1924phae.proj.1122p

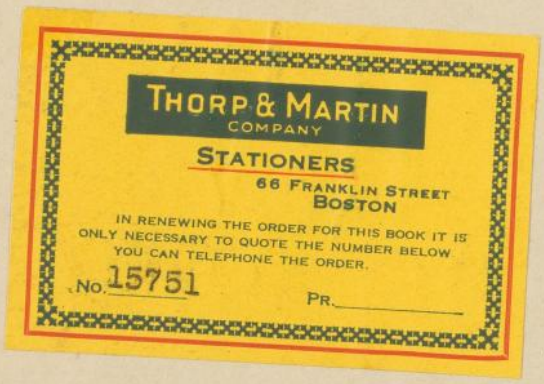
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KG 1136.121



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Reduction Table C-15554

68	0.26	45	1.44	22	2.32
67	0.38	44	1.47	21	2.37
66	0.47	43	1.50	20	2.42
65	0.56	42	1.53	19	2.48
64	0.64	41	1.56	18	2.53
63	0.72	40	1.60	17	2.59
62	0.78	39	1.63	16	2.65
61	0.83	38	1.67	15	2.70
60	0.88	37	1.71	14	2.76
59	0.92	36	1.74	13	2.84
58	0.97	35	1.78	12	2.91
57	1.01	34	1.81	11	3.00
56	1.05	33	1.84	10	3.09
55	1.09	32	1.88	9	3.19
54	1.13	31	1.92	8	3.31
53	1.17	30	1.96	7	3.41
52	1.20	29	2.00	6	3.54
51	1.23	28	2.04	5	3.74
50	1.27	27	2.09	4	3.93
49	1.31	26	2.14	3	
48	1.34	25	2.18	2	
47	1.37	24	2.22	1	
46	1.40	23	2.28		

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C-15554
uq 2164

K Aurigae V

H.D. 43039
Sp Ko Ptg 5.45

Reduced to l+m+n = 73

	n	m+n	l+m+n	$\bar{n}$	$\bar{m+n}$	[n]	[n+m]	dm	dl
β	60	64	72	61	65	83	56	27	22
γ	63	67	72	64	68	64 ~~78~~	26	38 ~~52~~	~~38~~ 30
G	54	66	72	55	67	109	38	71	48
4227	55	64	72	56	65	105	56	49	36
4215	59	64	72	60	65	88	56	32	26
δ	56	62	72	57	63	101	72	29	23
4077	54	61	72	55	62	109	78	31	25
4046	49	59	72	50	60	127	88	39	30
ε	7	50	72	7	51	341	123	218	87
k	5	43	72	5	44	374	147	227	88
x	61	66	72	62	67	78	38	40	31

200 and mean curve

β	166	178	86	62	24	20
γ	175	186	69	40	29	23
G	150	184	113	46	67	46
4227	153	178	108	62	46	34
4215	164	178	90	62	28	23
δ	156	179	103	75	28	23
4077	150	170	113	79	34	27
4046	136	164	135	90	45	34
ε	20	139	363	130	233	88
k	14	122	399	157	242	89
x	170	183	79	49	30	24

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1924phae.proj.1122P

2 C-15554 μφ 2165 #2

HD 43646
Sp Ao Ptg 6.86

Reduced to l+m+n = 73

	n	m+n	l+m+n	n̄	m+n̄	[n]	[n+n̄]	Δm
β	8	23	73	8	18	3.31	2.53	0.78
γ	18	45	73	18	45	2.53	1.44	1.09
δ	15	43	73	15	43	2.70	1.50	1.20
ε	10	37	73	10	37	3.09	1.71	1.38
k	27	33	74	27	33	2.09	1.84	0.25
ζ	5	25	74	5	25	3.74	2.18	1.56
η	3	13	74	3	13		2.84	
θ	2	6	74	2	6		3.54	
ι	1	3	74	1	3			

200 and mean curve

β	22	64.3	353	253	100	60
γ	~~49~~	126.4	278	154	124	68
δ	41	118	295	163	132	70
ε	28.7	102	334	188	146	74
k	75.3	89.2	236	209	027	22
ζ	14	62.8	399	244	155	76
η	8	36.5	446	311	135	71
θ	5	186	487	385	102	61
ι	3	8	..	..		

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1924phae.proj.11222P

C- 15554
μφ 2164
#3

HD 43228
Sp B9 Ptg 6.85

Reduced to ltm+m = 73

	n	m+n	l+m+n	n̄	m+n̄	[n]	[m+n]	Δm
β	9	23	75	9	22	3.19	2.32	0.87
γ	24	43	75	23	42	2.28	1.53	0.75
δ	21	42	75	20	41	2.42	1.56	0.86
ε	15	37	75	15	36	2.70	1.74	0.96
k	30	33	75	29	32	2.00	1.88	0.12
ζ	8	25	75	8	24	3.31	2.22	1.09
η	4	14	75	4	14	3.93	2.76	1.17
θ	2	7	75	2	7		3.41	

200 and mean curve

β	24	61	345	256	89	56
γ	64	115	251	168	83	53
δ	56	112	265	173	92	57
ε	40	99	297	193	104	62
k	80	88	224	211	013	11
ζ	21	67	358	246	112	64
η	11	37	421	305	136	71
θ	5	19	487	369	118	66

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1924phae.proj.112MP

4 C-15554 μφ 2166 #4

H.D 43495
Sp Ao Ptg 77

Reduced to l+m+n = 73

	n	m+n	l+m+n	n̄	m+n̄	[n]	[m+n]	Δm
β	5	11	74	5	11	3.74	3.00	0.74
γ	8	23	73	8	23	3.31	2.28	1.03
δ	6	22	73	6	22	3.54	2.32	1.22
ε	4	18	73	4	18	3.93	2.53	1.40
k	11	15	73	11	15	3.00	2.70	0.30
ζ	2	12	73	2	12		2.91	
η	0	6	73	0	6		3.54	
θ	1	3	73	1	3			

200 and mean curve

β	14	30	399	324	75	58
γ	22	63	353	253	100	60
δ	16	60	385	258	127	69
ε	11	50	421	276	145	74
k	30	41	324	295	29	23
ζ	5	33	487	316	171	79
η	0	16	–	..		
θ	3	8	–	.1		

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1924phae.proj.1122P

C-15554
uq 2166
H 5

HD 43246
SP A2p Ptg 7.37

Reduced to l + m + n = 73

	n	m+n	l+m+n	$\bar{n}$	$\bar{m+n}$	[n]	[m+n]	Δm	
β?	6	10	74	6	10	3.54	3.91		This star thrown out of Reduction Curve.
γ	12	23	74	12	23	2.81	2.87		
δ	11	19	74	11	19	3.00	3.05		
ε	5	14	74	5	14		2.96		
ζ	4	7	74	4	7		3.1		

200 and mean curve

β?	16	27	385	334	51	37
γ	32	62	319	255	64	44
δ	30	51	324	274	50	37
ε	14	~~52~~ 38	399	303	96	59
ζ	11	19	421	369	52	38

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1924phae.proj.112mp

6 C-15554 μ Ψ 2167 #6

HD 42314
Sp B8 Ptg 7.58

Reduced to l+m+n = 73

	n	m+n	l+m+n	n̄	m+n̄	[m]	[m+n]	Δm	
γ	12	25	75	12	24	2.91	2.22	0.69	
δ	11	23	75	11	22	3.00	2.32	0.68	
4026	19	23	75	18	22	2.53	2.32	0.21	
ε	8	20	75	8	19	3.31	2.48	0.83	
ζ	6	14	75	6	14	3.54	2.76	0.78	
η	4	9	75	4	9	3.93	3.19	0.74	
θ	4	6	75	4	6	3.93	3.54	0.39	
Δ				200 and mean curve					
			γ	32	67	319	246	73	49
			δ	29	61	327	256	71	48
			4026	51	61	274	256	18	15
			ε	21	53	358	271	87	55
			ζ	16	37	385	305	80	52
			η	10	24	428	345	83	53
			θ	10	16	428	385	43	33

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1924phae.proj.1122P

C-15554
μφ 2165
#7

H.D. 43314
Sp A2 Ptg 8.17

Reduced to k+m+n 73

	n	m+n	k+m+n	$\bar{n}$	m+n	[n]	[m+n]	Δm	
β	3	7	73	3	7		3.41		
γ	5	14	73	5	14	3.74	2.76	0.98	
δ	5	14	72	5	14	3.74	2.76	0.98	
ε	2	11	72	2	11		3.00		
k	4	8	72	4	8	3.93	3.31	0.63	
ζ	2	5	72	2	5		3.74		

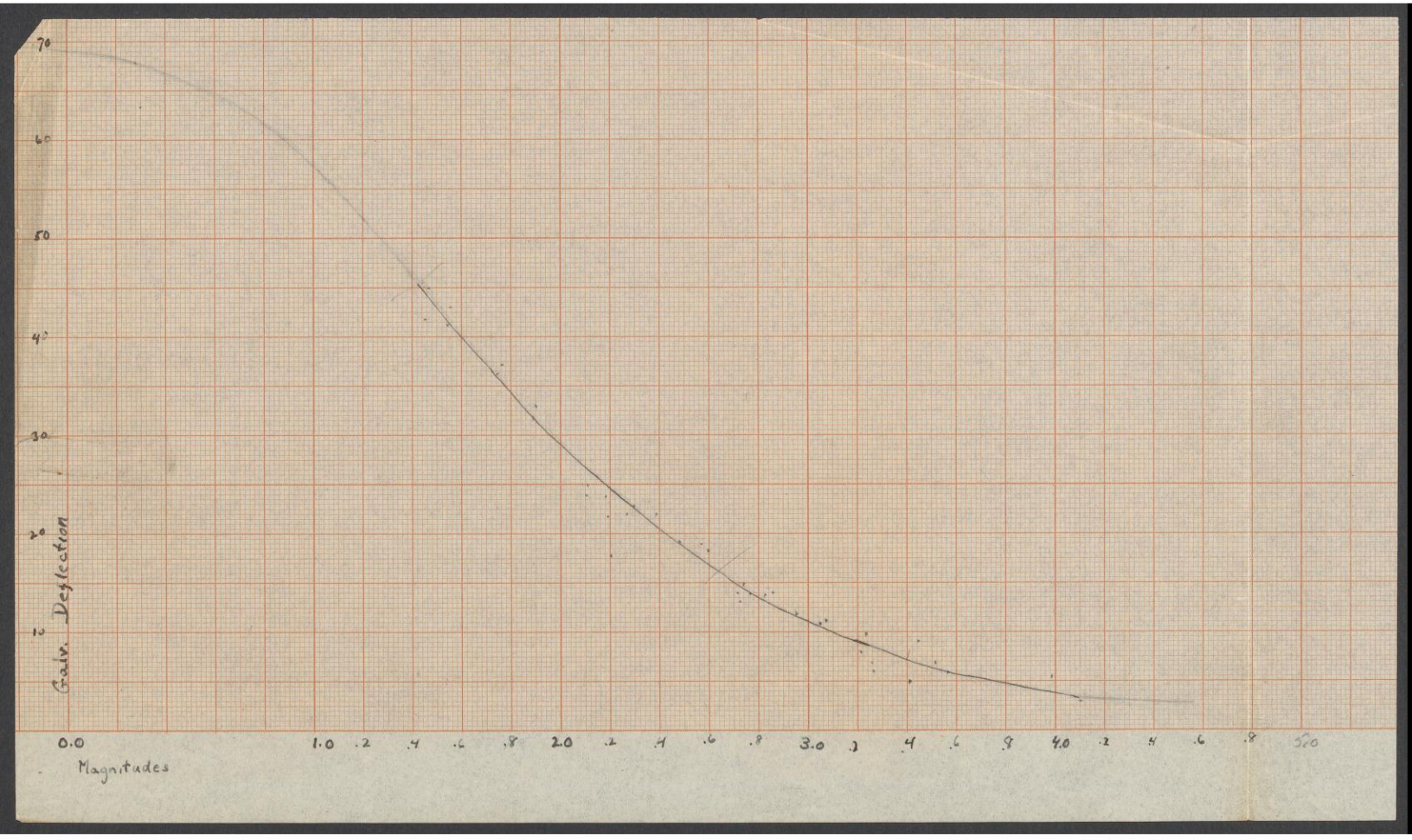
200 and mean curve

β	8	19	446	369	77	51
γ	14	38	399	303	96	59
δ	14	39	399	300	99	60
ε	6	31	469	321	148	74
k	11	22	421	353	68	46
ζ	6	14	469	399	70	48

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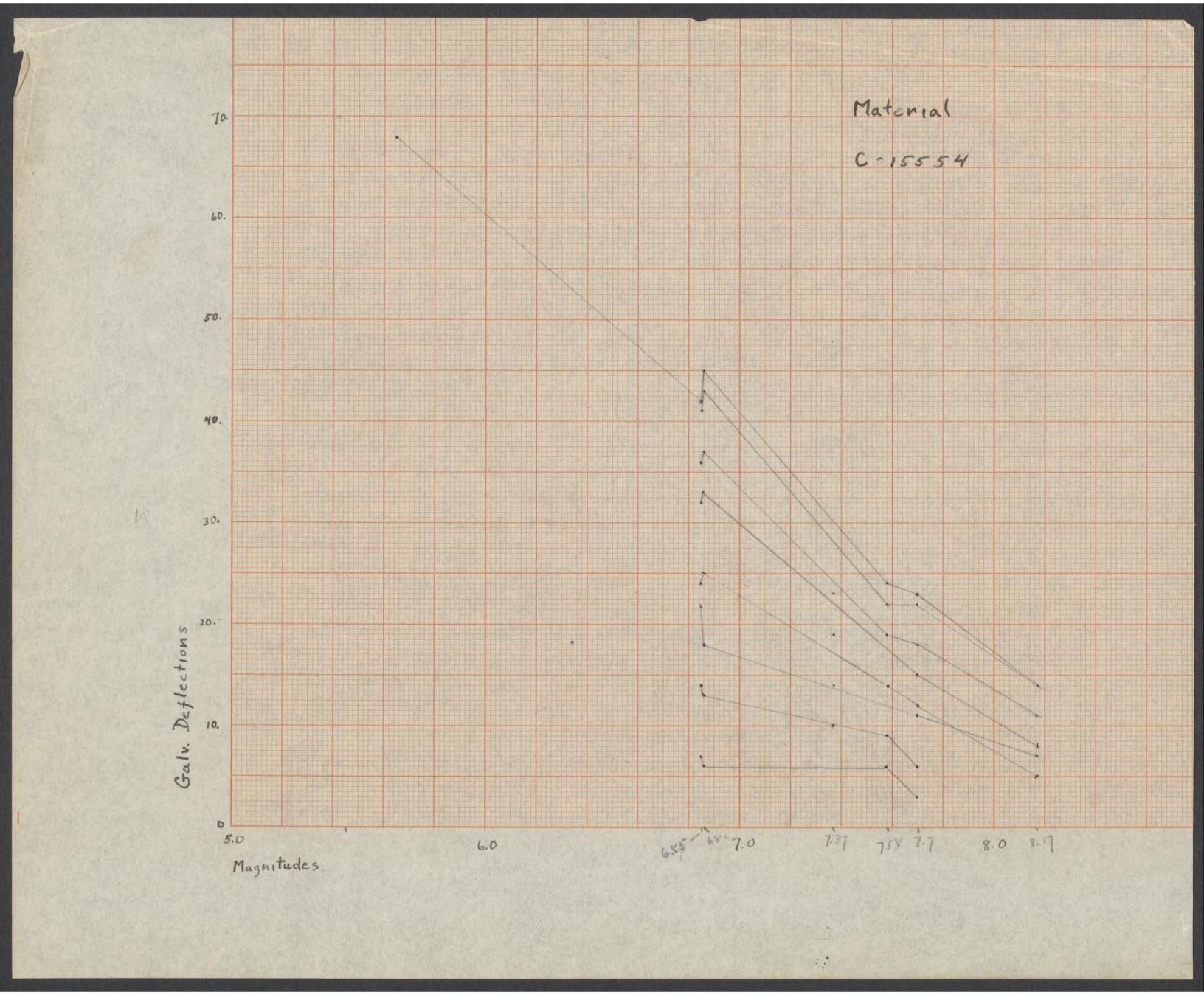
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1924phae.proj.1122P

10 C-15595 μΦ 2174 #1

H.D. 115604
Fo 4.94

Reduced to l+m+n = 105

	n	m+n	l+m+n	n̄	m+n̄	[n]	[m+n]		
β	46	73	164	46	74				
γ	61	87	103	62	88				
δ	50	82	102	51	84				
ε	15	73	101	16	76				
K	11	66	101	11	69				
ζ	25	55	101	26	57				
η	12	39	101	12	41				
θ	9	24	101	9	25				
ι	7	16	100	7	17				
κ	4	10	100	4	11				

200 and mean curve

β	88	140	211	129	82	53
γ	118	169	163	81	82	53
δ	98	161	195	95	100	60
ε	120	144	324	122	202	84
k	22	131	353	143	210	86
ζ	50	109	276	178	98	59
η	24	77	345	229	116	66
θ	18	48	374	280	94	58
ι	14	32	399	319	80	52
K	8	20	446	363	83	53

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1924phae.proj.1122P

C-15595
μφ 2177
#2

H.D. 115271
A5 5.82

Reduced to $l+m+n = 105$

	n	m+n	l+m+n	r	m+n	[n]	[m+n]		
β	19	45	108	18	44				
γ	32	67	107	31	66				
δ	23	61	106	23	60				
ε	9	50	106	9	50				
k	13	43	106	13	43				
ζ	6	31	105	6	31				
η	2	16	105	2	16				
θ	0	9	105	0	9				
ι	0	9	105	0	9				

200 and mean curve

β	35	83	311	219	92	57		
γ	60	126	258	151	107	63		
δ	43	115	290	168	122	67		
ε	17	94	379	201	178	81		
k	25	81	341	223	108	63		
ζ	11	59	421	260	161	77		
η	4	30	..					
θ	0	17	..					
ι	0	17	..					

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1924phae.proj.1122P

12 C-15595 MP 2178 #3

H.D. 115004
Ko 6.05

Reduced to l+m+n = 105

	n	m+n	l+m+n	n̄	m+n̄	[n]	[m+n]	
β	52	62	105	52	62			
γ	55	66	105	55	66			
G	38	64	105	38	64			
4227	39	58	105	39	58			
4215	41	58	105	41	58			
δ	39	50	105	39	50			
4077	34	48	105	34	48			
4046	31	45	105	31	45			
ε	3	34	105	3	34			
k	3	25	105	3	25			

200 and mean curve

β	99	118	193	163	30	24
γ	105	126	184	151	33	26
G	72	122	238	157	81	53
4227	74	110	234	176	58	41
4215	78	110	228	176	52	38
δ	72	95	238	200	38	30
4077	65	92	249	205	44	33
4046	59	86	260	214	46	34
ε	6	65	469	249	220	87
k	6	48	469	280	189	82

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1924phae.proj.1122P

C-15595
UQ 2176
#4

HD 116010
Ko 6.69

Reduced to $l_{tm}tm = 105$

	n	mtm	$l_{tm}tm$	n	mtm	Cm	Cmtm
β	23	29	105	23	29		
γ	28	41	105	28	41		
G	15	39	105	15	39		
4227	14	34	105	14	34		
4215	18	33	105	18	33		
δ	15	25	105	15	25		
4077	13	23	105	13	23		
4046	10	20	105	10	20		
ε	2	11	105	2	11		
k	1	7	105	1	7		

200 and mean curve

β	44	55	288	267	21	18
γ	53	78	271	228	43	33
G	29	74	327	234	93	58
4227	27	65	334	249	85	54
4215	34	63	313	253	60	42
δ	29	48	327	280	47	35
4077	25	44	341	288	53	39
4046	19	38	369	303	66	46
ε	4	21	~	..	..	
k	2	13	..	..	..	

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1924phae.proj.1122P

C-15548
μφ 2155
#1

HD 133640
5.42 Go
44 Boo

Reduced to l+m+n = 88.

	n	m+n	l+m+n	$\overline{n}$	$\overline{m+n}$	[n]	[m+n]		
β	46	54	89	45	53				
γ	53	63	89	52	62				
G	49	61	89	49	60				
4227	50	59	89	49	58				
4215	56	59	89	55	58				
δ	46	56	89	45	55				
4077	49	55	89	48	54				
4046	46	52	89	45	51				
ε	15	43	89	15	43				
k	12	37	89	12	37				

200 and mean curve

β	103	122	187	157	30	24
δ	119	142	162	125	37	29
G	110	137	176	133	43	33
4227	112	133	173	140	33	26
4215	126	133	151	140	11	10
δ	104	126	185	151	34	27
4077	110	124	176	154	22	18
4046	103	117	187	165	22	18
ε	34	97	313	197	116	66
k	27	83	334	219	115	65

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1924phae.proj.1122P

C-15548
UG 2155
#2

H.D. 133962
5.59 Ao

Reduced to l+m+n = 88

	r	m+n	l+m+n	n	m+n	[n]	[m+n]	
β	16	39	88	16	39			
γ	30	59	88	30	59			
δ	24	56	88	24	56			
ε	16	49	88	16	49			
k	37	45	88	37	45			
ζ	10	36	88	10	36			
η	6	23	88	6	23			
θ	5	13	88	5	13			
ι	4	9	88	4	9			

200 and mean curve

β	36	89	308	209	99	60
γ	68	134	244	138	106	62
δ	55	127	267	149	118	66
ε	36	112	308	173	135	71
k	84	102	217	188	29	23
ζ	23	82	349	221	128	69
η	14	52	399	273	126	69
θ	11	30	421	324	97	59
ι	9	20	437	363	74	49

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1924phae.proj.1122P

C-15548
μφ 2156
#3

HD. 133029
6.16 A₀p

Reduced to l+m+n = 88

	n	m+n	l+m+n	$\bar{n}$	$\overline{m+n}$	[n]	[m+n]		
β	14	26	85	14	27				
γ	23	44	86	24	46				
Si+	37	43	86	38	45				
δ	19	43	86	20	45				
ε	14	38	87	14	39				
k	29	31	87	30	32				
ξ	11	26	87	11	27				
η	7	16	87	7	17				
θ	5	11	87	5	11				
ι	5	9	87	5	9				
κ	4	8	87	4	8				

200 and mean curve

β	33	61	316	256	60	42
γ	53	102	271	188	83	53
Si+	86	100	214	192	22	18
δ	44	100	288	192	96	59
ε	32	87	319	213	106	62
k	67	71	246	239	007	6
ξ	25	60	341	258	83	53
η	16	37	385	305	80	52
θ	12	25	413	341	72	48
ι	12	21	413	358	55	40
κ	9	18	437	374	63	44

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1924phae.proj.1122P

20 C-18567
μφ 2287

α Arietis

HD 12929
3.30 K.2

Reduced to $l_{tm+tn} = 89$

	n	m+n	l_{tm+tn}	$\bar{n}$	$\overline{m+n}$	[m]	[m+n]		
γ	84	86	89	84	86				
δ	75	82	96	74	81				
ε	8	69	91	8	68				
k	4	61	91	4	60				

200 and mean curve

γ	188	193	31	2	29	23
δ	167	182	85	52	33	26
ε	18	152	374	110	264	91
k	9	134	437	138	299	94

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1924phae.proj.1122P

C-18 567
up 2208

HD 12869
5.08 A₀ ??

Reduced to $l_{tm+tn} = 89$

	n	m+n	l_{tm+tn}	π	m+n	[m]	[m+n]
β	6	19	89	6	19		
γ	17	47	86	17	118		
δ	11	42	84	12	44		
ε	5	34	83	5	37		
k	12	28	83	13	30		
ʒ	3	18	82	3	19		

200 and mean curve

β	13	43	406	290	116	66
γ	40	109	297	178	119	67
δ	26	100	337	192	145	74
ε	12	82	413	221	192	83
k	29	68	327	244	83	53
ʒ	7	44	456	288	168	79

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1924phae.proj.1122P

24 C- 16458
μφ 2202
#1

Reduced to l+m+n = 104

	n	m+n	l+m+n	$\bar{n}$	$\overline{m+n}$	[n]	[m+n]		
β	28	46	104	28	46				
γ	39	58	104	39	58				
δ	28	50	104	28	50				
ε	5	37	104	5	37				
k	5	31	104	5	31				
ζ	8	22	104	8	22				
η	4	12	104	4	12				

200 and mean curve

β	54	88	269	211	58	41
γ	75	112	233	173	60	42
δ	54	96	269	198	71	48
ε	10	72	428	238	190	83
K	10	60	428	258	170	79
ζ	15	42	392	293	99	60
η	8	23	446	349	97	59

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C-16458
μ9 2203
#2

HD 58579
6.16 F.

Reduced to $l_{tan\,n} = 104$

	n	m_{tan}	$l_{tan\,n}$	$\bar{n}$	$\bar{m}_{tan}$	[n]	$[n\,m_{tan}]$		
γ	23	40	104	23	40				
δ	18	35	104	18	35				
ε	9	27	104	9	27				
k	7	23	104	7	23				
s	5	16	104	5	16				
η	3	8	104	3	8				
			200 and mean curve						
			γ	44	77	288	229	59	42
			δ	35	67	311	246	65	45
			ε	17	52	379	273	106	62
			k	13	44	406	288	118	66
			s	10	31	428	321	107	63
			η	6	15	469	392	77	51

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C-16458
UG 2704
#3

Reduced to $l+m+n = 104$

	n	m+n	l+m+n	$\bar{n}$	$\bar{m+n}$	[n]	[m+n]		
β	6	11	103	6	11				
γ	9	18	103	9	18				
δ	6	14	103	6	14				
ε	0	9	103	0	9				
k	0	7	103	0	7				
ζ	1	5	103	1	5				

200 and mean curve

β	12	21	413	358	55	40
γ	17	35	379	311	68	46
δ	12	27	413	334	79	52
ε	0	17		379		
k	0	14				
ζ	2	10				

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1924phae.proj.1122P

C-16458
MP 2205
#4

Reduced to l+m+n = 104

	n	m+n	l+m+n	$\bar{n}$	m+n	[n]	[m+n]
γ	7	16	106	6	7	16	
δ	5	13	105	4	5	13	
ε	2	10	105	2	2	10	
ζ	2	8	104	2	2	8	
ξ	1	6	104	1	1	6	

200 and mean curve

γ	13	30	406	324	82	53
δ	10	25	428	341	87	55
ε	4	19				
ζ	4	15				
ξ	2	12				

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1924phae.proj.1127P

 C-16458 μφ 2206 #5

Reduced to ltmtn = 104

	n	mtn	ltmtn	$\bar{n}$	mtn	[n]	[mtn]
Y	3	13	100	3	13		
S	1	11	100	1	11		
ε	0	8	100	0	8		
k	2	6	100	2	6		

200 and mean curve

γ	6	26
δ	2	22
ε	0	16
k	4	12

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30 C-15513 μ Cyg 2157 #1

Reduced to ltm+n = 105

	n	m+n	ltm+n	$\bar{n}$	$\overline{m+n}$	[n]	[m+n]		
β	59	66	105	59	66				
x	70	82	105	70	82				
γ	68	74	105	68	74				
G	49	73	105	49	73				
4227	57	68	105	57	68				
4215	53	67	105	53	67				
δ	49	59	105	49	59				
4077	46	58	105	46	58				
4066	44	55	105	44	55				
ε	3	42	105	3	42				
k	2	33	105	2	33				

200 and mean curve

β	112	126	173	151	22	18
x	134	156	138	103	35	28
γ	130	140	145	129	16	14
G	93	140	203	129	74	49
4227	99	130	193	145	48	36
4215	101	128	190	148	42	32
δ	93	112	203	173	30	24
4077	87	110	213	176	37	29
4046	84	105	217	184	33	26
ε	6	80	469	224	245	90
k	4	63	..	..		

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C-15513
UG 2158
#2

Reduced to l+m+n = 105

	n	m+n	l+m+n	$\bar{n}$	m+n	[n]	[m+n]		
β	12	26	103	12	27				
γ	22	43	103	22	44				
δ	16	36	104	16	36				
ε	4	23	104	4	23				
k	2	18	104	2	18				
ζ	3	12	104	3	12				

200 and mean curve

β	23	50	349	276	73	49
γ	43	84	290	217	73	49
δ	31	69	321	243	78	51
ε	8	44	446	288	158	77
k	4	35	..			
ζ	6	23	469	349	120	67

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1924phae.proj.11279

C-15513
MP 2159
#3

Reduced to $l_{tm+tn} = 105$

	n	m_{tn}	l_{tm+tn}	$\bar{n}$	$\overline{m_{tn}}$	$[n]$	$[m_{tn}]$		
β	3	12	106	3	12				
γ	9	24	105	9	24				
δ	5	19	105	5	19				
			200 and mean curve						
			β	6	23	469	349	120	67
			γ	17	46	379	284	95	58
			δ	10	36	428	308	120	67

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C-15545
ug 2169
#1

Reduced to $l_{tm+n} = 104$

	n	m_{tn}	l_{tm+n}	$\bar{n}$	$\overline{m_{tn}}$	[x]	[m_{tn}]		
β	52	60	100	54	62				
γ	59	67	102	60	68				
G	45	66	103	45	67				
4227	49	61	103	49	62				
4215	50	61	103	50	62				
δ	47	55	104	47	55				
4077	43	53	104	43	53				
4046	37	48	104	37	48				
ε	12	36	104	12	36				
k	10	28	105	10	28				

200 and mean curve

β	104	120	185	160	25	21
γ	116	132	166	141	25	21
G	87	128	213	148	65	45
4227	95	118	200	163	37	29
4215	97	118	197	163	34	27
δ	90	106	208	182	26	21
4077	83	102	219	188	31	25
4046	72	92	238	205	33	26
ε	23	69	349	243	106	62
k	19	53	369	271	98	59

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1924phae.proj.1122P

C-15545
MG 2168
#2

Reduced to l+m+n = 104

		n	m+n	l+m+n	n̄	m+n̄	[m]	[m+n]
?	β	16	22	106	16	22		
?	γ	17	29	106	17	28		
?	G	12	28	106	12	27		
?	δ	13	18	106	13	18		
?	ε	2	7	106	2	7		
?	k	1	4	106	1	4		

200 and mean curve

β	30	42	324	293	31	25
γ	32	55	319	267	52	38
~~G~~ δ	23	53	349	271	78	51
~~δ~~ ε	24	34	345	313	32	26
ζ	4	13	..	-		
η	2	8	-	-		
θ	..	..				

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1924phae.proj.1122P

 C-15545 UG 2170 #3

Reduced to l+m+n = 104

	n	m+n	l+m+n	$\bar{n}$	$\overline{m+n}$	$[\bar{n}]$	$[\overline{m+n}]$		
β		8	107		8				
γ	6	12	106	6	12				
δ	4	10	106	4	10				
ε		6	106		6				
			200 and mean curve						
			γ	11	23	421	349	72	48
			δ	8	19	446	369	77	51

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1924phae.proj.1127P

38 C-15597 μφ 2160 #1

HD 138629 5.04 A2

Reduced to $l_{tmtn} = 140$

	n	m_{tm}	l_{tmtn}	$\bar{m}$	$\overline{m_{tm}}$	$[\bar{m}]$	$[m_{tm}]$		
β	48	85	140						
γ	78	117	140						
δ	69	113	140						
ε	41	104	140						
k	65	96	140						
ζ	32	81	140						
η	17	55	140						
θ	11	35	140						
ι	8	21	140						
κ	7	13	140						
λ	6	10	140						
μ	5	8	140						

200 and mean curve

β	69	122	243	157	86	55
γ	112	167	173	85	88	56
δ	99	161	193	95	98	59
ε	59	148	260	116	144	73
k	93	137	203	133	70	48
ζ	46	186	284	166	118	66
η	24	79	345	226	119	67
θ	16	50	385	276	109	63
ι	11	30	421	324	97	59
κ	10	19	428	369	59	42
λ	9	14	437	399	38	30
μ	7	11	456	421	35	28

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α 15597
μφ 2161
#2

HD 138481
6.33 M5

Reduced to l+m+w = 140

	n	m+n	l+m+n	$\bar{n}$	$\bar{m+n}$	[n]	[m+n]		
β	54	59	133	57	62				
γ	36	53	135	37	55				
4227	7	37	136	7	38				
4215	20	36	136	21	37				
δ	16	24	136	17	24				
ε	7	11	137	7	11				

200 and mean curve

β	81	89	223	209	14	12
γ	53	78	271	228	43	33
4227	10	54	428	269	159	77
4215	29	53	327	271	56	40
δ	24	35	345	311	34	27
ε	10	16	428	385	43	33

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 C -2396
μφ 2209
#1

β	58	63	106						
γ	39	67	105						
δ	44	57	105						
ε	0	32	104						
k	0	24	104						

200 and mean curve

β	110	119	176	162	14	12
γ	74	128	234	148	86	55
δ	84	109	217	178	39	30
ε	0	62	..			
k	0	46	..			

?

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C-2396
UG 2210
#2

4686	22	29	104						
4471	32	38	104						
γ	26	37	104						
δ	21	35	104						
4026	25	31	104						
3	14	25	104						

200 and mean curve

4686	42	56	293	265	28	23
4471	62	73	255	236	19	16
γ	50	71	276	239	37	29
δ	40	67	297	246	51	37
4026	48	60	280	258	22	18
3	27	48	334	280	54	39

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		n	mm	lmm	$\bar{n}$	$\overline{mm}$	[n]	[mm]	dm	dl
mp 2733										
X14980.3	β	320	410	480	133	171	140	77	63	44
	γ	415	465	475	173	196	71	..	..	
	δ	385	460	475	162	194	93	0:	93:	58
	ε	310	445	475	130	187	145	36	109	63
	k	365	420	470	155	179	105	60	45	34
	J	250	370	470	106	157	182	102	80	52
	η	140	270	470	60	115	258	168	90	56
	θ	120	205	470	51	87	274	213	61	43
	ι	95	150	470	40	64	297	251	46	34
	κ	70	110	470	30	47	324	282	42	32
	λ	60	80	470	26	34	337	313	24	20
mp 2729										
X13914.2	β	10	50	530	4	19	..		..	
	γ	30	120	530	11	45	421	286	135	71
	δ	20	80	535	8	30	446	324	122	67
mp 2729	β	325	370	545	119	136	162	135	27	22
X13914.1	γ	335	395	540	124	146	154	119	35	28
	x	295	390	535	110	146	176	119	57	41
	G	190	380	535	71	142	239	125	114	65
	4227	180	335	535	67	125	246	153	93	58
	4215	230	330	535	86	123	214	156	58	41
	ζ	190	255	530	72	96	238	198	40	31
	4077	165	240	530	62	91	255	206	49	36
	4046	130	210	530	49	79	278	226	52	38
	ε	~							-	
	ζ	~							-	

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μ Cep 2664										
X 12349.2	β	245	335	535	92	125	205	153	52	38
	γ	300	415	545	110	152	176	110	66	46
	x	390	415	545	143	152	124	110	14	12
	G	370	410	545	136	150	135	113	22	18
	4227	360	395	545	132.	145	141	121	20	17
	4215	380	395	545	140	145	129	121	8	7
	δ	250	365	550	91	133	206	140	66	46
	4077	310	350	550	113	127	171	149	22	18
	4046	300	330	550	109	120	178	160	18	15
	ε	65	255	555	23	92	349	205	144	73
	k	45	195	555	16	70	385	241	144	73
	ζ	50	120	555	18	43	374	290	84	54
μ Cep 2735										
X 14805.2	β	310	360	535	116	134	166	138	28	23
	γ	295	385	530	112	149	173	114	59	42
	x	255	380	530	96	144	198	122	76	50
	G	175	370	530	66	140	248	129	119	67
	4227	150	330	530	57	125	263	153	110	64
	4215	220	320	530	83	121	219	159	60	42
	δ	180	260	525	69	99	243	193	50	37
	4077	155	245	525	59	93	260	203	57	41
	4046	110	230	525	42	88	293	211	82	53
	ε	0	130			49	??	278		
	k	—								

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200 and mean

mp 2667										
✕14620.5	β	100	225	570	35	79	311	226	85	54
	γ	110	285	560	39	104	300	188	112	64
	δ	65	230	555	23	83	349	219	130	70
	ε	40	165	550	15	60	392	258	134	71
	k	95	120	545	35	44	311	288	23	19
	3	20	75	540	7	28	456	330	126	69
mp 2665										
✕14620.3	β	340	360	525	130	137	145	133	12	10
	γ	300	350	525	114	133	170	140	30	24
	x	280	350	525	107	133	181	140	41	31
	G	305	345	525	78	131	228	143	85	54
	4227	185	305	525	70	116	241	166	75	50
	4215	225	300	525	86	114	214	170	44	33
	δ	180	245	525	69	93	243	203	40	31
	4077	170	235	530	64	89	251	209	42	32
	4046	145	215	530	55	81	267	223	44	33
	ε	10	140	530	4	53	(500)	271	(229)	(88)
	k	10	80	530	4	30	(500)	324		
✕14620.4	γ	455	470	500	182	188	52	31	21	18
	x	450	470	500	180	188	57	31	26	21
	G	430	470	500	172	188	75	31	44	33
	4227	345	460	500	158	184	100	46	54	39
	4215	430	460	500	172	184	75	46	29	23
	δ	420	445	500	168	178	83	62	21	18
	4077	415	445	500	166	178	86	62	24	20
	4046	395	435	500	158	174	100	71	29	23
	ε	150	375	500	60	150	258	113	145	74
	k	~~80~~	320	500	32	128	319	148	171	79

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pep 2666										
X14620.1	β	380	395	480	158	165	100	88	12	10
	γ	370	400	505	147	158	117	100	17	14
	x	360	400	505	143	158	124	100	24	20
	G	320	395	510	126	155	151	105	46	34
	4227	265	370	510	104	145	185	121	64	44
	4215	330	365	510	129	143	146	124	22	18
	δ	280	330	515	109	128	178	148	30	24
	4077	275	320	520	106	123	182	156	26	21
	4046	250	310	520	96	119	198	162	36	28
	ε	35	215	525	13	82	406	221	185	82
	k	20	140	525	8	53	446	271	175	80
X14620.4	β	15	70	500	6	28	469	330	39	30
	γ	35	145	520	13	56	406	265	141	73
	x	90	145	520	35	56	311	265	46	34
	G	60	140	520	23	54	349	269	80	52
	4227	70	120	525	27	46	334	284	50	37
	4215	100	120	525	38	46	303	284	19	16
	δ	40	95	535	15	36	392	308	84	54
	4077	60	85	535	22	32	353	319	34	27
	4046	60	80	540	22	30	353	324	29	23
	ε	..								
	k	..								
pep 2679										
X5682.1	β	35	70	530	13	26	406	337	69	47
	γ	75	200	525	29	76	327	231	96	59
	δ	60	180	525	23	69	349	243	106	62
	ε	40	130	520	15	50	392	276	116	66
	3	15	65	520	6	25	469	341	128	69

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200 and mean

μ Sep 2679	β	90	120	520	35	46	311	284	27	22
X5682.2	4383	135	275	520	52	106	273	182	91	57
	γ	200	260	520	77	100	229	192	37	29
	x	160	250	520	62	96	255	198	57	41
	G	95	240	520	37	92	305	205	100	60
	4227	35	205	520	13	79	406	226	180	81
	4215	110	200	520	42	77	293	229	64	44
	δ	80	145	520	31	56	321	265	56	40
	4077	55	125	520	21	48	358	280	78	51
	4046	30	100	520	12	39	413	300	113	65
μ Sep 2736	β	250	350	520	96	134	198	138	60	42
X14805.1	γ	255	385	520	98	148	195	116	79	52
	x	350	385	520	135	148	137	116	21	18
	G	330	380	520	127	146	149	119	30	24
	4227	315	365	520	121	140	159	129	30	24
	4215	345	360	515	134	140	138	129	09	8
	δ	205	330	515	80	128	224	148	76	50
	4077	280	320	515	109	124	178	154	24	20
	4046	270	305	515	105	119	184	162	22	18
	ε	30	220	515	12	85	413	216	197	84
	k	20	160	515	8	62	446	255	191	83
	ζ	40	90	515	16	35	385	311	74	49
X14805.10	γ	15	80	530	6	30	469	324	145	74
	x	10	70	525	4	26	(500)	337	163	78
	G	10	60	525	4	23	(500)	349	151	75

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μeq 1212	β	380	420	540	141	156	127	103	24	20
X13554	γ	375	420	530	142	158	125	100	25	21
H.D.160635	x	340	420	530	128	158	148	100	48	36
K0	G	265	410	530	100	155	192	105	87	55
	4227	225	370	530	85	140	216	129	87	55
	4215	265	360	530	100	136	192	135	57	41
↘	δ	230	290	525	88	111	211	175	36	28
	4077	195	280	525	74	107	234	181	53	39
	4046	170	260	525	65	99	249	193	56	40
	ε	20	165	525	8	63	446	253	193	83
	k	10	115	525	4	44	(500)	288	212	86
μeq 1215	β	300	330	435	138	152	132	110	22	18
X13652	γ	215	275	435	99	126	193	151	42	32
H.D.2490	x	180	270	435	83	124	219	154	65	45
K5	G	110	280	435	51	120	274	160	114	65
	4227	30	220	440	14	100	329	192	207	85
↘	4215	120	210	440	55	95	267	200	67	46
	δ	70	145	440	32	66	319	248	71	48
	4077	60	125	440	27	51	334	274	60	42
	4046	30	90	440	14	41	399	295	104	62
	4383	165	295	440	75	134	233	138	95	58
H.D.2259	β	100	140	440	45	64	286	251	35	28
K0	γ	70	115	435	32	53	319	271	48	36
↘	x	50	110	435	23	50	349	276	73	49
	G	20	100	435	9	46	437	284	153	76
	4227	25	70	435	12	32	413	319	104	62
	4215	35	70	435	16	32	385	319	66	46

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1924phae.proj.1112P

μ Cep 1217	β	120	165	435	55	76	267	231	36	28
×13652	γ	65	125	435	30	58	324	262	62	44
H.D. 2608	α	35	120	435	16	55	385	267	118	66
K0	G	10	115	435	5	53	487	271	216	86
	4227	10	80	435	5	37	487	305	182	81
	4215	20	73	435	9	34	437	313	124	68
H.D. 3085	β	35	145	440	16	66	385	248	137	72
B8	γ	45	200	435	21	92	358	205	153	76
	δ	20	170	435	9	78	437	228	109	63
	ε	10	115	435	5	53	276	271	105	62
	ζ	10	60	435	5	28	276	330	46	34
μ Cep 1218	β	165	215	420	79	102	226	188	38	30
×13652.4	γ	105	160	420	50	76	276	231	45	34
H.D. 2723	α	80	160	420	38	76	303	231	72	48
K0	G	30	150	420	14	71	399	239	160	77
	4227	25	125	425	12	59	413	260	153	76
	4215	60	120	425	28	57	330	263	67	46
	δ	40	80	425	19	38	369	303	66	46
μ Cep 1219	β	360	375	430	167	174	85	71	14	12
×13653.2	γ	305	345	430	142	160	125	97	28	23
H.D. 11980	α	260	340	430	130	158	145	100	45	34
K5	G	240	335	430	98	156	195	103	92	57
	4227	100	300	430	46	140	284	129	155	76
	4215	225	290	430	105	135	184	137	47	35
	δ	175	240	430	81	112	223	173	50	37
	4077	140	220	430	65	102	249	188	61	43
	4046	100	195	430	46	91	284	206	78	51
	ε	0	100	430	0	46	..	284	..	

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μφ 1222	β	230	265	415	111	128	175	148	27	22	
HD165634	γ	250	315	415	120	152	160	110	50	37	
K0	α	265	310	410	129	151	146	111	35	28	
	G	230	300	415	112	146	173	119	54	39	discontinuous
	4227	175	270	410	85	132	216	141	75	50	
	4215	220	265	410	107	129	181	146	35	28	
	δ	170	215	410	83	105	219	184	35	28	
	4077	145	200	410	71	98	239	195	44	33	
	4046	130	185	410	63	90	253	208	45	34	
	ε	15	115	410	7	56	~~291~~ 456	265	~~78~~ 191	83	
	k	10	75	410	5	37	487	305	182	81	
μφ 1225	β	325	395	535	122	148	157	116	41	31	
X13656.1	γ	310	395	540	115	146	168	119	49	36	
	α	350	395	540	130	146	145	119	26	21	
	G	305	390	540	113	144	171	122	49	36	
	4227	305	365	540	113	135	171	137	34	27	
	4215	340	360	540	126	133	151	140	11	10	
	δ	220	315	540	81	116	223	166	57	41	
	4077	265	305	540	98	113	195	171	24	20	
	4046	250	290	540	93	108	203	180	23	19	
	ε	25	185	540	9	68	437	244	193	83	
	k	10	125	540	4	46	(500)	284	216	86	
X13656.3	β	115	215	560	41	77	295	229	66	46	
	γ	120	265	555	43	95	290	200	90	56	
	α	220	265	555	79	95	226	200	26	21	
	G	210	255	555	76	92	231	205	26	21	
	4227	200	235	555	72	85	238	216	22	18	
	δ	75	195	555	27	70	334	241	93	58	
	ε	20	110	550	7	40	456	297	159	77	
	k	10	75	550	4	27	(500)	334	166	78	

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Spectra of Cepheid variables

Plate No

MF 7914 ✓V Vel, H+K very strong, K very wide, Hyd strong.
✓RV Vel, normal K, Hγ seen, near edge

MF 7981 ✓V Vel, H+K sharp, Hyd strong, no G band

B 9284 ✓V Vel, too weak

B 9374 ✓V Vel, H+K strong, Hβ strong, out of focus
✓RV Vel, out of focus, too faint

B 10749 ✓V Vel, H+K strong, K wide, δ strong G band seen, out of focus

B 12867 ✓V Vel, Hβ bright?, no G band, H+K strong?

B 12387 ✓RS Cet, Hyd strong, no G band

B 24593 ✓RS Cet, Calcium strong, Hyd strong, other strong lines Fe+?

MF 8121 ✓RS Cet, Calcium strong Hδ strong, bright lines? at 4101, 4230?

MF 8827 ✓RS Cet, H+K strong, K wide, G band, out of focus

I 21418 ✓RS Cet, too poor

I 31075 ✓RS Cet Hyd strong, very poor

I 20195 ✓RS Cet, too poor

I 35086 ✓RS Cet, Calcium strong, out of focus

I 31306 ✓RS Cet, too poor

I 38408

B 40250 ✓SV Vel, faint, strong G band,
✓VV Cor, Calcium strong, Hyd strong, G band present bright lines?
✓SX Cor, Calcium strong?, faint
✓UX Cor, Hyd strong, weak,
✓RY Vel, Hyd strong, no G bands, lines sharp

B 40097 ✓SV Vel, H+K strong, Hyd strong esp. Hβ.
✓VV Cor — same throughout
✓SX Cor — too poor

NB Mira Cet on plates

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Plate No

B 40097 ✓ U X Car , H + K strong Hyd strong - no G band
✓ R V Vel , lines fine, absorption bands at red?
temperature not low

B 37574 ✓ V V Car , H ε + H δ bright,
✓ S X Car , too poor
✓ S V Vel , poor, temp. low

B 37702 ✓ V V Car , Calcium strong, poor focus
✓ S X Car , Hyd strong, no G band
✓ S V Vel , calcium strong, G band seen,
no Hyd seen
✓ U Car , Calcium strong, Hyd strong,
lines sharp + strong

B 39865 ✓ S V Vel , too poor
✓ U X Car , too poor, lines not strong
✓ V V Car , Hyd strong, two bright lines
between H ε + H δ, 1 between H ε
+ H ε
✓ S X Car lines very sharp
✓ U Car Calcium strong, G band
seen, lines strong
✓ E R Car , Calcium strong, G band seen

B 40223 ✓ U X Car , Hyd strong, Calcium strong,
✓ S V Vel poor focus, very cool
✓ V V Car , H ε strong, G band seen,
Calcium sharp
✓ U Car , G band strong, absorption
bands in red, temp. low
bright lines?
✓ E R Car Calcium strong, H ε strong
Hyd sharp, G band seen

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B 43090 ✓ UX Car, out of focus
✓ U Car, calcium + Hyd strong, out of focus
B 43151 ✓ UX Car too poor
✓ U Car, absorption bands in red, Hβ bright?
✓ C R Car, too poor
B 43170 ✓ UX Car too poor
✓ U Car, absorption bands in red, Hβ dark
✓ C R Car, Hδ bright??
MF 7810 ✓ UX Car too poor
B 15557 too poor
MF 7863 ✓ S V Vel too poor
✓ V Y Car, calcium sharp, Hyd sharp, G band seen
✓ S X Car, too poor
✓ U Car, Hyd + Calcium strong
✓ C R Car, " " " "
✓ U V Cen ——
MF 7922 ✓ S V Vel, Hyd strong, bright lines as above
✓ V Y Car calcium weak, Hyd strong, no G band, strong br line between Hβ + Hδ weak bright line near Hδ
✓ S X Car too poor
✓ U Car Hyd lines bright, brightest line as in V Y Car, Calcium strong
✓ C R Car, Calcium + Hyd strong, G band strong
MF 7957 ✓ U X Car, fairly normal, G band seen
✓ V Y Car, burnt out
✓ S X Car, Hyd strong

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62 ✓

MF 7957 ✓ S V Vel, lines sharp
✓ U Car, lines sharp
✓ ~~S~~ Car burnt out

B 9421 ✓ S V Vel sharp lines
✓ V V Car bright lines as above
✓ S X Car too faint
✓ U Car strong Calcium, Hyd weak
✓ C R Car ~~strong~~ Ca

B 39869 ✓ R V Vel, Hyd very strong, surely earlier than G2
✓ U X Car Hyd very strong
✓ V V Car too poor
✓ S V Vel too poor

B 41393 ✓ R V Vel wrong star marked
✓ R V Vel too poor

B 12976 too poor

B 38986 ✓ S V Vel, Hyd strong, lines sharp, bright lines as above
✓ V V Car, Hyd strong + sharp, bright lines as above strong absorption lines between H δ + H ε
✓ S X Car too poor

MF 7942 ✓ R V Vel, lines sharp, G band strong
✓ S V Vel, Hyd strong, G band weak

B 40275 ✓ V Vel too poor
B 40165 ✓ V Vel too poor
B 13082 ✓ V Vel Hyd strong, Ca strong, no G band
B 40188 ✓ V Vel Hyd + Ca strong, no G band

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	Plate No		
B	38748 ✓	V Vel	Hyd + Ca strong, out of focus
I	16310 ✓	SZ Cyg	too poor
I	16464 ✓	SZ Cyg	too poor
I	34636 ✓	SZ Cyg	too poor
I	35575 ✓	SZ Cyg	too poor
I	36206 ✓	SZ Cyg,	" "
I	36370 ✓	SZ Cyg,	" "
I	38928 ✓	SZ Cyg,	" "
B	15135 ✓	SW Tau	hyd strong + sharp
I	38714 ✓	V U Mi	lines sharp, absorption bands in red, no emission lines
B	41151 ✓	V Car	hyd strong Ca strong no G band
B	12673 ✓	U Mon,	Ca strong, Cyanogen strong Hyd weak, G band strong bright line at H5
B	20801 ✓	U Mon	out of focus
B	20802 ✓	U Mon	Ca strong G band strong, Hyd weak
B	24686 ✓	U Mon,	Ca strong, Cyanogen strong burnt out
B	20430 ✓	U Mon,	too poor
I	27941 ✓	U Mon,	poor, lines strong
B	41136 ✓	U Mon,	Ca strong, Cyanogen strong
B	12684 ✓	U Mon,	Ca, Cyanogen, G band all strong, Hyd medium
MF	7811 ✓	T Vel	too poor
MF	7815 ✓	T Vel	Hyd strong Ca strong G band strong

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Plate No		
MF 1869	✓ T Vel,	Ca strong, G band strong Hyd medium
MF 7941	✓ T Vel	Ca strong, Gs band strong Hyd strong + sharp, other lines sharp
B 40073	✓ V Car	- too poor
T 31325	✓ SW Tau	too poor
I 36395	✓ SW Tau	too poor
MF 8834	✓ SW Tau	Ca strong, Hyd medium
B 10593	✓ SW Tau	Hyd very strong
MF 8304	✓ S W Tau	Hyd strong, Ca medium
MF 10029	✓ RX Aur	Ca strong, G band strong Hyd medium
I 3369	✓ VUMi,	poor focus very strong absorption bands in red
I 33034	✓ VU Mi	very strong absorption bands in red, no bright lines, only strong dark line 4227
I 34488	✓ VU Mi,	Class M, very poor
I 38467	✓ VU Mi,	early Class M, very faint
MF 8213	SS Gem	too poor
I 19793	SS Gem	Ca strong, very poor
I 20247	SS Gem	too poor
I 21977	SS Gem	too poor
I 33721	SS Gem	late K, too poor
I 37446	SS Gem	too weak
I 38493	S V Vul	lines strong very poor
I 38794	S V Vul	lines very sharp
I 39465	✓ V Vul,	Hyd strong not sharp, Gs band strong

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Plate No

MC 19967 S V Vul, Hyd strong, very poor
MC 19971 S V Vul, lines strong & sharp, Hs band strong — excellent plate

MF 8041 S V Vul, Ca strong, lines strong
MF 8608 S V Vul, Ca very strong, Hyd strong, Hs band weak

MF 8630 S V Vul, Ca strong, Hyd strong, Hs band weak

MF 8037 S V Vul too poor
B 53126 S V Vul too poor
I 1326 S V Vul too poor
I 1524 S V Vul too poor
I 1573 S V Vul too poor
I 11224 S V Vul too poor
I 11241 S V Vul too poor
I 22826 S V Vul too poor
I 23123 S V Vul too poor
I 30680 S V Vul too poor
I 34919 S V Vul too poor
I 35536 S V Vul too poor
I 38509 ✓ S U Cyg Hyd very strong, wide, 4077 strong, Ca strong, lines not sharp

I 38200 ✓ W Sgr many strong sharp lines, Ca strong

X 11749 ✓ W Sgr lines strong & sharp, see elsewhere
X 7054 ✓ X Sgr lines strong & sharp, see elsewhere

B 36858 ✓* X Sgr Cyanogen strong many Hyd lines

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Plate No

B 5784 ✓ W ~~Sgr~~ — Ca very ~~strong~~.
✓ X ~~Sgr~~ — Ca very ~~strong~~

B 43301 ✓ X Sgr — Hyd very ~~strong~~, Ca very sharp
✓ W Sgr — lines very sharp. Ca very strong, nice plate

B 3665 ✓ X Sgr, Ca very strong
B 3706 ✓ X Sgr — Ca very strong
B 15612 ✓ S Cru, burnt out
B 39186 ✓ R Cru — Ca strong out of focus
✓ T Cru — " " " " "
B 16724 ✓ R Cru — " " " " "
✓ T Cru — " " " " "
B 13829 ✓ U Aql, Ca very strong, H β strong, rest of Hyd weak, no G band
B 10078 ✓ U Aql — Hyd ~~strong~~, Ca strong, Fe + strong, G band seen
C 16515 ✓ RT Aur — Hyd strong, other lines strong & sharp
I 38557 ✓ T U Cas — Hyd strong + fairly sharp Ca medium
B 3097 ✓ T U Cas — too poor
B 2929 ✓ T U Cas — too poor
I 38554 ✓ T U Cas — many sharp lines. Another spectrum
X 7380 ✓ U Car — many strong sharp lines G band strong
B 7530 ✓ ER Car — Ca + Hyd strong
B 7531 ✓ ER Car — Ca strong, other lines fine + weak

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Plate No

B 9 115 ✓ SrVel too poor
B 21379 ✓ SrVel too poor
B 7526 too poor
B 19639 ✓ too poor
B 13025 ✓ VCar, H γ strong, Ls band strong = to H γ
B 13081 ✓ VCar, Ca strong, H γ = Ls band medium
B 15189 ✓ VCar, Ca strong, cyanogen strong
B 12658 ✓ RS Pup, Temperature low, Ls band seen, no strong lines
B 24341 ✓ RS Pup Temp low Ls band seen, no strong lines, out of focus
B 39920 ✓ RS Pup, Hyd strong, poor plate
B 42919 ✓ RS Pup, out of focus, at edge
MF 7825 ✓ RS Pup, Hyd medium, Ls band strong 4227, 4215 strong
MF 7833 ✓ RS Pup, same entry
MF 7889 ✓ RS Pup Ls band strong, very poor
MF 7897 ✓ RS Pup, Hyd strong, Ls band medium Ca strong
MF 7913 ✓ RS Pup Hyd strong, Ls band medium, Cyanogen weak
B 18301 ✓ X Pup, Ls band strong, very faint
B 18288 ✓ X Pup Ls band strong, Hyd medium
B 44381 ✓ X Pup, too poor
B 44424 ✓ X Pup, too poor
B 44427 ✓ X Pup, too poor
B 39862 ✓ X Pup, Ls band strong, poor
MF 7832 ✓ X Pup, Hyd very strong, Ls band stronger, Ca medium, Class F5

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Plate No

MF 7852 ✓ X Pup, Ca band very strong, nothing else seen

B 15126 ✓ S V Mon, Ca band strong? very faint
✓ T Mon, H δ very strong, no Ca band, Cyanogen strong

I 33714 ✓ T Mon too poor

MF 8903 ✓ R S Ori, Ca strong, Hyd strong + sharp, no Ca band

I 2324 ✓ R S Ori, Hyd strong + sharp, very poor

I 7719 ✓ R S Ori Ca band? very poor

I 20222 ✓ R S Ori too poor

I 26241 ✓ R S Ori too poor

I 31372 ✓ R S Ori too poor

I 37579 ✓ R S Ori Hyd strong + sharp Fe + strong

I 38171 ✓ T Mon, Ca strong, Ca band strong, Hyd strong out of focus

I 38223 ✓ S T Tau, Ca band seen, Hyd strong? very poor

I 38168 * ✓ T Mon, Ca strong, Hyd strong + sharp, Ca band strong + narrow, no Cyanogen

B 38411 ✓ T Mon Hyd strong, cyanogen strong

B 20708 ✓ S V Mon too poor

B 15138 ✓ S V Mon too poor

B 12670 ✓ T Mon, Hyd strong, Cyanogen strong No Ca band

✓ S V Mon - no strong lines, very poor

B 20657 ✓ S V Mon too poor

I 29375 ✓ S V Mon too poor

I 31449 ✓ S V Mon too poor

✓ T Mon Hyd + Cyanogen strong

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Plate No

MF 1337 ✓ SV mon too poor
E 24106 ✓ S V mon Cs band strong too poor
E 7872 ✓ S V mon Cs band strong very poor
✓ I mon Hyd + Cyanogen strong
I 14072 ✓ T mn too poor
I 19431 ✓ SV mon too poor
I 19831 ✓ SV mn Cs band strong, very poor
I 38217 ✓ ST Tau, Hyd strong + sharp
I 31435 ✓ ST tau Cs band strong, very poor
I 36346 ✓ ST Tau Hyd strong; very poor
I 36515 ✓ ST Tau too poor
MF 10043 ✓ ST Tau Ca strong + sharp; Hyd sharp
no Cs band
I 27940 ✓ ST Tau too poor
I 37365 ✓ RX Aur Cs band strong, Hyd strong;
out of focus
I 38934 ✓ RX Aur, Hyd strong, Cs band weak
I 9920 ✓ RX Aur too poor
I 28554 ✓ RX Aur Cs band strong, very poor
I 31003 ✓ RX Aur Hyd strong, very poor
I 2314 ✓ RX Aur too poor
I 2536 ✓ RX Aur too poor
I 2757 ✓ RX aur too poor
I 2816 ✓ RX Aur too poor
I 3047 ✓ RX Aur, Cs band strong, very poor
I 3267 ✓ RX Aur too poor
E 9673 ✓ SZ Tau Hyd sharp + strong
Cs band strong + narrow = H γ
Fe + strong, no cyanogen
I 37511 ✓ SZ Tau, Hyd medium, Cs band medium
out of focus

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Plate No

I 37544 ✓ SZ Tau — Hyd ~~strong~~, Gband weak, poor focus

I 38920 ✓ SZ Tau — Hyd ~~strong~~, Gband medium 4077, 4215 strong

MF 9976 ✓ SZ Tau — , Hyd sharp, burnt out

MF 9980 ✓ SZ Tau — burnt out

MF 9985 ✓ SZ Tau — same entry

MC 18475 ✓ SZ Tau — , Hyd string + sharp, G band very weak + narrow Fe + string, 4077 string

MC 21620 ✓ SZ Tau — , Hyd ~~string~~, no G band

I 38301 ✓ SZ Tau — , Hyd medium, G band string

I 38302 ✓ SZ Tau — Hyd medium, G band string

I 38303 ✓ SZ Tau — Ca string, too poor

I 38976 ✓ SZ Tau — Hyd medium, G band weak, out of focus

I 35803 ✓ SZ Tau — too poor

I 36520 ✓ SZ Tau — too poor, Hyd string

I 37487 ✓ SZ Tau — Hyd string, G band medium

I 10120 ✓ SZ Tau — Hyd string, Ca string, G band weak

I 13846 ✓ SZ Tau — Ca string, Hyd medium

I 13849 ✓ SZ Tau — Hyd medium, Ca string

I 14049 ✓ SZ Tau — too poor

I 24183 ✓ SZ Tau — too poor

I 32858 ✓ SZ Tau — Ca string, Hyd ~~strong~~, out of focus

I 33585 ✓ SZ Tau — Hyd ~~strong~~, very poor

I 9856 ✓ SZ Tau — Hyd ~~strong~~, G band very weak, out of focus

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Plate No		
I 38946 ✓	RX Cam	Hyd + Ca seen, very poor
I 38956 ✓	RX Cam	Hyd + Ca seen, very poor
I 38969 ✓	RX Cam	too poor
I 33409 ✓	RX Cam	too poor
I 33486 ✓	RX Cam	too poor
MF-8201 ✓	X Ari	Hyd sharp + strong
MF-8297 ✓	X Ari	Hε strong, poor focus
I 36513 ✓	X Ari	Hyd strong
I 36872 ✓	X Ari	Hyd strong
I 7132 ✓	X Ari	too poor
I 37427 ✓	RX Cam	Hyd strong, very faint
I 37435 ✓	RX Cam	Hyd sharp + strong, Is band strong + narrow sharp metallic lines
B 12026 ✓	X Ari	Hyd strong not particularly sharp.
C 16515 ✓	RT Aur	Hyd strong + sharp Is band strong + narrow, sharp metallic lines
I 1662 ✓	X Cyg	lines strong
	γ Cyg	– hyd lines sharp
I 1829 ✓	X Cyg	hyd strong, Is band strong Ca narrow, absorption band in red
	γ Cyg	– hyd lines narrow
I 2436 ✓		
I 2470 ✓	X Cyg	absorption bands in red, hyd weak, Is band seen, Ca sharp
	γ Cyg	– hyd sharp
I 2504 ✓	X Cyg	– hyd strong, Ca strong
I 2529 ✓	X Cyg	– absorption in red,
	γ Cyg	hyd sharp

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Plate No

I 2554 γ Cyg - hyd sharp
✓ X Cyg - very red, too poor

I 2591 too poor

I 38502 ✓ I Vul, - hyd strong, Ca string + sharp
G band weak

Mc 21602 ✓ T X Cyg - too poor

I 16902 ✓ T X Cyg - too poor

I 19591 ✓ T X Cyg - too poor

B 24064 ✓ γ Oph - hyd strong, G band very strong

B 24102 * ✓ γ Oph - hyd medium, no G band
strong line at 4440?

B 21878 ✓ γ Oph - hyd medium, G band strong

B 23482 ✓ γ Oph - hyd medium, G band strong

B 23812 ✓ γ Oph - hyd medium, G band strong,
Ca strong.

B 23818 ✓ γ Oph, hyd medium, G band strong,
Ca strong

B 11378 ✓ γ Oph - G band strong

B 11392 ✓ γ Oph - Ca string, hyd strong,
G band weak

B 12020 ✓ γ Oph - Ca string, G band strong,
hyd weak

B 13377 ✓ γ Oph - hyd strong, G band = hyd,
Ca strong, lines sharp

B 13414 ✓ γ Oph - lines sharp, Ca strong,
hyd medium, G band strong.

B 13812 ✓ γ Oph - Ca strong, out of focus

B 23025 too poor

B 21746 ✓ X Cru - hyd sharp, G band = hyd. Ca sharp

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B 21746 ✓S Cru — Ca sharp, hyd sharp, Gs band medium

B 37591 ✓R Cru — Ca strong, Gs band strong hyd weak

✓T Cru — same as above

✓X Cru — Ca strong, hyd weak, Gs band seen

B 40731 ✓RY Sco — hyd strong

×TX Sco — out of focus

B 14368 ✓ too poor

B 14508 ×TX Sco — hyd very strong, not sharp

B 14765 ×TX Sco — hyd strong, rather sharp,

✓RY Sco — too poor

B 20509 ✓RY Sco too poor

×TX Sco — hyd strong

B 39203 ×TX Sco — hyd fairly strong,

✓RY Sco — too poor

B 40763 ×TX Sco — hyd rather sharp, strong

B 9546 ×TX Sco — hyd strong, not sharp

B 9828 ×TX Sco — hyd strong

✓RY Sco Hβ strong

B 12046 ×TX Sco — hyd strong

B 12195 ×TX Sco — hyd strong

B 13109 ✓RY Sco — hyd strong for first time

B 13434 ×TX Sco — hyd strong

B 13795 ×TX Sco — hyd strong

✓RY Sco — hyd strong, Gs band strong

B 13829 ✓RY Sco — Ca strong, hyd medium

×TX Sco — hyd strong sharp

B 13850 ×TX Sco — too poor

B 9375 ✓X Cru — Gs band strong, hyd weak

✓S Cru — Ca strong, Gs band strong, hyd weak

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Plate No

B 9399 ✓ X Cru – G band strong, blurred
✓ S Cru – Ca very sharp, hyd strong, no G band, mark ~~tight~~ type

B 13085 ✓ X Cru – hyd medium, G band = hyd
✓ S Cru – Ca weaker than previous plate, hyd stronger. Cyanogen strong

B 13794 ✓ X Cru – hyd strong Ca strong
✓ S Cru – a little hyd – G band strong Ca strong

B 16724 ✓ S Cru – everything rather weak
✓ T Cru – Ca & hyd strong

B 19869 ✓ X Cru – Ca strong, G band ~~strong~~ hyd medium
✓ S Cru – Ca sharp, hyd ~~strong~~, G band medium

B 38547 ✓ X Cru – Ca sharp hyd medium
✓ S Cru – burned out

B 38958 ✓ X Cru – Ca & hyd strong

B 39267 ✓ X Cru – Ca strong, hyd weak, G band strong
✓ S Cru – Ca ~~strong~~, hyd ~~medium~~ G band strong

B 43152 ✓ – poor focus

B 43196 ✓ S Cru – hyd medium, G band strong

B 43611 ✓ R Cru Ca & hyd strong G band weak
✓ T Cru – Ca medium, hyd medium

B 53138 ✓ ~~too~~ poor

MF 7823 ✓ ~~too~~ poor

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Plate No

MF 7903 ——— ——— ———

MF 7915 ✓ X Cru – G band strong,
✓ S Cru – burned out
✓ R Cru – Ca sharp, G band strong
lines sharp

MF 8008 ✓ X Cru – hyd weak, G band – medium

I 9647 ✓ X Lac – too poor

I 13534 ✓ X Lac – plate too dirty

I 13843 ✓ X Lac – too poor

I 14261 ✓ too poor

I 14272 ✓ too poor

I 1782 ✓ X Lac too poor

I 37040 ✓ X Lac too poor

I 34819 ✓ X Lac – hyd seen

I 38803 ✓ X Lac – too poor

B 12252 ✓ BB Sgr – Ca strong, hy medium
G band strong, emission at 4440.?

B 13845 ✓ BB Sgr – same entry as above

B 17038 ✓ YZ Sgr Ca strong, G band strong,
hyd weak

✓ BB Sgr – Ca strong, G band strong

B 19912 ✓ BB Sgr – Ca strong, G band
strong, hyd weak

B 20206 ✓ BB Sgr – too poor

B 24293 ✓ BB Sgr – Ca strong, hyd strong

B 24259 ✓ G = hyd

✓ BB Sgr – Ca sharp, hyd strong

B 36143 ✓ YZ Sgr – hyd strong – no G band

✓ BB Sgr hyd strong

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Plate No

B 39281 ✓ BB Sgr – G band strong, hyd medium
✓ YZ Sgr – same as this, Ca strong

B 39496 ✓ YZ Sgr – Ca strong, hyd medium, G = hyd medium, lines very sharp
✓ BB Sgr – Ca medium, hyd medium, G band strong

B 40442 – too poor
B 40620 ✓ YZ Sgr – Ca sharp, G = hyd.
B 10085 ✓ BB Sgr – hyd strong; G band stronger
B 23765 ✓ BB Sgr – lines medium

I 38063 ✓ ——————————————

B 38105 ✓ BB Sgr – Ca sharp, G band strong
B 38828 too poor
B 19023 too poor
B 9378 ✓ RU Cen – too poor
I 36651 ✓ SU Dra – too poor
I 37583 ✓ SU Dra – hyd medium, not sharp
B 15605 ✓ RU Cen too poor
B 19003 ✓ RU Cen – too poor
B 37608 ✓ RU Cen – too poor

I 1231 ✓ X Cyg Ca str, Hβ str
Y Cyg H lines narrow

B 13424 ✓ TT Aql G bd str, H wk
13464 ✓ TT Aql G = H; med; Ca shp
21770 ✓ TT Aql G str H wk; lines at 4440 : 4480 cool spec.
3375 ✓ ST A Ca str; out of focus
38111 ✓ RU Sct too poor
19750 ✓ ST A H = G? out of focus

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B 36121 ✓ R TrA Ca str; H str; out of focus
37593 ✓ V Cen Ca str H str? burnt out
37618 ✓ V Cen G str, Ca str
43874 ✓ S TrA H med, shp; G = 2H; c lines str.
✓ U TrA H = G, sp ft.
I 5287 ✓ X Cyg G str; out of focus
~~Y Cyg H shp~~
MF 7827 ✓ V Cen Ca shp, H shp, med; G str = 2H
MF 7878 ✓ V Cen H n.s; G wk, burnt out
R Cen 4227 wk, emis? at Hδ, Ti O bds, H-K med
7905 ✓ V Cen Ca str, H shp, wk; G ≡ H
7917 ✓ V Cen Ca med, H wk, G str = 3H
7966 ✓ V Cen Ca str, H wk, G str = 2.5 H
7974 ✓ V Cen Ca str, shp, H wk, shp, G = 1.5H
7984 ✓ V Cen Ca str, G med, H wk
8035 ✓ V Cen Same entry
B 40461 ✓ V Cen Ca str, G seen, stronger than H, poor focus
41395 ✓ V Cen H med, Ca str, G = 1.5 H
41737 ✓ V Cen Ca str, H str, shp? G = H
42276 ✓ V Cen H wk, G med
42462 ✓ V Cen Ca med, H med, G = 2H
42467 ✓ V Cen H med, G 1.5 H, Ca str
42524 ✓ V Cen too poor
43049 ✓ V Cen G = 2H, H str? shp? Fe + seen, poor focus
53108 ✓ V Cen G = 2H
53116 ✓ V Cen G n.s, H str, Ca str
53153 ✓ V Cen Ca med, G = 1.5 H, H wk
53198 ✓ V Cen as 53116
53202 ✓ V Cen G seen, Ca str, H str

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B36340 ✓ V Cen H str, G = 1.5 H
38501 ✓ V Cen G str, H med to wk
38988 ✓ V Cen same
13086* ✓ V Cen H vs, G just seen, Ca med, exc. plate
14131 ✓ V Cen G str H just seen, Ca str
19397 ✓ V Cen too poor
19917 ✓ V Cen Ca v wk H wk nothing else seen, burnt out
21301 ✓ V Cen H str, Ca med; out of focus
23018 ✓ V Cen Ca med, G str, H wk
11508 ✓ V Cen Same
11659 ✓ V Cen Same but Ca stronger
11707 ✓ V Cen H med, G = H, shp; Ca med
5271 ✓ V Cen too poor
8314 ✓ V Cen G band str; poor
8321 ✓ V Cen too poor
9777 ✓ V Cen G str; poor
14353 ✓ STrA H med, G str, poor
✓ RTrA H ~~str~~ med, shp, G = H, Ca shp, str
19871 ✓ RTrA Ca str, H wk, G str
36331 ✓ STrA H wk = G, poor
38802 ✓ STrA too poor
38831 ✓ RTrA Ca str, H str, G > H, lines rather shp, exc. sp.
✓ STrA too poor
3371 ✓ STrA too poor
5274 ✓ STrA Ca str H str G $\frac{1}{2}$ H, c lines str esc
39395 ✓ RUSct Too poor
39417 ✓ RUSct too poor
40280 ✓ RUSct too poor
40336 ✓ RUSct too poor

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B 11579 ✓ RU Set too poor
41893 ✓ RU Set too poor
41898 ✓ RU Set too poor
41912 ✓ RU Set too poor
41913 ✓ RU Set too poor
53183 ✓ RU Set too poor
53257 ✓ RU Set H str not shp
53259 ✓ RU Set too poor
53262 ✓ RU Set too poor
24010 ✓ RU Set too poor
24022 ✓ RU Set too poor
24026 ✓ RU Set too poor
10112 ✓ RU Set too poor
10113 ✓ RU Set too poor
I 3391 RU Aql too poor
B 53217 ✓ TT Aql } poor
RU Aql }
53195 ✓ SZ Aql too poor
✓ TT Aql G strong; poor
I 38922 ✓ X Cyg too poor
I 38890 ✓ X Cyg G str, H med, Fe +; Cool
38914 ✓ X Cyg out of focus, H str, Temp higher
38911 ✓ X Cyg same entry
B 13813 ✓ TT Aql too poor, temp. low
14665 ✓ TT Aql exc., temp. high; H wk G med Ca str
17044 ✓ TT Aql Similar but Ca stronger
11379 ✓ TT Aql H med = G, Ca str, lines shp
12038 ✓ TT Aql H wk, Ca shp, str G med
12039 ✓ TT Aql Same
40409 ✓ TT Aql } too poor
✓ SZ Aql }

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40452	✓TT Aql	too poor
N 8092	✓TT Aql	burnt out
	XY Aql	too poor
25511	✓TT Aql	too poor
25534	✓TT Aql	too poor
30866	✓TT Aql	too poor
I 38535 *	✓TT Aql	Ca str, H str, shp, no G, Fe seen, c lines strong
I 37235 *	✓S Sge	Ca med, H shp, med, G str, c lines str
I 30866	✓TT Del	too poor
37238 *	✓S Sge	As above but H stronger.
	✓U Vul	H str, not very shp G = 0.6 H, Si +? No c lines
38809 *	✓S Sge	lines not very shp, G = H, c lines str, Ca str
38023	✓η Aql	burnt out
38809	✓S Sge	as 38809
33560	✓U Vul	too poor
37829	✓U Vul	too faint
39465	✓U Vul	H str not very shp, G ½ H, c lines there
	SV Vul	too poor
I 18981	✓u Vul	too poor
23250	✓u Vul	too poor
36748	✓u Vul	too poor
36761	✓u Vul	too poor
18550	✓u Vul	too poor
18573	✓u Vul	too poor
18601	✓u Vul	too poor
18686	✓u Vul	too poor
18835	✓u Vul	too poor

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13803	✓ η Vul	too poor
13280	✓ η Vul	too poor
14612	✓ η Vul	G band strong, very poor
15828	✓ η Vul	too poor
16045	✓ η Vul	too poor
17417	✓ η Aql	burnt out
37812	✓ η Aql	burnt out
10129	✓ η Aql	" " CN strong
10355	✓ η Aql	" "
11312	✓ η Aql	G = H; not good
13837	✓ η Aql	burnt out; CN strong
21659	✓ η Aql	CN wk, " ", Balmer series far (see 0)
30941	✓ η Aql	burnt out
34811	✓ η Aql	" "
4619	✓ SSge	Ca vs, CN str, G str, H inconspic
33388	✓ S Sgr	burnt out
B 40455	✓ Y Sgr	H shp Ca shp, G str, c lines there
	✓ YZ Sgr	Ca str; out of focus
40594	✓ WZ Sgr	too ft
	✓ Y Sgr	Ca shp, str, H shp, G > H,
	✓ XX Sgr	too wk
	✓ YZ Sgr	Ca str, out of focus
45307	✓ YZ Sgr	, as above
	✓ BB Sgr	Ca str, H str, G = H
10162	✓ YZ Sgr	too poor
11321	✓ YZ Sgr	Ca str, G str, H inconspic
12224	✓ YZ Sgr	" " all else "
14620	✓ YZ Sgr	" " G str shp, all else inconsp.
	✓ U Sgr	lines shp
	✓ Y Sgr	out of focus
	✓ XX Sgr	too faint

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36336	✓ STrA	H med, G str, lines not shp
	✓ UTrA	H str, Bwk, Ca wide
6858	✓ STrA	H str; G < H, Ca very shp
	✓ UTrA	Ca very shp, H str
9459	✓ STrA	G = H, both shp
	✓ UTrA	G > H
11527	✓ STrA	Ca str, G very str H inconsp, CN str
	✓ UTrA	H str, G < H, Ca shp, max type
11637	✓ STrA }	too poor
	✓ UTrA }	
13099	✓ STrA	Ca str, rest inconsp
	✓ UTrA	H str; out of focus
13774 *	✓ STrA	H med, shp; Ca str, CN str, G < H c lines str.
	✓ UTrA	H med shp, Ca str, G << H, 5 lines n s
14132	✓ STrA }	too poor
	✓ UTrA }	
36304	✓ STrA	Out of focus, G str
	✓ UTrA	" " "
8642	WSer	H str not shp
	✓ XXSgr	too poor
	✓ YSgr	G str Hwk
	✓ WZSgr	G str; poor
13757	✓ XXSgr	too poor
	WSer	H str not shp
	✓ YSgr	Ca str, CN str; burnt out
	✓ WZSgr	G very str
13802	WSer	too poor
	✓ YSgr	G str, CN med
	✓ XXSgr	too poor

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39346 ✓ XX Sgr G fairly str, H inconsp.
✓ YZ Sgr burnt out

39478 ✓ YZ Sgr G str, Ca str
40447 ✓ YZ Sgr burnt out
53163 ✓ R Mus out of focus
✓ S Mus burnt out

MF 7851 ✓ R Mus } too poor, burnt out
✓ S Mus }
7935 ✓ S Mus burnt out
7936 ✓ R Mus } " "
✓ S Mus }
7950 ✓ R Mus " "
✓ S Mus " "
7982 ✓ R Mus Ca str H med G > H lines shp?
✓ S Mus Ca str G str H inconsp, C lines there?
B 4980 ✓ R Mus too poor
✓ S Mus " "
13024 ✓ R Mus G str H out Ca med
✓ S Mus G > H, Ca med
13773 ✓ S Mus G > H, C lines?
✓ R Mus nothing consp but Ca
15409 ✓ R Mus G str, H not seen, Ca str
✓ S Mus burnt out
16723 ✓ R Mus G str H med
✓ S Mus G str H ~~med~~ v s Ca str
37582 ✓ R Mus burnt out
✓ S Mus burnt out
MF 7863 × U V Cen H lines str not shp
✓ ER Car G str
✓ W Car Ca str, burnt out
✓ SX Car H str? poor

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MF 7863 (Car)	✓ V Y Car	G str, Ca str
	✓ SV Vel	poor
B 14619	✓ Y2 Sgr	strange sp; c star like the str one?
38063	✓ BB Sgr	H shp, G = H, Ca vs
	✓ Y2 Sgr	G str, Ca shp
19902	✓ U TrA	H str Ca str no G
	✓ S TrA	G str Ca str
21785	✓ U TrA	too poor
	✓ R TrA	burnt out
	✓ S TrA	" "
X 11998	✓ S Mus	Excellent. C.
B 38924	✓ R Mus	good, lines clear, G str
	✓ S Mus	G = H

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Measures made to check the determined magnitudes in the sequences for Cepheid Field 7.

R.H. 2971 15^h +45

SV Boo	14 28	+ 39 45
a	14.1	
b	14.1	
c	14.6	
d	14.8	
SW Boo	14 21	+36 45
a	13.8	
b	14.2 ?	
c	14.6	This is all right on this plate
d	14.4	
e	14.6	
f	14.9	
W C Vn	14 0	+38 31 at edge of plate
a	13.7	
b	14.3	
c'	13.1	14.7
d	on secondary of nearby star	
TV Boo	14 11	+43 2
a	13.1	
b	13.3	
c	13.3	
d	13.7	
e	14.1	
f	14.2	
g	14.8	
TW Boo	14 39	+41 39
a	13.7	
b	137	
c	14.3	
d	14.8	

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Mag. From curve	Adopted Mag	
1080	1052	} omit as too bright
1080	1134	}
1158	1152	checks
1209	1181	
..		
1039	See p. 111	
1092		
1158		
1122		
1158		
1240		
..	See p. 111	
[1022]		
[1108]		
[1180]		
..		
..		
910	9.16	checks
952	9.34	
952	9.62	
1022	10.31	
1080	10.84	
1092	11.21	
1209	12.38	
..		
1022	9.91	omit
1022	10.02	✓
1108	11.02	✓
1209	12.28	✓

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RH 2963 $14^h + 30$

RS Boo 14 27 +32

also RV Boo

a	12.1	13.3	14.8
b	12.8	14.4	
c	13.1		
d	13.5		
e			
f	14.1		
g	14.2		
h	14.2		
k	14.2		
l	14.4		

SW Boo 14 21 +36 45

a	13.4		
b	14.1		
c	14.5		
d	14.3		
e	14.6		
f	14.8		
g	14.8		

W CVn 14 0 +38 31

a	13.2	
b	14.1	
c	14.1	
d	14.3	near another image
e	14.5	
f	14.8	

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	RH2791		Adopted	
844			841 ✓	
924			916 ✓	
960			1004	omit
1011			1011 ✓	
..			(1049)	omit
1089			1074 ✓	
1102			1078	omit
1102			1093 ✓	
1102			1103 ✓	
1134			1120 ✓	
..				
		Mean		
999	1039	1019	1016 ✓	
1089	1092	1090	1112 ✓	
1152	1158	1155	1118	These stars are rightly identified. See Bk. 44 p. 77 C seems from the measures to be slightly variable and is now omitted from the sequence.
1117	1122	1120	1151 ✓	
1170	1158	1164	1182 ✓	
1225	1240	1232	1217 ✓	
1225	..		1276 ✓	
..				
974	[972 1022]	973	975 ✓	
1089	[1058 1108]	1074	1044 ✓	
1089	[1130 1180]	1110	1097 ✓	
1117		1117	1132 ✓	
1152		1152	1147 ✓	
1225		1225	1185 ✓	

Sequences in field 7 are checked and the marks on the two preceding odd pages indicate omissions. There are no changes in magnitude for retained stars.

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Check measures on Cepheid Field 4

RH 2511 6^h +15°

			Denied Magnitude	RH 2963	RH 524	RH 613		Means		Red.		Σ	Mean
(1) UW Ori	5^h47	+20 8											
a	γ7	922	964	964	9'48	818		3664	916	48,48,2,102		200	50
b	β9	~~922~~ 949	931	942	948	988		3809	952	21,10,6,36		73	18
c	δ2	1019	987	1044	1020	1002		4053	1013	26,31,7,11		75	18
d	δ2	1028	987	1029	1020	988		4024	1006	19,23,14,18		74	18
e	ε4	1049	1060	1063	1050	1009		4182	1046	14,17,4,37		72	18
f	ζ4	1252	1142	1120	1200:	1100		4562 or 1120	1140	2,20,60,40 22,0,20		122	33
												14	
												86	
												17	
(1) WW Gem	6^h3	+23 32											
a	β5	918	904	914	920	932		3670	942	38,28,22,10		98	24
b	γ2	956	945	920	942	979		3786	946	1,26,4,33		64	14
c	γ4	956	954	926	964	1020		3864	966	12,40,2,54		108	27
d	γ5	964	957	942	978	968		345	961	4,19,17,7		47	12
e	δ2	974	987	964	980	1000		331	983	4,19,3,17		43	11
f	δ4	1019	998	982	1021	1009		417	1006	8,24,15,3		50	13
g	ε6	1088	1073	1020	1090	1056		239	1060	13,40,30,4		87	22
h	ε46	1098	1073	1080	1075	..		228	1076	3,4,1		?	03
k	ε7	1119	1080	1120	1090	..		290	1097	17,23,7		47	16
l	ε9	1135	1094	1101	1127	1149		471	1118	24,17,9,21		71	18
m	η	1179	1217	1197	1197	..		311	1204	13,7,7		27	09
n	η	1232	1217	1232	1232	..		81	1227	10,5,5			07
												105	
												11	
(1) SS Gem	5^h50	+22 38											
a	β4	872	896	877	904	904		381	895	1,18,9,9		27	07
b	γ1	934	942	915	952	~~988~~ 941		150	938	4,23,14,3		44	11
c	γ6	966	961	942	944	~~1029~~ 988		235	959	2,17,15,29		63	16
d	δ0	960	977	960	968	~~941~~ 988		293	973	4,13,5,15		37	09
e	δ7	1010	1018	982	1025	~~988~~ 1024		~~342~~ 449	~~1086~~ 1012	6,30,13,12		61	15
f	ε1	1027	1041	1007	1044	1029		121	1030	11,23,14,1		49	12
g	ε8	1070	1087	1062	1048	1080		277	1069	18,7,11,11		47	12
m	ζ2	1121	1120	1070	1127	1094		11	1103	17,33,24,7		81	20
n	ζ9	1151	1201	1130	1170			201	1167	34,37,3		74	25
o	η1	1219	1230	1130	1238			298	1199	31,69,39		139	35
												82	12

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① RZ Gem	5 53 52	+22	13.7	2963	524	613						
a	α7	826	826	824	824	800 ?	74	818	8,6,6,18	38	10
b	γ7	960	964	942	944	844	150	omit			
c	γ9	966	972	960	956	960	248	962	10,2,6,2	20	5
d	δ0	981	977	1021	981	941	320	980	3,41,1,39	84	21
e	δ6	1011	1010	1037	1022	1014	83	1021	11,16,1,7	35	9
f	ε5	1041	1066	1044	1048	1032	190	1048	18,4,0,16	38	10

55
11

RH 2963 6^h +15°

① UW Ori 5^h47 +20 8

a	γ4	964
b	β9	942
c	δ6	1044
d	δ4	1029
e	δ8	1063
f	ε4	1120

① WW Gem $6^h.3$ +23 32

a	β4	914
b	β5	920
c	β6	926
d	β9	942
e	γ4	964
f	~~γ7~~	982
g	δ3	1020
h	ε0	1080
k	ε4	1120
l	ε2	1101
m	ζ1	1197
n	ζ4	1232

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③ SS gem		$5^h\,50$	$+22\ 38$
a	$\alpha 9$	877	
b	$\beta 4$	915	
c	$\beta 9$	942	
d	$\gamma 3$	960	
e	$\gamma 7$	982	
f	$\delta 1$	1007	
g	$\delta 8$	1062	
m	$\delta 9$	1070	
n	$\varepsilon 5$	1130	
o	$\varepsilon 5$	1130	
① R2 gem		5 54	+22 14
a	$\alpha 3$	874	
b	$\beta 9$	942	
c	$\gamma 3$	960	
d	$\delta 3$	1021	
e	$\delta 5$	1037	
f	$\delta 6$	1044	

RH 524 6^h +30

② RT aur	6 19	+30 35			Mean	Res
a	too br	462	..	456	456	..
b	a3	485	494	508	501	7
c	a8	548	540	590	565	25
d	b3	553	567	552 ~~616~~	560	8
e	b9	604	600	574	587	13
f	c4	623	625	616	620	4
g	c7	646	640	650	645	5
h	e7	725	725	946	736	10
k	g2	800	800	796	798	2

+9

07

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(2)

Sll gem	6 4 53	+27	44.2		Mean		
a	ω9	947	945		945	..	
✓ b	α5	966	971	990	980	10	
c	β0	999	1002	976	988	12	
✓ d	α9	1005	997	995	996	1	
e	~~β7~~ β4	1043	1034	1011	1022	12	
f	— no	—					
✓ g	β9	1068	1071	1087	1079	8	
h	γ4	1101	1120		1120	..	
k	no					43	
						08	
(2) W Y Tau	5 47	+26 17					
a	γ3	1114	1110	1121	1116	6	
b	γ8	1165	1164	1196	1185	11	
d	δ1	1211	1218	1228	1223	5	
e	δ3	1252	1236	1218	1227	10	
f	ε0	1304	1314	1311 ~~1039~~	1312	2	
C	~~β~~6	1170	1050!	1039	1044	6	
A				1095	1095	..	
(2) WW gem	6 3	+23 32	Der. Mag.				
a	f7	918	920			41	
b	g1	956	942			07	
c	g6	956	964				
d	g9	964	978				
e	α0	974	980				
f	α7	1019	1021				
g	β7	1088	1090				
h	β5	1098	1075				
k	β7	1119	1090				
l	γ2	1135	1127				
m	γ9	1179	1197				
n	δ2	1232	1232				

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(1) UW Ori 5 47 16 +20 8.5
edge of Plate

a	d9	949	918	
b	e4	922	948	
c	f9	1019	1020	
d	f9	1028	1020	
e	g8	1049	1050	
f	82	- -	1200:	

(1) RZ Gem 5 53 52 +22 13.7

a	d8	826	824
b	f0	960	944
c	f2	966	956
d	f6	981	981
e	g4	1011	1022
f	h2	1041	1048

(1) SS Gem 5 59 49 +22 37.9

a	e5	872	904
b	f1	934	952
c	f0	966	944
d	f4	960	968
e	g5	1010	1025
f	h0	1027	1044
g	α3	1070	1048
m	β6	1121	1127
n	81	1151	1170
o	87	1219	1238

RH 613 6h + 30

(1) RZ Gem 5 53 52 +22 13.7

a	e4	826	800
b	f0	960	844
c	g3	966	960

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RH 613
RZ Gem

	d	g1	981	941
	e	g9	1011	1014
(1)	f	α3	1041	1032

UW Ori 5 47 16 +20 8.5

edge of plate	a	e7	949	818
	b	g6	922	988
	c	g8	1019	1002
	d	g6	1028	988
	e	α0	1049	1009
(2)	f	β2		1100

WY Tau 5 47 24 +26 16.9

	a	γ3	1114	1121
	b	δ1	1165	1196
	d	δ4	1211	1228
	e	δ3	1252	1218
a =	A	β9		1095
	c	β1	1170	1039
	f	ε1	1304	1311

(1) WW Gem 6 3 19 +23 32.0

	a	g0	918	932
	b	g5	956	979
	c	h0	956	1020
	d	w4	964	968
	e	w9	974	1000
	f	α0	1019	1009
	h	γ2	1098	(1152)
	m	δ1	1179	(1200)
	g	α6	1088	1056
	l	β9	1135	1149
	n	γ6	1232	{1176
	k	γ2	1119	1154}

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(1) U Gem 6 4 5 3 +27 44.2

alpha

b	δ4	966	990
c	δ2	999	976
d	δ5	1005	995
e	δ7	1043	1011
f	δ7	--	
g	β8	1068	1087

(2) RT Aur 6 19 15 +30 34.7

a	a2	462	456
b	a8	485	508
c	b9	548	590
f	c3	623	616
g	c9	646	650
e	b7	604	574
d	b4	553	552
h	e5	725	746
k	f2	800	796

(1) SS Gem 5 59 49 +22 37.9

a	f7	872	904
c	g6	966	988
f	h1	1027	1029
b	g1	934	941
d	g6	960	988
e	α2	1010	1024
g	α9	1070	1080
m	β0	1121	1094
n	γ2	1151	( )
o	γ2	1219	( )

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RH2823

SV Per	H	39	36	+42	1.7
a	g7	Hag 995			
b	g8	1004			
c	β3	1064			
d	β2	1058			
e	γ4	1152			
f	γ8	1182			
g	δ5	1240			
h	ε2	1290			
k	ε8	1338			
l	ζ1	1360			
RX Aur	H	51	22	+39	44.3
a	d8	724			
b	e0	740			
c	e6	789			
d	e9	820			
e	e6	789			
f	f2	848			
g	f8	904			
h	g1	935			
k	g7	995			
l	g9	1019			
SY Aur	5	2	19	+42	38.9
a	f1	840			
b	f6	884			
c	h0	1030			
d	h4	1070			
e	ω9	959			
f	ω5	930			
g	ω7	943			

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YZ Aur. 5 5 20 + 39 58.9

a	g 8		1004
b	ω 5		930
c	ω 7		943
d	α 0		966
e	α 1		972
f	α 9		1031
g	β 3		1064
h	β 6		1088
k	β 7		1098
l	γ 3		1145
m	γ 4		1152
n	γ 2	1172	1138
o	γ 9	1204	1190
p	δ 4	1214	1228

UX Aur 5 4 51 + 49 22.4

a	β 3	defect on chart	
b	ω 9	959	
c	β 0	1040	
d	— ?	defect on chart	
e	γ 4	1151	
f	γ 7	1176	
g	δ 3	1221	
h	δ 7	1252	
k	δ 9	1268	

Y Aur 5 18 19 +42 18.6

a	ω 8	953	952
b	α 0	973	966
c	α 0	979	966
d	α 5	994	1002
e	α 9	1016	1032

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χ Aur

f	β 0	1049	1041
g	β 3	1058	1064
h	β 8	1104	1104
k	β 9	1132	1114
l	δ 1	1175	1209
m	δ 0	1211	1200

RH 165

SV Per 4 39 36 +42 1.7

a	ω 7	900	
b	ω 9	920	
c	β 4	1058	
d	β 5	1069	
e	γ 3	1130	
f	δ 4	1216	
g	δ 9	1255	
h	ε 4		
k	ε 7		
l	ε 9		

RX Aur 4 51 22 +39 44.3

a	e 5	722	720
b	e 7	737	743
c	f 1	787	790
d	e 9	809	766
e	f 4	822	821
f	g 1	824	890
g	g 4	913	919
h	g 6	952	938
k	g 9	968	968
l	α 1	1024	939

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SY Aur.

a	g6	940	
b	g9	968	
c	ω8	909	
d	α2	948	
e	α8	1002	
f	α4	966	
g	α6	985	

YZ Aur 5 5 20 +39 53.9

a	ω6	891	
b	ω7	901	
c	α0	930	
d	α4	967	
e	α7	994	
f	α7	994	
g	β6	1076	
h	β9	1099	
k	β4	1058	
l	γ2	1122	
m	β9	1099	
n	β8	1172	1081
o	γ9	1204	1179
p	δ4	1244	1219

UX Aur a defect on chart

b	α4	968	
c	β9	1099	
d	defect		
e	γ8	1170	
f	δ1	1195	
g	δ3	1210	
h	δ7	1240	

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UX Aur

k	δ	9	1260	

Y Aur

a	α	3	953	959
b	α	4	973	968
c	α	6	979	986
d	α	3	994	959
e	β	1	1016	1030
f	β	3	1049	1049
g	β	1	1058	1030
h	β	9	1104	1099
k	γ	4	1132	1138
l	δ	2	1175	1202
m	δ	1	1211	1195

RH 600

SV Per

a	e	4	904	
b	e	9	940	
c	g	9	1078	
d	α	0	1130	
e	α	7	1149	
f	β	8	1186	
g	γ	2	1200	
h	δ	3	..	
k	δ	5	..	
l	δ	7	..	

RX Aur

a	c	0	722	720
b	c	1	737	740
c	c	5	787	783
d	d	0	809	814

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a 722
b 737
c 787
d 809

RX Aur

e	d 6	822	851
f	e 6	874	919
g	e 8	913	932
d	g 4	952	1040
k	e 9	968	938
l	f 9	1024	1004

SY Aur 5 2 19 +42 38.9

a	d 9	872
b	e 8	932
c	e 9	939
d	f 1	953
e	f 9	1004
f	f 4	972
g	f 6	984

YZ Aur

a	f 6	984	
b	f 7	991	
c	f 0	946	
d	g 0	1010	
e	f 4	972	
f	g 1	1019	
g	g 9	1079	
h	h 1	1094	
k	w 9	1120	
l	α 6	1145	
m	β 0		1158
n	α 5	1172	1142
o	γ 4	1204	1204
p	γ 6	1214	1212

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1924phae.proj.1122P

UX Aur 5 4 51 +49 22.4

a			
b	ω 7	1110	
c	α 2	1130	
d	defect		
e	α 6	1145	
f	β 3	1170	
g	β 6	1180	
h	β 9	1189	
k	δ 2	1201	

Y Aur.

a	f 0	953	947
b	f 4	973	971
c	f 6	979	984
d	f 9	994	1004
e	g 4	1016	1041
f	g 3	1049	1032
g	g 6	1058	1054
h	h 2	1104	1103
k	α 4	1132	1139
l	β 2	1125	1165
m	β 0	1211	1159

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