

INTERNATIONAL ASTRONOMICAL UNION COMMISSION 26

(DOUBLE STARS)

INFORMATION CIRCULAR No. 175 (OCTOBER 2011)

NEW ORBITS

ADS α 2000 δ	Name n	P a	T i	e ω	Ω (2000) Last ob.	2011 2012	Author(s)
- 00095+1907	COU 247 2°2500	160 ^y 0 0 ^h 573	2002.05 129°4	0.256 86°1	19°2 2010.635	246°4 0 ^h 330 242.4 0.342	DOCOBO & TAMAZIAN
- 01166+1831	HDS 169 2.5048	143.73 0.767	2115.16 118.3	0.575 93.9	102.7 2010.8971	238.4 0.625 236.9 0.622	HARTKOPF & MASON
- 02022–2402	HDS 272 2.5985	138.54 0.970	2074.75 111.1	0.513 274.2	89.6 2010.9655	334.5 0.573 332.2 0.582	HARTKOPF & MASON
- 02039–4525	RST2272 0.6548	549.83 3.233	2050.09 74.2	0.671 54.2	252.9 2011.0393	235.7 1.445 236.3 1.450	HARTKOPF & MASON
- 02456–7114	HDS 357 4.5744	78.70 0.545	2041.99 116.1	0.401 256.6	160.8 2010.9656	60.0 0.330 55.0 0.332	HARTKOPF & MASON
2111 02460–0457	BU 83 0.5026	716.26 2.380	2418.03 101.4	0.510 290.2	147.7 2010.9655	13.6 0.955 13.1 0.963	HARTKOPF & MASON
- 04502–3113	B 1474 3.5025	102.78 0.289	1953.13 14.9	0.050 315.7	121.6 2010.9657	278.7 0.301 281.8 0.301	HARTKOPF & MASON
- 05190–2159	RST2375 1.2908	278.90 0.463	2003.66 60.0	0.441 221.7	150.5 2010.9659	22.0 0.159 27.1 0.153	HARTKOPF & MASON
- 05330–2415	DAW 85 5.4943	65.52 0.286	1999.56 168.1	0.788 24.0	125.2 2010.9659	310.1 0.349 308.0 0.365	HARTKOPF & MASON
- 05418–5000	HU 1568 1.1708	307.49 1.025	2021.62 109.5	0.391 76.7	171.3 2010.9795	151.9 0.472 150.1 0.450	HARTKOPF & MASON
- 06359–3605	FIN 19Aa,Ab 12.5130	28.77 0.309	1993.25 101.8	0.436 287.1	157.7 2010.9659	353.4 0.260 350.4 0.284	HARTKOPF & MASON

NEW ORBITS (continuation)

ADS α2000δ	Name n	P a	T i	e ω	Ω(2000) Last ob.	2011 2012	Author(s)
- 06493–0216	FIN 322 6.1872	58.18 0.145	1968.78 113.2	0.282 62.9	241.0 2010.9659	281.0 0.089 275.3 0.095	HARTKOPF & MASON
- 07598–4718	I 1070AB 0.1106	3255.23 1.777	2018.39 65.6	0.950 257.0	205.6 2010.9685	26.5 0.137 29.1 0.126	HARTKOPF & MASON
6981 08369+2315	AG 154 0.3096	1162.85 3.124	3009.92 95.1	0.643 81.0	183.8 2010.9688	1.0 2.657 1.0 2.660	HARTKOPF & MASON
- 08563–3707	RST2593 2.2540	159.72 0.914	2061.33 143.3	0.215 351.6	190.1 2011.0370	337.9 0.950 336.3 0.939	HARTKOPF & MASON
7662 10093+2020	A 2145 4.4669	80.59 0.152	1991.25 139.5	0.812 113.7	160.7 1995.1438	244.2 0.170 242.7 0.175	MASON & HARTKOPF
- 10183–0326	RST4454AB 2.1878	164.55 0.273	1957.19 86.9	0.306 243.1	221.3 2010.9689	222.8 0.294 222.9 0.292	HARTKOPF & MASON
8128 11190+1416	STF 1527 0.6529	551.36 2.624	2010.22 53.9	0.881 2.6	184.3 2010.395	196.0 0.307 209.7 0.296	SCARDIA ET AL. (*)
- 13072–5420	FIN 54 1.0349	347.86 0.670	2245.05 119.6	0.716 106.2	119.6 2011.0400	207.2 0.252 205.9 0.253	HARTKOPF & MASON
8914 13284+1543	STT 266 0.1842	1954.11 3.384	1852.79 72.8	0.502 132.1	166.4 2011.0374	357.0 2.003 357.2 2.002	HARTKOPF & MASON
- 15313–3349	B 2036AB 1.5805	227.78 0.444	1985.94 90.9	0.5677 67.0	181.2 2011.3029	1.3 0.357 1.3 0.366	HARTKOPF & MASON
- 15390+2545	COU 612 5.7061	63.09 0.223	2035.01 138.8	0.401 136.1	155.9 2009.4413	173.8 0.289 171.5 0.288	DOCOBO & LING
- 16054–1948	MCA 42 CE 9.2855	38.77 0.124	1993.96 41.8	0.025 155.8	5.4 2009.263	328.8 0.112 336.9 0.117	DOCOBO & CAMPO
- 16115+0943	FIN 354 7.1770	50.16 0.122	2014.57 92.2	0.093 214.7	82.9 2009.263	262.7 0.112 262.4 0.109	DOCOBO & ANDRADE
- 16229–1701	CHR 54 10.0925	35.67 0.185	2011.21 100.6	0.774 125.5	56.4 2010.4784	282.7 0.011 232.5 0.058	LING

NEW ORBITS (continuation)

ADS α 2000 δ	Name n	P a	T i	e ω	Ω (2000) Last ob.	2011 2012	Author(s)
10385 17115–1630	HU 169 4.5489	79.14 0.217	1992.09 125.5	0.458 63.0	22.1 2008.5397	191.9 0.245 190.1 0.248	DOCOBO & LING
11127 18112–1951	BU 132AB 0.1192	3021.10 3.182	1936.97 116.1	0.599 327.5	192.0 2011.2893	188.2 1.393 188.0 1.394	HARTKOPF & MASON
14526 20598+4731	MCA 65Aa,Ab 2.2296	161.5 0.208	2024.3 145.8	0.261 265.5	205.2 2008.4509	354.3 0.156 351.1 0.153	MASON

(*) SCARDIA, PRIEUR, PANSECCHI & ARGYLE

NEW LINEAR FITS

Authors: FRIEDMAN, E.A., MASON, B.D. & HARTKOPF, W.I.

ADS α 2000 δ	Name -	X_0 Y_0	X_A Y_A	ρ_0 θ_0	T_0 Last ob.	2011 2012
17175 00022+2705	BU 733AD -	-30"970873 27"374418	-0"859028 -0"971887	41"335 228°53	1842.9500 1998.7500	307°7 220"590 307.8 221.864
- 00276–3157	I 438BC -	0.450788 1.254735	-0.070674 0.025391	1.333 160.24	1898.1310 1998.7500	241.2 8.506 241.3 8.580
01477+6351	ENG 7 -	-15.407104 37.507088	-0.593044 -0.243610	40.548 202.33	2039.2070 2003.8700	177.5 44.663 178.3 44.398
- 01591+3313	ENG 9AB -	11.881812 -8.228194	-0.240921 -0.347899	14.453 55.30	2216.4419 2002.7040	135.9 88.548 135.9 88.131
2383 03112+2225	H 5 117AC -	-12.157592 6.380237	-0.061803 -0.117765	13.730 242.31	1867.1040 2010.6200	296.5 23.446 296.7 23.554

NEW LINEAR FITS (continuation)

Authors: FRIEDMAN, E.A., MASON, B.D. & HARTKOPF, W.I.

ADS α 2000 δ	Name -	X_0 Y_0	X_A Y_A	ρ_0 θ_0	T_0 Last ob.	2011 2012
	HJ 2194	-2.341482	0.055625	7.230	1438.3190	121.0 34.380
03314+0131	-	6.840384	0.019041	198.90	2003.0740	121.0 34.438
3093	STF 518AD	29.253775	2.264239	35.189	1881.2720	37.6 525.612
04153-0739	-	19.557575	-3.386797	123.76	1998.8700	37.6 529.677
3093	STF 518AE	-74.164978	2.239836	88.650	1861.0400	24.9 615.479
04153-0739	-	-48.562584	-3.420686	303.22	1998.8700	25.0 619.526
	HJ 351AB	7.571932	0.046198	10.333	1788.3190	77.4 18.256
04550+3411	-	7.031074	-0.049752	132.88	2004.0900	77.2 18.312
3886	STFB 3AC	-26.616661	-0.523136	33.911	1905.3170	300.7 94.665
05191+4006	-	21.011721	-0.662684	231.71	1999.9900	300.9 95.453
	BLL 16	37.474773	-0.489587	52.680	2081.6970	88.8 72.592
05460+3717	-	-37.024433	-0.495542	45.35	2007.2679	88.4 72.115
	STF 892	32.207527	-0.009910	34.064	1355.9041	40.7 39.454
06195+1220	-	-11.092638	-0.028773	71.00	2007.0649	40.7 39.469
	HJ 388	-4.513659	0.034228	8.191	1416.6219	142.0 25.681
06269+2951	-	6.834824	0.022604	213.44	2005.2440	142.0 25.719
	KUI 51AC	12.936215	-0.287673	14.038	1961.1350	358.3 38.819
10365-1214	-	-5.452597	-0.682500	67.14	2007.2050	358.0 39.511
	STI 714	-1.688840	0.022737	2.440	1641.1420	34.3 11.872
10456+6250	-	-1.761501	-0.021799	316.21	2000.2610	34.4 11.903
8250	STF1561AE	-0.179783	0.559438	57.382	2056.2759	335.5 62.951
11387+4507	-	-57.381424	-0.001753	359.82	2009.4840	336.0 62.723
8250	STF1561BC	-0.001742	0.584671	3.973	1707.5031	88.7 176.906
11387+4507	-	-3.973470	-0.000256	359.97	2009.4840	88.7 177.490
	STT 576AB	-6.484517	-0.737788	19.883	1593.9280	285.5 325.336
11507+0146	-	18.796144	-0.254531	199.03	1984.3000	285.5 326.115

NEW LINEAR FITS (continuation)

Authors: FRIEDMAN, E.A., MASON, B.D. & HARTKOPF, W.I.

ADS α 2000 δ	Name -	X_0 Y_0	X_A Y_A	ρ_0 θ_0	T_0 Last ob.	2011 2012
13119+2753	STT 578	-61.849041	0.810116	83.229	1935.2770	180.6 122.925
	-	55.693901	0.899648	228.00	1924.2500	180.2 123.819
8841 13169+1701	BU 800AC	33.207432	-0.640518	86.861	1878.7070	336.1 125.807
	-	-80.262177	-0.265006	22.48	1999.9500	335.9 126.309
9212 14190-2549	BU 1246AC	19.498384	0.344018	26.951	1842.7540	118.4 87.592
	-	-18.605721	0.360523	46.34	1999.2200	118.5 88.066
14237+6156	STF1845	3.969837	-0.080821	7.667	1548.0780	311.1 44.306
	-	-6.559544	-0.048913	31.18	2007.4449	311.1 44.399
9413 14514+1906	STF1888AD	-18.767683	-0.420808	37.684	1686.9120	286.4 161.251
	-	32.677612	-0.241682	209.87	2008.3110	286.4 161.723
15111+4424	SKF 10	-8.517613	0.102674	9.797	2052.5930	282.5 13.203
	-	4.840978	0.180653	240.39	2007.5179	281.8 13.064
16134+2431	POU3216	-6.438280	-0.044088	7.687	1866.0560	293.4 13.929
	-	4.199899	-0.067585	236.88	2003.3300	293.6 13.996
16258+0542	STF2042	-0.462005	-0.106478	5.835	2090.4360	128.7 10.386
	-	5.816632	-0.008457	184.54	2007.4399	129.1 10.298
16316+2307	POU3231	-8.353945	-0.013474	8.433	1802.9120	210.3 22.108
	-	-1.151351	0.097761	277.85	2003.4700	210.2 22.199
16489+2259	POU3246	1.025265	0.007408	1.041	1621.9200	166.4 16.528
	-	-0.181470	0.041853	79.96	2003.3300	166.4 16.570
10417 17153-2636	SHJ 243BD	-179.122208	0.545681	192.190	1848.6230	342.9 309.786
	-	-69.658478	-1.403182	291.25	1987.6520	343.1 310.968
12913 19464+3344	STF2580AC	86.616745	-0.022163	86.723	2158.6089	124.6 109.270
	-	-4.296807	-0.446765	87.16	2009.4850	124.4 108.998
20041+1704	BUP 202AD	-41.656883	0.400098	58.158	1898.0229	2.1 86.627
	-	-40.583622	-0.410679	314.25	2009.6331	2.3 87.053

NEW LINEAR FITS (continuation)

Authors: FRIEDMAN, E.A., MASON, B.D. & HARTKOPF, W.I.

ADS α2000 δ	Name -	X_0 Y_0	X_A Y_A	ρ_0 θ_0	T_0 Last ob.	2011 2012
20111+1611	HZG 15AD	-20.516668	0.416876	29.713	2047.6370	259.8 36.788
	-	21.492411	0.397951	223.67	2008.7780	259.1 36.451
20182+2319	POU4348AB	9.232443	-0.011024	9.241	1907.6270	162.8 27.480
	-	0.402985	0.252557	92.50	2008.8820	163.0 27.718
14585 21028+4551	BU 1138CE	-0.019011	-0.386340	0.051	1949.2830	248.1 25.300
	-	-0.047053	0.156096	338.00	1962.7600	248.1 25.716
15275 21441+2845	STF2822AC	-17.962929	-0.275661	27.131	1815.8290	290.7 76.401
	-	20.332838	-0.243531	221.46	1999.8600	290.8 76.745
15797 22159+5440	BU 377AC	-3.864764	-0.210705	12.191	2156.9790	51.0 34.855
	-	-11.562686	0.070427	341.52	2006.8890	50.9 34.647
15797 22159+5440	BU 377AD	7.414804	-0.213434	22.305	2010.6930	160.2 22.306
	-	21.036974	0.075228	160.58	2006.8890	160.8 22.306
16261 22467+1210	HJ 301AC	83.832207	-0.230352	92.418	1719.7350	5.3 183.781
	-	-38.899464	-0.496432	65.11	1924.9010	5.2 184.255
16633 23159-0905	BU 1220AD	0.086581	-0.353315	3.452	1697.6479	273.2 110.447
	-	-3.451173	-0.008864	1.44	2008.8330	273.2 110.801
23399+0538	BUP 240AB	-20.662453	-0.375194	27.708	1796.3800	305.3 123.447
	-	18.460800	-0.419940	228.22	2008.8820	305.3 123.995

NEW LINEAR FITS (continuation)

Author: CVETKOVIC, Z.

ADS α2000δ	Name	X_0 Y_0	X_A Y_A	ρ_0 θ_0	T_0 Last ob.	2011 2012
48 00057+4549	STT 547 AD -	-14.463919 82.046331	-0.871063 -0.153559	83.311 190.00	1936.073 2011.6356	228.5 106.46 228.9 107.01
48 00057+4549	POP 217 AP -	1.726719 -9.405213	-0.888654 -0.163150	9.562 10.40	2002.921 2011.6356	333.0 12.03 329.8 12.60

ANNOUNCEMENTS

- Preliminary planning is underway for a possible IAU Symposium in September/October 2013 focusing on resolved spectroscopic binaries which would be jointly sponsored by Commissions 26, 30 and 54 hosted at the Special Astrophysical Observatory.

For those interested in logistical details please see
<http://agora.guru.ru/display.php?conf=lot&l=1>
for an example of a Fall 2011 meeting.

At this time we are polling possible interest in this meeting. Please reply with a “would attend”, “may attend” or “would not attend” to wds@usno.navy.mil.

Thanks!

Brian Mason
Dimitri Pourbaix
Gerard van Belle

- The Proceedings of the “International Workshop on Double and Multiple Stars: Dynamics, Physics, and Instrumentation”, held in Santiago de Compostela on December 10 and 11, 2009, are now available at the following reference:

“2011/ AIP CONFERENCE PROCEEDINGS - 1346”

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The deadline for contributions to Information Circular No. 176 is:

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