

KG
11365
742

SEB?

KG11365.742

KG 11365:742



4

15^h 00Sept. 23, 1903.Plate Estimate of Brightness of ϵ Orionis.

✓ M 1527

a 6 L	2.8	2.0	} 2.25 (2) 0 1.
b 3 L	2.3	2.2	
c 2 c	2.4	2.3	
d 2 d	2.7	2.6	

Cloudy.

✓

✓ M 233

a 10 L	3.2	2.4	} 2.25 (2) 0 1.
b 3 L	2.3	2.2	
c 2 c	2.4	2.3	
d ? ?	.	.	

✓ M 1499

a 8 L	3.0	2.2	} 2.60 (4) $\pm$ 2 0
b 5 L	2.5	2.4	
c 3 L	2.9	2.8	
d 2 d ?	2.7?	2.6?	

✓ M 1485

a 8 L	3.0	2.2	} 2.57 (4) $\pm$ 2 1
b 5 L	2.5	2.4	
c 3 L	2.9	2.8	
d 3 d	2.6	2.5	

✓ M 1478

a 6 L	2.8	2.0	} 2.60 (6) $\pm$ 1 1
b 5 L	2.5	2.4	
c 2 L	2.8	2.7	
d 1 d	2.8	2.7	

Sept. 23 1903.

Estimates Cont.

✓ M 1536

Hazy.

a 5 L	2.7	1.9	} 2.20 (3) 0 0 (2)
b 3 L	2.3	2.2	
c 3 v	2.3	2.2	
d 8 d	2.1	2.0	

✓ M 154 Aug?

a 4 L	2.6	1.8	} 2.43 (3) 2 12
b 3 L	2.3	2.2	
c 0 v	2.6	2.5	
d 2 d	2.7	2.6	

⊙ α Orionis

Used for First Reduction
Magn. King
59.6, 76.5
Apparent Magn. Reduced from zenith
March 4 1918
for Second Reduction
Magn. Reduced from zenith for α Orionis

a	1.90	2.20	1.38
b	2.00	2.00	1.91
c	2.61	2.61	2.50
d	2.69	2.90	2.81

To Reduce α to zenith, Subtract 0.10 from Results.

✓ M 1544 Aug?

a 7 L	2.9	2.1	} 2.43 (3) 3 13
b 2 L	2.2	2.1	
c 0 v	2.6	2.5	
d 2 d	2.7	2.7	

* α 1068 x Orionis

1880.

542.1 - 9 43 2.22 (?)

L 1100 β Aurigae 5 50.7 + 44 56 2.07

C 1104 δ Aurigae 5 51.5 + 37 12 2.67

α Ursae Minoris

See plate M 290.

✓ M 1547 Aug?

a not s.

b 5 L	2.5	2.4	} 2.60 ± 2.
c 3 L	2.9	2.8	

d n.v.?

✓ M 1552 Aug?

a 8 L	3.0	2.2	} 2.50 (3) 1 2 1
b 5 L	2.5	2.4	
c 2 L	2.8	2.7	
d 4 d	2.5	2.4	

Use apparent magnitudes of a, b, c, d for reduction.

Second Reduction throughout made with magnitudes of March 4.

Comparisons with a not used

c is equal to or fainter than c and there is no "d" not used unless

Sept. 23 1903.

Estimates Cont.

✓ M 1536

a 52	2.7	1.9	
b 32	2.3	2.2	} 2.20 (3) 0 0 (2)
c 32	2.3	2.2	
d 8d	2.1	2.0	

Hazy.

✓ M 1540_{erg}

a 42	2.6	1.8	
b 32	2.3	2.2	} 2.43 (3) 2 12
c 02	2.6	2.5	
d 2d	2.7	2.6	

• d
• c
• b
• a

Magn. King

59.5, 76.5

Used for
First
ReductionApparent Magn.
Reduced from
zeroMarch 4
1918
for Second ReductionMagn.
Reduced
to zero
for Orionis

a	1.90	2.20	1.38
b	2.00	2.00	1.91
c	2.61	2.61	2.50
d	2.69	2.90	2.81

To Reduce α to zero, Subtract 0.10 from Results.✓ M 1544_{erg}

a 72	2.9	2.1	
b 22	2.2	2.1	} 2.43 (3) 3 13
c 02	2.6	2.5	
d 2d	2.7	2.7	

✓ M 1547_{erg}

a not s.			
b 52	2.5	2.4	} 2.60 $\approx$ 2.
c 32	2.9	2.8	
d n.v.?			

Hazy

✓ M 15536_{erg}

a 82	3.0	2.2	
b 52	2.5	2.4	} 2.50 (3) 1 2 1
c 22	2.8	2.7	
d 4d	2.5	2.4	

Use apparent magnitudes of a, b, c, d
for reduction.Second Reduction throughout made
with magnitudes of M. A. H. H.Companions with a not used
" " d not used unless
 α is equal to or fainter than c and
there is no " ?.

6

Sept. 23 1903.

Estimates Cont.

✓ M 1560.

a 6 2	2.8	2.0	
b 2 2	2.2	2.1	2.15 (2) 1.0 (2)
c 3 2	2.3	2.2	
d 4 d	2.5	2.4	

✓ M 1566^{ing}

a 4 2	2.6	1.8	
b 2 2	2.2	2.1	2.25 (4) 1.2 (3)
c 1 2	2.5	2.4	
d 3 d	2.6	2.5	

✓ M 1574^{ing}

a 8 2	3.0	2.2	
b 5 2	2.5	2.4	2.57 (4) 2.1 (0)
c 2 2	2.4 2.8	2.3	
d 2 d	2.7	2.6	

✓ M 1583^{ing?}

a 8 2	3.0	2.2	2
b 4 2	2.4	2.3	2.43 (2) 1.20 (yellow?)
c 1 2	2.7	2.6	
d 4 d	2.5	2.4	

✓ M 1588^{ing?}

a 9 2	3.1	2.3	
b 5 2	2.5	2.4	2.67 (4) 3.11
c 3 2	2.9	2.8	
d 0 d	2.9	2.8	

Cloudy.

Sept. 23, 1903.
Estimates Cont.

✓ M 1592¹cy?

a 8 h	3.0	2.2	2.63 (4) <u>2</u> 12
b 5 h	2.5	2.4	
c 2 h	2.8	2.7	
2 0 d	2.9	2.8	

✓ M 1604

a 8 h	3.0	2.2	2.53 (3) <u>2</u> 21
b 4 h	2.4	2.3	
c 2 h	2.8	2.7	
2 2 d	2.7	2.6	

✓ M 1608

a 8 h	3.0	2.2	2.53 (3) <u>1</u> 20
b 5 h	2.5	2.4	
c 2 h	2.8	2.7	
2 3 d	2.6	2.5	

Cloudy.

✓ M 242

a 6 h	2.8	2.0	2.35 (4) <u>2</u> 1(4)
b 3 h	2.3	2.2	
2 0 c	2.6	2.5	
2 8 d	2.1	2.0	

Hazy.

✓ M 1609

a 8 h	3.0	2.2	2.53 (3) <u>1</u> 11
b 5 h	2.5	2.4	
c 1 h	2.7	2.6	
2 2 d	2.7	2.6	

Cloudy.

Sept. 23, 1903
Estimates Cont.

✓ M 16 15

a 9 d	3.1	2.3
b 4 d	2.4	2.3
c 2 d	2.8	2.7
d 2 d	2.7	2.6

$$\begin{array}{r} 53 \text{ (3)} \\ 2.4 \times 4 = 9.6 \\ \hline 10 \\ \hline \text{(2)} \quad 2.21 \end{array}$$

✓ M 16 21

a 8 d	3.0	2.2
b 3 d	2.3	2.2
c 2 c	2.4	2.3
d 8 d	2.1	2.0

$$2.25 \text{ (0) 0 1 (2)}$$

✓ M 16 23

a 8 d	3.0	2.2
b 5 d	2.5	2.4
c 0 c	2.6	2.5
d 7 d	2.2	2.1

$$2.45 \text{ (2) 0 1 (3)}$$

Slight haziness.

✓ M 17 88

a 3 a	2.5	1.7
b 4 d	2.4	2.3
c 2 d	2.8	2.7
d 3 d	2.6	2.5

Reject; Clouds.

✓ M 17 92

a 5 d	2.7	1.9
b 2 d	2.2	2.1
c 1 c	2.5	2.4
d 4 d	2.5	2.4

$$2.35 \text{ (1) 1 2 (2)}$$

Sept. 23 1903.
Estimates Cont.

✓ M 997

a 4 L	2.6	1.8	
b 2 L	2.2	2.1	2.25 (4) $\pm$ 2 (4)
L 1 c	2.5	2.4	
L 2 d	2.7	2.6	

✓ M 992

a 4 L	2.6	1.8	
b 2 L	2.2	2.1	2.20 (4) $\pm$ 1 (0)
L 2 c	2.4	2.3	
L 6 d ?	2.3?	2.2?	

✓ M 989

a 8 L	3.0	2.2	
b 4 L	2.4	2.3	2.47 (3) $\pm$ 10
c 1 L	2.7	2.6	
L 3 d	2.6	2.5	

✓ M 987

L 1 a	2.1	1.5	
b 4 L	2.4	2.3	2.37 (9) $\pm$ 1
L 0 c	2.6	2.5	
L 5 d	2.4	2.3	

✓ M 984

L 1 a ? ^{Significant}	2.1 ?	1.5?	
b 3 L ^{Irregular}	2.3	2.2	2.30 (8) $\pm$ 1.
L 1 c	2.5	2.4	
L 2 d	?		

"d" differs in shape - cannot estimate.

Sept. 24, 1903

Estimates of Brightness of α Orionis (Cont.)

mic = 2.15

M 1482

a 5 L	2.7	1.9		
b 3 L	2.3	2.2	} 2.30	<u>1.1</u>
c 1 C	2.7	2.4		
d 8 d	2.1	2.0		

M 979

a 7 L	2.9	2.1		
b 4 L	2.4	2.3	} 2.30	0.0
c 2 L	2.8	2.3		
d 3 d	2.6	2.5		

M 976

a 6 L	2.8	2.6		
b 3 L	2.3	2.2	} 2.43	<u>2.21</u>
c 1 L	2.7	2.6		
d 3 d	2.6	2.5		

M 971

~~Koppe~~ 2 4 a	~~2.6~~ 1.8	1.8		
b 8 L	2.8	2.7		
c 2 L	2.8	2.7		
d 4 L	2.5	3.2		

Rej. H. Henry, discordant

M 1958

a 8 L	3.0	2.2		
b 5 L	2.5	2.4	} 2.50	<u>1.01</u>
c 0 C	2.6	2.5		
d 2 d	2.9	2.6		

d has peculiar shape.

There are two objects in the circle, the circular one used for measurement is faint, unlike other images

Sept. 24, 1903.
Estimates Cont.

✓ M 1963

a 7 L	2.9	21		
b 5 L	2.5	24	} 2.40	00
L 1 c	2.5	24		
L 4 d	2.5	2.4		

✓ M 1965

a 8 L	3.0	22		
on edge b 5 L	2.5	24	} 2.47	100
plate L 0 c	2.6	2.5		
L 3 d	2.6	2.5		

✓ M 1516 erg.

a 8 L	3.0	22		
b 4 L	2.4	23	} 2.40	11
L 0 c	2.6	2.5		
L 1 d	2.8	2.7		

✓ M 1521

on a 9 L	3.1	2.3		
edge b 2 L	2.2	2.1	} 2.25	12
of L 1 c	2.5	2.4		
plate d 2 L	2.7	3.0		

✓ M 965

a 4 L	2.6 ↓	18		
b 3 L	2.3	2.2	} 2.35	21
L 0 c	2.6	2.5		
L 9 d	2.0	1.9		
d faint				

Sept. 24, 1903.

Estimate Cont.

✓ M 962 ✓

a 102	3.2	2.4		
b 32	2.3	2.2	2.50	<u>3</u> 12
c 12	2.7	2.6		
d 12	2.8	2.7		

✓ M 952 ✓

Reject plate star & appears abnormally faint.

Z.S.L. Mr. 28, 1917

a 32	2.5	1.7		
b 12	2.1	2.0		
c 102	3.6	3.5		
d 32	3.2	3.1		

✓ M 949 ✓

Cloudy

a 102	3.2	2.4		
b 42	2.4	2.3	2.47	<u>2</u> 10
c 12	2.7	2.6		
d 32	3.2	2.5		

apertures shape.

✓ M 944 ✓

a 92	3.1	2.3		
b 22	2.2	2.1	2.20	<u>1</u> 1
c 22	2.4	2.3		
d 62	2.3	2.2		

✓ M 939 ✓

a 102	3.2	2.4		
b 22	2.2	2.1	2.25	<u>1</u> 2
c 12	2.5	2.4		
d 02	2.9	2.8		

Sept. 24, 1903.

Estimates Count

✓ M 935.

a 10 L	3.2	2.4		
b 2 L	2.2	2.1	} 2.25 (2) 1.2 (11)	
c 1 C	2.5	2.4		
d 5 L	2.4	3.3		

✓ M 932.

a 2 L	2.4	1.6		
b 3 L	2.3	2.2	} 2.30	1.1
c 1 C	2.5	2.4		
d 1 d	2.8	2.7		

✓ M 929.

a 7 L	2.9	2.1		
b 3 L	2.3	2.2	} 2.53	3.22
c 2 L	2.8	2.7		
d 1 d	2.8	2.7		

✓ M 925.

a 10 L	3.2	2.4		
b 2 L	2.2	2.1	} 2.30	2.2
c 0 C	2.6	2.5		
d 2 L?	3.1?	3.0?		

✓ M 954.

a 7 L	2.9	2.1		
b 4 L	2.4	2.3	} 2.35	1.0
c 1 C	2.5	2.4		
d 0 d	2.9	2.8		

Sept. 24, 1903.

Estimates Cont.

✓ M 921 ✓

a 5 L	2.7	1.9		
b 2 L	2.2	2.17	2.20	1.1
L 2 C	2.4	2.3		
L ? d	?	.		

✓ M 916 ✓

a 8 L	3.0	2.2		
from plate b 3 L	2.3	2.2	2.25	0.1
L 2 C	2.4	2.3		Poor
L 5 d	2.4	2.3		

✓ M 901 ✓

a 6 L	2.8	2.0		
image b 5 L	2.5	2.4	2.35	0.1
from L 2 C	2.4	2.3		Poor
L 1 d	2.8	2.7		

✓ M 606 ✓

a 8 L	3.0	2.2		
b 3 L	2.3	2.2	2.37	(2) 2.10
L 0 C	2.6	2.5		
L 4 d	2.5	2.4		

✓ M 611

a 9 L	3.1	2.3		
b 4 L	2.4	2.3	2.45	1.2
c 1 L	2.5 2.7	2.6		Haze
L 8 d	2.1	2.0 R		

Light haze

Sept. 24, 19

Estimates Cont.

✓ M621 ✓

a 9 L	3.1	2.3		
b 8 L	2.8	2.7	} 2.76	000
c 2 L	2.8	2.7		
d 1 d	2.8	2.7		

✓ M625 ✓

Light clouds.

a 10 L	3.2	2.4		
b 5 L	2.5	2.4	} 2.55	<u>2</u> 1 Clouds
c 2 L	2.4	2.7		
d 3 L ?	3.2 ?	3.1 ?		

M640 ✓

Hazy.

a 6 L	2.8	2.6		
b 7 L	2.7	2.6	} 2.77	<u>2</u> <u>2</u> 3 Hazy
c 1 L	2.7	2.6		
d 2 L	3.1	3.0		

✓ M645 ✓

a 8 L	3.0	2.2		
b 4 L	2.4	2.3	} 2.35	<u>1</u> 0
c 1 c	2.5	2.4		
d 3 L	3.2	3.1 R		

3. d peculiar shape
 ✓ $\text{Time step} = 3.00$
 ✓ $\text{Imaginary} = 3.19$
 ✓ M653 ✓

a 20 L	4.20 ⁹ ~~0.20~~	,		
b 5 L	2.5	2.4		
c 2 L	2.8	2.7		
d 6 L ?	3.5 ?	3.4 ?		

Hazy

Regist. Hazy, Discard.

Sept. 24, 1903.

Estimates Cont.

✓ M 660 ✓

a 10 L	3.2	2.4				Light clouds.
b 8 L	2.8	2.7	} 2.65 (2) 10.	Clouds		
c 1 L	2.7	2.6				
d 2 d	?	.				

definitely not
comparable with other images

✓ M 664 ✓

Light haze.

a 10 L	3.2	2.4				
b 8 L	2.8	2.7	} 2.60	11	Haze	
c 10	2.6	2.5				
d 8 d	2.1	2.0				

✓ M 831 ✓

a 4 L	2.6	1.8				
b 3 L	2.3	2.2	} 2.20	00		
c 3 c	2.3	2.2				
d 2 d	2.7	2.6				

✓ M 835 ✓

Slightly hazy

a 6 L	2.8	2.0				
b 5 L	2.5	2.4	} 2.30	11	Slight Haze	
c 3 c	2.3	2.2				
d 1 L	3.0	2.9				

near edge.

✓ M 838 ✓

Slightly hazy

a 4 L	2.6	1.8				
b 2 L	2.2	2.1	} 2.05	10	Slight Haze	
c 5 c	2.1	2.0				
d 5 d	2.4	2.3				

Sept. 24, 1903.
Estimates Cont.

✓ M 842^v

Hazy

a 42	2.6	1.8		
b 52	2.6	2.47	2.35	0.1
22c	2.4	2.3		
21d	2.8	2.7		

✓ M 849^v

a 72	2.9			
a 82	2.9	2.1		
22b		1.7	1.92 ⁷	1 $\frac{3}{8}$ 2
232	1.8			
24c		2.1		
22c	2.2			
23d	?			
23d	?			
W.S.?				

✓ M 852^v

a 82	3.0	2.2		
b 22	2.2	2.1	2.20	0.1
22c	2.4	2.3		
23d	?			

✓ M 866^v

a 92	3.1	2.3		
22b	2.8	1.7	1.90	2.2
24c	2.2	2.1		
23d	2.6	2.5		

✓ M 870^v

a 32	2.5	1.7		
21b	1.9	1.8	1.87	2.12
24c	2.2	2.1		
23d	?			

Sept. 24, 1903

Estimates Cont.

M 879-

a 3 L	2.5	1.7		
b 2 L	2.2	2.1	} 2.15	<u>1.0</u>
c 3 C	2.3	2.2		
d 5 d	2.4	2.3		

M 888-

Slight haze

a 5 L	2.7	1.9		
b 4 L	2.4	2.3	} Rejit	
c 3 L	2.9	2.8		
d 2 d ?	2.7?	2.6?		

poor plate

M 894-

hazy

a 9 L	3.1	2.3		
b 4 L	2.4	2.3	} 2.53	<u>2.21</u>
c 2 L	2.8	2.7		
d 2 d	2.7	2.6		

poor images

M 249-

Reproducers

a 10 L	3.2	2.4	1.9	
b 1 b	1.9	1.8	1.9	} Rejit discard
c 4 c	2.2	2.1		
d 3 d	2.6	2.5		

M 252-

Hazy

a 9 L	3.1	2.1		
b 3 L	2.3	2.2	} 2.25	<u>0.1</u>
c 2 c	2.4	2.3		
d 4 d	2.5	2.4		

Sept. 24, 1903

Estimates Cont.

✓ M 25-9 ✓

Cloudy

a 8 L	3.0	2.2		
b 3 L	2.3	2.2	}	2.20 00
c 3 C	2.3	2.2		
d 4 d	2.5	2.4		

✓ M 263 ✓

Light haze

a 10 L	3.2	2.4		
b 2 L	2.2	2.1	}	2.05 10
c 5 C	2.1	2.0		
d 0 d	2.9	2.8		

✓ M 272 ✓

a 4 L	2.6	1.8		
b 3 L	2.3	2.2	}	2.20 00
c 3 C	2.3	2.2		
d 1 d ?	2.8?	2.7?		

✓ M 281 ✓

Light haze
Cloudy.

a 9 L	3.1	2.3		
b 1 L	2.1	2.0	}	2.05 01
c 4 C	2.2	2.1		
d 2 d	2.7	2.6		

✓ M 287 ✓

a 10 L	3.2	2.4		
b 2 L	2.2	2.1	}	2.20 11
c 2 C	2.4	2.3		
d 1 L	3.0	2.9		

Time = 3.30

20

Sept. 26 1903

Time = 1.00

Estimates Cont.

✓ M2339

Hazy

a 82	3.0	2.2		
b 52	2.5	2.4	2.35?	11
c 22?	2.8?	2.3?		
d 0 d	2.9	2.8		

✓ M2343^v

a 82	3.0	2.2		
b 52	2.5	2.4	2.35	01
c 22	2.4	2.3		
d 52	2.4	2.3		

✓ M2385^v

Slightly hazy.

a 62	2.8	2.0		
b 32	2.3	2.2	2.30	11
c 12	2.5	2.4		
d 0 d	2.9	2.8		

Images poor

✓ M2389^v

a n.s.	2.0			
b 52	2.5	2.4	2.63?	212
c 22	2.4	2.7		
d 0 d?	2.9?	2.8?		

poor images.

✓ M2607^v

a 102	3.2	2.4		
b 62	2.6	2.5	2.80?	(4)(3) = 2
c 12	2.7	2.6		
d 22	3.1	3.0		

Images poor.

Sept. 26, 1903

Estimates Cont.

✓ M 2336^v

a 10 ₂	3.2	2.4		
b 6 ₂	2.6	2.5	} 2.45	16
c 1 ₂	2.5-	2.4		
d 1 ₂ ?	2.8?	2.7?		

✓ M 2612^v

a 8 ₂	3.0	2.2		
b 6 ₂	2.6	2.5	} 2.67	<u>2.01</u>
c 2 ₂	2.8	2.7		
d 0 ₂	2.9	2.8		

✓ M 2625^v

a 10 ₂	3.2	2.4		
b 5 ₂	2.5-	2.4	} 2.60	<u>2.11</u>
c 2 ₂	2.8	2.7		
d 1 ₂	2.8	2.7		

✓ M 2637^v see p. 22

a 15 ₂	3.7	2.9		
b 6 ₂	2.6	2.5	} Rejit. Clouds	
c ? ₂	?	.		
d 1 ₂	~~3.0~~ 3.0	2.9		

image poor
due to clouds✓ M 2333^v

a 9 ₂	3.1	2.3		
b 5 ₂ ^{poor image}	2.5-	2.4	} 2.40	00
c 1 ₂	2.5-	2.4		
d 2 ₂	2.7	2.6		

Sept. 25, 1903.

Estimates, Cont.

✓ M 2652^v

a 10a	3.2	2.4		
b 1a	1.9	1.8	} 1.90 (5) 1 (4)	
c 5a	2.1	2.0		
d 5a	2.4	2.3		

✓ M 2327^v

plate
too
poor.

U.p.

✓ M 2637^v

sep. 21

a 8a	3.0	2.2		
b 1a	2.1	2.0	} 2.10 1 1	
c 3a	2.3	2.2		
d 1a	3.0	2.9		

✓ M 2661^v

a 10a	3.2			
b 5a	2.5	} 2.50 2.40 (4) 00 (4)		
c 1a	2.5			
d 0d?	2.9?			

✓ M 2666^v

a 10a	3.2			
b 8a	2.8	} 2.77 2.67 (3) 0 0		
c 1a	2.7			
d 1a	2.8			

Sept. 25, 1903

Estimates Cont.

✓ M 2325 ✓

hazy

a m.s. us

b 42 2.4

c 22 2.8

d 32 3.2
images poor.

Right dir

✓ M 2321 ✓

a 82 3.0

b 42 2.4

c 22 2.4

d 22 2.7

} 2.40 2.30 (1) 003

✓ M 2312 ✓

a 102 3.2

b 82 2.8

c 32 2.9

d 12 2.8

Images Poor.

} 2.85 2.75 (4) 010

✓ M 2310 ✓

a 102 3.2

b 62 2.6

c 12 2.7

d 52 2.4

} 2.65 2.55 (2) 01(2)

✓ M 2308 ✓

too tp

poor.

Sept. 25, 1903

Estimates given

M 2304 ✓	✓			
a 8 L	3.0			
b 5 L	2.5	} 2.40	2.30	1.1
c 3 L	2.3			
d 0 d	2.9			

Poor images

M 2301 ✓

a 4 L	2.6	✓		
b 3 L	2.3			
c 1 L ?	2.7 ?			
d 1 L ?	3.0 ?			

Very poor images

M 3171 ✓

Too poor.	6p			
-----------	----	--	--	--

M 3179 ✓

a 5 L	2.7			
b ? L	?			
c 2 L	2.4			
d ? d	?			

Images hazy.

M 3183 ✓

a 3 L	2.5			
b, c, d, not comparable with images of alpha	K.			

Reject; incomplete.

Started. 5.30.
 Missed few exps.
 as instrument had begun
 to work when plate
 holder was put in

Sept. 25, 1903

Estimates Cont.

✓ M 3185

Sky hazy.

a 6d 2.8

b 4d 2.4

c 2c 2.4

d 3d ~~2.6~~

} 2.40 2.30 00

✓ M 2707 ✓

a n.s. no

b 4d 2.4

c 2d 2.8

d 3d ~~2.6~~ 3.2

Rejit. Decid.

✓ M 295 ✓

a 10d 3.2 ✓

b 2d 2.2

c 2c 2.4

d 3d 2.6

} 2.30 2.20 1 1

✓ M 301 ✓

a 10d 3.2 ✓

b 3d 2.3

c 2c 2.4

d 1d 3.0

} 2.35 2.25 1 0

✓ M 305? ✓

Cloudy.

a 10d 3.2

b 3d 2.3

c 0d 2.6

d 2d 2.7

} 2.53 2.43² 1 2 1

Sept. 25, 1903

Estimates Cont.

✓ M 317^v

Soo

poor. tp

Cloudy.

✓ M 319^v

a 10 d 3.2

b 1 d 2.1

22 c 2.4

23 d 2.6

} 2.25 2.15 1.2✓ M 320^v

a 10 d 3.2

b 5 d 2.5

21 c 2.5

23 d 2.6

} 2.50 2.40 0.0

✓ M 323^v

a 9 d ?

b 3 d 2.3

20 c 2.6

24 d 2.5

} 2.47 2.37 2.10

Foggy

✓ M 325^v

a 10 d 3.2

b 0 d 2.0

24 c 2.2

21 d 2.8

} 2.10 2.00 1.1

Slightly cloudy

Sept. 25, 1903

Estimates Cont.

✓ M 327 ✓

a 10 d 3.2

b 5 d 2.5

c 20 c 2.6

d 22 d 2.7

}	260	2.50	1.01
---	-----	------	------

✓ M 329 ✓

a 10 d 3.2

b 4 d 2.4

c 1 c 2.5

d 3 d 2.6

}	2.45	2.35	0.1
---	------	------	-----

✓ M 337 ✓

a 10 d 3.2

b 5 d 2.5

c 2 d 2.8

d 0 d 2.9

Reprint. Demand.

Slightly cloudy

✓ M 338 ✓

a 10 d 3.2

b 5 d 2.5

c 20 c 2.6

d m.s. ? w.s. ?

}	2.55	2.45	1.0
---	------	------	-----

✓ M 3199 ✓

a 10 d 3.2 ✓

b 3 d 2.3

c 20 c 2.4

d 1 d 2.8

2.00

}	2.35	2.25	1.0
---	------	------	-----

Sept. 28, 1903.

Estimates Cont.

2.55

M 1803 ✓

a 10 d	3.2			
b 3 d	2.3	}	2.30	2.20 .00.
c 3 d	2.3			
d 4 d	2.5			

M 1808 ✓

a 6 d	2.8			
b 3 d	2.3	}	2.25	2.15 .10.
c 4 d	2.2			
d 5 d	2.4			

M 1812 ✓

a 7 d	2.9			
b 3 d	2.3	2.10	2.00	2.2.
c 7 c	~~2.1~~ 1.9	Prep.	2.08	..
d 8 d	2.1			

M 1815 ✓

Skey hazy

a 8 d	3.0	2.2		
b 3 d	1.7	1.6	Rejct Second	
c 5 d	2.1	2.0		
d 10 d	1.9			

M 1822 ✓

a 6 d	2.8			
b 3 d	2.3	}	2.30	2.20 .00.
c 3 d	2.3			
d 5 d	2.4			

Sept. 28, 1903

✓

M 1828^r

Slightly hazy.

a 42	2.6		
b 72	2.7	} Pup.	2.55 2.45 - 12.
c 22	2.4		
d 72	2.2		

✓ M 1832^r

a 102	3.2		
b 32	2.3	} 2.30 2.20 - 00.	
c 32	2.3		
d 52	2.4		

✓

M 1844^r

hazy

a 82	3.0		
b 32	2.3	} 2.30 2.20 - 00.	
c 32	2.3		
d 52	2.4		

✓ M 1850^r

a 102	3.2		
b 32	2.3	} 2.30 2.20 - 00.	
c 32	2.3		
d 02	2.9		

✓

M 1864^r

a 82	3.0		
b 32	2.3	} 2.35 2.25 - 10.	
c 22	2.4		
d 42	2.5		

Sept. 28, 1903.

M 1869.

a 8 d 3.0

b 4 d 2.4

c 1 c 2.5

d 4 d 2.5

} 2.45 2.35 . 0 1 .

M 1887.

a 10 d 3.2

b 3 d 2.3

c 5 c 2.1

d 2 d 2.7

} 2.20 2.10 . 1 1 .

M 1891.

a 10 d 3.2

b 3 d 2.3

c 4 c 2.2

d 3 d ? 3.2?

} 2.25 2.15 . 1 0 .

M 1895.

a 8 d 3.0

b 3 d 2.3

c 1 c ?

d 3 d 2.6

Rept. Incomplete

M 1916.

a 6 d 2.8

b 3 d ? 2.3?

c 3 c 2.3

d 5 d 2.4

} 2.30 2.20 . 0 0 .

Hazy.

Sept. 28, 1903.

✓ M 1918

a 6 d	2.8
b 3 d	2.3
2 3 v	2.3
2 2 d	2.7

}	2.30	2.20	00
---	------	------	----

✓ M 1922

a 6 d	2.8
b 5 d	2.5
2 2 d ?	2.8
2 1 d	2.8

four images

}	2.70 ?	2.60	2 11
---	--------	------	------

✓ M 1933

a 10 d	3.2
b 4 d	2.4
2 2 v	2.4
2 11 d	1.9

}	2.40	2.36	00
---	------	------	----

✓ M 1939

a 8 d	3.0
b 3 d	2.3
2 3 v	2.3
2 6 d	2.3

}	2.30	2.20	00
---	------	------	----

Cloudy-

✓ M 1941

a 8 d	3.0
b 5 d	2.5
2 2 v	2.4
2 3 d	2.6

}	2.45	2.35	10
---	------	------	----

Sept. 28, 1903.

M 1943.

a 7d	2.9	}	2.15	2.05	.01.
b 2d	2.2				
c 5d	2.1				
d 7d	2.2				

M 1944.

a 8d	3.0	}	2.50	2.40	.211
b 3d	2.3				
c 1d	2.6				
d 3d	2.6				

M 1952.

a 10d	3.2	}	2.67?	2.57?	.210
b 5d	2.5				
c 2d	2.8				
d 2d?	2.7?				

M 2346.

see p. 50

a 7d	2.9	}	2.55 ⁶³	2.53	.102
b 5d	2.5				
c 1d	2.6				
d 1d	2.8				

M 2354.

a 7d	2.9	}	2.57	2.47	.010
b 6d	2.6				
c 1d	2.5				
d 3d	2.6				

image from

Sept. 28, 1903.

M2359^v M^a

a 10d 3.2

b 5d 2.5

c 2d 2.8

h 2d 2.7

$$\left. \begin{array}{l} 2.67 \\ 2.57 \\ 2.10 \end{array} \right\}$$
M2367^v

a 3d 2.5

b 7d 2.8

c 4d 3.0

h 1d 2.8

$$\left. \begin{array}{l} 2.90 \\ 2.80 \\ 2.11 \end{array} \right\}$$

images poor

M3414^v

a 10d 3.2

b 5d 2.5

h 2c 2.4

h 8d 2.1

$$\left. \begin{array}{l} 2.45 \\ 2.35 \\ 2.10 \end{array} \right\}$$

Slightly cloudy

M3408^v

a 6d 2.8

b 2d 2.2

h 3c 2.3

h 8d 2.1

$$\left. \begin{array}{l} 2.25 \\ 2.15 \\ 2.01 \end{array} \right\}$$

12.11.2

M3407^v

a 7d 2.9

b 0d 2.0

h 3d/c 2.3

h 2d 2.7

$$\left. \begin{array}{l} 2.15 \\ 2.05 \\ 2.1 \end{array} \right\}$$

2.30 - fine

Sept. 30, 1903.

time = 1.30

✓ M 3394

a 82	3.0	}	2.40	2.30	. 00 .
b 42	2.4				
c 20	2.4				
d 22	3.1				

✓ M 3390

a 102	3.2	}	2.40	2.30	. 11 .
b 52	2.5				
c 30	2.3				
d 22	2.7				

✓ M 3385

a 102	3.2	}	2.40	2.30	. 00 .
b 42	2.4				
c 20	2.4				
d 22	2.7				

✓ M 3380

a 82	3.0	}	2.35	2.25	. 10 .
b 32	2.3				
c 20	2.4				
d 12	3.0				

✓ M 33877

a 102	3.2	}	2.50	2.40	. 00 .
b 52	2.5				
c 10	2.5				
d 12	3.0				

Sept. 30, 1903.

✓
M 3368

a 82 3.0

b 42 2.4

c 02 2.6

d 52 2.4

} 2.47 2.37 . $\frac{1}{2}$ 11✓
M 3363

a 82 3.0

b 12 2.1

c 32 2.3

d 22 3.1

} 2.20 2.10 . 11.

✓
M 3358

a 92 3.1

b 22 2.2

c 32 2.3

d 12 3.0

} 2.25 2.15 . 01.

✓
M 3354

* a 102 3.2

d 12 1.9

c 52 2.1

d 32 2.6

} 2.00 1.90 . 11.

M 3350

a 72 2.9

b 22 2.2

c 22 2.4

d 32 2.6

} 2.30 2.20 . 11.

image poor.

Sept. 30, 1903.

M 3347

a 10 L 3.2

b 3 L 2.3

L 2 C 2.4

L 2 d 2.7

images poor

} 2.35 2.25 . 10
01.

M 3342

a 8 L 3.0

b 3 L 2.3

L 2 C 2.4

d 2 L 3.1

images poor.

} 2.35 2.25 10.

M 3338

a 5 L 2.7

b 6 L 2.6

L 0 C 2.6

d 1 L 3.0

images very poor.

} 2.60 2.50 . 00.

M 3334

a 8 L 3.0

b 4 L 2.4

L 2 C 2.4

L 3 d L 2.6

images poor.

} 2.40 2.30 2.00.

M 3330

a 10 L 3.2

L 1 b 1.9

L 3 C 2.3

L 1 d 2.8

} 2.10 2.00 . 2.2.

Sept. 30, 1903.

✓ M 3327
too
poor TP

M 3323

a 8 L	3.0			
b 2 L	2.2	}	2.30	2.20 . 11.
L 2 C	2.4			
L 3 d	2.6			

image poor

✓ M 3319

a 6 L	2.8			
b 3 L	2.3	}	2.30	2.20 . 00 .
L 3 C	2.2			
L 4 d	2.5			

image poor

✓ M 3310

a 6 L	2.8			
b 3 L	2.3	}	2.30	2.20 . 00 .
L 3 C	2.3			
L 3 d	2.6			

image poor

✓ M 3305

a 10 L	3.2			
b 5 L	2.5	}		Repeat. Poor
c 2 L ?	2.8?			
L 1 d	2.8			

image poor

Sept. 30, 1903.

M 1911

a 8 L 3.0

L 5 b { 1.5

L 10 c { 1.6

L 3 d { 2.6

Ryint - Durond

M 2136

So poor.

tp

M 2172

a 9 L 3.1

L 1 b 1.9

L 8 c 1.8

L 5 d 2.4

} 1.85 1.75 1.0

M 2174

a 10 L 3.2

b 5 L 2.5

L 3 c 2.3

d 1 L 3.0

} 2.40 2.30 1.1

peculiar shape

M 2178

a 10 L 3.2?

b 2 L 2.2

L 3 c 2.3

L 1 d 2.8

} 2.25 2.15 0.1

Sept. 30, 1903

✓ M2182

a 12 ?

22b 1.8

28c 1.6

22d 3.1

} 1.70 1.60 - 1.1

✓ M2186

a 10d 3.2

b 12 2.1

24c 2.2

25d 2.4

} 2.15 2.05 - 1.0

✓ M2195

a m.s. ? no?

b 12 2.1

24c 2.2

22d 2.7

} 2.15 2.05 - 1.0

✓ M2198

a 10d 2.2

b 32 2.3

25c 2.1

21d? 2.8?

} 2.20 2.10 - 1.1

✓ M2228

a 8d 3.0

b 2d 2.2

23c 2.3

d 1d 3.0

} 2.25 2.15 - 0.1

Sept. 30, 1903.

✓ M 2221

a 10 d	3.2			
b 4 d	2.5	}	2.63	2.53 . 11
c 1 d	2.7			
d 2 d	2.7			

✓ M 2218

a 10 d	3.2			
b 4 d	2.4	}	2.35	2.25 . 91
c 3 d	2.3			
d 3 d	3.1			

✓ M 2214

a 10 d	3.2?			
b 4 d	2.4	}	2.45	2.35 . 01
c 1 d	2.5			
d 1 d	3.0			

✓ M 2231

a 5 d	2.7			
b 6 d	2.6	}	2.45	2.35 . 21
c 3 d	2.3			
d 4 d	2.5			

Pup.

2.30

✓ M 2234

a 10 d	3.2?			
b 8 d	2.8	}	2.83	2.73 . 001
c 2 d	2.8			
d 0 d	2.9			

Sept. 30, 1903.

✓ M2245
too poor. 6p

✓ M2248

a 8d 3.0

b 5d 2.5

c 3c 2.3

d 1d 2.8

images
poor

} 2.40 2.30 . . 1.

✓ M2255

a 8d 3.0

b 1b 1.9

c 3c 2.3

d 2d 4

d peculiar type
faint

} 2.10 2.00 ^p . 2.2.

✓ M2256

a 5d 2.1

b 3d 2.3

c 0c 2.6

d 3d 2.6

images
poor

} 2.50 2.40 ^p . 2.11

✓ M2265

a 5d 2.5

b 3d 2.3

c 2c 2.4

d 3d 2.6

images very
poor

} 2.35 2.25 . 1.0.

Sept. 30, 1903

M2266

a 8d	3.0			
b 4d	2.4	}	2.55	^b 2.45 . 21.
c 1d	2.7			
d 2d	3.1			

images very faint

M2273

a 10d	3.2			
b 1d	2.1	}	2.20	2.10 . 11.
c 3c	2.3			
d 1d?	2.8?			

M2277

a 8d	3.0			
b 6d	2.6	}	2.65	2.55 . 01.
c 1d	2.7			
d 2d	3.1			

M2282

a 10d	3.2			
b 5d	2.5	}	2.50	2.40 . 00.
c 1c	2.5			
d 10d	1.9			

M2284

Rijck plate - 6 abnormally faint? H.S.L. Nov. 26, 1917

a 10d	3.2			
b 6b	1.4			
c 2d	2.4			
d 10d	1.9			

Sept. 30, 1903

✓ M 2286

a 42 2.6

b 52 2.5

c 22 2.8

d 02 2.9

} 2.85 2.75 .01.

✓ M 2294

a 82 3.0

b 52 2.5

c 12 2.5

d 22 2.7

images
poor

} 2.50 2.40 .00.

✓ M 2298

a 82 3.0

b 52 2.5

c 12 2.7

d 02 2.9

poor images

Rejit. Discord.

✓ M 3163

a 52 2.7

b 62? 2.6?

c 32 2.3

d 52 2.4

images
poor

Rejit. Discord.

✓ M 3147

a 10? 3.2?

b 42 2.4

c 22 2.4

d 12 3.0

2.40 time

} 2.40 2.30 .00.

Oct. 19, 1903

Time 12.35
M 4399

a 42	2.6	}	2.15	2.05 . 01 .
b 22	2.2			
25c	2.1			
22d	2.7			

M 4402

a 82	3.0	}	2.45	2.35 . 10 .
b 52	2.5			
22c	2.4			
22d	3.1			

Poor plate

M 4422

a off plate	op.	}	2.10	2.00 . 00 .
b 12	2.1			
25c	2.1			
23d	2.6			

M 4478

a 72	2.9	}	2.45	2.35 . 10 .
b 52	2.5			
21c α 2c	2.4			
22d α 1d	2.8			

M 4483

a 52	2.7	}	2.30	2.20 . 00 .
b 32	2.3			
23d c	2.3			
23d d	2.6			

Oct. 19, 1903.

✓
M 4308

a 5 d	2.7 ✓				
b 4 d	2.4	}	2.50	2.40	$\frac{1}{8}$ 2 1
c 1 d	2.7				
d 5 d	2.4				

✓
M 4314

a 4 d	2.6 ✓				
b 5 d	2.5	}	2.60	2.50	. 1 0 1
c 0 c	2.6				
d 2 d	2.7				

✓
M 3787

a 7 d	2.9				
b 3 d	2.3	}	2.40	2.30	. 1 1 .
c 1 c	2.5				
d 2 d	2.7				

✓
M 3794

a 10 d	3.2				
b 3 d	2.3	}	2.30	2.20	. 0 0 .
c 3 c	2.3				
d 3 d	2.6				

✓
M 3796

a 10 d	3.2				
b 3 d	2.3	}	2.25	2.15	. 1 0 .
c 4 c	2.2				
d 8 d	2.1				

Oct. 19, 1903

M 3803

a 10d	3.2			
b 4d	2.4	}	2.35	2.25 . 01 .
c 3c	2.3			
d 2d	2.7			

M 3808

a 10d	3.2			
b 10b	2.0	}	2.05	1.95 . 01 .
c 15c	2.1			
d 1d?	2.8?			

d peculiar shape

M 3811

a 7d	2.9			
b 1d	2.1	}	2.00	1.90 . 11 .
c 7c	1.9			
d 5d	2.4			

M 3820

a 8d	3.0			
b 1d	2.1	}	2.30	2.20 . 22 .
c 1c	2.5			
d 2d	2.7			

Images poor

M 3825

a 10d	3.2			
b 3d	2.3			
c 10c	2.6			
d 1d	2.8			

Images poor

Right - direct

Oct. 19, 1903

✓
M3830

a 10 d	3.2			
L 1 b	1.9	}	2.00	1.90 . 1.1.
L 5 c	2.1			
L 1 d	2.8			

✓
M3833

a 8 d	3.0			
L 0 b	2.0	}	2.20	2.10 . <u>2</u> 2.
L 2 c	2.4			
L 1 d	2.8			

✓
M3837

a 7 d	2.9			
b 4 d	2.4	}	2.55	2.45 : <u>2</u> 1.
c 1 d	2.7 2.6			
d 1 d	3.0			

✓
M3840

Reject plate "c very faint." Nov. 26, 1917

a 8 d	3.0
L 1 b	1.9
L 10 ? c	1.6?
L 1 d	2.8

c very faint

✓
M3848

a 4 d	2.6			
L 1 b	2.1	}	2.05	1.95 . 1.0.
L 6 c	~~2.0~~ 2.0			
L 5 d	2.4			

Oct. 19, 1903.

M 3853

a 72	2.9	}	2.25	2.15	.01.
b 22	2.2				
c 30	2.3				
d 20	2.7				

M 3856

a 42	2.6	}	2.15	2.05	.01.
b 22	2.2				
c 50	2.1				
d 30	2.6				

M 3859

a 102	3.2	}	1.80	1.70	.00.
b 20	1.8				
c 80	1.8				
d 10?	2.8?				

M 3863

a 82	3.0	}	2.20	2.10	.11.
b 12	2.1				
c 30	2.5				
d 20?	2.7?				

M 3875

a 102	3.2	}	2.35	2.25	.10.
b 32	2.3				
c 20	2.4				
d 12	3.0				

Oct. 19, 1903

✓ M 3879

a 72	2.9	}	2.25	2.15	. 01.
b 22	2.2				
c 3 c	2.3				
d 3 d	2.6				

✓ M 3884

Too

near e
edge

✓ M 3888

a 82	3.0	}	2.15	2.05	. 10.
b 12	2.1				
c 4 c	2.2				
d 3 d	2.6				

✓ M 3897

a 42	2.6	}	2.20	2.10	. 00.
b 22	2.2				
c 4 c	2.2				
d 5 d	2.4				

✓ M 3926

a 102	3.2	}	2.70	2.60	. 2 11
b 52	2.5				
c 22	2.8				
d 1 d	2.8				

image
too

Oct. 19, 1903

M 2346

a 82

3.0

see p. 32

b 92

2.9

2.83

2.73 .122

c 02

2.6

d 12?

3.0?

Region according
to Plummer is 850

M 3411

does

not

identify

M 3412

a 82

3.0

b 22

?

Repeat

c 42

2.2

d 82

2.1

Why is b faint?

M 2383

does

not

identify?

M 4413

So

near

edge

c

Oct. 19, 1903.

✓
M 4425

a 4d 2.6 see p 57

b 3d 2.3 Rejit

c 1d 2.7

d 1d? 3.0?

Images for

✓
M 4454

a 5d 2.7

b 2d 2.2 } 2.15 2.05 . 01 .

c 5d 2.1 }

d 5d? 2.4?

faint

M 4457 see p 92

a 8d 3.0

b 3d 2.3 } 2.35 2.25 . 10 .

c 2d 2.4 }

d 3d 2.6

✓
M 4471

see p 57

a 5d 2.7

b 3d 2.3

c 0d 2.6 } 2.50 2.40 . 2 11

d 3d 2.6 }

✓
M 4320

a 10d 3.2

b 5d 2.5 } 2.70 2.60 . 2 11

c 2d 2.8 }

d 1d? 2.8?

Images for

1.35

Dec. 4, 19031115
M 1160

a 3 d 2.5

b 3 d 2.3

c 2 c 2.4

c 2 d 2.9?

} 2.35 2.25 . 10.

f is faint

M 1168

a 8 d 3.0

b 4 d 2.4

c 2 c 2.4

c 2 d 9

} 2.40 2.30 . 00.

f is defective

M 1174

a 8 d 3.0

b 3 d 2.3

c 2 c 2.4

c 5 d 2.4

} 2.35 2.25 . 10.

M 1178

a 6 d 2.8

b 3 d 2.3

c 1 c 2.5

c 2 d 2.7

} 2.40 2.30 . 11.

M 1184

a 10 d 3.2

b 5 d ? 2.5?

c 1 d ? 2.7?

c 2 d ?

b & c are
sound images

Reject Plate. Images not comparable. Nov. 26, 1917

Dec. 4, 1903

✓

M 1187

a 8d	3.0			
b 2d	2.2	}	2.35	2.25 . 21.
21c	2.5			
25d	2.4	Prop. 2	2.30	.

✓
M 1199

a 4d	2.6			
b 5d	2.5	}	2.50	2.40 . 00.
21c	2.5			
23d	2.6			

✓
M 1193

a 6d	2.8			
b 3d	2.3	}	⁴⁰ 2.35	³⁰ 2.25 . 11.
21c	2.5			
22d	2.7			

✓
speculiar
shape.
M 1202

a 5d	2.7			
b 3d	2.3	}	2.35	2.25 . 10.
22c	2.4			
27d	2.1			

✓
M 1206
2 very bright
Too bright for
comparison
with any of
the stars in
the sequence

Dec. 4, 1903.

M 1214

a 42

2.6

b 82

2.8

Rej. d.

c 12

2.5

2.65

2.55 . 21 .

d 32 ?

3.2 ?

Prop.

2.43

M 1224

a 62

2.8

Rej. d. Decid.

b 22

2.2

c 02

2.6

d 12

2.8

peculiar shape

M 1226

Rej. d. Plats. b faint (or c bright) Nov. 27, 1917

a 82

3.0

b 42

2.4

c 102

3.6

d 02

2.9

peculiar shape

M 1230

a 42

2.6

b 52

2.5

2.60

2.50 . 11 .

c 12

2.7

d 12

2.8

peculiar

M 1234

a 82

3.0

b 52

2.5

2.65

2.55 . 12 .

c 22

2.8

d 12

2.8

peculiar

Dec. 4, 1903.

✓ M 1237

a 4 L 2.6

b 6 L 2.6

c 1 v 2.5

d 2 d.
peculiar 1

} 2.55 2.45 . 01.

✓ M 4908

a 4 L 2.6

b 5 L 2.5

c 1 L 2.7

d 1 L 3.0

} 2.60 2.50 . 11.

✓ M 4504

Region
off L
not on
plate ✓

✓ M 4905

a m.s. us.

b 1 L 2.1

c 2 v 2.4

d 1 d 2.8

} 2.25 2.15 . 12.
2.10
Pup. 2.10 2.00 .

✓ M 4885

a m.s. n.s.

c 3 b 1.7

c 5 c 2.1

c 8 d 2.1

On edge of
plate

Reprint. edge, Disc.

Dec. 4, 1903.

M 4882

a 4d	2.6			
b 2d	2.2	}	2.25	2.15 .01.
c 3c	2.3			
d 8d	2.1			

M 1127

a 5d	2.7			
b 4d	2.4	}	2.40	2.30 .00.
c 2c	2.4			
d 5d	2.4			

M 1151

a 5d	2.7			
b 2d	2.2	}	2.25	2.15 .01.
c 3c	2.3			
d n.s. ?	ns?			

M 4402

see p 44

a 10d	3.2			
b 4d	2.4	}	2.45	2.35 .01.
c 1c	2.5			
d 8d	2.1			

M 4413

see p 56

Too near
edge of
plate

Dec. 4, 1903

M 4482

a m.s. us

23d ~~2.3~~ ^{1.7}

Rejint. edge

25c 2.1

25d 2.4
on edge of plate

M 4425

see p 51

a5d 2.7

b3d 2.3

c2d 2.8

Rejint.

23d 2.6
specular

M 4954

a4d 2.6

b2d 2.2

23c 2.3

2?d ?

2.25 2.15 . 01.

M 4503

a5d 2.7

b3d 2.3

21c 2.5

23d 2.6

2.40 2.30 . 11.

d peculiar

Prop. 2 2.35 .

M 4471

see p 51

a4d 2.6

b1d 2.1

22c 2.4

25d 2.4

2.25 2.15 . 12.

Prop. 2.30 .

Dec. 4, 1903

M4478

p 44

a 8d 3.0

b 3d 2.3

c 1d 2.7

2 1d 2.8

}	2.60	2.50	3.12

M4483

a 5d 2.7 see p 44

b 2d 2.2

c 1c 2.5

2 5d 2.4 Prop.

}	2.35	2.25	2.1

M4506

a 2d 2.4

b 3d 2.3

c 2c 2.4

2 5d 2.4

}	2.35	2.25	1.0

M4509

a 7d 2.9

b 3d 2.3

c 1c 2.5

2 1d ? 2.8?

}	2.35	2.25	1.1

peculiar

M4515

a 5d 2.7

b 2d 2.2

c 3c 2.3

2 8d 2.1

}	2.25	2.15	0.1

peculiar.

Dec. 4, 1903.

✓
M4513

a7d	2.9	}	2.20	2.10	.11.
b3d	2.3				
25c	2.1				
23d	2.6				

✓
M4520

a3d	2.5	}	2.20	2.10	.00.
b2d	2.2				
24c	2.2				
23d	2.6				

✓
M4524Does
not
cover
regions.✓
M4776

a6d	2.8	Rejnt disord.
b2d	2.2	
28c	1.6	
21d	~~2.8~~ 2.8	

✓
M4887
Moon is
in region P
L and L is.
not seen.
Poor plate.

Dec. 4, 1903.

M 4903

region of Orionis ✓

Plate does

not cover

region of

L Orionis.

M 4898

Plate

does not ✓

cover re-

gion of L?

M 4897

Plate does

not cover

region of

L Orionis.

M 4814

a 4 L

2.6

1.87

1.83

1.0012.

L 2 b

1.8

1.7

L 5 c

2.1

2.0

L 3 d

2.6

M 4831

a 7 L

2.9

2.1

2.20

1.10.

b 4 L

2.4

2.3

L 3 c

2.3

2.2

L 4 d

2.5

Dec. 4, 1903.

M^v 4838Plate
too
poor.

v.p.

M^v 4842

a 10d 3.2

b 8d 2.8

c 3d 2.3 ²2.9

d 10d 3.9

peculiar
type plateM^v 4841

a ? 0

b 3d 2.3

c 1d 2.7

d 8d 2.1

} 2.85 2.75 . 01.

Repeat Decid.

M^v 4844

a 4d 3.6

b 3d 2.3

c 1d 2.7

d 5d 2.4

} 2.47² 2.37[?] . 2.21M^v 4851

a 5d 2.7

b 3d 2.3

c 2d 2.4

d 2d 2.7

peculiar

} 2.35 2.25 . 10.

Dec. 4, 1903

M 4816

a 2d	2.4			
b 1d	2.1	2.05	1.95	.10
2 6c	2.0			
2 7d	2.2			

M 4824

a off pl.				
b 1d	2.1	}	2.25	2.15 .12
2 2c	~~1.8~~ 2.4			
2 1d	2.8	Profr	2.10	
On edge of pl.				

M 4846

a 5d	2.7			
b 2d	2.2	}	2.20	2.10 .00
2 4c	2.2			
d n. s.	u.			

M 4855

a 4d	2.6			
b 2d	2.2	}	2.15	2.05 .01
2 5c	2.1			
2 6d	2.3			

M 4863

a 3d	2.5			
b 2d	2.2	}	2.30	2.20 $\frac{1}{2}$ 1.
2 2c	2.4			
2 2d	2.7			
11.56				

Dec. 7, 1903✓ 2.50
M 3206

a 4d	2.6	1.8
l 1b	1.9	1.9
l 2c	2.4	2.4
l 2d	2.7	2.7

Reprint Discard

✓
M 3214

a 7d	2.9
b 3d	2.3
l 1c	2.5
l 2d	2.7

} 2.40 2.30 . 11.

✓
M 3217

a 10d	3.2
b 2d	2.2
l 1d	~~2.5~~ 2.7
l 3d	2.6

} 2.65 2.55 . . 10

✓
M 3220

a 7d	2.9
b 3d	2.3
l 1c	~~1.8~~ 2.5
l 1d?	2.8?

} 2.40 2.30 . 11.

d peculiar shape

M 3223

a 8d	3.0
b 2d	2.2
l 1c	2.5
l 4d	2.5

} 2.35 2.25 . 2 1.
Prop. 2.30

Dec. 7, 1903.

M 3225

a 10d	3.2	}	2.40	2.30	. 11.
b 3d	2.3				
L 1c	2.5				
L 1d	2.8				

M 3229

a 10d	3.2	}	2.40	2.30	. 11.
b 3d	2.3				
L 1c	2.5				
L 4d	2.5				

d peculiar.

M 3234

a 5d	2.7	}	2.25	2.15	. 12.
b 1d	2.1				
L 2c	2.4				
L 1d	? 1				

- Prop. 2.10

M 3238

a 5d	2.7
b 10d	3.0
c 1d	2.7
d 8d	3.7

Reject

Poor plate?

M 3244

a 8d	3.0	}	2.40	2.30	. 11.
b 3d	2.3				
L 1c	2.5				
L 1d	2.8				

Dec. 7, 1903.

✓
M 3248

a 7d	2.9	2.1	
2 1 b	1.9	1.8	Rejint
2 2 c	2.4	2.3	
2 7 d	2.2	2.1	

✓
M 3250

a 10 d	3.2		
b 2 d	2.2	}	2.15 2.05 .01.
2 5 c	2.1		
2 4 d	2.5-		

✓
M 3255Nothing
on plate
in reg.
of 2✓
M 3263

a 8 d	3.0		
b 2 d	2.2	}	2.35 2.25 .21.
2 1 c	2.5-		
2 3 d	2.6	Prop.	2.30

✓
M 3268

a 7 d	2.9	
b 3 d	2.3	Rejint Disint.
2 1 d	2.7	
2 1 d _g	2.8	

d peculiar

Dec. 7 1903.

M 3276

a 6 d	2.8			
b 1 d	2.1	}	2.25	2.15 . 1 2.
2 2 c	2.4			
2 4 d	2.5		Prop.	2.80

M 3280

a 7 d	2.9			
2 1 b	1.9			
2 2 c	2.4			
2 2 d	2.7			

Repeat Surind.

M 3285

a 10 d	3.2			
b 1 d	2.1	}	2.30	2.20 . 3 2.
2 1 c	2.5			
2 0 d	2.9			

peculiar

M 3290

a 4 d	2.6			
b 2 d	2.2	}	2.35	2.25 . 2 1.
2 1 c	2.5			
2 1 d	2.8		Prop.	2.30

M 4867

a 5 d	2.7			
b 1 d	2.1	}	2.35	2.25 . 2 1 . . .
2 2 c	2.4			
2 3 d	2.6		Prop.	2.10

Dec 7 1903.

✓ M 4871
Does
not
identify
with region
of α
✓ M 4874
Wrong
region?

✓ M 2714
Nothing
on pl. in
region of
alpha

✓ M 246

a 10 d	3.2	}	2.35 2.25 . 10.
b 3 d	2.3		
c 2 c	2.4		
d 3 d	2.6		

✓ M 5091

a 6 d	2.8	}	2.45 2.35 . 01.
b 4 d	2.4		
c 1 c	2.3		
d 2 d ?	2.7 ?		

d peculiar

Dec. 7, 1903.

✓ M 5087

a off plate

b 3 d 2.3

c 1 d 2.7

d 2 d 2.7

In the edge

✓ M 5083

a 4 d 2.6

b 3 d 2.3

c 1 c 2.5

d 3 d 2.6

d irregular

✓ M 5081

Too

poor tp

Rejoint edge Discont.

} 2.40 2.30 . 11.

✓ M 5078

a 4 d 2.6

b 5 d 2.5

c 1 d 2.7

d 4 d 2.5

✓ Plate poor

M 4931

Too

poor tp

} 2.57 2.47 . 111

Dec. 7, 1903.

✓
M4928

Soa

poor

tp

✓
M4922

Soa

poor

tp

✓
M4916

a3d

2.5

b1d

2.1

25v

2.1

25d

2.4

}

2.10

2.00 .00.

✓
M359

Wrong

regions?

✓
M1274

Wrong

region

Dec. 7 1903

M1282

Krung
region?

M1284

a 10d

3.2

b 7d

2.7

c 1d

2.7

d 1d?

2.8?

}

2.7³2.6³.001

peculiar

M1273

Krung
region?

M340

a 10d

3.2

b 4d

2.7

c 2d

2.8

d 4d

2.5

}

2.57

2.47. 2.21

M339

a 10d

3.2

b 3d

2.3

c 1d

2.7

d 3d

2.6

}

2.53

2.43. 2.21

Dec. 7, 1903

M 342

a 8d 3.0

b 4d 2.4

21c 2.5

22d 2.7

} X
f⁴⁵
2.52 ³⁵ 2.43 ⁰¹ . 10.2

M 215

a 10d 3.2

b 3d 2.3

21c 2.5

23d 2.6

}

2.40 2.30 . 11.

M 256

a 7d 2.9

b 2d 2.2

21c 2.5

23d 2.6

} Prop.

2.35 2.25 . 21.

2.30 .

M 2715

a 10d 3.2

b 3d 2.3

22c 2.4

21d 2.8

2.35 2.25 . 10.

difficult

M 2726

a 10d 3.2

b 2d 2.2

20d 2.6

21d P 3.0?

Right.

difficult

Dec: 7, 1903

M 2719

a 10 d	3.2	}	2.70	2.60 . 1 11
b 5 d	2.5			
c 2 d	2.8			
d 1 d	2.8			

M 1469

a m. ?	no?
d 1 b	1.9
d 3 c	2.3
d 1 d	2.8

Rejct d p.m.

Imp. of elongated.

M 1475

a 8 d	3.0	}	2.53	2.43 . 0 10
b 5 d	2.5			
c 0 c	2.6			
d 4 d	2.5			

M 227

a 7 d	2.9	}	2.25	2.15 . 10
b 3 d	2.3			
d 4 c	2.2			
d 8 d	2.1			

M 633

Wrong region?

Dec 18, 1903

✓ 12.15

M 5129

a 3 d 2.5

b 2 d 2.2

c 1 c 2.5

d ? d ?

d peculiar shape

Prop.

2.35 2.25 . 2 1.

2.30 .

M 5126

a 5 d 2.7

b 3 d 2.3

c 1 c 2.5

d 3 d ? 2.6?

d peculiar shape

2.40 2.30 . 1 1.

M 5122

a 2 d 2.4 1.6

b 4 d 2.4 2.1

c 2 d ~~2.4~~ 2.8 2.7

d ? d ?

d peculiar shape

Rejint Dwind

M 5116

a 2 d 2.5

b 5 d 2.5

c 1 c 2.5

d 7 d 2.2

2.50 2.40 . 00 .

✓ M 5112

a 5 d 2.7

b 3 d 2.3

c 1 d 2.7

d 5 d 2.4

d peculiar

2.4⁷ 2.3⁷ . 2.8²¹

Dec. 18, 1903.

✓ M 5106

Wrong
region?

✓ M 5101

a 6 L

2.8

b 4 L

2.4

c 1 L

2.7

d 2 L?

2.7?

d peculiar.

$$\left. \begin{array}{l} 2.60^? \\ 2.50^? \end{array} \right\} \cdot \underline{211}$$

✓ M 5095

a n. v.

no

b 4 L

2.4

c 1 L

2.7

d 3 L

3.2

on edge of plate.

$$\left. \begin{array}{l} \\ \\ \\ \end{array} \right\} \text{Right}$$

✓ M 4 2.62

Nothing
on plate
in reg. of
alpha.

✓ M 4 827

Wrong
region

Dec. 18, 1903.

✓

M 4893

a 4 d 2.6

b 1 d 2.1

c 3 c 2.3

d 2 d 2.7

d peculiar

} 2.20 2.10 .11.

M 4912

a 7 d 2.9

b 3 d 2.3

c 1 c 2.5

✓ d 3 d 2.6

} 2.40 2.30 .11.

M 3932

Region
of d not
on plate

✓

M 959

Image of
d not compar-
able with
comp. stars.

Too faint.

M 1466

a 7 d 2.9

b 4 d 2.4

c 0 c 2.6

d 6 d 2.3

} 2.50 2.40 .11.

Dec. 18, 1903.

M 3976.

a 6d 2.8

b 2d 2.2

d 2c 2.4

d 2d 2.7

peculiar

} 2.30 2.20 . 11.

M 5132.

a 8d 3.0

b 4d 2.4

d 1c 2.5

d 4d 2.5

} 2.45 2.35 . 01.

M 3989

a 8d 3.0

b 3d 2.3

d 1c 2.5

d 2d 2.7

} 2.40 2.30 . 11.

peculiar.

M 3996

a 5d 2.7

d 1b 1.9

d 4c 2.2

d 1d 2.8

} 2.05 1.95 . 12.

M 2253

Too tp.

poor

✓
M3153

a10d 3.2

b2d 2.2

L3v 2.3

L3d 2.6

} 2.25 2.15 . 01.

✓
M3294

Too

poor, v.p.

✓
M3143

a4d 2.6

b2d 2.2

L2v 2.4

L2d 2.7

} 2.30 2.20 . 11.

✓
M3137

a10d 3.2

b7d 2.7

a1d 2.7

L1d 2.8

} 2.73 2.63 . 00 1

✓
M2838

a10d 3.2

b4d 2.4

L0v 2.6

L1d? 2.8?

dpeculiar

} 2.60? 2.50? . 212

Dec. 18, 1903.

M 2831

a 10d	3.2			
b 1d	2.1	2.20	2.10	. 11.
c 3d	2.3			
d 3d	2.6			

peculiar

M 2810

a 8d	3.0			
b 7d	2.7	}	2.75	2.65 . 01 .
c 2d	2.8			
d 1d?	3.0?			

peculiar

M 2801

a 10d	3.2			
b 5d	2.5	}	2.77	2.67 [?] . 302
c 2d	2.8			
d 1d	3.0			

peculiar

M 27975

a 1d	2.3			
b 3d	2.3	}	2.53	2.43 . 221
c 1d	2.5 2.7			
d 3d	2.6			

peculiar

M 2793

Plate
too poor

Dec. 18, 1903.

✓				
M 2792				
a m. s.	no			
b 82	2.8	} Rejct		
c 32	2.9			
d 62	2.3			
Poor plate				
M 2788				
a 72	2.9			
b 26?	1.8?	} Rejct		
c 32?	2.3?			
d 12	2.8			
Im not alike				
M 2785				
a 62	2.8			
b 32	2.3	} 2.40 2.30 .11.		
c 12	2.5			
d 12	3.0			
peculiar				
M 2781				
a 72	2.9			
b 52	2.5	} 2.65 2.55 .12.		
c 22	2.8			
d 12	3.0			
peculiar				
M 2772				
a 32	2.5			
b 32	2.3	} 2.63 2.53 .313		
c 12	2.7			
d 02	2.9			

Dec. 18, 1903.

✓ M 2770

a 102 3.2

b 22 2.2

c 12 2.5

d 12? 3.0?

peculiar.

} 2.35 2.25 . 2.1.
Prop. 2.30 .

✓ M 2768

Too

poor. tp.

✓ M 2766

a 102 3.2

b 52 2.5

c 22 2.6

d 12 3.0

peculiar.

} 2.55 2.45 . 1.0.

✓ M 2764

Too poor. tp

✓ M 2762

a 102 3.2

b 62 2.6

c 22 2.8

d 12 3.0

peculiar.

} 2.75⁰ 2.65⁰ . 1.1.

Dec. 18, 1903.

✓ M 2756				
a 10d	3.2			
b 3d	2.3	} 2.50	2.40 . <u>2</u> .	
c 1d	2.7			
d 0d	2.9			
d peculiar		From C only	2.6 .	

✓ M 2754				
a 10d	3.2			
b 10d	3.0	} 2.95	2.85 . <u>01</u> .	
c 3d	2.9			
d ?d	?			

d faint				
✓ M 2749	m p 98			
a 7d	2.9			
b 2d	2.2		Rejit Discard.	
c 0c	2.6			
d 1d	2.8	C only	2.5?	

✓ M 2746				
Too	t.p.			
poor				

✓ M 2736				
a 10d	3.2		Rejit. Discard.	
b 4d	2.4			
c 2d	2.8			
d 1d	3.0	C only	2.7?	
d peculiar				

Dec. 18, 1903.

✓ M 2729

a 8d 3.0

b 7d 2.7

c 3d 2.9

d 1d 3.0

dysculiar.

} 2.95 2.85 . . 10

✓ M 3960

a 8d 3.0

b 2d 2.2

d 2c 2.4

d 2d 2.7

} 2.30 2.20 . 2.2.

✓ M 3968

a 4d 2.6

b 3d 2.3

c 1d 2.7

d 2d 3.1

Right decend.

✓ M 4290

Nochingan
plate in
reg. of d.

✓ M 4787

~~sup 5.9~~

a 2d 2.4

b 1b 1.9

c 4c 2.2

d 1d 2.8

dysculiar

} 2.05 1.95 . 1.2.

1.25

Dec 23, 1903

✓
M344Does not
identify
with region
of δ ✓
M341a 8 α 3.0b 3 α 2.3c 2 α 2.42 ? α
not sure
which is δ .

?

}

2.35

2.25 - 1.0.

M3958

a 5 α 2.7c 1 β 1.9c 5 α 2.1d 1 α 3.0

}

2.00

1.90 - 1.1.

✓
M4273Nothing on
plate in
region of δ ✓
M2742

Torpor.

Dec 23, 1903

✓ M 350

a 7 a 2.9

20 b 2.0

25 c 2.1

21 d? 2.8?

Not sure of
ident. of "d"

} 2.05 1.95 2.1

✓ M 343

a 5 a 2.7

b 4 a 2.4

c 2 a 2.8

} 2.60 2.50 2.2 Rejit. Decid.

Where is "d"? ?

✓ M 897

Too poor tp

✓ M 278?

Nothing on
plate in
region of a

✓ M 12132

Does not
identify.
Wrong region?

Dec 23, 1903

✓

M4311

a 7 a 2.9

x 1 b 1.9

x 3 c 2.3

x 1 d 2.8

}

2.10

2.00 0.22.

Reint? Dist

✓

M4474

a 5 a 2.7

b 3 a 2.3

x 2 c 2.4

x 7 d 2.2

2.35

2.25. 10.

✓

M4467

Too poor. t_p

✓

M4464

Does not
identify
with region
of a

✓

M4436

a 5 a 2.7

b 3 a 2.3

x 4 c 2.2

x 1 d 2.8?

}

2.25

2.15. 10.

d peculiar

Dec. 26, 1903.

✓ M2692

a — —
 b 10 x 3.0
 c 3 x 2.9 } 2.9 2.8 . . a .
 d ns? ns?

? Not sure of "a"

✓ M2682

Does not
identify.

✓ M2678

a 8 x 3.0
 b 5 x 2.5
 c 3 x 2.9 } 2.9 2.8 . . a .
 d 2 x 3.1

✓ M3920

a 5 x 2.7
 b 3 x 2.3
 c 1 x 2.7 } 2.7 2.6 . . a .
 d 3 x 3.2

✓ M3915

a 4 x 2.6
 b 5 x 2.5
 c 1 x 2.7 } 2.7 2.6 . . a .
 d 1 x 3.0

Dec 26, 1903

✓
M 3911

a 7 a 2.9

b 3 a 2.3

c 3 c 2.3

d 3 d 2.6

} 2.30 2.20 .00.

✓
M 3902

a 5 a 2.7

b 2 a 2.2

c 2 c 2.4

d 5 d 2.4

} 2.30 2.20 .11.

✓
M 3900

a 5 a 2.7

b 3 a 2.3

c 1 c 2.5

d 3 d 2.6

} 2.40 2.30 .11.

✓
M 3950

a 3 a 2.5

b 2 a 2.2

c 2 c 2.4

d 4 d 2.5

} 2.30 2.20 .11.

Imagis from

✓
M 4390

a 5 a 2.7

b 3 a 2.3

c 1 c 2.5

d 3 a 3.2

} 2.40 2.30 .11.

Dec. 28, 1903.

40

M 4423

a 62	2.8			
b 32	2.3			
c 12	2.7	}	2.7	2.6 . $\frac{1}{2}$ a.
d 12	3.0			

M 4408

a 62	2.8			
b 32	2.3			
c 020	2.6	}	2.6	2.5 . $\frac{1}{2}$ a.
d 12	2.8			

d peculiar

M 3440

a 42	2.6			
b 22	2.2	}	2.25	2.15 . 01.
c 30	2.3			
d 12	2.8			

M 27689

a 82	3.0			
b 42	2.4	}	2.45	2.35 . 01.
c 12	2.5			
d 12	3.0			

d peculiar

M 4499

a 82	3.0			
b 42	2.4	}	2.40	2.30 . 00.
c 220	2.4			
d 12	3.0			

Dec. 28, 1903.

M[✓]4496

a7d 2.9

b3d 2.3

L2c 2.4

L1d 2.8

} 2.35 2.25 .10.

M[✓]4494

a4d 2.6

b2d 2.2

L4c 2.2

L2d 2.7

} 2.20 2.10 .00.

M[✓]4489

a7d 2.9

b3d 2.3

L2c 2.4

L1d 2.8

} 2.35 2.25 .10.

M[✓]4385

a8d 3.0

b4d 2.4

L1c 2.5

L1d 2.8

} 2.45 2.35 .01.

M[✓]4382

a off plate.

b3d 2.3

L2d 2.4

L2d 2.7

} 2.35 2.25 .10.

On edge of pl.

Dec. 28, 1903.

✓
M 4379

a 8 d

3.0

b 3 d

2.3

L 1 c

2.5

L 3 d

2.6

} 2.40 2.30 . 11.

✓
M 4366

a 3 d

2.5

b 5 d

2.5

L 2 c

2.4

L 3 d

2.6

} 2.45 2.35 . 10.

✓
M 4358

a off fl.

b 3 d

2.3

L 1 c

~~2.4~~ 2.5

L 1 d

2.8

} 2.40 2.30 . 11.

✓
On edge

M 4355

a off plate

b 2 d

2.2

L 2 c

2.4

L 3 d

2.6

} 2.30 2.20 . 11.

M 1523

Plate

too poor.

Dec. 28, 1903,

✓
M 1796
Too
poor

✓
M 1774
Nothing
on plate
in reg. of
L

✓
M 1596
a 5d 2.5
b m.s. na
L 1c 2.5
L 0d 2.9
specular

Right plate. Too poor.

✓
M 1550
Too
poor

✓
M 1780
Nothing
on plate

Dec. 28, 1903.

M4299

a 82

3.0

b 52

2.5

2 1c

2.5

2 2d

2.7

} 2.50 2.40 . 11 .

M4457

see p 51

a 72

2.9

b 22

2.2

2 2c

2.4

2 1d

2.8

} 2.30 2.20 . 11 .

M3123

Nothing
on plate
in reg. of
2

M1842

Does
not identify
in reg. of
2

M1845

Nothing
on plate
in reg. of
2

Dec. 28, 1903

✓
 M 1884
 turning
 on
 plate in
 reg of t

M[✓] 1289

a 10d 3.2

b 5d 2.5

c 3d 2.9

d 1d 3.0

} 2.95 2.85 . 490

✓
 M 1278

a 10d 3.2

b 3d 2.3

c 3d 2.3

d 1d 3.0

} 2.30 2.20 . 00

✓
 M 1269

a 10d 3.2

b 5d 2.5

c 2d 2.8

d 1d 2.8

} 2.80 2.70 . . 00

✓
 M 1264

a n. s. no

b 5d 2.5

c 1d 2.7

d 2d 2.7

} 2.70 2.60 . . 00

Dec. 28, 1903.

M 1260

a 10d	3.2			
b 5d	2.5	}	2.50	2.40 . 00.
c 1c	2.5			
d 5d	3.4			

M 1258

a 8d	3.0			
b 3d	2.3	}	2.40	2.30 . 11.
c 1c	2.5			
d 1d	3.0			

M 1257

a m. s. ?	us ?			
b 7d	2.7			
c 4d	3.0	}	3.10	3.00 . . 11
d 3d	3.2			

M 1255

Wrong
region?

M 1252

a 7d	2.9			
b 3d	2.3	}	2.90	2.80 . 11
c 2d	2.8			
d 1d	3.0			

Dec. 28, 1903.

✓
M1245

a 8d 3.0

b 4d 2.4

20c 2.6

d 1d 3.0

Rejit. Uncert.

✓
M1240

a 7d 2.9

b 3d 2.3

23c 2.3

21d 2.8

d specular

} 2.30 2.20 .00.

M3433

a 5d 2.7

b 2d 2.2

21c 2.5

23d 2.6

} 2.35 2.25 .21.
Prop. 2.30✓
M3429

a 5d 2.7

25d ?

22c 2.4

22d 2.7

Rejit. Record uncertain.

✓
M2699

a 10d 3.2.

b n. 2 ns.

c 1d 2.7

21d 2.8

Rejit. Incomplete.

Dec. 28, 1903

✓
M 2620
Plate
too
poor

✓
M 848
Too poor

✓
M 4352
a off plate

b 2 d	2.2	}	2.30	2.20	. 1 1.
2 2 c	2.4				
2 3 d ?	2.6?				

peculiar
Sun. poor.

M 4349

a 8 d	3.0		
b 4 d	2.4		
c 1 d	2.7		
d 1 d	3.0	c only 2.7	2.6

✓
M 3954
Too near
the edge

Dec. 28 1903.

✓
M 3945

a7d 2.9

21b 1.9

24c 2.2

22d 2.7

} 2.05 1.95 0.12.

✓
M 3942

a5d 2.7

b1d 2.1

22c 2.4

d1d 3.0

} 2.25 2.15 .12.
} 2.1✓
M 3938 20 p 104

a4d 2.6

b2d 2.2

23c 2.3

23d 2.6

} 2.25 2.15 .01.

✓
M 3924

a7d 2.9

b3d 2.3

20c 2.6

22d 2.7

} 2.53 2.43 .212 Ryut? Dir

✓
M 2644

a8d 3.0

b3d 2.3

21c 2.5

2.40 2.30 .11.

2.40

Dec 28, 1903

✓ M2643
Does not
cover
region of

✓ M2657
a 7 2 2.9
b 2 2 2.2
c 4 2 2.2
d 1 2 3.0
} 2.20 2.10 .00.

of peculiar

✓ M2709
a 8 2 3.0
b 4 2 2.4
c 2 2 2.8
d 1 d? 3.0?
Right Hand.

✓ M2749 See p 81
a 7 2 2.9
b 2 2 2.2
c 1 2 2.5
d 1 d? 2.8?
} 2.35 2.25 .21.
Pulp. 2.30

Images from
M 2121

Nothing
on plate
in region
of

Dec 28, 1903

✓
M 4251

a 5 d 2.7

b 4 d 2.4

c 0 c 2.6

d 4 d 2.5

} 2.50 2.40 .110

✓
M 2132Does not
cover
region of✓
M 3126Nothing
on plate
in region
of✓
M 3140Nothing
on plate in
region of✓
M 3151Plate too
poor

Dec 28, 1903

✓
M 3251

Plate —

too poor

✓
M 2140Nothing on
plate in
region of 2✓
M 2648

Plate —

too poor

✓
M 2673Nothing
on plate.✓
M 1518

Erythr.

Too poor.

Dec 31, 1903✓
M 269Plate
does not
cover
region✓
M 315Plate
does not
cover
region✓
M 335Plate
too poor✓
M 336Does
not identify
in region
of A✓
M 248Plate
useless

Dec 31, 1903

✓ 5.20
 M 345
 Does
 not identify
 with in
 region of δ

✓ M 348
 Does
 not cover
 region of
 δ

✓ M 355
 Does not
 cover region
 of δ

✓ M 4294

a 8 d	3.0	}	2.50 . 2.40 . 00.
b 5 d	2.5		
d 1 c	2.5		
d 1 d	2.8		

✓ M 48284

a 5 d	2.7	}	2.40 . 2.30 . 00.
b 4 d	2.4		
d 2 c	2.4		
d 1 d	2.8		

✓
M4279

a4d 2.6

b2d 2.2

c4c 2.2

c2d 2.7

} 2.20 2.10 .00.

✓
M4271

a5d 2.7

b3d 2.3

c1c 2.5

c1d 2.8

} 2.40 2.30 .11.

✓
M4267

a6d 2.8

b2d 2.2

c7c 1.9

c10d 1.9

} 2.05 1.95 .21.
Prop. 2.03✓
M4259

a7d 2.9

b5d 2.5

c1c 2.5

c3d 2.6

} 2.50 2.40 .00.

✓
M4255

a8d 3.0

b4d 2.4

c1d 2.7

c4d 2.5

} 2.60 2.50 .01

Dec. 31, 190³~~4~~✓
M 4003

a 4 d	2.6
b 3 d	2.3
c 2 c	2.4
d 3 d	2.6

} 2.35 2.25 . 10.

✓
M 4010

a 5 d	2.7
c 1 b	1.9
c 5 c	2.1
d 2 d	2.7

} 2.00 1.90 . 11.

✓
M 4016

a 4 d	2.6
b 3 d	2.3
c 1 c	2.5
d 1 d	3.0

} 2.40 2.30 . 11.

✓
difficult
10.35

M 4020

a 4 d	2.6
b 3 d	2.3
c 2 c	2.4
d 1 d	2.8

} 2.35 2.25 . 10.

✓
M 4024

Plate

too

tp

poor

Dec. 31, 1903.

✓
M4026

a n. s. w.

b 22 2.2

23c 2.3

25d 2.4

d peculiar

} 2.25 2.15 .01.

✓
M3938

see p 97

a 82 3.0

b 52 2.5

c 22 2.8

d 1d 2.8

} 2.80 2.70 .00

✓
M3994

a 82 3.0

21b 1.9

25c 2.1

22d 2.7

} 2.00 1.90 .11.

✓
M3991

a 82 3.0

23b 1.7

23c 2.3

210d 1.9

✓
M3985

a 42 2.6

24b 1.6

27c 1.9

2?d ?

d very faint

Dec. 31, 1903

M 3980

a 10 d	3.2			
b 5 d	2.5	}	2.35	2.25 . 12
d 2 c	2.2			
d 1 d	2.8			

M 4342

a 8 d	3.0			
b 3 d	2.3	}	2.35	2.25 . 10
d 2 c	2.4			
d 3 d	2.6			

M 4338

a 10 d	3.2			
b 2 d	2.2	}	2.20	2.10 . 00
d 4 c	2.2			
d 7 d	2.1			

M 4329

a 20 d ?	4.2?			
b 4 d	2.4			
b c 2 d	2.8			
d 5 d	3.4			

Ryint. Dwind

good

M 3168

d n. s

comp. stars
are of diff shape
and density from
2 and are not
comparable

Dec. 31, 1903.

✓
M 2625
Wrong
identifica-
tion?

✓
M 3666

a 20d 4.2

b 10d 3.0

c 5d 3.1 c only 3.1 3.0

d 10d 3.9

Rejit?

M 4445
Nothing
on
plate

✓
M 2154
Nothing
on plate
in region
of 2

✓
M 656
Does
not
identify

Dec. 31, 1903.

M 4331

Plate

~~nothing~~

a 20 d

b 8 d

c 2 c

✓ d 3 d

4.2

2.8

2.4

3.2

~~2.6~~

2.60

2.50 . 2 2 .

Pup.

2.38 .

M 4360

Nothing
on plate
in region
of d

M 4362

Does
not identify
in region
of d

M 4377

Nothing
on plate
in region
of d

M 2375

In same
region

Dec. 31, 1903.

✓

M 2646

Plate

too

faded

✓

M 3398

Does

not

cover

region of L

✓

M 3448

Does not

cover region

of L

✓

M 3851

Nothing

on plate

in region

of L

M 3487

Wrong

region

Dec. 31, 1903.

✓
M³¹ 30
27

Does not
cover region
of L

✓

M 3918

Does
not
identify
in region
of L

✓ M 3952

Nothing
on plate
in region
of L

✓ M 3971

Nothing
on plate

✓

M 3973

No strong
identification
?

Dec. 31, 1903.

✓
M4006
Wrong
identifi-
cation

✓
M4217
Nothing
on plate

✓
M4224
Does
not cover
reg. of d

✓
M4227
Does
not cover
region

✓
M4239
Does not
cover region

Dec. 31, 1903.

✓
M 2631Does
not cover
region of
L✓
M 5151

a 4 L 2.6

b 3 L 2.9

L 2 c 2.11

L 4 d 2.5

} 2.35 2.25 .10.

11.35.

M 1502

Useless

✓
M 1564

a 10 L 3.2

b 3 L 2.3

L 2 c 2.4

L 2 d 2.7

} 2.35 2.25 .10.

✓
M 224

a 8 L 3.0

b 4 L 2.4

L 2 c 2.4

L 1 d 2.8

} 2.40 2.30 .00.

Dec 31, 1903

✓

M 2622

Nothing
on plate
in region
of α

✓

M 2319

Nothing
on plate
in region
of α

✓

M 2587

Plate does
not cover
region of
 α

✓

M 1553

✓

 $\alpha 4 \alpha$ 2.6 $\alpha 1 b$ 1.9 $\alpha 5 c$ 2.1 $\alpha 5 d$ 2.4

} 2.00 1.90 2.1.

✓

M 1559

Does

✓

not identify
in region
of α

Dec 31, 1903

✓ M 1613

Does not
identify in
region
of δ

✓ M 1954

 α 8 δ 3.0 ✓ α 0 δ 2.0 α 5 δ 2.1 α 1 δ 2.8?

the n.s.?

✓ M 4388

Wrong
identifica-
tion.

✓ M 4394

Does not
identify
in region
of δ

✓ M 859

✓ Does
not identify
in region
of δ

Dec 31, 1903

✓

M1475

a 10 d 3.2 ✓

b 5 d 2.5

c 1 d 2.7

L 5 d 2.4

} 2.53 243 .021 Reprint?

M4431

Nothing
on plate
in region
of L

✓

M2157

Plate does
not cover
region
of L

✓

M2164

Plate
does not
cover
region of L

✓

M2168

Nothing
on plate.

Dec 31, 1903

