

Starland Revisited

Olcott's ID	Olcott #	Correct ID	Constellation	Secondary ID	Star Pair	Pri. Mag	Sec. Mag	Sep.	Pos. angle	Spectrum	RA (2000)	Dec (2000)
Spring												
P. 2												
iota	1		Cancer	Σ 1268		4.03	6.58	30.6"	307°	G7.5IIIa	08h 46.7m	+28° 46'
Σ 1223 (note)	2		Cancer	phi ²		6.30	6.35	5"	217°	A3V A6V	08h 26.8m	+26° 56'
upsilon ¹ (note)	3	24	Cancer	Σ 1224	A-BC	6.51	7.38	5.4"	50°	F0V F7V	08h 26.7m	+24° 32'
zeta	4		Cancer	Σ 1196	AB-C	5.05	6.20	6"	73°	G0V	08h 12.2m	+17° 39'
Σ1311	5		Cancer		AB	6.39	6.76	7.6"	198°	F4V F5V	09h 07.4m	+22° 59'
theta	6		Cancer	HJ 2452	AB	5.35	10.00	70.4"	62°	K5III	08h 31.6m	+18° 06'
66	7		Cancer	Σ 1298	AB	5.89	8.68	4.4"	135°	A2V	09h 01.4m	+32° 15'
phi ² (note)	8		Cancer	Σ 1223		6.30	6.35	5"	217°	A3V A6V	08h 26.8m	+26° 56'
64	9		Cancer	SHJ 100	AB	5.2	9.40	88.3"	296°	G8III	08h 59.5m	+32° 25'
93 (note)	10	OΣΣ 93	Lynx	S 565	AB	6.2	8.48	83.4"	175°	K5III	08h 24.7m	+42° 00'
Σ 1245	11		Hydra		AB	5.91	7.25	10.2"	25°	F8V G5V	08h 35.8m	+06° 37'
14	12		Canis Minor	SHJ 87	AB	5.29	8.50	98.6"	83°	K0III	07h 58.3m	+02° 13'
					AC	5.4	9.40	132.1"	148°			
P. 4												
zeta	13		Corona Borealis	Σ 1965	AB	4.64	5.60	6.1"	305°	B7V B9V	15h 39.4m	+36° 38'
sigma	14		Corona Borealis	Σ 2032	AB	5.23	6.26	6.7"	235°	G0V G1V	16h 14.7m	+33° 52'
lambda	15		Corona Borealis	H VI 94	AB	5.45	10.00	90.8"	67°	F0IV	15h 55.8m	+37° 57'
Σ1964	16		Corona Borealis		AC	7.70	7.60	15.2"	86°	F5	15h 38.2m	+36° 15'
P. 6												
delta	17		Corvus	SHJ 145		2.95	8.47	24.3"	215°	B9.5V	12h 29.9m	-16° 31'
Σ1669	18		Corvus		AB	5.17	5.19	5.2"	313°	F5V F5V	12h 41.3m	-13° 01'
Σ1530	19		Crater		AB	7.91	8.33	7.6"	313°	F2	11h 19.7m	-06° 54'
H376	20		Hydra (note)	N (H III 96)		4.92	5.00	9.5"	210°	F8V F8V	11h 32.3m	-29° 16'
P. 8												
nu	21		Draco	Σ 35 App 1		4.86	4.89	61.7"	311°	A4m A6V	17h 32.2m	+55° 11'
psi	22		Draco	Σ 2241	AB	4.57	5.81	30.1"	16°	F5IV F8V	17h 41.9m	+72° 09'
40,41	23		Draco	Σ 2308	AB	5.74	6.11	19.3"	233°	F7V F7V	18h 00.2m	+80° 00'
39	24		Draco	Σ 2323	AB	4.98	7.98	3.7"	349°	A1V	18h 23.9m	+58° 48'
					AC	5.10	7.90	88.6"	19°			
17 (16,17)	25		Draco	Σ 278 Σ 30 App 1	AB	5.07	6.20	3.2"	106°	B9.5V	16h 36.2m	+52° 55'
					AC	5.07	5.53	88.9"	193°	B9.5V		
omicron	26		Draco	Σ 2420	AB	4.66	7.90	36.1"	320°	G7III-IV	18h 51.2m	+59° 23'
epsilon	27		Draco	Σ 2603		3.84	6.84	3.4"	18°	G7IIIb	19h 48.2m	+70° 16'
iota	28		Draco	BUP 162		3.29	9.20	254.7"	50°	K2III	15h 24.9m	+58° 58'

gamma	29		Draco	Bur 633	AF	2.40	11.20	127.2"	118°	K5III	17h 56.6m	+51° 29'
Σ1984	30		Draco		AB	6.74	8.97	6.5"	281°	A1V	15h 51.1m	+52° 54'
Σ2604	31		Draco			6.76	9.06	27.8"	183°	G5	19h 52.8m	+64° 11'
Σ2573	32		Draco			6.49	9.10	18.2"	27°	A5V	19h 40.2m	+60° 30'
ΟΣΣ 123	33		Draco		AB	6.64	7.01	69.6"	148°	F0	13h 27.1m	+64° 44'
Σ2348	34		Draco		AB-C	5.35	8.81	25.6"	270°	F0	18h 33.9m	+52° 21'
mu	35		Draco	Σ 2130	AB	4.91	5.00	2.3"	20° (note)	F7V	17h 05.3m	+54° 28'

P. 10

alpha	36		Hercules	Σ 2140	Aa-B	2.78	5.12	4.7"	105°	M5Ib-II	17h 14.6m	+14° 23'
delta	37		Hercules	Σ 3127	Aa-B	3.14	8.30	10.9"	276°	A3IV	17h 15.0m	+24° 50'
gamma	38		Hercules	SHJ 227	AB	3.75	9.58	42.3"	229°	A9III	16h 21.9m	+19° 09'
rho	39		Hercules	Σ 2161	Aa-B	4.15	5.09	4.2"	317°	B9.5III	17h 23.7m	+37° 09'
95	40		Hercules	Σ 2264		4.26	4.64	6.3"	256°	A5III n	18h 01.5m	+21° 36'
kappa	41		Hercules	Σ 2010	AB	5.50	6.25	27.1"	12°	G7III	16h 08.1m	+17° 03'
Σ2101	42		Hercules		AB	7.33	9.52	4.1"	49°	F6V	16h 46.0m	+35° 38'
Σ2104	43		Hercules			7.21	8.72	5.8"	21°	F2V	16h 48.7m	+35° 56'
mu	44		Hercules	Σ 2220	A-BC	3.42	9.78	35.5"	249°	G5IV	17h 46.5m	+27° 43'
100	45		Hercules	Σ 2280	Aa-B	5.79	5.83	14.3"	183°	A3V	18h 07.8m	+26° 06'
83 (note)	46	Σ 2194	Hercules			6.37	9.21	16.3"	7°	K4III	17h 41.1m	+24° 31'
Σ2007	47		Serpens (note)		AB	6.8	8.00	37.8"	322°	G8III	16h 06.0m	+13° 19'
Σ2190	48		Hercules			6.11	9.67	10.4"	22°	A7IV	17h 36.0m	+21° 00'
23 (note)	49		Corona Borealis	H V 38	AB	6.4	9.75	31.9"	17°	A4Vn	16h 22.9m	+32° 20'
Σ2063	50		Hercules			5.61	8.69	16.1"	195°	A2V	16h 31.8m	+45° 36'
Σ2277	51		Hercules		AB	6.26	9.04	26.8"	126°	A1V	18h 03.1m	+48° 28'

P. 12

gamma	52		Leo	Σ 1424	AB	2.01	3.16	4.5"	125°	K0III	10h 20.0m	+19° 50'
tau	53		Leo	Σ 19 App 1	AB	5.05	7.47	89.7"	180°	G8II-III	11h 27.9m	+02° 51'
54	54		Leo	Σ 1487		4.30	6.25	6.6"	111°	A1V A2Vn	10h 55.6m	+24° 45'
93	55		Leo	STF 7 App 2	AB	4.59	9.03	74.5"	356°	A7V+G5III	11h 48.0m	+20° 13'
90	56		Leo	Σ 1552	AB	6.30	7.06	3.4"	209°	B4V	11h 34.7m	+16° 48'
					AC	6.30	8.80	62.9"	234°	F5		
6	57		Leo	SHJ 107		5.09	9.56	37.8"	74°	K3III	09h 32.0m	+09° 43'
7	58		Leo	H V 58		6.33	9.48	41.3"	83°	A1V	09h 35.9m	+14° 23'
88	59		Leo	Σ 1547		6.27	9.05	15.9"	330°	G0IV	11h 31.7m	+14° 22'

P. 14

epsilon ¹	60		Lyra	Σ 2382	AB	4.67	5.81	2.5"	351° (note)	A4V F1V	18h 44.3m	+39° 40'
epsilon ²	61		Lyra	Σ 2383	Cc-D	4.59	4.80	2.4"	83°	A8Vn F0Vn	18h 44.3m	+39° 40'
zeta	62		Lyra	Σ 38 App 1	AD	4.34	5.73	43.9"	149°	F0IVv	18h 44.8m	+37° 36'
beta	63		Lyra	Σ 39 App 1	AB	3.63	6.69	46.3"	148°	B7Ve+A8p	18h 50.1m	+33° 22'
				Bur 293	AE	3.40	9.90	66.9"	317°	B7V+A8		
					AF	3.40	9.90	85.8"	19°			
eta	64		Lyra	Σ 2487	AB	4.38	8.58	27.9"	82°	B2.5IV	19h 13.8m	+39° 09'
theta	65		Lyra	SHJ 292	AB	4.36	9.20	100.2"	74°	K0II	19h 16.4m	+38° 08'

P. 16

gamma	66		Virgo	Σ 1670	AB	2.74	2.79	1.6" (note)	264°	F0V F0V	12h 41.7m	-01° 27'
Σ1669	67		Corvus (note)		AB	5.17	5.19	5.2"	313°	F5V F5V	12h 41.3m	-13° 01'
tau	68		Virgo	SHJ 171	AB	4.26	9.48	81.3"	290°	A3V	14h 01.6m	+01° 33'
Σ1627	69		Virgo			6.57	7.08	20"	196°	F2V F3V	12h 18.2m	-03° 57'
Σ1682	70		Virgo		AB	6.50	9.78	28.8"	298°	G8III	12h 51.4m	-10° 20'
theta	71		Virgo	STF 1724	Aa-B	4.38	8.00	6.5"	347°	A1IV+A	13h 09.9m	-05° 32'
				H III 50	BC	9.40	10.40	65.8"	295°			

Summer

P. 20

pi	72		Bootes	Σ 1864	AB	4.48	5.55	5.6"	109°	B9pMnHg	14h 40.7m	+16° 25'
delta	73		Bootes	Σ 27 App 1		3.46	7.80	103.7"	78°	G8IIICN-1	15h 15m.5	+33° 19'
mu	74		Bootes	Σ 28 App 1	Aa-BC	4.31	6.51	109.1"	171°	F2IVa G0V	15h 24.5m	+37° 23'
44	75		Bootes	Σ 1909		4.83	5.60	2.0"	53° (note)	G0V	15h 03.8m	+47° 39'
39	76		Bootes	Σ 1890		5.68	6.04	2.7"	46°	F6V+F5V	14h 49.7m	+48° 43'
iota	77		Bootes	Σ 26 App 1	AB	4.76	7.39	38.9"	33°	A7IV K0V	14h 16.2m	+51° 22'
kappa	78		Bootes	Σ 1821		4.53	6.62	14.0"	237°	A7V F1V	14h 13.5m	+51° 47'
Σ1919	79		Serpens (note)			6.69	7.71	23.4"	11°	G1V G5V	15h 12.7m	+19° 17'
Σ1850	80		Bootes			7.12	7.62	25.7"	262°	A1V A1V	14h 28.6m	+28° 17'
Σ1835	81		Bootes		A-BC	4.86	6.86	6.1"	194°	A0V F2V	14h 23.4m	+08° 27'
xi	82		Bootes	Σ 1888	AB	4.54	6.81	6.8"	320° (note)	G8V K5V	14h 51.4m	+19° 06'
epsilon	83		Bootes	Σ 1877	AB	2.34	4.54	2.6"	341°	K0II-III	14h 45.0m	+27° 04'

P. 22

alpha	84		Canes Venatici	Σ 1692		2.89	5.61	18.8"	230°	A0pSiEuHg	12h 56.0m	+38° 19'
2	85		Canes Venatici	Σ 1622		5.69	8.64	12.1"	263°	M1III+F7V	12h 16.1m	+40° 40'
Σ1615	86		Coma Berenices -	(note)		6.86	8.81	26.8"	88°	K1III F8V	12h 14.1m	+32° 47'
15 (note)	87	17	Canes Venatici	Σ 24 App 1		5.91	6.25	277.4"	297°	A9IV	13h 10.1m	+38° 30'

24	88		Coma Berenices	Σ 1657		5.03	6.57	20.6"	270°	K2III	12h 35.1m	+18° 23'
12	89		Coma Berenices	SHJ 143	AC	4.81	8.55	65.3"	167°	G0III-IV+A3V	12h 22.5m	+25° 51'
17	90		Coma Berenices	Σ 21 App1	AB	5.29	6.63	145.2"	250°	A0p	12h 28.9m	+25° 55'
35	91		Coma Berenices	Σ 1687	AC	5.00	9.76	28.8"	126°	G7III	12h 53.3m	+21° 15'
2	92		Coma Berenices	Σ 1596		5.89	7.30	3.7"	236° (note)	F0IV-V	12h 04.3m	+21° 28'
Σ1678	93		Coma Berenices			7.22	7.72	36.3"	173°	B8V	12h 45.4m	+14° 22'
32	94		Coma Berenices	Σ 23 App 1	AB	6.32	6.93	196.1"	51°	M0III	12h 52.2m	+17° 04'

P. 24

iota	95		Libra	H VI 44	Aa-B	4.53	9.82	56.9"	112°	B9IV	15h 12.2m	-19° 48'
P. 212 (note)	96		Libra	H N 28	AB	5.79	7.95	25"	304°	K5Ve M2V	14h 57.5m	-21° 25'
Σ1962	97		Libra			6.45	6.56	11.9"	189°	F8V F8V	15h 38.7m	-08° 47'
H4783 (note)	98		Libra	S 672		6.28	8.97	11.2"	280°	A8V	15h 31.7m	-20° 10'
54	99		Hydra	H III 97		5.15	7.22	8.3"	123°	F2V	14h 46.0m	-25° 27'

P. 26

67	100		Ophiuchus	H VI 2	AC	3.96	8.12	54.6"	142°	B5I	18h 00.6m	+02° 56'
36	101		Ophiuchus	SHJ 243	AB	4.33	4.34	4.7"	148°	K0V K1V	17h 15.3m	-26° 36'
tau	102		Ophiuchus	Σ 2262	AB	4.77	5.44	1.7"	282°	F4IV F5V	18h 03.1m	-08° 11'
					AC	5.30	11.28	100.3"	126°			
39	103		Ophiuchus	H III 25		5.14	6.59	10.2"	355°	G8III	17h 18.0m	-24° 17'
Σ2166	104		Ophiuchus			7.11	8.62	27.5"	282°	A5V	17h 27.9m	+11° 23'
61	105		Ophiuchus	Σ 2202	AB	6.16	6.67	21"	93°	A1IV-V	17h 44.6m	+02° 35'
53	106		Ophiuchus	Σ 34 App 1	AB	5.81	7.62	41.4"	190°	A2V	17h 34.6m	+09° 35'
19	107		Ophiuchus	Σ 2096	AB	6.09	9.68	23.5"	89°	A3V	16h 47.2m	+02° 04'
70	108		Ophiuchus	Σ 2272	AB	4.03	5.87	3.6"	150°	K0V K4V	18h 05.5m	+02° 30'
rho	109		Ophiuchus	H II 19	AB	4.57	5.22	2.9"	340°	B2IV B2V	16h 25.6m	-23° 27'
P. 28												
delta	110		Serpens	Σ 1954	AB	3.80	4.84	4.1"	174°	F0IV	15h 34.8m	+10° 32'
theta	111		Serpens	Σ 2417	AB	4.62	4.98	22.6"	103°	A5V A5Vn	18h 56.2m	+04° 12'
nu	112		Serpens	SHJ 247		4.33	9.18	46.3"	28°	A2V	17h 20.8m	-12° 51'
beta	113		Serpens	Σ 1970		3.66	9.96	30.4"	265°	A2IV	15h 46.2m	+15° 25'
5	114		Serpens	Σ 1930	AB	5.06	10.11	11.4"	36°	F8V	15h 19.3m	+01° 46'
Σ2342	115		Serpens		AC	6.70	9.30	32.8"	5° (note)	A1V	18h 35.6m	+04° 56'
Σ1931	116		Serpens		AB	7.11	8.04	13.1"	167°	F7V G3V	15h 18.7m	+10° 26'
epsilon	117		Sagitta	H VI 26	AB	5.66	8.29	87.6"	81°	G9III	19h 37.3m	+16° 28'
13	118		Sagitta	H IV 100	AC	5.60	9.50	113.9"	297° (note)	K0	20h 00.2m	+17° 30'
theta	119		Sagitta	Σ 2637	AB	6.51	8.82	11.8"	330°	F3V	20h 09.9m	+20° 55'
					AC	6.49	7.30	89.2"	222°	K2III		
zeta	120		Sagitta	Σ 2585	AB-C	5.04	9.01	8.3"	310°	A1V	19h 49.0m	+19° 09'
P. 30												
gamma	122		Delphinus	Σ 2727		4.27	5.15	9.5"	267°	K1IV F7V	20h 46.7m	+16° 07'
alpha	123		Delphinus	HJ 1554	Aa-C	3.90	11.90	43.8"	280°		20h 39.6m	+15° 55'
P. 32												
54	124		Sagittarius	HJ 599	AC	5.42	7.56	45.6"	42°	K2III+F8V	19h 40.7m	-16° 18'
mu	125		Sagittarius	HJ 2822	AD	3.85	9.69	47.4"	312°	B3	18h 13.8m	-21° 04'
					AE	3.85	9.25	50.6"	115°			
Σ2325	126		Sagittarius			5.77	9.47	12.4"	257°	B2V	18h 31.4m	-10° 48'
Σ2306	127		Sagittarius		AB	7.20	7.90	10.1"	222°	G9IV-V	18h 22.2m	-15° 05'
P. 34												
beta	128		Scorpio	H III 7	AC	2.56	4.90	13.6"	20°	B2V	16h 05.4m	-19° 48'
nu	129		Scorpio	H V 6	Aa-C	4.40	6.26	41.4"	336°		16h 12.0m	-19° 28'
sigma	130		Scorpio	H IV 121	Aa-B	2.89	8.42	20"	273°	BiV	16h 21.2m	-25° 36'
xi	131		Scorpio	Σ 1998	AC	4.90	7.30	7.4"	47°	G1V	16h 04.4m	-11° 22'
P.236 (note)	132		Ophiuchus	SHJ 240		6.27	7.38	4.7"	233°	B6V+B7V	16h 57.1m	-19° 32'
rho	133		Ophiuchus	H II 19	AB	4.57	5.22	2.9"	340°	B2IV B2V	16h 25.6m	-23° 27'
P. 34												
zeta	134		Ursa Major	Σ 1744	AB	2.23	3.85	14.4"	153°	A1VpSrSi	13h 23.9m	+54° 56'

23	135		Ursa Major	Σ 1351	AB	3.65	9.19	22.8"	269°	F0IV	09h 31.5m	+63° 04'
sigma ²	136		Ursa Major	Σ 1306	AB	3.90	8.73	3.9"	355°	F7V	09h 10.4m	+67° 08'
57	137		Ursa Major	Σ 1543	AB	5.30	8.93	5.5"	357°	A2V	11h 29.1m	+39° 20'
Σ1415	138		Ursa Major		AB	6.66	7.36	16.7"	168°	A7m	10h 17.8m	+71° 04'
Σ1561	139		Ursa Major		AB	6.29	8.22	9.5"	250°	G0V	11h 38.7m	+45° 07'
Σ1495	140		Ursa Major			7.12	8.95	34.1"	37°	K2II-III	10h 59.8m	+58° 54'
Σ1520	141		Ursa Major			6.51	7.90	12.5"	344°	F6V F9V	11h 16.1m	+52° 46'
65	142		Ursa Major	Σ 1579	Ab-C	6.54	8.55	3.8"	41°	A3V	11h 55.1m	+46° 29'
P. 36												
alpha	143		Ursa Minor	Σ 93	AB	2.10	9.10	18.3"	216°	F7:Ib-liv	02h 31.8m	+89° 16'
pi ¹	144		Ursa Minor	Σ 1972	AB	6.57	7.30	31.8"	79°	G0IV+G8IV	15h 29.2m	+80° 27'
40,41	145		Draco	Σ 2308	AB	5.74	6.11	19.3"	233°	F7V F7V	18h 00.2m	+80° 00'
OΣ 262	146		Ursa Minor			8.58	9.43	28"	181°	A3	13h 10.2m	+73° 58'

Autumn

P. 40

gamma	147		Andromeda	Σ 205	A-BC	2.09	4.79	9.8"	64°	K3IIb	02h 03.9m	+42° 20'
Σ79	148		Andromeda			5.69	6.56	7.5"	195°	B9.5V A2V	01h 00.1m	+44° 43'
pi	149		Andromeda	H V 17	AB	4.32	7.08	36"	173°	B5V	00h 36.9m	+33° 43'
56	150		Andromeda	Σ 4 App 1	AB	5.69	5.89	199.5"	298°	K0III gM0	01h 56.2m	+37° 15'
59	151		Andromeda	Σ 222		6.09	6.82	16.8"	35°	B9V A1Vn	02h 10.9m	+39° 02'
Σ3	152		Andromeda			7.51	8.86	5"	82°	A4V	00h 10.0m	+46° 23'
mu	153		Andromeda	HJ 1057	AC	3.87	11.40	34.2"	127°	A5V	00h 56.8m	+38° 30'

6

154

Triangulum

Σ 227

4.94

6.44

3.8"

69°

G0III

02h 12.4m

+30° 18'

P. 42

zeta	155		Aquarius	Σ 2909		3.65	3.85	1.9"	187° (note)	F3IV-V	22h 28.8m	-00° 01'
12	156		Aquarius	Σ 2745	Aa-B	5.53	7.20	2.4"	194°	G4III	21h 04.1m	-05° 49'
41	157		Aquarius	H N 56	AB	5.33	6.76	5.1"	111°	K0III+F2V	22h 14.3m	-21° 04'
tau	158		Aquarius	Σ 2943		5.66	9.00	21.9"	126°	A0V	22h 47.7m	-14° 03'
psi	159		Aquarius	Σ 12 App2	A-BC	4.22	9.18	49.6"	313°	K1III	23h 15.9m	-09° 05'
69	160		Aquarius	Σ 2943		5.66	9.00	21.9"	126°	A0V	22h 47.7m	-14° 03'
94	161		Aquarius	Σ 2998	Aa-B	5.19	5.20	12.4"	351°	G5IV	23h 19.1m	-13° 28'
Σ2809	162		Aquarius			6.23	9.50	31.2"	163°	A2V	21h 37.6m	-00° 23'
Σ2838	163		Aquarius			6.24	9.43	15.8"	182°	F5IV	21h 54.6m	-03° 18'
53	164		Aquarius	SHJ 345	AB	5.55	5.70	1.7"	6°	G0V G0V	22h 26.6m	-16° 45'

P. 44

57	165		Aquila	Σ 2594		5.70	6.49	35.6"	170°	B7Vn B8V	19h 54.6m	-08° 14'
15	166		Aquila	SHJ 286		5.40	7.00	39"	210°	K0IV	19h 05.0m	-04° 02'
5	167		Aquila	Σ 2379	Aa-B	5.89	7.51	12.7"	121°	A2V	18h 46.5m	-00° 58'
28	168		Aquila	S 717	AB	5.53	9.02	59.9"	175°	F0III	19h 19.7m	+12° 22'
11	169		Aquila	Σ 2424	AB	5.26	9.57	19.9"	299°	F6IV	18h 59.1m	+13° 38'

Σ2644	170		Aquila			6.25	6.36	2.7"	207°	B9p	20h 12.6m	+00° 52'
Σ2654	171		Aquila			6.93	7.98	14.4"	233°	F2V F4V	20h 15.2m	-03° 30'
Σ2446	172		Aquila		AB	6.75	8.72	9.4"	153°	F5	19h 05.8m	+06° 33'
Σ2628	173		Aquila			6.43	8.88	3.3"	340°	F3V	20h 07.8m	+09° 24'
P. 46												
gamma	174		Aries	Σ 180	AB	3.88	3.93	7.8"	1°	A1pSi B9V	01h 53.5m	+19° 18'
lambda	175		Aries	H V 12	AB	4.80	6.65	37.7"	47°	F0IV F7V	01h 57.9m	+23° 36'
14	176		Aries	H VI 69	AB	4.99	8.01	93.2"	34°	F2III	02h 09.4m	+25° 56'
					AC	4.99	7.50	105.6"	279°			
30	177		Aries	Σ 5 App 1		6.48	7.10	38"	275°	F5V F7V	02h 37.0m	+24° 39'
33	178		Aries	Σ 289		5.30	9.56	28.4"	2°	A3V	02h 40.7m	+27° 04'
pi	179		Aries	Σ 311	AB	5.30	8.42	3.3"	119°	B6V	02h 49.3m	+17° 28'
					AC	5.30	10.72	25.1"	110°			
1	180		Aries	Σ 174		5.83	6.63	2.8"	165°	G3III	01h 50.1m	+22° 17'
P. 48												
Σ616	181		Auriga	ω Aur		4.92	8.10	4.7"	2°	A1V	04h 59.3m	+37° 53'
26	182		Auriga	Σ 753	AB-C	5.40	8.57	12.2"	268°	A2	05h 38.6m	+30° 30'
				Bur 90	AB-D	5.40	11.50	32.7"	115°			
14	183		Auriga	Σ 653	AC	5.02	7.94	14.1"	225°	F3V	05h 15.4m	+32° 41'
					AB	5.02	11.10	11.1"	352°	A9IV		
lambda	184		Auriga	Σ 3 App 2	AD	4.71	8.60	146.6"	3°		05h 19.1m	+40° 06'
41	185		Auriga	Σ 845		5.78	6.68	7.6"	357°	A1V A6V	06h 11.6m	+48° 43'
Σ872	186		Auriga		AB	6.86	7.46	11.4"	216°	F4IV	06h 15.6m	+36° 09'
Σ645	187		Taurus (note)		A-BC	5.93	8.62	12.4"	24°	A5m	05h 09.8m	+28° 02'
Σ681	188		Auriga			6.54	9.57	23.3"	182°	A2V+GIII	05h 20.7m	+46° 58'
Σ698	189		Auriga		AB	6.55	8.38	31.3"	347°	K1pIII-IV+F6V	05h 25.2m	+34° 51'
Σ764	190		Auriga			6.40	7.17	25.9"	14°	B8IV	05h 41.3m	+29° 29'
56	191		Auriga	SHJ 75		5.25	8.63	31.6"	37°	G0V	06h 46.7m	+43° 35'
Σ533	192		Persius		AB	7.30	8.64	19.6"	62°	B8V	04h 24.4m	+34° 19'
Σ552	193		Persius			6.25	6.71	9"	112°	B8V	04h 31.4m	+40° 01'
P. 50												
alpha ¹	194		Capricornus	HJ 607	AC	4.24	9.60	45.4"	221°		20h 17.6m	-12° 30'
alpha ²	195		Capricornus	HJ 608	A-BC	3.80	11.20	6.6"	172°	G9III	20h 18.1m	-12° 33'
beta	196		Capricornus	Σ 52 App 1	Aa-B	3.05	6.09	205.3"	267°	F8V+A0	20h 21.0m	-14° 47'
omicron	197		Capricornus	SHJ 324		5.94	6.74	21.9"	238°	A3Vn A7V	20h 29.9m	-18° 35'
sigma	198		Capricornus	H V 87		5.43	9.43	56.1"	179°	K3III	20h 19.4m	-19° 07'
pi	199		Capricornus	Bur 60	Aa-B	5.08	8.29	3.4"	147°	B8II-III	20h 27.3m	-18° 13'
rho	200		Capricornus	SHJ 323	AB	4.77	6.82	1.2"	192°	F3V	20h 28.9m	-17° 49'
P. 52												
eta	201		Cassiopeia	Σ 60	AB	3.46	7.24	12.6"	315° (note)	G0V dM0	00h 49.1m	+57° 49'
sigma	202		Cassiopeia	Σ 3049	AB	4.88	7.22	3.2"	327°	B1V	23h 59.0m	+55° 45'
psi	203		Cassiopeia	H V 83	AC	4.68	9.18	20.5"	126°	K0III	01h 25.9m	+68° 08'
iota	204		Cassiopeia	Σ 262	Aa-C	4.60	8.40	7.1"	116°	A5pSr	02h 29.1m	+67° 24'

alpha	205		Cassiopeia	H V 18	AD	2.35	8.98	69.1"	282°	K0III	00h 40.5m	+56° 32'
Σ163	206		Cassiopeia		AB	6.54	9.17	34.6"	37°	K4+Ib-IIa	01h 51.3m	+64° 51'
Σ3053	207		Cassiopeia		AB	5.87	7.20	15.1"	72°	G9III A1V	00h 02.6m	+66° 06'
Σ191	208		Cassiopeia			6.12	9.33	5.1"	199°	A5III	02h 03.2m	+73° 51'
OΣ 26	209		Cassiopeia		AB	6.94	7.18	63.3"	200°	A2V	02h 19.7m	+60° 02'
P. 54												
beta	210		Cepheus	Σ 2806	Aa-B	3.20	7.80	13.3"	250°	B2III	21h 28.7m	+70° 34'
delta	211		Cepheus	Σ 58 App 1	AC	4.07	6.13	40.7"	191°	B7V	22h 29.2m	+58° 25'
xi	212		Cepheus	Σ 2863	Aa-B	4.26	6.34	7.8"	276°	A3	22h 03.8m	+64° 38'
kappa	213		Cepheus	Σ 2675	AB	4.38	8.32	7.4"	120°	B9III	20h 08.9m	+77° 43'
Σ2816	214		Cepheus		AC	5.74	8.10	11.8"	120°	O6	21h 39.0m	+57° 29'
					AD	5.74	8.02	20"	339°			
Σ2893	215		Cepheus			6.11	8.48	28.8"	347°		22h 12.9m	+73° 18'
Σ2840	216		Cepheus		AB	5.70	6.56	18.1"	196°	B6IV-V	21h 52.0m	+55° 48'
Σ2873	217		Cepheus		AB	6.92	7.45	13.6"	69°	F6IV-V	21h 58.2m	+82° 52'
Σ2883	218		Cepheus			5.52	8.62	14.6"	252°	F2V	22h 10.6m	+70° 08'
P. 56												
26	219		Cetus	Σ 84	AB	6.11	9.52	16"	254°	F1V	01h 03.8m	+01° 22'
eta	220		Cetus	Bpm 16		3.45	10.30	233.5"	305°	K1.5III	01h 08.6m	-10° 11'
zeta	221		Cetus	Bpm 26	Aa-B	3.73	10.10	185.7"	41°	K0III	01h 51.5m	-10° 20'
gamma	222		Cetus	Σ 299		3.47	6.54	2.6"	296°	A1V	02h 43.3m	+03° 14'
37	223		Cetus	Σ 3 App 1		5.19	7.85	48.4"	331°	F6V G9V	01h 14.4m	-07° 55'
66	224		Cetus	Σ 231	AB	5.65	7.56	16.6"	234°	F8V G1V	02h 12.8m	-02° 24'
Σ39	225		Cetus		AB-C	7.50	9.27	20.1"	44°	G1IV	00h 34.5m	-04° 33'
16	226		Cetus	HJ 323		6.01	8.46	63.3"	287°	K0III	00h 40.7m	-04° 21'
Σ150	227		Cetus			7.73	8.19	36"	196°	A	01h 43.4m	-07° 05'
Σ274	228		Cetus			7.46	7.67	13.5"	220°	Am	02h 31.5m	+01° 06'
84	229		Cetus	Σ 295		5.72	9.51	3.6"	308°	F6V	02h 41.2m	-00° 42'
Σ6 App 1	230		Cetus			7.66	7.84	81"	163°	G0	03h 09.2m	+07° 23'
107	231		Aquarius	H II 24		5.28	6.28	6.8"	135°	A9IV F2V	23h 46.0m	-18° 41'
alpha (note)	232		Cetus			2.55	10.65	8.24'	261°		03h 02.2m	+04° 05'
P. 58												
beta	233		Cygnus	Σ 43 App 1	Aa-B	3.05	5.12	34.3"	52°	K3III+B8V	19h 30.7m	+27° 58'
52	234		Cygnus	Σ 2726		4.20	8.70	6.4"	69°	G9III	20h 45.6m	+30° 43'
17	235		Cygnus	Σ 2580	AB	4.98	8.54	26.2"	69°	F5V	19h 46.4m	+33° 44'
omicron ²	236		Cygnus	S 743		3.98	9.70	208.9"	175°	K3Ib+B3V	20h 15.5m	+47° 43'
omicron ¹	237		Cygnus	Σ 50 App 1	Aa-D	3.80	4.80	336.5"	323°		20h 13.6m	+46° 44'
psi	238		Cygnus	Σ 2605	AB	4.91	7.47	2.9"	176°	A4Vn	19h 55.6m	+52° 26'
61	239		Cygnus	Σ 2758	AB	5.20	6.05	30.4"	148°	K5V K7V	21h 06.9m	+38° 45'
59	240		Cygnus	STF 2743	Aa-B	4.59	9.43	20.1"	352°	B1V	20h 59.8m	+47° 31'
mu	241		Cygnus	Σ 2822	AB	4.48	5.93	1.9"	307°	F6V G2V	21h 44.1m	+28° 45'
					AD	4.49	6.89	198.3	46°	A5		
					AC	4.70	11.50	68.2"	289°	F6V		

16	242		Cygnus	Σ 46 App 1		5.99	6.25	39.5"	133°	G1.5V	19h 41.8m	+50° 32'
26	243		Cygnus	H V 47	AB	5.05	10.30	41.6"	150°	K1III-III	20h 01.4m	+50° 06'
48	244		Cygnus	Σ 53 App 1	AB	6.32	6.51	181.1"	176°	B8IIIn	20h 37.5m	+31° 34'
Σ2486	245		Cygnus		AB	5.86	6.00	7.5"	209°	G3V G3V	19h 12.1m	+49° 51'
Σ2578	246		Cygnus		AB	6.38	7.16	15.2"	125°	B9.5V	19h 45.7m	+36° 05'
chi ¹ (note)	247	17	Cygnus	Σ 2580	AB	4.98	8.54	26.2"	69°	F5V	19h 46.4m	+33° 44'
3 (note)	248	OΣ 181	Vulpecula		AB	7.35	7.36	61.7"	0°	F5	19h 20.1m	+26° 39'
P. 60												
epsilon	249		Pegasus	S 798	AC	2.40	8.85	143.9"	319°		21h 44.2m	+09° 53'
1	250		Pegasus	Σ 11 App 2	AB	4.20	7.56	34.6"	312°	K0.5III, K0V	21h 22.1m	+19° 48'
3	251		Pegasus	Σ 56 App 1	AB	6.19	7.66	39.8"	350°	A2V	21h 37.7m	+06° 37'
Σ2841	252		Pegasus		A-BC	6.36	8.75	22.6"	110°	K0III+F7V	21h 54.3m	+19° 43'
Σ2848	253		Pegasus			7.20	7.76	11.1"	57°	Am F2V	21h 58.0m	+05° 56'
P. 61												
epsilon	254		Equuleus	Σ 2737	AB-C	5.42	7.35	9.9"	66°		20h 59.1m	+04° 18'
lambda	255		Equuleus	Σ 2742		6.72	6.93	2.8"	216°	F8	21h 02.2m	+07° 11'
gamma	256		Equuleus	Σ 54 App 1	AD	4.70	6.07	339.2" (note)	152°	A9V	21h 10.3m	+10° 08'
beta	257		Equuleus	HJ 3023	AC	5.16	11.60	69.2"	307°	A3V	21h 22.9m	+06° 49'
P. 62												
eta	258		Perseus	Σ 307	AB	3.76	8.50	28.4"	301°	M3Ib-IIa	02h 50.7m	+55° 54'
epsilon	259		Perseus	Σ 471	AB	2.99	7.50	9.7"	10°	B0.5V+A2V	03h 57.9m	+40° 01'
zeta	260		Perseus	Σ 464	AB	2.85	9.16	12.2"	208°	B1Ib	03h 54.1m	+31° 53'
57	261		Perseus	SHJ 44	AB	6.09	6.80	120.3"	197°	F0V	04h 33.4m	+43° 04'
Σ552	262		Perseus			6.25	6.71	9.8"	112°	B8V	04h 31.4m	+40° 01'
Σ331	263		Perseus			5.24	6.64	12"	86°	B7V B9V	03h 00.9m	+52° 21'
Σ533	264		Perseus		AB	7.30	8.64	19.6"	62°	B8V	04h 24.4m	+34° 19'
Σ369	265		Perseus			6.44	7.48	3.5"	30°	B9VpSi	03h 17.1m	+40° 29'
o (40)	266		Perseus	Σ 431		4.97	10.04	20.1"	238°	B1.5IV,A1Vn	03h 42.4m	+33° 58'
P. 64												
alpha	267		Pisces	Σ 202	AB	3.82	4.92	1.8"	273°	A0p A3m	02h 02.0m	+02° 46'
zeta	268		Pisces	Σ 100	AB	5.21	6.44	23.3"	63°	A7IV F7V	01h 13.7m	+07° 35'
psi	269		Pisces	Σ 88	AB	5.33	5.55	29.8"	159°	B9.5V A0V	01h 05.7m	+21° 28'
55	270		Pisces	Σ 46		5.36	8.41	6.6"	194°	K0III+F3V	00h 39.9m	+21° 26'
65	271		Pisces	Σ 61		6.30	6.30	4.5"	294° (note)	F5III	00h 49.9m	+27° 43'
77	272		Pisces	Σ 90	AB	6.35	7.26	33"	83°	F3V F5V	01h 05.8m	+04° 55'
35	273		Pisces	Σ 12		6.02	7.58	11.5"	148°	A9V F3V	00h 15.0m	+08° 49'
51	274		Pisces	Σ 36	Aa-B	5.68	9.53	27.6"	83°	B9.5V	00h 32.4m	+06° 57'
38	275		Pisces	Σ 22	AB-C	6.70	7.79	4.0	234°	F7V	00h 17.4m	+08° 53'
42	276		Pisces	Σ 27		6.40	10.30	29"	319°	K3III G5	00h 22.4m	+13° 29'
P. 66												
Σ430	277		Taurus		AB	6.61	9.73	26.3"	57°	K2III	03h 40.5m	+05° 08'
					AC	6.70	10.50	34.5"	301°			
30	278		Taurus	Σ 452		5.10	9.41	9"	59°	B3V+B3V	03h 48.3m	+11° 09'

phi	279		Taurus	SHJ 40		5.08	7.51	48.5"	256°	K2III	04h 20.4m	+27° 21'
Σ674	280		Taurus			6.69	9.75	10"	149°	F7V+F5IV	05h 17.5m	+20° 08'
Σ716	281		Taurus	118 Tau	AB	5.47	6.39	4.7"	208°	B8.5V	05h 29.3m	+25° 09'
tau (note)	282		Taurus	S 455	Aa-B	4.28	7.14	62.7"	34°	B3V	04h 42.2m	+22° 57'
Σ548	283		Taurus		AB	6.38	8.21	14.8"	36°	F7V	04h 28.9m	+30° 22'
Σ495	284		Taurus			6.02	8.97	3.8"	222°	F3V	04h 07.7m	+15° 10'
chi	285		Taurus	Σ 528		5.40	8.43	19.4"	24°	B9Vnn F8V	04h 22.6m	+25° 38'
111	286		Taurus	S 478		4.99	9.00	85.4"	271°	F8V	05h 24.4m	+17° 23'
Σ730	287		Taurus			5.50	5.87	9.9"	141°	B7IIIe	05h 32.2m	+17° 03'
62	288		Taurus	Σ 534	AB	6.34	8.18	29.1"	291°	B3V A1V	04h 24.0m	+24° 18'
88	289		Taurus	SHJ 45	Aa-B	4.25	7.82	69"	300°	A5	04h 35.7m	+10° 10'
omicron ² (note)	290	SHJ 49	Orion		AB	6.09	7.58	38.9"	305°		04h 59.0m	+14° 33'
					AC	6.09	9.80	53.6"	89°			

Winter

P. 70

mu	291		Canis Major	Σ 997	AB	5.00	7.05	2.8"	343°	G5III+A2	06h 56.1m	-14° 03'
nu ¹	292		Canis Major	SHJ 73		5.71	8.14	17.4"	264°	G8III+F3IV-V	06h 36.4m	-18° 40'
H3945	293		Canis Major			4.83	6.02	26.8"	52°	K3Ib dF0	07h 16.6m	-23° 19'
epsilon	294		Canis Major	CPO 7		1.50	7.50	7.5"	161°	B2II	06h 58.6m	-28° 58'

P. 72

32	295		Eridanus	Σ 470	AB	4.46	5.65	6.9"	348°	G8III A2V	03h 54.3m	-02° 57'
62	296		Eridanus	SHJ 48	AB	5.51	9.20	66.6"	76°	B6V	04h 56.4m	-05° 10'
Σ422	297		Taurus (note)			5.82	8.69	6.7"	271°	G8V	03h 36.8m	+00° 35'
39	298		Eridanus	Σ 516	AB	4.87	8.47	6.4"	144°	K2III	04h 14.4m	-10° 15'
55	299		Eridanus	Σ 590		5.98	6.07	9.3"	318°	G5III, F4IIIpSr	04h 43.6m	-08° 48'
Σ570	300		Eridanus			6.74	7.61	12.8"	260°	A1m	04h 35.2m	-09° 44'
Σ436	301		Eridanus			7.63	9.22	45.2"	239°	F5IV	03h 40.9m	-12° 37'
gamma	302		Eridanus	HJ 3608		3.20	12.70	52.8"	243°	M0.5III	03h 58.0m	-13° 31'
omicron ²	303		Eridanus	Σ 518	A-BC	4.43	9.70	82.5"	104°	G9V	04h 15.3m	-07° 39'

P. 74

alpha	304		Gemini	Σ 1110	AB	1.58	2.62	4.5"	66° (note)	A1V A2Vm	07h 34.6m	+31° 53'
zeta	305		Gemini	SHJ 77	AC	4.05	7.66	100.3"	348°		07h 04.1m	+20° 34'
15	306		Gemini	SHJ 70	AB	6.54	8.59	25.9"	203°	K2III	06h 27.8m	+20° 47'
38	307		Gemini	Σ 982	AB	4.73	7.74	7.2"	146°	F0Vp	06h 54.6m	+13° 11'
delta	308		Gemini	Σ 1066		3.55	8.18	5.9"	224°	A9III K3V	07h 20.1m	+21° 59'
epsilon	309		Gemini	S 533		2.98	9.22	111.2"	95°	G8I	06h 43.9m	+25° 08'
nu	310		Gemini	OΣΣ 77	Aa-BC	4.10	8.01	111.6"	330°	B6IIIe	06h 29.0m	+20° 13'
20	311		Gemini	Σ 924	AB	6.26	6.91	19.9"	211°	F8III, F6IV-V	06h 32.3m	+17° 47'
lambda	312		Gemini	Σ 1061		3.58	10.70	9.8"	33°	A3V	07h 18.1m	+16° 32'
kappa	313		Gemini	OΣ 179		3.70	8.20	6.9"	241°	G8IIIa	07h 44.4m	+24° 24'

P. 76

alpha	314		Lepus	HJ 3766	AB	2.58	11.20	36.2"	157°	F0Ib	05h 32.7m	-17° 49'
gamma	315		Lepus	H VI 40	AB	3.64	6.28	97"	350°	F6V K2V	05h 44.5m	-22° 27'
kappa	316		Lepus	Σ 661		4.36	6.93	2.1"	357°	B9V	05h 13.2m	-12° 56'
H3752	317		Lepus		AB	5.06	6.26	3.4"	93°	G7II-III+A7IV-V	05h 21.8m	-24° 46'
					AC	5.50	9.20	63.2"	104°			
P. 78												
11	318		Monoceros	Σ 919	AB	4.70	5.20	7.2"	133°	B3Ve B3ne	06h 28.8m	-07° 02'
					AC	5.10	6.10	9.9"	126°			
4 (note)	319	Bur 17	Lepus		AB	6.80	10.80	3.5"	190°	A5IV	06h 08.4m	-11° 09'
					AC	6.80	11.80	9.9"	257°			
8	320		Monoceros	Σ 900	AB	4.39	6.72	12.4"	29°	A5IV F5V	06h 23.8m	+04° 36'
Σ921	321		Monoceros			6.17	9.10	16.1"	3°	B2V:nne	06h 31.2m	+11° 15'
Σ1183	322		Monoceros		AB	6.25	7.93	30.6"	327°	B9.5IV	08h 06.5m	-09° 15'
29	323		Monoceros	Σ 1190	AB	4.34	10.10	32.6"	105°	G2Ib	08h 08.6m	-02° 59'
					AC	4.34	8.81	67.1"	246°			
31 (note)	324	S 579	Hydra		AB	4.62	8.80	78.4"	310°	G1Ib	08h 43.7m	-07° 14'
P. 80												
delta	325		Orion	Σ 14 App 1	Aa-C	2.24	6.84	53.3"	0°	B4	05h 32.0m	-00° 18'
iota	326		Orion	Σ 752	AB	2.90	7.00	10.9"	142°	O9III	05h 35.4m	-05° 55'
lambda	327		Orion	Σ 738	AB	3.39	5.35	4.3"	44°	O8 B0.5V	05h 35.1m	+09° 56'
rho	328		Orion	Σ 654	AB	4.46	8.29	7"	65°	K2II	05h 13.3m	+02° 52'
zeta	329		Orion	Σ 774	AB	1.74	3.87	2.4"	165°	O9.5Ibe	05h 40.7m	-01° 57'
					AC	1.74	10.00	57.7"	10°			
Σ747	330		Orion		AB	4.78	5.67	35.8"	224°	B0.5V B1V	05h 35.0m	-06° 00'
Σ816	331		Orion			6.80	9.18	4.4"	288°	B9	05h 54.9m	+05° 52'
Σ627	332		Orion			6.65	7.03	21.3"	260°	B9Vn B9Vn	05h 00.6m	+03° 37'
23 (note)	333		Orion	Σ 696		4.99	7.17	32.5"	29°	B1V	05h 22.8m	+03° 33'
Σ855	334		Orion		AB	5.70	6.93	29.2"	114°	A3Vn A0V	06h 09.0m	+02° 30'
omicron ² (note)	335	SHJ 49	Orion		AB	6.14	7.58	39"	305°	B7V	04h 59.0m	+14° 33'
					AC	6.09	9.80	53.6"	89°			
Σ795 (note)	336		Orion			5.26	5.33	1.1"	216°	A5V	05h 48.0m	+06° 27'
Σ750	337		Orion			6.56	8.52	4.3"	60°	B2.5IV	05h 35.5m	-04° 22'

Olcott's ID	WDS ID	CDSA p.#	Olcott's Comments
Spring			
P. 2			
iota	08467+2846	8	Yellow, blue. Good contrast.
Σ 1223 (note)	08268+2656	8	
upsilon ¹ (note)	08267+2432	8	
zeta	08122+1739	8	Triple. Only two stars can be seen with three - inch glass.
Σ 1311	09074+2259	8	
theta	08316+1806	8	
66	09014+3215	8	Use 160 power.
phi ² (note)	08268+2656	8	
64	08595+3225	8	
93 (note)	08247+4200	8	Gold, azure.
Σ 1245	08358+0637	15	
14	07583+0213	15	Triple. In Canis Major.
p. 4			
zeta	15394+3638	10	White, blue or green.
sigma	16147+3352	10	
lambda	15558+3757	10	
Σ 1964	15382+3615	10	
P. 6			
delta	12299-1631	23	Yellow, purple. Fine contrast.
Σ 1669	12413-1301	23	
Σ 1530	11197-0654	16*	
H376	11323-2916	23	This star is in Hydra.
P. 8			
nu	17322+5511	5	A grand object.
psi	17419+7209	5	
40,41	18002+8000	5	
39	18239+5848	5	Triple. Very fine. White, blue, red.
17 (16,17)	16362+5255	5	Triple. A fine sight.
omicron	18512+5923	5	Orange, emerald. According to Flammarion, it is an optical double.
epsilon	19482+7016	5	Red, blue. Good contrast.
iota	15249+5858	5	

gamma	17566+5129	5	
Σ 1984	15511+5254	5	
Σ 2604	19528+6411	5	
Σ 2573	19402+6030	5	
O $\Sigma\Sigma$ 123	13271+6444	5	A striking object.
Σ 2348	18339+5221	5	Yellow, blue.
mu	17053+5428	5	Both white. A beautiful miniature of Castor
P. 10			
alpha	17146+1423	10	Orange, green. Good contrast.
delta	17150+2450	10	Green, purple.
gamma	16219+1909	10	White, lilac.
rho	17237+3709	10	Both green. Coloring fine.
95	18015+2136	10	Apple green, cherry red.
kappa	16081+1703	10	Yellow, red.
Σ 2101	16460+3538	10	
Σ 2104	16487+3556	10	Pretty double
mu	17465+2743	10	
100	18078+2606	10	A beauty.
83 (note)	17411+2431	10	Distance slowly increasing.
Σ 2007	16060+1319	17	
Σ 2190	17360+2100	10	
23 (note)	16229+3220	10	
Σ 2063	16318+4536	10	
Σ 2277	18031+4828	5	
P. 12			
gamma	10200+1950	9	Finest double in the northern sky, according to Struve. Yellow, green.
tau	11279+0251	16	Lemon, light blue. A second pair in the field (83).
54	10556+2445	9	A fine sight.
93	11480+2013	9	
90	11347+1648	9	Triple
6	09320+0943	15	
7	09359+1423	15	
88	11317+1422	16	
P. 14			
epsilon ¹	18443+3940	11	A double - double. The four stars are doubtless physically connected.
epsilon ²	18443+3940	11	
zeta	18448+3736	11	Topaz, green.
beta	18501+3322	11	Multiple. The four stars for the letter "Y".
eta	19138+3909	11	A fine field in which there is another double.
theta	19164+3808	11	Yellow, blue.
P. 16			

gamma	12417-0127	16	Both yellow. A beautiful object.
Σ1669	12413-1301	16	A fine pair.
tau	14016+0133	17	
Σ1627	12182-0357	16	
Σ1682	12514-1020	16	Yellow, red.
theta	13099-0532	16	Triple.
Summer			
P. 20			
pi	14407+1625	10	Both white.
delta	15155+3319	10	Yellow, blue.
mu	15245+3723	10	
44	15038+4739	5	A binary. Period - 261 years.
39	14497+4843	5	Good contrast of colors.
iota	14162+5122	4	Yellow, white.
kappa	14135+5147	4	White, blue. A beautiful object.
Σ1919	15127+1917	10	Yellow, white.
Σ1850	14286+2817	10	Yellow, blue.
Σ1835	14234+0827	17	
xi	14514+1906	17	Yellow, purple. Fine contrast.
epsilon	14450+2704	10	recommended.
P. 22			
alpha	12560+3819	9	Cor Caroli. Both yellow.
2	12161+4040	9	Red, blue. Fine contrast.
Σ1615	12141+3247	9	Yellow, ashy.
15 (note)	13101+3830	9	
24	12351+1823	9	Orange, lilac. Fine contrast
12	12225+2551	9	
17	12289+2555	9	White, lilac.
35	12533+2115	9	Lilac, blue.
2	12043+2128	9	
Σ1678	12454+1422	9	
32	12522+1704	9	
P. 24			
iota	15122-1948	24	Fine contrast.
P. 212 (note)	14575-2125	24	
Σ1962	15387-0847	17	Pretty object.
H4783 (note)	15317-2010	24	
54	14460-2527	24	
P. 26			

67	18006+0256	18	Yellow, red. Fine contrast.
36	17153-2636	24	Yellow, red.
tau	18031-0811	18	Triple.
39	17180-2417	24	Yellow, blue. Fine contrast.
Σ2166	17279+1123	24	White, bluish.
61	17446+0235	24	
53	17346+0935	18	
19	16472+0204	18	
70	18055+0230	18	Yellow, red.
rho	16256-2327	24	Fine close pair. Yellow, blue.
P. 28			
delta	15348+1032	17	Both white. A fine object.
theta	18562+0412	18	Both yellow. Lies in rich field
nu	17208-1251	18	Green, lilac.
beta	15462+1525	17	Blue, yellow.
5	15193+0146	17	
Σ2342	18356+0456	18	
Σ1931	15187+1026	17	
P. 28			
epsilon	19373+1628	11	
13	20002+1730	11	
theta	20099+2055	11	Triple.
zeta	19490+1909	11	Green blue.
P. 30			
gamma	20467+1607	19	Golden, emerald. Fine contrast.
alpha	20396+1555	19	
P. 30			
54	19407-1618	25	Yellow, blue. Fine contrast.
mu	18138-2104	25	Triple.
Σ2325	18314-1048	25	This double and the one following are in Sobieski's Shield.
Σ2306	18222-1505	25	Yellow, blue. A beautiful object.
P. 32			
beta	16054-1948	24	White, bluish. Fine contrast
nu	16120-1928	24	
sigma	16212-2536	24	White, blue.
xi	16044-1122	24	White, gray. Beautiful field.
P.236 (note)	16571-1932	24	A pretty pair.
rho	16256-2327	24	
P. 34			
zeta	13239+5456	4	Both white. Alcor in the same field.

23	09315+6304	4	Fine contrast.
sigma ²	09104+6708	4	
57	11291+3920	9	
Σ1415	10178+7104	4	
Σ1561	11387+4507	4	Prettily grouped.
Σ1495	10598+5854	4	
Σ1520	11161+5246	4	
65	11551+4629	4	White, blue.
P. 36			
alpha	02318+8916	1	Yellowish - white and blue.
pi ¹	15292+8027	1	Both yellow.
40,41	18002+8000	1*	
ΟΣ 262	13102+7358	1	
Autumn			
P. 40			
gamma	02039+4220	6	Yellow, blue.
Σ79	01001+4443	6	Very beautiful.
pi	00369+3343	6	Yellow, blue.
56	01562+3715	6	
59	02109+3902	6	Yellow, blue.
Σ3	00100+4623	2*	
mu	00568+3830	6	
P. 42			
6	02124+3018	7	Yellow, blue. An exquisite pair.
P. 44			
zeta	22288-0001	19	Both green. Fine pair. Period of 750 years.
12	21041-0549	19	
41	22143-2104	20	Yellow, blue.
tau	22477-1403	19	White, garnet.
psi	23159-0905	12	Yellow, blue. Fine contrast.
69	22477-1403	12	
94	23191-1328	12	Fine contrast.
Σ2809	21376-0023	19	
Σ2838	21546-0318	19	
53	22266-1645	19	
P. 44			
57	19546-0814	19	Yellow, green. Fine double.
15	19050-0402	19	White, lilac.
5	18465-0058	18	White, bluish.
28	19197+1222	18	
11	18591+1338	18	Optical double.

Σ2644	20126+0052	19	Primary bluish, white.
Σ2654	20152-0330	19	
Σ2446	19058+0633	19	
Σ2628	20078+0924	19	Yellow, purple.
P. 46			
gamma	01535+1918	6	White, yellow. Disagreement as to colors.
lambda	01579+2336	6	White, lilac.
14	02094+2556	7	Triple. White, blue, lilac.
30	02370+2439	7	Both white. A beautiful double.
33	02407+2704	7	Topaz, sapphire.
pi	02493+1728	7	Triple.
1	01501+2217	7	
P. 48			
Σ616	04593+3753	7	Greenish, white.
26	05386+3030	7	Triple. Yellow, blue.
14	05154+3241	7	Triple. Yellow, blue.
lambda	05191+4006	7	
41	06116+4843	3	White, violet.
Σ872	06156+3609	7	Yellow, lilac.
Σ645	05098+2802	3	White, ash.
Σ681	05207+4658	7	
Σ698	05252+3451	3	Yellow, bluish. Beautiful.
Σ764	05413+2929	7	
56	6467+4335	8	
Σ533	04244+3419	7	In Persius
Σ552	04314+4001	7	In Persius
P. 50			
alpha ¹	20176-1230	19	A naked eye double, and telescopic double double. Both yellow.
alpha ²	20181-1233	19	
beta	20210-1447	19	Gold, blue.
omicron	20299-1835	19	White, bluish. A pretty pair.
sigma	20194-1907	19	Orange, blue.
pi	20273-1813	19	
rho	20289-1749	19	Yellow, purple. Fine contrast
P. 52			
eta	00491+5749	2	White, purple.
sigma	23590+5545	2	Green, blue. Coloring intense.
psi	01259+6808	2	
iota	02291+6724	1	

alpha	00405+5632	2	
Σ 163	01513+6451	2	Gold, blue. Remarkable colors.
Σ 3053	00026+6606	2	Yellow, blue.
Σ 191	02032+7351	2	
$O\Sigma$ 26	02197+6002	2	Orange, green.
P. 54			
beta	21287+7034	2	White, blue.
delta	22292+5825	2	Yellow, blue.
xi	22038+6438	2	Yellow, blue.
kappa	20089+7743	1	White, blue.
Σ 2816	21390+5729	2	Triple.
Σ 2893	22129+7318	2	Yellow, white.
Σ 2840	21520+5548	2	Greenish white, bluish white. A splendid pair.
Σ 2873	21582+8252	1	
Σ 2883	22106+7008	1	White, blue.
P. 56			
26	01038+0122	13	Topaz, lilac.
eta	01086-1011	13	
zeta	01515-1020	13	
gamma	02433+0314	13	Yellow, blue. A beautiful double.
37	01144-0755	13	
66	02128-0224	13	Yellow, blue.
Σ 39	00345-0433	12	Yellow, bluish.
16	00407-0421	12*	
Σ 150	01434-0705	12*	A fine double.
Σ 274	02315+0106	13	
84	02412-0042	13	
Σ 6 App 1	03092+0723	13*	
107	23460-1841	12	
alpha (note)		13	A wide double. Note a blue 5.5 mg. star in the field.
P. 58			
beta	19307+2758	11	Yellow, blue. Very fine.
52	20456+3043	11	Yellow, blue. Good contrast.
17	19464+3344	11	Red, blue.
omicron ²	20155+4743	5	Orange, blue. Good contrast. A double double.
omicron ¹	20136+4644	5	
psi	19556+5226	5	White, lilac.
61	21069+3845	11	6 light years distant. Nearest to earth in the northern hemisphere.
59	20598+4731	5	
mu	21441+2845	11	A quadruple star.

16	19418+5032	5	
26	20014+5006	5	Yellow, blue.
48	20375+3134	11	
Σ 2486	19121+4951	5	
Σ 2578	19457+3605	11	
chi ¹ (note)	19464+3344	11	In fine field.
3 (note)	19201+2639	11	
P. 60			
epsilon	21442+0953	19	Yellow, violet. Coloring fine.
1	21221+1948	19	
3	21377+0637	19	
Σ 2841	21543+1943	19	
Σ 2848	21580+0556	19	
epsilon	20591+0418	19	White, blue.
lambda	21022+0711	19	A fine pair.
gamma	21103+1008	19	Yellow white.
beta	21229+0649	19	
P. 62			
eta	02507+5554	2	White, blue. Several faint stars near it.
epsilon	03579+4001	3	
zeta	03541+3153	7	A quintuple star.
57	04334+4304	7	Yellowish, lilac.
Σ 552	04314+4001	7	Both white.
Σ 331	03009+5221	2	
Σ 533	04244+3419	7	
Σ 369	03171+4029	7	Yellow, blue.
o (40)	03424+3358	7	
P. 64			
alpha	02020+0246	13	Green blue. A fine double. The movement of the companion is very slow.
zeta	01137+0735	12	A beautiful sight.
psi	01057+2128	6	No change noted in 130 years.
55	00399+2126	6	Yellow, blue. Two beautiful stars.
65	00499+2743	6	
77	01058+0455	12	White blue. No change noted.
35	00150+0849	12	White, purple.
51	00324+0657	12	Pretty pair.
38	00174+0853	12	Yellow, white.
42	00224+1329	12	Topaz, emerald.
P. 66			
Σ 430	03405+0508	13	Triple.
30	03483+1109	13	Emerald, purple.

phi	04204+2721	7	Red, blue.
Σ674	05175+2008	7	
Σ716	05293+2509	7	A beautiful pair.
tau (note)	04422+2257	7	White, blue.
Σ548	04289+3022	7	
Σ495	04077+1510	7	
chi	04226+2538	7	
111	05244+1723	7	
Σ730	05322+1703	7	
62	04240+2418	7	Fine field.
88	04357+1010	13	
omicron ² (note)	04590+1433	7	In Orion. Beautiful

Winter

P. 70

mu	06561-1403	22	White blue.
nu ¹	06364-1840	22	
H3945	07166-2319	22	A fine pair.
epsilon	06586-2858	22	

P. 72

32	03543-0257	13	Topaz, bluish. Fine contrast. Discovered by Herschel, 1781.
62	04564-0510	13	
Σ422	03368+0035	13	Gold, blue.
39	04144-1015	13	
55	04436-0848	13	Yellow, white.
Σ570	04352-0944	13	
Σ436	03409-1237	13	
gamma	03580-1331	13	
omicron ²	04153-0739	13	Discovered by Herschel, 1783

P. 74

alpha	07346+3153	8	Both yellow. A beautiful object.
zeta	07041+2034	8	Yellow, blue.
15	06278+2047	8	White, blue.
38	06546+1311	8	Yellow, blue. Fine contrast.
delta	07201+2159	8	Yellow, purple.
epsilon	06439+2508	8	
nu	06290+2013	8	
20	06323+1747	8	
lambda	07181+1632	8	Greenish, blue.
kappa	07444+2424	8	Very beautiful.

P. 76

alpha	05327-1749	21	
gamma	05445-2227	21	Yellow, garnet.
kappa	05132-1256	21	Yellow, blue.
H3752	05218-2446	21	Triple.
P. 78			
11	06288-0702	14	Triple. One of the finest sights in the heavens.
4 (note)	06084-1109	14*	Triple.
8	06238+0436	14	Golden, blue.
Σ921	06312+1115	14	
Σ1183	08065-0915	15	
29	08086-0259	15	Triple.
31 (note)	08437-0714	15	Yellow, blue.
P. 80			
delta	05320-0018	14	White, blue.
iota	05354-0555	14	Fine field
lambda	05351+0956	14	Yellow, red. Whole region fine.
rho	05133+0252	14	Yellow, blue.
zeta	05407-0157	14	Triple. Yellow, blue.
Σ747	05350-0600	14	
Σ816	05549+0552	14	
Σ627	05006+0337	14	A splendid pair.
23 (note)	05228+0333	14	Green, white. Fine coloring
Σ855	06090+0230	14	A third star in the field.
omicron ² (note)	04590+1433	14	Triple. A beautiful object.
Σ795 (note)	05480+0627	14	Excellent test.
Σ750	05355-0422	14	

* = not labelled

Olcott's ID	My Notes
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Spring

p. 2

iota	
Σ 1223 (note)	Olcott duplicates star ϕ^2 Cancri. According to WDS Σ 1223 and ϕ^2 are the same. Σ 1223 is omitted from his Field Book list.
upsilon ¹ (note)	measurements given indicates 24 Cancer (Σ 1224) which is only 1.1° away WDS gives first position angle as 37° which matches figure given by Olcott
zeta	
Σ 1311	
theta	
66	
ϕ^2 (note)	Olcott duplicates star Σ 1223 in Cancer. According to WDS Σ 1223 and ϕ^2 are the same
64	
93 (note)	This pair is labeled O $\Sigma\Sigma$ 93 on chart #7 of Norton's Star Atlas (6 th edition -1937). Webb refers to pair S 565 as O Σ 93. Olcott refers to Webb's book.
Σ 1245	
14	

p. 4

zeta	
sigma	
lambda	
Σ 1964	

p. 6

delta	
Σ 1669	
Σ 1530	
H376	In Norton's Star Atlas (6 th edition -1937) it is labeled - H h. 376. In WDS it is labeled Herschel 96

p. 8

nu	
psi	
40,41	
39	
17 (16,17)	
omicron	
epsilon	
iota	

gamma	
Σ1984	
Σ2604	
Σ2573	
OΣΣ 123	
Σ2348	
mu	WDS reveals large change in position angle since discovery
P. 10	
alpha	
delta	
gamma	
rho	
95	
kappa	
Σ2101	
Σ2104	
mu	
100	
83 (note)	From data given by Olcott, Σ 2194 is a better fit for this entry. Located just 19' from 83Her. 83 is omitted from his Field Book list.
Σ2007	Σ2007 is in Serpens and not Hercules
Σ2190	
23 (note)	In Norton's Star Atlas (6 th edition -1937) it is labeled - 23 Her. However it shows it in Corona Boealis. WDS shows it to be - H V 38
Σ2063	
Σ2277	
P. 12	
gamma	
tau	
54	
93	
90	
6	
7	
88	
P. 14	
epsilon ¹	WDS shows large change in position angle
epsilon ²	
zeta	
beta	
eta	
theta	
P. 16	

gamma	WDS shows large change in position angle and separation. Current separation >1", beyond resolution limit of 3 inch telescope
Σ1669	Σ1669 in Corvus and not Virgo. No explanation for difference in position angle.
tau	
Σ1627	
Σ1682	
theta	
Summer	
P. 20	
pi	
delta	
mu	
44	WDS shows large change in position angle.
39	
iota	
kappa	
Σ1919	Σ1919 is in Serpens and not Bootes
Σ1850	
Σ1835	
xi	WDS indicates motion has exceeded 360° since first position angle and separation were reported, therefore both have changed significantly.
epsilon	
P. 22	
alpha	
2	
Σ1615	Σ1615 in Coma Berenices and not in Canes Venatici
15 (note)	15 CVn is a double, but WDS first separation is 1.3"- far from 290" Olcott gives. 17 CVn, just 4.6' away, has data that better match what Olcott gives
24	
12	
17	
35	
2	WDS shows large change in position angle.
Σ1678	
32	
P. 24	
iota	
P. 212 (note)	This star is marked 212 in Norton's Star Atlas (6th edition - 1939). Using map #12 of that atlas and the WDS, I identified it as Herschel 8
Σ1962	
H4783 (note)	This star is marked H4783 in Norton's Star Atlas (6th edition - 1939). Using map #12 of that atlas and the WDS, I identified it as South 672
54	
P. 26	

67	
36	
tau	
39	
Σ2166	
61	
53	
19	
70	
rho	
delta	
theta	
nu	
beta	
5	
Σ2342	WDS shows large change in position angle.
Σ1931	
P. 28	
epsilon	
13	WDS shows large change in position angle.
theta	
zeta	
gamma	
alpha	
P. 30	
54	
mu	
Σ2325	
Σ2306	
P. 32	
beta	
nu	
sigma	
xi	
P.236 (note)	Star is marked 236 and is Ophiuchus in Norton's Star Atlas (6th edition - 1939). Using map #12 of that atlas and the WDS, I identified it as SHJ 240
rho	
P. 34	
zeta	

23	
sigma ²	
57	
Σ1415	
Σ1561	
Σ1495	
Σ1520	
65	
P. 36	
alpha	
pi ¹	
40,41	
ΟΣ 262	
Autumn	
P. 40	
gamma	
Σ79	
pi	
56	
59	
Σ3	
mu	
6	
P. 42	
zeta	WDS shows large change in position angle.
12	
41	
tau	
psi	
69	
94	
Σ2809	
Σ2838	
53	
P. 44	
57	
15	
5	
28	
11	

Σ2644	
Σ2654	
Σ2446	
Σ2628	
P. 46	
gamma	
lambda	
14	
30	
33	
pi	
1	
P. 48	
Σ616	
26	
14	
lambda	
41	
Σ872	
Σ645	Σ645 in Taurus and not Auriga
Σ681	
Σ698	
Σ764	
56	
Σ533	
Σ552	
P. 50	
alpha ¹	
alpha ²	
beta	
omicron	
sigma	
pi	
rho	
P. 52	
eta	WDS shows large change in position angle.
sigma	
psi	
iota	

alpha	
Σ163	
Σ3053	
Σ191	
OΣ 26	
P. 54	
beta	
delta	
xi	
kappa	
Σ2816	
Σ2893	
Σ2840	
Σ2873	
Σ2883	
P. 56	
26	
eta	
zeta	
gamma	
37	
66	
Σ39	
16	
Σ150	
Σ274	
84	
Σ6 App 1	
107	
alpha (note)	Wide optical double, not in WDS. The blue 5.5 mag star in field mentioned by Olcott is 93 Ceti. Alpha Ceti is later omitted from his Field Book list.
P. 58	
beta	
52	
17	
omicron ²	
omicron ¹	
psi	
61	
59	
mu	

16	
26	
48	
Σ2486	
Σ2578	
chi ¹ (note)	WDS data for chi1 doesn't match. 17 Cyg is just 1° NW & WDS first p.a. (73°) & sep. (26") match. Ch1 is later omitted from Field Book (Duplicate)
3 (note)	3 Vul is not double star. OΣΣ181 is less than .5° NW and WDS lists a first sep. of 54" and a first p.a. of 5° matching Olcott's listed measurements.
P. 60	
epsilon	
1	
3	
Σ2841	
Σ2848	
epsilon	
lambda	
gamma	WDS shows large change in position angle.
beta	
P. 62	
eta	
epsilon	
zeta	
57	
Σ552	
Σ331	
Σ533	
Σ369	
o (40)	
P. 64	
alpha	
zeta	
psi	
55	
65	Position angle differs 110° from Olcott's figure - all other measurements OK
77	
35	
51	
38	
42	
P. 66	
Σ430	
30	

phi	
Σ674	
Σ716	
tau (note)	Orbit appears short. The first PA given in WDS is 213° - very close to Olcott's
Σ548	
Σ495	
chi	
111	
Σ730	
62	
88	
omicron ² (note)	It appears Olcott mistook SHJ 45 for omicron2. SHJ 49 is 1.2° northeast of omicron2 and is a triple that matches the measurements given by Olcott

Winter

P. 70

mu
nu ¹

H3945

epsilon

P. 72

32

62

Σ422

Σ422 is in Taurus and not Eridanus

39

55

Σ570

Σ436

gamma

omicron ²

P. 74

alpha

WDS first and last position angles (270° - 66°) show orbit to be short - thus large difference in position angle with Olcott's figure.
--

zeta

15

38

delta

epsilon

nu

20

lambda

kappa

P. 76

alpha	
gamma	
kappa	
H3752	
P. 78	
11	
4 (note)	This star is marked by a bracketed 4 in Norton's Star Atlas (6th edition - 1939). Using map #8 of that atlas and the WDS, I identified it as Bur 17 in Lepus. In the WDS the first position angles match those measurements given by Olcott
8	
Σ921	
Σ1183	
29	
31 (note)	31 Hydreia is tau. WDS data is no match and wrong location. Using the chart and measurements from Olcott, I determined it to be S 579 in Hydra
P. 80	
delta	
iota	
lambda	
rho	
zeta	
Σ747	
Σ816	
Σ627	
23 (note)	Position angle differs 256° from Olcott's figure - all other measurements OK
Σ855	
omicron ² (note)	Omicron ² is a very tight double. However, there are two stars, close in magnitude, parallel to o ¹ and o ² and of equal distance apart and are just 1.2° to the northeast. I believe Olcott mistook these two stars for o ¹ and o ² and mistakenly labeled the triple star SHJ 49, o ² .
Σ795 (note)	Separation has narrowed from 1.7" in Olcott's day to 1.1" today. Split is now beyond resolution limit of 3 inch refractor
Σ750	