

INTERNATIONAL ASTRONOMICAL UNION COMMISSION 26

(DOUBLE STARS)

INFORMATION CIRCULAR No. 174 (JUNE 2011)

NEW ORBITS

ADS $\alpha$ 2000 $\delta$	Name n	P a	T i	e $\omega$	$\Omega$ (2000) Last ob.	2011 2012	Author(s)
17178 00014+3937	HLD 60 0°1774	223 <sup>y</sup> 2 0"880	1903.08 128°3	0.648 325°7	324°7 2009.7330	168°9 1"286 168.6 1.290	HARTKOPF & MASON
- 00428+1249	HDS 93 3.8185	94.28 0.339	2006.69 134.5	0.226 343.6	50.7 2007.0092	43.7 0.265 39.4 0.265	CVETKOVIC
709 00521+1036	STF 67 0.0871	4133. 5.982	1741. 113.3	0.908 102.0	216. 2008.8876	349.9 2.272 349.8 2.274	HARTKOPF & MASON
1406 01467+3310	STF 158AB 0.1608	2239. 5.351	2089.7 78.8	0.764 65.	278. 2008.8663	272.2 2.055 272.4 2.049	HARTKOPF & MASON
1632 02048+6030	A 957 1.6366	219.97 0.471	1870.07 125.3	0.462 250.1	107.7 1997.04	14.3 0.375 12.9 0.374	ZIRM & RICA
- 02396-1152	FIN 312 135.6903	2.653 0.106	2009.66 24.0	0.226 25.1	105.3 2009.671	309.6 0.128 68.9 0.088	DOCOBO & ANDRADE
2273 03005+3934	A 1530 2.8147	127.9 0.492	2020.7 83.1	0.739 78.7	79.3 2008.8582	73.7 0.267 74.5 0.262	HARTKOPF & MASON
2468 03128-0112	HJ 663 0.1774	2029. 9.87	2283. 104.	0.26 342.	97. 2002.6845	201.0 2.150 200.2 2.141	ROBERTS Jr. & HARTKOPF
- 03342+4837	BU 787AB 0.5489	655.84 4.988	2264.91 70.0	0.261 291.6	130.5 2010.6900	292.8 4.659 293.0 4.677	CVETKOVIC
- 04024-2832	DAW 79 3.7061	97.138 0.454	1999.55 130.3	0.703 249.8	155.1 2010.5864	142.7 0.399 140.6 0.416	MASON & HARTKOPF
- 04102+1722	HEI 35 12.4524	28.91 0.282	2000.53 115.7	0.832 35.9	165.9 2008.6915	333.2 0.446 332.1 0.449	RICA & ZIRM

**NEW ORBITS (continuation)**

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- 04545-0314	RST5501 4.2640	84.428 0.241	2004.43 120.7	0.516 311.2	219.3 2010.0652	202.0 0.146 196.9 0.146	MASON & HARTKOPF
3822 05148+1232	HU 1224 0.2174	1656. 2.3	2111. 105.0	0.77 71.	100. 2009.1230	114.5 1.032 114.3 1.031	HARTKOPF & MASON
5172 06319-0938	A 670 2.3930	150.438 0.360	1989.53 63.9	0.689 222.0	177.5 2010.0656	175.8 0.363 176.5 0.374	MASON & HARTKOPF
5571 06549+1158	A 2833 1.7218	209.09 0.429	1987.13 43.1	0.927 240.7	107.2 2004.2034	138.9 0.411 139.4 0.420	ZIRM & RICA
- 07175-4659	I 7 4.2252	85.204 1.001	1958.74 102.9	0.967 248.5	237.7 2010.0656	204.5 0.733 204.1 0.720	MASON & HARTKOPF
6138 07305+0743	A 2869 2.3060	156.116 0.230	1996.23 149.0	0.785 45.7	302.7 2010.9688	123.2 0.192 121.6 0.201	MASON & HARTKOPF
7316 09207-0742	A 1082 AB 1.6925	212.7 0.600	1987.66 127.0	0.644 24.2	5.0 2009.2652	210.3 0.436 208.9 0.453	DOCOBO & LING
7380 09273+0614	STF 1355 0.6091	591. 1.733	2139.52 51.1	0.623 2.8	146.4 2009.2597	353.5 1.854 353.7 1.843	LING
8230 11361+1251	STF 1554 0.7518	478.88 0.868	1962.44 74.8	00.902 308.6	84.6 2004.2068	214.1 0.281 214.9 0.288	ZIRM & RICA
8547 12260-1457	BU 606 0.5088	707.61 1.441	2009.44 96.9	0.383 123.6	100.1 2006.1997	289.7 0.524 289.3 0.539	RICA & ZIRM
- 12415-4858	HJ 4539 AB 4.3191	83.35 0.869	1931.25 113.7	0.793 2.6	187.9 2010.63	298.0 0.19 266.9 0.14	ALZNER & ARGYLE
- 13320-6519	FIN 369 14.2572	25.25 0.152	1999.19 71.4	0.374 95.0	20.1 2009.2627	287.9 0.069 309.3 0.070	CVETKOVIC
- 13320-6519	FIN 369 14.5337	24.77 0.155	1998.89 72.2	0.377 93.1	19.2 2009.2627	292.9 0.065 314.6 0.071	DOCOBO & ANDRADE
9025 13473+1727	STT 270 0.3614	996. 8.01	2035. 49.	0.76 322.	174. 2001.0994	51.9 2.011 54.5 1.945	ROBERTS Jr. & MASON

**NEW ORBITS (continuation)**

ADS $\alpha$ 2000 $\delta$	Name n	P a	T i	e $\omega$	$\Omega$ (2000) Last ob.	2011 2012	Author(s)
- 14531-4638	I 952 3.6316	99.13 0.521	1981.39 156.1	0.659 268.1	27.1 2009.2602	322.4 0.707 321.1 0.716	RICA & ZIRM
9473 15002+2129	HU 907 1.3857	259.8 0.339	2123.28 62.2	0.290 272.0	157.5 2009.4413	279.3 0.228 280.7 0.230	LING
- 15496-0326	CHR 259 10.6679	33.75 0.255	2003.87 128.5	0.747 98.6	44.0 2009.2658	162.5 0.226 157.1 0.235	CVETKOVIC
- 16341+4226	LAB 4 24.2915	14.82 0.114	1990.10 102.0	0.058 278.9	16.4 2010.498	346.4 0.047 278.1 0.025	DOCOBO & TAMAZIAN
10425 17141+5608	STT 327 4.0723	88.402 0.278	1968.19 57.3	0.653 12.3	146.4 2010.5081	332.2 0.453 332.8 0.452	MASON & HARTKOPF
- 17221+2310	COU 415 3.8116	94.449 0.308	1989.72 135.2	0.383 125.5	129.3 2009.4388	247.6 0.251 243.9 0.252	MASON & HARTKOPF
- 17308-3726	B 912 2.7220	132.256 0.297	1944.75 44.9	0.113 116.2	226.8 2010.5856	171.9 0.256 174.5 0.259	MASON & HARTKOPF
12746 19389+3514	HU 953 1.2730	282.797 0.680	2002.84 30.8	0.686 156.0	184.4 2007.6016	40.0 0.261 45.2 0.270	MASON & HARTKOPF
14126 20396+4035	STT 410 AB 0.2557	1408. 0.751	1708. 126.	0.67 63.	203. 2008.8575	4.2 0.865 4.1 0.866	HARTKOPF & MASON
14889 21208+3227	STT 437 AB 0.2533	1421. 2.589	1789.6 141.0	0.759 97.0	255. 2008.8685	19.5 2.410 19.3 2.415	HARTKOPF & MASON
15007 21289+1105	STF2799 AB 0.3681	978. 2.098	1735. 131.0	0.530 133.	187. 2009.6550	259.7 1.853 259.5 1.858	HARTKOPF & MASON
15007 21289+1105	STF2799 AB 0.3158	1140.01 1.860	2880.08 151.6	0.335 357.8	23.8 2010.6874	260.2 1.833 260.0 1.837	CVETKOVIC
- 21552-6153	HDO 296 AB 13.0577	27.57 0.273	1993.45 82.9	0.546 206.3	100.6 2009.755	107.5 0.288 108.8 0.252	DOCOBO & CAMPO
- 22234+3228	WOR 11 2.7648	130.21 1.610	2049.06 43.3	0.101 343.9	19.0 2010.6871	237.9 1.434 240.4 1.407	CVETKOVIC

**NEW ORBITS (continuation)**

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16923 23409+2022	HO 303 AB 3.1972	112.6 1.112	1958.38 89.0	0.609 58.3	4.1 2009.687	185.5 1.031 185.6 1.008	DOCOBO & LING
- 23586-1408	RST 4136 AB 6.6902	53.81 0.205	1999.31 102.5	0.038 63.5	17.1 2009.671	205.4 0.171 203.5 0.183	DOCOBO & CAMPO
17149 23595+3343	STF 3050 AB 0.5021	717. 3.856	1992.3 61.9	0.215 116.4	185.2 2009.8430	336.9 2.278 337.6 2.301	HARTKOPF & MASON

**NEW LINEAR FITS**

<b>ADS</b> $\alpha$ <b>2000</b> $\delta$	<b>Name</b> <b>-</b>	$X_0$ $Y_0$	$X_A$ $Y_A$	$\rho_0$ $\theta_0$	$T_0$ <b>Last ob.</b>	<b>2011</b> <b>2012</b>	<b>Author(s)</b>
337 00251+1824	HJ 621 -	$-2''322987$ $-2''083223$	$0''049777$ $-0''055505$	$3''120$ $311^\circ 89$	1955.128 2010.6844	$5^\circ 1 5''205$ 5.5 5.265	CVETKOVIC
- 03342+4837	BU 787 AB -	-1.744095 1.467897	-0.020860 -0.024785	2.258 229.91	1878.073 2010.6900	292.0 4.872 292.2 4.901	CVETKOVIC
17130 23581+2840	HJ 995 -	3.715886 -1.593434	0.042847 0.099919	4.043 66.79	1948.823 2010.6900	125.9 7.877 126.3 7.970	CVETKOVIC

## INFORMATIVE NOTE

In the Binaries Workshop held in Santiago de Compostela in February 2011, Drs. Scardia and Prieur (as representatives of the PISCO group) presented a request to the IAU- Commission 26 with the intention that it would be sent to the Cote d'Azur Observatory (OCA), asking for necessary support for their group in terms of obtaining automatic speckle measurements with a dedicated computer-controlled 1 meter telescope that belongs to OCA. The Commission 26 staff (8 people) approved the proposal by a majority vote. The Director of the OCA responded that he would make all of the arrangements necessary in order to be able to satisfy IAU recommendations.

J. A. Docobo  
President  
IAU-Commission 26

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The deadline for contributions to Information Circular No. 175 is:

October 15th 2011

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