KG
11365
989

1913phae.proj..990L

Observing Book

E. F. L.

No. 41

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	No 68	207, 208.
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Variables in M5

Jan 15, 1913

No 2. b 10149
h, v
v 2 l

b 10278
Defect in neg of var.

b 10255
q, v
v 2 h

Com Plate. b 10266
l, v
v 0 m

No. 3 b 10149
l, v
v 0 m
v 1 m

b 10266
l, v
v 0 m

b 10255
h, v
v 2 l

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1913phaa..proj...990K

Variables in M 5
Jan 15, 1913

No 3 b 10278
h 1 v
v 1 l

No 9. b 10149
m 1 v
v 1 n

b 10278
h 1 v
v 0 m
v 2 n

b 10255
h 1 v
v 2 l

b 10266
h 1 v
v 1 m

No 14 b 10149
f 1 v
v 2 q

b 10248
e 3 v
v 1 f

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Variables in M15
Jan 15, 1913

M074 b 10266
f 1 v
v 2 q

b 10255
f 1 v
v 2 q

M040 b 10149
h 2 v
v 1 h

b 10248
m 1 v
v 1 m

b 10266
h 1 v
v 1 h

b 10255
m 2 v
v m?

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Variables in Ms

Jan 15, 1913

No 63 b 10149
h 1v
v 1m

b 10278
m 2v
v 1n

b 10266
m 1v
n ?

b 10255
n = 1 ?
v n,s

No 15 b 10149
h 2v
v 0k
v 1m

b 10278
g 3v
v 0h
v 1l

b 10266
h 1v
v 1l

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Variables in M5
Jan 16, 1913

No 15 b 10255
h 1 v
v 0 m
n n3

No 21 b 10149
m 1 v
v 2 n

b 10278
f 3 v
v 1 f

b 10266
m 1 v
v 2 m

b 10255
f 2 v
v 1 f

No 18 b 10149
h 3 v
v 0 l
v 1 m

b 10278
defective? h 1 v
v 2 l

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1913phae.proj..990

Variables in M5

Jan 16, 1913

No 18 b 10266
h 2 v
v 1 l

Over Pl. b 10255
v ft. meas. uncertain

No 19 b 10149
m 2 v
v 1 n

b 10278
l 1 v
v 0 m
v 2 n

b 10255
Two faint in neg. of v.

b 10266
q 3 v
v 0 h
v 3 l

No 32 b 10149
m 1 v
v 1 n

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Variables in M5

Jan 20, 1913

No 32 b10278

n 1 v

v 2 n'

b10255

h 2 v

v 1 h

b10266

m 1 v

v 2 m

No 31 b10149

l 2 v

v 1 m

b10278

g 3 v

v 1 h

b10255

l 1 v

v 1 m

b10266

g 3 v

v 1 h

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Variables in M 5
Jan 20, 1913

No 8

b 10149
l 2 v
v 1 m

b 10248
m 2 v
v 1 m

b 10255
l 2 v
v 1 m

b 10266
m 2 v
v 1 m

No 28

b 10149
k 2 v
v o l
v 2 m

b 10278
m 2 v
v 1 m

b 10255
l 2 v
v 1 m

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Variables in M5
Jan 20, 1913

No 28 b 10266
n iv
o n,s ?

No 55 b 10149
h 2 v
v i l

b 10278
m 2 v
v i m

b 10255
l 2 v
v i m

b 10266
n i v
v n,s

No 62 b 10149
h 2 v
v i l

b 10278
l i v
v 2 m

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1913phae.proj...990

Variables in M5
Jan 20, 1913

No 62 b 10255
l 2 v
v 1 w

b 10266
w 2 v
v 1 w

No 75 b 10149
g 3 v
v 1 h

b 10278
h defective. h 1 v
v 2 l

b 10255
l 1 v
v 2 w

b 10266
h 2 v
v 1 l

No 30 b 10149
h 2 v
v 1 l

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Variables in M5
Jan 21, 1913

No 30. b10278
l 1 v
v 2 m

b10255
m 1 v
v 2 m

b10266
h 2 v
v 1 l

No 7
Very close to a bright-stars. diff.
b10149
l 2 v
v 1 m

b10278
l 2 v
v 1 m

b10255
l 1 v
v 1 m

b 10266
m 2 v
v 1 m

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Variables in M8
Jan 21, 1913

No 64 b10149
q 1v
v 3h

b10278
m 1v
v 2m

b10255
t 3v
v 1q

b10266
m 1v
v 2m

No 39 b10149
m 1v
v 1m

b10278
m 2v
v 1m

b10255
m 1v
v 1m

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Variables in M6
Jan. 21, 1913

No 39 b 10266
g 3v
v 1h

Jan 29
No 2 x 8467
b 1v
v 1m

x 8452
m 2v
v 1m

Poor plate. x 8453
m f 1 ?

x 8358
h f 1

No 29 x 8467
l 2v
v 0m
v 3m

x 8358
h 3v
r 1l

x 8453
g 1v
v 0h

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1913phae.proj..990

Variables in M 5

Jan 29, 1913.

No 29 x 8452
g 3 v
v : h

b 10149
h 2 v
v : l

b 10266
h 2 v
"l" defective - v : l ?

b 10255
g 2 v
v : h

b 10278
h : v
v 2 l

No 23 x 8469
h 2 v
v : b

b 10278
h 2 v
v : l

b 10255
l 2 v
v : w

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Variables in M5
Jan 29, 1913

No 23 b 10149
h 3 v
v 1 l

b 10266
h 2 v
"l" defective v ? l

x 8452
h 2 v
v 1 l

x 8463
h 1 v
v 2 l

x 8358
h 3 v
v 1 l

No 20 x 8467
h 2 v
v 1 l

b 10149
l 1 v
v 1 m

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Variables in M6
Jan 29, 1918

No 20 b 10266
b 1 v
v 1 m

b 10265
b 1 v
v 2 m

b 10278
b 2 v
v 1 b

x 8463
b 2 v
v 2 m

x 8452
m 2 v
v 1 m

x 8358
m 2 v
v 1 m

No 61 x 8467
b 2 v
v 1 b

b 10278
g 3 v
v 1 b

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1913phae.proj..990L

Variables in M 5
Jan 29, 1913

No 61 x 8452
g 3 v
v 1 h

x 8453
g 3 v
v 1 h

x 8358
g 3 v
v 1 h

b 10255
f 2 v
v 1 g

b 10266
h 1 v
v 2 b

~~b 10149~~
~~g 1 v~~
~~v 2 h~~

W.S.? not 61

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Variables in M5
Feb 24, 1913

No 1 X 12123
f 3 v
v 1 f

MW 85
m 2 v
v 0 m
v 3 0

X 10974
g 3 v
v 1 h

MW 82
m 3 v
v 1 m

X 10973
n 1 v
v 2 0

X 10967
f 3 v
v 1 g

MW 86
n 1 v
v 2 0

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1913phae.proj..990L

Variables in M5
Feb 24, 1913

No 1 (cont) K 10808
m 2 v
v 1 m

MW 84
m 1 v
v 20

K 10806
q 3 v
v 0 h
v 3 l

MW 112
m 2 v
v 1 m

K 10458
h 3 v
v 1 l

MW 111
m 1 v
v 20

K 10804
m 2 v
v 1 m

MW 107
h 2 v

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1913phae.proj...990

Variables in M5
Feb 24, 1913

No 1 (cont.) MW 110
m 3 v
v 1 m

K 10805
q 1 v
v 3 h

MW 109
m 1 v
v 2 m

MW 105
q 3 v
v 1 h

K 10460
m 1 v
v 2 0

MW 108
m 1 v
v 3 m

K 10452
m 1 v
v 2 0

MW 106
h 1 v
v 2 h

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Variables in M5
Feb 24, 1913

No. 2

V 10452
h 1 v
v 2 l

MW 86
q 3 v
v 1 h

V 10460
h 2 v
v 1 l

MW 84
q 2 v
v 1 h

V 10805
n 1 v
v 2 o

MW 85
q 2 v
v 1 h

V 10804
l 1 v
v 0 m
v 3 n

MW 106
m 2 v
v 1 n

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Variables in M5
Feb 24, 1913

No 2 (cont) V 10458
h 3 v
v 1 h

MW 108
m 2 v
v 1 m

V 10806
m 2 v
v 0 m
v 2 0

MW 105
m 2 v
v 1 m

V 10808
m 1 v
v 2 m

MW 109
m 2 v
v 0 m
v 2 0

V 10964
g 3 v
v 1 h

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Variables in M5
Feb 24, 1913

No 2 (cont)

MW 110
m 2 v
v 1 m

X 10973
m 1 v
v 2 0

MW 111
m 3 v
v 1 m

X 10974
m 1 v
v 2 m

MW 112
m 2 v
v 1 m

X 12123
h 2 v
v 1 l

MW 107
m 1 v
v 2 0

Plate broken MW 85
v not on pl.

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Variables in M5
Feb 24, 1913

No 3

MW 86
m 1 v
v 2 n

MW 107
m 2 v
v 1 n

4 12123
g 2 v
v 1 h

x 10974
n 1 v
v 2 0

MW 112
g 2 v
x 0 h
v 2 l

x 10973
m 1 v
v 2 h

MW 111
h 1 v
v 2 l

x 10452
m 2 v
v 1 n

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Variables in M5
Feb 24, 1913

No 3 (cont.) X 10967
m 1 v
v 2 m

MW 110
m 2 v
v 1 m

X 10808
m 1 v
v 2 m

MW 109
m 1 v
v 2 0

X 10806
l 2 v
v 0 m
v 3 m

MW 105
m 2 v
v 0 m
v 2 0

X 10458
l 2 v
v 1 l

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Variables in M5
Feb 24, 1913

No 3 (west)

MW 108
m 2 v
v 1 n

MW 106
m 1 v
v 2 n

10804
~~10810~~
g 2 v
v 1 h

MW 82
g 2 v
v 1 h

10805
l 1 v
v 1 m

MW 84
h 2 v
v 1 l

10460
h 2 v
v 1 l

MW 85-
l 1 v
v 1 m

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Variables in M5

Feb 25, 1913

No 4

K 10452

m 1 v

v 2 n

MW 85

m 2 v

v 1 n

K 10806

h 2 v

v 1 l

MW 86

0 1 v

v 2 p

K 10458

g 2 v

v 1 h

MW 104

h 2 v

v 1 l

K 10460

h 1 v

v 2 l

MW 112

n 2 v

v 1 o

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Variables in M6-
Feb 25, 1913

No 4 (cont) K 10804
l, v
Difficult v, m?

MW 111
m, v
v 20

K 10805
l, v
v 2 l

MW 110
m, v
v 20

K 10808
Difficult m, v
v 2 m?

MW 109
m, v
v 20

K 10967
q 3 v
v, l

MW 105
q 3 v
v, l

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Variables in M5
Feb 25, 1913

No 4. (cont) X 10973
m 2.v
v 1 m

MW 108
m 1 v
v 2 m

X 12123
m 1 v
v 2 0

MW 106
q 3 v
v 1 m

X 10974
m 2 v
v 1 m

MW 82
m 1 v
v 2 0

MW 84
m 1 v
v 2 0

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Variables in Mo
Feb 25, 1913

No 5

MW 82
R 1 v
v 20

MW 106
R 1 v
v 10

X 10974
g 3 v
v 1 h

MW 84
R 2 v
v 10

MW 108
R 1 v
v 20

MW 105
0 1 v
Diff. v 2 fv

X 12123
l 1 v
v 1 m

X 10973
g 2 v
v 1 h

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1913phae.proj..990L

Variables in No 5
Feb 25, 1913

No 5 (cont) MW 109
h 1 v
v 3 q

K 10973 67
m 2 v
v 1 w

MW 110
o 2 v
v 1 h

K 10808
Two form in req. of var. 4t.

K 10805
h 2 v
v 1 l

MW 111
n 2 v
v 1 o

K 10804
Two form in req. of var. 4t.

MW 112
h 1 v
v 2 l

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Variables in M5
Feb 25, 1913

No 5 (cont) MW 107
n 2 v
v 1 0

MW 86
n 2 v
v 1 0

K10460
n 2 v
v 1 n

MW 85
n 2 v
v 1 n

K10458
Diff. n 1 v
v 2 0

K10806
b 1 v
v 1 n

K10452
g 1 v
v 2 h

No 5 is unsatisfactory to meas. as it is between + neg bright stars. which may affect its brightness.

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Variables in M5

Feb 25, 1913

No 6

MW 85

m : v

v 2 m

MW 82

m : v

v 2 m

MW 106

h : v

v : m

MW 84

m : v

v 2 m

MW 109

m : v

v 2 m

MW 105

m : v

v 2 m

MW 109

h 2 v

v : l

K 10452

h 2 v

v : l

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Variables in M5
Feb 25, 1913

No 6 (cont) X 11806
q : v
v 2 h

MW 110
q 2 v
v : h

X 10458
h : v
v 2 l

MW 111
q : v
v 2 h

X 10460
l : v
v : m

MW 112
q 2 v
v : h

MW 104
m 2 v
v : n

MW 86
m 2 v
v : n

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Variables in M5
Feb 25, 1913

No 6 (cont) K 10804
h 2 v
v 1 h

K 10808
q 2 v
v 1 h

K 10805
m 1 v
v 2 n

K 10967
q 2 v
v 1 h

K 10973
h 1 v
v 2 l

K 12123
h 1 v
v 2 l

K 10974
q 2 v
v 1 h

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Variables in M5
Feb 26, 1913

No. 7 – x 10974
n 1, 20

f 12123
m 1, 2 n

x 10805
n 1, 20

x 10973
n 2, 10

x 10804
f 1, 2 g

x 10964
n 1, 20

x 10808
f 2, 1 g

x 10460
m 2, 1 n

x 10806
o 1, 1 f

x 10458
g 3, 1 h

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Variables in M5
Feb 26, 1913

No 7 (cont) x 10452
q 2, 1 h

mw 85
h 1, 1 m

mw 104
q 2, 1 h

mw 86
m 2, 1 m

mw 112
m 2, 1 m

mw 110
m 2, 1 m

mw 105
q 1, 2 h

mw 109
h 1, 1 m

mw 84
m 1, 2 m

mw 108
h 2, 1 h

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1913phae.proj..990

Variables in Mo
Feb 26, 1913

No 7 (cont) MW 106
g 2, 0 h, 2 l

MW 111
n 1, 20

MW 82
h 2, 1 l

No 8 K 10808
l 1, 1 m

K 10452
f 3, 0 g, 2 h

K 10806
m 2, 1 n

K 10458
m 2, 1 n

MW 82
m 1, 2 n

MW 111
f 2, 2 g

MW 108
n 1, 20

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1913phae.proj..990L

Variables in M5
Feb 26, 1913

No 8 (cont) X 10460
o 1, 2 h

MW 84
m 2, 0m, 20

MW 105
m 2, 1m

X 10967
l 1, 1m

X 10804
q 1, 2h

X 10973
q 3, 1h

MW 106
n 1, 20

MW 109
l 1, 1m

X 10805
n 1, 20

f 12123
n 1, 20

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1913phae.proj..990

Variables in M5
Feb 26, 1913

No 8 (cont) X 10974
f 3, 1 g

MW 110
g 2, 1 h

MW 85
n 1, 2 0

MW 112
f 2, 1 g

MW 104
m 2, 1 n

MW 86
m 1, 2 n

No 9 X 10974
m 2, 0 n, 2 0

X 12123
h, v, 2 l

X 10805
g 1, 3 h

X 10973
m 2, 1 n

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1913phae.proj..990L

Variables in M5
Feb 26, 1913

No 9 (cont.)

K 10804
m 2, 1 n

K 10967
g 3, 0 h, 2 l

K 10460
l 1, 2 m

K 10806
g 1, 3 h

K 10458
h 1, 2 l

K 10452
l 1, 1 m

K 10808
h 1, 2 l

MW 85
m 1, 2 n

MW 82
l 1, 1 m

MW 111
l 1, 1 m

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1913phae.proj..990

Variables in M5
Feb 26, 1913

No 9 (cont)

MW 108
g 1, 2 h

MW 84
l 1, 1 m

MW 105
g 1, 3 h

MW 109
g 3, 1 h

MW 106
g 1, 2 h

MW 110
g 2, 1 h

MW 112
g 3, 0 h, 2 l

MW 107
g 2, 2 h

MW 86
h 2, 1 l

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1913phae.proj..990L

Variables in M5

Feb 27, 1913

No 10

X 10808
g 3, 1h

X 10452
h 1, 2l

X 10806
f 1, 3g

X 10458
m 2, 1n

X 10967
l 2, 0m, 2n

X 10460
m 2, 1n

X 10804
h 1, 2l

X 10973
g 1, 2h

X 10805
m 2. 1n

X 12123
f 2, 1g

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1913phae.proj..990t

Variables in M5
Feb 27, 1913

No 10 (cont) X 10974
h 1, 2 l

MW 85
Not on piece of pl.

MW 86
m 2, 1 n

MW 107
f 1, 2 g

MW 112
h 2, 1 l

MW 110
g 2, 1 h

MW 106
m 1, 2 n

MW 109
g 1, 2 h

MW 105
m 2, 1 n

MW 84
n 1, 20

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1913phae.proj..990L

Variables in M5
Feb 27, 1913

No 10 (cont.) MW 108
f 1, 3 g

MW 111
h 2, 1 L

MW 82
m 2, 1 n

No 11 MW 108
g 1, 3 h

MW 82
l 1, 1 m

MW 111
h 2, 1 l

MW 84
m 2, 0 n, 20

MW 105
f 1, 3 g

MW 109
g 2, 1 h

MW 106
f 1, 2 g

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1913phae.proj..990

Variables in M5

Feb 27, 1913

No 11 (cont) MW 110
g 2, 1 h

MW 112
h 2, 1 l

MW 107
g 1, 3 h

MW 86
m 2, 1 n

MW 85
m 2, 1 n

V 10974
f 1, 2 g

V 12123
m 2, 1 n

V 10805
m 2, 1 n

V 10973
m 1, 2 n

V 10804
h 2, 1 l

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1913phae.proj..990L

Variables in M5
Feb 27, 1913

No 11 (cont) ϰ 10460
f 2, 3g

ϰ 10967
m 1, 2n

ϰ 10458
m 2, 1n

ϰ 10806
f 1, 3g

ϰ 10452
l 1, 1m

ϰ 10808
g 3, 1h

No 12 ϰ 10808
f 3, 1g

ϰ 10452
h 2, 1l

ϰ 10806
n 1, 20

ϰ 10458
n 2, 10

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1913phae.proj...990

Variables in M5
Feb 27, 1913

No 12 (cont) K 10964
h 3,1 l

K 10460
m 2,10

K 10804
m 1,20

K 10973
m 2,10

K 10805
m 2,10

K 12123
l 1,0 m, 2 m

Spot; on var. Meas. uncertain. K 10974
m 1,20 ?

MW 85
m 1,20

MW 107
m 1,2 m

MW 82
m 2,1 m

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1913phae.proj..990L

Variables in M5
Feb 27, 1913

No 12 (cont)

MW 108
f 3, 19

MW 111
h 2, 1 l

MW 84
n 2, 10

MW 105
n 1, 20

MW 109
f 3, 19

MW 106
n 2, 10

MW 110
f 3, 1 h

MW 112
h 1, 2 l

MW 86
m 2, 1 n

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1913phae.proj..990

Variables in Mo
Feb 28, 1913

No 13 ✗10805
W.S ~~h1, 2m, 2n~~
h1, 2l

✗10808
f2, 2g

✗10974
g2, 1h

✗12123
h1, 2l

✗10973
g1, 2h

✗10804
f2, 1g

✗10460
h2, 1l

✗10967
g2, 1h

✗10458
h1, 2l

✗10806
h2, 1l

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1913phae.proj..990L

Variables in M5
Feb 28, 1913

No 13. (cont) ϒ 10452
h 1, 2 l

MW 109
g 1, 2 h

MW 82
g 1, 2 h

MW 104
m 2, 1 n

MW 111.
f 3, 1 g

MW 108
m 2, 0 n, 2 0

MW 84
h 1, 2 l.

MW 105
m 2, 1 n

MW 110
f 3, 1 g

MW 106
m 2, 1 n

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1913phae.proj..990

Variables in M5.
Feb 28, 1913

No 13 (cont) MW 112
g 1, 2 h

MW 86
m 2, 1 n

MW 85
h 2, 1 l

No 14 K 10452
h 1, 2 l

K 10806
m 2, 0 n, 2 o

K 10458
h 2, 1 l

K 10964
g 3, 0 h, 2 l

K 10460
l, 1 m

K 10804
g 2, 1 h

K 10943
h 2, 1 l

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1913phae.proj..990L

Variables in M5
Feb 28, 1913

No 14 (cont) ψ 12123
l 1, 0 m, 2 n

ψ 10974
m 1, 2 n

ψ 10808
f 1, 3 g

ψ 10805
m 2, 1 n

MW 109
h 2, 1 k

MW 82
g 2, 1 h

MW 107
h 1, 2 k

MW 111
m 2, 1 n

MW 108
h 2, 1 k

MW 84
h 1, 2 k

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1913phae.proj..990

Variables in M5
Feb 28, 1913

No 14 (cont) MW 105
q 3, 1 h

MW 110
m 1, 2 m

MW 106
h 1, 2 l

MW 112
m 2, 1 m

MW 86
h 1, 0 l, 1 m?

MW 85
h 2, 0 l, 1 m

March 3, 1913
No 15.

MW 85
m 2, 1 m

X 10808
h 2, 1 l

X 10805
l 1, 1 m

X 10974
l 1, 1 m

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1913phae.proj..990L

Variables in M5
March 3, 1913

No 15 (cont) K 12123
l 1, 0m, 3n

K 10973
h 1, 2l

K 10804
q 3, 1h

MW 109
h 2, 1l

MW 82
h 2, 1l

K 10460
m 2, 1n

K 10967
l 1, 1m

K 10806
h 1, 2l

K 10458
h 3, 1l

K 10452
m 1, 2n

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1913phae.proj..990

Variables in M5
March 3, 1913.

No 15 (cont) MW 107
g 3, 1 h

MW 111
m 2, 1 m

MW 108
g 3, 1 h

MW 84
l 1, 3 m

MW 105
g 3, 1 h

MW 110
l 1, 3 m

MW 106
g 3, 2 h

MW 112
l 2, 2 m

MW 86
l 1, 3 m

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1913phae.proj..990L

Variables in M5
March 3, 1913

No 16

X 10452
f 3, 1 *g

X 10458
g 3, 1 h

X 10806
f 2, 1 g

X 10967
l 2, 1 n

MW 85
n 1, 2 o

X 10460
h 1, 2 l

X 10804
n 1, 2 o

X 10973
l 2. on, 30

X 12123
l 2, on, 20

X 10974
n 1, 2 o

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1913phae.proj..990

Variables in Mo
March 3, 1913

No. 16 (cont) ϒ 10805
l 1, 3 n

ϒ 10808
g 3, 1 h

MW 86
h 2, 1 l

MW 112
g 2, 1 h

MW 106
n 2, 1 o

MW 110
f 3, 1 g

MW 105
n 2, 1 o

MW 84
n 2, 1 o

MW 108
h 1, 3 l

MW 111
g 1, 3 h

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1913phae.proj..990L

Variables in M5
March 3, 1913

No 16 (cont) MW 104
n 1, 2 o

MW 82
n 1, 2 o

MW 109
q 3, 1 g

March 4, 1913
No 17 - MW 85
l 3, 2 n

MW 112
p 2, 1 l

MW 86
n 1, 2 o

MW 106
o 1, 3 p

MW 110
q 3, 1 h

MW 105
n 2, 1 o

MW 84
n 2, 1 o

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1913phae.proj..990

Variables in Mo
Wachat. 1913

No. 17 (cont) MW 111
gf 3, 1 h

? MW 107
h 3, 1 l

MW 82
n 1, 2 0

MW 108
gf 3, 2 h

f 10452
l 3, 1 n ?

? MW 109
gf 3, 1 h

f 10458
l 3, 1 n ?

f 10806
l 1, 2 n

? f 10967
f 2, 1 g

f 10460
l 3, 1 n

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1913phae.proj..990L

Variables in M5
Mch. 4, 1913

No 17 (cont) # 10804
Too faint in neg. of var.

10973
h 2, 1 l

12123
n 2, 10 °

10974
l 1, 3 n

10805
h 2, 1 l

10808
Too faint. v ft.

Mch 5, 1913
No 18

MW 112
l 2, 2 n

MW 85
g 3, 1 h

MW 86
g 3, 0 h, 2 l

MW 106
l 2, 2 n

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1913phae.proj..990

Variables in M5
Mch 5, 1913

No 18 (cont) MW 110
l 3, 1 m

MW 105
h r, 1 l

MW 84
h r, 1 l

MW 111
l 3, 1 m

MW 107
l 3, 1 m

MW 82
m 1, 20

MW 108
l r, 1 m

MW 109
l r, 0 m, 30

V 1045 a
l 3, 1 m

V 1045 b
l 3, 1 m

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1913phae.proj..990L

Variables in M 5
Mch 5, 1913

No 18 (cont) ¥10806
l 3, 1 m

¥10967
l 3, 0 m, 2 0

¥10460
f 3, 2 g

¥10804
Bon pl. l 3, 1 m°

¥10973
g 3, 1 k

¥12123
l 2, 1 m

¥10974
g 3, 0 k, 2 l

¥10805
l 3, 1 m

¥10808
k 2, 1 k

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1913phae.proj...990

Variables in Mo
Mch 6, 1913

No 19

λ 10452
l 3, 1 n

λ 10806
n 1, 2 v

λ 10458
n 2, 1 0

λ 10967
q 2, 1 h

λ 10460
n 2, 1 0

λ 10804
l 3, 1 n

λ 10973
l 1, 3 n

λ 12123
q 3, 1 h

λ 10974
l 3, 1 n

λ 10805
l 1, 3 n

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1913phae.proj..99

Variables in M 5
Mch 6, 1913

No 19 cont +10808
l 3, 1 n

MW 85
n 2, 10

MW 112
l 3, 1 n

MW 86
g 3, 1 h

MW 106
g 3, 1 h

MW 110
l 2, 2 n

MW 105
g 1, 3 h

MW 84
c 1, 2 h

MW 111
l 3, 1 n

MW 104
g 3, 1 h

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1913phae.proj..990

Variables in Mo-
Mch 6, 1913

No 19 (cont) MW 82
n 2, 1 0

MW 108
g 3, 1 h

MW 109
g 3, 0 h, 2 l

Mch 10, 1913
No. 20 MW 112
g 3, 1 h

K 10808
l 1, 3 n

K 10805
l 2, 2 n

K 10974
f 3, 1 g

K 12123
l 1, 3 n

K 10973
g 1, 3 h

K 10804
g 1, 3 h

"g" defective

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1913phae.proj..990L

Variables in M5

March 10, 1913

No 20 (cont) ✱10460
f 3, 1 g

✱10967
l 3, 1 n

✱10458
h 1, 2 l

✱10806
l 3, 1 n

✱10452
l 3, 1 n

MW 85
l 1, 3 n

MW 106
f 3, 1 g

MW 110
g 2, 1 h

MW 86
h 2, 1 l

MW 105
f 3, 0 g, 3 h

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1913phae.proj..9904

Variables in Mo
Mch 10, 1913

No 20 (cont) MW 84
h 2, l 1

MW 111
h 2, l 1

MW 107
g 2, h 1

MW 82
h 2, l 1

MW 109
g 3, h 0, l 2

MW 108
g 2, h 1

Mch 12, 1913
No 21

λ 8358
l 3, n 1

λ 8452
l 3, n 1

λ 8467
h 1, l 2

λ 8453
h 1, l 1

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1913phae.proj..990L

Variables in M5
March 12, 1913

No 21 (cont)

*10452
l 3, 1 n

*10806
l 3, 1 n

*10459
g 3, 1 h

*10967
n 1, 2 o

*10460
g 2, 1 h

*10804
h 1, 2 l

*10973
g 3, 1 h

*12123
l 2, 1 n

*10974
g 3, 1 h

*10805
l 3, 1 n

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1913phae.proj...9906

Variables in M5
Mch 12, 1913

No 21 (cont) 4 10808
q 2, 2 h

MW 85
h 3, 1 n

MW 108
h 2, 1 l

MW 82
l 3, 0 n, 2 0

MW 109
l 2, 1 0

MW 104
h 2, 0 l, 2 0

MW 111
l 3, 1 m

MW 84
n 2, 1 0

MW 105
h 1, 2 l

MW 86
q 3, 1 q

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1913phae.proj..990L

Variables in M5
March 17, 1913

No 21 (cont) MW 110
l 3, 1 n

MW 106
h 2, 1 l

MW 112
n 1, 20

No 22 b 10149
l 2, 2 n

MW 85
Not on broken plate.

k 10808
l 2, 1 n

k 10805
l 3, 1 n

k 10974
l 3, 1 n

k 12123
l 2, 1 n

k 10943
l 3, 1 n

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1913phae.proj..990

Variables in Mo
Mch 12, 1913

No 22 (cont) ⊀10804
l 1, 3 n

⊀10460
l 3, 1 n

⊀10967
n 1, 20

⊀10458 ~~804~~
l 3, 1 n

⊀10806
n 1, 20

⊀10452
l 3, 1 n

⊀8453
l 1 N

⊀8467
n 1, 20

⊀8452
l 2, 1 n

⊀8358
n, N?

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1913phae.proj..990

Variables in M 5
Mch 17, 1913

No 22 (cont) MW 112
l 1, 3 n

MW 106
l 1, 3 n

MW 110
l 2, 2 n

MW 86
l 2, 1 n

MW 105
l 1, 3 n

MW 84
l 2, 1 n

MW 111
l 3, 1 n

MW 107
l 3, 1 n

MW 82
l 2, 2 n

MW 108
l 2, 2 n

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1913phae.proj..990

Variables in M5
Mch 17, 1913

No 22 MW 109
h 2,0 m, 20

Is No 22 really a variable?. I do not find enough change on these plates. to be sure.

No 23 ✝8358
h 3, 1 l

✝8452
h 2, 1 l

✝8467
h 1, 2 l

✝8453
Poor plate. h 2, 1 l ?

✝10452
h 2, 1 l

✝10806
h 2, 1 l

✝10458
h 1, 2 l

✝10967
h 2, 1 l

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1913phae.proj..990L

Variables in M5
March 12, 1913

No 23 (cont)

K10460
h 2, 1 l

K10804
h 1, 2 l

K10973
h 1, 2 l

K12123
h 1, 2 l

K10974
l 1, 3 n

K10805
h 2, 1 l

K10808
h 2, 1 l

MW 85
h 2, 1 l

MW 112
g 3, 0 h, 2 l

MW 106
h 1, 2 l

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1913phae.proj..990

Variables in Mo
Mch 12, 1913

No. 23 (cont) MW 110
h 1, 2 l

MW 86
g 3, 1 h

MW 105
h 2, 1 l

MW 84
g 3, 0 h, 2 l

MW 111
h 2, 1 l

MW 107
h 2, 1 l

MW 82
h 1, 2 l

MW 108
h 2, 1 l

MW 109
h 2, 1 l

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1913phae.proj..990L

Variables in M5
Mch 12, 1913

No 24

MW 109
h 2, 0l, 2n

MW 85
g 2, 1h

MW 108
h 2, 1l

MW 82
n 2, 1 0

MW 107
h 2, 1l

MW 111
l 3, 1n

MW 84
h 2, 1l

MW 105
g 3, 1h

MW 86
g 2, 1h

MW 110
l 2, 1n

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1913phae.proj..990

Variables in M5
Mch. 12, 1913

No 24 (cont) MW 106
g 3, 0 h, 2 l

MW 112
l 3, 1 n

Y 10452
l 3, 1 n

b 10149
Too faint.

K 8453
l, N

MW 8467
g 1, 3 ~~h~~

K 8452
l 1, 2 n

K 8358
g 1, 3 h

K 10973
l 3, 1 n

K 10804
l 1, 2 n

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1913phae.proj..990L

Variables in M5
Mch 12, 1913

No 24 (cont) V 10760
g 2, 1 h

V 10967
h 2, 1 l

V 10458
l 3, 1 m

V 10806
h 1, 2 l

V 10805
g 1, 3 h

V 10974
n 1, 20

V 12123
l 2, 1 m

V 10808
h 1, 2 m

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1913phae.proj..990

Variables in M5
Mch 13, 1913

No 25

k 10808
g 3, 1 h

b 10149
g 3, 1 h

k 12120
g 2, 1 h

k 10974
f 1, 3 g

k 10806
g 3, 1 h

k 10458
f 3, 0 g, 3 h

k 10805
g 1, 3 h

k 10967
f 1, 3 g

k 10460
g 1, 3 h

k 10804
g 3, 1 h

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1913phae.proj..990

Variables in M5
March 13, 1913

No 25 (cont) 7 10973
2 4, 1 f

7 8358
f 3, 1 g

7 8452
g 1, 3 h

7 8467
g 1, 3 h

7 8453
f 3, 0 g 1, 3 h

7 10452
g 1, 3 h

MW 85
f 2, 1/2 g

MW 112
f 3, 1 g

MW 106
g 2, 2 h

MW 110
f 3, 1 g

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1913phae.proj..990

Variables in M5
Mch 13, 1913

No 25 (cont) MW 86
~~f 2, 2g~~
f 2, 1g

MW 105
f 2, 1h

MW 84
f 2, 1g

MW 111
f 3, 1g

MW 107
f 2, 1h

MW 82
f 1, 2g

MW 108
f 1, 2h

MW 109
f 3, 0g, 3h

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1913phae.proj..990L

Variables in Mo

Mch 15, 1913

No 26

MW 85
g 2, 2 h

MW 109
h 2, 1 l

MW 108
h 2, 1 l

MW 82
n 1, 2 0

MW 107
h 1, 2 l

MW 111
l 3, 1 n

MW 84
h 2, 1 l

MW 105
g 3, 1 h

MW 86
g 2, 2 h

MW 110
l 2, 1 n

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1913phae.proj..9960

Variables in Mo
Mch 15, 1913

No 26 (cont) MW 106
h 1, 2 l

MW 112
l 3, 1 m

6 10149
Two turn in neg of v.

4 10808
difficult- q 1, 2 h?

6 10974
h 1, 2 l

4 12123
h 1, 2 l

4 10804
Two turn in neg of v.

4 10460
l 3, 1 m

4 10967
l 3, 1 m

4 10805
l 3, 1 m

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1913phae.proj..990L

Variables in M5
Mch 15, 1913

No 26 (cont) ↓10458
h 3, 1 l

↓10806
l 3, 1 m

↓8453
l 2, 1 m?

↓8467
q 1, 2 h

↓8452
h 1, 2 l

↓8358
h 2, 1 l

↓10973
l 3, 1 m

↓10452
h 2, 1 l

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1913phae.proj..9900

Variables in M5

March 15, 1913

No 27

Y 10452
g 1, 3 h

Y 10458
h 2, 1 l

Y 10806
m 1, 2 o

Y 8453
Poor Pl. l 3, 1 m?

Y 8467
h 1, 2 l

Y 8452
h 1, 2 l

Y 8358
g 2, 1 h

Y 10973
g 1, 3 h

Y 10804
Too faint in neg of v.

Y 10805
h 3, 1 m

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1913phae.proj..990L

Variables in M5

Mch. 15, 1913

No 27 (cont) K 10967

v. defective.

K 10460

l 3, 1 m

K 12123

f 3, 1 g

K 10974

g 3, 1 h

K 10808

f 3, 0 g, 3 h

MW 85

n 1, 2 o

MW 112

g 2, 1 h

MW 106

n 1, 2 o

MW 110

h 2, 1 l

MW 86

n 2, 1 o

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1913phae.proj..9900

Variables in Mo

Mch 15, 1913

No 27 (cont) MW 105

n 2, 10

MW 84

n 2, 10

MW 111

q 3, 1 h

MW 107

n 2, 10

MW 108

n 2, 0 v, 2 f

MW 82

n 1, 20

MW 109

n 2, 1 v

b 10149

Too few in neg of v.

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1913phae.proj..990L

Variables in M5

March 17, 1913

No 28

ψ 10808
h3,0n,20

ψ 10974
n2,10

MW 86
n1,20

ψ 12123
n1,20

ψ 10460
g3,1h

ψ 10967
h1,2l

ψ 10805
n1,20

ψ 10973
nψ2,10

ψ 10804
n2,05,1h

ψ 8358
h1,2l

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1913phae.proj..990

Variables in M5
Mch 17, 1913

No 28

Y 8452
l 2, 1 n

Y 8467
n 2, 1 5

Y 8453
l 3, 1 n

Y 10806
n 1, 20

Y 10458
q 3, 1 h

Y 10452
l 3, 1 n

MW 112
h 1, 2 l

MW 106
n 2, 1 5

MW. 110
q 2, 1 h

MW 86
n 2, 1 0

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1913phae.proj..990L

Variables in M5
Mch 17, 1913

Nu 29

MW 105
n 2, 1 0

MW 84
n 2, 1 0

MW 108
g 3, 0 h, 2 l

MW 111
h 1, 2 l

MW 107
n 1, 2 0

MW 92
n 2, 1 0

MW 109
g 2, 2 h

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1913phae.proj..9901

Variables in Ms
Mch 17, 1913

No 29

ψ10458
l3, 1n

ψ10806
n1, 20

ψ10804
l2, 1n

ψ10973
l1, 2n

ψ10805
l3, 1n

ψ10967
h1, 2l

ψ10460
f4, 1g

ψ12123
g3, 1h

ψ10974
l3, 1n

ψ10808
l2, 2n

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1913phae.proj..990L

Variables in M5
Mch 17, 1913

No 29

+10452
l 1, 3 m

MW 85
Not on plate (taken)

MW 112
g 2, 1 h

MW 106
h 2, 0 l, 2 m

MW 110
h 1, 2 l

MW 86
f 3, 1 g

MW 105
l 2, 2 m

MW 84
f 3, 0 g, 2 h

MW 108
l 2, 1 m

MW 111
h 2, 1 l

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1919phae.proj..990L

Variables in M5
Mch 17, 1913

No 29 (cont) MW 104
l 1, 2 or

MW 82
l 3, 1 n

MW 109
l 2, 1 n

No 30 MW 109
q 3, 1 h

MW 85
l 3, 1 n

MW 82
h 2 1 l

MW 106
h 2, 0 l, 2 n ?

MW 107
h 2, 1 l

MW 111
q 3, 0 h, 2 l

MW 84
l 2, 1 n

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1913phae.proj..990L

Variables in Mo
Mch 17, 1913

No 30 (cont) MW 105
n 1, 20

MW 86
l 2, 1 n

MW 110
q 2, 1 h

MW 112
q 3, 0 h, 2 l

MW 108
q 3, 1 h

x
+ 10460
l 3, 0 n, 20

+ 10967
l 1, 3 n

+ 10805
h 2, 1 l

+ 10973
h 1, 2 l

+ 10804
l 2, 0 n, 20

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1913phae.proj..9900

Variables in Mo
Mch 17, 1913

No 30 (cont) χ8358
Image of v scratched l 1, 2 n?

χ8452
n 1, 0 n.5

χ8467
l 3, 1 n

χ8453
l 2, n n.5

ψ10906
h 2, 1 l

ψ10458
l 3, 1 n

ψ12123
q 3, 0 h, 2 l

ψ10974
l 3, 1 n

ψ10808
l 2, 1 n

ψ10452
q 3, 1 h

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1913phae.proj..990L

Variables in M5
Mch 18, 1913

No 31

ψ10452
g 3, 1 h

ψ10973
l 3, 1 n

ψ10808
h 2, 0 l, 3 n

ψ10974
h 1, 2 l

ψ12123
g 3, 1 h

ψ10458
l 3, 1 n

ψ10806
l 1, 2 n

ψ8453
g 3, 1 h

ψ8467
g 4, 1 h

ψ8452
l 3, 1 n

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1913phae.proj..990L

Variables in M5
Mch 18, 1913

No 31 (cont) K 8358
h 1, 2 m ?

K 10804
g 3, 0 h, 2 l

K 10967
g 4, 1 h

K 10805
h 2, 1 l

K 10460
g 3, 1 h

MW 85
g 3, 0 h, 2 l

MW 108
h 1, 2 l

MW 112
l 3, 1 m

MW 110
l 1, 3 m

MW 86
g 3, 1 h

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1913phae.proj..990L

Variables in M5
Mch 18, 1913

No 31 (cont) MW 106
g 3, 1 h

MW 105
g 3, 1 h

MW 84
g 3, 1 h

MW 111
h 3, 1 n

MW 107
g 3, 0 h, 1 l

MW 82
h 1, 1 l

MW 109
g 3, 1 h

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1913phae.proj..990L

Variables in M5
Mch 18, 1913

No 32

Ł 10458
f 3, 2 f

Ł 10805
g 3, 1 h

Ł 10967
n 2, 1 o

Ł 10804
h 1, 3 n

Ł 8358
h 2, 1 n

Ł 8453
g 3, 1 h

Ł 8467
h 2, 1 h

Ł 8452
h 3, 1 n

Ł 10806
h 2, 0 h, 3 n

Ł 12123
g 3, 1 h

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1913phae.proj..990L

Variables in M5
Mch 18, 1913

No 32 (cont) ¥10974
h 2, 0k, 2n

¥10808
k 2, 1n

¥10973
g 2, 1h

¥10452
n 1, 20

¥10460
k 1, 3n

MW 9[illegible]
n 1, 20

MW 105
g 1, 2h

MW 108
h 1, 2k

MW 112
n 2, 10

MW 110
k 2, 2n

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1913phae.proj..990L

Variables in M5
Mch 19, 1913

No 32 (cont) MW 86
l 3, 1 n

MW 106
g 3, 1 h

MW 84
l 3, 0 n, 20

MW 111
l 3, 1 n

MW 107
g 3, 1 h

MW 85
n 1, 20

MW 109
h 2, 0 l, 3 n

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1913phae.proj..990L

Variables in Ms
Mch 19, 1913

No 33

MW 109
n1, 30

MW 82
l 3, 0w, 20

MW 104
l 3, 0w, 20

MW 111
n 2, 10

MW 84
n 1, 20

MW 106
n 1, 20

MW 86
l 2, 1w

MW 110
l 3, 0w, 20

MW 112
l 3, 0w, 25

MW 108
n 1, 20

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1913phae.proj...990

Variables in M5
Mch 19, 1913

No 33

MW 105
l 3, 1 m

MW 85
l 3, 1 m

b 10149
W.S ~~l 3, 1 m~~ Too poor

Y 10460
m 2, 1 0

Y 10452
l 3, 1 m

Y 10973
l 3, 0 m, 2 0

Y 10808
h 2, 0 l, 3 m

Y 10974
f 2, 1 g

Y 12123
g 2, 1 h

Y 10806
g 1, 3 h

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1913phae.proj..990L

Variables in M5
Mch 19, 1913

No 33 (cont) ✱ 8452
l 3, 1 n

✱ 8467
n 1, 2 0

✱ 8453
l 2, 1 n

✱ 8358
l 3, 1 n

✱ 10804
h 2, 0 l, 2 n

✱ 10967
h 1, 2 l

✱ 10805
h 1, 2 l

✱ 10458
l 1, 3 n

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1913phae.proj...990

Variables in M5
Mch. 19, 1913

No 34

Y10458
g3, 1h

G10149
g3, 1h

Y10805
h1, 2l

Y10967
l3, 1w

Y10894
l2, 0w, 20

Y8358
h2, 1l

Y8453
l2, 1w

Y8467
l3, 1w

Y8452
l2, 1w

Y10806
h2, 1l

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1913phae.proj..990L

Variables in M5
Mch 19, 1913

No 34 (cont) ϕ12123
g 1, 0 h

ϕ10974
g 3, 1 h

ϕ10808
h 3, 1 w

ϕ10973
g 3, 1 h

ϕ10452
h 3, 1 w

ϕ10460
h 1; 2 l

MW 85
h 3, 1 w

MW 109
h 3, 0 w, 2 0

MW 82
h 3, 0 w, 2 0

MW 107
h 3, 1 w

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1913phae.proj...990

Variables in M5
Mch 19, 1913

No 34 (cont) MW 111
l3, 0m, 20

MW 84
l2, 1m

MW 106
l2, 1m

MW 86
l2, 1m

MW 110
m1, 20

MW 112
l3, 1m

MW 108
m1, 20

MW 105
l3, 1h

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1913phae.proj..990L

Variables in M5
March 20, 1913

No 35

ψ10460
h 1, 2 l

ψ10452
l 3, 1 n

ψ10973
h 2, 1 l

ψ10808
h 2, 0 l, 2 n

ψ10974
g 2, 3 h

ψ12123
g 3, 1 h

ψ10806
g 2, 2 h

ψ8452
h 1, 2 l

ψ8467
g 3, 1 h

ψ9453
g 3, 1 h

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1913phae.proj..990

Variables in Mo
Mch 20, 1913

No 35 (cont) ⊀8358
h 1, 2 w

⊀10804
g 2, 2 h

⊀10967
g 3, 0 h, 2 l

⊀10805
g 3, 1 h

⊀10458
g 1, 3 h

b10149
Too faint

MW 85
h 1, 2 l

MW 105
h 2, 1 l

MW 108
h 2, 0 l, 2 n

MW 112
g 3, 1 h

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1913phae.proj..990L

Variables in Mo

Mch 20, 1913

No 35 (cont) MW 110
g 3, 0 h, 2 l

MW 86
g 1, 0 h

MW 106
h 2, 1 l

MW 84
h 1, 2 l

MW 111
h 1, 2 l

MW 107
l 2, 1 m

MW 82
l 2, 0 m, 2 0

MW 109
h 2, 0 l, 2 m

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1913phae.proj..990

Variables in M5
Mch 20, 1913

No 36 ↑10805
q 3, 1 h

↓ 10967
q 3, 1 h

b 10149
Too faint

↓ 10804
Poor in neg. plate q 2, 1 h

↓ 8358
q 1, 2 h

↓ 8453
q 3, 1 h

↓ 8467
q 1, 3 h

↓ 8452
q 3, 1 h

↓ 10806
q 1, 3 h

↓ 12123
f 3, 0q, 3 h

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1913phae.proj..990L

Variables in M5
Mch 20, 1913

No 36

ψ10974
h 1, 2 l

ψ10808
q 1, 0 h

ψ10973
q 3, 1 h

ψ10452
f 3, 2 q

ψ10460
q 3, 0 h, 2 l

ψ10458
q 3, 1 h

b 10149
Too faint

MW 85
h 1, 2 l

MW 105
h 2, 1 l

MW 108
q 2, 1 h

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1913phae.proj..990

Variables in M5

Mch 23, 1913

No 36

MW 112
g 3, 0 h, 2 l

MW 110
g 3, 1 h

MW 86
h 1, 2 l

MW 106
g 3, 1 h

MW 84
h 2, 1 l

MW 111
h 1, 2 l

MW 107
h 1, 2 l

MW 82
h 2, 1 l

MW 109
g 3, 0 h, 2 l

The measures of No 36 are very unsatisfactory - and cannot be accurate. The star is very close to another. showing no separation on * plates. The combined light has been measured.

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1913phae.proj..990L

Variables in M5

~~No 87~~ March 24, 1913

No 87

MW 109
l 3, 1 n

MW 82
f 2, 1 g

MW 107
l 1, 2 n

MW 111
l 3, 1 n

MW 84
h 1, 2 l

MW 106
h 1, 2 l

MW 86
l 2, 1 n

MW 110
l 3, 1 n

MW 112
n 1, 2 o

MW 108
h 2, 1 l

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1913phae.proj..990L

Variables in M5
Mch 24, 1913

No 37 MW 105
g 3, 0 h, 2 l

MW 85
h 1, 2 l

b 10149
Too poor

V 10460
f 3, 1 g

V 10452
l 2, 1 m

V 10973
l 2, 1 m

V 10808
difficult- l 3, 1 m?

V 10974
l 3, 0 m, 20

V 12123
h 2, 1 l

V 10806
difficult- l 3, 1 m?

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1913phae.proj..990L

Variables in M5
Mch 24, 1913

No 37

V 8452
h 2, 1 l

V 8467
q 3, 1 h

V 8453
∂ faint

V 8358
S faint

V 10804
l 3, 1 m

V 10967
h 2, 1 l ?

V 10805
h 2, 1 l

V 10458
f 4, 1 q

No 37 is a difficult star to measure, it is so near a very bright object.

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1913phae.proj..990L

Variables in M 5
Mch 25. 1913

No 38

MW 85
g 3, 0 h, 2 l

MW 105
h 2, 1 l

MW 108
l 1, 2 n

MW 112
l 2, 1 n

MW 110
l 3, 1 n

MW 86
h 2, 1 l

MW 106
l 1, 3 n

MW 84
g 3, 0 h, 2 l

MW 111
l 3, 1 n

MW 107
l 1, 3 n

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1913phae.proj..990L

Variables in M5

Mch 25, 1913

No 38

MW 82
g 3, 0h, 2l

MW 109
l 3, 1 m

b 10149
g 3, 1 h

r 10458
l 3, 1 m

r 10805
l 3, 1 m

r 10967
m 1, 2 0

r 10804
g 1, 2 h

r 8358
m 1. 0 v f m s

r 8453
l 3, 1 m ?

r 8467
l 1, 3 m

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1913phae.proj..99L

Variables in Mc

Mch 25, 1913

No 38 ⊀8452
l3, 1w

⊀10806
q3, 1h

⊀12123
l3, 1w

⊀10974
q2, 2h

⊀10808
h2, 1l

⊀10973
f3, 1q

⊀10452
l3, 1w

⊀10460
f3, 2q

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1913phae.proj..990L

Variables in M5

Mch 25, 1913

No 39

MW 85
l 3, 1 w

MW 109
l 2, 2 w

MW 82
l 3, 1 w

MW 107
h 1, 2 l

MW 111
l 3, 1 w

MW 84
l 3, 1 w

MW 106
h 1, 2 l

MW 86
l 3, 1 w ?

MW 110
l 3, 1 w

MW 112
l 2, 1 w

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1913phae.proj..990L

Variables in M5
Mch. 26, 1913

No 39

MW108
h 2, 1 l

MW105
h 2, 1 l

Y10460
g 3, 1 h

Y10452
l 3, 0m, 80

Y10973
f 3, 1 g

Y10808
l 2, 1 m

Y10974
f 3, 2 g

Y12123
g 1, 3 h

Y10806
l 3, 1 m

Y8452
l 3, 1 m

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1913phae.proj..9901

Variables in M5

Mch 26, 1913

No 39

ψ 8467
l 3, 0 w, 2 0

ψ 8453
n ∓ 1

ψ 10805
l 3, 1 w

ψ 8358
l 3, 1 w

ψ 10804
q 1, 3 h

ψ 10967
l 3, 0 w, 2 0

ψ 10458
f 3, 1 q

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1913phae.proj..990L

Variables in M5
Mch 26, 1913

No 40

MW 105
h 2, 2 or

MW 85
h 3, 1 w

MW 108
h 3, 1 w

MW 112
h 1, 2 l

MW 110
h 2, 2 l

MW 86
h 2, 1 w

MW 106
h 3, 1 w

MW 84
h 2, 1 l

MW 111
h 1, 2 l

MW 107
h 3, 1 w

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1913phae.proj..990L

Variables in M5
Mch 26, 1913

No 40

MW
V 82
h 2, 1 l

MW 10[illegible]
h 1, 2 l

V 10458
l 2, 2 m

V 10967
l 3, 1 m

V 10804
h 2, 0 l, 2 m

V 8358
q 3, 1 h

V 10805
l 3, 1 m

V 8453
q 1, 0 h

V 8467
l 1, 3 m

V 8452
q 3, 1 h

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1913phae.proj..99L

Variables in M5
Mch 26, 1913

No 40

Y10806
l3, 1 w

Y12123
g 2, 1 h

Y10974
h 2, 1 l

Y10808
g3,0 h, 2 l

Y10973
l1, 3 w

Y10452
l 1, 3 w

Y10460
g3, 0 h, 2 l

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1913phae.proj..990L

Variables in M5

March 27, 1913

No 41

10460
ϕ 6460
l 1, 3p

b 10149
l 3, 0m, 20

ϕ 10452
l 3, 0m, 20

ϕ 10973
h 2, 0l, 2w

χ 10808
h 1, 2l

ϕ 10974
n 1, 20

χ 12123
h 1, 2l

χ 10806
f 1, 3q

χ 8452
n 1, 0 n.s

χ 8467
f 1, 4q

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1913phae.proj..990L

Variables in M5

Mch 27, 1913

No 41 x 8453
l 2, 1 m

x 10805
l, 3 m

f 8358
l 3, 1 m

f 10804
q 1, 3 l

f 10967
l 2, 1 l

f 10458
l 3.0 m, 2 0

mw 85
l, 3 m

mw 109
l 2, 1 m

mw 82
f 3, 1 q

mw 104
l 1, 2 l

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1913phae.proj..990L

Variables in M5

Mch 27, 1913

No 41

MW 111
l 3, 1 n

MW 84
h 1, 2 l

MW 106
q 3, 0 h, 2 l

MW 86
h 2, 1 l

MW 110
l 3, 0 n, 20

MW 112
l 3, 1 n

MW 108
h 1, 2 l

MW 105
q 3, 2 h

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1913phae.proj..990L

Variables in M5

March 28, 1913

No 42

K 10967
a 3, 1 b

K 10804
a 3, 2 b

K 10806
a 2, 2 b

K 12123
b 2, 5 c

K 10805
a 3, 1 b

K 10974
a 3 K, 2 b

K 10808
a 2, 2 b

K 10973
a 3, 1 b

K 10452
b 4, 3 c

K 10460
b 5, 2 c

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1913phae.proj..990L

Variables in M5
Mch 28, 1913

No 42

V 10458
b 4, 3 c

MW 85
Comp. plate off pl.

MW 108
a 3, 2 b

MW 112
a 2, 3 b

MW 110
a 3, 2 b

MW 86
a 4, 0 b, 4 c

MW 106
a 4, 1 b

MW 84
b 1, 4 c

MW 111
a 3, 2 b

MW 107
a 3, 2 b

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1913phae.proj..990L

Variables in M5
Mch 28, 1913

No 42

MW 82
b 2, 4 c

MW 109
a 3, 2 b

MW 105
a 3, 2 b

No 43

MW 105
g 3, 2 h

MW 109
h 1, 2 l

MW 82
g 3, 1 h

MW 107
g 3, 0 h, 2 l

MW 111
h 2, 0 l. 3 n

MW 84
g 3, 0 h, 2 l

MW 106
g 3, 0 h, 3 l

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1913phae.proj..990L

Variables in M5
Mch 28, 1913

No 43

MW 86
h 1, 2 l

MW 110
h 2, 1 l

MW 85
h 2, 1 l

MW 112
h 2, 1 l

MW 108
g 3, 0 h, 2 l

b 10149
l 3, 1 m

† 10458
l 3, 1 m

† 10460
l 3, 0 m, 2 o

† 10452
l 2, 2 m

† 10973
g 3, 1 h

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1913phae.proj..99L

Variables in M5
Mch 28, 1913

No 43 K10808
q 3, 0h, 2l

K10974
q 3, 1h

K10805
l 3, 1n

K12123
l 2, 1n

K10806
l 3, 1n

K8452
Pum Bl. l 2, 1n?

K8467
l 1, 3n

Pum Bl. K8453
l 3, 1n

K8358
q 3, 0h, 2l

K10804
l 1, 3n

K10967
q 3, 2h

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1913phae.proj..990L

Variables in M5
Mch 28, 1913

No 44

V10967
l 1, 2 w

b10149
h 3, 1 l

V10804
h 2, 1 l

V8358
h 1, 2 l

V8453
q 3, 1 h

V8467
h 2, 1 l

V8452
q 3, 1 h

V10806
q 3, 1 h

V12123
h 2, 1 l

V10805
q 3, 0 h, 2 l

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1913phae.proj..990L

Variables in Mc
Mch 28, 1913

No 44

K10974
h 3, 1 m

K10808
h 1, 2 m

K10973
h 2, 1 l

K10452
g 3, 1 h

K10460
h 2, 1 l

K10458
g 3, 0 h, 2 l

MW 85
h 3, 1 m

MW 105
h 2, 1 l

MW 109
h 1, 3 m

MW 82
h 1, 2 l

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1913phae.proj..990L

Variables in M5
Mch 28, 1913

No 44

MW 107
h 2, 1 l

MW 111
l 3, 1 w

MW 84
h 2, 1 l

MW 109
h 2, 0 l, 2 w

MW 86
h 2, 0 l, 2 w

MW 110
l 3, 1 w

MW 112
h 2, 0 l, 3 w

MW 108
l 1, 3 w

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1913phae.proj..99L

Variables in M5
Mch 28, 1913

No 45 X10458
h3, 1n

X10460
f3, 2q

X10452
h2, 1n

X10973
h2, 0h, 3n

X10808
h2, 1h

X10974
h3, 0n, 20

X10805
h3, 1n

X12123
h1, 3n

X10806
h3, 1n

X8452
q1, 3h

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1913phae.proj..990L

Variables in M5
Mch 28, 1913

No 45

✝8467
h 1, 3 n

✝8453
g 3, 1 h

✝8358
h 2, 1 n

✝10804
f 3, 2 g

✝10967
g 3, 0 h, 2 l

MW 85
h 2, 2 n

b 10149
f 1, 3 g

MW 105
h 3, 0 n, 20

MW 109
n 1, 20

MW 82
h 1, 2 l

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1913phae.proj..990L

Variables in Mo
Mch 28, 1913

No 45

MW 107
l 3, 0 n, 20

MW 111
q 2, 2 h

MW 84
l 2, 1 n

MW 106
l 3, 1 n

MW 96
l 3, 1 n

MW 110
q 3, 1 h

MW 112
f 3, 1 q x

MW 108
l 2, 0 n, 30

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1913phae.proj..990L

Variables in M5

March 29, 1913

No 46

V10967
l 3, 1 m

V10804
l 3, 1 m

V8358
l 3, 1 m

V8453
l 3, 1 m

V8467
l 3, 1 m

V8452
l 3, 1 m

V10806
l 1, 3 m

V12128
l 3, 1 m

V10805
l 2, 2 m

V10974
l 3, 1 m

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1913phae.proj..990L

Variables in M5
Mch 29, 1913

No 46 ✓10808
l 3, 1 n

✓10973
l 3, 1 n

✓10452
l 3, 0 n, 20

✓10460
l 3, 1 n

b 10149
l 3, 1 n

✓10458
l 3, 1 n

MW 85
l 3, 0 n, 20

MW 108
l 3, 1 n

MW 112
l 3, 1 n

MW 110
l 3, 1 n

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1913phae.proj..990L

Variables in M5
Mch 29, 1913

~~MW No 46~~ MW 86
l 3, 1-w

MW 106
l 3, 0w, 20

MW 84
l 3, 1w

MW 111
l 3, 1w

MW 107
w 1, 20

MW 82
l 3, 0w, 20

MW 109
w 2, 10

MW 105
l 3, 0w, 20

Do not find any variation in No 46

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1913phae.proj..990L

Variables in Mc
Mch 29, 1913

No 47

MW 105
$k_{3,1}n$

MW 109
$n_{1,20}$

MW 82
$g_{3,1}h$

MW 107
$n_{1,20}$
7

MW 111
$n_{2,10}$

MW 84
$k_{1,3}n$

MW 106
$k_{3,0}n,\ 20$

MW 86
$k_{2,1}n$

MW 110
$k_{3,1}n$

MW 112
$k_{3,0}n,\ 20$

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1913phae.proj..990L

Variables in M5
Mch 29, 1913

No 47

MW 108
l 3, 0n, 20

MW 85
h 2, 1 l

b 10149
Too faint in reg.

ϕ 10458
l 1, 3 n

ϕ 10460
l 3, 1 n

ϕ 10452
l 3, 1 n

ϕ 10973
h 1, 2 l

ϕ 10808
l 3, 0n, 20

ϕ 10974
h 2, 1 l

ϕ 10805
h 2, 1 l

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1913phae.proj..990

Variables in Mo
Mch 29, 1913

No 47 ↓12123
gf 3, 0h, 2l

↓10806
l 3, 1w

↓8452
l 3, 1w

↓8467
h 2, 1l

↓8463
gf 2, 2h

↓8358
l 3, 1w

↓10804
w 2, 1o

↓10967
l 3, 0w, 2o

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1913phae.proj..990L

Variables in M5
Mch 31, 1913

No 48

V 10967
gf 3, 1 h

V 10804
h 2, 1 l

V 8358
gf 3, 1 h

V 8453
gf 3, 1 h

V 8467
gf 4, 0 h, 2 l

V 8452
gf 3, 1 h

V 10806
h 1, 2 l

V 12123
h 2, 1 l

V 10805
h 1, 2 l

V 10974
gf 3, 1 h

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1913phae.proj..990

Variables in M5
Mch 31, 1913

No 48

808
V 10977
h 1, 2 l

V 10973
g 3, 1 h

V 10452
h 1, 3 l

V 10460
g 3, 1 h

V 10458
h 2, 2 l

b 10149
h 1, 2 l

MW 85
h 2, 1 l

MW 105
h 2, 1 l

MW 109
h 2, 1 l

MW 82
h 1, 2 l

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1913phae.proj..990L

Variables in M5
Mch 31, 1913

No 48

MW 107
h 1, 2 l

MW 111
h 1, 2 l

MW 84
h 1, 2 l

MW 106
h 1, 2 l

MW 86
h 2, 0 l, 3 n

MW 110
h 2, 1 l

MW 112
h 2, 1 l

MW 108
h 1, 2 l

Very slight - variation - if any - in No 48

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1913phae.proj..999

Variables in M5
Mch 31, 1913

No 49

MW 105
l 3, 1 w

MW 109
l 3, 1 w

MW 82
l 3, 1 w

MW 107
l 3, 1 w

MW 111
l 3, 1 w

MW 84
l 3, 1 w

MW 106
l 3, 1 w

MW 86
l 3, 1 w

MW 110
l 3, 1 w

MW 112
l 3, 1 w

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1913phae.proj..990L

Variables in M5
Mch 31, 1913

No 49

MW 108
l 3, 1 w

MW 85
l 3, 1 w

ψ 10458
l 3, 1 w

ψ 10460
l 3, 0 w, 20

ψ 10452
l 3, 1 w

ψ 10973
l 3, 1 w

ψ 10808
l 2, 1 w

ψ 10974
l 3, 0 w, 20

ψ 10808[5]
l 3, 1 w

ψ 12123
l 1, 2 w

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1913phae.proj..999

Variables in M5
March 31, 1913

No 49 ψ 10806
l 3, 1 w

ψ 8452
l 3, 1 w

ψ 8467
l 2, 2 w

b 10149
w 1, 2 0 ?

ψ 8453
l 3, 1 w

ψ 8358
l 3, 1 w

ψ 10804
l 2, 1 w

ψ 10967
l 3, 1 w

I find no variation in No 49

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1913phae.proj..990

Variables in M5

Apr. 1913

No 50

MW 85
e 3, 1 f

MW 108
e 3, 1 f

MW 112
e 2, 2 f

MW 110
e 3, 1 f

MW 86
e 3, 1 f

MW 106
f 1, 3 g

MW 84
e 2, 2 f

MW 111
e 1, 3 f

MW 107
e 2, 2 f

MW 82
e 3, 0 f, 3 g

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1913phae.proj..9901

Variables in M5
Apr 1, 1913

No 50

MW 109
l 3, 1 f

MW 105
e 3, 1 f

b 10149
d 2, 1 e

v 10967
d 3, 1 e

v 10804
e 3, 1 f

v 8358
d 3, 1 e

x 8453
d 1, 2 e

x 8467
d 2, 2 e

x 8452
d 1, 3 e

v 10806
e 3, 1 f

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1913phae.proj..990L

Variables in M5
Apr 1, 1913

No 50

V 12123
d 2, 2 e

V 10805
f 1, 3 g

V 10974
c 4, 0 d, 3 e

V 10808
f 1, 3 g

V 10973
c 3, 1 d

V 10452
f 3, 1 g

V 10460
f 1, 4 g

V 10458
f 3, 1 g

No 50 is very close to another star - which make is difficult to measure.

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1913phae.proj..990

Variables in M5

Apr 3 1913

No 51 HD458

f 3, 1 g

MW 105

f 2, 2 g

MW 109

f 2, 2 g

MW 82

e 3, 0 f, 2 g

MW 107

f 3, 1 g

MW 111

f 2, 2 g

MW 106

f 2, 2 g

MW 84

f 2, 0 g, 3 h

MW 86

f 2, 2 g

MW 110

f 2, 2 g

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1913phae.proj..990L

Variables in M5
Apr 3, 1913

No 51

MW 112
f 3, 1 g

MW 108
f 2, 2 g

MW 85
f 3, 1 g

b 10149
c+, 2 f

b 10967
f 2, 3 g

b 10804
f 1, 3 g

b 8358
f 3, 2 g

b 8453
f 3, 1 g

b 8453
f 3, 2 g

b 8452
f 2, 3 g

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1913phae.proj..996

Variables in M5
Apr 3, 1913

No 51 ✕10806
f1, 4g

✕12123
f2, 3g

✕10805
f2, 3g

✕10974
f2, 3g

✕10808
e 4, 1f

✕10973
f3, 2g

✕10452
f3, 2g

✕10460
f3, ?g "g" very ft on this plate

No 51 difficult - very close to another star - cannot be separated on some of the ✕ plates.

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1913phae.proj..990L

Variables in M5
Apr. 9, 1913

No 52

MW 85
f3, 0h, 2l

MW 105
n2, 10

MW 109
f3, 1h

MW 82
f1, 3h

MW 104
f3, 0f, 3h

MW 111
h2, 0l, 3n

MW 106
h2, 1l

MW 84
h2, 1l

MW 86
l3, 1n

MW 110
f3, 1h

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1913phae.proj..990

Variables in M5
Apr 9, 1910

No 52 MW 108
q 1, 3 h

MW 112
h 2, 1 l

b 10149
q 3, 1 h

v 10458
h 3, 0 l, 3 n

v 10967
l 3, 1 n

Bon Bl. v 10804
l 3, 1 n

v 8358
l 2, 2 n

v 8453
q 3, 1 h

v 8467
q 3, 1 h

Bon Bl. v 8452
l 3, 1 n

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1913phae.proj..990L

Variables in M5
Apr 9, 1913

No 52

V10806
gr 2, 2 h

V12123
Rh 2, 1 l

V10805
f 3, 1 q

V10974
l 3, 1 m

V10808
l 3, 1 m

V10973
l 3, 1 m

V10452
l 3, 1 m

V10460
l 3, 1 m

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1913phae.proj..990

Variables in M5
Apr 9, 1913

No 53

MW 85
f 3, 1 g

MW 105
f 3, 1 g

MW 109
g 1, 3 h

MW 83
g 3, 1 h

MW 107
g 2, 2 h

MW 111
h 1, 2 l

MW 106
f 3, 0 g, 3 h

MW 84
h 1, 2 l

MW 86
f 3, 0 g, 3 h

MW 110
g 3, 1 h

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1913phae.proj..990L

Variables in M5
Apr. 9 1913

No 53

MW 108
g 3, 1 h

MW 112
g 3, 1 h

b 11149
Southern in reg. of 5

V 10460
f 3, 1 g

V 10452
f 3, 1 g

V 10973
f 3, 1 g

V 10808
f 3, 1 g ?

V 10974
g 1, 3 h

V 10805
f 3, 0 g, 3 h

V 12, 23
g 2, 2 h

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1913phot.proj..990

Variables in Mo
Apr 9, 1913

No 53

K 10806
f 3, 1 g

K 8452
f 1, 3 g

K 8467
f 2, 3 g

K 8453
f 3, 1 g

K 8358
f 3, 1 g

K 10804
Image in neg of v

K 10967
f 3, 1 g

K 10458
f 1, 3 h

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1913phae.proj..990L

Variables in M5
Apr 15, 1913

No 54

MW 112
n 1, 2 0

MW 108
l 3, 1 n

MW 110
n 1, 2 0

MW 86
n 2, 1 0

MW 84
n 2, 1 0

MW 106
l 3, 1 n

MW 111
n 1, 2 0

MW 107
l 3, 0 n 30

MW 82
0 1, 2 fr

MW 109
n 2, 1 0

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1913plate.proj..990L

Variables in M5
Apr 15, 1913

No 54 MW 105
l 1, 3 n

MW 85
n 1, 2 v

V 10967
Too faint in neg. of v.

b 10149
Too faint

V 10804
f 1, 3 g

V 8358
Too faint in neg. of v.

V 8453
Too faint

V 8467
g 1, 3 h

V 8452
Too faint.

V 10806
f 1, 2 g

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1913phae.proj..990L

Variables in M15
Apr 15, 1913

No 54

¥12123
Too faint in neg. of x

¥10805
q x, 1h ?

¥10974
Too faint

¥10808
Too faint

¥10973
Too faint

¥10452
l 3, 1 m

¥10460
l 3, 1 f ?

¥10458
l 3, 1 m

No 54 is a difficult star to measure as it is so close to two other stars as to be inseparable on the x plates.

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1913phae.proj..990

Variables in M5
Apr 15, 1913

No 55 MW 105
h 1, 3 n

MW 109
h 2, 1 l

MW 82
h 2, 0 l, 3 n

MW 107
h 1, 2 l

MW 111
h 1, 3 n

MW 106
h 1, 2 l

MW 84
h 2, 1 l

MW 110
h 2, 1 l

MW 86
h 2, 1 l

MW 108
h 1, 2 l

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1913phae.proj..990L

Variables in M5
Apr 15, 1913

~~MW No 55~~ MW 112
l 3, 1 n

MW 85
h 2, 1 l

V 10460
l 1, 3 n

V 10452
g 3, 1 h

V 10458
h 1, 3 l

V 10973
l 3, 1 n

V 10808
g 3, 1 h

V 10974
l 1, 3 n

V 10905
l 3, 1 n

V 12123
l 1, 3 n

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1913phae.proj..990L

Variables in M5
Apr 15, 1913

No 55 V10806
l 2, 2m

V8452
h 1, 2l

V8467
g 3, 1h

V8453
g 3, 1h

V8358
l 1, 2m ?

V10804
g 3, 1h

V10967
l 3, 1m

b 10149
h 1, 2l

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1913phae.proj..990L

Variables in M5
Apr 15, 1913

No 56

MW 85
h 1, 2 l
~~l +, 1 m~~

MW 105
l 2, 2 m

MW 109
m 1, 2 0

MW 82
q 3, 1 h

MW 107
l 3, 1 m

MW 111
l 3, 1 m

MW 106
l 2, 2 m

MW 84
q 3, 1 h

MW 110
m 1, 2 0

MW 86
h 2, 1 l

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1913phae.proj..99d

Variables in M5
Apr 15, 1913

No 56 MW 108
l 2, 2 n

MW 112
n 1, 2 0

k 10149
q 3, 1 h

k 10967
n 2, 1 0

k 10804
q 3, 1 h

k 8358
h 2, 1 l

k 8453
q 3, 1 h

k 8467
l 2, 1 n

k 8452
l 1, 3 n

k 10806
l 3, 1 n

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1913phae.proj..990L

Variables in M5
Apr 15, 1913

No 56

V 12123
q 1, 3 h

V 10805
l 3, 1 w

V 10974
l 2, 1 w

V 10808
h 1, 2 l

V 10973
h 2, 0 l, 3 w

V 10458
w 1, 2 0

V 10452
q 3, 1 h

V 10460
q 1, 5 q

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1913phae.proj..99d

Variables in M5
Apr 16, 1913

No 57 MW 85
l 1, 1 m

MW 105
h 2, 1 l

MW 109
l 2, 1 n

MW 82
l 2, 2 n

MW 107
l 1, 3 n

MW 111
h 1, 2 l

MW 106
h 2, 0 l, 3 n

MW 84
l 2, 2 n

MW 110
l 2, 2 n

MW 86
q 3, 1 h

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1913phae.proj..990L

Variables in M5
Apr 16, 1913

No 57 MW108
h 1, 3 n

MW112
g 3, 1 h

V 10460
g 2, 1 h

V 10452
h 1, 2 l

b 10149
Too faint

V 10458
g 3, 1 h

V 10973
g 3, 1 h

V 10808
g 1, 2 h

V 10974
g 3, 1 h

V 10805
h 1, 1 l

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1913phae.proj..99d

Variables in M5
Apr. 16, 1913

No 57 ✱ 12123
g 2, 1 h

✱ 10806
l 1, 3 w

✱ 8452
v. defective.

✱ 8467
g 3, 1 h

✱ 8453
g 1, 3 h;

✱ 8358
g 1, 3 h

✱ 10804
Too faint in neg. of 5.

✱ 10967
g 2, 2 h

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1913phae.proj..990

Variables in M5
Apr 17, 1913

No 58 MW 105
l 1, 2 n ?

♀ 10967
l 3, 1 n

♀ 10806
l 3, 1 n

♀ 8452
l 3, 1 n

♀ 8467
l 3, 1 n

♀ 8453
n F 1

♀ 8358
n 1, 10

♀ 10804
l 1, 2 n

♀ 10460
l 3, 0 n 30

♀ 10452
l n 2, 1 l

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1913phae.proj..99d

Variables in M5
Apr 17, 1913

No 58

V10458
l 1, 3 m

V10973
g 3, 2 h

V10808
l 2, 2 m

V10974
g 1, 4 h

V10805
l 2, 2 m

V12123
l 3, 1 m

b 10149
g 1, 3 h

MW 85
Not on pl.

MW 109
l 1, 3 m

MW 82
l 2, 1 m

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1913phae.proj..990L

Variables in M5
Apr 17, 1913

No 58

MW 107
l 2, 1-n

MW 111
l 1, 3-n

MW 106
l 1, 3-n

MW 84
l 3, 1-n ?

MW 110
l 3, 1-n

MW 86
l 3, 1-n

MW 108
l 3, 1-n

MW 112
l 3, 1-n

Star 58 is difficult to measure - especially on MW plates - it is a long way from comp. stars and on some plates the image is large & hazy -

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1913phae.proj..990

Variables in M5
Apr 17, 1913

No 59

MW 105
l 2, 1 n

MW 109
n 1, 20

MW 82
l 2, 1 n

MW 107
n 1, 20

MW 111
g 1, 3 h

MW 106
l 3, 0 n, 30

MW 84
l 3, 1 n

MW 110
g 3, 1 h

MW 86
l 3, 1 n

MW 108
l 3, 0 n, 30

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1913phae.proj..990L

Variables in M5
Apr 17, 1913

No 59

MW 112
g 3, 2 h

MW 85
h 3, 1 n

b 10149
g 3, 1 h

ψ 12120
h 2, 1 l

ψ 10805
l 2, 1 n

ψ 10974
l 2, 2 n?. var. doubtful.

χ 10808
l 1, 2 n

χ 10973
h 2, ol, 3 n

χ 10458
g 3, 1 h

ψ 10452
l 3, 1 n

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1913phae.proj..99G

Variables in Mo
Apr 17, 1913

No 59 K 10460
l 2, 2 n

K 10804
l 3, 0 n, 2 0

K 8358
l 3, 1 n

K 8453
Too faint

K 8467
l 3, 1 n

MW 8452
l 2, 2 n

K 10806
l 3, 1 n

K 10967
l 3, 1 n

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1913phae.proj..990L

Variables in M5

Apr. 19 1913

No 60

MW 85
l 1, 3 n

MW 105
g 3, 1 h

MW 109
l 2, 1 n

MW 82
h 1, 2 l

MW 107
h 2, 1 l

MW 111
l 3, 1 n

MW 106
h 1, 2 l

MW 84
l 2, 1 n

MW 110
l 3, 1 n

MW 86
l 3, 1 n

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1913phae.proj...990

Variables in M5
Apr 19, 1913

No 60 MW 108
h 1, 2 l

MW 112
l 1, 3 n

b 10149
Too faint in neg. of v.

x 12123
h 1, 2 l

x 10905
l 1, 3 n

x 10974
q r, 3 h

x 10808
~~h 2, 1 q~~
~~q 3, 1 h r~~

x 10978
q 1, 3 h

x 10458
q 4, 1 h

x 10452
h 1, 4 l

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1913phae.proj..990L

Variables in M5
Apr 19, 1913

No 60

V 10460
l 1, 3 m

V 10804
Too faint

V 8358
Too faint

V 8453
Too faint.

V 8467
Pn 2.0 l, 3 m

V 8452
l 1, 2 m:

V 10806
q 1, 3 l

V 10967
q 2, 2 l

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1913phae.proj..990

Variables in M5
Apr. 31, 1913

No 61

MW 85
h 1, 4 w

MW 105
g 3, 1 h

MW 109
h 1, 2 l

MW 82
g 1, 2 h

MW 107
g 1, 3 h

MW 111
h 2, 1 l

MW 106
g 2, 2 h

MW 84
g 3, 0 h, 2 l

MW 110
h 2, 1 l

MW 86
h 1, 2 l

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1913phae.proj..990L

Variables in M5
Apr 21, 1913

No 61 MW 108
g 3, 1 h

MW 112
h 2, 0 l, 3 w

b 10149
l 3, 1 w

k 10804
l 3, 1 w ?

k 10460
h 3, 1 l

k 10452
l 3, 1 w ?

k 10458
g 3, 1 h

k 10973
l 3, 1 w

k 10808
l 3, 0 w, 2 0

k 10974
l 3, 1 w

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1913phae.proj..990

Variables in M5
Apr 21, 1910

No 61 ↓10805
q 4, 1 h

↓12123
l 3, 0m, 20

↓10967
h 1, 3 l

↓10806
h 3, 1 l

↓8452
q 3, 1 h

↓8467
h 2, 2 l

↓8453
q 3, 1 h

↓8358
q 3, 1 h

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1913phae.proj..990L

Variables in M5

Apr 25 1913

No 62

MW 85
$q^{3,0}\ h,\ 2\ l$

MW 105
$l\ 2,\ 2\ n$

MW 109
$q^{3,2}\ h$

MW 82
$l_{3,1}\ n$

MW 107
$h\ 2,\ 1\ l$

MW 111
$q^{3,0}\ h,\ 2\ l$

MW 106
$h\ 2,\ 1\ l$

MW 84
$q^{3,1}\ h$

MW 110
$q^{3,2}\ h$

MW 86
$q^{3,1}\ h$

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1913phae.proj..990

Variables in M5
Apr 25, 1913

No 62

MW 108
gp 3, 1 h

MW 112
h 2, 1 l

b 10149
h 2, 1 l

+8358
l 2, 2 w

+8453
h 2, 1 l

+8467
gp 3, 1 h

+8452
l 1, 3 w

+10806
g 2, 3 h

+10967
h 3, 1 w

+12180
gp 3, 2 h

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1913phae.proj..990L

Variables in M5
Apr 25, 1913

No 62

Ψ10805
h 2, 1 l

Ψ10974
l 3, 1 m

Ψ10808
h 2, 1 l

Ψ10973
l 3, 1 m

Ψ10458
h 2, 1 l

Ψ10452
h 1, 2 l

Ψ10460
l 3, 1 m

Ψ10804
h 1, 2 l

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1913phae.proj..990

Variables in M5
Apr 25, 1913

No 63

Ψ 10804
h 3, 1 n

Ψ 10460
n 1, 20

Ψ 10452
h 3, 0 n, 20

Ψ 10458
h 3, 1 n

Ψ 10973
f 3, 1 g

Ψ 10808
h 3, 1 n

Ψ 10974
g 3, 1 h

Ψ 10805
h 1, 2 h

Ψ 12128
h 3, 0 n, 20

Ψ 10967
f 3, 1 g

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1913phae.proj..990L

Variables in M5
Apr. 25, 1913

No 63

#10806
h3,1m

#8452
h2,1l

#8467
h3,1m

#8453
h1,2l ?

#8358
f1,3g

b10149
h3,1m?

MW 85
h1,2l

MW 105
h3,1m

MW 109
g3,1h

MW 92
g3,1h

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1913phae.proj..990

Variables in M5
Apr 25, 1913

No 63

MW 107
g 1, 0 h

MW 111
h 2, 1 l

MW 106
h 1, 2 l

MW 84
g 2, 2 h

MW 110
h 1, 2 l

MW 86
g 3, 1 h

MW 108
g 2, 2 h

MW 112
h 2, 1 l

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1913phae.proj..990L

Variables in M5
Apr 28, 1913

No 64

MW 85
g 3, 1 h

MW 105
g 3, 1 h

MW 109
l 3, 1 w

MW 82
l 3, 0 w, 2 0

MW 107
h 1, 2 l

MW 111
l 3, 1 w

MW 106
g 3, 0 h, 2 l

MW 84
g 1, 3 h

MW 110
l 3, 1 w

MW 86
~~g 3, 1 g h ?~~
~~g 1, 2 h~~ ?

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1913phae.proj..990

Variables in M5
Apr 28, 1913

No 64

MW 108
h 2, 1 l

MW 112
l 3, 1 n

b 10149
f 1, 3 g

v 8358
g 2, 2 h

v 8453
g 3, 1 h

v 8467
l 3, 1 n

v 8452
f 4, 1 g

v 10806
l 3, 1 n

v 10967
h 2, 1 l

v 12123
l 3, 1 n

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1913phae.proj..990L

Variables in M5
Apr 28, 1913

No 64 MW 10805
k 1, 3 n

Y 10974
g 4, 1 h

Y 10808
k 1, 3 n

Y 10973
n 2, 1 0

Y 10458
g 4, 1 h

Y 10452
k 3, 0 n, 2 0

Y 10460
k 3, 1 n

Y 10804
k 3, 1 n

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1913phae.proj..990

Variables in M5
Apr 29 1913.

No 65

MW 85
n 1, 20

MW 112
h 1, 2 l

MW 108
f 3, 1 g

MW 86
l 3, 1 m

MW 110
g 3, 1 h

MW 84
n 2, 1 o

MW 106
n 1, 20

MW 111
h 2, 1 l

MW 107
h 2, 1 l

MW 82
n 2, 1 o

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1913phae.proj..990L

Variables in M5
Apr 29, 1913

No 65 MW 109,
g 3, 2 h

MW 105
n 2, 1 0

b 10179
Sharp in n. of v.

ψ 10460
f 3, 2 g

ψ 10452
n 2, 1 0

ψ 10458
k 3, 1 m

ψ 10973
g 2, 2 h

ψ 10808
g 2, 2 h

ψ 10974
g 3, 1 h

ψ 10805
l 3, 1 n

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1913phae.proj..990L

Variables in M5
Apr 29, 1913

No 65 ↓12123
h 2, 1 l

↓10967
f 3, 1 g

↓10806
n 2, 1 0 ?

↓8452.
f 3, 1 g

↓8467
l 3, 1 n

↓8453
f 3, 1 g

↓8358
h 2, 1 l

↓10804
Too poor.

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1913phae.proj..990L

Variables in M5
Apr 29, 1913

No 66

V 10804
gf 3, 1 h

V 8358
gf 3, 1 h

V 8453
gf 3, 1 h

V 8467
h 1, 3 m

V 8452
gf 2, 2 h

V 10806
h 1, 3 m

V 10967
gf 3, 1 h

V 12123
h 1, 2 h

V 10805
h 1, 2 h

V 10974
gf 3, 1 h

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1913phae.proj..990L

Variables in Mo
Apr 29, 1913

No 66 ↓10808
h 1, 2 l

↓10973
g 3, 1 h

↓ 10458
g 3, 2 h

↓10452
h 2, 1 l

↓10760
h 2, 1 l

MW 86
Not on plate.

MW 112
g 3, 1 h

MW 108
g 3, 2 h

MW 86
g 2, 3 h

MW 110
g 2, 3 h

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1913phae.proj..990L

Variables in M5
May 8, 1913

No 66

MW 84
h 1, 2 l

MW 106
g 2, 0 h

MW 111
g 4, 1 h

MW 107
g 2, 3 h

MW 92
h 1, 2 l

MW 109
g 2, 3 h

MW 105
g 1, 3 h

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1913phae.proj..990L

Variables in Mo
May 12, 1913

No 68

MW 85
Not on plate (broken)

MW 112
?

* 10460
l 3, 1 n

b 10179
h 1, 2 l

* 10452
h 1, 2 l

* 10458
h 2, 2 l

* 10973
g 3, 1 h

* 10808
h 1, 2 l

* 10974
g 3, 1 h

* 10805
g 3, 1 h

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1913phae.proj..990L

Variables in M5
May 13, 1913

No 68

↓ 12123
q 3, 1 h

↓ 10967
q 3, 1 h

↓ 10806
q 3, 2 h

↓ 8452
q 3, 1 h

↓ 8467
h 1, 2 l

↓ 8453
q 3, 1 h

↓ 10804
q 2, 2 h

↓ 8358
l 3, 2 n

On MW Plates, No 68 is towards the edge of the plate. image distorted and not comparable with images in sequence. too difficult to mear. with any degree of confidence -

E.F.S.

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1913phae.proj..996L

Variables in M5

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1913phae.proj..990L

Variables in M5
May 13, 1913

No 43

X 10452
gf 1, 3, 2 h

X 10460
gf 3, 1, h

X 10804
gf 1, 3 h

gf defective

X 8453
gf 1, 3 h

X 8467
h 1, 2 l

X 8452
gf 2, 3 h

X 10806
gf 1, 4 h

X 10967
gf 3, 2 h

X 12123
gf 1, 3 h

X 10805
f 3, 1 g

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1913phae.proj..990

Variables in M5
May 13, 1913

No 73

X 10974
gr. 3 h

X 10808
gr. 3, 1 h

X 10973
gr 1, 3 h

X 10458
gr 2. 3 h

X 8358
gr 2, 3 h

b 10149
h 1, 2 l

MW 85
Not on plate.

MW 112
gr 3, 1 h

MW 108
gr 2, 3 h

MW 86
gr 2, 3 gr

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1913phae.proj..990L

Variables in M5
May 14, 1913

No 73 MW 110
h 1, 2 L

MW 84
f 2, 2 g

MW 106
f 3, 2 g

MW 111
h 2, 1 l

MW 107
g 2, 3 h

MW 82
g 3, 2 h

MW 109
h 1, 2 l

MW 105
f 2, 3 g

No 73 is some distance from comp. stars - difficult.

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1913phae.proj..990

Variables in M5
May 15, 1913

No 74

K 10458
f 2, 3 g

K 10973
e 1, 5 f

K 10808
f 2, 3 g

K 10974
e 3, 3 f

K 10805
e 4, 2 f

K 12123
f 1, 4 g

K 10967
f 1, 4 g

K 10806
e 2, 4 f

K 8452
e 5, 1 f

K 8467
f 2, 4 g

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1913phae.proj..990L

Variables in M5

May 15, 1913

No 74

k 8453
d 3, 1 e

k 10804
k 1, 4 f

k 10460
f 1, 2 g (" g seems very ff on this plate)

k 10452
k 2, 4 f

k 8358
f 1, 4 g

b 10149
e 5, 1 f

MW 86
f 1, 4 g

MW 112
f 1, 4 g

MW 108
e 4, 1 f

MW 86
e 4, 1 f

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1913phae.proj..990

Variables in M5
May 15, 1913

No 74

MW 110
e 4, - f

MW 84
f 1, 3 g

MW 106
f 2, 3 g

MW 111
f 1, 4 g

MW 107
f 2, 3 g

MW 82
e 4, - f

MW 109
e 3, 2 f

MW 105
f 2, 3 g

No 74 is a double - somewhat difficult to meas. on MW Plates.

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1913phae.proj..990L

Variables in M5
May 15, 1913

No 75

MW 105
f 2, 3 h

MW 109
h 2, 1 l

MW 82
h 2, 1 l

MW 107
h 1, 2 l

MW 111
l 2, 3 m

MW 106
h 1, 2 l

MW 84
l 3, 1 m

MW 110
h 2, 1 l

MW 86
l 2, 2 m

MW 108
h 2, 1 l

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1913phae.proj..990L

Variables in M5
May 15, 1913

No 75

MW 112
l 2, 2 w

MW 85
w 1, 20

b 10149
h 2, 1 l

x ~~8358~~ 10452
h 2, 1 l

x 8358
l 3, 1 w

x 10460
q 3, 0 h, 2 l

x 10804
q 3, 1 h

x 8453
l 3, 1 w

x 8464
l 3, 1 w

x 8452
l 3, 1 w

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1913plate.proj...990L

Variables in M5
May 15, 1913

No 75 X10806
l 3, 1 w

X10967
h 2, 1 l

X12123
l 3, 1 w

X10805
l 2, 2 w

X10974
h 1, 2 l
1

X10808
l 1, 3 w

X10973
g 3, 1 h

X10458
g 4, 1 h

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