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Project PHaEDRA - Henrietta Swan Leavitt #55

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KG 11365.935

[[partly illegible stamp]] Harv
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Library
Jul 17 1956

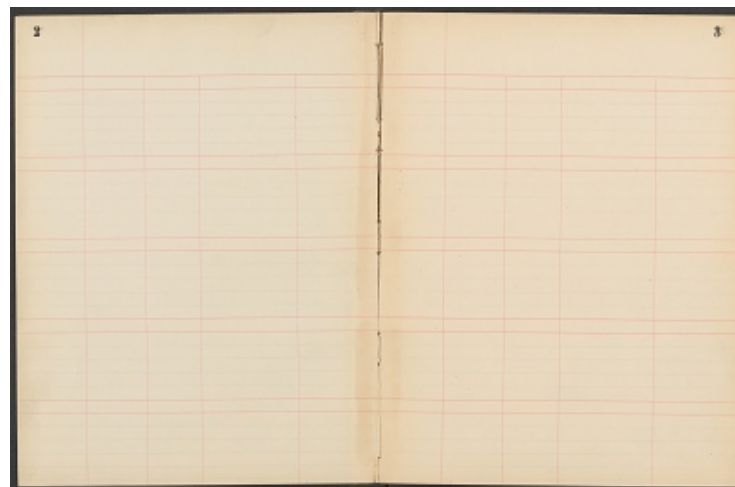
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Brightness
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brightness |
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96-101	Ceraski's	L Delphinii	16,1902 202817	Est. of brightness
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November 2, 1903

Measures of Magnitudes of Comparison Stars for "13, 1903" Ceraski
7h 15m 1 +31°n4' (1900)

[[image - drawing star field]]
Plate I 954

[[2 column table]]

Var. | ~~6.5~~ 8.7

a | 6.5

b | 6.7

c | 6.9

d | 7. ~~7~~ 5

e | 7.7

~~f | 7.9~~

~~g | 8.1~~

~~h | 8.2~~

~~k | 8.6~~

~~l | 8.7~~

~~m | 8.8~~

~~m n | 9.0~~

~~o | 9.1~~

~~p o | 9.6~~

I 14822

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~~

~~m | 8.9~~

~~o | 9.1~~

[[end page]]

[[start page]]
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November 2, 1903

13, 1903 Ceraski cont.

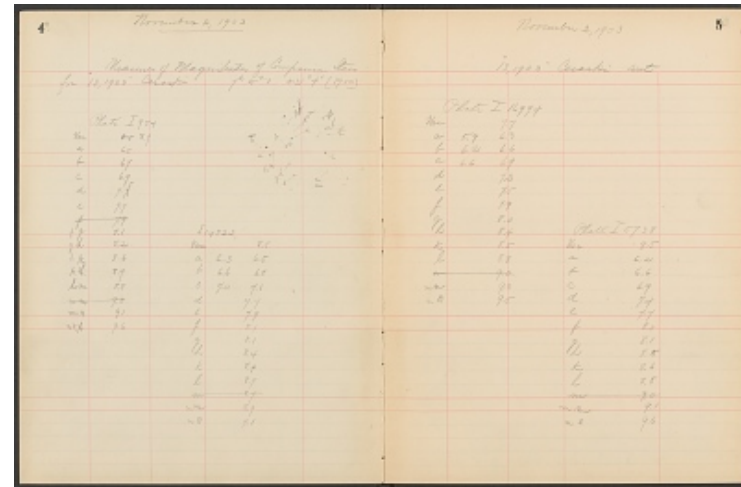
Plate I 16994

[[2 column table]]

Var. | 7.7

a | 5.9 6.3

b | 6.2 6.6



c | 6.6 6.9
d | 7.2
e | 7.5
f | 7.9
g | 8.0
h | 8.4
k | 8.5
l | 8.8
[[~~strikethrough~~]] m | 9.0 ~~[[/strikethrough]]~~
[[~~strikethrough~~]] n ~~[[/strikethrough]]~~ m | 9.0
[[~~strikethrough~~]] o ~~[[/strikethrough]]~~ 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
[[~~strikethrough~~]] m | 9.0 ~~[[/strikethrough]]~~
[[~~strikethrough~~]] n ~~[[/strikethrough]]~~ m | 9.1
[[~~strikethrough~~]] o ~~[[/strikethrough]]~~ n | 9.6
[[end page]]

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[[preprinted]] 6 [[/preprinted]]

[[underlined]] November 3, 1903 [[/underlined]]

Estimates of brightness of Var. "13, 1903" Ceraski
7^h 15.1^m + 31° 4' (1900)

Plate I 3068, 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 g4v 10.53 10.51 10.61 = 10.55 02 04 06
10.51 v0h 10.51
10. ~~[[/strikethrough]]~~ 7 ~~[[/strikethrough]]~~ 61 v2l 10.81
Stars h and k are too nearly of the same magnitude to be used in the same comparison. h is more convenient for use on the I plates, but there is a bright star too near for st. to be used on AC plates.

I 24909, March 21, 1900
10.13 g2v 10.33 10.31 = 10.32 01 01
10.31 v2h 10.51

[[margin]] edge of plate [[/margin]]
I 20400, March 8, 1898
9.73 e1v 9.83 9.75 = 9.79 04 04
9.75 v3f 10.05

[[margin]] edge of plate [[/margin]]
I 13921, Nov. 28, 1895
9.73 e4v 10.13 9.95 = 10.04 09 09
9.95 v1f 10.05

I 10329, Dec. 28, 1893
10.5 ~~[[/strikethrough]]~~ 9 ~~[[/strikethrough]]~~ 1 h2v 10.7 ~~[[/strikethrough]]~~ 9
~~[[/strikethrough]]~~ 1 10.71 = 10.7 ~~[[/strikethrough]]~~ 5 04 04 ~~[[/strikethrough]]~~
1 00 00
10.71 v1l 10.81

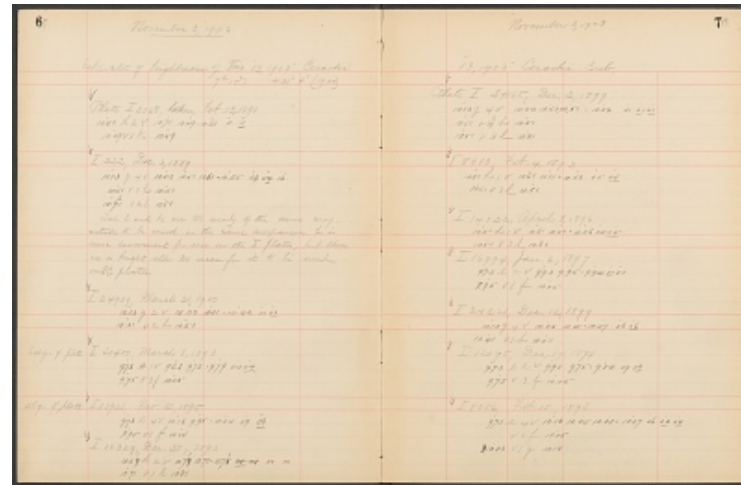
[[preprinted]] 7 [[/preprinted]]

November 3, 1903

"13, 1903" Ceraski cont.

Plate I 24165, Dec. 2, 1899
10.13 g4v 10.53 10.51 10.51 = 10.52 01 01 01
10.51 v ~~[[/strikethrough]]~~ 4 ~~[[/strikethrough]]~~ 0h 10.51
10.51 v3l 10.81

I 8010, Feb. 4, 1893
10.51 h1v 10.61 10.51 = 10.56 05 05
10.51 v3l 10.81



I 14822, April 8, 1896
10.51 h1v 10.61 10.51 = 10.56 05 05
10.51 v3l 10.81

I 16994, Jan. 6, 1897
9.73 l2v 9.93 9.95 = 9.94 01 01
9.95 v1f 10.05

I 24221, Dec. 12, 1899
10.13 g4v 10.53 10.44 = 10.47 06 06
10.41 v1h 10.51

I 12095, Dec. 17, 1894
9.73 e2v 9.93 9.75 = 9.84 09 09
9.75 v3f 10.05

I 8056, Feb. 15, 1893
9.73 e4v 10.13 10.05 10.03 = 10.07 06 02 04
v0f 10.05
[[~~9~~]] 9 [[~~10.03 v1g 10.13~~]]

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"13,1903" Ceraski Cont.

Plate I 5641, Feb. 15, 1892

10.13 g 2 v 10.33 10.31 = 10.32 01 01
10.31 v 2 h 10.51

I 5738, Feb. 18, 1892

10.13 g 4 v 10.53 10.51 10.51 = 10.52 01 01 01
v 0 h 10.51
10.51 v 3 l 10.81

I 5806, March 6, 1892

10.13 g 2 v 10.33 10.31 = 10.32 01 01
10.31 v2h 10.51

I 5498, Feb. 1, 1892

10.81 l 1 v 10.91
m n.s.

I 5053, Dec 10, 1891

9.73 l3v 10.03 9.95 = 9.99 04 04
9.95 v1f 10.05

I 3149, Feb. 22, 1891

8.98 c6v 9.58 9.48 9.43 = 9.50 08 02 07
[[~~8~~]] 9.48 v0d 9.48
9. [[~~7~~]] 43 v3e 9.73

I 894, March 24, 1890

9.48 d1v 9.58 9.43 = 9.50 08 07
9.43 v3l 9.73

I 10754, March 6, 1894

Reg. not on plate

[[~~10639~~]] I 10634 [[~~10639~~]]

Reg not on plate

9

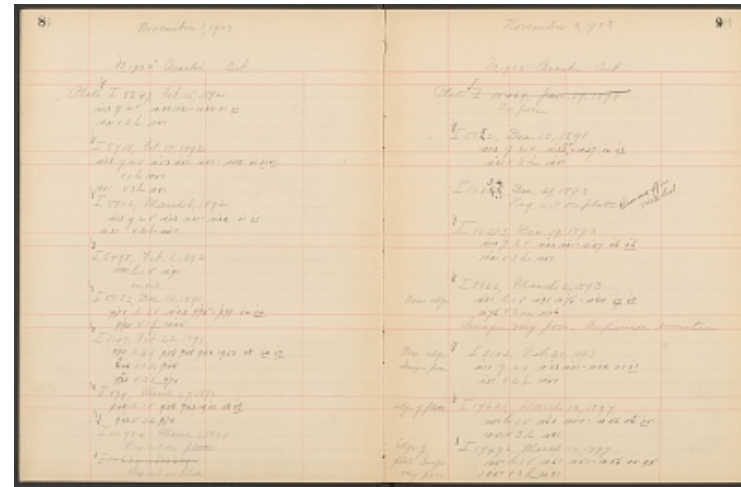
November 3, 1903

"13,903" Ceraski Cont.

Plate [[~~10469~~]] I 10469, Jan. 19, 1994 [[~~10469~~]]
Too poor

I 50 [[~~8~~]] 52, Dec. 10, 1891

10.13 g2v 10.33 10.21 = 10.27 06 06
10.21 v3h 10.51



I 103 ~~28~~ ~~3~~ 9
~~Dec. 29, 1893~~
Reg. not on plate ^~~[[Crossed off on plate list.]]~~

I 10213, Dec. 19, 1893
10.13 g2v 10.33 10.21 = 10.27 06 06
10.21 v3h 10.51

I 8166, March 2, 1893
Near edge 10.81 l1v 10.91 10.76 = 10.84 07 08
10.76 v3m 11.06
Images very poor. Comparison uncertain.

[[margin]]

 Near edge Images poor

[[/margin]]

I 8152, Feb. 28, 1893
10.13 g2v 10.33 10.31 = 10.32 01 01
10.31 v2h 10.51

[[margin]]

 edge of plate

[[/margin]]

I 17621, March 16, 1897
10.51 h1v 10.61 10.51 = 10.56 0~~4~~5 05
10.51 v3l 10.81

[[margin]]

 Edge of plate. Images very poor

[[/margin]]

I 17496, March 10, 1897
10.51 h1v 10.61 10.51 = 10.56 05 05
10.51 v 3 l 10.81

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[[preprinted]] 10 [[/preprinted]]

November 3, 1903

"13, 1903" Ceraski Cont.

I 17105, Jan. 18, 1897

10.13 g2v 10.33 10.31 = 10.32 01 01
10.31 v2h 10.51

I 14724, March 27, 1896

10.51 h1v 10.61 10.51 = 10.56 0~~5~~ 0505
10.51 v3 ~~k~~ 10.81

I 14631, March 10, 1896

Focus plate- too poor

I 14536, Feb. 25, 1896

Useless

[[margin]] Edge of plate [[/margin]]

I 14233, Jan. 3, 1896

10.51 h2v 10.71 10.71 = 10.7 ~~0~~ ~~0~~ ^{above}
line 1 ^{above line} 00 00
10.71 V11 10.81

I 12219 Jan. 17. 1895

Spectrum plate - Too faint in req. of Var

I 24681, March 3, 1900

Var. off plate

AC 2044 Dec. 4., 1901

10.13 g3v 10.43 10.29 = 10.46 ~~=~~ ~~03~~
03 03 10.49 v1K 10.59

See remark page 6

[[preprinted]] 11 [[/preprinted]]

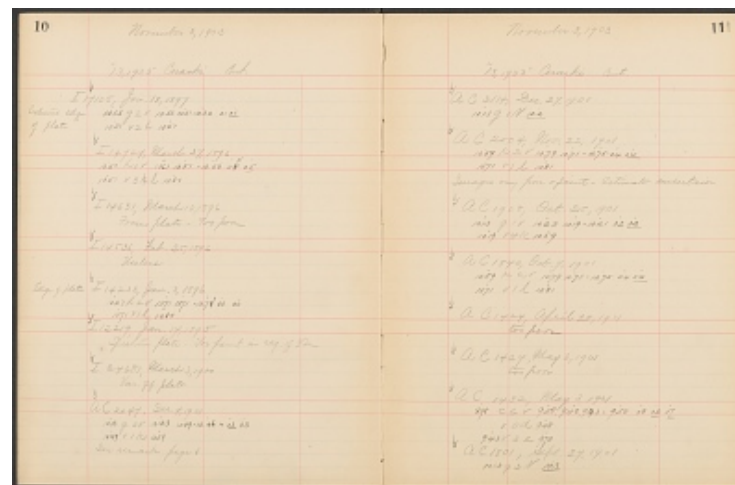
November 3, 1903

"13, 1903" Ceracki Cont.

AC 2114, Dec. 27, 1901 10.13 g1N 10.2

AC 2004, Nov. 22, 1901

10.59 k2v 10.79 10.71 = 10.75 04 04 10.71
v11 10.81 Image very poor & faint - Estimate uncertain



AC 1908, Oct. 25, 1901
10.13 g1v 10.23 1019 = 10.21 02 02 10.19
v4K 10.59

AC 1846, Oct. 7, 1901
10.59 k2v 10.79 10.71 = 10.75 04 04 10.71
v1l 10.81

AC 1424, April 28, 1901
too poor

AC 1427, May 3, 1901
too poor

AC 1432, May 3, 1901
8.98 C6v 9.58 9.48 9.43 = 9.50 08 02 07 v0d
9.48
9.43 v3l 9.73

AC 1801, Sept. 27, 1901
10.13 g2N 10.3

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"13, 1903" Ceraski Cont.

AC 1259, Feb. 18, 1901
9.48 d3v 9.78 9.63 = 9.70 08 07
9.63 v1e 9.73

AC 1320, March 6, 1901
10.59 k1v 10.69
l n.s.

AC 1337, March 14, 1901
10.13 g4v 10.53 10.59 = 10.56 03 03
v0k 10.59
l n.s.

AC 1201, Feb. 2, 1902
Too poor

[[margin]] Extreme edge [[/margin]]
AC 518, Nov. 12, 1899
10.59 k1N 10.6

[[margin]] Extreme edge [[/margin]]
AC 254, March 21, 1899
9.48 d1N 9.5

[[margin]] Edge of plate. Images poor. Est. uncertain [[/margin]]
AC 165, Jan. 18, 1899
10.59 k1v 10.69 10.51 = 10.60 09 09 09
10.51 v3l 10.81

AC 122, Dec. 15, 1898
9.73 e1v 9.83 9.75 = 9.79 04 04 04
9.75 v3f 10.05

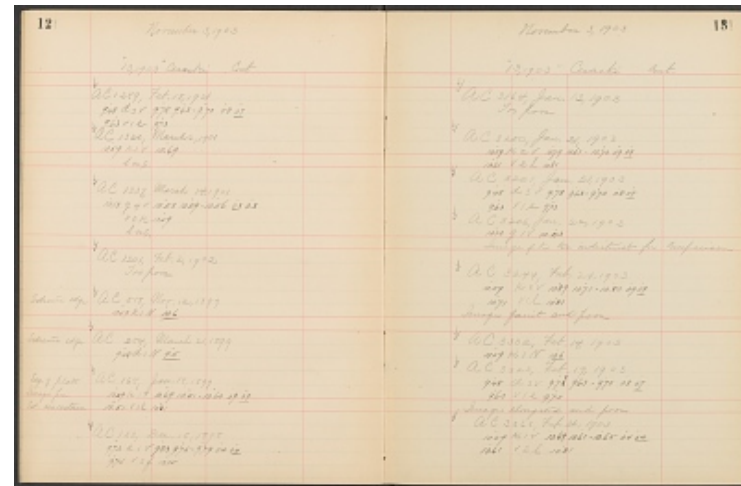
13

November 3, 1903"13, 1903" Ceraski cont.

AC 3164, Jan. 12, 1903
Too poor

AC 3200, Jan. 21, 1903
10.59 k2v 10.79 10.61 = 10.70 09 09 09
10.61 v2l 10.81

AC 3201, Jan. 21, 1903



9.48 d3v 9.78 9.63 = 9.70 08 07
9.63 vie 9.73

AC 3206, Jan. 22, 1903
10.13 g1v 10.23
Image of k too indistinct for comparison

AC 3244, Feb. 24, 1903
10.59 k3v 10.89 10.71 = 10.80 09 09
10.71 v1l 10.81
Images faint and poor

AC 3302, Feb. 14, 1903
10.59 k1N 10.6

AC 3323, Feb. 19, 1903
9.48 d3v 9.7 ~~3~~ 8 9.63 = 9.70 08
07
9.63 v1e 9.73
Images elongated and poor

AC 3363, Feb. 26, 1903
10.59 k1v 10.69 10.61 = 10.65 04 04
10.61 v2l 10.81

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[[preprinted]] 14 [[/preprinted]]
November 3, 1903
"13, 1903" Ceraski cont.

[[margin]] near edge [[/margin]]
AC 3226, Jan. 30, 1903
10.59 k2v 10.79 10.71 = 10.75 04 04 04
10.71 v1l 10.81

[[margin]] near edge [[/margin]]
AC 3242, Feb. 3, 1903
8.98 c3n 9.2 9.2

[[margin]] near edge Images very faint and poor [[/margin]]
AC 3328, Feb. 20, 1903
10.59 k1v 10.69 10.71 = 10.70 01 01 01
10.71 v1l 10.81

AC 3369, Feb. 28, 1903
10.13 g1n 10.2 10.2

[[margin]] images poor [[/margin]]
AC 3130, Dec. 31, 1902
10.13 g1v 10.23 10.39 = 10.31 08 08 08
10.39 v2k 10.59

[[margin]] near edge [[/margin]]
AC 3202, Jan. 21, 1903
Images much out of focus. v not separated from b

[[margin]] near edge [[/margin]]
AC 3233, Jan. 31, 1903
Focus too poor

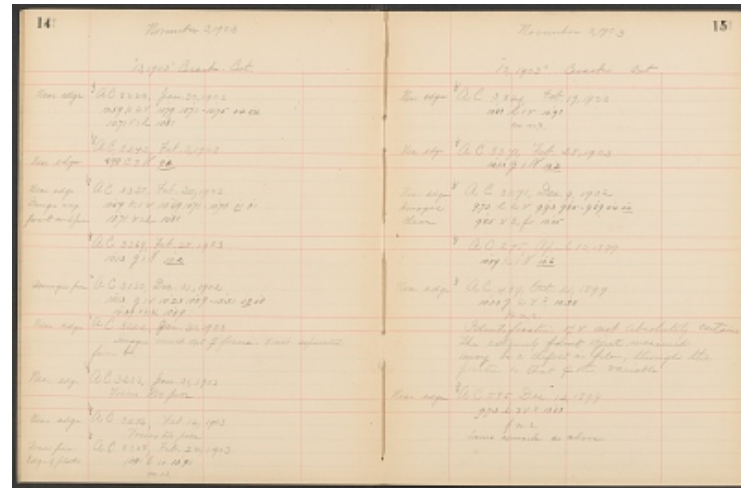
[[margin]] near edge [[/margin]]
AC 3286, Feb. 12, 1903
Focus too poor

[[margin]] Focus poor, edge of plate [[/margin]]
AC 3338, Feb. 22, 1903
10.81 b1v 10.91
m ns.
[[end page]]

[[new page]]
[[preprinted]] 15 [[/preprinted]]
November 3, 1903

"13, 1903" Ceraski cont.

[[margin]] near edge [[/margin]]
AC 3321, Feb. 19, 1903
10.81 l1v 10.91
m n.s.



[[margin]] near edge [[/margin]]
AC 3371, Feb. 28, 1903
10.13 g1n 10.2

[[margin]] near edge Images clear [[/margin]]
AC 3071, Dec. 9, 1902
9.73 l2v 9.93 9.85 = 9.89 04 04
9.85 v2f 10.05

AC 275, April 10, 1899
10.59 k1n 10.6

[[margin]] near edge [[/margin]]
AC 489, Oct. 21, 1899
10.13 g2v? 10.33
k n.s.
Identification of v not absolutely certain. The extremely faint object
measured may be a defect in film, though the position is that of the
variable.

[[margin]] near edge [[/margin]]
AC 585, Dec. 12, 1899
9.73 l3v? 10.03
f n.s.
Same remark as above

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November 3, 1903

"13, 1903" Ceraski cont.

near edge
AC 1051, Dec. 13, 1900
9.73 e1v 9.83 9.65 = 9.74 09 09
9.65 v4f 10.05

near edge Images very faint and poor
AC 1183 Jan. 29, 1901
10.59 k3v 10.89 10.71 = 10.80 09 09
10.71 v1l 10.81

near edge
AC 590, Dec. 13, 1899
Focus too poor

near edge Images poor
AC 634, Dec. 29, 1899
10.59 k1v 10.69
l n.s.

AC 1279, Feb. 22, 1901
Too poor in reg. of var.

AC 2253, Jan. 27, 1902
10.59 k2v 10.79 10.71 = 10.75 04 04
10.71 v1l 10.81

AC 2294, Feb. 7, 1902
9.73 l1v 9.83 9.75 = 9.79 04 04
9.75 v3f 10.05

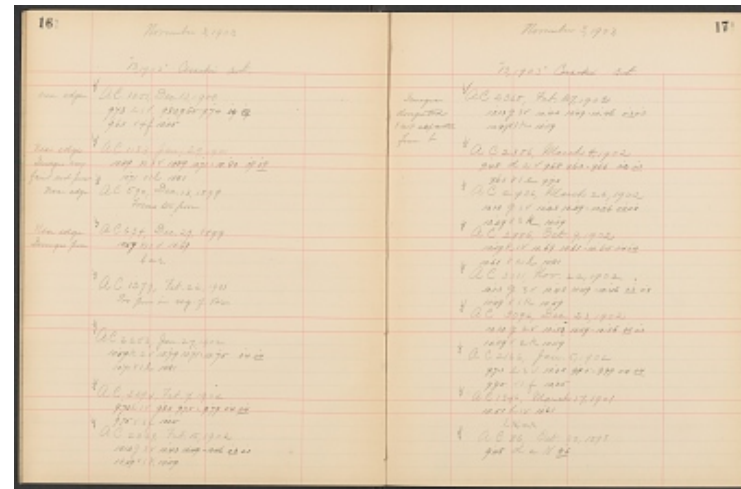
AC 2337, Feb. 15, 1902
10.13 g3v 10.43 10.49 = 10.46 03 03
10.49 v1k 10.59

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November 3, 1903
"13, 1903" Ceraski cont.

Images elongated & not separated from b
AC 2368, Feb. 27, 1902
10.13 g3v 10.43 10.49 = 10.46 03 03
10.49 v1k 10.59

AC 2386, March 4, 1902
9.48 d2v 9.68 9.63 = 9.66 02 03
9.63 v1e



AC 2436, March 26, 1902
10.13 g1v 10.23 10.29 = 10.26 03 03
10.29 v3k 10.59

AC 2886, Oct. 9, 1902
10.59 k1v 10.69 10.61 = 10.65 04 04
10.61 v2l 10.81

AC 3011, Nov. 22, 1902
10.13 g3v 10.43 10.49 = 10.46 03 03
10.49 v1k 10.59

AC 3096, Dec. 23, 1902
10.13 g2v 10.33 10.39 = 10.36 03 03
10.39 v2k 10.59

AC 2166, Jan. 5, 1902
9.73 l3v 10.03 9.95 = 9.99 04 04
9.95 v1f 10.05

AC 1346, March 17, 1901
10.51 h1v 10.61
l ~~[[strikethrough]]~~ k ~~[[/strikethrough]]~~ n.s.

AC 86, Oct. 30, 1898
9.48 d2n 9.6

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November 3, 1903

"13, 1903" Ceraski cont.

AC 2893, Oct. 10, 1902

10.13 g1v 10.23 10.29 = 10.26 03 03
10.29 v3k 10.59

AC 113, Dec. 8, 1898

Trails - too poor

AC 114, Dec. 8, 1898

Trails and poor focus. Too poor.

AC 200, Feb. 14, 1899

10.59 k2v 10.79 10.81 10.76 = 10.79 00 02 03
v0l 10.81
10.76 v3m 11.06

AC 257, March 24, 1899

9.48 d2v 9.68 9.53 = 9.60 08 07
9.53 v2e 9.73

AC 449, Sept. 17, 1899

Too poor in reg. of var.

[[margin]] v not separated from b [[/margin]]

AC 515, Nov. 10, 1899

9.48 d1v 9.58 9.53 = 9.56 02 03
9.53 v2e 9.73

AC 606, Dec. 16, 1899

Trails - too poor

AC 607, Dec. 16, 1899

Trails - too poor

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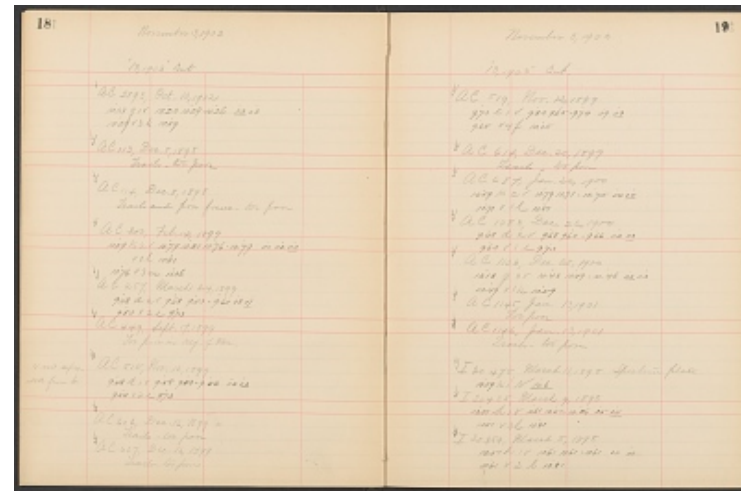
November 3, 1903

"13, 1903" cont.

AC 519, Nov. 12, 1899

9.73 e1v 9.83 9.65 = 9.74 09 09
9.65 v4f 10.05

AC 614, Dec. 20, 1899



Trails - too poor

AC 687, Jan. 22, 1900
10.59 k2v 10.79 10.71 = 10.75 04 04
10.71 v1l 10.81

AC 1083, Dec. 22, 1900
9.48 d2v 9.68 9.63 = 9.66 02 03
9.63 v1e 9.73

AC 1103, Dec. 28, 1900
10.13 g3v 10.43 10.49 = 10.46 03 03
10.49 v1k 10.59

AC 1145, Jan. 13, 1901
Too poor

AC 1146, Jan. 13, 1901
trails - too poor

I 20475, March 11, 1895 Spectrum plate
10.59 k1n 10.6

I 20435, March 9, 1898
10.51 h1v 10.61 10.51 = 10.56 05 05
10.51 v3l 10.81

I 20354, March 5, 1898
10.57 h1v 10.61 10.61 = 10.61 00 00
10.61 v2l 10.81

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"13, 1903" Continued

I 20702, April 18, 1898

9.73 I1v 9.83 9.75 = 9.79 04 04

9.75 v3f 10.05

~~I 20318, March 3, 1898~~ ~~Reg. not on plate~~

I 20353, March 5, 1898

10.13 g4v 10.53 10.51 10.61 = 10.55 02 04 06

v0h 10.51

10.61 v2l 10.81

I 21684, Nov. 11, 1898 Spectrum plate

10.81 I2n 11.0

~~I AC~~ ~~I 26207, Dec. 29, 1900~~

9.73 e3v 10.03 9.95 = 9.99 04 04

9.95 v1f 10.05

~~I AC~~ ~~I 26785, March 12, 1901~~

10.13 g3v 10.43 10.44 = 10.42 01 01

10.41 v1h 10.51

~~Edge of plate; Images poor~~

I 28064, Dec. 10, 1901

9.48 d3v 9.78 9.73 9.85 = 9.79 01 06 06

v0e 9.73

9.85 v ~~d~~ ~~2f 10.05~~

~~I 28095, Dec. 20, 1901~~ ~~Does not cover region~~

21

November 3, 1903

"13, 1903" Continued

I 28478, Feb. 12, 1902

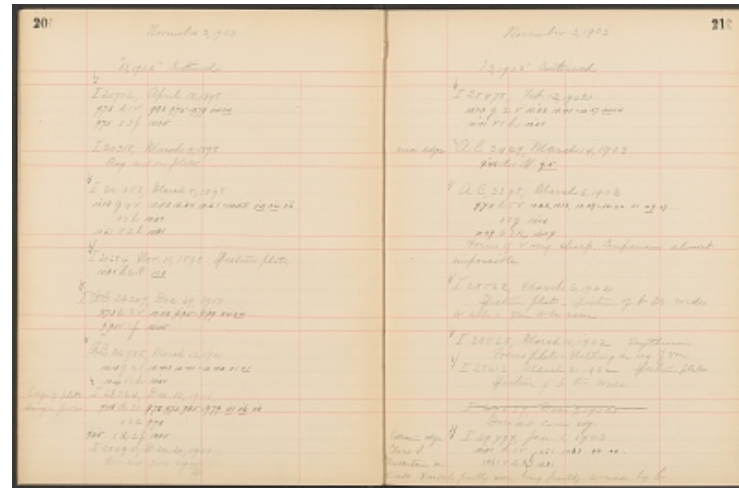
10.13 g2v 10.33 10.41 = 10.37 04 04

10.41 v1h 10.51

~~near edge~~

AC 3429, March 14, 1903

9.48 d1n 9.5



AC 3398, March 6, 1903
9.73 l5v 10.23, 10.13, 10.29 = 10.22 01 09 07
v0g 10.13
10.29 v3k 10.59
Focus of v very sharp. Comparison almost impossible.

I 28562, March 6, 1902
Spectrum plate. Spectrum of b too wide to allow var. to be seen.

I 28568, March 10, 1902 Erythrosin
Focus plate - nothing in reg. of var.

I 28613, March 31, 1902 Spectrum plate
Spectrum of b too wide.

~~I 29637, Dec. 7, 1902~~ Does not cover
reg.

[[margin]] Extreme edge; Class S. Uncertain estimate. v is only partly
seen, being partly covered by b [[/margin]]
I 29794, Jan. 1, 1903
10.51 h1v 10.61 10.61 00 00
10.61 v2 ~~k~~ I 10.81

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22

November 3, 1903

"13, 1903" Continued

~~Plate I 30078, Feb. 23, 1903~~ Reg. not on plate

~~I 30254, March 29, 1903~~ Reg. not on plate

I 27604, Sept. 26, 1901

9.73 ~~e3v~~ 10.03 9.95 = 9.99 04 04
9.95 v1f 10.05

I 27611, Sept. 26, 1901

10.13 g4v 10.53, 10.51, 10.61 = 10.5 ~~6~~
~~0~~ ~~3~~ ~~2 04 0~~ ~~5~~
~~v0h~~ 10.51
10.61 v2l 10.81

~~I 27884, Oct. 29, 1901~~ Reg. not on plate

I 21823, Nov. 28, 1898

10.51 h1v 10.61 10.81 10.76 = 10.73 12 08 03
v0l 10.81
10.76 v3m 11.06

~~Extreme edge of plate~~

~~I 2201~~ ~~3~~ ~~7, Dec. 23, 1898~~
10.13 g4v 10.53, 10.51 10.61 = 10.55 02 04 06
v0h 10.51
10.61 v2l 10.81

I 22027, Dec. 24, 1898

9.73 e1v 9.83 9.85 = 9.84 01 01
9.85 v2f 10.05

I 22080, Dec. 28, 1898

The moon. No stars in reg. of var.

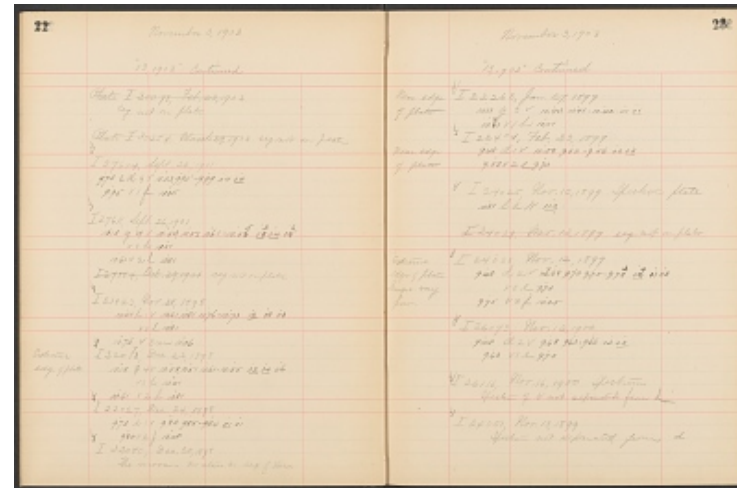
23

November 3, 1903

"13, 1903" Continued

~~Near edge of plate~~

I 22263, Jan. 27, 1899
10.13 g3v 10.43 10.41 = 10.42 01 01
10. ~~6~~ ~~41 v1h~~ 10.51



[[margin]] Near edge of plate [[/margin]]
I 22404, Feb. 23, 1899
9.48 d1v 10.58 9.53 = 9.56 02 03
9.53 v2e 9.73

I 24025, Nov. 10, 1899 Spectrum plate
10.81 l2n 11.0

~~[[/margin]] I 24029, Nov. 12, 1899 ~~[[/margin]]~~ Reg. not on
plate~~

[[margin]] Extreme edge of plate. Images very poor [[/margin]]
I 24033, Nov. 12, 1899
9.48 d2v ~~[[/margin]] 10 ~~[[/margin]]~~ 9.68 9.73 = 9.7~~
~~[[/margin]] 0 ~~[[/margin]]~~ 2 0 ~~[[/margin]]~~ 2~~
~~[[/margin]] 4 01 03~~
v0e 9.73
9.75 v3f 10.05

I 26073, Nov. 12, 1900
9.48 d2v 9.68 9.63 = 9.66 02 03
9.63 v1e 9.73

I 26116, Nov. 16, 1900 Spectrum
Spectrum of v not separate from d

I 24051, Nov. 13, 1899
Spectrum not separated from d

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[[preprinted]] 24 [[/preprinted]]

November 3, 1903

"13,1903" Continued

Plate AC 3283, Feb. 12, 1903
Reg not on plate

AC 3458 March 29, 1903
10.05 f1n 10.1

AC 3457, March 29, 1903
Too poor

AC 3456, March 29, 1903
10.13 g1v 10.23 10.49 = 10.36 01 01
9.95 v1f 10.05
Very uncertain images on the verge of invisibility

AC 3428, March 14, 1903
9.73 l2N 9.7

AC 2995 Nov. 14, 1902
too poor

[[margin]] near edge poor focus [[/margin]]
AC 3427, March 14, 1903
10.13 g1N 10.2

[[margin]] near edge poor focus [[/margin]]
AC 3421, March 13, 1903
9.73 l2N 9.9

[[margin]] Near edge [[/margin]]
AC 3432, March 15, 1903
Focus too poor
[end page]

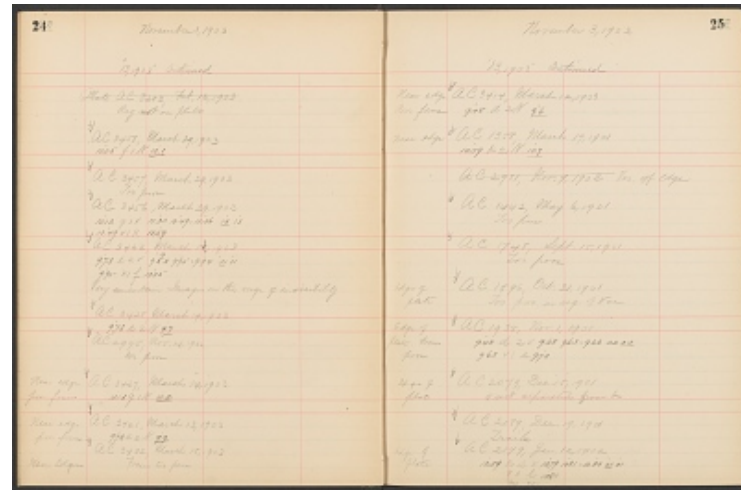
[[preprinted]] 25 [[/preprinted]]

November 3, 1903

"13,1903" Continued

[[margin]] near edge poor focus [[/margin]]
AC 3414, March 12, 1903
9.48 a2N 9.6

[[margin]] near edge [[/margin]]
AC 1358, March 19, 1901
10.59 k2N 10.7



~~AC 2981, Nov. 7, 1902~~ Var. off edge

AC 1442, May 6, 1901
Too poor

AC 1748, Sept. 15, 1901
Too poor

Edge of plate
AC 1896, Oct. 21, 1901
Too poor in seg. of Var

Edge of plate. Focus poor
AC 1938, Nov. 1, 1901
 $9.48 \text{ d}2\text{v } 9.68 \text{ } 9.63 = 9.66 \text{ } 02 \text{ } 03$
 $9.63 \text{ v}1\text{ } 9.73$

edge of plate
AC 2079, Dec. 15, 1901
v not separate from b

AC 2089, Dec. 19, 1901
Trails

Edge of plate
AC 2179, Jan. 12, 1902
 $10.59 \text{ k}2\text{v } 10.79 \text{ } 1081 = 10.80 \text{ } 01$
vol 10.81
m n

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November 3, 1903

"13, 1903" Ceraski cont.

AC 2213, Jan. 19, 1902
v not separated from b

[[margin]] Edges of plate. Images poor [[/margin]]
AC 2252, Jan. 27, 1902
10.59 k2v 10.79 10.71 = 10.75 04 04
10.71 v1l 10.81

AC 2263, Feb. 3, 1902
v not separate from b

[[margin]] Edges of plate Extremely uncertain - images on the verge of invisibility [[/margin]]
AC 2 ~~23~~ 234, Feb. 12, 1902
10.59 k3v? 10.89 10.81 = 10.85 04 04
v0l? 10.81
m n.s.

[[margin]] edge of plan same remark as above [[/margin]]
AC 2374, March 1, 1902
10.59 k3v? 10.69 10.61 = 10.65 04 04
10.61 v2l? 10.81

[[margin]] edges of plate gamma not entirely separated from b [[/margin]]
AC 2434, March 26, 1902
9.73 l2v 9.93 9.75 = 9.84 09 09
9.75 v3f 10.05

27

November 3, 1903

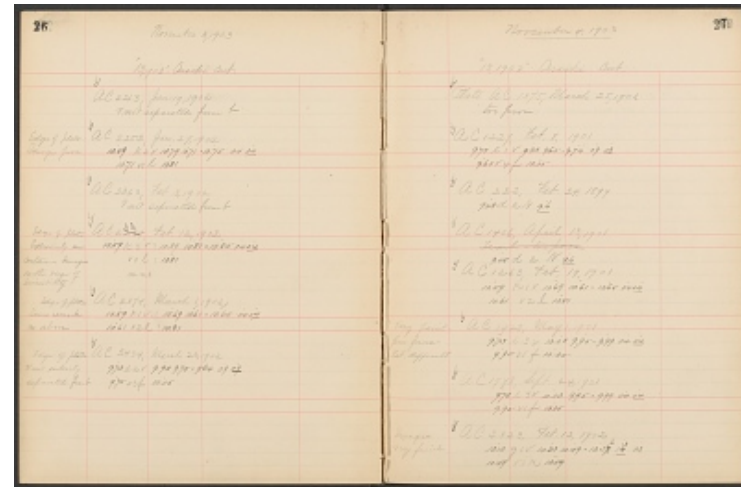
"13, 1903" Ceraski cont.

Plate AC 1375, March 25, 1901.
too poor

AC 1227, Feb. 8, 1901
9.73 l1v 9.83 9.65 = 9.74 09 09
9.65 v4f 10.05

AC 222, Feb. 24, 1899
9.48 d2N 9.6

AC 1406, April 13, 1901



~~Trails - image too poor~~
9.48 d2N 9.6

AC 1263, Feb. 19, 1901
10.59 k1v 10.69 10.61 = 10.65 04 04
10.61 v2l 10.81

Very faint. Poor focus - est. difficult
AC 1428, May 1, 1901
9.73 l3v 10.03 9.95 = 9.99 04 04
9.95 v1f 10.05

AC 1778, Sept. 24, 1901
9.73 l3v 10.03 9.95 = 9.99 04 04
9.95 v1f = 10.05

Images very faint AC 2323, Feb. 12, 1902
10.13 g1v 10.23 10.49 = 10.3 ~~7~~ ~~6~~
1 ~~4~~ ~~3~~ 13
10.49 v1k 10.59

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November 4, 1903

"13, 1903" Ceraski Court

AC 1830, Oct. 6, 1901

10.13 g2v 10.33 10.49 = 10.41 08 08
10.49 v1k 10.59

AC 2330, Feb. 14, 1902

10.59 k1v 10.69 10.61 = 10.65 04 04
10.61 v2l 10.81

AC 1902, Oct. 24, 1901

8.98 c1N 9.0

AC 1867, Oct. 15, 1901

9.48 d2v 9.68 9.63 = 9.66 02 03
9.63 vie 9.73

AC 2373, March 1, 1902

9.73 e2v 9.93

f n.s.

AC 1907, Oct. 25, 1901

9.48 d1v 9.58 9.63 = 9.60 02 03
9.63 v1e 9.73

AC 2027, Nov. 30, 1901

10.59 k2v 10.79 10.71 = 10.75 04 04
1071 v1l 10.81

AC 2415, March 15, 1902

10.13 g2v 10.33 10.49 = 10.41 08 08
10.49 v1k 10.59

29

November 4, 1903

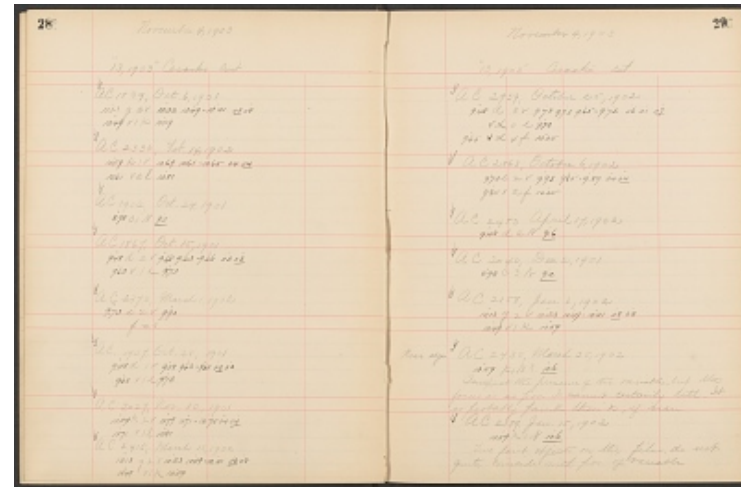
"13, 1903" Ceraski Court

AC 2939, October 25, 1902

9.48 d3v 9.78 9.73 9.65=9.72 06 01 07
~~v~~~~d~~~~0e~~ 9.73
9.65 ~~v~~~~d~~~~4f~~ 10.05

AC 2893, October 6, 1902

9.73 e2v 9.93 9.85 = 9.89 04 04
9.85 v2f 10.05



AC 2480 April 17, 1902
9.48 d2N 9.6

AC 2040, Dec. 2, 1902
8.98 C3N 9.2

AC 2158, Jan. 3, 1902
10.13 g2v 10.33 10.49 = 10.4108
10.49 v1k 10.59

Near edge AC 2430, March 25, 1902
10.59 k1n ? 10.6
I 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 2189, Jan. 15, 1902
10.59 k1N 10.6
Two faint objects on the film do not quite coincide with pos. of variable.

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November 4, 1903

"13, Ceraski" Cont.

AC 2275, Feb. 5, 1902
9.48 d3v 9.78 9.73 9.65 9.72 06 01 07
v03 9.73
9.65 v4f 10.05

AC 2427, March 24, 1902
8.98 c2n 9.1

AC 3002, Nov. 19, 1902
9.73 e1n 9.8

[[margin]] edge of plate [[/margin]]
AC 2988, Nov. 9, 1902
10.13 g2v 10.33 10.49 = 10.41 08 08
10.49 v1k 10.59

[[margin]] edge of plate [[/margin]]
AC 2894, Oct. 10, 1902
10.05 f1n? 10.1
The variable possibly be present, but must be fainter than f.

[[margin]] edge of plate [[/margin]]
AC 2486, April 18, 1902
9.48 d3v 9.78 9.73 = 9.76 02 03
v0e 9.73
f n.s. ~~10.0~~

[[margin]] edge of plate; v not separated from b [[/margin]]
AC 3023, Nov. 28, 1902
10.13 g1v 10.23 10.29 = 10.26 03 03
10.29 v3k 10.59

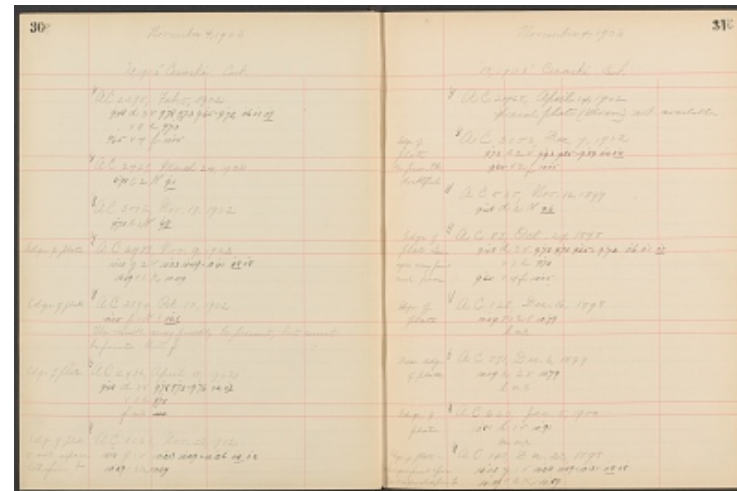
31

November 4, 1903

"13, 1903" Ceraski cont.

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

[[margin]] edge of plate; poor focus. Est. doubtful [[/margin]]
AC 3053, Dec. 7, 1902
9.73 e2v 9.93 9.85 = 9.89 04 04
9.85 v2f 10.05



AC 535, Nov. 16, 1899
9.48 d2n 9.6

[[margin]] edge of plate; Images very faint and poor [[/margin]]
AC 83, Oct. 27, 1898
9.48 d3v 9.78 9.73 9.65 = 9.72 06 01 07
v0e 9.73
9.65 v4f 10.05

[[margin]] edge of plate [[/margin]]
AC 128, Dec. 16, 1898
10.59 k2v 10.79
l n.s.

[[margin]] Near edge of plate [[/margin]]
AC 571, Dec. 6, 1899
10.59 k2v 10.79
l n.s.

[[margin]] edge of plate [[/margin]]
AC 660, Jan. 5, 1900
10.81 l1v 10.91
m n.s.

[[margin]] edge of plate; Images faint and poor. Var. not separated from
b [[/margin]]
AC 140, Dec. 23, 1898
10.13 g1v 10.23 10.39 = 10.31 08 08
10.39 v2k 10.59

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November 4, 1903

"13, 1903" Ceraski Cont.

Edge of plate. Images poor
AC 682, Jan. 21, 1900
10.13 g1v 10.23 10.49 = 10.36 13 13
10.49 v1k 10.59

AC 1042, Oct. 24, 1900
9.73 e1n 9.8

Edge of plate
AC 188, Feb. 2, 1899
Trails - too poor

Edge of plate AC 717, Feb. 18, 1900
9.73 e1n 9.8

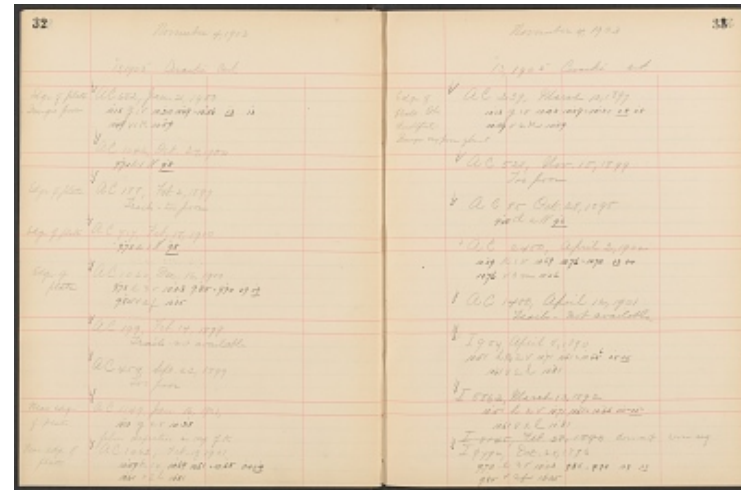
Edge of plate
AC 1060, Dec. 16, 1900
9.73 e3v 10.03 9.85 = 9.94 09 09
9.85 v2f 10.05

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

AC 454, Sept. 22, 1899
Too poor

Near edge of plate
AC 1149, Jan. 16, 1901
10.13 g2v 10.33
Film defective in reg. of k

Near edge of plate
AC 1262, Feb. 19, 1901
10.59 k1v 10.69 10.61 = 10.65 04 04
10.61 v2l 10.81



33

November 4, 1903

"13, 1903" Ceraski cont.

Edge of plate; obs. difficult. Images very poor and faint
AC 239, March 10, 1899

10.13 g1v 10.23 10.39 = 10.31 08 08
10.39 v2k 10.59

AC 528, Nov. 15, 1899
Too poor

AC 85, Oct. 28, 1898
9.48 d2n 9.6

AC 2450, April 2, 1902
10.59 k1v 10.69 10.76 = 10.72 03 04
10.76 v3m 11.06

AC 1400, April 12, 1901
Trails - not available

I 954, April 5, 1890
10.51 ~~[[/strikethrough]]~~ k ~~[[/strikethrough]]~~ h2v 10.71 10.61 = 10.6
~~[[/strikethrough]]~~ 5 ~~[[/strikethrough]]~~ 6 05 05
10.61 v2l 10.81

I 5862, March 13, 1892
10.51 h2v 10.71 10.61 = 10.66 05 05
10.61 v2l 10.81

~~[[/strikethrough]]~~ I 8145, Feb. 28, 1893 ~~[[/strikethrough]]~~ Does not cover
reg.

I 9792, Oct. 23, 1893
9.73 e3v 10.03 9.85 = 9.94 09 09
9.85 v2f 10.05

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November 4, 1898

"13, 1903" Ceraski Cont

I 9998, Nov. 22, 1893

10.13 g4v 10.53

Film unclear in regions of h and k

~~I 10151, Dec. 10, 1893~~ reg. not on plate

I 20313, March 3, 1898

Too poor

I 20314, March 3, 1898

Too poor

I 20259, Feb. 24, 1898

Spectrum plate - too poor

I 20043, Jan. 16, 1898

10.13 ~~f~~ g2v? 10.33

k off edge. h not separated from star following spectrum of v continuous with that of d

I 26220, Dec. 11, 1900

10.59 k2v 10.79, 10.81, 10.56 = 10.72 07 09 16

10.81

vol 10.81

10.56 v5m 1106

I 24943, March 24, 1900

10.59 k1v 10.69 10.71 = 10.70 01 01

10.71 v1l 10.81

Uncertain - Spectrum of v continues with that of b

35

November 4, 1898

"13, 1903" Ceraski Cont

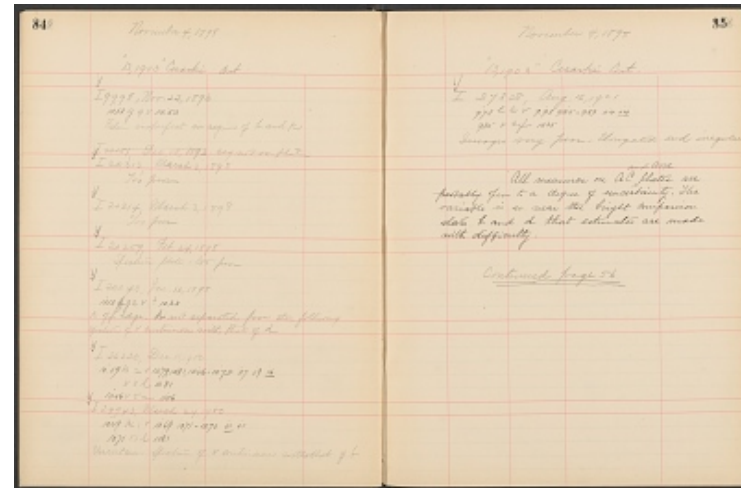
I 27328, Aug. 16, 1901

9.73 l2v 9.93 9.85 = 9.89 04 04

9.85 v2f 10.05

Images very poor - elongated and irregular

All measures on AC [^] [and AM] plates are ~~probably~~



~~]] open 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 [/[u]

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November 5, 1903

Sequence on I 22801

Suliger's Variable "10, 1903"
Estimates of brightness. For chart see Bk. 3, p. 193

AC 1512, June 6, 1901
d3n

Isoch.
AC 280, April 10, 1899 Isochromatic
e2n

AC 1022, Oct. 4, 1900
Too poor

Images poor and faint. Meas. uncertain
AC 879, June 9, 1900'd5v
v0e
v3f

AC 1496, June 3, 1901
d3n

AC 821, April 15, 1900
d1n

AC 2052, Dec. 5, 1901
k1n

AC 312, April 28, 1899
h1v

AC 2396, March 6, 1902
d1n

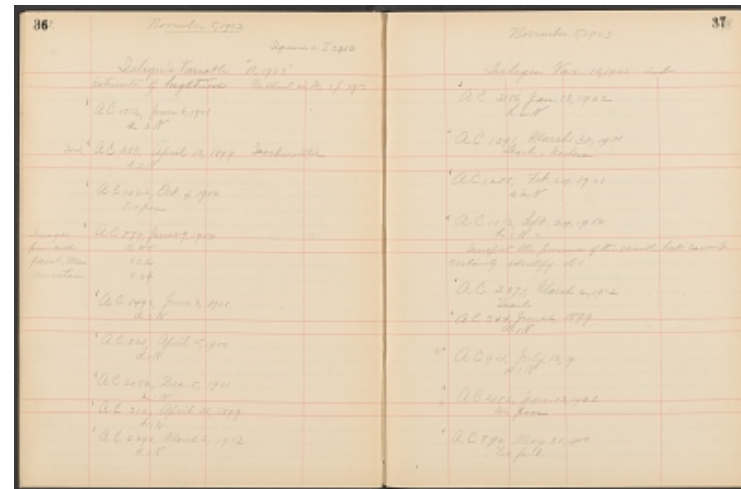
37

November 5, 1903

Suliger's Var. 10, 1903 cont.

AC 2186, Jan. 13, 1902
h2n

AC 1391, March 30, 1901
Trails - useless



AC 1288, feb. 24, 1901
a2n

AC 1013, Sept. 24, 1900
h1n?
I suspect the presence of the variable but cannot certainly identify it.

AC 2377, March 2, 1902
Trails

AC 344, June 6, 1899
d1n

AC 921, July 13, 19
d1n

AC 2182, Jan. 13, 1902
too poor

AC 870, May 31, 1900
Too faint.

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November 5, 1903

Suliger's Var. cont.

AC 727, Feb. 19, 1900
h1n

AC 466, Oct. 4, 1899
Too poor

AC 842, April 30, 1900
d2n

AC 797, April 5, 1900
k1n

AC 2170 too poor

AC 2069, Dec. 10, 1901
e2n

AC 2350, Feb. 19, 1902
too poor

AC 2209, Jan. 17, 1902
e1n

AC 2341, Feb. 15, 1902
g1n
h is nearly as bright as e on this plate. Focus sharp.

AC 1536, June 13, 1901
d1n

39

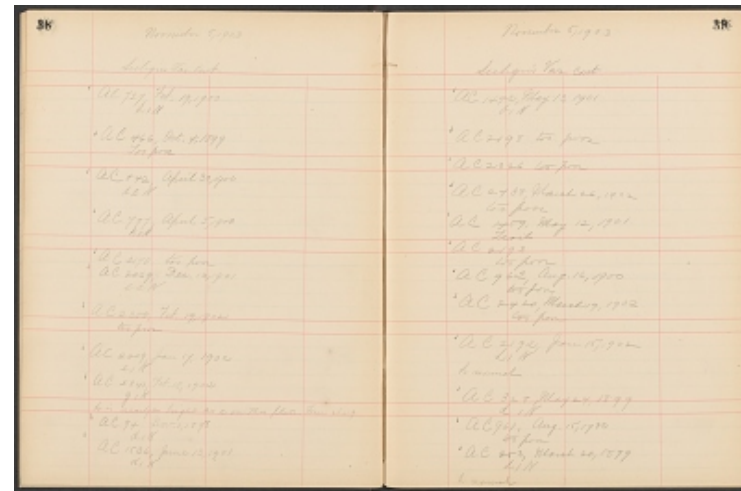
November 5, 1903

Suliger's Var. cont.

AC 1492, May 13, 1901
b1n

AC 2198 too poor

AC 2326 too poor



AC 2438, March 26, 1902
too poor

AC 1459, May 12, 1901
Trails

AC 2193 too poor

AC 962, Aug. 16, 1900
too poor

AC 2420, March 19, 1902
too poor

AC 2192, Jan. 15, 1902
h1n
h normal

AC 328, May 24, 1899
d1n

AC 961, Aug. 15, 1900
too poor

AC 253, March 20, 1899
h1n
h normal

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November 5, 1903

Suliger's Var. cont.

AC 1437, May 3, 1901
too poor

AC 1453, May 8, 1901
g1n
h brighter than e
d3h
h1e

AC 415, Sept, 5, 1899
too faint

AC 1521, June 10, 1901
h1n?
[[strikethrough]] Prescence of v suspected [[/strikethrough]] pos. not
right
h normal

AC 1268, Feb. 19, 1901
l1v
d4h
h1e [[strikethrough]] d4v
v1e
k2f [[/strikethrough]]

AC 2355, Feb. 20, 1902
e1n
h n.s.

AC 2061, Dec. 6, 1901
e1n

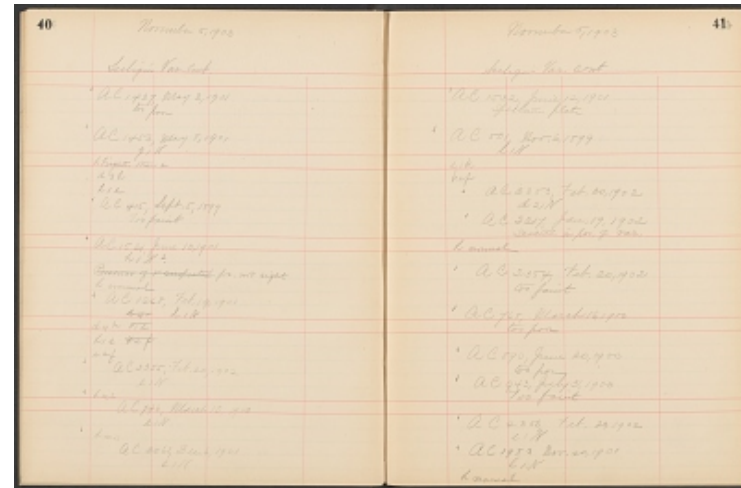
41

November 5, 1903

Suliger's Var. cont.

AC 1532, June 12, 1901
Spectrum plate

AC 501, Nov. 6, 1899
l1n
e1h
h2f



AC 2353, Feb. 20, 1902
d2n

AC 2217, Jan. 19, 1902
Scratch 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 31, 1900
Too faint

AC 2356, Feb. 20, 1902
e1n

AC 1903, Nov. 20, 1901
e1n
h normal

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November 5, 1903

Suliger's Var. 10, 1903 cont.

Plate AC 2316, Feb. 10, 1902

c2v

v1d

Images very faint but clear

~~AC 1660, Aug. 16, 1901~~

AC 2733, Aug. 9, 1902

d2v

AC 2653, June 28, 1902

g1n

AC 2635, June 19, 1902

d1n

AC 3631, May 13, 1903

b1n

AC 3646, May 18, 1903

d1n

AC 3689, May 26, 1903

d2n

AC 3739, June 30, 1903

e1n

AC 3751, April 29, 1903

too faint

AC 3594, May 6, 1903

too poor

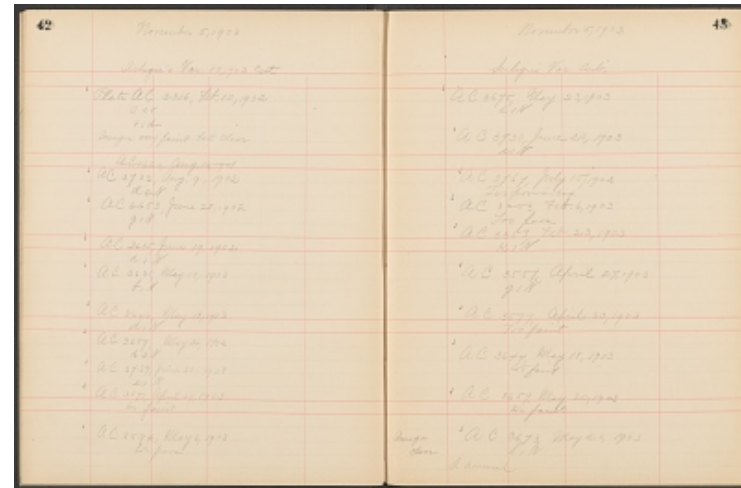
43

November 5, 1903

Suliger's Var. cont.

AC 3675, May 23, 1903

e1n



AC 3730, June 23, 1903
e1n

AC 3767, July 15, 1903
Too poor in reg.

AC 3253, Feb. 6, 1903
Too poor

AC 3353, Feb. 23, 1903
k1n

AC 3557, April 27, 1903
g1n

AC 3577, April 30, 1903
Too faint

AC 3644, May 18, 1903
too faint

AC 3657, May 20, 1903
too faint

[[margin]] Images clear [[/margin]]
AC 3673, May 23, 1903
l1n
h normal

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November 5, 1903

Suliger's Variable Cont.

AC 3696, May 28, 1903
h1n

AC 3712, June 1, 1903
d3n

AC 3335, Feb. 21, 1903
d3n

AC 3384, March 1, 1903
e1n

AC 3495, April 11, 1903
d2n

AC 1660, Aug. 16, 1901
d2n

AC 1688, Aug. 28, 1901
too poor

AC 1717, Sept. 6, 1901
Too near edge

AC 1723 too near edge
AC 1814 too near edge
AC 1849 too near edge

AC 133, Dec. 19, 1898
g1n

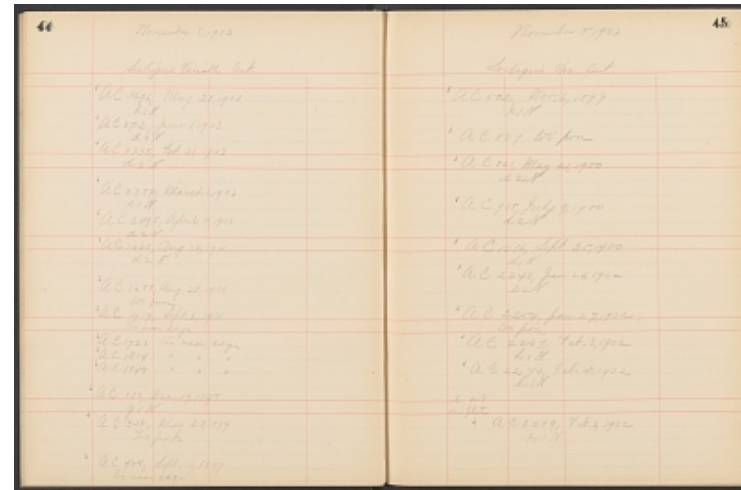
AC 326, May 23, 1899
Too poor

AC 425, Sept. 10, 1899
Too near edge

45

November 5, 1903

Suliger's Var. cont.



AC 502, Nov. 6, 1899
k1n

AC 837 too poor

AC 861, May 21, 1900
d2n

AC 918, July 9, 1900
d2n

AC 1016, Sept. 25, 1900 d1n

AC 2240, Jan. 24, 1902
e2n

AC 2254, Jan. 27, 1902
too poor

AC 2267, Feb. 3, 1902
h1n

AC 2270, Feb. 4, 1902
h1n
e not on plate

AC 2289, Feb. 1902
k1n

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48

November 5, 1903

Suliger's Var. cont.

AC 2299, Feb. 7, 1902
Too faint

AC 2302, Feb. 8, 1902
Too poor in reg.

AC 2305, Feb. 9, 1902
k1n

AC 3550, April 27, 1903
k1n

AC 3613, May 10, 1903
Too poor in reg.

AC 1926, Oct. 30, 1901
Too poor in reg.

AC 1940, Nov. 2, 1901
g1n

AC 2029, Dec. 1, 1901
k1n

AC 2036 Too poor
AC 2041 Too poor

AC 1645, Aug. 8, 1901
Too faint

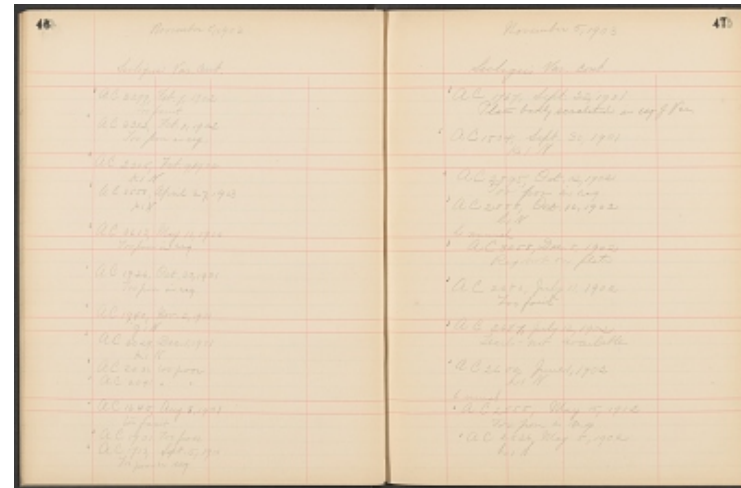
AC 1701 Too poor
AC 1713, Sept. 5, 1901
Too poor in reg.

47

November 5, 1903

Suliger's Var. cont.

AC 1767, Sept. 22, 1901
Plate badly scratched in reg. of var.



AC 1804, Sept. 30, 1901
k1n

AC 2895, Oct. 12, 1902
Too poor in reg.

AC 2888, Oct. 10, 1902
l1n
h normal

AC 3058, Dec. 8, 1902
Reg. not on plate

AC 2683, July 11, 1902
Too faint

AC 2687, July 12, 1902
Trails - not available

AC 2600, June 1, 1902
h1n
h normal

AC 2555, May 15, 1902
Too poor in reg.

AC 2526, May 5, 1902
h1n

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48

November 5, 1903

Suliger's Var. cont.

AC 2440, March 29, 1902
Too faint in reg.

AC 1862, Oct. 15, 1901
a2n

AC 2601, June 1, 1902
e1n

AC 2599, May 31, 1902
k1n
h normal

AC 2598, May 31, 1902
k2n

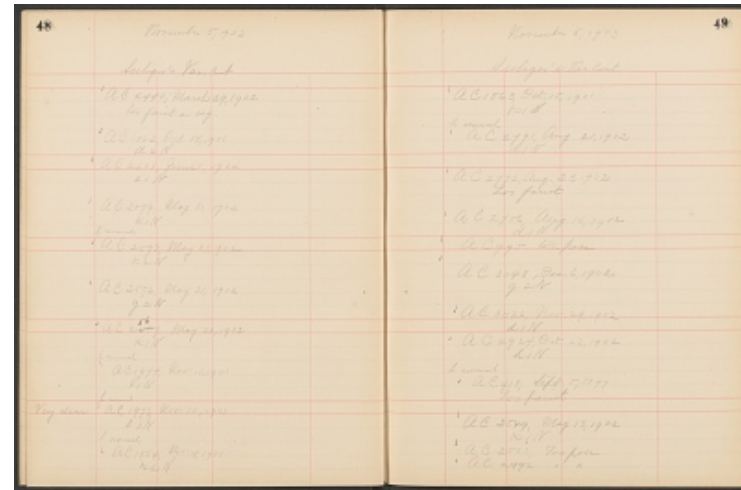
AC 2572, May 21, 1902
g2n

AC 2 ~~65~~ 567, May 20, 1902
k1n
h normal

AC 1974, Nov. 10, 1901
l1n

very clear
AC 1973, Nov. 10, 1901
l1n
h normal

AC 1954, Nov. 4, 1901
k2b



49

November 5, 1903

Suliger's Var. cont.

AC 1863, Oct. 15, 1901
k1n
h normal

AC 2791, Aug. 21, 1902
a1n

AC 2772, Aug. 23, 1902
Too faint

AC 2756, Aug. 16, 1902
d1n

AC 995, too poor

AC 3048, Dec. 6, 1902
g2n

AC 3026, Nov. 29, 1902
d1n

AC 2924, Oct. 22, 1902
h1n
h normal

AC 418, Sept. 5, 1899
Too faint

AC 2549, May 13, 1902
k1n

AC 2503, too poor
AC 2492 Too poor

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50

November 5, 1903

Suliger's Var. cont.

AC 2491, April 18, 1902
Too faint

AC 2349, Feb. 19, 1902
l1n

[[margin]] very clear images]]
AC 2014, Nov. 28, 1901
k4v
Im. of I defective
m n.s.

AC 2678, July 10, 1902
k1n

AC 2659, July 1, 1902
d2n

AC 2643, June 23, 1902
g2n

AC 2706, July 29, 1902
Too poor in reg.

AC 2688, July 12, 1902
Trails

AC 2804, Sept. 2, 1902 Isochromatic
Too faint

AC 2783, Aug. 27, 1902
d1n

51

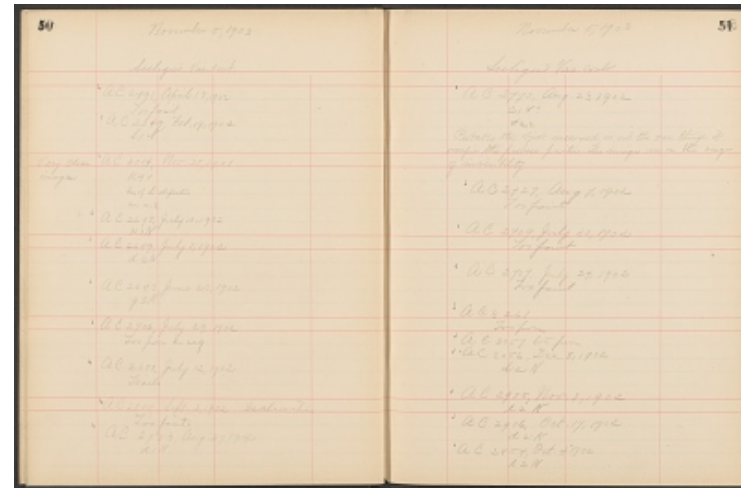
November 5, 1903

Suliger's Var. cont.

AC 2770, Aug. 23, 1902
c1v?

n n.s.

probably the object measured is not the var. though it occupies the
precise position. The images are on the verge of invisibility.



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 too poor

AC 3056, Dec. 8, 1902
d2n

AC 2985, Nov. 8, 1902
e2n

AC 2906, Oct. 17, 1902
d2n

AC 2854, Oct. 4, 1902
e2n

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52

November 5, 1903

Suliger's Var. cont.

AC 2831, Sept. 11, 1902
Trails

AC 2822, Sept. 7, 1902
e2n

AC 3713, June 1, 1903
Too faint

[[margin]] Extreme edge of plate [[/margin]]

AC 3683, May 25, 1903

e1n?

I suspect presence of var. but cannot certainly identify.

AC 3667, May 22, 1903
d2n

AC 3658, May 20, 1903
too faint.

AC 3564, April 28, 1903
d2n

[[margin]] extreme edge [[/margin]]

AC 3475, April 1, 1903

e1v?

f n.s.

Images extremely poor. Indent. of v not certain, low when superposed
on AC 2014

AC 2866, Oct. 7, 1902
h1n

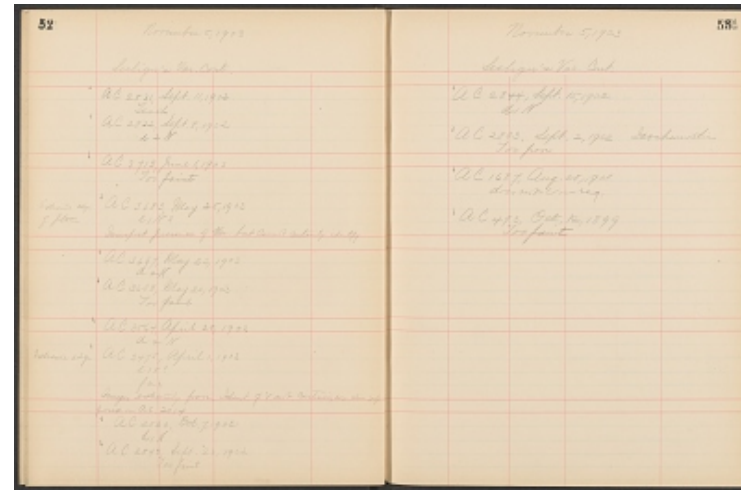
AC 2848, Sept. 23, 1902
Too faint.

53

November 5, 1903

Suliger's var. cont.

AC 2844, Sept. 15, 1902
d1n



AC 2803, Sept. 2, 1902 Isochromatic
Too poor

AC 1687, Aug. 28, 1901
does not cover reg.

AC 473, Oct. 12, 1899
Too faint

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54

November 6, 1903

Suliger's Variable Continued

Plate I 23069, June 21, 1899
l1n

I 18962, Sept. 21, 1897
o1n

near edge
I 1915, Sept. 25, 1897
o1n

Extreme edge of plate
I 20991, July 7, 1898
m1v
v2n

I 11329, Aug. 10, 1894
o1n

I 11354, Aug. 17, 1894
does not cover reg.

Extreme edge of plate
I 11551, Oct. 7, 1894
k2n

I 3755, June 23, 1891
o1n

~~I 29375, Oct. 2, 1902 Too near edge~~

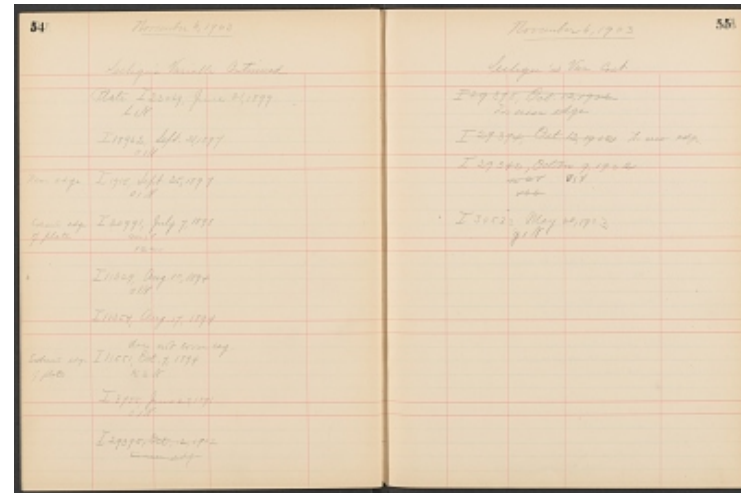
55

November 6, 1903

Suliger's Var. cont.

~~I 29378, Oct. 12, 1902 too near edge~~
~~I 29374, Oct. 12, 1902 too near edge~~

I 29340, October 9, 1902
~~n2v~~
~~v0o~~
o1v



I 30533, May 20, 1903
g1n

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56

November 6, 1903

Ceraski's Var. "13, 1903" cont. from p. 35

AM 1622, Oct. 8, 1902

9.73 e4v 10.13 9.95 = 10.04 09 09
9.95 v1f 10.05

AM 1127, Dec. 4, 1901

8.98 c2n 9.1

AM 231, Oct. 14, 1899

9.73 e4v 10.13 9.85 = 9.99 14 14
9.85 v2f 10.05

AM 283, Nov. 14, 1899

9.73 e3v 10.03 9.95 = 9.99 04 04
9.95 v1f 10.05

AM 246, Oct. 25, 1899

10.81 l1v 10.91 10.96 = 10.94 03 02
10.96 v1m 11.06

AM 434, April 11, 1900

10.81 l1v 10.91 10.96 = 10.94 03 02
10.96 v1m 11.06

AM 280, Nov. 13, 1899

10.59 k1v 10.69 10.61 = 10.65 04 04
10.61 v2l 10.81

AM 1166, April 1, 1902

9.73 e1n ~~9.73~~ 9.8

57

November 6, 1903

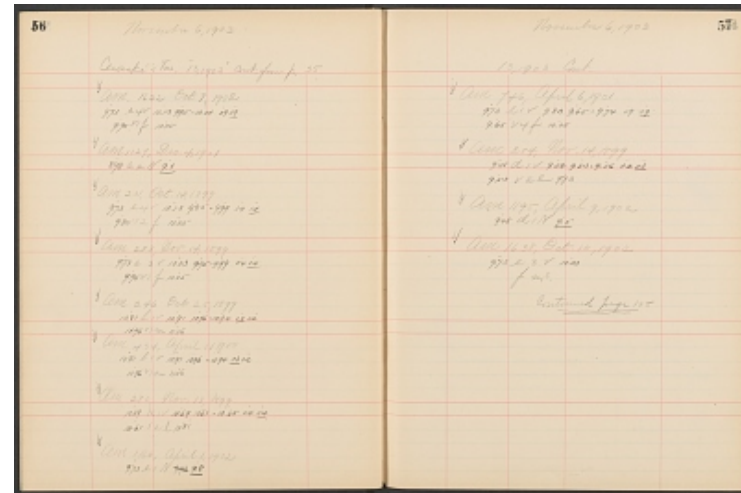
13, 1903 cont.

AM 746, April 6, 1901

9.73 e1v 9.83 9.65 = 9.74 09 09
9.65 v4f 10.05

AM 284, Nov. 14, 1899

9.48 d1v 9.58 9.53 = 9.56 02 03
9.53 v2e 9.73



AM 1195, April 9, 1902
9.48 d1n 9.5

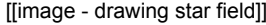
AM 1638, Oct. 10, 1902
9.73 e3v 10.03
f n.s.

Continued page 105

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[[preprinted]] 58 [[/preprinted]]

[[underlined]] November 24, 1903 [[/underlined]]

Suliger's Variable 1950 ~~4~~ ~~2~~ See book
3, p. 193
Marked on Plate D 9848
Contact from A 1726 

Estimates by Arglander's method

A 1726

n3o

o4p

p5q

q5r

r3s

s2t

71u

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

I 25966

n4o

o2p

p5q

q ~~r~~ ~~3r~~

s n.s.

Images faint

I 18921

n4o

o2p

p4q

[[end page]]

[[start page]]

[[preprinted]] 59 [[/preprinted]]

[[underlined]] December 5, 1903 [[/underlined]]

Suliger's Variable 185032 (191903)
faint Comparison stars continued

A 1726

n ~~4~~ ~~3o~~

o5p

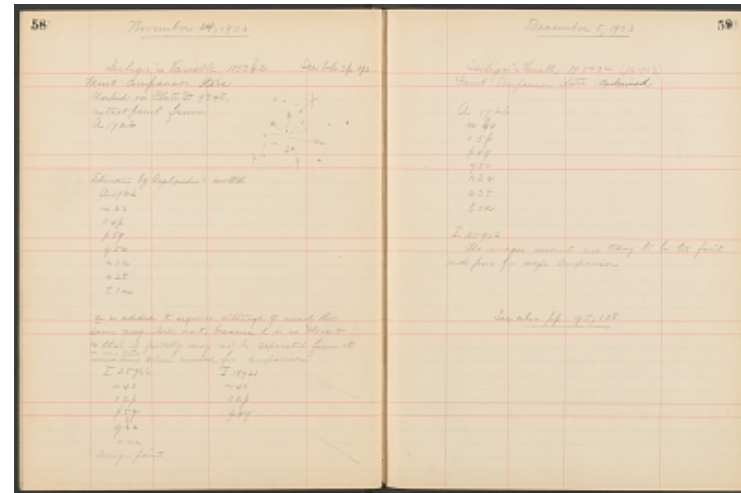
p4q

q5r

r2s

s3t

t0u



I 25966

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

See also pp. 95, 108

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60

December 16, 1903

Seq. on B ~~31293~~ 12574

Estimates of Brightness of Ceraski's Var. 071201 ("16, 1903") 7^h 10^m +1° 22' (1855) Monocer.

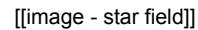


Plate B 31293, Jan. 17, 1903
q2n

B 12574, Nov. 13, 1894
c1v v2d

I 17462, March 4, 1897
m1v
v3n

B 25084, April 11, 1900
h1v
v3k

I 5860, March 13, 1892
o1n

I 14252, Jan. 5, 1896 Spectrum plate
b2n

I 13979, Dec. 2, 1895
Too near edge

I 2673, Dec. 29, 1890
k1n

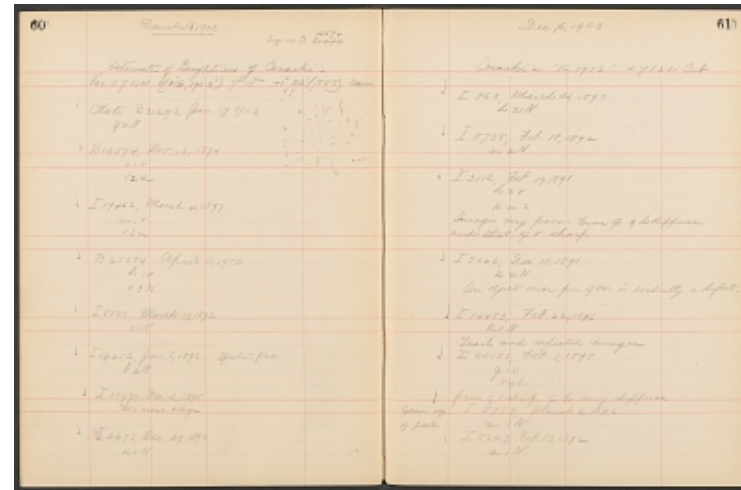
61

Dec. 16, 1903

Ceraski's "16, 1903" 071201 Cont.

I 863, March 21, 1890
h2n

I 5735, Feb. 18, 1892
m2n



I 3112, Feb. 19, 1891

h3v

k n.s.

Images very poor. Focus of ~~g~~ ~~h~~ diffuse,
and that of v sharp.

I 5046, Dec. 10, 1891

k2n

An object near pos. of var. is evidently a defect.

I 14483, Feb. 22, 1896

k1n

Trails and separated images.

I 20136, feb. 3, 1898

g1v

v4h

focus of v sharp, of h very diffuse

[[margin]] Extreme edge of plate [[/margin]]

I 5803, March 6, 1892

m1v

I 5627, Feb. 13, 1892

m1n

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62

December 16, 1903

Ceraski's Var. 071201 Cont.

[[margin]] Extreme edge of plate [[/margin]]

Plate I 16821, Dec. 17, 1896

v1d

b and c too near edge

I 19925, Jan. 3, 1898

Too poor

[[margin]] Extreme edge of plate [[/margin]]

I 5490, Jan. 31, 1892

h1n

[[margin]] Near edge of plate; images poor [[/margin]]

I 30366, April 25, 1903

g2v

v1h

[[margin]] Extreme edge of plate [[/margin]]

I 20402, March 8, 1898

h3v

v1k

I 28279, Jan. 17, 1902

o2n

[[margin]] Extreme edge of plate [[/margin]]

I 13956, Nov. 30, 1895

f1v

v3g

I 12093, Dec. 17, 1894

f4v

v0g

v3h

63

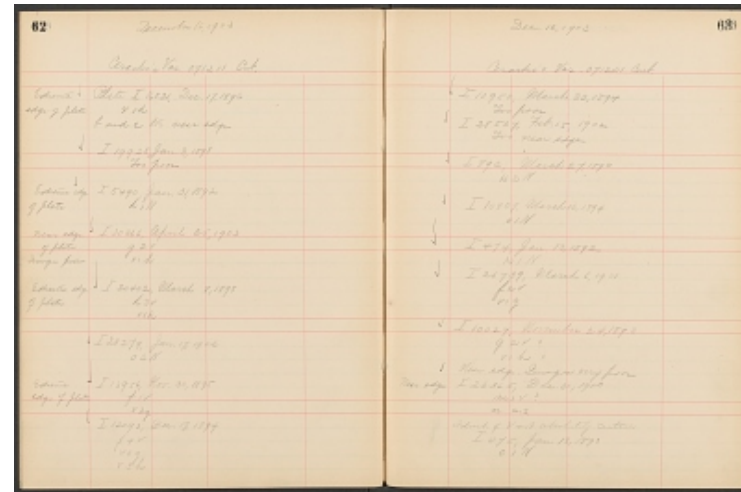
Dec. 16, 1903

Ceraski's Var. 071201 Cont.

I 10950, March 30, 1894

Too poor

I 28507, Feb. 15, 1902



Too near edge

I 892, March 27, 1890
k2n

I 10807, March 16, 1894
o1n

I 474, Jan. 13, 1892
k1n

I 26739, March 6, 1901
f2v
v1g

I 10027, November 24, 1893
g2v ?
v1h ?
Near edge. Images very poor

[[margin]] Near edge [[/margin]]
I 26365, Dec. 31, 1900
m1v ?
n n.s.
Ident. of v not absolutely certain

I 475, Jan. 13, 1890
o1n

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64

December 16, 1903

Ceraski's Var. 071201 Cont.

Plate I 322, Dec. 13, 1889
k1n

I 10685, Feb. 16, 1894
l2n

I 23836, Oct. 18, 1899
m1n

~~I 24927, March 23, 1900~~

I 26217, Dec. 11, 1900
o1n

I 10683, Feb. 16, 1894
h1n

I 250, Dec. 6, 1889
h1n

I 23878, Oct. 20, 1899
m1n

I 10467, Jan. 19, 1894
h1n

I 21626, Nov. 2, 1898
o1n

I 5057, Dec. 10, 1891
k1n

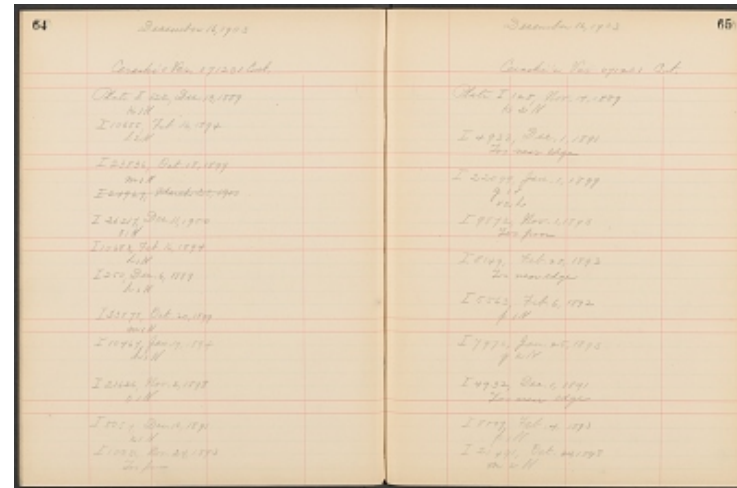
I 10031, Nov. 24, 1893
Too poor

65

December 16, 1903

Ceraski's var. 071201 Cont.

Plate I 128, Nov. 14, 1889
k2n



I 4933, Dec. 1, 1891
Too near edge

I 22099, Jan/ 1, 1899
g1v
v2h

I 9872, Nov. 1, 1893
Too poor

I 8149, Feb. 28, 1893
Too near edge

I 5563, Feb. 6, 1892
p1v

I 7970, Jan 25, 1893
g2n

I 4932, Dec. 1, 1891
Too near edge

I 8007, Feb. 4, 1893
p1n

I 21491, Oct. 24, 1898
m2n

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an Institution Transcription Center, Harvard-Smithsonian Center for Astrophysics

[[margin]] Extreme edge of plate [[/margin]]
B 12578, Nov. 13, 1894
c2v
v1d

B 8910, Spectrum plate
c1n

B 3040
n1n

[[margin]] focus poor [[/margin]]
B 2534
d3v
v1e

B 29005, Dec. 20, 1901
k1n

B 12677, Nov. 29, 1894 Spectrum
Too near edge

B 26672, Nov. 19, 1900
o2n

B 29490, Apr. 29, 1902
b1v v2c

B 15243, Dec. 21, 1895 Spectrum plate
g2v
v1h
Uncertain - spectrum faint.

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68

December 16, 1903

Ceraski's Var. 071201 Cont.
Plate B31414, April 15, 1903

h1N

B26874, Dec. 31, 1900

o2N

B12772, Dec. 19, 1894

Too near edge

B12392, Oct. 26, 1894 Spectrum

Too faint

B9000 Spectrum plate - too faint

B27055, April 6, 1901

d1v

v3l

B15013, Oct. 29, 1895

l2v

v2f

B9092 Spectrum plate

Too faint

B29003, Dec. 30, 1901

q1N

B29158, March 18, 1902

l2v

v2f

B14928, Oct. 23, 1895

l3v

v1f

69

December 16, 1903

Ceraski's Var 071201 Cont

B 31295, Jan. 17, 1903

o2N

B38781, Nov. 8, 1901

Too near edge

l 14986, Oct. 28, 1895

l1v

v2f

Edge of plate B12464, Nov. 9, 1894

c2v

v1d

] B29418, April 26, 1902

f1v

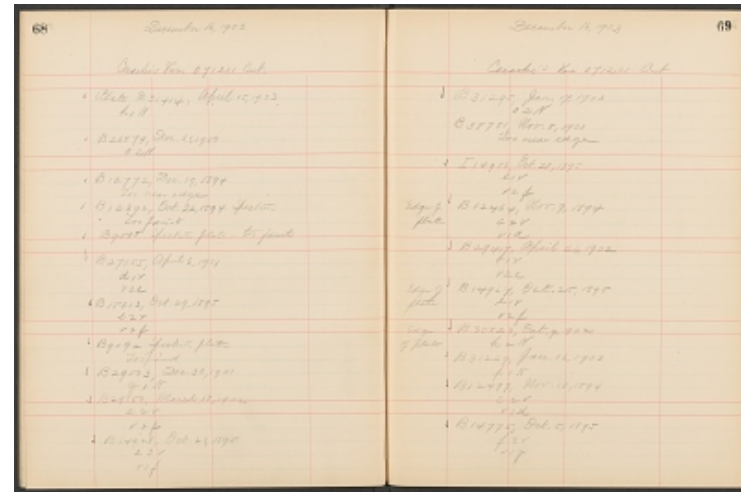
v2c

Edge of plate B14967, Oct. 25, 1895

l1v

v2f

Edge of plate B30823, Oct. 9, 1902



h2N
B31269, Jan. 16, 1903
p1N
B12497, Nov. 10, 1894
c2v
v1d
B14775, Oct. 5, 1895
f3v
v1g

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70

December 16, 1903

Ceraski's Var. 071201 Cont.

Plate B 29040, Dec. 28, 1901
p1n

B 12755, Dec. 17, 1894
Too near edge

71

December 17, 1903

Ceraski's Var. 071201 Cont.

Plate AC 2252, Jan. 27, 1902
h2v
k n.s.
v extremely faint. Obs. uncertain

AC 3023, Nov. 27, 1902
k1n

AC 1445, May 7, 1901
Too poor

AC 1338, March 14, 1901
Too poor

AC 3290, Feb. 13, 1903
f2n

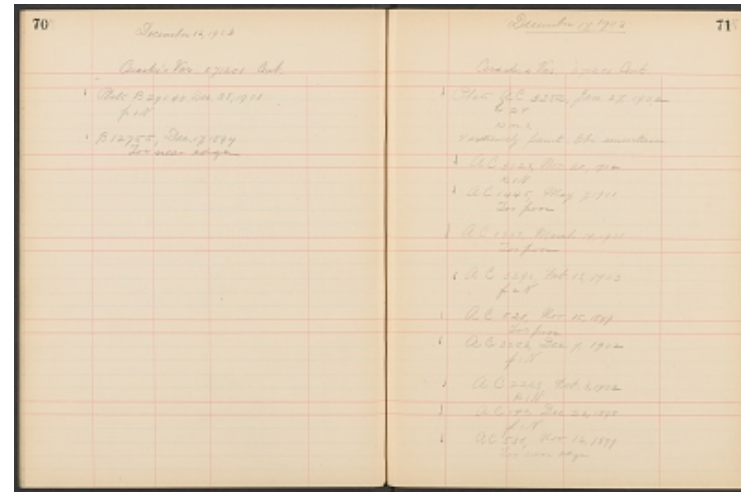
AC 528, Nov. 15, 1899
Too poor

AC 3053, Dec. 7, 1902
f1n

AC 2263, Feb. 3, 1902
k1n

AC 140, Dec. 23, 1898
f1n

AC 535, Nov. 16, 1899
Too near edge



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72

December 17, 1903

Ceraski's Var. 071201 Cont.

AC 3122, Dec. 30, 1902
m1N

AC 1903, Oct. 24, 1901
Too poor

AC 2324, Feb. 12, 1902
h1N

[[margin]] near edge; images poor [[/margin]]

AC 188, Feb. 2, 1899

a5v

v0b

v3c

AC 2901, Oct. 14, 1902
g1N

AC 1958, Nov. 5, 1901
h1N

[[margin]] near edge of plate [[/margin]]

AC 2374, March 1, 1902

h1v?

k n.s.

Images very faint and poor

[[margin]] Edge of plate; trails. Images poor [[/margin]]

AC 199, Feb. 14, 1899

b1v

v2c

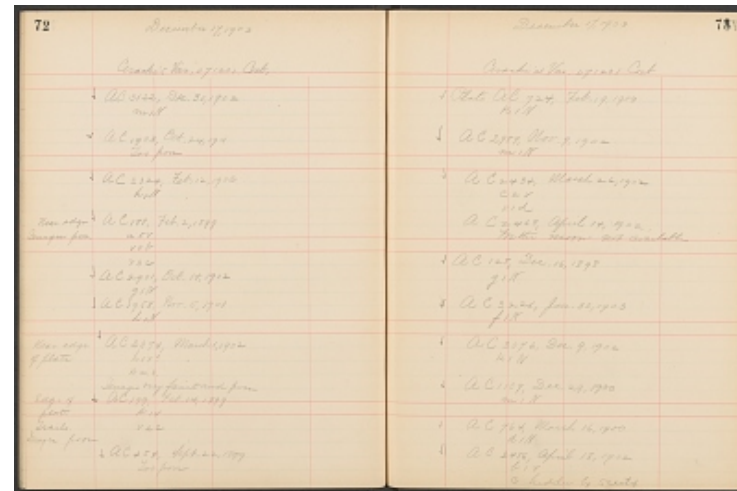
AC 454, Sept. 22, 1899
Too poor

73

December 17, 1903

Ceraski's Var. 071291 Cont.

Plate AC 724, Feb. 19, 1900
k1N



AC 2989, Nov. 9, 1902
m1N

AC 2434, March 26, 1902
c2v
v1d

AC 2468, April 14, 1902
For the Moon - not available

AC 128, Dec. 16, 1898
g1N

AC 3226, Jan. 30, 1903
f1N

AC 3072, Dec. 9, 1902
k1N

AC 1109, Dec. 29, 1900
m1N

AC 764, March 16, 1900
d1N

AC 2486, April 18, 1902
b1v
c hidden by scratch

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74

December 17, 1903

Ceraski's Var. 071201 Cont.

AC 2894, Oct. 10, 1902
e1N

AC 3242, Feb. 3, 1903
c1N

AC 3328, feb. 20, 1903
g2N

AC 3421, March 13, 1903
Too poor

AC 1217, Feb. 7, 1901
k1N

AC 1121, Jan. 2, 1901
d2N

AC 2988, Nov. 9, 1902
h2N

AC 3369, Feb. 28, 1903
d1N

AC 1418, April 27, 1901
c3v
v1d
Images faint and poor

AC 1336, March 7, 1901
Too poor

75

December 17, 1903

Ceraski's VAr. 071201

AC 3113, Dec. 28, 1902
m1N

AC 2205, Jan. 17, 1902
m1N

74	December 17, 1903	75	December 17, 1903
	<i>Ceraski's Var. 071201 Cont.</i>		<i>Ceraski's Var. 071201</i>
1	AC 2894, Oct. 10, 1902 e1N	1	AC 2894, Oct. 10, 1902 e1N
2	AC 3242, Feb. 3, 1903 c1N	2	AC 3242, Feb. 3, 1903 c1N
3	AC 3328, Feb. 20, 1903 g2N	3	AC 3328, Feb. 20, 1903 g2N
4	AC 3421, March 13, 1903 Too poor	4	AC 3421, March 13, 1903 Too poor
5	AC 1217, Feb. 7, 1901 k1N	5	AC 1217, Feb. 7, 1901 k1N
6	AC 1121, Jan. 2, 1901 d2N	6	AC 1121, Jan. 2, 1901 d2N
7	AC 2988, Nov. 9, 1902 h2N	7	AC 2988, Nov. 9, 1902 h2N
8	AC 3369, Feb. 28, 1903 d1N	8	AC 3369, Feb. 28, 1903 d1N
9	AC 1418, April 27, 1901 c3v v1d Images faint and poor	9	AC 1418, April 27, 1901 c3v v1d Images faint and poor
10	AC 1336, March 7, 1901 Too poor	10	AC 1336, March 7, 1901 Too poor

AC 2369, Feb. 27, 1902

h2N?

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

m1N

AC 3301, Feb. 14, 1903

f2N

AC 3185, Jan. 18, 1902

l1N

AC 1998, Nov. 21, 1901

m1N

AC 2119, Dec. 30, 1901

k1N

AC 2066, Dec. 6, 1901

l1N

AC 3440, March 19, 1903

d2N

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Extracted Dec-02-2022 11:32:39

76

December 17, 1903

Ceraski's Var. 071201 Cont.

AC 2494, April 19, 1902

a4v

v1b

AC 3545, April 25, 1903

d1v

v2e

Images very poor and faint

AC 3431, March 15, 1903

h2N

AC 2443, March 31, 1902

b2v

v1c

AC 3392, March 3, 1902

Too poor

AC 2391, March 6, 1902

h2v

v2k

AC 3313, Feb. 18, 1903

h1N

AC 2517, May, 2, 1902

c1v

v2d

AC 1896, Oct. 21, 1901

d1N

77

December 17, 1903

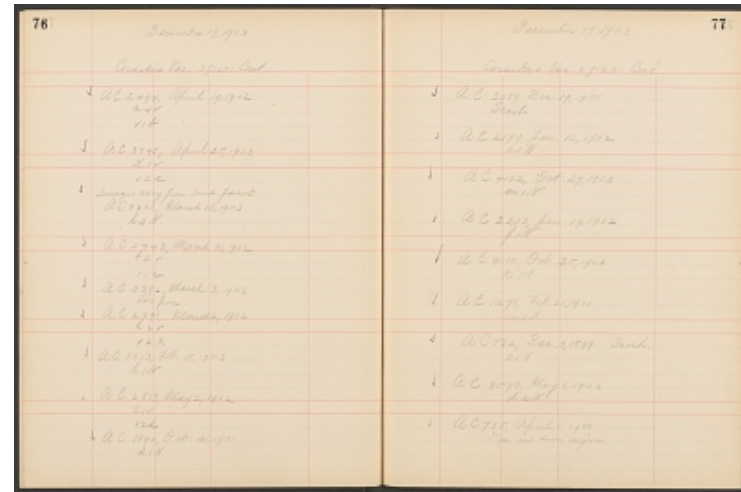
Ceraski's Var. 071201 Cont.

AC 2089, Dec. 19, 1901

Trails

AC 2179, Jan. 12, 1902

k1N



AC 4132, Oct. 29, 1903
m1N

AC 2213, Jan. 19, 1902
f1N

AC 4100, Oct. 25, 1903
k1N

AC 1271, Feb. 21, 1901
m1N

AC 562, Dec. 3, 1899 Isoch.
e1N

AC 3578, May 1, 1903
d2N

AC 785, April 1, 1900
Does not cover region.

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Extracted Dec-02-2022 11:32:39

78

December 17, 1903

Ceraski's Var. 071201 cont.

AC 513, Nov. 9, 1899
f2N

AC 191, Feb. 8, 1899
b1v
v2c
Trails and repeated images

AC 619, Dec. 24, 1899
e1N
Trails and repeated images

AC 1262, Feb. 19, 1901
l1N

AC 83, Oct. 27, 1898
Too poor in reg. of var.

AC 1149, Jan. 16, 1901
h1N

AC 1374, March 25, 1901
Too poor

AC 4271, Nov. 26, 1903
h2N

AC 682, Jan. 21, 1900
m1N

79

December 17, 1903

071201 cont.

AC 111, Dec. 8, 1898
g2N
Many repeated images

AC 1232, feb. 10, 1901
m1N

AC 660, Jan. 5, 1900

78	December 17, 1903	79	December 17, 1903
	Handwritten notes on page 78, including dates and astronomical observations.		Handwritten notes on page 79, including dates and astronomical observations.
	AC 513, Nov. 9, 1899		AC 513, Nov. 9, 1899
	AC 191, Feb. 8, 1899		AC 191, Feb. 8, 1899
	AC 619, Dec. 24, 1899		AC 619, Dec. 24, 1899
	AC 1262, Feb. 19, 1901		AC 1262, Feb. 19, 1901
	AC 83, Oct. 27, 1898		AC 83, Oct. 27, 1898
	AC 1149, Jan. 16, 1901		AC 1149, Jan. 16, 1901
	AC 1374, March 25, 1901		AC 1374, March 25, 1901
	AC 4271, Nov. 26, 1903		AC 4271, Nov. 26, 1903
	AC 682, Jan. 21, 1900		AC 682, Jan. 21, 1900

h1N

AC 571, Dec. 6, 1899
k1N

AC 717, feb. 18, 1900
e1N

AC 1042, Oct. 24, 1900
d2N

AC 1358, March 19, 1901
d2v
v2e

AC 1060, Dec. 16, 1900
m1N

AC 2079, Dec. 15, 1901
k1N

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80

December 17, 1903

Ceraski's Var. 071201 Cont.

AC 1442, May 6, 1901
Too poor

AC 1748, Sept. 15, 1901

AC 1938, Nov. 1, 1901
h1N

AC 3427, March 14, 1903
d1N

AC 4006, Sept. 28, 1903
l1N

AC 3470, April 1, 1903
Too poor

AC ~~3963~~, Sept. 21, 1903
g1N

AC 3533, April 2, 1903
d2N

AC 4072, Oct. 20, 1903
Trails

AC 3285, Feb. 12, 1903
c2N

81

Dec. 17, 1903

071201 cont.

Plate AC 2097, Dec. 21, 1901
e1N

AC 1253, Feb. 17, 1901
a2N

AC 3346, Feb. 23, 1903
e2N

AC 2104, Dec. 25, 1901
Too poor

AC 4232, Nov. 19, 1903
h1N

AC 3426, March 14, 1903
Too poor

AM 1737, Dec. 4, 1902
e1N

AM 1617, Oct. 17, 1902
f2N

AM 339, Dec. 2, 1899
f2N

AM 1637, Oct. 10, 1899
f1N

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Extracted Dec-02-2022 11:32:39

82

December 17, 1903

Ceraski's Var. 071201 Cont.

AM 1819, Feb. 19, 1903
h1n

AC 239, March 10, 1899
d1v
v3e
Images extremely faint and poor

AM 746, April 6, 1901
c3v
v0d
v4e

AM 1746, Dec. 6, 1902
f1n

AM 457, May 8, 1900
g3v
h not comparable
k n.o.

AM 1622, Oct. 8, 1902
f1n

AM 1847, May 18, 1903
d5v
v0e
v3f

83

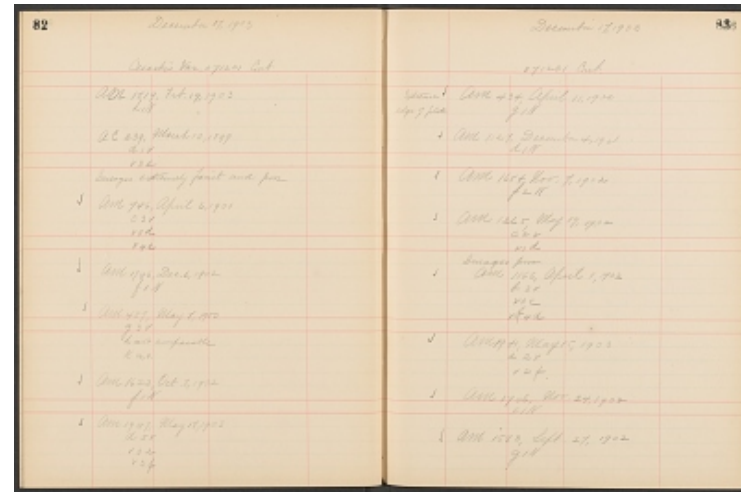
December 17, 1903

071201 Cont.

[[margin]] Extreme edge of plate [[/margin]]
AM 434, April 11, 1900
g1n

AM 1127, December 4, 1901
d1n

AM 1684, Nov. 7, 1902
f2n



AM 1265, May 19, 1902

c2v

v1d

images poor

AM 1166, April 1, 1902

b3v

v0c

[[~~striethrough~~]] b [[~~/striethrough~~]] v4d

AM 1941, May 15, 1903

e2v

v2f

AM 1706, Nov. 24, 1902

e1n

AM 1583, Sept. 27, 1902

g1n

Project PHaEDRA - Henrietta Swan Leavitt #55
Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:32:39

84

December 17, 1903

071201 Cont.

AM 1195, April 9, 1903

a4v

v1b

AM 374, Feb. 24, 1900

Too poor

AM 1254, May 16, 1902

c2v

v1d

AM 344, Dec. 4, 1899 Isochromatic

c2N

[[margin]] near edge [[/margin]]

AM 813, May 20, 1901

e1v

v3f

Images very poor. Obs. uncertain

AM 1114, Nov. 12, 1901

h2N

AM 262, Oct. 28, 1899

f1N

AM 406, April 3, 1900

f2N

85

December 17, 1903

071201 cont.

AM 1142, Dec. 28, 1901

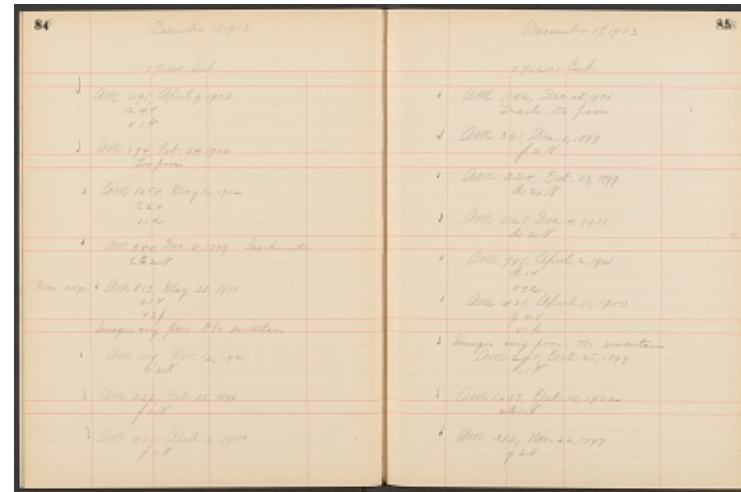
Trails. Too poor

AM 331, Dec. 1, 1899

f2N

AM 224, Oct. 13, 1899

d2N



AM 1125, Dec. 4, 1901
d2N

AM 747, April 6, 1901
d1v
v4e

AM 435, April 11, 1900
g2v
v1h
Images very poor, obs. uncertain

AM 245, Oct. 25, 1899
h1N

AM 1638, Oct. 10, 1902
[[~~strikethrough~~]] e [[~~strikethrough~~]] e1N

AM 312, Nov. 22, 1899
g2N

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86

December 17, 1903

071201 cont.

AC 2360, Feb. 23, 1902

f1v

g n.s.

Images very faint and poor. Obs. uncertain

AC 1400, April 12, 1901

Trails - Too poor

AM 271, Nov. 10, 1899

Too badly to be [??]

Class S A 4971, Jan. 12, 1901

k2N

A 3491, April 22, 1899

Reg. not on plate

A 245, Feb. 16, 1894

p2v

q n.s.

AC 112, Dec. 8, 1898

Missing

87

December 18, 1901

Plate AI 784, Feb. 20, 1903

e1N

AI 425, Oct. 25, 1902

d1N

AI 670, Jan. 23, 1903

d1N

AI 524, Dec. 8, 1902

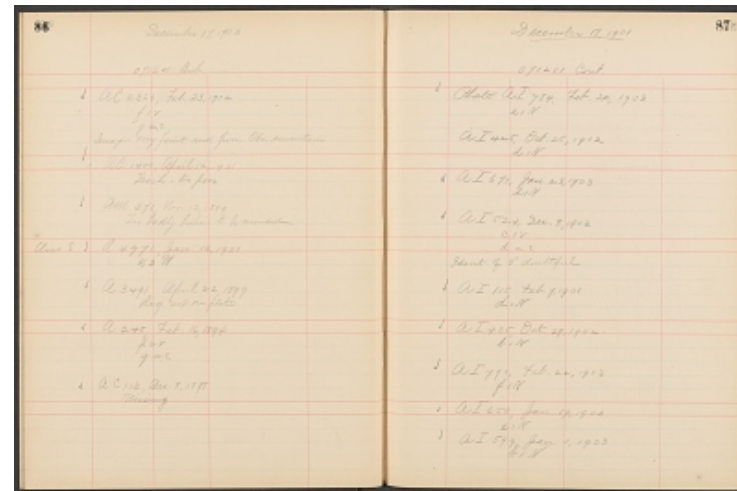
c1v

d n.s.

Ident. of v doubtful

AI 115, Feb. 7, 1901

d1N



AI 435, Oct. 29, 1902
b1N

AI 796, Feb. 22, 1903
f1N

AI 650, Jan. 19, 1903
e1N

AI 599, Jan. 1, 1903
b1N

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Extracted Dec-02-2022 11:32:39

88

December 18, 1903

Ceraski's Var. 071201 Cont.

AI 941, April 1, 1903
c1N

AI 116, Feb. 7, 1901
f1N

AI 444, Oct. 31, 1902
a3v?
v1b?
Ident. of v uncertain

AI 525, Dec. 8, 1902
f1N

AI 494, Nov. 28, 1902
d1N

AI 700, Feb. 5, 1903
d1N

AI 987, April 19, 1903
c1N

AI 803, Feb. 23, 1903
c1N

AI 124, Feb. 21, 1901
e1N

AI 572, Dec. 28, 1902
f1N

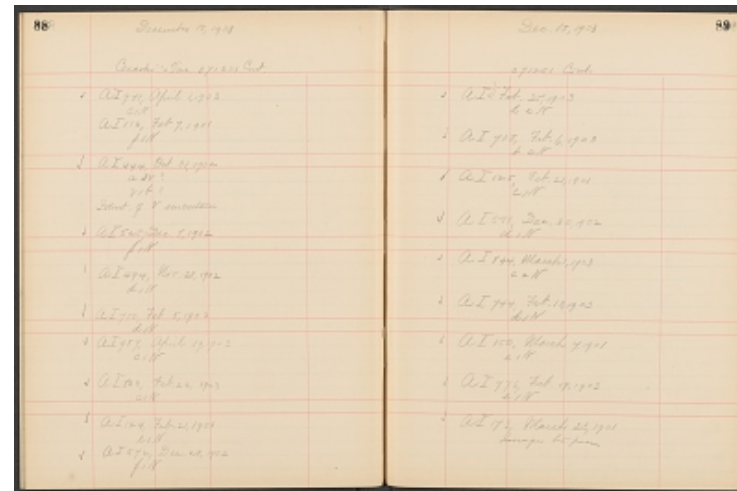
89

Dec. 18, 1903

071201 cont.

AI 820? Feb. 25, 1903
d2N

AI 708, Feb. 6, 1903
b2N



AI 125, Feb. 21, 1901
c1N

AI 581, Dec. 30, 1902
d1N

AI 844, March 1, 1903
c2N

AI 744, Feb. 13, 1903
d1N

AI 150, March 7, 1901
e1N

AI 776, Feb. 19, 1903
e1N

AI 173, March 23, 1901
Images too poor

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AC 712, Feb. 6, 1900
e2N

AC 3158, Jan. 10, 1903
Too poor

AC 3017, Nov. 23, 1902
g1N

AM ~~1663, Oct. 24, 1902~~ 1775, Dec. 26,
1902
b2N

AC 491, Oct. 21, 1899
f1N

AC 718, Feb. 18, 1900
f2N

AC 2204, Jan. 17, 1902
k1N

AC 1989, Nov. 20, 1901
h2N

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Transcribed and Reviewed by Digital Volunteers
Extracted Dec-02-2022 11:32:39

92

December 18, 1903

Ceraski's. 071201 Cont.

AC ~~1775~~, Dec. 26, 1902 ~~1663~~ Oct. 24,
1902
g1N

AC 512, Nov. 9, 1899
f2N

AC 2058, December 5, 1901
k1N

AM 246, Oct. 24, 1899
h2N

AC 4064, Oct. 19, 1903
f1N ~~[[might be j1N?]]~~

AC 2922, Oct. 21, 1902
f2N

~~[[margin]]~~ Edge of plate
Images poor ~~[[/margin]]~~
AC 2448, April 1, 1902
c1V
d n.s.
b and c appear equally bright

AM 231, Oct. 14, 1899
f1N

AC 4081, Oct. 21, 1903
e2N

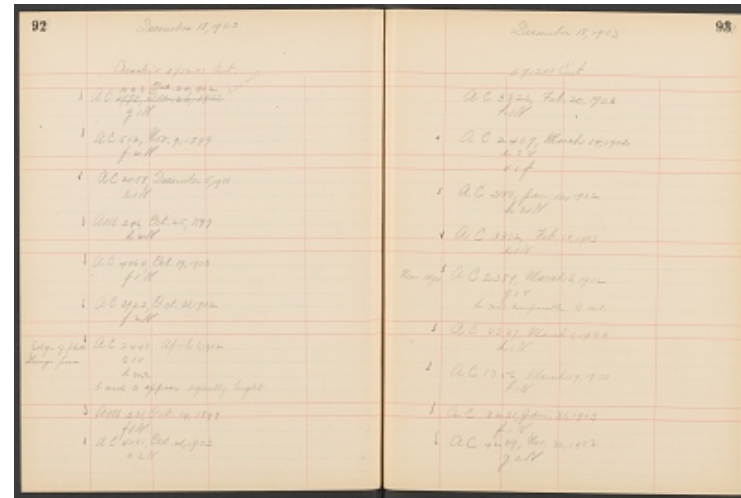
93

December 18, 1903

071201 Cont.

AC 3326, Feb. 20, 1903
h1N

AC 2407, March 14, 1902
e3V
v1f



AC 2180, Jan. 12, 1902
h2N

AC 3312, Feb. 18, 1903
e1N

[[margin]] Near edge [[/margin]]
AC 2389, March 6, 1902
g1V
h not comparable to n.s.

AC 3337, March 1, 1903
h1N

AC 1356, March 19, 1902
b1N

AC 3231, Jan. 31, 1903
f1N

Ac 4289, Nov. 30, 1903
g2N

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Extracted Dec-02-2022 11:32:39

94

December 18, 1903
Re-examination of two plates for Anderson's Var. "19, 1902" 215934

Edge of plate. Images very poor
l 15429, July 2, 1896
not separated from k
~~m1v~~
n n.s. ~~n.s.~~

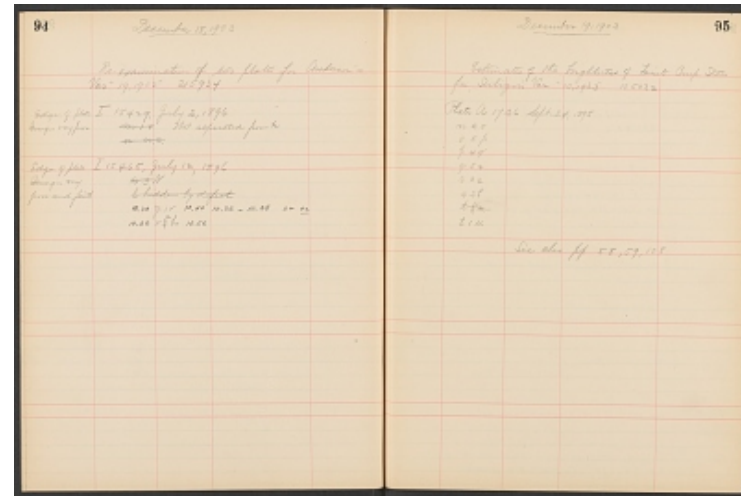
Edge of plate. Images very poor and faint
l 15465, July 12, 1896
~~k3N~~
l hidden by defect ~~l~~
10.30 g1v 10.40 10.36 = 10.38 02 02
10.36 v ~~3~~ 2h 10.56

95

December 19, 1903
Estimates of the brightness of Faint Comp. Stars for Suliger's Var. "10, 1903" 185032

Plate A 1726 Sept. 24, 1895
n2o
o5p
p4q
q5r
r3s
s2t
~~t6n~~
t1u

See also pp 58, 59, 108



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96

December 19, 1903

Ceraski's Var. "16, 1902"
Continued from BK 3 p.

Plate I 30770 Aug. 24, 1903
12.23 n1N 12.3

I 31051, Oct. 25, 1903
Reg. not on plate

I 31185, Nov. 24, 1903
9.62 c1V 9.782 9.64 = 9.68 04 04
9.64 V2d 9.84

I 31137 Nov. 14, 1903
9.62 c1V 9.72 9.64 = 9.68 04 04
9.64 V2d 9.84

I 1370, June 30, 1890
10.48 f1V 10.58 10.63 = 10.60 02 03
10.63 V2g 10.83

B 713 Spectrum plate; too poor

I 31166, Nov. 20, 1903
8.80 b ~~5~~ v 9.40 9.62 9.54 = 9.52
12 10 02
v0c
9.54 v3d

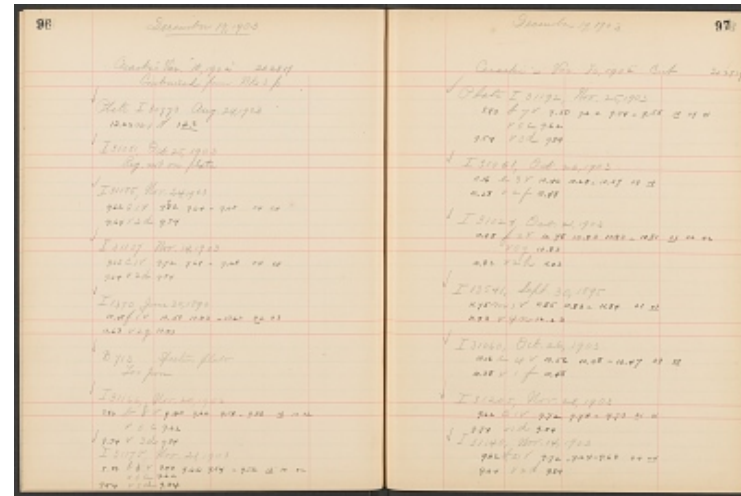
I 31175, Nov. 21, 1903
8.80 b6v 9.40 9.62 9.54 = 9.52 12 10 02
v0c 9.62
9.54 v3d 9.84

97

December 19, 1903

Ceraski's Var. "10, 1902" Cont. 202819

Plate I 31192, Nov. 25, 1903
8.80 b7v 9.50 9.62 9.54 = 9.55 05 07 01
v0c 9.62
9.54 v3d 9.84



I 31061, Oct. 26, 1903
10.16 e3v 10.46 10.28 = 10.37 09 09
10.28 v2f 10.48

I 31024 Oct. 21, 1903
10.48 f3v 10.78 10.83 10.83 = 10.81 03 02 02
v0g 10.83
10.83 v2h 11.03

I 13541, Sept. 30, 1895
11.75 m1v 11.85 11.83 = 11.84 01 01
11.83 v4n 12.23

I 31060, Oct. 26, 1903
10.16 e4v 10.56 10.38 = 10.47 09 09
10.38 v1f 10.48

I 31205, Nov. 28, 1903
9.62 c1v 9.72 9.74 = 9.73 01 01
9.74 v1d 9.84

I 31140, Nov. 14, 1903
9.62 ~~[[strikethrough]]~~ b ~~[[/strikethrough]]~~ c1v 9.72 9.64 = 9.68 04 04
9.64 v2d 9.84

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98

December 19, 1903

Ceraski's Var. 202817 Cont.

Images extremely faint. Ident. of v not certain
 I 29245, Sept. 8, 1902
 12.51 o2v 12.71
 p n.s.

I 31027, Oct. 21, 1903
 10.48 f3v 10.48 10.83 10.73 = 10.78 00 05 05
 v0g 10.83
 10.73 v3h 11.03

I 31157, Nov. 19, 1903
 8.80 b7v 9.50 9.62 9.64 = 9.59 09 03 05
 v0c 9.62
 9.64 v2d 9.84

I 31029, Oct. 21, 1903
 10.48 f3v 10.78 10.83 10.83 = 10.81 03 02 02
 v0g 10.83
 10.83 v2h 11.03

Near edge of plate. Images very poor
 AC 4293, Dec. 1, 1903
 9.84 d3v 10.14 10.06 = 10.10 04 04
 10.06 v1e 10.16

Near edge of plate
 AC 4149, Nov. 1, 1903
 9.84 d1v 9.94 9.86 = 9.90 04 04
 9.86 v3e 10.16

AC 425, Sept. 13, 1899
 10.16 e1v 10.26 10.28 = 10.27 01 01
 10.28 v2f 10.48

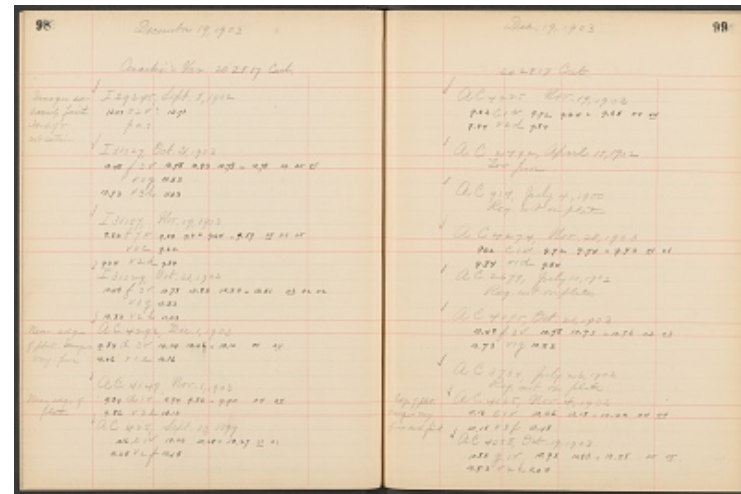
99

Dec. 19, 1903

202817 cont.

AC 4225, Nov. 19, 1903
 9.62 c1v 9.72 9.64 = 9.68 04 04
 9.64 v2d 9.84

AC 2492, April 18, 1902



Too poor

AC 914, July 4, 1900
Reg. not on plate

AC 4274, Nov. 28, 1903
9.62 c1v 9.72 9.74 = 9.73 01 01
9.74 v1d 9.84

AC 2679, July 10, 1902
Reg. not on plate

AC 4075, Oct. 21, 1903
10.48 f3v 10.78 10.73 = 10.76 02 03
10.73 v1g 10.83

AC 3784, July 26, 1903
Reg. not on plate

[[margin]] Edge of plate. Images faint and poor [[/margin]]
AC 4165, Nov. 4, 1903
10.16 e1v 10.26 10.18 = 10.22 04 04
10.18 v3f 10.48

AC 4058, Oct. 19, 1903
10.83 g1v 10.93 10.83 = 10.88 05 05
10.83 v2h 11.03

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100

December 19, 1903

Ceraski's var. 202817 Cont.

Plate AC 4256, Nov. 25, 1903

9.62 c3v 9.92 9. ~~9~~ ~~84~~ 9.66 = 9.81 11 03
15

v0d 9.84

9.66 v5e 10.16

A 4665, Sept. 11, 1900

Reg. not on plate

A 2003, Aug. 17, 1896

Reg. not on plate

The following plates do not cover region

B 694 I 23579

B 733 I 16134

B 718 I 1469

B 761

B 778

B 1487

B 1490

B 1612

B 1635

B 2858

B 2910

B 2951

AC 366 Class C

AC 2607 Class C

I 18929

I 26098

101

December 19, 1903

202817 Cont.

Plate B 1706 Spectrum plate

Too poor

I 31158, Nov. 19, 1903 Spectrum plate

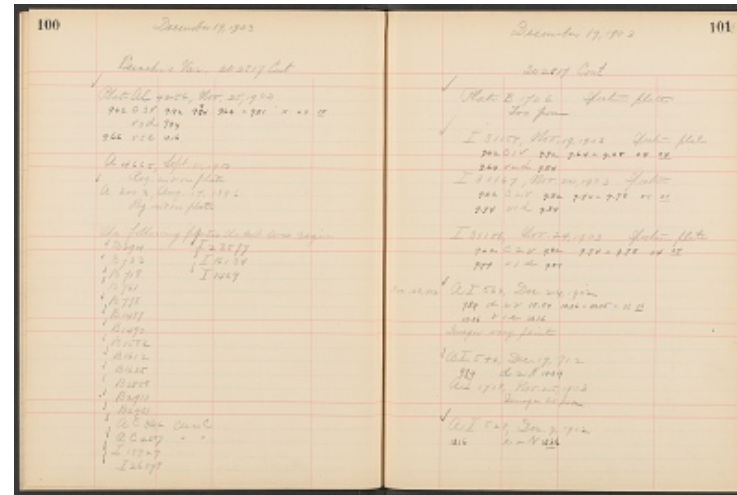
9.62 c1v 9.72 9.64 = 9.68 04 04

9.64 v2d 9.84

I 31167, Nov. 20, 1903 Spectrum

9.62 c2v 9.82 9.74 = 9.78 04 04

9.74 v1d 9.84



I 31186, Nov. 24, 1903 Spectrum plate
9.62 c2v 9.82 9.74 = 9.78 04 04
9.74 v1d 9.84

[[margin]] Dec. 22, 1903 [[/margin]]
AI 560, Dec. 24, 1902
9.84 d2v 10.04 10.06 = 10.05 = 01 01
10.06 v1e 10.16
Images very faint

AI 544, Dec. 19, 1902
9.84 d2N 10.04

AI 1718, Nov. 25, 1903
Images too poor

AI 528, Dec. 9, 1902
10.16 e2N 10.36

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102

December 22, 1903

Ceraski's Var. "14, 1903" 065 ~~2~~ 530
Continued from Book 4, page 110

~~I 30216, March 25, 1903~~ Spectrum
plate
Too faint

I 29637, Dec. 7, 1902
10.28 c2N 10.4

I 26070, Nov. 12, 1900
10.58 d4v 10.98 10.73 = 10.85 13 12
10.73 v ~~0~~ ~~2e~~ 10.93

~~I 24683, March 3, 1900~~
Reg. not on plate

I 20318, March 3, 1898
Too poor

I 2930, Jan. 26, 1891
Too poor ~~I 2930~~

AC 4154, Nov. 1, 1903
10.28 c3v 10.58 10.48 = 10.53 05 05
10.48 v1d 10.58

AC 4072, Oct. 20, 1903
Trails

AC 4088, Oct. 22, 1903
Too poor

103

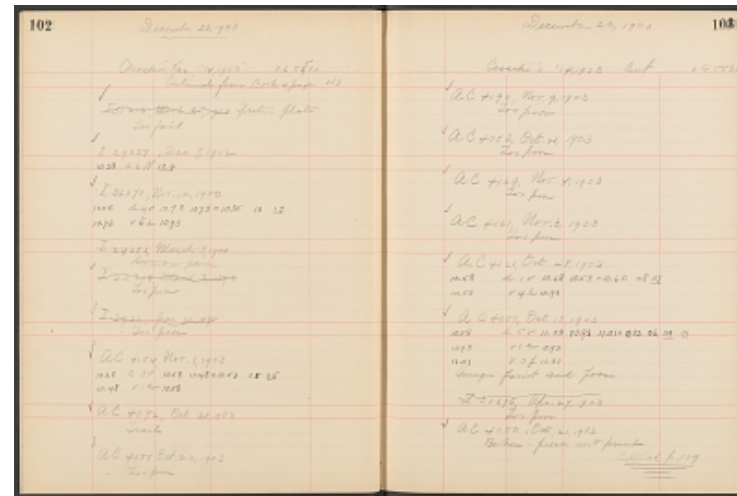
December 22, 1903

Ceraski's "14, 1903" Cont. 065530

AC 4190, Nov. 9, 1903
Too poor

AC 4082, Oct. 21, 1903
Too poor

AC 4169, Nov. 4, 1903



Too poor

AC 4161, Nov. 3, 1903
Too poor

AC 4121, Oct. 28, 1903
10.58 d1v 10.68 10.53 = 10.60 08 07
10.53 v4e 10.93

AC 4055, Oct. 18, 1903
10.58 d5v 11.08 11.01 = 11.02 06 09 01
10.93 v0e 10.93
11.01 v3f 11.31
Images faint and poor

~~[[strikethrough]] I 30376, Apr. 27, 1903~~
Too poor ~~[[/strikethrough]]~~

AC 4080, Oct. 21, 1903
Broken - pieces not found
Continued p. 109

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104

December 22, 1903

Ceraski's Var. "14, 1903" Cont. 065530

~~[[strikethrough]]~~ I 31088, Oct. 28, 1903 ~~[[/strikethrough]]~~

I 30394, April 29, 1903

Too near edge

~~[[strikethrough]]~~ I 30395, April 29, 1903

Too near edge ~~[[/strikethrough]]~~

~~[[strikethrough]]~~ B 2002 Spectrum plate ~~[[/strikethrough]]~~

B 2140, Spectrum plate

Too faint

B 1105, B 1111, B 228 Spectrum plates

Too poor

AC 2255 Class C

AC 2070 Class C

AC 1778, Sept. 24, 1901

10.28 c2N 10.48

I 191, Nov. 28, 1889

Reg. not on plate

AC 3414, March 12, 1903

Too poor

~~[[strikethrough]]~~ AC 113, Dec. 8, 1898

Too poor

AC 86, Oct. 30, 1898

Too poor ~~[[/strikethrough]]~~

105

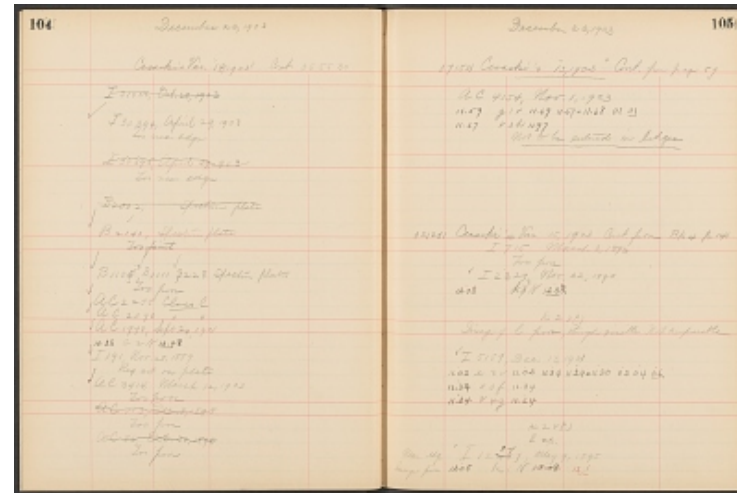
December 22, 1903

071531 Ceraski's "13, 1903" Cont. from page 57

AC 4154, Nov. 1, 1903

11.59 g1v 11.69 11.67 = 11.68 01 01

11.67 v3h 11.97



Not to be entered in ledger

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

I 715 March 3, 1895
Too poor

I 2329, Nov. 22, 1890
12.08 k 3N 12.38

k2v(?)
Image of I poor though visible. Not comparable.

I 5157, Dec. 13, 1901
11.02 e3v 11.32 11.34 11.24 = 11.30 02 04 06
11.34 vof 11.34
11.24 v4g 11.64

k2v (?)
I n.s.

Near edge; images poor
I 12 ~~48~~ 847, May 9, 1895
12.08 k1N ~~13.08~~ 12.1

Project PHaEDRA - Henrietta Swan Leavitt #55
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106

December 22, 1903

02181 Ceraski's 15, 1903 Cont.

I 13619, Oct. 2, 1895
Too poor

I 16644, Dec. 1, 1896
12.88 n2N 13.08
k2b(?)
(v?)2l

I 30908, Sept. 21, 1903
10.84 d1N 10.9

I 30911, Sept. 25, 1903
12.43 l1N 12.5
k3 (v?)
(v?)2l

I 30908, Sept. 21, 1903
10.84 d1N 10.9

I 30911, Sept. 25, 1903
12.43 l1N 12.5
k3 (v?)
(v?)1d

I 31138, Nov. 14, 1903
11.86 h2v 12.06 12.08 12.03 = 12.06 00 02 03
12.08 v0k 12.08
12.03 v4l 12.43
k2(v?)
(v?)2l

I 31141, Nov. 4, 1903
11.86 h2v 12.06 12.08 12.03 = 12.06 00 02 03
12.08 v0k 12.08
12.03 v4l 12.43

I 19561, Nov. 10, 1897
10.84 d1v 10.94 10.72 = 10.83 11 11
10.72 v3l 11.02

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December 22, 1903

12128 ceraski's "15, 1903" Cont.

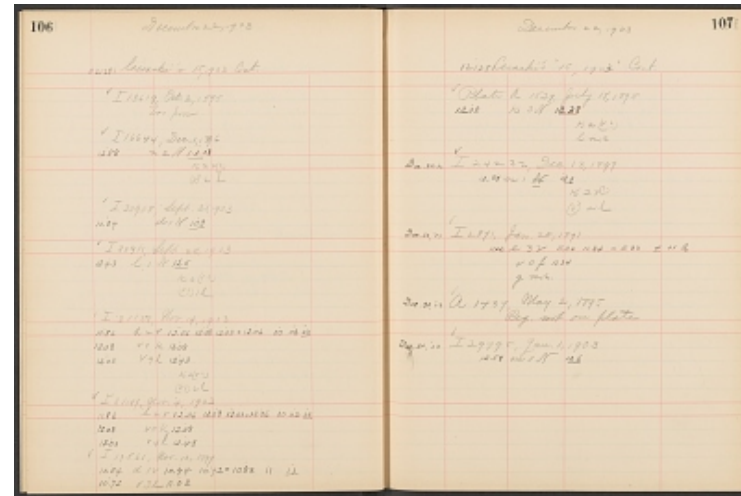


Plate A 1529, July 18, 1895
12.08 k3N 12.38
k2(v?)
l n.s.

[[margin]] Dec. 30, '03 [[/margin]]
l 24232, Dec. 13, 1899
12.88 n1N 12.9
k2v (?)
(v?) alpha l

[[margin]] Dec. 30, '03 [[/margin]]
l 2871, Jan. 20, 1891
11.02 e3v 11.02 11.34 = 11.33 01 01 A
v0f 11.34
g n.s.

[[margin]] Dec. 30, '03 [[/margin]]
A 1437, May 2, 1895
Reg. not on plate

[[margin]] Dec. 30, '03 [[/margin]]
l 29795, Jan. 1, 1903
12.58 m1N 12.6

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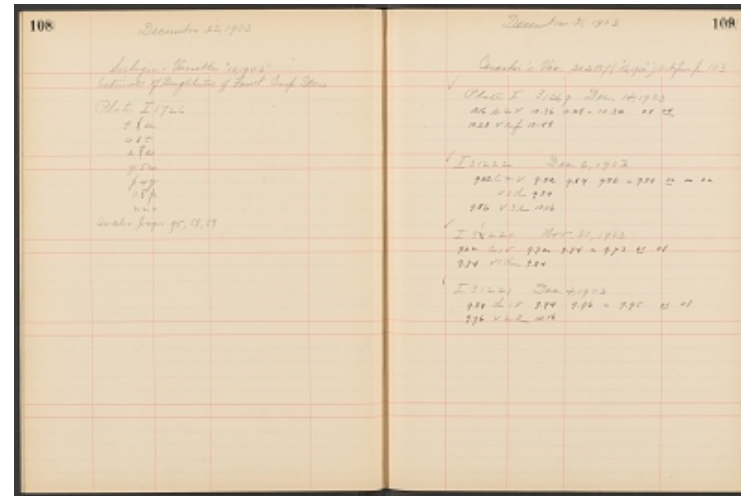
108

December 22, 1903

Suliger's Variable "10, 1903"
Estimates of brightness of Faint Comp. Stars

Plate I 1726

~~t~~ ~~3~~ ~~1u~~
s3t
~~r~~ ~~3~~ ~~4s~~
q5r
p4q
o ~~3~~ ~~4p~~
n2o
See also pages 95, 58, 59



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December 31, 1903

Ceraski's Var. 202817 ("16, 1902") cont. from p. 103

Plate I 31269, Dec. 14, 1903
10.16 e2v 10.36 10.28 = 10.32 04 04
10.28 v2f 10.48

I 31222, Dec. 6, 1903
9.62 c2v 9.82 9.94 0.86 = 9.84 02 00 02
v0d 9.84
9.86 v3e 10.16

I ~~3~~ ~~0~~ ~~1220~~, Nov. 30, 1903
9.62 c1v 9.72 9.74 = 9.73 01 01
9.74 v1d 9.84

I 31221, Dec. 4, 1903
9.84 d1v 9.94 9.96 = 9.95 01 01
9.96 v2e 10.16

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January 15, 1904

Examination for Suspicious Objects on the 55 Plates

Plate 25

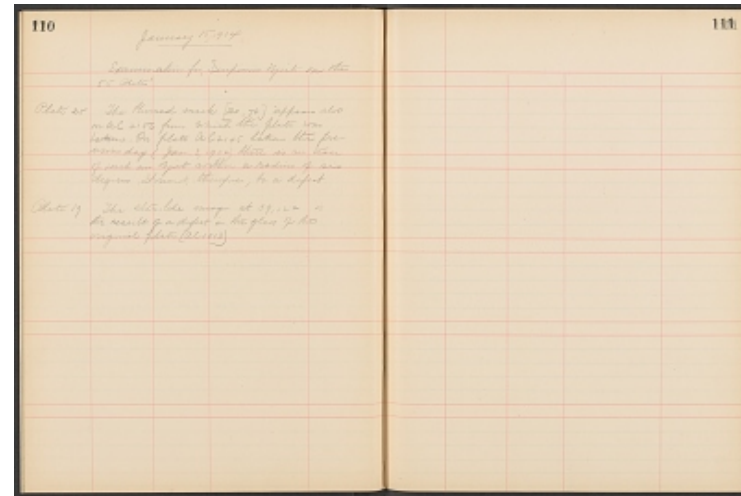
The blurred mark [120, 76] appears also on AC 2156 from which this plate was taken. On plate AC 2145 taken the previous day (Jan. 3, 1902) there is no trace of such an object within a radius of six degrees. It must, therefore, be a defect.

Plate 19

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

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[[no entries]]



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