32 12	Cou 647	BD+31 2	00086+3229	1995.6041	99.6	0.151	538/76
1995.9207	31.8	0.227	538/76	1995.9208	98.3	0.146	549/22
BD+18 3	Cou 247	HD 489	00095+1907	ADS 746	Stt 20 AB	HD 5267	00546+1912
1995.6069	331.1	0.329	538/76	1993.9196	200.7	0.492	549/22
1995.9180	328.0	0.320	538/76	1995.7627	198.4	0.500	549/22
ADS 143	StF 7	HD 709	00116+5558	1995.9316	197.6	0.499	549/22
1993.9194	211.5	1.320	549/22	ADS 749	Hu 802	HD 5259	00549+4924
1995.7678	211.5	1.320	549/22	1995.7626	217.9	0.348	549/22
1995.9263	211.0	1.324	549/22	ADS 755	StF 73 AB	HD 5286	00550+2338 e,*
ADS 147	Bu 255	HD 744	00119+2825	1993.9196	296.3	0.778	549/22
1995.9207	72.6	0.497	549/22	1995.7627	300.6	0.810	549/22
ADS 148	Bu 1026 AB	HD 761	00122+5337 a	ADS 768	Bu 500	HD 5315	00554+3040
1993.9194	285.8	0.215	549/22 b	1995.9208	300.3	0.492	538/76
1995.7679	291.7	0.240	549/22	ADS 777	Hu 1207	HD 5398	00561+3352
1995.9236	291.0	0.240	549/22	1995.6041	185.4	0.333	549/22
ADS 155	A 2001	HD 866	00130+0257	1995.9208	184.4	0.335	538/76
1995.6068	155.7	0.322	538/76	ADS 773	A 1259	HD 232319	00561+5406
1995.9180	153.5:	0.305:	538/76	1995.9207	105.1:	0.117:	538/76
ADS 161	Stt 2 AB	HD 895	00134+2659	ADS 784	Bu 1099 AB	HD 5408	00568+6022
1995.6069	174.4	0.344	549/22	1993.9169	338.6	0.280	549/22
1995.7679	173.9	0.347	549/22	1993.9196	339.0	0.277	549/22
1995.9191	173.1	0.347	549/22	ADS 795	Hld 4	HD 5502	00576+5424
ADS 238	A 1803 AB	HD 1317	00173+0852	1995.9207	350.2	0.143	538/76
1993.9250	125.0	0.180	549/22	ADS 805	Bu 302	HD 5641	00583+2124
1995.6068	124.0	0.179	549/22	1995.7627	179.9	0.377	549/22
1995.9180	123.1	0.181	549/22	1995.9316	179.6	0.377	549/22
ADS 281	Bu 1015	HD 1634	00206+1219	ADS 819	A 1902	HD 5781	00593−0040
1995.6069	91.1	0.399	538/76	1995.7627	193.9	0.326	549/22
1995.9180	90.5	0.406	538/76	1995.9316	193.7:	0.331:	538/76
ADS 295	Cou 347 Aa	HD 1688	00214+2744	BD+40 199	Cou 1505	HD 5729	00594+4057
1995.9207	55.1	0.428	538/76	1995.6041	139.9	0.219	538/76
ADS 328	Hu 506	HD 1976	00243+5201	1995.9208	138.2	0.221	538/76
1995.7679	63.7	0.141	549/22	ADS 828	Bu 867	HD 5988	01014+1155
ADS 332	A 908	HD 236401	00245+5632	1995.9209	0.8	0.514	538/76
1995.9207	236.9	0.419	538/76	BD+34 164	Cou 854	HD 5955	01014+3535
AG+30 46	Cou 653	BD+30 58	00270+3058	1993.9196	313.6	0.116	549/22
1995.9207	258.4	0.391	538/76	1995.6041	301.7	0.122	549/22
ADS 382	A 1504 AB	HD 2471	00287+3718	1995.9208	301.2	0.118	538/76
1995.9207	38.9	0.558	538/76	ADS 859	Bu 1161	HD 6084	01029+5148
ADS 416	Bu 394	HD 2675	00308+4732	1993.9196	10.7	0.352	549/22
1993.9194	114.4	0.091	549/22	1995.7626	10.9	0.354	549/22
ADS 434	Stt 12	HD 2772	00318+5432	1995.9316	10.0	0.354	549/22
1993.9194	192.2	0.428	549/22	ADS 862	Stt 21	HD 6114	01030+4723
1995.7679	193.4	0.415	549/22	1993.9196	175.0	1.091	549/22
BD+26 72	Cou 547	HD 2854	00320+2740	1995.7626	175.2	1.110	549/22
1993.9249	215.1	0.126	549/22	1995.9316	174.8	1.112	549/22
ADS 449	McA 1 Aa	HD 2913	00323+0657 *	ADS 871	Hu 517	HD 6194	01037+5026
1993.9250	288.8	0.193	549/22	1995.9208	27.0	0.565	538/76
1995.6068	289.2	0.231	549/22	ADS 873	Ho 213	HD 6264	01039+3528
1995.9180	287.8	0.231	549/22 c	1995.6041	106.3	0.295	549/22
ADS 463	Ho 3	HD 2993	00335+4006	1995.9208	105.8	0.294	549/22
1993.9194	95.8	0.245	549/22	ADS 883	A 1515	BD+36 190	01049+3649
1995.7679	85.7	0.239	549/22	1995.9208	295.5	0.225	538/76
ADS 475	D 2 AB	HD 3125	00345−0433	ADS 887	A 929 AB	BD+29 176	01070+3014
1995.6068	267.8	0.290	549/22	1995.7599	125.3	0.656	538/76
1995.9180	265.1	0.284	549/22	1995.9263	125.3	0.658	538/76
AG+29 82	Cou 654	BD+29 99	00345+3015	ADS 918	A 1516 AB	HD 6586	01071+3839
1995.9207	214.5:	0.226:	538/76	1993.9196	140.3	0.105	549/22
ADS 490	Ho 212 AB	HD 3196	00352−0336	1995.7599	168.6	0.095	549/22
1993.9250	352.8	0.073	549/22	1995.9318	170.4	0.093	549/22
1995.6068	44.0	0.217	549/22	ADS 936	AC 13 AB	HD 6757	01088+4512
1995.9180	51.3	0.231	549/22	1995.9319	263.4	0.597	538/76
ADS 493	Stt 15	HD 3210-1	00358+4901	ADS 940	Stt 515	HD 6811	01093+4715 e,*
1995.7679	321.7	0.214	549/22	1993.9196	130.2	0.490	549/22
ADS 504	A 914	HD 3304	00366+5608	1995.7599	129.0	0.492	549/22
1995.9207	28.0	0.454	549/22	1995.9290	128.6	0.492	549/22
ADS 559	Bu 257	HD 3700	00402+4715	ADS 955	Bu 303	HD 6886	01096+2348

TABLE 2. (continued)

Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter	Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter
1995.7627	292.4	0.633	549/22	ADS 1360	Bu 509	HD 10619	01437+0934
1995.9318	292.0	0.633	549/22	1995.9181	72.5	0.481	538/76
ADS 951	Hu 519	HD 232385	01100+5153	ADS 1359	Bu 870	HD 10543	01443+5732
1995.9263	129.6	0.363	538/76	1995.9263	351.4	0.773	549/22
ADS 963	Bu 235 Aa	HD 6918	01106+5101	AG+26 179	Cou 750	BD+26 287	01450+2703
1995.9319	130.7	0.936	538/76	1995.9155	190.5	0.153	nofilter
ADS 974	A 655	HD 7018	01112+4113	ADS 1410	A 1523	BD+41 342	01472+4212
1995.7708	328.2	0.355	549/22	1995.9154	63.1	0.393	538/76
ADS 993	A 1260	HD 7255	01131+2942	ADS 1438	StF 162 AB	HD 11031	01492+4754
1995.9318	48.9	0.242	538/76	1995.7599	202.9	1.950	549/22
ADS 1005	Hu 803	BD+33 193	01151+3416	ADS 1451	Hu 422	HD 11182	01497−1414
1995.9318	208.7	0.875	538/76	1995.9182	227.4:	0.221:	538/76
AG+02 131	CHARA 195	BD+01 234	01155+0216	ADS 1454	Bu 1168	HD 11181	01497−1022
1995.9236	146.3:	0.257:	538/76 c	1995.9182	212.6:	0.218:	538/76
ADS 1039	Hu 520	HD 7695	01178+4946	BD+25 311	Cou 452	HD 11245	01510+2551
1995.7681	165.7	0.323	549/22	1995.7681	182.4	0.287	549/22
1995.9319	165.8	0.336	549/22	1995.9155	181.0	0.293	549/22
ADS 1040	StF 102 AB	HD 7710	01178+4901	ADS 1473	Ho 311	HD 11284	01512+2439
1995.7599	277.0	0.476	549/22	1993.9197	337.6	0.184	549/22
1995.9319	276.6	0.476	549/22	1995.7681	340.9	0.208	549/22
ADS 1045	A 937	HD 7759	01181+4707	ADS 1482	Hu 1213	HD 11364	01520+1326
1995.9319	216.1	0.299	538/76	1995.9181	99.1	0.144	538/76
BD+32 229	Cou 663	HD 7854	01187+3245	BD−05 333	Rst 4188	HD 11488	01528−0447
1995.7627	176.0	0.341	549/22	1995.9182	21.8:	0.468:	538/76
1995.9318	175.3	0.337	549/22	ADS 1522	StF 183 AB	HD 11671	01551+2847
ADS 1065	Hu 521	HD 7881	01194+4857	1995.7600	160.2	0.322	538/76
1995.9319	293.2	0.299	538/76	1995.9155	159.4	0.324	538/76
ADS 1077	A 313	HD 8032	01196−0520	ADS 1538	StF 186	HD 11803	01558+0151
1995.9236	353.0	0.250	538/76	1995.7654	59.9	1.087	549/22
BD+11 167	CHARA 196	HD 8018	01197+1209	ADS 1537	A 1524 AB	HD 11748	01563+4251
1995.7599	315.1	0.163	538/76 c	1995.9154	236.6	0.327	538/76
1995.9318	313.6	0.160	538/76 c	ADS 1548	A 819 AB	HD 11849	01570+3101
ADS 1081	StF 113 A,BC	HD 8036	01198−0029	1993.9252	226.5	0.242	549/22
1995.7627	15.8	1.550	549/22	1995.7600	235.2	0.226	538/76
ADS 1081	Fin 337 BC	HD 8036	01198−0029	ADS 1549	A 818	HD 11826	01573+4812
1993.9197	352.5:	0.094:	549/22	1995.7709	206.5	0.300	549/22
ADS 1105	StF 115 AB	HD 8272	01233+5808	1995.9154	205.4	0.293	538/76
1995.9290	186.7	0.108	549/22	ADS 1554	A 1526	HD 11869	01576+4433
ADS 1123	Bu 1163	HD 8556	01243−0655 a	1995.7709	238.1	0.099	549/22
1993.9197	217.9	0.327	549/22 b	1995.9154	234.6	0.099	538/76
1995.6096	217.1	0.360	549/22	AG+40 211	Cou 1510	BD+40 426	02016+4107
1995.7627	215.8	0.362	549/22	1995.9154	131.2:	0.358:	538/76
1995.9236	214.8	0.366	549/22	ADS 1615	StF 202	HD 12446-7	02020+0246
ADS 1183	A 1910 AB	HD 9071	01296+2250 a	1995.7654	275.9:	1.835:	549/22
1993.9197	238.9	0.099	549/22 b	AG+45 221	Cou 1665	BD+44 407	02021+4530
1995.7599	228.6	0.106	549/22	1995.9154	103.6	0.494	538/76
1995.9290	225.2	0.111	549/22	ADS 1613	A 1813 AB	HD 12376	02022+3643
BD+09 175	CHARA 197	HD 9110	01298+1014	1993.9250	292.8	0.083	549/22
1995.9318	112.1	0.080	538/76 c	1995.7600	336.9	0.122	538/76
BD+45 359	Cou 1659	HD 9031	01298+4547	1995.9291	339.7:	0.128:	538/76
1995.7708	26.3	0.314	549/22	BD+08 316	McA 4	HD 12483	02026+0905
1995.9319	25.6	0.318	538/76	1993.9252	146.5	0.226	549/22
AG+14 126	CHARA 198	BD+14 232	01317+1506	1995.7600	147.2	0.225	549/22
1995.9318	352.6	0.377	538/76 c	1995.9264	146.6	0.221	549/22
HR 439	McA 3	HD 9352-3	01334+5820	ADS 1630	Stt 38 BC	HD 12534	02039+4220
1993.9250	113.5:	0.102:	549/22	1995.7601	106.2	0.518	549/22
1995.7599	110.4:	0.102:	549/22	1995.9265	105.8	0.515	549/22
ADS 1224	A 1912 AB	HD 9532	01342+3611	BD+38 401	Cou 1365	HD 12592	02043+3924
1995.7708	4.5	0.173	549/22	1995.7600	129.2:	0.188:	538/76
1995.9318	4.4	0.175	538/76	1995.9265	129.5	0.192	538/76
ADS 1232	A 314	HD 9626	01343−0827	ADS 1645	Bu 516	HD 12774	02052−0058
1995.9236	211.0:	0.142:	538/76	1995.9183	311.3	0.680	538/76
ADS 1263	A 817	HD 9841	01371+4843	AG+30 211	Cou 455	BD+29 357	02055+3018
1995.7681	28.0:	0.484:	549/22	1995.9265	98.5	0.424	538/76
1995.9319	27.3	0.468	538/76	BD+34 379	Cou 1067	HD 13102	02090+3541
AG+39 163	Cou 1214	BD+39 367	01373+4015	1993.9250	23.3	0.180	549/22
1995.9318	175.0	0.312	538/76	1995.7600	24.3:	0.191:	538/76
HR 466	Kui 7	HD 10009	01376−0924 a	1995.9265	25.0	0.188	538/76
1993.9197	155.3	0.277	549/22 b	ADS 1680	A 2325	BD+00 358	02097+0048
1995.9182	153.3	0.296	549/22	1995.9183	122.9:	0.251:	538/76
ADS 1286	A 1266	HD 10031	01392+5436	AG+44 222	Cou 1667	BD+43 436	02107+4426
1995.7599	236.8	0.167	549/22	1995.7709	62.0	0.131	549/22
ADS 1309	A 1267	HD 10146	01405+5457	ADS 1701	Ho 497	HD 13496	02128+3722
1995.7599	6.5	0.261	549/22	1995.9265	83.9	0.509	538/76
ADS 1321	A 2320	HD 10297	01409+1117	ADS 1709	StF 228	HD 13594	02141+4729
1995.9181	230.4	0.060	538/76	1995.9265	279.3	1.030	549/22
GJ 67 AB	LFT 150	HD 10307	01418+4237	HR 657	Cou 79	HD 13872	02157+2503 a
1995.7599	190.3:	0.306:	549/22	1995.7600	13.4	0.137	549/22
ADS 1345	A 1	HD 10508	01424−0646	1995.9265	11.6	0.132	549/22
1995.9182	245.4	0.789	538/76	ADS 1729	A 2013	HD 13959	02158+0638
ADS 1341	B 2550 AB	BD+49 440	01425+5000	1993.9252	101.8	0.476	549/22
1995.7709	274.2	0.229	549/22	1995.9264	97.8:	0.460:	538/76
1995.9154	276.1	0.233	538/76	BD+40 469	Cou 1669	HD 13844	02160+4046

TABLE 2. (continued)

Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter	Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter
1995.7709	173.7	0.186	549/22	ADS 2268	A 2610	HD 18628	02594−1016
1995.9265	174.3	0.184	538/76	1995.9156	7.5:	0.400:	538/76
BD+40 476	Cou 1670	HD 14137	02183+4120	ADS 2271	A 1529	HD 18549	03006+4753
1995.7601	40.5:	0.140:	538/76	1995.7628	165.9	0.240	549/22
1995.9265	44.1	0.137	538/76	1995.9209	162.9	0.225	538/76
ADS 1763	Egg 2 Aa	HD 14189	02186+4017	HERZ 10942	Rst 4220	BD−06 595	03038−0542
1995.7600	143.6	0.237	549/22	1995.9156	339.1:	0.421:	538/76
1995.9265	144.6	0.241	549/22	HR 915	γ Per	HD 18925	03048+5330
BD+09 313	CHARA 199	HD 14866	02242+1016	1993.9253	64.2	0.146	549/22
1995.7682	165.2:	0.097:	549/22 c,*	1995.7683	64.2	0.210	549/22
BD+24 344	Cou 357	HD 14918	02250+2529	1995.9238	63.8	0.214	549/22
1995.7682	129.0	0.290	549/22	ADS 2336	StF 346 AB	HD 19134-5	03055+2515
1995.9264	128.6	0.289	538/76	1995.7683	69.7	0.317	549/22
ADS 1853	A 2328	BD+19 357	02270+1952	1995.9237	69.2	0.317	549/22
1995.9264	78.0	0.407	538/76	ADS 2334	Bu 1175	HD 19091-2	03062+4342
ADS 1865	A 2329	HD 15285	02277+0426	1995.9238	273.8	0.638	538/76
1993.9252	103.9	0.543	549/22	ADS 2355	A 2416	HD 19333	03066+0046
1995.7600	109.6	0.623	538/76	1995.9183	8.4:	0.564:	538/76
1995.9264	109.5:	0.621:	538/76	HR 936	β Per Aa	HD 19356	03082+4057
BD+44 500	Cou 2011	HD 15174	02279+4523	1995.9237	133.5	0.097	538/76
1995.9265	66.1	0.368	538/76	ADS 2366	Bu 528 AB	HD 19542	03084−0335
HR 719	Kui 8	HD 15328	02280+0158	1995.9158	181.7:	0.309:	538/76
1993.9252	35.2	0.508	549/22	ADS 2387	Ho 500 AB	HD 278336	03119+3605
1995.7600	35.6	0.510	549/22	1995.9237	224.1	0.707	538/76
1995.9263	35.0	0.515	549/22	ADS 2416	StF 367	HD 20115	03140+0044
ADS 1882	A 2016 AB	HD 15366	02287+0840	1995.9183	138.1	1.156	538/76
1995.9264	171.1	0.464	538/76	ADS 2440	Bu 84	HD 20319	03161−0555
ADS 1938	Stt 42 AB	HD 15703	02333+5218	1995.9156	8.6	0.975	549/22
1995.7601	301.0	0.080	549/22	AG+26 326	Cou 559	BD+25 531	03188+2617
1995.9266	301.1	0.075	549/22	1995.9237	96.8	0.682	538/76
BD+39 577	Baz	HD 16097	02363+4012	BD+28 532	CHARA 9	HD 21242	03266+2843
1995.7710	67.6	0.300	549/22	1995.9237	58.5	0.297	549/22
HR 763	McA 7	HD 16234	02366+1226	ADS 2546	Cou 260	HD 21437	03280+2028
1993.9252	332.3:	0.085:	549/22	1995.7682	23.3	0.241	549/22
ADS 1992	A 1278	HD 16283	02383+4604	1995.9291	22.9	0.237	538/76
1995.7710	137.7	0.116	549/22	ADS 2562	Bu 1180 AB	HD 21529	03284−0434
ADS 2005	A 450	HD 16453	02384−0125	1995.9156	22.9:	0.448:	538/76
1995.7682	191.0:	0.352:	549/22	BD+34 678	Cou 1079 AB	HD 278801	03333+3522
1995.9156	191.3	0.347	538/76	1995.9237	36.7	0.310	538/76
HR 781	Fin 312	HD 16620	02396−1153	BD+36 721	Cou 1224	HD 278783	03333+3643
1993.9252	168.2	0.074	549/22	1995.9237	38.3:	0.379:	538/76
1995.7682	199.9	0.094	549/22	HR 1071	CHARA 117	HD 21794	03337+5752 *
ADS 2028	A 1928	HD 16619	02398+0009	1993.9253	60.5	0.133	549/22
1993.9253	345.0	0.093	549/22	1995.7683	80.4	0.141	549/22
1995.7682	19.8	0.136	549/22	1995.9238	82.2	0.141	549/22
BD+40 568	Cou 1511	HD 16656	02415+4053	ADS 2616	StF 412 AB	HD 22091	03345+2428
1995.7710	319.2	0.135	549/22	1995.7683	359.0	0.671	549/22
ADS 2051	Hu 539	HD 16692	02423+4925	1995.9237	358.4	0.667	549/22
1995.9209	357.8	0.135	538/76	ADS 2627	Cou 688 Aa	HD 22181	03353+2651
ADS 2101	Hu 1046	HD 17104	02450+1414	1995.9237	196.8:	0.477:	549/22
1995.7628	119.2	0.845	549/22 c	ADS 2628	Bu 533	HD 22195	03356+3141
1995.9155	118.9	0.843	538/76 c	1995.9237	41.6	1.082	549/22
ADS 2133	A 2411	HD 17417	02477+0142	ADS 2630	A 1535	HD 22193	03361+4221
1995.9210	277.0:	0.331:	538/76	1995.9238	328.9	0.695	538/76
ADS 2155	A 2412	BD+00 466	02492+0040	BD+44 747	Cou 1862	HD 22209	03364+4518
1995.9156	102.5:	0.336:	538/76	1995.9238	16.5	0.315	538/76
BD+11 397	CHARA 201 Ba	HD 17585	02497+1209	ADS 2647	A 2419	HD 22511	03372+0121
1995.9155	170.4	0.227	538/76 c	1995.9183	97.4	0.783	538/76
BD+01 502	Vou 36	HD 17780	02513+0141	ADS 2710	A 1289	HD 23006	03440+5228
1995.7682	9.4	0.380	549/22	1995.9238	68.4	0.294	nofi+538
1995.9210	9.2:	0.383:	538/76	ADS 2745	A 1828	HD 23403	03450+0504
BD+47 717	Cou 2013	HD 17670	02520+4831	1995.9321	6.8	0.148	538/76
1995.7710	94.2	0.210	549/22	Pleiades H 216	Cou 560	HD 23387	03456+2420
ADS 2185	A 2906 AB	HD 17743	02529+5300	1995.7683	1.2	0.167	549/22
1995.7628	128.1	0.210	549/22	1995.9211	359.1	0.168	538/76
ADS 2185	StF 314 AB,C	HD 17743	02529+5300	ADS 2755	Bu 536 AB	HD 23479	03463+2411
1995.7628	313.3	1.546	549/22	1995.9211	181.6	0.887	538/76
ADS 2200	Bu 524 AB	HD 17904	02537+3820	Pleiades H 681	Cou 80	HD 23713	03481+2409
1993.9253	228.0	0.136	549/22	1995.9320	94.4:	0.564:	538/76
1995.7628	197.0	0.080	549/22	ADS 2776	Bu 1184	HD 23743	03483+2223
1995.9210	188.9	0.066	549/22	1995.9320	270.0	0.481	538/76
BD−00 457	Rst 4753	HD 18286	02562+0031	ADS 2785	A 831	HD 23874	03489+1143
1995.9156	66.4	0.298	538/76	1995.9321	28.3	0.300	538/76
ADS 2236	A 2413	HD 18368	02572+0153	ADS 2811	A 1830	HD 24104	03513+2621
1995.7682	134.2	0.382	549/22	1995.9320	194.2	0.267	538/76
1995.9210	133.3	0.381	549/22	HR 1199	Kui 15	HD 24263	03519+0633
ADS 2246	Bu 1173 AB	HD 18442	02586+2408	1995.7684	207.3	0.721	549/22
1995.7628	93.3	0.229	549/22	1995.9211	206.4	0.723	549/22
ADS 2253	Bu 525	HD 18484	02589+2137	1995.9321	206.7	0.722	549/22
1995.7628	265.1	0.524	549/22	BD+27 582	Cou 696	HD 282993	03520+2801
ADS 2257	StF 333 AB	HD 18519-0	02592+2120	1995.9320	41.0	0.208	538/76
1995.7628	208.6	1.435	549/22	ADS 2815	Stt 66	HD 24117	03521+4048
1995.9291	208.3	1.440	538/76	1995.9210	143.9	0.982	538/76

TABLE 2. (continued)

Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter	Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter
ADS 2911	Hu 27	HD 25034	03591+0948	1995.7684	202.0	0.779	549/22
1995.7684	314.5	0.328	549/22	Hyades vB 185	CHARA 154	HD 29608	04404+1631
1995.9211	315.8	0.339	538/76	1995.7684	30.0	0.625	549/22
ADS 2928	A 1937	HD 25248	04008+0505	HR 1497	McA 16	HD 29763	04422+2257
1995.9321	220.0	0.148	538/76	1995.7684	84.6	0.217	549/22
BD+15 571	Hei 34	HD 285332	04022+1532	1995.9240	85.2	0.215	549/22
1995.9320	23.1:	0.384:	538/76	ADS 3390	StF 577	HD 29695	04422+3731
BD+33 795	Cou 1082	HD 25976	04081+3407	1995.9240	3.6	0.878	549/22
1995.7631	57.8	0.293	549/22	ADS 3389	A 1014	HD 29599	04430+5712
ADS 3032	A 469	HD 26294	04094−0756	1995.9238	347.1	0.328	549/22
1995.7684	128.8	0.198	549/22	BD+39 1054	Cou 1524	HD 29911	04445+3953
1995.9211	123.5	0.186	549/22	1995.9240	204.3	0.198	538/76
ADS 3064	A 1938	HD 26690	04136+0743 a	ADS 3475	Bu 883 AB	HD 30810	04512+1104
1993.9198	288.4	0.097	549/22 b	1995.7710	37.0	0.260	549/22
1995.7629	320.3	0.154	549/22	ADS 3497	Bu 316	HD 31088	04528−0517
1995.9211	321.8	0.151	549/22	1995.9213	182.5:	0.876:	538/76
ADS 3060	Hu 212 AB	HD 26513	04142+5150	ADS 3501	CHARA 127 Aa	HD 31033	04536+2522
1995.7710	26.6	0.481	549/22	1995.7711	147.2	0.196	549/22
HR 1331	McA 14 Aa	HD 27176	04185+2135	BD−03 928	Rst 5501	HD 31297	04545−0313
1993.9170	198.6:	0.124:	549/22	1995.9213	18.5	0.155	549/22
1993.9198	197.1	0.126	549/22	ADS 3588	Bu 314 AB	HD 31925	04592−1622
1995.1487	179.2	0.151	549/22	1995.9213	325.0:	0.710:	549/22
1995.7631	171.1	0.155	549/22	ADS 3610	A 2629	HD 32222	05010−1112
1995.9268	167.2	0.150	549/22	1995.9213	23.0	0.111	549/22
ADS 3135	Stt 79	HD 27383	04187+1632 e,*	ADS 3608	A 1844	HD 32092	05017+2640
1993.9198	273.1	0.314	549/22 c	1995.7711	105.5	0.241	549/22 c
BD−01 619	Rst 4769	HD 27516	04205−0119	ADS 3662	A 481	HD 32622	05043−0602
1995.7684	196.2	0.190	549/22	1995.9213	295.4	0.454	549/22
1995.9211	194.9	0.197	549/22	ADS 3659	A 1023	HD 32416	05054+4655
ADS 3169	Stt 82 AB	HD 27691	04228+1504	1995.9185	59.5	0.299	549/22
1995.9266	346.2	1.329	549/22	1995.9321	58.9	0.299	549/22
ADS 3172	Stt 80	HD 27650	04236+4226	ADS 3768	A 1554	HD 33543	05129+4136
1995.7631	153.1	0.330	549/22	1995.9321	353.4	0.191	538/76
ADS 3182	Hu 304	HD 27820	04239+0928	BD+39 1272	Cou 2037	HD 34807	05219+3934
1993.9199	285.6	0.070	549/22	1995.9324	142.4	0.366	538/76
1995.7629	324.0	0.096	549/22	ADS 4002	McA 18 Aab,c	HD 35411	05244−0224
1995.9211	324.5	0.100	549/22	1995.9323	128.4	0.067	549/22
ADS 3191	Bu 1235	HD 27832	04245+2245	ADS 4038	McA 19 Aa	HD 35671	05271+1758 *
1995.9268	61.3	0.246	538/76	1995.7686	74.1	0.085	549/22 c
ADS 3210	Bu 1185	HD 27989	04256+1852	1995.9214	75.4	0.092	549/22 c
1995.7629	194.5	0.151	549/22	ADS 4103	A 1721	HD 36053	05311+4255
1995.9268	192.6	0.145	549/22	1995.9324	111.8:	0.209:	538/76
HR 1391	Fin 342 Aa	HD 27991	04256+1557	HR 1889	CHARA 203	HD 36994	05365+2556
1993.9199	68.2	0.089	549/22 c	1995.1488	107.0	0.082	549/22 c
1995.7629	184.6	0.078	549/22	1995.7686	101.6	0.108	549/22 c
1995.9213	179.2	0.083	549/22	BD+43 1315	CHARA 21	HD 36948	05373+4404
ADS 3228	Bu 1186	HD 28217	04275+1113	1995.7686	54.6	0.120	549/22
1993.9199	102.4	0.136	549/22	ADS 4229	Bu 1240 AB	HD 37269	05386+3030
1995.7629	92.6	0.122	549/22	1995.7686	353.8	0.166	549/22
1995.9213	81.9:	0.123:	549/22	1995.9296	353.6	0.171	549/22
HR 1411	McA 15	HD 28307	04286+1557	—	CHARA 213	BD+18 922	05428+1806
1993.9171	181.3:	0.081:	549/22	1995.1488	304.8	1.694	nofilter c
1993.9199	160.5:	0.091:	549/22 c	HR 2001	McA 22	HD 38735	05474−1032
1994.0865	177.9	0.086	549/22 c	1995.7686	298.5	0.156	549/22
ADS 3227	Bu 745	HD 28062	04287+5355	ADS 4390	StF 795	HD 38710	05480+0627
1995.9240	107.8	0.388	538/76	1995.9297	215.9	1.130	538/76
ADS 3248	Hu 1080	HD 28363	04290+1610	BD+22 1048	CHARA 205 Aa	HD 38833	05496+2244
1993.9199	256.5	0.307	549/22	1995.1488	135.1	0.080	538/76 c
1994.0865	261.1:	0.291:	549/22	BD+28 933	Cou 900	HD 39451	05539+2857
1995.9241	255.1	0.201	549/22	1995.9187	81.5:	0.187:	538/76
ADS 3246	A 1713	BD+43 981	04294+4407	ADS 4502	A 2658	HD 39772	05550+0613
1995.9240	202.4	0.430	538/76	1995.9160	72.6:	0.419	538/76
BD+17 735	Cou 567	HD 28436	04298+1741	ADS 4536	A 321	HD 40134	05568−0304
1995.7684	9.5	0.098	549/22	1995.9159	134.4	0.645	538/76
ADS 3283	A 1839	HD 28619	04324+3850	ADS 4532	Hu 1235	HD 39924	05573+3601
1995.9240	271.2	0.661	538/76	1995.9188	104.3	0.128	538/76
ADS 3300	A 1714	HD 28803	04344+4241	BD+23 1122	Cou 904	HD 249548	05575+2309
1995.9240	252.9	0.379	538/76	1995.1406	236.3:	0.240:	549/22
ADS 3310	A 1716	HD 276614	04353+4141	1995.9187	236.1:	0.233:	538/76
1995.9240	89.4	0.607	538/76	BD+24 1043	Cou 905	HD 40132	05580+2437
ADS 3317	CHARA 18 Aa	HD 29140	04357+1010	1995.1406	19.9	0.205	538/76
1995.7686	100.9	0.108	549/22	1995.9187	19.3	0.204	538/76
ADS 3329	Stt 86	HD 29193	04366+1945	ADS 4562	Stt 124	HD 40369	05589+1249
1995.7684	8.9	0.467	549/22	1995.1406	299.4	0.537	549/22
1995.9240	8.4	0.470	549/22	1995.9187	299.0	0.544	549/22
BD+30 697	Cou 883	HD 282310	04378+3116	ADS 4575	A 2441	HD 40427	05594+1344
1995.9240	53.9	0.260	538/76	1995.9187	272.3	0.274	538/76
ADS 3332	A 1010	HD 29180	04378+4442	ADS 4593	A 119	HD 40628	06013+2927
1995.9240	342.4	0.504	538/76	1995.9188	201.4	0.568	538/76
ADS 3358	Bu 1295 AB	HD 29316	04399+5329 a	HR 2127	CHARA 162	HD 40964	06023+0142
1995.7684	171.8	0.251	549/22	1995.9160	177.4	0.138	549/22
1995.9240	170.9	0.253	549/22	1995.9160	175.6	0.135	467/16
ADS 3358	StF 566 AC	HD 29316	04399+5329	ADS 4617	A 2715 AB	HD 40932	06024+0939 e,*

TABLE 2. (continued)

Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter	Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter
1995.1405	200.2	0.363	549/22	BD+02 1483	CHARA 25	HD 51566	06580+0218
1995.9186	198.3	0.336	549/22	1995.1464	37.0:	0.901:	549/22
ADS 4623	J 50	HD 40982	06027+0801	HR 2605	McA 28	HD 51688	06595+2555
1995.9186	234.0:	0.528:	538/76	1995.3185	68.6:	0.100:	538/76
ADS 4634	A 2807	HD 41057	06033+1108	ADS 5689	Stt 163 AB	HD 52309	07011+1146
1995.9187	106.3	0.623	538/76	1995.1464	98.5	0.143	549/22
HR 2134	Kui 23 AB	HD 41116	06041+2316	1995.9243	96.2	0.157	549/22
1995.1406	346.1	0.129	549/22	ADS 5726	A 1959	BD+39 1828	07036+3941
ADS 4681	A 2444	HD 41527	06065+1832	1995.1462	16.7	0.199	549/22
1995.9187	179.2:	0.239:	538/76	BD+37 1645	McA 29	HD 52823	07043+3734
BD+26 1082	McA 25	HD 41600	06074+2640	1995.1462	183.2	0.198	549/22
1995.9187	342.7	0.111	538/76	1995.9242	181.8	0.212	549/22
ADS 4712	A 1953	HD 41792	06075+0755	ADS 5795	Bu 328 AB	HD 53974	07067−1117
1995.9160	75.0	0.313	538/76	1995.1489	116.4	0.566	549/22
ADS 4696	Stt 130	HD 41541	06078+4240	1995.9243	116.0	0.567	549/22
1995.9188	200.7	0.414	538/76	BD+16 1395	Hei 125	HD 54128	07083+1638
ADS 4731	A 2664	HD 42000	06084+0135	1995.9215	215.7	0.253	538/76
1995.9160	253.0	0.780	538/76	BD+19 1624	CHARA 216	HD 54322	07092+1903
ADS 4759	Bu 1242 AB	HD 42261	06095−0620	1995.1490	333.5	0.177	538/76 c
1995.9159	136.4:	0.514:	nofi+538	ADS 5857	A 2122	HD 55118	07113−1033
ADS 4752	A 2514	HD 252561	06097+1630	1995.9160	59.7	0.108	538/76
1995.9187	97.1:	0.299:	538/76	ADS 5855	A 1961	HD 55058	07114−0025
ADS 4750	A 54 AB	HD 42033	06098+2914	1995.9161	97.8	0.209	538/76
1995.9188	335.4	0.556	538/76	ADS 5867	A 2847	HD 55163	07121+0622
ADS 4768	Bu 1058	HD 42216	06105+2300	1995.9161	130.8	0.431	538/76
1995.9187	228.6	0.199	549/22	ADS 5871	StF 1037 AB	HD 55130	07128+2714
HR 2193	CHARA 163 Aa	HD 42509	06120+1947	1995.9215	315.3	1.188	549/22
1995.1406	283.4	0.059	549/22 *	ADS 5905	A 1962	HD 55682	07139−0112
ADS 4788	Hu 701	HD 42366	06120+3531	1995.9161	102.4	0.407	538/76
1995.9188	230.8:	0.182:	538/76	BD−01 1612	Rst 4843	HD 55899	07148−0123
ADS 4738	Bu 1017	HD 42774	06125−0257	1995.9161	136.9	0.385	538/76
1995.9160	187.9	0.468	538/76	ADS 5918	Bu 1023	HD 55726	07151+2553
BD−02 1513	Rst 4295	HD 42878	06130−0238	1995.9215	303.9	0.448	538/76
1995.9160	287.9	0.309	538/76	BD+19 1661	CHARA 217	HD 55823	07153+1849
ADS 4827	A 666 AB	HD 42924	06133−0624	1995.1490	350.7	0.141	549/22 c
1995.9159	36.8	0.477	538/76	ADS 5949	A 2855	HD 56361	07168+0059
ADS 4843	A 2044 AB	HD 253926	06150+1649	1995.9161	243.6	0.404	538/76
1995.9187	33.7:	0.388:	538/76	ADS 5956	A 2123 AB	HD 56593	07171−1201
BD+22 1250	Cou 274	HD 43207	06160+2210	1995.1489	161.7	0.394	549/22
1995.9270	38.1	0.306	538/76	1995.9160	161.2	0.388	538/76
BD+23 1270	Cou 578	HD 43206	06160+2347	BD+26 1508	CHARA 218	HD 56176	07171+2641
1995.9270	35.7:	0.347:	538/76	1995.1490	240.0	0.168	549/22 c
AG+38 682	Cou 1873	BD+38 1440	06178+3811	1995.3158	239.4	0.163	549/22 c
1995.9268	42.8	0.205	549/22	1995.9215	240.2	0.160	549/22 c
ADS 4929	Bu 895 AB	HD 43885	06200+2826	AG+37 830	Cou 1883	BD+37 1696	07173+3744
1995.9269	142.0	0.267	538/76	1995.9215	59.5	0.662	538/76
HR 2272	CHARA 165	HD 44092	06212+2932	ADS 5958	Stt 170	HD 56515	07176+0918
1995.9268	207.4	0.212	549/22	1995.1489	72.1	0.611	549/22
BD+25 1232	Cou 718	HD 44211	06216+2500	BD+24 1600	Cou 585	HD 56462	07181+2405
1995.9269	139.1	0.187	538/76	1995.9215	157.9	0.392	538/76
BD+23 1346	CHARA 23	HD 44926	06255+2327	ADS 5970	A 526	HD 56765	07184−0337
1993.9257	158.2	0.126	549/22 c	1995.9161	172.8	0.347	538/76
HR 2304	McA 26	HD 44927	06256+2320	AG+38 809	Cou 2069	BD+38 1732	07190+3804
1993.9257	153.2	0.078	549/22 c	1995.9215	117.5:	0.386:	538/76
1995.9270	154.9	0.072	549/22	ADS 5990	A 2862	HD 57132	07200+0347
BD+24 1276	Cou 914	HD 45428	06283+2441	1995.9161	64.1	0.729	538/76
1995.9269	123.0	0.218	538/76	ADS 5996	StF 1074 AB	HD 57275	07205+0024
ADS 5218	A 506	HD 46610	06357+2816	1995.9161	170.9	0.671	549/22
1993.9258	35.3	0.240	549/22	ADS 6001	A 1963	HD 57293	07206−0136
HR 2425	McA 27	HD 47152	06383+2859	1995.9161	86.2	0.289	538/76
1993.9258	126.3	0.227	549/22	HR 2837	CHARA 26	HD 58579	07269+2015
1995.1489	124.3	0.234	549/22	1994.0927	358.6	0.069	549/22
1995.9242	122.5	0.238	549/22	1995.1490	15.4	0.060	549/22
ADS 5289	Stt 152	HD 47395	06395+2816	1995.9215	24.0	0.053	549/22
1995.9242	34.5	0.883	549/22	ADS 6090	A 2867	BD+07 1726	07274+0650
ADS 5296	StF 945	HD 47412	06404+4058	1995.9161	348.3	0.535	538/76
1995.9326	319.3:	0.495:	538/76	ADS 6089	McA 30 Aa	HD 58728	07277+2127 *
ADS 5407	A 2825	HD 48688	06450+1045	1995.1490	347.0	0.094	549/22 c
1995.1489	0.1	0.223	538/76	1995.3158	342.2	0.093	549/22 c
ADS 5447	Stt 156	HD 49059	06474+1812	ADS 6137	A 673 AB	HD 59372	07309+3034
1995.9242	216.9	0.342	549/22	1995.9215	352.2	0.380	538/76
HR 2521	Fin 322	HD 49643	06492−0217	HR 2886	McA 32	HD 60107	07336+1550
1995.9241	28.7	0.124	549/22	1995.3157	158.2	0.091	549/22
ADS 5491	Ho 239 AB	HD 49638	06500+1442	BD+17 1615	Cou 474	HD 60473	07352+1721
1995.1489	145.6	0.545	538/76	1995.9270	210.6	0.464	538/76
BD+36 1511	Cou 1738	HD 49472	06502+3625	ADS 6185	Stt 175 AB	HD 60318	07352+3058
1995.1462	141.0	0.107	549/22	1994.0925	327.4	0.176	549/22
BD+24 1417	Cou 768	HD 49622	06503+2410	1995.1490	327.2	0.169	549/22
1995.1464	191.6	0.158	538/76	1995.3131	327.3	0.167	538/76
HR 2541	Cou 1877	HD 50037	06532+3827	1995.9216	326.5	0.162	549/22
1995.9242	173.7	0.376	549/22	ADS 6200	A 2874	HD 60634	07362+1815
HR 2565	CHARA 169	HD 50644	06533−1902	1995.9270	52.3	0.250	538/76
1995.1489	148.5	0.159	549/22	ADS 6235	A 2948	HD 61150	07382+0930

TABLE 2. (continued)

Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter	Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter
1995.9271	270.7	0.450	538/76	Praesepe KW 284	CHARA 130	HD 73712	08402+1921
ADS 6263	StF 1126 AB	HD 61563	07401+0515	1993.9258	164.4	0.076	549/22 c
1995.9271	168.7	0.913	549/22	1994.0927	159.9	0.083	549/22 c
ADS 6291	StF 1130	HD 61886	07417+0942	1995.1465	161.6	0.095	549/22
1995.9271	7.8	0.384	538/76	1995.3131	161.9	0.095	549/22
ADS 6276	Stt 177	HD 61600	07417+3726	ADS 6930	Bu 585	HD 73871	08412+2028
1995.9216	157.0	0.471	549/22	1993.9259	84.8	0.435	549/22
ADS 6313	A 2534 AB,C	HD 62264	07431+0012	1995.9188	81.7	0.426	549/22
1994.2206	232.5	0.823	549/22	ADS 6924	A 1749	BD+44 1776	08412+4352
1995.1492	232.4	0.836	549/22	1995.9189	106.9	0.600	nofilter
1995.9271	232.4:	0.832:	549/22	ADS 6950	A 1752	HD 74133	08439+4403
ADS 6347	Ho 247	HD 62720	07462+2108	1995.1437	250.6:	0.314:	538/76
1995.9216	242.8	0.428	549/22	1995.9191	251.9	0.313	538/76
BD+19 1832	Cou 772	HD 62947	07471+1847	ADS 6993	Sp 1 AB	HD 74874	08468+0625 a
1995.9270	72.7	0.264	538/76	1993.9258	140.5	0.237	549/22 b
ADS 6367	A 1330	HD 233452	07484+5310	1994.2208	143.9	0.243	549/22 b
1995.9216	116.8	0.484	538/76	1995.1492	154.9	0.260	549/22 b
ADS 6378	WRH 15 AB	HD 63208	07486+2309	1995.3131	156.1	0.261	549/22 b
1995.9216	41.4	0.278	549/22	1995.9163	162.4	0.269	549/22
AG+19 764	Cou 926	BD+20 1920	07506+1944	ADS 7012	A 2552	HD 75207	08486+0057
1995.9270	256.2:	0.269:	538/76	1994.2207	83.9	0.194	538/76
ADS 6405	A 2880	HD 63799	07508+0317	1995.1492	79.6	0.204	549/22
1994.2206	66.7	0.074	549/22	1995.9164	75.8:	0.206:	538/76
1995.9271	81.2	0.088	549/22	ADS 7039	A 2473	HD 75470	08507+1800
ADS 6420	Bu 101	HD 64096	07518−1352	1995.9163	60.2	0.291	549/22
1994.2207	299.9	0.495	549/22	BD+21 1926	Cou 588	HD 75557	08514+2105
1995.1492	302.3	0.460	549/22	1995.9163	334.9	0.416	538/76
1995.9325	306.4	0.430	549/22	ADS 7054	A 1584	HD 75553	08531+5458
AG+13 772	Hei 55	BD+14 1778	07540+1346	1993.9259	57.1	0.397	549/22
1995.9270	348.0	0.127	538/76	AG+29 1004	Cou 1251	BD+29 1838	08537+2909
ADS 6443	A 675	HD 64326	07546+3100	1995.1438	182.1	0.652	nofilter
1995.9216	172.6:	0.136:	538/76	1995.9191	180.1:	0.647:	538/76
BD+24 1805	Cou 929	HD 64704	07561+2342 *	BD+20 2232	Cou 773	HD 75974	08539+1958
1994.0925	184.4	0.182	549/22 c	1995.9163	47.5	0.202	549/22
1995.1490	189.4	0.161	549/22 c	ADS 7074	A 2554	HD 76050	08539+0149
1995.9216	193.5	0.140	549/22 c	1994.2207	327.6	0.288	549/22
ADS 6483	Stt 185	HD 65123	07573+0108	1995.1492	326.1	0.306	549/22
1994.2206	149.4	0.145	549/22	1995.9164	321.0:	0.302:	538/76
1995.1492	155.6	0.153	549/22	ADS 7071	StF 1291 AB	HD 75959	08542+3034
1995.9271	159.7	0.160	549/22	1993.9259	312.9	1.491	549/22
AG+27 830	Cou 1112	BD+27 1521	08001+2659	1995.1438	313.0	1.488	549/22
1995.9216	92.2:	0.286:	538/76	1995.9191	312.2	1.493	549/22
ADS 6511	A 2954 AB	HD 65738	08005+0955	ADS 7082	A 2131 AB	HD 76095	08549+2613
1995.9271	342.1	0.694	538/76	1993.9259	228.1	0.384	549/22
ADS 6526	A 1580	HD 66094	08017−0836	1994.0927	228.9:	0.393:	549/22
1994.2207	274.5	0.253	549/22	1995.1492	233.6	0.382	549/22
1995.1492	276.0	0.257	549/22	1995.9191	235.1	0.383	549/22
ADS 6538	Stt 186	HD 66176	08033+2616	ADS 7084	A 2132	HD 76117	08557+4141
1995.9216	73.6	0.968	538/76	1995.1437	209.2	0.199	538/76
ADS 6548	A 1073	HD 66045	08050+5825	1995.9191	210.1	0.191	549/22
1995.9191	152.3:	0.303:	538/76	BD+36 1889	Cou 1897	HD 76595	08585+3548
ADS 6578	A 1333	HD 66610	08070+5407	1995.1437	193.3	0.142	549/22
1995.9191	205.7	0.403	538/76	1995.9191	194.9	0.142	549/22
ADS 6623	CHARA 190 Aa	HD 67501	08095+3213	ADS 7113	A 1974	HD 76720	08587+2523
1995.3158	132.5	0.111	549/22	1995.9191	199.9	0.196	538/76
ADS 6650	StF 1196 AB	HD 68255-6	08122+1739	ADS 7117	Hu 861	HD 76793	08588+1414
1994.0927	129.8	0.651	549/22	1995.9163	25.3	0.247	549/22
1995.9298	113.7	0.701	549/22	HR 3579	Kui 37 AB	HD 76943	09008+4148 a
ADS 6733	A 2362	HD 69580	08193+4052	1993.9232	178.2	0.488	549/22 b
1995.9189	171.7	0.584	538/76	1994.0927	174.6	0.476	549/22 b
HR 3269	Fin 346	HD 70013	08199+0357	1995.1437	151.4	0.411	549/22 b
1993.9231	66.1:	0.255:	549/22	1995.3131	146.3	0.399	549/22 b
1994.2208	66.4	0.261	549/22	1995.9191	128.6	0.381	549/22
1995.9298	62.5	0.268	549+538	ADS 7158	A 1585	HD 77327	09036+4709
ADS 6762	StF 1216	HD 70340	08214−0136	1995.9298	119.7	0.070	549/22
1995.9297	289.2:	0.516:	538/76	ADS 7166	A 2971	BD+06 2095	09042+0547
1995.9326	292.8:	0.534:	538/76	1995.9164	334.7	0.308	538/76
ADS 6776	Ho 525 AB	HD 70492	08231+2001	HR 3650	Fin 347 Aa	HD 79096	09123+1459 *
1995.9188	148.6	0.327	538/76	1994.2209	172.5	0.101	549/22
AG+17 902	Cou 953	BD+18 1942	08264+1749	1995.1492	133.9	0.157	549/22
1995.1465	32.7	0.846	538/76 c	1995.3131	129.8	0.147	549/22
ADS 6811	A 1746 BC	HD 71153	08267+2433 a	ADS 7259	A 1979	HD 79531	09154+2346
1995.1465	139.4	0.142	538/76 b	1995.9163	188.8	0.204	538/76
1995.3158	149.8	0.142	538/76 b	ADS 7265	Cou 934 Aa	BD+25 2069	09159+2431
1995.9189	154.4	0.132	538/76	1995.9161	255.4	0.145	538/76
ADS 6825	A 550	HD 71499	08278−0425	ADS 7284	StF 3121	HD 79969	09180+2835
1994.2207	164.2	0.153	549/22	1994.2208	350.9	0.345	538/76
Praesepe KW 203	Cou 47	HD 73574	08397+2005	1995.1492	358.3	0.413	549/22
1995.9188	140.9:	0.538:	549/22	1995.9191	1.9	0.474	538/76
Praesepe KW 212	CHARA 156 Da	HD 73598	08398+1932	BD+19 2194	Cou 384	HD 80082	09183+1847
1993.9258	230.5	0.491	549/22	1995.9163	64.4	0.086	549/22
1995.1465	231.2	0.502	549/22	ADS 7286	StF 1333	HD 80024	09185+3522
1995.9188	230.4:	0.519:	549/22	1995.9244	48.7	1.892	549/22

TABLE 2. (continued)

Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter	Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter
ADS 7307	StF 1338 AB	HD 80441	09210+3812	1995.3132	192.4:	0.419:	538/76
1995.9244	279.6	1.022	549/22	ADS 8000	A 133	HD 95192	10594−0721
ADS 7382	A 1588 AB	HD 81728	09273−0913	1995.1494	43.9:	0.270:	538/76
1995.9218	194.1:	0.398:	549/22	BD+29 2110	Cou 960	HD 95342	11008+2913
HR 3750	B 2530	HD 81809	09278−0604	1995.3132	107.1	0.202	538/76
1995.9243	330.7	0.518	549/22	ADS 8047	Ho 378	HD 96016	11050+3825
ADS 7390	StF 1356	HD 81858	09285+0904	1995.3107	55.7	0.999	538/76
1993.9204	67.3	0.495	549/22	BD+15 2297	Hei 60	HD 96953	11100+1443
1995.9244	73.5	0.520	549/22	1995.3132	256.8	0.366	538/76
HR 3794	Fin 349	HD 82543	09326+0151	ADS 8092	A 1353	HD 97455	11136+5525
1995.9243	222.0	0.123	549/22	1995.3158	219.1	0.524	538/76
ADS 7438	Cou 2084 Aa	HD 82780	09354+3957	ADS 8094	StF 1517	HD 97561	11137+2008
1995.9326	93.4	0.343	538/76	1995.3132	322.4	0.532	538/76
BD+19 2232	Cou 386 AB	HD 83083	09364+1856	ADS 8096	Bu 916	HD 97635	11141−1526
1995.1493	235.1	0.842	538/76 *	1995.1494	146.8	0.257	549/22
BD+19 2232	CHARA 248 Aa	HD 83083	09364+1856	ADS 8102	Stt 232	HD 97731	11150+3735
1995.1493	240.6	0.080	538/76 *.	1995.3107	59.6:	0.581:	549/22
HR 3846	CHARA 175	HD 83650	09398−1034	ADS 8104	Hu 639	HD 97773	11154+4728
1995.9218	132.0:	0.354:	549/22	1995.3158	93.4	0.164	538/76
HR 3880	McA 34	HD 84722	09474+1134 *	BD+43 2096	Cou 1904	HD 97857	11158+4227
1994.2209	21.5	0.135	549/22	1995.3134	203.3	0.406	538/76
1995.3131	24.7	0.139	549/22 c	ADS 8114	A 5	HD 98079	11168−0509
HR 3889	Kui 44	HD 85040	09498+2111	1995.1494	303.2:	0.304:	538/76
1993.9259	205.3	0.129	549/22	ADS 8117	A 2158	HD 98087	11174+4146
1995.9244	202.5	0.097	549/22	1995.3134	0.6	0.433	538/76
ADS 7545	Stt 208	HD 85235	09521+5404	ADS 8119	StF 1523 AB	HD 98230-1	11182+3132 *
1993.9259	222.2	0.199	549/22	1993.9260	336.9	0.935	549/22
1994.2208	224.6	0.201	549/22	1994.0930	333.8	0.922	549/22
1995.9244	236.0	0.217	549/22	1995.1411	315.8	1.166	549/22
ADS 7555	AC 5 AB	HD 85558	09525−0806	1995.3134	312.8	1.204	549/22
1995.9218	65.3	0.576	549/22	1995.9164	304.8	1.248	549/22
AG+17 1078	CHARA 219	BD+17 2150	09535+1657	ADS 8128	StF 1527	HD 98354	11190+1416
1995.1492	217.3	0.200	538/76 c	1995.3132	54.7	0.707	549/22
1995.9272	211.5	0.200	538/76	1995.9164	55.8	0.681	549/22
BD+25 2191	CHARA 145	HD 86590	10000+2433	HR 4380	CHARA 133	HD 98353	11191+3811 *
1993.9259	28.0	0.281	549/22	1994.0930	301.6	0.098	549/22
1994.2209	30.5	0.273	538/76	1995.3107	344.8	0.071	549/22
ADS 7651	Kui 48 AB	HD 87822	10083+3137 a	ADS 8155	A 137	HD 99307	11255−0751
1993.9232	168.3:	0.146:	549/22 b	1995.1494	98.6	0.488	538/76
1994.2208	166.7	0.156	538/76 b	HR 4419	Rst 4944	HD 99651	11279−0142
1995.1411	168.1	0.184	549/22 b	1995.1494	277.0	0.204	549/22
1995.3104	167.9	0.192	549/22 b	ADS 8182	A 7	HD 99917	11297−0619
1995.9298	169.9	0.197	538/76	1995.1494	201.6:	0.172:	538/76
ADS 7662	A 2145	HD 88021-2	10093+2020	ADS 8189	Stt 234	HD 100018	11308+4117
1995.1438	290.6	0.071	549/22	1994.2239	151.3	0.467	538/76
ADS 7674	Hu 874	HD 88355	10117+1321 a	1995.3107	153.1	0.462	538/76
1993.9260	284.7	0.209	549/22 b	1995.3134	152.9	0.462	549/22
1994.2209	284.6	0.213	549/22 b	ADS 8198	Hu 1134	BD+01 2578	11322+0043
1995.3104	285.3	0.221	549/22	1995.3107	121.3	0.162	549/22
1995.9326	286.6:	0.225:	538/76	1995.9164	121.0	0.165	549/22
AG+22 1142	Cou 169	BD+23 2195	10140+2228	ADS 8197	Stt 235	HD 100203	11324+6105
1995.1438	356.3	0.532	nofilter	1994.2239	311.6	0.578	549/22
BD+20 2486	Cou 292	HD 90460	10269+1931	ADS 8210	Hu 727	HD 233841	11332+4928
1995.1438	210.2	0.210	538/76	1995.3158	22.9:	1.232:	538/76
ADS 7775	Stt 217	HD 90444	10270+1713	ADS 8223	A 2159	BD+34 2233	11350+3348
1995.1439	147.1	0.641	538/76	1995.1411	283.8	0.144	nofilter
ADS 7780	Hu 879	HD 90537	10279+3643	ADS 8231	StF 1555 AB	HD 100808	11363+2747
1995.9298	351.1	0.067	549/22	1995.3159	146.5	0.678	549/22
ADS 7785	A 1993	HD 90619	10287+4558	ADS 8244	Hu 728	HD 101024	11379+4949
1995.1410	153.3	0.306	nofi+538	1995.3159	116.7	0.361	538/76
ADS 7788	A 2152	HD 90698	10290+3452	ADS 8254	A 2577	HD 101279	11394+0856
1995.1411	47.5	0.407	538/76	1995.1440	65.2:	0.125:	nofilter
ADS 7844	A 2055 AB	HD 91751	10366+4430	BD+24 2384	Cou 390	HD 101728	11425+2354
1995.1411	168.7	0.326	538/76	1995.1440	197.4	0.512	nofilter
BD+35 2166	Cou 1417	HD 91949	10376+3446	AG+38 1152	Cou 1129	BD+38 2283	11499+3754
1995.1411	207.6	0.300	nofilter	1995.3159	139.6	0.560	nofilter
ADS 7896	A 2768	HD 92749	10427+0335	HR 4544	McA 36	HD 102928	11510−0520
1993.9260	279.1	0.404	549/22	1994.2211	252.0	0.089	549/22
1995.3105	272.4	0.441	549/22	ADS 8325	Hu 731	BD+48 1978	11520+4806
ADS 7915	Ho 532 AB	BD+39 2376	10453+3831	1995.3159	311.5	0.941	538/76
1995.1411	258.9:	0.665:	nofilter	ADS 8347	A 1777 AB	HD 103483	11551+4629
AG+26 1133	Cou 591	BD+26 2131	10472+2605	1995.3159	349.9	0.082	538/76
1995.1438	6.2	0.423	nofilter	ADS 8446	StF 1606	HD 105824	12108+3954
ADS 7926	Stt 228	HD 93392	10473+2235	1995.3159	200.6	0.295	538/76
1995.1438	172.8	0.647	538/76	ADS 8485	Hu 736	HD 106689	12160+4807
ADS 7929	Stt 229	HD 93457	10481+4107	1995.3159	206.7	0.272	538/76
1995.1411	273.2	0.734	549/22	HR 4689	McA 37	HD 107259	12199−0040
1995.9244	271.0	0.729	549/22	1994.2240	313.6	0.099	549/22
ADS 7952	A 2373	HD 94120	10520+1606	1995.1442	331.7	0.117	549/22
1993.9260	70.4	0.139	549/22	ADS 8535	Stt 249 AB	HD 107922	12238+5410
ADS 7986	A 68	HD 94836	10569−0256	1995.3159	262.6:	0.380:	538/76
1995.1494	112.7	0.344	538/76	ADS 8540	Stt 250	HD 108005	12244+4306
ADS 7997	A 2375	HD 95037	10585+1711	1995.3159	346.5	0.361	538/76

TABLE 2. (continued)

Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter	Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter
ADS 8539	StF 1639 AB	HD 108007	12244+2535	ADS 9121	Stt 276 AB	HD 123670	14082+3645
1995.3134	325.1	1.665	538/76	1995.3136	205.0	0.483	538/76
HR 4789	WRH 12	HD 109485	12348+2238	AG+30 1329	Cou 605	BD+30 2488	14113+3013
1994.0930	352.9	0.116	549/22	1995.3137	167.5:	0.304:	538/76
1995.1495	345.3	0.075	549/22	ADS 9159	Stt 278	HD 124399	14120+4411
BD−04 3307	Rst 4502	HD 109452	12349−0509	1995.3136	298.3	0.332	538/76
1995.1494	212.1	0.128	549/22	ADS 9158	Stt 277 AB	HD 124346	14124+2843
BD+27 2158	Cou 596	HD 110297	12409+2708	1995.1471	50.3	0.256	538/76
1995.1497	214.0	0.138	549/22	ADS 9169	A 1100	HD 124492	14138+0859
1995.3109	213.4	0.139	549/22	1995.4365	172.0	0.280	549/22
ADS 8630	StF 1670 AB	HD 110379-0	12417−0127	ADS 9174	StF 1816	HD 124587	14139+2906
1995.1495	277.2	2.198	549/22	1995.1471	91.3	0.624	549/22
1995.3160	276.6	2.198	549/22	ADS 9182	StF 1819	HD 124757	14153+0308
ADS 8635	A 1851	HD 110465	12422+2622	1995.1443	209.5	0.890	538/76
1995.1495	290.9	0.513	538/76	ADS 9195	Hu 1266	BD+34 2510	14165+3332
GD 319	PG 1247+554	—	12501+5506 *	1995.3163	98.3:	0.198:	538/76
1995.4364	126.9	2.702	nofilter	ADS 9215	StF 1832 AB	HD 125377	14189+0354
BD+51 1792	Cou 2188	HD 111957	12517+5021	1995.1443	153.2	0.405	nofilter
1995.1497	31.9	0.256	538/76	HR 5372	CHARA 137	HD 125632	14189+5452
HR 4891	CHARA 38	HD 111998	12532−0333	1994.2214	36.8	0.087	549/22
1994.2240	154.5	0.455	549/22 *	1995.1472	31.2	0.096	549/22
AG+43 1122	Cou 1579	BD+43 2270	12533+4246	1995.3164	28.6	0.117	549/22
1995.1497	59.5	0.181	538/76	AG+31 1267	Cou 482	BD+31 2612	14213+3050
ADS 8708	Stt 256	HD 112398	12564−0057	1995.1471	121.3	0.614	nofilter
1995.1495	97.6	0.999	549/22	ADS 9238	A 148	HD 126126	14220+5107
BD+09 2696	Fin 380	HD 112503	12572+0818	1995.3164	6.3	0.600	538/76
1995.1495	159.3	0.222	549/22	ADS 9247	Bu 1111 BC	HD 126128	14234+0827
BD+25 2578	Cou 397	HD 112572	12575+2457	1995.4365	147.0	0.143	549/22
1995.1495	63.5	0.637	538/76	ADS 9264	A 2069	HD 126695	14268+1625
ADS 8751	StF 1711	HD 113322	13029+1328	1995.1471	227.8	0.267	538/76
1995.1495	339.2	0.470	538/76	AG+47 1064	Cou 1917	BD+47 2153	14303+4709
ADS 8759	Bu 929	HD 113459	13039−0340	1995.3163	28.4	0.376	538/76
1995.1494	199.2	0.650	549/22	AG+21 1444	Cou 97	BD+21 2659	14304+2255
ADS 8785	A 1605	HD 234012	13069+5200	1995.1471	245.7	0.325	nofilter
1995.1497	168.2	1.020	nofilter	HR 5435	γ Boo	HD 127762	14321+3819
1995.4364	167.9	1.017	538/76	1994.2214	173.5	0.085	549/22
ADS 8801	McA 38 Aa	HD 114330	13100−0532	1995.4392	175.7	0.081	549/22
1995.1494	336.5	0.444	549/22	ADS 9301	A 570	HD 127726	14323+2641
1995.3108	336.7	0.459	549/22	1994.2242	188.1	0.226	549/22
1995.3160	336.3	0.454	549/22	1995.1471	180.9	0.226	549/22
ADS 8804	StF 1728 AB	HD 114378-9	13100+1731	ADS 9313	AGC 6	HD 128042	14339+2949
1995.1495	12.7	0.428	549/22	1995.1471	135.0	0.770	538/76
1995.3109	12.1	0.417	549/22	AG+41 1259	Cou 1437	BD+41 2512	14340+4113
1995.4308	11.9	0.412	549/22	1995.3163	25.1	0.148	538/76
ADS 8814	Stt 261	HD 114723	13120+3205	AG+20 1515	Cou 98	BD+20 2993	14367+2014
1995.1497	340.2	2.454	549/22	1995.1471	195.5	0.294	nofilter
ADS 8825	A 1607	HD 115002	13134+5252	ADS 9324	A 347	HD 128718	14369+4813
1995.1497	17.8	0.475	nofilter	1995.3163	258.9	0.571	538/76
HR 5004	CHARA 180	HD 115271	13155+4051	ADS 9329	StF 1863	HD 128941	14381+5135
1995.1497	29.1	0.417	549/22 *	1995.3163	64.6	0.655	538/76
HZ 43	PG 1314+294	—	13164+2906 *	ADS 9334	A 1107	HD 129006	14401+0504
1995.4364	256.9	2.389	nofilter	1995.4365	85.8:	0.426:	549/22
ADS 8843	Stt 263	HD 115477	13167+5034	ADS 9343	StF 1865 AB	HD 129246-7	14411+1344
1995.1497	136.8	1.811	538/76	1994.0931	301.8	0.854	549/22
1995.1497	136.7	1.806	538/76	1995.1471	302.1	0.842	549/22
HR 5014	Fin 350	HD 115488	13175−0041 a	1995.4309	301.8	0.849	549/22
1995.1495	17.8	0.120	549/22 b	BD+28 2360	Cou 407	HD 129411	14416+2747
1995.3109	17.2	0.121	549/22 b	1995.1471	119.3	0.388	538/76
ADS 8862	Hu 644	HD 115953	13197+4747	ADS 9352	Hu 575 AB	BD+20 3010	14426+1930
1995.1497	239.1	0.256	538/76	1995.1471	212.6	0.471	nofilter
1995.4364	234.0	0.212	549/22	ADS 9378	Stt 285	HD 130188	14455+4222
BD+43 2324	Cou 1581	HD 116377	13225+4242	1994.2214	297.6	0.403	549/22
1995.3136	160.0	0.285	538/76	1995.1498	295.8	0.411	549/22
ADS 8887	Ho 260 AB	HD 116495	13236+2914	ADS 9389	StF 1884	HD 130603	14485+2422
1995.3137	80.6:	1.312:	538/76	1995.1499	55.5	2.104	549/22
ADS 8901	A 1609 AB	HD 116878	13258+4430	ADS 9392	StF 1883	HD 130604	14489+0557
1995.3136	350.7	0.403	538/76	1994.2240	282.3	0.678	538/76
ADS 8939	Stt 269 AB	HD 117902	13328+3454	1995.4365	284.4	0.729	549/22
1995.3136	30.5	0.166	538/76	ADS 9397	A 2983	HD 130669	14493+1014
ADS 8950	Bu 114	HD 118024	13343−0837	1995.4365	332.1:	0.151:	538/76
1995.4419	166.2	1.345	549/22 c	ADS 9400	A 1110 AB	HD 130726	14497+0800
ADS 8987	Bu 612 AB	HD 118889	13396+1044	1995.4365	246.1	0.652	549/22
1994.2241	278.1	0.138	549/22	ADS 9425	Stt 288	HD 131473	14534+1543
ADS 9019	StF 1781	HD 119931	13461+0507	1995.3164	167.6	1.256	549/22
1994.2241	168.8	0.636	538/76	AG+24 1513	Cou 409 Aa	BD+24 2795	14548+2411
ADS 9053	StF 1788 AB	HD 121325	13550−0803	1995.1499	215.3:	0.498:	nofilter
1995.3192	98.3:	3.099:	538/76 c	ADS 9443	A 2172	HD 131954	14565+0255
ADS 9071	A 1614	HD 121995	13576+5200	1995.4365	153.7	0.115	538/76
1995.3160	127.7	1.353	538/76	BD+36 2560	Cou 1136	HD 132583	14588+3551
ADS 9089	A 1097 AB	HD 122740	14020+5713	1995.1499	113.3	0.144	538/76
1995.3136	236.0	0.428	538/76	AG+47 1085	Cou 1760	BD+47 2190	14593+4649
ADS 9094	Bu 1270	HD 122769	14037+0829	1995.1498	222.4	0.217	538/76
1994.2241	246.2	0.136	549/22	AG+18 1368	Cou 188	BD+18 2966	14595+1753

TABLE 2. (continued)

Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter	Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter
1995.4365	224.7:	0.291:	538/76	1995.3167	177.3	0.115	549/22
ADS 9480	Bu 348 AB	HD 132933	15018+0008	ADS 9918	Fin 384 Aa	HD 144362	16057−0617
1995.3112	109.3	0.493	549/22	1995.4393	299.0	0.066	549/22
HR 5612	CHARA 43	HD 133484	15031+4439	ADS 9931	A 1798	HD 144935	16079+1425
1995.1498	200.1	0.191	549/22	1995.4393	9.4	0.171	549/22
1995.3109	203.6	0.180	549/22	ADS 9935	Bu 355 AB	HD 145246	16081+4524
ADS 9494	StF 1909	HD 133640	15039+4739	1995.3192	285.2	0.223	538/76
1995.1498	51.6	1.885	549/22	ADS 9932	Bu 949	HD 144892	16085−1006
BD+40 2856	Cou 1271	HD 134303	15078+3956	1994.2245	195.4	0.490	549/22
1995.1498	173.8	0.372	538/76	1995.4393	195.5	0.487	549/22
AG+40 1440	Cou 1272	BD+40 2859	15088+4013	ADS 9952	A 1799	HD 145648	16115+1507
1995.1498	51.3	0.263	nofilter	1995.4393	120.1	0.703	538/76
AG+28 1471	Cou 410	BD+28 2407	15100+2751	ADS 9951	Bu 120 AB	HD 145502	16120−1928
1995.1499	151.7	0.326	538/76	1995.4395	2.0	1.296	549/22
HR 5654	Cou 189	HD 134943	15121+1858	ADS 9975	A 1642	HD 146327	16137+4638
1994.2244	143.7	0.468	549/22	1995.4392	186.8	0.600	nofilter
1995.3164	143.3	0.465	549/22	BD+50 2268	Cou 2111	HD 234295	16173+5001
ADS 9547	Ho 60	HD 135365	15136+3453	1995.4392	33.3	0.275	538/76
1995.1499	119.0	0.078	538/76	ADS 10006	Stt 309	HD 147275-6	16192+4140
ADS 9578	StF 1932 AB	HD 136176	15183+2649	1995.4392	294.6	0.296	549/22
1994.2242	256.9	1.544	549/22	ADS 10017	Hu 481	HD 147442	16212+2259
1995.1499	257.8	1.549	549/22	1995.4393	39.7	0.207	549/22
1995.3109	257.5	1.550	549/22	BD−16 4280	CHARA 54	HD 147473	16229−1701
ADS 9589	A 1630	BD+44 2449	15192+4329	1995.4395	68.3	0.214	549/22
1995.1498	247.6	0.779	538/76	ADS 10036	Bu 951 AB,C	BD+33 2722	16235+3321
AG+23 1451	Cou 103	BD+24 2847	15200+2338	1995.4392	32.0	0.950	538/76
1995.3164	283.7:	0.536:	nofilter	ADS 10036	Vbs 26 AB	BD+33 2722	16235+3321
ADS 9600	Hu 146	HD 136596	15210+2104	1995.4392	47.4	0.175	538/76
1995.4365	127.4	0.656	538/76	HR 6123	CHARA 55	HD 148283	16254+3724 *
ADS 9617	StF 1937 AB	HD 137107-8	15232+3018	1995.3138	171.6	0.178	549/22
1995.1499	42.6	0.962	549/22	ADS 10068	Bu 814	HD 148552	16272+3952
AG+40 1451	Cou 1441	BD+40 2878	15233+4022	1995.4392	357.4	0.310	538/76
1995.1498	20.8	0.250	538/76	ADS 10075	StF 2052 AB	HD 148653	16289+1825
ADS 9626	CHARA 181 Aa	HD 137391	15245+3723	1995.4393	126.3	1.880	549/22
1995.1498	279.1	0.054	549/22	ADS 10085	Hu 1173	HD 148909	16300+3354
ADS 9628	Hu 149	HD 137588	15246+5413	1995.4421	51.2	0.214	538/76
1995.1498	272.9	0.623	538/76	ADS 10087	StF 2055 AB	HD 148857	16309+0159
BD+29 2667	Cou 484	HD 137739	15268+2840	1995.3167	25.0	1.369	549/22
1995.4366	74.6	0.292	538/76	1995.6089	26.1	1.373	549/22
ADS 9642	A 2073	HD 137740	15272+1804	ADS 10095	A 693	HD 148943	16317−0215
1995.4366	117.1	0.262	538/76	1995.6088	216.0:	0.132:	549/22
BD+42 2601	Cou 1443	HD 137896	15272+4133	ADS 10092	StF 3105	HD 148931	16318−0702
1995.4368	176.0	0.512	549/22	1995.6088	192.6	0.429	549/22
ADS 9645	A 2074	BD+18 3024	15273+1738	HR 6168	σ Her	HD 149630	16341+4227
1995.4365	247.9	0.202	538/76	1995.4421	2.9	0.074	549/22
HR 5747	β CrB	HD 137909	15278+2906	AG+35 1428	Cou 985	BD+35 2844	16384+3514
1994.0933	159.8	0.242	549/22	1995.4421	189.9	0.116	nofilter
1995.3165	152.8	0.297	549/22	ADS 10169	StF 2091	HD 150903	16422+4112
ADS 9654	A 2175	HD 137844	15282+0251	1995.4421	319.5	0.522	538/76
1995.1444	199.5:	0.270:	538/76	ADS 10189	Hu 664	HD 151267	16437+5132
ADS 9682	Hu 1163	HD 138439	15307+3810	1995.4421	302.8	0.481	549/22
1995.4366	117.4	0.128	549+538	ADS 10184	StF 2094 AB	HD 151070	16442+2331
HR 5778	Cou 610	HD 138749	15329+3121	1995.4420	73.5	1.198	549/22
1994.0933	200.0	0.758	549/22	BD+29 2876	Cou 490	HD 151236	16450+2928
1995.3165	200.6	0.770	549/22	1995.4420	354.7	0.193	538/76
ADS 9694	StF 1956	HD 138884	15333+4149	AG+38 1518	Cou 1284	BD+38 2830	16450+3842
1995.4368	29.7	0.189	549/22	1995.4421	196.1	0.188	538/76
ADS 9716	Stt 298 AB	HD 139341	15361+3948	ADS 10229	StF 2106	HD 152113	16511+0925
1994.2242	194.8	0.282	549/22	1995.4420	177.1	0.658	549/22
1995.4368	223.9	0.209	549/22	ADS 10230	Stt 315	HD 152127	16515+0113
BD+26 2712	Cou 612	HD 139749	15390+2545	1995.3167	324.1	0.439	549/22
1994.2244	40.6	0.237	538/76	1995.6089	324.1	0.446	549/22
1995.4366	36.1	0.240	538/76	AG+25 1707	Cou 492	BD+26 2915	16539+2547
ADS 9742	A 2076	HD 139939	15405+1841	1995.4420	92.4	0.542	538/76
1995.4365	182.3	0.696	549/22	ADS 10253	A 350	HD 152747	16540+2906
BD+31 2762	Cou 613	HD 140065	15406+3128	1995.4420	147.1	0.571	538/76
1995.4366	349.7	0.233	538/76	ADS 10276	A 1143 AB	HD 153495	16566+5711
ADS 9744	Hu 580 AB	HD 140159	15416+1941	1995.4421	250.1	0.419	538/76
1995.3164	261.7	0.090	549/22	BD+49 2571	Cou 1772	HD 153536	16576+4935
ADS 9757	StF 1967	HD 140436	15428+2618	1995.4421	257.3	0.278	538/76
1994.2242	117.0	0.653	549/22	AG+31 1467	Cou 989	BD+31 2937	16583+3107
1995.3137	116.4	0.668	549/22	1995.4420	181.9	0.297	538/76
ADS 9758	Bu 619	HD 140438	15431+1340	BD+39 3062	Cou 1289	HD 153527	16584+3943
1995.3164	3.3	0.656	549/22	1995.4421	248.0	0.119	549/22
BD+22 2878	Cou 106	HD 140629	15440+2220	ADS 10294	Stt 321	HD 153499	16594+1419
1995.4366	274.7	0.392	549/22	1995.4420	13.7	0.564	nofilter
BD+30 2703	Cou 614	HD 140889	15451+2936	ADS 10295	Bu 1298 AB	HD 153475	16595+0942
1995.4366	37.7	0.316	538/76	1995.4419	127.9	0.446	549/22
ADS 9783	A 2077	BD+19 3014	15469+1904	HR 6317	CHARA 59	HD 153653	17005+0635
1995.4366	230.2	0.536	538/76	1995.3138	252.0	0.186	549/22
BD+50 2219	Cou 1918	HD 234262	15486+4949	1995.6089	257.6	0.185	549/22
1995.4368	185.4	0.297	538/76	ADS 10312	StF 2114	HD 153914	17019+0827
ADS 9913	McA 42 CE	HD 144218	16054−1948	1995.4419	190.3	1.309	549/22

TABLE 2. (continued)

Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter	Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter
ADS 10346	A 228	HD 154760	17063+2631	1995.6116	173.1	0.455	538/76
1995.3140	186.2	0.254	538/76	BD+36 2956	Cou 1146	HD 162667	17505+3651
BD+38 2885	Cou 1291	HD 155039	17075+3810	1995.3221	153.3	0.235	538/76
1995.3140	279.2	0.166	538/76	ADS 10848	Hu 1183	BD+38 3012	17512+3821
ADS 10360	Hu 1176 AB	HD 155103	17081+3555	1995.6115	189.7	0.463	538/76
1995.3140	101.4	0.127	549/22	ADS 10846	A 1164	HD 162670	17519+0724
ADS 10355	A 1145	HD 154895	17082−0105	1995.6116	44.7	0.382	549/22
1995.4370	359.7	0.555	549/22	ADS 10850	Stt 338 AB	HD 162734	17520+1520
BD−19 4547	McA 46	HD 155095	17103−1926	1995.3113	348.9	0.832	549/22
1995.4424	113.9	0.146	549/22	ADS 10865	A 699	BD+40 3230	17523+4057
GJ 661	Kui 79	HD 155876	17107+4545 a	1995.6115	25.8	0.116	538/76
1995.4368	254.8	1.053	538/76 b	AG+42 1531	Cou 1599	BD+42 2942	17530+4212
AG+40 1575	Cou 1293	BD+40 3112	17109+4044	1995.3113	128.9	0.591	538/76
1995.4369	4.6	0.226	538/76	HR 6676	Fin 381	HD 163151	17543+1108 a
AG+49 1310	Cou 1775	BD+49 2600	17115+4914	1995.3113	254.8:	0.102:	549/22 b
1995.4368	75.9	0.307	538/76	ADS 10901	Cou 1601 Aa	BD+41 2928	17556+4108
ADS 10391	Hu 1178 AB	HD 155727	17116+3916	1995.6115	64.9	0.538	538/76
1995.3138	191.1	0.402	538/76	ADS 10899	A 2189	HD 163471	17563+0259
ADS 10415	Hu 749	HD 155866	17151−2156	1995.6116	15.8	0.083	549/22
1995.6034	152.0	1.910	538/76 c	ADS 10912	StF 2244	HD 163624	17571+0004
ADS 10423	A 2592	HD 156034	17157−0949	1995.3168	95.6	0.486	549/22
1995.4423	201.3	0.317	549/22	1995.6116	96.7	0.487	549/22
AG+23 1615	Cou 315	BD+23 3071	17161+2316	ADS 10916	Bu 1299 AB	BD+10 3337	17575+1058
1995.4369	152.0:	0.154:	538/76	1995.6116	76.7	0.241	538/76
AG+40 1581	Cou 1295	BD+40 3126	17171+4034	BD+50 2501	Cou 2390	HD 234530	17598+5039
1995.4369	60.6	0.270	538/76	1995.6115	101.3	0.136	538/76
ADS 10464	Hu 669	HD 234420	17182+4952	BD+17 3404	Cou 810	HD 347847	18007+1736
1995.4368	81.9	0.851	538/76	1995.3113	113.3	0.150	538/76
ADS 10469	Swi	HD 157103	17183+5338	ADS 10990	Bu 1125	HD 164577	18018+0118
1995.4368	169.5	0.505	538/76	1995.3168	113.4	0.556	549/22
ADS 10459	Bu 628	BD+32 2888	17184+3239	1995.6116	115.0:	0.557:	549/22
1995.3140	275.4	0.491	538/76	ADS 11023	StF 2275	BD+39 3308	18033+3921
ADS 10494	A 2088	BD+47 2462	17205+4739	1995.6115	280.5	0.138	538/76
1995.4368	11.7	0.333	538/76	BD+40 3270	Cou 1785	HD 165311	18035+4032
ADS 10495	A 232	HD 157256	17212+2542	1995.6115	225.4	0.069	538/76
1995.3140	118.9:	0.439:	538/76	BD+42 2995	Cou 1786	HD 165503	18043+4205
HR 6466	Kui 80 AB	HD 157358	17215+2845	1995.3112	238.9	0.105	538/76
1995.3140	166.7:	0.688:	549/22	ADS 11033	A 2257	HD 165110	18044+0337
HR 6469	McA 47	HD 157482	17217+3958	1995.6116	13.6:	0.104:	549/22
1995.3138	357.9	0.086	549/22 *	ADS 11071	Hu 1186	BD+38 3077	18063+3824
BD+23 3092	Cou 415	HD 157392	17221+2310	1995.6115	107.7	0.376	538/76
1995.4369	309.5	0.209	538/76	ADS 11111	StF 2281 AB	HD 166233	18095+0401
ADS 10504	Ho 414 AB	HD 157429	17222+2605	1995.3168	304.2	0.465	549/22
1995.3140	102.1	0.789	538/76	ADS 11344	Hu 66 AB	HD 170109	18253+4845
BD+21 3107	Cou 201 AB	HD 157430	17224+2056	1995.6006	241.9	0.276	549/22
1995.4369	255.7:	0.541:	538/76	ADS 11344	Stt 351 AC	HD 170109	18253+4845
ADS 10523	StF 2163	BD+42 2839	17233+4209	1995.6006	21.2	0.716	549/22
1995.4368	79.5	1.446	538/76	ADS 11339	Bu 1203	HD 169725	18261+0046
ADS 10521	Hu 671	HD 157683	17238+2155	1995.6090	150.4	0.441	549/22
1995.4369	263.7	0.814	538/76	ADS 11354	Bu 133	HD 169851	18277−2638
BD−09 4546	Rst 3972	HD 157498	17240−0921 a	1995.6033	244.4	0.948	538/76 c
1995.3140	242.0:	0.198:	538/76 b	HR 6928	CHARA 71	HD 170200	18280+0612 *
ADS 10531	Hu 1179	HD 157853	17241+3834	1995.6090	169.4	0.065	549/22
1995.3138	278.6	0.197	549/22	ADS 11387	A 581 AB	BD+04 3760	18291+0408
AG+26 1705	Cou 498	BD+26 3022	17276+2624	1995.6090	126.0:	0.364:	538/76
1995.4397	45.2:	0.435:	538/76	ADS 11399	CHARA 72 Aa	HD 170580	18301+0404
ADS 10598	StF 2173	HD 158614	17303−0103	1995.6090	15.1	0.138	549/22
1995.3167	328.0	0.949	549/22	ADS 11404	A 583	BD+04 3773	18305+0416
ADS 10603	A 2247	HD 158735	17308+0349	1995.6090	275.8:	0.222	538/76
1995.4396	357.9	0.296	549/22	ADS 11421	Cou 1150 Aa	BD+34 3222	18309+3417
ADS 10621	A 352	HD 159240	17323+2849	1995.6007	309.0	0.227	549/22
1995.4424	353.4	0.135	538/76	ADS 11458	Ho 86	BD+35 3288	18335+3510
HR 6560	Mlr 571	HD 159870	17335+5734	1995.6007	192.8	0.331	549/22
1995.4424	306.7	0.097	549/22	ADS 11454	StF 2339 AB,C	HD 171365	18338+1744
ADS 10659	A 1156	HD 159857	17366+0722	1995.6008	277.6	1.612	549/22
1995.4396	353.4	0.167	549/22	ADS 11454	Hu 322 AB	HD 171365	18338+1744
ADS 10669	Bu 1121	HD 160058	17374+1233	1995.6008	83.1	0.169	549/22
1995.4396	203.7	0.497	538/76	ADS 11468	A 1377 AB	HD 171779	18340+5221
HR 6571	CHARA 63	HD 160181	17375+2419 *	1995.6006	111.0	0.253	549/22
1995.3167	250.1	0.081	549/22	HR 6984	CHARA 75	HD 171780	18352+3427
ADS 10696	Bu 631	HD 160438	17399−0039	1995.6007	266.5:	0.212:	549/22
1995.4396	103.0	0.187	549/22	ADS 11479	Stt 359	HD 171745	18355+2336
ADS 10743	Hu 1285	HD 161258	17436+2237	1995.6007	8.2	0.698	549/22
1995.4396	218.6	0.559	538/76	ADS 11483	Stt 358 AB	HD 171746	18359+1659
ADS 10796	Hu 1288	HD 161819	17472+1502	1995.6008	157.8	1.706	549/22
1995.4396	155.9	0.433	549/22	ADS 11502	Hu 247	HD 171929	18370+1016
ADS 10795	StF 2215	HD 161833	17472+1742	1995.6089	10.9:	0.465:	538/76
1995.3167	260.7	0.529	549/22	ADS 11524	Hu 198	HD 172171	18383+0850
BD+37 2949	Cou 1145	HD 162338	17490+3704 a	1995.6089	134.1	0.480	538/76
1995.3221	103.5	0.150	538/76 b	ADS 11530	Ho 87 AB	HD 172246	18386+1632
ADS 10822	A 2187	HD 162262	17501+0214	1995.6089	65.2	0.329	538/76
1995.6116	323.0	0.493	549/22	ADS 11558	StF 2368 AB	HD 172712	18389+5221
ADS 10828	Stt 337	HD 162405	17505+0715	1995.6006	322.5	1.886	549/22

TABLE 2. (continued)

Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter	Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter
HR 7017	Cou 1607	HD 172671	18395+4056	ADS 12313	A 2269	HD 181306	19199+0413
1995.6007	116.2	0.160	549/22	1995.4370	11.5	0.263	538/76
BD+26 3325	Cou 641	HD 336690	18406+2636	ADS 12329	Hwe 47	HD 181527	19206+0256
1995.6007	52.8	0.557	538/76	1995.4370	309.0	0.534	549/22
ADS 11566	Ho 437 AB	HD 172729	18406+3138	ADS 12366	Bu 1129	HD 182353	19216+5223
1995.6007	134.6	0.380	549/22	1995.7621	350.7	0.219	549/22
ADS 11574	A 2988	HD 172743	18410+2450	ADS 12379	A 1179 BC	HD 182219	19233+0931
1995.6007	119.5:	0.062:	549/22	1995.4370	191.8	0.306	538/76
ADS 11579	StF 2367 AB	HD 172865	18413+3018	ADS 12416	Hu 339	HD 231357	19251+1839
1995.6007	82.0	0.273	549/22	1995.4371	242.4	0.811	538/76
ADS 11593	B 2546 Aa	HD 173087	18421+3445	BD+19 4027	Cou 514	HD 350040	19276+2009
1995.6007	324.6	0.130	549/22	1995.4371	90.2	0.480	538/76
BD+18 3786	Cou 816	HD 229303	18433+1847	ADS 12552	A 712	HD 184195	19303+5639
1995.6062	300.9	0.243	538/76	1995.7621	94.6	0.156	549/22
ADS 11610	A 357	HD 173112	18436+0444	ADS 12540	McA 55 Aa	HD 183912	19307+2758
1995.6061	72.6	0.560	549/22	1995.3141	141.5	0.386	549/22
ADS 11617	STF 2369	HD 173174	18439+0237	1995.7620	140.7	0.388	549/22
1995.6061	60.4	0.377	549/22	BD+58 1929	McA 56	HD 184467	19311+5835
ADS 11614	A 859	HD 173160	18439−0013	1995.4397	64.8	0.113	549/22
1995.6061	13.9	0.251	549/22	1995.7621	21.9	0.086	549/22
ADS 11619	A 2388	HD 173196	18440+0321	ADS 12567	A 713	HD 184242	19313+4729
1995.6061	117.5	0.249	549/22	1995.7621	282.3	0.306	549/22
ADS 11635	StF 2383 Cc,D	HD 173607-8	18444+3937	HR 7436	CHARA 87	HD 184603	19336+3846
1995.6008	85.8	2.350	549/22	1995.4397	46.5	0.094	549/22
ADS 11640	Fin 332 Aab	HD 173495	18455+0530	1995.7621	49.4	0.089	549/22
1995.6008	126.1	0.136	549/22	ADS 12619	A 1186	HD 231853	19346+1022
ADS 11640	StF 2375 AB	HD 173495	18455+0530	1995.4371	84.2	0.265	538/76
1995.6008	120.3	2.615	549/22	ADS 12623	Stt 375	HD 184591	19347+1808
ADS 11683	Hu 584	HD 229505	18475+1537	1995.4371	180.8	0.612	549/22
1995.6062	12.1	0.358	538/76	ADS 12752	StF 2556	HD 185661	19394+2216
ADS 11698	Bu 971 AB	HD 174343-4	18475+4926	1995.7703	13.1	0.351	549/22
1995.6063	33.8	0.387	549/22	ADS 12775	CHARA 88 Aa	HD 185762	19407−0037
HR 7090	Hei 72	HD 174366	18477+4905	1995.7675	220.4	0.077	549/22
1995.6063	225.3	0.557	549/22	HR 7486	Kui 93	HD 185936	19412+1349
ADS 11709	Hu 326	HD 343145	18486+2330	1995.7703	312.0	0.193	549/22
1995.6062	195.2	0.097	549/22	ADS 12798	Stt 382	HD 186179	19419+2723
ADS 11725	Hu 327	HD 343226	18498+2124	1995.7703	326.9	0.309	549/22
1995.6062	67.8	0.316	538/76	HR 7499	Kui 94	HD 186307	19419+4015 a
ADS 11769	Hu 199	HD 174832	18521+1148	1995.4397	181.3	0.196	549/22 b
1995.6062	347.5	0.850	549/22	1995.7701	180.6	0.204	549/22
BD+24 3555	Cou 510	HD 174932	18521+2431	ADS 12808	Stt 380 AB	HD 186203	19426+1149
1995.6063	166.4	0.196	549/22	1995.4398	76.6	0.419	549/22
ADS 11802	A 2989	HD 337117	18534+2553	1995.7703	77.0	0.417	549/22
1995.6063	184.3	0.195	538/76	ADS 12850	Bu 658	HD 186518	19441+2708
ADS 11837	A 258	HD 175612	18550+3053	1995.7703	282.9	0.338	549/22
1995.6063	245.1	0.500	549/22	ADS 12889	StF 2576 AB	HD 186858	19456+3336
BD+23 3498	Cou 511 Aa	HD 343379	18554+2324	1995.6008	347.5	2.596	549/22
1995.6062	194.3	0.711	538/76	ADS 12906	A 1404 AB	HD 186996	19459+3953
ADS 11844	A 2193	HD 175558	18558+0323	1995.7701	290.4	0.181	549/22
1995.6061	350.4	0.800	549/22	ADS 12962	StF 2583 AB	HD 187259	19487+1148
ADS 11842	A 2192	HD 175543	18558+0327	1995.6008	108.1	1.439	549/22
1995.6061	69.3	0.235	549/22	BD+18 4252	McA 58	HD 187321-2	19487+1852
AG+29 1931	Cou 1014	BD+29 3407	18564+2944	1995.4398	99.2	0.407	549/22
1995.6063	36.4	0.246	538/76	1995.7703	99.2	0.406	549/22
ADS 11874	Hu 329	HD 343434	18574+2129	ADS 12973	AGC 11 AB	HD 187362	19489+1908
1995.6062	346.6	0.072	538/76	1995.4398	336.0	0.220	549/22
ADS 11897	StF 2438	HD 176560	18575+5814	1995.7703	335.5	0.217	549/22
1995.6064	1.9	0.856	549/22	HR 7571	CHARA 90	HD 187949	19531−1436
BD+03 3856	Vou 39 BC	HD 176180	18590+0330	1995.4398	152.5	0.169	549/22
1995.6061	160.2:	0.191:	549/22	1995.7675	154.2:	0.177:	549/22
ADS 12033	Hu 940	BD+33 3318	19055+3352	ADS 13125	Ho 581	HD 188753	19549+4152
1995.4397	199.8	0.551	538/76	1995.7593	65.7	0.343	549/22
BD+12 3818	McA 54	HD 178452-3	19083+1215	ADS 13104	StF 2597	HD 188405	19553−0644 a
1995.7620	183.4	0.158	549/22	1995.4398	106.6	0.359	549/22 b
GJ 747.2	Cou 1462	BD+33 3339	19089+3404	ADS 13186	Stt 392 AB	HD 189377	19579+4215
1995.4397	39.5	0.185	538/76	1995.7648	184.6	0.108	549/22
ADS 12101	CHARA 84 Aa	HD 178911	19091+3436	ADS 13198	StF 2609	HD 189432	19586+3807
1995.7618	7.8	0.093	549/22	1995.6010	23.5	1.982	549/22
ADS 12140	A 151	HD 179310	19114+2116	HR 7637	Ho 276	HD 189340	19599−0957 a
1995.7618	152.3	0.592	549/22	1995.4398	299.1	0.230	549/22 b
ADS 12147	Bu 1204 AB	HD 179343	19120+0237	ADS 13277	Stt 395	HD 190004	20018+2456
1995.7620	185.2	0.243	549/22	1995.7648	123.0	0.838	549/22
BD+20 4076	Cou 320	HD 179528	19123+2113	HR 7684	CHARA 91	HD 190781	20045+4814
1995.7618	113.2	0.213	549/22	1995.4399	209.8:	0.371:	549/22
ADS 12160	Bu 139 AB	HD 179588	19126+1651	1995.7648	209.3:	0.388:	549/22
1995.4397	136.9	0.654	549/22	ADS 13384	Bu 428	HD 190887	20067+1256
1995.7620	137.2	0.655	549/22	1995.7648	354.5:	0.812:	549/22
ADS 12239	Stt 371 AB	HD 180553	19159+2727	ADS 13461	Stt 400	HD 191854	20102+4357
1995.7618	159.9	0.885	549/22	1995.4399	351.6	0.413	538/76
BD+19 3972	Cou 321	HD 181025	19180+2012	ADS 13506	StF 2644	HD 191984	20126+0052
1995.7620	315.8	0.098	549/22	1995.6008	207.3	2.738	549/22
ADS 12301	Hu 337	HD 231121	19188+1736	ADS 13564	A 1204	HD 192559	20143+3129
1995.4371	279.2	0.187	549/22	1995.6064	142.4	0.364	538/76

TABLE 2. (continued)

Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter	Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter	
1995.7703	141.4	0.361	549/22	1995.6038	49.3	0.368	538/76	
ADS 13572	Stt 403 AB	HD 192659	20143+4206	ADS 14473	A 755	HD 199739	20567+5656	
1995.6091	171.8	0.937	549/22	1995.6010	186.7	0.085	549/22	
ADS 13611	A 2095 AB	HD 192911	20156+4339	ADS 14493	A 756 AB	HD 199937	20577+5850	
1995.6091	158.3	0.223	538/76	1995.6010	212.0	0.548	549/22	
HR 7744	McA 60 Aa,B	HD 192806	20158+2749	ADS 14504	StF 2741 AB	HD 199955	20586+5028	
1995.6064	143.7	0.255	549/22	1995.6010	26.4	1.944	549/22	
1995.7648	144.4	0.263	549/22	ADS 14499	StF 2737 AB	HD 199766	20591+0418	
ADS 13728	A 1427 AB	HD 193702	20202+3924	1995.7622	286.0	0.865	549/22	
1995.6091	116.3	0.316	549/22	ADS 14526	McA 65 Aa	HD 200120	20598+4732	
ADS 13748	A 46 AB	BD+43 3573	20211+4341	1995.4373	32.2	0.197	549/22	
1995.6091	81.3:	0.410:	538/76	1995.6036	33.1	0.192	549/22	
ADS 13820	A 1428	HD 194523	20239+5232	1995.7649	31.0	0.203	549/22	
1995.6091	207.7	0.319	538/76	HR 8038	Kui 102	HD 199942	21002+0731	
BD+23 4004	Cou 125	HD 194359	20244+2417	1995.7621	21.4	0.363	549/22	
1995.7648	118.0	0.354	549/22	ADS 14543	A 1438	HD 200222	21010+4000	
BD+54 2344	Mlr 588	HD 194719	20246+5527	1995.6038	251.9	0.303	549/22	
1995.6090	237.5	0.246	549/22	BD+23 4216	Cou 128	HD 200290	21019+2340	
BD−09 5457	Rst 4062	HD 194233	20247−0846	1995.7649	142.6	0.170	549/22	
1995.7648	357.4:	0.203:	549/22	ADS 14575	StF 2751	HD 200614	21022+5640	
BD+33 3914	Cou 1956	HD 195102	20281+3353	1995.6010	355.6	1.622	549/22	
1995.7648	237.3	0.368	549/22	ADS 14573	StF 2744 AB	HD 200375	21031+0132	
HR 7843	Kui 97	HD 195554	20295+5604	1995.7622	121.1	1.317	549/22	
1995.6090	132.1	0.778	549/22	HR 8060	Fin 328	HD 200499	21044−1951	
Vyss 67	Wor 9 AB	HD 340345	20302+2651	1995.7649	242.2	0.289	549/22	c
1995.4371	299.1	0.733	538/76	ADS 14617	Hu 590	HD 200927	21048+4902	
HR 7837	Fin 336	HD 195330	20309−1503	1995.6036	87.6	0.207	538/76	
1995.4426	283.1	0.119	549/22	BD+39 4427	Cou 2135	HD 200890	21050+4021	
1995.7649	280.8	0.116	549/22	1995.6038	356.0	0.217	538/76	
ADS 13946	CHARA 99 Aa	HD 195482	20312+1116	AG+26 2446	Cou 527 Aa	BD+26 4074	21065+2655	
1995.6064	134.1	0.367	549/22	1995.6039	328.3	0.354	538/76	
1995.7704	132.6	0.364	549/22	ADS 14644	Hu 691	HD 201155	21067+3455	
ADS 13946	Da 1 BC	HD 195482	20312+1116	1995.6038	314.5	0.350	549/22	
1995.6064	349.2	0.076	549/22	ADS 14648	Bu 368 AB	HD 201038	21075−0814	
1995.7704	351.2	0.080	549/22	1995.6011	278.0	0.188	549/22	
ADS 13961	See 512	HD 195536	20325−1636	1995.7649	277.0	0.189	549/22	
1995.7704	100.2:	0.146:	549/22	ADS 14666	Stt 527	HD 201221	21080+0509	
BD+49 3310	McA 61	HD 196089	20331+4950	1995.7622	125.8	0.281	549/22	
1995.6066	209.5	0.067	549/22	AG+29 2499	Cou 1332	BD+28 4003	21091+2922	
1995.7621	209.7	0.069	549/22	1995.6039	20.4	0.215	538/76	
HR 7866	WRH AB	HD 196093	20339+3515	AG+40 2169	Cou 1968	BD+39 4463	21098+4013	
1995.4373	97.6	0.267	549/22	1995.6038	101.7	0.176	538/76	
1995.7621	98.0	0.267	549/22	BD−12 5935	Vou 24 AB	HD 201926	21130−1133	
ADS 14073	Bu 151 AB	HD 196524	20375+1436 e,*	1995.7622	287.4	0.243	538/76	c
1995.6064	306.2	0.263	549/22	ADS 14761	Hu 767	HD 202128	21135+1559	a
1995.7649	308.1	0.273	549/22	1995.4426	134.7	0.183	549/22	b
BD+19 4472	Cou 225	HD 352632	20386+2007	1995.6011	136.0	0.184	549/22	
1995.4371	281.3:	0.267:	538/76	1995.7594	136.0	0.186	549/22	
ADS 14126	Stt 410 AB	HD 197018	20396+4036	ADS 14773	Stt 535 AB	HD 202275	21145+1001	a
1995.7649	5.8	0.855	549/22	1993.9220	217.2	0.133	549/22	b
ADS 14121	Wck Aa	HD 196867	20397+1556 e,*	1995.6011	203.4	0.327	549/22	
1995.6064	176.5:	0.186:	549/22	1995.7594	202.1	0.326	549/22	
1995.7649	174.2	0.193	549/22	ADS 14775	A 883 AB	HD 202260	21146−0050	
ADS 14148	A 2795	HD 197075	20406+2156	1995.7594	354.1	0.109	549/22	
1995.4371	247.9	0.242	549/22	ADS 14821	A 1441 AB	HD 202797	21171+4001	
1995.7649	247.6	0.245	549/22	1995.7704	291.1	0.151	549/22	
BD+18 4585	Cou 226 AB	HD 197229	20419+1931	BD+30 4393	Cou 1183	HD 202882	21180+3049	
1995.4371	27.7	0.336	538/76	1995.7704	19.5	0.232	549/22	
ADS 14196	Bu 152	HD 197618	20423+5724	ADS 14839	Bu 163 AB	HD 202908	21187+1134	*
1995.7621	85.0	1.119	549/22	1995.6011	263.7	0.396	549/22	
BD−06 5567	Rst 4679	HD 197436	20440−0557	1995.7594	263.8	0.403	549/22	
1995.7704	358.1	0.338	549/22	ADS 14864	Bag Aa	HD 203338	21192+5837	
ADS 14233	StF 2723 AB	HD 197684	20450+1219	1995.7595	122.9	0.113	549/22	
1995.7649	130.7	1.066	549/22	ADS 14894	Stt 435	HD 203323	21214+0254	
BD+18 4611	Cou 426	HD 352967	20466+1915	1995.7594	234.9	0.663	549/22	
1995.4371	139.5	0.308	538/76	ADS 14893	A 617	HD 203345	21214+1021	
HR 7958	Kui 101	HD 198151	20466+4632	1993.9220	99.6:	0.170:	549/22	
1995.7621	112.5	0.285	549/22	1995.7594	84.5	0.159	549/22	
ADS 14296	Stt 413 Aa,B	HD 198183	20474+3629	AG+28 2460	Cou 532	BD+28 4067	21223+2906	
1995.4373	10.5	0.852	549/22	1995.7704	56.6	0.291	549/22	
1995.7621	10.8	0.857	549/22	ADS 14944	A 765 AB	HD 203938	21238+4710	
ADS 14306	Bu 268	HD 198253	20476+4204	1995.7595	27.4	0.451	549/22	
1995.7621	200.9	0.418	549/22	ADS 14954	Bu 164 AB	HD 203943	21251+0923	
BD+58 2180	Mlr 240	HD 198914	20509+5918	1995.7594	192.5	0.116	549/22	
1995.6010	12.9	0.171	549/22	BD+28 4085	Cou 940	HD 204051	21253+2928	
ADS 14360	StF 2729 AB	HD 198571	20514−0537	1995.7594	271.7	0.320	549/22	
1995.6011	18.7	0.959	549/22	ADS 14958	A 887 AB	HD 204011	21254+1121	
1995.7649	18.3	0.954	549/22	1995.7704	176.2	0.095	549/22	
ADS 14379	Ho 144	HD 198810-1	20523+2008	ADS 15115	Hu 371	HD 205541	21354+2427	
1995.7621	348.6	0.372	549/22	1995.7596	306.1	0.299	549/22	
ADS 14392	A 1435	HD 198960	20526+3655	ADS 15176	Bu 1212 AB	HD 206058	21395−0003	
1995.6038	0.1	0.401	549/22	1995.7623	268.2	0.514	549/22	
ADS 14404	Ho 146	HD 199071	20536+3514	ADS 15236	Hu 280	HD 206512	21423+0554	

TABLE 2. (continued)

Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter	Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter
1995.7622	151.8	0.194	549/22	1995.6066	80.6	0.218	549/22
HR 8300	Kui 108	HD 206644	21425+4106	1995.7649	80.3	0.220	549/22
1993.9220	334.5	0.161	549/22	1995.9315	80.1	0.220	538/76
1995.6011	319.4	0.133	549/22	BD+39 4837	Cou 1642	HD 212900	22268+4034
1995.7595	316.1	0.130	549/22	1995.6067	83.2:	0.174:	538/76
ADS 15267	Ho 166	HD 206792	21439+2751	1995.7705	80.5	0.171	549/22
1995.7595	49.0	0.266	549/22	ADS 15956	Bu 291 AB	HD 212923	22277+0431
ADS 15281	Bu 989 AB	HD 206901	21446+2539	1995.6014	222.9	0.271	549/22
1993.9220	241.6	0.104	549/22	ADS 15972	Kr 60 AB	HD 239960	22281+5742
1995.6011	153.5	0.125	549/22	1995.9261	110.8	3.321	538/76
1995.7595	148.4	0.136	549/22	ADS 15971	StF 2909 AB	HD 213051-2	22288−0002
ADS 15313	StF 2825	HD 207136	21469+0051	1995.9261	193.9	1.920	549/22
1995.7622	142.4	0.566	549/22	HR 8572	McA 71	HD 213310	22295+4743
BD+34 4540	Cou 1484	HD 207663	21498+3455	1995.6012	43.1	0.082	549/22
1995.7622	352.0	0.380	538/76	ADS 15988	StF 2912	HD 213235	22299+0425
HR 8344	Cou 14	HD 207652	21502+1718	1995.6014	118.5	0.481	549/22
1995.6012	229.8	0.361	549/22	1995.7598	118.0	0.477	549/22
1995.7596	230.0	0.366	549/22	1995.9288	118.3	0.476	549/22
HR 8355	Fin 358	HD 208008	21535−1019	ADS 15992	Hu 388	HD 213315	22302+2228
1995.7623	111.1	0.138	549/22	1995.6013	55.2	0.476	549/22
ADS 15431	Cou 432 BC	HD 208202	21543+1943	AG+22 2442	Vou 38 AB	BD+21 4772	22305+2232
1995.7596	213.7	0.132	549/22	1995.6013	210.3:	0.146:	538/76
ADS 15478	A 622	HD 208610	21572+1047	BD+17 4759	Cou 234	HD 213392	22307+1758
1995.7596	296.4	0.126	549/22	1995.6013	285.0:	0.116:	549/22
ADS 15494	StF 2847	HD 208690	21581−0329	LTT 16615	Kui 112 Aa	BD+53 2911	22327+5347
1995.7623	306.4	0.826	549/22	1995.9261	252.2	0.710	538/76
ADS 15530	Hu 774	HD 209103	21598+4908	AG+38 2339	Cou 1488	BD+37 4616	22341+3823
1995.7622	158.9	0.184	549/22	1995.6095	32.9	0.371	538/76
BD−05 5682	Rst 4703	HD 209129	22012−0507	1995.9287	44.2	0.303	538/76
1995.6066	87.5:	0.302:	538/76	ADS 16073	A 1468	HD 213990	22342+5405
BD−10 5812	Rst 4095	HD 209208	22018−0952	1995.7705	254.6	0.255	549/22
1995.6066	185.5:	0.107:	549/22	BD+25 4767	Cou 540	HD 213919	22344+2623
ADS 15578	Bu 694 AB	HD 209515	22030+4439	1995.6013	307.9	0.303	538/76
1995.6093	6.1	0.984	549/22	ADS 16098	A 1470	HD 214222	22357+5312
ADS 15599	Bu 696 AB	HD 209622	22045+1552	1993.9248	75.9	0.132	549/22
1995.6066	13.2	0.066	538/76	1995.7705	94.5	0.168	549/22
ADS 15613	A 1453	BD+38 4679	22054+3858	BD+53 2924	Mlr 3	HD 214221	22357+5413
1995.6067	327.4	0.536	538/76	1995.7705	10.6	0.107	549/22
ADS 15633	A 183	BD+44 4042	22059+4522	ADS 16113	Cou 737 Aa	BD+25 4776	22372+2645
1995.6093	246.5	0.729	nofilter	1995.6013	6.5	0.184	538/76
AG+26 2642	Cou 537	BD+25 4677	22077+2622	AG+15 2547	Hei 86	BD+15 4683	22375+1607
1995.6067	224.1	0.089	538/76	1995.6013	288.5:	0.304:	538/76
BD+22 4563	Cou 136	HD 210444	22100+2308	HR 8617	CHARA 114	HD 214558	22383+4511
1995.6067	34.1	0.477	549/22	1993.9248	186.5	0.099	549/22
1995.7704	33.3	0.476	549/22	1995.7596	200.9	0.102	549/22
BD+23 4482	Egg 4	HD 210595	22110+2429	ADS 16130	A 2695	HD 214448	22384−0754
1995.6067	153.5	0.523	538/76	1995.7598	178.0	0.082	549/22
ADS 15720	A 1457	HD 210787	22114+5259	ADS 16131	Ho 479	HD 214494	22385+0218
1995.6094	112.5	0.176	538/76	1995.6014	98.6	0.486	549/22
1995.7705	113.0	0.178	549/22	ADS 16138	Ho 295	HD 214608	22387+4418 a
ADS 15738	Ho 179 AB	HD 210842	22126+3013	1993.9248	345.1	0.086	549/22 b
1995.6067	99.1	0.870	538/76	ADS 16164	Ho 188	HD 214807	22402+3731
AG+44 2041	Cou 1829	BD+43 4153	22131+4437	1995.6096	213.1	0.370	538/76
1995.6093	120.0	0.167	nofilter	1995.9287	212.1	0.368	538/76
ADS 15756	Bu 991	HD 211113	22136+5234	HR 8629	Kui 114	HD 214810	22408−0333
1995.6093	139.9	0.661	538/76	1993.9221	128.9:	0.372:	549/22
ADS 15758	McA 70 Ab	HD 211073	22139+3944 e,*	1995.7598	130.1	0.376	549/22
1993.9193	11.9:	0.437:	549/22	ADS 16173	Ho 296 AB	HD 214850	22408+1432
1995.9260	12.6	0.410	549+538	1993.9221	53.8	0.484	549/22
ADS 15792	Hu 696	HD 211404	22156+5152	1995.6014	49.4	0.462	549/22
1995.6093	238.0	0.322	538/76	1995.7598	48.3	0.460	549/22
ADS 15794	Ho 180	HD 211405	22158+4354	1995.9288	47.1	0.457	549/22
1995.6093	239.1	0.757	538/76	ADS 16186	Hu 781	HD 215014	22420+1513
1995.7650	238.7	0.755	549/22	1995.6014	325.4	0.211	549/22
AG+34 2295	Cou 1191	BD+33 4470	22164+3438	HR 8650	η Peg	HD 215182	22430+3013
1995.6067	206.4	0.470	538/76	1993.9221	354.3:	0.081:	549/22
ADS 15835	Hu 383	BD+20 5127	22196+2107	1993.9247	346.1:	0.081:	549/22
1995.6067	30.5	0.362	538/76	1995.9288	4.2:	0.078:	549/22
1995.7704	30.6	0.357	549/22	ADS 16214	Stt 476 AB	HD 215242	22431+4709
ADS 15846	A 185	BD+45 3885	22201+4625	1993.9248	303.3	0.491	549/22
1995.6093	315.1	0.762	nofilter	1995.7705	302.8	0.490	549/22
ADS 15867	A 411	HD 212153	22214+4148	ADS 16214	Hu 91 BC	HD 215242	22431+4709
1995.6068	226.7	0.270	538/76	1993.9248	39.3	0.070	549/22
1995.7705	226.4	0.274	549/22	1995.7705	35.3	0.079	549/22
ADS 15896	StF 2900 AB	HD 212395	22236+2051	BD−07 5847	CHARA 207	HD 215389	22449−0654
1995.6067	2.2:	0.431:	549/22	1995.7598	339.8:	0.125:	538/76 c
1995.7650	1.4	0.426	549/22	ADS 16244	A 1474	HD 215563	22451+5458
1995.9315	1.0	0.420	549/22	1995.6094	6.7:	0.440:	538/76
ADS 15896	Cou 139 CD	BD+20 5138	22236+2051	1995.9261	5.3	0.448	538/76
1995.6067	255.8	0.395	538/76	ADS 16249	Hu 783	HD 215590	22453+5128
1995.7704	255.4	0.397	549/22	1995.7623	191.4	0.189	538/76
ADS 15902	Bu 172 AB	HD 212404	22241−0451	ADS 16250	Ho 481	HD 215567	22457+2924
1993.9221	87.3	0.206	549/22	1995.6041	289.3	0.443	549/22

TABLE 2. (continued)

Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter	Star Name Date (BY)	Disc. Desig. θ (deg)	HD/BD ρ (arcsec)	WDS Filter
ADS 16314	Ho 482 AB	HD 216285	22514+2624	ADS 16731	Stt 495	HD 220562	23241+5732
1995.6040	26.7	0.430	549/22	1995.7678	121.4	0.329	549/22
1995.7677	26.2	0.428	549/22	1995.9153	120.8	0.331	549/22
BD+56 2890	A 632	HD 216448	22520+5743	ADS 16760	A 1485	HD 220869	23268+5434
1995.9152	158.2	0.722	538/76	1995.9153	211.1	0.564	538/76
BD+43 4326	Cou 2244	HD 216488	22527+4347	ADS 16800	Bu 1266 AB	HD 221264	23305+3050
1995.7705	161.3	0.144	549/22	1993.9248	56.1	0.219	549/22
HR 8704	McA 73	HD 216494	22535−1137 *	1995.7625	49.1	0.199	549/22
1995.6039	295.0	0.075	549/22	ADS 16819	Hu 298	HD 221445	23322+0705
1995.7650	294.0	0.077	549/22 c	1993.9249	292.6	0.168	549/22
ADS 16345	Bu 382 AB	HD 216608	22537+4445	1995.7625	308.8	0.188	549/22
1995.7623	219.9	0.930	549/22	ADS 16836	Bu 720	HD 221673	23340+3120
BD+22 4742	Cou 240	HD 216879	22564+2257	1993.9167	89.7	0.531	549/22 *
1995.6040	292.5	0.744	549/22	1995.7625	91.0	0.530	549/22
1995.7651	292.1	0.741	549/22	ADS 16858	Bu 721 AB	HD 221925	23363−0707
BD+23 4640	Cou 542 Aa	HD 216963	22570+2441	1995.7678	135.6:	0.274:	549/22
1995.6040	328.4	0.201	549/22	ADS 16877	Stt 500 AB	HD 222109	23375+4426
ADS 16417	Stt 536 AB	HD 217166	22585+0922	1995.7626	3.7	0.483	549/22
1995.6040	347.8	0.153	549/22	ADS 16886	A 1493	HD 222186	23382+5514
1995.7651	347.4	0.162	538/76	1995.9153	340.3	0.138	538/76
1995.7677	347.5	0.161	549/22	ADS 16904	A 643 AB	HD 222326	23392+4543
1995.9288	345.8	0.164	538/76	1995.7626	155.6	0.220	549/22
AG+25 2744	Cou 543	BD+25 4852	22587+2611	BD+45 4301	Mlr 4	HD 222516	23412+4613 a
1995.6040	105.2	0.223	538/76	1993.9249	138.6	0.123	549/22 b
ADS 16428	Stt 483	HD 217232	22592+1144	1995.7626	167.4	0.107	549/22
1995.6040	327.2	0.511	549/22	ADS 16928	Bu 858 AB	HD 222529	23413+3234
1995.7651	327.0	0.510	549/22	1995.7678	226.9	0.834	549/22
1995.9290	328.7	0.511	538/76	ADS 16941	A 1495	HD 222672	23425+5436
HR 8762		HD 217675	23019+4219 a	1995.9153	182.1	0.484	538/76
1993.9221	340.3	0.162	549/22 b	HR 9003	McA 75 Aab	HD 223047	23460+4625
1995.7623	334.3:	0.136:	549/22	1993.9249	102.3	0.305	549/22
ADS 16457	A 194	HD 217712	23020+4800	1995.7626	101.9	0.308	549/22
1995.7623	289.2	0.170	538/76	ADS 16995	Bar 19	HD 223139	23470+0515
ADS 16463	Hu 398	HD 217716	23024+1837	1995.9261	0.7	1.092	538/76
1995.6040	273.0	0.410	549/22	ADS 17019	B 2547 AB	HD 223331	23485+3617
ADS 16467	Bu 1147 AB	HD 217782	23026+4245	1995.7626	12.4	0.208	549/22
1995.7623	348.9	0.366	549/22	BD+18 5223	Cou 343	HD 223402	23492+1915
1995.9290	348.6	0.366	538/76	1995.7706	115.2	0.175	549/22
ADS 16497	A 417 AB	HD 218060	23052−0742 a	ADS 17030	A 424	HD 223486	23498+2740
1995.6039	123.7	0.182	549/22	1995.7625	129.8	0.156	549/22
1995.7650	125.8	0.186	549/22	BD+18 5226	Cou 344	HD 223523	23502+1940
1995.9288	123.7:	0.183:	538/76	1995.9235	1.5:	0.182:	538/76
ADS 16505	A 196	HD 218196	23055+4643	ADS 17036	A 792	BD+46 4184	23505+4703
1995.7623	316.7	0.474	538/76	1995.9208	265.4	0.689	538/76
ADS 16539	A 1238 AB	HD 218550	23088+1057	ADS 17050	Stt 510 AB	HD 223672	23516+4205
1995.6040	157.5	0.292	549/22	1995.7678	304.4	0.559	549/22
1995.7678	156.5	0.295	549/22	1995.9235	304.2	0.556	538/76
ADS 16561	Bu 385 AB	HD 218767	23103+3228	HR 9041	Fin 359	HD 223825	23529−0313 *
1995.6041	89.5	0.649	549/22	1993.9249	151.5	0.067	549/22 c
1995.7651	87.8	0.650	549/22	1995.7678	128.2	0.076	549/22 c
ADS 16576	Ho 197 AB	HD 218917	23115+3813	1995.9235	122.7	0.072	549/22 c
1995.6041	308.9	0.297	549/22	AG+43 2301	Cou 1497	BD+43 4571	23545+4408
ADS 16591	A 2298	HD 219018	23126+0242	1995.9235	27.4	0.389	nofilter
1995.6040	311.3	0.146	549/22	1995.9235	26.5	0.394	538/76
ADS 16610	A 1481	BD+38 4957	23137+3931	BD+42 4792	Cou 1498	HD 224167	23557+4318
1995.6041	182.6	0.170	538/76	1995.7678	32.3	0.160	538/76
ADS 16621	A 200	HD 219334	23147+4116	1995.9235	27.8	0.163	538/76
1995.6041	79.5	0.562	538/76	ADS 17105	A 426	HD 224217	23561+2520
1995.7705	79.2	0.557	549/22	1995.9235	307.6	0.382	538/76
ADS 16644	Bu 182 AB	HD 219617	23171−1350	ADS 17104	Hu 500	HD 224219	23561+2327
1995.7625	46.3:	0.822:	538/76	1995.9235	83.2	0.158	538/76
ADS 16650	Hu 400	HD 219675	23176+1819	ADS 17111	A 2100	HD 224315	23568+0443 *
1995.7625	107.8	0.336	549/22	1993.9249	324.7	0.113	549/22 c
ADS 16672	McA 74 Aa	HD 219834	23191−1327	1995.7678	307.2	0.158	549/22 c
1995.7625	341.1	0.216	549/22	1995.9235	302.6	0.159	538/76 c
BD+27 4530	Cou 439	HD 219963	23199+2845	HR 9064	McA 76	HD 224427	23578+2508
1995.7706	243.8	0.170	549/22	1993.9249	174.7:	0.071:	549/22
BD+33 4690	Cou 742	HD 219982	23199+3444	1995.9235	171.4:	0.081:	549/22
1995.7706	27.6	0.245	549/22	BD−14 6588	Rst 4136 AB	HD 224512	23586−1408
BD+15 4809	Hei 88	HD 220077	23209+1643	1995.7678	9.2:	0.174:	549/22
1995.7706	247.2	0.195	549/22	ADS 17151	A 1498	HD 224646-7	23594+5441
ADS 16708	Hu 295	HD 220278	23226−1503	1995.9236	85.4	0.375	538/76
1995.7625	232.3	0.112	549/22				

Notes to TABLE 2

[a]Orbital elements for this system were recently published by Hartkopf *et al.* (1996).
[b]Data for this measurement, originally published in Hartkopf *et al.* (1996), have been recalibrated as described above.
[c]Data for this measurement, originally published in Mason (1996), have been recalibrated as described above.
[d]An orbital analysis of this system is in preparation.
[e]Differential R and I photometry for this system were obtained in 1995, using the adaptive optics system of the Starfire Optical Range 1.5-m telescope (see ten Brummelaar *et al.* 1996). This photometry yielded estimates of $T_{\rm eff}$ for both components.

00550+2338=StF 73 AB: SOR photometry yielded spectral types of K3 V and K5 V.
01093+4715=Stt 515: Spectral types of B7 V and A8 V were derived from the SOR results.
02242+1016=CHARA 199: The system is frequently unresolvable, probably due to its large magnitude difference and close separation.
03337+5752=CHARA 117: Considering the preliminary nature (due to incomplete orbital coverage) of the only published elements for this system (McAlister *et al.* 1992), these measures are in quite reasonable agreement. Residuals do show a systematic drift, however; the orbital period appears to be about 5% larger and the semi-major axis about 3% larger than earlier found. This gives a mass sum within 1% of that earlier derived.
04187+1632=Stt 79: SOR photometry yielded rough spectral types of F9 V and K3 V for this Hyades binary.
06024+0939=A 2715 AB: Fekel (1980, 1992) found this system to be quadruple in nature, so no spectral types were determined from the SOR results.
06120+1947=CHARA 163 Aa: This measure confirms a very close system discovered at the CFH 3.6-m in 1988 (McAlister *et al.* 1993).
09123+1459=Fin 347 Aa: Orbital elements for this system were published in Mason *et al.* (1996). The first two measures presented here are recalibrations of data originally published in that paper.
09364+1856=Cou 386 AB + CHARA 248 Aa: Data for the close Aa component, originally published in Mason (1996), have been recalibrated, as described in the main text. In this earlier paper, however, we failed to notice the wide pair and erroneously designated the 80 mas pair as Cou 386.
11182+3132=StF 1523 AB: The 1993 and 1994 measures presented here are recalibrations of results published in Mason *et al.* (1995). Orbital elements for this system were also published in that paper, and these reprocessed measures yield smaller residuals than those originally determined. Mean θ and ρ residuals for these five data points with this published orbit are $0\overset{\circ}{.}44$ and 28.3 mas, respectively, while residuals to the orbit of Heintz (1996) are $5\overset{\circ}{.}77$ and 96.7 mas. As pointed out by Heintz, the elements ω and Ω in Mason *et al.* were inadvertently reversed for the 1.8-yr binary seen as a submotion. The correct values are $\omega = 263\overset{\circ}{.}5$ and $\Omega = 143\overset{\circ}{.}0$.
11191+3811=CHARA 133=55 UMa: Residuals to the preliminary orbital elements of McAlister *et al.* (1993) are $-3\overset{\circ}{.}0$ and $-0\overset{\circ}{.}1$ in θ, $0\overset{''}{.}005$ and $0\overset{''}{.}008$ in ρ, respectively. Liu *et al.* (1997) give a new combined spectroscopic/astrometric solution to the long-period ($5\overset{y}{.}1$) pair of this triple system, together with tomographically separated spectra of the short-period ($2\overset{d}{.}5$) pair.
12501+5506=GD 319: Observations of this system showed it to be an optical, rather than physical pair. This measure is a recalibration of data originally published in McAlister *et al.* (1996).
12532−0333=CHARA 38: This observation finally confirms this interferometric pair, originally discovered in 1984 (McAlister *et al.* 1987).
13155+4051=CHARA 180: This observation appears to confirm this interferometric pair, originally discovered in 1988 (McAlister *et al.* 1993).
13164+2906=HZ 43: Observations of this system confirmed it as a true physical pair. This measure is a recalibration of data originally published in McAlister *et al.* (1996).
16254+3724=CHARA 55: A preliminary 32.75-year orbit of this interferometric system was published in McAlister *et al.* (1993), based on only partial orbital coverage. Observations published by Hartkopf *et al.* (1994) and those in this paper suggest that the orbital period of this system is significantly longer than this.
17217+3958=McA 47: This measure is in good agreement with the combined spectroscopic/astrometric solution for this system published by Scarfe *et al.* (1994); θ and ρ residuals are $-1\overset{\circ}{.}5$ and $0\overset{''}{.}005$, respectively.
17375+2419=CHARA 63: Although the published elements (McAlister *et al.* 1993) gave a good fit to data available at the time, orbital coverage was incomplete, and recent observations have shown that some revision to the elements is needed. A reanalysis of this system is now in progress.
18280+0612=CHARA 71: Data obtained since the preliminary orbital elements for this system were published (McAlister 1993) indicate that considerable revision is in order; more complete orbital coverage must be obtained before a meaningful new orbit can be computed, however.
20375+1436=Bu 151 AB: Spectral types for the A and B components of F5 III and F3 IV and masses of 1.68 ± 0.33 and $1.68 \pm 0.17\ M_{\odot}$, respectively, were derived from the SOR results.
20397+1556=Wck Aa: SOR photometry yielded spectral types of A0 V and G9 V.
21187+1134=Bu 163 AB: A combined spectroscopic/astrometric orbit for this system was published by Fekel *et al.* (1997). The 1995 measures given here were originally published in that paper, but have been recalibrated, as described above.
22189+3944=McA 70 Ab: The magnitude difference was found to be large, so only an upper limit was found for $T_{\mathrm{eff},B}$. The spectral type for the A component was estimated as K3 III.
23340+3120=Bu 720: An historical note: this is the first measurement obtained following the "rebirth" of the historic Hooker telescope in 1993.

We congratulate the Mount Wilson Institute for its successful efforts in modernizing and reopening the Hooker Telescope, and are indebted to the efforts of the staff of MWI and the Mount Wilson Observatory, in particular Bob Cadman, Joe Russell, Ed Hyatt, Bob Jastrow, Jim Frazier, and Mike Bradford, in making our runs so productive. Thanks once again to Charles Worley for his making available the computer files of the invaluable *Washington Double Star Catalogue*. Thanks to an "anonymous" referee (whose initials are CEW) for spotting a few errors in our original manuscript. This research has also made use of the Simbad database, operated at CDS, Strasbourg, France. Research in speckle interferometry at Georgia State University is supported by the GSU College of Arts and Sciences, the Office of the Vice President for Research, and the Chancellor's Initiative Fund of the University System of Georgia. The National Science Foundation provided support for this effort, most recently through NSF Grant AST94-16994 to GSU/CHARA.

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