



HAL
open science

Orbital elements of double stars: ADS 713, 9378, 9836 and BSO 13 AB

Marco Scardia, Jean-Louis Prieur, Luigi Pansecchi, Robert W. Argyle

► **To cite this version:**

Marco Scardia, Jean-Louis Prieur, Luigi Pansecchi, Robert W. Argyle. Orbital elements of double stars: ADS 713, 9378, 9836 and BSO 13 AB. 2013, pp.1. hal-02384189

HAL Id: hal-02384189

<https://hal.science/hal-02384189>

Submitted on 28 Nov 2019

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

INTERNATIONAL ASTRONOMICAL UNION COMMISSION 26

(DOUBLE STARS)

INFORMATION CIRCULAR No. 181 (OCTOBER 2013)

NEW ORBITS

ADS α 2000 δ	Name n	P a	T i	e ω	Ω (2000) Last ob.	2013 2014	Author(s)
- 00126-1142	RST 3343 1°9166	187 ^y 8 0''277	2058.25 42°0	0.164 272°5	88°9 2008.6059	259°2 0''279 260.6 0.278	DOCOBO & LING
713 00521 -1314	HU 201 2.7929	128.9 0.542	1932.97 44.1	0.688 160.0	124.6 2008.770	118.4 0.872 119.0 0.868	SCARDIA et al. (*)
- 01129+5136	HDS 160 7.7313	46.56 0.192	2029.98 66.2	0.408 239.2	27.0 2010.0100	99.0 0.108 108.6 0.103	CVETKOVIC
1339 01417-1119	STF 147 0.5738	627. 2.50	2014.7 82.0	0.919 174.7	86.9 2012.921	254.7 0.138 262.4 0.184	RICA
6776 08231+2001	HO 525 AB 0.3850	935. 0.84	1967. 39.1	0.70 115.7	144.9 2012.230	347.2 0.422 348.0 0.426	RICA
8196 11317+1422	STF1547 0.1043	3453. 16.25	1228. 58.	0.20 100.	138. 2013.296	331.1 15.405 331.2 15.402	HARTKOPF & MASON
11560+3520	CHR 258 26.6058	13.53 0.143	2010.54 135.1	0.165 9.90	302.5 2007.01	207.1 0.097 172.9 0.117	GRIFFIN & MASON
8739 13007+5622	BU 1082 3.4623	104.0 1.214	1921.34 49.5	0.416 112.7	93.2 2011.408	109.4 0.945 113.0 0.893	DOCOBO & CAMPO
9378 14455 +4223	STT 285 AB 4.0482	88.93 0.327	2060.82 166.6	0.525 171.3	71.4 2013.462	84.7 0.496 83.3 0.497	SCARDIA et al. (*)
- 15379+5005	HDS 2203 13.6816	26.31 0.230	2013.88 80.8	0.372 297.8	117.2 2010.4730	27.1 0.003 102.5 0.078	CVETKOVIC
9763 15440+0231	A 2230AB 0.6808	528.79 5.037	1939.76 144.5	0.146 129.5	210.7 2013.49	19.5 4.590 18.8 4.593	GATEWOOD & MASON

NEW ORBITS (continuation)

ADS α 2000 δ	Name n	P a	T i	e ω	Ω (2000) Last ob.	2013 2014	Author(s)
— 15465+1957	COU 66 1.5277	235.7 0.87	2028.2 160.7	0.464 118.4	143.8 0.000	89.7 0.540 86.3 0.528	RICA
9836 15557 -2645	I 977 1.3115	274.5 0.754	1968.88 65.8	0.364 29.7	102.9 2010.585	256.6 0.497 257.7 0.512	SCARDIA et al. (*) (I)
9836 15557 -2645	I 977 0.4409	816.6 1.616	1967.58 69.7	0.706 20.4	107.5 2010.585	255.8 0.525 256.8 0.542	SCARDIA et al. (*) (II)
- 17031-5314	HDS2412Aa,Ab 8.7130	41.32 0.589	1999.45 133.8	0.622 94.1	73.6 2012.3540	185.2 0.630 181.1 0.639	CVETKOVIC
- 17176+1025	HDS 2445 4.6679	77.12 0.332	2004.47 100.9	0.402 93.6	82.9 2010.4784	263.5 0.264 262.3 0.276	CVETKOVIC
- 17191 -4638	BSO 13 AB 0.3778	953.0 13.341	1907.5 40.5	0.825 329.7	137.3 2010.629	257.2 10.267 257.4 10.338	SCARDIA et al. (*)
17294-3831	B 342 0.2913	1236. 1.38	2016. 73.	0.68 38.	103. 2008.54	112.9 0.384 113.7 0.375	HARTKOPF & HARSHAW
17335+5734	MLR 571 5.0594	71.15 0.128	2007.05 144.1	0.374 0.7	203.1 2009.45	143.9 0.080 134.3 0.082	GRIFFIN & MASON
10977 18015-1014	BU 47 0.8914	403.9 1.209	2013. 54.	0.478 339.8	85.3 2009.71	73.9 0.609 75.7 0.616	HARTKOPF & HARSHAW
18488-1836	KUI 88 0.3957	909.7 0.598	1865. 124.	0.341 232.	137.8 2003.64	155.9 0.503 155.6 0.506	HARTKOPF & HARSHAW
11837 18550+3053	A 258 0.2661	1353. 1.52	2007. 97.	0.67 32.	247. 2007.61	240.5 0.372 240.1 0.363	HARTKOPF & HARSHAW
19264+4928	YSC 134 788.091	0.4568 0.0270	2013.8054 139.8	0.1393 238.8	201.6 2012.574	217.1 0.027 170.5 0.028	DOCOBO et al. (**)
19027+4307	YSC 13 30.158	11.937 0.094	2014.324 44.4	0.761 267.3	41.4 2012.571	183.3 0.073 226.6 0.035	DOCOBO et al. (***)
12104 19083+5520	D 19AB 0.1260	2858. 2.95	1903. 100.	0.73 162.	190. 2009.74	343.8 0.477 343.2 0.471	HARTKOPF & HARSHAW

NEW ORBITS (continuation)

ADS α 2000 δ	Name n	P a	T i	e ω	Ω (2000) Last ob.	2013 2014	Author(s)
- 19089+3404	COU 1462 15.5373	23.17 0.315	1993.93 83.8	0.692 273.3	38.4 2009.4306	211.3 0.240 213.3 0.240	DOCOBO & LING
13148 19556+5226	YR 2Aa,Ab 6.6567	54.08 0.141	2016.9 113.	0.484 259.9	216.7 2010.47	33.3 0.093 27.2 0.080	HARTKOPF & HARSHAW
13418 20080+4204	A 383 0.7947	453.0 0.478	2318.9 115.	0.678 94.	251. 2008.55	9.8 0.343 9.3 0.343	HARTKOPF & HARSHAW
- 20151+3742	COU 2416 6.3291	56.88 0.223	1995.77 37.8	0.477 248.7	95.7 2009.7583	127.0 0.270 130.0 0.273	DOCOBO & LING
- 20374+7536	HEI 7 11.7494	30.64 0.469	1996.75 34.4	0.629 46.9	26.4 2007.328	251.0 0.687 254.6 0.673	DOCOBO & ANDRADE
14638 21072-1355	STF2752AB 0.7091	507.7 3.876	2124.1 54.	0.450 349.9	335.5 2000.38	183.0 3.623 183.4 3.592	HARTKOPF & HARSHAW
15530 21597+4907	HU 774 4.2076	85.56 0.138	2046.06 20.8	0.528 254.2	98.8 2008.639	188.5 0.190 190.3 0.188	DOCOBO & ANDRADE
22134-3729	B 2056 4.3579	82.6 0.209	2016.4 114.	0.026 336.	155.8 2013.74	174.1 0.167 171.4 0.174	HARTKOPF & HARSHAW
22268-4537	HU 1334 0.8884	405.2 0.551	1976.0 149.	0.643 349.0	342.3 2008.54	242.5 0.354 241.1 0.360	HARTKOPF & HARSHAW

(*) SCARDIA, PRIEUR, PANSECCHI & ARGYLE

(**) DOCOBO, CAMPO, ANDRADE & HORCH

(***) DOCOBO, CAMPO & HORCH