

49 Double Stars with "6th Magnitude Components" for Finding one's Personal Dawes' Limit

SORTED BY separation in 2016.0 column

DOUBLE STAR MEASUREMENTS**2016.0** (6th CatOrb) **2018.0** (6th CatOrb)

or latest WDS

	CON	SAO #	NAME	RA	DEC	Other Notes	Δ mag	Mag 1	Mag 2	sep • PA • year	sep • PA • year
1	CET	129277	BU 1163	01 24.3	-06 55		0.4	6.6	7.0	0.35 • 211 • 2016	0.28 • 208 • 2018
2	VIR	181357	BU 341	13 03.8	-20 35		0.3	6.2	6.5	0.39 • 131 • 2016	0.31 • 130 • 2018
3	ERI	169455	BU 311	04 26.9	-24 05		0.3	6.8	7.1	0.44 • 157 • 2016	0.43 • 159 • 2018
4	AQR	146067	51 Aqr, BU 172	22 24.1	-04 50	C, D & E all 10 @ 54, 123, 130"	0.2	6.4	6.6	0.47 • 030 • 2016	0.48 • 028 • 2018
5	ARI	075723	52 Ari	03 05.4	+25 15	STF 346; C = 10.8 @ 4.7"	0.0	6.2	6.2	0.50 • 258 • 2016	0.51 • 258 • 2018
6	PEG	073341	72 Peg	23 34.0	+31 20	BU 720	0.4	5.7	6.1	0.57 • 105 • 2016	0.58 • 106 • 2018
7	LEO	081893	STF 1555	11 36.3	+27 47		0.4	6.4	6.8	0.67 • 150 • 2016	0.65 • 151 • 2018
8	ORI	112535	STT 517	05 13.5	+01 58		0.2	6.8	7.0	0.69 • 241 • 2016	0.70 • 241 • 2018
9	OPH	141702	STF 2173	17 30.4	-01 04		0.1	6.1	6.2	0.69 • 144 • 2016	0.52 • 138 • 2018
10	CEN	222863	I 78, HR 4453	11 33.6	-40 35		0.1	6.1	6.2	0.7 • 099 • 1998	na (WDS listing)
11	OPH	122950	STF 2244	17 57.7	00 04		0.3	6.6	6.9	0.7 • 279 • 2013	na
12	CET	110235	STF 186	01 55.9	+01 51		0.0	6.8	6.8	0.73 • 071 • 2016	0.69 • 073 • 2018
13	CET	166418	BU 395	00 37.3	-24 46		0.4	6.2	6.6	0.75 • 113 • 2016	0.60 • 119 • 2018
14	TAU	075999	7 Tau, STF 412	03 34.4	+24 28		0.3	6.6	6.9	0.75 • 351 • 2016	0.76 • 351 • 2018
15	HER	086224	STT 359	18 35.5	+23 36		0.3	6.3	6.6	0.75 • 004 • 2016	0.75 • 004 • 2018
16	SCL	192690	Lambda 1 Scl	00 42.7	-38 28	HDO 182	0.4	6.6	7.0	0.8 • 023 • 2010	na
17	TAU	111469	31 TAU, KUI 15	03 52.0	+0632		0.3	6.3	6.6	0.8 • 204 • 2012	na
18	CMI	115773	STF 1126	07 40.1	+05 14	12' east of Procyon	0.4	6.6	7.0	0.84 • 177 • 2016	0.83 • 178 • 2018
19	VUL	088098	16 Vul	20 02.0	+24 56	STT 395; a mag 5.9 * 9' to SW	0.4	5.8	6.2	0.85 • 127 • 2016	0.85 • 127 • 2018
20	CYG	049899	STT 410	20 39.6	+40 35	C=8.7 @ 69", D=10.0 @ 106"	0.1	6.7	6.8	0.87 • 004 • 2016	0.87 • 004 • 2018
21	CEP	004048	STF 2	00 09.3	+79 43		0.2	6.7	6.9	0.91 • 015 • 2016	0.92 • 015 • 2018
22	LYN	061411	STF 1338	09 21.0	+38 11		0.4	6.7	7.1	1.0 • 315 • 2016	1.0 • 318 • 2018
23	CEN	204955	HWE 28	13 53.5	-35 40	E = 8.6 @ 67"	0.1	6.3	6.4	1.0 • 315 • 2016	1.0 • 316 • 2018
24	OPH	184822	24 Oph	16 56.8	-23 09	BU 1117	0.1	6.2	6.3	1.0 • 300 • 2012	na
25	AND	074359	36 And	00 55.0	+23 38	STF 73	0.4	6.1	6.5	1.1 • 330 • 2016	1.1 • 332 • 2018
26	TAU	077322	STF 749	05 37.1	+26 55	C = 10.5 @ 178"	0.0	6.5	6.5	1.2 • 320 • 2016	1.2 • 319 • 2018
27	ORI	113150	52 Ori	05 48.0	+06 27	STF 795	0.0	6.0	6.0	1.2 • 222 • 2012	na
28	SCL	166083	Kappa 1 Scl	00 09.4	-27 59	BU 391	0.1	6.1	6.2	1.3 • 258 • 2016	1.3 • 258 • 2018
29	AQR	165078	53 Aqr	22 26.6	-16 45	SHJ 345	0.1	6.3	6.4	1.3 • 065 • 2016	1.3 • 073 • 2018
30	CNC	061125	57 Cnc	08 54.2	+30 35	STF 1291; C = 9.2 @ 55"	0.3	6.1	6.4	1.5 • 312 • 2013	na
31	HER	103886	STT 358	18 35.9	+16 59		0.2	6.9	7.1	1.5 • 146 • 2016	1.5 • 145 • 2018
32	AQL	105282	52 Aql, pi Aql	19 48.7	+11 49	STF 2583	0.4	6.3	6.7	1.5 • 105 • 2014	na
33	AUR	057704	STF 644	05 10.3	+37 18		0.2	6.8	7.0	1.6 • 221 • 2014	na
34	CRA	228708	HJ 5014	18 06.8	-43 25		0.0	5.7	5.7	1.7 • 359 • 2016	1.7 • 359 • 2018
35	LYN	061387	STF 1333	09 18.4	+35 22		0.1	6.6	6.7	1.9 • 050 • 2014	na
36	ERI	216019	HJ 3527	02 43.3	-40 32		0.3	6.9	7.2	2.3 • 040 • 2013	na
37	SER	123886	STF 2375	18 45.5	+05 30	both stars are close 0.1" pairs	0.4	6.3	6.7	2.4 • 122 • 2014	na
38	AND	073656	STF 3050	23 59.5	+33 43		0.2	6.5	6.7	2.4 • 340 • 2016	2.4 • 341 • 2018
39	DRA	030239	Mu Dra	17 05.3	+54 28	STF 2130	0.0	5.7	5.7	2.5 • 002 • 2016	2.6 • 000 • 2018
40	AQL	125566	STF 2644	20 12.6	+00 52		0.2	6.9	7.1	2.5 • 205 • 2012	na
41	BOO	045231	39 Boo	14 49.7	+48 43	STF 1890	0.4	6.3	6.7	2.6 • 046 • 2013	na
42	ORI	132060	WNC 2	05 23.9	-00 52	Mag 2 is 0.1" pair in 2016	0.1	6.9	7.0	3.1 • 158 • 2016	3.1 • 158 • 2018
43	VIR	157798	54 Vir	13 13.4	-18 50	SHU 161	0.4	6.8	7.2	4.0 • 035 • 2013	na
44	HYA	136408	17 Hya	08 55.5	-07 58	STF 1295	0.2	6.7	6.9	4.1 • 004 • 2014	na
45	LYN	026144	STF 1009	07 05.7	+52 45		0.1	6.9	7.0	4.2 • 148 • 2013	na
46	PSC	074295	65 Psc	00 49.9	+27 43	STF 61	0.0	6.3	6.3	4.5 • 115 • 2014	na
47	LYN	025963	STF 958	06 48.2	+55 42	C = 7.9 @ 96"	0.0	6.3	6.3	4.6 • 077 • 2014	na
48	CNC	080187	Phi2 Cnc	08 26.8	+26 56	STF 1223	0.0	6.2	6.2	5.1 • 218 • 2014	na
49	CRV	157448	STF 1669	12 41.3	-13 01	two 10 mag c's @ 60"	0.0	5.9	5.9	5.2 • 314 • 2013	na

SOURCES: The Washington Double Star Catalog (WDS) and Sixth Catalog of Orbits; maintained by the U.S. Naval Observatory; available

- 1 The doubles are all north of about Declination -40
- 2 The primary component is between magnitude 5.7 and 6.9
- 3 The secondary is 0.0 to 0.4 magnitude fainter than the primary (ie, the delta magnitude is 0.4 or less)
- 4 The separations are from 0.4" to 5.2"