

Observatorio Astronómico Ramón María Aller

INTERNATIONAL ASTRONOMICAL UNION COMMISSION 26 (DOUBLE STARS)

INFORMATION CIRCULAR No. 136 (OCTOBER 1998)

NEW ORBITS

ADS	Name	P (yr)	T	e	W(2000)	1998	Author
RA 2000 DEC	n (deg)	a (")	i (deg)	w (deg)	Last ob.	1999	

RST 4188	466.03	2395.22	0.782	113.3	23.2	0.493	OLEVIC
01528-0447	0.7725	0.662	47.5	124.0	1995.91	23.6	0.497 JOVANOVIC
3007	A 998	158.24	2010.16	0.692	170.8	218.8	0.129 PAVLOVIC
04089+4614	2.2750	0.281	123.8	46.9	1989.813	214.4	0.127
3228	BU 1186	410.67	1948.17	0.210	170.2	75.7	0.143 POPOVIC &
04275+1113	0.8766	0.773	102.2	27.3	1995.921	70.5	0.145 PAVLOVIC
4002	McA 18 Aab,c	19.24	1979.08	0.047	126.5	118.7	0.049 OLEVIC &
05244-0224	18.7138	0.059	103.7	36.5	1995.932	110.5	0.037 JOVANOVIC\
CHARA 26	14.18	1984.40	0.237	14.4	100.4	0.032	OLEVIC &
07269+2015	25.3939	0.061	46.6	111.4	1995.9215	154.4	0.039 JOVANOVIC
COU 1757	49.70	2000.80	0.536	13.3	240.6	0.090	MANTE
14260+4213	7.2435	0.192	46.1	304.5	1996.415	265.4	0.071
9532	B 2351 Aa	23.47	1994.57	0.245	179.0	117.2	0.107 MASON &
15123-1947	15.3387	0.131	152.5	345.6	1997.1322	98.3	0.112 HARTKOPF
COU 612	56.00	1971.07	0.405	164.4	207.8	0.252	DOCOBO
15390+2545	6.4286	0.212	137.7	131.2	1996.342	204.8	0.257 & LING
COU 1291	49.62	2011.71	0.302	122.2	288.0	0.174	DOCOBO
17075+3810	7.2551	0.169	61.2	282.4	1996.415	291.1	0.175 & LING
KUI 83	23.99	1961.21	0.205	334.5	124.1	0.343	MASON &
17370+2743	15.0063	0.288	164.2	23.2	1997.7198	114.0	0.337 HARTKOPF
CHARA 63	19.15	1999.73	0.008	63.2	230.5	0.082	OLEVIC &
17375+2419	18.8005	0.092	115.2	241.0	1995.1673	218.7	0.068 JOVANOVIC
11023	STF 2275	525.46	2012.87	0.477	131.6	283.1	0.153 POPOVIC
18033+3921	0.6851	0.679	78.0	142.8	1992.323	285.4	0.162
12746	HU 953	300.84	2009.73	0.449	8.5	287.7	0.254 ZIVKOV &
19389+3514	1.1967	0.736	54.7	314.7	1995.62	292.9	0.255 POPOVIC

NOTES CONCERNING THE PREVIOUS CIRCULAR

1. Regarding to Olevic & Jovanovic'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). Olevic & Jovanovic's orbit is no improvement and was included in I. C. No. 135 by printing error.
 2. Dr. B. Mason notes that the double star announced by Dr. R. Pavlovic may be the known double star L 15, the coordinates, magnitudes and relative position are all very similar.
 3. The orbit calculated by Olevic & Jovanovic for ADS 2849 (03545+0511) corresponds to the pair BC.
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IN MEMORIAM, DR. D. J. ZULEVIC (1937 - 1998)

Danilo J. Zulevic, Astronomer at Belgrade Observatory died unexpectedly on July 14, 1998. He made over 4000 measures of double stars using filar micrometer 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 star BD +33 3323.

G.M. Popovic

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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