

INTERNATIONAL ASTRONOMICAL UNION COMMISSION 26

(DOUBLE STARS)

INFORMATION CIRCULAR No. 136 (OCTOBER 1998)

NEW ORBITS

ADS α 2000 δ	Name n	P a	T i	e ω	Ω (2000) Last ob.	1998 1999	Author
01528-0447	RST 4188 0 ⁰ 7725	466 ^y 03 0 ⁷ 662	2395.22 47 ⁰ 5	0.782 124 ⁰ 0	113 ⁰ 3 1995.91	23 ⁰ 2 0 ⁷ 493 23.6 0.497	OLEVIĆ & JOVANOVIĆ
3007 04089+4614	A 998 2.2750	158.24 0.281	2010.16 123.8	0.692 46.9	170.8 1989.813	218.8 0.129 214.4 0.127	PAVLOVIĆ
3228 04275+1113	BU 1186 08766	410.67 0.773	1948.17 102.2	0.210 27.3	170.2 1995.921	75.7 0.143 70.5 0.145	POPOVIĆ & PAVLOVIĆ
4002 05244-0224	McA 18 Aab,c 18.7138	19.24 0.059	1979.08 103.7	0.047 36.5	126.5 1995.932	118.7 0.049 110.5 0.037	OLEVIĆ & JOVANOVIĆ
07269+2015	CHARA 26 25.3939	14.18 0.061	1984.40 46.6	0.237 111.4	14.4 1995.9215	100.4 0.032 154.4 0.039	OLEVIĆ & JOVANOVIĆ
14260+4213	COU 1757 7.2435	49.70 0.192	2000.80 46.1	0.536 304.5	13.3 1996.415	240.6 0.090 265.4 0.071	MANTE
9532 15123-1947	B 2351 Aa 15.3387	23.47 0.131	1994.57 152.5	0.245 345.6	179.0 1997.1322	117.2 0.107 98.3 0.112	MASON & HARTKOPF
15390+2545	COU 612 6.4286	56.00 0.212	1971.07 137.7	0.405 131.2	164.4 1996.342	207.8 0.252 204.8 0.257	DOCOBO & LING
17075+3810	COU 1291 7.2551	49.62 0.169	2011.71 61.2	0.302 282.4	122.2 1996.415	288.0 0.174 291.1 0.175	DOCOBO & LING

NEW ORBITS (continuation)

ADS α 2000 δ	Name n	P a	T i	e ω	Ω (2000) Last ob.	1998 1999	Author
17370+2743	KUI 83 15.0063	23.99 0.288	1961.21 164.2	0.205 23.2	334.5 1997.7198	124.1 0.343 114.0 0.337	MASON & HARTKOPF
17375+2419	CHARA 63 18.8005	19.15 0.092	1999.73 115.2	0.008 241.0	63.2 1995.1673	230.5 0.082 218.7 0.068	OLEVIĆ & JOVANOVIĆ
11023 18033+3921	STF 2275 0.6851	525.46 0.679	2012.87 78.0	0.477 142.8	131.6 1992.323	283.1 0.153 285.4 0.162	POPOVIĆ
12746 19389+3514	HU 953 1.1967	300.84 0.736	2009.73 54.7	0.449 314.7	8.5 1995.62	287.7 0.254 292.9 0.255	ZIVKOV & POPOVIĆ
21044-1951	FIN 328 12.7479	28.24 0.266	2002.70 161.5	0.392 219.3	152.0 1996.5377	37.2 0.241 22.3 0.219	MASON & HARTKOPF

NOTES CONCERNING THE PREVIOUS CIRCULAR

- Regarding to Olević & Jovanović's orbit for McA 13 Aa, there is an earlier orbit based on speckle and radial velocity data of Mason et al. (A. J. 1997, 114, 1607). Olević & Jovanović's orbit is no improvement and was included in I. C. No. 135 by printing error.
- Dr. B. Mason notes that the double star announced by Dr. R. Pavlović may be the known double star L 15, the coordinates, magnitudes and relative position are all very similar.
- The orbit calculated by Olević & Jovanović for ADS 2849 (03545+0511) corresponds to the pair BC.

IN MEMORIAM, DR. D. J. ZULEVIĆ (1937 - 1998)

Danilo J. Zulević Astronomer at Belgrade Observatory died unexpectedly on July 14, 1998. He made over 4000 measures of double stars using filar micromerer at Zeiss Refractor 65/1055cm of Belgrade Observatory. In IAU Comm. 26 Information Circular's (No 50 - 132) he published 58 orbits by 53 binary stars and the duplicity of the stars BD +33 3323.

G.M. Popović

ANNOUNCEMENT

The United States Naval Observatory (USNO) maintains the Washington Double Star Catalog (WDS) which is the world's principal database of astrometric double and multiple star data. The WDS Catalog contains positions (J2000), discoverer designations, epochs, position angles, separations, magnitudes, spectral types, proper motions, and, when available, Durchmusterung numbers and Notes for the components of more than 81,000 systems based on more than 480,000 means.

In the past only the most recent (1996.0) published version (<http://aries.usno.navy.mil/ad/wds/wds.html> : *A&AS*, 125, 523; 1997) was available. We are now making available on the web (<http://aries.usno.navy.mil/ad/wds/wdsnew.html>) our working version of the WDS. This contains the most recent observational data available and includes systems newly discovered by the Hipparcos satellite. While Hipparcos did not provide discovery designations these are the primary system identifier in visual double star astronomy. A cross reference file of these 3406 systems containing the abbreviated coordinate, as well as the HDS and HIP numbers is provided. A cross reference of WDS entries which had Hipparcos problem solutions (i.e., the G, X, O, V double star solutions as well as those which were suspected non-single) is also available.

Also, new to the WDS is an additional indicator in columns 100-102. This "D" note code indicates the system has a separate Delta-M determined (in addition to those determined during astrometric measures). These results, primarily from Charles Worley's Delta-m catalog plus other lunar occultation and interferometric determinations will eventually be incorporated in a weighted scheme for the magnitude listings of the WDS data line.

Addition of the Delta-m information as well as other more significant changes to the WDS database is currently under consideration. The input from regular users of the database and other interested parties is greatly appreciated in our efforts to make the WDS as helpful and user-friendly as possible. Please provide comments on the format of the WDS, missed references, or any other items of interest to you on our Comment form.

Information is being added to the database on a continuing basis, and this edition of the WDS will also be updated regularly.

In addition to the WDS Hipparcos problem star cross reference we will also be adding a preliminary version of the 5th Orbit Catalog to this site soon.

You may request a reasonable amount of information from the double star catalog by e-mail. While our turn around on email requests is less than 24 hours, it is our hope to eventually add cgi scripts so the user may get data immediately.

If you have any comments or questions we would be grateful to receive them via email (bdm@draco.usno.navy.mil), postal mail (Brian D. Mason, Astrometry Department, U. S. Naval Observatory, 3450 Massachusetts Avenue NW, Washington DC 20392-5420), or via our web comment form (http://aries.usno.navy.mil/ad/wds/wds_comment.html).

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The deadline for contributions to Information Circular No. 137 is:

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