

Nr	Data	UT	nazwa	mag	ZC/SAO	typ	AA	A _k	h _k	F _k
		h								
1	I 6	14	69 Aquarii	5.7	3343	zc	77	190	25	+0.19
2	6	16	tau Aquarii	4.1	3349	zc	32	206	19	+0.20
3	6	17	tau Aquarii	4.1	3349	oj	265	221	14	+0.20
4	7	16		7.2	3490	zc	45	203	26	+0.29
5	8	18		7.1	66	zc	89	229	24	+0.40
6	12	16		6.8	510	zc	67	132	46	+0.77
7	13	16	53 Tauri	5.5	633	zc	141	115	42	+0.84
8	13	16	51 Tauri	5.6	631	zc	4	108	42	+0.84
9	13	16	53 Tauri	5.5	633	oj	164	118	44	+0.84
10	13	19		7.1	76593	zc	94	163	58	+0.85
11	13	20	67 Tauri	5.3	657	zc	14	206	59	+0.85
12	16	18	40 Geminorum	6.4	1062	zc	61	98	41	+0.99
13	20	22	46 Leonis	5.4	1544	oc	286	118	36	-0.91
14	21	22		6.7	1647	oc	5	117	32	-0.85
15	22	4		6.7	1669	oc	295	225	36	-0.83
16	23	2		6.9	1758	oc	258	168	38	-0.75
17	24	0		6.7	1864	oc	308	123	19	-0.66
18	24	1	46 Virginis	6.2	1869	oc	280	143	27	-0.66
19	24	3	48 Virginis	6.7	1875	oc	332	175	33	-0.65
20	26	4	5 Librae	6.3	2105	oc	287	160	19	-0.43
21	26	5	alpha Librae	2.8	2118	zj	114	186	20	-0.42
22	26	6	8 Librae	5.2	2117	oc	305	202	18	-0.42
23	26	7	alpha Librae	2.8	2118	oc	305	208	16	-0.42
24	27	2		6.7	2230	oc	294	130	5	-0.33
25	II 5	17		7.0	128	zc	75	233	26	+0.23
26	10	1	51 Tauri	5.6	631	zc	80	295	9	+0.63
27	10	16		6.6	734	zc	141	136	53	+0.70
28	10	16		6.6	734	oj	167	145	56	+0.70
29	10	19	99 Tauri	5.8	742	zc	49	201	59	+0.70
30	11	0	103 Tauri	5.5	767	zc	36	289	16	+0.72
31	11	17		6.5	877	zc	52	140	57	+0.78
32	12	0		6.6	902	zc	23	276	28	+0.80
33	12	23		7.0	1046	zc	125	254	43	+0.87
34	13	0		6.8	1049	zc	143	262	38	+0.87
35	15	20		6.5	1393	zc	139	127	46	+0.99
36	19	1	7 Virginis	5.4	1733	oc	259	199	38	-0.94
37	19	22		5.9	1825	oc	256	133	24	-0.88
38	21	4	82 Virginis	5.0	1962	oc	327	212	22	-0.79
39	24	4		5.7	184381	oc	349	169	12	-0.47
40	24	4	rho Ophiuchi	5.0	2359	oc	348	169	12	-0.47
41	III 4	16	14 Ceti	5.9	76	zc	29	249	14	+0.04
42	4	17	15 Ceti	6.6	83	zc	98	260	6	+0.05
43	9	10	kappa Tauri	4.2	656	zc	31	84	24	+0.41
44	9	17		6.0	693	zc	5	211	59	+0.43
45	9	18		7.5	76683	zc	87	232	50	+0.43
46	9	22		6.3	716	zc	13	287	17	+0.45
47	10	17		6.7	77200	zc	108	197	60	+0.53
48	10	17	118 Tauri	5.8	822	zc	108	197	60	+0.53
49	21	4	lambda Virginis	4.5	2053	oc	295	231	10	-0.90

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	14						50.5	47.7			48.2		
2	16	12.5	12.3	12.1	13.5	12.2	14.4	13.4	10.6	09.7	13.4	10.2	09.5
3	17	13.3	14.4	18.7	20.5	16.8	20.0	15.8	13.6	09.9	17.8	14.9	12.5
4	16	41.9	41.8	42.3	44.3	42.0	45.2	43.4	39.7	38.0	43.7	39.3	38.2
5	18	58.8	60.2	68.5	72.2	64.0	69.2	61.7	59.7	55.3	65.1	62.0	58.6
6	16	37.3	36.0	31.8	33.7	33.9	37.0	38.3	32.2	31.9	36.4	30.1	30.0
7	16	31.0	34.6						30.2	21.5			25.5
8	16			09.3	07.0	17.5	12.4				17.7		
9	16		43.3						40.4				
10	19	22.9	23.2	27.7	32.2	25.2	31.9	26.2	20.1	16.0	27.9	20.7	17.5
11	20			41.9	43.3	47.6	49.1		48.3		51.3	42.1	44.5
12	18			12.7	12.9		16.9						
13	22	27.9	27.4	25.8	27.7	26.8	30.1	29.4	24.6	23.2	29.0	23.4	22.7
14	22			38.6	40.6								
15	4	47.4	49.0	56.0	58.2	52.6	56.0	49.9	49.2	45.3	53.0	51.5	48.6
16	2	38.4	38.4	39.5	43.4	39.2	45.3	41.6	34.3	30.4	42.3	33.4	30.9
17	0	21.1	21.1	21.2	22.6	21.2	23.4	22.2	19.7	18.6	22.4	19.4	18.6
18	1	46.1	45.8	45.5	48.1	45.8	49.9	48.1	42.9	40.8	48.1	42.0	40.7
19	3	36.8	38.1	43.9	45.8	41.0	43.9	38.7	38.3	35.3	41.4	40.1	37.8
20	4	14.0	14.1	15.4	17.9	14.8	18.8	16.1	11.6	09.1	16.8	11.4	09.7
21	5	58.1	58.8	62.8	65.7	60.9	65.6	60.9	57.0	53.4	62.6	57.9	55.4
22	6									57.1			
23	7	09.0	10.2	16.0	18.6	13.2	17.4	11.8	09.5	05.6	14.3	11.1	08.4
24	2			18.3	19.1		20.5				20.4		
25	17	45.5	46.5	52.1	54.7	49.2	53.0	47.8	45.8	42.5	50.1	47.4	44.8
26	1									02.0			
27	16	28.9	33.2					40.1	33.0	19.9			28.7
28	16							48.0	41.0				
29	19	08.3	07.4	06.2	09.0	06.7	11.2	10.2	03.5	01.4	09.5	02.2	00.8
30	0	55.3	55.6	57.3	58.0	56.4	57.6	56.2	55.2	53.8	56.8	55.9	54.9
31	17	35.2	33.5	28.3	30.2	30.8	33.9	36.0	29.2	29.1	33.6	26.6	26.7
32	0	24.1	23.3	23.4	25.2	23.2	26.7	26.3	20.4	17.9	25.4	20.3	18.7
33	23	30.8	33.0	42.6	44.0	37.7	40.1	33.1	35.1	31.3	37.1	38.8	35.8
34	0	09.0	11.7	22.9	23.3	17.1	18.0	10.7	15.6	12.4	15.3	20.3	17.7
35	19	62.1	62.9	69.4	72.4	65.8	70.2	64.6	62.0	58.4	66.9	63.9	61.0
36	1	51.2	51.7	54.7	58.9	53.4	59.9	54.8	47.8	42.7	56.5	47.5	44.1
37	22	45.3	43.6	34.9	37.6	40.2	44.3	46.8	37.8	37.4	44.1	33.2	33.8
38	4	21.5	22.9	29.6	31.8	26.2	29.7	23.9	23.1	19.5	26.8	25.2	22.5
39	4	09.6	10.4	13.9	15.3	12.1	14.0	10.7	10.4	08.7	12.3	11.4	10.0
40	4	09.9	10.6	14.1	15.5	12.3	14.2	10.9	10.6	08.9	12.6	11.6	10.2
41	16			42.9	43.6	42.9	43.9	43.8			43.5		
42	17	48.8	50.7	60.1	61.7	55.0	57.0	50.5	52.7	49.5	54.2	56.0	53.3
43	10						30.4	36.7			33.0		
44	17			31.0	32.5	37.4	39.0		38.5		41.9	31.2	34.0
45	18	29.5	30.6	37.1	40.1	33.8	38.5	32.5	29.5	25.1	35.1	31.4	28.1
46	22	37.0	35.8	34.6	35.6	35.0	37.1	38.3	33.3	32.0	36.7	32.9	32.1
47	17	38.9	40.3	49.0	53.2	44.3	50.7	42.7	38.7	33.3	46.0	41.2	37.0
48	17	39.0	40.3	49.0	53.2	44.3	50.7	42.7	38.8	33.4	46.1	41.2	37.0
49	4									56.8			

Nr	Data	UT	nazwa	mag	ZC/SAO	typ	AA	A _k	h _k	F _k
		h								
50	IV 4	18		8.1	93468	zc	68	272	22	+0.12
51	4	19		8.2	93476	zc	78	276	19	+0.12
52	4	20		7.6	519	zc	108	293	6	+0.12
53	5	20	kappa Tauri	4.2	656	zc	129	292	12	+0.19
54	8	19	39 Geminorum	6.2	1061	zc	155	241	50	+0.45
55	12	20		6.9	1535	zc	119	202	48	+0.83
56	12	23	46 Leonis	5.4	1544	zc	41	243	35	+0.83
57	15	22	44 Virginis	5.8	1866	zc	119	194	31	+0.99
58	V 3	19	99 Tauri	5.8	742	zc	148	296	11	+0.08
59	3	19		8.2	76845	zc	127	291	14	+0.08
60	3	20		7.8	76885	zc	103	303	6	+0.08
61	4	19		7.3	77593	zc	152	284	22	+0.14
62	4	20		7.6	77622	zc	49	291	16	+0.14
63	8	23		6.5	1393	zc	131	282	16	+0.49
64	9	19	eta Leonis	3.5	1484	zc	71	210	53	+0.58
65	9	19	eta Leonis	3.5	1484	oj	351	227	48	+0.58
66	11	22		6.6	1709	zc	98	240	28	+0.78
67	13	1	gamma Virginis	2.8	1821	zc	74	257	9	+0.87
68	13	1		3.5	54027	zc	73	257	8	+0.87
69	13	19		6.6	1920	zc	63	154	29	+0.93
70	14	21	lambda Virginis	4.5	2053	zc	130	182	26	+0.98
71	VI 7	21		6.7	1669	zc	66	253	23	+0.53
72	8	19		6.9	1758	zc	54	216	36	+0.62
73	15	22	tau Sagittarii	3.3	2784	oc	273	151	6	-0.97
74	VII 5	19		6.7	1728	zc	164	248	22	+0.37
75	5	20	7 Virginis	5.4	1733	zc	68	251	17	+0.37
76	6	17	gamma Virginis	2.8	1821	zc	65	193	34	+0.46
77	6	17		3.5	54027	zc	64	193	34	+0.46
78	6	17	gamma Virginis	2.8	1821	oj	6	203	32	+0.46
79	10	21	19 Scorpii	4.6	2347	zc	148	196	10	+0.88
80	16	22	69 Aquarii	5.7	3343	oc	215	126	10	-0.86
81	16	23	tau Aquarii	4.1	3349	oc	265	143	16	-0.85
82	19	2	14 Ceti	5.9	76	oc	273	163	37	-0.65
83	21	23	sigma Arietis	5.5	422	oc	248	83	13	-0.36
84	23	1	13 Tauri	5.7	531	oc	274	88	23	-0.26
85	23	1	14 Tauri	6.1	533	oc	232	96	29	-0.26
86	24	0		7.5	76640	oc	259	74	17	-0.18
87	25	1		7.7	77144	oc	222	65	12	-0.12
88	26	1		8.0	78195	oc	333	63	12	-0.06
89	VIII 3	13	theta Vir.	4.4	1891	zc	158	156	32	+0.31
90	9	18	tau Sagittarii	3.3	2784	zc	71	151	7	+0.92
91	14	23		6.7	20	oc	307	154	34	-0.88
92	15	2		6.6	128661	oc	233	195	32	-0.88
93	19	1		6.5	497	oc	253	114	39	-0.51
94	21	23	139 Tauri	4.8	900	oc	230	61	11	-0.24
95	22	2		7.0	912	oc	321	88	32	-0.23
96	23	1		7.7	78853	oc	322	67	16	-0.16
97	IX 6	22	omega Sagittarii	4.7	2910	zc	27	210	7	+0.83
98	9	18	tau Aquarii	4.1	3349	zc	75	128	9	+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
50	18	39.0	40.0	44.4	45.3	42.2	43.7	40.2	40.5		42.1	42.2	
51	19	01.5	02.8	08.0	08.6	05.3	06.4	02.7	04.0	01.9	04.8	06.0	04.4
52	20									47.1			
53	20	59.0	61.1	69.7	68.9	65.1	64.0	59.2	65.4	64.2	62.7	69.3	68.1
54	19	11.0	14.8	37.7	35.7	23.5	25.0	13.8	21.1	15.6	20.6		27.0
55	20	50.1	51.4	57.9	60.5	54.7	59.0	53.0	50.9	46.8	55.8	52.9	50.0
56	22	69.7	69.3	72.0	76.4	70.7			64.6	59.3	76.0	65.2	61.8
57	22	56.9	57.8	62.8	65.4	60.3	64.7	59.6	56.7	53.1	61.7	58.1	55.6
58	19	58.5	61.1		71.6	66.4	63.6	58.3	68.5	68.0	62.5		
59	19				12.1								
60	20									54.9			
61	19	35.4	38.3			44.2	42.3	35.8	45.4	44.1	40.5		
62	20	16.2	16.6	18.8	19.5	17.7	19.0	17.3	16.5	14.9	18.1	17.2	16.2
63	23	00.7	02.2	08.3		05.2		01.3	04.7	03.2	04.0	07.2	05.9
64	18	68.8	68.3	69.7	74.0	69.0	76.8	73.4	63.2	58.3	73.2	63.0	59.9
65	19	40.0	43.3	54.9	55.6	49.2	49.5	40.9	47.7	44.5	46.8	51.8	49.2
66	22	39.8	41.4	48.0	50.1	44.8	48.2	42.4	41.5	37.7	45.3	43.6	40.9
67	1	04.5	05.9	11.4	12.5	08.8	10.5	06.1	06.8	04.1	08.6	08.8	06.9
68	1	05.2	06.6	12.1	13.1	09.4	11.1	06.8	07.5	04.8	09.3	09.5	07.5
69	19			23.5	28.5	28.0			21.5			18.0	16.5
70	21	48.8	49.4	53.2	55.7	51.3	55.4	51.2	48.1	45.1	52.8	49.0	46.9
71	21	26.0	27.3	33.0	35.1	30.3	34.0	28.8	26.8	22.8	31.3	28.6	25.9
72	19			63.1					53.3			52.6	48.3
73	22	14.9	14.3	12.9	14.8	13.7	17.0	16.4	11.4	09.9	15.8	10.3	09.4
74	19			40.9	42.1		38.7				36.2		
75	20	11.5	13.0	19.0	20.8	16.1	19.2	13.9	13.1	09.5	16.6	15.1	12.6
76	17	11.2	11.2	13.3	17.8	12.3	20.4	15.8	06.4	01.6	16.5	06.4	03.2
77	17	12.4	12.3	14.3	19.0	13.4	21.6	17.0	07.4	02.5	17.7	07.3	04.1
78	17	47.5	49.6	58.2	59.1	53.9	54.6	48.4	52.3	49.7	52.4	55.3	53.2
79	20	62.5	63.4	68.7	71.4	66.0	70.3	65.1	62.5	59.1	67.3	63.9	61.4
80	22			09.3	10.1		13.6				14.2		
81	23	32.3	31.4	28.6	30.5	30.1	33.3	33.8	27.9	26.7	32.5	26.3	25.7
82	2			52.3					47.7	43.8		47.3	44.9
83	23	47.6	46.0	39.8	38.9	42.9	41.7	46.4	44.2	46.3	43.6	42.0	43.6
84	1	14.4	13.0	07.7	07.7	10.4	10.5	14.0	10.8	11.9	11.6	08.7	09.7
85	1	54.7	52.9	45.7	45.1	49.4	48.5	53.7	50.5	52.4	50.5	47.8	49.4
86	0	59.7	58.3	52.4	51.5	55.3	54.0	58.5	56.8	58.9	55.8	54.7	56.3
87	1		19.4	12.0	10.1	15.7	12.8		18.4	21.6	15.7	15.9	18.3
88	1			49.2									
89	13			34.2	35.7								
90	18			12.9	14.9		17.7						
91	23				47.8		48.8						
92	2	18.0	17.8	16.8	18.2	17.5	20.1	19.6	15.3	13.3	19.3	14.5	13.5
93	1	08.1	06.6	01.1	01.7	04.0	05.3	08.4	03.3	03.6	06.0	01.0	01.5
94	23	33.6	31.9	25.0	23.0	28.4	25.3	31.4	31.2	34.4	28.2	28.9	31.3
95	1	61.8	61.8	61.7	63.2	62.1	65.1	64.0	59.4	56.3	64.0	59.1	57.7
96	0	60.6	60.2	58.7	58.9	59.6	60.3	61.2	59.0	58.3	60.4	58.4	58.2
97	21			61.0	61.7	60.8			60.2	60.1		60.0	59.8
98	18	46.5	45.2	40.9	42.0	43.1	45.0	47.1	42.1	42.1	45.1	40.1	40.3

Nr	Data	UT	nazwa	mag	ZC/SAO	typ	AA	A _k	h _k	F _k
		h								
99	IX 11	21	14 Ceti	5.9	76	oc	223	136	27	-0.97
100	14	22		5.7	Uran	oc	252	109	34	-0.77
101	15	23		6.8	586	oc	251	114	42	-0.68
102	16	3	37 Tauri	4.4	599	zj	82	194	62	-0.67
103	16	4	37 Tauri	4.4	599	oc	255	218	54	-0.67
104	16	21	95 Tauri	6.2	714	oc	308	67	13	-0.60
105	17	22	125 Tauri	5.2	852	oc	231	76	22	-0.49
106	18	1		7.4	869	oc	271	109	45	-0.48
107	19	2		7.5	1028	oc	323	111	50	-0.38
108	20	23		7.2	80089	oc	306	56	6	-0.22
109	21	0	lambda Cancri	5.9	1251	oc	276	63	10	-0.22
110	21	2		7.5	80165	oc	283	86	27	-0.21
111	X 4	18		6.4	2998	zc	46	173	14	+0.69
112	8	19		6.6	128661	zc	64	148	31	+0.99
113	11	3		6.5	301	oc	241	255	26	-0.98
114	11	22	omicron Arietis	5.8	403	oc	253	150	48	-0.95
115	12	0		6.7	413	oc	191	188	51	-0.95
116	12	4		6.3	423	oc	275	256	30	-0.94
117	13	4	22 H1. Tauri	6.1	534	oc	283	251	39	-0.89
118	14	0		7.2	676	oc	234	147	56	-0.82
119	16	0		6.7	958	oc	341	112	49	-0.66
120	16	3		7.4	78309	oc	271	188	66	-0.65
121	16	23	47 Geminorum	5.8	1088	oc	349	93	36	-0.56
122	17	0		6.7	1089	oc	212	97	38	-0.56
123	17	1		7.4	79164	oc	256	108	45	-0.56
124	17	3		7.3	79243	oc	202	154	60	-0.55
125	17	3		6.5	1105	oc	294	161	61	-0.55
126	17	4		7.0	1108	oc	347	181	65	-0.55
127	17	23	4 Cancri	6.3	1211	oc	277	78	22	-0.47
128	18	3		7.3	79980	oc	262	138	55	-0.46
129	20	0		6.5	1435	oc	348	75	12	-0.28
130	20	1		6.8	1436	oc	339	84	19	-0.28
131	20	3		7.8	1444	oc	247	111	36	-0.27
132	21	0	46 Leonis	5.4	1544	oc	333	72	5	-0.20
133	21	2		7.8	99202	oc	347	96	21	-0.19
134	22	4		7.6	118841	oc	307	115	26	-0.11
135	29	16		7.1	186286	zc	105	212	5	+0.22
136	29	17		4.6	2617	zc	121	213	3	+0.22
137	XI 6	21		6.4	238	zc	27	178	44	+0.97
138	7	2	omicron Piscium	4.3	257	zc	9	269	12	+0.98
139	9	20	37 Tauri = A Tauri	4.4	599	oc	262	120	46	-0.98
140	9	21	39 Tauri	5.9	601	oc	232	125	48	-0.98
141	10	19		6.3	740	oc	203	91	32	-0.94
142	10	21	98 Tauri	5.8	743	oc	277	108	43	-0.94
143	12	22		6.7	1042	oc	344	91	37	-0.81
144	13	23	76 Geminorum	5.3	1169	oc	259	104	42	-0.73
145	15	0		6.9	1290	oc	356	110	43	-0.64
146	16	3		7.4	1408	oc	343	143	56	-0.54
147	17	5	42 Leonis	6.2	1514	oc	288	179	51	-0.43

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	21	26.8	25.4	20.1	20.8	22.9	24.2	27.1	22.2	22.4	24.8	19.9	20.4
100	22	33.5	32.0	26.4	26.8	29.3	30.1	33.6	29.0	29.6	31.0	26.7	27.4
101	23	57.2	55.8	50.1	50.7	53.1	54.3	57.5	52.4	52.7	55.0	50.1	50.6
102	3			23.7	26.8								
103	4	43.4	43.8	45.1	47.7	44.8	49.2	46.1	41.1	37.8	47.0	41.0	39.0
104	20	63.2	62.3	58.9	58.6	60.6	60.4	62.8	60.9		61.2		
105	22	47.3	45.4	37.7	36.1	41.6	39.2	45.5	43.9	46.8	42.0	41.2	43.5
106	1	31.2	30.1	25.8	26.8	28.2	30.2	32.2	26.8	26.3	30.3	24.9	24.9
107	2			63.0	66.8	59.8	66.6				62.1	55.9	
108	23	22.9					19.7	22.2					
109	23	03.2	02.0	56.9	55.8	59.5	57.8	01.9	01.1	03.1	59.7	59.4	01.0
110	1	64.8	63.7	59.1	59.2	61.6	61.9	64.8	61.6	62.3	62.8	59.8	60.5
111	18			04.3	06.5		08.2					01.2	
112	19			57.8	59.7	59.5	62.5				61.8		
113	3									51.1			52.7
114	22	47.6	46.7	43.6	45.3	45.4	48.4	49.2	43.1	41.5	47.9	41.4	40.7
115	0	32.7	30.2					31.6	26.1	28.2			24.1
116	4	20.1	21.8	27.6	29.2	24.9	27.6	22.4	22.2	18.9	25.2	24.2	21.9
117	4	34.1	35.9	42.7	44.7	39.6	42.9	36.7	36.3	32.3	40.0	38.5	35.8
118	0	28.9	27.4	21.1	21.9	24.6	26.5	29.7	23.4	23.2	27.1	20.8	21.1
119	0			34.2	38.1	30.4	38.1	25.8	20.8		33.0	26.0	18.0
120	3			58.8								53.5	
121	23	57.8	01.9	08.1	10.8	06.1	11.4	04.9	00.6		08.2	02.8	58.8
122	23	13.0	09.4			00.4		10.1	05.5	10.3	01.5	59.1	04.2
123	0	61.6	60.0	53.4	53.9	57.0	58.3	62.0	56.4		59.2	53.8	
124	3	25.6						22.0					
125	3	40.4	41.1	44.3	47.6	43.0	48.5	43.7	38.6	34.6	45.4	39.1	36.5
126	4					43.0			36.1		38.9	45.2	38.6
127	23	18.4	17.1	11.8	11.3	14.6	14.0	17.8	15.3	16.6	15.4	13.4	14.6
128	3	30.6	29.6	25.3	27.5	27.9	31.9	32.5	25.2	23.7	31.1	22.9	22.4
129	0			07.6	10.1		07.0						
130	1	03.5	04.2	05.8	06.8	05.3	07.2	05.1	03.7	01.8	06.1	04.2	03.1
131	3	11.1	08.6					11.1					
132	0	34.5	34.7	34.7	34.8	34.9	35.2	34.9	34.6	34.2	35.1	34.6	34.5
133	2	33.0	34.2	37.6	38.9	36.3	38.6	34.9	34.3	31.9	36.9	35.3	33.9
134	4	29.5	29.3						27.5	26.5		26.8	26.3
135	16			33.9	36.7								
136	17			18.0	21.3	14.3			09.9	05.4		12.0	08.7
137	21	13.8	12.5	08.1	09.5	10.3	12.4	14.2	09.2	09.5	12.3	07.1	07.4
138	2	52.8	51.6	49.1	49.5	50.1	50.7	52.5	49.7	49.9	50.9	48.7	48.8
139	20	54.4	53.3	48.9	50.1	51.3	53.5	55.4	49.8	49.2	53.5	47.8	47.7
140	21	09.5	07.8	01.0	01.2	04.6	05.4	09.6	04.3	04.9	06.6	01.6	02.4
141	19	46.7	44.2	33.0		38.8	34.7	44.2	42.0	45.8	39.2	38.3	41.5
142	21	07.1	06.1	02.4	03.7	04.4	06.8	08.2	02.8	02.1	06.6	01.2	00.9
143	22			10.5	14.2	05.5	13.9				08.2	00.5	
144	23	24.4	22.8	16.2	16.5	19.8	20.8	24.7	19.3	19.9	21.8	16.7	17.5
145	0		35.1	47.5	50.8	43.0	48.9	36.4	37.2	26.3	44.0	41.1	36.6
146	2			57.3	60.3								
147	5	19.9	20.5	24.2	27.6	22.6	28.0	22.9	18.1	14.1	24.8	18.6	15.9

Nr	Data	UT	nazwa	mag	ZC/SAO	typ	AA	A _k	h _k	F _k
		h								
148	XI 18	4		7.3	1612	oc	335	145	41	-0.34
149	19	1		6.6	1709	oc	347	100	13	-0.26
150	22	5		7.4	37784	oc	338	122	6	-0.04
151	29	19		6.3	3227	zc	17	226	9	+0.40
152	30	15	tau Aquarii	4.1	3349	zc	73	154	19	+0.50
153	30	16	tau Aquarii	4.1	3349	oj	224	172	22	+0.51
154	XII 5	16		5.7	Uran	zc	27	107	31	+0.94
155	6	1	53 Arietis (UW)	6.1	455	zc	27	270	23	+0.96
156	7	4	37 Tauri	4.4	599	zc	71	296	8	+0.99
157	8	5		-1.9	Mars	oj	287	299	10	+0.00
158	9	21		6.6	994	oc	269	112	48	-0.97
159	13	1	90 H1. Cancri	6.5	1373	oc	352	147	56	-0.79
160	15	5		6.9	1578	oc	292	202	46	-0.61
161	16	5		7.1	118952	oc	352	194	41	-0.51
162	16	5		6.8	1684	oc	293	195	41	-0.51
163	20	5		6.9	2111	oc	272	152	14	-0.13
164	20	5		7.9	129964	oc	262	147	15	-0.13
165	26	15	38 Capricorni	6.7	3160	zc	357	208	14	+0.15
166	29	14		6.6	128661	zc	115	154	30	+0.45
167	29	17		7.2	37	zc	35	199	32	+0.46
168	29	17		7.1	36	zc	342	207	34	+0.46
169	30	17		7.3	109664	zc	16	178	43	+0.57
170	31	23		6.5	301	zc	114	266	17	+0.69

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	4	20.3	21.6	26.8	29.1	24.4	27.9	22.6	21.3	18.1	25.2	22.7	20.4
149	1	47.3	48.3	51.1	52.0	50.0	51.4	48.5	48.8	47.3	50.2	49.7	48.7
150	5									12.1			13.0
151	19			32.3	32.4	33.1	32.9					32.8	
152	15	18.5	17.7	15.8	18.2	16.9	20.8	20.2	14.2	12.6	19.4	12.8	11.9
153	16	27.9	27.3	25.2	26.7	26.5	29.0	29.2	24.4	22.9	28.4	23.2	22.5
154	4	59.6	60.6	64.3	64.6	62.4	62.9	60.4	61.7	60.4	62.0	63.2	62.2
155	1	58.9	58.6	58.8	59.8	58.6	60.2	59.8	57.1	55.9	59.6	57.0	56.2
156	4	55.4	56.3			58.0		55.7	57.9	57.1	57.1	59.3	58.7
157	5	51.5	52.7	57.0	56.5	54.9	54.1	51.5	55.1	54.4	53.5	56.8	56.2
158	20	63.6	62.5	58.2	59.4	60.6	62.9	64.7	59.1	58.5	62.9	57.2	57.1
159	1			41.1	43.9	33.3	37.6		28.7	21.2	31.3	34.6	29.9
160	4	64.4	65.6	71.4	74.6	68.6	73.6	67.5	64.2	59.8	70.2	65.6	62.5
161	5	27.3	29.4	37.9	39.5	33.7	35.9	29.1	31.2	27.9	33.1	34.1	31.5
162	5	30.4	31.5	36.9	40.0	34.2	39.3	33.5	29.9	25.6	35.9	31.1	28.1
163	5	47.2	46.6			45.9		49.1	42.9	41.0		41.4	40.3
164	5								42.8	40.9			40.2
165	15				39.4		41.6						
166	14	58.9	59.0	65.2		61.1		63.3			65.9		
167	17	35.1	34.5	33.2	34.9	33.9	36.5	36.2	32.1	31.2	35.6	31.0	30.5
168	17			49.5	48.3	56.2	52.2				56.4		
169	17			21.6	22.6	24.1	25.5		23.7		25.9	21.3	22.0
170	23								25.1	21.8			26.1