

INTERNATIONAL ASTRONOMICAL UNION  
 COMMISSION G1 (BINARY AND MULTIPLE STAR SYSTEMS)  
 DOUBLE STARS INFORMATION CIRCULAR No. 211 (OCTOBER 2023)

NEW ORBITS

WDS HIP	Name ADS	P(yr)	T(yr)	e	a(")	i(°)	Ω(°)	ω(°)	2023	Author(s) Last obs.	
		$\sigma_P$	$\sigma_T$	$\sigma_e$	$\sigma_a$	$\sigma_i$	$\sigma_\Omega$	$\sigma_\omega$	2024		
14567-6247 73129	FIN 372 –	38.01 0.75	2032.38 0.30	0.311 0.016	0.094 0.003	138.9 1.0	35.0 1.5	241.8 2.5	268.5 259.9	0.084 0.083	D et al. 2023.1793
15071-0217 73982	A 689 9504	63.80 0.80	1987.71 0.50	0.375 0.004	0.265 0.004	93.8 1.0	145.2 1.5	352.0 2.5	325.1 324.9	0.361 0.359	D et al. 2023.5704
15351-4110 76297	HJ 4786 –	201.40 13.50	2092.03 7.00	0.630 0.015	0.642 0.010	96.6 1.5	91.0 1.5	131.4 4.0	95.0 94.9	0.832 0.833	D et al. 2023.5702
15548-6554 77921	NZO 65 –	120.65 7.35	2012.13 0.25	0.518 0.020	0.670 0.006	84.8 1.0	124.3 1.5	229.8 2.0	119.7 120.4	0.362 0.403	D et al. 2022.1982
16589-3737 83100	SEE 315 –	38.66 0.55	2024.55 0.50	0.150 0.010	0.179 0.001	33.8 3.0	61.0 8.0	296.6 10.0	339.3 354.2	0.128 0.130	D et al. 2023.1797
17104-1544 84012	BU 1118 AB 10374	87.76 1.10	2024.47 0.15	0.942 0.021	1.307 0.105	95.6 1.0	39.2 1.0	275.3 1.0	223.4 219.6	0.321 0.174	D et al. 2023.5704
17400-0038 86463	BU 631 10696	165.03 10.00	1978.25 0.20	0.805 0.003	0.219 0.004	159.9 5.0	30.9 8.0	148.3 6.0	77.5 76.9	0.326 0.329	D et al. 2022.4438
17471-3807 87042	I 1336 –	36.69 0.55	2017.13 0.35	0.586 0.003	0.132 0.002	42.4 1.0	13.5 1.5	11.3 2.0	160.0 166.3	0.119 0.135	D et al. 2023.3243
18594-1250 93225	KUI 89 –	81.85 0.90	1993.28 0.10	0.500 0.006	0.227 0.003	29.8 1.5	33.7 3.0	337.7 2.0	175.7 177.5	0.303 0.308	D et al. 2023.5706
19172-6640 94789	GLE 3 –	164.04 3.00	1951.04 0.20	0.587 0.004	0.555 0.004	52.6 1.0	86.4 1.0	97.7 2.0	357.3 358.5	0.529 0.531	D et al. 2018.2554

**NEW ORBITS (continuation)**

<b>WDS</b>	<b>Name</b>	<b>P(yr)</b>	<b>T(yr)</b>	<b>e</b>	<b>a(")</b>	<b>i(°)</b>	<b>Ω(°)</b>	<b>ω(°)</b>	<b>2023</b>	<b>Author(s)</b>	
<b>HIP</b>	<b>ADS</b>	$\sigma_P$	$\sigma_T$	$\sigma_e$	$\sigma_a$	$\sigma_i$	$\sigma_\Omega$	$\sigma_\omega$	<b>2024</b>	<b>Last obs.</b>	
19253-2431	FIN 327	5.6985	2023.9455	0.7099	0.0664	93.02	80.15	354.19	258.2	0.063	D et al.
95477	–	0.0015	0.0010	0.0033	0.0003	0.50	0.55	0.75	78.9	0.019	2023.5706
19356+4002	A 1400	858.6	1967.105	0.677	0.824	51.6	163.5	217.4	133.9	0.430	S et al.
96371	12662	...	...	...	...	...	...	...	134.6	0.437	2023.675
20325-1637	SEE 512	78.75	2028.81	0.022	0.271	98.5	127.9	43.7	125.5	0.256	D et al.
101357	13961	1.25	5.15	0.005	0.002	1.0	2.0	30.0	124.7	0.249	2023.5707

D et al. = DOCOBO, CAMPO, MÉNDEZ & COSTA

S et al. = SCARDIA, PRIEUR, LING, PANSECCHI, ARGYLE, ARISTIDI, PICCOTTI,  
MACCARINI, ABE, BENDJOYA, RIVET & VERNET

**NEW DOUBLE STARS**

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

<b>STAR</b>	<b>Coord. FK5 J2000</b>	<b>Mag.</b>	<b>Epoch</b>	$\theta$	$\rho$	<b>Notes</b>
			(Julian)	(°)	(")	
SCA 209 AB,C	19 41 21.19 +08 12 40.6	10.7 - 13.0	2023.681	31.4	4.36	AB is HEI 814
SCA 209 AB,D	19 41 21.19 +08 12 40.6	10.7 - 13.8	2023.684	12.8	3.71	AB is HEI 814

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The deadline for contributions to Information Circular No. 212 is:

February 15th 2024

**J. A. Docobo** (joseangel.docobo@usc.es) [1,2]

Tel: +34 881 815 016

[1] Observatorio Astronómico R. M. Aller  
P. O. Box 197  
<http://www.usc.es/astro>  
Universidade de Santiago de Compostela  
SPAIN

[2] Real Academia de Ciencias de Zaragoza  
Facultad de Ciencias  
C/ Pedro Cerbuna, 12  
50009 Zaragoza  
SPAIN

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**ISSN:** 1024-7769