

OBSERVATORIO ASTRONOMICO RAMON MARIA ALLER

INTERNATIONAL ASTRONOMICAL UNION COMMISSION 26 (DOUBLE STARS) INFORMATION CIRCULAR No. 148 (OCTOBER 2002)

NEW ORBITS

ADS RA 2000 DEC	Name n (deg)	P (yr) a (")	T i (deg)	e w (deg)	W(2000) Last ob.	2002 2003	Author
1232 01343-0827	A 314 3.6787	97.86 0.286	1989.23 119.1	0.632 220.9	8.0 1996.9009	15.7 0.257 14.1 0.272	LING
2111 02460-0457	BU 83 0.5673	634.52 1.342	2447.62 120.	0.173 339.5	136.2 1993.99	18.6 0.787 17.8 0.792	OLEVIC
2242 02572-2458	BU 741 AB 2.1898	164.40 1.274	1868.23 81.0	0.442 262.8	164.8 1999.779	338.4 1.06 338.9 1.07	SCARDIA
03494-1956	RST 2324 6.1037	58.98 0.196	1997.07 140.8	0.479 186.4	154.0 1993.097	250.8 0.107 237.8 0.116	OLEVIC
2799 03503+2535	STT 65 5.9416	60.59 0.437	1998.32 83.9	0.641 344.6	26.2 1999.8831	47.1 0.074 82.4 0.038	DOCOBO & LING
2811 03513+2621	A 1830 1.2974	277.47 0.256	1962.03 80.7	0.516 97.4	10.5 1995.932	195.9 0.204 196.2 0.204	OLEVIC
04093-2025	RST 2333 3.7763	95.33 0.398	2016.30 81.0	0.396 231.2	14.6 1993.098	184.5 0.242 185.9 0.253	OLEVIC
04163-6057	GLE 1 1.6477	218.49 0.598	1999.55 39.3	0.534 25.7	144.3 1999.784	178.5 0.256 184.4 0.253	OLEVIC
05248-5219	I 345 AB 5.3500	67.29 0.207	1999.66 121.8	0.611 57.2	1.6 1993.089	230.7 0.062 212.6 0.086	OLEVIC
5477 06485-1226	A 2935 3.5470	101.50 0.266	1991.73 130.6	0.295 84.5	143.4 1993.089	345.1 0.197 341.2 0.207	OLEVIC
06573-3530	I 65 21.4541	16.78 0.206	1992.49 36.3	0.443 250.1	120.0 1997.1172	198.3 0.238 210.4 0.228	DOCOBO & LING
5687 07003-2207	FIN 334 Aa 3.4116	105.52 0.129	2045.95 110.6	0.281 282.7	127.1 1993.0897	337.0 0.096 335.9 0.099	OLEVIC I
5687 07003-2207	FIN 334 Aa 0.9338	385.516 0.278	1958.16 107.3	0.568 1.9	121.9 1993.0897	340.9 0.101 339.3 0.106	OLEVIC II
5703 07013-0906	A 671 1.0017	359.41 0.523	2007.55 115.4	0.677 42.4	17.7 1993.0898	15.4 0.183 12.8 0.176	OLEVIC
07143-2621	FIN 323 1.4951	240.79 0.227	1972.43 73.7	0.644 48.4	152.0 1996.175	329.5 0.201 329.9 0.205	OLEVIC
11247-6139	BSO 5 0.9014	399.37 5.672	1918.37 49.5	0.668 17.9	75.1 1996.167	244.5 6.88 244.8 6.93	SCARDIA
11441-0448	RST 5524 6.7035	53.70 0.154	1982.09 58.9	0.462 333.3	0.1 1997.1317	151.4 0.167 153.9 0.175	MANTE
11441-0448	RST 5524 6.7566	53.28 0.150	1984.24 51.4	0.505 335.7	10.8 1997.1317	155.5 0.178 158.3 0.178	OLEVIC
	FIN 367 Aa	70.40	2022.74	0.697	154.4	18.4 0.166	OLEVIC

12064-6543	5.1135	0.185	115.9	278.9	1993.093	16.2	0.167	
	FIN 65	119.04	2065.33	0.474	60.8	107.1	0.206	OLEVIC
12446-5717	3.0242	0.273	113.3	115.4	1993.093	105.3	0.211	
	I 83	190.72	1920.95	0.766	73.3	230.5	0.86	SCARDIA
12567-4741	1.8876	0.523	41.7	336.3	1997.118	230.9	0.86	
	FIN 369	46.96	1992.38	0.067	44.8	66.0	0.165	OLEVIC
13320-6519	7.6669	0.185	52.2	311.1	1993.098	72.1	0.158	
	FIN 370	26.09	1967.07	0.106	101.1	185.1	0.129	OLEVIC
13574-6229	13.7962	0.177	133.2	142.6	1993.0984	168.3	0.136	
9158	STT 277 AB	337.20	2012.29	0.858	70.4	58.6	0.207	OLEVIC
14124+2843	1.0676	0.548	65.6	88.1	1997.1266	60.3	0.197	
	CHR 137	12.52	1991.48	0.622	26.3	352.4	0.058	OLEVIC
14189+5452	28.7481	0.081	118.2	185.9	1997.1320	304.6	0.027	
10279	STF 2118 AB	422.22	1838.91	0.143	68.3	67.8	1.16	SCARDIA
16564+6502	0.8526	1.044	96.0	216.2	2000.414	67.7	1.16	et al. (*)
	CHR 73	5.62	1991.04	0.881	48.8	234.4	0.081	OLEVIC
18323-1439	64.0342	0.167	97.5	278.8	1992.455	25.3	0.057	
	COU 2416	57.61	1996.31	0.541	128.5	99.1	0.168	DOCOBO
20151+3742	6.2489	0.234	33.9	229.0	1996.6986	106.7	0.187	& LING
	COU 2138	38.78	2015.46	0.001	171.6	189.1	0.196	MANTE
21593+4606	9.2831	0.212	126.3	97.1	2000.7644	182.9	0.205	
	COU 2138	39.69	2003.71	0.176	10.6	189.6	0.183	DOCOBO
21593+4606	9.0703	0.220	116.3	204.6	2000.7644	183.7	0.177	& LING
	KUI 112 Aa	50.91	1970.40	0.668	127.6	263.8	0.708	DOCOBO
22329 +5348	7.0713	0.489	34.1	298.9	1999.507	265.9	0.702	& LING
16650	HU 400	173.66	1881.16	0.310	46.2	96.7	0.36	SCARDIA
23176+1818	2.0731	0.409	130.8	76.3	2000.813	95.0	0.36	et al. (*)

(*) SCARDIA, PRIEUR, KOECHLIN and ARISTIDI

ANNOUNCEMENT

THE CATALOGUE OF THE COMPONENTS OF DOUBLE AND MULTIPLE STARS (CCDM) (SECOND EDITION - 2002)

A second edition of the CCDM has been released (under reference I-274) at the Centre de Données Astronomiques (CDS) at Strasbourg at the beginning of this year. A full description is at press in "OBSERVATIONS ET TRAVAUX" n° 54, pp.5-29 (*) - a bulletin of the SOCIÉTÉ ASTRONOMIQUE DE FRANCE - which will come out at the end of september.

This recent edition contains:

- * 171 astrometric systems
- * 43.753 double systems
- * 4.138 triple systems
- * 903 quadruple systems
- * 360 systems with more than four components

thus a total of nearly 50.000 systems, whereas the first edition published in 1994 - that served as data base for establishing Annexe 1 of the Hipparcos Input Catalogue (ESA SP 1136) - contained only 34.031 systems.

We should recall that, as in the case of the first edition, this catalogue gives the positions of the principal component and - when available - of all other individual ones of each system to an accuracy generally better than 1".

It contains all new systems discovered by the satellite and all new components discovered in known systems.

(*) May be ordered for 9 Euros at the Société Astronomique de France, 3, rue Beethoven, F - 75016 PARIS.

J.Dommanget & O.Nys

THE SURVEY OF THE DOUBLE STARS MEASUREMENTS DISCOVERED IN BELGRADE
WITH ZEISS REFRACTOR 65/1055 cm, (2002.5)

At the website "<http://www.aob.bg.ac.yu/staff/gpopovic/index.html>" all measurements of double and multiple stars discovered in Belgrade at Zeiss Refractor 65/1055 cm in the 1951 - 2002 (July, 1st) period are given.

The file was prepared by G.M. Popovic, R Pavlovic and I. Pakvor.

The size of database is about 320Kb and it can be downloaded.

G.M. Popovic and R. Pavlovic

IBEROAMERICA LEAGUE OF ASTRONOMY (LIADA) CIRCULAR

Since the Summer of 2001 the Iberoamerica League of Astronomy (LIADA) has a double star section which is formed only by amateurs. This section is headed by Francisco Rica (Merida -- Spain --) and has as principal objectives the astrometric realization and study (relative -- theta and rho -- and absolute -- AR, DEC and proper motions --) and photometry (JHKBV band) of neglected or unconfirmed visual double stars. Every three months the results are published in the section's circular in addition to other specialized journals (Webb Society circulars and The Double Star Observer). The results will be sent to Brian Mason (USNO) to be included in the WDS catalogue. The first circular, of 23 pages, was edited in March 2001 and includes the confirmation of 11 double stars, some of them not measured since 1820-1830. Six of the program double stars could not be confirmed. In astrometry 23 double stars were measured from a total of 155 individual measures averaged in 43 measurements. For astrometry, photographic plates were used from DSS and digitized images from 2MASS in addition to a 0.3 m telescope with CCD. The mean internal errors were 0.2 and 0.07. The B and V band photometry were made for 13 double stars. A brief study of all measured doubles showed the suspect physical nature of several of them, and also showed errors in WDS. A section with news on double stars close this circular.

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The deadline for contributions to Information Circular No. 149 is:

February 15th 2003

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