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KG
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721

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KE 11365. 721

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June 3, 1904.

R Paronis
$18^h\ 3.3^m\ -63^\circ\ 38'$ (1900)
Comp. plate marked on B29763.

✓ B29763

11.32 m 2r 11.52 11.42 = 11.47 05 05
11.42 r 2 0 11.62

✓ B12969

7.08 a 3r 7.38 7.40 - 7.39 01 01
7.40 r 2 f 7.60

✓ B12964

7.60 f 1r 7.70 8.02 = 7.86 16 16
8.02 r 3 n 8.32

✓ B12962

7.60 f 1r 7.70 8.02 = 7.86 16 16
8.02 r 3 n 8.32

✓ B11077 Sp.
Poor images.

✓ B11439

10.42 h 2r 10.62 10.50 = 10.56 06 06
10.50 r 3 h 10.80

✓ B 85-82 Sp.

7.60 f 1r 7.70 8.12 = 7.91 21 21
8.12 r 2 n 8.32

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1904phae_proj...722B

June 3, 1904.

R Paronis cont.

✓ B8621 Sp.

7.60 Hr 7.70 8.12 = ~~8.41~~ 7.9 21 21
8.12 σ2 P 8.32

✓ B9335

7.08 a3r 7.38 7.40 = 7.39 01 01
7.40 σ2 f 7.60

✓ B9315

7.08 a3r 7.38 7.50 = 7.44 06 06
7.50 σ1 f 7.60

✓ B9314

7.60 f2r 7.80 8.02 = 7.91 11 11
8.02 σ3 P 8.32

✓ B9313

7.60 f2r 7.80 7.92 = 7.86 06 06
7.92 σ4 N 8.32

✓ B7999 Sp.
Poor im rig.

✓ B8222 Sp.

9.32 e1 A 9.42

✓ B8260 Sp.

9.32 e1 A 9.42

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1904phae.proj..722B

June 3, 1904.

RParonis cont.

✓ B14301

11.07 m 2 r 11.27 11.02 = 11.14 13 12
11.02 r 3 m 11.32

✓ B22356

11.32 m 2 r 11.52 11.32 = 11.42 10 10
11.32 r 3 0 11.62

✓ B22590

11.32 m 1 A 11.42

✓ B22889

10.80 k 2 r 11.00 10.85 = 10.92 08 07
10.85 r 2 k 11.05

✓ B22892

11.05 l 1 r 11.15 10.87 = 11.01 14 14
10.87 r 2 m 11.07

✓ B23691

7.60 t 1 r 7.70 8.12 = 7.91 21 21
8.12 r 2 N 8.32

✓ B23536

7.60 t 2 r 7.80 8.22 = 8.01 21 21
8.22 r 1 N 8.32

✓ B19688

11.32 n 3 r 11.62 11.32 = 11.47 15 15
11.32 r 3 0 11.62

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1904phae.proj..722B

June 3, 1904.

R Paronis cont.

✓ B19578

11.32 n3r 11.62 11.52 = 11.57 05 05
11.52 r10 11.62

✓ B19447

11.32 n3r 11.62 11.42 = 11.52 10 10
11.42 r20 11.62

✓ B19379

11.32 n3r 11.62 11.52 = 11.57 05 05
11.52 r10 11.62

✓ B20011

9.92 g2r 10.12 10.12 = 10.12 = 10.12 00 00
10.12 r3h 10.42

✓ B21151

9.32 e2r 9.52 9.42 = 9.47 05 05
9.42 r2f 9.62

✓ B21222

8.54 d2r 8.74 9.02 = 8.88 14 14
9.02 r3e 9.32

✓ B21281

7.60 f2r 7.80 8.12 = 7.96 16 16
8.12 r2e 8.32

✓ B21386

7.60 h3r 7.90 8.02 = 7.96 06 06
8.02 r3f 8.32

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June 3, 1904.

R Paronis

✓ B21574

7.60 f 2r 7.80 8.22 = 8.01 21 21
8.22 r 1c 8.32

✓ B21679 Sp.

8.84 d 1r 8.64 9.12 = 8.88 24 24
9.12 r 2l 9.32

✓ B21808

9.62 f 1r 9.72 9.82 = 9.77 05 05
9.82 r 1g 9.92

✓ B22030

9.92 g 3r 10.22 10.22 = 10.22 00 00
10.22 r 2h 10.42

✓ B16330

7.08 a 3r 7.38 7.50 = 7.44 06 06
7.50 r 1f 7.60

✓ B16285

Too near edge of pl.

✓ B16159

7.60 f 2r 7.80 8.12 = 7.96 16 16
8.12 r 2N 8.32

✓ B16419

7.60 f 3r 7.90 8.12 = 8.01 11 11
8.12 r 2N 8.32

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1904phae.proj...722B

June 3, 1904.

R Paronis

✓ B16566

7.60 — 1 1r — 7.70 8.02 = 7.86 16 16
8.02 — 0 3 r — 8.32

✓ Not stained B18054

11.05 — 1 1r — 11.15 10.87 = 11.01 14 14
10.87 — 0 2m — 11.07

✓ B18493

7.60 — 1 3r — 7.90 8.02 = 7.96 06 06
8.02 — 0 3 r — 8.32

✓ B18607

7.60 — 1 2r — 7.80 8.22 = 8.01 = 21 21
8.22 — 0 1 r — 8.32

✓ B18596

8.32 — 0 1r — 8.42 8.34 = 8.38 04 04
8.34 — 0 2 d — 8.54

✓ B18555

7.60 — 1 3r — 7.90 8.12 = 8.01 11 11
8.12 — 0 2 r — 8.32

✓ B19199

11.32 — 1 3r — 11.62 11.42 = 11.52 10 10
11.42 — 0 2 0 — 11.62

✓ B19175

11.32 — 1 1r — 11.42 11.42 = 11.42 00 00
11.42 — 0 2 0 — 11.62

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1904phae.proj..722

June 4, 1904.

R Paronis

✓ B19084

11.07 m 2 o 11.27 11.12 = 11.20 07 08
11.12 o 2 m 11.32

✓ B30192

11.32 m 2 A 11.52

✓ B30069.

11.32 m 2 A 11.52

✓ B30001

11.62 o 2 r 11.82 R
R

✓ B30191

11.07 m 2 o 11.27 11.22 = 11.24 03 02
11.22 o 1 m 11.32

✓ B30108

11.32 m 1 A 11.42

✓ B30107

11.32 m 3 o 11.62 11.42 = 11.52 10 10
11.42 o 2 o 11.62

✓ B30276

11.07 m 1 r 11.17 11.12 = 11.14 03 02
11.12 o 2 m 11.32

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1904phae.proj...722B

June 4, 1904.

R Personis

✓ B30221

11.32 m 2r 11.52 11.42 = 11.47 05 05
11.42 r 2 0 11.62

✓ B31830

7.60 t 2r 7.80 8.12 = 7.96 16 16
8.12 0 2 2 8.32

✓ B31808

7.60 t 3r 7.90 8.12 = 8.01 11 11
8.12 0 2 2 8.32

✓ B30589

7.60 t 3r 7.90 8.12 = 8.01 11 11
8.12 0 2 2 8.32

✓ B32064

9.32 l 2 r 9.52 9.52 = 9.52 00 00
9.52 r 1 f 9.62

✓ B32100

9.32 l 2 r 9.52 9.52 = 9.52 00 00
9.52 r 1 f 9.62

✓ B32255

Too near edge of plate

✓ B32254

Too near edge of plate

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1904phae.proj..722B

June 4, 1904.

R Parsons

✓ B32652

9.92 g3r 10.22 10.22=10.22 00 00
10.22 r2h 10.42

✓ B32637

11.07 m2r 11.27 11.12=11.20 07 08
11.12 r2n 11.32

✓ B11417

9.92 g2r 10.12 10.22=10.17 05 05
10.22 r2h 10.42

✓ B11563

8.54 d1r 8.64 9.02=8.83 19 19
9.02 r3e 9.32

✓ B11557

8.54 d3r 8.84 9.02=8.93 09 09
9.02 r3e 9.32

✓ B17079

9.32 e1r 9.42 9.42=9.42 00 00
9.42 r2f 9.62

✓ Bg334

7.08 a3r 7.38 7.50=7.44 06 06
7.50 r1f 7.60

✓ B4138

8.54 d3r 8.84 9.12=8.98 14 14
9.12 r2e 9.32

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1904phae..proj...722B

June 4 1904.

R Paronis.

✓ B14293

11.32 m2r 11.52 11.42 = 11.47 05 05
11.42 r20 11.62

✓ B14447

10.42 h3r 10.72 10.60 = 10.66 06 06
10.60 r2k 10.80

✓ B14852

7.60 f2r 7.80 8.02 = 7.91 11 11
8.02 r3k 8.32

✓ B14899

10.42 k2r 10.62 10.60 = 10.61 01 01
10.60 r2k 10.80

✓ B15120

7.60 f2r 7.80 8.02 = 7.91 11 11
8.02 r3k 8.32

✓ B15990

7.60 f2r 7.80 8.22 = 8.01 21 21
8.22 r1N 8.32

✓ B15707

9.62 f2r 9.82 9.62 = 9.72 10 10
9.62 r3g 9.90

✓ B15705

9.32 e1r 9.42 9.42 = 9.42 00 00
9.42 r2f 9.62

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1904phae.proj..722B

June 4, 1904.

R Parsonia

✓ B16098

7.60 f3r 7.90 8.02 = 7.96 06 06
8.02 o3r 8.32

✓ B12971

7.08 a3r 7.38 7.50 = 7.44 06 06
7.50 o1f 7.60

✓ B25875

9.32 e1r 9.42 9.42 = 9.42 00 00 05 05
9.42 o3f 9.62

✓ B16100

Toomar edge f.

✓ B16363

7.60 f3r 7.90 8.02 = 7.96 06 06
8.02 o3r 8.32

✓ B22033

9.62 f2f 9.82

✓ B3407 Sp.

Poor pl

✓ B12079 Sp.

Toomar edge f. filter

✓ B12134

8.32 c2r 8.52 8.44 = 8.48 04 04
8.44 o1d 8.54

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1904phae.proj...722F

June 4, 1904.

R Parsons

✓ B8424 Sp.
Poor in reg.

✓ B8425 Sp.
Poor in reg.

✓ B85-48 Sp.
7.60 1 2 r 7.80 8.02 = 7.91 = 11 11
8.02 r 3 v 8.32

✓ B13213
8.54 d 2 r 8.74 9.22 = 8.98 2 4 2 4
9.22 r 1 l 9.32

✓ B135-05-
9.62 1 3 r 9.92 9.82 = 9.87 05 03
9.82 r 1 g 9.92

✓ B1347 Sp.
Poor in reg.

✓ B13889
11.07 m 2 r 11.27 11.22 = 11.24 03 02
11.22 r 1 n 11.32

✓ B15-449
10.42 h 2 r 10.62 10.70 = 10.66 04 04
10.70 r 1 k 10.80

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1904phae.proj..722B

June 4 1904.

R Parsonis

✓ B11540 Sp.

8.32 c1r 8.42 8.44 = 8.43 01 01
8.44 o1d 8.54

✓ B11517 Sp.

Poor image.

✓ B11673 Sp.

8.32 c2r 8.52 8.44 = 8.48 04 04
8.44 o1d 8.54

✓ B11662 Sp.

8.32 c2r 8.52 8.34 = 8.43 09 09
8.34 o2d 8.54

✓ B11661 Sp.

8.32 c1r 8.42 8.44 = 8.43 01 01
8.44 o1d 8.54

✓ B6814 Sp.

8.32 c1r 8.42 8.34 = 8.38 04 04
8.34 o2d 8.54

✓ B6808 Sp.

8.54 d1r 8.64 9.22 = 8.93 29 29
9.22 o1e 9.32

✓ B6726

9.32 e2r 9.52 9.42 = 9.47 05 05
9.42 o2f 9.62

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June 4, 1904.

R Perronis

✓ B6917
11.07 mi st 11.17

✓ B7580 Sh.
Poor im reg.

✓ B7738 Sh.
Poor pl.

✓ B7972
Poor im reg. 1 frac.

✓ B13005
7.08 a 3s 7.38 7.40 = 7.39 01 01
7.40 c 2 f 7.60

✓ B18923
10.42 h 3 g 10.72 10.60 = 10.66 06 06
10.60 c 2 b 10.80

✓ B6822 Sh.
8.32 c1 st 8.42

✓ B18732
9.62 f 1s 9.72 9.82 = 9.77 05 05
9.82 c 1 g 9.92

✓ B18726
9.62 f 2s 9.92 9.62 = 9.77 15 15
9.62 c 2 g 9.92

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1904phae.proj..722B

June 4, 1904.

R Paronis

✓ B24987

7.60 f2r 7.80 8.22 = 8.01 21 21
8.22 o1N 8.32

✓ B25367

9.92 g1r 10.02 10.22 = 10.12 10 10
10.22 o2h 10.42

✓ B25365

9.92 g1r 10.02 10.22 = 10.12 10 10
10.22 o2h 10.42

✓ B25364

Pl. trailed

✓ B25240

Pl. damaged in reg. of sat.

✓ B25212

8.54 d2r 8.74 9.12 = 8.93 19 19
9.12 o2l 9.32

✓ B25432

9.92 g2r 10.12 10.22 = 10.17 05 05
10.22 o2h 10.42

✓ B23878

7.60 f3r 7.90 8.12 = 8.01 11 11
8.12 o2N 8.82

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1904phae.proj...722B

June 4, 1904.

R Parnicia

✓ B24410

10.42 k3r 10.72 10.60 = 10.66 06 06
10.60 r2k 10.80

✓ B32572

Toomuchedge for G

✓ B27412

8.32 c2r 8.32 8.34 = 8.43 09 09
8.34 r2d 8.54

✓ B27393

7.60 f2r 7.80 8.12 = 7.96 16 16
8.12 r2c 8.32

✓ B27726

7.60 f2r 7.80 8.12 = 7.96 16 16
8.12 r2c 8.32

✓ B27882

Surface

✓ B27846

8.54 d2r 8.84 9.12 = 8.98 14 14
9.12 r2e 9.32

✓ B28171

9.62 f2r 9.82 9.72 = 9.77 05 05
9.72 r2g 9.92

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1904phae.proj..722B

June 4, 1904.

R Persei

✓ B28117

9.62 f2r 9.82 9.72 = 9.77 05 05
9.72 r2g 9.92

✓ B28580

11.05 l2r 11.25 10.77 = 11.01 24 24
10.77 r3m 11.07

✓ B29977

11.32 m3r 11.62 11.52 = 11.57 05 05
11.52 r10 11.62

✓ B25741

11.05 l2r 11.25 10.97 = 11.11 14 14
10.97 r1m 11.07

✓ Star edge of Pl. B25668

10.42 h3r 10.72 10.70 = 10.71 01 01
10.70 r1h 10.80

✓ B27362
Surface

✓ B27339

8.84 d3r 8.84 9.12 = 8.98 14 14
9.12 r2e 9.32

✓ B26260 Spr.
Pl trailed

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1904phae.proj...722B

June 4 1904.

R Coronæ.

✓ B26050

8.54 d 3 r 8.84 9.12 = 8.98 14 14
9.12 r 2 e 9.32

✓ B27497

8.54 d 1 r 8.64 9.02 = 8.83 19 19
9.02 r 3 e 9.32

✓ B27496

8.54 d 2 r 8.74 9.02 = 8.88 14 14
9.02 r 3 e 9.32

✓ B27442

8.32 c 2 r 8.52 8.44 = 8.48 04 04
8.44 r 1 d 8.54

✓ B17459

11.07 m 2 r 11.27 11.02 = 11.14 13 12
11.02 r 3 m 11.32

✓ B17436

11.05 l 2 r 11.25 10.87 = 11.06 19 19
10.87 r 2 m 11.07

✓ B17237

9.92 g 3 r 10.22 10.12 = 10.17 05 05
10.12 r 3 h 10.42

✓ B17725

11.32 m 3 A 11.62

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1904phae.proj..7228

June 4, 1904.

R Parsons

✓ B 17712

11.32 n 30 11.62 11.42 = 11.52 10 10
11.42 r 20 11.62

✓ B 17656

11.32 n 20 11.52 11.32 = 11.42 10 10
11.32 r 30 11.62

✓ Near edge B 17649

11.32 n 2 st 11.52

✓ B 16656

Too near edge

✓ B 16618

7.60 f 2 r 7.80 8.02 = 7.91 11 11
8.02 r 2 n 8.32

✓ B 6895

~~Too~~ Double

✓ B 15530

10.80 f 2 r 11.00 10.95 = 10.98 02 03
10.95 r 1 l 11.05

✓ B 16899

7.60 f 2 r 7.80 8.12 = 7.96 16 16
8.12 r 2 n 8.32

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1904phae.proj...722F

June 4, 1904.

R Coronis

✓ B6287

7.08 a3r 7.38 7.40 = 7.39 01 01
7.40 r2f 7.60

✓ B6490
Toomandgrfpb.

✓ B6373

7.60 f2r 7.80 8.02 = 7.91 11 11
8.02 r2r 8.32

✓ B6318

7.08 a3r 7.38 7.40 = 7.39 01 01
7.40 r2f 7.60

✓ B5099 Sh.
Coorpb

✓ B5284 Sh.
Coor in rig.

✓ B5659 Sh.
Coor in rig.

✓ B6289

7.60 f2r 7.90 8.12 = 8.01 11 11
8.12 r2v 8.32

✓ B4048

7.60 f2r 7.80 8.12 = 7.96 16 16
8.12 r2v 8.32

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1904phae.proj..722B

June 4, 1904.

R Parsonis

✓ B4016

7.60 t2r 7.80 8.12 = 7.96 16 16
8.12 c2c 8.32

✓ B4139

8.54 c3r 8.84 9.12 = 8.98 14 14
9.12 c2l 9.32

✓ B3962

7.60 t3r 7.90 8.12 = 8.01 11 11
8.12 c2v 8.32

✓ B3995

7.60 t2r 7.80 8.02 = 7.91 11 11
8.02 c3v 8.32

✓ B3906 Sh.

Poor in Mg.

✓ B3907 Sh.

7.60 t1r 7.70 8.22 = 7.96 26 26
8.22 c1v 8.32

✓ B3809

7.60 t2r 7.80 8.12 = 7.96 16 16
8.12 c2v 8.32

✓ B3743

7.60 t2r 7.80 8.12 = 7.96 16 16
8.12 c2v 8.32

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1904phae.proj..722B

June 4, 1904.

R Parsons

✓ B3494 Sp.
Poor image.

✓ B20321
7.60 f2r 7.80 8.12 = 7.96 16 16
8.12 g2c 8.32

✓ B20144 Sp.
9.32 e1f 9.42

✓ B20358
7.60 f3r 7.90 8.12 = 8.01 11 11
8.12 g2c 8.32

✓ AM108
8.32 f1r 8.42 8.34 = 8.38 04 04
8.34 g2d 8.54

✓ AM533
9.92 g1f 10.02

✓ AM2163
Class C

✓ AM2320
Too near edge of pl.

✓ AM 1527
7.60 f3r 7.90 8.12 = 8.01 11 11
8.12 g2d 8.32

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1904phae.proj..722B

June 4, 1904.

R Paronis

✓ AM 1927

7.60 f 3 σ 7.90 8.02 = 7.96 06 06
8.02 σ 3 r 8.32

✓ AM 1911

7.60 f 2 r 7.80 8.02 = 7.91 11 11
8.02 σ 3 r 8.32

✓ AM 421

7.60₂ f 3 σ 7.90 8.18² = 8.00' 10' 1 0'
8.18 σ 2 r 8.30²

✓ AM 498

10.42 h 1 St 10.52

✓ AM 565

9.62 f 2 St 9.82

✓ AM 691

9.32 e 2 r 9.52 9.32 = 9.42 10 10
9.32 σ 3 f 9.62

✓ AM 751

9.92 g 3 r 10.22 10.32 = 10.27 05 05
10.32 b 1 h 10.42

✓ AM 2316

9.62 f 2 St 9.82

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1904phae.proj...722B

June 4, 1904.

R Parsons . . . .

✓ AM2235
10.42 h1 St 10.52

✓ AM2219
10.42 h1 St 10.52

✓ AM2186
10.42 h2 St 10.62

✓ AM2146
Class C

✓ AM1882
7.60 f1 r 7.70 8.02 = 7.86 16 16
8.02 r3 v 8.32

✓ AM79
7.60 f3 r 7.90 8.12 = 8.01 11 11
8.12 r2 v 8.32

✓ AM74
7.60 f3 r 7.90 7.92 = 7.91 01 01
7.92 r4 v 8.32

✓ AM62
7.60 f1 r 7.70 8.02 = 7.86 16 16
8.02 r3 v 8.32

✓ AM826
7.60 f4 r 8.00 8.02 = 8.01 01 01
8.02 r3 v 8.32

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1904phae.proj..722B

June 4, 1904.

R Paronis

✓ AM 852
Clan C

✓ AM 887

8.32 c 1 r 8.42 8.34 - 8.38 04 04
8.34 r 2 d 8.54

✓ AM 880

8.32 c 1 r 8.42 8.24 = 8.33 09 09
8.24 r 2 d 8.54

✓ AM 980

9.62 f 3 r 9.92 9.72 - 9.82 10 10
9.72 r 2 g 9.92

✓ AM 961
Pl. trailed

✓ AM 468
Pl. trailed.

✓ AM 460

9.32 e 1 r 9.42 9.32 - 9.37 05 05
9.32 r 3 f 9.62

✓ AM 173

9.62 f 2 r 9.82 9.62 = 9.72 10 10
9.62 r 2 g 9.92

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1904phae.proj...722B

June 4, 1904

R Persei

✓ AM162
9.62 J 2 r 9.82 9.72 = 9.77 05 05
9.72 r 2 g 9.92

✓ AM156
Pl. trailed

✓ AM145
Poor images

✓ AM22
7.60 f 3 r 7.90 8.02 = 7.96 06 06
8.02 r 3 e 8.32

✓ AM 7
Pl. trailed

✓ AM 6
Poor pl.

✓ AM585
10.80 2 1 f 10.90

✓ AM631
9.32 e 2 r 9.52 9.42 = 9.47 05 05
9.42 r 2 J 9.62

✓ AM644
8.54 d 3 r 8.84 9.02 = 8.93 09 09 9.32 e 3 r 9.62 9.42 = 9.52
9.02 r 3 e 9.32 9.42 r 2 J 9.62 10 10

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1904phae.proj..722B

June 4, 1904.

R Parsons

✓ AM 2177
Toomaridge

✓ AM 2191
9.62 F I A 9.72

✓ AM 2212
Toomaridge ff pl.

✓ AM 2299
8.54 a 2 A 8.74

✓ AM 833
t off film 8.12 R
8.12 r 2 v 8.32

✓ AM 879
R 8 0 V
8.02 r 3 v 8.32

✓ AM 988
Toomaridge

✓ AM 1002
R. trailed

✓ AM 1171
Tormaridge ff pl.

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1904phae.proj..722B

June 4, 1904.

R Personis

✓ AM1213
9.62 f 1 S 9.72

✓ AM2154
Class C

✓ AM45
P Ktraiba.

✓ AM1407
Class C

✓ AM1495
8.54 d 3 r 8.84 9.02 = 8.93 09 09
9.02 r 3 l 9.32

✓ AM1654
8.54 d 3 r 8.84 9.12 = 8.98 14 14
9.12 r 2 l 9.32

✓ AM1859
7.60 f 3 r 7.90 8.02 = 7.96 06 06
8.02 r 3 l 8.32

✓ AM1072
9.92 g 1 A 10.02

✓ AM1176
9.92 g 1 A 10.02

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1904phae.proj..722B

June 4, 1904.

R Persei

✓ AM 1214
9.62 f 2r 9.82 9.82=9.82 00 00
9.82 2 1 g 9.92

✓ AM 1305
10.42 h 1 St 10.52

✓ AM 1326
9.92 g 1 St 10.02

✓ AM 1398
~~10.42~~ ~~h 4r 2 St~~ ~~10.62 R~~ 9.92 g 2 St 10.12 R

✓ AM 1554
Too much edge ftle

✓ AM 1575
7.08 a 4r 7.48 R
f St

✓ AM 1994
Too much edge ftle

✓ AM 1584
7.60 f 3r 7.90 8.12=8.01 11 11
8.12 r 2 N 8.32

✓ AM 1835
10.80 h 1 St 10.90

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1904phae.proj..722B

June 4, 1904.

R Canonis

✓ AM1959

7.60 f 3 r 7.90 8.02 = 7.96 06 06
8.02 r 2 r 8.32

✓ AM2084

9.32 e 2 r 9.52 9.42 = 9.47 05 05
9.42 r 2 f 9.62

✓ AM128

8.54 d 3 r 8.84 9.12 = 8.98 14 14
9.12 r 2 e 9.32

✓ AM869

7.60 f 3 r 7.90 8.12 = 8.01 11 11
8.12 r 2 r 8.32

✓ AM1435

10.80 e 1 St 10.90

✓ AM2081

Pb trailed

✓ AM1374

9.32 ~~r 2 r 9.52 9.42 = 9.47 05 05~~ 9.62 f 1 St 9.72 ~~R~~ R
~~9.42~~ ~~r 2 f 9.62~~

✓ AM1383

~~9.62~~ ~~f 1 r~~ 9.72 ~~R~~ 10.42 h 1 St 10.52 R
~~f 1 d~~

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1904phae.proj..722B

June 4, 1904.

R Paronis

✓ AM1397
Too near edge of pl

✓ AM1498
8.54 d 3 r 8.84 9.22 = 9.03 19 19
9.22 r 1 e 9.32

✓ AM1640
Near edge of pl
7.60 f 2 r 7.80 8.22 = 8.01 21 21
8.22 r 1 e 8.32

✓ AM1194
Missing

✓ AM1099
Too near edge of pl

✓ AM1653
8.54 d 3 r 8.84 9.02 = 8.93 09 09
9.02 r 3 e 9.32

✓ AM1692
8.54 d 2 r 8.74 9.02 = 8.88 14 14
9.02 r 3 e 9.32

✓ AM1390
Too near edge of film

✓ AM1364
9.92 get 10.12

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1904phae-proj...722B

June 4, 1904

R Paronis

✓ aM1345-
9.32 2 1 A- 9.42

✓ aM63
Pb trailed

✓ aMg32
Pb trailed

✓ aMg38
9.32 2 3 σ 9.62 9.32 - 9.47 15- 15-
9.32 σ 3 f 9.62

✓ aM1036
10.42 h 1 A- 10.52

✓ aM1061
10.42 h 3 σ 10.72 10.70 - 10.71 0i 0i
10.70 σ 7 k 10.80

✓ aM2005-
Too near edge of pl

✓ aM2050
Too near edge of pl

✓ aM2075-
Too near edge of pl.

↓ aM2140
Class a

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1904phae.proj..722B

June 4, 1904.

R Parsons

✓ aM2178
9.62 f2 Ar 9.82

✓ aM2080
Class C

✓ aM2199
9.62 f2 Ar 9.72

✓ aM2209
9.62 f2 Ar 9.82

✓ aM1829
Too near edge of pl

✓ aM1852
Too near edge of pl

✓ aM1862
Too near edge of pl

✓ aM949
Too near edge of pl

✓ aM924
Class C

✓ aM882
Too near edge of pl

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1904phae-proj...722B

June 4, 1904.

R Parsonis.

✓ AM1895
Too near edge of plate

✓ AM1094
8.22 R1 ½ 8.42

✓ AM1093
Too near edge of plate

✓ AM1001
Too near edge of film

✓ AM2288
10.42 h1 ½ 10.52

✓ AM1493
10.80 h2 ½ 10.90

✓ AM1286
10.80 h2 ½ 10.90

✓ AM1260
10.80 h2 ½ 11.0

✓ AM1238
10.42 h2 ½ 10.62

✓ AM1447
10.42 h2 ½ 10.62

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1904phae.proj..722B

June 4, 1904.

R Personis

✓ a m 1460

10.42 h 2 r 10.62 10.60 = 10.61 01 01
10.60 r 2 h 10.80

✓ a m 1471

10.80 h 1 r 10.90

✓ a m 15-30-

8.32 h 1 r 8.42 8.24 = 8.33 09 09
8.24 r 3 d 8.54

✓ a m 15-45-

7.60 h 2 r 7.80 8.02 = 7.91 11 11
8.02 r 3 h 8.32

✓ a m 1225-

Too near edge of pl

✓ a m 1295-

Class E

✓ a m 1333

Too near edge of pl

✓ a m 1351 . . . . g g r g 1 r, 10.0

9.92 g 2 r 10.12 10.22 = 10.17 05 05
10.22 r 2 h 10.42

✓ a m 908

8.54 d 3 r 8.84 8.92 = 8.88 04 04
8.92 r 4 d 9.82

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1904phae.proj..722B

June 4, 1904.

R Parsonis

✓ AM 2900

7.60 f 3 r 7.90 8.12 = 8.01 11 11
8.12 o 2 n 8.32

✓ AM 2017

8.32 c 3 r 8.62 8.34 = 8.48 14 14
8.34 o 2 d 8.54

✓ AM 2046

8.54 d 3 r 8.84 8.92 = 8.88 04 04
8.92 o 4 e 9.32

✓ AM 2053

Class C

✓ AM 787

8.54 d 4 r 8.94 9.02 = 8.98 04 04
9.02 o 3 e 9.32

✓ AM 809

8.54 d 1 r 8.64 8.92 = 8.78 14 14
8.92 o 4 e 9.32

✓ AM 816

7.60 f 3 r 7.90 8.12 = 8.01 11 11
8.12 o 2 n 8.32

✓ AM 853

Class C

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1904phae.proj..722B

June 4 1904.

R Parsonis

✓ AM 2101

9.32 e 2 r 9.52 9.52 = 9.52 00 00
9.52 o 1 f 9.62

✓ AM 2121

9.92 g 3 r 10.22 10.22 = 10.22 00 00
10.22 b 2 h 10.42

✓ AM 2128

9.92 g 3 r 10.22 10.22 = 10.22 00 00
10.22 o 2 h 10.42

✓ AM 2243

10.80 b 2 St 11.0

✓ AM 2267

9.92 g 2 St 10.12

✓ AM 1989

Too near edge of pl.

✓ AM 2024

Too near edge of pl.

✓ AM 2037

8.54 d 3 r 8.84 9.12 = 8.98 14 14
9.12 o 2 e 9.32

✓ AM 2051

Too near edge

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1904phae.proj..722B

June 4, 1904.

R Paronis

✓ AM915-
Class C

✓ AM1210
Too near edge of plate

✓ AM1201
9.32 e r A 9.42

✓ AM1327
9.32 e l A 9.42

✓ AM827
Too near edge of plate

✓ AM2710
7.60 f l r 7.70 8.22 = 7.96 26 26
8.22 r l e 8.32

✓ A1915-
8.54 d 2 r 8.84 9.12 = 8.98 14 14
9.12 r 2 e 9.32

✓ A1978
8.84 d 3 r 8.84 9.12 = 8.98 14 14
9.12 r 2 e 9.32

✓ A3905-
7.60 f 2 r 7.80 8.12 = 7.96 16 16
8.12 r 2 e 8.32

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1904phae.proj..722B

June 4, 1904.

R Paronis

✓ a 5458

8.54 d 3r 8.84 9.02 = 8.93 $\frac{1}{0}9$ 09
9.02 r 3 l 9.32

✓ a 5459

8.54 d 3r 8.84 9.02 = 8.93 $\frac{0}{0}9$ 09
9.02 r 3 l 9.32

✓ a 4581 Sp.

8.54 d 2r 8.74 9.02 8.88 $\frac{1}{0}4$ 14
9.02 r 3 l 9.32

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1904phae.proj..722B

June 11, 1904.

Var. γ Cor. Austr.

18.7.2 – 42°3 (1900)
Comp stars on B22479
AN 2178.

✓ B31578

12.05 m 3 r 12.35 12.17 = 12.26 09 09
12.17 r 2 N 12.37

✓ B31645

12.05 m 3 r 12.35 12.17 = 12.26 09 09
12.17 r 2 N 12.37

✓ B32058

12.05 m 1 r 12.15 12.17 = 12.16 01 01
12.17 r 2 N 12.37

✓ B32352

12.05 m 2 r 12.25 12.17 = 12.21 04 04
12.17 r 2 N 12.37

✓ B31469

12.05 m 2 r 12.25 12.07 = 12.16 09 09
12.07 r 3 N 12.37

✓ B31404

12.05 m 2 r 12.25 12.17 = 12.21 04 04
12.17 r 2 N 12.37

✓ B29253

11.27 h l r 11.37

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1904phae.proj..722B

June 11, 1904.

γ Cor. Austr.

✓ B2945-1

12.37 m2r 12.57 12.40 = 12.51 06 06
12.45 r2 0 12.65

✓ B30288

12.05 m1r 12.15 12.17 = 12.16 01 01
12.17 r2m 12.37

✓ B30298

12.05 m2r 12.25 12.07 = 12.16 09 09
12.07 r3m 12.37

✓ B30360

12.05 m2r 12.25 12.17 = 12.21 04 04
12.17 r2m 12.37

✓ B30362

12.05 m2r 12.25 12.07 = 12.16 09 09
12.07 r3m 12.37

✓ B30363

11.87 l2r 12.07 12.98 = 12.01 06 06
11.95 r1m 12.05

✓ B30500

12.05 m2r 12.25 12.17 = 12.21 04 04
12.17 r2m 12.37

✓ B30645

12.37 m1r 12.47

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1904phae.proj..722B

June 14 1904.

D Bor Auski.

✓ AM 2178

11.27 h 3 r 11.57 11.45 = 11.51 06 06
11.45 r 2 k 11.65

✓ AM 2089

Clark

✓ AM 1545

10.52 e 1 A = 10.62

✓ AM 1223

11.27 h 3 r 11.57 11.45 = 11.51 06 06
11.45 r 2 k 11.65

✓ AM 2261

11.65 k 1 r 11.75 11.77 = 11.76 01 01
11.77 r 1 k 11.87

✓ AM 1994

11.65 k 2 A = 11.83

✓ AM 1374

11.87 k 2 r 12.07 R =
m A =

✓ AM 1353

11.65 k 3 r 11.95 11.77 < 11.86 09 09
11.77 r 1 k 11.87

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1904phae.proj..722B

June 14 1904.

γ Cor. Austr.

✓ AM 5-83-

12.05 m 2 A 12.25

✓ AM 1862

11.02 g 3 r 11.32 11.07 = 11.20 12 13

11.07 b 2 h 11.27

✓ AM 949

11.87 l 2 A 12.07

✓ AM 924

Class C

✓ AM 882

11.87 l 2 r 12.07 R

m A

✓ AM 802

11.87 l 2 A 12.07

✓ AM 2140

Class C

✓ AM 2075

11.02 g 2 A 11.22

✓ AM 2050

11.87 l 2 A 12.07

✓ AM 2005

11.87 l 1 A 11.97

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1904phae.proj...722B

June 14, 1904.

J Gordanski.

✓ AM1640
11.87 l 12 m ± 11.97 R

✓ AM1694
Missing

✓ AM1001
11.87 l 2 r m ± 12.07 R

✓ AM1073
11.87 l 1 ± 11.97

✓ AM1094
11.27 l 1 ± 11.37

✓ AM1345
11.87 l e ± 12.07

✓ AM2084
Re trailer

✓ AM932
Double

✓ AM1333
11.87 l 1 ± 11.97

✓ AM1295
Elan C

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1904phae.proj..722B

June 14 1904.

J Bor. Aush.

✓ AM 908
10.74 f l A = 10.84

✓ AM 1351
11.87 l 1 r 11.97 R =
m A =

✓ AM 1852
11.02 g 2 A = 11.22

✓ AM 1829
11.02 g 2 A = 11.22

✓ AM 2209
11.87 l 2 r 12.07 11.93 = 12.01 06 06
11.93 2 1 m 12.05

✓ AM 2199
11.87 l 1 A = 11.97

✓ AM 1364
11.65 l 2 r 11.85 11.77 = 11.81 04 04
11.77 2 1 l 11.87

✓ AM 1390
11.65 l 3 r 11.95 11.67 = 11.81 14 14
11.67 2 2 l 11.87

✓ AM 1632
11.87 l 1 r 11.97 R =
m A =

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1904phae.proj..722B

γ Bor. Austr.

✓ a m 1653
11.87 l 2 s 12.07

✓ a m 1099
11.27 h 2 g l s 11.87

✓ a m 1460
11.87 l 1 r 11.97 R
m s

✓ a m 1447
11.02 g l s 11.12

✓ a m 1238
11.02 g l s 11.12

✓ a m 1260
11.87 l 3 r 12.17 11.90⁻ = 12.06 11 11
11.90⁻ o l m 12.05⁻

✓ a m 1286
11.87 l 1 r 11.97 R
m s

✓ a m 1423
11.65⁻ h l s 11.75⁻

✓ a m 2298
11.27 h 2 s 11.47

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1904phae.proj..722B

June 14 1904.

γ Cor. Austr.

✓ a M 1061
11.87 l 2 r 12.07 R
on ⏤

✓ a M 1036
11.87 l 1 ⏤ 11.97

✓ a Mg 98
11.87 l 2 r 12.07 R
on ⏤

✓ a M 173
10.74 f 1 ⏤ 10.84

✓ a M 1895
11.65⁻ k 1 ⏤ 11.75⁻

✓ a M 827
11.65⁻ k 2 ⏤ 11.85⁻

✓ a M 1327
11.87 l 1 ⏤ 11.97

✓ a M 1201
11.27 h 1 ⏤ 11.37

✓ a M 1210
11.65⁻ k 1 ⏤ 11.75⁻

✓ a Mg 45⁻
clear

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1904phae.proj.,.722P

June 14, 1904.

γ Cor Austr.

✓ a M 1595

11.27 h 2 r 11.47 11.53 = 11.51 04 04
11.53 r 1 b 11.63

✓ a M 1471

11.87 l 1 t 11.97

✓ a M 1488

Musc pb

✓ a M 1428

Sev exp.

✓ a M 808

11.87 l 1 r 11.97 R
m t

✓ a M 1397

11.87 l 1 t 11.97

✓ a M 1911

11.27 h 1 r 11.37 11.58 = 11.46 09 09
11.53 r 1 b 11.65

✓ a M 1927

11.87 l 1 r 11.97 R
m t

✓ a M 2320

11.87 l 1 t 11.97

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1904phae.proj..722B

June 14 1904.

Y Cor. Austr.

✓ AM 533
10.74 f 1 st 10.84

✓ AM 2154
Clouds

✓ AM 1213
12.05⁻ m 1 st 12.15⁻

✓ AM 1671
11.65⁻ k 1 st 11.75⁻

✓ AM 1002
Pl. trailed

✓ AM 988
11.65⁻ k 2 st 11.85⁻

✓ AM 879
11.87 l 1 v 11.97 R
m st

✓ AM 833
11.87 l 3 v 12.17 11.95⁻ 12.06 11 11
11.95⁻ v 1 m 12.05⁻

✓ AM 2084
11.27 k 2 v 11.47 11.55⁻ 11.51 04 04
11.55⁻ v 1 k 11.65⁻

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1904phae..proj...722P

June 14, 1904

γ Cor. Aust.

✓ AM 1959

11.65⁻ b2r 11.85⁻ 11.77 = 11.81 04 04

11.77 a1k 11.87

✓ AM 1835

11.65⁻ k1A 11.75⁻

✓ AM 1584

10.52 e1A 10.62

✓ AM 6

Purple

✓ AM 7

Pl. trailed

✓ AM 22

10.52 e1A 10.62

✓ AM 145

Pl. trailed

✓ AM 156

10.52 e1A 10.62

✓ AM 163

10.74 f2A 10.94

✓ AM 1675⁻

11.27 h2r 11.47 11.55⁻ = 11.51 04 04

11.55⁻ a1k 11.65⁻

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1904phae.proj..722B

June 14, 1904.

γ Cor. Aust.

✓ AM1854

11.27 h 2 R 11.47

✓ AM2299

11.27 h3r 11.57 11.53 = 11.56 01 01
11.53 2 1 b 11.65

✓ AM2212

11.27 h2r 11.47 11.55 = 11.51 04 04
11.53 2 1 b 11.65

✓ AM2057

11.27 h2r 11.47 11.55 = 11.51 04 04
11.53 2 1 b 11.65

✓ AM2037

12.05 m 1 r 12.15 12.17 = 12.16 01 01
12.17 2 2 m 12.37

✓ AM2024

11.87 l 1r 11.97 R
m R

✓ AM1989

11.65 h 2 r 11.85 R
l R

✓ AM2267

10.52 2 1 R 10.62

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1904phae.proj..722B

June 14 1904.

γ Gor. Aust.

✓ AM 2243

11.65 k2r 11.85 11.67 = 11.76 09 09
11.67 o2l 11.87

✓ AM 2128

11.02 g1 St 11.12

✓ AM 2121

11.87 l3r 12.17 R
m St

✓ AM 468

Rejected

✓ AM 460

11.65 k1 St 11.75

✓ AM 1498

11.87 l3r 12.17 R
m St

✓ AM 2191

11.65 k1r 11.75 11.67 = 11.71 04 04
11.67 o2l 11.87

✓ AM 2177

11.65 k1r 11.75 11.77 = 11.76 01 01
11.77 o1l 11.87

✓ AM 044

11.27 k1 St 11.37

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1904phae.proj..7228

June 14, 1904

Y Gon Aust.

✓ AM631
11.65 k2r 11.85 11.57 = 11.71 14 14
11.57 a3l 11.87

✓ AM2101
11.27 k1f 11.37

✓ AM853
Clan C

✓ AM816
11.65 k1f 11.75

✓ AM809
11.87 l2f 12.07

✓ AM1787
10.74 j1f 10.84

✓ AM869
12.05 m1f 12.15

✓ AM1495
11.02 g1f 11.12

✓ AM2085
11.87 l2r 12.07 11.95 = 12.01 06 06
11.95 r1w 12.05

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1904phae.proj...722B

June 14, 1904.

γ Cor. Austr.

✓ a M 1960

12.05 m r 12.15 R
n t

✓ a M 1952

11.87 l 2 r 12.07 11.95 = 12.01 06 06
11.95 2 1 m 12.05

✓ a M 1917

11.65 l 2 r 11.85 11.67 = 11.76 09 09
11.67 2 1 l 11.87

✓ a M 1470

11.87 l 2 r 12.07 11.95 = 12.01 06 06
11.95 2 1 m 12.05

✓ a M 1461

11.87 l 1 t 11.97

✓ a M 1437

11.65 l 1 t 11.75

✓ a M 1422

11.87 l 2 t 12.07

✓ a M 1404

11.27 l 1 t 11.27

✓ a M 1406

Colan G

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1904phae.proj..722B

June 14, 1904

γ Cor Aust.

✓ aM1278
11.87 l 2 A 12.07

✓ aM1286
11.65 l 1 A 11.75

✓ aM1252
11.87 l 1 A 11.97

✓ aM981
11.87 l 2 A 12.07

✓ aM592
11.65 l 1 A 11.75

✓ aM548
Pl trailed

✓ aM506
10.52 l 1 A 10.62

✓ aM456
11.65 l 1 A 11.75

✓ aM555
10.52 l 2 A 10.72

✓ aM575
Pl trailed

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1904phae.proj...722B

June 14, 1904.

γ Cor. Aust.

✓ AM 499
Usales

✓ AM 475
Class C

✓ AM 426
11.27 h 1 St. 11.37

✓ AM 411
Pl. trailed

✓ AM 366
11.87 l 1 St. 11.97

✓ AM 225
11.65 k 1 St. 11.75

✓ AM 124
11.27 h 2 St. 11.47

✓ AM 89
11.27 he St. 11.47

✓ AM 73
11.27 h 2 St. 11.47

✓ AM 67
Pl. trailed

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1904phae.proj.,7228

June 14 1904.

γ Cor. Austr.

✓ a M960
Pb trailed

a M2054
11.87 l 2r 12.07 11.95 = 12.01 06 06
11.95 2 l m 12.05

✓ a M614
Too near edge.

✓ a M577
Poor in neg. of star

✓ a M538
11.02 g l A 11.12

✓ a M461
11.27 k l A 11.37

✓ a M154
Pb trailed

✓ a M854
Class C

✓ a M856
Class C

✓ a M15
11.87 l l A 11.97

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1904phae.proj...722B

June 14, 1904.

Y Cor. Austr.

✓ a M 93
Poor images

✓ a M 1589
11.27 h l t 11.37

✓ a M 1543
11.27 h l t 11.37

✓ a M 1487
Poor images

✓ a M 2109
11.87 h 2 r 12.07 11.95 : 12.01 06 06
11.95 2 l m 12.05

✓ a M 2129
11.87 h 10 r 11.97 R
m t

✓ a M 2147
11.87 h 2 r 12.07 R
m t

✓ a M 2244
11.87 h 2 t 12.07 R

✓ a M 137
11.87 h l t 11.97

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1904phae.proj..7228

June 14, 1904.

Y Cor. Ursæ.

✓ a m 817
11.87 l 1 σ 11.97 R
m t

✓ a m 427
Pl. trailed

✓ a m 226
11.87 l 1 t 11.97

✓ a m 125
11.87 l 2 σ 12.07 11.95 = 12.01 06 06
11.95 σ 1 m 12.05

✓ a m 107
11.87 l 3 σ 12.17 11.85 = 12.01 16 16
11.85 σ 2 m 12.05

✓ a m 69
Pl. trailed

✓ a m 47
Pl. trailed

✓ a m 907
11.27 l 1 t 11.37

✓ a m 1028
11.87 l 2 t 12.07

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1904phae.proj...722B

June 14 1904.

γ Gor. Aurig.

✓ a M1043
11.65 Li A 11.75

✓ a M798
11.02 g2 A 11.22

✓ a M1491
11.87 Li A 11.97

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1904phae.proj...7228

June 15 1904

Dal. – Serpentis

h m
18 13.6 -15° 39' (1900)

Comp. plate on B28620

✓ B28620

9.08 1 2 r 9.28 9.36 = 9.32 04 04
9.36 r 2 v 9.56

✓ B20450

9.08 1 3 r 9.38 9.36 = 9.37 01 01
9.36 r 2 v 9.56

✓ B20470

9.08 1 3 r 9.38 9.26 = 9.32 06 06
9.26 r 3 v 9.56

✓ B13746

9.08 1 3 r 9.38 9.36 = 9.37 01 01
9.36 r 2 v 9.56

✓ B13747

9.08 1 3 r 9.38 9.36 = 9.37 01 01
9.36 r 2 v 9.56

✓ B15833

9.56 c 2 r 9.76 9.76 = 9.76 00 00
9.76 r 1 d 9.86

✓ B16804

9.08 1 2 r 9.28 9.36 = 9.32 04 04
9.36 r 2 v 9.56

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1904phae_proj...722B

June 15, 1904.

– Serpentis cont.

✓ B 16163

9.56 R1r 9.66 9.66 = 9.66 00 00
9.66 r2d 9.86

✓ B 16414

9.56 R2r 9.76 9.76 = 9.76 00 00
9.76 r1d 9.86

✓ B 17008

9.56 R1r 9.66 9.66 = 9.66 00 00
9.66 r2d 9.86

✓ B 9852

9.08 L2r 9.28 9.46 = 9.37 09 09
9.46 r1L 9.56

✓ B 9849

9.56 R1r 9.66 9.66 = 9.66 00 00
9.66 r2d 9.86

✓ B 9850

9.56 R1r 9.66 9.76 = 9.71 05 05
9.76 r1d 9.86

✓ B 10099 Sp.

9.08 L1r 9.18 9.36 = 9.27 09 09
9.36 r2L 9.56

✓ B 10225

9.56 R1r 9.66 9.66 = 9.66 00 00
9.66 r2d 9.86

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1904phae.proj..7228

June 15, 1904.

– Serpentis cont.

✓ B10224

9.56 a2r 9.76 9.76 = 9.76 00 00
9.76 a1d 9.86

✓ B11352 Sh.
Double Tailed

✓ B11307 Sh.

8.80 a1r 8.90 8.98 = 8.94 04 04
8.98 a1t 9.08

✓ B11363 Sh.

8.80 a2r 9.00 8.88 = 8.94 06 06
8.88 a2t 9.08

✓ B13135 Sh.
Normal edge.

✓ B13454 Sh.

9.56 r1t 9.66

✓ B14744

9.56 r1r 9.66 9.66 = 9.66 00 00
9.66 r2d 9.86

✓ B13802 Sh.

8.80 a1r 8.90 8.88 = 8.89 01 01
8.88 a2t 9.08

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1904phae.proj..722B

June 15, 1904.

– Serpentis cont.

✓ B14038

9.86 d 2 r 10.06 9.92 = 9.99 07 07
9.92 r 2 d 10.12

✓ B14044

9.56 c 1 r 9.66 9.66 = 9.66 00 00
9.66 r 2 d 9.86

✓ B14083

9.56 c 1 r 9.66 9.66 = 9.66 00 00
9.66 r 2 d 9.86

✓ B13757 Sh.

9.08 f 1 r 9.18 9.36 = 9.27 09 09
9.36 r 2 v 9.56

✓ B9851

9.08 f 2 r 9.28 9.36 = 9.32 04 04
9.36 r 2 v 9.56

✓ B8642 Sh.

8.80 a 2 r 9.00 8.88 = 8.94 06 06
8.88 r 2 f 9.08

✓ B13727

9.56 c 1 r 9.66 9.66 = 9.66 00 00
9.66 r 2 d 9.86

✓ B24169 Sh.

8.80 a 2 r 9.00 8.88 = 8.94 06 06
8.88 r 2 f 9.08

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1904phae.proj.7228

June 14th 1904

— Supernova cont.

✓ B24213 Sh.

8.80 a 2 r 9.00 8.98 = 8.99 01 01
8.98 a 1 f 9.08

✓ B27447

9.56 r 2 r 9.76 9.76 = 9.76 00 00
9.76 a 1 d 9.86

✓ B26115

9.56 r 2 r 9.76 9.76 = 9.76 00 00
9.76 a 1 d 9.86

✓ B26386.

9.08 f 2 r 9.28 9.36 = 9.32 04 04
9.36 a 2 r 9.56

✓ B6532 Sh.

Poor impression.

✓ B21257 Sh.

8.80 a 2 r 9.00 8.88 = 8.94 06 06
8.88 a 2 f 9.08

✓ B21285

9.08 f 3 r 9.38 9.26 = 9.32 06 06
9.26 a 3 n 9.56

✓ B21312

9.08 f 1 r 9.18 9.36 = 9.27 09 09
9.36 a 2 n 9.56

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1904phae.proj...722B

June 15, 1904.

-Serpentis cont-

✓ B21518

9.56 c1r 9.66 9.76 = 9.71 05 05
9.76 c1d 9.86

✓ B21782 Sh-

8.80 c2r 9.00 8.88 = 8.94 06 06
8.88 c2d 9.08

✓ B22007

9.56 c1r 9.66 9.76 = 9.71 05 05
9.76 c1d 9.86

✓ B22093

9.08 f3r 9.38 9.36 = 9.37 01 01
9.36 c2c 9.56

✓ L1254
Pamph

✓ L1720
Pamph

✓ B22702

9.08 f3r 9.28 9.36 = 9.32 04 04
9.36 c2c 9.56

✓ B22797

9.56 c2r 9.76 9.66 = 9.71 05 05
9.66 c2d 9.86

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1904phae.proj..722B

June 15 1904.

— Serpentis cont.

✓ B22982 Ph.
Pl trailed.

✓ B2 3025 Ph.

9.08 1 2r 9.28 9.36 = 9.32 04 04
9.36 2 2v 9.56

✓ B2 3129

9.08 1 1r 9.18 9.36 = 9.27 09 09
9.36 2 2v 9.56

✓ B2 3282 —

9.56 1 1r 9.66 9.66 = 9.66 00 00
9.66 2 2d 9.86

✓ B23694

9.08 1 2r 9.28 9.46 = 9.37 09 09
9.46 2 1v 9.56

✓ B24343

9.08 1 3r 9.38 9.36 = 9.37 01 01
9.36 2 2v 9.56

✓ B25-346

9.08 1 2r 9.28 9.46 = 9.37 09 09
9.46 2 1v 9.56

✓ B25-523

9.56 1 2r 9.76 9.66 = 9.71 05 05
9.66 2 2d 9.86

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1904phae.proj...722B

June 13, 1904.

Serpentis cont.

✓ B 14392 Sp.

9.08 1 1 9.18

✓ B 14619 Sp.

8.80 a 2 r 9.00 8.88 = 8.94 06 06

8.88 r 2 1 9.08

✓ B 14620 Sp.

9.08 1 2 r 9.18 9.36 = 9.27 09 09

9.36 r 2 c 9.56

✓ L 16990

9.08 1 2 r 9.28 9.36 = 9.32 04 04

9.36 r 2 c 9.56

✓ B 17448

9.08 1 2 r 9.38 9.36 = 9.37 01 01

9.36 r 2 c 9.56

✓ B 17285 Sp.

9.08 1 2 r 9.28 9.36 = 9.32 04 04

9.36 r 2 c 9.56

✓ B 19243

9.56 c 2 r 9.76 9.76 = 9.76 00 00

9.76 a 1 d 9.86

✓ B 19327

9.08 1 2 r 9.28 9.46 = 9.37 09 09

9.46 r 1 c 9.56

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1904phae.proj,.722B

June 15, 1904.

– Serpentis cont.

✓ B 20206 Sp.

8.80 a2r 9.00 8.98 = 8.99 01 01
8.98 r1t 9.08

✓ B 8547 Sp.

8.80 a2r 9.00 8.88 = 8.94 06 06
8.88 r2t 9.08

✓ B 8552

9.56 t2r 9.76 9.66 = 9.71 05 05
9.66 r2d 9.86

✓ B 8761 Sp.
Double

✓ B 8764 Sp.

9.08 t1r 9.18 9.46 = 9.32 14 14
9.46 r1N 9.56

✓ B 8770

9.08 t2r 9.28 9.36 = 9.32 04 04
9.36 r2N 9.56

✓ B 27167

9.56 t2r 9.76 9.66 = 9.71 05 05
9.66 r2d 9.86

✓ B 603
Double

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1904phae.proj...722B

June 16, 1904.

-Serpentis.

✓ B23664

9.56 r 2r 9.76 9.66 = 9.71 05 05
9.66 r 2d 9.86

✓ B8251 Sp.

Toonal rower.

✓ B16570

9.56 r 2r 9.76 9.76 = 9.76 00 00
9.76 r 1d 9.86

✓ B21551

9.08 t 3r 9.38 9.36 = 9.37 01 01
9.36 r 2r 9.56

✓ B17650

9.08 t 1r 9.18 9.36 = 9.27 09 09
9.36 r 2r 9.56

✓ B7692

9.56 p 2r 9.76 9.76 = 9.76 00 00
9.76 r 1d 9.86

✓ B25879

9.08 t 3r 9.38 9.36 = 9.37 01 01
9.36 r 2r 9.56

✓ B25391

9.08 t 2r 9.28 9.46 = 9.37 09 09
9.46 r 1r 9.56

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1904phae.proj..722B

June 16, 1904.

– Serpentis cont.

✓ B27409

9.08 t3r 9.38 9.36 = 9.37 01 01
9.36 r2K 9.56

✓ B28231

9.56 K2r 9.76 9.76 = 9.76 00 00
9.76 r1d 9.86

✓ B28180

9.08 t2r 9.28 9.36 = 9.32 04 04
9.36 r2K 9.56

✓ B27628

9.08 t2r 9.28 9.36 = 9.32 04 04
9.36 r2K 9.56

✓ B29530

9.08 t2r 9.28 9.36 = 9.32 04 04
9.36 r2K 9.56

✓ B29526

9.08 t2r 9.28 9.26 = 9.27 01 01
9.26 r2K 9.56

✓ B29525

9.08 t3r 9.38 9.36 = 9.37 01 01
9.36 r2K 9.56

✓ B30643

9.56 K2r 9.76 9.56 = 9.66 10 10
9.56 r2d 9.86

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1904phae.proj...722B

June 16, 1904.

-Serpentis cont.

✓ B20077

9.08 t2r 9.28 9.26 = 9.27 01 01
9.26 r3v 9.36

✓ B32334

9.86 d1r 9.96 9.92 = 9.94 02 02
9.92 r2v 10.12

✓ B32318

9.56 v1r 9.66 9.76 = 9.71 05- 05-
9.76 r1d 9.86

✓ B31895-

9.08 t3r 9.38 9.46 = 9.42 04 04
9.46 r1v 9.56

✓ B32355-

9.08 t1r 9.18 9.36 = 9.27 09 09
9.36 r2v 9.56

✓ B32626

9.08 t3r 9.38 9.26 = 9.32 06 06
9.26 r2v 9.56

✓ B4159

9.08 t3r 9.38 9.36 = 9.37 01 01
9.36 r2v 9.56

✓ B6136

9.86 d2r 10.06 9.92 = 9.99 07 07
9.92 r2v 10.12

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1904phae.proj..722B

June 16, 1904.

– Serpentis cont=

✓ B6137

9.08 t 3 r 9.38 9.46 = 9.42 04 04
9.46 a 1 N 9.56

✓ B7693

9.08 t 3 r 9.38 9.36 = 9.37 01 01
9.36 a 2 N 9.56

✓ B7703 Sh.
Poor image.

✓ B7730 Sh.

9.08 t 1 r 9.18 9.36 = 9.27 09 09
9.36 a 2 N 9.56

✓ B7720 Sh.

9.08 t 1. t 9.18

✓ B8293 Sh.

8.80 a 1 r 8.90 8.88 = 8.89 01 01
8.88 a 2 t 9.08

✓ B8303 Sh.

8.80 a 3 r 9.10 8.88 = 8.99 11 11
8.88 a 2 t 9.08

✓ B8410 Sh.

8.80 a 1 r 8.90 8.98 = 8.94 04 04
8.98 a 1 t 9.08

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1904phae.proj...722B

June 16, 1904.

– Serpentis

✓ B13463 Sp.

8.80 a 2r 9.00 8.88 = 8.94 06 06
8.88 a 2 l 9.08

✓ B13379

9.86 d 2r 10.06 9.92 - 9.99 07 07
9.92 a 2 l 10.12

✓ B9483 Sp.

8.80 a 1r 8.90 8.88 = 8.89 01 01
8.88 a 2 l 9.08

✓ L1664 Sp.
Poor in reg. of occ.

✓ L1624 Sp.
Poor in reg. of occ.

✓ L1538
f 2r 9.38 9.26 = 9.32 06 06
9.08 a 2 l 9.56

✓ L1362?
Poor pic

✓ L8708 Sp.
Poor in reg.

✓ BL 11155 Sp.
Poor in reg.

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1904phae.proj - 7228

June 16, 1904.

— Serpentis cont.

✓ Q 11234 Sh.

8.80 a 1r 8.90 8.88 = 8.89 01 01
8.88 a 2t 9.08

✓ Q 11223 Sh.

8.80 a 1r 8.90 8.98 = 8.94 04 04
8.98 a 1t 9.08

✓ Q 23514 Sh.

8.80 a 1r 8.90 8.88 = 8.89 06 01 01
8.88 a 2t 9.08

✓ Q 25585 Sh.

Poor plate in ultra violet

✓ Q 23603 Sh.

8.80 a 2r 9.00 8.98 = 8.99 01 01
8.98 a 1t 9.08

✓ B 672 Sh.

Poor plate

✓ B 2452

9.08 t 3r 9.38 9.36 = 9.37 01 01
9.36 r 2v 9.06

✓

✓ B 2523

9.86 d 1r 9.96 9.92 = 9.94 02 02
9.92 a 2v 10.12

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1904phae.proj...722B

June 16 1904.

— Serpentis cont.

✓ B2922 Sh.
Poor pl

✓ B2923 Sh.
Poor pl

✓ B3994
9.08 f 2r 9.28 9.36 = 9.32 04 04
9.36 o 2 c 9.56

✓ B3753
9.56 c 2 r 9.76 9.66 = 9.71 05 05
9.66 o 2 d 9.86

✓ B3739
9.56 c 1 r 9.66 9.66 = 9.66 00 00
9.66 o 2 d 9.86

✓ B4027
9.08 f 2 r 9.28 9.46 = 9.37 09 09
9.46 o 1 c 9.56

✓ B5457 Sh.
Poor in Milky Way.

✓ AM 1524
9.08 f 2 r 9.28 9.36 = 9.32 04 04
9.36 o 2 N 9.56

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1904phae.proj..722B

June, 16, 1904.

– Serpentis cont.

✓ AM 1554

9.56 c2 A 9.76

✓ AM 1918

9.56 c2 r 9.76 9.76 = 9.76 00 00
9.76 r1 d 9.86

✓ AM 1953

9.56 c1 r 9.66 9.76 = 9.71 03 03
9.76 r1 d 9.86

✓ AM 1961

9.56 c2 r 9.76 9.76 = 9.76 00 00
9.76 r1 d 9.86

✓ AM 2110

9.86 d1 r 9.96 9.92 = 9.94 02 02
9.92 r2 e 10.12

✓ AM 2119

9.56 c1 r 9.66 9.76 = 9.71 03 03
9.76 r1 d 9.86

✓ AM 2137

9.56 c1 r 9.66 9.76 = 9.71 03 03
9.76 r1 d 9.86

✓ AM 2245

9.86 d2 r 10.06 9.82 = 9.94 12 12
9.82 r3 e 10.12

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1904phae.proj...722B

June 16, 1904

- Serpentis cont.

✓ AM 2260

9.86 d 2 r 10.06 9.82 = 9.94 12 12
9.82 r 3 e 10.12

✓ AM 2279

9.56 e 2 r 9.76 9.76 = 9.76 ~~00 00~~
9.76 r 1 d 9.86

✓ AM 897

9.86 d 2 r 10.06 9.92 = 9.99 07 07
9.92 r 2 e 10.12

✓ AM 818

9.56 e 1 r 9.66 9.66 = 9.66 ~~00 00~~
9.66 r 2 d 9.86

✓ AM 800

9.86 d 2 r 10.06 10.02 = 10.04 02 02
10.02 r 1 e 10.12

✓ AM 153

9.86 d 1 r 9.96 10.02 - 9.99 03 03
10.02 r 1 e 10.12

AM 402
Misc Jpc

✓ AM 28

9.56 e 2 r 9.76 9.66 = 9.71 05 05
9.66 r 2 d 9.86

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1904phae.proj..722B

June 16, 1904.

– Serpentis

✓ a M 16

9.86 d 2 r 10.06 10.02 = 10.04 02 02
10.02 r 1 l 10.12

✓ a C 4923

9.86 d 2 r 10.06 9.92 = 9.99 07 07
9.92 r 2 l 10.12

✓ a C 4864

9.86 d 3 r 10.16 9.92 = 10.04 12 12
9.92 r 2 l 10.12

✓ a C 3899

9.56 r 1 A_2 9.66

✓ a C 3889

9.08 l 1 A_2 9.18

✓ a C 3812

9.86 d 2 i_2 q 10.06

✓ a C 3787

9.56 r 1 r 9.66 9.76 = 9.71 05 05
9.76 r 1 d 9.86

✓ a C 3725

9.56 r 1 r 9.66 9.76 = 9.71 05 05
9.76 r 1 d 9.86

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1904phaer.proj...722B

June 16, 1904.

— Serpentis

✓ AC3693

9.56 c2r 9.76 9.76 = 9.76 00 00
9.76 a1d 9.86

✓ AC3697

Poor in mg.

✓ AM802

9.86 d2r 10.06 9.82 = 9.94 12 12
9.82 a3l 10.12

✓ AM2261

9.56 c2r 9.76 9.76 = 9.76 00 00
9.76 a1d 9.86

✓ AM808

9.56 c1r 9.66 9.66 = 9.66 00 00
9.66 a2d 9.86

✓ AC2503

Poor pl.

✓ AC2815

9.86 d1r 9.96 K
e1

✓ AC2788

Poor in mg.

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1904phae.proj..722

June 16, 1904.

– Serpentis

✓ a Cl 2771

9.56 c 1 r 9.66

✓ a Cl 2673

9.56 c 2 r 9.76 R
d r

✓ a Cl 2625 –
Ser. eff.

✓ a Cl 2553

9.56 c 2 r 9.76 9.76–9.76 00 00
9.76 c 1 d 9.86

✓ a Cl 2485 –
Poor fl.

✓ a Mg 31
. Pl trailed

✓ a M 1021

9.86 d 2 r 10.06 9.82–9.94 12 12
9.82 c 3 l 10.12

✓ a M 1051

9.86 d 2 r 10.06 9.82–9.94 12 12
9.82 c 3 l 10.12

✓ a M 1237

9.86 d 2 r 10.06 9.82–9.94 12 12
9.82 c 3 l 10.12

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1904phae.proj...722B

June 16, 1904.

-Serpentis

✓ AM 1251
9.86 d 3 r 10.16 9.92 = 10.04 12 12
9.92 r 2 l 10.12

✓ AM 1270
9.86 d 2 r 10.06 9.82 = 9.94 12 12
9.82 r 3 l 10.12

✓ AM 1287
9.86 d 3 r 10.16 9.82 = 9.99 17 17
9.82 r 3 l 10.12

✓ AM 1424
9.86 d 3 r 10.16 9.82 = 9.99 17 17
9.82 r 3 l 10.12

✓ AM 1436
9.86 d 2 r 10.06 9.82 = 9.94 12 12
9.82 r 3 l 10.12

✓ AM 1448
9.86 d 3 r 10.16 9.82 = 9.99 17 17
9.82 r 3 l 10.12

✓ AM 1483
9.86 d 2 r 10.06 9.82 = 9.94 12 12
9.82 r 3 l 10.12

✓ AM 1489
9.86 d 3 r 10.16 9.82 = 9.99 17 17
9.82 r 3 l 10.12

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1904phae.proj..7228

June 16, 1904.

- Serpentis cont

✓ a m 1542

9.56 c 2 r 9.76 9.66 = 9.71 05 05
9.66 r 2 d 9.86

✓ a m 1546

9.08 f 2 r 9.28 9.46 = 9.37 09 09
9.46 r 1 c 9.56

✓ a m 1553

9.86 d 2 r 10.06 9.82 = 9.94 12 12
9.82 r 3 e 10.12

✓ a m 154
Pl trailed

✓ a m 461

9.08 f 2 r 9.28 9.46 = 9.37 09 09
9.46 r 1 c 9.56

✓ a m 538

9.56 c 1 r 9.66 9.56 = 9.61 05 05
9.56 r 2 d 9.86

✓ a m 577

9.08 f 1 r 9.18 9.36 = 9.27 09 09
9.36 r 2 c 9.56

✓ a m 614

9.56 c 2 r 9.76 9.66 = 9.71 05 05
9.66 r 2 d 9.86

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1904phae.proj...722B

June 16, 1904.

—Serpentis

✓ AM 1406
Clarke

✓ AM 1278

9.56 r 2 r 9.76 9.56 = 9.66 10 10
9.56 r 3 d 9.86

✓ AM 1236

9.86 d 3 r 10.16 9.82 = 9.99 17 17
9.82 r 3 d 10.12

✓ AM 1252

9.56 d 2 r 9.76 9.76 = 9.76 00 00
9.76 r 1 d 9.86

✓ AM 2085

9.56 c 1 r 9.66 9.66 = 9.66 00 00
9.66 r 2 d 9.86

✓ AM 1960

9.56 c 1 r 9.66 9.66 = 9.66 00 00
9.66 r 2 d 9.86

✓ AM 1952

9.86 d 2 r 10.06 9.82 = 9.94 12 12
9.82 r 3 d 10.12

✓ AM 1917

9.56 c 2 r 9.76 9.66 = 9.71 05 05
9.66 r 2 d 9.86

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1904phae.proj..722

June 16, 1904.

— Serpentis

✓ aM 1470

9.86 d 1r — 9.96 9.82 = 9.89 07 07
9.82 r 3 l 10.12

✓ aM 1461

9.08 f 3r — 9.38 9.36 = 9.37 01 01
9.36 r 2 v 9.56

✓ aM 1437

9.86 d 2r — 10.06 9.82 = 9.94 12 12
9.82 r 3 l 10.12

✓ aM 1422

9.86 d 2r — 10.06 9.82 = 9.94 12 12
9.82 r 3 l 10.12

✓ aM 1414

9.86 d 3r — 10.16 9.82 = 9.99 17 17
9.82 r 3 l 10.12

✓ aM 566

9.08 f 2r — 9.28 9.46 = 9.37 09 09
9.46 r 1 v 9.56

✓ aM 539

9.56 g 1r — 9.66 9.66 = 9.66 00 00
9.66 r 2 d 9.86

✓ aE 2599

Poor im pg.

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1904phae_proj...722B

June 16, 1904

–Serpentis

✓ aM798

9.56 c3o 9.86 9.66=9.76 10 10
9.66 o2d 9.86

✓ aM817

9.86 d3o 10.16 9.72=9.94 22 22
9.72 o4e 10.12

✓ aM137

9.86 d3o 10.16 9.82=9.99 17 17
9.82 o3e 10.12

✓ aM2244

9.86 d3o 10.16 9.72=9.94 22 22
9.72 o4e 10.12

✓ aM2147

9. "br. then "e" (and 4th. than "g")
9.86 d3o 10.16 9.82=9.99 17 17
9.82 o3e 10.12

✓ aM2129

9.86 d3o 10.16 9.82=9.99 17 17
9.82 o3e 10.12

✓ aM2109

9.86 d3o 10.16 9.82=9.99 17 17
9.82 o3e 10.12

✓ aM1487

9.56 c2o 9.76 9.66=9.71 05 05
9.66 o2d 9.86

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1904phae.proj..722

June 16, 1904.

– Serpentis

✓ AM 1543

9.86 d 2 r 10.06 9.82 = 9.94 12 12
9.82 r 3 e 10.12

✓ AM 1043

9.86 d 3 r 10.16 9.82 = 9.99 17 17
9.82 r 3 e 10.12

✓ AM 1028

9.86 d 3 r 10.16 9.82 = 9.99 17 17
9.82 r 3 e 10.12

✓ AM 907

9.86 d 3 r 10.16 9.82 = 9.99 17 17
9.82 r 3 e 10.12

✓ AM 1589

9.86 d 3 r 10.16 9.72 = 9.94 22 22
9.72 r 4 e 10.12

✓ AM 33

Poor image

✓ AM 15

9.86 d 3 r 10.16 9.92 = 10.04 12 12
9.92 r 2 e 10.12

✓ AM 856

Clear

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1904phae.proj..722B

June 16, 1904

– Serpentis

✓ aM 854
Class C.

✓ aM 1010

9.56 c1 – 9.66 9.66 = 9.66 00 00
9.66 c2 d 9.86

aC 869
Pl. trailed.

✓ aC 1588
Poor pl.

aC 1589
Poor pl.

aC 1590
Poor pl.

aC 1591
Poor pl.

aC 1592
Poor pl.

Poor. ✓ aC 1522

9.56 c1 – 9.66 9.76 = 9.71 05 – 05
9.76 c1 d 9.86

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1904phae.proj..722B

June 16, 1904.

– Serpentis

✓ aE 15-18
Pl trailed

✓ aE 15-17
Pl trailed

✓ aM 797

9.86 d 2 r 10.16 9.72 = 9.94 22 22
9.72 r 4 e 10.12

✓ aM 1454

9.86 d 2 r 10.06 9.82 = 9.94 12 12
9.82 r 3 e 10.12

✓ aM 2280

9.86 d 2 r 10.06 9.82 = 9.94 12 12
9.82 r 3 e 10.12

✓ aE 15-11

9.86 d 2 r 10.06 9.82 = 9.94 12 12
9.82 r 3 e 10.12

✓ aE 1461

9.86 d 3 r 10.16 9.82 = 9.99 17 17
9.82 r 3 e 10.12

✓ aE 1019

9.56 e 2 r 9.76 9.76 = 9.76 o o o
9.76 r 1 d 9.86

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1904phae..proj..722B

June 18, 1904.

- Serpentis

✓ a Cg29
Poor in neg. of rec.

✓ a Cg10
Poor pl.

✓ a Cg855
9.56 r 2 r 9.76 9.66 = 9.71 05 05
9.66 r 2 d 9.86

✓ a Cg843
9.86 d 2 l 10.06

✓ a Cg780
9.86 d 3 r 10.16 9.92 = 10.04 12 12
9.92 r 2 e 10.12

✓ a Cg360
9.56 e 2 r 9.76 9.66 - 9.71 05 05
9.66 r 2 d 9.86

✓ a Cg325
Poor pl.

✓ a M 1323
9.86 a 3 r 10.16 9.92 = 10.04 12 12
9.92 e 2 e 10.12

✓ a M 1336
9.56 e 2 r 9.76 9.66 - 9.71 05 05
9.66 r 2 d 9.86

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1904phae.proj..722B

June 18, 1904.

-Serpentis

✓ a m 1297

9.86 d 2 r 10.06 10.02 = 10.04 02 02

10.02 r 1 d 10.12

✓ a m. 1226

9.86 d 3 r 10.16 9.82 = 9.99 17 17

9.82 r 3 d 10.12

✓ a m 1203

9.86 d 2 r 10.06 9.82 = 9.94 12 12

9.82 r 3 d 10.12

✓ a m 1191

9.56 r 2 r 9.76 9.76 = 9.76 00 00

9.76 r 1 d 9.86

✓ a m 1594

9.86 d 3 r 10.16 9.82 = 9.99 17 17

9.82 r 3 d 10.12

✓ a m 888

9.86 d 3 r 10.16 9.72 = 9.94 22 22

9.72 r 4 d 10.12

✓ a m 1523

9.86 d 3 r 10.16 9.82 = 9.99 17 17

9.82 r 3 d 10.12

✓ a m 1522

9.86 d 3 r 10.16 9.72 = 9.94 22 22

9.72 r 4 d 10.12

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1904phae.proj...722B

June 18, 1904.

— Serpentis

✓ AM 1492

9.86 d 3r 10.16 9.82 = 9.99 17 17
9.82 r 3 e 10.12

✓ AM 1384

9.86 d 2r 10.06 9.82 = 9.94 12 12
9.82 r 3 e 10.12

✓ AM 959

9.86 d 3r 10.16 9.92 = 10.04 12 12
9.92 r 2 e 10.12

✓ AE 1527

9.86 d 2r 10.06 9.82 = 9.94 12 12
9.82 r 3 e 10.12

✓ AM 875

9.56 p 1r 9.66 9.66 = 9.66 00 00
9.66 r 2 d 9.86

✓ AM 868

9.56 p 2r 9.76 9.56 = 9.66 10 10
9.56 r 3 d 9.86

✓ AM 850

9.86 d 2r 10.06 9.82 = 9.94 12 12
9.82 r 3 e 10.12

✓ AM 835

9.56 p 2r 9.76 9.56 = 9.66 10 10
9.56 r 3 d 9.86

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1904phae.proj..722B

June 18, 1904.

— Serpentis

✓ a M 685

9.86 d 3 r 10.16 9.82 = 9.99 17 17
9.82 r 3 e 10.12

✓ a M 5-11

Poor images

✓ a M 239

9.86 d 3 r 10.16 9.92 = 10.04 12 12
9.92 r 2 e 10.12

✓ a M 204

9.86 d 3 r 10.16 9.82 = 9.99 17 17
9.82 r 3 e 10.12

✓ a M 87

9.86 d 3 r 10.16 9.82 = 9.99 17 17
9.82 r 3 e 10.12

✓ a M 75

9.86 d 3 r 10.16 9.72 = 9.94 22 22
9.72 r 4 e 10.12

✓ a M 2325

9.56 p 2 r 9.76 9.76 = 9.76 00 00
9.76 r 1 d 9.86

✓ a M 2200

9.56 p 2 r 9.76 9.76 = 9.76 00 00
9.76 r 1 d 9.86

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1904phae.proj...722B

June 18, 1904.

– Serpentis

✓ aM 2184

9.86 d 2 r 10.06 9.82 = 9.94 12 12

9.82 r 3 e 10.12

✓ aM 2142

9.56 e 2 r 9.76 9.76 = 9.76 ∞ r

9.76 r 1 d 9.86

✓ aM 2072

9.86 d 2 r 10.06 9.82 = 9.94 12 12

9.82 r 3 e 10.12

✓ a C 1675

9.86. d 2 ~ 10.06

✓ aM 61

Poor image

✓ a C 1598

Poor pl

a C 1594

Poor pl

a C 1595

Poor pl

a C 2531

Poor pl

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1904phae.proj..722B

June 18, 1904.

– Serpentis

AC 2645
Poor pl

✓ AM 2052
9.86 d 3 r 10.16 9.82 = 9.99 17 17
9.82 r 3 e 10.12

✓ AM 1993
9.86 d 3 r 10.16 9.72 = 9.94 22 22
9.72 r 4 e 10.12

✓ AM 1887
9.86 d 2 r 10.06 9.82 = 9.94 12 12
9.82 r 2 e 10.12

✓ AM 1874
9.56 e 2 r 9.76 9.66 = 9.71 05 05
9.66 r 2 d 9.86

✓ AM 1681
9.56 e 2 r 9.76 9.66 = 9.71 05 05
9.66 r 2 d 9.86

✓ AM 116
Poor pl

✓ AM 46
Poor pl

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1904phae.proj...722B

June 18, 1904.

— Serpentis.

✓ aM 68
Poor image

✓
9.86 aM 104
~~8.98~~ d 3 r ~~9.28~~ 10.16 9.72 = 9.94 22 22
9.72 r 4 d 10.12

✓ aC 1840
9.56 d 2 r 9.76 9.76 = 9.76 00 00
9.76 r 1 d 9.86

✓ aC 1722
9.86 d 2 r 10.06
e A

✓ aC 1780
Poor in reg.

✓ aC 1828
Poor pl.

✓ aC 4914
Poor in reg. of sec.

✓ aC 2-68
Poor pl.

✓ aC 2612
9.56 d 2 r 9.76 9.66 = 9.71 05 05
9.66 r 2 d 9.86

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1904phae.proj..722B

June 18, 1904.

Serpentis

✓ AC 2655

9.86 d 3 r 10.16 9.72 = 9.94 22 22

9.72 r 4 e 10.12

✓ AC 2691

9.86 d 3 r 10.16 9.72 = 9.94 22 22

9.72 r 4 e 10.12

✓ AC 2715

9.56 e 2 r 9.76 9.66 = 9.71 05 05

9.66 r 2 d 9.86

✓ AC 2778

9.86 d 3 r 10.16 9.82 = 9.99 17 17

9.82 r 3 e 10.12

✓ AC 2837

Poor in reg.

✓ AC 2847

Poor in reg.

✓ AC 2918

9.86 d 2 r 10.06 9.82 = 9.94 12 12

9.82 r 2 e 10.12

✓ AC 2961

Poor in reg.

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1904phae.proj..722B

June 18, 1904.

— Serpentis

✓ aC 3601
Poor plate

✓ aC 3702
9.56 β2 r 9.76 9.66 = 9.71 05 05
9.66 r 2d 9.86

✓ aC 3836
9.08 f 2 r 9.38 9.46 = 9.42 04 04
9.46 r 1 C. 9.56

✓ aC 3837
9.56 e 1 r 9.66 9.76 = 9.71 05 05
9.76 r 1 d 9.86

✓ aC 3935
9.56 e 1 St 9.66

✓ aC 471
9.08 f 1 St 9.18

✓ aC 868
Plate faulty

✓ aC 1462
9.86 d 3 r 10.16 9.82 = 9.99 17 17
9.82 r = C 10.12

✓ aC 1501
Poor plate

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1904phae.proj..722

June 18, 1904.

– Serpentis

✓ a Ce 1542
9.08 H I A = 9.18

✓ a Ce 1618
9.86 d 3 r 10.16 9.82 = 9.99 17 17
9.82 r 3 e 10.12

✓ a Ce 1633
9.56 n 2 r 9.76 9.66 = 9.71 05 05
9.66 r 2 d 9.86

✓ a Ce 1699
Poor pl.

✓ a Ce 377
Poor pl.

✓ a Ce 83-8
9.86 d 3 r 10.16 9.72 = 9.94 22 22
9.72 r d e 10.12

✓ a Cg 36
Poor pl.

✓ a Cg 63
Poor in reg.

✓ Posch. a C 1473
Poor pl.

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1904phae.proj..722B

June 18, 1904.

— Serpentis

✓ a Ac 1859
9.56 c1 ± 9.66

✓ a Ac 1821
9.56 c1 ± 9.66

✓ a Ac 1781
Poorpl.

✓ a Ac 1749
9.08 r2 ± 9.28

✓ a Ac 1730
9.56 c1 r 9.66 9.66=9.660000
9.66 r2 d 9.86

✓ a Ac 1692
Poorpl.

✓ a Ac 1624
Poorpl.

✓ a Ac 1621
Poorpl.

✓ a Ac 1606
Poorpl.

✓ a Ac 1584
Poorpl.

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1904phae.proj..722B

June 18, 1904.

— Serpentis

✓ A.G. 1571

9.86 d 1r 9.96 9.92 = 9.94 02 02
9.92 r 2e 10.12

✓ Lpsch. A.G. 1546

9.86 d 3r 10.16 9.92 = 10.04 12 12
9.92 r 2e 10.12

✓ A.M. 2034

9.86 d 3r 10.16 9.82 = 9.99 17 17
9.82 r 3e 10.12

✓ A 803

9.08 f 3r 9.38 9.36 = 9.37 01 01
9.36 r 2 f 9.56

✓ A 2652

9.08 f 1r 9.18 9.46 = 9.32 14 14
9.46 r 1f 9.56

✓ A 2656

9.56 c 1r 9.66 9.76 = 9.71 05 05
9.76 r 1d 9.86

✓

✓ A 4044 A.M. 1428

9.56 c 2r 9.76 9.66 = 9.71 05 05 9.86 d 3r 10.16 9.82 = 9.99 17 17
9.66 r 2d 9.86 9.82 r 3e 10.12

✓ A.M. 1574

9.56 c 2r 9.76 9.66 = 9.71 05 05
9.66 r 2d 9.86

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1904phae..proj...722B

June 27, 1904.

T Telescopii

$18^h\ 17^m.0 - 49^\circ\ 43'$ (1875)

Comp. plate marked on 4 AM 1959

✓ B27153

Too near edge

✓ B27444

12.56 r1 Ap 12.66

✓ B27436

12.56 r1 Ap 12.66

✓ B27413

12.66 p.1 Ap 12.76

✓ B27382

Surface

✓ B26234

Too near edge

✓ B26118

11.49 m.1 Ap 11.59

✓ B27872

Surface

✓ B27846

11.21 l2 r 11.41 11.29 = 11.35 ö6 ö6

11.29 r2 m 11.49

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1904phae.proj..722B

June 27, 1904.

T Telescopii cont.

✓ B27594
11.21 l.1 ⁂ 11.31

✓ B28623.
12.41 q.1 ⁂ 12.57

✓ B30362
11.49 m.1 ⁂ 11.59

✓ B29988
12.66 p.1 ⁂ 12.76

✓ B29606
12.41 q 2r 12.61 12.46 = 12.54 07 08
12.46 r 1 2 12.56

✓ B29532
11.49 m.1 ⁂ 11.59

✓ B29488
12.41 q 1r 12.57 12.46 = 12.48 03 02
12.46 r 1 2 12.56

✓ B31732
Too near edge

✓ B31864
11.91 02 ⁂ 12.11

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1904phae..proj..722B

June 27, 1904.

T Telescopii cont.

✓ B31954
Too near edge

✓ B32351
12.41 q 1 r 12.51 12.36 = 12.44 07 08
12.36 s 2 r 12.56

✓ B32545
11.91 01 r 12.01 11.99 = 12.00 01 01
11.99 02 r 12.19

✓ B32629
12.56 21 A 12.66

✓ AM 1959
12.41 q 1 A 12.51

✓ AM 2243
11.21 l 1 A 11.31

✓ AM 2084
11.91 01 A 12.01

✓ AM 2101
11.21 l 2 A 11.41

✓ AM 2121
11.91 01 r 12.01 R
R

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1904phae.proj..722B

June 27, 1904.

T Telescopii

✓ AM 2128
11.21 l 1 ft 11.31

✓ AM 2288
11.91 0.1 ft 12.01

✓ AM 2267
10.14 g 1 ft 10.24

✓ AM 1835
10.71 k 1 ft 10.61

✓ AM 1584
10.14 g 1 ft 10.24

✓ AM 1545
9.74 f 2 ft 9.94

✓ AM 1535
11.49 m 1 ft 11.59

✓ AM 1471
11.91 0.1 ft 12.01

✓ AM 1460
11.91 0.1 ft 12.01

✓ AM 1447
10.71 k 1 ft 10.81

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1904phae.proj..722B

June 27, 1904.

I Telescopii cont.

✓ AM 1423
11.21 l 1 S 11.31

✓ AM 1286
11.71 m 1 S 11.81

✓ AM 1260
12.19 p 1 S 12.29

✓ AM 1238
11.49 m 1 S 11.59

✓ AM 1061
11.21 l 1 S 11.31

✓ AM 1036
10.71 k 2 S 10.91

✓ AM 938
11.71 m 10 11.81 11.81 = 11.81 00 00
11.81 o 10 11.91

✓ AM 908
10.41 k 1 S 10.31

✓ AM 816
11.71 m 1 S 11.81

✓ AM 787
10.41 k 1 S 10.51

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1904phae.proj..722B

June 28, 1904.

T Telescopii cont.

✓ AM 644
10.41 k.1 St 10.51

✓ AM 585
11.49 mix 11.59 11.61 = 11.60 01 01
11.61 a lm 11.71

✓ AM 631
11.21 l2 St 11.41

✓ AM 468
Poor images

✓ AM 460
11.21 k.1 St 11.31

✓ AM 173
10.71 k.1 St 10.81

✓ AM 162
10.41 k.1 St 10.51

✓ AM 156
Poor images

✓ AM 145
Poor images

✓ AM 22
10.14 g.1 St 10.24

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1904phae.proj...722B

June 28, 1904.

T Telescopic conf.

✓ AM 7
Poor image

✓ AM 809
11.49 m in 11.59 11.61 = 11.60 01 01
11.61 e in 11.71

✓ AM 932
Poor image

✓ AM 1236
Too much edge

✓ AM 817
10.14 9.1 ∴ 10.24

✓ AM 1461
Too much edge

✓ AM 1437
Too much edge

✓ AM 63
Poor image

✓ AM 47
Pl. trailed

✓ AM 2309
11.91 0.1 ∴ 12.01

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1904phae.proj..722B

June 28, 1904.

T Telescopii cont.

✓ AM 2199
11.21 L.1 S. 11.31

✓ AM 2178
11.91 0.1 S. 12.01

✓ AM 2075
10.41 L.2 S. 10.61

✓ AM 2050
11.71 L.1 S. 11.81

✓ AM 2005
10.71 L.1 S. 10.81

✓ AM 1994
11.21 L.1 S. 11.31

✓ AM 1875
11.21 L.2 S. 11.41

✓ AM 1854
10.71 L.1 S. 10.81

✓ AM 1653
11.21 L.1 S. 11.31

✓ AM 1632
11.21 L.2 S. 11.41

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1904phae.proj..722B

June 28, 1904.

T Telescopii cont

✓ AM 1390
11.71 m.2 At 11.91

✓ AM 1364
11.91 0.1 At 12.01

✓ AM 1343
11.21 l.1 At 11.31

✓ AM 1327
10.71 k.2 At 10.91

✓ AM 1210
11.91 01 At 12.01

✓ AM 1194
Missing

✓ AM 1201
11.21 l.1 At 11.31

✓ AM 1099
11.71 m.1 At 11.81

✓ AM 1094
10.71 k.1 At 10.81

✓ AM 1073
11.21 l.1 At 11.31

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1904phae.proj...722B

June 28, 1904.

T Telescopii cont.

✓ AM 1001
11.49 m.1 St 11.59

✓ AM 981
11.49 m.1 St 11.59

✓ AM 949
11.91 01 St 12.01

✓ AM 917
Haste

✓ AM 882
11.21 l.1 St 11.31

✓ AM 827
11.21 l.1 St 11.31

✓ AM 592
11.21 l.1 St 11.31

✓ AM 548
Poorly

✓ AM 506
10.41 k2 St 10.61

✓ AM 427
Ill trails

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1904phae.proj...722F

June 28, 1904.

Telescopii ant.

✓ AM 226
11.21 l. 1 F 11.31

✓ AM 125
11.21 l. 2 F 11.41

✓ AM 107
11.71 m. 1 F 11.81

✓ AM 69
Poor pl.

✓ AM 1428
Too near edge

✓ AM 533.
10.41 l. 2 F 10.61

✓ AM 2320
11.21 l. 1 F 11.31

✓ AM 1491
11.21 l. 1 F 11.31

✓ AM 1927
11.71 m. 1 F 11.81

✓ AM 1911
11.21 l. 1 F 11.31

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1904phae.proj...722B

June 28, 1904.

I Telescopii cont.

✓ AM 225-
10.71 k.1 $\frac{1}{2}$ 10.81

✓ AM 366
10.71 k.1 $\frac{1}{2}$ 10.81

✓ AM 411
Poor image

✓ AM 426
10.41 k.1 $\frac{1}{2}$ 10.51

✓ AM 499
Useless

✓ AM 515
Poor image

✓ AM 533
10.14 g.1 $\frac{1}{2}$ 10.24

✓ AM 656
10.14 g.1 $\frac{1}{2}$ 10.24

✓ AM 833
11.21 k.1 $\frac{1}{2}$ 11.31

✓ AM 879
11.91 0.1 $\frac{1}{2}$ 12.01

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1904phae.proj...722B

June 28, 1904.

1 Telescopic conf.

✓ AM 960
Poor image

✓ AM 988
11.21 L.1 A 11.31

✓ AM 1002
Poor image

✓ AM 1171
11.71 n.1 A 11.81

✓ AM 1213
11.21 L.1 A 11.31

✓ AM 1223
10.71 L.1 A 10.81

✓ AM 1333
10.14 g.2 A 10.34

✓ AM 1351
11.21 L.1 A 11.31

✓ AM 1374
10.71 L.1 A 10.81

✓ AM 1383
11.21 L.1 A 11.31

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1904phae.proj..722B

June 28, 1904.

T Telescopii ark.

✓ AM 1397
10.71 k.1 St 10.81

✓ AM 1498
11.21 k.1 St 11.31

✓ AM 1640
11.21 k.2 St 11.41

✓ AM 1829
10.41 k.1 St 10.51

✓ AM 1852
10.14 g.1 St 10.24

✓ AM 1862
10.71 k.1 St 10.81

✓ AM 1895
10.41 k.1 St 10.51

✓ AM 1969
10.71 k.2 St 10.91

✓ AM 2024
11.21 k.1 St 11.31

✓ AM 2097
11.71 m.1 St 11.81

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1904phae.proj...7228

June 28, 1904.

T Telescopic cont.

✓ AM 2051
10.71 k.1 S 10.81

✓ AM 2081
Porrimago

✓ AM 2054
11.71 n 10 11.81 11.81 = 11.81 00 00
11.81 o 10 11.91

✓ AM 2177
11.71 n.2 S 11.91

✓ AM 2191
11.71 n 10 11.81 11.71 = 11.76 05 05
11.71 o 20 11.91

✓ AM 2212
10.41 k 2 S 10.61

✓ AM 2299
11.71 n 10 11.81 11.71 = 11.76 05 05
11.71 o 20 11.91

✓ AM 67
Pk. trailed

✓ AM 73
10.41 k.1 S 10.51

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1904phae.proj..722B

June 28, 1904.

I Telescopii

✓ AM 80

10.41 h.1 St 10.51

✓ AM 124

Poor image

✓ A 5688

12.56 r 1 o 12.66 12.46=12.56 10 10

12.46 o 2 o 12.66

✓ A 5651

12.41 g 1 o 12.51 12.36=12.44 07 08

12.36 o 2 v 12.56

✓ A 5643

12.56 r 1 o 12.66 12.46=12.56 10 10

12.46 o 2 o 12.66

✓ A 2534

Too near edge

✓ A 3194

12.66 p 2 St 12.86

✓ B D 34 97

Badly broken, not found

✓ B 19938 Sp.

10.14 g.1 St 10.24

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1904phae..proj...7228

June 29 1904

T Telescopii

✓ AM 869

11.91 02 ♄ 12.11

✓ AM 1435

11.49 m 81 ♄ 11.59

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1904phae.proj..722B

July 8 12 1904.

R Sagittarii

1821.4–3323 (1900)

Comp. B #49 & 1358 19

AM 2037.

✓ B 30644

8.59 e 3 σ 8.89 8.67 = 8.78 13 11 11

8.67 σ 3 f 8.97

✓ B 21994

11.26 01 Sf 11.36

✓ B 30644

9.19 g 2 σ 9.39 9.19 = 9.29 10 10

9.19 σ 3 h 9.49

✓ B 21994

11.26 01 σ 11.36 R

f Sf

✓ B 22035

11.26 02 Sf 11.46

✓ B 22514

8.17 d 2 σ 8.37 8.39 = 8.38 01 01

8.39 σ 2 e 8.59

✓ B 23059

11.68 f 1 Sf 11.78

✓ B 23075

11.26 01 σ 11.36 11.48 = 11.42 06 06

11.48 σ 2 f 11.68

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1904phae..proj..7228

July 12, 1904

R V Sagittarii cont.

√ B23076

11.26 02 r 11.46 11.58 = 11.52 06 06
11.58 r 1f 11.68

√ B23781

12.35 R2r 12.55 a
R

√ B26141

11.26 02 r 11.46 11.48 = 11.47 01 01
11.48 r 2f 11.68

√ B26117

11.26 02 f 11.46

√ B26388

10.54 m2r 10.74 10.76 = 10.75 01 01
10.76 r 2m 10.96

√ B21376

9.19 g2r 9.39 9.29 = 9.34 05 05
9.29 r 2h 9.49

√ B21476

8.59 l2r 8.79 8.87 = 8.83 04 04
8.87 r 1f 8.97

√ B21385

8.59 l2r 8.79 8.87 = 8.83 04 04
8.87 r 1f 8.97

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1904phae.proj..722B

July 13 1904.

R Sagittarii cont.

✓ B21225-

8.39	e 1 r	8.69	8.77 = 8.73	04	04
8.77	r 2 f	8.97			

✓ B24921

10.74	m 2 r	10.74	10.76 = 10.75	01	01
10.76	r 2 m	10.96			

✓ B23389

11.68	f 2 f	11.88			

✓ B23387

11.68	f 1 r	11.78	11.78 = 11.78	00	00
11.78	r 2 q	11.98			

✓ B23344

11.26	a 2 r	11.46	11.48 = 11.47	01	01
11.48	r 2 f	11.68			

✓ B23880

11.26	a 3 r	11.56	11.48 = 11.52	04	04
11.48	r 2 f	11.68			

✓ B23521

11.98	q 2 r	12.18	12.15 = 12.16	02	01
12.15	r 2 f	12.35			

✓ B27.59[illegible]

Surface

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1904phae..proj..722B

July 12, 1904.

R V Sagittarii

✓ B20243 Sp.

10.96 m 1 A 11.06

✓ B20183 Sp.

10.54 m 1 A 10.64

✓ B20121

10.54 m 2 o 10.74 10.86 = 10.80 06 06

10.86 o 1 m 10.96

✓ B20120

10.54 m 2 o 10.74 10.66 = 10.70 01 04 04

10.66 o 3 m 10.96

✓ B20058
Poor pl

✓ B23745
Poor image

✓ B23696

12.35 R 2 A 12.55

✓ B23666

11.98 g 1 A 12.08

✓ B30867

9.19 g 2 r 9.39 9.29 = 9.34 05 05

9.29 R 2 h 9.49

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1904phae.proj..722B

July 12, 1904

R V Sagittarii

✓ B30513

9.84 k1σ 9.94 10.09 = 10.02 08 07
10.09 σ2l 10.29

✓ B30512

9.49 h3σ 9.79 9.64 = 9.72 07 08
9.64 σ2k 9.84

✓ B30310

10.54 m2σ 10.74 10.86 = 10.80 06 06
10.86 σ1m 10.96

✓ B30016

10.96 m2σ 11.16 11.06 = 11.11 05 05
11.06 σ2o 11.26

✓ B23776

11.98 q2σ 12.18 12.20 = 12.22 04 03
12.25 σ1r 12.35

✓ B23770

Too much edge

✓ B23750

Poor image

✓ B21919

11.26 o2σ 11.46 11.48 = 11.47 01 01
11.48 σ2p 11.68

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1904phae.proj...722B

July 12, 1904.

R V Sagittarii

✓ B21719

9.84 22r 10.04 10.09 = 10.06 02 03
10.09 r2l 10.29

✓ B22478

9.19 9 1r 9.29 9.29 = 9.29 00 00
9.29 r 2l 9.49

✓ B21283

9.19 9 1r 9.29 9.29 = 9.29 00 00
9.29 r 2l 9.49

✓ B28735

9.19 9 2r 9.39 9.19 = 9.29 10 10
9.19 r 3l 9.49

✓ B28622

9.19 9 2r 9.39 9.29 = 9.34 05 05
9.29 r 2l 9.49

✓ B29857

11.26 03r 11.56 11.48 = 11.52 04 04
11.48 r 2p 11.68

✓ B29527

11.68 p 2A 11.88

✓ B29524

11.98 9 2A 12.18

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1904phae.proj.;722B

July 12, 1904.

R Sagittarii

✓ B29487

11.98 q 2r 12.18 12.25 = 12.22 04 03
12.25 r 1p 12.35

✓ B23077

11.26 0 2r 11.46 11.58 = 11.52 06 06
11.58 r 1 p 11.68

✓ B24154 Sh.

10.54 m 1 A 10.64

✓ B27871
Surface

✓ B28196
Surface

✓ B28205
Surface

✓ B20923

10.96 m 2r 11.16 11.16 = 11.16 00 00
11.16 r 1 0 11.26

✓ B20322

11.26 0 1r 11.36 11.38 = 11.37 01 01
11.38 r 3 p 11.68

✓ B20490

11.26 0 1 A .. 11.36

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1904phae.proj...722B

July 12, 1904.

R Sagittarii

✓ B20477

11.26 02σ 11.46 11.38 = 11.42 04 04
11.38 03f 11.68

✓ B27445-

11.26 02σ 11.46 11.58 = 11.52 06 06
11.58 01f 11.68

✓ B27438

11.98 02σ 12.18 12.25 = 12.22 04 03
12.25 01f 12.35

✓ B31646

9.84 10σ 9.94 10.09 = 10.02 08 07
10.09 02l 10.29

✓ B31577

9.84 03σ 10.14 10.09 = 10.12 05 02 03
10.09 02l 10.29

✓ B31405-

11.26 03σ 11.56 11.48 = 11.52 04 04
11.48 02f 11.68

✓ B32035-1

9.19 02σ 9.39 9.29 = 9.34 05 05
9.29 02l 9.49

✓ B32032

9.19 01σ 9.29 9.29 = 9.29 00 00
9.29 02l 9.49

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1904phae.proj.;722B

July 12, 1904.

R Sagittarii

✓ B32016

9.19 g2r 9.39 9.19 = 9.29 10 10
9.19 r3h 9.49

✓ B32633

9.84 h1r 9.94 10.09 = 10.02 08 07
10.09 r2l 10.29

✓ B32628

9.19 g2r 9.39 9.29 = 9.34 05 05
9.29 h2h 9.49

✓ B32544

9.19 g1r 9.29 9.29 = 9.29 00 00
9.29 h2h 9.49

✓ B32473

8.97 f1r 9.07 9.09 = 9.08 01 01
9.09 h1g 9.19

✓ B32953

8.97 f1r 9.07 9.09 = 9.08 01 01
9.09 h1g 9.19

✓ B23787

12.35 r1r 12.45 a
R

✓ B24009

11.98 g2h 12.18

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1904phae.proj...722B

July 12, 1904.

R V Sagittarii

✓ B24375

11.26 O 2 r 11.46 11.48 = 11.47 01 01
11.48 O 2 p 11.68

✓ B17709

10.54 m 1 r 10.64 10.76 = 10.70 06 06
10.76 O 2 m 10.96

✓ B17652

10.54 m 3 r 10.84 10.76 = 10.80 04 04
10.76 O 2 m 10.96

✓ B18098

Poor plate image.

✓ B17093

8.97 f 1 r 9.07 8.99 = 9.03 04 04
8.99 O 2 g 9.19

✓ B17484

10.29 l 1 r 10.39 10.34 = 10.36 03 02
10.34 O 2 m 10.54

✓ B17239

9.19 g 2 r 9.39 9.19 = 9.29 10 10
9.19 O 3 h 9.49

✓ B17238

9.19 g 1 r 9.29 9.19 = 9.24 05 05
9.19 O 3 h 9.49

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1904phae.proj.;722B

July 12, 1904.

R Sagittarii

✓ B17143

8.59 e 2 r 8.79 8.87 = 8.83 04 04
8.87 r 1 f 8.97

✓ B31684

9.84 f 2 r 10.04 10.19 = 10.12 08 07
10.19 r 1 e 10.29

✓ B19448

8.97 f 1 r 9.07 9.09 = 9.08 01 01
9.09 r 1 g 9.19

✓ B19325

9.19 g 1 r 9.29 9.29 = 9.29 00 00
9.29 r 2 h 9.49

✓ B19690

8.59 e 2 r 8.79 8.87 = 8.83 04 04
8.87 r 1 f 8.97

✓ B19689

9.19 g 1 r 9.29 9.29 = 9.29 00 00
9.29 r 2 h 9.49

✓ B19576

8.59 e 1 r 8.69 8.87 = 8.78 09 09
8.87 r 1 f 8.97

✓ B19928 Sp.

10.54 f 2 A mi r 1064 R
rd If

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1904phae_proj...7225

July 12, 1904.

R Sagittarii

✓ B19873 Sh.
10.54 m 1 r 10.64 R
n St

✓ B18023
11.26 0 1 St 11.36

✓ B18595
10.96 n 2 r 11.16 11.16 = 11.16 00 00
11.16 r 1 0 11.26

✓ B18570
Double

✓ B18728
10.29 l 1 r 10.39 10.34 = 10.36 03 02
10.34 r 2 m 10.54

✓ B18727
10.54 m 1 r 10.64 10.76 = 10.70 06 06
10.76 r 2 n 10.96

✓ B17714
10.96 n 2 r 11.16 11.06 = 11.11 05 05
11.06 r 2 0 11.26

✓ B16983
8.59 e 2 r 8.79 8.87 = 8.83 04 04
8.87 r 1 f 8.97

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1904phae.proj..7228

July 12, 1904.

R V Sagittarii

✓ B15741
9.84 k2σ 10.04 10.19 = 10.12 08 07
10.19 σ1l 10.29

✓ B16099
9.84 k2σ 10.04 10.19 = 10.12 08 07
10.19 σ1l 10.29

✓ B13785 Sp.
9.84 k1σ 9.94 R
l 1

✓ B1 3 4406 Sp.
10.54 m1 1 10.64

✓ B3975
Poor fl.

✓ B3594
Poor fl.

✓ B18950
9.84 k3σ 10.14 10.09 = 10.12 04 02 03
10.09 σ2l 10.29

✓ B18924
9.84 k1σ 9.94 10.09 = 10.02 08 07
10.09 σ2l 10.29

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1904phae..proj...722B

July 12 1904.

R V Sagittarii

✓ B19245-

8.69 e1r 8.69 8.87 = 8.78 09 09
8.87 01f 8.97

✓ B19219

8.69 e2r 8.79 8.87 = 8.83 04 04
8.87 o1f 8.97

✓ B19201

9.19 g1r 9.29 9.29 = 9.29 00 00
9.29 g2h 9.49

✓ B19085-

9.19 g2r 9.39 9.39 = 9.39 00 00
9.39 o1h 9.49

✓ B19449

8.69 e1r 8.69 8.77 = 8.73 04 04
8.77 o2f 8.97

✓ B16165-

9.49 h2r 9.69 9.74 = 9.72 03 02
9.74 o1h 9.84

✓ B16156

9.84 h2r 10.04 10.09 = 10.06 02 03
10.09 o2l 10.29

✓ B16415

9.84 h1r 9.94 10.09 = 10.02 08 07
10.09 o2l 10.29

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1904phae.proj..722B

July 12, 1904.

R V Sagittarii

✓ B16499

8.59 e/r 8.69 8.77 = 8.73 04 04
8.77 r2f 8.97

✓ B16496

9.19 g2r 9.39 9.29 = 9.34 03 03
9.29 r2h 9.49

✓ B16580

8.59 e1r 8.69 8.77 = 8.73 04 04
8.77 r2f 8.97

✓ B16576

8.59 e1r 8.69 8.87 = 8.78 09 09
8.87 r1f 8.97

✓ B16883

8.59 e2r 8.79 8.87 = 8.83 04 04
8.87 r1f 8.97

✓ B16725-Ph.

9.19 g1r 9.29 9.29 = 9.29 00 00
9.29 r2h 9.49

✓ AM 2037

8.59 e1r 8.69 8.77 = 8.73 04 04
8.77 r2f 8.97

✓ AM 1895

Tomalidge

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1904phae.proj...722F

July 12, 1904.

R V Sagittarii

✓ aM1278
11.26 01 A 11.36

✓ aM1252
11.26 02 A 11.46

✓ aM1236
11.26 01 A 11.36

✓ aM1043
9.84 k2r 10.04 10.19 = 10.12 08 07
10.19 01 l 10.29

✓ aM1028
9.84 k2r 10.04 9.99 = 10.02 02 02
9.99 03 l 10.29

✓ aM907
11.26 01 A 11.36

✓ aM856
Class C

✓ aM854
Class C

✓ aM1406
Class C

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1904phae.proj..722

July 12, 1904.

R Sagittarii

✓ AM226

10.96 m1 St 11.06

✓ AM125

11.26 o1, St 11.36

✓ AM107

10.96 m1 St 11.06

✓ AM69

Poor images

✓ AM47

Pl. trailed

✓ AM882

10.96 m2 St 11.16

✓ AM1488

10.29 C1 r 10.39 10.34 = 10.36 03 02

10.34 r 2 m 10.54

✓ AM1428

10.54 m2 r 10.74 10.76 = 10.75 01 01

10.76 r 2 m 10.96

✓ AC1618

Poor im reg. of var.

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1904phae.proj..722B

July 12, 1904.

R Sagittarii

✓ AG 1542
Poor pl.

✓ AG 1527
8.59 e 2 St 8.79

✓ AG 1501
Poor pl.

✓ AG 1462
8.59 e 1 St 8.69

✓ AG 963
Poor pl.

Doch. ✓ AG 948
Poor im. ung.

✓ AG 936
Poor pl.

✓ AG 869
Poor pl.

✓ AG 868
Poor image

✓ AM 858
9.19 g 1 St 9.29

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1904phae.proj..722B

July 12, 1904.

R Sagittarii.

✓ aC 471
Poor pb

✓ aC 377
Too near edge

✓ aC 2778
8.59 e 2 ∫ 8.79

✓ aC 2715
8.97 f 2 ∫ 9.17

✓ aC 2691
8.59 e 1 ∫ 8.69

✓ aC 2655
8.59 e 1 ∫ 8.69

✓ aC 2612
8.59 e 2 ∫ 8.79

✓ aC 2568
8.17 d 2 ∫ 8.37

✓ aC 1840
Too near edge

✓ aC 1828
Useless

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1904phae.proj..722B

July 12, 1904.

R V Sagittarii

✓ AC 1780
Poor in neg.

✓ AC 1722
Poor in neg.

✓ AC 1699
Poor in neg.

✓ AC 1655
Poor in neg.

✓ AC 4980
8.69 a2 = 8.79

✓ AC 4955
Poor in neg.

✓ AC 4914
Poor in neg.

✓ AC 3935
Poor pl.

✓ AC 3851
Poor in neg.

✓ AC 3836
Poor in neg.

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1904phae.proj..722B

July 12, 1904.

R V Sagittarii

✓ AC 3702
Poor in reg.

✓ AC 3601
Poor in reg.

✓ AC 2961
Poor in reg.

✓ AC 2910
Poor in reg.

✓ AC 2847
Poor in reg.

✓ AC 2837
Poor in reg.

✓ AM 1414
10.96 m l o 11.06 11.16 = 11.11 05 05
11.16 o l o 11.26

✓ AM 1353
10.29 l l St 10.39

✓ AM 888
10.96 m l St 11.06

✓ AM 845
10.29 l l St 10.39

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1904phae.proj...7228

July 12, 1904.

R Sagittarii

✓ AM 2261

9.49 h 2 r 9.69 9.64 = 9.66 03 02
9.64 r 2 h 9.84

✓ AM 1543

8.97 f 1 r 9.07 9.09 = 9.08 01 01
9.09 2 1 g 9.19

✓ AM 1589

9.19 g 1 r 9.29 9.29 = 9.29 00 00
9.29 b 2 h 9.49

✓ AM 1917

9.84 h 2 r 10.04 10.09 = 10.06 02 03
10.09 r 2 l 10.29

✓ AM 1902

9.49 h 2 r 9.69 9.74 = 9.72 03 02
9.74 r 1 h 9.84

✓ AM 1960

9.19 g 1 r 9.29 9.29 = 9.29 00 00
9.29 b 2 h 9.49

✓ AM 2083

8.17 a 2 r 8.37 8.49 = 8.43 06 06
8.49 r 1 c 8.09

✓ AM 2109

8.17 a 1 r 8.27 8.39 = 8.33 06 06
8.39 r 2 c 8.09

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

1904phae.proj..722

July 12, 1904.

R & Sagittarii

✓ AM2129

8.17 d 1 r 8.27 8.39 = 8.33 0.6 0.6
8.39 r 2 e 8.59

✓ AM2147

8.17 d 2 r 8.37 8.39 = 8.38 0.1 0.1
8.39 r 2 e 8.59

✓ AM2244

9.19 g 2 r 9.39 9.39 = 9.39 0.0 0.0
9.39 e 1 h 9.49

✓ AM1528

8.59 e 1 r 8.69 8.77 = 8.73 0.4 0.4
8.77 r 2 f 8.97

✓ AM798

11.26 0 1 A 11.36

✓ AM2034

8.59 e 2 r 8.79 8.77 = 8.78 0.1 0.1
8.77 r 2 f 8.97

✓ AM1491

9.49 h 2 r 9.69 9.64 = 9.66 0.3 0.2
9.64 r 2 k 9.84

✓ AM2320

10.97 6 n 2 A 11.16

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

1904phae..proj...7226

July 12, 1904.

R V Sagittarii

✓ aM 1522
Poor image

✓ aM 1492
10.29 l 1 f 10.39

✓ aM 1384
Too near edge of plate

✓ aM 1994
9.19 q 2 r 9.39 9.29 = 9.34 05 05
9.29 r 2 h 9.49

✓ aM 2005
9.19 q 3 r 9.49 9.29 = 9.39 10 10
9.29 r 2 h 9.49

✓ aM 2050
8.89 e 2 r 8.79 8.87 = 8.83 04 04
8.87 r 1 f 8.97

✓ aM 2075
8.89 e 2 r 8.79 8.67 = 8.73 06 06
8.67 r 3 f 8.97

✓ aM 868 10.04
9.84 h 2 f

✓ aM 850
10.29 l 2 f 10.49

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1904phae.proj..7228

July 12, 1904.

R Sagittarii

✓ aM 1226
10.29 l i ⁄ 10.39

✓ aM 1203
8.59 e 2 ⁄ 8.79

✓ aM 1191
9.49 h i ⁄ 9.59

✓ aM 1010
9.84 b 2 σ 10.04 10.19 = 10.12 08 07
10.19 σ i l 10.29

✓ aM 959
10.29 l i σ 10.39 10.34 = 10.36 03 02
10.34 σ 2 m 10.54

✓ aM 116
Pl. trailed

✓ aM 1336
10.29 l i ⁄ 10.39

✓ aM 1297
10.29 l i ⁄ 10.39

✓ aM 835
10.96 m i ⁄ 11.06

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1904phae.proj...722B

July 12, 1904.

R Sagittarii

✓ AM 85

9.49 h 1 h 9.59

✓ AM 1594

9.19 g 2 σ 9.39 9.39 = 9.39 00 00
9.39 σ 1 h 9.49

✓ AM 1524

Poor images, near edge of plate

✓ AM 1529

8.59 e 1 σ 8.69 8.77 = 8.73 04 04
8.77 σ 2 f 8.97

✓ AM 2200

8.59 e 2 σ 8.79 8.77 = 8.78 01 01
8.77 σ 2 f 8.97

✓ AM 1422

10.54 m 3 σ 10.84 10.76 = 10.80 04 04
10.76 σ 2 m 10.96

AM 1437

10.54 m 3 σ 10.84 10.76 = 10.80 04 04
10.76 σ 2 m 10.96

✓ AM 1461

10.54 m 3 σ 10.84 10.76 = 10.80 04 04
10.76 σ 2 m 10.96

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1904phae.proj..7228

July 12, 1904

RV Sagittarii

✓ AM 1470

10.54 m 3 r 10.84 10.76 = 10.80 04 04
10.76 r 2 m 10.96

✓ AM 1487
Poor images

✓ AM 2178

8.17 d 2 r 8.37 8.49 = 8.43 06 06
8.49 r 1 e 8.59

✓ AM 2199

8.59 e 2 r 8.79 8.77 = 8.78 01 01
8.77 r 2 f 8.97

✓ AM 2309

10.54 m 3 r 10.84 10.76 = 10.80 04 04
10.76 r 2 m 10.96

✓ AM 917
Blank

✓ AM 949

10.96 n 1 r 11.06 11.16 = 11.11 05 05
11.16 r 1 o 11.26

✓ AM 981

10.54 m 3 r 10.84 10.66 = 10.75 09 09
10.66 r 3 m 10.96

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1904phae.proj...722B

July 12, 1904.

R Sagittarii

✓ AM 1001

9.84 k 2 r 10.04 10.09 = 10.06 02 03
10.09 r 2 l 10.29

✓ AM 1073

9.19 g 2 r 9.39 9.29 = 9.34 05 05
9.29 r 2 k 9.49

✓ AM 1094

8.97 f 2 r 9.17 8.99 = 9.08 09 09
8.99 b 2 g 9.19

✓ AM 1099

8.69 e 2 r 8.79 8.87 = 8.83 04 04
8.87 r 1 f 8.97

✓ AM 1390

10.54 m 2 r 10.84 10.76 = 10.80 04 04
10.76 r 2 m 10.96

✓ AM 1632

9.19 g 2 r 9.39 9.29 = 9.34 05 05
9.29 r 2 k 9.49

✓ AM 1653

9.49 k 2 r 9.79 9.64 = 9.72 07 08
9.64 r 2 k 9.84

✓ AM 1854

10.96 m l A 11.06

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1904phae.proj..7228

July 12, 1904.

R Sagittarii

✓ aM 875
10.54 m 3 r 10.84 10.76 = 10.80 04 04
10.76 r 2 N 10.96

✓ aM 2335
10.29 l 1 f 10.39

✓ aM 13
10.96 n 1 f 11.06

✓ aM 23
Poor image

✓ aM 137
11.26 01 f 11.36

✓ aM 134
Pl. trailed

✓ aM 461
11.26 01 f 11.36

✓ aM 538
11.26 01 f 11.36

✓ aM 1201
10.29 l 1 f 10.39

✓ aM 1194
Missing

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1904phae.proj...722B

July 13 1904.

R V Sagittarii

✓ AM869
11.26 o1 ½ 11.36

✓ AM2280
9.84 2 r 10.04 10.19 = 10.12 08 07
10.19 o 1 10.29

✓ AM1215
10.96 m 2 ½ 11.16

✓ AM427
Pl. trailed

✓ AM506
10.29 2 ½ 10.49

✓ AM548
Pl. trailed

✓ AM592
10.96 m 2 ½ 11.16

✓ AM827
10.96 m 2 ½ 11.16

✓ AM577
11.26 02 ½ 11.46

✓ AM614
10.96 m 1 ½ 11.06

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1904phae.proj..722B

July 13, 1904.

R Sagittarii

✓ AM802

11.26 02 A 11.46

✓ AM808

11.26 01 A 11.36

✓ AM817

11.26 01 A 11.36

✓ AM1612 31

9.19 g2r 9.39 9.29 = 9.34 03 03
9.29 r2k 9.49

✓ AM1874

10.96 m1 A 1.1.06

✓ AM1887

9.84 k1 A 9.94

✓ AM1993

9.84 k1 A 9.94

✓ AM2052

8.59 e2r 8.79 8.67 = 8.73 06 06
8.67 r3f 8.97

✓ AM2072

8.17 d3r 8.47 8.39 = 8.43 04 04
8.39 r2d 8.59

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1904phae.proj...7228

July 13, 1904.

R V Sagittarii

✓ AM 2142

8.17 d 3 r 8.47 8.39 = 8.43 04 04
8.39 r 2 l 8.59

✓ AM 2184

8.59 l 3 r 8.89 8.67 = 8.78 11 11
8.67 r 3 f 8.97

✓ AM 1327

10.96 m 1 A 11.06

✓ AM 1345

10.96 m 2 A 11.16

✓ AM 1364

11.26 a 1 A 11.36

✓ A 2044 Sh.

9.49 h 2 A 9.69

✓ A 2062 Sh.

9.19 g 2 r 9.39 9.39 = 9.39 00 00
9.39 h 1 h 9.49

✓ A 2661

10.54 m 3 r 10.84 10.76 = 10.80 04 04
10.76 r 2 m 10.96

✓ A 2714

10.96 m 2 r 11.16 11.06 = 11.11 05 05
11.06 r 2 0 11.26

✓ A 2673

10.96 m 1 r 11.06 11.06 = 11.06 00 00
11.06 r 2 0 11.26

✓ A 2810

03 03
11.68 f 2 r 11.88 11.78 = 11.83
11.78 r 2 g 11.98

✓ A 6055

12 13
9.84 k 1 r 9.94 10.19 = 10.06
10.19 a 1 l 10.29

✓ A 6463 Sh.

06 06
8.17 d 2 r 8.37 8.49 = 8.43
8.49 a 1 l 8.59

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1904phae.proj..722B

July 14, 1904.

Var. Gorgonae Auct.
$18^{m}\,23^{s}.7 - 45^{\circ}\,2'$ (1900)
Comp. plates on B 19582.

✓ B30500
12.64 q 1 ⊼ 12.74

✓ B30645
11.83 m 1 ⊼ 11.93

✓ B30872
11.61 l 2 ⊼ 11.81

✓ B33336
12.64 q 2 ⊼ 12.84

✓ B32629
11.83 m 2 r 12.03 11.88 = 11.96 07 08
11.88 o 2 v 12.08

✓ B32510
11.83 m 1 ⊼ 11.93

✓ B32352
11.31 l 2 r 11.51 11.51 = 11.51 ~~07 08~~
11.51 o 1 l 11.61

✓ B31954
12.08 [illegible] 12.18

✓ B31732
11.83 m 1 ⊼ 11.93

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

1904phae.proj...7228

July 14, 1904.

—Coronal Austr. cont.

✓ B31645

12.64 g l ↓ 12.74

✓ B31578

12.51 p i ↓ 12.61

✓ B27382

Surface

✓ B26118

11.83 m l ↓ 11.93

✓ B26082

12.64 g 2 ↓ 12.84

✓ B25968

Too much edge

✓ B25881

11.61 l l ↓ 11.71

✓ B27648

11.83 m 2 r 12.03 11.98 = 12.00 03 02

11.98 q l m 12.08

✓ B27846

12.31 o 2 r 12.51 12.31 = 12.41 10 10

12.31 r 2 p 12.51

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1904phae.proj..722B

July 14, 1904.

- Coronae Austr.

✓ B27853
Surface

✓ B27930
12.64 q 1 $\frac{1}{2}$ 12.74

✓ B28623
12.08 n 2 $\frac{1}{2}$ 12.28

✓ B28736
11.61 l 2 $\frac{1}{2}$ 11.81

✓ B29262
11.31 k 2 $\frac{1}{2}$ 11.51

✓ B29457
11.83 m 2 $\frac{1}{2}$ 12.03

✓ B29485
12.64 q 1 $\frac{1}{2}$ 12.74

✓ B30076
11.61 l 1 $\frac{1}{2}$ 11.71

✓ B30110
11.61 l 1 $\frac{1}{2}$ 11.71

✓ B30298
12.64 q 1 $\frac{1}{2}$ 11.74

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1904phae.proj...7228

July 14, 1904.

– Coronal Auxs. and

✓ B30331
12.64 q / A 12.74

✓ B30340
12.51 fp / A 12.61

✓ B30362
11.61 l / A 11.71

✓ B30363
11.61 l / A 11.71

✓ B27444
12.64 q / A 12.74

✓ B27437
12.08 m / A 12.18

✓ aM125
11.61 l / A 11.71

✓ aM226
11.11 h / A 11.21

✓ aM1201
11.11 h / A 11.21

✓ aM1461
11.11 h / A 11.21

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1904phae.proj..722B

July 15, 1904.

-Coronae Austr.

✓ AM 1437
10.83 g 2 ≡ 11.03

✓ AM 1422
11.11 h 1 ≡ 11.21

✓ AM 137
10.83 g 2 ≡ 11.03

✓ AM 23
Poor images

✓ AM 15
10.83 g 1 ≡ 10.93

✓ AM 1471
11.31 h 2 ≡ 11.41

✓ AM 15-84
10.61 f 1 ≡ 10.71

✓ AM 2005
11.11 h 1 ≡ 11.21

✓ AM 2050
11.11 h 2 ≡ 11.31

✓ AM 2075
11.11 h 1 ≡ 11.21

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1904phae..proj...722

July 13, 1904.

- Coronae Austr.

✓ AM 1994
11.31 h1 A= 11.41

✓ AM 1927
11.61 h1 A= 11.71

✓ AM 5-33
10.83 g1 A= 10.93

✓ AM 1833-
10.83 g1 A= 10.93

✓ AM 15-95
11.11 h1 A= 11.21

✓ AM 1460
11.11 h1 A= 11.21

✓ AM 2288
11.31 h2 A= 11.51

✓ AM 2128
11.11 h1 A= 11.21

~~AM 2280~~
~~m 2 A=~~

✓ AM 2121
11.61 h1 A= 11.71

✓ AM 2101
11.11 h1 A= 11.21

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1904phae.proj...722

July 15, 1904.

– Coronae Austr.

✓ AM 2084
11.31 hl A 11.41

✓ AM 1959
11.61 hl A 11.71

✓ AM 915
Clarke

✓ AM 908
10.61 fl A 11.71

✓ AM 853
Clarke

✓ AM 816
11.31 hl A 11.41

✓ AM 787
10.61 fl A 10.71

✓ AM 1447
11.11 hl A 11.21

✓ AM 644
11.11 hl A 11.21

✓ AM 631
11.83 ml A 11.93

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1904phae.proj...7228

July 15, 1904.

– Corona at Austin.

✓ a M 585
11.61 Gr St 11.71

✓ a M 468
Pon pb

✓ a M 460
11.31 Gr St 11.41

✓ a M 173
10.83 gr St 10.93

✓ a M 162
11.11 Gr St 11.21

✓ a M 156
Pb. braida

✓ a M 938
11.31 Gr St 11.41

✓ a M 1936
11.31 Gr St 11.41

✓ a M 1961
11.11 Gr St 11.21

✓ a M 6
Pon pb

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1904phae.proj..722B

July 15, 1904

– Coronae Austr.

✓ aM7
Prof.

✓ aM22
10.83 gl ⏤ 10.93

✓ aM145
Pl. trailed

✓ aM1238
11.31 kl ⏤ 11.41

✓ aM1260
11.61 kl ⏤ 11.71

✓ aM1286
11.31 kl ⏤ 11.41

✓ aM1423
11.11 kl ⏤ 11.21

✓ aM1479
11.31 kl ⏤ 11.41

✓ aM1487
Poor image

✓ aM2178
11.31 kl ⏤ 11.41

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1904phae.proj.,.7228

July 15, 1904.

- Coronae Austr.

✓ a M2199
11.11 h2 A 11.31

✓ a M2309
11.61 l1 A 11.71

✓ a Mg99
11.31 k1 A 11.41

✓ a Mg81
11.31 k1 A 11.41

✓ a M1001
11.83 m1 A 11.93

✓ a M1073
11.31 k1 A 11.41

✓ a M1994
11.11 h1 A 11.21

✓ a M1099
10.83 g2 A 11.03

✓ a M1990
11.61 l1 A 11.71

✓ a M 1632
11.83 m1 A 11.93

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1904phae.proj...722B

July 13, 1904.

-Coronal Lines-

✓ a M 1653
11.11 h1 St 11.21

✓ a M 1854
11.31 h2 1 St 11.41

✓ a M 1875
11.31 h2 1 St 11.41

✓ a M 107
11.31 h2 2 St 11.51

✓ a M 69
Poor pl

✓ a M 47
Poor pl

✓ a M 882
11.31 h2 1 St 11.41

✓ a M 1236
11.11 h2 2 St 11.31

✓ a M 1043
11.11 h1 St 11.21

✓ a M 1028
11.11 h1 St 11.21

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1904phae..proj..722F

July 15, 1904.

– Coronae Austr.

✓	a M907		
10.83		g 1 St	10.93
✓	a M1917		
11.31		k 1 St	11.41
✓	a M1952		
11.31		k 1 St	11.41
✓	a M1960		
11.11		k 1 St	11.21
✓	a M2085		
11.11		k 2 St	11.31
✓	a M2109		
11.61		l 1 St	11.71
✓	a M2129		
11.11		k 1 St	11.21
✓	a M2147		
11.11		k 1 St	11.21
✓	a M2244		
11.31		k 1 St	11.41
✓	a M1928		
11.11		k 1 St	11.21

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1904phae.proj..722B

July 15, 1904.

- Coronae Austr. -

✓ AM 1278
11.11 hl St 11.21

✓ AM 1252
11.11 hl St 11.21

✓ AM 1414
11.11 hl St 11.21

✓ AM 2261
10.61 fl St 10.71

✓ AM 1543
10.61 fl St 10.71

✓ AM 1589
10.83 gl St 10.93

✓ AM 2037
11.83 ml St 11.93

✓ AM 1364
11.31 kl St 11.41

✓ AM 1345
11.31 kl St 11.41

✓ AM 1327
11.31 kl St 11.41

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1904phae.proj.,.7228

– Coronal Asts:

✓ a M 592
11.11 h 2 S 11.31

✓ a M 548
Pl. trailed

✓ a M 506
10.83 g 1 S 10.93

✓ a M 427
Pl. trailed

✓ a M 1210
11.11 h 1 S 11.21

✓ a M 817
11.31 k 1 S 11.41

✓ a M 808
11.11 h 1 S 11.21

✓ a M 802
11.11 h 1 S 11.21

✓ a M 827
11.31 k 1 S 11.41

✓ a M 1895
10.61 f 2 S 10.81

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1904phae.proj..722B

July 15, 1904.

— Coronae Austr.

✓ a M2320
11.61 l 1 St 11.71

✓ a M1491
11.61 l 1 St 11.71

✓ a M1498
10.83 g 1 St 10.93

✓ a M1545
10.11 c 1 St 10.21

✓ a M2267
10.11 c 1 St 10.21

✓ a M2243
11.31 k 1 St 11.41

✓ a M2051
11.11 h 1 St 11.21

✓ a M879
11.31 k 1 St 11.41

✓ a M2081
Pk ft trailed

a M1406
a Lamb

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1904phae_proj..._722

July 15, 1904.

-Coronae Austr.

✓ a M917
Class C

✓ a M854
Class C

✓ a M856
Class C

✓ a M1383
11.31 h l St 11.41

✓ a M1498
11.31 h l St 11.41

✓ a M1989
11.11 h l St 11.21

✓ a M2024
11.31 h l St 11.41

✓ a M822
11.11 h l St 11.21

✓ a M124
Pl trailed

✓ a M225-
11.11 h l St 11.21

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1904phae.proj..722B

July 15, 1904

– Coronal Arabs –

✓ a M 366
11.11 h l A 11.21

✓ a M 411
Pl. trailed

✓ a M 426
10.61 f l A 10.71

✓ a M 475
Class C

✓ a M 499
Usele

✓ a M 1397
11.11 h l A 11.21

✓ a M 1333
10.83 g l A 10.93

✓ a M 1351
11.31 h l A 11.41

✓ a M 1374
11.11 h l A 11.21

✓ a M 1640
11.11 h l A 11.21

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1904phae.proj...722F

July 15, 1904.

- Coronal Arcs -

✓ aM1829
11.11 hi ⏤ 11.21

✓ aM1852
11.11 hi ⏤ 11.21

✓ aM1862
11.11 hi ⏤ 11.21

✓ aM515
Poor image

✓ aM555
10.83 gi ⏤ 10.93

✓ aM656
10.83 gi ⏤ 10.93

✓ aMg60
Poor image

✓ aMg88
11.11 hi ⏤ 11.21

✓ aML502
Poor image

✓ aM167
Poor image

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1904phae.proj...722B

July 15, 1904.

– Boscian Auskl –

✓ a M 3
10.83 g 2 St 11.03

✓ a M 80
10.83 g 2 St 11.03

✓ a M 1223
11.11 k 1 St 11.21

✓ a M 2177
11.31 k 1 St 11.41

✓ a M 2191
11.31 k 1 St 11.41

✓ a M 2212
11.31 k 1 St 11.41

✓ a M 2299
11.61 k 1 St 11.71

✓ a M 1174
11.11 k 1 St 11.21

✓ a M 1213
11.31 k 1 St 11.41

✓ a M 869
11.31 k 2 St 11.51

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1904phae.proj..7228

July 15, 1904

– Coronal Work –

✓ AM 2280
11.11 hi St 11.21

✓ AM 1435
11.31 hi St 11.41

✓ AM 1194
Missing

✓ AM 1428
11.61 hi St 11.81

✓ AM 1488
11.61 hi St 11.81

✓ AM 1911
11.61 hi St 11.71

✓ A 5623
12.64 q 2 St 12.84

✓ A 5209
12.64 q 3 St 12.94

✓ A 5709
12.64 q 3 St 12.94

✓ A 5688
12.64 q 2 St 12.84

✓ A 5633
12.31 01 St 12.41

✓ A 5643
12.64 q 2 St 12.84

✓ A 5694
12.64 q 2 St 12.84

✓ A 5651
12.64 q 2 St 12.84

✓ A 5659
12.64 q 3 St 12.94

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1904phae.proj..7228

July 20 1904.

S S Sagittarii Star Variable $18^h\ 24^m.6$ $-16°\ 38'$ (1900)
Comp. plates marked on B27447.
and AM 104.

✓ B27447

11.13 m 1 r 11.23 11.23 = 11.23 00 00
11.23 r 2 0 11.43

✓ B 295-30

11.03 m 2 r 11.23 10.93 = 11.08 15 15
10.93 r 2 m 11.13

✓ B10114 Sp.

11.03 m 1 Sp 11.13

✓ B6237 Sp.
Poor pl.

✓ B6137

10.73 2 1 Sp 10.83

✓ B6136

11.13 m 2 r 11.33 11.23 = 11.28 05 05
11.23 r 2 0 11.43

✓ B 6116

11.03 m 1 r 11.13 10.93 = 11.03 10 10
10.93 r 2 m 11.13

✓ B 6110

11.13 m 2 r 11.33 11.33 = 11.33 00 00
11.33 r 1 0 11.43

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1904phae.proj..722B

July 20, 1904.

Star Var. contrast ...?

✓ B4946 Sp.
Poor pl

✓ B4161
11.43 o 2 R 11.63

✓ B4024 Sp.
Poor pl

✓ B3852
11.93 R 3 r 12.23 12.01 = 12.12 11 11
12.01 r 2 R 12.21

✓ B27628
11.03 m 2 r 11.23 10.93 = 11.08 15 15
10.93 r 2 m 11.13

✓ B27409
10.91 L 2 R 11.11

✓ B2638b
11.03 m 2 r 11.23 10.83 = 11.03 20 20
10.83 r 3 m 11.13

✓ B2611
11.03 m 1 R 11.13

✓ B25~~878~~ 523
11.93 R 2 r 12.13 11.91 = 12.02 11 11
11.91 r 3 D 12.21

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1904phae.proj..722B

July 29 1904.

Acer Vat. conf.

✓ B23-391

11.71 p 2r 11.91 11.71 = 11.81 10 10
11.71 r 2 q 11.91

✓ B24343

10.05 q 2r 10.25 10.15 = 10.20 05 05
10.15 r 3 l 10.45

✓ B24213 Sh.

10.73 p 2r 10.93 10.81 = 10.87 06 06
10.81 r 1 l 10.91

✓ B24169 Sh.

10.73 p 2r 10.93 10.81 = 10.87 06 06
10.81 r 1 l 10.91

✓ B23694

10.45 h 2 t 10.65

B23282

11.13 n 2r 11.33 11.13 = 11.23 10 10
11.13 r 3 o 11.43

✓ B23129

11.03 m 2r 11.23 10.83 = 11.03 20 20
10.83 r 3 m 11.13

✓ B22982 Sh.

Poor image

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1904phae.proj...7228

July 29, 1904.

New Var. cont.

✓ B22797

11.03 m 2 r 11.23 10.83 = 11.03 20 20

10.83 r 3 m 11.13

✓ B22702

10.73 b 1 A 10.83

✓ B22093

11.03 m 2 r 11.23 10.93 = 11.08 15 15

10.93 r 2 m 11.13

✓ B22007

11.03 m 1 A 11.13

✓ B21578

10.73 b 1 A 10.83

✓ B21312

1045 b 1 A 10.55

✓ B17038 Sp.

10.73 b 1 r 10.83 10.71 = 10.77 06 06

10.71 r 2 b 10.91

✓ B7692

10.91 b 2 r 11.11 10.83 = 10.97 14 14

10.83 r 2 m 11.03

✓ B9879

11.13 m 2 r 11.33 11.23 = 11.28 05 05

11.23 r 2 0 11.43

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1904phae.proj..722B

July 29, 1904.

New Vac. cont.

✓ B9483 Sp.
10.73 h1 A 10.83

✓ B14044
11.43 01r 11.53 11.51 = 11.52 01 01
11.51 02p 11.71

✓ B14083
11.43 02r 11.63 11.51 = 11.57 06 06
11.51 02p 11.71

✓ B14392 Sp.
Too near edge of film.

✓ B14619 Sp.
11.13 n1 A 11.23

✓ B14620 Sp.
11.43 01 A 11.53

✓ B14744
11.13 n2r 11.33 11.23 = 11.28 05- 05-
11.23 r20 11.43

✓ B15833
10.43- h2 A 10.63-

✓ B16163
11.43 02r 11.63 11.51 = 11.57 06 06
11.51 02p 11.71

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1904phae..proj...7223

July 29, 1904.

New Var. cont.

✓ B16804

11.91 q 2 r 12.11 11.83 = 11.97 14 14

11.83 o 1 s 11.93

✓ B17008

11.71 p 2 r 11.91 11.81 = 11.86 05⁻ 05⁻

11.81 o 1 q 11.91

✓ B28733

10.91 l 2 t 11.11

✓ B28180

10.91 l 2 r 11.11 10.93 = 11.02 09 09

10.93 o 1 m 11.03

✓ B28231

11.03 m 1 r 11.13 10.93 = 11.03 10 10

10.93 o 2 m 11.13

✓ B13727

11.13 m 1 r 11.23 11.23 = 11.23 00 00

11.23 o 2 o 11.43

✓ B13802 Sp.

10.91 l 1 r 11.01 10.93 = 10.97 04 04

10.93 o 1 m 11.03

✓ B13757 Sp.

10.05⁻ q 1 r 10.15 10.25⁻ = 10.20 05⁻ 05⁻

10.25⁻ o 2 h 10.45⁻

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1904phae.proj..722B

July 29, 1904.

New Vau. cont.

✓ B11307 Sh.
10.43 bl ± 10.53

✓ B9852
11.43 01r 11.53 11.51 = 11.52 01 01
11.51 02f 11.71

✓ B9857
Pl. trailed

✓ B8642 Sh.
1 00 near edge of pl.

✓ B8410 Sh.
10.73 bl ± 10.83

✓ B8293 Sh.
11.13 nl ± 11.23

✓ B7720 Sh.
Poor in neg.

✓ B2946 Sh.
Poor in neg.

✓ B17650
11.13 n2r 11.33 11.23 = 11.28 05 05
11.23 02 0 11.43

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1904phae..proj...7228

July 29 1904.

Auw Vat. cont.

✓ B19243

11.71 pr 2r 11.91 11.71 = 11.81 10 10

11.71 r 2q 11.91

✓ B17285 Sh.

10.73 2 1 L 10.83

✓ Q11223 Sh.

Poor in reg.

✓ B19327

11.13 n 1 L 11.23

✓ B20206 Sh.

10.05 q 1 L 10.15

✓ B20450

11.03 m 2r 11.23 10.93 = 11.08 15 15

10.93 r 2 m 11.13

✓ B20470

11.03 m 2r 11.23 10.83 = 11.03 20 20

10.83 r 3 m 11.13

✓ Q25514 Sh.

10.91 1 L 11.01

✓ Q25585 Sh.

Poor in reg. of sun

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1904phae.proj..722B

July 29 1904.

New Var. comp.

✓ l 25603 Sp.
Poor in ugr.

✓ R l 13627
Poor pl

✓ l 15379 Sp.
Too near edge of film

✓ l 11227 Sp.
10.05 g l st 10.15

✓ l 11234 Sp.
10.05 g l st 10.15

✓ l 11153 Sp.
Poor in ugr.

✓ l 13-3-8
Poor pl

✓ l 1725
Poor pl

✓ l 11066 Sp.
9.65 f 2 st 9.85

✓ l 8708 Sp.
10.73 R l st 10.83

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1904phae..proj...722B

July 29, 1904.

Star Vau. cont.

✓ 12089
Poor plate

✓ B2523
Too much edge of film

✓ B2452
10.91 Near 11.11 10.93 = 11.02 09 09
10.93 Other 11.03

✓ B13579
11.71 Plate 11.81 11.71 = 11.76 05 05
11.71 Edge 11.91

✓ B13463 Sp.
Too much edge of film

✓ B11363 Sp.
11.03 Near 11.23 11.03 = 11.13 10 10
11.03 Other 11.13

✓ B11352 Sp.
Poor image

✓ B11321 Sp.
10.45 Near Sp. 10.65

✓ B21285
11.13 Near 11.33 11.23 = 11.28 05 05
11.23 Other 11.43

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1904phae.proj..722B

July 20, 1904.

New Var. cont.

✓ B5275 Sp.
Poor in Mg.

✓ B5451 Sp.
Poor in Mg.

✓ B21257 Sp.
11.03 m 2 R 11.23

✓ B9880
11.43 0 2 r 11.63 11.51 = 11.57 06 06
11.51 0 2 f 11.71

✓ B10225
11.71 f l r 11.81 R
q R

✓ B10224
11.03 m 2 r 11.23 11.03 = 11.13 10 10
11.03 0 1 w 11.13

✓ B10099 Sp.
11.03 m 2 r 11.23 10.93 = 11.08 = 15 15
10.93 0 2 w 11.13

✓ B10085 Sp.
Poor in Mg.

✓ B23025 Sp.
11.03 m 2 r 11.23 10.93 = 11.08 15 15
10.93 0 2 w 11.13

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1904phae..proj..7228

July 29 1904.

New Vou. cont.

✓ B 28620

10.73 klr 10.83 10.71 = 10.77 06 06

10.71 r2l 10.91

✓ B6582 Sp.

Pon in ug.

✓

Knowledge B27167

11.03 m2r 11.23 R.

r4

B23664

11.71 fr2r 11.91 11.81 = 11.86 05 05

11.81 r1q 11.91

✓ B21631

11.13 m1r 11.23 11.23 = 11.23 00 00

11.23 r2d 11.43

✓ B16570

11.91 q1r 12.01 11.83 = 11.92 = 09 09

11.83 r1u 11.93

✓ B3696 Sp.

Purple

✓ B17448

11.13 m2r 11.33 11.13 = 11.23 10 10

11.13 r2d 11.43

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1904phae.proj..722B

July 22, 1904.

New Dat comb.

✓ B30071

10.45 h 2r 10.65 10.63 = 10.64 01 01
10.63 r 1h 10.73

✓ B33339

10.91 l 2r ~~11.11~~
m 1

✓ B32626

11.93 n 1r 12.03 12.01 = 12.02 01 01
12.01 r 2d 12.21

✓ B32355

10.91 l 1r 11.01 10.83 = 10.92 09 09
10.83 r 2m 11.03

✓ B32334

10.91 l 2r 11.11 10.93 = 11.02 09 09
10.93 r 1m 11.03

✓ B32318

11.13 m 2r 11.33 11.23 = 11.28 05 05
11.23 r 2d 11.43

✓ B32014

11.13 m 1r 11.23 11.23 = 11.23 00 00
11.23 r 2d 11.43

✓ B31805

11.13 m 2r 11.33 11.23 = 11.28 05 05
11.23 r 2d 11.43

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1904phae.proj...7228

July 22, 1904.

Swr Van cont.

✓ B31686

11.03 m 2 r 11.23 R
r 1 t

✓ B30865

11.13 m 1 r 11.23 11.23 = 11.23 00 00
11.23 r 2 d 11.43

✓ B30643

11.13 m 2 r 11.33 11.23 = 11.28 05 05
11.23 r 2 d 11,43

✓ B30482

11.03 m 2 r 11.23 10.93 = 11.08 15 15
10.93 r 2 m 11.13

✓ A2800

11.03 m 1 r 11.13 10.93 = 11.03 10 10
10.93 r 2 m 11.13

✓ A2099 Sh.

11.03 m 2 r 11.23 10.93 = 11.08 15 15
10.93 r 2 m 11.13

✓ A2103 Sh

11.13 m 2 f 11.33

J A2757

11.03 m 2 r 11.23 10.83 = 11.03 20 20
10.83 r 3 m 11.13

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1904phae.proj..722B

July 23, 1904.

New Dan cont.

✓ A3371

11.13 m 2 r 11.33 11.23 = 11.28 05 05

11.23 r 2 d 11.43

✓ A4044

11.03 m 2 r 11.23 10.83 = 11.03 20 20

10.83 r 3 m 11.13

✓ A5614

11.03 m 2 r 11.23 10.93 = 11.08 15 15

10.93 r 2 m 11.13

✓ A582

11.13 m 2 r 11.33 11.13 = 11.23 10 10

11.13 r 3 d 11.43

✓ AM104

11.13 m 3 r 11.43 11.23 = 11.33 10 10

11.23 r 2 d 11.43

✓ AM1917

11.13 m 2 A 11.83

✓ AM1559

11.03 m 1 A 11.13

✓ AM1952

11.13 m 2 A 11.33

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1904phae.proj...722F

July 25, 1904.

New Pal. cont.

✓ a C 1461

11.13 m 2 S 11.33

✓ a M 87

10.91 L 2 S 11.11

✓ a M 75

11.03 m 1 S 11.13

✓ a M 68

Pl. trailed

✓ a M 46

Pl. trailed

✓ a M 919

Plan C

✓ a M 888

11.13 m 1 o 11.23 11.23 = 11.23 00 00

11.23 o 2 o 11.43

✓ a M 875

11.13 m 3 o 11.43 11.23 = 11.33 10 10

11.23 o 2 o 11.43

✓ a M 868

11.43 0 1 S 11.53

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1904phae.proj..722B

July 25, 1904.

Stew Van. cont.

✓ aM850

10.73 bi St 10.83

✓ aM835

11.13 n 3 o 11.43 11.23 = 11.33 10 10

11.23 o 2 d 11.43

✓ aM1631

11.43 0 2 St 11.63

✓ aM2072

11.43 0 2 St 11.63

✓ aM153

Pl: trailed

✓ aM28

Tourmaledge

✓ aM10

10.43 h 1 St 10.53

✓ aM1448

10.43 h 2 St 10.63

✓ aM1436

11.13 n 1 St 11.23

✓ aM1424

11.13 n 1 St 11.23

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1904phae.proj..722

July 25, 1904.

New Variants

✓ AM 1287

11.03 m 1 A 11.13

✓ AM 2085

11.13 m 3 r 11.43 11.23 = 11.33 10 10

11.23 0 2 0 11.43

✓ AM 1960

11.43 0 2 A 11.63

✓ AM 1226

11.13 m 2 r 11.33 11.13 = 11.23 10 10

11.13 0 3 0 11.43

✓ AM 1203

10.73 k 1 A 10.83

✓ AM 1191

11.03 m 1 A 11.13

✓ AM 1010

11.13 m 1 A 11.23

✓ AM 959

Poor images

✓ AM 2052

11.43 0 2 A 11.63

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1904phae.proj..722B

July 25, 1904.

New Var. cents

✓ AM 1993
11.43 02 At 11.63

✓ AM 1887
10.91 l2 At 11.11

✓ AM 1874
11.03 m 2 r 11.23 11.03 = 11.13 10 16
11.03 2 1 m 11.13

✓ AM 2335
11.43 02 At 11.63

✓ AM 2200
11.43 02 At 11.63

✓ AM 2184
11.43 02 At 11.63

✓ AM 2143
Class c

✓ AM 2142
11.43 01 At 11.53

✓ AM 1384
11.43 01 At 11.53

✓ AM 1353
11.43 01 At 11.53

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1904phae.proj..722F

July 25, 1904.

Near Dal. cent.

✓ a M 1336

11.13 m 2 f 11.33

✓ a M 1297

11.13 m 1 f 11.23

✓ a C 325

Poor pl.

✓ a C 910

Poor pl.

✓ a C 929

Poor pl.

✓ a C 1019

Poor in neg.

✓ a C 1390

Poor pl.

✓ a C 1517

Poor images.

✓

Isoch. a C 1475

Poor in neg.

✓ a C 1511

9.65 f 1 f 9.75

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1904phae.proj..722B

July 25, 1904.

Stew-Dal. cont.

✓ a C 1518
Poor image

✓ a C 855
9.25 e 2 St 9.45

✓ a C 843
8.87 d 2 St 9.07

✓ a C 780
Poor ph

✓ a C 416
Poor ph

✓ a C 362
Class C

✓ a C 1571
8.87 d 2 St 9.07

✓ a C 1584
Poor ph

✓ a C 2714
8.87 d 2 St 9.07

✓ a C 2757
9.25 e 1 St 9.35

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1904phae.proj...7228

July 25 1904.

Stw Dal. cont.

✓ ac 1749
8.87 d 2 A 9.07

✓ ac 1781
8.32 c 2 A 8.52

✓ ac 1821
10.45 h 2 A 10.65

✓ ac 1859
Pomm nyf.

✓ ac 2485
Pomph

✓ ac 2553
10.91 l 2 A 11.11

✓ ac 1606
Pom ph Class H

✓ ac 1621
Class H

✓ ac 1522
10.45 h 1 A 10.55

✓ ac 1546
10.05 g 2 A 10.25

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1904phae.proj..722B

July 25, 1904.

Two Vacants

✓ a Ce 3725
10.05 g 2 St 10.25

✓ a Ce 3787
10.05 g 1 St 10.15

✓ a Ce 3812
9.65 f 1 St 9.75

✓ a Ce 3859
Poor image.

✓ a Ce 3899
Poor image.

✓ a Ce 1624
Class F

✓ a Ce 1632
Double

✓ a Ce 1675
Poor image.

✓ a Ce 1730
10.05 g 1 St 10.15

✓ a Ce 2625
Poor image

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1904phae.proj...7228

July 25, 1904.

New Var. cont.

✓ ab2673
Poor im ug.

✓ ab2771
9.25⁻ d / Ā 9.35⁻

✓ ab2788
8.87 d / Ā 8.97

✓ ab2815⁻
9.65⁻ f / Ā 9.75⁻

✓ ab3503
Poor pl

✓ ab3599
Poor im ug.

✓ ab3651
Poor im ug.

✓ ab3693
10.05⁻ g / Ā 10.15⁻

✓ ab1828
Poor pl

✓ ab1845
11.03 m / r 11.13 11.03 = 11.08 05⁻ 05⁻
11.03 o / m 11.13

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1904phae.proj...722B

July 25, 1904.

New Van. comet

✓ aC2568
Poor plate

✓ aC2612
11.03 m 10 11.13 11.03 = 11,08 05 03
11.03 a 1 N 11.13

✓ aC2655
10.91 h 2 At 11.11

✓ aC377
10.05 g 2 At 10.23

✓ aC471
Poor plate

✓ aC858
10.43 h 2 At 10.63

✓ aC868
Poor image

✓ aC936
Poor plate

✓ aC948
Poor in neg.

✓ aC963
Poor in neg.

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1904phae.proj...722F

July 25, 1904.

Stew-Var. cont:

✓ aC1462

11.03 m2r 11.23 11.03 : 11.13 10 16

11.03 r 1 w 11.13

✓ aC1501

Poor fl.

✓ aC1527

11.13 m2 A 11.33

✓ aC1618

11.03 m2 A 11.23

✓ aC1655

9.65 f 1 A 9.75

✓ aC1699

Poor fl.

✓ aC1722

10.05 g2 A 10.25

✓ aC1780

9.65 f2 A 9.85

✓ aC2691

11.43 o2 A 11.63

✓ aC2715

10.73 k1 A 10.83

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1904phae.proj..722B

July 25, 1904.

New Var. cont.

✓ ab 2778
11.13 m 1 ⊼ 11.23

✓ ab 2837
Poor in ug. of var.

✓ ab 2847
Poor in ug.

✓ ab 2910
11.03 m 2 ⊼ 11.23

✓ ab 2961
9.25 e 2 ⊼ 9.45

✓ ab 3601
9.25 e 2 ⊼ 9.45

✓ ab 3702
11.13 m 2 ⊼ 11.33

✓ ab 3836
10.73 k 1 ⊼ 10.83

✓ ab 3857
10.73 k 1 ⊼ 10.83

✓ ab 3933
10.05 g 1 ⊼ 10.15

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1904phae.proj...7228

July 25, 1904.

Aur Dal. cont.

✓ AC 360

10.43 h 2 St 10.63

✓ AM 931.

Poor image

AM 1409

11.13 m 3 r 11.43 11.23 = 11.33 10 10

11.23 d 20 11.43

✓ AM 1483

10.91 l 2 St 11.11

✓ AM 1543

Poor image

✓ AM 433

Poor pb

✓ AM 239

11.03 m 2 St 11.23

✓ AM 204

11.13 m 1 St 11.23

✓ AM 116

Poor image

✓ AM 500

10.48 h 2 St 10.63

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1904phae.proj..722B

July 25, 1904.

New Var. cent.

✓ a Mg 24 Class C

✓ a Mg 29 Class C

✓ a M 1522 ~~Poor image~~ Serial eph.

✓ a M 1594
10.45 k 2 Sr 10.65

✓ a M 1524
11.13 m 2 r 11.33 11.13 = 11.23 10 10
11.13 r 3 0 11.43

✓ a M 1523
11.43 0 2 Sr 11.63

✓ a M 1492
11.43 0 1 Sr 11.53

✓ a Mg 16 Class C

✓ a Mg 11 Class C

✓ a M 897
10.73 k 1 Sr 10.83

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1904phae.proj...7223

Stew Dal. cont.

✓	aM818		
11.13		m1 St	11.23
✓	aM1270		
10.73		k1 St	10.83
✓	aM1251		
10.73		k1 St	10.83
✓	aM1237		
10.45		k1 St	10.55
✓	aM1051		
10.05		g2 St	10.25
✓	aM1921		
10.73		k1 St	10.83
✓	aM2244		
10.45		k2 St	10.65
✓	aM2147		
11.03		m2 St	11.23
✓	aM2129		
11.03		m1 St	11.13
✓	aM2109		
11.43		o2 St	11.63

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1904phae.proj..722B

July 25, 1904.

Star Val. cont.

✓ AM 1028
11.13 m 2 St 11.33

✓ AM 907
11.13 m 1 St 11.23

✓ AM 856
Class C

✓ AM 854
Class C

✓ AM 817
11.43 o 2 St 11.63

✓ AM 808
11.43 o 2 St. 11.63

✓ AM 802
10.73 p 1 St 10.83

✓ AM 614
10.05 g 1 St 10.15

✓ AM 1414
10.73 p 1 St 10.83

✓ AM 1406
Class C

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1904phae..proj...7228

July 25, 1904.

New Var. cont.

✓ AM 1528
11.43 o 2 f 11.63

✓ AM 1470
11.13 m 2 f 11.33

✓ AM 1487
11.13 m 2 r 11.33 11.23 = 11.28 05 05
11.23 r 2 o 11.43

✓ AM 1461
11.13 m 2 f 11.33

✓ AM 1437
10.73 k 1 f 10.83

✓ AM 2261
10.45 h 2 f 10.65

✓ AM 1278
11.03 m 2 r 11.23 11.03 = 11.13 10 10
11.03 r 1 m 11.13

✓ AM 1252
10.91 l 1 f 11.01

✓ AM 1236
10.73 k 2 f 10.93

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1904phae.proj.,722

July 25, 1904

Star Val cont.

✓ AM 1043

11.03 m 1 St 11.13

✓ AM 577

10.73 b 2 r 10.93 10.71 = 10.82 11 11

10.71 o 2 l 10.91

✓ AM 538

11.03 m 1 St 11.13

✓ AM 461

10.73 b 2 St 10.93

✓ AM 154

Pan pl.

✓ AM 137

10.91 b 2 St 11.11

✓ AM 99

Pan image

✓ AM 15

10.73 b 1 St 10.83

✓ AM 1422

11.13 m 1 St 11.23

✓ AM 953

10.91 b 1 St 11.01

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July 25, 1904.

New Dav. cont.

✓ a M 1918

10.73 b 2r 10.93 10.81 = 10.87 d6 d6
10.81 d 1 b 10.91

✓ a M 1554

10.05- g 2 1- 10.25-

✓ a M 1553

10.05- g 2 1- 10.25-

✓ a M 1546

10.43- h 1 1- 10.35-

✓ a M 1542

9.65- f 1 1- 9.75-

✓ a M 685-

10.73 b 1 1- 10.83

✓ a M 566

11.13 m 2r 11.33 11.33 = 11.33 00 00
11.33 d 1 g 11.43

✓ a M 539

11.13 m 1 1- 11.23

✓ a M 511

Poor image

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1904phae.proj..7228

July 25, 1904.

Near Dal. conf.

✓ AM2279
11.13 m 1 St 11.23

✓ AM2260
11.13 m 1 St 11.23

✓ AM2245
Poor image.

✓ AM2137
11.43 02 St 11.63

✓ AM2119
10.91 h 1 St 11.01

✓ AM2110
11.13 m 1 St 11.23

✓ AM1961
10.45 h 1 St 10.55

✓ AM2034
11.13 m 2 St 11.33

✓ AM922
Class C

✓ AM1454
10.05 g 2 St 10.25

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1904phae.proj...7228

July 25, 1904.

New Var. cont.

√ AM 797

10.73 R1 A 10.83

√ AM 1574

10.05 g1 A 10.15

√ AM 402

Pl. trailed.

√ AM 1488

11.13 m2 r 11.33 11.23 = 11.28 05 05

11.23 r 2 0 11.43

√ AM 1428

11.03 m 2 r 11.23 10.93 = 11.08 15 15

10.93 r 2 m 11.13

√ AM 2280

11.13 m2 A 11.33

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1904phae.proj..722B

Aug. 2, 1904.

U Coronae Austr.

h m
18 32.6 -37° 5'

Comp. plate on B 14498.

✓ B14498

9.02 f ir 9.12 9.34 = 9.23 11 11
9.34 o 1g 9.44

✓ B24414

10.61 l ir 10.71 10.73 = 10.72 01 01
10.73 r 2 m 10.93

✓ B24921

10.93 m 2 r 11.13 11.05 = 11.09 04 04
11.05 r 2 m 11.25

✓ Bg855
Too near corner.

✓ Bg585 Sp.
Too near edge of film.

✓ B6919
Poor in neg.

✓ B6133
Too poor.

✓ B6112
9.84 h 1 f 9.94

✓ B.3896
9.44 g 2 r 9.64 9.64 = 9.64 00 00
9.64 r 2 h 9.84

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1904phae..proj..7228

Aug. 2, 1904.

N Coronae Rush.

✓ B17487

9.44 g2r 9.64 9.64 = 9.64 00 00
9.64 r2h 9.84

✓ B21994

9.84 h1r 9.94 9.99 = 9.96 02 03
9.99 r2k 10.19

✓ B21283

10.19 k3r 10.49 10.41 = 10.45 04 04
10.41 r2l 10.61

✓ B23535

Coronae edge.

✓ B25967

10.61 l1r 10.71 10.63 = 10.67 04 04
10.63 r3m 10.93

✓ B17143

10.19 k3r 10.49 10.31 = 10.40 09 09
10.31 r3l 10.61

✓ B17095

10.19 k3r 10.49 10.41 = 10.45 04 04
10.41 r2l 10.61

✓ B16989

9.44 g1r 9.04 9.64 = 9.59 05 05
9.64 r2h 9.84

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1904phae.proj..722B

Aug. 2, 1904.

R Coronae Aust.

✓ B16887

9.44 g2 9.64 9.64 = 9.64 00 00
9.64 2h 9.84

✓ B16718

9.44 g2 9.64 9.64 = 9.64 00 00
9.64 2h 9.84

✓ B16639

9.44 g2 9.64 9.54 = 9.59 05 05
9.54 3h 9.84

✓ B16578

9.44 g2 9.64 9.64 = 9.64 00 00
9.64 2h 9.84

✓ B16421

9.44 g2 9.64 9.54 = 9.59 05 05
9.54 3h 9.84

✓ B23969

9.44 g1 9.54 9.54 = 9.54 00 00
9.54 3h 9.84

✓ B23776

9.44 g2 9.64 9.64 = 9.64 00 00
9.64 2h 9.84

✓ B23750

9.44 g3 9.74 9.64 = 9.69 05 05
9.64 2h 9.84

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1904phae.proj..722B

Aug. 2, 1904.

U Coronae Austr.

✓ B23666

9.44 g3r 9.74 · 9.64 = 9.69 05 05
9.64 r2h 9.84

✓ B23074

10.19 b3r 10.49 10.41 = 10.45 04 04
10.41 r2l 10.61

✓ B23064

10.19 b3r 10.49 10.41 = 10.45 04 04
10.41 r2l 10.61

✓ B23059

10.93 m2r 11.13 10.95 = 11.04 09 09
10.95 r3m 11.25

✓ B22514

9.02 f2r 9.22 9.24 = 9.23 01 01
9.24 r2g 9.44

✓ B22481

9.02 f3r 9.32 9.24 = 9.28 04 04
9.24 r2g 9.44

✓ B22169

9.44 g2r 9.64 9.64 = 9.64 00 00
9.64 r2h 9.84

✓ B22070

9.44 g3r 9.74 9.64 = 9.69 05 05
9.64 r2h 9.84

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1904phae.proj..722B

Aug. 2, 1904.

H Coronae Austr.

✓ B16230

9.44 g3r 9.74 9.54 = 9.64 10 10
9.54 o3h 9.84

✓ B16165

9.02 f1r 9.12 9.24 = 9.18 06 06
9.24 o2g 9.44

✓ B16148

9.02 f1r 9.12 9.24 = 9.18 06 06
9.24 o2g 9.44

✓ B15531

11.25 m3r 11.55 11.47 = 11.51 04 04
11.47 o2o 11.67

✓ B13457

11.67 o1f 11.77

✓ B14590

9.02 f2r 9.22 9.34 = 9.28 06 06
9.34 o1g 9.44

✓ B13786 Sh.

10.19 k1f 10.29

✓ B13755 Sh.

10.19 k1f 10.29

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1904phae.proj..7228

Aug. 2 1904.

U Coronae Clusk.

B13534

Toomuch edge.

✓ B11940

10.61 b1v 10.71 10.83 = 10.77 06 06

10.83 v1m 10.93

✓ B11538

9.44 g2v 9.64 R

R

✓ B11533-Sp.

Too much edge.

✓ B10472

10.93 m1v 11.03 11.15 = 11.09 06 06

11.15 v1m 11.25

✓ B10459

10.93 m2v 11.13 10.95 = 11.04 09 09

10.95 v0m 11.25

✓ B17239

10.19 b3v 10.49 10.31 = 10.40 09 09

10.31 v3l 10.61

✓ B31962

10.19 b2v 10.39 10.41 = 10.40 01 01

10.41 v2l 10.61

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1904phae.proj..722B

Aug. 2, 1904.

α Coronae Austr.

✓ B31955

9.84 h 2 r 10.04 9.99 = 10.02 02 03
9.99 r 2 k 10.19

✓ B31881

10.19 k 2 r 10.39 10.31 = 10.35 04 04
10.31 r 3 l 10.61

✓ B31863

10.19 k 2 r 10.39 10.31 = 10.35 04 04
10.31 r 3 l 10.61

✓ B31856

9.44 g 2 r 9.64 9.74 = 9.69 05 05
9.74 b 1 h 9.84

✓ B31733

9.84 h 2 r 10.04 9.99 = 10.02 02 03
9.99 r 2 k 10.19

✓ B30972

9.84 h 2 r 10.04 9.89 = 9.96 08 07
9.89 r 3 k 10.19

✓ B30871

10.19 k 2 r 10.39 10.31 = 10.35 04 04
10.31 r 3 l 10.61

✓ B30363

9.64 g 2 h 9.84 9.64 R =

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1904phae..proj..722B

N Coronae Austr.

✓ B30340

9.02 f 3 o 9.32 9.24 = 9.28 04 04
9.24 o 2 g 9.44

✓ B30331

9.02 f 3 o 9.32 9.14 = 9.23 09 09
9.14 o 3 g 9.44

✓ B30310

9.44 g 1 o 9.54 9.54 = 9.54 00 00
9.54 o 3 h 9.84

✓ B30110

8.64 e 2 o 8.84 8.82 = 8.83 01 01
8.82 o 2 f 9.02

✓ B30076

9.02 f 3 o 9.32 9.24 = 9.28 04 04
9.24 o 2 g 9.44

✓ B30016

9.02 f 3 o 9.32 9.34 = 9.33 01 01
9.34 o 1 g 9.44

✓ B29527

10.61 l 1 o 10.71 10.73 = 10.72 01 01
10.73 o 2 m 10.93

✓ B29262

10.61 l 2 o 10.81 10.83 = 10.82 01 01
10.83 o 1 m 10.93 Meas. of this pair cont. in Bk 16.

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1904phae.proj..722B

June 23 1904.

Remeas. of S Lupi & Comp.

S Lupi B21569
h 2 r
o 2 l

Comp. l 2 r
o 2 m

B27645
S Lupi h 2 l ?

Comp. l 2 r ?
o 1 m ?

✓ B9538
S Lupi e 2 r
o 1 l

✓ Comp. l 2 r
o 2 l

B14281
S Lupi h 2 r
o 2 l

Comp. l 2 r
o 3 l

B9671
S Lupi e 2 r
o 2 l

✓ Comp. h 2 r
r 1 l

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1904phae.proj...722B

June 23, 1904.

S Lupi + Comp. cont.

B 17116

S Lupi fr 2 St

Comp. l 2 r
r 1 m

B 20277

S Lupi fr 1 St

Comp. m 1 r
r 2 m

B 21101

S Lupi l 1 St

Comp. e 2 r
r 3 f

B 5-237

S Lupi 0 1 St

Comp. l 1 r
r 2 m

B ~~25174~~ 5-23

S Lupi m 1 St

Comp. l 2 r
r 3 m

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1904phae.proj..722B

June 23, 1904.

δ Lupi + Comp. cont.

✓ B3703

δ Lupi fp 1 A

Comp. l 2 r

✓ a 2 m

✓ B13336

δ Lupi e 2 r

a 2 f

Comp. fp 1 A

B15888

δ Lupi e 2 r

a 2 f

Comp. k 1 r

a 2 l

✓ B18529

δ Lupi l 1 A

Comp. l 1 A

B21961

δ Lupi fp 1 A

Comp. l 2 r

✓ a 1 m

δ Lupi B25724 fp 2 A Comp. m 1 r a 1 m

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1904phae.proj..722B

B25-863

S Lupi k1s

Comp. k1s
α1L

B27636

S Lupi. m1s
α2m

Comp. m1s?
α1

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THE

ASTRONOMICAL OBSERVATORY

OF

HARVARD COLLEGE

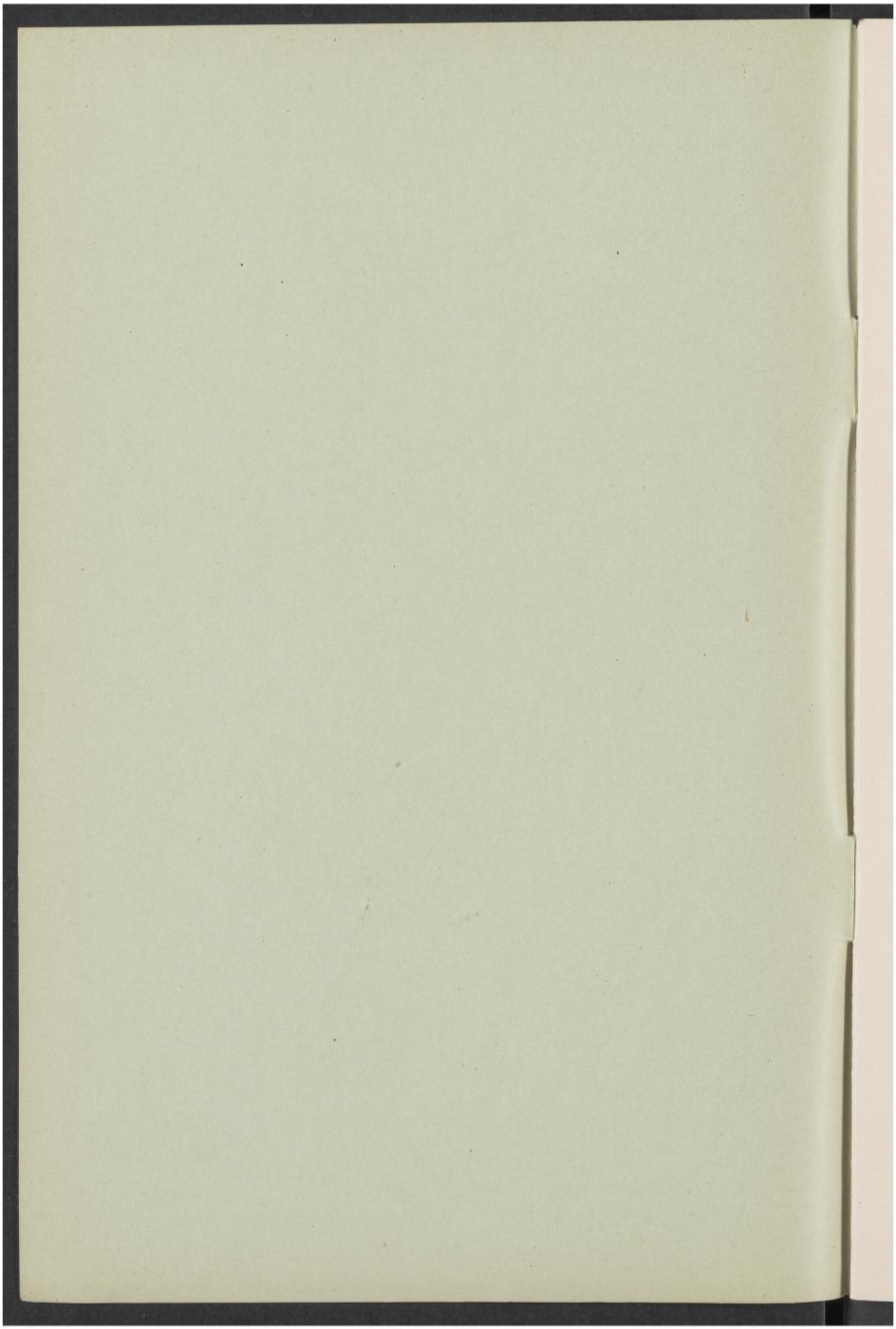
SECOND THOUSAND



CAMBRIDGE, MASS.
1904

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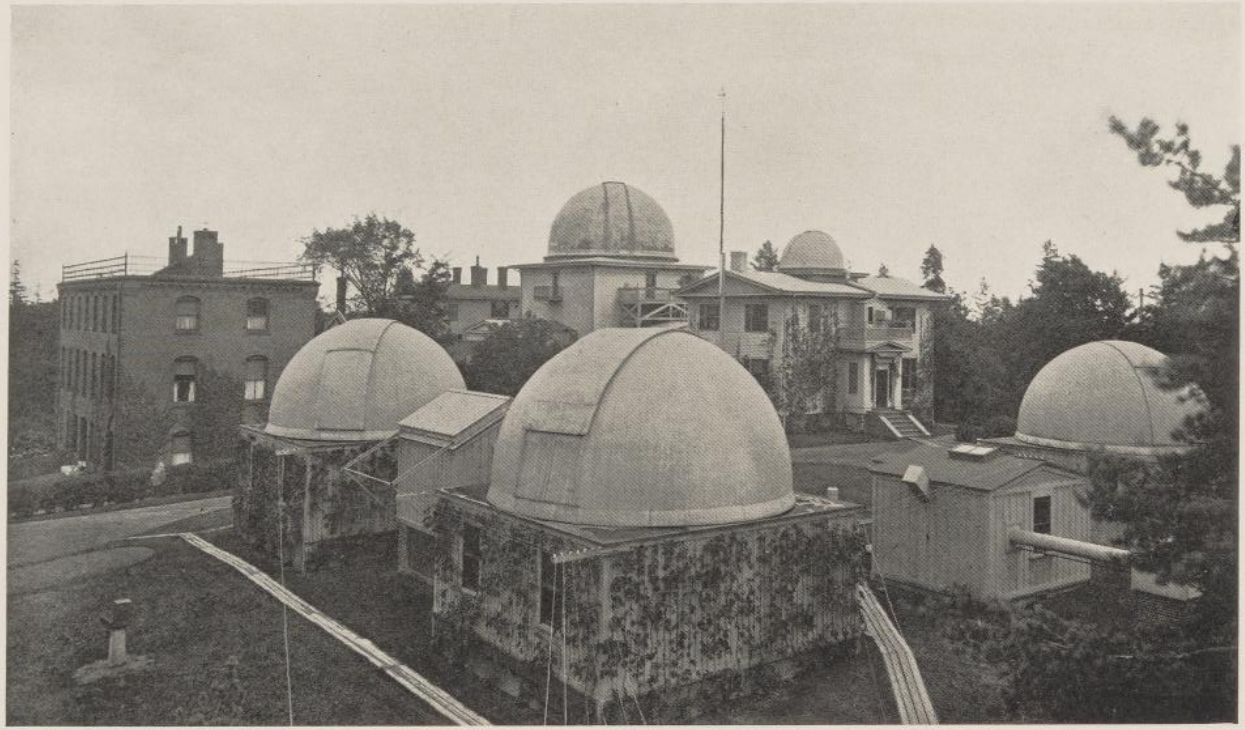
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CAMBRIDGE STATION

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THE

ASTRONOMICAL OBSERVATORY

OF

HARVARD COLLEGE

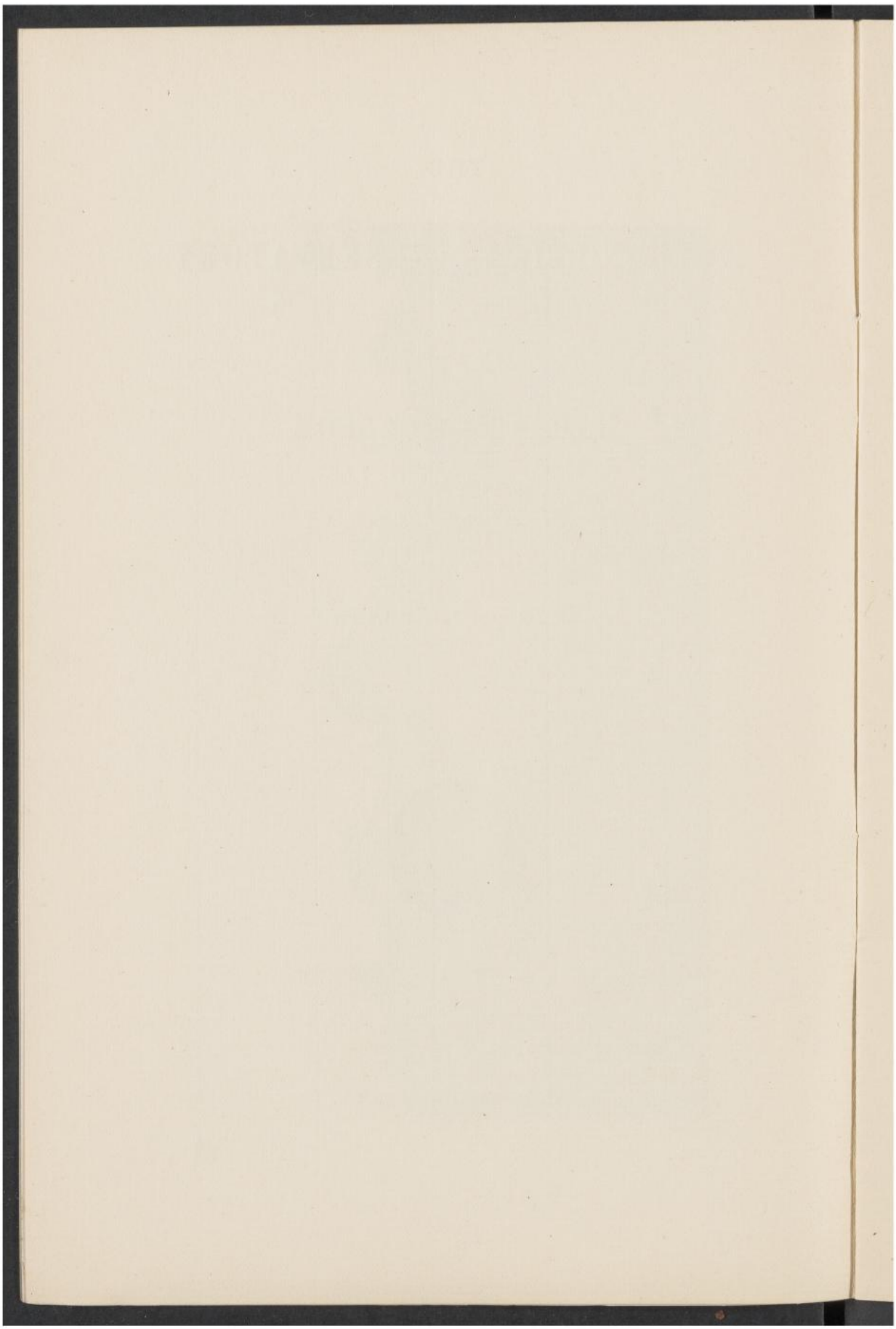
SECOND THOUSAND



CAMBRIDGE, MASS.
1904

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THE ASTRONOMICAL OBSERVATORY
OF
HARVARD COLLEGE.

The Astronomical Observatory of Harvard College may be regarded as having been established by the appointment of the late William Cranch Bond as Astronomical Observer. He entered upon his duties at the beginning of 1840. The public interest in Astronomy, excited by the appearance of the Comet of 1843, enabled funds to be obtained by subscription for the purchase of a large telescope, which, when mounted in 1847, had no superior, and but one equal, in the world.

The resources of the Observatory have since that time been increased by various subscriptions, gifts, and bequests, of which those resulting from the wills of Edward B. Phillips, in 1849, and Robert Treat Paine, in 1886, provide for a large part of the general expenses of the institution.

The Henry Draper Memorial, established by Mrs. Henry Draper of New York, in 1886, for the continuation of the researches interrupted by the death of her distinguished husband, furnishes the means of studying the spectra and other physical properties of the stars.

A fund was left by the late Uriah A. Boyden to establish an observing station at an altitude where the atmospheric conditions would be favorable to astronomical investigation, and this fund was transferred by its trustees, in 1887, to the Observatory. After numerous trials of different locations in Colorado, California, Chile, and Peru, the proposed station was established near Arequipa, Peru, at an altitude of 8,060 feet. By thus maintaining a station south of the equator, work at Cambridge may be extended to the southern stars. Accordingly, all important researches undertaken here are made to include stars in all parts of the sky, from the north to the south pole.

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The entire invested capital of the Observatory is now nearly one million dollars, and its annual income about fifty thousand dollars. The expenditures for buildings and large instruments have been small, and have been paid mainly from the income. About forty persons, one half of whom are women, take part in the work of the Observatory.

Cambridge Station.

The observation of the northern stars, the study, care, and storing of all the photographs, the discussion of the results, and the preparation for publication, are included in the work at the Cambridge Station of the Observatory. The principal instruments there are the 15-inch Equatorial, the 8-inch Meridian Circle, the 24-inch Reflector, the 12-inch Meridian Photometer, the 11-inch Draper Telescope, and the 8-inch Draper Telescope. Numerous smaller instruments are also in regular use.

About 150,000 photographs are contained in a fire-proof building especially constructed for them. They furnish the only history that exists of the entire stellar universe. All stars from the north to the south pole, and of the eleventh magnitude and brighter, appear on a large number of photographs. Their position and brightness are thus shown on from one hundred to two hundred nights, distributed over the last fifteen years. The number of photographs of the bright stars is much greater. Seven thousand photographs have been taken with the Bruce Telescope, and many of them show stars as faint as the sixteenth magnitude. The spectra of all stars as faint as the ninth magnitude, and many that are fainter, are shown on the Draper Memorial photographs.

Arequipa Station.

The principal instruments are the 24-inch Bruce Photographic Telescope, the 13-inch Boyden Telescope, the 8-inch Bache Telescope, and the 4-inch Meridian Photometer. The Bruce Telescope, the gift of the late Miss Catherine W. Bruce, of New York, has a photographic doublet of twenty-four inches aperture as an objective, and is the largest instrument of the kind as yet constructed. Photographs covering a

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region of six by seven degrees are obtained with it, on a scale of one minute to a millimetre. For several years, and until the material for a determination of the climatic conditions had been collected, observations were maintained at a line of meteorological stations, beginning at the Pacific and crossing the Andes to the valley of the Amazon. These stations were located at Mollendo (altitude 100 ft.), La Joya (4,150), Arequipa (8,060), Alto de los Huesos (13,300), Mt. Blanc (15,600), El Misti (19,200), Vincocaya (14,600), Puno (12,500), Cuzco (11,000), and Santa Ana (3,000). Self-recording instruments were maintained, and publication of the results is now in progress.

The Blue Hill Meteorological Observatory.

This Observatory, established by Mr. A. L. Rotch in 1885, is maintained and directed by him. Complete records are obtained by direct observation, and by self-recording instruments. Special investigations have also been carried on, such as the study of clouds, and the exploration of the upper air by meteorographs attached to kites. An altitude of 15,800 feet has in this way been reached. The results are published in full in the Annals of the Harvard Observatory.

Library.

The library at the Cambridge Station contains about 11,000 volumes and 18,000 pamphlets. The library at Blue Hill contains about 5,000 volumes and 3,400 pamphlets. A working library containing several hundred volumes is also maintained at Arequipa.

Publications.

The results of the work of the Observatory fill fifty quarto Volumes of Annals. Eighty Circulars have also been issued, giving a brief and prompt publication of discoveries made here and of new methods of work, also Annual Reports and minor publications. A series of neostyle bulletins and telegrams is used for such discoveries, made here or elsewhere, as require immediate announcement.

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Policy of the Observatory.

The policy of the Astronomical Observatory of Harvard College, since its establishment, has been the development of the physical side of Astronomy. While much time and money have been spent on the determination of the positions and motions of the stars, the work has been mainly in determining their brightness, spectra, and other physical properties. In recent years, routine investigations on an extensive scale, each occupying many years, have constituted the principal portion of the work. When practicable, every investigation is made to cover the entire sky, the northern stars being observed at Cambridge, and the southern at the station in Arequipa. An attempt is made to secure the most favorable conditions for observation and to employ new and improved methods to compensate for the lack of instruments of the largest size.

This work is greatly extended and facilitated by the collection of photographs mentioned above, and an endowment should be provided for utilizing it to the utmost. When any new object is discovered, we have here the only existing means of studying its past history for many years. As examples may be mentioned Nova Aurigae, the planet Eros, and Comet a, 1904. The only evidence of the existence of these bodies before they were discovered was that contained in the Harvard photographs. The changes of all newly discovered variables, or other objects, can thus be traced back through the last fifteen years. Doubtless many objects of the greatest interest, but not yet discovered, might be found from these plates.

The Observatory now aims to cover a still wider field. Large sums of money have hitherto been given to Astronomy, much of which, for lack of good advisers or of a technical knowledge of the subject by the donor, has been unwisely expended. There are, therefore, many large telescopes which are idle, observatories insufficiently endowed, and skilful astronomers whose appliances for research are entirely inadequate. It is the object of this Observatory to supply these needs, by securing a Fund the income of which could be used

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for aiding astronomers in all parts of the world. Such a Fund, conscientiously administered, either here or elsewhere, should give far greater scientific returns than would be possible if expended at a single station. It would aid the work, not of a single astronomer, but of a selected number of the most eminent specialists in the world, and by coöperation would enable investigations, too large to be undertaken at a single observatory, to be conducted successfully. The sympathetic interest of experts, ready and able to make substantial grants, would greatly aid the work of young or isolated astronomers of ability.

The character and variety of the work is illustrated by the list given below, of the principal discoveries, inventions, new methods of work, and investigations, a part or the whole of which have been made at this Observatory.

Early Work.

The Electric Method of Determining Longitudes and Star Places. 1848. (Annals **1**, pages xxiii and xlix.) W. C. Bond, Director.

The Distribution of Accurate Time Signals by Telegraph. 1851. (Annals **1**, page clxx.)

The First Determination of Precise Positions of very Faint Stars. 1852. (Annals **1**, Part II, **2**, Part II, and **6**.)

Study of the Planet Saturn, and Discovery of the Faint Satellite, Hyperion. 1847 to 1856. (Annals **2**, Part I.)

Detailed Study of Donati's Comet. 1858. (Annals **3**.) G. P. Bond, Director.

Observations of the Great Nebula of Orion. 1857 to 1865. (Annals **5**.)

Observations of Solar Spots. 1847 to 1849. (Annals **7**.)

Application of Photography to Astronomy. 1850 and 1857.

Determination, by the U. S. Coast Survey, of the Starting Point of Longitudes in the United States, in 1866, 1870, and 1872. Joseph Winlock, Director.

A Series of Astronomical Engravings. 1876. (Annals **8**.)

Photometric Researches, by C. S. Peirce. 1872 to 1875. (Annals **9**.)

Catalogue of 8627 Stars in Zones $+50°$ to $+55°$ and other stars, observed by William A. Rogers. 1870 to 1884. (Annals **10**, **12**, **15**, **16**, **25**, **35**, and **36**.)

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Later Work.

Photometric Comparison of Adjacent Stars. (Annals **11**, Part I.)

First Photometric Measures of very Faint Stars. (Annals **11**, Part II.)

Photometric Measures of Jupiter's Satellites while undergoing eclipse, 1879 to 1904. 762 Eclipses. (Annals **52**, in press.)

Standard Magnitudes of large numbers of stars, on a uniform scale, observed with the Meridian Photometer. All stars of sixth magnitude and brighter, north of —30° (Annals **14**, **23**, and **44**); south of —30° (Annals **34**); stars of seventh magnitude and brighter (Annals **45** and **46**); stars from the seventh to the tenth magnitudes (Annals **24** and **34**). About 94,000 photometric settings have been made with the 2-inch, and 1,000,000 with the 4-inch, Meridian Photometers.

Photometric Magnitudes of Stars of the thirteenth magnitude and brighter, determined with the 12-inch Meridian Photometer. About 400,000 settings have been made with this instrument.

Precise Photometric Determinations of Light Curves of Variables, with the 15-inch Equatorial. (Annals **49**, in press.)

Continuous following of Variables of Long Period, by Argelander's Method, 1889 to 1904. (Annals **37**.)

Catalogue of 7,959 Stars in Zones —10° to —14°, observed with the Meridian Circle.

The Almucantar, 1884 to 1885. (Annals **17**.)

Geographical Position of the Arequipa Station. (Annals **48**, No. 9.)

Blue Hill Meteorological Observations. 1887 to 1904. (Annals **20**, **30**, **40**, **42**, and **43**.)

Observations of the New England Meteorological Society. 1888 to 1895. (Annals **21**, **31**, and **41**.)

Meteorological Observations on Pike's Peak. 1874 to 1888. (Annals **22**.)

Miscellaneous Researches, mainly Photographic. (Annals **18**, **29**, **33**, **41**, and **48**.)

Photographic Researches with 8-inch Doublets. (Annals **26**.)

The Draper Catalogue, giving the Spectra of 10,351 Stars. (Annals **27**.)

Detailed Study of Spectra of 681 northern and 1,122 southern Stars. (Annals **28**.)

Comparison Stars and Light Curves of about 200 Variable Stars, discovered from the photographs at Cambridge. (Annals **47**, in press.)

The Moon and Planets. (Annals **32**.)

A Photographic Atlas of the Moon. (Annals **51**.)

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Phoebe, the Ninth Satellite of Saturn. (Annals **53**, No. 3.)

The Cluster ω Centauri. Measures of 128 Variables on 124 plates, and Discussion of their Light Curves. (Annals **38**.)

Peruvian Meteorology. (Annals **39**.)

Stars having Peculiar Spectra, found from the Draper Photographs, with a Classification including Variables of Long Period.

Photographic Photometry, including 40,000 Standards, one in each square degree, and 8,000 Stars measured out of focus.

A Photographic Map of the Sky, consisting of 55 glass plates, distributed among astronomers at less than cost. It is estimated that nearly 2,000,000 stars appear on this set of plates.

Needs of the Observatory.

The organization of the Observatory at the present time enables it to undertake large pieces of routine work in what is believed to be an efficient and economical manner. Its location enables it to secure at reasonable salaries the services of an indefinite number of assistants competent to carry on important routine work. An almost unlimited amount of valuable material might be extracted from the collection of photographs mentioned above. It is believed that the sum of $5,000 annually would permit a corps of six or eight assistants to be employed in this way, the results to be reduced, and published every year in a quarto volume of the Annals, containing two or three hundred pages.

The principal buildings of the Observatory are of wood, old, and liable to destruction by fire. The library is one of the finest of its kind, and its loss would be irreparable. A modern, fire-proof, building to replace the main building could be erected for $100,000. Instead of this, two smaller buildings, one to contain the library, the other for the photographic laboratory and workshop, could be erected for about $20,000 each. Either of these buildings would form an excellent memorial. The reflector of five feet aperture, which belonged to the late A. A. Common, is offered for sale for $7,500. Such an instrument would be admirably adapted to determining the brightness of the faintest stars yet known, and would greatly aid in extending our knowledge of the limits of the Universe. The sum of $50,000 to $100,000, if expended during the next few years, would supply nearly all of these wants. The anonymous fund

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(1902) of $20,000 was used for such objects, and illustrates the results that might be obtained. With it, a three-story fire-proof building was erected which will safely store 200,000 glass photographs, a reflector of 24-inches aperture has been constructed, a second similar reflector is in process of construction, and after its completion a balance of several thousand dollars will remain. Most important of all, if the plan outlined above, for aiding other astronomers, could be wisely and successfully carried out with competent advisers, it would do more for advancing Astronomy to a higher plane than any other expenditure that could be made.

Below is a list of the Annals, with the titles, or subjects treated in them. A list is also given of the present officers of the Observatory, with the year of appointment. The departments are given in parentheses for those not appointed by the Corporation. It will be noticed that notwithstanding the large increase in the number of officers of the Observatory in recent years, the average term of office of the entire corps of forty-three officers is 13.2 years. The average term for the half who have been here longest is 19.4 years, while for the eleven officers appointed by the Corporation it is 21.6 years.

List of Annals.

Vol. I. Part I.	History and Description of the Observatory, 1840–1855.
" " " II.	Zone Catalogue. Dec. 0° 0′ to + 0° 20′.
Vol. II. Part I.	Observations of the Planet Saturn.
" " " II.	Zone Catalogue. Dec. + 0° 20′ to + 0° 40′.
Vol. III.	Account of the Great Comet of 1858.
Vol. IV. Part I.	Catalogue of Standard Stars.
" " " II.	Observed Right Ascensions of 505 Stars.
Vol. V.	The Great Nebula of Orion.
Vol. VI.	Zone Catalogue. Dec. + 0° 40′ to + 1° 0′.
Vol. VII.	Observations of Solar Spots.
Vol. VIII. Part I	Historical Account of the Observatory, 1855–1876.
" " " II.	Astronomical Engravings.
Vol. IX.	Photometric Researches, 1872–1875.
Vol. X.	Meridian Circle Observations, 1871–1872.
Vol. XI. Part I.	Photometric Observations, 1877–1879. Double Stars.

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Vol. XI. Part II.	Photometric Observations, 1877–1879. Faint Stars.
Vol. XII.	Meridian Circle Observations, 1874–1875.
Vol. XIII. Part I.	Micrometric Measurements, 1866–1881.
" " " II.	Photometric Zone Observations, 1882–1886.
Vol. XIV. Part I.	Meridian Photometer, 1879–1882. Observations.
" " " II.	Meridian Photometer, 1879–1882. Discussion.
Vol. XV. Part I.	Catalogue of 1213 Stars.
" " " II.	Zone Catalogue of 8627 Stars.
Vol. XVI.	Observations of Fundamental Stars, 1870–1886.
Vol. XVII.	The Almucantar, 1884–1885.
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" " " III.	Photometric Observations of Asteroids.
" " " IV.	Total Eclipse of the Moon. Jan. 28, 1888.
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" " " VI.	Detection of New Nebulae by Photography.
" " " VII.	A Photographic Determination of the Brightness of the Stars.
" " " VIII.	Index to Observations of Variable Stars.
" " " IX.	Meridian Circle Observations of Close Polar Stars.
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Vol. XX. Part I.	Blue Hill Met. Observations, 1887.
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Vol. XXIII. Part I.	Discussion of Observations with the Meridian Photometer.
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Vol. XXV.	Comparison of Positions of Stars.
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" " " II.	Miscellaneous Investigations of the Henry Draper Memorial.
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Vol. XXX. Part I.	Blue Hill Met. Observations, 1889.
" " " II.	Blue Hill Met. Observations, 1890.
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" " " VIII.	Observations of Comets.
" " " IX.	Satellites of Mars in 1881–1882.
" " " X.	Durchmusterung Zones, $+9°$, $+19°$, and $+29°$.
" " " XI.	Accessory Series of Observations with the Meridian Circle.
Vol. XXXIV.	7922 Southern Stars observed with the Meridian Photometer.

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Vol. XXXV.	Journal of the Zone Observations.
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Vol. XXXIX. Part I.	Peruvian Meteorology, 1888–1890.
" " " II.	Peruvian Meteorology, 1891–1895. (In press.)
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" " " II.	Reduction of Observations made with the Meridian Photometer.

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Vol. XLV.	A Photometric Durchmusterung.
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Vol. L.	Revised Harvard Photometry. (In preparation.)
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Vol. LVIII.	Blue Hill Meteorological Observations. (In preparation.)

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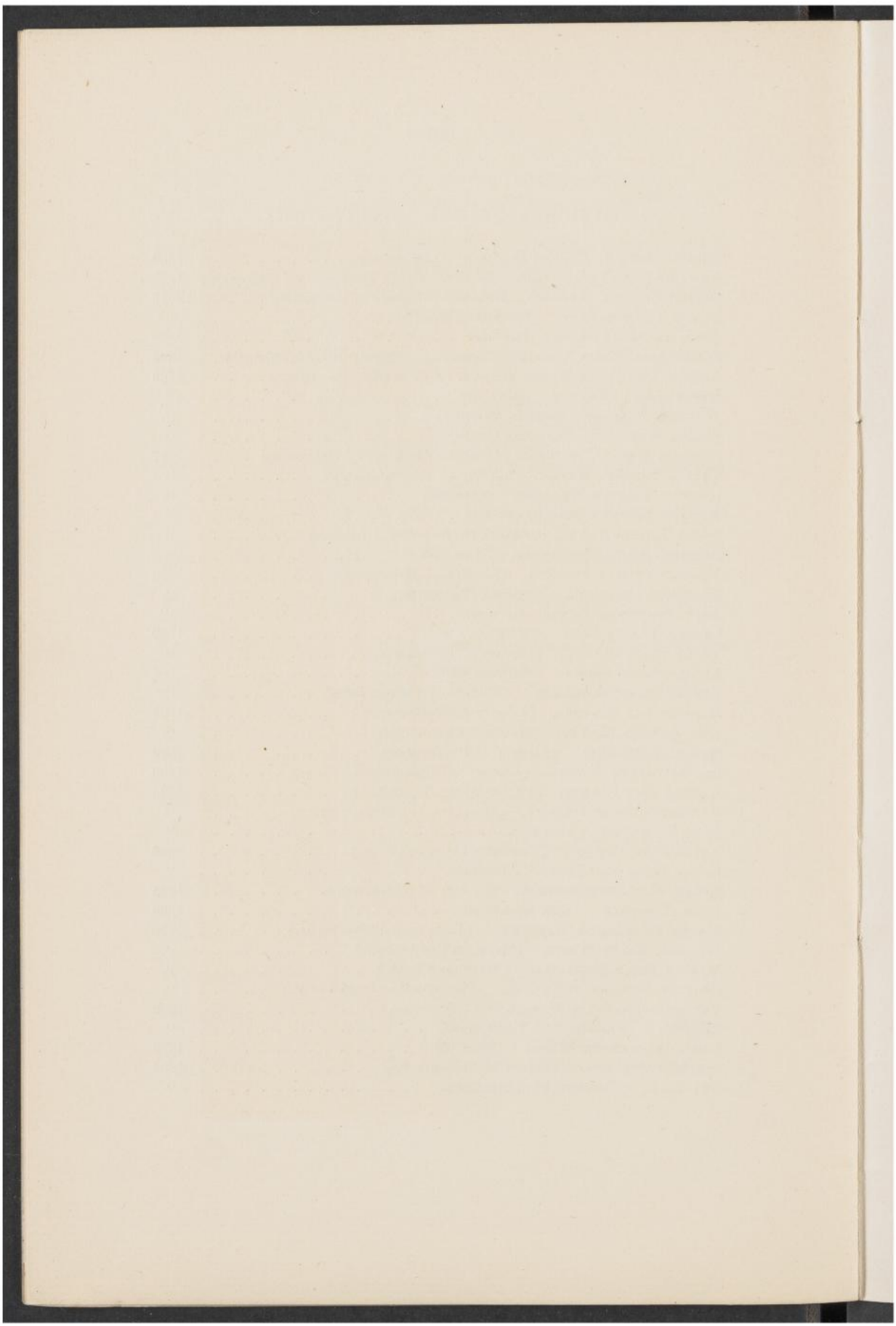
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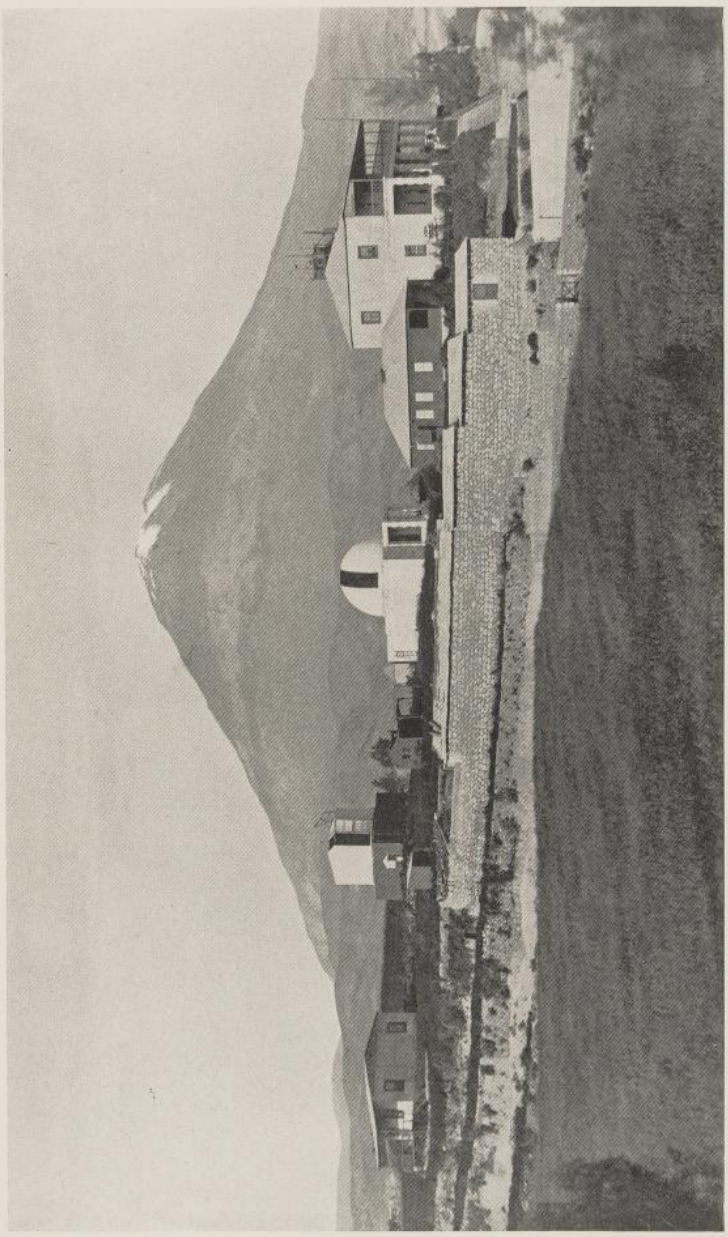
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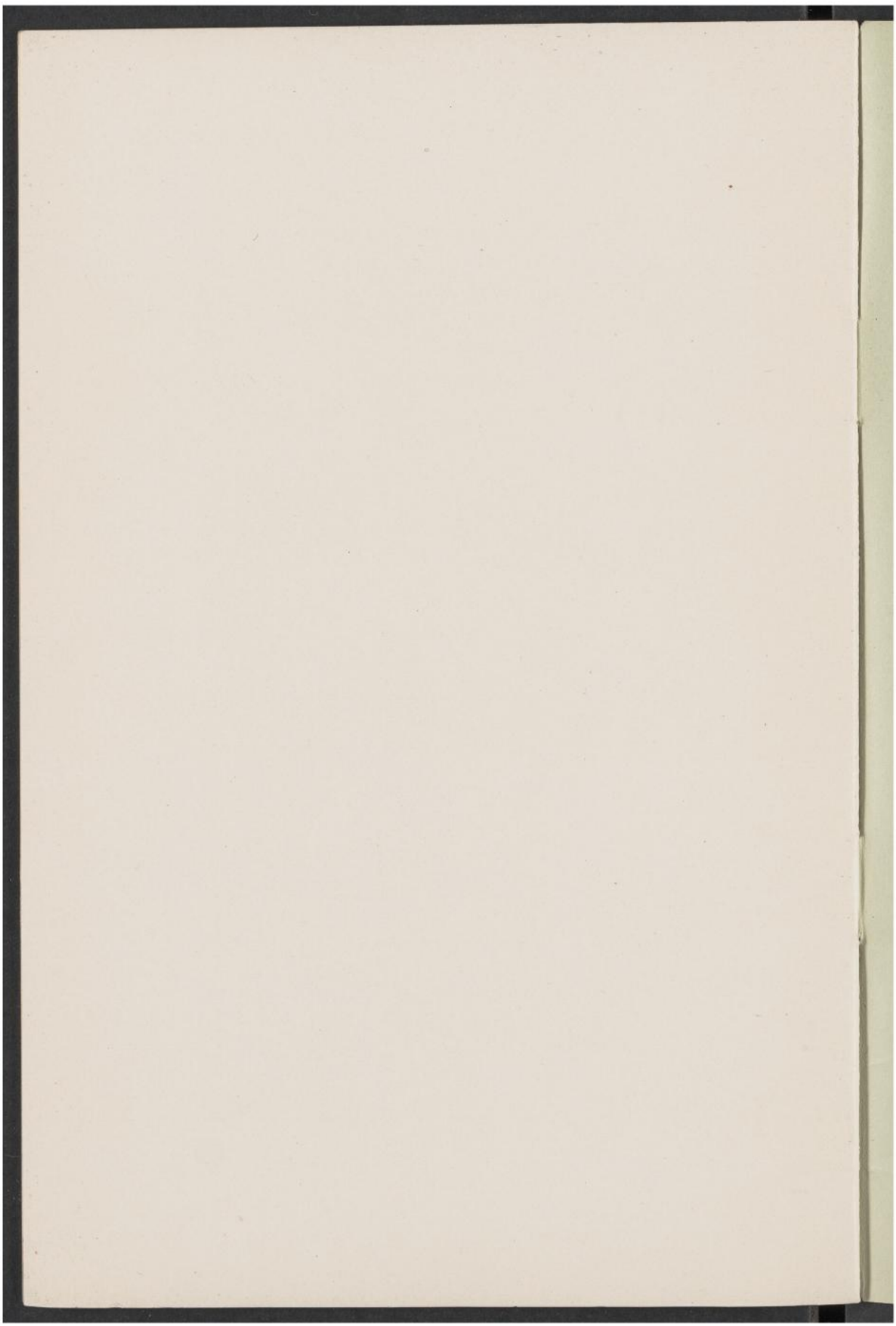
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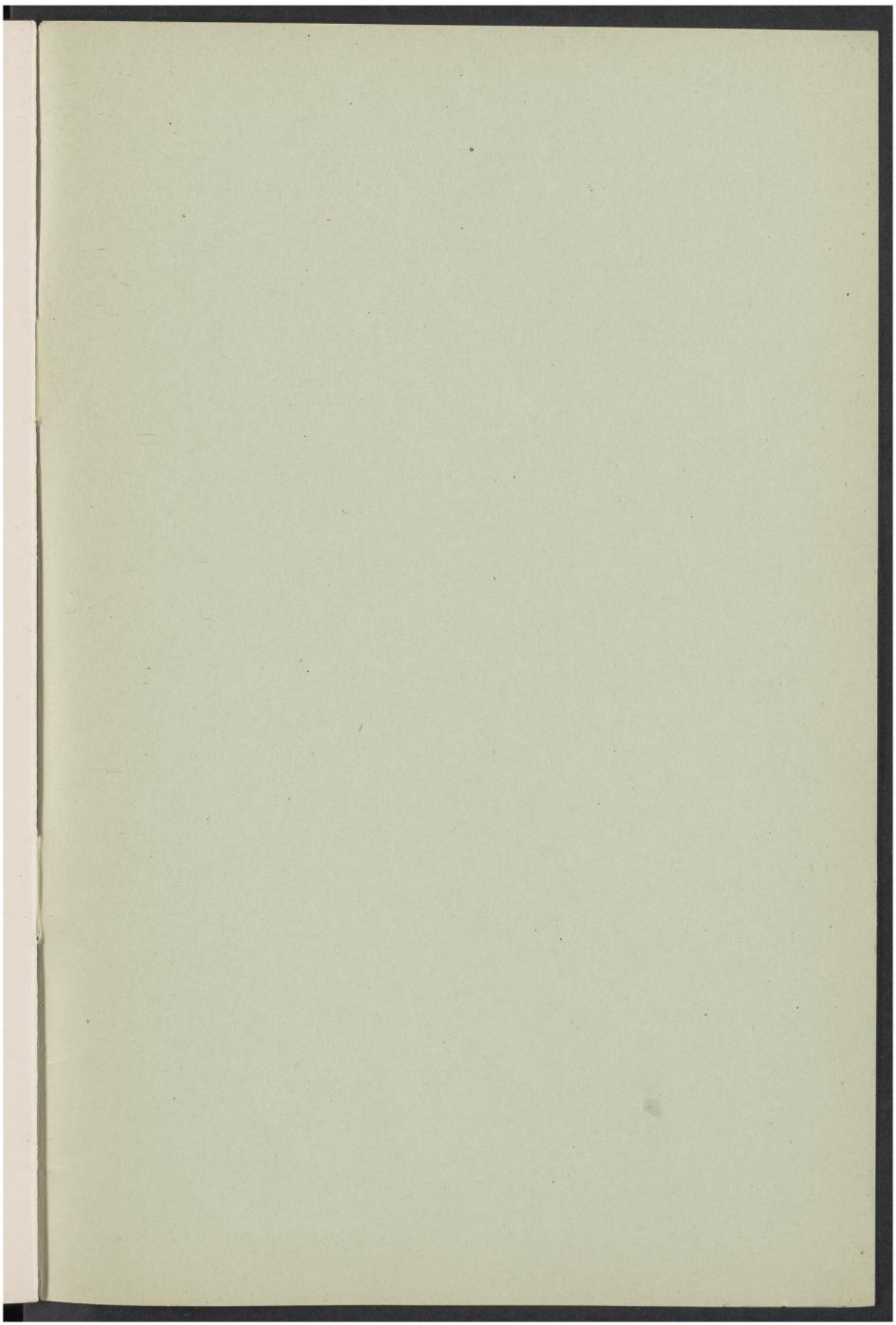
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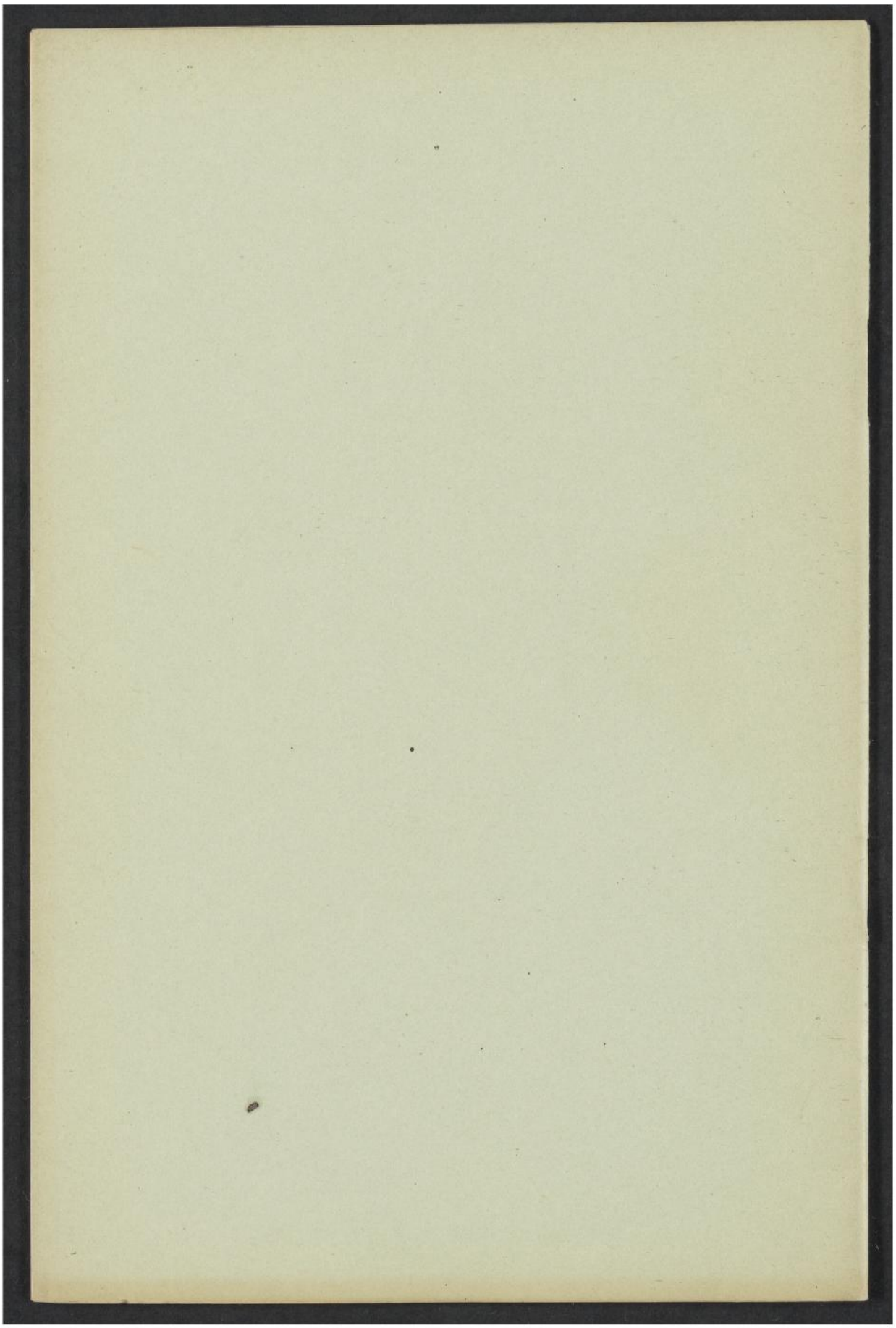
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