KG
11365
718

1903phae.proj..719B

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

KG 1136 S .718

1903phae.proj..719B

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

KE 11365.718

UNIVERSITY
LIBRARY
JUL 17 1956

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Index to Book 12.

Meas.				Page
	R R Scorpii (cont from Bk. 11)			3 to 20
"	T Arae	16h 54m.3	−54°.9 (1900)	20 " 45
"	R T Scorpii			46 " 80
"	R A Scorpii			81 " 118
"	δ Ophiuchi			119 " 163

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 5, 1903.

R.R. Scopii cont. from Bk. 11.

✓ AM180

7.66 f 3 r 7.96 8.01 = 7.98 02 03
8.01 r 2 N 8.21

✓ AM136

8.73 d 3 r 9.03 9.18 = 9.10 07 08
9.18 r 2 e 9.38

✓ AM9

11.03 L 4 r 11.43 a
L S

✓ AM807

6.98 a 3 r 7.28 7.46 = 7.37 10 09 09
7.46 r 2 f 7.66.

✓ AM799

6.98 a 3 r 7.28 7.56 = 7.42 14 14
7.56 r 1 f 7.66

✓ AM784

7.66 f 2 r 7.86 8.01 = 7.94 08 07
8.01 r 2 N 8.21

✓ AM643

7.66 f 2 r 7.86 8.11 = 7.98 12 13
8.11 r 1 N 8.21

✓ AM613

8.21 L 3 r 8.51 8.53 = 8.52 01 01
8.53 r 2 d 8.73

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 5, 1903.

RR Sagittii cont.

✓ AM523

7.66 h 2 r 7.86 8.01 = 7.94 08 07
8.01 r 2 c 8.21

AM1482

10.30 g 3 r 10.60 10.35 = 10.47 13 12
10.35 r 3 h 10.65

✓ AM1452

10.65 h 3 r 10.95 10.45 = 10.70 25 25
10.45 r 2 h 10.65

✓ AM1299

Class C

✓ AM1276

10.30 g 2 r 10.50 10.35 = 10.42 08 07
10.35 r 3 h 10.65

✓ AM1246

Class C

✓ AM1242

9.88 f 3 r 10.18 10.00 = 10.09 09 09
10.00 r 2 g 10.30

✓ AM1234

8.73 d 3 r 9.03 9.28 = 9.16 13 12
9.28 r 1 c 9.38

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 5, 1903.

R.R. Leonis cont.

✓ AMg45

8.21 c 2 r 8.41 8.63 = 8.52 11 11

8.63 r 1 d 8.73

✓ AMg06

8.21 c 2 r 8.41 8.43 = 8.42 01 01

8.43 r 3 d 8.73

✓ AMg04

8.21 c 2 r 8.41 8.63 = 8.52 11 11

8.63 r 1 d 8.73

✓ AM849

8.21 c 2 r 8.41 8.43 = 8.42 01 01

8.43 r 3 d 8.73

✓ AM1225

8.21 c 3 r 8.51 8.63 = 8.57 06 06

8.63 r 1 d 8.73

✓ AM1213

8.73 d 2 r 8.93 9.08 = 9.00 07 08

9.08 r 3 d 9.38

✓ AM1171

8.21 c 2 r 8.41 8.43 = 8.42 01 01

8.43 r 3 d 8.73

✓ AM538

Towards edge of pl.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 5, 1903.

R R. Sporfii cont.

✓ AM577

7.66 h2r 7.86 8.01 = 7.94 08 07
8.01 r2k 8.21

✓ AM614

Pouring fog. four.

✓ AM 461

11.03 k1r 11.13 a
l St

✓ AM1175

8.21 r4r 8.61 8.43 = 8.52 09 09
8.43 r3d 8.73

✓ AM 1950

11.03 k2r 11.23 11.15 = 11.19 04 04
11.15 r2l 11.35

✓ AM1498

10.65 k3r 10.95 10.83 = 10.89 06 06
10.83 r2k 11.03

✓ AM1397

10.65 k2r 10.85 10.73 = 10.79 06 06
10.73 r3k 11.03

✓ AM1393

10.65 k2r 10.85 10.73 = 10.79 06 06
10.73 r3k 11.03

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 5 1903.

R R Tropii cont.

✓ AM1374

10.30 g3r 10.60 10.55 = 10.58 02 03
10.55 r-1h 10.65

✓ AM1351

10.65 h2r 10.80 10.73 = 10.79 06 06
10.73 r3h 11.03

✓ AM1333

9.88 f4r 10.28 10.10 = 10.19 09 09
10.10 r2g 10.30

✓ AM1295.
Class C

✓ AC2520

8.73 d2r 8.93 9.08 = 9.00 07 08
9.08 r3c 9.38

✓ AM89

10.65 h1r 10.70 10.73 = 10.74 01 01
10.73 r3k 11.03

✓ AM79

10.65 h2r 10.85 10.83 = 10.84 ~~01~~ 06 06
10.83 r3k 11.03

✓ AM67
Pk trailed

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 5, 1903.

RR Scorpii cont.

✓ AM 1829

10.30 g3r 10.60 10.45 = 10.52 08 07
10.45 b2h 10.65

✓ AM 1640

8.21 c2r 8.41 8.53 = 8.47 06 06
8.53 a2d 8.73

✓ AC 301
Poor in reg. train.

✓ AC 3777
Poor plate

✓ AC 3723

10.30 g2r 10.50 a
hSt

✓ AC 3682

9.88 f2St 10.0

✓ AC 3676
Poor in reg. train.

✓ AC 3666

10.65 h1St 10.7

✓ AC 3650
Poor in reg. train.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 5, 1903.

R R Tauri cont.

✓ AC 3546
Poor im'g. foggy.

✓ AC 3556
Poor im'g. foggy.

✓
~~Loch~~ AC 3538
10.30 g 2 ~~A~~ 10.5⁻

✓
Loch. AC 3526
Poor im'g. foggy.

✓ AC 2686
10.30 g 2 ~~A~~ 10.5⁻

✓ AC 2658
9.88 2 ~~A~~ 10.0

✓ AC 2616
Poor pl

✓ AC 2582
10.30 g 3 v 10.60 10.45⁻ = 10.52 08 07
10.45⁻ v 2 h 10.65⁻

✓ AC 2577
Poor pl

✓ AC 892
Poor pl

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 5 1903.

RR Sagittarii

✓ AC 2452

7.66 h4r 8.06 8.01 = 8.04 02 03
8.01 o2r 8.21

✓ AM 1925

11.35⁻ h1r 11.45⁻ 11.55⁻ = 11.50 05⁻ 05⁻
11.55⁻ o2r 11.75⁻

✓ AM 137

Too near edge of pl.

✓ AM 23

10.65⁻ h3r 10.95⁻ 10.93 = 10.94 01 01
10.93 o1r 11.03

✓ AM 15⁻

11.03 h2r 11.23 11.15⁻ = 11.19 04 04
11.15⁻ o2r 11.35⁻

✓ AM 1952

11.03 h3r 11.33 11.15 = 11.24 09 09
11.15⁻ o2r 11.35⁻

✓ AM 1589

Too near edge of pl.

✓ AM 15-43

Too near edge of pl.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 5 1903.

RR Scorpii conf.

✓ aM1488
Misch fl

✓ aM1487
Too near edge of pl.

✓ aC1728
Poor in reg. of var.

✓ aC1715
Poor in reg. of var.

✓ aC1686
Poor in reg. of var.

✓ aC1658
Poor in reg. of var.

✓ aC1500

7.66 1 = a 7.96 8.01 = 7.98 02 03
8.01 2 = r 8.21

✓ aC1458

6.98 a = c 7.28 7.46 = 7.37 09 09
7.46 c = b 7.66

✓ aC1363
Poor pl

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 5, 1903.

RR Sagittarii cont.

√ ale 947

Poor in reg. of area.

√ AM555

7.66 h 3σ 7.96 8.01 = 7.98 02 03
8.01 σ 2 c 8.21

√ AM988

9.88 f 2 r 9.08 9.78 = 9.68 10 10
9.78 σ 1 f 9.88

√ AM1437

10.65⁻ h 3σ 10.95⁻ 10.93 = 10.94 01 01
10.93 σ 1 h 11.03

√ AM1422

10.65 h 3σ 10.95⁻ 10.83 = 10.89 06 06
10.83 σ 2 h 11.03

√ AM1414

Poor Ham reg. of area

√ AM1496

Class C

√ AM1278

10.30 g 1σ 10.40 10.45⁻ = 10.42 02 03
10.45 σ 2 h 10.65⁻

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 5, 1903.

RR Scorpii cont.

✓ AM 1252

9.38 e3σ 9.68 9.78 = 9.73 05 05 f 2.19 10.14 06 06
9.78 σ1f 9.88

✓ AM 1236

9.38 e1σ 9.48 9.68 = 9.58 10 10
9.68 σ2f 9.88

✓ AM 907

8.21 e2σ 8.41 8.43 = 8.42 01 01
8.43 σ3d 8.73

✓ AM 856

Class C

✓ AM 854

Class C

✓ AM 817

7.66 e2σ 7.86 7.91 = 7.88 02 03
7.91 σ3d 8.21

✓ AM 808

6.98 e3σ 7.28 7.56 = 7.42 14 14
7.56 σ1f 7.66

✓ AM 802

7.66 e1σ 7.76 8.01 = 7.88 12 13
8.01 σ2d 8.21

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 5, 1903.

RR Scorpii cont.

✓ AM 1461

10.65 h 3 r 10.95 10.83 = 10.89 06 06
10.83 r 2 h 11.03

✓ AM 232.

7.66 h 3 r 7.96 8.01 = 7.98 02 03
8.01 r 2 h 8.21

✓ AM 115

9.38 e 1 r 9.48 9.68 = 9.58 10 10
9.68 r 2 f 9.88

✓ AM 72

10.30 g 3 r 10.60 10.55 = 10.58 02 03
10.55 h 1 h 10.65

✓ AM 573
Ph. trailed

✓ AM 499
Poor ph

✓ AM 475
Class C

✓ AM 426

11.03 h 1 f 11.13

✓ AM 411
Poor ph

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 5 1903.

RR Leonis cont.

✓ AM 225

7.66 1 3 r 7.96 8.01 = 7.98 02 03
8.01 r 2 2 8.21

✓ AM 124

8.73 d 2 r 8.93 9.18 = 9.06 13 12
9.18 r 2 1 9.38

✓ AM 61

Two near edge of pl.

✓ AM 1703

Class M

✓ AM 1570

10.65 h 1 r 10.75 10.93 = 10.84 09 09
10.93 r 1 2 11.03

✓ AM 1396

10.65 h 2 r 10.85 10.83 = 10.84 01 01
10.83 r 2 2 11.03

✓ AM 1381

10.65 h 2 r 10.85 10.93 = 10.89 04 04
10.93 r 1 2 11.03

✓ AM 1330

10.65 h 2 r 10.85 10.83 = 10.84 01 01
10.83 r 2 2 11.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 5, 1903.

RR Scarpit cont.

✓ AM1325

10.65 h 2 r 10.85 10.73 = 10.79 06 06
10.73 o 3 k 11.03

✓ AM1309
Clarke

✓ AB808
10.03 k 1 St 11.13

✓ AB706
Pourpe

✓ AB409
Pourpe

✓ AB343
10.30 g St 10.40

✓ AB283
9.88 f 1 r 9.98 10.20 = 10.09 11 11
10.20 o 1 g 10.30

✓ AM987
9.38 e 2 r 9.58 9.68 = 9.63 05 05
9.68 o 2 f 9.88

✓ AM956
Pl trailed

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

R R Leonis cont.

✓ AM853-

8.21 2 2 r 8.41 8.53 = 8.47 06 06
8.53 r 2 2 8.73

✓ AM841

7.66 2 2 r 7.86 8.11 = 7.98 12 13
8.11 r 1 2 8.21

✓ AM1002

Pl. trailed

✓ AM960

Pl. trailed

✓ AM879

7.66 2 2 r 7.86 8.11 = 7.98 12 13
8.11 r 1 2 8.21

✓ AM833

7.66 2 2 r 7.86 8.01 = 7.94 08 07
8.01 r 2 2 8.21

✓ AM366

10.30 2 3 r 10.60 10.55 = 10.58 02 03
10.55 r 1 2 10.65

✓ A 2826

10.65 2 1 r 10.75 10.93 = 10.84 09 09
10.93 r 1 2 11.03

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 5, 1903.

RR Scorpii cont.

✓ A3221
Tooman dge ffb

✓ A4771

8.73 d 1 o 8.83 9.18 = 9.00 17 18
9.18 o 2 l 9.38

✓ A5625

10.65 h 1 o 10.75 10.83 = 10.79 04 04
10.83 o 2 h 11.03

✓ A5642

10.30 g 1 o 10.40 10.55 = 10.48 08 07
10.55 o 1 h 10.65

✓ A5708

10.65 h 2 g 10.85 10.93 = 10.89 04 04
10.93 o 1 h 11.03

✓ A3698

11.75 m 1 o 11.85 12.07 = 11.96 11 11
12.07 o 1 m 12.17

✓ A3828

9.38 e 1 o 9.48 9.78 = 9.63 15 15
9.78 o 1 f 9.88

✓ A3826

9.38 e 1 o 9.48 9.78 = 9.63 15 15
9.78 o 1 f 9.88

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 5, 1903.

RR Scorpii cont.

✓ A 3825

9.38 e2σ 9.58 9.78 = 9.68 10 10
9.78 σ17 9.88

✓ A 3827

9.38 e1σ 9.48 9.68 = 9.58 10 10
9.68 σ2f 9.88

✓ A 3831

9.38 e1σ 9.48 9.68 = 9.58 10 10
9.68 σ2f 9.88

✓ A 3834

9.88 f1σ 9.98 10.10 = 10.04 06 06
10.10 σ2g 10.30

✓ A 3829

9.88 f1σ 9.98 10.10 = 10.04 06 06
10.10 σ2g 10.30

✓ A 3832

9.88 f1σ 9.98 10.20 = 10.09 11 11
10.20 σ1g 10.30

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 12, 1903.

Variable T Arae A.G.C. 23005.
16h 54m 3 - 54° 9' (1900)
Comp. plate on B 17430. A.M. 1213.

✓ B22474
Pl. scratched in reg. of var.

✓ B22598

10.32	f 3o	10.62	10.34 = 10.48	14	14
10.34	o 2g	10.54			

✓ B22660
Too near edge of pl.

✓ B30580

9.70	d 2o	9.90	9.82 = 9.86	04	04
9.82	o 2d	10.02			

✓ B30588

10.54	g 2o	10.74	10.52 = 10.63	11	11
10.52	o 3h	10.82			

✓ B31433

10.82	h 2o	11.02	11.02 = 11.02	00	00
11.02	o 1h	11.12			

✓ B31463

10.54	g 3o	10.84	10.62 = 10.73	11	11
10.62	o 2h	10.82			

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 12, 1903.

T Arae cont.

✓ B21895

10.02 e 2r 10.22 10.22 = 10.22 : 00 00
10.22 r 1 7 10.32

✓ B21748 Sp.
Diff.

✓ B28251

9.70 d 2r 9.90 9.82 = 9.86 04 04
9.82 r 2l 10.02

✓ B28146

9.70 d 2r 9.90 9.92 = 9.91 01 01
9.92 r 1l 10.02

✓ B29975

11.12 h 2r 11.32 11.30 = 11.31 01 01
11.30 r 1l 11.40

✓ B29987
Too near edge of plate

✓ B20189

10.82 h 2r 11.02 10.82 = 10.92 10 10
10.82 r 2l 11.12

✓ B30220

10.82 h 2r 11.02 11.02 = 11.02 00 00
11.02 r 1l 11.12

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 12, 1903.

T Aquarii

✓ B30240

11.12 h 2 r 11.32 11.30 = 11.31 01 01
11.30 a 1 k 11.40

✓ B30297

10.82 h 1 r 10.92 10.92 = 10.92 00 00
10.92 a 2 k 11.12

✓ B30530

10.32 f 1 r 10.42 10.34 = 10.38 04 04
10.34 a 2 g 10.54

✓ B27749

10.82 h 2 r 11.02 10.92 = 10.97 05 05
10.92 a 2 k 11.12

✓ B27719

10.82 h 2 r 11.02 11.02 = 11.02 00 00
11.02 a 1 k 11.12

✓ B27683

Surface

✓ B27558

10.82 h 1 r 10.92 11.02 = 10.97 05 05
11.02 a 1 k 11.12

✓ B27478

10.54 g 1 r 10.64 10.62 = 10.63 01 01
10.62 a 2 k 10.82

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 12, 1903.

T Aur

✓ B27162

10.54 g 1r 10.64 10.62 = 10.63 01 01
10.62 r 2h 10.82

✓ B29758

10.82 h 2r 11.02 11.02 = 11.02 00 00
11.02 r 1h 11.12

✓ B29480

Too near edge of plate

✓ B29470

10.54 g 2r 10.74 10.62 = 10.68 06 06
10.62 r 2h 10.82

✓ B28579

10.02 d 2r 10.22 10.22 = 10.22 00 00
10.22 r 1f 10.32

✓ B25-593 Sp.

10.82 f 1r 10.42 10.34 = 10.38 04 04
10.34 r 2g 10.54

✓ B25-590 Sp.

10.32 f 3r 10.62 10.34 = 10.48 14 14
10.34 r 2g 10.54

✓ B25-588 Sp.

Diff

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 12, 1903.

T Arae cont.

✓ B25529

10.54 g 2r 10.74 10.72 = 10.73 01 01
10.72 b 1h 10.82

✓ B25528

10.54 g 2r 10.74 10.62 = 10.68 06 06
10.62 r 2h 10.82

✓ B25239

9.70 d 2r 9.90 9.72 = 9.81 09 09
9.72 r 8l 10.02

✓ B25964

9.70 d 3r 10.00 9.82 = 9.91 09 09
9.82 r 2l 10.02

✓ B26014

9.70 d 3r 10.00 9.82 = 9.91 09 09
9.82 r 2l 10.02

✓ B27948

10.02 l 2r 10.22 10.12 = 10.17 05 05
10.12 r 2f 10.32

✓ B27749

10.82 h 2r 11.02 10.92 = 10.97 05 05
10.92 r 2k 11.12

✓ B22027

10.54 g 3r 10.84 10.62 = 10.73 11 11
10.62 b 2h 10.82

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 12 1903.

Tracing cont.

✓ B21140

10.02 e 10 o 10.12 10.12 = 10.12 00 00

10.12 o 2 f 10.32

✓ B21197

10.02 e 30 o 10.32 10.22 = 10.27 05 05

10.22 o 1 f 10.32

✓ B27106

Too near edge of pl.

✓ B21942

10.82 h 2 o 11.12 10.92 = 11.02 10 10

10.92 o 2 h 11.12

✓ B23962

10.02 e 10 o 10.12 10.12 = 10.12 00 00

10.12 o 2 f 10.32

✓ B25190

Damaged in proj. frame.

✓ B23002

Too near edge of pl.

✓ B22060

Too near edge of pl.

✓ B28281

10.02 e 1 f 10.12 10.12 = 10.12 00 00

10.12 o 2 f 10.32

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 12, 1903.

T Arae work.

✓ B27371
Surface

✓ B26012
Too near edge of plate

✓ B 6279
Too near edge of plate

B20394
Too near edge of plate

✓ B25119
10.02 e1 o 10.12 10.12 = 10.12 00 00
10.12 o2 f 10.32

✓ B24008
9.70 d2 o 9.90 9.82 = 9.86 04 04
9.82 o2 e 10.02

✓ B25786
10.02 e2 o 10.22 10.02 = 10.12 10 10
10.02 o3 f 10.32

✓ B25733 Sp.
10.54 g2 f 10.74.

✓ B22852 Spl.
10.02 g2 o 10.22 10.12 = 10.17 05 05
10.12 o2 f 10.32

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 12, 1903.

T Aur cont.

✓ B22929

10.54 g 3 α 10.84 10.52 = 10.68 16 16
10.52 α 3 h 10.82

✓ B23028 Sp.

10.02 e 1 α 10.12 10.22 = 10.17 05 05
10.22 α 1 f 10.32

✓ B23173

10.54 g 3 α 10.84 10.62 = 10.73 11 11
10.62 α 2 h 10.82

✓ B23199

10.54 g 2 α 10.74 10.52 = 10.63 11 11
10.52 α 3 h 10.82

✓ B23919

10.54 g 2 α 10.74 10.72 = 10.73 01 01
10.72 α 1 h 10.82

✓ B25220

10.02 e 3 α 10.32 10.12 = 10.22 10 10
10.12 α 2 f 10.32

✓ B25177

10.02 e 2 α 10.22 10.22 = 10.22 00 00
10.22 α 1 f 10.32

✓ B20499

10.82 h = α 11.12 10.92 = 11.02 10 10
10.92 α 2 h 11.12

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 12, 1903.

T Aur cont.

✓ B20488

10.82 hir 10.92 10.92=10.92 00 00
10.92 o2k 11.12

✓ B20442

10.82 h2r 11.02 11.02=11.02 00 00
11.02 o1k 11.12

✓ B19954 Sp.
Diff

✓ B25740

10.32 f3r 10.62 10.44 = 10.53 09 09
10.44 o1g 10.54

✓ B13503
Too near edge of plate

✓ B11627
Diff.

✓ B8619
Too near edge of film

✓ B5927
Poor image, fogged

✓ A11475
Class C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 14, 1903.

T Aur cont.

✓ AM 411
Pouplé

✓ AM 1293
Clasle

✓ AM 499
Belen

✓ AM 485
Clasle

✓ AM 452
Clasle

✓ AM 467
Clasle

✓ AM 471
Clasle

✓ AM 7
Clasle Pouplé

✓ AM 6
Clasle F

✓ AM 488
Clasle

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 14, 1903.

T Arae

✓ AM 1213
10.82 h 2 St 11.0

✓ AM 1333
10.54 g 2 St 10.74

✓ AM 1640
10.82 h 3 St 11.1

✓ AM 1829
10.54 g 2 St 10.7

✓ AM 7
Poor fc

✓ AM 73
10.82 h 1 St 10.92

✓ AM 124
10.54 g 2 St 10.74

✓ AM 225
10.54 g 2 r 10.74 10.72 = 10.73 01 01
10.72 2 i h 10.82

✓ AM 426
10.54 g 1 St 10.64

✓ AM 1374
10.82 h 2 r 11.02 a
2 St

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 14, 1903.

T Aurae

✓ AM 1383

10.54 g 2 r 10.74 10.72 = 10.73 01 01
10.72 e 1 h 10.82

✓ AM 656

10.54 g 1 f 10.64

✓ AM 833

10.82 h 2 f 11.0

✓ AM 879

10.82 h 3 f 11.1

✓ AM 1498

10.54 g 3 f 10.84

✓ AM 1357

10.82 h 2 f 11.0

✓ AM 533

10.02 e 2 f 10.2

✓ AM 366

10.02 e 1 f 10.12

✓ AM 1471

10.82 h 2 f 11.0

✓ AM 1397

10.82 h 1 f 10.9

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 14, 1903.

T Arae cont.

✓ AM1002
Poor images

✓ AM575
Poor images

✓ AM988
10.82 h2 St 11.0

✓ AM553
10.54 g1 St 10.6

✓ AM1223
10.82 h2 St 11.0

✓ AM775
Too much edge of pl.

✓ AM745
Too much edge of pl.

✓ AM644
10.54 g1 r h St 10.64

✓ AM631
10.54 g2 r 10.74 10.72 = 10.73 01 01
10.72 b1 h 10.82

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 14, 1903.

T Aur

✓ AM 583-
10.02 21m 10.12 10.12=10.12 00 00
10.12 02f 10.32

✓ AM 525-
Too near edge of pl.

✓ AM 1460
10.82 h/o 10.92
Kf

✓ AM 960
Poor image

✓ AM 468
Poor image

✓ AM 460
10.54 g/o 10.64 10.72=10.68 04 04
10.72 Gih 10.82

✓ AM 454
10.54 g/f 10.64

✓ AM 398
Too near edge of pl.

✓ AM 379
Too near edge of pl.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 14, 1903.

T Aur

✓ AM816
10.82 h2o 11.0
k St

✓ AM818
Too near edge of plate

✓ AM787
10.82 h2o 11.0
k St

✓ AM660
Too near edge of plate

✓ AM43
Plate fouled

✓ AM497
Too near edge of plate

✓ AM529
Too near corner

✓ AM503
Too near edge of plate

✓ AM764
Too near edge of plate

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 14, 1903.

T Aur

✓ AM 1205
Too much edge of plate

✓ AM 1188
Too much edge of plate

✓ AM 1174
Too much edge of plate

✓ AM 979
Too much edge of plate

✓ AM 955
Poor images

✓ AM 848
Too much edge of plate

✓ AM 1212
Too much edge of plate

✓ AM 172
10.02 cent 10.12

✓ AM 22
10.02 cent 10.22

✓ AM 27
10.82 cent 11.0

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 14, 1903.

T Aur

✓ AM 145
Poor plt

✓ AM 156
Poor plt

✓ AM 162
10.54 g2v 10.74 10.72 = 10.73 01 01
10.72 g1b 10.82

✓ AM 80
10.54 g2 St 10.74

✓ AM 106
Too near edge plt

✓ AM 887
9.70 d2 St 9.9

✓ AM 45
Poor images

✓ AM 62
9.70 d2 St 9.9

✓ AM 74
9.70 d2 St 9.9

✓ AM 79
9.70 d2 St 9.9

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 14, 1903.

T Arae

✓ AM108
10.82 h1 A 10.92

✓ AM421
10.54 g2 A 10.74

✓ AM498
10.02 e1 A 10.12

✓ AM1927
10.82 h1 A 10.92

✓ AM1835
10.82 h2 A 11.0

✓ AM1826
Too many for h

✓ AM214
9.70 d2 A 9.9

✓ AJ305
Too many for h

✓ AM565
Too many

✓ AM591
9.70 d2 A 9.90 9.82 = 9.86 04 04
9.82 a2 e 10.02

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 14, 1903.

T Aur

✓ AM 757
9.70 d2s 9.90 9.92 = 9.91 01 01
9.92 d1e 10.02

✓ AM 826
10.82 h2 St 11.0

✓ AM 852
Cluster

✓ AM 1398
10.02 e1 St 10.12

✓ AM 1326
9.70 d1 St 9.80

✓ AM 1407
Cluster

✓ AM 1495
10.82 h1 St 10.92

✓ AM 1654
Poor in Mg. fore

✓ AM 961
Poor in mags

✓ AM 980
9.70 d2 St 9.90

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 14, 1903.

T. Aur

✓ AM 1072
9.70 d 2 ∫ 9.90

✓ AM 1176
9.70 d 2 ∫ 9.90

✓ AM 1238
10.82 h 1 ∫ 10.92

✓ AM 1240
Class C

✓ AM 1249
10.82 h 2 ∫ 11.0

✓ AM 1260
9.70 d 2 r 9.90 9.82 = 9.86 04 04
9.82 d 2 r 10.02

✓ AMg 37
Too much edge of pl.

✓ AMg 29
Pl. trailed

✓ AMg 45
Class C

✓ AMg 98
9.70 d 2 ∫ 9.90

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 14, 1903.

T Aur

✓ AM 853
Clarke

✓ AM 848
9.70 d3 f 10.0

✓ AM 1899
Pl. trailed

✓ AM 1h 84
9.70 d2 f 9.90

✓ AM 1545
9.70 d1 f 9.80

✓ AM 1533
10.02 e1 r 10.12 10.12 = 10.12 04 08
10.12 d2 f 10.32

✓ AM 1527
9.70 d2 r 9.90 9.82 = 9.86 04 04
9.82 r2 e 10.02

✓ AM 809
10.54 g2 r 10.74 10.62 = 10.68 06 06
10.62 b2 r 10.82

✓ AM 880
10.02 e2 f 10.22

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 14, 1903.

T Aur

✓ AM 387
Class C

✓ AM 409
Pl. trailed

✓ AM 1286
10.82 h 2 S 11.0

✓ AM 1409
Class C

✓ AM 1413
10.82 h 1 S 10.92

✓ AM 1423
10.82 h 1 S 10.92

✓ AM 1434
10.82 h 1 S 10.92

✓ AM 1435
10.82 h 2 S 11.0

✓ AM 1443
9.70 d 2 S 9.90

✓ AM 1447
10.82 h 1 S 10.92

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 14, 1903.

T. Aur

✓ AM 1453
10.82 h1 St 10.92

✓ AM 1469
10.82 h1 St 10.92

✓ AM 1471
10.82 h2 St 11.0

✓ AM 938
10.54 g2 r 10.74 10.72 = 10.73 01 01
10.72 b1 h 10.82

✓ AM 1036
10.82 h1 St 10.92

✓ AM 1050
Too near edge of pl.

✓ AM 1061
10.54 g3 r 10.84 10.62 = 10.73 11 11
10.62 b2 h 10.82

✓ AM 1233
Too near edge of pl.

✓ AM 1412
Too near corner of pl.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

T Arae

✓ AM 1512
Too near edge of plate

✓ AM 1388
Too near edge of plate

✓ AM 1349
Too near edge of plate

✓ AM 1362
Too near edge of plate

✓ AM 1332
Too near edge of plate

✓ AM 1324
Too near edge of plate

✓ AM 1241
Class C

✓ AM 1284
Too near edge of plate

✓ AM 1924
10.82 h 1 St 10.92

✓ AM 1936
10.82 h 2 St 11.0

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 15, 1903.

T Arae cont.

✓ A3903

10.54 g 3 o 10.84 10.62 = 10.73 11 11
10.62 o 2 h 10.82

✓ A5515

10.32 f 2 o 10.52 10.44 = 10.48 04 04
10.44 o 1 g 10.54

✓ A1910

Toomandge Hfk

✓ A1862

10.02 e 2 o 10.22 10.12 = 10.17 05 05
10.12 o 2 f 10.32

✓ A1861

10.02 e 2 o 10.22 10.22 = 10.22 00 00
10.22 o 1 f 10.32

✓ A2553

10.82 h 1 o 10.92 10.92 = 10.92 00 00
10.92 o 2 k 11.12

✓ A1912

10.54 g 3 o 10.84 10.62 = 10.73 11 11
10.62 o 2 h 10.82

✓ A2696

10.82 h 2 o 11.02 10.92 = 10.97 05 05
10.92 o 2 k 11.12

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae..proj..719B

Dec. 13, 1903.

T Arae cont.

✓ A 3603 Sp.
Too much edge of pl.

✓ A 3563 Sp.
Too much edge of pl.

✓ A 3571 Sp.
Too much edge of pl.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 23, 1903.

Variable RT Sagittarii

h m s
16 56. 8 −26° 46 (1900)

Comp. plates on B 30105 & AM 1351.

✓ B30105

10.11 g 1 o 10.21 10.03 = 10.12 09 09
10.03 o 2 h 10.23

✓ B21196

12.16 g 2 h 12.36

✓ B21104

12.46 o 1 h 12.56

✓ B11900
Poor images

✓ B11999
Poor in neg. of sun.

✓ B16981
Poor in neg. of sun.

✓ B16881

12.46 h 2 o 12.66 12.41 = 12.54 12 13
12.41 o 3 o 12.71

✓ B8711

10.23 h 2 o 10.43 10.58 = 10.50 07 08
10.58 o 1 h 10.68

✓ B9148 Poor M.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 23 1903.

R T Sagittæ cont.

✓ Bg164

12.71 d l A 12.81

✓ Bg207

12.46 h 2 r 12.66 α
o A

✓ Bg380

13.01 t 2 A 13.21

✓ Bg558 Sp.

10.23 h 2 A 10.43

✓ Bg595

13.01 t 3 r 13.31 13.11 = 13.21 10 10
13.11 r 2 u 13.31

✓ Bg596 Sp.

Poor in vic. of var.

✓ Bg597 Sp.

9.44 e l A 9.54

✓ Bg663

12.71 d l A 12.81

✓ Bg995

12.46 h 2 A 12.66

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 23, 1903.

R T Scorpii cont.

✓ B5987

10.11 g2r 10.31 10.13 = 10.22 09 09
10.13 r1h 10.23

✓ B25080

12.46 h3r 12.76 12.51 = 12.64 12 13
12.51 r2s 12.71

✓ B5988

10.23 h2r 10.43 10.58 = 10.50 07 08
10.58 r1h 10.68

✓ B6743 Sp.
Poor in rg. of rad.

✓ B6613 Sp.
Poor pl.

✓ B6103

10.11 g3r 10.41 10.03 = 10.22 19 19
10.03 r2h 10.23

✓ B7672

12.16 g2s 12.36

✓ B7673

12.16 g2r 12.36 12.26 = 12.31 05 05
12.26 r2h 12.46

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

RT Scorpii cont.

✓ B8024 Sp.
Pourple

✓ B8398 Sp.
8.94 C2r 9.14 9.04=9.09 05 05
9.04 v1d 9.14

✓ B24920
12.16 q3r 12.46 12.26=12.36 10 10
12.26 r2v 12.46

✓ B31377
12.71 s2r 12.91 12.81=12.86 05 05
12.81 v2b 13.01

✓ B39104 Sp.
Pourple

✓ B39704 Sp.
Pourple

✓ B5476
11.88 p1r 11.98 11.96=11.97 01 01
11.96 r2q 12.16

✓ B5418
11.88 p2r 12.08 11.96=12.02 06 06
11.96 r2q 12.16

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 24 1903.

R T Scorpii post.

✓ B 5337

11.28 m 2 r 11.48 11.28 = 11.38 10 10

11.28 o 1 w 11.38

✓ B 5163 Sp.
Poor in reg. of var.

✓ B 5154
Poor in reg. of var.

✓ B 5153

10.23 h 1 R 10.33

✓ B 4944 Sp.
Poor plc in reg. of var.

✓ B 3625

12.46 r 2 R 12.66

✓ B 3784

11.63 o 2 R 11.83

✓ B 3803

12.46 r 1 R 12.56

✓ B 3807

12.46 r 1 R 12.56

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 23, 1903.

R T Scorpii cont.

✓ B3865
Poor plate

✓ B3609 Sp.
Poor plate

✓ B3529
Poor in neg. of van

✓ B3489 Sp.
Poor in neg. of van.

✓ B3488 Sp.
Poor in neg. of van

✓ B3450 Sp.
Poor in neg. of van.

✓ B3406 Sp.
Too near edge of plate

✓ B3400
10.96 h2 A 11.1

✓ B29813
9.14 d2 o 9.34 9.34 = 9.34 00 00
9.34 o 1 e 9.44

✓ B13743
12.71 A1 A 12.81

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 23, 1903.

RT Sagittarii cont.

✓ B13765 Sh.

10.96 l 1 St 11.0

✓ B13766 Sh.

Too near edge of film

✓ B13864

12.71 D 2 r 12.91 12.81 = 12.86 05 05

12.81 r 2 t 13.01

✓ B13865

Poor image

✓ B13866

13.01 t 2 r 13.21 13.11 = 13.16 05 05

13.11 r 2 u 13.31

✓ B13867

12.71 D 2 r 12.91 a

t St

✓ B14739

12.71 D 1 St 12.81

✓ B14543

13.01 t 2 r 13.21 a

u St

✓ B13313

12.46 r 2 D 12.96 12.41 = 12.58 18 17

12.41 r 3 D 12.71

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 24, 1903.

RT Scorpii cont.

✓ B13312

12.16 q 2 r 12.36 12.26 = 12.31 05 05
12.26 r 2 R 12.46

✓ B13311

12.16 q 3 r 12.46 12.16 = 12.31 15 15
12.16 r 3 R 12.46

✓ B13142 Sh.

10.23 h 2 r 10.43

✓ B13108 Sh.

Too near edge of pl.

✓ B13080 Sh.

Too near edge of film

✓ B13071 Sh.

Too near edge of pl.

✓ B12844

10.23 h 2 r 10.43 10.38 = 10.40 03 02
10.38 r 3 R 10.68

✓ B12845

10.23 h 2 r 10.43 10.58 = 10.50 07 08
10.58 r 1 R 10.68

✓ B12917

11.28 h 2 r 11.48 11.18 = 11.33 15 15
11.18 r 2 R 11.38

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 24, 1903.

RT Scorpii cont.

✓ B12918

11.38 n 1r 11.48 11.43 = 11.46 02 03
11.43 r 2 0 11.63

✓ B13532

12.71 A 1 A 12.81

✓ B13491

12.71 p 3r 13.01 12.81 = 12.91 10 10
12.81 r 2 p 13.01

✓ B13490

12.16 q 3r 12.46 12.26 = 12.36 10 10
12.26 r 2 q 12.46

✓ B13405 Sh.
Too near edge of film

✓ B11076

12.46 q 2 A 12.66

✓ B11035

12.16 q 1 A 12.26

✓ B11030
Too near edge of pl

✓ B10825 Sh.
Poor image of star.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 24, 1903.

R T Scorpii cont.

✓ B10058
12.71 D1σ 12.81 a
t A

✓ B12000
13.01 t2σ 13.21 a
u A

✓ B12826
10.23 h2 A 10.43

✓ B12827
9.44 e1σ 9.54 9.59 = 9.56 02 03
9.59 σ2f 9.79

✓ B11300 Sp.
Poorly rep. of obs.

✓ B11283
12.71 D1 A 12.81

✓ B11118
13.01 t2σ 13.21 13.11 = 13.16 05 05
13.11 σ2u 13.31

✓ B11116
13.01 t3σ 13.31 a
u A

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 24, 1903.

RT Scorpii cont.

✓ B11078 Sh.
Poor pl.

✓ B14542
12.46 r1 St 12.56

✓ B14291
12.71 o2 St 12.91

✓ B14290
12.46 r3 v 12.76 12.51 = 12.64 12 13
12.51 o2 p 12.71

✓ B14152
Poor in neg. of nar.

✓ B15372
13.31 w 1 v 13.41 13.28 = 13.34 07 06
13.28 o2 X w 13.48

✓ B15428
10.68 b1 St 10.78

✓ B15526
10.68 b2 v 10.88 10.86 = 10.87 01 01
10.86 o1 b 10.96

✓ B15528
10.96 b2 v 11.16 11.08 = 11.12 04 04
11.08 o2 w 11.28

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

RT Sagittae post.

✓ B 15588

10.68 k 1 A 10.78

✓ B 15632

10.68 k 2 r 10.88 10.76 = 10.82 06 06

10.76 r 2 l 10.96

✓ B 15686

10.68 k 2 r 10.88 10.76 = 10.82 06 06

10.76 r 2 l 10.96

✓ B 15687

10.96 l 2 r 11.16 10.98 = 11.07 09 09

10.98 r 3 m 11.28

✓ B 15869

10.96 l 2 A 11.16

✓ B 15893

10.96 l 2 r 11.16 10.98 = 11.07 09 09

10.98 r 3 m 11.28

✓ B 15944

10.96 l 2 r 11.16 10.98 = 11.07 09 09

10.98 r 3 m 11.28

✓ B 15945

10.96 l 3 r 11.26 10.98 = 11.12 14 14

10.98 r 3 m 11.28

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 24, 1903.

RT Sgr. cont.

✓ B16031

10.96 l 3 r 11.26 11.18 = 11.22 04 04
11.18 r 1 m 11.28

✓ B16071

10.96 l 3 r 11.26 a
m St

✓ B16096

Pl. stained in neg. focus.

✓ B16229

11.63 0 1 r 11.73 11.68 = 11.70 03 02
11.68 r 2 f 11.88

✓ B16394

Defective neg. focus.

✓ B16409

11.38 n 1 r 11.48 a
o St

✓ B16498

11.63 0 2 r 11.83 11.68 = 11.76 07 08
11.68 r 2 f 11.88

✓ B 3728

13.01 t 3 r 13.31 a
n St

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 24, 1903.

RT Scopii cont.

✓ B13988

12.71 D 3 a 13.01 12.91 = 12.96 05 05
12.91 a 1 b 13.01

✓ B30339

10.23 h 3 a 10.53 10.48 = 10.50 03 02
10.48 a = h 10.68

✓ B8294 Sp.

8.94 B 3 a 9.24 8.84 = 9.04 20 20
8.84 a 3 d 9.14

✓ B5489

12.16 g 3 a 12.46 12.16 = 12.31 15 15
12.16 a 3 n 12.46

✓ B4833

9.14 d 3 a 9.44 9.24 = 9.34 10 10
9.24 a 2 e 9.44

✓ B4223 Sp.

Pos in sig. of var.

✓ B5649

13.01 L 3 a g 13.31? a =
m L

✓ B5658

12.71 A 1 L 12.81

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 24, 1903.

R T Scorpii cont.

✓ B5731, Sp.
Poor image of star.

✓ B5951

10.96 l 3r 11.26 10.98 = 11.12 14 14
10.98 r 3m 11.28

✓ B5952

10.68 k 1r 10.78 10.66 = 10.72 06 06
10.66 r 3k 10.96

✓ B20182 Sp.

9.79 f 1 f 9.89

✓ B20909

10.23 k 2r 10.43 10.38 = 10.40 03 02
10.38 r 3k 10.68

✓ B21366

12.71 o 2r 12.91 12.91 = 12.91 00 00
12.91 r 1o 13.01

✓ B21474

13.01 t 1r 13.11 13.01 = 13.06 05 05
13.01 r 3w 13.31

✓ B21592

11.88 f 1 f 11.98

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 24 1903.

R T Scorpii cont.

✓ B21572

13.01 t 3r 13.31 a

u A

✓ B21716

13.01 t 1A 13.11

✓ B21806

12.71 p 2r 12.91 12.71 = 12.81 10 10

12.71 r 3t 13.01

✓ B21916

10.96 l 2r 11.16 10.98 = 11.07 09 09

10.98 r 3m 11.28

✓ B21927

10.68 k 2r 10.88 10.76 = 10.82 06 06

10.76 r 2l 10.96

✓ B21957

10.96 l 1r 11.06 10.98 = 11.02 04 04

10.98 r 3m 11.28

✓ B19162

10.68 k 3r 10.98 10.76 = 10.87 11 11

10.76 r 2l 10.96

✓ B19080

11.38 n 1r 11.48 11.43 = 11.46 02 03

11.43 r 2d 11.63

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 24, 1903.

RT Scorpii cont.

✓ B19063

11.38 n 2r 11.58 11.33 = 11.46 12 13
11.33 r 3 o 11.63

✓ B19718

9.14 d 3r 9.44 9.14 = 9.29 15 15
9.14 r 3 e 9.44

✓ B19726

9.79 f 2r 9.99 9.81 = 9.90 09 09
9.81 r 3 g 10.11

✓ B20486

12.16 g 2 r 12.36 12.26 = 12.31 05 05
12.26 r 2 h 12.46

✓ B20446

11.63 o 2 f 11.83

✓ B20284

11.63 o 2 r 11.83 11.58 = 11.70 13 12
11.58 r 3 f 11.88

✓ B20282

11.63 o 2 r 11.83 11.78 = 11.80 03 02
11.78 r 1 f 11.88

✓ B20242 f.
Too near edge of film

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 24, 1903.

RT Scorpii cont.

✓ B19440

9.14 d 2r 9.34 9.34=9.34 00 00
9.34 r 1e 9.44

✓ B17089

12.16 q 1 $\underline{A}$ 12.26

✓ B17178

13.01 t 2r 13.21 a
u $\underline{A}$

✓ B17234

13.01 t 3r 13.31 a
u $\underline{A}$?

✓ B17365

Too badly broken to separate from Dave

✓ B26010

13.01 t 3 $\underline{A}$ 13.31

✓ B29472

12.16 q 2r 12.36 a
2 $\underline{A}$

✓ B27174

10.96 t 2r 11.16 10.98=11.07 09 09
10.98 r 3m 11.28

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 24, 1903.

RT Scorpii cont.

✓ B31431

12.71 p1A 12.81

✓ B31395

12.46 r2s 12.66 12.51 = 12.58 08 07
12.51 s2p 12.71

✓ B31256

Poor images

✓ B30578

11.63 p1s 11.73 11.68 = 11.70 03 02 ~~p2, 2q 12.02 06 06~~ ~~p1, 2p 11.70 03 02~~
11.68 s2q 11.88

✓ B30534

10.11 q3s 10.41 10.13 = 10.27 14 14 ~~q2, 1p 10.87 01 01~~ ~~q3, 1p 10.27 14 14~~
10.13 s1p 10.23

✓ B29260

13.01 t1A 13.10

✓ B28284

12.71 p3s 13.01 12.81 = 12.91 10 10
12.81 r2t 13.01

✓ B28253

12.46 r2A 12.66

✓ B28116

12.16 q3s 12.46 12.26 = 12.36 10 10 ~~r3, 2p 12.64 12 13~~ ~~q3, 2p 12.36 10 10~~
12.26 s2r 12.46

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 24, 1903.

R T Sagittarii cont.

✓ B27733
Toomuch edge of pl.

✓ B27720
12.16 q 3σ 12.46 12.16 = 12.31 15 15
12.16 σ 3p 12.46

✓ B22608
12.71 D 1 St 12.81

✓ B27431
11.63 03σ 11.93 11.58 = 11.76 17 18
11.58 σ 3 fp 11.88

✓ B25788
12.46 • p 1 St 12.56

✓ B25486
12.46 p 2 St 12.66

✓ B27480
11.38 N 3σ 11.68 11.43 = 11.56 12 13
11.43 σ 2 D 11.63

✓ B25334
12.71. N 1 St 12.81

✓ B25261
P damaged in neg. of star.

13
IP

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 24, 1903.

RT Scorpii cont.

✓ B23252 Sp.
Too near edge of film

✓ B23022 Sp.
13.31 m 1 r 13.41 a
m Ae

✓ B22853 Sp.
Difficult

✓ B24006
12.16 q 1 Ae 12.26

✓ B23690
11.63 01 Ae 11.73

✓ B23479
13.01 t 1 Ae 13.11

✓ B23240 Sp.
Poor images

✓ B23168
12.46 s 1 Ae 12.56

✓ B23051
13.01 t 2 r ~~13.16~~ ~~13.21~~ 13.31 ~~12.26~~ 13.11 13.16 05 05
13.31 ~~12.26~~ o 2 r ~~12.46~~

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae..proj..719B

Dec. 24, 1903.

RT Scorpii cont.

✓ B22506

11.63 o1 A = 11.73

✓ B19415

9.14 d3o 9.44 9.14 = 9.29 15 15

9.14 o3e 9.44

✓ B19369

Tooniaudge ∕ pl.

✓ B19198

10.23 h3o 10.53 10.48 = 10.50 03 02

10.48 o2k 10.68

✓ B19196

10.23 h2o 10.43 10.58 = 10.50 07 08

10.58 o1k 10.68

✓ B18919

12.46 k1o 12.56 12.61 = 12.58 02 03

12.61 o1p 12.71

✓ B19686

9.14 d2o 9.34 9.14 = 9.24 10 10

9.14 o3e 9.44

✓ B19506

9.44 e1o 9.54 9.59 = 9.56 02 03

9.59 o2f 9.79

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 24, 1903.

RT Scopii cont.

✓ B19482

9.44 21σ 9.54 9.59 = 9.56 02 03
9.89 02f 9.79

✓ B19442

9.14 d3σ 9.44 9.24 = 9.34 10 10
9.24 σ2l 9.44

✓ B185-92

12.46 21f 12.56

✓ B18712

12.46 21f 12.56

✓ B18722

12.16 q2f 12.36

✓ B18773

12.71 21f 12.81

✓ B18917

12.46 21σ 12.56 12.41 = 12.48 08 07
12.41 σ3D 12.71

✓ B17236

12.46 21f 12.56

✓ B17433

12.46 22f 12.66

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 24, 1903.

RT Sagittae cont.

✓ B17503
13.01 t 3σ 13.31 a
u A

✓ B17713
12.46 t 2σ 12.66 12.51 = 12.58 08 07
12.51 σ 2 S 12.71

✓ B18438
13.01 t 3σ 13.31 a
u A

✓ B16780
11.88 f 1 A 11.98

✓ B16779
12.16 q 4σ 12.56 12.36 = 12.46 10 10
12.36 σ 1 N 12.46

✓ B16617
12.16 q 3σ 12.46 12.26 = 12.36 10 10
12.26 σ 2 N 12.46

✓ B16539
11.28 m 1 A 11.38

✓ B17037 Sp.
Difficult

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 24, 1903.

RT Doolittle cord.

✓ B 17077

12.71 p3o 13.01 12.81 = 12.91 10 10
12.81 o2t 13.01

✓ A 1905

12.46 r3o 12.76 12.41 = 12.58 18 17
12.41 o3p 12.71

✓ A 1987

13.48 w2r 13.68 a
R

✓ A 2308

10.68 k2r 10.88 10.76 = 10.82 06 06
10.76 o2l 10.96

✓ A 2664

10.96 l2r 11.16 11.08 = 11.12 04 04
11.08 o2m 11.28

✓ A 5646

13.48 w2A 13.68

✓ B 2300 f
Attfield

✓ A M 1351

9.79 f2r 9.99 9.91 = 9.95 04 04
9.91 o2g 10.11

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 26, 19 03.

R T Scorpii cont.

✓ AM 1035-

11.38 m 1 S 11.48

✓ AM 798

10.68 R 1 S 10.78

✓ AM 945-

11.38 m 2 S 11.58

✓ AM 1383

10.11 g 3 r 10.41 10.03 = 10.22 19 19

10.03 r 2 k 10.23

✓ AM 1498

11.63 o 2 r 11.83 11.58 = 11.70 13 12

11.58 r 3 k 11.88

✓ AM 1534

11.38 m 1 S 11.48

✓ AM 1925-

12.16 q 1 S 12.26

✓ AM 15

11.38 Lw 1 r 11.48 11.43 = 11.46 02 03

11.43 r 2 O 11.63

✓ AM 137

10.68 R 2 S 10.88

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 26 1903.

RT Scorpii cont.

✓ AM 33
Poor images.

✓ AM 1234
11.38 m 1 St 11.48

✓ AM 1242
10.96 l 3m 11.26 11.08 = 11.17 09 09
11.08 r 2m 11.28

✓ AM 1246
Class C

✓ AM 1276
10.11 g 3m 10.41 10.03 = 10.22 19 19
10.03 r 2 h 10.23

✓ AM 1299
Class C

✓ AM 1950
11.63 o 1 St 11.73

✓ AM 1482
10.68 b 3m 10.98 10.76 = 10.87 11 11
10.76 r 2l 10.96

✓ AM 1165
Star returned from Peru.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae..proj..719B

Dec. 26, 1903.

RT Scorpii cont.

✓ AM 1028

10.96 l 1 r 11.06 a
m 1 t

✓ AM 1043

11.38 m 1 t 11.48

✓ AM 1236

11.63 0 2 t 11.83

✓ AM 1252

10.23 h 3 r 10.53 10.48 = 10.50 03 02
10.48 r 2 k 10.68

✓ AM 1278

10.23 h 3 r 10.53 10.48 = 10.50 03 02
10.48 r 2 k 10.68

✓ AM 1406

Class G

✓ AM 1414

10.23 h 3 r 10.53 10.38 = 10.46 07 08
10.38 r 3 k 10.68

✓ AM 1422

10.23 h 3 r 10.53 10.48 = 10.50 03 02
10.48 r 2 k 10.68

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 26, 1903.

RT Scorpii cont.

✓ AM 1437

10.23 h3σ 10.53 10.48 = 10.50 03 02
10.48 σ2h 10.68

✓ AM 1461

10.23 h3σ 10.53 10.48 = 10.50 03 02
10.48 σ2h 10.68

✓ AM 1487

10.96 l3σ 11.26 11.08 = 11.17 09 09
11.08 σ2m 11.28

✓ AM 1488
Misl. Pb

✓ AM 1543

10.11 g2f 10.31

✓ AM 1589

10.68 h1f 10.78

✓ AM 1952

11.63 o1f 11.73

✓ AM 67
Blank

✓ AM 856
Blank

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 26, 1903.

R T Scorpii cont.

✓ AM907
10.23 h2 St 10.43

✓ AM808
11.63 01 St 11.73

✓ AM817
11.38 n2r 11.58 a
0 St

✓ AM854
Class C

✓ AM461
11.28 m1 St 11.38

✓ AM538
10.68 h2 St 10.88

✓ AM577
11.63 02 St 11.83

✓ AM614
10.68 h1 St 10.78

✓ AM802
11.38 m1 St 11.48

✓ AM906
10.23 h2 St 10.43

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 26, 1903.

RT Scorpii cont.

✓ AM904

10.96 l2r 11.16 11.18 = 11.17 01 01

11.18 r1w 11.28

✓ AM807

11.38 m2r 11.58 11.53 = 11.56 02 03

11.53 r1 0 11.63

✓ AM849

10.96 l1S 11.06

✓ AM799

10.68 k2S 10.88

✓ AM784

10.23 k1S 10.83

✓ AM643

10.68 k1S 10.78

✓ AM613

11.28 m1r 11.38 11.28 = 11.33 05 05

11.28 r1w 11.38

✓ AM529

10.11 g1S 10.21

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 26, 1903.

R T Scorpii cont.

✓ AM474
Class le

✓ AM453
11.38 m1 A 11.48

✓ AM394
11.38 m1 A 11.48

✓ AM180
10.11 g1 A 10.21

✓ AM136
11.63 o1 A 11.73

✓ AM9
11.38 m1 A 11.48

✓ AM1829
11.38 m2 A 11.58

✓ AM1645
11.63 o2 A 11.83

✓ AM1397
10.23 h3 o 10.53 10.48 = 10.50 03 02
10.48 o2 k 10.68

✓ AM1374
10.23 h3 o 10.53 10.38 = 10.46 07 08
10.38 o3 k 10.68

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 26, 1903

R T Sagittii cont.

✓ AM 1333

10.23 h 3 r 10.53 10.38 = 10.46 07 08
10.38 r 3 h 10.68

✓ AM 1295 Class C

✓ AM 1225

11.38 n 2 r 11.58 11.43 = 11.50 08 07
11.43 r 2 0 11.63

✓ AM 1213

11.63 0 2 r 11.83 a
h. A

✓ AM 1171

11.38 n 1 r 11.48 11.43 = 11.46 02 03
11.43 r 2 0 11.63

✓ AM 1002 Poor images

✓ AM 988

11.88 p 2 A 12.08

✓ AM 960 on images

✓ AM 879

10.96 n r 11.16 11.08 = 11.12 04 04 h 2 2 m 11.12 04, 04
11.08 r 2 m 11.28 p 2 2 9

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 26, 1903.

RT Scorpii cont.

✓	AM833			
11.88		p2A	12.08	
✓	AM656			
11.88		p2A	12.08	
✓	AM555			
11.28		m1A	11.38	
✓	AM515			
	Cluster			
✓	AM499			
	Poor			
✓	AM475			
	Cluster			
✓	AM426			
11.63		2°2A	11.83	✓
✓	AM411			
	Poor			
✓	AM366			
11.63		01A	11.73	
✓	AM225			
11.63		01A	11.73	✓

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 26, 1903.

RT Scorpii card.

✓ AM 124
Poor images

✓ AM 80
11.63 02 At 11.83

✓ AM 93
11.28 m 2 At 11.48

✓ AM 145-2
10.68 2 r 10.88 10.86 = 10.87 01 01
10.86 2 l 10.96

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

January 1, 1904.

R St Sagittæ

$17^h 8.3^m - 33° 19' (1900)$

✓ B21806 Comp. star on B37284 AM 1461.

10.07 e2s 10.27 10.47 = 10.37 10 10
10.47 s2f 10.67

✓ B21716

12.69 m2s 12.89 Q
m1f

✓ B23684

Too near edge of pl.

✓ B23690

12.69 m1f 12.79

✓ B23968

11.15 g3s 11.45 11.37 = 11.41 04 04
11.37 s2h 11.57

✓ B24006

11.15 g2s 11.35 11.37 = 11.36 01 01
11.37 s2h 11.57

✓ B21916

10.07 e1s 10.17 10.47 = 10.32 15 15
10.47 s2f 10.67

✓ B21927

10.07 e3s 10.37 10.47 = 10.42 05 05
10.47 s2f 10.67

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 1, 1904

R A Sp coefficient

✓ B21957

10.07 e 3 σ 10.37. 10.47 = 10.42 05 05

10.47 σ 2 f 10.67

✓ B21991

10.67 f 2 σ 10.87 11.05 = 10.96 09 09

11.05 σ 1 g 11.15

✓ B23058

Too near edge of pl

✓ B23051

11.57 h 1 A 11.67

✓ B23022 Sp.

Diff

✓ B23015 Sp.

Too near edge of pl

✓ B22852 Sp.

Diff.

✓ B22608

12.69 m 1 A 12.79

✓ B22506

12.25 l 2 A 12.45

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 1, 1904

R A Sp. cont.

✓ B22475
11.93 k2 A 12.13

✓ B23168
13.54 03 A 13.84

✓ B23252 Sp.
Diff

✓ B23479
12.69 m1 A 12.79

✓ B21104
11.93 k2 A 12.13

✓ IB 20789
10.07 e2 A 10.27

✓ I 20795
11.57 k2 A 11.77

✓ I 17508
11.93 k1 A 12.03

✓ I 13911
11.57 k2 A 11.77

✓ I 13201
Perfect

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 1, 1904.

R Scorpii

✓ l 12672
Poorin ng. of var.

✓ l 12463
Poorpl

✓ l 25553
Poorpl

✓ l 25552
Poorpl

✓ B 21572
13.11 m 2 r 13.31 13.44 = 13.38 07 .06
13.44 r 1 0 13.54

✓ B 21502
12.25 l 1 A 12.35

✓ B 21474
13.11 m 3 r 13.41 13.44 = 13.42 01 02
13.44 r 1 0 13.54

✓ B 21366
13.11 m 2 A 13.31

✓ B 21196
12.69 m 2 A. 12.89

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 1, 1904

R Sagittæ

✓ B21145
Tonnaidge of pl.

✓ B27431
13.11 m 1 A 13.21

✓ B18917
13.11 m 1 r 13.21 a
o A

✓ l12455
Pomin reg of run.

✓ l15474
11.15 g 2 r 11.35 11.37 = 11.36 01 01
11.37 r 2 h 11.57

✓ B34925h.
Pomin reg. of run.

✓ B39705h.
Tonnaidge of pl.

✓ B15979
11.57 h 1 A 11.67

✓ B15944
12.69 m 2 r 12.89 13.01 = 12.95 06 06
13.01 r 1 m 13.11

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 1, 1904

R Scorpii cont.

✓ B15893

12.69 m 1 A 12.79

✓ B15686

13.11 m 2 r 13.31 a
o A

✓ B15528

12.69 m 2 A 12.89

✓ B15526

12.69 m 1 A 12.79

✓ B15372

12.69 m 2 r 12.89 12.91 = 12.90 01 01 m 1 N 12.7
12.91 o 2 v 13.11

✓ B16617

11.15 g 3 r 11.45 11.37 = 11.41 = 04 04
11.37 o 2 h 11.57

✓ B16539

11.15 g 2 r 11.35 11.27 = 11.31 04 04
11.27 o 3 h 11.57

✓ B16229

11.93 g 2 r 12.13 12.15 = 12.14 01 01
12.15 o 1 h 12.25

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 1, 1904.

R Scorpii cont.

✓ B16096

12.25 l2r 12.45 12.49 = 12.47 02 02
12.49 r2m 12.69

✓ B16071

11.93 k2r 12.13 12.15 = 12.14 01 01
12.15 r1l 12.25

✓ B16031

12.25 l2r 12.45 12.59 = 12.52 07 07
12.59 r1m 12.69

✓ B15945

13.54 o2r 13.74 13.79 = 13.76 02 03
13.79 r1h 13.89

✓ B16779

11.15 g3r 11.45 11.37 = 11.41 04 04
11.37 r2h 11.57

✓ B16780

11.15 g1r 11.25 11.27 = 11.26 01 01
11.27 r=h 11.57

✓ B17713

13.54 o1r 13.64 a
fu k

✓ B19415

13.11 m3k 13.41

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 1, 1904.

R A. Scorpii cont.

✓ B 5337
11.93 R 2 r 12.13 12.05⁻ = 12.09 04 04
12.05⁻ r 2 R 12.25⁻

✓ B 4944 Sp.
Poor in neg. of nar.

✓ B 3972 Sp.
Poor in neg. of nar.

✓ B 15388
12.25⁻ 2 1 A = 12.35⁻

✓ B 30105⁻
12.69 m 1 A = 12.79

✓ B 18771
11.15⁻ g 1 A = 11.25⁻

✓ B 18713
10.07 2 1 A = 10.17

✓ D 17643
Dales

✓ B 20509 Sp.
Too near edge of pl.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 1, 1904.

R.A. Hopkins cont.

✓ B20489
Too much edge of pl.

✓ B20281
11.57 hl A = 11.67

✓ B20153 Sh.
Poor image. Grass.

✓ B11698
11.15 g2 A = 11.35

✓ B11116
Too much edge of pl.

✓ B12000
Too much edge of pl.

✓ B12826
Too much edge of pl.

✓ B12827
Too much edge of pl.

✓ B12844
Too much edge of pl.

✓ B12845
Too much edge of pl.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 1, 1904.

RA Stephie cont

✓ B13080 Sp.
10.67 f 2 S 10.87

✓ B13765 Sp.
11.15 g2 S? 11.35

✓ B13850 Sp.
Too much edge of plate

✓ B9148
Poor plate

✓ B8024
Poor plate

✓ B7548
Poor pl.

✓ B9556
Too much edge of plate

✓ B9995
11.57 h2 S 11.77

✓ B10059
12.25 l2 r 12.45 12.39 = 12.42 03 03
12.39 r3 m 12.69

✓ B10825 Sp.
Poor image of star

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 1, 1904

R Ophiuchi cont.

✓ B 5528

Pompeo

✓ B19726

11.15 g 3 o 11.45 11.37 = 11.41 04 04
11.37 o 2 h 11.57

✓ B19718

11.15 g 1 o 11.25 11.37 = 11.31 06 06
11.37 o 2 h 11.57

✓ B19686

11.15 g 3 o 11.45 11.47 = 11.46 01 01
11.47 o 1 h 11.57

✓ B19506

13.11 n 2 A 13.31

✓ B19482

13.11 n 2 A 13.31

✓ B19442

13.54 0 2 o 13.74 a
f A

✓ B19440

13.54 0 1 o 13.64 a
f A

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan 1, 1904.

R.A. Scorpii cont.

✓ [illegible] 18343
Poor pl

✓ [illegible] 18315
11.57 h 1 A 11.67

✓ B 19684
11.57 h 1 A 11.67

✓ B 19439
12.25 l 2 A 12.45

✓ B 19063
12.25 l 2 A 12.45

✓ B 18919
13.54 0 3 A 13.84 Qe
p A

✓ B 15656
11.15 g 1 A 11.25

✓ B 16981
Poor pl

✓ B 11999
Poor nar edge of pl

✓ B 16881
11.15 g 3 A 11.45 11.27 = 11.36 09 09
11.27 b 3 h 11.57

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 1, 1904

R.A. Sagittarii cont.

✓ B19771
Too near edge of pl.

✓ B16615
Pos. micrometer.

✓ B15869
11.57 h 1 A 11.67

✓ B15687
13.11 n 3 s 13.41 a
o 4

✓ B15632
13.11 n 2 A 13.31

✓ B15428
11.57 h 3 s 11.87 11.73 = 11.80 07 07
11.73 o 2 h 11.93

✓ B16498
11.15 g 3 s 11.45 11.37 = 11.41 04 04
11.37 o 2 h 11.57

✓ B16409
11.15 g 3 s 11.45 11.37 = 11.41 04 04
11.37 o 2 h 11.57

✓ B16394
11.57 h 2 s 11.77 11.73 = 11.75 02 02
11.73 s 2 h 11.93

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 1, 1904.

R Scorpii cont.

✓ L20242
11.15⁻ g2 ⁻ 11.35⁻

✓ L20390
11.15⁻ g1 ⁻ 11.25⁻

✓ B20009
11.15⁻ g3 ⁻ 11.45⁻ 11.37 = 11.41 04 04
11.37 r2 ⁻ 11.57

✓ B3865⁻
Poorly

✓ B5989
11.15⁻ g1 ⁻ 11.25⁻

✓ B18773
12.25⁻ i3 ⁻ 12.55⁻

✓ B18722
13.11 n2 ⁻ 13.31

✓ B18712
12.25⁻ i1 ⁻ 12.35⁻

✓ B20486
11.57 h1 ⁻ 11.67

✓ B20446
11.57 h1 ⁻ 11.67 11.73 = 11.70 03 03
11.73 r2 ⁻ 11.93

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 1, 1904.

R A Scorpii cont.

✓ B20284

11.57 h1r 11.67 11.73 = 11.70 03 03
11.73 r2h 11.93

✓ B20282

11.93 h2r 12.13 12.05 = 12.09 04 04
12.05 r2l 12.25

✓ B20242 Sh.
Diff.

✓ B20182 Sh.
Coming final.

✓ B18438

13.54 02r 13.74 a
fr St

✓ B18592

13.54 01 St 13.64

✓ B19198

13.54 01 St 13.64

✓ B19196

12.25 l2 St 12.45

✓ B19162

11.93 h2 St 12.13

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 1, 1904.

R.A. Sagittarii cont.

✓ B19080

13.89 fp 2 st 14.09

✓ B17505

12.69 m 2 r 12.89 12.91 = 12.90 01 01
12.91 r 2 m 13.11

✓ B17433

12.25⁻ l 2 r 12.45⁻ 12.59 = 12.52 07 07
12.59 r 1 m 12.69

✓ B17265

Too badly broken to be measured

✓ B17234

11.93 k 2 r 12.13 12.05⁻ = 12.09 04 04
12.05⁻ r 2 l 12.25⁻

✓ B17178

11.93 k 2 r 12.13 12.15⁻ = 12.14 01 01
12.15⁻ r 1 l 12.25⁻

✓ B17087

11.15⁻ g 3 r 11.45⁻ 11.37 = 11.41 04 04
11.37 r 2 h 11.57

✓ B17077

11.57 h 2 r 11.77 11.73 = 11.75⁻ 02 02
11.73 r 2 k 11.93

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 1, 1904.

R Scorpii cont.

✓ B17037 Sp.
diff

✓ L12782
11.15 g I A 11.25

✓ L12781
11.57 h I A 11.67

✓ L12612
Pourpl.

✓ L12611
Pourpl.

✓ L12429
Inner edge of ℓ

✓ L14521
11.93 h I A 12.03

✓ B19062
11.57 h I A 11.67

✓ B18882
11.93 h 2 A 12.13

✓ B17852
Pourpl.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 1, 1904.

R. H. Jacquinot

✓ B14978
11.57 h2 St 11.77

✓ B15607
11.93 k1 St 12.03

✓ B15589
11.15 g2 St 11.35

✓ B15523
10.07 e1 St 10.17

✓ B14749
11.57 h1 St 11.67

✓ B15431
10.67 f1 St 10.77

✓ B15943
11.57 f h1 r k St 11.67 a

✓ B16879
11.57 h2 St 11.77

✓ B16746 Sp.
Tot. nar. edge of fb

✓ B16448
11.15 g2 r 11.35 11.47 = 11.41 06 06
11.47 f h 11.57

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 2, 1904.

R Scorpii cont.

✓ B16393
10.07 e1 A 10.17

✓ B16095
Toomeredge of ph.

✓ B15988
11.57 h1 A 11.67

✓ 14782
Purple.

✓ B18492
13.11 n2 A 13.31

✓ B18489
11.93 k1 A 12.03

✓ B17723
11.15 g2 A 11.35

✓ B17508
11.93 k1 A 12.03

✓ B17433
11.57 h2 A 11.77 11.83 = 11.80 03 03
11.83 a1 k 11.93

✓ B19195
11.93 k1 A 12.03

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 2, 1904.

R Scorpii cont.

✓ B19170
Toomuedgeffle

✓ L18123
Pompl

✓ L13472
Pompl

✓ B14343
11.93 R1 t 12.03

✓ B14542
Toomuedgeffle

✓ B14368 Sp.
Diff

✓ L13070
10.67 f1 t 10.77

✓ L13042
Poa fl.

✓ B15824
11.57 h2 t 11.77

✓ B15703
10.07 e3 t 10.37

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 2, 1904.

R. K. Sporjic cont.

✓ B27496
11.57 hr A 11.67

✓ B27174
13.54 01 r 13.64 a
fn A

✓ B27108
11.15 g e A 11.35

✓ B26019
11.93 k r A 12.03

✓ B28116
13.54 02 r 13.74 a
fn A

✓ B28195
Surface

✓ B28202
Surface

✓ B24920
13.54 01 A 13.64

✓ B05080
12.69 m r A 12.79

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 2, 1904.

R Scorpii cont.

✓ B25261
Pk damaged in neg. of sec.

✓ B25269
Pk damaged in neg. of sec.

✓ B25334
12.69 m 1 A 12.79

✓ B25486
13.89 pr 2 A 14.09

✓ B25516
13.54 o 1 m 13.64 a
pr A

✓ B25788
13.89 pr 3 m 14.19 a
R

✓ B25918
Too near edge of pl.

✓ B27729
Pk. fainted

✓ B27792
Surface

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 2, 1904.

R. A. Scorpii ent.

✓ B27480

12.69 m2A 12.89

✓ B30239

13.89 fpA 13.99

✓ B30359

11.57 h2A 11.77

✓ B31726

Plateau

✓ B21478

13.89 fr2A 14.09

✓ B31431

11.93 k2A 12.13

✓ B31395

13.11 m2r 13.31 13.44 = 13.38 07 06

13.44 r10 13.54

✓ B31377

13.89 fpA 13.99

✓ B31256

Poor pl.

✓ B20578

13.11 m3r 13.41 13.34 = 13.38 03 04

13.34 r20 13.54

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 2, 1904.

R A Sporfii cont.

✓ B30534
11.57 fn/st 11.67

✓ B30511
13.54 01 13.64 13.69 = 13.66 02 03
13.69 02 fn 13.89

✓ B31855
Poor image

✓ B31919
11.93 fn/st 12.03

✓ B32005
13.89 fn/st 13.99

✓ B28253
13.89 fn/st 13.99

✓ B28255
Too near edge of pl.

✓ B28984
13.54 01 st 13.64

✓ B29260
12.25 fn/st 12.35

✓ B29472
12.25 fn/st 12.45

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 2, 1904.

R. A. Thorpe Coast.

✓ B29516

13.11 m1A 13.21

✓ B29813

13.11 m2A 13.31

✓ B29818

Terminal edge of fl.

✓ B30287

12.69 m2A 12.89

✓ B30309

13.11 m1A 13.21

✓ A 1672

11.57 ~~g2r~~ h1r 11.67 11.73 = 11.70 03 03

11.73 ~~h+h~~ r2h 11.93

Pl. badly printed A2645

13.54 02A 13.74

✓ AM 1488

Misch fld

✓ AM 399

Misch.

✓ AM 1165

Probably not released from Grec.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 5, 1904.

R A Sagittæ cont.

✓ AM 761
Too near edge of pl

✓ AM 1035
11.57 h 2 A 11.77

✓ AM 798
11.15 g 1 A 11.25

✓ AC 2616
Poor pl

✓ AC 1728
9.05 c 1 A 9.05

✓ AC 2452
10.07 e 1 A 10.17

✓ AC 2520
11.57 h 1 A 11.67

✓ AC 2577
Poor pl

✓ AC 2582
9.05
~~10.07~~ e 2 A ~~10.27~~ 9.25

✓ AC 2658
9.05 c 2 A 9.25

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 5, 1904.

R. A. Scorpii cont.

✓ AG 2686
9.05 c2 A 9.25

✓ AG 3526
9.05 c2 A 9.25

✓ AG 2538
9.55 d2 A 9.75

✓ AG 3556
Poorpl.

✓ AG 3576
Poorpl.

✓ AG 3650
Poorpl.

✓ AG 3666
9.05 c2 A 9.25

✓ AG 3676
9.55 d1 A 9.65

✓ AG 3682
9.05 c1 A 9.15

✓ AG 3723
9.55 d1 A 9.65

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 5, 1904.

R A Tropici cont.

✓ AC 3777
Pourple

✓ AC ~~1840~~ m 9
10.07 e 2 A 10.27

✓ AM 136
10.67 f 1 A 10.77

✓ AC 283
10.07 e 2 A 10.27

✓ AC 301
9.55 d 1 A 9.65

✓ AC 343
Pourple in pg. Jan.

✓ AC 409
Pourple

✓ AC 756
Pourple

✓ AC 808
10.67 f 1 A 10.77

✓ AC 892
Pour in pg. Jan.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 5 1904.

R.A. Scorpii cont.

✓ AG947
Poor in reg. of nebs.

✓ AG1362
Poor pl.

✓ AG1458
Poor images

✓ AG1500
Poor in reg. of neb.

✓ AG1638
Poor in reg. of neb.

✓ AG1686
Poor in reg. of neb.

✓ AG1715
Poor in reg. of neb.

✓ AM1640
11.57 h 1 ½ 11.67

✓ AM1497
11.57 h 2 ½ 11.77

✓ AM1422
11.57 h 3 ½ 11.87

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 5, 1904

R. A. Scopii cont.

✓ AM 1414
11.57 h 1 A= 11.67

✓ AM 1406
Clouds

✓ AM 1278
11.93 h 1 A= 12.03

✓ AM 1252
11.57 h 1 A= 11.67

✓ AM 1236
11.57 h 2 A= 11.77

✓ AM 1043
11.57 h 1 A= 11.67

✓ AM 1028
11.93 h 1 A= 12.03

✓ AM 1487
Poor image

✓ AM 1543
10.67 f 1 A= 10.77.

✓ AM 1589
10.67 f 2 A= 10.87

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 5, 1904.

R A Sagittæ cont

✓	AM 33		
11.93	h2 A	12.13	
✓	AM 461		
11.57	h1 A	11.67	
✓	AM 538		
11.57	h1 A	11.67	
✓	AM 577		
11.93	h1 A	12.03	
✓	AM 614		
10.07	e1 A	10.17	
✓	AM 802		
11.57	h1 A	11.67	
✓	AM 898		
11.57	h2 A	11.77	
✓	AM 917		
11.57	h2 A	11.77	
✓	AM 934		
	C class C		
✓	AM 956		
	C class C		

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 5, 1904.

R K Sagittæ cont.

✓ AM 907
11.15 g 1 A 11.25

✓ AM 1383
11.93 k 1 A 12.03

✓ AM 1397
11.57 k 2 A 11.77

✓ AM 1498
11.57 k 1 A 11.67

✓ AM 1529
11.57 k 1 A 11.67

✓ AM 15
11.93 k 1 A 12.03

✓ AM 137
11.93 k 1 A 12.03

✓ AM 1171
11.57 k 1 A 11.67

✓ AM 1213
11.57 k 2 A 11.77

✓ AM 1225
11.93 k 1 A 12.03

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj.719B

Jan. 5 1904.

R A Sophiæ cont.

✓ AM 1295
Class C

✓ AM 1333
11.57 h 1 st 11.67

✓ AM 1351
11.57 h 2 st 11.77

✓ AM 1374
11.57 h 1 st 11.67

✓ AM 656
11.93 h 1 st 12.03

✓ AM 833
11.93 h 1 st 12.03

✓ AM 879
12.25 h 1 st 12.35

✓ AM 960
11.93 h 1 st 12.03

✓ AM 988
11.57 h 2 st 11.77

✓ AM 1092
Poor image

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 5, 1904.

R Scorpii cont.

✓ aM 535
11.57 hist 11.77

✓ aM 513
Poor pl

✓ aM 499
Poor pl

✓ aM 475
blank

✓ aM 426
11.57 hist 11.67

✓ aM 411
Poor pl

✓ aM 366
11.57 hist 11.77

✓ aM 225
11.93 hist 12.03

✓ aM 124
Poor image

✓ aM 73
11.57 hist 11.67

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 5 1904.

R.A. Sporfic cont.

✓ AM80
11.57 h 2 A 11.77

✓ AM1703
Poorfc

✓ AM1510
10.07 e 2 A 10.27

✓ AM1952
11.57 h 2 A 11.77

✓ AM1175
10.07 e 1 A 10.17

✓ AM1309
Class C

✓ AM1325
10.67 f 1 A 10.77

✓ AM1350
11.57 h 1 A 11.67

✓ AM1381
11.15 g 1 A 11.25

✓ AM1396
11.57 h 1 A 11.67

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 5, 1904.

R. A. Sophie cont.

✓ AM 67
Pk. trailed

✓ AM 1925-
11.93 f 1 St 12.03

✓ AM 956
Pk. trailed

✓ AM 853-
Pk. trailed

✓ AM 841
10.67 f 1 St 10.77

✓ AM 987
11.15- g 1 St 11.20-

✓ AM 945-
11.93 k 1 St 12.03

✓ AM 1334
11.57 h 1 St 11.67

✓ AM 1242
11.10- g 2 St 11.30-

✓ AM 1246
Class C

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 5 1904.

R A Sophie cont.

✓ AM 1276
11.57 h 1 St 11.67

✓ AM 1299
Class e

✓ AM 1452
11.57 h 1 St 11.67

✓ AM 1482
11.57 h 2 St 11.77

✓ AM 1524
11.93 h 1 St 12.03

✓ AM 1950
11.57 h 1 St 11.67

✓ AM 180
10.07 e 1 St 10.17

✓ AM 394
11.15 g 1 St 11.25

✓ AM 453
11.57 h 1 St 11.67

✓ AM 474
Class e

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 5, 1904.

R Sc Scorpii cont.

✓ AM523
9.05 p3 A 9.05

✓ AM643
11.93 p2 A 12.13

✓ AM643
10.67 f1 A 10.77

✓ AM784
Toomuch of fl.

✓ AM799
11.57 h1 A 11.67

✓ AM807
11.93 k1 A 12.03

✓ AM849
10.67 f3 A 10.97

✓ AM904
11.57 h1 A 11.67

✓ AM906
10.07 e2 A 10.27

✓ B17236
11.93 ~~k2 1~~ 12.03 12.15 = 06 06 12.09
12.15 ~~2 1~~ 12.25

✓ D17432
Purple

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 13, 1904

β Ophiuchi

17h 14m.5 +1° 37' (1900)

Comp. stars on B10216 and AG 236.

✓ B19772

10.84 h 2 f 11.04

✓ l 15308

10.84 h 3 o 11.14 11.22 = 11.18 04 04

11.22 o 1 l 11.32

✓ B13400 Sp.

9.28 e 2 o 9.48 9.70 = 9.59 11 11

9.70 o 2 f 9.90

✓ l 27183

11.70 l 3 o 12.00 11.86 = 11.93 07 07

11.86 o 2 m 12.06

✓ B21990

12.46 m 1 f 12.56

✓ B20620

10.84 h 3 o 11.14

b f

✓ ~~D 15663~~ B13498

9.90 f 3 o 10.20 10.20 = 10.20 00 00

10.20 o 2 g 10.40 "

✓ B14080

10.84 h 1 o 10.94 11.02 = 10.98 04 04

11.02 o 3 l 11.32

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 13, 1904.

δ Ophiuchi

✓ B 14169 Sp.

10.40 g 1 A 10.50

✓ B 14180 Sp.

10.40 g 1 A 10.50

✓ B 14385 Sp.

10.84 h 1 A 10.94

✓ B 15821

10.40 g 3 A 10.70

✓ B 16027

10.40 g 1 r 10.50 10.64 = 10.57 07 07

10.64 r 2 h 10.84

✓ B 16444

10.84 h 3 r 11.14 11.12 = 11.13 01 01

11.12 r 2 h 11.32

✓ B 16541

Poor image. Poor in rg. of sun.

✓ B $\frac{6}{15-5-63}$

11.32 h 3 r 11.62 11.50 = 11.56 06 06

11.50 r 2 h 11.70

✓ B 17362

11.70 h 1 A 11.80

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 13, 1904.

J Ophiuchi

✓ B17437

12.46 n 3 A = 12.76

✓ B19167

10.40 g 3 r 10.70 10.54 = 10.62 08 08

10.54 r 3 h 10.84

✓ B19182

10.40 g 3 r 10.70 10.54 = 10.62 08 08

10.54 r 3 h 10.84

✓ B19377

Toomuch edge off h

✓ B19480

10.84 h 3 r 11.14 11.12 = 11.13 01 01

11.12 r 2 k 11.32

✓ B19722

11.32 k 2 r 11.52 11.60 = 11,56 04 04

11.60 r 1 l 11.70

✓ B6702

10.40 g 2 r 10.60 10.64 = 10.62 02 02

10.64 r 2 h 10.84

✓

Toomuch edge off B9394

8.68 a 3 r 8.98 a =

c A =

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 13, 1904.

3 Aphinahi

✓ B9586 Sh.
Poor in reg. of ran.

✓ B10217 lw21k 11.22 09 09
10.40 g2r 10.60 10.74 = 10.67 07 07
10.74 r1k 10.84

✓ B10218
Poor fl.

✓ B11032
Poor fl.

✓ B11033
8.68 d3r 8.98 8.98 = 8.98 .00 .00
8.98 r3l 9.28

✓ B11203
8.68 d2r 8.88 9.08 = 8.98 10 10 e2 1f 9.64 16 16
9.08 r2l 9.28

✓ Near edge of fl. B11315 Sh.
9.28 e1r 9.38 a
f sh.

✓ B11754 Sh.
10.84 k1r 10.94 a
k sh.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 13, 1904.

3 Ophiuchi

✓ B13989.

10.84 h2r 11.04 11.12 = 11.08 04 04
11.12 o2k 11.32

✓ B13985

10.84 h1r 10.94 11.12 = 11.03 09 09
11.12 o2k 11.32

✓ B1474 Sp.
Poor pb

✓ B1373 Sp.
Poor in nig. from

✓ B1324 Sp.
Poor pb

✓ B1518 Sp.
Poor pb

✓ B1565 Sp.
Poor pb

✓ B2654

11.70 l1r 11.80 11.86 = 11.83 03 03
11.86 o2m 12.06

✓ B2773
Poor pb

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 13, 1904.

δ Ophiuchi

✓ B28576

10.40 g2r 10.60 10.54 = 10.57 03 03
10.54 r3k 10.84

✓ B28649

9.28 e2r 9.48 9.80 = 9.64 16 16
9.80 r1f 9.90

✓ B28728

9.28 e2r 9.48 9.80 = 9.64 16 16
9.80 r1f 9.90

✓ B29479

11.32 k3r 11.62 11.60 = 11.61 01 01
11.60 r1l 11.70

✓ B29519

11.32 k2r 11.52 11.60 = 11.56 04 04
11.60 r1l 11.70

✓ B29702

11.70 l1r 11.80 11.86 = 11.83 03 03
11.86 r2m 12.06

✓ B28359

10.84 h2r 11.14 11.12 = 11.13 01 01
11.12 r2k 11.32

✓ B28152

11.70 l1r 11.80 11.76 = 11.78 02 02
11.76 r3m 12.06

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 13, 1904.

9 Ophiuchi

✓ B26231

11.32 k1 f 11.42

✓ B26340

11.32 k2r 11.52 11.60 = 11.56 04 04

11.60 r1k 11.70

✓ B26382

10.40 g3f 10.70

✓ B27111

10.40 g3r 10.70 10.54 = 10.62 08 08

10.54 r3k 10.84

✓ B27435

11.32 k1r 11.42 11.50 = 11.46 04 04

11.50 r2k 11.70

✓ B27490

11.32 k2r 11.52 11.60 = 11.56 04 04

11.60 r1k 11.70

✓ B21061

8.68 d2r 8.88 9.18 = 9.03 15 15 e1 2f 9.54 16 16

9.18 r1d 9.28

✓ B20421

11.70 d2f 11.90

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 13, 1904.

3 Ophiuchi

✓ B2035-3

12.46 m 2σ 12.66 a

R

✓ B22698

10.40 g 3σ 10.70 10.74 = 10.72 02 02

10.74 σ 1 h 10.84

✓ B22732

10.40 g 3σ 10.70 10.64 = 10.67 03 03

10.64 σ 2 h 10.84

✓ B23100

11.32 f 3σ 11.62 11.50 = 11.56 06 06

11.50 σ 2 l 11.70

✓ B29705

11.70 l 2σ 11.90 11.86 = 11.88 02 02

11.86 σ 2 m 12.06

✓ B29817

12.06 m 2σ 12.26 12.26 = 12.26 00 00

12.26 σ 2 m 12.46

✓ B29821

11.70 l 3σ 12.00 11.86 = 11.93 07 07

11.86 σ 2 m 12.06

✓ B2998

Surface

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 13 1904.

9 Ophiuchi

✓ B30038

11.70 list 11.80

✓ B30481

12.46 m3r 12.76 a

R

01 R 1296 a.

✓ B30583

10.84 h3r 11.14 11.12 = 11.13 01 01

11.12 r2h 11.32

✓ B30584

11.32 h2r 11.52 11.60 = 11.56 04 04

11.60 r1h 11.70

✓ B31475

11.70 h1r 11.80 11.76 = 11.78 02 02

11.76 r3m 12.06

✓ B31730

12.06 m2r 12.26 12.26 = 12.26 ~~00~~ ~~00~~

12.26 r2m 12.46

✓ B31916

12.46 m1r 12.56 a

R

✓ B31947

12.06 m1 list 12.16

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 13, 1904.

7 Ophiuchi

✓ B23666

12.06 m 2 r 12.26 12.26 = 12.26 00 00

12.26 r 2 m 12.46

✓ B25745

12.46 m 2 r 12.66 a

R

✓ B25911

12.06 m 1 r 12.16 12.36 = 12.26 10 10

12.36 r 1 m 12.46

✓ B25914

12.06 m 2 r 12.26 12.16 = 12.21 05 05

12.16 r 3 m 12.46

✓ B27967

11.70 l 3 r 12.00 11.76 = 11.88 12 12

11.76 r 3 m 12.06

✓ B27612

11.32 p 2 r 11.52 11.40 = 11.46 06 06

11.40 r 3 l 11.70

✓ B28655

12.46 m 2 r 12.66 a

R

✓ B29695

10.84 h 3 f 11.1

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 13, 1904.

J. Aphrinki

✓ B24003
11.70 l 2 f 11.90

✓ B25076
10.40 g 3 σ 10.70 10.64 = 10.67 03 03
10.64 σ 2 h 10.84

✓ B25266
Damaged in reg. of ras.

✓ B25340
10.84 h 3 σ 11.14 11.12 = 11.13 01 01
11.12 σ 2 k 11.32

✓ B23165
Too much edge of plate

✓ B23202
11.70 l 3 σ 12.00 11.86 = 11.93 07 07
11.86 σ 2 m 12.06

✓ B23279
11.70 l 3 σ 12.00 11.96 = 11.98 02 02
11.96 σ 1 m 12.06

✓ B23411
12.06 m 1 f 12.16

✓ B23615
11.32 k 2 f 11.52

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 13, 1904.

7 Ophiuchi

✓ B21941

11.32 k1h 11.42

✓ B21513

10.84 h3r 11.14 11.12=11.13 01 01

11.12 r2k 11.32

✓ B21148

9.90 f1r 10.00 10.10=10.05 05 05

10.10 r3g 10.40

✓ l25529

12.06 m1h 12.16

✓ l25693

11.70 l2r 11.90 11.86=11.88 02 02

11.86 r2m 12.06

✓ l25706

11.70 l2h 11.90

✓ l27456

10.40 g3r 10.70 10.54=10.62 08 08

10.54 r3h 10.84

✓ l27275

11.32 k2r 11.52 11.50=11.51 01 01

11.50 r2l 11.70

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 14, 1904.

ζ Ophiuchi

✓ l27179

11.32 k2r 11.52 11.50 = 11.51 01 01
11.50 r2l 11.70

✓ l27042
Tornaedge of pl.

✓ l26627

9.28 e3r 9.58 9.70 = 9.64 06 06
9.70 r2f 9.90

✓ l28663

11.32 k3r 11.62 11.50 = 11.56 06 06
11.50 r2l 11.70

✓ l28676

11.32 k2r 11.52 11.40 = 11.46 06 06
11.40 r3l 11.70

✓ l29462

9.28 l2r 9.48 9.60 = 9.54 06 06
9.60 r3f 9.90

✓ l18451

12.06 m1 A 12.16

✓ l20790

10.84 h1r 10.94 11.02 = 10.98 04 04
11.02 r3k 11.32

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 14, 1904.

3 Ophiuchi cont.

✓ l21083
Too near edge of pl.

✓ l21040
11.70 l 1r 11.80 a
m st

✓ l21014
Pl trailed

✓ l20922
11.32 k 2r 11.62 11.60 = 11.61 01 01
11.60 r 1l 11.70

✓ l2d294
11.32 k 3r 11.62 11.50 = 11.56 06 06
11.50 r 2l 11.70

✓ l21276
11.70 l 4r 12.10 11.86 = 11.98 12 12
11.86 r 2m 12.06

✓ l22983 Sp.
Poor pl. in neg. focus

✓ l23006
11.32 k 1r 11.42 11.40 = 11.41 01 01
11.40 r 3l 11.70

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 14, 1904.

δ Ophiuchi

✓ l 22261
Toomuch edge of pl.

✓ l 23287
12.06 m 2 σ 12.26 12.36 = 12.31 05 05
12.36 σ 1 m 12.46

✓ l 23288
Too much edge of pl.

✓ l 25474
Poor im. rig. form.

✓
Defective rig. form l 18728
11.70 l 4 σ 12.10 a =
m ?

✓ l 18678
12.06 m 3 σ 12.36 12.26 = 12.31 05 05
12.26 σ 2 m 12.46

✓ l 18418
12.06 m 2 σ 12.36 12.16 = 12.26 10 10
12.16 σ 3 m 12.46

✓ l 18297 (24)
11.32 2 σ r 11.52 11.50 = 11.51 01 01
11.50 σ 2 l 11.70

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 14, 1903.

9 Ophiuchi

✓ l 18220 ✓

10.84 h 3 r 11.14 11.12 = 11.13 01 01
11.12 r 2 h 11.32

✓ l 18107

10.40 g 2 r 10.60 10.54 = 10.57 03 03
10.54 r 3 h 10.84

✓ l 18049

9.90 f 3 r 10.20 10.10 = 10.15 05 05
10.10 r 3 g 10.40

✓ l 17839
Purple

✓ l 17372

8.68 d 2 r 8.88 8.98 = 8.93 05 05
8.98 r 3 e 9.28

✓ l 19189
Purple

✓ l 20025
Purple

✓ l 20181

8.68 d 1 r 8.78 8.98 = 8.88 10 10
8.98 r 3 e 9.28

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 14 1903.

Delphinki

✓ l20306 Sp.

9.28 l2σ 9.48 9.60 = 9.54 06 06
9.60 σ3f 9.90

✓ l20388

9.28 l2σ 9.48 9.60 = 9.54 06 06
9.60 σ3f 9.90

✓ l20656

9.28 l3σ 9.58 9.70 = 9.64 06 06
9.70 σ2f 9.90

✓ l15393

Poorly

✓ l15395

11.32 l3σ 11.62 11.40 = 11.51 11 11
11.40 σ3l 11.70

✓ l15487

11.70 l3σ 12.00 11.86 = 11.93 07 07
11.86 σ2m 12.06

✓ l15724

12.06 m2σ 12.26 a

nA

✓ l15991

12.46 m3σ 12.76 a

R

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 14, 1904.

ζ Ophiuchi

✓ l 16187
Ponthi

✓ l 17076
9.28 l 3r 9.58 9.70 = 9.64 06 06
9.70 r 2f 9.90

✓ l 17358
9.28 l 2r 9.48 9.70 = 9.59 11 11
9.70 r 2f 9.90

✓ l 14351
8.68 d 2r 8.88 9.18 = 9.03 15 15
9.18 r 1l 9.28

✓ l 14519
8.68 d 2r 8.88 9.18 = 9.03 15 15
9.18 r 1l 9.28

✓ l 14709
9.28 l 1r 9.38 9.70 = 9.54 16 16
9.70 r 2f 9.90

✓ l 14979
9.90 f 3r 10.20 10.20 = 10.20 00 00
10.20 r 2g 10.40

✓ l 15180
10.40 g 3r 10.70 10.64 = 10.67 03 03
10.64 r 2h 10.84

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 14, 1904.

δ Ophiuchi

✓ Q 13418

12.06 m 2σ 12.26 12.26 = 12.26 00 00
12.26 σ 2m 12.46

✓ Q 13298

12.06 m 3σ 12.36 12.26 = 12.31 05 05
12.26 σ 2m 12.46

✓ Q 13228

11.70 l 3σ 12.00 11.76 = 11.88 12 12
11.76 σ 3m 12.06

✓ Q 13128

Poor pl.

✓ Q 13127

Poor image of star.

✓ Q 11034

8.68 d 3σ 8.98 8.98 = 8.98 00 00
8.98 σ 3 e 9.28

✓ Q 11000

Poor images

✓ Q 9139

9.90 f 3σ 10.20 10.30 = 10.25 05 05
10.30 e 1g 10.40

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 14, 1904.

Ophiuchi cont

✓ D 8699

9.28 d3r 9.58 9.70 = 9.64 06 06
9.70 r2f 9.90

✓ D 12958

10.40 g2r 10.60 10.64 = 10.62 02 02
10.64 r2h 10.84

✓

Pouch D 13002

10.40 g2r 10.60 10.64 = 10.62 02 02
10.64 r2h 10.84

✓ D 13043

10.40 g3r 10.70 10.64 = 10.67 03 03
10.64 r2h 10.84

✓ D 13473

Pouch

✓ D 12798

Pouch

✓ D 12779

9.28 d2r 9.48 9.80 = 9.64 16 16
9.80 r1f 9.90

✓ D 12673

8.68 d2r 8.88 9.18 = 9.03 15 15
9.18 r1h 9.28

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 14, 1904.

3 Ophiuchi cont.

✓ Q 12613

9.28 e 3 o 9.58 9.70 = 9.64 06 06
9.70 o 2 f 9.90

✓ Q 12430

9.28 e 2 o 9.48 9.80 = 9.64 16 16
9.80 o 1 f 9.90

✓ Q 11346

11.32 e 3 o 11.62 11.50 = 11.56 06 06
11.50 o 2 e 11.70

✓ Q 11210

9.28 e 2 o 9.48 9.80 = 9.64 16 16
9.80 o 1 f 9.90

✓ Q 11142

9.28 e 2 o 9.48 9.70 = 9.59 11 11
9.70 o 2 f 9.90

✓ Q 11124

9.28 e 2 o 9.48 9.60 = 9.54 06 06
9.60 o 3 f 9.90

✓ Q 55518

11.32 e 2 o 11.52 11.60 = 11.56 04 04
11.60 o 1 e 11.70

✓ Q 55187

10.84 e 3 o 11.14 11.02 = 11.08 06 06
11.02 o 3 f 11.32

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 14, 1904.

β Ophiuchi cont.

✓ A 3772

12.46 n 2r 12.66 a
R

✓ A 4477
Cut of fours.

✓ B 20481

12.86 0 1 r ~~x 2 96~~ a
R

✓ B 23655

12.86 0 1 r 12.96 a
R

✓ B 31916

12.46 n 1 r 12.56 12.66 = 12.61 0 5 – 0 5 –
12.66 0 2 0 12.86

✓ B 25745

12.46 n 2 r 12.66 12.76 = 12.71 0 5 – 0 5 –
12.76 0 1 0 12.86

✓ B 20353

12.86 0 1 r 12.96 a
R

✓ C 15991

12.46 n 1 r 12.56 a
0 R

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 15, 1904.

g Ophiuchi cont.

✓ AC 236

9.28 e 2 r 9.48 9.70 = 9.59 11 11
9.70 r 2 f 9.90

✓ AC 734

9.28 e 4 r 9.68 9.70 = 9.69 01 01
9.70 r 2 f 9.90

✓ AC 2473

10.84 h 3 r 11.14 a
h 4

✓ AC 3977

9.28 e 3 r 9.58 9.70 = 9.64 06 06
9.70 r 2 f 9.90

✓ AC 1362

10.40 g 1 r 10.50 10.54 = 10.52 02 02
10.54 r 3 h 10.84

✓ AC 784

9.90 f 3 r 10.20 10.10 = 10.16 05 05
10.10 r 3 g 10.40

✓ AC 283

10.40 g 2 r 10.60 10.74 = 10.67 07 07
10.74 r 1 h 10.84

✓ AC 301

9.90 f 2 r 10.10 10.10 = 10.10 00 00 g 2 1 h 10.67 07 07
10.10 r 3 g 10.40

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan 15, 1904.

g Ophiuchi cont

✓ ab 343

10.84 h l R 10.94

✓ ab 409

Poor pl

✓ ab 756

Poor pl

✓ ab 808

10.40 g 2R 10.60 10.64 = 10.62 02 02

10.64 b 2h 10.84

✓ ab 892

Poor pl

✓ ab 947

10.84 h l R 10.94

✓ ab 1363

Poor pl

✓ ab 2467

Poor pl

✓ ab 2552

Poor pl

✓ ab 3623 3630

10.84 h l r 10.94 a

k k

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 15, 1904.

63 Ophiuchi, cont.

✓ ab 3777
Pourpl

✓ ab 325-
Pourpl

✓ ab 361
Pourpl

✓ ab 910
Pourpl

✓ ab 1325-
Pourpl

✓ ab 1390
Pourpl

✓ ab ~~3 45~~ 7 / ~~2 16~~
~~Pur~~ Clusle

✓ ab ~~348~~ 25-76

10.40 gl F 10.50

✓ ab 3650

9.90 fl F 10.0

✓ ab 2666

11.32 bl F 11.42

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 15, 1904

Ophiuchi cont.

✓ AB 3676

10.40 g 1 ℞ 10.50

✓ AB 3682

10.40 g 2 r h ℞ 10.60 a

✓ AB 2658

10,40 g 3 ℞ 10.7

✓ AB 2686

10.84 h 2 ℞ 11.0

✓ AB 3526

10,84 h 3 r h ℞ 11.14 a

✓ AB 3538

10.84 h 2 ℞ 11.04

✓ AB 3556

Poor pl.

✓ AB 1728

9.90 f 1 ℞ 10.0

✓ AB 3452

9.90 f e r 10.10 10.20=10.15 05 05 g 2, 1 h 10.67 07.07

10.20 e 2 g 10.40

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1900phae.proj.7198

Jan. 13, 1904.

9 Ophiuchi cont.

✓ AC 2520
10.84 h 2 ⁼ 11.04

✓ AC 2577
9.90 f 2 ⁼ 10.10

✓ AC 2582
10.84 h 2 ⁼ 11.04

✓ AC 2616
Pourple

✓ AC 2483
Pourple

✓ AC 1458
10.84 h 2 ⁼ 11.04

✓ AC 1500
10.84 h 1 ⁼ 10.94

✓ AC 1658
10.84 h 1 ⁼ 10.94

✓ AC 1686
10.40 g 2 ⁼ 10.60

✓ AC 1715
9.28 e 2 ⁼ 9.48

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 15, 1904.

2 Ophiuchi cont.

✓ AC 1398
Poor ph

✓ AC 1584
Poor ph

✓ AC 1621
Poor ph

✓ AC 1624
Poor ph

✓ AC 1632
Poor ph

✓ AC 876
Poor ph

✓ AC 903
Poor ph

✓ AC 942
Poor ph

✓ AC 1479
Poor ph

✓ AC 3717
Poor ph

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1902phae.proj..719B

Jan. 15, 1904.

9 Ophiuchi cont.

✓ AB 410
Poor in mg. & ran

✓ AB 1469
10.84 h₂ A₂ 11.04

✓ AB 1474
Poor in mg. & ran.

✓ AB 1574
Rough

✓ AB 1576
10.84 h₁ A₂ 10.94

✓ AB 1626
Poor in mg. & ran.

✓ AB 1651
Poor in mg. & ran

✓ AB 1665
10.40 g₁ A₂ 10.50

✓ AB 1683
9.90 f₁ A₂ 10.0

✓ AB 1716
9.90 f₁ A₂ 10.0

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 15, 1904.

9 Ophiuchi cont.

✓ Ab 1788

9.90 f 3 r 10.20 10.20 = 10.20 00 00
10.20 b 2 g 10.40

✓ Ab 1853

9.28 e 3 r 9.58 9.70 = 9.64 06 06
9.70 r 2 f 9.90

✓ Ab 1868

9.28 e 3 r 9.58 9.60 = 9.59 01 01
9.60 r 3 f 9.90

✓ Ab 2424

10.40 g 2 r 10.60 10.64 = 10.62 02 02
10.64 b 2 h 10.84

✓ Ab 2543

9.28 e 1 A 9.38

✓ Ab 2588

10.40 g 1 A 10.50

✓ Ab 2622

11.32 b 2 A 11.52

✓ Ab 2672

9.90 f 2 A 10.10

✓ Ab 2728

10.40 g 2 A 10.60

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 15, 1904.

3 Ophiuchi cont.

✓ AG 2769
10.40 g 1 A 10.50

✓ AG 2836
10.84 h 2 A 11.04

✓ AG 2842
9.90 f 1 A 10.00

✓ AG 3358
10.40 g 2 B 10.60. 10.64 = 10.62 02 02
10.64 B 2 h 10.84

✓ AG 3405 –
Usilen

✓ AG 3578
10.84 h 1 A 10.94

✓ AG 3593 –
10.84 h 2 A 11.04

✓ AG 3569
10.40 g 1 A 10.50

✓ AG 3583
11.32 k 1 A 11.42

✓ AG 3677
11.32 k 2 A 11.52

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 15, 1904.

g Aphinihi cont.

✓ AG 3791
10.84 h 2 A 11.04

✓ AG 3817
10.84 h 2 A 11.04

✓ AG 3842
9.90 f 2 A 10.10

✓ AG 3860
9.28 e 1 A 9.38

✓ AG 3964
Pouring. foam

✓ AG 4014
9.28 e 1 o 9.38 9.60 = 9.49 11 11
9.60 o 2 f 9.90

✓ AG 335
Blank

✓ AG 738
9.28 e 3 o 9.58 9.60 - 9.59 01 01
9.60 o 2 f 9.90

✓ AG 788
10.84 h 1 A 10.94

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 15, 1904

g Ophiuchi cont.

✓ AB816

9.28 e 2 ½ 9.48

✓ AB834

10.40 g 2 ½ 10.60 10.74 = 10.67 07 07
10.74 e 1 h 10.84

✓ AB904

Poor in rig. fogs.

✓ AB1250

9.28 e 3 ½ 9.58 9.70 = 9.64 06 06
9.70 e 2 f 9.90

✓ AB1675

10.40 g 1 ½ 10.50

✓ AB1730 h 1 ½

10.84 ~~Poor in rig. fogs~~ 10.94

✓ AB2580

Poor in rigs

✓ AB1749

10.40 g 2 ½ 10.60

✓ AB1781

Poor in rig. fogs

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 15, 1904.

γ Ophiuchi cont.

✓ AC 1821

9.28 e3 r 9.0-8 a

f diffuse?

✓ AC 1859

9.28 e2r 9.48 9.80: 9.64 16 16

9.80 a1f 9.90

✓ AC 2553

11.32 k3 $\frac{1}{2}$ 11.62

✓ AC 2625

Pomfle

✓ AC 2673

10.40 g2 $\frac{1}{2}$ 10.60

✓ AC 2771

10.40 g2 $\frac{1}{2}$ 10.60

✓ AC 360

Poor image

✓ AC 780

9.90 f1 $\frac{1}{2}$ 10.00

✓ AC 843

10.84 h2 $\frac{1}{2}$ 11.04

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 15, 1904.

9 Ophiuchi cont

✓ AB 853
11.32 k2 l2 11.42

✓ AB 929
Poor image

✓ AB 1019
Poor im reg. of rec.

✓ AB 1461
11.32 k2 r 11.52 a
l2

✓ AB 1511
11.32 k2 l2 11.42

✓ AB 1517
Poor image

✓ AB 1518
Poor image

✓ AB 358
Poor image

✓ AB 864
Also G

✓ AB 867
10.40 g2 l2 10.60

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 15, 1904.

g Aphinchi cont.

✓ AG 1486
Pl. trailer

✓ AG 296
10.40 g 2r 10.60 10.64 = 10.62 02 02
10.64 h 2 h 10.84

✓ AG 3657
Poor in reg. of run

✓ AG 3693
10.84 h 2 f 11.04

✓ AG 3725
Poor in reg. of run

✓ AG 2787
10.40 g 2 f 10.60

✓ AG 3812
10.84 h 2 f 11.04

✓ AG 3859
10.40 g 2 f 10.60

✓ AG 3899
10.84 h 1 f 10.94

✓ AG 4083
8.68 d 2r 8.88 9.08 = 8.98 10 10
9.08 r 2 d 9.28

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 15, 1904

3 Ophiuchi cont.

✓ AG 3503
Poor pb

✓ AG 3599
9.90 f 2 ft 10.10

✓ AG 3798
10.84 h 1 ft 10.94

✓ AG 2815
9.28 e 3 v 9.08 9.80 = 9.69 11 11 h 2 R 11.0 .. ..
9.80 v 1 f 9.90

✓ AM 402
Missed pb

✓ AM 1574
Poor pb

✓ AM 1454
Poor pb

✓ AM 797
10.84 h 1 ft 10.94

✓ AM 480
Class C

✓ AM 761
Poor pb

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

June 16, 1904

~~e~~ 351 Ophiuchi cont.

✓ AM 1588
Badly determ late ~~cent~~ merged.

✓ AC 2798 ~~1693~~
Ponsfl

✓ AM 858
Class e

✓ AM 564
9.90 f 2 E 10.10

✓ AM 965
10.84 h 1 E 10.94

✓ AM 860
10.84 h 2 E 11.04

✓ AM 1311
10.40 g 2 E 10.60

✓ AM 1219
11.32 k 1 E 11.42

✓ AM 1953
11.32 k 2 E 11.52

✓ AM 1448
10.84 k 2 E 11.04

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 16, 1904.

Oph cont.

✓		AM 1483	
10.84	h1		10.94
✓		AM 1542	
10.40	g2		10.60
✓		AM 1546	
10.84	h1		10.94
✓		AM 1553	
10.84	h1		10.94
✓		AM 622	
11.32	k2		11.52
✓		AM 598	
10.40	g1		10.50
✓		AM 537	
11.32	k1		11.42
✓		AM 1436	
10.84	h1		10.94
✓		AM 576	
11.32	k2		11.52
✓		AM 1309	
	Class C		

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 16, 1904

g Aphuichi cont.

✓ AM 1350
10.84 h 2 A 11.04

✓ AM 1325
10.40 g 1 A 10.50

✓ AM 1381
10.84 h 2 A 11.04

✓ AM 1396
10.84 h 1 A 10.94

✓ AM 1510
10.84 h 1 A 10.94

✓ AM 1193
Poor image

✓ AM 921
Class E

✓ AM 931
Poor image

✓ AM 1021
10.84 h 1 A 10.94

✓ AM 1054
10.84 h 1 A 10.94

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 16 1904

δ Ophiuchi cont.

	√	AM 1237	
11.32		h 1 A_2	11.42
	√	AM 1251	
10.84		h 1 A_2	10.94
	√	AM 1270	
11.32		h 2 A_2	11.52
	√	AM 1289	
11.32		h 2 A_2	11.52
	√	AM 1424	
10.84		h 2 A_2	11.04
	√	AM 800	
10.84		h 1 A_2	10.94
	√		
For dyestuffs		AM 818	
11.70		C 1 A_2	11.80
	√	AM 897	
10.84		h 2 A_2	11.04
	√	AM 911	
		Class C	
	√	AM 916	
		Class C	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 16, 1904.

3 Aphinshi cont.

✓ AM 920
Glass

✓ AM 10
10.40 g 2 S 10.60

✓ AM 28
10.84 h 1 S 10.94

✓ AM 153
Poor images

✓ AM 403
10.40 g 2 S 10.60

✓ AM 473
11.32 h 1 S 11.42

✓ AM 556
10.40 g 1 S 10.50

✓ AM 1943
10.84 h 2 S 11.04

✓ AM ~~930~~ 896
12.06 m 1 S 12.16

✓ AM 842
11.70 h 2 or m S 12.00 a

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 16, 1904.

δ Ophiuchi cont.

✓ AM987
10.40 g2 ∧ 10.60

✓ AM1170
9.90 f1 ∧ 10.00

✓ AM432
9.90 f1 ∧ 10.00

✓ AM472
10.84 h1 ∧ 1094

✓ AM508
9.90 f1 ∧ 10.00

✓ AM 1382 ~~788~~
11.70 l1 ∧ 11.80

✓ AM1390
10.84 h1 ∧ 10.94

✓ AM 1402
Class C

✓ AM1502
11.32 k1 ∧ 11.42

✓ AM 97
Possibly

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 16, 1904.

J Ophiuchi cont

✓ AM 44
10.40 g 3 f 10.70

✓ AM 101
11.32 k 1 f 11.42

✓ AM 120
10.84 h 1 f 10.94

✓ AM 211
10.84 h 1 f 10.94

✓ AM 1009
10.84 h 2 r 11.04 11.12 = 11.08 04 04
11.12 r 2 k 11.82

✓ AM 1179
10.40 g 1 f 10.50

✓ AM 1192
Poor images

✓ AM 1209
10.84 h 3 r 11.14
k f

~~AM 1951~~

✓ AM 61
Poor image

✓ Bg 572 Sp.
9.28 e 1 r 9.38 9.70 = 9.54 16 16
9.70 r 2 f 9.90

✓ Bg 845
9.28 e 2 r 9.48 9.70 = 9.59 11 11
9.70 r 2 f 9.90

a ✓ B 10216
10.84 h 2 r 11.04 11.12 = 11.08 04 04
11.12 r 2 k 11.82

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 16, 1904

g Aphinici cont.

✓ AM92
10.40 g 2 A 10.60

✓ AM115
9.90 f 2 A 10.10

✓ AM232
10.40 g 1 A 10.50

✓ AM420
10.40 g 2 A 10.60

✓ AM439
Poorimage

✓ AM505
9.28 e 2 A 9.48

✓ AM546
10.84 h 1 A 10.94

✓ AM841
11.70 e 1 A 11.80

✓ AM855
11.70 e 1 A 11.80

✓ AM956
Poorimage

✓ l 8629
9.28 e 1 r 9.38 9.70 = 9.54 16
9.70 r 2 f 9.90

✓ l 8664
9.28 e 2 r 9.48 9.70 = 9.59 11 11
9.70 r 2 f 9.90

✓ l 8808
9.28 e 3 r 9.58 9.70 = 9.64 06 06
9.70 r 2 f 9.90

✓ l 9154
10.40 g 2 r 10.60 10.54 + 10.17 03 03
10.54 r 3 h 10.84

✓ l 8922
9.28 e 3 r 9.58 9.80 - 9.69 09 11 11
9.80 r 1 f 9.90

✓ l 8947
9.90 f 2 r 10.10 10.10 = 10.10 00 00
10.10 r 3 g 10.40

✓ l 9548
10.40 g 2 r 10.60 10.64 = 10.62 02 02
10.64 r 2 h 10.84

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 29 1904.

S Scorpii New Variable C.D.M. −43°11672
17h 16m.3 −43° 42′ (1875)
Comp. plates on B2851

✓ B2851

9.70 d 1 r 9.80 9.95 = 9.88 08 07
9.95 r 2 e 10.15

✓ B17078

9.70 d 1 r 9.80 9.85 = 9.82 02 03
9.85 r 3 e 10.15

✓ B19685
Pl. stained in reg. of var.

✓ B19720

11.51 m 2 r 11.71 11.51 = 11.61 10 10
11.51 r 2 m 11.71

✓ B19907 Sp.

10.15 e 1 A 10.25

✓ B19826 Sp.
Too near edge of pl.

✓ B19927 Sp.

9.70 d 1 A 9.80

✓ B19934 Sp.

10.15 e 1 A 10.25

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj.719B

Jan. 20, 1904.

DM 43° 11672 cont.

✓ B24007

11.79 03 r 12.09 11.94 = 12.02 07 08
11.94 r 1 f. 12.04

✓ B23478

9.70 d 3 r 10.00 9.95 = 9.98 02 03
9.95 r 2 d 10.15

✓ B23214

9.42 d 3 r 9.72 9.50 = 9.61 11 11
9.50 r 2 d 9.70

✓ B23169

9.42 d 3 r 9.72 9.50 = 9.61 11 11
9.50 r 2 d 9.70

✓ B23032 Sp

9.20 f 1 r 9.30 9.32 = 9.31 01 01
9.32 r 1 d 9.42

✓ Armagh B23003

9.70 d 2 r 9.90 9.95 = 9.92 02 03
9.95 r 2 d 10.15

✓ B22507

Tornado edge ff 6

✓ B22476

12.54 12.74

✓ B5393

12.31 q 1 r 12.41

✓ B23876

11.71 m 1 r 11.81

✓ B25270

11.79 03 r 12.09 11.94 = 12.02 07 08
11.94 r 1 f 12.04

✓ B17366

d 23 9.98 9.92 9.98
10.15 d 1 r 10.25 10.25 =
10.25 r 1 f 10.35 10.25

✓ B4941 Sp.

Pennington

Diff in diff

Pairs

1903phae.proj..719B

Jan. 29, 1904.

Q DM -43° 11672 cont.

✓ B22019

9.70 d 2r 9.90 9.95⁻ = 9.92 02 03
9.95 r 2 d 10.15⁻

✓ B21928

Too near edge of pl.

✓ B21917

11.33 d 1r 11.43 11.31 = 11.37 06 06
11.31 r 2 m 11.51

✓ B21873 Sh.

11.13 d 1r 11.23 11.23 = 11.23 00 00
11.23 r 1 f 11.33 m 1 N? 11.8 - ..

✓ B21144

11.79 0 2r 11.99 11.84 = 11.92 07 08
11.84 r 2 f 12.04

✓ B21141

Too near edge of pl.

✓ B21105⁻

11.79 0 2r 11.99 R a
f N

✓ B20487

Too near edge of pl.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae..proj..719B

Jan. 20, 1904.

CDM -43 11672 cont

v	B 20447		
12.54	R2 A	12.74	
v	B 20425		
11.79	02 A	11.99	
v	B 20286		
12.54	R1 A	12.64	
v			
Knowledge	B 20280		
12.31	91 A	12.41	
v	B 20158 Sp.		
	Trans edge of ph		
v	B 20159 Sh.		
	Purple		
v	B 19975 Sh.		
	Purple		
v	B 16032		
12.54	R1 A	12.64	
v	B 16097		
12.54	R3 A	12.84	
v	B 16228		
12.54	R3 A	12.84	R A
	R		

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 29, 1904.

BDM -43° 11672 cont.

✓ B16449

11.79 o 1 f 11.89

✓ B16451

12.31 q 3 r 12.61 12.34 = 12.48 13 14
12.34 f 2 r 12.54

✓ B16637

11.33 l f 11.43

✓ B16654

11.79 o 2 r 11.99 11.74 = 11.86 13 12
11.74 o 3 f 12.04

✓ B16895

9.70 d 2 r 9.90 10.05 = 9.98 08 07
10.05 o 1 l 10.15

✓ B17084 Lp.

9.70 d 2 r 9.90 9.95 = 9.92 02 03
9.95 o 2 l 10.15

✓ B17179

Too much edge of pl.

✓ B17259

9.70 d 1 r 9.80 9.95 = 9.88 08 07
9.95 o 2 l 10.15

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 20 1904.

BDM −43° 11672 cont

✓ B17355 Sh

9.70 d 2r 9.90 9.95 = 9.92 02 03
9.95 d 2i 10.15

✓ B17432

9.70 d 2r 9.90 10.05 = 9.98 08 07
10.05 d 1i 10.15

✓ B17535

11.13 k 2r 11.33 11.13 = 11.23 10 10
11.13 d 2i 11.33

✓ B18606

12.54 k 2r 12.74
R

✓ B18725

11.13 k 2r 11.33 11.23 = 11.28 05 05
11.23 d 1i 11.33

✓ B18922

9.70 d 2r 9.90 10.05 = 9.98 08 07
10.05 d 1i 10.15
✓

Nov. 4 B19061

10.35 f 1r 10.45 10.53 = 10.49 04 04
10.53 d 2g 10.73

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 20, 1904.

α Dra -43° 11672 cat

✓ B1908.3

9.70 d 2 r 9.90 10.05 = 9.98 08 07
10.05 r 1 l 10.15

✓ B1911.2

9.70 d 2 r 9.90 10.05 = 9.98 08 07
10.05 r 1 l 10.15

✓ B1917.1

10.15 e 1 r 10.25 10.35 10.63 = 10.41 16 06 22
10.35 r 0 f 10.35
10.63 r 1 g 10.73

✓ B1921.8

10.35 f 1 r 10.45 10.53 = 10.49 04 04
10,53 r 2 g 10.73

✓ B1941.4

10.73 g 2 r 10.93 10.73 = 10.83 10 10
10.73 r 2 h 10.93

✓ B1944.5

10.35 f 3 r 10.65 10.63 = 10.64 01 01
10.63 r 1 g 10.73

✓ B1965.6 Sp.

10.15 e 1 f 10.25

✓ B1965.5 Sp.

Too narrow type

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 21, 1904.

GDM −43° 11692 cont.

✓ B15998

12.31 q 2 r 12.51 12.44 = 12.48 03 04
12.44 r 1 p 12.34

✓ B15825

12.54 p 1 f 12.64

✓ B15704

12.54 p 2 f 12.74

✓ B15529

12.54 p 1 f 12.64

✓ B15435

12.31 q 2 f 12.51

✓ B15141

9.42 p 2 r 9.62 9.50 = 9.56 06 06
9.50 r 2 d 9.70

✓ B14851

11.79 0 2 r 12.09 11.74 = 11.92 17 18
11.74 r 3 p 12.04

✓ B14740

12.54 p 2 f 12.74

✓ B14292

12.54 p 2 f 12.74

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 21, 1904.

CDM -43° 11672 cont.

✓ B14134 Sp.

10.93	h 2 σ	11.13	11.03 = 11.08 05 05
11.03	σ 1 h ?	11.13	

✓ B13994

12.54 h 1 A 12.64

✓ B13868

Too near edge

✓ B13836 Sp.

Too near edge of film

✓ B13790 Sp.

11.33 h 1 A 11.43

✓ B13784 Sp.

10.93 h 2 A 11.13

✓ B13800 Sp.

Too near edge of pl.

✓ B13531

12.04	h 2 σ	12.24	12.21 = 12.22 02 01
12.21	σ 1 g	12.31	

✓ B13570

12.31	g 2 σ	12.51	12.44 = 12.48 03 04
12.44	σ 1 h	12.54	

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 21, 1904.

Lt D M -43° 11672 cont.

✓ B12502

11.79 o3r 12.09 11.84 = 11.96 13 12
11.84 r2f 12.04

✓ B13489
Tr near edge of fld

✓ B12353

11.79 o2r 11.99 11.74 = 11.86 13 12
11.74 r3f 12.04

✓ B13310
Tr near edge of fld

✓ B13089 ff
Poor im reg. of rel.

✓ B13062 ff

9.42 o1f 9.52

✓ B13004

10.33 f2r 10.53 10.53 = 10.54 01 01
10.53 r2g 10.73

✓ B12094
Tr near edge of fld

✓ B9784

9.70 d2r 9.90 9.95 = 9.92 02 03
9.95 r2d 10.13

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 21, 1904.

CDM −43° 11672 cont

✓ B3794

9.70 d 1 r 9.80 9.95− = 9.88 08 07
9.95− r 2 e 10.15−

✓ B3783

9.42 e 3 r 9.72 9.50 = 9.61 11 11
9.50 r 2 d 9.70

✓ B3676 Sp.
Poor in ng. of var.

✓ B3681 Sp.
Poor in ng. of var.

✓ B3489 Sp.
Poor in ng. of var.

✓ B3450 Sp.
Poor in ng. of var.

✓ B3867

9.70 d 1 r 9.80 9.95− = 9.88 08 07
9.95− r 2 e 10.15−

✓ B3833

9.70 d 1 r 9.80 9.95− = 9.88 08 07
9.95− r 2 e 10.15−

✓ B3955 Sp.
Poor in ng. of var.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 21, 1904.

CDM -43° 11672 cont.

✓ B 4831 Sh.
Poor in rig. Jour.

✓ B 4854 Sh.
Poor in rig. Jour.

✓ B 4935
Poor in rig. Jour.

✓ B 4940 Sh.
Poor in rig Jour.

✓ B 5045 Sh
Poor Plain rig Jour.

✓ B 5107
Poor pl

✓ B 5152
Poor in rig. Jour.

✓ B 5150

11.71	near	11.91	11.59 = 11.75	16	16
11.59	R 20	11.79			

✓ B 5405

12.04	f 20	12.24	12.11 = 12.18	06	07
12.11	R 29	12.31			

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 21, 1904.

-DM -43° 11672 cont.

✓ B5951
12.04 pl St 12.14

✓ B5950
Poor images

✓ B6171
12.54 pl St 12.64

✓ B6486
Poor images

✓ B22607
12.04 pl St 12.14

✓ B26011
Too near edge of pl.

✓ B25919
12.31 pl St 12.41

✓ B25789
12.31 pl St 12.41

✓ B25496
12.31 pl 2 12.51 12.44 = 12.48 03 04
12.44 pl 1 12.54

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 21, 1904.

Ethel - 4½ 11672 cont.

✓ B25-192

11.71 m 1 — 11.81 11.69 = 11.75 06 06

11.69 a-0 11.79

✓ B25-981

11.13 k 2 — 11.33 11.23 = 11.28 05 05

11.23 a 1 11.33

✓ B24409

12.31 q 1 St 12.41

✓ B24085 Sp.
Poor images.

✓ B24088 Sp.
Poor images

✓ B8710

12.31 q 2 St 12.51

✓ B8596 Sp.
Poor image. Grass.

✓ B8416 Sp.
Poor image. Grass.

✓ B8295 Sp.

10.93 h 1 St 11.03

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 21, 1904.

CD M -43° 11672

✓ B8023 Sp.
10.93 h 2 St 11.13

✓ B7817
Poor images

✓ B7687 Sp.
11.51 m 1 St 11.61

✓ B7674
Poor nebulosity & ff.

✓ B6768 Sp.
11.13 k 1 St 11.23

✓ B6777 Sp.
Poor im. reg. of neb.

✓ B6877
9.70 d 2 v 9.90 10.05 - 9.98 08 07
10.05 d 1 k 10.15

✓ B9165
12.54 p 1 St 12.64

✓ B9201
Poor nebulosity ff.

✓ B9879
12.31 q 2 St 12.51

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 21, 1904.

DM -43° 11672

✓ B9407
12.31 g 2 S 12.51

✓ B9408
12.31 g 1 S 12.41

✓ B9477
12.54 r 4 o 12.94 Q
R

✓ B9556
Tonnar edge of film

✓ B9686
1204 p 2 S 12.24

✓ B9757 Sh.
10.73 g 10 10.83 10.83 = 10.83 00 00 l 1 N 11.4 .. ..
10.83 0 1 h 10.93

✓ B9811
12.54 r 4 S 12.94

✓ B9819 Sh.
11.33 0 1 S 11.43

✓ B10190 Sh.
10.93 h 2 S 11.13

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 21, 1904.

Lalande -43° 11672

✓ B10347 Sh.
Toomaridge ffpl

✓ B11075
Toomaridge ffpl

✓ B11284

11.33	l 2 r	11.53	11.31 = 11.42	11 11
11.31	o 2 m	11.51		

✓ B11344

10.36	f 2 r	10.56	10.53 = 10.54	01 01
10.53	o 2 g	10.73		

✓ B11345

10.16	l 3 r	10.46	10.15 = 10.30	15 15
10.15	o 2 f	10.35		

✓ B11346

10.36	f 2 r	10.56	10.53 = 10.54	01 01
10.53	o 2 g	10.73		

✓ B11347

10.36	f 2 r	10.56	10.63 = 10.59	04 04
10.63	o 1 g	10.73		

✓ B11349
Toomaridge ffpl

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 21, 1904.

GDM -43° 11672

✓ B11350
Tolerable edge of plate

✓ B11631
9.70 d1r 9.80 9.95⁻ = 9.88 08 07
9.95⁻ o2e 10.15⁻

✓ B11889
Tolerable edge of plate

✓ B11992
10.93 h2r 11.13 10.93 = 11.03 10 10
10.93 o2k 11.13

✓ B28283
9.70 d2r 9.96 9.95⁻ = 9.92 02 03
9.95 o2e 10.15⁻

✓ B28256
9.42 c2r 9.62 9.60 = 9.61 01 01
9.60 o1d 9.70

✓ B28252
9.42 c2r 9.62 9.50 = 9.56 06 06
9.50 o2d 9.70

✓ B30579
Triple

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 21, 1904.

Cat M -43° 11672

✓ * B 20587

12.31 q 1 A 12.41

✓ B 31403

12.31 q 2 r 12.51 12.34 : 12.42 09 08

12.34 b 2 r 12.54

✓ B 31479

12.31 q 1 r 12.41 a

r A

✓ B 31528

12.54 r 2 r 12.84 a

✓ B 31725

12.31 q 1 A 12.41

✓ B 31920

12.04 f 1 A 12.14

✓ B 27430 32003

12.04 f 2 A 12.24

✓ B 27791

Surface

✓ B 27711

12.04 f 2 A 12.24

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 21, 1904

GRM -4311672

✓ B27734

12.31 q 10 12.41 12.44 = 12.42 01 02
12.44 r 12 12.54

✓ B27881
Surface

✓ B27911

10.15⁻ e 10 10.25⁻ 10.15⁻ = 10.20 05⁻ 05⁻
10.15⁻ o 27 10.35⁻

✓ B30915⁻

11.33 l 20 11.53 11.41 = 11.47 06 06
11.41 o 1 m 11.51

✓ B29481

10.15⁻ e 10 10.25⁻ 10.15⁻ = 10.20 05⁻ 05⁻
10.15⁻ o 27 10.35⁻

✓ B29476

10.35⁻ f 20 10.55⁻ 10.53 = 10.54 01 01
10.53 o 29 10.73

✓ B27107

12.54 p 2 t 12.74

✓ B8709

12.31 q 1 t 12.41

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 21, 1904.

CPM -43° 11672

✓ B7818
Poor pl.

✓ B7421
Poor pl.

✓ B6639 Sh.
Poor in neg. part.

✓ B11348
Toward edge of pl.

✓ B2768 684
Surface

✓ A5-637
9.70 d 2 r 9.90 9.90⁻ = 9.92 02 03
9.90⁻ r 2 e 10.10⁻

✓ A449g Sh.
11.03 1 f 11.43

✓ A5-630
9.70 d 1 r 9.80 9.90 = 9.88 08 07
9.90⁻ r 2 e 10.10⁻

✓ A5-192
12.54 2 3 r 12.84 a
R

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj.719B

Jan. 21, 1904.

GDM -43° 11672.

✓ A 2679

12.54 R 40 r 12.94 a

R =

✓ A 2464

10.73 g 2 r 10.93 10.83 = 10.88 03- 05-

10.83 r 1 k 10.93

✓ A 2025 Sp.

10.93 k 2 r 11.13 11.03 = 11.08 05- 06-

11.03 r 1 k 11.13

✓ A 1926

9.70 d 2 r 9.90 9.90- = 9.92 02 03

9.90- r 2 l 10.15-

✓ AM 80

11.13 k 2 1 r 11.23 11.13 = 11.18 05- 05-

11.13 r 2 k l 11.33

✓ AM 1301

11.13 k 2 1 r 11.23 11.13 = 11.18 05- 05-

11.13 r 2 k l 11.33

✓ AM 1952

11.13

k 2 r k 2 t 11.33

r 4 k

✓ AM 1589

9.70 d 2 t 9.9°

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 25, 1904.

EDM -43 11672

✓ AM1543
10.93 h x 2 A 11.03

✓ AM1487
Poor images

✓ AM1461
11.13 h x 8 σ 11.23 11.13 = 11.18 05 05
11.13 σ 2/3 x h 11.33

✓ AM15-
10.93 h x 3 σ 11.23 10.93 = 11.08 15 15
10.93 σ 2 g h 11.13

✓ AMg04
10.15 e l A 10.25

✓ AMg06
Poor image, faint.

✓ AMg45
10.93 ~~f 10~~ h a 11.13 11.03 = 11.08 05 05
11.03 b + g σ h 11.13

✓ AM 1234
10.15 e l A 10.20

✓ AM 1242
10.15 e α l A 10.25

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 25, 1904.

CPM -43° 11672

✓ AM 1246
Class L

✓ AM 1452
9.70 d 2 St 9.90

✓ AM 1276
9.70 d 1 St 9.80

✓ AM 1299
Class L

✓ AM 1437
10.93 ~~h 2 St~~ h 2 St 11.13

✓ AM 1422
10.73 g 1 St 10.83

✓ AM 1414
10.15 d 1 St 10.20

✓ AM 1406
Class L

✓ AM 853
Class L

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 25, 1904

C D M -43° 11672

✓ AM908
10.15 e1 A 10.20

✓ AM915
Cluste

✓ AM938
9.70 ~~k3 A~~ d2r 9.90 9.90 = 9.92 02 03
9.95 ~~k A~~ e2e 10.15

✓ AM1036
9.42 ~~k4 A~~ e2r 9.62 9.50 = 9.56 06 06
9.50 ~~k A~~ e2d 9.70

✓ AM1927
11.13 k2 A 11.33

✓ AM1584
10.93 k1 A 11.03

✓ AM1535
10.93 k1 A 11.03

✓ AM1527
9.70 d1 A 9.80

✓ AM1471
11.13 k2 A 11.33

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 25, 1904.

CDM -43° 11672

✓ AM 1460

10.93 h 2 s 11.13

✓ AM 816

10.93 h 2 r 11.13 11.03 = 11.08 05- 05- m 2 N? 11.9 . . .

11.03 r 1 h 11.13

✓ AM 1061

10.15 e 2 r 10.30- 10.25- = 10.30 05- 05-

10.25- r 1 f 10.35-

✓ AM 1238

10.93 h 2 s 11.13

✓ AM 1260

10.93 h 2 r 11.13 10.93 = 11.03 10 10

10.93 r 2 h 11.13

✓ AM 1286

10.93 h 2 r 11.13 11.03 = 11.08 05- 05-

11.03 r 1 h 11.13

✓ AM 1499

Class C

✓ AM 1423

1093 h 2 s 11.13

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 25 1904.

Obs. -43° 11672

✓ AM 1829

11.33 l 1σ 11.43 a
m 1

✓ AM 1640

11.33 l 2 11.53

✓ AM 1498

11.93 l 2σ 11.13 a
k 1

✓ AM 1383

11.33 l 2σ 11.53 11.41 = 11.47 06 06
11.41 a 1m 11.51

✓ AM 1374

11.13 k 1σ 11.23 11.23 = 11.23 ~~00 00~~
11.23 a 1 l 11.33

✓ AM 1333

11.13 k 1σ 11.23 11.13 = 11.18 05 05
11.13 a 2 l 11.33

✓ AM 1397

11.51 m 1 1 11.61

✓ AM 1225

10.73 g 2σ 10.93 10.73 = 10.83 10 10
10.73 b 2 k 10.93

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 25, 1904.

CDM −43° 116 ?2

✓ aM 129
10.15 e 1 St 10.25

✓ aM 136
9.70 d 1 St 9.80

✓ aM 180
Poor in reg. of nebula.

✓ aM 474
Blank

✓ aM 784
Too near edge of pl.

✓ aM 799
9.42 e 1 St 9.52

✓ aM 807
10.73 g 2 St 10.93

✓ aM 849
9.42 e 1 St 9.52

✓ aM 856
Blank

✓ aM 868
11.33 l 1 St 11.43

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 25 1904.

BDM −43° 11672

✓ AM892
10.93 h 2 f 11.13

✓ AM1252
10.93 h 2 f 11.13

✓ AM1043
10.15⁻ e 2 r 10.35⁻ 10.15 = 10.25⁻ 10 10
10.15⁻ r 2 f 10.35⁻

✓ AM1835⁻
10.93 h 2 f 11.13

✓ AM1543⁻
Poor image. Poor.

✓ AM1435⁻
10.93 h 2 f 11.13

✓ AM73
11.13 h 2 r 11.33 11.13 = 11.23 10 10
11.13 r 2 f 11.33

✓ AM67
poor images

✓ AM1950
10.35⁻ f 2 f 10.55⁻

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 25, 1904.

Lalande -43° 11672

✓ AM 1925-
11.13 list 11.23

✓ AM 1534
Poor in neg. zone.

✓ AM 1482
9.70 d 2 list 9.90

✓ AM 7
Poor images

✓ AM 6
Poor

✓ AM 22
10.93 list 11.03

✓ AM 145
Poor images

✓ AM 156
Poor images

✓ AM 162
9.70 d 2 list 9.90

✓ AM 173.
9.70 d 1 list 9.80

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 25, 1904.

CDM −43° 11672

✓ AM460
10.93 h2r 11.13 a w1 N 11.8 .. ..
h1

✓ AM1035
9.70 d2 1 9.90

✓ AM533
10.93 h1 1 11.03

✓ AM1447
10.93 h2 1 11.13

✓ AM907
10.30 f1 1 10.40

✓ AM 907 8-4
1 1 Class C

✓ AM817
11.13 h1r 11.23 11.23=11.23 00 00
11.23 r1h 11.83

✓ AM1236
10.93 h2r 11.13 10.93=11.03 10 10
10.93 r2h 11.13

✓ AM1278
10.93 h3r 11.23 11.03=11.13 10 10
11.03 r1h 11.13

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 25, 1904

GC m −43° 11672

✓ AM 1028.

9.70 d 2 r 9.90 9.95⁻ = 9.92 02 03
9.95⁻ r 2 e 10.15⁻

✓ AM 798
Plmissing

✓ AM 585
11.33 l 2 r 11.53 a ⊂ m f r 1 IV 11.8 .. ..

✓ AM 631
11.33 l 2 r 11.53 11.41 = 11.47 06 06 m 1 IV 11.8 .. ..
11.41 r l m 11.51

✓ AM 644
10.93 h 2 f 11.13

✓ AM 747
10.93 h 2 f 11.13

✓ AM 809
11.33 l i r 11.43 a ⊂ m f m 1 IV 11.6 .. ..

✓ AM 33
Poor image

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 25, 1904.

AM -43° 11672

✓ AM 137

10.15 d 1 h 10.25

✓ AM 461

Toomuch of pl

✓ AM 366

10.73 g 1 h 10.83 10.83 = 10.83 00 00 d IV 11.4

10.83 b 1 h 10.93

✓ AM 411

Poor pl

✓ AM 426

10.93 h 2 h 11.13 11.08 = 11.08 05 05

11.03 a 1 h 11.13

✓ AM 475

Glass

✓ AM 499

Poor pl

✓ AM 575

Poor images

✓ AM 555

10.93 h 2 h 11.13

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1900phae.proj.719B

Jan. 25, 1904.

SDM −43° 11672

✓ AM056

10.35 f 2σ 10.5⁻5⁻ 10.63 = 10.59 04 04 m 2 IV 11.9 . . .
10.63 σ 1 g 10.73

✓ AM833

11.13 k 2σ 11.33 11.28 = 11.28 05⁻ 05⁻
11.23 σ 1 l 11.33

✓ AM879

11.33 l 2σ 11.53 11.41 = 11.47 06 06 p 1 IV 12.1 . . .
11.41 σ 1 m 11.51

✓ AM960 ✓ B32623
Poor image 05⁻ 05⁻
10.73 g 2σ 10.93 10.83 = 10.88
10.83 σ 1 h 10.93

✓ AM988

9.42 e 1σ 9.52 9.50 = 9.51 01 01 ✓ B32696
9.50 σ 2 d 9.70 9.70 d 2σ 9.90 10.05 = 9.98
10.05 σ 1 e 10.15 08 07

✓ AM1002
Poor image

✓ AM1171

11.33 l 2σ 11.53 11.41 = 11.47 06 06
11.41 σ 1 m 11.51

✓ AM1213

10.15⁻ e 2σ 10.35⁻ 10.25⁻ = 10.30 05⁻ 05⁻
10.25⁻ σ 1 f 10.35⁻

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Jan. 25, 1904.

Cape M-43 11672

✓ AM 1295
Haste

✓ AM 225
Pk plate edge reg. from.

✓ AM 124
Poor image.

✓ AM 2280
9.42 v 2 r 9.62 9.50 = 9.56 06 06
9.50 r 2 d 9.70

✓ AM 1960
10.93 h 1 St 11.03

✓ AM 2037
11.33 L 2 St 11.5-3

✓ AM 2299
9.70 d 2 r 9.90 9.95-9.92 02 03
9.95 r 2 v 10.15

✓ AM 2051
11.13 h 2 St 11.33

✓ AM 2024
11.33 L 2 St 11.5-3

✓ AM 1989
10.73 g 1 r 10.83 10.83 = 10.83
10.83 r 1 h 10.93

✓ AM 1895
1093 h 2 St 11.13

✓ AM 1862
11.33 L 2 St 11.5-3

✓ AM 1852
10.73 g 1 St 10.83

✓ AM 2069
Haste

✓ AM 1972
10.73 g 1 St 10.83

✓ AM 1909
10.73 g 2 St 10.93

✓ AM 1911
11.13 h 2 St 11.33

✓ AM 2288
11.13 h 2 r 11.33 11.13 = 11.23
11.13 r 2 L 11.33 10 10

✓ AM 1917
11.33 L 1 St 11.43

✓ AM 1959
10.35 f 2 r 10.55 10.63
10.63 r 1 g 10.73 04 04

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Feb. 2 1904.

S Orionis

17 25.9 −86 46 (1900)

Comp. plate on B22882.

4 A M 4-6

✓ B22882

8.47 e 3 r 8.77 8.89 = 8.83 06 06

8.89 r 2 f 9.09

✓ B22887

9.09 f 2 r 9.29 9.34 = 9.32 03 02

9.34 r 3 g 9.64

✓

Near edge of film B22867

8.47 e 4 r 8.87 8.89 = 8.88 01 01

8.89 r 2 f 9.09

✓ B22846

9.64 g 2 r 9.84 9.72 = 9.78 06 06

9.72 r 3 h 10.02

✓ B22764

10.24 h 2 r 10.44 10.26 = 10.35 09 09

10.26 r 3 k 10.56

✓ B22798

10.56 k 3 r 10.86 10.63 = 10.74 12 11

10.63 r 3 m 10.93

✓ B22656

10.56 k 3 r 10.86 10.53 = 10.70 16 17

10.53 r 4 m 10.93

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Feb. 2, 1904

δ Octantis cont.

✓ B22648

10.56 l 3 r 10.86 10.63 = 10.74 12 11

10.63 r 3 m 10.93

✓

Too near edge of film B22610

10.24 l 5 r 10.74 α

l 1

✓ B22616

10.56 l 4 r 10.96 10.73 = 10.84 12 11

10.73 r 2 m 10.93

✓ B24379

Too near edge of film

✓ B24383

11.16 m 2 r 11.36 11.16 = 11.26 10 10

11.16 r 3 0 11.46

✓ B24557

Too near edge of film

✓ B22947

8.47 e 3 r 8.77 8.79 = 8.78 01 01

8.79 r 3 f 9.09

✓ B22980 f.p.

8.47 e 2 r 8.67 8.79 = 8.73 06 06

8.79 r 3 f 9.09

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

S Octantis cont.

✓ B23034

8.47 e1σ 8.57 8.79 = 8.68 11 11

8.79 σ3f 9.09

✓ B23205

e A 8.79 a

8.79 σ3f 9.09

✓ B23233

8.47 e2σ 8.67 8.79 = 8.73 06 06

8.79 σ3f 9.09

✓ B23242

8.47 e2σ 8.67 8.89 = 8.78 11 11

8.89 σ2f 9.09

✓ B23618

8.47 e3σ 8.77 8.89 = 8.83 06 06

8.89 σ2f 9.09

✓ B23749

8.47 e3σ 8.77 8.89 = 8.83 06 06

8.89 σ2f 9.09

✓ B23777

8.47 e3σ 8.77 8.99 = 8.88 11 11

8.99 σ1f 9.09

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Feb. 2, 1904.

S Orionis cont.

✓ B23925

9.64 g 2 r 9.84 9.92 = 9.88 04 04
9.92 r 1 h 10.02

✓ B23926

9.64 g 2 r 9.84 9.72 = 9.78 06 06
9.72 r 3 h 10.02

✓ B24136

10.56 l 3 r 10.86 10.53 = 10.70 16 17
10.53 r 4 m 10.93

✓ B24209

10.56 l 3 r 10.86 10.63 = 10.74 12 11
10.63 r 3 m 10.93

✓ B24252

10.56 l 1 ± 10.66

✓ B24322

Too near edge of film

✓ B24367

11.46 0 1 ± 11.56

✓ B15688

11.16 m 4 r 11.56 11.16 = 11.36 20 20
11.16 r 3 0 11.46

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

δ Ostantis cont.

B23531
Too near edge of film

✓ B16007
10.93 m2A 11.13

✓ B14853
10.56 l3r 10.86 10.63 = 10.74 12 11
10.63 r3m 10.93

✓ B23685
8.47 l3r 8.77 8.99 = 8.88 11 11
8.99 r1f 9.09

✓ B22588
Too near edge of film

✓ B22589
10.56 l3r 10.86 10.83 = 10.84 02 01
10.83 r1m 10.93

✓ B22063
Too near edge of film

✓ B22561 Sp.
Couple

✓ B22562 Sp.
10.56 l2r 10.76 A
mA

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Feb. 3 1904.

1 Orionis cont.

✓ B 225-63 Sp.
10.02 h 2 St 10.22

✓ B 225-64 Sp.
10.56 l 2 St 10.76

✓ B 225-65 Sp.
10.02 h 2 St 10.22

✓ B 225-68 Sp.
Poor in neg. of vac.

✓ B 225-70 Sp.
10.24 h 1 v ? 10.34 a
l St

✓ B 225-73 Sp.
9.64 g 2 v 9.84 a
h St

✓ B 225-74 Sp.
10.24 h 1 v 10.34 a
l St

✓ B 225-77 Sp.
9.64 g 2 St 9.84

✓ B 225-78 Sp.
10.02 h 2 v 10.22 R a m 1 v 11.2 .. ..
l St

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Feb. X 1904

Standards cont.

✓ B22580

10.56 l 3 r 10.86 10.73 = 10.80 06 07

10.73 r 2 m 10.93

✓ B22581

Passing right of car.

✓ B ~~22600~~ 15142

9.09 f 1 r 9.19 9.34 = 9.26 07 08

9.34 r 3 g 9.64

✓ B 15173 Sp.

9.09 f 2 r 9.29 9.34 = 9.32 03 02

9.34 r 3 g 9.64

✓ B 22452

11.16 m 3 r 11.46 11.26 = 11.36 10 10

11.26 r 2 0 11.46

✓ B 22407

10.93 m 2 ~~f~~ 11.13

✓ B 22238 Sp.

8.47 l 4 r 8.87 8.79 = 8.83 04 04

8.79 r 3 f 9.09

✓ B 22176

8.47 l 3 r 8.77 8.89 = 8.83 06 06

8.89 r 2 f 9.09

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Feb. 4 1904.

S Orionis comp

✓ B22168 Sp.
Poor in reg. of row.

✓ B22126
8.47 e 2 r 8.67 8.99 = 8.83 16 16
8.99 r 1 f 9.09

✓ B22105
8.47 e 2 r 8.67 8.89 = 8.78 11 11
8.89 r 2 f 9.09

✓ B22067
8.47 e 2 r 8.67 8.89 = 8.78 11 11
8.89 r 2 f 9.09

✓ B14545
10.56 l 3 r 10.86 10.73 = 10.80 06 07
10.73 r .2 m 10.93

✓ B14489
10.56 l 2 r 10.76 10.73 = 10.74 02 01 m 1 ff 11.2 .. ..
10.73 r 2 m 10.93

✓ B8231
9.09 f 3 r 9.39 9.34 = 9.36 03 02
9.34 r 3 g 9.64

✓ B8049
7.99 d 3 r 8.29 8.37 = 8.33 04 04
8.37 r 1 e 8.47

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

S Orionis cont

✓ B805-1 Sh
Purple

✓ B8197
9.09 f 10 9.19 9.34 = 9.26 07 08
9.34 r 3 9.64

✓ B8046 Sh.
Tourmaline pk

✓ B8047 Sh.
Purple

✓ B8041
Purple

✓ B8042.
7.99 d 20 8.19 8.37 - 8.28 09 09
8.37 r 1 8.47

✓ B8127 Sh.
Purple, reg. of em.

✓ B8130 Sh.
Purple

✓ B8137 Sh
Purple

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj.749B

Feb. 3, 1904.

8 Asterisks cont.

✓ B 8565
Too near edge of pl.

✓ B 8564
Too near edge of pl.

✓ B 8217
8.47 e 5-r 8.8 9.7 R
f St.

✓ B 8216
Too near edge of pl.

✓ B 8215
8.47 e 4 r 8.87 R
f St.

✓ B 8204
Too near edge of pl.

✓ B 8202 Spr.
8.47 e 4 r 8.87 R
f St.

✓ B 8448
Poor pl.

✓ B 8443
10.56 e 2 r 10.76 10.63 = 10.70 06 07
10.63 os 3 nv 10.93

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Feb. 3, 1904.

S Asteroids cont.

✓ B8441
Double

✓ B8350
10.24 R30 10.54 10.16 = 10.33 19 19
10.16 30R 10.56

✓ B8349
10.02 R30 10.32 10.14 = 10.23 09 09
10.14 30R 10.24

✓ B8238
Double

✓ B6270
Double

✓ B15-95-
Too near edge of pl.

✓ B8194 Sp.
Poor in reg. of nec.

✓ B8195 Sp.
Poor in reg. of nec.

✓ B4797
Double

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Feb. 3 1904.

δ Octantis

✓ B 5-848
Pouring reg. of rau.

✓ B 5-849
Pouring reg. of rau.

✓ B 15-631
11.46 02 f 11.66

✓ B 3349
Pouring reg. of rau.

✓ B 9341
Pouple

✓ B 11845
8.47 l 2 r 8.67 8.79 = 8.73 06 06
8.79 r 3 f 9.09

✓ B 11847
8.47 l 3 r 8.77 8.79 = 8.78 01 01
8.79 r 3 f 9.09

✓ B 11853-2
8.47 l 3 r 8.77 8.89 = 8.83 06 06
8.89 r 2 f 9.09

✓ B 11888
8.47 l 3 r 8.77 8.89 = 8.83 06 06
8.89 r 2 f 9.09

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1003phae.proj.7198

Feb. 3, 1904.

8 Octants

✓ B 11569

7.99 d 2 r 8.19 8.27 = 8.23 04 04
8.27 r 2 l 8.47

✓ B 11468

8.47 l 3 r 8.77 8.69 = 8.73 04 04
8.69 r 4 l 9.09

✓ B 11562

7.99 d 3 r 8.29 8.17 = 8.23 06 06
8.17 r 3 l 8.47

✓ B 11598

7.99 d 2 r 8.19 8.27 = 8.23 04 04
8.27 r 2 l 8.47

✓ B 11098 Sh.

Pouring of wax.

✓ B 11120

10.24 l 3 r 10.54 10.36 = 10.45 09 09
10.36 r 2 l 10.56

✓ B 11123

10.24 l 3 r 10.54 10.26 = 10.40 14 14
10.26 r 3 l 10.56

✓ B 11156

Torn at edge of film

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Feb. 3, 1904.

S Orionis

✓ B11160
Poor in reg. of var.

✓ B11729 Sp.
Poor near edge of film

✓ B11602
e A 8.79 R
8.79 r 3 f 9.09

✓ B9799
10.56 e 2 A 10.76

✓ B9871
~~11.46~~ ~~e 3 r~~ ~~11.76~~
11.64 f 2 r 11.84 11.74 = 11.79 05 05
11.74 r 2 g 11.94

✓ B9996
Poor in reg. of var.

✓ B10429
9.09 f 3 r 9.39 9.34 = 9.36 03 02
9.34 r 3 g 9.64

✓ B10282 Sp.
9.64 g 3 r 9.94 9.92 = 9.93 01 01
9.92 r 1 h 10.02

B11281 Sp.
10.02 h 1 g 10.12 10.14 = 10.13 01 01
10.14 g 1 k 10.24

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Feb. 3, 1904

S Octantis

✓ B10701

9.09 f 3 r 9.39 9.34 = 9.36 03 02
9.34 r 3 g 9.64

✓ B10845
Pair fl.

✓ B11004
10.93 m 1 R 11.03

✓ B11006
11.16 m 2 R 11.36

✓ B11049 Sp.
Poor fl. in neg. of one.

✓ B11067
10.93 m ± 2 R 11.13.

✓ Bg325
10.24 h 2 r 10.44 10.36 = 10.40 04 04
10.36 r 2 k 10.56

✓ Bg327
10.02 h 3 r 10.32 10.14 = 10.23 09 09
10.14 r 1 h 10.24

✓ Bg348
10.56 k 1 r 10.66 10.53 = 10.60 06 07
10.53 r 4 m 10.93

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Feb. 3, 1904.

S Orionis

Bg 343

10.56 l 2 r 10.76 10.63 = 10.70 06 07
10.63 r 3 m 10.93

Bg 368

10.24 l 3 r 10.54 10.36 = 10.45 09 09
10.36 r 2 l 10.56

Bg 370

10.24 l 3 r 10.54 10.36 = 10.45 09 09
10.36 r 2 l 10.56

Bg 449

10.56 l 2 r 10.76 10.53 = 10.64 12 11
10.53 r 4 m 10.93

Bg 548

11.16 m 2 r 11.36 11.16 = 11.26 10 10
11.16 r 2 d 11.46

Bg 590

11.46 o 2 r 11.66 11.44 = 11.55 11 11
11.44 r 2 p 11.64

Bg 611

11.46 o 1 A 11.56

Bg 648

11.46 o 2 A 11.66

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj.7198

Feb. 3, 1904.

80 stars

✓ B9655

11.46 o 2 r 11.66 11.44 = 11.55 11 11
11.44 r 2 p 11.64

✓ B9672

11.46 o 1 ∧ 11.56

✓ B9677

11.16 n 2 ∧ 11.36

✓ B9678

11.16 n 2 ∧ 11.36

✓ B14294

10.24 p 3 r 10.54 10.36 = 10.45 09 09 n 1 ∧ 11.2 .. ..
10.36 r 2 p 10.56

✓ B14862

Poor image. faint.

✓ B15031

Too near edge of film

✓ B15118

9.09 p r 9.29 9.54 = 9.42 13 12
9.54 r 1 g 9.64

✓ B6831 Sh.

8.47 e 3 r 8.77 8.79 = 8.~~88~~ 01 01
8.79 r 3 f 9.09

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Feb. 3, 1904

S Cstants

√ B11906

α λ K

8.89 r 2 f 9.09

√ B11910

8.47 l 3 r 8.77 8.79 = 8.78 01 01

8.79 r 3 f 9.09

√ B11966

8.47 l 3 r 8.77 8.99 = 8.88 11 11

8.99 r 1 f 9.09

√ B11989 Sp.

9.09 f 2 r 9.29 9.44 = 9.36 07 08

9.44 r 2 g 9.64

√ B12096

9.09 f 3 r 9.39 9.54 = 9.46 07 08

9.54 r 1 g 9.64

√ B12097

9.64 g 3 r 9.94 9.82 = 9.88 06 06

9.82 r 2 h 10.02

√ B12425

Too near edge of film

√ B12183

9.64 g 2 r 9.84 9.82 = 9.83 01 01

9.82 r 2 h 10.02

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Feb. 3, 1904.

S Cetanti

✓ B12145

10.02 h2r 10.22 10.04 = 10.13 09 09
10.04 r2h 10.24

✓ B12136

9.64 g2r 9.84 9.82 = 9.83 01 01
9.82 r2h 10.02

✓ B12505
Double

✓ B12541
10.56 l2h 10.76

✓ B12852
8.47 l3r 8.77 8.99 = 8.88 11 11
8.99 r1f 9.09

✓ B12883 Sh.
Double in neg. plate.

✓ B9113
10.02 h2r 10.22 9.94 = 10.08 14 14
9.94 r2h 10.24

✓ B9119
Double

✓ B9121
Double

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Feb. 3 1904

S Orionis

✓ Bq123

10.02 h 2 r 10.22 9.94 = 10.08 14 14

9.94 r 3 h 10.24

✓ Bq136

9.64 g 3 r 9.94 9.82 = 9.88 06 06

9.82 r 2 h 10.02

✓ Bq153

Poorly

✓ Bq246

Poorly

✓ Bq231

10.02 h 2 r 10.22 10.04 = 10.13 09 09

10.04 r 2 h 10.24

✓ Bq223

10.24 h 2 r 10.44 10.36 = 10.40 04 04

10.36 r 2 l 10.56

✓ Bq316

10.56 l 1 r 10.66 10.63 = 10.64 02 01

10.63 r 3 w 10.93

✓ Bq308

Too near edge

Cont in BK. 13.

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Estimates Pat. m + o for J Ophiuchi
Jan. 27 1904

B27967
m = 0

B9105
m 4 0

B20353
m 4 0

B10216
m 5 0

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Dec. 28, 1903.

Estimates of t, u, w, that were added to figures for RT Scorpii.

✓ B 30287
p 3 t
t 4 u
u 2 w

✓ B 30339
p 2 t
t 3 u
u 2 w

✓ B 17234
p 3 t
t 2 u
w m.s

✓ B 17077
p 4 t
t 3 u
w 1 w

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

Continuation Sequence for 8 Q stars
from 0 15 q Feb. 18, 1904. by E C

✓ B 30999
0 2 f
f 2 g

✓ B 23-664
0 2 f
f 4 g

✓ B 31991
0 2 f
f 3 g

✓ B 31950
0 1 f
f 3 g

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1002phae.proj.7100

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System

1903phae.proj..719B

John G. Wolbach Library, Harvard-Smithsonian Center for Astrophysics • Provided by the NASA Astrophysics Data System