

Nr	Data	UT	nazwa	mag	ZC/SAO	typ	AA	A _k	h _k	F _k
		h								
1	I 2	15		6.6	3116	zc	120	218	8	+0.08
2	2	16		8.1	190227	zc	84	221	7	+0.08
3	2	16		6.6	3116	oj	161	224	7	+0.08
4	3	17	39 Aquarii	6.1	3256	zc	343	220	15	+0.16
5	4	17		1.1	Saturn	zc	67	219	22	+0.25
6	4	17	84 Aquarii	7.1	3389	zc	35	227	21	+0.25
7	4	17	85 Aquarii	6.7	3391	zc	69	219	22	+0.25
8	4	17	83 Aquarii	5.5	3388	zc	21	230	20	+0.25
9	4	18	87 Aquarii	7.4	3394	zc	67	231	17	+0.25
10	4	18		1.1	Saturn	oj	224	234	15	+0.25
11	7	17	pi Piscium	5.5	240	zc	21	184	49	+0.58
12	7	17		6.8	241	zc	51	185	49	+0.58
13	8	17	27 Arietis	6.2	371	zc	68	150	52	+0.69
14	9	15		6.9	493	zc	94	105	38	+0.79
15	9	17	66 Arietis	6.2	501	zc	21	137	54	+0.79
16	9	20		7.2	75987	zc	18	221	59	+0.80
17	9	21	9 Tauri (V486)	6.7	521	zc	98	236	50	+0.80
18	10	2	Merope = 23 Tauri	4.1	545	zc	33	292	14	+0.82
19	10	3	Atlas = 27 Tauri	3.6	560	zc	34	304	4	+0.82
20	12	2		5.6	885	zc	62	281	28	+0.96
21	12	3	136 Tauri	4.6	890	zc	129	290	19	+0.96
22	12	22		6.7	1035	zc	79	194	66	+0.99
23	13	0		6.7	1042	zc	156	246	52	+0.99
24	17	2		6.6	1529	oc	291	197	50	-0.90
25	20	1	25 Virginis	5.9	1807	oc	261	143	28	-0.66
26	20	3		6.7	1817	oc	317	177	34	-0.66
27	21	1	62 Virginis	6.7	1914	oc	295	143	22	-0.57
28	21	6	68 Virginis	5.3	1930	zj	206	217	17	-0.56
29	21	6	68 Virginis	5.3	1930	oc	217	218	16	-0.55
30	22	1		6.6	2018	oc	330	138	14	-0.47
31	25	5		6.5	2397	oc	328	157	9	-0.20
32	II 2	19		7.6	75	zc	112	258	14	+0.22
33	3	16		7.5	201	zc	118	221	45	+0.31
34	3	17		7.6	92410	zc	40	230	41	+0.31
35	6	0	66 Arietis	6.2	501	zc	73	294	11	+0.57
36	7	20		6.4	797	zc	77	236	60	+0.77
37	9	16		6.5	1105	zc	119	99	43	+0.91
38	9	18		7.0	1108	zc	78	116	54	+0.92
39	17	5	50 Virginis	6.0	1888	oc	349	232	15	-0.81
40	III 2	17		8.0	109681	zc	99	262	18	+0.10
41	2	17		7.7	109678	zc	52	263	18	+0.10
42	3	18		6.5	297	zc	146	262	27	+0.18
43	3	18		8.1	92762	zc	54	264	26	+0.18
44	3	20		7.1	313	zc	93	289	5	+0.19
45	4	17	47 Arietis	5.8	435	zc	101	246	45	+0.28
46	5	11	Electra = 17 Tauri	3.7	537	zc	21	92	34	+0.37
47	5	11	Merope = 23 Tauri	4.1	545	zc	86	95	37	+0.37
48	5	11	Alcyone = eta Tauri	2.9	552	zc	78	102	42	+0.37
49	5	12	Atlas = 27 Tauri	3.6	560	zc	137	117	51	+0.37

Nr	UT	Gda	Gru	Kra	Kro	Łód	Lub	Ols	Poz	Szc	War	Wro	Zie
	h	m	m	m	m	m	m	m	m	m	m	m	m
1	15	55.5	58.2			67.6		61.2	57.4			62.2	55.5
2	16	12.7	13.8	20.0	22.8	16.8	21.0	15.1	13.3		17.8	15.0	
3	16					19.8						22.3	
4	16	58.5	56.4	51.1	50.8	53.2	52.2	56.0	55.2	60.2	53.5	52.8	55.0
5	17	38.5	39.3	43.7	46.1	41.4	45.0	40.6	38.4	35.5	42.5	39.5	37.3
6	17	42.5	42.0	40.7	41.5	41.2	42.3	42.7	40.7	40.8	42.1	39.9	39.8
7	17	39.1	39.9	44.5	47.0	42.1	45.9	41.2	39.0	36.1	43.2	40.2	38.0
8	17	52.1	50.5	46.1	46.2	48.0	47.8	50.7	48.8	51.4	48.6	46.9	48.2
9	18	27.0	27.8	32.4	34.2	30.0	32.8	28.7	27.5	25.0	30.6	28.8	26.9
10	18	40.6	40.8	40.3	40.4	40.8	41.3	41.3	40.1	39.2	41.3	39.9	39.6
11	17	44.4	43.0	38.9	40.3	40.9	43.0	44.8	39.8	40.1	42.9	37.7	38.0
12	17	49.9	49.4	48.9	51.3	49.1	52.9	51.6	46.4	44.8	51.3	45.5	44.4
13	17	09.7	09.0	07.9	10.7	08.5	12.7	11.5	05.6	04.0	11.0	04.4	03.3
14	15	12.3					12.2	13.1			11.6		
15	17	32.8	30.7	23.3	24.0	26.9	27.9	32.3	27.0	28.8	29.0	23.8	25.2
16	20			24.0	25.1								
17	21	45.6	46.9	54.5	57.1	50.5	54.6	48.3	46.7	42.5	51.3	49.2	45.9
18	2	08.9	08.7	09.0	09.5	08.8	09.8	09.6	07.9	07.1	09.4	08.1	07.5
19	3	12.1	12.0			11.9		12.5	11.6	11.2		11.7	11.5
20	2	07.2	08.0	11.9	13.2	10.0	12.2	08.8	07.9	05.5	10.5	09.3	07.6
21	3	05.6	07.2	13.8	13.6	10.5	10.2	06.1	10.2	08.9	08.9	13.0	11.9
22	22	07.6	07.1	07.6	10.6	07.3	12.1	09.9	03.6	00.8	09.9	03.1	01.2
23	0	13.3	16.1			22.4	24.7	15.9	19.6	15.0	21.0		
24	1	58.9	60.0	65.3	68.4	62.7	67.6	61.8	58.6	54.4	64.3	59.8	56.9
25	1	14.5	13.6	10.5	13.5	12.4	17.0	16.5	09.1	07.3	15.5	06.9	06.0
26	3	07.6	08.5	13.0	15.4	10.8	14.6	09.9	07.6	04.4	11.9	08.7	06.4
27	1	40.8	40.6	40.4	42.3	40.6	43.6	42.2	38.4		42.2	37.8	36.9
28	6							25.2					
29	6							32.5					
30	1			50.2	50.9		50.4						
31	5	17.9	17.9	18.7		18.3		18.7	17.0	15.9	19.1	16.9	16.1
32	19	16.0								16.6			
33	16	39.3	40.4	48.1	53.0	43.8	50.5	42.8	38.5	33.9	45.8	40.3	36.6
34	17	27.6	26.5	24.0	25.4	25.1	27.2	28.1	23.8	23.7	26.8	22.4	22.2
35	0									17.5			
36	20	30.6	30.6	32.6	35.4	31.5	36.0	33.1	27.9	24.8	33.7	28.0	25.8
37	16	57.9	57.0	55.4	57.2	56.1	58.8	58.8	54.5	53.8	57.9	53.3	52.9
38	18	14.8	12.9	07.3	08.9	09.9	12.4	15.2	08.7	09.0	12.5	06.1	06.4
39	5	06.5	08.3	16.5	18.4	12.4	15.3	08.7	09.6	06.1	12.2	12.3	09.7
40	17	38.7	39.9	46.0	47.5	42.8	45.0	40.3	40.5		42.8	42.7	40.4
41	17	46.5	46.4	47.3	48.2	46.8	48.1	47.2	45.6	44.6	47.4	45.8	45.0
42	17	52.1	54.5	70.0	73.8	60.8	64.7	54.9	56.7	51.5	60.1	61.9	57.2
43	18	22.2	22.1	23.3	24.5	22.6	24.5	23.2	21.0	19.5	23.5	21.2	20.1
44	20	40.8	41.9	46.3		44.1		41.3	43.6	42.4	43.2	45.5	44.5
45	17	24.1	25.1	31.0	33.7	27.9	32.1	26.7	24.2	20.4	29.1	25.9	23.0
46	11	19.8	17.1	06.9	05.2	11.8	08.9	16.8	15.3	21.3	12.2	11.5	15.2
47	11	29.9	28.5	23.5	24.0	26.0	26.8	29.7	25.9	26.9	27.5	23.8	24.7
48	11	63.7	62.2	57.0	57.7	59.6	60.7	63.6	59.4	60.4	61.3	57.2	58.0
49	12	51.8	51.5	53.5	58.8	52.1	58.7	54.2	48.2	46.0	54.9	47.8	46.0

Nr	Data	UT	nazwa	mag	ZC/SAO	typ	AA	A _k	h _k	F _k
		h								
50	5	13	Alcyone = eta Tauri	2.9	552	oj	234	118	52	+0.37
51	6	17		7.0	746	zc	157	223	63	+0.50
52	6	19		6.6	756	zc	74	259	46	+0.51
53	6	22		7.0	773	zc	100	285	24	+0.52
54	8	16		7.1	1067	zc	180	135	60	+0.71
55	8	22	47 Geminorum	5.8	1088	zc	113	259	45	+0.73
56	9	0		6.5	1105	zc	60	287	21	+0.74
57	20	0	4 Scorpii	5.6	2276	oc	225	156	11	-0.73
58	20	1	pi Scorpii	2.9	2287	zj	58	170	14	-0.72
59	20	2	pi Scorpii	2.9	2287	oc	343	182	14	-0.72
60	IV 1	20	Electra = 17 Tauri	3.7	537	zc	50	300	7	+0.16
61	1	21	Merope = 23 Tauri	4.1	545	zc	96	304	3	+0.16
62	1	21		7.9	76158	zc	76	297	9	+0.16
63	1	21	24 Tauri	6.3	549	zc	64	307	3	+0.16
64	1	21	Alcyone = eta Tauri	2.9	552	zc	68	309	1	+0.16
65	1	21		7.6	76167	zc	43	300	7	+0.16
66	1	21		7.3	546	zc	28	302	6	+0.16
67	1	21		7.3	551	zc	106	305	5	+0.16
68	1	21		6.8	553	zc	25	305	5	+0.16
69	1	22	Atlas = 27 Tauri	3.6	560	zc	91	312	1	+0.17
70	1	22	Pleione = 28 BU Tauri	5.1	561	zc	72	312	1	+0.17
71	2	20		7.9	76764	zc	88	288	20	+0.26
72	3	20		5.6	885	zc	122	280	30	+0.36
73	4	21		7.2	1056	zc	89	280	28	+0.48
74	8	23		6.6	1529	zc	54	242	35	+0.85
75	11	18		6.2	1798	zc	107	130	23	+0.99
76	17	1	tau Scorpii	2.8	2383	zj	160	186	12	-0.86
77	17	2	tau Scorpii	2.8	2383	oc	222	196	11	-0.85
78	29	6	Alcyone = eta Tauri	2.9	552	zc	7	77	21	+0.03
79	29	6	Atlas = 27 Tauri	3.6	560	zc	57	80	24	+0.04
80	29	20		7.8	76559	zc	57	306	4	+0.06
81	29	20	chi Tauri	5.4	647	zc	104	312	2	+0.06
82	V 1	19		7.7	78410	zc	116	277	32	+0.21
83	1	22		7.0	1013	zc	119	306	6	+0.22
84	4	21		7.1	98554	zc	118	263	29	+0.53
85	22	2		6.3	3461	oc	265	117	16	-0.32
86	29	20		7.6	79122	zc	52	302	8	+0.10
87	29	21		6.7	1089	zc	55	308	4	+0.10
88	30	21		6.6	1239	zc	98	303	3	+0.18
89	VI 3	19	82 Leonis	6.7	1657	zc	79	229	33	+0.57
90	3	20	83 Leonis	6.6	1660	zc	100	241	26	+0.57
91	3	21	tau Leonis	5.0	1663	zc	90	251	19	+0.57
92	9	20	pi Scorpii	2.9	2287	zc	96	167	13	+0.98
93	9	21	pi Scorpii	2.9	2287	oj	304	186	14	+0.98
94	18	1	phi Aquarii	4.2	3412	oc	311	136	25	-0.58
95	22	0		7.5	397	oc	242	73	10	-0.16
96	23	1	Merope = 23 Tauri	4.1	545	zj	39	70	15	-0.08
97	23	2	Alcyone = eta Tauri	2.9	552	zj	25	76	20	-0.08
98	23	2	Merope = 23 Tauri	4.1	545	oc	280	78	22	-0.08

Nr	UT	Gda	Gru	Kra	Kro	Łód	Lub	Ols	Poz	Szc	War	Wro	Zie
	h	m	m	m	m	m	m	m	m	m	m	m	m
50	13	07.7	06.4	01.3	02.0	04.0	05.5	08.2	03.2	03.1	06.0	01.0	01.3
51	17	34.5	36.8	52.2	57.0	43.1	49.5	38.5	37.1	30.6	43.7	42.0	36.4
52	19	53.1	53.6	57.0	59.2	55.2	59.0	55.4	52.0	48.8	56.7	52.9	50.6
53	22	12.6	13.9	19.6	20.3	16.8	17.9	13.8	15.4	13.3	16.2	17.6	16.0
54	16						54.4						
55	21	51.2	52.7	59.8	61.6	56.3	59.3	53.5	53.3	49.7	56.6	55.8	53.2
56	0	32.4	33.4	37.5	38.6	35.5	37.5	34.0	33.6	31.3	35.8	35.1	33.5
57	0			47.5	53.1		59.4						
58	1	55.9	55.2	53.8	58.0	54.7	61.8	59.5	49.7	46.1	59.0	48.2	46.0
59	2	42.7	43.4	47.3	49.3	45.3	48.3	44.3	42.8	40.4	46.1	43.8	42.0
60	20	51.8	52.1	53.8	54.0	53.0	53.4	52.2	52.5	51.7	52.9	53.2	52.6
61	21	14.4	15.4	19.2	18.8	17.2	16.6	14.4	17.5	16.9	16.1	19.2	18.7
62	21									07.8			09.2
63	21	38.8	39.4			40.5		38.8	40.7	40.4	39.8	41.8	41.5
64	21	40.9	41.6	44.0		42.8	42.1	40.8	43.0	42.7	41.9	44.1	43.8
65	21									23.9			24.5
66	21									34.7			34.7
67	21	38.0								41.6			
68	21									56.0			
69	22	13.1	13.9							16.2			17.4
70	22	14.8								17.2			
71	20	53.5	54.6						55.9	54.4		57.6	56.5
72	20	30.9	32.7	39.8	40.4	36.2	37.3	32.2	34.7	32.3	35.3	37.5	35.6
73	21	41.9	43.2	48.7	49.7	46.0	47.7	43.4	44.2	41.7	45.8	46.2	44.4
74	22	51.1	51.5	55.7	60.6	53.8	64.2	57.7	47.2	41.4	58.5	48.2	44.3
75	18	47.0	46.0	43.5	45.0	44.7	47.3	48.1	42.9		46.7	41.7	41.2
76	1	49.4	50.1	54.5	57.2	52.2	56.5	51.8	49.0	46.1	53.7	50.2	48.0
77	2	35.1	35.5	37.7	40.9	36.8	42.1	38.3	32.2	28.0	39.4	32.2	29.5
78	6			13.7	11.0	19.4	14.1	24.3			18.5	22.0	
79	6	38.1	36.6	30.3	29.5	33.4	32.1	36.8			34.0		
80	20	06.8	07.3	09.4	09.3	08.3	08.2	07.0	08.2	07.7	07.9	09.1	08.7
81	20	43.3	44.2			45.9		42.9	46.7	46.8	44.4	48.3	48.2
82	19			12.3	13.2	09.0	10.4				08.4	09.8	
83	22	05.1	06.3	10.4	09.8	08.3	07.3	05.0	08.8	08.5	06.9	10.7	10.2
84	21	19.6	21.3	28.4	29.6	24.9	26.9	21.4	22.7	19.8	24.6	25.3	23.1
85	2			14.5									
86	20			33.7	34.0	32.3	32.8				32.0	32.8	
87	21	07.2	08.0	10.7		09.4	09.1	07.4	09.3	08.7	08.7	10.5	10.0
88	21	52.2	53.3	57.1		55.2		52.2	55.4	54.9	53.9	57.1	56.6
89	19	37.9	39.1	45.2	48.8	42.3	48.3	41.7	37.3		44.4	38.9	35.4
90	20	25.0	26.5	33.7	36.1	30.2	34.2	27.8	26.5	22.3	31.0	28.8	25.8
91	21	14.2	15.8	22.8	24.8	19.4	22.7	16.7	16.2	12.3	19.8	18.5	15.8
92	20	21.0	20.6	20.6	23.4	20.7	25.4	23.4	17.3	14.8	23.4	16.6	15.0
93	21		38.3	41.4	44.4	39.9	44.7		36.1	32.8	41.9	36.6	34.2
94	1				25.2		27.5						
95	0			47.6	46.6								
96	1	64.2	62.7	56.0	54.6	59.3	56.9	62.3	61.7	64.7	59.3	59.3	61.6
97	2	38.5	36.5	28.4	26.7	32.4	29.5	36.0	35.4	39.5	32.4	32.6	35.4
98	2			39.4	39.3		41.5		41.6	42.4		40.1	40.8

Nr	Data	UT	nazwa	mag	ZC/SAO	typ	AA	A _k	h _k	F _k
		h								
99	23	3	Alcyone = eta Tauri	2.9	552	oc	293	83	26	-0.07
100	23	3	Atlas = 27 Tauri	3.6	560	oc	249	90	33	-0.07
101	29	19		6.8	1522	zc	116	271	13	+0.22
102	VII 4	19		6.3	2011	zc	171	204	20	+0.69
103	7	21	tau Scorpii	2.8	2383	zc	175	201	10	+0.91
104	7	21	tau Scorpii	2.8	2383	oj	200	205	8	+0.91
105	20	11	Electra = 17 Tauri	3.7	537	oc	219	277	26	-0.24
106	20	12	Maia = 20 Tauri	3.9	541	oc	269	283	21	-0.23
107	20	12	Alcyone = eta Tauri	2.9	552	zj	152	282	22	-0.23
108	20	12	Alcyone = eta Tauri	2.9	552	oc	192	286	19	-0.23
109	21	0	chi Tauri	5.4	647	oc	228	63	10	-0.18
110	21	0		7.9	655	oc	216	71	18	-0.17
111	VIII 5	19	W Sagittarii	4.7	2609	zc	136	178	11	+0.87
112	13	0		6.9	53	oc	212	160	43	-0.84
113	13	3		6.5	64	oc	273	210	40	-0.83
114	16	1		7.2	461	oc	228	123	51	-0.51
115	18	0		7.0	773	oc	278	74	23	-0.30
116	20	0		7.3	79243	oc	310	60	9	-0.11
117	20	1		7.6	79253	oc	304	63	11	-0.11
118	20	1		8.1	79277	oc	229	66	15	-0.11
119	20	2		7.5	79316	oc	275	78	24	-0.11
120	20	2		7.9	79319	oc	210	74	21	-0.11
121	IX 7	17		9.0	146510	zc	1	106	4	E0.00
122	7	18		9.0	146510	oc	301	111	9	E0.00
123	10	2		6.8	145	oc	258	219	44	-0.93
124	12	1		7.1	425	oc	179	151	59	-0.76
125	12	3		6.8	438	oc	325	218	56	-0.75
126	12	4	epsilon Arietis	4.7	440	oc	238	236	51	-0.75
127	12	4		5.6	54005	oc	240	232	52	-0.75
128	12	20	Celaeno = 16 Tauri	5.5	536	oc	298	74	18	-0.67
129	12	20	Electra = 17 Tauri	3.7	537	oc	257	74	19	-0.67
130	12	20	Maia = 20 Tauri	3.9	541	zj	23	73	18	-0.67
131	12	21	Alcyone = eta Tauri	2.9	552	zj	112	75	20	-0.67
132	12	21	Merope = 23 Tauri	4.1	545	oc	189	76	20	-0.67
133	12	21	Maia = 20 Tauri	3.9	541	oc	295	78	22	-0.67
134	12	21		6.8	548	oc	311	82	26	-0.67
135	12	21	24 Tauri	6.3	549	oc	212	82	26	-0.67
136	12	21	Alcyone = eta Tauri	2.9	552	oc	206	82	26	-0.67
137	12	21		6.8	553	oc	245	85	28	-0.67
138	12	22		7.0	557	oc	238	89	32	-0.67
139	12	22		6.6	562	oc	230	93	35	-0.67
140	12	22	Pleione = 28 BU Tauri	5.1	561	oc	170	89	30	-0.67
141	14	0		7.3	76841	oc	229	96	42	-0.55
142	14	1		7.0	746	oc	194	121	57	-0.54
143	14	21		5.6	885	oc	299	53	6	-0.45
144	14	21	136 Tauri	4.6	890	oc	189	59	10	-0.44
145	15	23		7.5	78957	oc	265	70	19	-0.32
146	16	4	47 Geminorum	5.8	1088	oc	311	131	57	-0.31
147	17	0		7.4	79868	oc	222	71	15	-0.22

Nr	UT	Gda	Gru	Kra	Kro	Łód	Lub	Ols	Poz	Szc	War	Wro	Zie
	h	m	m	m	m	m	m	m	m	m	m	m	m
99	3	08.0	07.3	04.6	05.2	06.0	07.4	08.7	05.0	04.4	07.4	03.9	03.7
100	3	54.1	52.8	47.5	47.4	50.2	50.2	53.8	50.5	51.6	51.4	48.5	49.4
101	19				54.0								
102	19			18.2	20.1		18.0						
103	21	24.5	25.8	34.3	38.7	29.7	36.1	28.0	24.9	20.4	31.4	27.2	23.7
104	21			55.6	56.9							52.7	51.0
105	11	32.1	32.5	33.8	35.2	33.5	35.6	33.5	31.6	29.7	34.4	31.6	30.5
106	12	01.8	03.3	08.7	09.4	06.1	07.2	03.0	04.8	02.7	05.6	06.7	05.2
107	11	54.9	58.1			65.7	64.8	56.1	65.3	61.6	61.8		
108	12	24.1	23.4			20.9	24.2	25.3	18.4	17.9	24.1		
109	0	11.2	09.8	04.0	02.5	06.9	04.5	09.5	09.1	11.8	06.8	07.2	09.2
110	0		63.8	57.0	55.4	60.4	58.0		62.6	65.3	60.5	60.3	62.4
111	19		24.8	27.3	30.5	26.1	31.3	27.4	22.2		28.4	22.3	20.1
112	0	40.0	38.9	34.6	35.5	37.0	38.7	40.8	35.7	35.2	38.9	33.8	33.8
113	3									19.8		27.0	23.5
114	1	54.9	53.6	48.1	48.7	51.0	52.3	55.3	50.3	50.4	53.0	48.0	48.5
115	0	16.6	15.6	11.6	11.4	13.6	13.5	16.2	13.9	14.8	14.4	12.4	13.2
116	0	47.5	47.2	46.0	46.0	46.7	46.8	47.6	46.6	46.4	47.1	46.2	46.3
117	1	04.2	03.8	02.0	01.9	03.0	03.0	04.2	03.0	03.1	03.4	02.4	02.7
118	1	29.1											
119	2			31.8	31.7	33.8			34.0	34.6		32.5	33.2
120	2								23.7	28.8			23.4
121	17	41.9	39.9	31.9	31.6	36.0	35.6	41.0	36.8	38.6	37.5	33.7	35.2
122	17	64.8	63.8	60.4	61.2	62.1	63.5	65.2	61.4	61.7	63.6	60.0	60.2
123	1	62.1	63.2	67.5	70.2	65.8	70.5	65.5	61.4	56.6	67.6	62.5	59.6
124	1	14.8	12.7	02.5	00.8	08.2	06.8	14.2	09.1	10.6	09.9	05.5	07.3
125	3					53.3						53.5	
126	4	18.1	18.5	20.1	22.3	19.6	23.4	20.4	16.5	13.5	21.4	16.6	14.7
127	4	18.1	18.5	20.2		19.6			16.5	13.5		16.6	14.8
128	20	54.1	53.3	50.4	50.7	51.9	52.5	54.3	51.6	51.4	53.0	50.4	50.6
129	20	62.1	60.8	55.5	54.8	58.1	57.1	61.1	59.3	61.0	58.7	57.4	58.8
130	20	50.4	48.5				41.3	47.8			44.3		
131	21	08.1	07.0	02.9	02.9	04.9	04.9	07.6	05.3	06.6	05.7	03.7	04.7
132	21	18.6	16.7	08.3	05.9	12.6	09.1	16.3	15.5	18.9	12.6	12.7	15.3
133	21	19.1	18.3	15.4	15.8	16.9	17.8	19.5	16.3	15.9	18.1	15.1	15.1
134	21			37.9	39.8		41.5				39.7		
135	21	52.2	50.5	43.3	42.0	46.9	45.0	50.7	48.8	51.3	47.5	46.2	48.2
136	21	53.5	51.7	44.1	42.6	48.0	45.8	51.8	50.0	52.7	48.4	47.4	49.5
137	21	64.6	63.2	57.5	57.1	60.4	59.9	63.9	61.2	62.6	61.3	59.0	60.3
138	22	29.2	27.8	21.8	21.4	24.8	24.4	28.6	25.5	26.9	25.9	23.3	24.5
139	22	49.8	48.2	41.8	41.3	45.1	44.5	49.1	45.8	47.3	46.2	43.4	44.7
140	22	18.1	15.0					12.9	13.8	19.3		08.8	14.0
141	0	18.6	17.0	10.2	09.9	13.8	13.5	18.1	14.2		15.2		
142	1	69.2	67.0	56.1	54.6	62.2	61.3	68.7	62.9	64.6	64.3	59.0	60.9
143	21	10.5	09.8	07.1	06.4	08.4	07.4	09.8	09.3	10.4	08.5	08.4	09.3
144	21	52.4	50.5	41.1	37.1	46.0	40.6	49.4	49.9	54.1	45.3	47.1	50.3
145	23	52.3	51.2	46.4	45.7	48.8	47.9	51.6	49.8	51.3	49.4		
146	4									42.4			
147	0	45.0	43.1	34.1	31.8	38.8	35.7	43.0	41.4	44.6	39.1	38.5	41.1

Nr	Data	UT	nazwa	mag	ZC/SAO	typ	AA	A _k	h _k	F _k
		h								
148	17	3		8.1	1225	oc	323	100	38	-0.21
149	19	3		7.7	98832	oc	352	88	17	-0.07
150	19	12		-3.9	Wenus	zj	108	248	33	-0.05
151	19	13		-3.9	Wenus	oc	314	263	22	-0.05
152	X 9	1		6.8	375	oc	193	229	51	-0.95
153	10	6	Electra = 17 Tauri	3.7	537	oc	181	275	28	-0.87
154	10	6	Maia = 20 Tauri	3.9	541	oc	247	280	23	-0.86
155	10	18	chi Tauri	5.4	647	oc	201	61	10	-0.81
156	11	1		6.6	701	oc	259	166	67	-0.79
157	12	4		5.6	885	oc	226	230	62	-0.67
158	13	1		6.7	1042	oc	233	116	55	-0.57
159	13	4		7.2	1056	oc	309	196	65	-0.56
160	16	1	8 Leonis	5.7	1418	oc	331	85	17	-0.26
161	16	1		7.8	98674	oc	285	89	20	-0.26
162	16	4		8.0	1430	oc	289	124	44	-0.25
163	17	0		6.8	1522	oc	219	79	5	-0.18
164	17	2		7.2	99120	oc	265	95	18	-0.17
165	17	3		7.2	99153	oc	267	117	32	-0.17
166	18	3		8.0	1626	oc	255	111	21	-0.10
167	19	4		7.1	138521	oc	233	113	14	-0.05
168	19	4		7.1	138521	zj	199	107	11	-0.05
169	XI 3	21		6.8	145	zc	37	208	45	+0.96
170	5	21	47 Arietis	5.8	435	oc	181	148	54	-0.00
171	6	15	Alcyone = eta Tauri	2.9	552	oc	284	57	5	-0.98
172	6	16	Atlas = 27 Tauri	3.6	560	oc	248	63	9	-0.98
173	6	16	Pleione = 28 BU Tauri	5.1	561	oc	264	63	10	-0.98
174	6	18		6.2	587	oc	185	91	33	-0.97
175	7	21		7.0	773	oc	276	109	50	-0.91
176	8	2		6.4	797	oc	307	234	58	-0.90
177	10	8	kappa Geminorum	3.6	1170	oc	250	281	23	-0.70
178	11	22	83 Cancri	6.6	1383	oc	267	85	19	-0.52
179	13	2		7.2	1501	oc	279	128	40	-0.40
180	14	2	59 Leonis	5.0	1600	oc	302	115	26	-0.31
181	15	5		6.2	1708	oc	342	149	34	-0.21
182	16	3		7.4	1792	oc	278	126	18	-0.14
183	17	4		7.2	1901	oc	6	123	10	-0.08
184	17	4		8.1	157816	oc	9	120	9	-0.08
185	24	15		5.6	2848	zc	148	207	5	+0.16
186	24	16		5.6	2848	oj	173	208	7	+0.16
187	27	18	iota Aquarii	4.3	3237	zc	98	214	19	+0.44
188	30	16		6.5	64	zc	33	143	38	+0.75
189	XII 1	16		6.8	203	zc	54	124	38	+0.85
190	2	23		6.8	375	zc	129	254	37	+0.94
191	4	3	Celaeno = 16 Tauri	5.5	536	zc	68	285	19	+0.99
192	4	3	Electra = 17 Tauri	3.7	537	zc	100	285	20	+0.99
193	4	3	Taygeta = 19 Tauri	4.3	539	zc	26	289	16	+0.99
194	4	3	Maia = 20 Tauri	3.9	541	zc	53	289	16	+0.99
195	4	4	Alcyone = eta Tauri	2.9	552	zc	120	295	11	+0.99
196	4	4	Pleione = 28 BU Tauri	5.1	561	zc	124	300	8	+0.99

Nr	UT	Gda	Gru	Kra	Kro	Łód	Lub	Ols	Poz	Szc	War	Wro	Zie
	h	m	m	m	m	m	m	m	m	m	m	m	m
148	3								25.2	22.1		25.7	23.9
149	3	26.6	29.9						31.2	26.9		33.4	31.2
150	12	07.0	08.8	16.7	18.9	12.8	16.5	09.8	09.3	05.2	13.3	12.0	09.0
151	13	15.7	17.7	25.6	26.6	21.6	23.2	17.3	19.8	16.9	20.8	22.7	20.5
152	1	62.3	61.4	56.7	57.3	59.7	61.5	63.4	58.2	57.4	61.8	56.2	56.2
153	6	10.8	08.9					12.0			07.6		
154	6	53.9	54.9						55.5	53.8		56.6	55.4
155	18	33.3	31.8			28.4	25.0	31.0	31.3		28.0		
156	1	25.9	26.0	26.2	28.7	26.4	30.7	28.4	23.0	20.1	28.8	22.5	20.8
157	4	37.5	37.4	36.1	38.9	37.2	41.9	40.0	33.7	31.1	40.0	32.4	31.0
158	1	40.2	38.7	32.3	33.1	35.9	37.8	40.9	34.8	34.8	38.4	32.2	32.7
159	4									53.1			56.9
160	0	56.2	58.4	63.0	64.1	61.2	63.5	59.0	59.0	55.3	61.7	60.6	58.8
161	1	25.6	25.0	22.1	22.4	23.7	24.3	25.8			24.7		
162	3	62.1	62.1	62.2	64.3	62.4		63.9	59.9	58.0	64.2	59.4	58.2
163	0	67.0	64.0					64.3			56.6		
164	2	19.4	18.1	12.1	11.9	15.3	15.3	19.1	15.8	17.0	16.6	13.5	14.7
165	3	56.9	55.8	50.8	52.0	53.6	55.9	57.7	52.4	52.3	55.9	50.1	50.4
166	3	57.2	55.5	47.5	48.0	52.1	53.2	57.3	51.8	52.8	54.3	48.5	49.8
167	4								48.0	50.2			42.6
168	4												28.1
169	21	59.4	58.3	55.1	56.4	56.6	58.7	59.9	55.4	55.5	58.4	53.7	53.8
170	21	19.8	16.9			09.6		17.6	13.4	16.8		08.4	12.1
171	15	45.0	44.1		39.2	42.1	40.5	43.8			42.1		
172	16	19.1	17.9	12.9	11.7	15.4	13.5	17.7	17.2	19.5	15.4	15.5	17.2
173	16	20.8	19.6	15.0	14.0	17.3	15.7	19.5	18.9		17.4		
174	18	66.1	64.0	54.0	51.1	59.2	55.4	63.9	62.0	65.4	59.5	58.8	61.5
175	21	35.9	35.3	33.4	34.8	34.6	37.2	37.3	32.6		36.5	31.5	30.8
176	2	24.9	27.4	36.5	39.2	32.3	36.8	28.3	28.1	23.1	32.9	31.0	27.5
177	8	21.9	23.1	27.6	28.9	25.5	27.5	23.5	23.3	20.6	25.6	24.7	22.8
178	22	60.6	59.4	54.2	53.8	57.0	56.5	60.1	57.7	58.9	57.9	55.7	
179	2	43.2	42.7	40.5	42.5	41.9	45.2	44.8	39.6	38.3	44.1	38.2	37.6
180	2	18.4	18.2	17.4	18.6	18.0	19.9	19.4	16.7	15.8	19.2	16.0	15.6
181	4	56.5	57.8	62.7	64.3	60.3	62.7	58.1	58.2	55.9	60.5	59.6	57.9
182	3	55.6	54.6	50.7	52.0	52.9	55.0	56.3	51.6	51.5	54.8	49.7	49.9
183	4		05.8	14.0	14.1	10.8	10.3		10.6	09.4	08.5	13.1	12.1
184	4			07.9	07.5								
185	15	49.0	51.8					57.4	49.0			53.6	45.9
186	16											12.1	
187	18	13.5	14.5	20.0	23.8	17.2	22.8	16.6	12.8	08.8	19.0	14.0	11.0
188	16	32.7	31.2	25.3	25.8	28.3	29.2	32.5	28.2	29.3	30.0	25.7	26.7
189	16	26.5	25.0	19.5	20.0	22.3	23.3	26.4	22.1	23.0	24.0	19.7	20.6
190	23	42.3	44.6			50.4	54.8	45.3	46.0	40.8	50.2	50.7	46.1
191	3	14.5	15.2	18.4	19.2	16.8	18.1	15.5	15.5	13.8	16.9	16.7	15.4
192	3	12.1	13.5	19.2	19.6	16.3	17.1	13.1	15.2	13.2	15.6	17.4	15.9
193	3			40.2	41.3							38.6	37.9
194	3	40.2	40.7	43.1	43.7	41.9	43.0	41.1	40.8	39.4	42.0	41.7	40.7
195	4	12.1	13.7	20.0	19.6	16.7	16.2	12.5	16.7	15.4	15.1	19.4	18.3
196	4	48.9	50.4			53.2		48.9	53.7	53.0	51.4	56.4	55.6

Nr	Data	UT	nazwa	mag	ZC/SAO	typ	AA	A _k	h _k	F _k
		h								
197	4	4	Merope = 23 Tauri	4.1	545	zc	160	290	15	+0.99
198	4	4	Alcyone = eta Tauri	2.9	552	oj	221	296	11	+0.99
199	4	5	Atlas = 27 Tauri	3.6	560	zc	156	301	6	+0.99
200	5	23		5.6	885	oc	296	196	66	-0.98
201	6	0	136 Tauri	4.6	890	oc	222	222	62	-0.98
202	6	4		6.0	909	oc	267	274	33	-0.98
203	7	22		6.4	1208	oc	243	118	49	-0.87
204	9	5	80 Cancri	6.9	1370	oc	327	249	39	-0.76
205	10	7	Regulus = alpha Leonis	1.4	1487	zj	68	259	23	-0.66
206	10	8	Regulus = alpha Leonis	1.4	1487	oc	354	267	18	-0.66
207	16	5		6.5	2084	oc	297	151	13	-0.12
208	25	17		6.9	3325	zc	81	223	21	+0.28
209	27	19		7.2	109127	zc	65	236	29	+0.50
210	28	15		6.8	145	zc	89	152	45	+0.59
211	28	19		6.7	166	zc	136	220	42	+0.61
212	29	23	20 H1. Arietis	6.4	317	zc	25	277	17	+0.73
213	30	18	epsilon Arietis	4.7	440	zc	82	183	60	+0.82
214	30	18		5.6	54005	zc	82	183	60	+0.82
215	30	19		6.8	438	zc	18	191	60	+0.82
216	31	12	Alcyone = eta Tauri	2.9	552	zc	78	63	11	+0.88

Nr	UT	Gda	Gru	Kra	Kro	Łód	Lub	Ols	Poz	Szc	War	Wro	Zie
	h	m	m	m	m	m	m	m	m	m	m	m	m
197	4	02.9						02.6					
198	4									54.2			
199	4	57.2	59.9					56.8			61.1		
200	23	41.3	42.7	48.3	51.3	45.8	50.8	44.6	41.6	37.2	47.4	43.0	40.1
201	0	46.1	45.4	40.6	43.0	43.9	48.2	48.3	40.9	39.0	47.2	38.1	37.6
202	4	08.5	09.7	14.7	16.0	12.3	14.4	10.1	10.1	07.5	12.5	11.7	09.8
203	22	52.2	50.7	43.9	44.8	47.8	49.8	52.9	46.8	46.8	50.4	43.9	44.5
204	5	49.5	51.5	59.4		55.5		51.1	53.5	50.5	54.7	56.3	54.0
205	7	42.5	43.9	49.9	52.0	47.0	50.6	45.1	43.7	39.9	47.8	45.6	43.0
206	8	20.9	22.9	30.4	30.6	26.5	26.8	21.7	25.8	23.9	25.1	28.7	27.1
207	5								55.6	53.8		55.1	53.9
208	17	26.3	27.0	30.9	33.6	28.9	32.9	28.5	25.7	22.7	30.3	26.5	24.3
209	19	23.5	23.7	25.8	27.7	24.6	27.6	25.0	22.2	20.1	25.8	22.5	21.0
210	15	43.2	42.4	40.5	43.2	41.5	45.7	44.9	38.8	37.3	44.2	37.3	36.5
211	19	27.3	31.2					33.9	32.9	22.0			31.8
212	23	42.2	41.2	39.6	40.4	40.2	41.5	42.6	39.1	38.6	41.4	38.4	38.0
213	18	56.1	55.6	55.5	58.3	55.5	59.8	58.0	52.4	50.4	57.9	51.6	50.2
214	18	56.1	55.6	55.5	58.3	55.5	59.8	58.0	52.4	50.4	57.9	51.7	50.2
215	19		22.5	11.0	11.5	15.9	16.2	24.0	17.3		18.2	12.4	15.1
216	12							43.7					