INTERNATIONAL ASTRONOMICAL UNION

COMMISSION G1 (BINARY AND MULTIPLE STAR SYSTEMS)

DOUBLE STARS INFORMATION CIRCULAR No. 205 (OCTOBER 2021)

NEW ORBITS

WDS HIP	Name ADS	P(yr) σ_P	T(yr) σ_T	e σ_e	a(″) σ_a	i(°) σ_i	Ω(°) σ_Ω	ω(°) σ_ω	2021 2022	Author(s) Last obs.
00324+0657	MCA 1	27.50	1989.00	0.810	0.159	110.8	105.8	14.3	290.9 0.185	J & M
2548	449	0.05	0.11	0.025	0.002	2.3	0.8	2.3	289.1 0.210	2021.5657
01450+5707	BU 453 AB	576.4	1953.80	0.657	1.098	31.4	18.6	332.7	114.3 0.820	S et al.
8166	1371	166.1	0.43	0.071	0.086	4.2	9.1	9.0	115.0 0.828	2020.634
01559+0151	STF 186	167.4	1893.6	0.721	1.043	74.4	220.0	44.0	75.8 0.618	J & M
8998	1538	3.2	3.2	0.061	0.037	2.6	0.7	3.7	77.0 0.596	2021.5658
01570+3101	A 819 AB	138.6	2010.80	0.546	0.421	48.8	154.1	186.8	62.8 0.181	S et al.
9087	1548	3.7	0.41	0.006	0.026	2.3	1.5	2.3	70.1 0.190	2020.675
02572+0153	A 2413	126.9	1930.5	0.458	0.658	71.2	184.8	102.6	168.6 0.642	J & M
13773	2236	3.0	3.8	0.051	0.023	1.9	0.9	6.1	169.4 0.647	2019.0830
04182+2248	STF 520	237.0	1972.44	0.859	0.520	21.0	144.3	136.2	83.1 0.689	J & M
3114	–	...	...	...	...	...	...	...	83.5 0.696	2019.0920
04227+1503	STT 82	246.9	1892.78	0.277	1.170	137.8	197.0	56.7	324.1 1.209	J & M
20440	3169	...	...	...	...	...	...	...	323.2 1.203	2018.0630
04400+5328	STF 566	203.9	2020.47	0.932	3.079	100.4	148.2	78.9	337.1 0.211	J & M
–	3358	...	...	...	...	...	...	...	327.8 0.514	2016.0601
05069-2135	DON 93	116.6	2005.8	0.293	1.287	139.3	93.3	280.3	94.9 1.107	J & M
–	–	1.6	1.3	0.008	0.018	2.2	3.8	2.6	91.9 1.128	2020.8237
05584-0439	A 322	547.7	2081.00	0.478	3.151	52.5	185.3	320.1	38.7 2.026	J, G & M
–	4557	...	...	...	...	...	...	...	39.6 1.995	2015.5000
06227-2751	B 697	53.6	1999.5	0.114	0.251	32.	198.	288.	275.9 0.236	J & M
–	–	2.2	6.2	0.040	0.043	23.	46.	76.	282.3 0.236	2020.8372

NEW ORBITS (continuation)

WDS HIP	Name ADS	P(yr) σ_P	T(yr) σ_T	e σ_e	a(″) σ_a	i(°) σ_i	Ω(°) σ_Ω	ω(°) σ_ω	2021 2022	Author(s) Last obs.
06290+2013	BU 1192	103.9	1979.70	0.453	0.168	127.0	139.3	36.8	306.4 0.227	J & M
–	5103	1.5	0.75	0.029	0.007	5.4	5.2	7.3	305.4 0.227	2020.9274
07380-3208	B 1554	113.8	1984.2	0.254	0.288	68.7	150.3	356.7	310.6 0.252	J & M
37145	–	5.0	3.3	0.031	0.011	4.2	2.2	4.4	312.0 0.261	2018.0836
08427+0935	ST 8	123.76	1925.36	0.617	2.664	106.5	180.5	260.5	31.2 1.673	J, G & M
–	–	0.50	0.62	0.009	0.031	0.8	0.8	3.6	29.6 1.702	2019.9474
09521+5404	STT 208	106.35	1987.37	0.445	0.337	22.2	138.9	25.6	314.5 0.438	J & M
48402	7545	0.68	0.05	0.002	0.002	0.4	1.8	1.4	316.1 0.443	2019.1252
11272-1539	HU 462	48.45	1959.8	0.098	0.465	164.3	157.	15.1	34.7 0.461	J & M
–	8166	0.74	1.3	0.012	0.006	3.9	11.	6.4	27.5 0.468	2021.1577
11486+1417	BU 603	133.8	1937.8	0.90	1.03	121.	253.	93.	276.9 1.065	J & M
57606	8311	5.8	9.3	0.57	0.31	114.	24.	49.	276.7 1.073	2019.3798
13198+4747	HU 644	49.34	1968.13	0.209	1.546	94.4	90.9	72.9	281.7 0.487	J & M
65026	8862	0.20	0.42	0.000	0.005	0.1	0.1	2.1	277.9 0.702	2019.0577
13235+2914	HO 260	296.6	1883.70	0.666	1.682	69.6	298.7	305.7	89.6 1.696	J & M
65343	8887	...	...	...	...	...	...	...	89.9 1.708	2019.2704
14330+0656	YSC 6	560.	2005.7	0.984	6.253	86.6	54.8	289.0	150.1 0.174	D & C
71142		80.	2.3	0.015	0.400	1.5	2.0	3.0	158.3 0.186	2016.4919
14489+0557	STF1883	245.8	1964.23	0.641	0.839	106.7	98.9	39.2	277.0 1.069	J & M
72447	9392	...	...	...	...	...	...	...	276.8 1.077	2021.1631
15122-1948	B 2351	23.507	1971.039	0.244	0.129	154.4	173.8	340.1	127.1 0.106	J & M
74392	9532	0.030	0.083	0.003	0.001	1.1	2.6	3.1	107.8 0.110	2021.5675
16079+1425	A 1798	298.0	2049.91	0.303	0.241	128.7	140.2	220.4	334.4 0.184	D & C
79034	9931	15.0	0.40	0.016	0.006	2.0	2.0	2.0	333.1 0.184	2016.4921
17372+2754	KUI 83	24.100	1961.171	0.214	0.290	164.9	328.2	17.2	135.6 0.351	J & M
–	–	0.019	0.035	0.002	0.001	1.0	3.8	3.8	126.0 0.350	2008.5450
18402+3822	HDS 2644	23.53	2024.11	0.181	0.100	142.2	116.6	359.9	176.6 0.075	D & C
91552		0.27	0.20	0.005	0.005	2.0	2.0	4.0	155.8 0.077	2016.4978

NEW ORBITS (continuation)

WDS HIP	Name ADS	P(yr) σ_P	T(yr) σ_T	e σ_e	a(″) σ_a	i(°) σ_i	Ω(°) σ_Ω	ω(°) σ_ω	2021 2022	Author(s) Last obs.
19487+3519	STT 387	165.0	1870.9	0.058	0.641	131.8	154.4	105.	95.2 0.440	J & M
97477	12972	1.9	6.6	0.002	0.004	0.8	0.7	12.	92.0 0.433	2018.6560
20198+4522	STT 406	112.16	1915.57	0.855	0.300	141.2	124.0	184.4	80.5 0.173	S et al.
100241	13723	0.76	0.47	0.019	0.019	6.4	6.9	8.6	76.1 0.152	2021.551
20306+1349	HDS 2932	31.65	2006.25	0.859	0.121	63.7	175.9	305.6	322.4 0.150	D & C
101181		1.30	0.05	0.003	0.005	1.5	1.0	1.0	324.0 0.154	2016.4898
20444+1945	CAR 2	14.73	2019.17	0.599	0.280	129.5	81.8	247.7	78.9 0.246	D & C
102357		0.20	0.20	0.003	0.002	0.5	1.0	1.0	66.0 0.301	2016.4926
20550+2805	BU 367 AB	104.02	1934.61	0.277	0.410	68.2	119.9	185.8	218.6 0.144	S et al.
103247	14424	0.16	0.33	0.002	0.024	0.4	0.5	1.4	228.5 0.146	2021.573
21125+2821	HO 152	202.0	2014.66	0.504	0.377	70.3	131.0	44.0	197.7 0.073	D & C
104701	14748	15.0	0.60	0.025	0.010	1.5	1.5	5.0	212.3 0.070	2016.4927
21137+6424	H 1 48	82.76	2002.16	0.733	0.572	82.5	64.7	28.2	245.0 0.774	J & M
–	14783	0.60	0.07	0.006	0.003	0.3	0.1	0.5	245.2 0.793	2019.7500
23568+0444	A 2100	89.33	1990.75	0.761	0.270	159.0	111.5	54.9	251.4 0.428	J & M
118054	17111	0.93	0.052	0.003	0.001	2.0	3.7	4.0	250.4 0.432	2019.8563

S et al. = SCARDIA, PRIEUR, PANSECCHI, LING, ARGYLE, ARISTIDI, ZANUTTA, ABE, BENDJOYA, RIVET, VERNET & MACCARINI
J & M = JOSTIES & MASON
J, G & M = JOSTIES, GREAVES & MASON
D & C = DOCOBO & CAMPO

NEW DOUBLE STARS

Discovered by André Debackère using LCO global telescope network.

- FTN : Faulkes Telescope North T2m, Haleakala, Hawaii, LCO

STAR	Precise Coord	GAIA-DR2	G Mag.	Plx e-plx	pmRA e-pmRA	pmDE e-pmDE	Epoch	θ (°)	ρ (″)	Obs
DBR 324 A	230452.635+121615.25	2814760800878264704	10.95	8.9085	-69.188	76.578	2020.547	198.60	3.746	1FTN (1)
				0.0914	0.126	0.089				
B	230452.545+121611.63	2814760796584541952	14.75	8.8898	-63.745	69.128				
				0.0823	0.102	0.061				
DBR 325 A	232306.547+584327.30	2010473645803386624	13.57	0.3232	-3.241	-2.996	2020.528	147.86	1.325	1FTN
				0.0196	0.032	0.026				
B	232306.699+584325.66	2010473645803386496	14.78	0.3060	-3.501	-3.239				
				0.0361	0.059	0.046				

(1) in NGC 7479 field

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 (″)	**Notes**
SCA 200 AB	19 47 50.00 +26 11 55.3	13.8 - 14.2	2020.636	139.3	3.22	near BRT 201
SCA 201 AB,C	19 46 22.68 +24 37 48.1	10.2 - 12.5	2021.543	12.1	3.37	AB is TDT 1727
SCA 202 AB	19 46 20.75 +24 36 47.2	12.4 - 12.8	2021.545	93.0	3.24	near TDT 1727
SCA 203 AB,C	19 46 33.97 +10 22 40.4	10.1 - 13.0	2021.546	37.0	3.35	AB is J 150
SCA 203 AB,D	19 46 33.97 +10 22 40.4	10.1 - 14.0	2021.546	27.1	5.25	AB is J 150
SCA 204 AB,C	17 48 50.77 +29 17 42.2	10.9 - 12.8	2021.551	92.2	1.61	AB is TDS 884
SCA 204 AB,D	17 48 50.77 +29 17 42.2	10.9 - 13.3	2021.551	47.2	0.92	AB is TDS 884

NOTE

The complete collection of all of the Circulars is available on the website:
`https://www.usc.gal/astro/circularing.html`

The Editors

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The deadline for contributions to Information Circular No. 206 is:

February 15th 2022

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