

Nr	Data	UT	nazwa	mag	ZC/SAO	typ	AA	A _k	h _k	F _k
		h								
1	I 1	17		6.9	3149	zc	29	234	7	+0.11
2	1	17		6.6	3152	zc	109	237	5	+0.11
3	2	17		7.8	3282	zc	91	233	13	+0.18
4	4	15	29 Piscium	5.1	3535	zc	79	177	36	+0.37
5	4	15		6.9	3537	zc	32	185	36	+0.37
6	4	19	4 (Ceti)/Piscium	6.4	12	zc	138	239	19	+0.38
7	4	19	5 (Ceti)/Piscium	6.2	13	zc	124	242	19	+0.38
8	4	19		7.1	15	zc	81	244	18	+0.38
9	5	17		7.0	128	zc	99	202	40	+0.49
10	7	16	mu Ceti	4.3	405	zc	96	137	43	+0.71
11	9	14	sigma 2 Tauri	4.7	704	zc	153	88	19	+0.89
12	9	23		5.5	741	zc	60	246	40	+0.91
13	10	17	130 Tauri	5.5	878	zc	146	105	32	+0.96
14	13	4		6.0	1238	oc	320	274	18	-0.99
15	18	4		7.1	1802	oc	255	195	38	-0.67
16	20	3	94 Virginis	6.5	2020	oc	255	152	28	-0.48
17	22	4		6.3	2245	oc	320	160	23	-0.29
18	30	16		8.3	3372	zc	99	239	14	+0.08
19	II 1	17		7.7	109441	zc	116	235	23	+0.23
20	2	19	nu Piscium	4.5	249	zc	77	250	23	+0.34
21	3	15		7.0	110566	zc	82	171	48	+0.44
22	3	23	mu Ceti	4.3	405	zc	86	284	2	+0.47
23	4	16		6.3	498	zc	106	169	53	+0.56
24	4	18	5 Tauri	4.1	508	zc	126	218	48	+0.57
25	4	19	5 Tauri	4.1	508	oj	205	232	43	+0.57
26	5	13	Hyadum I = gamma Tauri	3.7	635	zc	17	105	32	+0.66
27	5	16	70 Tauri	6.6	659	zc	41	152	54	+0.67
28	5	17	71 Tauri (V777)	4.5	661	zc	123	159	55	+0.67
29	5	18	theta 1 Tauri	3.8	669	zc	74	188	56	+0.68
30	5	18	theta 2 Tauri	3.4	671	zc	86	183	54	+0.68
31	5	18		6.7	672	zc	34	201	55	+0.68
32	5	19	theta 2 Tauri	3.4	671	oj	244	218	51	+0.68
33	5	19	theta 1 Tauri	3.8	669	oj	270	212	51	+0.68
34	5	19		4.8	677	zc	44	218	52	+0.68
35	5	19		6.5	680	zc	40	211	49	+0.68
36	5	19	81 Tauri	5.5	678	zc	158	213	48	+0.68
37	5	20	85 Tauri	6.0	682	zc	136	231	47	+0.68
38	5	21		6.6	685	zc	39	247	39	+0.69
39	5	23	89 Tauri	5.8	699	zc	126	268	23	+0.69
40	6	16	111 Tauri	5.0	806	zc	119	119	42	+0.77
41	6	18	115 Tauri	5.4	814	zc	11	157	57	+0.78
42	8	23	74 Geminorum	5.0	1158	zc	36	235	45	+0.95
43	12	3	TX Leonis = 49 Leonis	5.6	1550	oc	332	251	25	-0.99
44	15	0		6.7	1864	oc	352	150	31	-0.83
45	15	2	46 Virginis	6.2	1869	oc	297	184	35	-0.83
46	15	4	48 Virginis	6.7	1875	oc	315	221	27	-0.82
47	16	4		6.9	1985	oc	245	205	28	-0.74
48	20	2		6.6	2441	oc	279	134	8	-0.38
49	21	3		6.8	2571	oc	244	136	8	-0.28

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	17	10.8	10.7	11.1	11.8	10.8	11.8	11.1	10.2	09.8	11.2	10.1	09.7
2	17	27.7	29.7	40.2	43.4	34.7		30.6	30.5	26.0	35.0	33.9	30.2
3	17	24.7	25.9	31.4	33.7	28.6	32.2	27.0	25.4	22.2	29.5	27.1	24.5
4	15	19.7	19.3	19.0	21.9	19.2	23.7	21.8	16.0	13.7	21.7	15.2	13.7
5	15	53.0	51.6	47.2	48.6	49.4	51.5	53.3	48.4	48.7	51.5	46.2	46.5
6	18	60.4	62.9	80.0		69.3	76.8	64.2	63.5	57.5	69.8	68.1	62.8
7	19	13.5	15.3	25.1	28.3	19.9	24.6	16.5	15.6	11.0	20.4	18.7	15.0
8	19	33.3	34.1	38.3	40.0	36.1	38.7	35.0	33.7	31.2	36.7	34.9	33.1
9	17	29.2	29.7	33.1	36.5	31.3	36.6	32.0	27.2	23.6	33.5	27.7	25.1
10	16	08.5	07.6	05.6	07.8	06.6	10.2	09.9	04.3	03.2	09.0	03.0	02.2
11	14						36.7	33.8					
12	23	16.6	16.5	17.7	19.8	17.1	20.4	18.4	14.3	11.9	18.7	14.3	12.6
13	17	17.1	18.1					20.4	17.0	12.7			15.4
14	4	28.9	30.9	38.6	39.1	34.8	35.5	30.0	33.6	31.4	33.6	36.6	34.8
15	3	58.2	58.5	60.6	64.4	59.7	65.8	61.5	54.8	50.6	62.7	54.6	51.8
16	2	64.4	63.5	60.6	63.5	62.3	67.1	66.5	58.9	56.9	65.6	56.9	55.8
17	4	50.9	51.4	54.1	56.2	52.8	56.1	52.7	50.2	48.0	54.1	50.7	49.1
18	16			36.7	38.9		37.0	31.8			34.3		
19	17	57.7	60.2					61.4	61.3	55.3			60.8
20	19	17.8	18.5	22.2	23.8	20.3	22.8	19.5	18.0	15.6	20.9	19.0	17.2
21	15						40.5						
22	23									30.9			
23	16	28.2	28.1	29.6	33.0	28.8	33.9	30.7	25.0	22.2	31.3	24.8	22.7
24	18	30.5	31.8	40.0	44.0	35.5	41.5	34.0	30.5	25.7	37.1	32.7	29.0
25	19	31.7	31.3	28.7	30.0	30.5	33.2	33.3	28.4	26.8	32.6	27.0	26.4
26	13			59.8	58.2	67.0	63.3				68.0	66.0	
27	16	58.3	55.7	47.5	48.5	51.3	52.9	57.7	51.1	53.0	53.8	47.5	48.8
28	16	58.6	58.8	61.8	65.5	60.1	65.7	61.3	55.9	52.7	62.5	56.2	53.7
29	18	15.8	15.2	14.3	16.9	14.7	18.8	17.6	11.8	09.8	17.2	10.8	09.4
30	18	14.0	13.9	15.4	18.5	14.6	19.3	16.3	10.9	08.1	16.9	10.8	08.8
31	18	58.9	54.4	45.2	46.8	49.0	51.2	57.2	48.3	50.6	52.1	44.3	45.2
32	19	26.5	26.9	28.5	31.0	28.0	32.2	29.0	24.5	21.4	30.1	24.5	22.6
33	19	24.2	25.0	28.9	31.7	27.3	31.9	27.1	23.3	19.4	29.1	24.2	21.5
34	19	37.9	36.0	31.8	33.9	33.7	36.8	38.6	31.5	31.0	36.3	29.4	29.0
35	19	35.5	34.7	33.4	35.8	34.0	37.7	37.1	31.2	29.5	36.3	30.1	28.9
36	19	40.7											
37	19	60.5	62.4	72.7	76.2	67.1	72.3	63.9	62.3	57.1	67.9	65.7	61.5
38	21	17.2	15.1	11.8	13.6	13.0	15.9	17.8	10.9	10.0	15.4	09.3	08.5
39	23	04.6	06.5	15.4	16.3	10.8	12.4	06.2	08.9	05.7	09.8	12.3	09.8
40	16	08.5	08.1	08.7	11.5	08.2	12.4	10.2	05.4	03.6	10.3	05.0	03.6
41	18			02.2	00.1								
42	23		38.2	33.6	36.5	35.0	40.3		31.1	28.7	39.3	29.3	27.7
43	3	43.5	45.7	54.4	55.6	50.0	51.9	45.3	48.0	44.9	49.2	51.2	48.8
44	0	11.8	14.7	23.2	24.9	19.3	21.3	13.5	17.1	14.2	18.4	19.8	17.6
45	2	12.7	13.5	17.8	20.8	15.8	20.6	15.5	11.7	08.0	17.6	12.7	10.0
46	4	22.6	24.3	32.0	34.5	28.2	32.2	25.4	24.5	20.4	28.8	26.9	23.9
47	4			31.5								25.5	22.4
48	2	28.9	28.0	24.8	26.2	26.4	28.8	29.7	25.1		28.4	23.4	23.3
49	3	24.9	23.4	17.9	19.8	20.9	24.0	26.0	19.0		23.8	16.3	16.3

Nr	Data	UT	nazwa	mag	ZC/SAO	typ	AA	A _k	h _k	F _k
		h								
50	II 22	4		6.3	2724	oc	280	145	12	-0.20
51	28	17		7.8	61	zc	21	261	7	+0.05
52	III 2	17		6.8	110464	zc	107	240	32	+0.20
53	2	19		7.6	110502	zc	96	266	14	+0.21
54	3	20		7.3	93398	zc	107	266	19	+0.31
55	3	21		6.0	491	zc	82	283	6	+0.32
56	4	19	48 Tauri	6.3	626	zc	74	240	40	+0.42
57	4	21	Hyadum I = gamma Tauri	3.7	635	zc	53	266	23	+0.42
58	4	21	Hyadum I = gamma Tauri	3.7	635	oj	295	276	15	+0.43
59	4	23	71 Tauri (V777)	4.5	661	zc	90	293	2	+0.44
60	5	23	111 Tauri	5.0	806	zc	105	284	11	+0.55
61	6	17		6.4	934	zc	121	161	55	+0.64
62	6	19		6.6	951	zc	88	220	51	+0.65
63	8	19		6.0	1238	zc	106	173	55	+0.84
64	8	23		7.0	1247	zc	117	244	39	+0.85
65	9	0		6.7	1258	zc	61	265	24	+0.86
66	14	21	65 Virginis	5.9	1921	oc	355	124	18	-0.94
67	14	22	66 Virginis	5.8	1924	oc	328	142	26	-0.94
68	15	3	74 Virginis	4.7	1941	oc	270	231	19	-0.94
69	19	2	24 (Scorpii)/Ophiuchi	4.9	2399	oc	292	160	18	-0.64
70	30	11	mu Ceti	4.3	405	zc	73	144	43	+0.08
71	IV 1	18		7.3	94220	zc	150	246	38	+0.27
72	1	18		5.5	741	zc	50	248	37	+0.27
73	5	17	54 Cancri	6.4	1323	zc	51	152	51	+0.71
74	6	18	18 Leonis	5.7	1439	zc	179	160	47	+0.81
75	6	20	21 Leonis	6.9	1448	zc	79	207	47	+0.81
76	14	1	gamma Librae	3.9	2223	oc	321	190	23	-0.93
77	28	10	Hyadum I = gamma Tauri	3.7	635	zc	88	135	46	+0.06
78	28	11	Hyadum I = gamma Tauri	3.7	635	oj	242	158	52	+0.06
79	28	15	theta 1 Tauri	3.8	669	zc	121	232	44	+0.07
80	28	15	theta 2 Tauri	3.4	671	zc	159	238	41	+0.07
81	28	15	theta 2 Tauri	3.4	671	oj	185	242	39	+0.07
82	28	18	Aldebaran = alpha Tauri	0.9	692	zc	49	275	17	+0.07
83	28	19	Aldebaran = alpha Tauri	0.9	692	oj	301	283	11	+0.08
84	30	19		7.5	96047	zc	47	271	23	+0.25
85	30	21		7.3	96110	zc	104	285	11	+0.25
86	30	21		6.4	1040	zc	133	287	10	+0.26
87	V 1	17	74 Geminorum	5.0	1158	zc	127	231	49	+0.35
88	3	19		6.8	1413	zc	166	219	45	+0.57
89	3	20		6.7	1422	zc	80	242	35	+0.58
90	4	23	TX Leonis = 49 Leonis	5.6	1550	zc	111	264	16	+0.69
91	8	0	46 Virginis	6.2	1869	zc	75	239	18	+0.92
92	24	8	mu Ceti	4.3	405	oc	237	170	48	-0.04
93	28	20		6.8	1114	zc	66	288	9	+0.13
94	28	21		6.9	1124	zc	73	294	5	+0.13
95	VI 3	19	Porrima = gamma Virginis	2.8	1821	zc	90	193	36	+0.72
96	3	19		3.5	54027	zc	89	193	36	+0.72
97	3	20	Porrima = gamma Virginis	2.8	1821	oj	323	214	32	+0.73
98	3	20		3.5	54027	oj	323	214	32	+0.73

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	4	54.6	53.9	51.8	53.8	53.0			50.8	49.5		49.4	48.8
51	17	56.7	55.2	52.3	52.4	53.4	53.3	55.7	53.7	54.7	53.9	52.5	53.0
52	17	25.0	26.6	34.7	37.3	30.4	34.4	27.8	26.7	22.5	31.0	29.2	26.0
53	19	31.1	32.4	38.4	39.3	35.3	36.8	32.5	33.6	31.2	34.9	35.8	33.9
54	20	09.5	11.1	18.3	19.3	14.6	16.3	11.1	12.6	09.8	14.1	15.2	13.0
55	21	43.9	44.9	48.8	49.0	46.8	47.1	44.5	46.3	45.0	46.2	47.9	46.9
56	18	58.6	59.2	62.7	64.9	60.9	64.4	60.7	57.8	54.8	62.2	58.7	56.6
57	20	60.8	61.1	63.3	64.4	62.2	64.0	62.0	60.4	58.6	62.8	61.1	59.8
58	21	46.6	48.6	55.6	56.1	52.2	53.0	47.8	51.0	48.7	51.2	53.6	51.9
59	23	34.9	35.9						37.8	37.2			38.8
60	23	23.6	24.9	30.4	30.6	27.6	27.9	24.3	26.9	25.4	26.6	29.2	27.9
61	17	08.8	09.3	14.1	17.8	11.5	17.0	11.7	07.2	03.3	13.5	08.2	05.3
62	19	37.2	37.7	41.8	44.6	39.7	44.2	39.8	35.9	32.2	41.4	36.9	34.2
63	19	29.9	30.2	33.4	36.4	31.8	36.6	32.6	27.8	24.4	33.8	28.4	25.9
64	22	55.9	57.5	64.8	66.7	61.2	64.3	58.2	58.1	54.4	61.4	60.6	57.9
65	0	39.2	40.0	43.8		42.0		41.0	39.6	37.0		40.9	39.0
66	21			11.3	12.3	07.8	09.1		06.4			09.1	07.4
67	22	13.6	14.2	16.9	18.6	15.7	18.3	15.1	13.6	11.6	16.5	14.2	12.8
68	3	41.4	42.8	48.9	51.4	45.9	50.0	44.1	42.2	38.1	46.9	44.1	41.2
69	2	09.4	09.2	09.4	12.0	09.4	13.6	11.5	06.3	04.1	11.7	05.8	04.3
70	10	65.2	64.2	61.2	63.1	62.8	65.7	66.4	60.8	60.1	65.0	59.2	58.8
71	18		00.0			08.4	12.3	00.1	03.9		06.7	12.8	
72	18	12.6	12.5	13.9	15.8	13.2	16.3	14.3	10.5	08.1	14.7	10.6	08.9
73	17						14.2						
74	18	26.3	31.9					29.9					
75	20	35.3	35.7	38.7	41.9	37.2	42.6	38.5	32.8	28.9	39.6	33.3	30.6
76	1	15.4	16.5	22.0	25.0	19.3	24.1	18.3	15.3	11.5	20.8	16.8	14.0
77	10	28.1	27.2	25.1	27.1	26.1	29.4	29.3	24.0	23.1	28.4	22.6	22.0
78	11	35.2	34.4	31.3	33.0	33.2	36.1	36.7	31.0	29.7	35.6	29.4	28.8
79	14	57.0	58.7	68.2	71.1	63.1	67.7	60.0	58.8	54.0	63.7	61.9	58.1
80	15	09.5	13.5					13.6	18.3	09.5	22.8		
81	15								33.4		38.0		
82	18	20.9	21.2	23.1	23.9	22.1	23.4	21.8	20.8	19.4	22.5	21.5	20.4
83	19	00.6	02.5	09.2	09.3	05.9	06.0	01.4	05.2	03.5	04.6	07.8	06.5
84	19	54.7	54.9	56.9	58.2	55.9	58.1	56.2	53.9	51.8	56.8	54.5	53.1
85	21	10.7	12.0	17.1	17.2	14.5	14.7	11.3	13.9	12.5	13.6	16.0	14.8
86	21	17.7	19.3	25.7	25.6	22.5	22.2	18.2	22.2	20.8	21.0	24.8	23.6
87	17				44.4		42.1						
88	19	10.1	12.7	25.0	26.5	18.5	21.3	12.7	15.5	11.2	17.5	20.5	17.0
89	20	41.2	42.2	47.3	49.7	44.8	48.7	43.8	41.3	37.6	46.0	42.9	40.2
90	23	22.6	24.2	30.7	31.7	27.5	29.0	24.1	25.7	23.1	27.0	28.1	26.2
91	0	16.1	17.4	23.1	25.2	20.3	23.8	18.6	17.0	13.3	21.1	18.8	16.2
92	8			41.6	43.3		46.2				45.5		
93	20			02.8	03.1		01.8						
94	21												03.2
95	19	15.5	16.0	19.5	22.9	17.8	23.5	18.8	13.1	09.0	20.3	13.7	10.8
96	19	16.2	16.6	20.1	23.5	18.4	24.2	19.5	13.8	09.6	21.0	14.3	11.5
97	20	22.4	24.2	32.0	34.5	28.1	32.0	25.1	24.5	20.4	28.6	27.0	23.9
98	20	22.8	24.5	32.4	34.9	28.5	32.4	25.5	24.9	20.8	29.0	27.4	24.3

Nr	Data	UT	nazwa	mag	ZC/SAO	typ	AA	A _k	h _k	F _k
		h								
99	V 3	20		5.9	1825	zc	58	219	30	+0.73
100	4	22	74 Virginis	4.7	1941	zc	176	231	19	+0.82
101	11	0	21 Sagittarii	4.9	2666	oc	186	181	16	-0.98
102	17	2		6.4	3463	oc	281	137	24	-0.54
103	19	0	33 Ceti	6.0	170	oc	314	92	5	-0.33
104	19	1	35 Ceti	6.6	178	oc	273	101	12	-0.33
105	20	0		6.8	306	oc	297	87	7	-0.23
106	22	7	Hyadum I = gamma Tauri	3.7	635	zj	98	151	51	-0.05
107	22	8	Hyadum I = gamma Tauri	3.7	635	oc	232	176	54	-0.05
108	22	12	theta 2 Tauri	3.4	671	zj	162	247	36	-0.04
109	22	12	theta 2 Tauri	3.4	671	oc	182	249	34	-0.04
110	22	13	theta 1 Tauri	3.8	669	oc	215	255	32	-0.04
111	22	15	Aldebaran = alpha Tauri	0.9	692	zj	53	282	11	-0.04
112	22	16	Aldebaran = alpha Tauri	0.9	692	oc	293	289	6	-0.04
113	26	19	omicron 1 Cancri	5.2	1336	zc	72	280	12	+0.10
114	VII 4	18	gamma Librae	3.9	2223	zc	101	168	23	+0.83
115	14	1	chi Aquarii	4.9	3421	oc	255	158	28	-0.78
116	20	0	sigma 2 Tauri	4.7	704	oc	190	68	3	-0.16
117	20	0	89 Tauri	5.8	699	oc	240	68	3	-0.16
118	25	7	Merkury	0.2	—	zc	174	92	16	+0.05
119	25	7	Merkury	0.2	—	oj	210	96	19	+0.05
120	28	19		6.7	1864	zc	134	245	16	+0.32
121	VIII 6	21	pi Capricorni	5.1	2981	zc	77	174	20	+0.99
122	7	18		8.7	164201	oc	334	116	1	E0.84
123	14	0	xi 2 Ceti	4.3	364	oc	260	115	29	-0.62
124	15	0		6.0	491	oc	326	104	28	-0.50
125	15	2		6.3	498	oc	277	131	42	-0.49
126	15	3	5 Tauri	4.1	508	zj	68	145	47	-0.49
127	15	4	5 Tauri	4.1	508	oc	252	171	51	-0.49
128	15	23	58 Tauri (V696)	5.3	640	oc	178	81	12	-0.39
129	15	23	Hyadum I = gamma Tauri	3.7	635	zj	354	81	13	-0.39
130	15	23	Hyadum I = gamma Tauri	3.7	635	oc	335	83	15	-0.39
131	16	1	71 Tauri (V777)	4.5	661	zj	107	108	34	-0.38
132	16	2	70 Tauri	6.6	659	oc	304	118	39	-0.38
133	16	2	71 Tauri (V777)	4.5	661	oc	221	122	41	-0.38
134	16	2	theta 1 Tauri	3.8	669	zj	67	125	43	-0.38
135	16	2	theta 2 Tauri	3.4	671	zj	87	125	43	-0.38
136	16	4	theta 2 Tauri	3.4	671	oc	241	146	50	-0.37
137	16	4	theta 1 Tauri	3.8	669	oc	261	147	51	-0.37
138	16	7	Aldebaran = alpha Tauri	0.9	692	zj	45	215	51	-0.36
139	16	8	Aldebaran = alpha Tauri	0.9	692	oc	295	233	44	-0.36
140	17	3	115 Tauri	5.4	814	oc	277	115	40	-0.26
141	18	2		6.8	985	oc	286	88	23	-0.17
142	19	1		7.3	96897	oc	353	69	7	-0.09
143	19	1		6.9	1124	oc	249	70	8	-0.09
144	29	18		6.7	2396	zc	115	209	16	+0.54
145	29	19	24 (Scorpii)/Ophiuchi	4.9	2399	zc	22	218	14	+0.54
146	IX 4	22	Kuh = mu Capricorni	5.1	3206	zc	354	202	22	+0.98
147	7	21		6.1	49	oc	210	131	25	-0.97

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	20	47.5	47.9	50.9	54.5	49.5	55.6	51.2	44.3	39.7	52.4	44.9	41.8
100	22	24.5	26.9	38.6	40.8	32.4	35.6	27.1	29.4	25.2	31.7	33.8	30.6
101	0	25.2						23.9		14.9			
102	2			10.2	12.5				08.4	06.6		07.2	06.1
103	0				13.2		13.9						
104	1			18.7	19.0		21.8					19.1	19.8
105	0				54.9								
106	7	45.5	45.2	45.7	48.6	45.4	49.9	47.6	42.1	39.9	47.8	41.6	40.0
107	8	52.2	51.5	48.4	50.1	50.3	53.4	53.8	48.0	46.5	52.8	46.5	45.8
108	12	28.5	34.5					32.4					
109	12	49.8	46.1					50.0					
110	12	63.0	63.0	62.0	63.4	63.0	65.5	64.5	61.1	59.5	64.6	60.2	59.5
111	15	23.2	23.6	25.7	26.1	24.7	25.4	23.8	23.8	22.7	24.7	24.6	23.8
112	16	03.8	05.4					04.2	08.1	07.0		10.4	09.4
113	19			17.4	18.0								
114	18	41.9	41.8	43.0	46.0	42.5	47.5	44.5	38.7	35.7	45.0	38.5	36.5
115	1	13.8	13.2	11.6	13.9	12.6	16.6	15.9	09.6	07.6	15.2	08.4	07.2
116	0	32.6	30.6	20.0		25.8	21.5	30.1	29.2	33.1	25.8		
117	0	22.7	21.3		14.3		16.4	21.1			18.6		
118	7	39.6	42.5					42.9		39.0			
119	7	64.9	59.2					61.5		59.1			
120	19			14.1	15.9								
121	21	45.3	45.1	45.5	48.6	45.4	50.2	47.8	41.7	38.9	48.0	41.1	39.3
122	18			09.8	09.7								
123	0	08.9	07.7	03.1	03.9	05.5	07.1	09.4	04.7	04.8	07.4	02.7	03.0
124	0				20.6								
125	2	16.6	16.0	14.4	16.4	15.4	18.9	18.4	12.8	10.8	17.8	11.7	10.7
126	2	66.1	65.0	61.7	63.6	63.3	66.4	67.2	61.4	60.7	65.7	59.6	59.2
127	4	16.7	16.4	15.6	17.9	16.2	20.2	18.9	13.2	10.7	18.7	12.3	10.9
128	23	49.3	46.1					45.1	43.3	49.3			43.1
129	23				23.6								
130	23				32.5								
131	1	52.4	51.5	49.2	50.8	50.2	52.9	53.2	48.7	48.3	52.1	47.4	47.1
132	2	27.6	28.1	29.2	31.6	29.0	33.3	30.6	25.4	21.7	31.3	25.4	23.4
133	2	50.0	48.2	40.8	40.8	44.7	45.2	49.9	44.7	45.7	46.7	41.8	42.9
134	2	62.2	60.8	56.2	57.5	58.5	60.6	62.7	57.4	57.5	60.6	55.2	55.4
135	2	60.9	59.9	57.1	59.0	58.5	61.5	61.9	56.6	56.0	60.7	55.1	54.7
136	4	09.3	08.3	04.5	06.0	06.6	09.4	10.6	04.8	03.7	09.1	02.9	02.6
137	4	09.1	08.5	06.8	08.9	07.9	11.5	10.9	05.2	03.3	10.3	04.0	03.0
138	7	09.8	08.7	06.8	09.0	07.6	11.1	11.1	05.0	03.6	10.0	03.7	02.7
139	7	59.4	61.6	70.0	72.6	66.1	70.5	62.7	62.0	57.0	66.9	64.6	61.3
140	3	23.4	22.7	20.3	21.7	21.7	24.3	24.7	19.9	18.8	23.7	18.6	18.1
141	2	19.8	18.9	15.6	15.9	17.3	18.1	19.9	17.1	17.3	18.5	15.7	16.1
142	1			31.5	32.8	27.1	31.9				28.1		
143	1	39.8	38.4	32.4	31.2	35.5	33.6	38.4	37.2	39.6	35.7	35.2	37.0
144	18			53.7	56.9	50.5			45.9			47.8	44.5
145	19			24.7	25.5		29.4						
146	22			48.9	48.2		51.7				55.3		
147	21	11.1	09.4	02.7	03.1	06.2	07.1	11.1	05.9	06.6	08.2	03.2	04.0

Nr	Data	UT	nazwa	mag	ZC/SAO	typ	AA	A _k	h _k	F _k
		h								
148	IX 8	4	14 Ceti	5.9	76	oc	305	241	20	-0.96
149	9	3		6.6	210	oc	206	225	33	-0.91
150	10	2		6.8	110464	oc	303	196	46	-0.83
151	11	0		6.0	462	oc	318	135	43	-0.75
152	12	0		6.0	608	oc	307	120	40	-0.64
153	12	7	Hyadum I = gamma Tauri	3.7	635	oc	244	250	35	-0.62
154	14	3		7.4	95390	oc	319	135	51	-0.40
155	14	4		6.6	943	oc	241	148	54	-0.40
156	14	23		7.3	96439	oc	288	74	11	-0.30
157	15	1		7.7	96575	oc	314	100	32	-0.29
158	16	2		8.2	97610	oc	254	93	24	-0.19
159	17	1		7.9	98365	oc	321	77	9	-0.11
160	17	1	73 Cancri	7.6	1356	oc	331	75	7	-0.11
161	17	2		7.4	1360	oc	214	79	10	-0.11
162	17	4	81 Cancri	6.5	1371	oc	314	101	28	-0.11
163	18	2		7.1	1476	oc	262	77	4	-0.05
164	27	16		6.2	2591	zc	141	189	17	+0.46
165	29	19	56 Sagittarii	4.9	2886	zc	153	207	15	+0.66
166	X 3	22	chi Aquarii	4.9	3421	zc	83	205	28	+0.96
167	10	0		7.1	729	oc	299	132	47	-0.77
168	10	3		5.5	741	oc	208	211	52	-0.76
169	11	0		6.8	886	oc	249	115	41	-0.67
170	11	0		7.0	94927	oc	220	115	41	-0.67
171	11	4		7.1	904	oc	262	204	55	-0.65
172	12	3		7.3	1060	oc	320	157	56	-0.54
173	13	1		7.3	1192	oc	290	110	37	-0.43
174	14	1	52 Cancri	7.4	1324	oc	284	91	21	-0.33
175	14	4	omicron 2 Cancri	5.7	1337	oc	246	137	47	-0.31
176	15	2	23 Leonis	6.5	1449	oc	360	101	26	-0.22
177	17	3		8.4	1686	oc	344	99	13	-0.07
178	28	19		6.7	3091	zc	75	204	17	+0.58
179	XI 1	22	15 Ceti	6.6	83	zc	44	217	32	+0.93
180	2	19		6.6	210	zc	72	143	36	+0.97
181	5	19	Hyadum I = gamma Tauri	3.7	635	oc	230	101	29	-0.96
182	5	22	70 Tauri	6.6	659	oc	205	141	49	-0.95
183	6	0	75 Tauri	5.0	667	oc	257	182	55	-0.95
184	6	0		6.7	672	oc	204	181	55	-0.95
185	6	0		4.8	677	oc	196	187	53	-0.95
186	6	3	Aldebaran = alpha Tauri	0.9	692	zj	129	239	42	-0.95
187	6	3	Aldebaran = alpha Tauri	0.9	692	oc	214	250	36	-0.95
188	6	23		6.7	823	oc	251	137	51	-0.89
189	7	0	119 Tauri (CE)	4.3	832	oc	275	172	57	-0.89
190	7	0		6.8	829	oc	207	148	52	-0.89
191	7	1	120 Tauri	5.7	836	oc	255	188	57	-0.89
192	7	5	127 Tauri	6.7	863	oc	347	255	34	-0.87
193	8	0	22 Geminorum	7.1	1006	oc	297	138	52	-0.80
194	9	0		6.9	1151	oc	324	125	46	-0.70
195	9	5	81 Geminorum	4.9	1175	oc	286	230	48	-0.68
196	13	1	Shang Tseang = sigma Leo	4.1	1644	oc	210	98	14	-0.26

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									58.4			65.9
149	3	23.5	23.0	19.9	20.3	21.9	23.4	24.5	20.7	19.7	23.5	19.3	19.1
150	2	19.6	23.4	34.1	38.2	29.7	37.1	26.5	22.3	11.5	31.9	25.7	20.2
151	0			27.2	31.4	23.8	31.9	20.9			27.0	18.6	
152	0	28.6	29.4	31.5	34.1	30.9	35.7	32.2	26.7	21.9	33.3	27.1	24.6
153	7	07.8	08.6	11.5	13.2	10.3	13.2	09.8	07.7	05.0	11.3	08.4	06.6
154	3								39.2	31.4		41.7	37.6
155	4	08.1	07.1	02.9		05.4			03.2	02.1		01.2	00.9
156	23				37.5		39.2	41.9			40.3		
157	1			56.2	57.8		58.8						
158	2	18.3						17.7					
159	1				37.6		38.2				38.0		
160	1						22.8						
161	2	13.7	10.2					10.3		12.4			
162	4								05.3	03.4		05.3	04.3
163	2	32.3	31.0	25.3	24.3	28.2	26.8	31.2	29.7		28.7	27.7	29.3
164	16			46.5	50.3		49.3				45.4		
165	19	34.5	37.1			44.8		40.2	35.8	28.0	47.6	40.3	33.6
166	22	36.6	37.1	40.9	43.9	39.0	43.8	39.2	35.2	31.7	40.9	35.8	33.4
167	0	08.4	09.0	11.1	13.8	10.4	15.3	11.6	06.4	02.5	12.8	06.7	04.3
168	3	43.8	42.7	35.9	36.9	40.3	43.1	45.3	38.4	37.4	43.3	35.5	35.6
169	0	15.0	13.7	08.6	09.3	11.3	12.8	15.5	10.5	10.5	13.3	08.3	08.7
170	0	18.9	17.0	08.4	08.0	13.0	13.1	18.6	13.4	14.7	15.0	10.1	11.6
171	4	17.5	18.0	20.4	23.2	19.5	24.1	20.2	15.7	12.3	21.6	16.0	13.8
172	3	16.0	18.9	27.4	30.8	23.7	29.4	20.7	18.6	12.5	25.2	21.0	17.3
173	1	43.8	43.4	42.0	43.4	42.9	45.5	45.1	41.1	39.8	44.6	40.2	39.5
174	0	63.0	62.1	58.6	58.9	60.5	61.1	63.1	60.3	60.7	61.6	58.9	59.4
175	4	16.8	15.6	10.6	12.4	13.6	16.9	18.3	11.4	10.5	16.5	08.9	08.8
176	2				31.8								
177	3	32.9	35.5	41.0	41.9	38.9	40.7	35.2	37.2	34.5	38.7	39.0	37.6
178	19			28.9	31.8				22.8	19.2		23.8	21.3
179	22	38.1	37.6	37.4	39.1	37.5	40.1	39.2	35.6	34.3	39.0	34.9	34.0
180	19	28.6	27.6	24.6	26.5	26.1	29.3	29.8	24.2	23.3	28.5	22.5	22.0
181	19	54.8	53.2	46.5	46.2	50.0	49.7	54.3	50.6	52.0	51.3	48.0	49.4
182	22	32.4	30.4			26.3		32.3	26.4	27.5	28.5	22.9	24.4
183	0	14.8	14.8	15.3	17.6	15.2	19.4	17.2	11.9	09.1	17.6	11.5	09.8
184	0	16.9	15.3			11.8		17.7	11.0	11.0	14.5	07.6	08.5
185	0	56.2	53.4					55.9		49.6			
186	2	55.4	57.5	68.6	71.3	62.6	66.9	58.4	58.4	53.4	62.7	62.3	58.3
187	3	47.1	47.1	45.4	47.0	46.8	49.5	48.7	44.7	43.0	48.6	43.6	42.9
188	23	22.0	21.1	17.8	19.3	19.7	22.5	23.3	17.7	16.7	22.0	16.1	15.6
189	0	48.7	49.0	50.8	53.5	50.2	54.8	51.4	46.5	43.2	52.4	46.5	44.5
190	0	13.5	10.8					13.2	05.4	07.4			02.6
191	1	29.4	29.5	30.0	32.5	30.0	34.3	31.9	26.7	23.8	32.3	26.2	24.5
192	5								35.9	30.4			38.7
193	0	24.0	24.6	26.9	29.6	26.0	30.6	26.9	22.4	18.9	28.1	22.6	20.5
194	0	33.0	35.5	42.0	44.9	39.4	44.4	37.4	35.0	29.6	41.0	36.8	33.7
195	5	21.6	23.0	29.2	31.7	26.3	30.2	24.3	22.7	18.7	27.2	24.5	21.7
196	1	47.3	43.9			34.0		45.8	38.1	42.5	38.2		34.6

Nr	Data	UT	nazwa	mag	ZC/SAO	typ	AA	A _k	h _k	F _k
		h								
197	XI 13	1	Shang Tseang = sigma Leo	4.1	1644	zj	182	97	13	-0.27
198	13	4		7.4	1656	oc	249	133	35	-0.26
199	14	1	10 Virginis	6.0	1749	oc	252	92	4	-0.18
200	16	4		8.4	139582	oc	232	110	6	-0.05
201	16	4		7.7	139592	oc	266	119	13	-0.05
202	21	15	15 Sagittarii	5.3	2638	zc	97	212	12	+0.09
203	21	16	17 Sagittarii	7.0	2642	zc	56	224	7	+0.09
204	24	17		6.2	3041	zc	128	206	17	+0.31
205	25	20	45 Capricorni	6.0	3181	zc	65	239	5	+0.41
206	28	19		6.7	20	zc	67	198	34	+0.71
207	28	21		6.6	128661	zc	103	235	22	+0.71
208	29	20	26 Ceti	6.1	150	zc	90	197	39	+0.80
209	29	22	29 Ceti	6.4	165	zc	64	239	25	+0.81
210	30	0	33 Ceti	6.0	170	zc	15	259	12	+0.82
211	XII 5	3	71 Orionis	5.2	947	oc	233	252	38	-0.97
212	6	23		6.5	1241	oc	211	118	40	-0.84
213	8	6		6.8	1396	oc	225	241	39	-0.72
214	8	21	Regulus = alpha Leonis	1.4	1487	zj	136	78	5	-0.65
215	8	22	Regulus = alpha Leonis	1.4	1487	oc	248	86	12	-0.64
216	9	1		7.2	1501	oc	284	133	42	-0.63
217	10	9	Shang Tseang = sigma Leo	4.1	1644	oc	254	254	19	-0.49
218	11	1		6.7	1728	oc	318	107	18	-0.42
219	13	1	80 Virginis	5.7	1950	oc	296	105	5	-0.23
220	14	5		6.6	2072	oc	294	143	22	-0.14
221	23	18	42 Aquarii	5.3	3268	zc	69	239	8	+0.24
222	28	19	xi 2 Ceti	4.3	364	zc	101	201	46	+0.75
223	28	21		7.0	110566	zc	13	226	39	+0.75
224	29	19		6.0	491	zc	85	175	52	+0.84
225	29	21		6.3	498	zc	126	216	47	+0.85
226	29	23	5 Tauri	4.1	508	zc	147	249	32	+0.85
227	30	15	48 Tauri	6.3	626	zc	94	93	22	+0.91
228	30	17	Hyadum I = gamma Tauri	3.7	635	zc	110	113	37	+0.92
229	30	18	Hyadum I = gamma Tauri	3.7	635	oj	215	127	44	+0.92
230	30	20	70 Tauri	6.6	659	zc	142	175	54	+0.92
231	30	21	75 Tauri	5.0	667	zc	83	205	53	+0.92
232	30	22		6.7	672	zc	143	216	51	+0.93
233	30	23		4.8	677	zc	155	231	44	+0.93
234	31	0		6.6	685	zc	145	248	35	+0.93
235	31	1	Aldebaran = alpha Tauri	0.9	692	zc	119	264	26	+0.93
236	31	2	Aldebaran = alpha Tauri	0.9	692	oj	228	273	19	+0.93
237	31	20		6.7	823	zc	124	149	54	+0.97
238	31	21	119 Tauri (CE)	4.3	832	zc	97	183	58	+0.98
239	31	22	120 Tauri	5.7	836	zc	115	206	55	+0.98

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	1										20.0		
198	4	12.5	11.1	05.0	07.0	08.6	12.1	13.9	06.4	05.8	11.8	03.4	03.5
199	1	31.2	29.5		20.7		24.7	30.1			26.9		
200	4	18.4	16.0	02.6	02.9	10.6	11.5	18.0			13.6		
201	4	60.4	59.1	54.1		56.8		60.8	56.0	56.3	58.8	53.8	54.2
202	15			10.5	13.6	07.6	12.5	06.6			09.2		
203	16	02.3	03.0	06.3	08.0	04.7	07.2	03.9			05.4		
204	17	08.7	10.6	21.7	28.5	15.8	24.4	13.3	09.2	02.8	17.9	12.0	07.2
205	20		21.7	25.3		23.5			21.9	20.2		23.0	21.7
206	19	34.0	34.1	35.8	38.5	35.0	39.2	36.2	31.7	29.1	36.9	31.7	29.8
207	21	48.7	50.2	58.4		54.0		51.3	50.3	46.2	54.7	52.8	49.6
208	20	13.2	13.8	17.6	21.2	15.6	21.0	16.1	11.4	07.7	17.8	12.1	09.4
209	22	47.6	48.0	50.9	52.4	49.4	51.9	49.0	47.2	45.1	50.2	47.9	46.4
210	0												28.9
211	3	40.9	41.5	43.8	45.7	42.9	45.9	42.8	40.2	37.6	44.1	40.6	38.9
212	23	18.3	14.5					17.1		11.8			
213	6	12.7	13.2					15.3	10.6	06.9		10.2	07.9
214	21	25.5	25.0	24.3	24.7	24.5	24.9	25.3	24.4	24.8	24.8	24.0	24.2
215	22	17.0	15.4	08.1	07.4	12.0	11.1	16.1	13.1	15.0	13.1	10.4	12.1
216	1	43.1	43.1	43.2	45.5	43.3	47.1	45.1	40.6	38.4	45.4	40.0	38.7
217	9									29.5			
218	1	08.7	09.1	10.0	11.1	09.8	11.5	09.8	08.5	07.4	10.5	08.6	08.0
219	1	62.5	62.0	59.8	60.2	61.0	61.6	62.6	60.9	61.2	61.8	59.9	60.2
220	5	36.0	35.9	36.1	38.2	36.1	39.4	37.6	33.6	31.8	37.9	33.1	32.0
221	18	57.6	58.5	62.5	63.7	60.4	62.4	58.9	58.5	56.5	60.6	59.8	58.2
222	19	50.2	50.9	56.4	60.3	53.5	59.2	53.2	48.9	44.8	55.4	50.0	47.0
223	21		18.8	10.4	11.3	13.6	14.6	20.7	13.8	17.7	15.7	10.3	11.6
224	19	33.6	33.5	35.0	38.0	34.2	39.0	36.0	30.6	27.9	36.5	30.3	28.4
225	21	19.5	21.3	32.6	37.0	26.3	32.6	23.2	20.9	15.3	27.4	24.2	19.7
226	23	13.4	16.1			23.1	27.3	16.5	18.7	13.1	22.2	25.2	19.6
227	15	32.9	31.7	27.5	27.8	29.5	30.2	32.7	29.5	30.4	30.7	27.7	28.5
228	17	22.4	21.7	20.8	23.1	21.2	24.8	23.8	18.9	17.8	23.3	17.9	17.0
229	18	17.5	15.7	08.0	07.9	12.2	12.6	17.4	12.1	13.0	14.2	09.1	10.2
230	20	26.2	28.6					31.2	28.0	20.6			26.6
231	21	45.4	45.7	48.4	51.2	46.9	51.3	47.8	43.4	40.3	48.9	43.8	41.6
232	22	07.6	09.9			16.2	22.7	11.5	10.4	04.1	16.8	15.2	09.8
233	22	59.8	63.4					63.8	67.7	59.1	72.8		
234	0	25.3	28.3					28.1		26.9			
235	1	17.2	18.9	26.5	27.6	22.6	24.4	18.8	20.5	17.5	22.0	23.3	21.0
236	2	09.4	10.0	12.1	12.8	11.2	12.5	10.4	10.0	08.5	11.5	10.5	09.6
237	20	28.7	29.2	34.2	38.2	31.4	37.1	31.6	27.0	23.3	33.5	27.9	25.1
238	21	51.1	51.3	54.3	57.3	52.8	57.4	53.7	48.9	45.7	54.8	49.4	47.0
239	22	31.2	32.3	38.8	41.9	35.3	40.3	34.2	30.9	26.7	36.8	32.8	29.6