

KG
11365
935

KG 11365, 938



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45	Ceraski's Nov.	RR Luminosum	(13, 1903)	071531	Scale Measures
6-35	" "	" "	" "	" "	Ext. of Brightness
36-55	Sutigan's "	R X Lyrae	(10, 1903)	185032	" " "
56, 57	Ceraski's	RR Lyr.	13, 1903	071531	" " "
58, 59	Sutigan's	R X Lyrae			Meas. of faint comp. stars
60-73	Ceraski's	RR Luminosum	(16, 1903)	071201	Ext. of Brightness
74	Anderson's	R X Pegasi	(19, 1902)	215924	Exam. of two plates
90	Sutigan's	R X Lyrae			Meas. of faint comp. stars
96-101/96	Ceraski's	L Delphinus	16, 1902	202817	Ext. of Brightness
102, 104	"	RR Luminosum	14, 1903	125530	" " "
105	"	RR Luminosum			" " "
105-107	"	L Cephei	15, 1903	021251	" " "
108	Sutigan's	R X Lyrae			Meas. of faint comp. stars
109	Ceraski's	L Delphinus			Ext. of Brightness

November 2, 1903

Measures of Magnitudes of Companion Stars
for "13,1903" Ceresoid $\mu^h 4^m 1 + 31^{\circ} 4' (1900)$

Plate I 954

Var	8.5 8.7
a	6.5
b	6.7
c	6.9
d	7.5
e	7.7
f	7.9
g	8.1
h	8.2
i	8.6
k	8.7
l	8.8
m	9.0
n	9.1
nx	9.6

I 14322

Var	8.5
a	6.3 6.5
b	6.6 6.8
c	7.0 7.1
d	7.7
e	7.9
f	8.1
g	8.1
h	8.4
k	8.4
l	8.7
m	8.7
n	8.9
nx	9.1



November 2, 1903

"13,1903" Ceresoid ant

Plate I 16994

Var	7.7
a	5.9 6.3
b	6.2 6.6
c	6.6 6.9
d	7.3
e	7.5
f	7.9
g	8.0
h	8.4
k	8.5
l	8.8
m	9.0
n	9.5

Plate I 5738

Var	8.5
a	6.2
b	6.6
c	6.9
d	7.4
e	7.7
f	8.0
g	8.1
h	8.5
k	8.6
l	8.8
m	9.0
n	9.1
nx	9.6

November 3, 1903

Estimate of brightness of Nov. 13, 1903: Cerashi
7^h 15^m +31° 4' (1900)↓
Plate I 3065, taken Feb. 13, 1891
10.51 h 2 v 10.71 10.49 10.60 11 11
10.49 v 1 k 10.59↓
I 222, Dec. 3, 1889
10.13 g 4 v 10.53 10.51 10.61 10.55 10.5 10.5 10.6
10.51 v 1 k 10.51
10.71 v 2 k 10.51Data h and k are too nearly of the same mag-
nitude to be used in the same comparison. h is
more prominent for use on the I plates, but there
is a bright star too near for it to be used
on the plates.↓
I 24909, March 21, 1900
10.13 g 2 v 10.33 10.31 10.32 10.1
10.31 v 2 k 10.51↓
Edge of plate I 20402, March 3, 1898
9.73 2 v 9.83 9.75 9.79 10.04
9.75 v 3 f 10.05↓
Edge of plate I 13921, Nov. 22, 1895
9.73 2 4 v 10.13 9.95 10.04 10.09 10.09
9.90 v 1 f 10.05↓
I 10329, Dec. 27, 1893
10.58 2 2 v 10.79 10.71 10.76 10.04 10.04 10.00 10.00
10.71 v 1 k 10.81

November 3, 1903

"13, 1903" Cerashi Cont.

↓
Plate I 24165, Dec. 2, 1899
10.13 g 4 v 10.53 10.51 10.57 10.52 10.1 10.1
10.51 v 2 k 10.51
10.51 v 3 k 10.81↓
I 8010, Feb. 4, 1893
10.51 h 1 v 10.61 10.51 10.56 10.5 10.5
10.51 v 3 k 10.81↓
I 14822, April 8, 1896
10.51 h 1 v 10.61 10.51 10.56 10.5 10.5
10.51 v 3 k 10.81↓
I 16994, Jan. 6, 1897
9.73 2 v 9.93 9.95 9.94 10.1
9.95 v 1 f 10.05↓
I 24221, Dec. 12, 1899
10.13 g 4 v 10.53 10.41 10.47 10.06 10.06
10.41 v 1 k 10.51↓
I 12095, Dec. 17, 1894
9.73 2 2 v 9.93 9.75 9.84 10.09 10.09
9.75 v 3 f 10.05↓
I 8056, Feb. 15, 1893
9.73 2 4 v 10.13 10.05 10.10 10.07 10.06 10.06
v of 10.05
9.103 v 1 g 10.13

November 3, 1903

13,1903" Arachni Cont.

↓
Plate I 5647, Feb. 15, 1892

1013 9 2v 10.33 10.31 - 10.32 01 01

10.31 v 2h 10.51

↓
I 5739, Feb. 17, 1892

1013 9 4v 10.53 10.51 10.51 - 10.52 01 01

10h 10.51

10.51 v 3h 10.51

↓
I 5806, March 6, 1892

1013 9 2v 10.33 10.31 10.32 01 01

10.31 v 2h 10.51

↓
I 5498, Feb. 1, 1892

10.81 L 1v 10.91

m.m.s.

↓
I 5053, Dec. 10, 1891

973 L 3v 10.23 9.95 - 9.99 04 04

↓
9.95 v 1f 10.05

I 3149, Feb. 22, 1891

899 C 6v 9.58 9.48 9.43 - 9.50 08 02 07

8.58 v 0.2 9.48

8.58 v 3L 9.73

↓
I 894, March 24, 1890

9.48 d 1v 9.58 9.43 - 9.50 08 07

↓
9.43 v 3L 9.70

I 10454, March 6, 1894

Reg. not on plate

↓
I 10634 - I 10634

Reg. not on plate

November 3, 1903

13,1903" Arachni Cont.

↓
Plate I 10469, Jan. 19, 1894

To form

↓
I 5052, Dec. 10, 1891

1013 9 2v 10.33 10.31 - 10.32 01 01

10.21 v 3h 10.51

I 1034³⁴₂₈, Dec. 29, 1893

Reg. not on plate. Crossed off on plate itself.

↓
I 10218, Dec. 19, 1893

1013 9 2v 10.33 10.21 - 10.27 06 06

10.21 v 3h 10.51

↓
I 8166, March 2, 1893

Near edge

10.81 L 1v 10.91 10.76 - 10.84 07 05

10.76 v 3m 10.06

Diameter very poor. Impersona incertum

Near edge

Diameter poor

↓
I 8152, Feb. 28, 1893

1013 9 2v 10.33 10.31 - 10.32 01 01

10.31 v 2h 10.51

Edge of plate

↓
I 17621, March 16, 1897

10.51 L 1v 10.61 10.51 - 10.56 05 05

10.51 v 3h 10.81

Edge of plate

Diameter very poor

↓
I 17496, March 10, 1897

10.51 L 1v 10.61 10.51 - 10.56 05 05

10.51 v 3h 10.81

November 3, 1903

73,1903 - Cracks Cont.

↓
 Extreme edge
 of plate
 I 17105, Jan. 17, 1897
 1013 g 2 v 1033 1031 1033 01 01
 1031 v 2 h 1037

↓
 I 14724, March 31, 1896
 1051 h 1 v 1061 1051 - 10.66 05 05
 1051 v 3 h 1051

↓
 I 14631, March 10, 1896
 From plate - too poor

↓
 I 14536, Feb. 25, 1896
 Nucleus

↓
 Edge of plate
 I 14233, Jan. 3, 1896
 1057 h 2 v 1071 1071 - 10.74 00 00
 1071 v 1 h 1081

↓
 I 12219, Jan. 17, 1895
 Question plate - too faint in reg. of N

↓
 I 24681, March 3, 1900
 Var. of plate

↓
 A C 2044, Dec. 4, 1901
 1013 g 3 v 1043 1049 10.46 - 03 03
 1049 v 1 h 1059

See remark page 6

November 3, 1903

73,1903 - Cracks Cont.

↓
 A C 2114, Dec. 27, 1901
 1013 g 1 v 102

↓
 A C 2004, Nov. 22, 1901
 1059 h 2 v 1079 1071 - 10.75 04 04
 1071 v 1 h 1081

Images very poor & faint - Estimate uncertain

↓
 A C 1905, Oct. 25, 1901
 1013 g 1 v 1023 1019 - 10.21 03 03
 1019 v 4 h 1059

↓
 A C 1846, Oct. 7, 1901
 1059 h 2 v 1079 1071 - 10.75 04 04
 1071 v 1 h 1081

↓
 A C 1424, April 25, 1901
 too poor

↓
 A C 1427, May 3, 1901
 too poor

↓
 A C 1432, May 3, 1901
 938 c 6 v 958 948 943 - 9.50 08 02 07
 v 0 d 948

↓
 943 v 3 h 973
 A C 1501, Sept. 27, 1901
 1013 g 2 v 103

November 3, 1903

"13,1903" Ceratki Cont.

↓ AC 1259, Feb. 18, 1901
 948 d 3 v 978 963.970 08 07
 963 v 12 973

↓ AC 1320, March 6, 1901
 1059 K 1 v 1069
 Lons.

↓ AC 1331, March 14, 1901
 1013 941 1053 1059.1056 03 03
 10 K 1059
 Lons.

↓ AC 1201, Feb. 2, 1902
 Tropon

Edman's edge ↓ AC 518, Nov. 12, 1899
 1059 K 1 v 106

Edman's edge ↓ AC 254, March 21, 1899
 948 d 1 v 95

Eggs of plants
 Images from
 Ed. Maccastran ↓ AC 165, Jan. 19, 1899
 1059 K 1 v 1069 1081.1060 09 09
 1051 v 12 1081

↓ AC 122, Dec. 15, 1898
 973 2 1 v 983 975.979 04 04
 975 v 3 1055

November 3, 1903

"13,1903" Ceratki Cont.

↓ AC 3164, Jan. 12, 1903
 Tropon

↓ AC 3200, Jan. 21, 1903
 1059 K 2 v 1079 1061.1070 09 09
 1061 v 2 1081

↓ AC 3201, Jan. 21, 1903
 948 d 3 v 978 963.970 08 07
 963 v 12 973

↓ AC 3206, Jan. 22, 1903
 1013 911 1023

Images of K too indistinct for comparison

↓ AC 3244, Feb. 24, 1903
 1059 K 3 v 1089 1071.1080 09 09
 1071 v 12 1081
 Images faint and poor

↓ AC 3302, Feb. 14, 1903
 1059 K 1 v 106

↓ AC 3323, Feb. 19, 1903
 948 d 3 v 978 963.970 08 07
 963 v 12 973

↓ Images elongated and poor

AC 3363, Feb. 26, 1903
 1059 K 1 v 1069 1061.1065 04 04
 1061 v 2 1081

November 3, 1903

13, 1903⁺ Casapii. Cont.

Near edge ↓ AC 3226, Jan. 30, 1903
 1059 K 2V 1079 1071 1075 04 04
 1071 V 1L 1081

Near edge ↓ AC 3242, Feb. 3, 1903
 898 C 3 K 9.2

Near edge ↓ AC 3328, Feb. 20, 1903
 Images very faint and poor
 1059 K 1V 1069 1071 1070 01 01
 1071 V 1L 1081

↓ AC 3369, Feb. 28, 1903
 1013 91 K 10.2

Images from AC 3130, Dec. 31, 1902
 1013 91 V 10.23 1039 1031 08 08
 1039 12 K 10.59

Near edge ↓ AC 3202, Jan. 21, 1903
 Images much out of focus. V not separated from L

Near edge ↓ AC 3233, Jan. 31, 1903
 Focus too poor

Near edge ↓ AC 3236, Feb. 12, 1903
 Focus too poor

Focus poor. Edg. of plate ↓ AC 3328, Feb. 22, 1903
 1081 L 1V 10.91
 m n.s.

November 3, 1903

13, 1903⁺ Casapii. Cont.

Near edge ↓ AC 3324, Feb. 19, 1903
 1081 L 1V 10.91
 m n.s.

Near edge ↓ AC 3371, Feb. 28, 1903
 1013 91 K 10.2

Near edge ↓ AC 3071, Dec. 9, 1902
 Images clear
 973 L 2V 9.93 985 989 04 04
 985 V 2f 10.05

↓ AC 275, April 10, 1899
 1059 K 1V 10.6

Near edge ↓ AC 489, Oct. 21, 1899
 1013 9 2V 2 10.35
 K n.s.

Identification of V not absolutely certain.
 The extremely faint object measured
 may be a defect on film, though the
 position is that of the variable

Near edge ↓ AC 575, Dec. 12, 1899
 973 L 3V 2 10.03
 f n.s.

Same remarks as above

November 3, 1903

"13,1903" Cassiopei dent.

sun edge ↓ AC 1051, Dec. 13, 1900
 973 L 11 983 965-974 09 09
 965 V 4 f 1005

near edge ↓ AC 1133, Jan. 29, 1901
 Images very 1039 L 3 V 1089 1071-1080 09 09
 faint and poor 1071 V 1 L 1081

near edge ↓ AC 590, Dec. 13, 1899
 focus too poor

near edge ↓ AC 634, Dec. 29, 1899
 Images poor 1059 L 1 V 1069
 bms.

↓ AC 1379, Feb. 22, 1901
 too poor in exp. of Van

↓ AC 2253, Jan. 27, 1902
 1059 K 2 V 1079 1071-1075 04 04
 1071 V 1 L 1081

↓ AC 2294, Feb. 7, 1902
 973 L 1 V 983 975-979 04 04
 975 V 3 f 1005

↓ AC 2337, Feb. 15, 1902
 1013 9 3 V 1043 1049-1046 03 03
 1049 V 1 K 1059

November 3, 1903

"13,1903" Cassiopei dent.

Images elongated
 not expanded
 from L ↓ AC 2365, Feb. 27, 1902
 1013 9 3 V 1043 1049-1046 03 03
 1049 V 1 K 1059

↓ AC 2386, March 4, 1902
 948 L 2 V 968 963-966 03 03
 963 V 1 L 973

↓ AC 2436, March 26, 1902
 1013 9 1 V 1023 1029-1026 03 03

↓ AC 2886, Oct. 9, 1902
 1029 V 3 K 1039
 1059 K 1 V 1069 1061-1065 04 04
 1061 V 1 L 1081

↓ AC 3011, Nov. 22, 1902
 1013 9 3 V 1043 1049-1046 03 03
 1049 V 1 K 1059

↓ AC 3096, Dec. 23, 1902
 1013 9 2 V 1033 1039-1036 03 03
 1039 V 2 K 1059

↓ AC 2166, Jan. 5, 1902
 975 L 3 V 1005 995-999 04 04
 995 V 1 f 1005

↓ AC 1346, March 17, 1901
 1051 K 1 V 1061
 L Kms.

↓ AC 86, Oct. 30, 1895
 948 L 2 N 96

November 3, 1903

'13, 1903' Cont

↓ AC 2793, Oct. 10, 1892

10.3 9.1 v 10.23 10.29 10.26 03 03

10.29 v 3 k 10.59

↓ AC 113, Dec. 8, 1898

Tracks - too poor

↓ AC 114, Dec. 8, 1898

Tracks and poor from - too poor

↓ AC 200, Feb. 14, 1899

10.59 k 2 v 10.79 10.81 10.76 10.79 00 02 03

v 0 k 10.81

↓ 10.76 v 3 m 11.06

↓ AC 257, March 24, 1899

9.48 d 2 v 9.68 9.63 9.60 08 07

9.53 v 2 k 9.73

↓ AC 449, Sept. 17, 1899

Too poor in ref. of Var.

↓ AC 515, Nov. 10, 1899

9.58 d 1 v 9.58 9.53 9.56 02 05

9.53 v 2 k 9.73

↓ AC 606, Dec. 16, 1899

Tracks - too poor

↓ AC 607, Dec. 16, 1899

Tracks - too poor

v not separ-
ated from b

November 3, 1903

'13, 1903' Cont.

↓ AC 519, Nov. 12, 1899

9.73 k 1 v 9.83 9.65 9.74 09 09

9.65 v 4 k 10.05

↓ AC 614, Dec. 20, 1899

Tracks - too poor

↓ AC 687, Jan. 22, 1900

10.59 k 2 v 10.79 10.71 10.75 04 04

10.71 v 1 k 10.81

↓ AC 1083, Dec. 22, 1900

9.48 d 2 v 9.68 9.63 9.66 02 03

9.63 v 1 k 9.73

↓ AC 1103, Dec. 28, 1900

10.13 9.3 v 10.43 10.49 10.46 03 03

10.49 v 1 k 10.59

↓ AC 1145, Jan. 13, 1901

Too poor

↓ AC 1146, Jan. 13, 1901

Tracks - too poor

↓ I 20475 March 11, 1895 Spectrum plate

10.59 k 1 v 10.6

↓ I 20435, March 9, 1898

10.51 k 1 v 10.61 10.57 10.56 05 06

10.51 v 3 k 10.81

↓ I 20354, March 5, 1898

10.51 k 1 v 10.61 10.61 10.61 00 00

10.61 v 2 k 10.81

November 3, 1903

"13, 1903" continued

↓ I 20702, April 18, 1898

973 L V 983 975-979 0404

975 V 3f 1005

I 20318, March 3, 1898

Reg. out on plate

↓ I 20353, March 5, 1898

1013 94V 1053 1051 1061-1055 02 04 06

V 0h 1051

1061 V 2h 1081

↓ I 21674, Nov. 11, 1898 Spectrum plate

1081 L 2h 110

↓ I 26207, Dec. 29, 1900

973 L 3V 1003 995-999 0404

995 V 1f 1005

↓ I 26785, March 12, 1901

1013 93L 1043 1041-1042 01 01

1041 V 1h 1051

↓ I 28064, Dec. 10, 1901

948 L 3V 978 975 985-979 01 06 06

V 02 973

985 V 2L 1005

I 28095, Dec. 20, 1901

don't see edge

Edge plate
Smaller piece

November 3, 1903

"13, 1903" continued

↓ I 28478, Feb. 12, 1902

1013 92V 1033 1041-1037 0404

1041 V 1h 1051

min edge A C 3409, March 14, 1903

948 L 1V 96

↓ A C 3398, March 6, 1903

973 L 5V 1023, 1013, 1029-1022 01 09 07

V 09 1013

1029 L 3K 1039

Focus of V very sharp. Comparison almost impossible

↓ I 28562, March 6, 1902

Spectrum plate - Spectrum of L too wide
to allow V or L to be seen

↓ I 28568, March 10, 1902 Drythronin

Focus plate - Nothing in reg. of V or L

↓ I 28613, March 31, 1902 Spectrum plate

Spectrum of L too wide

I 29037, Dec. 7, 1902

Don't see reg.

↓ I 29797, Jan. 1, 1903

1051 L 1V 1061 1061 00 00

1061 V 2K 1031

Edgewise
Class L

Mountain on

plate V or L both are being partly covered by L

November 3, 1903

"13, 1903" Continued

Plate I 30078, Feb. 23, 1903
exp. not on plate

Plate I 30054, March 29, 1903 exp. not on plate

I 27604, Sept. 26, 1901

975 d & 3 v 10.53 995-999 04 04
995 v 1 f 10.55

I 27611, Sept. 26, 1901

10.3 g 4 v 10.53 10.54 10.61 10.58 10.54 04
v 0.4 10.57

10.61 v 2 l 10.81

I 27884, Oct. 29, 1901 exp. not on plate

I 21823, Nov. 30, 1898

10.76 v 1 v 10.61 10.81 10.76 10.73 12 08 03
v 0.4 10.81

I 10.76 v 3 m 11.06

I 32073, Dec. 23, 1898

10.13 g 4 v 10.53 10.57 10.61 10.55 02 04 06
v 0.4 10.57

I 10.61 v 2 l 10.81

I 22027, Dec. 24, 1898

973 d 1 v 9.83 9.85 9.84 01 01

9.85 v 2 f 10.05

I 22080, Dec. 28, 1898

The moon - visible in exp. of Jan.

Extreme
edge of plate

November 3, 1903

"13, 1903" Continued

Min. edge
of plate

I 22,263, Jan. 27, 1899
10.13 g 3 v 10.43 10.41 10.42 01 01
10.41 v 1 l 10.51

I 22404, Feb. 29, 1899

Max. edge
of plate

948 d 1 v 10.58 9.53 9.56 02 03
9.53 v 2 l 9.73

I 24025, Nov. 10, 1899 Spectrum plate
10.81 l 2 v 11.0

I 24029, Nov. 12, 1899 exp. not on plate

Extreme
edge of plate
Image very
faint

I 24033, Nov. 12, 1899

948 d 2 v 12.68 9.73 9.75 9.78 04 01 03
v 0.4 9.73
9.75 v 3 f 10.05

I 26073, Nov. 12, 1900

948 d 2 v 9.68 9.63 9.66 02 03
9.63 v 1 l 9.73

I 26116, Nov. 16, 1900 Spectrum
Spectrum of V not separated from d

I 24051, Nov. 13, 1899

Spectrum not separated from d

November 3, 1903

'13, 1903' continued

Plate AC 3223, Feb. 12, 1903
Reg not on plate

↓ AC 3458, March 29, 1903
1005 f 1 K 10.1

↓ AC 3459, March 29, 1903
Too poor

↓ AC 3456, March 29, 1903
1013 91 V 10.33 10.49-10.56 13 13
10.49 V 1 K 10.59

↓ AC 3422, March 13, 1903
973 22 V 9.83 9.95-9.94 21 21
9.95 V 1 f 10.05

Very uncertain images on the edge of invisibility

↓ AC 3428, March 14, 1903

↓ 973 22 V 9.7
AC 2995, Nov. 14, 1902
Too poor

Near edge
from focus ↓ AC 3427, March 14, 1903
1013 91 K 10.2

Near edge
from focus ↓ AC 3421, March 13, 1903
973 22 K 9.9

Near edge
from focus ↓ AC 3432, March 15, 1903
Too poor

November 3, 1903

'13, 1903' continued

↓ Near edge AC 3414, March 12, 1903
from focus 9.48 d 2 V 9.6

↓ Near edge AC 1357, March 19, 1901
1059 K 2 V 10.7

AC 2951, Nov. 7, 1902 Near off edge

↓ AC 1442, May 6, 1901
Too poor

↓ AC 1745, Sept. 15, 1901
Too poor

↓ edge of
plate AC 1596, Oct. 21, 1901
Too poor in edge of focus

↓ edge of
plate from focus AC 1938, Nov. 1, 1901
9.48 d 2 V 9.68 9.63-9.66 22 22
9.63 V 1 2 9.73

↓ edge of
plate AC 2079, Dec. 15, 1901
Not separate from b

↓ AC 2079, Dec. 19, 1901
Trails

↓ edge of
plate AC 2179, Jan. 12, 1902
1059 K 2 V 10.79 10.81-10.85 21 21
10.81 K 2 10.81

November 3, 1903

"13, 1903" Oroschi Ant.

↓

AC 2213, Jan. 19, 1902

mit separated from t

↓

AC 2252, Jan. 27, 1902

10.59 K 2 V 10.79 10.71 - 10.75 04 04
10.71 11 L 10.81

↓

AC 2263, Feb. 3, 1902

mit separated from t

↓

AC 2224, Feb. 12, 1902

10.59 K 2 V 10.89 10.81 - 10.85 04 04
10.81
m.m.s.

↓

AC 2374, March 1, 1902

10.59 K 1 V 10.69 10.61 - 10.65 04 04
10.61 12 L 10.81

↓

AC 2434, March 26, 1902

9.75 L 2 V 9.95 9.75 = 9.84 09 09
9.75 13 f 10.05Edge of plate
Some faintEdge of plate
Extremely m
Outline - Some
in the upper 7
irregularityEdge of plate
Same remarks
as aboveEdge of plate
mit entirely
separated from t

November 4, 1903

"13, 1903" Oroschi Ant.

↓

Plate AC 1375, March 25, 1901

too poor

↓

AC 1227, Feb. 8, 1901

9.75 L 1 V 9.85 9.65 - 9.74 09 09
9.65 14 f 10.05

↓

AC 222, Feb. 24, 1899

9.48 d 2 V 9.6

↓

AC 1406, April 13, 1901

too faint

↓

AC 1263, Feb. 19, 1901

10.59 K 1 V 10.69 10.61 - 10.65 04 04
10.61 12 L 10.81

↓

AC 1428, May 1, 1901

9.75 L 3 V 10.05 9.95 - 9.99 04 04
9.95 11 f 10.05

↓

AC 1779, Sept 24, 1901

9.75 L 3 V 10.05 9.95 - 9.99 04 04
9.95 11 f 10.05

↓

AC 2323, Feb. 13, 1902

10.13 9.1 V 10.23 10.49 - 10.37 14 13
10.49 11 L 10.59Very faint
from faint
Ext. difficultSome
very faint

November 4, 1903

"13, 1903" Ceraski Ant

↓ AC 1839, Oct. 6, 1901
 1013 g 2v 1033 1049-1041 0808
 1049 v 1K 1059

↓ AC 2330, Feb. 14, 1902
 1059 K 1v 1069 1061-1065 0404
 1061 v 2L 1081

↓ AC 1902, Oct. 24, 1901
 898 01 N 20

↓ AC 1867, Oct. 15, 1901
 948 d 2v 968 963-966 0303
 963 v 1L 973

↓ AC 2373, March 1, 1902
 973 d 2v 993
 f.n.s.

↓ AC 1907, Oct. 25, 1901
 948 d 1v 958 963-960 1203
 963 v 1L 973

↓ AC 2027, Nov. 30, 1901
 1059 K 2v 1079 1071-1075 0404
 1071 v 1L 1081

↓ AC 2415, March 15, 1902
 1013 g 2v 1033 1049-1041 0808
 1049 v 1K 1059

November 4, 1903

"13, 1903" Ceraski Ant

↓ AC 2939, October 25, 1902
 948 d 3v 978 973 965-972 0601 07
 vL 0 L 973
 965 v d 4f 1005

↓ AC 2863, October 6, 1902
 970 d 2v 993 985-989 0404
 985 v 2f 1005

↓ AC 2450, April 17, 1902
 948 d 2N 96

↓ AC 2040, Dec 2, 1901
 898 C 3 N 92

↓ AC 2158, Jan. 3, 1902
 1013 g 2v 1033 1049-1041 0808
 1049 v 1K 1059

near up ↓ AC 2430, March 25, 1902
 1059 K 1N 106

Suspect the presence of the variable, but the focus is so poor I cannot certainly tell. It is probably fainter than K, if seen.

↓ AC 2509, Jan. 15, 1902
 1059 K 1N 106

Two faint objects on the film, do not quite coincide with pos. of variable

November 4, 1903

"13, 1903" Ceraski Cont.

↓ AC 2275, Feb. 5, 1902
 948 d 3v 978.973 965-972 0601 07
 v o l 973
 965 v 4 f 1005

↓ AC 2427, March 24, 1902
 978 C 2 N 91

↓ AC 3002, Nov. 19, 1902
 973 L N 98

↓ AC 2978, Nov. 9, 1902
 1013 g 2v 1033 1049-1041 0808
 1049 v 1 K 1009

↓ AC 2894, Oct. 10, 1902
 1005 f 1 K 101
 The number may possibly be present, but must
 be fainter than f

↓ AC 2456, April 18, 1902
 948 d 3v 978.973-976 0203
 v o l 973
 f no 100

↓ AC 3023, Nov. 27, 1902
 v not separ. 1013 g 1v 1020 1029-1026 03 03
 definitely 1029 v 3K 1059

November 4, 1903

"13, 1903" Ceraski Cont.

↓ AC 2468, April 14, 1902
 Special plate (Moon) not available

↓ AC 3053, Dec. 7, 1902
 973 L 2v 993 985-989 0404
 985 v 2 f 1005
 edge of plate
 may form E. K.
 doubtful

↓ AC 535, Nov. 16, 1899
 918 d 2 N 96

↓ AC 83, Oct. 24, 1898
 948 d 3v 978.973 965-972 0601 07
 v o l 973
 965 v 4 f 1005
 edge of plate
 may form
 and form

↓ AC 128, Dec. 16, 1898
 1059 K 2v 1079
 Lns.

↓ AC 571, Dec. 6, 1899
 1059 K 2v 1079
 Lns.

↓ AC 669, Jan. 5, 1900
 1081 L 1v 1091
 mns.

↓ AC 149, Dec. 23, 1898
 1013 g 1v 1023 1029-1031 0808
 1029 v 3K 1059
 edge of plate -
 may form E. K.
 doubtful

November 4, 1903

13, 1903 Cranki Cont.

Edge of plate
 Image poor
 ✓ AC 682, Jan. 21, 1890
 1013 g 1 v 1023 1049-1036 13 13
 1049 v 1 R 1059

✓ AC 1042, Oct. 24, 1900
 973 d 1 R 98

Edge of plate
 ✓ AC 187, Feb. 2, 1899
 Trails - too poor

Edge of plate
 ✓ AC 717, Feb. 17, 1900
 973 d 1 R 98

Edge of plate
 ✓ AC 1060, Dec. 16, 1900
 973 d 3 v 1003 985-994 09 09
 985 v 2 f 1005

✓ AC 199, Feb. 14, 1899
 Trails - not available

✓ AC 454, Sept. 22, 1899
 Too poor

Near edge
 of plate
 ✓ AC 1149, Jan. 16, 1901,
 1013 g 2 v 1035

Near edge of plate
 ✓ AC 1262, Feb. 19, 1901
 film defective in neg of R
 1059 K 1 v 1069 1061-1065 0404
 1061 v 2 L 1081

November 4, 1903

13, 1903 Cranki cont.

Edge of
 plate OK
 double-
 Image very poor front
 ✓ AC 339, March 10, 1899
 1013 g 1 v 1023 1039-1051 08 08
 1039 v 2 R 1059

✓ AC 528, Nov. 15, 1899
 Too poor

✓ AC 85 Oct. 28, 1898
 948 d 2 R 96

✓ AC 2450, April 2, 1902
 1059 K 1 v 1069 1076-1072 03 04
 1076 v 3 m 1106

✓ AC 1400, April 12, 1901
 Trails - not available

✓ I 954 April 5, 1890
 1051 K 2 v 1071 1061-1065 05-05
 1061 v 2 L 1081

✓ I 5862, March 13, 1892
 1051 K 2 v 1071 1061-1066 05-05
 1061 v 2 L 1081

✓ I 2145, Feb. 28, 1893 almost wrong
 I 9492, Oct. 25, 1893
 973 d 3 v 1003 980-994 07 02
 980 v 2 f 1005

November 4, 1898

"13,1903" Ceraski Cont.

↓

I 9998, Nov. 22, 1898

1013 g 4 v 10.53

Film imperfect in regions of h and k

I 20151, Dec. 10, 1898. segment on plate

I 20313, March 3, 1898

Too poor

↓

I 20314, March 3, 1898

Too poor

↓

I 20259, Feb. 24, 1898

Faint plate. too poor

↓

I 20043, Jan. 16, 1898

1013 g 2 v 10.33

K of edge. h not separated from star following
portion of r continuous with that of d

↓

I 26220, Dec. 11, 1900

1059 K 2 v 10.79, 1081, 1056, 10.72 07 09 16

v o l 10.81

↓

1056 v 5 m 1106

I 24943, March 24, 1900

1059 K 1 v 10.69 1071-1070 01 01

1071 v l 1081

Uncertain. Spectrum of r continuous with that of b

November 4, 1898

"13,1903" Ceraski Cont.

↓

I 27328, Aug. 16, 1901

973 L 2 v 9.95 985-989 04 04

985 v 2 f 1035

Images very poor - Elongated and irregular

and all
All measurements on AC plates are
probably given to a degree of uncertainty. The
variable is so near the bright comparison
stars b and d that estimates are made
with difficulty.

Continued page 56

November 5, 1903

Squid n. I 228 W

Seligman's Variable "10, 1903"

Estimate of brightness

Faintest in the 3p 1903

AC 1512, June 6, 1901
d 3 N3rd AC 280, April 12, 1899 Isochromatic
L 2 NAC 1022, Oct. 4, 1900
7.2 pmImage
from and
faint. Mass
mountain
AC 879, June 9, 1900
d 5 N
V 0.2
V 3.4AC 1494, June 3, 1901
d 3 NAC 821, April 15, 1900
d 1 NAC 2052, Dec. 5, 1901
K 1 NAC 312, April 25, 1899
K 1 NAC 2394, March 6, 1902
d 1 N

November 5, 1903

Seligman Var. 19, 1903 Cont

AC 2186 Jan. 13, 1902
h 2 NAC 1391, March 30, 1901
Dark - uselessAC 1257, Feb. 24, 1901
d 2 NAC 1013, Sept. 24, 1900
h 1 NDoubt the presence of the variable but cannot
certainly identify itAC 2877, March 2, 1902
DarkAC 344, June 6, 1899
d 1 NAC 921, July 13, 1900
d 1 NAC 2182, Jan. 13, 1902
too poorAC 870, May 31, 1900
Too faint

November 5, 1923

Luchign's Var. Cost.

AC 727, Feb. 19, 1900
L.H.AC 466, Oct. 4, 1899
too poorAC 542, April 30, 1900
L.H.AC 797, April 5, 1900
L.H.

AC 2170, too poor

AC 2069, Dec. 12, 1901
L.H.AC 2350, Feb. 19, 1902
too poorAC 2209, Jan. 17, 1902
L.H.AC 2341, Feb. 15, 1902
g.H.

It is nearly as bright as c on this plate. From sharp

AC 94, Nov. 1, 1898
L.H.AC 1536, June 13, 1901
L.H.

November 5, 1903

Luchign's Var. Cost

AC 1472, May 13, 1901
L.H.

AC 2198, too poor

AC 2326, too poor

AC 2438, March 26, 1902
too poorAC 1459, May 12, 1901
L.H.AC 2193
too poorAC 962, Aug. 16, 1900
too poorAC 2420, March 19, 1902
too poorAC 2192, Jan. 15, 1902
L.H.

L.H.

AC 328, May 24, 1899
L.H.AC 961, Aug. 15, 1900
too poorAC 253, March 20, 1899
L.H.

Norman 5, 1903

Seligin Var. cont

✓ AC 1437, May 3, 1901
too poor✓ AC 1453, May 8, 1901
g. l. K

h. brighten. same

d. 3 h

h. 1 c

✓ AC 415, Sept. 5, 1899
too faint✓ AC 1531, June 10, 1901
h. l. K 2Presence of x-rayed for. not right
h. normal✓ AC 1268, Feb. 19, 1901
h. l. K

d. 4 h 5 c

h. 1 c 2 f

2 f

✓ AC 2355, Feb. 20, 1902
h. l. K

h. 2 c

✓ AC 1746, March 10, 1900
h. l. K

h. 2 c

✓ AC 2061, Dec. 4, 1901
h. l. K

Norman 5, 1903

Seligin Var. cont

✓ AC 1532, June 12, 1901
Seligin plate✓ AC 501, Nov. 6, 1899
h. l. K

g. l. K

h. 2 f

✓ AC 2353, Feb. 20, 1902
d. 2 h✓ AC 2217, Jan. 19, 1902
Seligin in pos. of var.

h. normal

✓ AC 2354, Feb. 20, 1902
too faint✓ AC 768, March 16, 1900
too poor✓ AC 890, June 20, 1900
too poor✓ AC 943, July 3, 1900
too faint✓ AC 2356, Feb. 29, 1902
h. l. K✓ AC 1983, Nov. 20, 1901
h. l. K

h. normal

November 5, 1903

Deliquis' Var. 10, 1903 Cont.

✓ Plate AC 2316, Feb. 10, 1902

C 21

rid

Image very faint but clear

AC 1166, Aug. 14, 1901

✓ AC 2733, Aug. 9, 1902

d 211

✓ AC 2653, June 28, 1902

g 111

✓ AC 2635, June 19, 1902

d 111

✓ AC 3131, May 10, 1903

b 111

✓ AC 3646, May 11, 1903

d 111

✓ AC 3679, May 26, 1903

d 211

✓ AC 3739, June 30, 1903

d 111

✓ AC 3571, April 29, 1903

too faint

✓ AC 3594, May 6, 1903

too poor

November 5, 1903

Deliquis' Var. Cont.

✓ AC 3675, May 23, 1903

d 111

✓ AC 3730, June 23, 1903

d 111

✓ AC 3767, July 15, 1903

Too poor in exp.

✓ AC 3253, Feb. 6, 1903

Too poor

✓ AC 3353, Feb. 23, 1903

d 111

✓ AC 3557, April 27, 1903

g 111

✓ AC 3577, April 30, 1903

Too faint

✓ AC 3644, May 15, 1903

too faint

✓ AC 3657, May 20, 1903

too faint

✓ AC 3673, May 23, 1903

d 111

Image
clear

A. Bonnard

November 5, 1903

Suliquis Vanishes Cont.

AC 3696, May 28, 1903
K1NAC 3712, June 1, 1903
d3NAC 3335, Feb. 31, 1903
d3NAC 3384, March 1, 1903
c1NAC 3495, April 11, 1903
d2NAC 1660, Aug. 16, 1901
d2NAC 1655, Aug. 27, 1901
too poorAC 1717, Sept. 6, 1901
too near edge

AC 1723 too near edge

AC 1814 " " "

AC 1849 " " "

AC 133, Dec. 19, 1898
g1NAC 326, May 23, 1899
too poorAC 425, Sept. 13, 1899
too near edge

November 5, 1903

Suliquis Van. Cont.

AC 502, Nov. 4, 1899
K1N

AC 507 too poor

AC 861, May 21, 1900
d2NAC 715, July 9, 1900
d2NAC 1014, Sept. 35, 1900
d1NAC 2240, Jan. 24, 1902
d2NAC 2254, Jan. 27, 1902
too poorAC 2267, Feb. 3, 1902
L1NAC 2270, Feb. 4, 1902
K1Nc ut
on plateAC 2289, Feb. 6, 1902
K1N

November 5, 1903

Leilignia Var. cont.

- ✓ AC 2299, Feb. 7, 1902
too faint
- ✓ AC 2302, Feb. 8, 1902
too poor in reg.
- ✓ AC 2305, Feb. 9, 1902
h, N
- ✓ AC 3550, April 27, 1903
h, N
- ✓ AC 3613, May 10, 1903
too poor in reg.
- ✓ AC 1926, Oct. 30, 1901
too poor in reg.
- ✓ AC 1940, Nov. 2, 1901
h, N
- ✓ AC 2029, Dec. 1, 1901
h, N
- ✓ AC 2036 too poor
- ✓ AC 2041 " "
- ✓ AC 1645, Aug. 3, 1901
too faint
- ✓ AC 1701 too poor
- ✓ AC 1713, Sept. 5, 1901
too poor in reg.

November 5, 1903

Leilignia Var. cont.

- ✓ AC 1767, Sept. 22, 1901
Plants badly scratched in reg. of Rev.
- ✓ AC 1804, Sept. 30, 1901
h, N
- ✓ AC 2795, Oct. 12, 1902
too poor in reg.
- ✓ AC 2888, Oct. 10, 1902
h, N
- h, normal
- ✓ AC 3058, Dec. 8, 1902
Regret on plate
- ✓ AC 2400, July 11, 1902
too faint
- ✓ AC 2087, July 12, 1902
Dark - not available
- ✓ AC 2600, June 1, 1902
h, N
- h, normal
- ✓ AC 2555, May 15, 1902
too poor in reg.
- ✓ AC 2526, May 5, 1902
h, N

November 5, 1903

Seeliger's Var. Cont

AC 2440, March 29, 1902
too faint in neg.AC 1562, Oct. 15, 1901
d 1 NAC 2601, June 1, 1902
d 1 NAC 2599, May 31, 1902
K 1 N

L. normal

AC 2597, May 31, 1902
K 2 NAC 2572, May 21, 1902
g 2 NAC ⁵⁶2557, May 29, 1902
K 1 N

L. normal

AC 1974, Nov. 10, 1901
d 1 N

L. normal

Very dear AC 1973, Nov. 10, 1901
d 1 N

L. normal

AC 1954, Nov. 4, 1901
K 2 N

November 5, 1903

Seeliger's Var. Cont

AC 1863, Oct. 15, 1901
K 1 N

L. normal

AC 2791, Aug. 21, 1902
d 1 NAC 2772, Aug. 23, 1902
too faintAC 2756, Aug. 16, 1902
d 1 N

AC 995 too poor

AC 3048, Dec. 6, 1902
g 2 NAC 3026, Nov. 29, 1902
d 1 NAC 2924, Oct. 22, 1902
K 1 N

L. normal

AC 418, Sept. 5, 1877
too faintAC 2549, May 13, 1902
K 1 N

AC 2503, too poor

AC 2492 " "

November 5, 1903

Sudig's Var. cont.

✓ AC 2491, April 18, 1902

Too faint

✓ AC 2549, Feb. 19, 1902

d1 N

Very clear
image

✓ AC 2614, Nov. 27, 1901

K4 V

Sm of L deflection

m. n. 2

✓ AC 2678, July 13, 1902

K1 N

✓ AC 2659, July 1, 1902

d2 N

✓ AC 2643, June 23, 1902

g3 N

✓ AC 2706, July 29, 1902

Too poor for req.

✓ AC 2678, July 12, 1902

Faint

✓ AC 2704, Sept. 2, 1902

Sudig's Var.

Too faint

✓ AC 2743, Aug. 27, 1902

d1 N

November 5, 1903

Sudig's Var. cont.

✓ AC 2770, Aug. 23, 1902

d1 V

H. n. 3

Probably the object measured is not the var. though it
occupies the proper position. The images are on the edge
of observability

✓ AC 2727, Aug. 7, 1902

Too faint

✓ AC 2709, July 30, 1902

Too faint

✓ AC 2707, July 29, 1902

Too faint

✓ AC 3261

Too poor

✓ AC 3057, Dec. 8, 1902

✓ AC 3056, Dec. 8, 1902

d2 N

✓ AC 2985, Nov. 2, 1902

d2 N

✓ AC 2906, Oct. 17, 1902

d2 N

✓ AC 2754, Oct. 4, 1902

d2 N

November 5, 1903

Lecigne's Var. Cont.

AC 2831, Sept. 11, 1902

Lecigne

AC 2822, Sept. 8, 1902

Lecigne

AC 3719, June 1, 1903

Too faint

AC 3653, May 25, 1903

Lecigne

Sampled from edge of Var. but cannot certainly identify

AC 3667, May 22, 1903

Lecigne

AC 3658, May 20, 1903

Too faint

AC 3564, April 28, 1903

Lecigne

AC 3475, April 1, 1903

Lecigne

faint

Sampled from edge of Var. but cannot certainly identify

AC 2866, Oct. 7, 1902

Lecigne

AC 2845, Sept. 23, 1902

Too faint

Extensive edge
of plate

Extensive edge

November 5, 1903

Lecigne's Var. Cont.

AC 2844, Sept. 15, 1902

Lecigne

AC 2803, Sept. 2, 1902

Too faint

Lecigne's Var.

AC 1687, Aug. 28, 1901

does not correspond

AC 479, Oct. 12, 1899

Too faint

November 6, 1903

Lickique Variable Continued

Plate I 23069, June 21, 1899
L1NI 18962, Sept. 21, 1897
O1NNear edge I 1915, Sept. 25, 1897
O1NEastern edge of plate I 20991, July 7, 1898
m1
12m+ I 11329, Aug. 19, 1894
O1N

I 11354, Aug. 17, 1894

Eastern edge of plate I 11551, Oct. 17, 1894
don't cut crown seg.
K2NI 3755, June 23, 1891
O1NI 29375, Oct. 12, 1902
inner edge

November 6, 1903

Lickique's Var. Cont.

I 29370, Oct. 12, 1902
inner edge

I 29374, Oct. 12, 1902 inner edge

I 29340, October 9, 1902
near O1N
vooI 30533 May 20, 1903
g1N

November 6, 1903

Crawford's Var. "13, 1903" Cont. from p. 35

↓ Am. 1622 Oct. 7, 1902
 973 L 4 V 10.13 995-10.04 09.09
 970 V 1 f 10.05

↓ Am 1127, Dec. 4, 1901
 898 L 2 V 9.1

↓ Am 231, Oct. 14, 1899
 973 L 4 V 10.13 985-999 14 14
 985 L 2 f 10.05

↓ Am 223, Nov. 14, 1899
 973 L 3 V 10.03 995-999 04 04
 995 V 1 f 10.05

↓ Am 246 Oct 25, 1899
 1081 L 1 V 10.91 10.96-10.94 03 02
 10.96 V 1 m 11.06

↓ Am 434, April 11, 1900
 1081 L 1 V 10.91 10.96-10.94 03 02
 10.96 V 1 m 11.06

↓ Am 270, Nov. 13, 1899
 1159 L 1 V 10.69 10.61-10.65 04 04
 10.61 V 2 L 10.81

↓ Am 1166, April 1, 1902
 973 L 1 V 9.73 9.8

November 6, 1903

13, 1903 Cont.

↓ Am 746, April 6, 1901
 973 L 1 V 9.83 9.65-9.74 09 02
 9.65 V 4 f 10.05

↓ Am 254, Nov. 14, 1899
 945 L 1 V 9.58 9.53-9.56 02 03
 9.53 V 2 L 9.73

↓ Am 1195, April 9, 1902
 948 L 1 V 9.5

↓ Am 1638, Oct. 10, 1902
 973 L 3 V 10.03
 f as.

Continued page 105

November 24, 1903

Seeliger's Variable 1750³2

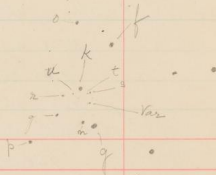
See bks 3p. 193

Faint Companion Stars

Marked on Plate D 9848,

contact point from

A 1726



Estimates by Biggs' method

A 1726

m 30

0.4p

p 59

q 52

r 32

s 2t

t 1u

It is added to sequence, although of nearly the same magnitude as t, because it is so close to s that it probably may not be separated from it on one plate sometime when needed for comparison

I 25966

m 40

0.2p

p 59

q 42

s m.

Images faint

I 18921

m 40

0.2p

p 49

December 5, 1903

Seeliger's Variable 175032 (191903)

Faint Companion Stars Observed

A 1726

m 40

0.5p

p 49

q 52

r 32

s 3t

t 0u

I 25966

The images seen to me today to be too faint and poor for safe comparison

See also pp 95, 108

December 16, 1903

Seg. on B ¹²⁵⁷⁴
~~21673~~

Estimates of Brightness of Cerberus

Var. 27 1201 (1816, 1903) $\gamma R_{12}^{m} + 1^{\circ} 23' (1855)$ March.Plate B31293, Jan. 17, 1903
g2NB12574, Nov. 13, 1894
c1V
v2dI17462, March 4, 1897
m1V
v3mB25084, April 11, 1900
h1V
v3kI5860, March 13, 1892
o1NI14252, Jan. 5, 1896 Spectro plate
t2NI13979, Dec. 2, 1895
too near edgeI2673, Dec. 29, 1890
n1N

Dec 16, 1903

Cerberus "16, 1903" 071201 Cont

I 863, March 24, 1890
h2NI 5735, Feb. 15, 1892
m2NI 3112, Feb. 19, 1891
h3V
K n. 3.Images very poor. Some of g & h diffuse,
and that of r sharpI 5046, Dec. 10, 1891
K 2N

An object near pos. 702 is evidently a defect.

I 14483, Feb. 22, 1896
K 1NTracks and repeated images
I 20136, Feb. 3, 1895
g1V
v4kfrom g & h sharp, g & h very diffuse
Spectrum off I 5203, March 6, 1892
m1Nof plates I 5627, Feb. 13, 1892
m1N

December 16, 1903

Crescent's Var. 271201 Cont.

Extreme ↓ Plate I 16521, Dec. 17, 1896
 edge of plate v 1 h
 b and c too near edge

↓ I 19925, Jan. 3, 1898
 too poor

Extreme ↓ edge of plate I 5490, Jan. 31, 1892
 L 1 N

near edge ↓ of plate I 30366, April 25, 1903
 g 2 v
 image poor v 1 h

Extreme ↓ edge of plate I 20402, March 7, 1898
 L 3 v
 v 1 h

↓ I 28279, Jan. 17, 1902
 02 N

Extreme ↓ edge of plate I 13956, Nov. 30, 1895
 f 1 v
 v 39

↓ I 12093, Dec. 17, 1894
 f 4 v
 v 09
 v 3 h

Dec. 16, 1903

Crescent's Var. 271201 Cont.

↓ I 10950, March 30, 1894

↓ too poor
 I 28507, Feb. 15, 1902
 too near edge

↓ I 892, March 27, 1890
 02 N

↓ I 10807, March 16, 1894
 01 N

↓ I 474, Jan. 13, 1892
 N 1 N

↓ I 26739, March 6, 1901
 f 2 v
 v 19

↓ I 10027, November 24, 1893
 g 2 v ?
 v 1 h ?

↓ Near edge. Images very poor
 Near edge I 26365, Dec. 31, 1900
 m 1 v ?
 n n.s.

Ident. of Vink absolutely certain
 I 475, Jan. 13, 1893
 01 N

December 16, 1903

Cesarski's Var. 071201 Cat.

Plate I 322, Dec. 13, 1889

K 1 N

I 10655, Feb. 16, 1894

L 2 N

I 23836, Oct. 18, 1899

m 1 N

I 24927, March 23, 1900

I 26217, Dec. 11, 1900

O 1 N

I 10683, Feb. 16, 1894

L 1 N

I 250, Dec. 6, 1889

K 1 N

I 33875, Oct. 20, 1899

m 1 N

I 10469, Jan. 19, 1894

K 1 N

I 21626, Nov. 2, 1898

O 1 N

I 5057, Dec. 10, 1891

K 1 N

I 10031, Nov. 24, 1893

Too poor

December 16, 1903

Cesarski's Var. 071201 Cat.

Plate I 125, Nov. 14, 1889

K 2 N

I 4933, Dec. 1, 1891

Too near edge

I 22099, Jan. 1, 1899

g 1

v 2 L

I 9872, Nov. 1, 1893

Too poor

I 8149, Feb. 25, 1893

Too near edge

I 5563, Feb. 6, 1892

p 1 N

I 7970, Jan. 25, 1893

g 2 N

I 4932, Dec. 1, 1891

Too near edge

I 8107, Feb. 4, 1893

p 1 N

I 21491, Oct. 24, 1898

m 2 N

December 16, 1903

Cassio's Var. 071201 Cont.

I 20457, March 14, 1895 Spectrum
L, KI 20459, March 10, 1898 Spectrum
For near edgeNear edge
from prism
B 29733, May 17, 1902
C, V
v2dB 26556, Nov. 12, 1900
02NExtreme
edge of plate
B 25048, Apr. 10, 1900
g, v
v2kB 12496, Nov. 12, 1894
c, v
v1dB 3041,
N, KB 29636, May 14, 1902
C, V
v2dB 20974, Nov. 12, 1900
M, K

Dec. 16, 1903

071201 Cont.

near B 15255, Dec. 23, 1895
edge
Plate g, v
v1kExtreme
edge of
plate B 12577, Nov. 13, 1894
c, v
v1dB 8910, Spectrum Plate
C, KB 3040
N, KFrom prism B 2534,
d, v
v1dB 29005, Dec. 20, 1901
K, NB 12677, Nov. 29, 1894 Spectrum
For near edgeB 26672, Nov. 19, 1900
02NB 29490, Apr. 29, 1902
C, V
v2cB 15243, Dec. 21, 1895 Spectrum Plate
g, v
v1k

Mountain - spectrum faint

December 14, 1903

Crescent's Pass 071201 Cont.

- ✓ Plate B 31414, April 15, 1903
h1 N
- ✓ B 26874, Dec. 3, 1900
o2 N
- ✓ B 12772, Dec. 19, 1894
too near edge
- ✓ B 12392, Oct. 26, 1894 Spectra
too faint
- ✓ B 9000 Spectra plate - too faint
- ✓ B 27055, April 6, 1901
d1 v
v3c
- ✓ B 15013, Oct. 29, 1895
c2 v
v2 f
- ✓ B 9092 Spectra plate
too faint
- ✓ B 29003, Dec. 30, 1901
g1 N
- ✓ B 29159, March 12, 1902
c2 v
v2 f
- ✓ B 14928, Oct. 23, 1895
c3 v
v1 f

December 14, 1903

Crescent's Pass 071201 Cont.

- ✓ B 31295, Jan. 7, 1903
o2 N
- ✓ B 38781, Nov. 8, 1901
too near edge
- ✓ I 14986, Oct. 28, 1895
c1 v
v2 f
- Edge of plate ✓ B 12464, Nov. 9, 1894
c2 v
v1 d
- ✓ B 29417, April 26, 1902
f1 v
v2 c
- Edge of plate ✓ B 14967, Oct. 25, 1895
c1 v
v2 f
- Edge of plate ✓ B 30823, Oct. 9, 1902
h2 N
- ✓ B 31269, Jan. 16, 1903
f1 N
- ✓ B 12477, Nov. 10, 1894
c2 v
v1 d
- ✓ B 14775, Oct. 5, 1895
f3 v
v1 g

December 16, 1903

Cassini's Var. 071201 Ant.

↓ Plate B 29040 Dec. 28, 1901
f 1K

↓ B 12755, Dec. 17, 1894
Too near edge

December 17, 1903

Cassini's Var. 071201 Ant.

↓ Plate A C 3252, Jan. 27, 1902
K 2V

N m 3.

Very faint. Obs. uncertain.

↓ A C 3023, Mar. 27, 1902
K 1K

↓ A C 1445, May 7, 1901
Too poor

↓ A C 1337, March 14, 1901
Too poor

↓ A C 3290, Feb. 13, 1903
f 2K

↓ A C 525, Nov. 15, 1899
Too poor

↓ A C 3053, Dec. 7, 1902
f 1K

↓ A C 2263, Feb. 3, 1902
K 15K

↓ A C 140, Dec. 23, 1895
f 1K

↓ A C 535, Nov. 16, 1899
Too near edge

December 17, 1903

Crash's Var. 071201 Cont.

↓ AC 3122, Dec. 30, 1902
m i N

✓ AC 1903, Oct. 24, 1901
Too poor

↓ AC 2324, Feb. 12, 1902
h i N

Near edge
Image poor. ↓ AC 180, Feb. 2, 1899
a s v
v o t

↓ AC 2901, Oct. 14, 1902
g i N

↓ AC 1958, Nov. 5, 1901
h i N

Near edge
of plate ↓ AC 2374, March 1, 1902
h i N?
k m s.

Edge of
plate
Trails.
Image poor. ↓ AC 199, Feb. 14, 1899
h i v
v a c

↓ AC 454, Apr. 22, 1899
Too poor

December 17, 1903

Crash's Var. 071201 Cont.

✓ Photo AC 724, Feb. 19, 1900
k i N

↓ AC 2959, Nov. 9, 1902
m i N

↓ AC 2434, March 26, 1902
c a v
v i d

AC 2468, April 14, 1902.
In the moon - not available.

↓ AC 128, Dec. 16, 1898
g i N

↓ AC 3226, Jan. 30, 1903
f i N

↓ AC 3072, Dec. 9, 1902
k i N

↓ AC 1109, Dec. 29, 1900
m i N

↓ AC 764, March 16, 1900
h i N

↓ AC 2456, April 18, 1902
h i v

c hidden by scratch

December 17, 1903

Cesarski's Var. 071201 Cont

✓ AC 2594, Oct. 10, 1902
L1K

✓ AC 3242, Feb. 3, 1903
C1K

✓ AC 3328, Feb. 20, 1903
g 2K

✓ AC 3421, March 13, 1903
Too poor

✓ AC 1217, Feb. 7, 1901
N1K

✓ AC 1121, Jan. 2, 1901
d 2K

✓ AC 2957, Nov. 9, 1902
h 2K

✓ AC 3369, Feb. 28, 1903
d1K

✓ AC 1418, April 27, 1901
C3K
vid

Images very faint and poor
✓ AC 1336, March 7, 1901
Too poor

December 17, 1903

Cesarski's Var. 071201

✓ AC 3113, Dec. 28, 1902
m1K

✓ AC 2205, Jan. 17, 1902
m1K

✓ AC 2369, Feb. 27, 1902
h 2K?

I am not certain of the absence of the variable,
which may be superposed on the image of
the star following.

✓ AC 2137, Jan. 1, 1902
m1K

✓ AC 3391, Feb. 14, 1903
f 2K

✓ AC 3185, Jan. 18, 1902
L1K

✓ AC 1997, Nov. 21, 1901
m1K

✓ AC 2119, Dec. 30, 1901
K1K

✓ AC 2066, Dec. 6, 1901
L1K

✓ AC 3440, March 19, 1903
d 2K

December 17, 1903

Cassiopeia Var. 071201 Cont.

- ✓ AC 2494, April 19, 1902
a4r
vib
- ✓ AC 3545, April 25, 1903
div
red
- ✓ Images very poor and faint
AC 3431, March 15, 1903
h2K
- ✓ AC 2443, March 31, 1902
t2r
v1c
- ✓ AC 3392, March 3, 1902
too poor
- ✓ AC 2391, March 6, 1902
h2r
v2K
- ✓ AC 3313, Feb. 18, 1903
h1K.
- ✓ AC 2517, May 2, 1902
c1r
red
- ✓ AC 1896, Oct. 21, 1901
d1K

December 17, 1903

Cassiopeia Var. 071201 Cont.

- ✓ AC 2089, Dec. 19, 1901
Trails
- ✓ AC 2179, Jan. 12, 1902
h1K
- ✓ AC 4132, Oct. 29, 1903
m1K
- ✓ AC 2213, Jan. 19, 1902
f1K
- ✓ AC 4100, Oct. 25, 1903
h1K
- ✓ AC 1271, Feb. 21, 1901
m1K
- ✓ AC 562, Dec. 3, 1899 Trails.
h1K
- ✓ AC 3578, May 1, 1903
d2K
- ✓ AC 785, April 1, 1900
from sub Cassiopeia region

December 17, 1903

Cassini's Var. 07201 Cont.

↓ AC 573, Nov. 9, 1899

f2K

↓ AC 191, Feb. 7, 1899

f1r

r2c

Faint and repeated images

✓ AC 619, Dec. 24, 1899

e1K

Faint and repeated images

↓ AC 1262, Feb. 19, 1901

h1K

↓ AC 83, Oct. 27, 1895

Too poor to use, 9 var

↓ AC 1149, Jan. 16, 1901

h1K

↓ AC 1374, March 25, 1901

Too poor

↓ AC 421, Nov. 36, 1903

h2K

↓ AC 672, Jan. 21, 1900

m1K

December 17, 1903

07201 Cont.

↓ AC 111, Dec. 7, 1898

g2K

Many repeated images

↓ AC 1232, Feb. 10, 1901

m1K

↓ AC 660, Jan. 5, 1900

h1K

↓ AC 571, Dec. 6, 1899

h1K

↓ AC 717, Feb. 18, 1900

e1K

↓ AC 1042, Oct. 24, 1900

d2K

↓ AC 1358, March 19, 1901

d2r

r2e

↓ AC 1060, Dec. 16, 1900

m1K

↓ AC 2579, Dec. 15, 1901

h1K

December 17, 1903

Cruski's Var 071201 Cont.

- ✓ AC 1442, May 6, 1901
200 from
- ✓ AC 1748, Sept. 15, 1901
200 from
- ✓ AC 1938, Nov. 1, 1901
h1N
- ✓ AC 3427, March 14, 1903
d1N
- ✓ AC 4006, Sept. 20, 1903
h1N
- ✓ AC 3470, April 1, 1903
200 from
- ✓ AC 2963, Sept. 21, 1903
g1N
- ✓ AC 3533, April 24, 1903
d2N
- ✓ AC 4072, Oct. 20, 1903
Sent
- ✓ AC 3285, Feb. 12, 1903
c2N

Dec. 17, 1903

071201 Cont.

- ✓ Plate AC 2091, Dec. 21, 1901
h1N
- ✓ AC 1253, Feb. 17, 1901
d2N
- ✓ AC 3346, Feb. 23, 1903
e2N
- ✓ AC 2104, Dec. 25, 1901
200 from
- ✓ AC 4232, Nov. 19, 1903
h1N
- ✓ AC 3426, March 14, 1903
200 from
- ✓ AM 1737, Dec. 4, 1902
e1N
- ✓ AM 1617, Oct. 7, 1902
f2N
- ✓ AM 339, Dec. 2, 1899
f2N
- ✓ AM 1637, Oct. 10, 1902
f1N

December 17, 1903

Cecilia's Var. 071201 Cont

✓ AM 1819, Feb. 19, 1903
h1KAC 239, March 10, 1899
d1v
v3e

Images extremely faint and poor

✓ AM 746, April 6, 1901
c3v
v0e
v4e✓ AM 1746, Dec. 6, 1902
f1K✓ AM 457, May 1, 1900
g3v
K m. comparable
K m. o.✓ AM 1622, Oct. 3, 1902
f1K✓ AM 1947, May 18, 1903
d5v
v0e
v3f

December 17, 1903

071201 Cont

✓ Sph. time ✓ AM 434, April 11, 1900
edge of plate g1K✓ AM 1127, December 4, 1901
d1K✓ AM 1654, Nov. 7, 1902
f2K✓ AM 1265, May 19, 1902
c2v
v1d✓ Images poor
AM 1166, April 1, 1902
f3v
v0c
v4d✓ AM 1944, May 15, 1903
e2v
v2f✓ AM 1706, Nov. 24, 1902
c1K✓ AM 1583, Sept. 27, 1902
g1K

December 17, 1903

071201 Cont

↓ AM 1195, April 9, 1903
a 4 r
v 1 r

↓ AM 374, Feb. 24, 1900
2 r poor

↓ AM 1254, May 16, 1902
c 2 r
v 1 d

↓ AM 344, Dec. 4, 1899. *Lochmastic*
c 2 r

Near edge ↓ AM 813, May 25, 1901
e 1 r
v 3 f

Images very poor. Obs. uncertain

↓ AM 1114, Nov. 12, 1901
w 2 r

↓ AM 212, Oct. 28, 1899
f 1 r

↓ AM 406, April 3, 1900
f 2 r

December 17, 1903

071201 Cont

↓ AM 1142, Dec. 28, 1901
Trails - to poor

↓ AM 331, Dec. 1, 1899
f 2 r

↓ AM 224, Oct. 13, 1899
d 2 r

↓ AM 1125, Dec. 4, 1901
d 2 r

↓ AM 747, April 6, 1901
d 1 r
v 4 e

↓ AM 435, April 11, 1900
g 2 r
v 1 h

↓ Images very poor; obs. uncertain
AM 245, Oct. 25, 1899
h 1 r

↓ AM 1638, Oct. 10, 1902
v 8 r

↓ AM 312, Nov. 22, 1899
g 2 r

December 17, 1903

071201 Ant

✓ AC 2360, Feb. 23, 1902

f i r

d n.s.

Image very faint and poor. Obs. uncertain

✓ AC 1400, April 12, 1901

Dark - too poor

✓ AM 271, Nov. 10, 1899

Too badly broken to be recorded

Class S ✓ A 4971, Jan. 12, 1901

h i r

✓ A 3491, April 22, 1899

Req. not on plate

✓ A 245, Feb. 16, 1894

p a r
g n.s.

✓ AC 1112, Dec. 8, 1898

Missing

December 17, 1901

071201 Cont.

✓ Photo AI 754, Feb. 20, 1903

d i r

AI 425, Oct. 25, 1902

d i r

✓ AI 670, Jan. 23, 1903

d i r

✓ AI 524, Dec. 8, 1902

c i r

d n.s.

Ident. if doubtful

✓ AI 115, Feb. 7, 1901

d i r

✓ AI 435, Oct. 29, 1902

d i r

✓ AI 496, Feb. 22, 1903

f i r

✓ AI 650, Jan. 19, 1903

d i r

✓ AI 599, Jan. 1, 1903

d i r

December 18, 1908

Cecuski's War 071201 Cont.

- ✓ AI 941, April 1, 1903
CIN
- AI 116, Feb 7, 1901
FIN
- ✓ AI 444, Oct. 31, 1902
a 31?
vib?
Ident. of r incultum
- ✓ AI 525 Dec. 8, 1902
FIN
- ✓ AI 494, Nov. 28, 1902
d 11
- ✓ AI 700, Feb 5, 1903
d 11
- ✓ AI 987, April 19, 1903
CIN
- ✓ AI 603, Feb. 23, 1903
CIN
- ✓ AI 124, Feb. 21, 1901
d 11
- ✓ AI 572, Dec. 28, 1902
FIN

Dec. 18, 1908

071201 Cont.

- ✓ AI 107, Feb. 25, 1903
d 21
- ✓ AI 708, Feb. 6, 1903
d 21
- ✓ AI 125, Feb. 21, 1901
CIN
- ✓ AI 571, Dec. 30, 1902
d 11
- ✓ AI 844, March 1, 1903
c 21
- ✓ AI 744, Feb. 13, 1903
d 11
- ✓ AI 150, March 7, 1901
c 11
- ✓ AI 776, Feb. 19, 1903
d 11
- ✓ AI 173, March 23, 1901
Larger to form

December 18, 1903

Cassini's Var. of 1201 Cent

✓ AI 591, Dec. 31, 1902
L1K✓ AI 866, March 6, 1903
L1K✓ AI 777, Feb. 19, 1903
L1K✓ AC 1057, Dec. 14, 1900
L1K✓ AC 1254, Feb. 17, 1901
g1K✓ AC 567, Dec. 14, 1899
g1K✓ AC 2118, Dec. 30, 1901
L2K✓ AC 4044, Oct. 14, 1903
L1K✓ AC 1233, Feb. 10, 1901
L1KNew clip of plate
Larger magnification
✓ AC 686, Jan. 22, 1902
L2K?
m n 2

December 18, 1903

Cassini's Var. of 1201 Cent

✓ AC 2274, Feb. 5, 1902
L1K✓ AC 1847, Oct. 7, 1901
f1K✓ AC 712, Feb. 6, 1900
L2K✓ AC 3153, Jan. 10, 1903
Too poor✓ AC 3017, Nov. 23, 1902
g1K✓ AM 1663, Dec. 26, 1902
Oct. 24, 1902
L2K✓ AC 491, Oct. 21, 1899
f1K✓ AC 717, Feb. 17, 1900
f2K✓ AC 2204, Jan. 17, 1902
L1K✓ AC 1959, Nov. 20, 1901
L2K

December 18, 1903

Crawford's 071201 Cont.

✓ AC 1663, Dec. 24, 1902
 4475, Dec. 26, 1902
 g1N

✓ AC 512, Nov. 9, 1899
 f2N

✓ AC 2058, December 5, 1901
 k1N

✓ AM 246, Oct. 25, 1899
 h2N

✓ AC 4064, Oct. 19, 1903
 f1N

✓ AC 2922, Oct. 21, 1902
 f2N

✓ AC 2448, April 1, 1902
 c1N
 d n.s.
 t and c appear equally bright

✓ AM 231, Oct. 14, 1899
 f1N

✓ AC 4081, Oct. 21, 1903
 e2N

December 18, 1903

071201 Cont.

✓ AC 3326, Feb. 20, 1903
 h1N

✓ AC 2407, March 14, 1902
 e3N
 v1f

✓ AC 2150, Jan. 12, 1902
 h2N

✓ AC 3312, Feb. 18, 1903
 e1N

✓ AC 2379, March 6, 1902
 g1N
 h not comparable. B only

✓ AC 3337, March 1, 1903
 h1N

✓ AC 1356, March 19, 1901
 f1N

✓ AC 3231, Jan. 31, 1903
 f1N

✓ AC 4289, Nov. 30, 1903
 g2N

December 18, 1903

Re-examination of two plates for Andersen's
Var. 19, 1902 215934

Edge of plate I 15429, July 2, 1896
 margin very poor ~~not~~ separated from k
 on n.s.

Edge of plate I 15465, July 12, 1896
 margin very poor and faint
 hidden by defect
 10.30 $\frac{9}{11}$ 10.40 10.36 - 10.38 0.02
 10.36 $\frac{1}{2}$ 10.56

December 19, 1903

Estimating the brightness of faint crisp stars
for Seligman Var. 10, 1903 185032

Plate A 1736 Sept. 24, 1895

n 20
 0.5 p
 4.4 q
 9.5 r
 2.3 c
 0.2 t
 4.6 m
 1.1 u

See also pp 58, 59, 108

December 19, 1903

Coastal Var. "10, 1902" 202817
Continued from Bk 3 p

✓ Plate I 30770 Aug. 24, 1903
12.25 m1 N 12.3

✓ I 31051, Oct. 25, 1903
Reg. mt on plate

✓ I 31185, Nov. 24, 1903
9.62 C 1 V 9.82 9.64 = 9.68 04 04
9.64 V 2 d 9.84

✓ I 31137 Nov. 14, 1903
9.62 C 1 V 9.72 9.64 = 9.68 04 04
9.64 V 2 d 9.84

✓ I 1370, June 30, 1890
10.48 f 1 V 10.58 10.63 = 10.60 02 03
10.63 V 2 d 10.83

✓ B 713 Spectrum plate
Too poor

✓ I 31166, Nov. 20, 1902
8.80 f 1 V 9.40 9.62 9.54 = 9.52 12 10 02

✓ V 0 C 9.62
9.54 V 3 d 9.84
I 31175, Nov. 21, 1903
8.80 f 1 V 9.40 9.62 9.54 = 9.52 12 10 02
V 0 C 9.62
9.54 V 3 d 9.84

December 19, 1903

Coastal Var. "10, 1902" Cont 202817

✓ I 31111 - 07

msb C 3 V
V 2 d

5 08 07 01

03 02 02

19 08

✓ I 31140, Nov. 14, 1903
9.62 f 1 V 9.72 9.64 = 9.68 04 04
9.64 V 2 d 9.84

December 19, 1903

Cassini's Var. "10, 1902" 202817
Continued from Bk 3 p✓ Plate I 30770 Aug. 24, 1903
12.25 m 11 12.3✓ I 31051, Oct. 25, 1903
Reg. m on plate✓ I 31185, Nov. 24, 1903
9.62 C 1 V 9.82 9.64 = 9.68 04 04
9.64 V 2 d 9.84✓ I 31137 Nov. 14, 1903
9.62 C 1 V 9.72 9.64 = 9.68 04 04
9.64 V 2 d 9.84✓ I 1370, June 30, 1890
10.48 f 1 V 10.58 10.63 = 10.60 02 03
10.63 V 2 g 10.83✓ B 713 Spectrum plate
Too poor✓ I 31166, Nov. 20, 1903
8.80 L 5 V 9.40 9.62 9.54 = 9.52 12 10 02
V 0 C 9.62
9.54 V 3 d 9.84✓ I 31175, Nov. 21, 1903
8.80 L 6 V 9.40 9.62 9.54 = 9.52 12 10 02
V 0 C 9.62
9.54 V 3 d 9.84

December 19, 1903

Cassini's Var. "10, 1902" Cont 202817

✓ Plate I 31192, Nov. 25, 1903
8.80 L 7 V 9.50 9.62 9.54 = 9.55 08 07 01
V 0 C 9.62
9.54 V 3 d 9.84✓ I 31061, Oct. 26, 1903
10.16 L 3 V 10.46 10.28 = 10.37 09 02
10.28 V 2 f 10.48✓ I 31024, Oct. 21, 1903
10.48 f 3 V 10.78 10.83 10.83 = 10.81 03 02 02
V 0 g 10.83
10.83 V 2 h 11.03✓ I 13541, Sept. 30, 1895
11.75 m 1 V 11.85 11.83 = 11.84 01 01
11.83 V 4 n 12.23✓ I 31060, Oct. 26, 1903
10.16 L 4 V 10.56 10.38 = 10.47 09 02
10.38 V 1 f 10.48✓ I 31205, Nov. 28, 1903
9.62 C 1 V 9.72 9.74 = 9.73 01 01
9.74 V 1 d 9.84✓ I 31140, Nov. 14, 1903
9.62 L 6 V 9.72 9.64 = 9.68 04 04
9.64 V 2 d 9.84

December 19, 1903

Crank's Var 202517 Cont.

Images ex
remely faint
ident. of
mt contain

✓ I 29245, Sept. 7, 1902
12.51 0.2 v 12.71
p. 0.3

✓ I 31027, Oct. 21, 1903
10.48 f 3v 10.78 10.83 10.73 = 10.78 10 05 05
v 09 10.83
10.73 v 3h 11.03

✓ I 31157, Nov. 19, 1903
8.80 6.7 v 9.50 9.62 9.64 = 9.57 09 03 05
v 0c 9.62

✓ 9.64 v 2d 9.84
I 31029, Oct. 21, 1903
10.48 f 3v 10.78 10.83 10.83 = 10.81 03 02 02
v 09 10.83
10.83 v 2h 11.03

Near edge
of plate. Images
very faint

AC 4293, Dec. 1, 1903
9.84 d 3v 10.14 10.06 = 10.10 04 04
10.06 v 1.2 10.16

✓ AC 4149, Nov. 1, 1903
9.84 d 1v 9.94 9.86 = 9.90 04 04
9.86 v 3h 10.16

✓ AC 425, Sept. 13, 1899
10.16 d 1v 10.26 10.28 = 10.27 01 01
10.28 v 2f 10.48

Dec. 19, 1903

202517 Cont.

✓ AC 4225 Nov. 19, 1903
9.62 CIV 9.72 9.64 = 9.68 04 04
9.64 v 2d 9.84

✓ AC 2492, April 10, 1902
For form

✓ AC 914, July 4, 1900
Reg. mt on plate

✓ AC 4274, Nov. 29, 1903
9.62 CIV 9.72 9.74 = 9.73 01 01
9.74 v 1d 9.84

✓ AC 2679, July 10, 1902
Reg. mt on plate

✓ AC 4075, Oct. 21, 1903
10.48 f 3v 10.78 10.73 = 10.76 02 03
10.73 v 19 10.83

✓ AC 3784, July 26, 1903
Reg. mt on plate

Edg. of plate
Images very
faint and fid

✓ AC 4165, Nov. 4, 1903
10.16 CIV 10.26 10.18 = 10.22 04 04
10.18 v 3f 10.48

✓ AC 4058, Oct. 19, 1903
10.83 g 1v 10.93 10.83 = 10.88 05 05
10.83 v 2h 11.03

December 19, 1903

Quasich's Var. 202517 Cont

Plate AL 4256, Nov. 25, 1903

9.62 CIV 9.92 9.84 9.66 = 9.81 " 0.3 15

rod 9.84

9.66 vsc 10.16.

A 4665, Sept. 11, 1900

Reg. on plate

A 2003, Aug. 17, 1896

Reg. on plate

The following plates do not cover region

✓ B 294

✓ I 23517

✓ B 733

✓ I 16134

✓ B 718

✓ I 1469

✓ B 761

✓ B 778

✓ B 1487

✓ B 1490

✓ B 1582

✓ B 1612

✓ B 1635

✓ B 2858

✓ B 2910

✓ B 2951

✓ A C 366 Class C

✓ A C 269 " "

✓ I 18929

✓ I 26098

December 19, 1903

202817 Cont.

✓ Plate B 1706 Section plate
Too poor

✓ I 31158, Nov. 19, 1903 Section plate

9.62 CIV 9.72 9.64 = 9.68 04 04

9.64 vsc 9.84

✓ I 31167, Nov. 20, 1903 Section

9.62 CIV 9.82 9.74 = 9.78 04 04

9.74 vsc 9.84

✓ I 31186, Nov. 24, 1903 Section plate

9.62 CIV 9.82 9.74 = 9.78 04 04

9.74 vsc 9.84

Dec. 22, 1903

✓ A I 560, Dec. 24, 1902

9.84 d 2V 10.04 10.06 = 10.05 = 01 01

10.06 vsc 10.16

Images very faint

✓ A I 544, Dec. 19, 1902

9.84 d 2N 10.04

A I 1718, Nov. 25, 1903

Images too poor

✓ A I 528, Dec. 9, 1902

10.16 e 2N 10.38

December 22, 1903

Crescent's Tan "14, 1903" 0.65530

Continued from Book 4 page 110

✓ I 20216, March 25, 1902
Loo faint

✓ I 29637, Dec. 7, 1902

10.28 d 21 10.4

✓ I 26070, Nov. 12, 1900

10.58 d 41 10.98 10.73 = 10.85 13 12

10.73 v 42 10.93

I 24683, March 3, 1900

Reg. not on plate

✓ I 20319, March 3, 1902
Loo faint✓ I 2930, Jan. 26, 1891
Loo faint

✓ AC 4154, Nov. 1, 1903

10.28 C 31 10.58 10.48 = 10.53 05 05

10.48 v 12 10.58

✓ AC 4072, Oct. 20, 1903
Loo faint✓ AC 4078, Oct. 22, 1903
Loo faint

December 22, 1903

Crescent's "14, 1903" Cont 0.65530

✓ AC 4190, Nov. 9, 1903
Loo faint✓ AC 4082, Oct. 21, 1903
Loo faint✓ AC 4169, Nov. 4, 1903
Loo faint✓ AC 4161, Nov. 3, 1903
Loo faint

✓ AC 4121, Oct. 28, 1903

10.58 d 11 10.68 10.53 = 10.60 08 07

10.53 v 42 10.93

✓ AC 4055, Oct. 17, 1903

10.58 d 51 11.08 10.93 11.01 = 11.02 06 09 01

10.93 v 02 10.93

11.01 v 31 11.31

Images faint and poor

I 30376, Apr. 27, 1903
Loo faint✓ AC 4080, Oct. 21, 1903
Baker - picture not found

Continued p. 109

December 22, 1903

Cecaski's Var. '14, 1903 Cont 065530

I 31002, Oct. 28, 1903

✓ I 30394, April 29, 1903

In near edge

I 30395, April 29, 1903

In near edge

✓ B 2002, Spectrum plate

B 2140, Spectrum plate

Too faint

✓ B 1105, B 1111, B 228 Spectrum plate

Too poor

✓ AC 2255, Class C

AC 2070, " "

✓ AC 1778, Sept. 24, 1901

10.28 C 2 K 10.48

✓ I 191, Nov. 25, 1899

Req. not on plate

✓ AC 3414, March 12, 1903

Too poor

AC 113, Dec. 7, 1898

Too poor

AC 56, Oct. 30, 1898

Too poor

December 22, 1903

171531 Cecaski's '13, 1903 " Cont. from page 57

AC 4154, Nov. 1, 1923

11.59 21 r 11.69 11.67 = 11.68 01 01

11.67 v 34 11.97

Not to be entered in ledger

021281 Cecaski's Var 15, 1903 Cont from Bk 4 p. 141

I 715 March 2, 1896

Too poor

✓ I 2329, Nov. 22, 1890

12.08 K 3 K 12.38

K 2 v P)

Image of C poor, though smaller it is comparable

✓ I 5151, Dec. 13, 1901

11.02 2 3 v 11.32 11.34 11.24 = 11.30 0.2 0.4 0.6

11.34 v of 11.34

11.24 v 49 11.64

K 2 v P)

L no.

Near edge I 12 ³⁴ 1, May 9, 1895

Large from 12.08 K 1 K 13.08 12.1

December 22, 1903

021281 Leucki's 15, 1903 Cont.

✓ I 13619, Oct. 2, 1895
Lms from✓ I 16644, Dec. 1, 1896
12.88 m 2 12.08K 2 12.31
(V) 2 L✓ I 30908, Sept. 21, 1903
10.84 d 1 10.9✓ I 20911, Sept. 25, 1903
12.43 L 1 12.5
K 2 12.31
(V) 1 L✓ I 31138, Nov. 14, 1903
11.86 K 2 12.06 12.08 12.03 = 12.06 00 08.03
12.08 v 0 K 12.08
12.03 v 4 L 12.43
K 2 12.31
(V) 2 L✓ I 31141, Nov. 14, 1903
11.86 K 2 12.06 12.08 12.03 = 12.06 00 02.03
12.08 v 0 K 12.08
12.03 v 4 L 12.43✓ I 19561, Nov. 10, 1899
10.84 d 1 10.94 10.72 = 10.83 11 11
10.72 v 3 L 11.02

December 22, 1903

12128 Leucki's "15, 1903" Cont.

✓ Plate A 1529, July 18, 1895
12.08 K 3 12.38
K 2 12.31
Lms✓ I 24232, Dec. 13, 1899
12.88 m 1 12.7
K 2 12.31
(V) 2 L✓ I 2871, Jan. 20, 1891
11.02 e 3 11.32 11.34 = 11.33 d 1 11.0
v of 11.34
g ms.✓ A 1437, May 2, 1895
Reg. not on plate✓ I 29795, Jan. 1, 1903
12.58 m 1 12.6

December 22, 1903

Lehman's Variable "10, 1903"
 Estimate of Brightness of Faint Crisp Stars

Plate I 1726

t 3 u

a 3 t

a 3 a

g 5 a

f 4 g

o 3 p

n 2 o

See also pages 95, 58, 59

December 31, 1903

Cassini's Var. 20257 (16, 1902) Ant. from p. 103

✓ Plate I 31269 Dec. 14, 1903
 10.16 L 2 V 10.36 10.28 = 10.32 04 04
 10.25 V 2 f 10.48

✓ I 31222 Dec. 6, 1903
 9.62 C 2 V 9.82 9.84 9.86 = 9.84 02 02 02
 v o d 9.84
 9.86 V 3 L 10.16

✓ I 31220 Nov. 30, 1903
 9.62 C 1 V 9.72 9.74 = 9.73 01 01
 9.74 v i d 9.84

✓ I 31221 Dec. 4, 1903
 9.84 d 1 V 9.94 9.96 = 9.95 01 01
 9.96 v 2 L 10.16

January 15, 1904

Examination for *Serpentis* effect on the
55 Plate

Plate 25 The Phased mark [120, 76] appears also
on AC 2156 from which the plate was
taken. On plate AC 2145 taken the pre-
vious day (Jan. 3, 1902) there is no trace
of such an object within a radius of six
degrees. It must, therefore, be a defect

Plate 19 The star-like image at 39, 122 is
the result of a defect in the glass of this
original plate (AC 1013)

