

INTERNATIONAL ASTRONOMICAL UNION

COMMISSION G1 (BINARY AND MULTIPLE STAR SYSTEMS)

DOUBLE STARS INFORMATION CIRCULAR No. 216 (JUNE 2025)

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	2025 2026	Author(s) Last obs.	
03189-0101 15430	BU 1177 2464	375.1 ± 25.0	1921.5 ± 0.5	0.390 ± 0.016	0.540 ± 0.014	128.4 ± 1.0	23.6 ± 1.0	62.5 ± 1.5	191.0 0.619 190.6 0.620	D et al. 2023.0065	
03596-1019 18655	HU 29 2921	117.14 ± 3.16	2057.28 ± 1.50	0.966 ± 0.010	0.236 ± 0.004	53.7 ± 3.0	147.5 ± 5.0	332.0 ± 10.0	314.0 0.384 314.2 0.379	D et al. 2023.0065	
04215-2055 20342	B 1935 –	21.21 ± 0.11	2023.34 ± 0.15	0.491 ± 0.004	0.2344 ± 0.0005	157.20 ± 1.0	60.50 ± 3.0	132.30 ± 4.0	213.5 0.157 188.2 0.188	D et al. 2024.1561	
06380-6132 31711	I 5 –	253.31 ± 20.70	2034.62 ± 4.30	0.276 ± 0.005	2.170 ± 0.005	93.4 ± 1.0	91.3 ± 1.0	342.2 ± 10.0	94.4 1.183 94.2 1.224	D et al. 2024.1562	
15036-2751 73674	HJ 4727AB 9488	13460 ± 300	3495.0 ± 4.0	0.12 ± 0.05	13.71 ± 0.30	62.6 ± 1.5	174.5 ± 1.5	115.9 ± 1.5	221.5 7.244 221.6 7.240	D et al. (*) 2016.0000	
21579-5500 108431	FIN 307 –	12.156 ± 0.090	2006.452 ± 1.205	0.005 ± 0.003	0.173 ± 0.002	75.2 ± 0.5	95.0 ± 0.5	34.2 ± 10.8	288.6 0.130 314.5 0.067	D et al. 2020.8364	

D et al. = Docobo, Campo, Piccotti, Méndez & Costa
D et al. (*) = Docobo, Campo, Piccotti & Rodríguez-Moris

NEW DOUBLE STARS

Discovered by M. Scardia using PISCO and the Epsilon telescope in Calern.

STAR Id.	Precise Coord (2000) RA DE	mag	Epoch	ρ (")	θ (°)	Obs
SCA 210 Aa,Ab	04h 07m 34.35s +38° 04' 28".3	-	J.Ep. 2018.960	0.20	171.6	AB is STT 531
SCA 211 AC	23h 44m 30.14s +54° 49' 08".7	10.2 - 11.0	J.Ep. 2017.682	0.24	123.2	AB is MLR 622
SCA 211 AD	23h 44m 30.14s +54° 49' 08".7	10.2 - 11.5	J.Ep. 2017.682	0.24	54.9	AB is MLR 622
SCA 211 AE	23h 44m 30.14s +54° 49' 08".7	10.2 - 11.5	J.Ep. 2017.682	0.45	154.6	AB is MLR 622
SCA 212 AC	18h 57m 34.03s +32° 09' 20".2	9.2 - 12.0	J.Ep. 2019.640	5.31	332.1	AB is A 260
SCA 212 AD	18h 57m 34.03s +32° 09' 20".2	9.2 - 12.5	J.Ep. 2019.640	5.35	341.5	AB is A 260
SCA 213 AC	15h 22m 15.44s +42° 02' 49".5	11.1 - 13.5	J.Ep. 2019.462	2.82	239.2	AB is COU 1440
SCA 213 BC	15h 22m 15.44s +42° 02' 49".5	12.1 - 13.5	J.Ep. 2019.462	3.30	224.4	AB is COU 1440
SCA 214 AF	06h 19m 45.23s +22° 06' 38".8	9.0 - 13.0	J.Ep. 2018.103	4.33	57.9	AB is AG 323
SCA 215 AC	04h 37m 48.20s +44° 41' 48".7	8.7 - 12.5	J.Ep. 2019.119	3.39	96.4	AB is A 1010
SCA 215 BC	04h 37m 48.20s +44° 41' 48".7	9.5 - 12.5	J.Ep. 2019.119	3.61	104.0	AB is A 1010

The deadline for contributions to Information Circular No. 217 is:

October 15th 2025

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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