



Orbital elements of double stars: WDS 02193-0259 (JOY 1 Aa ADS 1778)

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Marco Scardia, Jean-Louis Prieur, Eric Aristidi, Bruno Lopez, François Mignard, et al.. Orbital elements of double stars: WDS 02193-0259 (JOY 1 Aa ADS 1778). 2001, pp.1. hal-00339971

HAL Id: hal-00339971

<https://hal.science/hal-00339971>

Submitted on 25 Nov 2019

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INTERNATIONAL ASTRONOMICAL UNION COMMISSION 26

(DOUBLE STARS)

INFORMATION CIRCULAR No. 145 (OCTOBER 2001)

NEW ORBITS

ADS α 2000 δ	Name n	P a	T i	e ω	Ω (2000) Last ob.	2001 2002	Authors
00090-5400	HDO 181 1°40'15"	256 ^y 86 0''585	1981.09 140°5'	0.514 23.3	152°6' 1991.7128	45°8' 0''310 42.6 0.319	SEYMOUR
588 00424+0410	STT 18 AB 0.9314	386.51 3.296	1828.13 75.3	0.834 284.3	76.5 1999.8884	204.4 1.896 204.8 1.907	HARTKOPF & MASON
746 00546+1911	STT 20 AB 1.0754	334.76 0.690	1904.02 130.0	0.277 150.4	120.3 2000.8304	192.0 0.517 190.9 0.521	DOCOBO & LING
795 00576+5424	HLD 4 AB 0.4568	788.16 0.948	1990.92 13.3	0.892 191.7	90.1 1996.6910	20.4 0.216 24.0 0.230	MANTE
1102 01218-2408	SEE 13 0.2352	1530.34 2.021	1846.51 67.2	0.900 148.1	207.0 1991.7157	174.5 1.203 174.6 1.210	HARTKOPF & MASON
1778 02193-0259	JOY 1 Aa 0.7231	497.88 0.800	2285.75 112.0	0.160 258.3	138.8 1998.657	106.7 0.56 106.1 0.55	SCARDIA et al. (*)
1992 02382+4604	A 1278 3.3998	105.89 0.527	1998.63 96.7	0.950 83.8	121.9 1996.6912	295.1 0.142 293.6 0.163	HARTKOPF & MASON
2028 02398+0009	A 1928 AB 20.0893	17.92 0.138	2009.17 45.1	0.463 354.1	58.9 1999.8177	239.4 0.201 245.5 0.195	DOCOBO & LING
02415+4053	COU 1511 16.2273	22.18 0.124	1988.64 147.0	0.474 287.0	217.2 1996.6912	97.7 0.158 90.3 0.157	HARTKOPF & MASON
2377 03127+7133	STT 50 AB 1.1611	310.06 1.010	2085.83 134.9	0.394 5.6	14.9 1998.931	156.3 1.02 155.5 1.01	SCARDIA et al. (**)
3114 04182+2248	STF 520 0.1.6203	222.18 0.581	1969.64 43.7	0.872 123.5	151.0 1998.09	73.0 0.488 73.8 0.498	HARTKOPF & MASON

NEW ORBITS (continuation)								
ADS α 2000 δ	Name n	P a	T i	e ω	Ω (2000) Last ob.	2001 2002	Authors	
5280 06393+4200	STT 150 AB 2.0715	173.79 0.234	1978.75 115.1	0.584 238.1	8.4 1996.175	10.8 0.207 9.9 0.213	DOCOBO & LING	
07324-3558	RST 4855 AB 4.4809	80.34 0.196	1991.60 50.0	0.797 198.8	25.3 1993.0927	12.3 0.184 14.2 0.197	MANTE	
6483 07573+0108	STT 185 6.2029	58.04 0.415	1943.35 76.4	0.782 67.1	188.0 1997.8303	198.0 0.078 338.4 0.046	HARTKOPF & MASON	
8189 11308+4117	STT 234 AB 4.1446	86.86 0.381	1967.85 56.6	0.356 209.8	156.2 2000.2310	160.4 0.493 161.6 0.495	DOCOBO & LING	
14077-4952	SLR 19 1.7774	202.54 1.150	1852.62 54.1	0.579 306.4	150.0 1998.159	316.2 1.44 316.7 1.44	SCARDIA	
9264 14267+1625	A 2069 8.5139	42.28 0.200	1977.48 126.2	0.403 27.3	54.4 1999.409	210.6 0.243 207.3 0.234	SCARDIA et al. (**)	
14593+4649	COU 1760 3.1768	113.32 0.261	1972.35 61.3	0.576 275.4	191.2 1996.415	233.1 0.212 235.0 0.211	SEYMOUR	
9975 16137+4638	A 1642 1.9087	188.61 0.719	1892.30 99.3	0.271 120.4	176.1 1997.4003	184.7 0.666 184.4 0.676	HARTKOPF & MASON	
16193-4240	SEE 271 5.3334	67.50 0.293	2049.59 45.8	0.788 82.5	215.2 1991.25	92.2 0.342 93.9 0.347	SEYMOUR	
16420+7353	MLR 198 10.7213	33.58 0.172	1994.05 131.8	0.623 19.3	215.4 1993.1976	48.3 0.200 44.5 0.217	HARTKOPF & MASON	
10229 16511+0924	STF 2106 0.2835	1270.02 1.398	1915.40 103.8	0.349 261.6	159.5 1999.385	174.5 0.692 174.2 0.699	SCARDIA et al. (**)	
17088+6543	STA 1 54.8279	6.57 0.096	1999.26 68.6	0.225 285.4	14.8 1994.7078	33.9 0.078 90.5 0.043	MANTE	
17308-3726	B 912 1.6674	215.88 0.416	1955.70 53.6	0.363 338.7	38.7 1991.25	138.2 0.259 140.5 0.263	HARTKOPF & MASON	
11296 18236-2610	HO 566 3.7867	95.07 0.351	1967.68 108.6	0.818 230.5	160.3 2001.553	144.9 0.471 144.6 0.471	LING	

NEW ORBITS (continuation)								
ADS α 2000 δ	Name n	P a	T i	e ω	Ω (2000) Last ob.	2001 2002	Authors	
12214 19155-2515	B 430 18.5517	19.41 0.130	1994.40 80.9	0.538 1.1	285.6 1991.7261	102.3 0.173 103.5 0.188	HARTKOPF & MASON	
12557 19316+1747	STF 2536 0.5353	672.50 1.975	2079.33 38.6	0.089 75.3	96.2 1997.682	117.0 1.78 117.5 1.78	SCARDIA	
20216+1930	COU 327 10.4408	34.48 0.156	1987.30 84.3	0.459 310.6	70.2 1994.7236	238.1 0.095 240.2 0.112	DOCOBO & LING	
20267-4334	I 1420 4.4172	81.50 0.457	1980.40 79.9	0.353 56.8	159.3 1991.3929	340.2 0.510 340.7 0.517	ZIRM	
13887 20289-1749	SHJ 323 AB 1.1433	314.87 2.100	1965.26 118.4	0.959 129.6	148.8 1999.784	194.8 1.38 194.5 1.41	SCARDIA	
13944 20311+1548	A 1675 7.2555	49.62 0.145	1947.75 109.4	0.568 60.2	142.6 1994.7025	335.2 0.080 330.1 0.100	HARTKOPF & MASON	
20330+4950	MCA 61 4.7536	75.73 0.084	1985.44 51.7	0.290 80.6	40.9 1998.665	225.9 0.084 228.7 0.085	SCARDIA et al. (**)	
14585 21028+4551	BU 1138 AB 1.1462	314.09 0.260	2003.29 96.4	0.500 302.8	181.7 1985.8398	195.9 0.054 193.7 0.062	HARTKOPF & MASON	
21551-3148	I 1449 4.3426	82.90 0.360	1968.80 109.5	0.730 281.0	31.1 1991.25	296.3 0.201 293.1 0.204	ZIRM I	
21551-3148	I 1449 3.9604	90.90 0.248	2003.70 129.4	0.648 73.8	108.6 1991.25	97.7 0.104 84.4 0.085	ZIRM II	
16539 23088+1058	A 1238 AB 4.9840	72.23 0.247	1963.18 153.3	0.280 147.8	117.0 1999.869	141.7 0.309 138.9 0.309	SCARDIA et al. (**)	
17105 23561+2520	A 426 1.9665	183.06 0.342	1890.21 132.1	0.330 300.6	95.0 1999.7117	303.4 0.390 302.4 0.392	HARTKOPF & MASON	

(*) SCARDIA, PRIEUR, ARISTIDI, LOPEZ, MIGNARD and CARBILLET

(**) SCARDIA, PRIEUR, KOECHLIN and ARISTIDI

NOTES

- Errata in Information Circular No. 144
 - In the entry for WDS 03591+0948 (HU 27), the value of ω should be 236.1, not 263.1.
 - In the entry for WDS 04475+4324 (A 1544 AB), the value of n should be 4.6869, not 0.4.6869.
 - In the entry for MLR 314, the WDS number should be 05372+6642, not 05372+4148.
 - In the entry for WDS 16128+3922 (STF 2028), the ADS number should be 9970, not A 9970.
 - The entry for WDS 18068-4325 (HJ 5014) duplicates the same entry in Information Circular No. 143.
 - The entry for WDS 18236-2610 (HO 566) should immediately follow the entry for WDS 16193-4240 (SEE 271).
 - The internet address of the Ramón María Aller Observatory Catalogue of Orbits and Ephemerides of Visual Double Stars is: <http://www.usc.es/astro/catalog.htm>
- Others papers on double stars published in 2000
 - COURTOT, J. F., ARGYLE, R. W. and SKIFF, B.A.: *Micrometric measures of Double Stars from 1998.0 to 2000.0*. The Webb Society Double Star Section, Circular No. 8 (2000).
 - FABRICIUS, C. & MAKAROV, V. V.: *Hipparcos astrometry for 257 stars using Tycho data*. Astron. Astrophys. **144**, 45 (2000).

The deadline for contributions to Information Circular No. 146 is:

February 15th 2002

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ISSN: 1024-7769