

KG
11366
172

Book III

Mary Harriet Vanne

KG 11366/72

M 9770 First plate after instrument reversed
After M 9802 stars below pole not on plates.

KG11366.172



Index

Observations of the brightness of α Orionis	5, 6 - '109
Comparison stars α Orionis	4.

α Orionis

m 290

a 1.4

b 1.9

c 2.5

d 2.8

Thursday March 7, 1918

2 Orionis

12.10

✓ M 252

b 3 V	2.21	} 2.44	23
VOC	2.50		06
V 2 d	2.61		17

✓ M 259

b 3 V	2.21	} 2.30	09
V 1 C	2.40		10

✓ M 1224

b 2 V	2.11	} 2.25	15
V 1 C	2.40		14

✓ M 1245

b 3 V	2.21	2.36?	14
VOC?	2.50	d > C?	14

images poor.

✓ M 249

b 3 V	2.21	2.26	05
V 2 C	2.30	hazy	04

✓ M 2644

b 1 V	2.01	in p.	09
V 3 C	2.20	2.10	10

✓ M 1234

d 1 V	2.91?	images winged
C 4 V	2.90	01

✓ M 2646

b 2 V	2.11	} 2.20	09
V 2 C	2.30		10

✓ M 290

b 4 V	2.31	2.36	05
V 1 C	2.40		04

✓ M 1237

C 4 V. image very poor winged -
not comparable with d.

✓ M 315 301

C 1 V	2.60	} 2.66	06
V 1 d	2.71		05

✓ M 305

C 1 V	2.60	} 2.60	00
V 2 d	2.61		01

✓ M 1240

b 2 V	2.11	} 2.26	15
V 1 C	2.40		14

✓ M 1252

b 3 V	2.21	} 2.38	p. distortion in different directions
V 1 C	2.40		
V 3 d	2.50		

C winged distortion

12.40

Thursday Mar. 7, 1918
 Orionis

1240

✓ M1252

2.4 im. distorted

✓ M249

2.4

✓ M301

2.7

good plate

✓ M1224

2.4

✓ M1284

2.7

images winged in different directions

✓ M2644

2.3

✓ M252

2.3

✓ M1245

3.0 ? im. p.

✓ M290

2.4

✓ M259

2.4

✓ M1240

2.3

qf

✓ M305

2.6

✓ M1287

30

im. winged d>c? not easily comparable

M263

✓ 2.5

1100

Tuesday, Mar. 12, 1918

α Orionis

9:10

M 1803

V 2.3 L

✓ M 287
2.3

✓ M 645

2.4

✓ M 1939

α 7b, reg-p. t.p.

✓ M 1832

t.p.

✓ M 4329

2.8 α

✓ M 4916

2.1 q

✓ M 653

2.8 d7C

✓ M 611

2.6

✓ M 1264

t.p.

✓ M 1850

2.3

✓ M 4851

t.p.

✓ M 4255

2.6

✓ M 640

2.9 q

✓ M 281

2.3 e

✓ M 1808

2.4

✓ M 1918

t.p.

✓ M 4331

t.p.

✓ M 4279

2.3 q

✓ M 1258

2.6

Tuesday, March 12, 1918

10.00

2 Orionis

✓M1958
2.4 q

✓M2643
t.p.

✓M4379
t.p.

✓M1916
t.p.

✓M4814
t.p.

✓M4299
2.6

✓M3185
2.4

✓M1269
2.6 q

✓M315
t.p.

✓M1491
t.p.

✓M4831
2.3

✓M4320
2.4 S

✓M1844
2.4

✓M2646
t.p.

✓M4905
2.3 e

✓M4846
2.3

✓M1887
t.p.

✓M4358
t.p.

✓M4259
2.6 q

✓M2648
2.8

Tuesday, March 12, 1918

2. Orionis

10.30

 $\checkmark$ M ²³³ 1954
2.8

 $\checkmark$ M 1864
2.4

 $\checkmark$ M 4382
t.p.-2

 $\checkmark$ M 4912
2.3

 $\checkmark$ M 3163
2.4 s.

 $\checkmark$ M 3796
t.p.

 $\checkmark$ M 1232
3.0 f

 $\checkmark$ M 4251
t.p.

 $\checkmark$ M 4824
2.4

 $\checkmark$ M 1911
t.p. b, c trailed

 $\checkmark$ M 621
2.8

 $\checkmark$ M 4284
2.4

 $\checkmark$ M 664
2.7

 $\checkmark$ ²⁶³⁷ M 1273
2.8 g

 $\checkmark$ M 1289
2.8

 $\checkmark$ M 1933
t.p.

 $\checkmark$ M 1822
2.0

 $\checkmark$ M 4308
t.p.

 $\checkmark$ M 4892
t.p.

 $\checkmark$ M 4855
t.p.

Tuesday, March 12, 1918

11:15

2 Orionis

✓M 1952
2.7 g✓M 4841
2.5\$✓M 4338
2.6✓M 606
E.P.✓M 295
2.3✓M 1278
2.4✓M 4863
2.4✓M 1812
1.9✓M 4349
E.P.✓M 625
2.8 not comparable with✓M 3137
✓M 1204 wrong region
2.54908
✓M 1842
2.5✓M 224
2.4✓M 3187
E.P.✓M 4366
E.P.✓M 660
2.5✓M 3147
2.5✓M 1284
2.6✓M 1230
2.7 pg✓M 1815
2.3

reject rec p 52

11:35

Wednesday March 13, 1918

x Orionis

11:25

✓ M 319
2.3

✓ M 916
2.7? g

✓ M 1898
t.p.

✓ M 4294
2.5

✓ M 327
2.5

✓ M 894
2.7

✓ M 852
2.5

✓ M 340
2.7

✓ M 4271
2.7 S.

✓ M 921
2.5

✓ M 925
2.3

✓ M 4882
t.p.

✓ M 870
2.3

✓ M 1168
2.4

✓ M 323
2.6

✓ M 338
2.5

✓ M ¹⁹²⁶~~1274~~
2.8 S.

✓ M ⁹~~135~~
2.4

✓ M 879
2.3

✓ M 1942 Rejet see p 49
2.3

Wed. Mar 13, 1918

2 Orionis Transit Photometer.

11:55

√M 1574

2.6

√M 1621

2.3

√M 3143

2.45

√M 859

t.p.

√M 1475

2.7

√M 4385

2.4

√M 242

4.2.3

√M 944

2.3

√M 4885

17.2 g

√M 1604

2.4

√M 1566

1.8 film stained.

√M 1527

2.5

√M 4390

2.6

√M 997

2.5

√M 1499

2.88

√M 4352

t.p.

√M 1922

2.7

rec'd 52

√M 342

2.4

√M 1137

2.3

√M 987

2.4

Wednesday March 13, 1918

x Orionis Transit Photometer

12:15

✓M 1583

2.6

✓M 1466

t.p.

✓M ⁴³¹⁴1274

2.4

✓M 1869

2.5

VM 901

2.8 S

VM 1485

2.7

✓M 343

2.5 d.n.s.

✓M 3796

2.4

✓M 1178

2.3 p

VM 4342

2.3 g

✓M 1547

2.8 d.n.s.

✓M 1556

2.7

✓M 269

t.p.

✓M 1257

3.0 frequencies - unnoted

✓M 4842

t.p.

✓M 1576

2.5

✓M 1202

2.4

✓M 1891

t.p.

✓M 992

2.6

✓M 1193

2.4 g

Wednesday March 13, 1918

2 Orionis Transit Photometer

12.30 $\sqrt{M} 320$
2.3 $\sqrt{M} 842$
2.4 $\sqrt{M} 1792$
2.3 g $\sqrt{M} 962$
2.5 $\sqrt{M} 866$
1.8 $\sqrt{M} 1596$
t.p. $\sqrt{M} 4816$
1.8 $\sqrt{4355}$
 ~~$M 1243$~~
t.p. $\sqrt{M} 471$
3.0 f d>c $\sqrt{M} 949$
2.6 $\sqrt{M} 1615$
2.5 $\sqrt{M} 838$
2.5 $\sqrt{M} 1518$
t.p. $\sqrt{M} 1160$
2.4 $\sqrt{M} 976$
2.6 g $\sqrt{M} 1536$
2.4 $\sqrt{M} 1963$
2.5 $\sqrt{M} 4954$
t.p. $\sqrt{M} 339$

2.0.

sign irregular

 $\sqrt{M} 3794$
2.4

Thursday March 14 1918

9:15

α Orionis

✓ M 341

2.5

✓ M 3338

2.6

✓ M 350

2.4

✓ M 939

2.5

✓ M 4454

t.p.

✓ M 2172

2.5

✓ M 3238

2.6

✓ M 3875

2.5

✓ M 3153

2.4

✓ M 3363 retp 51

1.8

✓ M 4483

2.3

✓ M 2622

t.p.

✓ M 3268

2.5

✓ M 1608

2.4

✓ M 4311

2.3

✓ M 2266

t.p.

✓ M 3820

t.p.

✓ M 3920

2.5

Reject see p 51

✓ M 3338

2.6

✓ M 3440

t.p.

Thursday March, 14, 1918

10:00

Orion's Transit Photometer

✓
M 2612
2.8 gf.✓ M 340
2.6✓ M 954
2.8✓ M 2312
t.p.✓ M 2265
t.p.✓ M 3968
2.4✓ M 3924
2.6✓ M 4487
t.p.✓ M 3433
2.3✓ M 2749
t.p.✓ M 2678
2.5 gf.✓ M 3143
sequence not in usual order.✓ M 4267
2.4✓ M 2343
2.5 gf.✓ M 2294
t.p.✓ M 3994
1.9 gf.✓ M 3217
2.5✓ M 2788
t.p.✓ M 2754
t.p.✓ M 932
t.p.

Thursday March 14, 1915

L Orionis.

✓ M 1214
t.p.✓ M 2198
2.1✓ M 4457
2.4✓ M 3863
2.2✓ M 3244
t.p.✓ M 3358
2.2✓ M 888
2.6 S✓ M 2625
← 2.8, ? d n.s., t.p.✓ M 4489
3290
2.3✓ M 1521
2.3✓ M 1965
2.5 e✓ M 2256
t.p.✓ M 3825
t.p.✓ M 3915
2.6✓ M 2195
2.1✓ M 3412
t.p.✓ M 3334
2.5✓ M 2627
2.7✓ M 4844
t.p.✓ M 272
2.3

Thursday, March 14, 1918

2 Orionis

10.50

✓M2277

t.p.

✓M3976

2.3 q

✓M3938

2.3 q

✓M4402

2.5

✓M2810

t.p.

✓M2766

t.p.

✓M2692

2.8

✓M242

2.4

✓M4867

2.2

✓M2346

2.7 q e

2301
✓M ~~1504~~

t.p.

✓M3996

2.8

✓M3214

2.3 q

✓M4512

t.p.

✓M2756

2.7 q

✓M2785

2.5 q

✓M921

2.5

✓M1260

2.5

✓M2321

2.3

✓M4425

t.p.

Thursday March 14, 1918
 2 Orionis

2.15-

✓M 989
 2.6

✓M 1842
 t.p.

✓M 4471
 2.3

✓M 2221
 2.5

✓M 3248
 1.8

✓M 3859
 2.2

✓M 1623
 2.4

✓M 3377
 2.3 9/

M 5078
 t.p.

✓M 2607
 t.p.

✓M 3285
 2.4 see p 51

✓M 984
 2.2

✓M 1478
 t.p.

✓M 2251
 t.p.

✓M 3830
 t.p.

✓M 3911 see p 51
 1.9

✓M 2182
 1.7

✓M 3414
 t.p.

✓M 3330
 t.p.

✓M 2666
 3.0

Thursday March 14, 1918
of Orionis

✓M 849

2.3

✓M 2325

2.9

✓M 2873

2.3 q

✓M 3980

2.1

✓M 3942

1.9

✓M 4399

2.3 q

✓M 2838

t.p.

✓M 2762

t.p.

✓M 2689

t.p.

✓M 1547

2.6

✓M 1553

2.4

✓M 2354

t.p.

✓M 2304 c?

t.p.

✓M 4010

2.3

✓M 3223

2.3 q

✓M 2792

2.7 q

✓M 2726

2.5

✓M 1187

2.4

✓M 894

2.7 S

✓M 1544

2.5

310

Friday, March 15 1918

α Orionis

8:40

X

✓M 979

X 2.4

✓M 3342

t.p.

✓M 4436

1.9 i

✓M 831

t.p.

✓M 3234

2.9

✓M 2174

2.3

✓M 929

3.0

✓M 3848

t.p.

✓M 4478

2.3

✓M 3347

t.p.

✓M 3276

2.0

self 52

✓M 2234

2.7 g

✓M 278

t.p.

✓M 3888

18

✓M 3319

✓M 4501

t.p.

✓M 3385

2.4

✓M 256

2.3

✓M 227

2.2

✓M 4522

t.p.

✓M 2231

t.p.

Friday, March 15, 1918

of Orionis

✓ M3897
t.p.✓ ²⁷¹⁵
~~M3666~~
t.p.✓ M3380
t.p.✓ M1274
t.p.✓ M2657
1.9 sec p 5⁵⁰✓ M2339
t.p.✓ M1174
t.p.✓ M3991
t.p.✓ M2298
t.p.✓ M3803
2.3✓ M3958
t.p. Sequence
out of order.✓ M2770
t.p.✓ M3220
t.p.✓ M1485
2.7✓ M2719
t.p.✓ M2385
t.p.✓ M1482
t.p.✓ M4020
t.p.✓ M3960
2.4✓ M4408
t.p.

Sequence out of order

Friday, March 15, 1918

 α Orionis9:20 $\checkmark$ M 2389
t.p. $\checkmark$ M 1199
t.p. $\checkmark$ M 1588
2.6 $\checkmark$ M 2178
2.2 $\checkmark$ M 4422
t.p. $\checkmark$ M 3350
t.p. $\checkmark$ M 3229
2.3 $\checkmark$ M 3837
2.9 $\checkmark$ M 1609
2.7 $\checkmark$ M 965
2.5 $\checkmark$ 3263
~~M 4482~~
2.4 $\checkmark$ 2214 see pp 28447
1.8 reject too bright $\checkmark$ M 1151
2.1 $\checkmark$ M 3390
2.5 $\checkmark$ 3323
~~M 4495~~
t.p. $\checkmark$ M 3879
2.6~~4532~~
~~M 1560~~ $\checkmark$ M 835
2.4 $\checkmark$ M 3305
t.p. $\checkmark$ 2228
2.3

Friday March 15, 1918

 α Orionis

10.00

 $\sqrt{M} 3900$
2.5 q $\sqrt{M} 1243$
t.p. $\sqrt{M} 3394$
2.2 $\sqrt{M} 2336$
t.p. $\sqrt{M} 2661$
2.8 q $\sqrt{M} 3989$
2.3 $\sqrt{M} 329$
2.7 $\sqrt{M} 3808$
2.2 $\sqrt{M} 3950$
t.p. $\sqrt{M} 2772$
t.p. $\sqrt{M} 2282$
2.6 $\sqrt{M} 1963$
2.5 $\sqrt{M} 3206$
t.p. $\sqrt{M} 2367$
t.p. $\sqrt{M} 1206$
~~2707~~
t.p. $\sqrt{M} 4016$
2.4 $\sqrt{M} 3310$
2.4 $\sqrt{M} 4529$
t.p. $\sqrt{M} 2736$
~~3409~~
t.p. $\sqrt{M} 2801$
t.p.

Friday, March 15, 1918

 α Orionis10.20 $\checkmark$ M 1954
Cannot identify $\checkmark$ 3310
~~M 4551~~
t.p. $\checkmark$ M 4423
2.5 $\checkmark$ M 1540
2.5 $\checkmark$ M 3225
2.3M 2186
t.p. $\checkmark$ M 1523
t.p. $\checkmark$ M 3833
1.8 see p 51 $\checkmark$ M 4474
2.4 $\checkmark$ M 3354
1.8 $\checkmark$ M 3550
2.0 $\checkmark$ M 1592
t.p. $\checkmark$ M 325
2.2 $\checkmark$ M 2218
2.3 $\checkmark$ M 5083
t.p. $\checkmark$ M 3856
2.6 $\checkmark$ M 3280
1.8 $\checkmark$ M 3368
t.p. $\checkmark$ M 1502
t.p. $\checkmark$ M 337
2.7

fr. March 15 1918
 & Orionis

10:40

✓M2255
 t.p.

✓M2304
 t.p.

✓M3902
 2.2

✓M3408
 2.4

✓M3429
 2.4

✓M2729
 t.p.

✓M2652
 1.8

✓M327
 2.8

✓M1788
 3.0

✓M2331
 t.p.

✓M2286
 t.p.

✓M3985
 1.7

✓M3945
~~1.8~~ 1.8

✓M3811
 1.8

✓M2831
 t.p.

✓M2781
 t.p.

✓M2709
 3.09

✓M1869
 2.5

✓M1944
 t.p.

✓M2359
 t.p.

Friday, March 15, 1918

a Orionis (Plate Reversed)

✓ M 4003
2.2

✓ M ²⁷⁹⁵~~4526~~
t.p.

✓ M 3950
t.p.

✓ M 329
2.6

✓ M 3825 -
2.5

✓ M 2661
2.6 q/

✓ M 3394
2.3

11:00 ✓ M 3385
2.7

Friday, March 15, 1918

 α Orionis ~~Two~~ Plates reversed,

3:30

✓ M3900
t.p.✓ M4457
2.5✓ M2228
t.p.✓ M1214
2.6 q✓ M835
2.3✓ M932
2.8 q✓ M3879
2.2 reject see p 49✓ M2788
t.p.✓ M3390
2.4 i✓ ³⁹⁹⁴~~M4491~~
3.0✓ M1965
2.6✓ M2343
2.8✓ M3290
2.2✓ M3143
2.4 S✓ M2214
2.3

see pp 23 & 47

✓ M2749
2.4 q✓ ⁸⁸⁸~~M4489~~
2.7 S✓ M4487
2.2 i✓ M3244
2.3✓ M272
2.3

Friday March 15, 1918

& Orionis Plates reversed.

3:50

✓M 2627 comparison made ✓M 1521
 2.8 on small in 2.5
 signals irregular

✓M 965
 2.6 q

✓M 2625
 t.p.

✓M 2801
 3.0 +

✓M 3358
 2.4

✓M 290
 2.5

✓M 3863
 2.4

✓M 3412
 t.p.

✓M 3350
 t.p.

✓M 4529
 t.p.

✓M 4016
 2.5

✓M 3837
 2.7

✓M 2385
 t.p.

✓M 4020
 2.4 q

✓M 2198
 2.1

✓M 3915
 2.9

✓M 4844
 t.p.

✓M 2256
 t.p.

✓M 3334
 t.p.

Friday March 15, 1918

 α Orionis cont.

Reversed

4:05

 $\sqrt{M} 2195$
2.4

 $\sqrt{M} 2810$
t.p.

 $\sqrt{M} 1485$
2.7 def sm?

 $\sqrt{M} 3938$
2.5

 $\sqrt{M} 2367$
t.p.

 $\sqrt{M} 2277$
t.p.

 $\sqrt{M} 2178$
2.4 g

 $\sqrt{M} 4824$
2.6 g

 $\sqrt{M} \frac{4867}{1507}$
2.3

 $\sqrt{M} 1232$
t.p.

 $\sqrt{M} 2770$
2.6

 $M 3136$ η
2.7 l

 $\sqrt{M} 1963$
2.5

 $\sqrt{M} 4382$
2.4 e

 $\sqrt{M} 3803$
2.6

 $\sqrt{M} 233$
2.5 e

 $\sqrt{M} 1199$
t.p.

 $\sqrt{M} 2648$
2.7

 $\sqrt{M} 2692$
2.8

 $\sqrt{M} 4358$
2.6 e

4:20

Saturday, March 16, 1918.

2 Orionis

Plates reversed

10:30

✓ M 4846

2.4

✓ M 290

2.4

✓ M 2646

t.p.

✓ M 3991

1.8

✓ M 4320

2.6 S.

✓ M 1245

2.7 g

✓ M 1941

t.p.

✓ M 3808

2.4

✓ M 1269

2.8 g

✓ M 3305

2.7 S

M 4299

2.4

~~15/0~~
✓ M ~~4532~~ 3323

t.p.

✓ M 1916

t.p.

✓ M 4495-1151

2.3

✓ M 4259

~~M 2643~~

2.6 g.

✓ M 2339

t.p.

✓

M 1252

t.p.

✓ M 3989

2.5

10:52

✓ M 2772

t.p.

✓ M 3263

2.7

Saturday March 16, 1918

α Orionis

Plates reversed

12:00

✓ M1609
2.9✓ M2736
t.p.✓ M3229
2.4✓ 2310
✓ M3407
2.4✓ M4422
t.p.✓ M1206
t.p.✓ M1588
2.6film peculiar
pink.✓ 1274
✓ M2707
t.p.✓ M2336
2.3 gr✓ M3924
2.8✓ M2389
t.p.✓ M3206
2.5e✓ M4408
2.3 gr✓ M2282
2.6✓ M1273
t.p.✓ M2795
t.p.✓ M2678
2.8 gr✓ M3811
2.0✓ M3433
2.6 gr✓ M1592
2.9

film discolored.

Saturday March 16, 1918

L Orionis

Plates reversed

12:30

✓ M 3354
1.7✓ M 5083
t.p.✓ M 2265
t.p.✓ M 3250
2.0✓ M 3833
2.59✓ M 4474
2.6✓ M 2715
t.p.✓ M 1520
t.p.✓ M 2168
2.29✓ M 3225
2.3✓ M 1540
2.4✓ M 954
2.9✓ M 3310
t.p.✓ M 4423
2.7✓ ~~M 4551~~
~~M 3616~~
t.p.✓ M 2612
2.89✓ M 1502
t.p.✓ M 1954
cannot identify -✓ M 3280
2.4✓ M 2689
t.p.

Saturday March 16, 1918

d Orionis

Plate reversed

2.20 ✓ M 2838
2.4 g✓ M 3408.
2.5✓ M 329
2.7✓ M 2304
t.p.✓ M ⁰⁰³~~4526~~
t.p.✓ M 1944
t.p.✓ M 2359
t.p.✓ M 2709
3.0 g✓ M 1869
2.5✓ M 2831
2.2✓ M 2781
3.0 g✓ M 3945
2.6 see p. 51✓ M 3985
1.7✓ M 2286
t.p.✓ M 2331
t.p.✓ M 1788
2.7✓ M 327
2.8✓ M 2652
18 e✓ M 2729
t.p.✓ M 3429
2.6 g

Saturday March 16, 1918

α Orionis

Plates reversed.

✓ M 3902
t.p.

✓ M 3960
2.4

✓ M 2255
t.p.

✓ M 1482
t.p.

✓ M 337
2.7

✓ M 2719
t.p.

✓ M 3368
2.6

M 3414
t.p.

✓ M 3856
2.4

✓ M 3911
2.4

✓ M 2218
2.4

✓ M 2251
t.p.

✓ M 3942
2.3

✓ M 984
2.4

✓ M 2273
2.5

✓ M 2607
2.89

✓ M 849
2.5

✓ M 3377
2.5

✓ M 2666
2.9

✓ M 3859
2.4

Saturday, March 16, 1918

2 Clinonis Plates reversed

✓ M 2320
t.p.✓ M 2221
2.5✓ M 2298
t.p.✓ M 1842
t.p.✓ M 3958
2.1✓ M 3330
2.5✓ M 1478
t.p.✓ M 2182
2.3✓ M 3830
t.p.✓ M 3285
2.0 95✓ M 3888
2.3✓ M 5078
t.p.✓ M 1623
2.5✓ M 2234
t.p.✓ M 3248
1.7✓ M 3347
t.p.✓ M 4471
2.4✓ M 3848
2.3✓ M 989
2.7✓ M 2174
2.3

Saturday, March 16, 1918

2 Chronis Plates reversed.

✓M 831
2.2 qf

✓M 979
2.6

✓M 3342
2.9 S

✓M 325
2.0

✓M ²⁵⁶
~~4522~~
2.3

✓M 3968
2.4

✓M 3319
t.p.

✓M 2312
t.p.

✓M 278
t.p.

✓M 340
2.6

✓M 3276
2.6

✓M 2754
t.p.

✓M 4478
2.5

✓M 3217
2.5

✓M 929
2.7

✓M 2294
t.p.

✓M 3234
t.p.

✓M 4267
2.4

✓M 4436
2.2 qf

✓M 540⁴
2.5 Film Stained

Saturday March 16, 1918

2 Orionis

✓ M 1187
2.6

✓ M 2726
2.0

✓ M 2792
t.p

✓ M 3223
2.2

✓ 4010
✓ M 4576
2.1

✓ M 2304
t.p

✓ M 2354
t.p

✓ M 1553
2.3 film stained

✓ M 1547
2.7 film stained.

✓ M 1174
t.p

✓ M 2762
t.p.

✓ M 2657
2.3

✓ M 4399
2.1

✓ M 3380
2.4

✓ M 3980
2.4

✓ M 3897
t.p

✓ M 2325
2.9

✓ M 2231
2.4 e

✓ M 894
2.75

✓ M 227
2.4

3.20

Monday March 18, 1918

2 Orionis

9:30

✓M1160
2.4

✓M1615
2.7

✓M838
2.3

✓M.971
3.3?

✓M949
2.7

✓M4816
2.3

✓

✓M4355
t.p.

M866
2.1

✓M1596
t.p.

✓M1792
2.4

✓M962
2.8

✓M320
~~3.2~~ 2.3

✓M842
2.4

✓M1193
2.6

✓M339
t.p.

✓M1891
t.p.

✓M976
t.p.

✓M1516
2.5

✓M1518
t.p.

✓M1257
3.1

Monday, March 18, 1918

α Orionis

✓ M1556 2.8	✓ M901 2.75
✓ M4342 2.4 qg	✓ M4314 2.7
✓ M3796 2.4	✓ M1583 2.7 film pink
✓ M1466 t.p.	✓ M987 t.p.
✓ M992 2.6	✓ M342 2.8
✓ M1202 2.4	✓ M1815 1.8
✓ M4842 t.p.	✓ M1284 2.7
✓ M269 t.p.	✓ M660 2.6
✓ M1178 t.p.	✓ M3787 t.p.
✓ M343 2.6	✓ M4908 2.6

Monday March 18, 1918

2 Orionis.

✓M 625
t.p.

✓~~M 4204~~ M 4349
t.p.

✓M 1812
2.0

✓M 4863
2.5 signals irregular

✓M 1278
2.4

✓M 295
2.5

✓M 606
t.p.

✓M 4338
2.6

✓M 4841
2.6

✓M 1952
t.p.

✓M 1230
t.p.

✓M 4855
t.p.

✓M 3147
2.1

✓M 4308
t.p.

✓M 4366
t.p.

✓M 1923
t.p.

✓M 224
2.4

✓M 2637
2.7 g

✓M 3137
2.5

✓M 4284
2.6

Monday March 18, 1918

X Quiconis

✓ M 1911
t.p.✓ M 1234
t.p.✓ M 4251
t.p.✓ M 301
2.6✓ M 4912
2.5✓ M 1240
2.49✓ M 1864
2.4 signals irregular✓ M 259
2.5✓ M 4893
t.p.✓ M 263
2.4✓ M 1822
2.4 sep 50✓ M 1237
t.p.✓ M 1289
t.p.✓ M 305
2.6✓ M 664
2.6 g✓ M 1224
t.p.✓ M 621
2.8✓ M 249
2.5M 2644
2.4 g✓ M 252
t.p.

Monday March 18, 1918

x Orionis

✓ M 1887

t.p.

✓ M 4331

t.p.

✓ M 4905

2.3 e

✓ M 1808

2.3 - sig - irreg.

✓ M 1844

2.5 signals irregular

✓ M 640

t.p.

✓ M 4831

2.3

✓ M 4851

t.p.

✓ M 315

t.p.

✓ M 1264

2.5 p

✓ M 3185

2.5

✓ M 653

2.6 qf

✓ M 4814

t.p.

✓ M 4329

t.p.

✓ M 4379

t.p.

✓ M 1939

t.p.

✓ M 1958

t.p.

✓ M 287

2.3

✓ M 1256

t.p.

✓ M 4279

2.5

Monday March 18, 1918

2 Orionis

✓ M 1918
t.p.✓ M 997
2.6✓ M 281
2.4✓ M 1527
2.3✓ M 4255
2.6✓ M 1624
2.7✓ M 1850
2.3✓ M 944
2.2✓ M 611
t.p.✓ M 4385
2.6✓ M 4916
2.4 qf✓ M 859
t.p.✓ M 1832
t.p.✓ M 1621
2.4✓ M 645
2.6✓ M 1137
2.4✓ M 1803
2.5 sig. irreg.✓ M 1922
t.p.✓ M 4352
t.p.✓ M 1499
2.8

Monday March 18, 1918

2 Orionis

✓M 4390

2.5

✓M 4294

t.p.

✓M 1566

2.3 film pink

see p. 49

✓M 916

t.p.

✓M 4885

t.p.

✓M 879

2.5 p

✓M 1475

2.5 q

✓M 1926

2.7 s.

✓M 1574

2.8 film pink

✓M 323

2.3

✓M 1942

1.8 q

✓M 870

2.5

✓M 935

2.4

M 925

2.4

✓M 338

2.0

✓M 4271

2.8 s.

✓M 1168

2.5

✓M 852

2.5

✓M 4882

t.p.

M 1896

t.p.

Monday, March 18, 1918

2 Orionis

✓ M 319
2.5

✓ M 2622
t.p.

✓ M 3794
2.4

✓ M 3363
2.5

reject see p 51

✓ M 4954
t.p.

✓ M 3878
2.5

✓ M 1536
2.3 film junk.

✓ M 2172
2.2

✓ M 4425
t.p.

✓ M 939
2.3

✓ M 1260
2.3

M 3338
✓ t.p.

✓ M 3440
t.p.

✓ M 3820
t.p.

✓ M 3920
3.0

✓ M 4311
2.2

✓ M 2266
t.p.

✓ M 3268
2.6 qf

✓ M 1608
t.p.

✓ M 4483
t.p.

Monday March 18, 1918

& Orionis

✓ M 3153
2.3✓ M 4402
t.p.✓ M 3238
t.p.✓ M 3976
2.3✓ M 4454
t.p.✓ M 2321
2.4 q✓ M 350
2.3✓ M 921
2.7✓ M 341
2.61 q✓ M 2756
t.p.✓ M 2785
t.p.✓ M 2²814
2.3

see pp 23 & 28

Reject 1.8 too bright
March 21, 1918M 4512
t.p.✓ M 2301
t.p.✓ M 3996
2.2✓ M 2^{H2}346
2.6

✓ M 2766

11:30 t.p.

Thursday March 24, 1918

α Orionis remeasures

0.50

✓ M 2314

Does not cover region

✓ M 4509

2.4

✓ M 2373

Does not cover region

✓ M 4506

2.4

✓ M 2725
t.p. m. r. g. r. g.

✓ M 4503

2.5

✓ M 3163

2.68

✓ M 4499

2.3

✓ M 215

2.3

✓ M 4494

t.p.

✓ M 4787

t.p.

✓ M 4496

2.3

✓ M 4776

2.0 yr

✓ M 3358

1.8

✓ M 4520

2.3

✓ M 2195

t.p.

✓ M 4515

2.3

✓ M 1501

Does not cover region

✓ M 4513

2.3 yr

✓ M 1604

2.5

Thursday March 21, 1918

α Orionis

✓ M 5151
t.p.✓ M 5129
t.p.✓ M 1566
17Reject 2.3 p 45
too faint✓ M 5126
t.p.✓ M 4885
t.p.✓ M 4487
2.2✓ M 1942
2.0 i2.3 p 11 too faint
reject✓ M 5122
t.p.✓ M 3879
2.5Reject 2.2 too
Bright, evidently✓ M 5116
t.p.

Est from size instead of intensity of image.

✓ M 2214
t.p.✓ M 5112
t.p.✓ M 5132
2.4✓ M 5120⁰¹
t.p.

✓ M 4489

Does not cover region

✓ M 5095
2.6 e✓ M 3994
2.3✓ M 327 - both 2.8 & 2.5 seem
correct✓ M 2343
2.6✓ M 3234
2.8

Thursday March 21, 1918

2 Orionis

✓ M5091
2.6✓ M3407
Does not cover region✓ M4436
t.p.✓ M2310
2.4✓ M4299
2.5✓ M2678
2.8M3991 Reject.
t.p. & not comparable w/ Comp stars 2.3

✓ M. 8980

✓ M1560
Does not cover region✓ M2657
2.2 Reject 19 p 27 too Br.✓ M5087
2.6✓ M3385
2.6✓ M3989
2.3✓ M1822
2.1 Reg 2.48 & too Br
signals irregularM3263
1.8 i q reject Plate✓ M252
2.4✓ M4482
Does not cover region✓ M1258
t.p.✓ M3433
2.0 t.p. reject✓ M640
2.945

Thursday March 21, 1918

α Orionis

✓m 611
2.7✓m 3363
1.9sup 159 46
reject 2.5 p 46 too faint.m 4916
2.0✓m 4483
f.p.✓m 323
2.6✓m 3238
f.p.✓m 3833 reject 1.8 p 2.5
2.4 too Br.✓m 3945 reject 2.6 p 3.4 f.
1.7✓m 962
2.6✓m 1788
3.0✓m 971 reject plate
2.8 images poor
sequence out
of order.✓m 3942
2.1✓m 4816
2.0✓m 2273
2.7✓m 866 reject 2.4
1.7✓m 3911 Reject 1.9 p 19, Br.
2.3✓m 3280
2.0 greject 2.4 too faint
image g.✓m 2182
1.8

rej 2.3 p 36

✓m 3920
2.9reject 2.5
too bright.✓m 3285
1.9 gRej 2.4 f.
p. 19

Thursday March 21, 1918

of Orion

✓ m3888
1.7✓ m4314
2.4✓ m342 rejd
2.7

✓ m1815

reject 2.3 too faint
810

lib eig irreg.

✓ m625
2.8 d>c✓ m3147
2.2✓ m256
2.4✓ m3276
2.5

Reject 2.0 p. 21

✓ m929
2.8✓ m3214
2.5

10:15

Thursday March 21, 1918

a Divinus

12:15 ✓ m 3994
2.0✓ m 4575
2.3✓ m 3358
2.3reject 1.8
B.✓ m 4573
2.3✓ m 4494
+p. reject plate✓ m 4509
2.3✓ m 5132
2.4✓ m 4506
2.5✓ m 4496
2.4✓ m 4503
2.6✓ m 4499
2.6✓ m 5091
2.6 qf✓ m 3942
2.3✓ m 5095
2.6 q✓ m 215
2.4✓ m 4776
2.1 qf✓ m 4520
2.2

12:25

Monday March 25, 1918

2 Orionis Transit Photometer

3:30

1

M5811

t.p.

✓ M7199
2.5

M6531

nothing on plate.

M5802
3.0

M7246
t.p.

✓ M5800
3.0

✓ 5973
2.3

✓ M6453
2.6 qf

M7236
t.p.

M7244
t.p.

5965
t.p.

876523
not on plate

✓ M5795
2.8

✓ M5962
2.7

M6404
t.p.

M5799
t.p.

M7234
t.p.

M7242
t.p.

M6578
t.p.

✓ M5791
2.6 qf

Monday, March 25, 1918

d. Urania Transit photometer

M 5959

t.p.

M 6511

t.p.

M 6400

Full moon

M 5784

t.p.

LM 7196

2.3

M 5954

t.p.

M 7230

t.p.

M 6387

t.p.

M 6514

t.p.

LM 7191

2.6

LM 5788

2.6

LM 7214

2.3

M 5953

t.p.

M 6508

t.p.

M 6396

t.p.

LM 5780

2.69

LM 7192

2.69

LM 5950

2.5

M 7212

t.p.

M 6382

t.p.

Monday March 25, 1918

A Union's brand Photometer

✓ M 5776
moon - region✓ M 7210
2.3✓ M 5947
2.9✓ M 6501
t.p.✓ M 6373
t.p.✓ M 5770
t.p.✓ M 7186
2.3✓ M 5925
2.9 g✓ M 7211
2.2✓ M 6366
t.p.✓ M 6505
t.p.✓ M 7181
2.6 p✓ M 5773
2.8✓ M 7201
2.5✓ M 5929
2.9✓ M 6498
t.p.✓ M 6369
t.p.✓ M 5767
t.p.✓ M 7183
2.3✓ M 5922
t.p.

Monday, March 25, 1918

α Orionis

✓ m 5763
t.p.m 7169
2.5✓ m 5923
not on plate.✓ m 6494
t.p.✓ m 6362
t.p.✓ m 5757
t.p.✓ m 7177
t.p.m 5913
2.7✓ m 4152 -
mornm 6348
gonem 6497
t.p.✓ m 6345
t.p.✓ m 5759
not on plate.m 7166
2.6✓ m 5921
t.p.✓ m 7148
A.P.m 5917
2.5m 5753
2.64:45 ✓ m 6357
t.p.m 5909
2.7

Tuesday March 26, 1918

2 Orionis

2:00

m 6467
not on plate

m 6918
t.p.

✓ m 6925
t.p.

✓ m 6467
moon's region

✓ m 5677
2.6 g

✓ m 6447
t.p.

✓ m 6273
t.p.

✓ m 6816
moon

✓ m 6427
t.p.

✓ m 7135
2.3

✓ m 6449
does not cover

✓ m 6460
2.6 g

✓ m 6842
t.p.

✓ m 6932
2.7

✓ m 7139
2.7

✓ m 5672
t.p.

✓ m 5657
t.p.

✓ m 6277
t.p.

✓ m 5895
t.p.

✓ m 6424
2.7 g

Tuesday, March 26, 1918

 α Orionis✓ m 5889
2.4 g✓ m 6414
t.p.✓ m 6922
t.p.✓ m 5867
2.4 g✓ m 6471
2.4✓ m 6907
3.0 moon near✓ m 6441
t.p.✓ m 6476
2.4✓ m 6808-
t.p.✓ m 6438
t.p.✓ m 5906
t.p.✓ m 6807
t.p.✓ m 5652
moon✓ m 7103
a n.s.✓ m 6952
2.5 g✓ m 6445-
t.p.✓ m 5686
2.6 g✓ m 6812
t.p.✓ m 6292
t.p.✓ m 5899
t.p.

Tuesday, March 26, 1918

α Orionis

✓ m5656
t.p.✓ m5903
t.p.✓ m6940
t.p.✓ m6456
2.49✓ m5668
2.89✓ m6946
t.p.✓ m6284
t.p.✓ m5681
t.p.✓ m6422
2.69✓ m6289
t.p.✓ m5879
2.62✓ m6418
t.p.✓ m6913
2.82✓ m5876
t.p.✓ m6473
t.p.✓ m6911
t.p.✓ m6442
t.p.✓ m6474
t.p.✓ m6809
t.p.✓ m6858
mwan in mwan

Tuesday March 26, 1918
 & Orionis

3.00. m_{6262}
 2.4. q?

$\checkmark m_{6803}$
 t.p.

$\checkmark m_{6953}$
 t.p.

$\checkmark m_{6899}$
 t.p.

$\checkmark m_{5693}$
 t.p.

$\checkmark m_{6269}$
 t.p.

$\checkmark m_{5815}$
 2.6

$\checkmark m_{6960}$
 t.p.

$\checkmark m_{6296}$
 t.p.

$\checkmark m_{5698}$
 2.6

$\checkmark m_{6411}$
 2.6

$\checkmark m_{5819}$
 t.p.

$\checkmark m_{5862}$
 t.p.

$\checkmark m_{6301}$
 t.p.

$\checkmark m_{6906}$
 t.p.

$\checkmark m_{6408}$
 2.6 q

$\checkmark m_{6478}$
 2.3

$\checkmark m_{5860}$
 t.p.

$\checkmark m_{6437}$
 t.p.

$\checkmark m_{6342}$
 t.p.

Tuesday, March 26, 1918

2 Orionis

Am 6486

t.p.

m 5859

t.p.

Am 6434

t.p.

m 6338

t.p.

Am 7274

2.6

m 7265

2.49

Am 6892

thrown away

m 6871

2.3

Am 6902

t.p.

Am 6488

t.p.

Am 7154

t.p.

Am 6429

t.p.

Am 5699

2.8

Am 7268

t.p.

Am 5821

2.79

Am 6889

Broken

Am 6303

2.69

Am 6800

t.p.

Am 6406

t.p.

Am 7157

Does not cover

Tuesday March 26, 1918

2 Orionis

✓ m 5706
2.6 qm 6786
✓ t.p.✓ m 5825
2.8m 7159
2.4 qm 6306
✓ Does not cover regionm 5709
✓ t.p.m 5746
2.9 q✓ m 5830
2.5✓ m 5856
2.6m 6306
✓ t.p.✓ m 6333
2.8m 5739
✓ t.p.m 6840
t.p.m 5852
✓ t.p.✓ m 6861
t.p.m 6329
t.p.✓ m 7272
2.4m 6835
t.p.✓ m 6875
t.p.m 6819
t.p.

Tuesday March 26, 1918
 2 Orionis

✓ M 6852
 2.4 qf

✓ M 6319
 t.p.

✓ M 7258
 t.p.

✓ M 6823
 1.9

✓ M 6866
 1.8

✓ M 6846
 2.0 p

✓ M 6780
 t.p.

✓ M 6792
 t.p.

✓ M 7255
 t.p.

✓ M 7162
 2.6

✓ M 5719
 2.0

✓ M 5713
 t.p.

✓ M 5841
 t.p.

✓ M 5833
 2.4 qf

✓ M 6317
 t.p.

✓ M 6308
 2.3 qf

✓ M 5724
 2.6 qf

✓ M 5736
 2.6

✓ M 5844
 t.p.

✓ M 5848
 2.7 qf

Tuesday, March 26, 1918

♌ Orionis

M 6325

✓ t.p.

✓ M 5743

2.8

M 6832

✓ t.p.

✓ M 5846

not on plate

✓ M 6855

2.6

✓ M 6321

t.p.

M 7262

✓ t.p.

4.00

M 6868

t.p.

M 6795

✓ t.p.

M 7251

2.79

M 5716

A.p.

M 5835

t.p.

M 6313

t.p.

Wednesday, March 27, 1918

α Orionis

✓ m9080

2.6

m8362

✓ α ns. d bright.

✓ m9088

2.5

✓ m8447

t.p.

✓ m7687

2.7 q

✓ m7594

2.5 q

✓ m8740

2.7

m9633

2.5

✓ m7277

2.8 q

✓ m9086

t.p.

✓ m8340

3.0

m9093

✓ t.p.

✓ m9150

2.5

m7690

✓ t.p.

✓ m8054

2.6 q

✓ m8749

2.5

9725

✓ m8496

✓ α ns.

a, b, c and bright

✓ m7281

t.p.

✓ m9217

2.6

✓ m8344

2.6

Wednesday March 27, 1918

x Orionis

✓ m 9161
t.p.

m 7295
2.3 q

✓ m 8059
2.6 q

✓ m 8365
t.p.

✓ m 8702
2.7 q

✓ m 8358
2.7

✓ m 9722
t.p.

✓ m 9181
2.6 q

✓ m 9232
2.7

✓ m 8080
2.5 p

✓ m 9051
t.p.

✓ m 8724
t.p.

✓ m 7732
t.p.

m 9708
✓ t.p.

✓ m 9121
2.6 q

m 8448
✓ t.p.

✓ m 9703
t.p.

m 9239
t.p.

✓ m 8765
2.4 q

✓ m 8378
2.6 q

Wednesday, March 27, 1918

α Orionis

✓ m8009
t.p.

✓ m7282
t.p.

✓ m7615
t.p.

✓ m8343
2.9

✓ m7601
2.6 g

✓ m9163
t.p.

✓ m9626
t.p.

✓ m8064
t.p.

✓ m9071
t.p.

✓ m8715
2.5

✓ m7723
1.8.

✓ m9719
t.p.

✓ m9605
t.p.

✓ m9228
2.8 S

✓ m9097
2.6

✓ m8368
t.p.

✓ m7693
1.9

✓ m8447
cannot identify

✓ m8753
cannot identify

✓ m9064
2.6

Wednesday, March 27, 1918

α Orionis

✓ M 7605
t.p.✓ M 8069
2.4 gM 9620
Orion - region✓ M 8720
Ans d bright✓ M 9055
2.6 g✓ M 9716
t.p.✓ M 7727
2.6 g✓ M 9224
2.8 s.✓ M 9099
2.8M 8371
✓ t.p.M 7696
2.5 g✓ M 8452
t.p.✓ M 8757
2.7 g✓ M 7608
2.5✓ M 7285
t.p.✓ M 9615
2.6 g✓ M 8349
t.p.✓ M 7730
t.p.✓ M 9172
2.6 g✓ M 9103
2.6

Wednesday, March 27, 1918

α Uruoris

10:30

✓ m 7698
2.5g

✓ m 8006
tp.

✓ m 8763
2.5

✓ m 7612
2.4

m 4289
✓ tp.

m 9610
✓ tp.

m 8356
✓ tp

✓ m 9094
2.4

✓ m 9176
2.6 g

m 7734
✓ tp.

✓ m 8074
tp.

✓ m 9123
2.5 g

✓ m 8721
2.8

✓ m 7712
✓ tp.

m 9714
Does not cover

✓ m 8769
2.4 g

✓ m 9220
tp.

m 7297
✓ tp.

✓ m 8373
tp.

✓ m 1639
✓ tp.

10:40

Thursday March 28 1918

2 Uranus

9:55

✓ m 9193

Does not cover

✓ m 7738

27

m 8083

✓ t.p.

m 9132

Does not cover region

m 8730

✓ t.p.

✓ m 7974

2.3 gf

✓ m 9704

2.3

✓ m 8777

2.5 gf

✓ m 9236

2.7 S

m 7300

✓ 2.5 p.

✓ m 8381

t.p.

✓ m 9643

2.6 gf

✓ m 8013

2.7 gf

✓ m 9187

t.p.

✓ m 7618

t.p.

✓ m 8088

t.p.

✓ m 8595

✓ t.p.

✓ m 8420

✓ t.p.

✓ m 9040

2.5 gf

✓ m 9727

t.p.

Thursday March 28, 1918

2 Orionis

✓ M9248
2.5q

M7304
✓ t.p.

✓ M8385
2.6

✓ M9647
t.p.

✓ M8016
2.4q

✓ M9198
2.6

M7624
nothing on plate

M8115
t.p.

✓ M9585
2.1

✓ M8424
2.6

✓ M9026
2.3q

✓ M9697
t.p.

✓ M7741
2.3 Neg. neg.

✓ M9245
t.p.

M9140
✓ t.p.

✓ M8389
2.65

✓ M7977
2.7

M8019
t.p.

✓ M8781
2.5

M7152.9
2.7

Thursday March 28, 1918

& Orionis

M 9579.⁺
 ✓ 2.3 ?

✓ M 8430
 2.3

✓ M 9012
 t.p.

M 9690
 ✓ t.p.

✓ M 774⁶
 2.4 g

✓ M 9259
 t.p.

✓ M 8141
 t.p.

✓ M 8402
 2.6

✓ M 7986
 2.6 S

M 8024
 ✓ t.p.

✓ M 8461
 t.p.

✓ M 7636
 2.4

✓ M 7308
 2.4

✓ M 7744
 t.p.

M 9657
 ✓ 2.0

✓ M 8139
 2.3 g

✓ M 9195
 2.5

M 9981
 on plate

M 8123
 t.p.

M 8797
 t.p.

Thursday, March 28, 1918

2 Orionis

✓ m 7306
tp.✓ m 9575
2.32✓ m 9652
2.3 g✓ m 9562
tp.✓ m 9196
2.7✓ m 8734
2.8 gm 8119
✓ tp.m 8050
✓ tp.m 8427
✓ tp.m 7661
✓ tp.m 9693
2.3 g✓ m 8320
2.8m 9263
✓ tp.m 7991
2.82m 8397
Vinton platem 8465
✓ tp.m 8020
✓ tp.✓ m 7311
2.3m 7633
Vinton platem 9658
tp.

Thursday, March 28, 1918

of Orionis

✓ m 9201
2.7

✓ m 8409
t.p.

✓ m 8125
t.p.

✓ m 8033
2.9

✓ m 8433
t.p.

✓ m 7646
18

✓ m 9685
t.p.

✓ m 9549
t.p.

✓ m 9256
2.6

✓ m 7676
t.p.

✓ m 8406
2.69

✓ m 328
t.p.

✓ m 8029
t.p.

✓ m 7996
t.p.

✓ m 7640
t.p.

✓ m 7548
m 489
t.p.

✓ m 9554
t.p.

✓ m 9668
t.p.

✓ m 8046
t.p.

✓ m 9206
t.p.

Thursday, March 28, 1918
 α Orionis

✓ M 8129
 t.p.

✓ M 8000
 t.p.

✓ M 8440
 t.p.

✓ M 8494
 does not cover

✓ M 9677
 does not cover

✓ M 4587
 nothing on plate in region

✓ M 9535
 t.p.

✓ M 9673
 2.2?

✓ M 8411
 2.5

✓ M 9205
 2.6

✓ M 8036
 t.p.

✓ M 8134
 t.p.

✓ M 7653
 t.p.

✓ M 8445
 2.6

✓ M 9548
 t.p.

✓ M 7590
 1.7 B

✓ M 7648
 ns.

✓ M 9601
 t.p.

✓ M 8335
 t.p.

✓ M 8415
 t.p.

Thursday, March 28, 1918
 & Orionis.

M 8041
 ✓ t.p.

✓ M 9213
 2.6

M 7649
 ✓ t.p.

✓ M 8128
 t.p.

M 7656
 nothing

M 8437
 ✓ 2.5

M 9539
 ✓ t.p.

✓ M 9682
 2.1

M 7667
 ✓ t.p.

M 9253
 nothing on plate -

✓ M 8324
 2.9 g

✓ M 7995
 2.8 L

M 7466
 does not cover

M 7318
 ✓ t.p.

11:40

M 7664
 ✓ t.p.

Friday, March 29, 1918

α Orionis

11.45

M5362
t.p.

M5322
t.p.

✓ M5307
2.4 qf

✓ M5324
t.p.

✓ M5304
2.4 qf

✓ M5327
t.p.

M5283
t.p.

M5334
t.p.

✓ M5297
t.p.

✓ M5340
2.5

M5205
2.3

✓ M5231
t.p.

M5311
2.3

M5234
2.3

✓ M5210
2.4

M5344
t.p.

✓ M5318
t.p.

M5349
2.3 qf

✓ M5228
t.p.

✓ M5237
2.5 qf

Friday March 29, 1918

d Orionis

12.00 ✓ m 5243³
2.3✓ m 5267
2.1✓ m 5353
2.7 q✓ m 5273
2.1✓ m 5247
2.3✓ m 5172
t.p.✓ m 5252
mining✓ m 5175
t.p.✓ m 5256
✓ t.p.✓ m 5178
2.2✓ m 5357
2.5✓ m 5185
t.p.✓ m 5260
2.3✓ m 5189
2.8 f✓ m 5358
t.p.✓ m 5792
t.p.✓ m 5278
t.p.✓ m 5795
2.9 p✓ m 5264
t.p.✓ m 5198
2.5

Friday March 29, 1918

d Orionis plates reversed.

12:10

✓ m 8437
2.6 qf✓ m 5195
t.p.✓ m 9213
2.6✓ m 7698
t.p.✓ m 8324
2.7 qf✓ m 9103
2.6 qf✓ m 5198
2.6✓ m 9615
2.4 q?✓ m 9205
2.4✓ m 7608
2.5✓ m 8411
2.8 qf✓ m 5189
2.8✓ m 7612
2.4✓ m 9224
2.8 S✓ m 8721
2.5? t.p.✓ m 8069
t.p.✓ m 9176
t.p.✓ m 9172
2.6✓ m 8763
2.5✓ m 5178
2.3

12:35

Saturday March 30 1918

2 Orionis Plates reversed

10:10

4:30

M 8757
2.6

M 9228
2.8

M 10198
2.6 q

M 8415
2.7

M 7696
t.p.

M 8343
2.7

M 9099
2.6

M 7693
2.5

M 7727
2.6

M 9097
2.7

M 9055
2.6

M 7723
2.3

M 9064
2.6

M 7601
2.6 q

M 10195
t.p.

M 8378
2.7

M 10191
moon

M 5223
2.6

M 10180
t.p.

M 9682
2.3

Saturday, March 30, 1917

α Orionis Plates reversed

$\sqrt{m} 7995$
 2.85.

$\sqrt{m} 9704$
 tp.

$\sqrt{m} 7590$
 2.2

$\sqrt{m} 5357$
 2.6

$\sqrt{m} 5267$
 2.4

$\sqrt{m} 8769$
 2.5

$\sqrt{m} 8445$
 2.6

$\sqrt{m} 8406$
 2.6

$\sqrt{m} 9673$
 2.5

$\sqrt{m} 5247$
 2.6

$\sqrt{m} 7646$
 2.4

$\sqrt{m} 9201$
 2.6

$\sqrt{m} 8033$
 2.95

$\sqrt{m} 7311$
 2.5

$\sqrt{m} 9044$
 2.65

$\sqrt{m} 5353$
 2.4

$\sqrt{m} 9123$
 tp.

$\sqrt{m} 7991$
 2.75

$\sqrt{m} 5260$
 2.4 ~~2.4~~

$\sqrt{m} 8370$
 2.7

16:40

Saturday, March 30, 1917

2 Orionis Plates reversed.

145

✓ M 5243
2.4

✓ M 8402
2.7

✓ M 8734
2.6

✓ M 5340
2.54

✓ M 9575
A.p.

✓ M 8430
2.6 i

✓ M 5237
2.59

✓ M 9195
2.39 - p.

✓ M 9693
2.59

✓ M 5210
2.5

✓ M 9196
2.7

✓ M 5304
2.6 qf

✓ M 9652
2.5

✓ M 9657
2.4

✓ M 8139
2.4 qf

✓ M 5234
2.7

✓ M 5349
2.4 q

✓ M 5311
2.6

✓ M 7636
2.5

✓ M 7308
2.5

Saturday March 30 1918

2 Orionis Plate reversed

✓ M 5205
2.6

✓ M 9121
t.p.

✓ M 7986
2.6 S

✓ M 9232
2.6 S

✓ M 7746
2.32

✓ M 8702
2.8

✓ M 9579
2.6

✓ M 8059
2.7

✓ M 5307
2.695

✓ M 8344
2.8

✓ M 8080
t.p.

✓ M 8749
2.6

✓ M 9181
t.p.

✓ M 9633
2.6

✓ M 8358
2.7

✓ M 7594
2.595

✓ M 7295
2.4

✓ M 8054
2.595

2:25 ✓ M 8765
t.p.

✓ M 9150
2.6 i

Monday April 1, 1918

2 Orionis Plates reversed

900

✓ M 5821
2.5 i

✓ M 6913
t.p.

✓ M 5699
2.4

✓ M 5899
2.6

✓ M 4274
2.6

✓ M 6422
t.p.

✓ M 6408
2.5

✓ M 5909
2.7

✓ M 5698
2.6

✓ M 5753
2.9

✓ M 6478
2.6

✓ M 7166
2.7

✓ M 6411
2.6

✓ M 5913
2.8

✓ M 5815
3.0 p

✓ M 7169
2.8

✓ M 6462
t.p.

✓ M 5917
2.6

✓ M 6456
2.4

✓ M 7201
2.5

Monday April 1, 1918

a Orionis plates reversed

✓ m 7181
2.6 g✓ m 5950
2.6✓ m 5925
2.6 g✓ m 5780
2.8✓ m 7210
2.6✓ m 7214
2.6✓ m 7183
2.5✓ m 6476
2.7 g✓ m 5929
2.6✓ m 6904
t.p.✓ m 5773
2.7 g✓ m 5867
t.p.✓ m 7211
2.6✓ m 5686
t.p.✓ m 5668
2.7 g✓ m 7191
2.5 g✓ m 7186
2.6✓ m 6952
2.5✓ m 5944
2.8✓ m 7192
2.6

Monday, April 1, 1918

α Urionis Plates reversed.

✓ m 6471 2.4	✓ m 5677 2.6
✓ m 5788 2.7	✓ m 5795 2.6
✓ m 5889 2.4	✓ m 6453 t.p.
✓ m 6424 2.6 q	✓ m 5743 2.8
✓ m 4196 2.38	✓ m 5943 2.7
✓ m 6932 2.7 q	✓ m 7251 2.6
✓ m 5791 2.6	✓ m 5800 2.7
✓ m 6460 2.5 q	✓ m 6855 2.6
✓ m 7135 2.6	✓ m 7199 2.7
✓ m 5962 2.8	✓ m 8340 2.8

Monday April 1, 1918

2 Orionis Plates reversed

✓ M 5802
3.09✓ M 5724
2.7✓ M 7277
2.7✓ M 5719
2.6✓ M 8.740
2.5✓ M 6866
2.5✓ M 5848
2.89✓ M 6852
2.4✓ M 5736
2.7✓ M 5830
2.6✓ M 6308
2.3✓ M 7159
2.4✓ M 5833
2.59✓ M 7272
2.6✓ M 7162
2.7✓ M 6333
2.6✓ M 6846
2.52✓ M 5856
2.5✓ M 6823
2.4✓ M 5746
2.6

Monday, April 1, 1918

5825 & Orionis Plates reversed

✓ ~~M 852~~
2.7✓ M 8424
2.6✓ M 5706
2.5✓ M 9198
2.6✓ M 6871
2.82✓ M 8781
2.4✓ M 7265
2.49✓ M 7977
2.7✓ M 6303
2.6✓ M 7741
2.4M 7687
2.6M 9026
2.5M 9088
2.7✓ M 9585
2.4✓ M 9080
2.6✓ M 8016
2.5 sig irreg✓ M 7629
2.4✓ M 8385
2.5✓ M 8389
2.68M 9248
2.5

Monday, April 1, 1918

2 Orionis Plates reversed

✓ m 9643
2.4✓ m 7300
2.4✓ m 8777
2.6✓ m 7974
2.4✓ m 7738
2.5✓ m 9040
2.5✓ m 8013
2.7 reg mag✓ m 9236
2.78

11:10

Wednesday April 2 1918

2 Orionis

9:15

✓ M 10198
2.9 g

✓ M 10138
t.p.

✓ M 10180
t.p.

✓ M 10129
2.9

✓ M 10175
t.p.

✓ M 10124
cannot identify

✓ M 10168
t.p.

✓ M 10121
t.p.

✓ M 10163
t.p.

✓ M 10116
t.p.

✓ M 10158
t.p.

✓ M 10112
t.p.

✓ M 10153
2.9 g

✓ M 10108
2.9

✓ M 10148
2.9

✓ M 10104
t.p.

✓ M 10145
t.p.

✓ M 10101
t.p.

✓ M 10141
2.9 g

✓ M 10094
t.p.

Tuesday April 2, 1918

 α Orionis

✓ M 10090
t.p.

✓ M 10060
t.p.

✓ M 10091
t.p.

✓ M 10056
t.p.

✓ M 10086
2.79

✓ M 10051
t.p.

✓ M 10082
t.p.

✓ M 10048
t.p.

✓ M 10079
t.p.

✓ M 10043
t.p.

✓ M 10074
t.p.

✓ M 10038
t.p.

✓ M 10072
t.p.

✓ M 10031
t.p.

✓ M 10069
2.8

✓ M 10029
t.p.

✓ M 10066
2.9

✓ M 10019
2.9

9:40 ✓ M 10067
t.p.

Saturday April 6, 1918

α Orionis

10:50 pm 1169
✓ 2.5

7m 11752
✓ 2.8

✓ 8m 11631
2.4

✓ 7m 11748
2.6

✓ 9m 11599
2.3

✓ 7m 11577
3.0

✓ 8m 11775
2.4

✓ 7m 11625
t.p.

✓ 8m 11595
2.5

✓ 7m 11574
t.p.

✓ 8m 11627
t.p.

✓ 8m 11618
2.4 p.

✓ 7m 11765
2.7

✓ 7m 11570
t.p.

✓ 7m 11589
2.6

✓ 8m 11613
2.7

✓ 7m 11756
t.p.

✓ 7m 11567
2.5

✓ 7m 11581
2.6

✓ 7m 11742
2.5

Saturday, April 6, 1918

L. Orionis

 $\sqrt{m} 11559$
2.5

 $\sqrt{m} 11546$
2.7

 $\sqrt{m} 11438$
2.6

 $\sqrt{m} 11192$
2.9

 $\sqrt{m} 11556$
2.6

 $\sqrt{m} 11730$
2.8

 $\sqrt{m} 11611$
2.3

 $\sqrt{m} 11186$
t.p.

 $\sqrt{m} 11732$
2.6

 $\sqrt{m} 11543$
2.9

 $\sqrt{m} 11608$
2.6

 $\sqrt{m} 11726$
1.7

 $\sqrt{m} 11553$
2.6 qf

 $\sqrt{m} 1175-$
t.p.

 $\sqrt{m} 11603$
2.9

 $\sqrt{m} 11540$
2.7

 $\sqrt{m} 11196$
t.p.

 $\sqrt{m} 11722$
t.p.

 $\sqrt{m} 11200$
2.7 qf

 $\sqrt{m} 11718$
2.9

Saturday, April 6, 1918

α Orionis

 $\sqrt{M} 11534$
2.6

 $\sqrt{M} 11522$
2.5

 $\sqrt{M} 11171$
2.6

 $\sqrt{M} 11700$
t.p.

 $\sqrt{M} 11713$
t.p.

 $\sqrt{M} 11156$
t.p.

 $\sqrt{M} 11530$
2.5

 $\sqrt{M} 11516$
2.6

 $\sqrt{M} 11711$
t.p.

 $\sqrt{M} 11695$
2.5

 $\sqrt{M} 11163$
2.5

 $\sqrt{M} 11691$
t.p.

 $\sqrt{M} 11526$
2.7

 $\sqrt{M} 11153$
t.p.

 $\sqrt{M} 11709$
t.p.

 $\sqrt{M} 11508$
3.0

 $\sqrt{M} 11705$
2.5

 $\sqrt{M} 11686$
t.p.

 $\sqrt{M} 11161$
2.8
11:55

 $\sqrt{M} 11149$
t.p.

Monday April 8. 1918

2 Urionys

9:05 ✓ M 10561
2.7

✓ M 11660
2.6

✓ M 11683
t.p.

✓ M 11129
2.6

✓ M 11667
2.7

✓ M 10580
Does not cover region

✓ M 11144
2.6

✓ M 10587
2.6

✓ M 10564
t.p.

✓ M 11658
t.p.

✓ M 10568
2.7

✓ M 10583
2.7 qf

✓ M 11664
t.p.

M 11133
Not on plate.

✓ M 11138
t.p.

✓ M 11650
2.8 qf

✓ M 11140
2.7

✓ M 10597
2.6 sig. irry

✓ M 10571
2.8

✓ M 11175
2.6

9:20

Monday April 8, 1918

 α Orionis11:45 $\checkmark$ M 10591
t.p. $\checkmark$ M 11093
2.7 $\checkmark$ M 11646
2.4 $\checkmark$ M 11114
t.p. $\checkmark$ M 11126
2.5 $\checkmark$ M 10537
2.7 $\checkmark$ M 10526
t.p. $\checkmark$ M 11088
t.p. $\checkmark$ M 11111
t.p. $\checkmark$ M 11090
2.6 $\checkmark$ M 11644
t.p. $\checkmark$ M 11108
2.7 qf $\checkmark$ M 10529
2.7 qf $\checkmark$ M 10544
~~t.p.~~ 3.0 qf $\checkmark$ M 11640
2.5 $\checkmark$ M 10546
2.9 $\checkmark$ M 11634
t.p. $\checkmark$ M 11084
2.6 $\checkmark$ M 10536
2.9 $\checkmark$ M 11103
2.8

Monday April 8, 1918

2 Virgo

11:55

✓ M 11202
t.p.

✓ M 10740
t.p.

✓ M 11081
2.7

✓ M 10518
t.p.

✓ M 10702
2.9

✓ M 10644
2.8

✓ M 10550
3.0

✓ M 11068
2.9

✓ M 11077
2.6

✓ M 10520
t.p.

✓ M 10732
t.p.

✓ M 10648
2.9

✓ M 11073
t.p.

✓ M 11064
t.p.

✓ M 10557
2.7

✓ M 10271
t.p.

✓ M 10736
2.89

✓ M 11058
t.p.

✓ M 11070
2.8

✓ M 10655
t.p.

12:10

Monday April 8, 1918

2 Orionis

12:15 ✓ M 11054
t.p.✓ M 10658
2.8✓ M 106267
t.p.✓ M 11050
2.8 qf✓ M 10663
2.9 qf✓ M 11044
2.75✓ M 10259
t.p.✓ M 11040
2.6✓ M 11038
t.p.✓ M 10676
t.p.✓ M 10255
t.p.✓ M 10677
t.p.✓ M 10257
2.9✓ M 10682
2.9 qf✓ M 11034
t.p.✓ M 10247
t.p.✓ M 10686
t.p.✓ M 11032
2.7✓ M 10244
t.p.✓ M 11028
2.7

Monday, April 8, 1918
 & Orionis

√ M 11025
 2.6

√ M 10234
 t.p.

√ M 11021
 2.6

√ M 11250
 t.p.

√ M 10241
 t.p.

√ M 10602
 2.6 qf

√ M 11016
 t.p.

M 10229
 t.p.

√ M 10690
 2.7

√ M 10225
 t.p.

√ M 11013
 2.7

√ M 11244
 3.3

√ M 10237
 t.p.

√ M 10605
 t.p.

√ M 10693
 2.6

√ M 11239
 2.2

√ M 11004
 2.5 qf

√ M 11234
 3.4

√ M 10698
 2.8

√ M 10607
 3.0

Monday April 8, 1918

 α Circinus

$\checkmark$ m 11231
 t.p.

$\checkmark$ m 10201
 t.p.

$\checkmark$ m 10609
 t.p.

$\checkmark$ m 10617
 2.7

$\checkmark$ m 10218
 2.79

$\checkmark$ m 11217
 t.p.

$\checkmark$ m 11223
 & very faint

$\checkmark$ m 11211
 2.8

$\checkmark$ m 10612
 2.8

$\checkmark$ m 10621
 t.p.

$\checkmark$ m 10214
 t.p.

$\checkmark$ m 11207
 2.9

$\checkmark$ m 11221
 & very faint

$\checkmark$ m 10624
 2.59

$\checkmark$ m 10614
 t.p.

$\checkmark$ m 10627
 2.6

$\checkmark$ m 10206
 t.p.

$\checkmark$ m 11204
 t.p.

$\checkmark$ m 10210
 t.p.

$\checkmark$ m 10637
 3.0

Monday April 8, 1918

d Orionis Plates reversed.

↓ m10636
3.0

√ M 11540
3.5

√ m 10638
t.p.

√ m 11726
2.6

1:10
3:00

√ m 11508
2.9

√ m 11543
2.7

√ m 11161
2.6

√ m 11730
2.7

√ m 11526
2.7

√ m 11192
2.6

√ m 11163
2.6

√ m 11546
2.7

√ m 11530
2.7

√ m 11200
3.39 t.p.?

√ m 11171
2.7

√ m 11603
2.5

√ m 11534
2.7

√ m 11552
2.395

√ m 11718
2.8

m 11608
2.5

Monday April 8, 1918

X Uranus plates reversed.

✓M 11732
2.5

✓M 11748
2.6

✓M 11611
2.3

✓M 11752
3.5 f ?

✓M 11556
2.6

✓M 11581
2.6

✓M 11738
2.6

✓M 11589
2.9

✓M 11559
2.6 g

✓M 11765
2.7

✓M 11742
2.5

✓M 11595
2.4

✓M 11564
2.6

✓M 11775
2.3

✓M 11613
2.9

✓M 11599
2.3

✓M 11618
2.6

✓M 11631
2.4 g

✓M 11577
2.7

✓M 11769
2.6 g

3:40

Monday April 8, 1918

2 Orionis Plates reversed

- | | |
|-------------------------------|------------------------------|
| ✓ M10069
2.6 g | ✓ M5267
2.2 |
| ✓ M10129
2.8 | ✓ M5273 reject 2! too bright |
| ✓ M10141
f.p. | ✓ M5311
2.4 g. |
| ✓ M10148
2.7 Δ | ✓ M11103
2.6 |
| ✓ M10153
f.p. | ✓ M11084
2.4 |
| ✓ M10198
2.6 g | ✓ M10544
2.7 |
| ✓ M10019
2.8 g | ✓ M10546
2.9 |
| ✓ M10066
2.9 g | ✓ M11108
2.7 |
| ✓ M5234 Reject 2.3 too bright | ✓ M11096
2.4 |
| ✓ M5247
2.4 g | ✓ M10537
2.6 |

Monday April 8, 1918

2 Orionis Plates reversed.

* γ ; $\checkmark$ M 11093
2.4

$\checkmark$ M 10587
2.8

$\checkmark$ M 10536
2.9

$\checkmark$ M 11129
2.7

$\checkmark$ M 11640
2.4

$\checkmark$ M 11660
2.6

$\checkmark$ M 10529
2.8

$\checkmark$ M 10571
2.9

$\checkmark$ M 11126
2.5

$\checkmark$ M 11140
2.6

$\checkmark$ M 11646
2.3

$\checkmark$ M 10568
tr 1

$\checkmark$ M 11125
2.6

$\checkmark$ M 11144
2.9

$\checkmark$ M 10597
2.7

$\checkmark$ M 11667
2.8

$\checkmark$ M 11650
2.6

$\checkmark$ M 10561
2.8

$\checkmark$ M 10583
2.6

$\checkmark$ M 11695
2.6

4.25

Tuesday April 9, 1918

2 Drums Plates reversed

9.50

✓ M 11516
3.3 f?

✓ M 8411
2.9

✓ M 10636
3.0

✓ M 11207
3.5? top

✓ M 11522
2.5

✓ M 7723
1.7

reject 3.81

✓ M 11705
2.5

✓ M 11211
2.6

✓ M 9256
2.6

✓ M 7693
2.4 g

reject 1.98 81

✓ M 10632
2.7

✓ M 10617
2.6

✓ M 8721
2.6 g

✓ M 7646
2.4 g

Repeat 1.8 P

✓ M 10627
2.9

✓ M 10612
2.6

✓ M 8704
2.7 g

✓ M 9646
2.5 g

✓ M 10624
2.6

✓ M 10218
2.6 g

75
A

Tuesday, April 9, 1918

α Orionis Plates reversed.

✓ M 11234
3.4

✓ M 11004
2.7

✓ M 9657
2.3

✓ M 7210
2.5

✓ M 10607
2.7 qf

✓ M 10693
2.6

✓ M 9673
2.6

✓ M 11013
2.7

✓ M 11244
3.2

✓ M 7211
2.3

✓ M 9585
2.3

✓ M 10690
2.7

✓ M 10602
2.4 qf

✓ M 7214
2.6

✓ M 7629
2.7

✓ M 7186
2.5

✓ M 10698
2.6

✓ M 7196
tp image not comparable

✓ M 7590
1.7

M 11021
2.7

Repeat 2.6 p 86.

Tuesday, April 9, 1918

& Urquiza plates reversed

✓ M 11025
2.6

✓ M 11040
2.55

✓ M 7169
2.4

✓ M 6823
2.2

✓ M 11028
2.6

M 11044
t.p.

✓ M 7139
2.8

✓ M 6424
2.6 qf t.p.?

✓ M 11032
2.9

✓ M 10663
2.7

✓ M 7135
2.6

✓ M 6308
2.6 qf

✓ M 10682
3.0 p

✓ M 11050
2.8 qf

✓ M 6866
2.4 qf

✓ M 5973
2.6

✓ M 10251
2.6

✓ M 10658
2.9 qf

✓ M 6846
2.9 qf

✓ M 5815
2.5

Reject 30 p 85

Tuesday, April 9, 1918

& Uranus Plate reversed

Jm 5879
2.6Jm 5746
2.7 p~~Jm~~ 10648
2.7✓ Jm 5753
2.6✓ Jm 5899
2.7 g?✓ Jm 5800
2.9Jm 11068
2.6Jm 10736
2.6✓ Jm 5927
t.p.✓ Jm 10557
2.8✓ Jm 10644
2.7✓ Jm 11077
2.5✓ Jm 5929
2.7✓ Jm 10550
2.9Jm 11070
2.6✓ Jm 10702
2.9Jm 5699
2.5Jm 11081
✓ 2.611:00 ✓ Jm 5719
2.6 g

1918phae.proj.1174v