INTERNATIONAL ASTRONOMICAL UNION

COMMISSION G1 (BINARY AND MULTIPLE STAR SYSTEMS)

DOUBLE STARS INFORMATION CIRCULAR No. 191 (FEBRUARY 2017)

NEW ORBITS

ADS α2000δ	Name n	P a	T i	e ω	Ω(2000) Last ob.	2017 2018	Author(s)
371	HU 1007AB	420$''$93	2016.54	0.336	80°3	99°0 0$''$394	MILES &
00283+6344	0°8552	0$''$674	59°1	32°6	2009.7550	100.3 0.389	MASON
597	A 2205	165.05	1961.42	0.776	126.8	3.0 0.375	MILES &
00429+2047	0.3207	0.281	138.9	309.2	2010.8837	2.4 0.378	MASON
993	A 1260AB	137.17	2029.43	0.489	242.2	64.3 0.206	MILES &
01131+2942	2.6245	0.288	78.1	274.3	2009.7261	65.2 0.196	MASON
-	MCY 2	18.12	1993.63	0.434	205.0	230.3 0.268	MILES &
01418+4237	19.8675	0.631	98.8	144.3	2002.7773	220.6 0.419	MASON
1371	BU 453AB	663.7	1953.71	0.689	14.5	110.7 0.799	SCARDIA
01450+5707	0.5424	1.204	32.5	336.5	2017.048	111.4 0.807	et al. (*)
1630	STT 38BC	62.63	1951.98	0.874	103.2	138.4 0.065	DOCOBO
02039+4220	5.7480	0.317	104.8	163.4	2010.086	128.1 0.106	& LING
-	A 2219	345.58	1948.58	0.906	155.0	146.4 0.462	MILES &
02379+2003	1.0417	0.331	132.5	208.1	2015.7436	146.2 0.466	MASON
2446	SEE 23	118.16	1934.24	0.030	271.6	111.6 0.270	MILES &
03184-2231	3.0466	0.340	66.6	333.5	2016.9591	113.5 0.259	MASON
3093	STF 518BC	224.28	1847.21	0.444	151.4	331.1 8.098	MILES &
04153-0739	1.6051	6.977	107.0	315.0	2016.1310	330.8 8.024	MASON
-	SMN 11AB	114.3	1996.55	0.303	160.1	324.6 0.121	DOCOBO
04295+2617	3.1496	0.146	65.8	46.4	2014.0680	326.3 0.126	et al (**)
-	MLR 314	52.43	1985.23	0.574	155.8	293.5 0.254	DOCOBO
05373+6642	6.8658	0.259	60.5	285.5	2005.109	296.3 0.258	& CAMPO

NEW ORBITS (continuation)

ADS α2000δ	Name n	P a	T i	e ω	Ω(2000) Last ob.	2017 2018	Author(s)
5193	HU 43	150.96	1978.83	0.856	138.4	309.5 0.892	MILES &
06336-1207	2.3847	0.610	65.0	354.9	2010.0656	309.8 0.904	MASON
5332	A 218	162.91	1888.93	0.076	218.8	31.2 0.230	MILES &
06418+3041	2.2098	0.239	120.7	280.1	2008.1040	30.0 0.228	MASON
6548	A 1073	114.26	1971.68	0.554	149.4	131.4 0.359	MILES &
08050+5825	3.1507	0.250	134.5	218.0	2009.0627	130.5 0.359	MASON
6828	A 551AB	54.40	2002.13	0.442	62.6	62.1 0.352	DOCOBO
08285-0231	6.6177	0.289	84.1	214.4	2014.3028	62.5 0.363	& LING
-	MTG 2	5.016	2013.894	0.404	116.2	358.6 0.136	MASON &
09156-1036	71.7706	0.181	120.9	264.6	2016.9647	311.4 0.164	HARTKOPF
7580	I 843AB	188.36	1875.30	0.591	204.7	121.0 0.852	MILES &
09551-2632	1.9112	1.013	130.7	232.5	2011.0371	119.6 0.841	MASON
8231	STF 1555AB	1730.	2023.2	0.778	149.8	150.2 0.683	DOCOBO
11363+2747	0.2081	3.042	86.1	22.4	2015.192	150.4 0.676	& LING
8508	A 2059	244.8	2040.96	0.677	61.1	41.4 0.442	LING
12194+1744	1.4706	0.647	60.1	82.2	2016.257	42.6 0.437	et al (***)
8573	BU 28AB	145.20	1943.95	0.703	92.8	347.4 2.108	DOCOBO
12301-1324	2.4793	1.376	26.7	75.9	2015.0292	348.1 2.107	& CAMPO
8573	BU 28AB	150.94	1946.09	0.702	112.8	347.3 2.144	MILES &
12301-1324	2.3851	1.395	29.9	60.9	2016.3890	347.9 2.143	MASON
9220	A 1102	243.71	1926.31	0.355	259.5	79.9 0.475	MILES &
14179+6914	1.4772	0.367	135.4	23.6	2008.4611	79.3 0.476	MASON
-	MLR 347	20.19	1979.62	0.505	44.5	134.2 0.113	MILES &
15258+8430	17.8306	0.131	158.3	23.5	2008.4611	110.8 0.093	MASON
9689	SEE 238Ba,Bb	61.13	1999.03	0.711	231.5	135.5 0.294	MILES &
15332-2429	5.8891	0.255	39.8	104.8	2015.3355	137.9 0.300	MASON

Note for WDS 09156-1036 : Mass(a) = 0.121 $\pm$ 0.012 $M_{\odot}$, Mass(b) = 0.091 $\pm$ 0.009$M_{\odot}$

NEW ORBITS (continuation)

ADS α**2000**δ	**Name** **n**	**P** **a**	**T** **i**	**e** ω	Ω**(2000)** **Last ob.**	**2017** **2018**	**Author(s)**
10595	HU 177	220.41	1987.21	0.541	179.5	174.3 0.263	MILES &
17305-1446	1.6356	0.293	156.3	252.6	2015.5409	172.8 0.268	MASON
-	B 915AB	170.46	2141.79	0.142	140.1	321.3 0.279	MILES &
17375-3747	2.1119	0.269	57.7	70.1	2011.2893	322.3 0.280	MASON
10971	A 1374AB	139.53	1995.81	0.806	249.0	32.7 0.502	MILES &
18003+2154	2.5801	0.504	136.7	76.0	2015.5408	31.6 0.513	MASON
-	B 1352	123.84	2039.29	0.450	240.0	216.1 0.230	MILES &
18108-3529	2.9070	0.257	51.4	81.9	2015.5410	218.1 0.229	MASON
11296	HO 566	119.87	1968.65	0.784	154.1	143.0 0.534	MILES &
18236-2610	3.0033	0.376	105.2	223.7	2010.5909	142.8 0.533	MASON
-	RST 4036	7.67	1995.05	0.273	197.6	30.4 0.195	MILES &
19167-4553	46.9361	0.230	126.4	238.8	2015.5410	340.2 0.129	MASON
14759	BU 270AB	106.78	1931.26	0.646	166.7	344.5 0.475	MILES &
21135+0713	3.3714	0.407	102.7	331.8	2008.7723	344.1 0.459	MASON
16904	CHR 149Ba,Bb	25.40	1998.61	0.301	267.5	358.2 0.039	MILES &
23393+4543	14.1732	0.049	135.4	39.5	2005.8602	342.6 0.038	MASON

(*) SCARDIA, PRIEUR, PANSECCHI, ARGYLE, LING, ZANUTTA, ARISTIDI, ABE, BENDJOYA, COMBIER-DIMUR, RIVET, SUAREZ & VERNET
(**) DOCOBO, TAMAZIAN & CAMPO
(***) LING, SCARDIA, PRIEUR, PANSECCHI, ARGYLE, ZANUTTA, ARISTIDI, ABE, BENDJOYA, COMBIER-DIMUR, RIVET, SUAREZ & VERNET

NEW DOUBLE STARS

Discovered by: Marco Scardia using the speckle camera PISCO attached to the Epsilon telescope of the Calern Observatory

STAR	Coord. FK5 J2000	Mag.	Epoch	θ (°)	ρ (″)
SCA 176	03 57 53.2 +51 41 56.6	11.4 12.1	2016.948	76.8	8.185
SCA 177	06 25 42.7 +16 25 21.8	12.6 13.2	2017.068	33.2	3.342
SCA 178	06 25 48.7 +16 25 42.1	12.6 12.7	2017.082	20.7	3.066

NEW DOUBLE STARS

Discovered by A. Debackère using LCOGT global telescope network.

- FTN : Faulkes Telescope North T2m, Haleakala, Hawaii, LCOGT
- FTS : Faulkes Telescope South T2m, Siding Spring, Australia, LCOGT
- V37 : T1m, McDonald Observatory, Fort Davis, Texas, USA, LCOGT

STAR	Precise Coord	UCAC4 USNO-B1.0 *GAIA*	Mag.	Epoch	θ (°)	ρ (″)	Obs
DBR 199	230510.34+511354.3	707-110300	16.8 17.2	2016.787	357.3	2.49	1V37
DBR 200	230348.74+511403.2	707-110078	16.5 18.0	2016.787	172.1	2.55	1V37
DBR 201	230519.86+510843.3	706-111288	16.7 17.0	2016.787	136.7	1.73	1V37
DBR 202	230455.23+510840.1	1411-0477395	17.7 17.8	2016.787	357.0	1.77	1V37
DBR 203	230348.49+511104.1	706-111021	15.8 16.9	2016.787	312.2	4.06	1V37
DBR 204 A (1)	232154.53+483824.9	694-123869	11.4	2016.809	241.4	7.86	2FTN
C	232153.83+483821.2		15.0				
DBR 205	235341.94+141320.4	522-145312	14.3 18.7	2016.829	108.2	5.31	1FTN
DBR 206	005054.75-722433.0	088-001526	17.0 18.9	2016.842	175.2	2.54	1FTS
DBR 207	005057.71-722909.3	0175-0024903	18.2 18.4	2016.842	297.1	2.26	1FTS
DBR 208	005100.40-722338.5	089-001758	16.2 19.1	2016.842	87.4	3.18	1FTS
DBR 209 A	005100.62-722919.5	*1996217763-000014*	18.3	2016.842	145.1	3.18	1FTS
B	005101.03-722922.2	*1996217763-000019*	19.4				

(1) The first component of TDT 3998 AB (neglected) has a companion not indexed in the WDS which I called DBR 204 AC.

NEW DOUBLE STARS

Discovered by: A. Debackère using LCOGT global telescope network.
(continuation)

STAR	Precise Coord	UCAC4 USNO-B1.0 *GAIA*	Mag.	Epoch	θ (°)	ρ (″)	Obs
DBR 209 A	005100.62-722919.5	*199621763-000014*	18.3	2016.842	237.1	1.73	1FTS
C	005100.32-722920.3	*non identified*	19.8				
DBR 210	005102.06-723047.6	088-001542	15.9 16.8	2016.842	78.7	3.86	1FTS
DBR 211	005103.78-722717.3	088-001545	17.0 18.4	2016.842	10.3	1.09	1FTS
DBR 212 A	005107.72-722640.0	0175-0025229	16.9	2016.842	38.3	4.347	1FTS
B	005108.33-722636.6	088-001556	17.3				
DBR 213	005107.97-722620.7	088-001553	16.8 17.5	2016.842	279.3	2.22	1FTS
DBR 214 A	005107.98-722630.7	*199619913-000034*	16.9	2016.842	280.3	2.27	1FTS
B	005107.51-722630.3	*199619913-000026*	17.4				
DBR 215	005108.53-722620.6	NOMAD 0175-0025277	18.5 18.9	2016.842	86.9	2.36	1FTS
DBR 216	005109.59-722918.5	088-001558	16.2 18.0	2016.842	331.5	3.48	1FTS
DBR 217	005111.98-722141.1	0176-0027361	16.7 17.7	2016.842	353.2	2.75	1FTS
DBR 218	005112.72-723050.8	0174-0028166	17.2 18.0	2016.842	285.3	3.50	1FTS
DBR 219	005114.43-722656.7	088-001568	15.7 17.6	2016.842	14.6	2.06	1FTS
DBR 220	005117.41-722532.7	088-001572	16.7 18.1	2016.842	37.0	3.94	1FTS
DBR 221	005122.19-722540.0	088-001586	17.2 17.5	2016.842	31.5	1.84	1FTS
DBR 222	005128.73-722310.0	089-001802	16.5 17.1	2016.842	354.3	1.03	1FTS
DBR 223	005131.70-722145.0	089-001810	16.9 19.1	2016.842	35.3	1.49	1FTS
DBR 224	005131.70-722532.1	088-001610	14.1 15.7	2016.842	128.4	3.09	1FTS
DBR 225	005141.09-722204.6	089-001827	17.8 17.9	2016.842	65.9	1.81	1FTS
DBR 226	005144.16-722146.4	0176-0028452	18.3 18.7	2016.842	109.7	1.70	1FTS
DBR 227 A	005144.32-722932.4	088-001634	17.1	2016.842	279.0	6.00	1FTS
B	005142.99-722931.3	088-001633	17.2				
DBR 227 A	005144.32-722932.4	088-001634	17.1	2016.842	336.2	16.1	1FTS
C	005144.19-722931.0	*199620355-000003*	18.0				
DBR 228	005144.69-722325.8	0176-0028475	17.4 18.5	2016.842	5.8	2.57	1FTS
DBR 229	005153.24-722715.7	088-001656	16.2 17.7	2016.842	108.1	3.34	1FTS
DBR 230	005156.81-722701.6	0175-0027014	17.2 19.0	2016.842	306.8	1.15	1FTS
DBR 231	005157.81-722609.4	0175-0027044	16.5 16.9	2016.842	219.9	3.34	1FTS
DBR 232	005203.74-722730.9	088-001683	16.6 17.5	2016.842	132.2	4.23	1FTS
DBR 233	005207.41-722125.6	089-001870	15.2 16.9	2016.842	300.8	1.92	1FTS
DBR 234	005210.68-722311.1	089-001877	16.0 17.2	2016.842	209.9	1.24	1FTS
DBR 235	005213.62-722338.8	089-001881	15.9 17.2	2016.842	179.6	1.46	1FTS

NEW DOUBLE STARS

Discovered by: A. Debackère using LCOGT global telescope network.
(continuation)

STAR	Precise Coord	UCAC4 USNO-B1.0 *GAIA*	Mag.	Epoch	θ (°)	ρ (″)	Obs
DBR 236	005214.53-722331.0	089-001883	15.5 15.9	2016.842	153.1	1.90	1FTS
DBR 237	005214.56-722332.2	089-001883	15.7 15.8	2016.842	351.5	1.75	1FTS
DBR 238	005220.14-723033.1	088-001730	15.6 16.5	2016.842	358.4	1.34	1FTS
DBR 239	005226.58-722328.9	089-001896	15.6 16.5	2016.842	137.8	1.28	1FTS
DBR 240	005231.97-722525.9	088-001766	16.3 16.9	2016.842	49.5	2.37	1FTS
DBR 241	005233.27-722350.4	089-001909	13.5 17.3	2016.842	309.2	2.49	1FTS
DBR 242	062338.67+263712.3	584-028737	12.6 18.0	2016.927	50.8	4.24	2FTN
DBR 243	062123.39+264513.0	584-028148	15.0 17.6	2016.929	341.4	1.56	3FTN

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The deadline for contributions to Information Circular No. 192 is:

June 15th 2017

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ISSN: 1024-7769