

KG  
11365  
717



KG11365.717









KG 11365.717





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Oct. 10, 1903.

3

Cont from Bk. 10. Measures of S Usae Minor cont from  
Bk. 10. Comp stars marked on  
12767. and  
AC 2315.

✓ AC 2315

9.00  $\alpha$  10 9.10 9.35 = 9.22 12 13  
9.35  $\alpha$  2 d 9.55

✓ AC 1321

9.55  $\alpha$  20 9.75 9.85 = 9.80 05 05  
9.85  $\alpha$  2 d 10.05

✓ AC 203

10.90  $\alpha$  20 11.10 11.10 = 11.10 00 00  
11.10  $\alpha$  2 h 11.30

✓ AC 189

Plate trailed.

✓ AC 1047

10.50  $\alpha$  30 10.80 10.70 = 10.75 05 05  
10.70  $\alpha$  2 g 10.90

✓ AC 891

8.48  $\alpha$  20 8.68 8.70 = 8.69 01 01  
8.70  $\alpha$  30 9.00

✓ AC 889

8.48  $\alpha$  20 8.78 8.70 = 8.74 04 04  
8.70  $\alpha$  30 9.00

October 10, 1903.

## S Uvae Minor (cont.)

✓ AC 857  
 8.48 130 8.78 8.80 = 8.79 01 01  
 8.80 220 9.00

✓ AC 853  
 9.00 130 9.30 9.25 = 9.28 02 03  
 9.25 230 9.55

✓ AC 716  
 Poor in reg. of acc.

✓ AC 751  
 9.55 120 9.75 9.75 = 9.75 00 00  
 9.75 230 10.05

✓ AC 757  
 Poor in reg. of acc.

✓ AC 771  
 9.00 130 9.30 A.  
 9 1/2

✓ AC 790  
 9.00 130 9.30 9.25 = 9.28 02 03  
 9.25 230 9.55

✓ AC 368  
 Poor in reg. of acc.



October 19, 1903.

5

*S Musae Minor (cont.)*

✓

AC 338

9.00 p 30 9.30 9.25 = 9.28 02 03  
9.25 r 3d 9.55

✓

AC 3629

*Toomars edge of pl.*

✓

AC 1021

9.55 d 20 9.75 9.85 = 9.80 05 05  
9.85 r 22 9.10.05

✓

AC 331

9.00 r 30 9.30 9.35 = 9.32 02 03  
9.35 r 2d 9.55

✓

AC 327

*Focus.*

✓

AC 309

9.55 d 20 9.75  
r 1

*a*

✓

AC 308

*Focus*

✓

AC 507

*Portion of pl.*

✓

AC 298

10.05 r 20 10.25 10.30 = 10.28 03 02  
10.30 r 22 10.50

October 10, 1903.

## S Musae Minus (cont.)

✓

AC 440

8.48 130 8.78 8.80 = 8.79 01 01

8.80 220 9.00

✓

AC 439

9.00 130 9.30 9.25 = 9.28 02 03

9.25 230 9.55

✓

AC 435

9.00 130 9.30 9.15 = 9.23 07 08

9.15 240 9.55

✓

AC 381

8.48 130 8.78 8.70 = 8.74 04 04

8.70 230 9.00

✓

AC 376

9.55 220 9.75

✓

AC 370

8.48 120 8.68 8.90 = 8.79 11 11

8.90 210 9.00

✓

AC 68

Focus Plate

✓

AC 484

Focus Plate



Oct 10, 1903.

7

*Susae Minoris pont.*

✓ AC451  
Purple

✓ AC446  
Purple

✓ AC445  
Poor in reg. of one.

✓ AC441  
9.00 d30 9.30 9.15 = 9.23 07 08  
9.15 d4d 9.55

✓ AC167  
9.55 d30 9.85 9.85 = 9.85 00 00  
9.85 d22 10.05

✓ AC175  
Focus Pl.

✓ AC181  
Poor in reg. of one.

✓ AC197  
Pl. trailed

✓ AC198  
Pl. trailed

October 19, 1903.

## S Muscivora (pork)

✓

AC 202

10.90 g 10 11.00 11.20 = 11.10 10 10  
 11.20 21 11.30

✓

AC 209

10.05 22 10.25

✓

AC 217

10.05 22 10.25

✓

AC 218

9.00 23 9.30 9.35 = 9.33 03 02  
 9.35 24 9.55

✓

AC 229

Poor plate

✓

AC 230

Poor in reg. of oral

✓

AC 231

9.55 d 2 9.75

✓

AC 232

Poor plate

✓

AC 247

10.90 g 2 11.10  
 h 2

a



October 10, 1903.

9

*S Ursae Minor (cont.)*

✓

AC 274  
Prosp.

✓

AC 968

Two plates superposed on this pl.

✓

AC 2545

Pl. sent to Kapteyn.

✓

AC 2857

11.30 h 11.40

Loach. ✓

AC 1488

8.48 f30 8.78 8.70 = 8.74 04 04  
8.70 03N 9.00

✓

AC 1537

8.48 f30 8.78 8.80 = 8.79 01 01  
8.80 02C 9.00

✓

AC 1625

9.00 p40 9.40 9.35 = 9.37 03 02  
9.35 02d 9.55

✓

AC 2550

9.00 p30 9.30 9.15 = 9.22 08 07  
9.15 04d 9.55

✓

AC 2459

9.00 030 9.30 9.15 = 9.23 07 08  
9.15 04d 9.55

October 19, 1903.

## S Ursae Minor (cont.)

✓ AC 2538

9.00  $\alpha$  3  $\alpha$  9.30 9.15 = 9.23 07 089.15  $\alpha$  4  $\alpha$  9.55

✓ AC 1790

Pinning of arm.

✓ AC 3999

8.48  $\alpha$  4  $\alpha$  8.88 8.70 = 8.79 09 098.70  $\alpha$  3  $\alpha$  9.00

✓ AC 2923

Too near edge of pl.

✓ AC 2916

10.05  $\alpha$  2  $\alpha$  10.25 10.30 = 10.28 03 0210.30  $\alpha$  2  $\alpha$  10.50

✓ AC 2833

Too near edge of pl.

✓ AC 2827

Too near edge of pl.

✓ AC 2468

Too near edge of pl.

Near edge ✓ AC 0702

9.00  $\alpha$  2  $\alpha$  9.20



October 19, 1903.

11

*S Musae Minor cont.*

✓  
Star edge AC 2695  
9.55 d 2 d 9.75

✓  
Star edge AC 2682  
9.00 R 40 9.40 9.35 = 9.38 02 03  
9.35 R 2 d 9.55

✓  
Star edge AC 2630  
9.00 R 30 9.30 9.35 = 9.33 03 02  
9.35 R 2 d 9.55

✓  
Star edge AC 3627  
9.00 R 30 9.30 9.15 = 9.23 07 08  
9.15 R 4 d 9.55

✓  
Star edge AC 3620  
9.00 R 30 9.30 9.25 = 9.28 02 03  
9.25 R 3 d 9.55

✓  
AC 3606  
*Poor in sig. figs.*

✓  
Star edge AC 3531  
9.00 R 30 9.30 9.15 = 9.23 07 08  
9.15 R 4 d 9.55

✓  
Star edge AC 3487  
9.00 R 30 9.30 9.25 = 9.28 02 03  
9.25 R 3 d 9.55

October 19, 1903.

## S Musae Minor (cont.)

✓  
Near edge

AC 3188

9.00  $\alpha$  3  $\alpha$  9.30 9.15 = 9.23 07 08  
9.15  $\alpha$  4  $\alpha$  9.55

✓

AC 3636

Too near edge of pl.

✓

AC 3641

Poor in reg. of var.

✓

AC 3728

Poor pl.

✓

AC 3743

Poor pl.

✓

AC 3769

Pl. fogged in reg. of var.

✓  
Near edge

AC 3774

9.55  $\alpha$  2  $\alpha$  9.75✓  
Near edge

AC 3803

9.55  $\alpha$  2  $\alpha$  9.75✓  
Near edge

AC 3883

9.00  $\alpha$  3  $\alpha$  9.30✓  
Near edge

AC 3893

9.55  $\alpha$  3  $\alpha$  9.85



Oct 19 1903.

13

## S Ussae Minors (cont.)

✓ AC804

8.48  $t_{30}$  8.78 8.70 = 8.74 04 04  
8.70  $\sigma_{30}$  9.00

✓ AC3940

Poor in reg. of spec.

✓ AC3921

9.55  $d_{20}$  9.75 a  
10.05  $e_{10}$ 

✓ AC2638

9.55  $d_{10}$  9.65 a  
 $e_{10}$ 

✓ AC9513

Poor in reg. of spec.

✓ AC880

8.48  $t_{20}$  8.68 8.60 = 8.64 04 04  
8.60  $\sigma_{40}$  9.00

✓ AC872

Class C

✓ AC3936

9.55  $d_{20}$  9.75 a  
 $e_{10}$

October 10, 1903.

## S Uscu Minor cont.

✓

AC 1601.

Poor in ug. of var.

✓

AC 1634

Poor in ug. of var.

✓

AC 1648

Poor in ug. of var.

✓

AC 1652

Poor in ug. of var.

✓

AC 1711

Poor in ug. of var.

✓

AC 3029

9.00 25 or 9.50 9.25 = 9.38 12 13  
 9.25 or 3 d 9.55

✓

AC 400

Poor ph

✓

AC 2488

8.48 43 or 8.78 8.70 = 8.74 04 04  
 8.70 or 3 c 9.00

✓

AC 2765

9.00 25 or 9.50 9.35 = 9.43 07 08  
 9.35 or 2 d 9.55



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15

## S Ursa Minor (cont.)

✓

Al 2825

11.30 h 2  $\frac{1}{2}$  11.50

a

✓

Al 1959

10.90 g 30 11.20 11.10 = 11.15 05 05

11.10 r 2 h 11.30

✓

Al 1994

9.00 040 9.40 9.35 = 9.38 02 03

9.35 r 2 d 9.55

✓

Al 829

9.00 030 9.30 9.15 = 9.22 08 07

9.15 r 4 d 9.55

Pisces ✓

Al 822

9.00 r 2  $\frac{1}{2}$  9.20

✓

Al 2032

10.50 f 20 10.70 10.80 = 10.75 05 05

10.80 r 1 g 10.90

✓

Al 3925

9.55 d 2  $\frac{1}{2}$  9.75

✓

Al 3938

9.00 030 9.30 9.35 = 9.33 03 02

9.35 r 2 d 9.55

Oct. 19, 1903.

## S Musae Minor cont.

✓

AC 2851

10.90 g 2  $\frac{1}{2}$  11.10

✓

AC 2736

10.90 g 2  $\frac{1}{2}$  11.10 11.10 = 11.10 00 0011.10 b 2  $\frac{1}{2}$  11.30

✓

AC 2746

10.90 g 2  $\frac{1}{2}$  11.10

h 1

a

✓

AC 1653

Pomph.

✓

AC 1678

9.55 d 2  $\frac{1}{2}$  9.75

✓

AC 1729

10.05 e 2  $\frac{1}{2}$  10.25 10.30 = 10.28 03 0210.30 o 2  $\frac{1}{2}$  10.50

✓

AC 2675

Pomph.

✓

AC 2561

9.00 p 4  $\frac{1}{2}$  9.40 9.25 = 9.32 08 07

9.25 o 3 d 9.55

✓

AC 2571

Pomph.



Oct 19 1903.

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S. Isaac Minor cont.

✓ AC1831  
10.50 f 30 10.80 a  
g 1/2

✓ AC1869  
10.05 e 1 10.15

✓ AC1901  
10.90 g 2 11.40

✓ AC2829  
10.90 g 1 11.00

✓ AC2519  
8.48 f 30 8.78 8.80 = 8.79 01 01  
8.80 e 2 c 9.00

✓ AC2537  
8.48 f 30 8.78 8.90 = 8.79 01 01  
8.90 e 1 c 9.00

✓ AC2626  
9.55 d 30 9.85 9.85 = 9.85 00 00  
9.85 e 2 e 10.05

✓ AC2649  
9.55 d 30 9.85 9.75 = 9.80 05 05  
9.75 e 3 e 10.05

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I Usee Minor (cont.)

✓

AC 3700

9.55 dia 9.65 9.75 = 9.70 05 05

9.75 or 3L 10.05

✓

AC 3656

Poor pl.

✓

AC 3598

9.00 R 30 9.30 9.25 = 9.28 02 03

9.25 or 3d 9.55

✓

AC 3561

9.00 R 30 9.30 9.15 = 9.22 08 07

9.15 or 4d 9.55

✓

AC 2690

10.05 or 20 10.25 10.20 = 10.23 02 03

10.20 or 3f 10.50

✓

AC 3474

8.48 R 20 8.68 8.70 = 8.69 01 01

8.70 or 3R 9.00

✓

AC 3872

Poor pl.

✓

AC 3850

10.90 g 2A 11.10



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19

Susac Minor

✓ AB 3832

Poor in eq. of var.

✓ AB 3736

9.00 ~~10.40~~ 9.40 9.35 = 9.38 02 03

9.35 ~~or 2 d~~ 9.55

✓ AB 3734

10.05 ~~10.30~~ 10.35 10.30 = 10.33 02 03

10.30 ~~or 2 d~~ 10.50

✓ AB 3718

Poorly

✓ AB 3296

8.48 ~~8.70~~ 8.78 8.80 = 8.79 01 01

8.80 ~~or 2 c~~ 9.00

✓ AB 3154

9.00 ~~9.20~~ 9.20 9.25 = 9.23 03 02

9.25 ~~or 3 d~~ 9.55

✓ AB 3132

9.00 ~~9.20~~ 9.20 9.35 = 9.28 02 08

9.35 ~~or 2 d~~ 9.55

✓ AB 2864

10.50 ~~10.70~~ 10.80

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S Musae Minor or com.

✓

AC 3309

8.48 ~~11h~~ 8.58 8.70 = 8.64 06 068.70 ~~03p~~ 9.00

✓

AC 3537

9.00 ~~03h~~ 9.30 9.35 = 9.33 03 029.35 ~~02d~~ 9.55

✓

AC 3501

8.48 ~~13h~~ 8.78 8.80 = 8.79 01 018.80 ~~02h~~ 9.00

✓

AC 3493

9.00 ~~02h~~ 9.20a~~02h~~

✓

AC 3647

Pomph.

✓

AC 3637

Pomph.

✓

AC 3563

9.00 ~~03h~~ 9.30 9.25 = 9.28 02 039.25 ~~03d~~ 9.55

✓

AC 3510

9.00 ~~02h~~ 9.20 9.15 = 9.18 02 039.15 ~~04d~~ 9.55



Oct. 12, 1903.

21

## S Uvae Minor cont.

✓ AB 3504

Purple

✓ AB 3488

8.48  $\pm 3\sigma$  8.78 8.70 = 8.74 04 048.70  $\pm 3\sigma$  9.00

✓ AB 3443-

8.48  $\pm 3\sigma$  8.78 8.70 = 8.74 04 048.70  $\pm 3\sigma$  9.00

✓ AB 3395-

8.48  $\pm 3\sigma$  8.78 8.70 = 8.74 04 048.70  $\pm 3\sigma$  9.00

✓ AB 3281

8.48  $\pm 2\sigma$  8.68 8.70 = 8.69 01 018.70  $\pm 3\sigma$  9.00

✓ AB 3005-

9.00  $\pm 4\sigma$  9.40 9.45 = 9.43 03 029.45  $\pm 1\sigma$  9.55

✓ AB 2947

10.90  $\pm 2\sigma$  11.10

a

h 5

✓ AB 2945-

10.50  $\pm 2\sigma$  10.70 10.80 = 10.75 05 0510.80  $\pm 1\sigma$  10.90

Oct 12, 1903.

S Ursa Minor cont.

✓ AC 2926

10.90 g 30 11.20 11.20 = 11.20 00 00  
 11.20 h 11.30

✓ AC 3436

8.48 f 30 8.78 8.70 = 8.74 04 04  
 8.70 23 c 9.00

✓ AC 3438

8.48 f 30 8.78 8.70 = 8.74 04 04  
 8.70 23 c 9.00

✓ AC 3444

Trail pl.

✓ AC 3454

Pomp.

✓ AC 1323

Tern ridge off pl.

✓ AC 1139

10.90 g 30 11.20 a  
 Ph 4

✓ AC 1143

10.50 f 2 10.70 a  
 g 4



Oct. 12, 1903.

23

I use a Min or cont.

✓ AC 994

9.55 d 20 9.75 9.85 = 9.80 05 05  
9.85 or 22 10.05

✓ AC 912

Poor in reg. of acc.

✓ AC 854

Poor in reg. of acc.

✓ AC 851

8.48 f 30 8.78 8.80 = 8.79 01 01  
8.80 or 20 9.00

✓ AC 846

Too near edge of pl.

✓ AC 777

Too near edge of pl.

✓ AC 767

9.55 d 20 9.75

✓ AC 749

Poor pl.

✓ AC 671

9.55 d 20 9.75 a  
etc.

Oct. 12, 1903.

S. Ussae Minor cont.

✓ AB 432

Poor in reg. of ran.

✓ AB 329

Too much edge of pl.

✓ AB 313

Trial pl.

✓ AB 262

10.50 f 30 10.80 a  
g. 1/2?

✓ AB 2414

8.48 f 30 8.78 8.70 = 8.74 04 04  
8.70 r 30 9.00

✓ AB 2348

8.48 f 30 8.78 8.70 = 8.74 04 04  
8.70 r 30 9.00

✓ AB 2304

9.00 r 20 9.20 9.25 = 9.23 03 02  
9.25 r 30 9.55

✓ AB 2238

8.48 f 30 8.78 8.80 = 8.79 01 01  
8.80 r 20 9.00



Oct. 13, 1903

25

## J Ursa Minor cont.

✓ AC 3486

9.00 ~~130~~ 9.30 9.25 = 9.28 02 03  
 9.25 ~~130~~ 9.55

✓ AC 2248

9.00 ~~130~~ 9.30 9.25 = 9.28 02 03  
 9.25 ~~130~~ 9.55

✓ AC 2558

9.55 ~~130~~ 9.85 9.75 = 9.80 05 05  
 9.75 ~~130~~ 10.05

✓ AC 2564

9.00 ~~130~~ 9.30 9.25 = 9.28 02 03  
 9.25 ~~130~~ 9.55

✓ AC 2661

9.00 ~~130~~ 9.30 9.25 = 9.28 02 03  
 9.25 ~~130~~ 9.55

✓ AC 2726

10.90 ~~130~~ 11.20 a  
 11.20

✓ AC 2799  
Triple✓ AC 2845-  
Purple

Oct. 13, 1903.

I Use Minor cont.

✓ AC 1164

9.55 d30 9.85 9.75 = 9.80 05 05

9.75 030 10.05

✓ AC 1438

8.48 t30 9.78 8.70 = 8.74 04 04

8.70 030 9.08

✓ AC 1495

8.48 t30 8.78 8.70 = 8.74 04 04

8.70 030 9.00

✓ AC 1515

9.00 p10 9.10 9.15 = 9.13 03 02

9.15 040 9.55

✓ AC 1676

Pon in ug. form

✓ AC 1698

9.55 d30 9.85 9.85 = 9.85 00 00

9.85 020 10.05

✓ AC 1918

Pon pl

✓ AC 44

Trid pl



Oct. 12, 1903.

27

Susac Minor cont.

✓ AC 226  
11.30 to 2 11.50

✓ AC 300  
9.00 1040 9.40 9.15 = 9.27 13 12  
9.15 1040 9.55

✓ AC 350  
class

✓ AC 367  
Port in reg. of ac.

✓ AC 3902  
9.55 d 20 9.85 9.85 = 9.85 00 00  
9.85 22 10.05

✓ AC 3885-  
9.55 d 2 9.75

AC 3078  
Port in reg. of ac.

✓ AC 3857  
10.50 f 1 10.60

✓ AC 3822  
10.90 930 11.30 11.10 = 11.15 05 05  
11.10 62 11.30

Oct. 12, 1903.

## S Mac Minor (cont.)

✓ Al 3805

9.55 d30 9.85 a  
e St

✓ Al 3792

9.55 d30 9.85 a  
e St

✓ Al 3779

10.90 g20 11.10 a  
h St

✓ Al 3722

9.55 d10 9.65 a  
e St

✓ Al 3695

Promin. reg. 1/2 m

✓ Al 3688

9.55 d20 9.75

✓ Al 2496

8.48 f30 8.78 8.70 = 8.74 04 04  
8.70 r30 9.00

✓ Al 2483

8.48 f20 8.68 8.70 = 8.69 01 01  
8.70 r30 9.00



Oct. 12, 1903.

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## S Ursa Minor cont.

✓ AC 2453

8.48  $\pm 3\sigma$  8.78 8.70 = 8.74 04 048.70  $\pm 3\sigma$  9.00

✓ AC 2451

9.00  $\pm 2\sigma$  9.20 9.15 = 9.18 02 039.15  $\pm 4\sigma$  9.55

✓ AC 2392

8.48  $\pm 3\sigma$  8.78 8.70 = 8.74 04 048.70  $\pm 3\sigma$  9.00

✓ AC 2345

8.48  $\pm 3\sigma$  8.78 8.70 = 8.74 04 048.70  $\pm 3\sigma$  9.00

✓ AC 2286

9.00  $\pm 1\sigma$  9.10 9.15 = 9.1<sup>3</sup><sub>8</sub> 03 029.15  $\pm 4\sigma$  9.55

AC 2212

9.00  $\pm 4\sigma$  9.40 9.35 = 9.38 02 039.35  $\pm 2\sigma$  9.55

✓ AC 2161

9.55  $\pm 2\sigma$  9.75 9.75 = 9.75 00 009.75  $\pm 3\sigma$  10.05

Oct. 12, 1903.

S. Isaac Minor cont.

✓

AC 1731

9.55 d 30 9.85 9.85 = 9.85 00 00

9.85 222 10.05

✓

AC 1732

Poor in reg. of m.

✓

AC 1585

9.00 230 9.30 9.35 = 9.33 03 02

9.35 222 9.55

AC 1585

Poor pl.

✓

AC 1595

8.48 140 8.88 8.70 = 8.79 09 09

8.70 220 9.00

✓

AC 1856

9.55 d 20 9.75

a

at

✓

AC 1812

9.00 120 9.20

a

f 1/2

✓

AC 1811

Poor in reg. of m.



Oct. 12, 1903.

31

S Urae Minor cont.

AC 1872

10.50  $\frac{1}{2}$  10.70

✓ AC 1764

9.55  $\frac{1}{2}$  9.75

✓ AC 537

Poor in reg. form.

✓ AC 545

9.55  $\frac{1}{3}$  9.85  $\frac{1}{3}$  9.85 = 9.85 0000

9.85  $\frac{1}{3}$  10.05

✓ AC 516

Pl. trailed

✓ AC 621

10.90  $\frac{1}{2}$  11.00

✓ AC 620

10.05  $\frac{1}{3}$  10.35  $\frac{1}{3}$  10.30 = 10.23 02 03

10.30  $\frac{1}{2}$  10.50

✓ AC 699

10.05  $\frac{1}{2}$  10.25

back. ✓ AC 1487

Poor in reg. form.

Oct. 12, 1903.

S Ursa Minor cont.

✓ AC 1557

8.48 f30 8.78 8.80 = 8.79 01 01

8.80 or 20 9.00

✓ AC 261

9.55 d30 9.85

a

1st "

✓ AC 1939

10.50 f30 10.80

✓ AC 2121

10.05 e30 10.35 10.20 = 10.27 08 07

10.20 or 37 10.50

✓ AC 586

10.05 e30 10.35

✓ AC 815-

Purple

✓ AC 832

black

✓ AC 898

8.48 f20 8.68 8.70 = 8.69 01 01

8.70 or 30 9.00

✓ AC 45-

Purple



Oct. 12, 1903.

33

*S Ursae Minor cont.*

✓ AB 190  
blank

✓ AB 237  
blank

✓ AB 306  
blank

✓ AB 1513  
8.48  $\pm$  30 8.78 8.70 = 8.74 04 04  
8.70  $\pm$  30 9.00

✓ AB 2767  
10.05  $\pm$  20 10.25

✓ AB 3907  
10.90  $\pm$  20 11.10 a  
h A

✓ AB 3806  
9.55  $\pm$  20 9.75

✓ AB 3772  
10.90  $\pm$  10 11.00 a  
h A

✓ AB 3766  
10.05  $\pm$  30 10.35 10.30 = 10.33 02 03  
10.30  $\pm$  20 10.50

Oct. 13 1903.

S. Usae Minor cont.

✓ AC 3624  
Poor in ug. of spec.

✓ AC 161  
Poorly

✓ AC 160  
Poorly

✓ AC 159  
Poorly

✓ AC 611  
10.50 f 20 10.70 10.70 = 10.70 00 00  
10.70 029 10.90

✓ AC 1721  
Poorly

✓ AC 1760  
Poor in ug. of spec.

✓ AC 1820  
Poor in ug. of spec.

Skew edge ✓ AC 1925  
9.55 d 2 9.75

✓ AC 1861  
Poorly



Oct. 12, 1903.

35

*S Ursae Minor cont.*

✓ AC 1982

Purple

✓ AC 2122

10.05  $\pm 3\sigma$  10.35 10.30 = 10.33  $\sigma 2$  03

10.30  $\sigma 2\sigma$  10.50

✓ AC 1373

Purple

✓ AC 1417

8.48  $\pm 3\sigma$  8.78 8.80 = 8.79  $\sigma 1$   $\sigma 1$

8.80  $\sigma 2\sigma$  9.00

✓ AC 1449

8.48  $\pm 3\sigma$  8.78 8.80 = 8.79  $\sigma 1$   $\sigma 1$

8.80  $\sigma 2\sigma$  9.00

✓ AC 1498

8.48  $\pm 2\sigma$  8.68 8.70 = 8.69  $\sigma 1$   $\sigma 1$

8.70  $\sigma 3\sigma$  9.00

✓ AC 657

9.55  $\pm 2\sigma$  9.75 9.85 = 9.80  $\sigma 5$   $\sigma 5$

9.85  $\sigma 2\sigma$  10.05

✓ AC 1920

Purple

Oct 12, 1903.

Susar minor cont.

✓ AC 1895

10.05 22 St = 10.25

✓ AC 1995

10.50 11 St = 10.60

✓ AC 1988

10.90 22 St 11.10 11.10 = 11.10 00 00

11.10 22 St 11.30

Isach. ✓ AC 1944  
Pompl

✓ AC 1923

10.50 12 St = 10.30

✓ AC 2072

10.50 12 St 10.30 10.70 = 10.70 00 00

10.70 22 St 10.90

✓ AC 2010

10.90 11 St 11.00

✓ AC 1889

10.90 12 St 11.10

✓ AC 1876

Pompl



Oct. 12, 1903.

37

*S Ursae Minor cont.*

✓ *Al 2093*

9.00 *c40* 9.40 9.35 = 9.38 02 03

9.35 *c20* 9.55

✓ *Al 915*

*Poor in reg. form.*

✓ *Al 895*

*Class m.*

✓ *Al 893*

8.48 *t20* 8.68 8.70 = 8.69 01 01

8.70 *c30* 9.00

✓ *Al 925*

8.48 *t30* 8.78 8.80 = 8.79 01 01

8.80 *c20* 9.00

✓ *Al 924*

8.48 *t30* 8.78 8.70 = 8.74 04 04

8.70 *c30* 9.00

✓ *Al 923*

*Poor pl.*

✓ *Al 922*

*Poor pl.*

✓ *Al 986*

*Poor pl.*

Oct 12, 1903.

✓ S Ursae Minor cont.

Alc 976

8.48 440 8.88 8.80 = 8.84 04 04

8.80 220 9.00

✓ Alc 956  
Purple✓ Alc 997  
Purple

✓ Alc 999

9.55 220 9.75 9.85 = 9.80 05 05

9.85 222 10.05

✓ Alc 1020  
Purple

✓ Alc 1081

10.90 920 11.10 11.20 = 11.15 05 05

11.20 210 11.30

✓ Alc 1095  
Pl. trailed

✓ Alc 1179

10.05 230 10.35 10.30 = 10.33 02 03

10.30 224 10.50

✓ Alc 1169  
10.50 420 10.70



Oct. 12, 1903.

39

Loch. *Al 550* *S Uranus Minor cont.*

✓ 9.55 *d 20* 9.75 9.75 = 9.75 00 00  
9.75 *d 32* 10.05

✓ *Al 2257*  
9.00 *d 30* 9.30 9.25 = 9.28 02 03  
9.25 *d 34* 9.55

✓ *Al 733*  
9.55 *d 30* 9.85 9.85 = 9.85 00 00  
9.85 *d 22* 10.05

✓ *Al 2146*  
10.05 *d 20* 10.25 10.20 = 10.23 02 03  
10.20 *d 37* 10.50

✓ *Al 1215*  
*Pb trailer*

✓ *Al 1422*  
9.00 *d 20* 9.20 9.15 = 9.18 02 03  
9.15 *d 40* 9.55

✓ *Al 1436*  
8.48 *d 40* 8.88 8.80 = 8.84 04 04  
8.80 *d 20* 9.00

✓ *Al 1451*  
8.48 *d 20* 8.78 8.70 = 8.74 04 04  
8.70 *d 30* 9.00

Oct. 12, 1903.

J Musae Minor cont.

✓

A 1471

8.48 f30 8.78 8.70 = 8.74 04 04

8.70 r30 9.00

✓

A 1476

Poorly

✓

A 1507

Poorly

✓

A 484

7.98 a20 8.18 8.38 = 8.28 10 10

8.38 a10 8.48

✓

A 1459

9.00 r30 9.30 a

d A

✓

A 1451

9.00 r30 9.30 9.35 = 9.32 02 03

9.35 r20 9.55

✓

A 1433

8.48 f30 8.78 8.80 = 8.79 01 01

8.80 a20 9.00

✓

A 1035

10.90 ~~040~~ g20 11.10 11.10 = 11.10 00 00

11.10 r20 11.30



Oct. 12, 1903.

41

S. Isaac Miner cont

✓ A1029

10.90 . 9.10 11.00 A

h f

✓

Q 13203

Prompt

✓ Sample A687

8.48 h 8.88 A

r f

✓ Q 13227

11.30 h 30 11.56 04 11.60 11.52

11.52 r 2 h 11.72

✓ Q 13382

Under Q 13068

✓ Q 13660

10.05 22 r 10.25 10.10 10.18 07 08

10.10 r 4 f 10.50 Q 13310

11.72 h 1 r 11.82

10.90 g 2 r 11.10 11.10 11.10

11.10 r 2 h 11.30

✓ Q 13628

10.05 22 r 10.25 10.20 10.22 03 02

10.20 r 3 f 10.50

✓ Q 13092

10.90 g 30 r 11.20 11.10 11.15

11.10 r 2 h 11.30

✓ Q 13607

10.05 23 r 10.35 10.20 10.28 07 08

10.20 r 3 f 10.50

✓ Q 131113

11.30 h 1 r 11.40 11.62 11.51

11.62 r 1 h 11.72

✓ Q 13506

10.90 g 2 r 11.10 11.10 11.10 00 00

11.10 r 2 h 11.30

✓ Q 13124

11.30 h 2 r 11.50 11.62 11.56

11.62 r 1 h 11.72

✓ Q 9243

9.85 d 3 r 9.85 9.85 9.85 00 00

9.85 r 2 h 10.05

✓ Q 13169

11.30 h 1 r 11.40 11.52 11.46

11.52 r 2 h 11.72

✓ Q 13028

10.90 g 30 r 11.20 11.10 11.15 05 05

11.10 r 2 h 11.30

✓ Q 13180

11.30 h 1 r 11.40 11.52 11.46

11.52 r 2 h 11.72

Oct. 19, 1903.New Variable & Normal of C 59.  
16 2.6<sup>m</sup> - 48° 58' (1900)

✓ B 13978

9.55 e 10 9.65 9.60 = 9.62 03 02

9.60 r 27 9.80

✓ B 11801

9.55 e 20 9.75 9.60 = 9.68 07 08

9.60 r 27 9.80

✓ B 3587

9.15 d 30 9.45 9.35 = 9.40 08 05

9.35 r 22 9.55

✓ B 3564 Sp.

Poor in reg. of var.

✓ B 3563 Sp.

Poor in reg. of var.

✓ B 4851 Sp.

Poor in reg. of var.

✓ B 4934 Sp.

Poor in reg. of var.

✓ B 4954 Sp.

Poor in reg. of var.



Oct. 19, 1903.

48

Star Variable of C 59 cont.

✓ B4970<sup>th</sup>.

Poor in reg. of var.

✓ B5391

9.15<sup>-</sup> d 30 9.45<sup>-</sup> 9.35<sup>-</sup> = 9.40 05 05

9.35<sup>-</sup> r 22 9.55<sup>-</sup>

✓ B5335

9.15<sup>-</sup> d 30 9.45<sup>-</sup> 9.25<sup>-</sup> = 9.35 10 10

9.25<sup>-</sup> r 32 9.55<sup>-</sup>

✓ B5332

9.15<sup>-</sup> d 30 9.45<sup>-</sup> 9.35<sup>-</sup> = 9.40 05 05

9.35<sup>-</sup> r 22 9.55<sup>-</sup>

✓ B5244

8.80 f 20 9.00 8.95<sup>-</sup> = 8.98 02 03

8.95<sup>-</sup> r 10 9.05<sup>-</sup>

✓ B5098<sup>th</sup>.

Poor in reg. of var.

✓ B5069

Poorly

✓ B5928

9.15<sup>-</sup> d 20 9.35<sup>-</sup> 9.25<sup>-</sup> = 9.30 05 05

9.25<sup>-</sup> r 32 9.55<sup>-</sup>

Oct. 19, 1903.

g C 59 cont.

✓

B 5927

9.15 d 30 9.45 9.25 = 9.35 10 10  
 9.25 a 32 9.55

✓

B 6082

9.15 d 20 9.35 9.45 = 9.40 05 05  
 9.45 a 12 9.55

✓

B 6094

9.15 d 30 9.45 9.35 = 9.40 05 05  
 9.35 a 22 9.55

✓

B 6278

9.15 d 20 9.35 9.35 = 9.35 00 00  
 9.35 a 22 9.55

✓

B 6899 Sp.

Pl. trailed

✓

B 7340 Sp.

Poor pl. in reg. of ear.

✓

B 21895

9.15 d 30 9.45 9.35 = 9.40 05 05  
 9.35 a 22 9.55

✓

B 21893

9.15 d 30 9.45 9.35 = 9.40 05 05  
 9.35 a 22 9.55



Oct. 19, 1903.

45

gle 59 cont.

✓ B21868 Sp.

8.80 L20 9.00 8.95 = 8.98 02 03

8.95 r1N 9.05

✓ B21832 Sp.

8.80 L20 9.00 8.95 = 8.98 02 03

8.95 r1N 9.05

✓ B21698 Sp.

Too near edge of pl

✓ B21640 Sp.

8.80 L30 9.10 8.75 = 8.92 18 17

8.75 r3N 9.05

✓ B9197

9.15 d20 9.35 9.25 = 9.30 05 05

9.25 r3E 9.35

✓ B8618 Sp.

8.80 L20 9.00 8.75 = 8.88 12 13

8.75 r3E 9.05

✓ B8012 Sp.

Region blurred.

✓ B9416 Sp.

8.80 L20 9.00 8.75 = 8.88 12 13

8.75 r3E 9.05

Oct. 19, 1903.

J059 cont.

✓

B9203

8.80

L30 9.10 8.85 = 8.98 12 13

8.85

R2C 9.05

✓

B9202

8.80

L30 9.10 8.95 = 9.02 08 07

8.95

R1C 9.05

✓

B9685

9.15

d20 9.35 9.45 = 9.40 05 05

9.45

R1L 9.55

✓

B9666

9.15

d20 9.35 9.45 = 9.40 05 05

9.45

R1L 9.55

✓

B9631 Sp.

Poor mixing of ran-

✓

B9630 Sp.

9.05

R20 9.25 9.05 = 9.15 10 10

9.05

R1D 9.15

✓

B10963

9.55

L20 9.75 9.70 = 9.72 03 02

9.70

R1F 9.80

✓

On this plate than B10935

9.55

L20 9.75 9.60 = 9.68 07 08

9.60

R2L 9.80



Oct. 19, 1903.

47

gC 59 (cont.)

✓ B21956

9.15 d30 9.45 9.25 9.35 10 10

9.25 o32 9.55

✓

Stump. B22929

8.80 t30 9.10 8.85 = 8.98 12 13

8.85 o20 9.05

✓ B22924

9.05 c20 9.25 9.05 = 9.15 10 10

9.05 o1d 9.15

✓ B22323

9.15 d20 9.35 9.35 = 9.35 00 00

9.35 o22 9.55

✓ B22504

9.55 l10 9.65 9.60 = 9.62 03 02

9.60 o27 9.80

✓ B23045 Sh.

8.52 a20 8.72 8.70 = 8.71 01 01

8.70 o1b 8.80

✓ B23019 Sh.

8.80 t30 9.10 8.85 = 8.98 12 13

8.85 o2c 9.05

Oct. 19, 1903.

JL 59 cont.

✓

B23049

9.05

c10 9.15 8.95 = 9.05 10 10

8.95

c2d 9.15

✓

Stearge

B23921

9.15

d20 9.35 9.25 = 9.30 05 05

9.25

c3d 9.55

✓

B23916

9.15

d10 9.25 9.35 = 9.30 05 05

9.35

c2d 9.55

✓

B23469

9.15

d20 9.35 9.35 = 9.35 00 00

9.35

c2d 9.55

✓

B23457 Sp.

8.80

h10 8.90 8.85 = 8.88<sup>8</sup> 02 03

8.85

c2d 9.05

✓

B24979

9.15

d30 9.45 9.35 = 9.40 05 05

9.35

c2d 9.55

✓

B24849

9.15

d30 9.45 9.25 = 9.35 10 10

9.25

c3d 9.55

✓

B27337

9.15

d20 9.35 9.45 = 9.40 05 05



Oct. 19, 1903.

J. C. 59 cont.

Sumridge B25964

✓ 9.15- 220 9.35-9.25=9.30 05 05  
 9.25 232 9.55

✓ B27472

9.55 210 9.65-9.60=9.62 03 02  
 9.60 227 9.80

Sumridge B27646

✓ 9.55 220 9.75-9.50=9.62 13 12  
 9.50 237 9.80

✓ B27718

9.55 220 9.75-9.70=9.72 03 02  
 9.70 217 9.80

✓ B13835 Sp.

8.80 220 9.00 8.85=8.92 08 07  
 8.85 222 9.05

✓ B9492

9.15 230 9.45-9.10=9.30 15 15  
 9.15 242 9.55

✓ B797 Sp.  
couple

✓ B25957

9.15 236 9.45-9.25=9.35 10 10  
 9.25 232 9.65

Oct. 19, 1903.

Glesg cont.

✓ B23000

9.05 d30 9.35 9.05 = 9.20 15 15

9.05 o1d 9.15

✓ B9665

9.15 d40 9.55 9.25 = 9.40 15 15

9.25 o3e 9.55

✓ B28460

9.15 d30 9.45 9.35 = 9.40 05 05

9.35 o2e 9.55

✓ Shredg B28401

9.15 d30 9.45 9.25 = 9.35 10 10

9.25 o3e 9.55

✓ B21191

9.15 d30 9.45 9.45 = 9.45 05 05

9.45 o1e 9.55

✓ B21075

Pomph

✓ B27900

9.55 e2r 9.75 9.70 = 9.72 03 02

9.70 o1f 9.80

✓ B3941

9.15 d30 9.45 9.25 = 9.35 10 10

9.25 o3e 9.55



Oct. 21, 1903.

51

JG 59 cont.

✓

B3604

9.15 d20 9.35 9.25 = 9.30 05 05

9.25 032 9.55

✓

B3680 Sp.

Pon in reg. of ran.

✓

B 3742

9.15 d30 9.45 9.05 = 9.40 05 05

9.05 022 9.55

✓

B3442 Sp.

Pomphs

✓

B3551

9.05 020 9.25 8.95 = 9.10 15 15

8.95 022 9.15

✓

B3552

9.05 010 9.15 8.95 = 9.05 10 10

8.95 020 9.15

✓

B16825

9.15 d20 9.35 9.45 = 9.40 05 05

9.45 012 9.55

✓

B19317

9.15 d20 9.35 9.35 = 9.35 05 05

9.35 022 9.55

Oct. 21, 1903.

gC 59 cont.

✓ B16564

9.15 d20 9.35 9.35 = 9.35 00 00

9.35 022 9.55

✓ B16328

9.05 220 9.25 8.95 = 9.10 15 15

8.95 022 9.15

✓ B21853 Sp.

8.80 220 9.00 8.85 = 8.92 08 07

8.85 020 9.05

✓ B22473

9.15 d20 9.35 9.45 = 9.40 05 05

9.45 012 9.55

✓ B15865

9.15 d20 9.35 9.45 = 9.40 05 05

9.45 012 9.55

✓ B25740

9.55 d20 9.75 9.70 = 9.72 03 02

9.70 012 9.80

✓ B3724 Sp.

Ponim reg. of rain

✓ B25117

9.15 d30 9.45 9.35 = 9.40 05 05

9.35 022 9.55



Oct. 21, 1903.

53

✓ B4853 Sp. 9659 cont.  
Poor in reg. of star.

✓ B4884 Sp.  
Poor in reg. of star.

✓ B3930 Sp.  
Poor in reg. of star.

✓ B 15628  
9.15 dec 9.35 9.45 = 9.40 05 05  
9.45 212 9.55

✓ B19926 Sp.  
Too near edge of pl.

✓ B19894 Sp.  
8.80 f 20 9.00 8.95 = 8.98 02 03  
8.95 212 9.05

✓ B19933 Sp.  
8.52 a 30 8.82 8.70 8.76 06 06  
8.70 214 8.80

✓ B20001  
9.15 L 20 9.35 9.45 = 9.40 05 05  
9.45 212 9.55

Oct. 21, 1903.

gleog cont.

✓

B20442

9.15 d30 9.45 9.35 = 9.40 05 05  
 9.35 022 9.55

✓

B20240

9.15 d20 9.35 9.45 = 9.40 05 05  
 9.45 012 9.55

✓

B20157 Sp.

Poor pl. in reg. of var.

✓

B20092 Sp.

Poor in reg. of var.

✓

New idg B21060

9.15 d40 9.55 9.45 = 9.50 05 05  
 9.45 012 9.55

✓

B16281

9.15 d30 9.45 9.35 = 9.40 05 05  
 9.35 022 9.55

✓

B19344 Sp.

8.80 f20 9.00 8.95 = 8.98 02 03  
 8.95 012 9.05

✓

B19620 Sp.

8.80 f10 8.90 8.85 = 8.88 02 03  
 8.85 022 9.05



Oct. 25, 1903.

55

J.C. 59 cont.

✓ B 19570 Sh.  
 8.80  $\pm 2\sigma$  9.00 8.85 = 8.92 08 07  
 8.85  $\pm 2\sigma$  9.05

✓ B 11696 Sh.  
 Down in up. form.

✓ B 11636 Sh.  
 8.80  $\pm 1\sigma$  8.90 8.85 = 8.88 02 03  
 8.85  $\pm 2\sigma$  9.05

✓ B 11597  
 9.15  $\pm 2\sigma$  9.35 9.35 = 9.35 00 00  
 9.35  $\pm 2\sigma$  9.55

✓ B 11595  
 9.15  $\pm 2\sigma$  9.35 9.45 = 9.40 05 05  
 9.45  $\pm 1\sigma$  9.55

✓ B 11278  
 9.15  $\pm 2\sigma$  9.35 9.45 = 9.40 05 05  
 9.45  $\pm 1\sigma$  9.55

✓ B 19366  
 9.15  $\pm 3\sigma$  9.45 9.35 = 9.40 05 05  
 9.35  $\pm 2\sigma$  9.55

✓ B 15627  
 9.15  $\pm 2\sigma$  9.35 9.35 = 9.35 00 00  
 9.35  $\pm 2\sigma$  9.55

Oct. 25, 1903.

J 659 cont.

✓

B15559

9.05 220 9.25 9.05=9.15 10 10  
 9.05 210 9.15

✓

B15629

9.15 220 9.35 9.35=9.35 00 00  
 9.35 220 9.55

✓

B15630

9.15 230 9.45 9.35=9.40 05 05  
 9.35 220 9.55

✓

B13338

9.15 220 9.35 9.35=9.35 00 00  
 9.35 220 9.55

✓

B12888 Sp.  
Purple

✓

B12889 Sp.  
Purple

✓

B12952

8.80 220 9.00 8.75=8.88 12 13  
 8.75 230 9.05

✓

B13037 Sp.

8.80 220 9.00 8.95=8.98 02 03  
 8.95 210 9.05



Oct. 21, 1903.

57

J C 59 cont.

✓ B16261

9.15 d 30 9.45 9.35 9.40 05 05

9.35 r 22 9.55

✓ B16323

9.15 d 20 9.35 9.45 9.40 05 05

9.45 r 12 9.55

✓ B16022

9.15 d 20 9.35 9.35 9.35 00 00

9.35 r 22 9.55

✓ B16107

9.15 d 20 9.35 9.45 9.40 05 05

9.45 r 12 9.55

✓ B16357

9.15 d 10 9.25 9.35 9.30 05 05

9.35 r 22 9.55

✓ B16434

9.15 d 5 9.35 9.35 9.35 00 00

9.35 r 22 9.55

✓ B19322

9.15 d 20 9.35 9.25 9.30 05 05

9.25 r 32 9.55

✓ B11848

9.15 d 20 9.35 9.35 9.35 00 00

9.35 r 22 9.55

Oct. 21, 1901.

gle 59 cont

✓

B 11243

9.55 d 20 9.75 9.70 = 9.72 03 02

9.70 21 9.80

✓

B 27147

9.15 d 30 9.45 9.35 = 9.40 05 05

9.35 22 9.55

✓

B 25385

9.15 d 20 9.35 9.45 = 9.40 05 05

9.45 21 9.55

✓

B 26005

9.15 d 30 9.45 9.35 = 9.40 05 05

9.35 22 9.55

✓

B 25219

9.05 d 20 9.25 8.95 = 9.10 15 15

8.95 22 9.15

✓

B 13826 Sp.

8.80 f 20 9.00 8.85 = 8.92 08 07

8.85 22 9.05

✓

B 13088 Sp.

Poor in ug. from.

✓

AM 1332

9.05 d 30 9.35 8.95 = 9.15 20 20

8.95 22 9.15



Oct. 21, 1903.

59

J C 59 cont.

✓

AM 840

9.80

f 10

9.90 9.78 9.84 06 06

9.78

r 39

10.08

✓

AM 1212

9.55

e 20

9.75 9.60 = 9.68 07 08

9.60

r 27

9.80

✓

AM 1174

9.80

f 20

9.10.00 9.88 = 9.94 06 06

9.88

r 29

10.08

✓

AM 988

9.55

e 10

9.65 9.60 = 9.62 03 02

9.60

r 27

9.80

✓

AM 1213

9.15

d 40

9.55 9.35 = 9.45 10 10

9.35

r 22

9.55

✓

AM 398

9.55

e 20

9.75 9.50 = 9.62 13 12

9.50

r 37

9.80

✓

AM 525

9.80

f 30

10.10 9.78 = 9.94 16 16

9.78

r 29

10.08

✓

AM 1225

9.15

d 30

9.45 9.45 = 9.45 00 00

9.45

r 22

9.55

Oct. 21, 1903.

J C 59 cont.

✓

AM 1351

9.15 d 30 9.45-9.35=9.40 05 05

9.35 r 22 9.55

✓

AM 1374

9.15 d 10 9.25-9.15=9.20 05 05

9.15 r 42 9.55

✓

AM 1383

9.15 d 20 9.35-9.15=9.25 10 10

9.15 r 42 9.55

✓

AM 1397

9.15 d 20 9.35-9.15=9.25 10 10

9.15 r 42 9.55

✓

AM 1498

9.15 d 20 9.35-9.15=9.25 10 10

9.15 r 42 9.55

✓

AM 1640

9.15 d 30 9.45-9.35=9.40 05 05

9.35 r 22 9.55

✓

AM 1829

9.15 d 30 9.45-9.25=9.35 10 10

9.25 r 32 9.55

✓

AM 1284

9.15 d 30 9.45-9.15=9.30 10 10

9.45 r 42 9.55



Oct. 21, 1903.

61

2 Csg cont.

✓ AM 1413

9.55 ~~210~~ 9.65 9.50 = 9.58 07 089.50 ~~237~~ 9.80

✓ AM 1434

9.15 ~~d40~~ 9.55 9.25 = 9.40 15 159.25 ~~232~~ 9.55

✓ AM 1445

9.15 ~~d30~~ 9.45 9.25 = 9.35 10 109.25 ~~232~~ 9.55

✓ AM 1453

9.15 ~~d40~~ 9.55 9.25 = 9.40 15 159.25 ~~232~~ 9.55

✓ AM 1475

9.55 ~~230~~ 9.85 9.60 = 9.72 13 129.60 ~~227~~ 9.80

✓ AM 1512

9.15 ~~d40~~ 9.55 9.35 = 9.45 10 109.35 ~~222~~ 9.55

✓ B 255-28

9.15 ~~d30~~ 9.45 9.35 = 9.40 05 059.35 ~~222~~ 9.55

✓ AM 6081

9.15 ~~d30~~ 9.45 9.25 = 9.35 10 109.25 ~~222~~ 9.55

Oct. 21, 1903.

gle 59 cont.

✓

AM 1826

9.55 e 20 9.75 9.50 = 9.62 13 12  
 9.50 r 3 f 9.80

✓

AM 426

9.55 e 10 9.65 9.50 = 9.58 07 08  
 9.50 r 3 f 9.80

✓

AM 80

9.15 d 30 9.45 9.35 = 9.40 05 05  
 9.35 r 2 e 9.55

✓

AM 60

9.55 e 20 9.75 9.40 = 9.58 17 18  
 9.40 r 4 f 9.80

✓

AM 979

9.55 e 30 9.85 9.60 = 9.72 13 12  
 9.60 r 2 f 9.80

✓

AM 1188

9.55 e 30 9.85 9.60 = 9.72 13 12  
 9.60 r 2 f 9.80

✓

AM 1205

9.55 e 30 9.85 9.60 = 9.72 13 12  
 9.60 r 2 f 9.80

✓

Near edge of AM 1452

9.15 d 20 9.35 9.35 = 9.35 00 00  
 9.35 r 2 f 9.55



Oct. 21, 1903.

63

✓ *AM* 1482 *g* *g* 59 cont.

9.15 d 30 9.45 9.35 = 9.40 05 05  
9.35 r 22 9.55

✓ *AM* 1534

9.15 d 30 9.45 9.25 = 9.35 10 10  
9.25 r 32 9.55

✓ *AM* 67

9.15 d 30 9.45 9.35 = 9.40 05 05  
9.35 r 22 9.55

✓ *AM* 73

9.15 d 30 9.45 9.35 = 9.40 05 05  
9.35 r 22 9.55

✓ *AM* 124

9.15 d 30 9.45 9.25 = 9.35 10 10  
9.25 r 32 9.55

✓ *AM* 225

9.05 r 20 9.25 9.05 = 9.15 10 10  
9.05 r 12 9.15

✓ *AM* 43

9.15 d 30 9.45 9.35 = 9.40 05 05  
9.35 r 22 9.55

✓

*AM* 106

9.15 d 40 9.55 9.25 = 9.40 15 15  
9.25 r 22 9.55

Oct. 21, 1903.

J 659 cont.

✓

AM 412

9.15 d40 9.55 9.25 = 9.40 15 15  
 9.25 r3e 9.55

✓

AM 497

9.55 l30 9.85 9.60 = 9.72 13 12  
 9.60 r2f 9.80

✓

AM 529

9.05 r20 9.25 9.05 = 9.15 10 10  
 9.05 r1d 9.15

✓

AM 573

9.05 r10 9.15 8.95 = 9.05 10 10  
 8.95 r2d 9.15

✓

AM 764

9.15 d40 9.55 9.35 = 9.45 10 10  
 9.35 r2e 9.55

✓

AM 955

Ponpl

✓

AM 1324

9.15 d30 9.45 9.25 = 9.35 10 10  
 9.25 r3e 9.55

✓

AM 1362

9.15 d30 9.45 9.35 = 9.40 05 05  
 9.35 r2e 9.55



Oct. 21, 1903.

65

gle 59 cont.

✓

AM 1373

9.15 d3 r 9.45 9.35 = 9.40 05 05  
9.35 r 2 e 9.55

✓

AM 1388

9.15 d3 r 9.45 9.35 = 9.40 05 05  
9.35 r 2 e 9.55

✓

AM 9

9.15 d2 r 9.35 9.35 = 9.35 00 00  
9.35 r 2 e 9.55

✓

B 7942 Sp

Poor in neg. of spec.

✓

AM 6

Class II

✓

AM 27

9.55 e 2 r 9.75 9.50 = 9.62 13 12  
9.50 r 3 f 9.80

✓

AM 379

9.15 d4 r 9.55 9.45 = 9.50 05 05  
9.45 r 1 f 9.55

✓

AM 1035

Too near edge of pl

Oct. 21, 1903.

ZC 3-9 cont.

✓ AM 929  
Poorly

✓ AM 848

9.55	230	9.85	9.60 = 9.72	13	<u>12</u>
9.60	027	9.80			

✓ AM 815

9.55	230	9.85	9.60 = 9.72	13	<u>12</u>
9.60	027	9.80			

✓ AM 366

9.15	240	9.55	9.35 = 9.45	10	<u>10</u>
9.35	022	9.55			

✓ AM 411  
Poorly✓ AM 499  
Useless✓ AM 515  
Poorly

✓ AM 555

9.15	230	9.45	9.35 = 9.40	05	<u>05</u>
9.35	022	9.55			

Isach.

AM 056

8.80

410 8.90 8.85 = 8.88 02 03



Oct. 21, 1903.

67

JL 59 cont.

✓ AM 475

Purple Claret

✓ AM 833

9.55  $\ell 30$  9.85 - 9.60 = 9.72 13 12  
 9.60  $\sigma 27$  9.80

✓ AM 879

9.55  $\ell 30$  9.85 - 9.60 = 9.72 13 12  
 9.60  $\sigma 27$  9.80

✓ AM 469

9.55  $\ell 20$  9.75 - 9.60 = 9.68 07 08  
 9.60  $\sigma 27$  9.80

✓ AM 1527

9.15  $d 20$  9.35 - 9.25 = 9.30 05 05  
 9.25  $\sigma 30$  9.55

✓ AM 1249

9.15  $d 30$  9.45 - 9.25 = 9.35 10 10  
 9.25  $\sigma 30$  9.55

✓ AM 1235

9.55  $\ell 30$  9.85 - 9.60 = 9.72 13 12  
 9.60  $\sigma 27$  9.80

✓ AM 1050

9.55  $\ell 20$  9.75 - 9.50 = 9.62 13 12  
 9.50  $\sigma 30$  9.80

Oct. 21, 1903.

J C 39 cont.

✓

AM 937

9.80 f 20 10.00 9.88 = 9.94 06 06  
 9.88 r 29 10.08

✓

AM 1234

Too near edge of pl.

✓

AM 1242

9.55 e 20 9.75 9.50 = 9.62 13 12  
 9.50 r 3 f 9.80

✓

AM 1246

blaze

✓

AM 1276

9.05 e 20 9.25 9.05 = 9.15 10 10  
 9.05 r 1 d 9.15

✓

AM 1295

blaze

✓

AM 1333

8.80 f 20 9.00 8.85 = 8.92 08 07  
 8.85 r 20 9.05

✓

AM 434

9.55 e 20 9.75 9.50 = 9.62 13 12  
 9.50 r 3 f 9.80



Oct. 21, 1903.

69

GC 59 cont.

✓ AM 743-

9.15 dur 9.55-9.25=9.40 15 15

9.25 or 31 9.55

✓ AM 1809

Trail pl.

✓

Spudge. AM 784

9.55 e 10 9.65

f 10

✓ AM 799

Too near edge of pl.

✓ AM 807

Too near edge of pl.

✓ AM 849

Too near edge of pl.

✓ AM 904

9.55 e 20 9.75 9.50=9.62 13 12

9.50 or 31 9.80

✓ AM 956

Too near edge of pl.

✓ AM 943-

9.55 e 30 9.85 9.50=9.68 17 18

9.50 or 31 9.80

Oct. 21, 1903.

Z 659 cont.

✓

AM 960

Purple

✓

AM 1002

Pl. trailed

✓

AM 1171

9.55

230

9.85

9.60 = 9.72 13 12

9.60

22f

9.80

✓

A 2583

9.55

220

9.75

9.70 = 9.72 03 02

9.70

21f

9.80

d3, 12 9.45 00 00

✓

A 2454

Sensual eff.

✓

A 2276  
~~A 2583~~

9.15

d20

9.35

9.35 = 9.35 00 00

9.35

220

9.55

✓

A 1966

9.55

210

9.65

9.60 = 9.62 03 02

9.60

22f

9.80

✓

A 1906

9.15

d20

9.35

9.45 = 9.40 05 05

9.45

210

9.55



Oct. 21, 1903.

71

2659 cont.

✓ A4435 Sp.

9.15 dia 9.25-9.25=9.25 00 00

9.25 r32 9.55

✓ A4348 Sp.

8.80 L30 9.10 8.75-8.92 18 17

8.75 r30 9.05

✓ A4355 Sp.

8.80 L30 9.10 8.85-8.98 12 13

8.85 r20 9.05

✓ A2476

Not found

✓ A2529

9.15 d20 9.35-9.45=9.40 05 05

9.45 r12 9.55

✓ B25069

Not core

✓ B25012

✓ B6836 Sp.

8.52 a20 8.72 8.60-8.66 06 06

8.60 r20 8.80

9.15 d20 9.35-9.45=9.40 05 05

9.45 r12 9.55

✓ B6093

9.05 r10 9.15-8.95=9.05 10 10

8.95 r20 9.15

✓ B25303

Pl damaged

Oct. 26, 1903.

Var. U. Serpentiis BD +10 2956

<sup>h</sup> <sup>m</sup>  
16 0.4 + 10 19.5 (1855)

Comp. plans on L 65-24.

✓ I 22668  
~~R 14682~~

9.07	f 20	9.27	8:97 = 9.12	10	10
8.97	039	9.27			

✓ I 22389

9.72	h 30	10.02	10.02 = 10.02	00	00
10.02	02k	10.22			

✓ B 30540

9.72	h 30	10.02	9.82 = 9.92	10	10
9.82	04k	10.22			

✓ B 29852

10.22	h 20	10.42	10.44 = 10.43	01	01
10.44	03L	10.74			

✓ B 29843

9.72	h 40	10.12	10.02 = 10.07	05	05
10.02	02k	10.22			

✓ B 29699

10.74	h 30	11.04	10.94 = 10.99	05	05
10.94	02m	11.14			

✓ B 29569

11.14	m 30	11.44			
	m 1				

a m 10



Oct. 26, 1903.

73

U. Serpentes cont.

✓ B29375

11.14 m 2  $\frac{1}{2}$  11.34✓ B291<sup>84</sup><sub>93</sub>~~m 2  $\frac{1}{2}$~~ 11.14 m 2  $\frac{1}{2}$  11.34 11.54 = 11.44 10 1011.54  $\alpha$  1 m 11.64✓ B<sup>27966</sup><sub>28872</sub>11.64 m 2  $\frac{1}{2}$  11.8

✓ B27610

11.64 m 1  $\frac{1}{2}$  11.7

✓ B27585

11.14 m 3  $\alpha$  11.44 11.34 = 11.39 05 0511.34  $\alpha$  3 m 11.64✓ B<sup>25866</sup><sub>26649</sub>9.72 h 4  $\alpha$  10.12 9.92 = 10.02 10 109.92  $\alpha$  3 h 10.22

✓ B24985

11.64 m 1  $\frac{1}{2}$  11.7

✓ B23866

11.14 m 2  $\alpha$  11.34~~m 1  $\frac{1}{2}$~~

Oct. 26, 1903.

## U Serpentis cont

✓ B23614

11.14 m 1 $\frac{1}{2}$  11.24

✓ B23577

11.64 m 2 $\frac{1}{2}$  11.8

✓ B23444

11.14 m 2 $\frac{1}{2}$  11.34

✓ B23125

11.14 m 2 $\alpha$  11.34 11.44 = 11.39 05 0511.44  $\alpha$  2 m 11.64✓ B2025<sup>4</sup>11.64 m 2 $\frac{1}{2}$  11.84✓ B21219<sup>Sp</sup>10.22 R 2 $\frac{1}{2}$  10.42

✓ B21220

11.14 m 4 $\alpha$  11.54 11.44 = 11.49 05 05 m 2  $\frac{1}{2}$  R11.44  $\alpha$  2 m 11.64

✓ B21519

11.14 m 4 $\frac{1}{2}$  11.54

✓ B21949

9.72 h 3 $\alpha$  10.02 9.92 = 9.97 05 059.92  $\alpha$  3 p 10.22



Oct. 26, 1953.

75

W. Lerpentis cont.

✓ B 28453

10.74 h 3 r 11.04 11.04 = 11.04 00 00  
 11.04 r 1 m 11.14

✓ J 23015 Sp.

11.14 m 2 r 11.34 a  
 m 1 r

✓ J 22949

10.22 h 2 r 10.42 10.44 = 10.43 01 01  
 10.44 r 3 h 10.74

✓ J 22914

10.22 h 2 r 10.42 10.44 = 10.43 01 01  
 10.44 r 3 h 10.74

✓ J 18289

11.14 m 2 r 11.34 11.34 = 11.34 00 00  
 11.34 r 3 m 11.64

✓ J 19941 Sp.

Too near edge.

✓ J 20286 Sp.

9.72 h 3 r 10.02 10.02 = 10.02 00 00  
 10.02 r 2 h 10.22

h 2 r

✓ J 20844 Sp.

10.22 h 3 r 10.52

Oct. 26, 1903.

U. Supremis

✓ I 20985

9.72 h 30 10.02 9.92 = 9.97 05 05  
 9.92 r 3 h 10.22

✓ I 21043

9.27 g 30 9.57 9.42 = 9.50 07 08  
 9.42 r 3 h 9.72

✓ I 21331

11.14 m 10 11.24 11.44 = 11.34 10 10  
 11.44 r 2 n 11.64

✓ I 22297<sup>h</sup>

8.67 e 4 h 9.07

✓ I 22647<sup>h</sup>

9.27 g 30 9.57 9.52 = 9.54 03 03  
 9.52 r 2 h 9.72

I 6190<sup>h</sup>  
 Tooman edge.

✓ I 27068

11.64 n 2 r 11.84  
 R

✓ I 26625<sup>h</sup>  
~~27023~~

9.72 h 40 10.12 9.92 = 10.02 10 10  
 9.92 r 3 h 10.22



Oct. 26, 1903.

77

## U. Serpentes

✓ Q25768

10.22 h2r 10.42 10.44 = 10.43 01 01

10.44 a3l 10.74

✓ Q25767

10.22 h2r 10.42 10.44 = 10.43 01 01

10.44 a3l 10.74

✓ Q25760

9.72 h4r 10.12 10.02 = 10.07 05 05

10.02 a2k 10.22

✓ Q25542

9.07 f2r 9.27 9.07 = 9.17 10 10

9.07 a2g 9.27

✓ Q25508

9.27 g2r 9.47 9.62 = 9.54 07 08

9.62 a1h 9.72

✓ Q25505

9.27 g3r 9.57 9.52 = 9.54 03 02

9.52 a2h 9.75

✓ Q25492<sup>301</sup>11.64 n2r 11.84

R

✓ Q25291<sup>Sp.</sup>9.72 h4r 10.12 10.02 = 10.07 05 05

10.02 a2k 10.22

Oct. 26, 1903.

U. Serpens

✓

Q 231487

9.72

h1 A 9.82

✓

Q 28631

Surface

✓

Q 28788

10.74

h3 A 11.04 10.94 = 10.99 05 05

10.94

r2 m 11.14

✓

Q 28868

9.27

h3 A 9.57 9.62 = 9.60 03 02

9.62

h1 A 9.72

✓

Q 1392

Purple

✓

Q 216

10.22

h3 A 10.52 10.54 = 10.53 01 01

10.54

r2 l 10.74

✓

Q 243

8.67

h3 A 8.97 8.87 = 8.92 05 05

8.87

r2 f 9.07

✓

m  
Q 1208  
3787

Planned in reg. of rars.

✓

Q 847

10.22

h2 A 10.42



Oct. 26, 1903.

79

## U. Serpentes

✓

AD 419  
 9.72  $h_2 =$  9.92

✓

AB 381  
 9.72  $h_2 =$  9.92

✓

AB 1404  
 Too near edge of pl

✓

AB 2509  
 Pl. trailed

✓

AB 3672  
 10.22  $h_2 =$  10.52

✓

AB 3760  
 Poor pl

✓

AB 2435  
 9.27  $g_3 \alpha$  9.57  $9.52 = 9.54$  03 02  
 9.52  $\alpha_2 h$  9.72

✓

AB 310  
 9.27  $g_4 \alpha$  9.67  $9.52 = 9.60$  07 08  
 9.52  $\alpha_2 h$  9.72

✓

AB 207  
 9.72  $h_2$  10.12  $10.02 = 10.07$  05 05  
 10.02  $\alpha_2 h$  10.22

Oct. 26, 1903.

U Serpens

✓

AC 772

9.27

9.37

9.57

✓

AC 722

9.27

9.37

9.57

✓

AC 715

Pl. trailed

✓

AC 345

Class C

✓

AC 438

Pl. stained

✓

AM 1502

9.72

h 20

9.42

10.02

9.97

05

05

10.02

02 h

10.22

✓

AC 3733

Too near edge of pl.

✓

AM 378

Too near corner.

✓

AM 405

Too near corner.



Oct. 27, 1903.

81

*U Lupantis*

✓ *Al 3721*  
9.72 *h 3 A* 10.02

✓ *AM 32*  
10.22 *h 2 A* 10.42

✓ *AM 93*  
9.72 *h 1 A* 9.82

✓ *AM 386*  
*blank*

✓ *AM 502*  
9.72 *h 3 A* 10.02

✓ *AM 509*  
9.72 *h 4 A* 10.12  
*h 2 A*

✓ *AM 527*  
9.27 *g 2 r* 9.47 9.32 = 9.40 07 08  
9.32 *24 h* 9.72

✓ *AM 759*  
9.72 *h 2 r* 9.92 9.82 = 9.87 05 05  
9.82 *24 h* 10.22

✓ *AM 788*  
10.22 *h 3 r* 10.52 10.44 = 10.48 04 04  
10.44 *23 h* 10.74

Oct. 27, 1903.

U. Serpentis

✓ AM 824

10.22  $\frac{12.2}{2}$  10.42 10.64 = 10.53 11 1110.64  $\frac{21.2}{2}$  10.74

✓ AM 859

10.22  $\frac{12.3}{2}$  10.52

✓ AM 120

10.22  $\frac{12.1}{2}$  10.32

✓ AC 2798

9.72  $\frac{19.1}{2}$  9.82

✓ AM 472

10.22  $\frac{12.2}{2}$  10.42

✓ AM 658

9.72  $\frac{19.3}{2}$  10.02

✓ AM 858

blaze

✓ AM 860

10.22  $\frac{12.1}{2}$  10.32

✓ AM 965

10.22  $\frac{12.2}{2}$  10.42

✓ AM 1009

10.74  $\frac{12.2}{2}$  10.94



Oct. 27, 1903.

83

U. Serpentes cont.

✓

AM 1179  
 9.72  $\frac{h4}{\frac{1}{2}}$  10.12

✓

AM 1192  
 9.27 93  $\frac{1}{2}$  9.57

✓

AM 1219  
 10.74  $\frac{h1}{\frac{1}{2}}$  10.84

✓

AM 1348  
 9.27 93  $\frac{1}{2}$  9.57 9.42 = 9.50 07 08  
 9.42 93  $\frac{1}{2}$  9.72

✓

AM 1382  
 9.27 94  $\frac{1}{2}$  9.67 9.42 = 9.54 13 12  
 9.42 93  $\frac{1}{2}$  9.72

✓

AM 1395  
 9.27 94  $\frac{1}{2}$  9.67 9.42 = 9.54 13 12  
 9.42 93  $\frac{1}{2}$  9.72

✓

AM 1402  
 Clam

✓

AG 1203  
 Poor fl.

✓

AM 842  
 10.74  $\frac{h1}{\frac{1}{2}}$  10.84

Oct. 27, 1903.

U Serpentes

✓

AM 825

10.74

L 2 A

10.94

✓

AC <sup>905</sup> ~~1633~~

Pomph

✓

AC 2587

9.72

h 305

10.02

10.02 = 10.02 00 00

10.02

h 2 h

10.22

✓

AM 438

10.22

L 3 A

10.52

✓

AM 958

9.72

h 4 A

10.12

✓

AM 1182

9.72

h 1 A

9.82

✓

AM 1301

Alasle

✓

AM 1335

9.27

h 4 A

9.67

9.42 = 9.54 13 12

9.42

h 3 h

9.72

✓

AM 1361

9.27

h 305

9.57

9.42 = 9.50 07 08

9.42

h 3 h

9.72



Oct. 27, 1903.

85

U Serpentes

✓

AM 1386

9.27

9.42

9.67

9.42-9.54

13 12

9.42

h 3 h

9.72

✓

AM 1501

9.72

h 3 h

10.02

✓

AM 315

Class

✓

AM 44

Terminal edge of

✓

AM 191

10.22

h 2 h

10.42

✓

AM 407

Terminal point.

✓

AM 432

9.72

h 2 h

9.92

✓

AM 558

9.72

h 3 h

10.02

✓

AM 598

10.22

h 2 h

10.42

✓

AM 1209

10.74

h 1 h

10.84

Oct. 27, 1903.

U. Serpentes

✓ AM 1311  
9.72 h 3  $\frac{1}{2}$  10.02

✓ AC 337  
Pl. trailed

✓ AC 347  
blank

✓ AC 348  
blank

✓ AC 358  
blank

✓ AC 747  
10.74 l 1  $\frac{1}{2}$  10.84

✓ AC 750  
10.74 l 1  $\frac{1}{2}$  10.84

✓ AC 836  
Pl. trailed

✓ AC 863  
blank

✓ AC 864  
blank



Oct. 27, 1903.

87

U. Luminos

✓ AB 867  
10.74  $\frac{h2}{f}$  10.94

✓ AC 933  
9.27  $\frac{g4}{h}$  9.67 9.42 = 9.54 13 12  
9.42  $\frac{a3}{h}$  9.72

✓ AC 1307  
9.27  $\frac{g3}{h}$  9.57 9.42 = 9.50 07 08  
9.42  $\frac{a3}{h}$  9.72

✓ AC 1367  
9.72  $\frac{h3}{a}$  10.02 9.92 = 9.97 05 05  
9.92  $\frac{a3}{h}$  10.22

✓ AC 1855  
10.74  $\frac{h1}{f}$  10.84

✓ AC 1868  
9.72  $\frac{h4}{f}$  10.12

✓ AC 2424  
10.22  $\frac{h3}{f}$  10.52

✓ AC 2473  
10.74  $\frac{h2}{f}$  10.94

✓ AC 2543  
10.22  $\frac{h1}{f}$  10.32

Oct. 27, 1903.

U Serpentis

- ✓ AC 2588  
 9.72 h4 10.12
- ✓ AC 2622  
 9.27 9.40 9.67 9.52 = 9.60 07 08  
 9.52 h2h 9.72
- ✓ AC 2672  
 9.27 9.50 9.57 9.42 = 9.50 07 08  
 9.42 h3h 9.72
- ✓ AC 2728  
 9.72 h40 10.12 10.02 = 10.07 05 05  
 10.02 a2h 10.22
- ✓ AC 2769  
 10.22 h2h 10.42
- ✓ AC 2836  
 10.22 h2h 10.42
- ✓ AC 2842  
 9.72 h2h 9.92
- ✓ AC 3358  
 9.27 9.30 9.57 9.42 = 9.50 07 08  
 9.42 h3h 9.72
- ✓ AC 3433  
 P on fl



Oct. 27, 1903.

89

U Serpens

✓

AC 3518

10.22

h<sub>2</sub> St10.42

✓

Book. AC 3525

10.22

h<sub>1</sub> St

10.32

✓

AC 3569

10.22

h<sub>2</sub> St10.42

✓

AC 3583

10.74

h<sub>2</sub> St10.94

✓

AC 3677

10.74

h<sub>1</sub> St10.84

✓

AC 3751

10.74

h<sub>2</sub> St10.94

✓

AC 3717

h<sub>1</sub> St

✓

AC 3817

10.22

h<sub>3</sub> St10.52

✓

AC 3842

9.72

h<sub>2</sub> St9.92

✓

AC 3860

9.72

h<sub>2</sub> St9.92

Oct. 27, 1903.

II Supernovae

✓

Ab 3964

9.72

h1A = 9.82

✓

Ab 4014

9.72

h2A 9.92 9.92 = 9.92 00 00

9.92

or 3A 10.22

✓

Ab 3409

9.27

g3A 9.57 9.54 = 9.56 01 02

9.52

or 2h 9.72

✓

Ab 3593

9.72

h1A = 9.82

✓

Ab 3662

10.22

h3A 10.52

✓

Ab 3438

10.22

h2A 10.42

✓

Ab 3830

10.22

h2A 10.42

✓

Ab 3841

10.22

h2A 10.42

✓

Am 1721

9.72

h3A 10.02

Oct. 27, 1903.

91

V. Lefuntes

✓ AM 399  
Ser. eff.

✓ AM 402  
Ser. eff.

✓ AM 462  
10.74 list 10.84

✓ AM 522  
9.27 9.30 9.57 9.42 = 9.50 07 08  
9.42 9.30 9.72

✓ AM 564  
Tormapormen

✓ AB 1316  
9.27 9.40 9.67 9.42 = 9.54 13 12  
9.42 9.30 9.72

✓ AB 1350  
9.27 9.40 9.67 9.42 = 9.54 13 12  
9.42 9.30 9.72

✓ AB 1421  
10.22 10.20 10.42 10.44 = 10.43 01 01  
10.44 10.30 10.74

✓ AB 1426  
10.22 10.10 10.32 10.44 = 10.38 06 06  
10.44 10.74



Oct. 27, 1903.

U. Serpens

✓ Ale 1448  
 10.22 h 20 10.42 10.54 = 10.48 06 06  
 10.54 a 21 10.74

✓ Ale 1473  
 10.74 h 10 10.84  
 m 11

✓ Iproh. Ale 1486  
 Pl. trailed

✓ Ale 1556  
 Pl. trailed

✓ Ale 1659  
 9.72 h 31 10.02

✓ Ale 1703  
 10.22 h 21 10.42

✓ Ale 2357  
 10.22 h 31 10.54

✓ Ale 2467  
 P. m. pl.

✓ Ale 2472  
 10.22 h 21 10.42

Oct. 27, 1903.

93

U. Serpens

✓ Alb 2548

10.74 130 11.04 10.94 = 10.99 05 05

10.94 22m 11.14

✓ Alb 2552

Purple

✓ Alb 2613

9.72 12h 9.92

✓ Alb 2621

9.27 930 9.57 9.52 9.54 03 02

9.57 22h 9.72

✓ Alb 2669

9.27 930 9.57 9.42 = 9.50 07 08

9.42 23h 9.72

✓ Alb 2720

9.72 12h 9.92

✓ Alb 2813

10.22 12h 10.42

✓ Alb 236

9.27 940 9.67 9.42 = 9.54 13 12

9.42 23h 9.72

✓ Alb 296

9.27 920 9.57 9.52 = 9.54 03 02

9.52 22h 9.72

Oct. 27, 1903.

## U Serpentis

- ✓ Ale 331  
Broken to badly to be mended
- ✓ Ale 355  
blank
- ✓ Ale 410  
9.27 g 2  $\frac{1}{2}$  9.47
- ✓ Ale 434  
10.74 l 2  $\frac{1}{2}$  10.94
- ✓ Ale 438  
10.74 l 2  $\frac{1}{2}$  10.94
- ✓ Ale 484  
10.74 l 1  $\frac{1}{2}$  10.84
- ✓ Ale 488  
10.22 k 1  $\frac{1}{2}$  10.32
- ✓ Ale 816  
10.22 k 2  $\frac{1}{2}$  10.42
- ✓ Ale 834  
10.22 k 1  $\frac{1}{2}$  10.32
- ✓ Ale 876  
Pomph.



Oct. 27, 1903.

95

U. Serpenti

✓ AC 903  
Purple

✓ AC 904  
8.67 22 8.87

✓ AC 942  
9.27 92 9.47

✓ AC 1230  
9.72 h 47 10.12 9.92:10.02 10 10  
9.92 r 3 k 10.22

✓ AC 1362  
9.72 h 00 9.92 9.92 = 9.92 00 00  
9.92 r 3 k 10.22

✓ AC 1398  
Pl. trailed

✓ AC 1469  
10.22 52 10.42

✓ AC 1474  
9.72 h 1 9.82

✓ AC 1479  
o Prism Pl

Oct. 27, 1903.

U Serpentis

✓

Alc 1574

Poor pl.

✓

Alc 1576

10.22

h 1 A

10.32

✓

Alc 1626

9.72

h 2 A

9.92

✓

Alc 1657

9.72

h 3 A

10.02

✓

Alc 1665

9.72

h 3 A

10.02

✓

Alc 1683

9.72

h 2 A

9.92

✓

Alc 1716

9.72

h 2 A

9.92

✓

Alc 1788

9.72

h 4 A

10.12

✓

Alc 2239

10.22

h 3 A

10.52

✓

Alc 402

Poor pl.

Oct. 28, 1903.

97

U Serpentis

✓ AM 399  
Purple

✓ AC 1693  
10.22 K 2 A 10.42

✓ AM 480  
Class C

✓ AM 1292  
Class C

✓ AM 1420  
9.27 9.32-9.57 9.42=9.50 07.08  
9.42 23 h 9.72

✓ AM 1446  
9.27 9.27-9.47 9.42=9.44 03.02  
9.42 23 h 9.72

✓ AM 1588  
9.72 23 h 10.02 A K 2 N

✓ AM 1937  
11.14 m 1 A 11.24

✓ AM 1951  
10.74 L 2 A 10.94



Oct. 28, 1903.

## U. Serpens

✓

AM 574

9.27

9.42

930 9.57 9.42 = 9.50 07 08

930 9.72

✓

AM 651

10.22

R2  $\frac{A}{=}$ 10.42

✓

AM 795

10.22

R2  $\frac{A}{=}$ 10.42

✓

AM 857

lost

✓

AM 896

11.14

m1  $\frac{A}{=}$ 11.24

✓

AM 930

Pl. trailed

✓

AM 1020

10.22

R2  $\frac{A}{=}$ 10.42

✓

AM 1193

Too near center.

✓

AM 1250

11.14

m2  $\frac{A}{=}$ 11.34

Oct. 28, 1903.

99

*U. Leipunius*

✓ AM 1261

10.74 220 10.94 11.04 = 10.99 05 05

11.04 21m 11.14

✓ AM 1279

10.22 230 10.52 10.44 = 10.48 04 04

10.44 23l 10.74

✓ Al 860

Poorly

✓ Al 888

Torn near edge.

✓ Al 913

9.27 93 9.57

✓ Al 927

9.27 93 9.57

✓ Al 1004

Pl. trailed

✓ Al 1287

10.22 21 10.32

✓ Al 1311

9.27 94 9.67 9.52 = 9.60 07 08

9.52 22h 9.72

Oct. 28, 1903.

U Serpionis

✓

AC 1423

Purple

✓

AC 1441

Purple

✓

AC 1505

10.22

f1.5

10.32

✓

AC 1656

Pon in reg. of over.

✓

AC 1670

Pl. trailed

✓

AC 1706

Too near corner.

✓

AC 1759

9.07

f2.5 9.27

✓

AC 1813

9.07

f1.5 9.17

✓

AC 1829

9.07

f1.5 9.17

✓

AC 1916

9.72

f1.5 9.82



Oct. 28 1903.

101

U Serpentis

✓

AC 2462

10.22

K 2  $\frac{1}{2}$ 10.42

✓

AC 2530

10.22

K 2  $\frac{1}{2}$ 10.42

✓

AC 2560

9.72

K 3  $\frac{1}{2}$ 10.02

✓

AC 2637

10.22

K 2  $\frac{1}{2}$ 10.42

✓

AC 2719

9.72

K 2  $\frac{1}{2}$ 

9.92

a

✓

AC 2787

10.22

K 1  $\frac{1}{2}$ 10.32

✓

AC 3176

10.22

K 1  $\frac{1}{2}$ 10.32

✓

AC 3498

9.72

K 2  $\frac{1}{2}$ 9.92

✓

AC 3494

9.07

F 1  $\frac{1}{2}$ 9.17

✓

AC 3544

10.74

K 2  $\frac{1}{2}$ 10.94

Oct. 28, 1903.

U. Serpentes

✓ AC 3570  
9.72 h1 9.82

✓ AC 3589  
8.67 e3 8.97

✓ AC 3724  
9.72 h3 10.02

✓ AC 3727  
9.72 h1 9.82

✓ AC 3753  
10.22 h1 10.32

✓ AC 3808  
10.22 h1 10.32

✓ AC 3898  
10.22 h1 10.32

✓ AC 3957  
9.72 h1 9.82

✓ AC 4000  
9.72 h3 10.02 10.02 = 10.02 oo oo  
10.02 r2h 10.22

✓ AC 4002  
Tornadidge

Oct. 29, 1903.

103

*U. Serpenti*

✓ A 5480

11.64

$m \frac{2}{3} \cdot \underline{11.84}$

✓ A 3544

10.22

$P_{30} \quad 10.52 \quad 10.44 = 10.48 \quad 04 \underline{04}$

10.44

$\sigma_{30} \quad 10.74$



November 2, 1903.

New Var. L. Normal

16 <sup>m</sup> 9.0 - 52 21 (1900)

Comp. stars on B9160.

✓ B9160  
 9.96 k2r 10.16 10.01 = 10.08 08 07  
 10.01 r1l 10.11

✓ B27147  
 9.96 k2r 10.16 9.91 = 10.04 12 13  
 9.91 r2l 10.11

✓ B24<sup>979</sup>~~904~~  
 9.96 k2r 10.16 10.01 = 10.08 08 07  
 10.01 r1l 10.11

✓ B25117  
 Too near edge

✓ B25195  
 9.96 k3r 10.26 9.91 = 10.08 18 17  
 9.91 r2l 10.11

✓ B25219  
 10.11 k2r 10.31 9.99 = 10.15 16 16  
 9.99 r3m 10.29

✓ B25304  
 Too near edge

✓ B25528  
 10.11 k2r 10.31 10.09 = 10.20 11 11  
 10.09 r2m 10.29

Nov. 2, 1903.

105

Normal cont.

✓ B25740  
10.11 2<sup>nd</sup> 10.31 10.19 = 10.25 06 06  
10.19 2<sup>nd</sup> m 10.29

✓ B25957  
9.71 2<sup>nd</sup> 9.91 9.86 = 9.88 03 02  
9.86 2<sup>nd</sup> k 9.96

✓ B23045 Sp.  
Diff

✓ B23049  
9.96 2<sup>nd</sup> 10.16 9.91 = 10.04 12 13  
9.91 2<sup>nd</sup> L 10.11

✓ B2345 Sp.  
Diff

✓ B2346<sup>9</sup>  
10.11 2<sup>nd</sup> 10.31 9.99 = 10.15 16 16  
9.99 2<sup>nd</sup> m 10.29

✓ B23915  
10.11 2<sup>nd</sup> 10.31 9.99 = 10.15 16 16  
9.99 2<sup>nd</sup> m 10.29

✓ B23916  
10.11 2<sup>nd</sup> 10.31 A  
m 4

Nov. 2, 1903.

Normal cont.

✓ B23921

Too near edge of film

✓ B24849

10.11  $\bar{L}20$  10.31 9.99 = 10.15 16 16  
 9.99  $\alpha 3m$  10.29

✓ B20394

Too near edge of film

✓ B20442

9.96  $\bar{L}20$  10.16 10.01 = 10.08 08 07  
 10.01  $\alpha 1L$  10.11

✓ B19918 Sp.

Too near edge of film

✓ B19926 Sp.

9.96  $\bar{L}10$  10.06 10.01 = 10.04 02 03  
 10.01  $\alpha 1L$  10.11

✓ B19933 Sp.

9.96  $\bar{L}20$  10.16 10.01 = 10.08 08 07  
 10.01  $\alpha 1L$  10.11

✓ B16434

10.29  $m20$  10.49 10.24 = 10.38 <sup>6</sup> 13 12  
 10.24  $\alpha 1m$  10.34



Nov. 2, 1903.

107

Normal cont.

✓ B16564  
Too near edge of film

✓ B16825  
10.11 *h20* 10.31 10.19 = 10.25 06 06  
10.19 *o21m* 10.29

✓ B17553  
Poor in reg. of var.

✓ B19<sup>317</sup><sub>274</sub>  
9.96 *h20* 10.16 9.91 = 10.04 12 13  
9.91 *o21* 10.11

✓ B19322  
Too near edge of film

✓ B19344 *Sp.*  
Diff

✓ B19366  
9.71 *h10* 9.81 9.76 = 9.78 03 02  
9.76 *o2k* 9.96

✓ B19570 *Sp.*  
9.71 *h20* 9.91 9.76 = 9.84 07 08  
9.76 *o2k* 9.96

✓ B19620 *Sp.*  
9.71 *h10* 9.81 9.76 = 9.78 03 02  
9.76 *o2k* 9.96

Nov. 2, 1903.

St. Stormar cart.

✓ B 19640 Sp.  
Too near edge of film

✓ B 19894 Sp.  
Diff.

✓ B 19910 Sp.  
Diff.

✓ B 7605  
Purple

✓ B 7606  
Purple

✓ B 7676  
Purple

✓ B 7685 Sp.  
Diff.

✓ B 8263 Sp.  
Too in lg. of arm.

✓ <sup>9197</sup>  
B 8302 Sp.

10.11 120 10.31 9.99 = 10.15 16 16  
999 03m 10.29

✓ B 9457 Sp.  
Purple

Nov. 3, 1903.

109

*Normal cont.*

✓ B9492  
10.11 *h 20* 10.31 9.99 = 10.15 16 16  
9.99 *α 3 m* 10.29

✓ B9630 Sp.  
Purple

✓ B9631 Sp.  
Purple

✓ B9665  
9.96 *h 30* 10.26 9.91 = 10.08 18 17  
9.91 *α 2 l* 10.11

✓ B9666  
9.96 *h 30* 10.26 9.91 = 10.08 18 17  
9.91 *α 2 l* 10.11

✓ B9684  
9.96 *h 30* 10.26 9.91 = 10.08 18 17  
9.91 *α 2 l* 10.11

✓ B10993 Sp.  
P. tailed

✓ B10938<sup>57</sup>  
~~B10852~~  
9.96 *h 30* 10.26 9.81 = 10.04 22 23  
9.81 *α 3 l* 10.11



Nov. 3, 1903.

Normal cont

✓ B 10964  
 9.96 h 30 10.02 10.26 9.81 = 10.04 22 23  
 9.81 o 3 k 10.11

✓ B 3472 Sp.  
 Purple

✓ B 3353  
 9.71 h 10 9.81 9.76 = 9.78 03 02  
 9.76 o 2 k 9.96

✓ B 3553  
 9.71 h 20 9.91 9.76 = 9.84 07 08  
 9.76 o 2 k 9.96

✓ B 3563 Sp.  
 Purple

✓ B 3724 Sp.  
 Diff

✓ B 3739<sup>42</sup>  
 9.96 h 20 10.16 9.91 = 10.04 12 13  
 9.91 o 2 k 10.11

✓ B 3779  
 9.71 h 20 9.91 9.76 = 9.84 07 08  
 9.76 o 2 k 9.96

Nov. 3, 1903.

111

## Norman cont.

✓ B3900<sup>th</sup>  
Diff✓ B4852<sup>th</sup>  
Periph✓ B4885<sup>th</sup>  
Tormar edge of fl.✓ B4935<sup>th</sup>  
Tormar edge of fl.✓ B5916<sup>27</sup>9.71 h<sub>100</sub> 9.81 9.76 = 9.78 03 029.76 a<sub>2</sub>h 9.96

✓ B6081

9.66 g<sub>20</sub> 9.86 9.61 = 9.74 12 139.61 a<sub>1</sub>h 9.71

✓ B6082

9.71 h<sub>30</sub> 10.01 9.66 = <sup>9</sup>8.84 17 189.66 a<sub>3</sub>h 9.96

✓ B6094

9.66 g<sub>20</sub> 9.86 9.51 = 9.68 18 179.51 a<sub>2</sub>h 9.71

✓ B6278

9.66 g<sub>30</sub> 9.96 9.51 = 9.74 22 239.51 a<sub>2</sub>h 9.71

Nov. 3, 1903.

Normal cont

✓ B6279

9.71 h2r 9.91 9.66 = 9.78 13 12

9.66 r3k 9.96

✓ B.3714

9.96 h3r 10.26 9.81 = 10.04 22 23

9.81 r3l 10.11

✓ B6843 Sh.

Pl stained

✓ B 5517

Purple

✓ B5519

Test pl

~~B5535~~✓ B2738<sup>97</sup>9.71 h3r 10.01 9.66 = 9.84 17 18

9.66 r3k 9.96

✓ B25964

9.71 h2r 9.91 9.76 = 9.84 07 08

9.76 r2k 9.96

✓ B26005

9.71 h2r 9.91 9.66 = 9.78 13 12

9.66 r3k 9.96



Nov. 3, 1903.

113

St. Normae cont.

✓ B26012

9.66  $g_{2r}$  9.86 9.51 = 9.68 18 17  
9.57  $g_{2h}$  9.71

✓ B274<sup>558</sup>~~27~~

9.71  $h_{2r}$  9.91 9.66 = 9.78 13 12  
9.66  $g_{3h}$  9.96

✓ B276<sup>92</sup>~~76~~  
Surface

✓ B27709

9.71  $h_{2r}$  9.91 9.76 = 9.84 07 08  
9.76  $g_{2h}$  9.96

✓ B27898

9.66  $g_{2r}$  9.86 9.51 = 9.68 18 17  
9.57  $g_{2h}$  9.71

✓ B28281

9.71  $h_{2r}$  9.91 9.66 = 9.78 13 12  
9.66  $g_{3h}$  9.96

✓ B28310

9.66  $g_{2r}$  9.96 9.51 = 9.74 22 23  
9.57  $g_{2h}$  9.71

✓ B28460

9.71  $h_{2r}$  9.91 9.76 = 9.84 07 08  
9.76  $g_{2h}$  9.96

Nov. 3, 1903.

## Normae cont.

✓ B 25012  
 10.11 h12 10.21 10.09 = 10.15 06 06  
 10.09 a2m 10.29

✓ B<sub>25</sub><sup>303</sup>~~069~~  
 Pl damaged in ug. from

✓ B 27337  
 9.71 h12 9.81 9.66 = 9.74 07 08  
 9.66 a3k 9.96

✓ B 27371  
 Surface

~~B 20080 ff.~~  
 Too near edge of film

✓ B<sup>20240</sup>~~20090~~ ff.  
 9.96 h20 10.16 10.01 = 10.08 08 07  
 10.01 a1k 10.11

✓ B<sup>22060</sup>~~20970~~  
 9.71 h30 10.01 9.66 = 9.84 17 18  
 9.66 a3k 9.96

✓ B<sup>22455</sup>~~22455~~  
 9.96 h20 10.16 10.01 = 10.08 08 07  
 10.01 a1k 10.11

Nov. 3, 1903.

115

St. Normal cont.

✓ B22505

10.11 *h10* 10.21 10.09 = 10.15 06 0610.09 *22m* 10.29

✓ B22929

9.71 *h10* 9.81 9.66 = 9.74 07 089.66 *23k* 9.96✓ B11636 *Sp.*  
Diff

✓ B11801

9.96 *h20* 10.16 10.01 = 10.08 08 0710.01 *21h* 10.11

✓ B11848

9.96 *h10* 10.06 10.01 = 10.04 02 0310.01 *21h* 10.11✓ B12888 *Sp.*  
Peripl✓ B12889 *Sp.*  
Peripl✓ B12897 *Sp.*  
Peripl



Nov. 3, 1903.

Normae cont

✓ B12952  
 9.96 k10 10.06 9.81 = 9.94 12 13  
 9.81 o3l 10.11

✓ B12957  
 9.71 h2r 9.91 9.66 = 9.78 13 12  
 9.66 o3r 9.96

✓ B13088<sup>th</sup>  
 Diff.

✓ B11031  
 9.96 k10 10.06 9.91 = 9.98 08 07  
 9.91 o2l 10.11

✓ B11048<sup>243</sup><sup>th</sup>  
 9.96 k20 10.16 10.01 = 10.08 08 07  
 10.01 o1l 10.11

✓ B11278<sup>498</sup><sup>th</sup>  
 Diff.

✓ B11526<sup>th</sup>  
 Prompt Tooman edge of film

✓ B11595  
 9.96 k30 10.26 9.91 = 10.08 18 17  
 9.91 o2l 10.11

Nov. 3, 1903.

117

7 Informae cont.

✓ B<sub>11598</sub>

9.96  $\bar{h}2\alpha$  10.16 9.81 = 9.98 18 17  
 9.81  $\sigma 3\ell$  10.11

✓ B<sub>23000</sub>

9.96  $\bar{h}2\alpha$  10.16 10.01 = 10.08  $\sigma 8\sigma 7$   
 10.01  $\sigma 1\ell$  10.11

✓ B<sub>23002</sub>

9.96  $\bar{h}1\alpha$  10.06 9.81 = 9.94 12 13  
 9.81  $\sigma 3\ell$  10.11

✓ B<sub>23019</sub> Sp.

9.71  $\bar{h}2\alpha$  9.91 9.86 = 9.88  $\sigma 3\sigma 2$   
 9.86  $\sigma 1\ell$  9.96

✓ B<sub>21242</sub>

9.96  $\bar{h}2\alpha$  10.16 9.91 = 10.04 12 13  
 9.91  $\sigma 2\ell$  10.11

✓ B<sub>21640</sub> Sp.

9.71  $\bar{h}3\alpha$  10.01 9.76 = 9.88 13 12  
 9.76  $\sigma 2\ell$  9.96

✓ B<sub>21734</sub> Sp.  
Diff✓ B<sub>21832</sub> Sp.

9.71  $\bar{h}1\alpha$  9.81 9.86 = 9.84  $\sigma 3\sigma 2$   
 9.86  $\sigma 1\ell$  9.96

Nov. 3, 1903.

Oh Normal cont.

✓ B21853<sup>h</sup>

9.71	h2 <sub>α</sub>	9.91	9.76 = 9.84	07	<u>08</u>
9.76	σ2 <sub>k</sub>	9.96			

✓ B21868<sup>h</sup>

9.71	h2 <sub>α</sub>	9.91	9.66 = 9.78	13	<u>12</u>
9.66	σ3 <sub>k</sub>	9.96			

✓ B21893

9.71	h2 <sub>α</sub>	9.91	9.76 = 9.84	07	<u>08</u>
9.76	σ2 <sub>k</sub>	9.96			

✓ B21191

9.71	h2 <sub>α</sub>	9.91	9.76 = 9.84	07	<u>08</u>
9.76	σ2 <sub>k</sub>	9.96			

✓ B21895

9.71	h2 <sub>α</sub>	9.91	9.66 = 9.78	13	<u>12</u>
9.66	σ3 <sub>k</sub>	9.96			

Near edge B<sup>16022</sup>1993<sup>h</sup>

10.11	h2 <sub>α</sub>	10.31	10.09 = <sup>10</sup> 9.20	11	<u>11</u>
10.09	σ2 <sub>m</sub>	10.29			

✓ B16107

10.29	m2 <sub>α</sub>	10.49	10.14 = 10.32	17	<u>18</u>
10.14	σ2 <sub>m</sub>	10.34			



Nov. 3, 1903

119

## St. Normae cont.

✓ B16265

10.11 L30 10.41 10.09 = 10.25 16 1610.09  $\alpha$ 2m 10.29

✓ B16281

10.11 L30 10.41 10.09 = 10.25 16 1610.09  $\alpha$ 2m 10.29

✓ B16323

10.11 L20 10.31 9.99 = 10.15 16 169.99  $\alpha$ 3m 10.29

✓ B16357

10.11 L20 10.31 10.09 = 10.20 11 1110.09  $\alpha$ 2m 10.29

✓ B13338

9.71 L30 10.01 9.76 = 9.88 13 129.76  $\alpha$ 2k 9.96✓ B13526<sup>743</sup>

Too near edge of film

✓ B13835<sup>26</sup>9.71 L20 9.91 9.76 = 9.84 07 089.76  $\alpha$ 2k 9.96✓ B13835<sup>26</sup>  
Diff

Nov. 3, 1903.

Normal cut

✓ B15559  
 10.11  $\ell 2r$  10.31 9.99 = 10.15 16 16  
 9.99  $\alpha 3 m$  10.29

✓ B15<sup>8656</sup>~~485~~  
 10.29  $m 2r$  10.49 10.24 = 10.36 13 12  
 10.24  $\alpha 1 m$  10.34

✓ B16328  
 10.11  $\ell 2r$  10.31 10.19 = 10.25 06 06  
 10.19  $\alpha 1 m$  10.29

✓ AM879  
 9.66  $g 10r$  9.76 9.51 = 9.64 12 13  
 9.51  $\alpha 2 h$  9.71

✓ AM497  
 9.71  $h 2r$  9.91 9.76 = 9.84 07 08  
 9.76  $\alpha 2 h$  9.96

✓ AM529  
 9.71  $h 10r$  9.81 9.76 = 9.78 03 02  
 9.76  $\alpha 2 h$  9.96

✓ AM573  
 9.96  $h 2r$  10.16 9.81 = 9.98 18 17  
 9.81  $\alpha 3 l$  10.11

✓ AM764  
 9.71  $h 2r$  9.91 9.76 = 9.84 07 08  
 9.76  $\alpha 2 h$  9.96

Nov. 3, 1903.

121

St. Armae cont.

✓ AM1174  
 9.66 9.20 9.86 9.41 = 9.64 22 23  
 9.41 9.31 9.71

✓ AM955  
 Pl. trailed

✓ AM43  
 Pl. trailed

✓ AM60  
 9.96 9.20 10.16 a  
 9.71

✓ AM106  
 10.11 9.20 10.31 10.09 = 10.20 11 11  
 10.09 9.20 10.29

✓ AM387  
 Pl. trailed

✓ AM409  
 Pl. trailed

✓ AM412  
 9.96 9.20 10.16 a  
 9.71

✓ AM488  
 Pl. trailed



Nov. 3, 1903.

Stormac cont

✓

AM 988

9.36

9.46

for 9.66 9.46 = 9.56 10 10  
or 2g 9.66

✓

AM 960

9.36

9.46

for 9.56 9.46 = 9.51 05 05  
or 2g 9.66

✓

AM 27

10.11

10.09

for 10.31 10.09 = 10.20 11 11  
or 2m 10.29

✓

AM 833

9.71

9.66

for 9.91 9.66 = 9.78 13 12  
or 3h 9.96

✓

AM 1213

9.66

9.41

for 9.86 9.41 = 9.64 22 23  
or 3h 9.71

✓

AM 1171

9.36

9.46

for 9.66 9.46 = 9.56 10 10  
or 2g 9.66

✓

AM 1357

9.71

9.86

for 9.91 9.86 = 9.88 03 02  
or 1h 9.96

✓

AM 499

Nov. 3, 1903.

123

## Normal cont.

✓ AM 475  
Class C

✓ AM 426  
 9.96 230 10.26 9.91 = 10.08 18 17  
 9.91 220 10.11

✓ AM 411  
Ph trailed

✓ AM 225  
 10.29 m 2 10.49

✓ AM 656  
 9.36 230 9.66 9.46 = 9.56 10 10  
 9.46 229 9.66

✓ AM 555  
 9.71 220 9.91 9.86 = 9.88 03 02  
 9.86 210 9.96

✓ AM 575  
Ph trailed

✓ AM 1212  
 9.36 210 9.46 9.46 = 9.46 00 00  
 9.46 229 9.66

✓ AM 1205  
 9.66 220 9.86 9.51 = 9.68 18 17  
 9.51 210 9.71



Nov. 3, 1903.

St. Normal conf

✓ AM 1188

9.36

9.36

f 30 9.66 9.36 = 9.51 15 15  
α 3 g 9.66

✓ AM 1373

9.71

9.76

h 20 9.91 9.76 = 9.84 07 08  
α 2 h 9.96

✓ AM 1362

9.96

9.81

h 20 10.16 9.81 = 9.98 18 17  
α 3 l 10.11

✓ AM 1332

9.71

9.76

h 30 10.01 9.76 = 9.88 13 13  
α 2 h 9.96

✓ AM 1324

9.96

9.91

h 30 10.26 9.91 = 10.08 18 17  
α 2 l 10.11

✓ AM 1241

Class B

✓ AM 1826

9.96

9.91

h 40 10.36 9.91 = 10.14 22 23  
α 2 l 10.11

✓ AM 1512

9.71

9.66

h 30 10.01 9.66 = 9.84 17 18  
α 3 h 9.96



Nov. 3, 1903.

125

St. Normae cont.

✓ AM 1388

9.96 240 10.36 10.01; 10.18 18 17  
 10.01 210 10.11

✓ AM 379

9.66 92 9.86

✓ AM 745

9.96 220 10.16 9.81 = 9.98 18 17  
 9.81 230 10.11

✓ AM 525

10.11 220 10.31 10.09 = 10.20 11 11  
 10.09 220 10.29

✓ AM 485

blanck

✓ AM 471

blanck

✓ AM 1050

9.96 230 10.26 9.81 = 10.04 22 23  
 9.81 230 10.11

✓ AM 937

9.71 220 9.91 9.66 = 9.78 13 12  
 9.66 230 9.96

Nov. 3, 1903.

H. Starmacart

✓

AM 929

Pl. trailed

✓

AM 848

9.71

h 30

10.01

9.66 = 9.84 17 18

9.66

σ 3 k

9.96

✓

AM 815-

9.71

h 30

10.01

9.66 = 9.84 17 18

9.66

σ 3 k

9.96

✓

AM 775-

9.71

h 30

10.01

9.66 = 9.84 17 18

9.66

σ 3 k

9.96

✓

AM 1413

9.96

h 30

10.26

9.81 = 10.04 22 23

9.81

σ 3 k

10.11

✓

AM 1284

9.71

h 40

10.11

9.76 = 9.94 17 18

9.76

σ 2 k

9.96

✓

AM 1249

9.71

h 30

10.01

9.66 = 9.84 17 18

9.66

σ 3 k

9.96

✓

AM 1249

Clap C



Nov. 3, 1903.

127

*H. formae cont.*

✓ *AM 1235*

9.71 *h2r* 9.91 9.66 = 9.78 13 12  
9.66 *o3h* 9.96

✓ *AM 1809*

*Pl. trailed*

✓ *AM 1527*

9.71 *h1r* 9.81 9.66 = 9.74 07 08  
9.66 *o3h* 9.96

✓ *AM 1469*

9.96 *h2r* 10.16 9.81 = 9.98 18 17  
9.81 *o3h* 10.11

✓ *AM 1453*

9.96 *h2r* 10.16 9.71 = 9.94 22 23  
9.71 *o4h* 10.11

✓ *AM 1445*

9.96 *h3r* 10.26 9.91 = 10.08 18 17  
9.91 *o2h* 10.11

✓ *AM 1434*

9.96 *h3r* 10.26 9.91 = 10.08 18 17  
9.91 *o2h* 10.11

✓ *AM 73*

10.29 *mt* 10.39



Nov. 3, 1903.

St. Normal cont.

✓

AM 67

Pl. trailed

✓

AM 1002

Pl. trailed

✓

AM 1397

9.96

h 20

10.16

9.71 = 9.94 22 23

9.71

24h

10.11

✓

AM 1383

9.71

h 30

10.01

9.86 = 9.94 07 08

9.86

21h

9.96

✓

AM 1374

9.71

h 30

10.01

9.76 = 9.88 13 12

9.76

22h

9.96

✓

AM 1333

9.96

h 10

10.06

9.81 = <sup>9</sup>9.84 <sup>1</sup>22 13

9.81

23h

10.11

✓

AM 1295

Clear

✓

AM 1225

9.66

9 20

9.86

9.41 = 9.64 22 23

9.41

23h

9.71

Nov. 3, 1903.

129

St. Normal cont.

✓

AM 1829

9.71 h30 10.11 9.76-9.94 17 18

9.76 r2k 9.96

✓

AM 1640

9.96 h30 10.26 9.91-10.08 18 17

9.91 r2l 10.11

✓

AM 1498

9.71 h30 10.01 9.66-9.84 17 18

9.66 r3k 9.96

✓

AM 366

Poor in reg. of vac.

✓

AM 979

9.36 f30 9.66 9.36-9.51 15-16

9.36 r3g 9.66

✓

AM 6

Low Class F.

✓

AM 467

Class C

✓

AM 452

Class C

✓

AM 398

10.11 l 20 10.31 10.09-10.20 11 11

10.00 r2m 10.29



Nov. 3, 1903.

St. Normal cont.

✓

AM 434

9.96

h 30 10.26 9.81 = 10.04 22 23

9.81

o 3 l 10.11

✓

AM 840

9.96

h 30 10.01 9.81 = 9.8 23 18

9.86

o 3 k 9.96

✓

AM 124

10.11

h 20 10.31 10.09 = 10.20 11 11

10.09

o 2 m 10.29

✓

AM 180

10.11

h 20 10.31 9.99 = 10.15 16 16

9.99

o 3 m 10.29

✓

A 2824

9.71

h 20 9.91 9.86 = 9.88 03 02

9.86

o 1 k 9.96

✓

A 4348 Sp.

9.71

h 20 9.91 9.76 = 9.84 07 08

9.76

o 2 k 9.96

✓

A 3578

9.71

h 20 9.91 9.86 = 9.88 03 02

9.86

o 1 k 9.96



Nov. 5, 1903.

131

*Normal cont.*

✓ A 2466

9.71 h 2 m 9.91 9.86 = 9.88 03 02  
9.86 m 1 h 9.96

✓ A 1859

10.11 h 3 m 10.41 10.09 = <sup>10</sup>9.25 16 16  
10.09 m 2 m 10.29

✓ A 1860

10.11 h 3 m 10.41 10.09 = <sup>10</sup>9.25 16 16  
10.09 m 2 m 10.29

✓ A 1963

10.11 h 4 m 10.51 10.09 = 10.30 21 21  
10.09 m 2 m 10.29

✓ A 1827

9.96 h 3 m 10.26 10.01 = 10.14 12 13  
10.01 m 1 h 10.11

✓ A 3570

9.71 h 2 m 9.91 9.86 = 9.88 03 02  
9.86 m 1 h 9.96

November 10, 1903.

LTD M - 59° 10' 44.2"

16 14.6 - 50° 2' (1900)

Comp. stars on B27075 +  
AM 1324.

✓

B27075-

9.74

g 30

10.04

9.82 = 9.93

11 11

9.82

h 2

10.02

✓

B7942 Sp.

9.42

f 2 A

9.62

✓

B16328

9.74

g 10

9.84

9.82 = 9.83

01 01

9.82

h 2

10.02

✓

B21075-

9.12

h 2 A

9.32

✓

B21191

9.74

g 10

9.84

9.82 = 9.83

01 01

9.82

h 2

10.02

✓

B27900

9.74

g 30

10.04

9.82 = 9.93

11 11

9.82

h 2

10.02

B353

10.02

h 2

10.22

10.04 = 10.13

09 09

10.04

h 2

10.24



November 10, 1903.

133

CTM -50° 10442.

✓ B3714  
 10.02 h20 10.22 9.94 = 10.08 14 14  
 9.94 r3h 10.24

✓ B7685 Sp.  
 9.74 g30 10.04 9.92 = 9.97<sup>8</sup> 06 06  
 9.92 r1h 10.02

✓ B7606  
 9.74 g30 10.04 a  
 hA

✓ B8012 Sp.  
 9.10 e10 9.20 a  
 fA

✓ B8263 Sp.  
 r1h

✓ B11031  
 9.74 g20 9.94 9.82 = 9.88 06 06  
 9.82 r2h 10.02

✓ B9630 Sp.  
 9.10 e10 9.20 9.32 = 9.26 06 06 g1 r 9.9  
 9.32 r1f 9.42

✓ B9416 Sp.  
 9.74 g20 9.94 9.92 = 9.93 01 01  
 9.92 r1h 10.02



Nov. 10, 1903.

C D M - 50° 10442 cont.

✓ Bg204

9.74 930 10.04 9.72 = 9.88 16 16

9.72 93h 10.02

✓ Bg203

9.74 920 9.94 9.72 = 9.83 11 11

9.72 93h 10.02

✓ Bg202

9.74 930 10.04 9.82 = 9.93 11 11

9.82 92h 10.02

✓ Bg197

9.74 930 10.04 9.82 = 9.93 11 11

9.82 92h 10.02

✓ Near edge. B8619 Sp.

9.74 910 9.84  
9h 10

✓ B9631 Sp.

Too near edge of plate

✓ B6278

9.74 930 10.04 9.72 = 9.88 16 16

9.72 93h 10.02

✓ B6844 Sp.

Too near edge of plate

Nov. 10, 1903.

135

EDM - 50° 10442

✓ B6879 Sp.  
Purple✓ B7340 Sp.  
Purple

✓ B11493 Sp.

9.74 g1st 9.84

✓ B27472

9.74 g3a 10.04 9.82 = 9.93 11 11

9.82 g2h 10.02

✓ B22504

9.74 g2a 9.94 9.72 = 9.83 11 11

9.72 g3h 10.02

✓ B22523

9.74 g3a 10.04 9.82 = 9.93 11 11

9.82 g2h 10.02

✓ B22924

9.74 g3a 10.04 9.82 = 9.93 11 11

9.82 g2h 10.02

✓ B22929

9.74 g3a 10.04 9.82 = 9.93 11 11

9.82 g2h 10.02



Nov. 19, 1903.

CET M - 50° 10' 44.2"

✓ B23000

9.74 9.25 9.94 9.92 - 9.93 01 01  
 9.92 10.02

✓ B23019th.

9.42 f 25 9.62 9.54 = 9.58 04 04  
 9.54 10.29 9.74

✓ B23045th.

9.42 f 25 9.62 9.54 = 9.58 04 04  
 9.54 10.29 9.74

✓ B23049

9.74 9.35 10.04 9.72 = 9.88 16 16  
 9.72 10.02

✓ B2345th.

9.42 f 25 9.62 9.64 = 9.63 01 01  
 9.64 10.29 9.74

✓ B23469

9.74 9.25 9.94 9.92 = 9.93 01 01  
 9.92 10.02

✓ B23916

9.74 9.35 10.04 9.72 = 9.88 16 16  
 9.72 10.02

✓ B23921

9.74 9.25 9.94 9.72 = 9.88 11 11  
 9.72 10.02



Nov. 10, 1903.

137

OTM -50° 10442

✓ B25964

9.74 9.20 9.94 9.92 = 9.93 01 01

9.92 6.1 h 10.02

✓ B25957

9.74 9.30 10.04 9.82 = 9.93 11 11

9.82 6.2 h 10.02

✓ B25740

9.74 9.20 9.94 9.92 = 9.93 01 01

9.92 2.1 h 10.02

✓ B25528

9.74 9.20 9.94 9.92 = 9.93 01 01

9.92 6.1 h 10.02

✓ B11499th.

9.10 2.10 9.20 9.32 = 9.26 06 06

9.32 2.1 f 9.42

h.1 r 10.1

✓ B12957

9.74 9.30 10.04 9.92 = 9.98 06 06

9.92 6.1 h 10.02

✓ B12952

9.74 9.30 10.04 9.82 = 9.93 11 11

9.82 6.2 h 10.02

✓ B12889th

Per pl in sup. dras

Nov. 10, 1903.

LPM -50 10442

✓ B12888 Sh.  
Proving. if run.

✓ B11848  
9.74 9.30 10.04 9.92-9.98 06 06  
9.92 2.1 h 10.02

✓ B11696 Sh  
9.74 9.20 9.94 A  
h A

✓ B11801  
9.74 9.30 10.04 9.82-9.93 11 11  
9.82 2.2 h 10.02

✓ B27337  
9.74 9.20 9.94 9.92-9.93 01 01  
9.92 2.1 h 10.02

✓ B27147  
9.74 9.40 10.14 9.72-9.93 21 21  
9.72 2.3 h 10.02

✓ B26005-  
9.74 9.30 10.04 9.82-9.93 11 11  
9.82 2.2 h 10.02

✓ B27880  
Surface



Nov. 10, 1903.

139

CTM -50° 10442

✓ B27919  
 9.74 930 10.04 9.82 = 9.93 11 11  
 9.82 62h 10.02

✓ B28310  
 9.74 930 10.04 9.82 = 9.93 11 11  
 9.82 62h 10.02

✓ B24979  
 9.74 930 10.04 9.92 = 9.98 06 06  
 9.92 61h 10.02

✓ B24849  
 9.74 930 10.04 9.92 = 9.98 06 06  
 9.92 61h 10.02

✓ B25385  
 9.74 910 9.84 9.92 = 9.88 04 04  
 9.92 61h 10.02

✓ B27724  
 9.74 910 9.84 9.82 = 9.82 01 01  
 9.82 62h 10.02

✓ B27718  
 9.74 930 10.04 9.92 = 9.98 06 06  
 9.92 61h 10.02

✓ B27538  
 9.74 930 10.04 9.82 = 9.93 11 11  
 9.82 62h 10.02



Nov. 19, 1903.

CTM 50° 10442

✓ B25219  
 9.74 930 10.04 9.82 = 9.93 11 11  
 9.82 102h 10.02

✓ B25117  
 9.74 930 10.04 9.82 = 9.93 11 11  
 9.82 102h 10.02

✓ B25012  
 9.74 930 10.04 9.82 = 9.93 11 11  
 9.82 102h 10.02

✓ B3691 Sh  
 Too near edge of pl

✓ B3724 Sh.  
 9.74 920 9.94 @  
 102h

✓ B3738  
 9.74 920 9.94 9.92 = 9.93 01 01  
 9.92 101h 10.02

✓ B3742  
 9.74 930 10.04 9.82 = 9.93 11 11  
 9.82 102h 10.02

✓ B3779  
 9.74 940 10.14 9.82 = 9.98 16 16  
 9.82 102h 10.02

Nov. 10, 1953.

141

CDM -5° 10442

✓ B3804  
Too near edge of film

✓ B3918 Sp.  
Too in reg. frame

✓ B3930 Sp.  
9.74 9.25 9.94  
h h

✓ B3931 Sp.  
Too near edge of film

✓ B3941  
Too near edge of film

✓ B395-4 Sp.  
Too near edge of film

✓ B5335-  
9.74 9.45 10.14 9.82-9.98 16 16  
9.82 9.25 10.02

✓ B3552  
9.74 9.30 10.04 9.82 = 9.93 11 11  
9.82 9.25 10.02

✓ B3557  
Too near edge of film

Nov. 4, 1903.

OBM - 50° 10442

✓ B3487 Sh.  
Poor in ug. from.

✓ B3472 Sh.  
Poor in ug. from.

✓ B3563 Sh.  
Poor in ug. from.

✓ B3564 Sh.  
Poor in ug. from.

✓ B3604  
9.74 930 10.04  
Oh A

✓ B3688 Sh.  
Poor in ug. from.

✓ B16434  
9.74 930 10.04 9.82 = 9.93 11 11  
9.82 92h 10.02

✓ B16564  
9.74 930 10.04 9.82 = 9.93 11 11  
9.82 92h 10.02

✓ B16825  
9.74 930 10.04 9.82 = 9.93 11 11  
9.82 92h 10.02



Nov. 10, 1903.

143

CTM-50 10442

✓ B19317

9.74 930 10.04 9.72-9.88 16 16  
 9.72 83h 10.02

✓ B19322

9.74 930 10.04 9.82-9.93 11 11  
 9.82 82h 10.02

✓ B19344<sup>th</sup>

9.42 730 9.72 9.54-9.63 09 09  
 9.54 82g 9.74

✓ B19366

9.74 930 10.04 9.92-9.98 06 06  
 9.92 81h 10.02

✓ B13835<sup>th</sup>

10.02 710 10.12 10.04-10.08 04 04  
 10.04 82h 10.24

✓ B19570<sup>th</sup>

9.74 910 9.84 9.82-9.88 01 01  
 9.82 82h 10.02

✓ B20442

9.74 930 10.04 9.82-9.93 11 11  
 9.82 82h 10.02

✓ B20157<sup>th</sup>

9.74 910 9.84

Nov. 19, 1903.

O.D.M. - 50 10442

✓ B20092 Sh  
Pool in reg. of ran-

✓ B20080 Sh.  
9.42 930 9.72 9.54 = 9.63 09 09  
9.54 029 9.74

✓ B20001  
9.74 930 10.04 9.82 = 9.93 11 11  
9.82 02h 10.02

✓ B19937 Sh  
9.42 910 9.52 9.54 = 9.53 01 01  
9.54 029 9.74

✓ B19933 Sh  
9.42 930 9.72 9.54 = 9.63 09 09  
9.54 029 9.74

✓ B19926 Sh  
9.74 910 9.84  
Sh Sh

✓ B10323  
9.74 930 10.04 9.82 = 9.93 11 11  
9.82 02h 10.02

✓ B10357  
9.74 930 10.04 9.82 = 9.93 11 11  
9.82 02h 10.02

Nov. 10, 1903.

Let M - 50° 10442

✓ B4853 *h*  
Poring. from.

✓ B6082

9.74 9.30 10.04 9.82-9.93 11 11  
9.82 6.2h 10.02

✓ B6081

9.74 9.30 10.04 9.82-9.93 11 11  
9.82 6.2h 10.02

✓ B5928

9.74 9.30 10.04 9.82-9.93 11 11  
9.82 6.2h 10.02

✓ B5927

9.74 9.20 9.94 9.82-9.88 06 06  
9.82 6.2h 10.02

✓ B6094

9.74 9.30 10.04 9.82-9.93 11 11  
9.82 6.2h 10.02

✓ B3587

9.74 9.20 9.94 9.82-9.93 01 01  
9.92 6.1h 10.02

✓ B27692  
Lufan



Nov. 19, 1903.

LTD M-50° 10442

✓

B13527

9.74 g 30 10.04 9.82-9.93 11 11  
 9.82 2h 10.02

✓

B27380

Surface

✓

B6836

9.10 220 9.30 9.32 = 9.31 01 01 9.74 g 1 2h 9.84 9.82 9.83 01 01  
 9.32 01 9.42 9.82 10.02

✓

B6093

9.74 g 30 10.04 9.82-9.93 11 11  
 9.82 2h 10.02

✓

B19894 Sh.

9.42 f 20 9.62 a  
 g A

✓

B19620 Sh.

9.42 f 20 9.62 9.54-9.58 04 04  
 9.54 22g 9.74

✓

B20240

9.74 g 40 10.14 9.82-9.98 16 16  
 9.82 2h 10.02

✓

B21956

9.74 g 20 9.94 9.72-9.83 11 11  
 9.72 2h 10.02

Nov. 10, 1903.

147

CPM -50 10442

✓

B21895

9.74 9.20 9.94 9.82 = 9.88 06 06  
 9.82 02h 10.02

✓

B28460

9.74 9.30 10.04 9.82 9.93 11 11  
 9.82 02h 10.02

✓

B11636 Sp.

9.42 710 9.52  
 9.4

✓

B11597 Sp.

9.74 9.30 10.04 9.82 = 9.93 11 11  
 9.82 02h 10.02

✓

B11595

9.74 9.30 10.04 9.72 9.88 16 16  
 9.72 03h 10.02

✓

B9665

9.74 9.30 10.04 9.82 = 9.93 11 11  
 9.82 02h 10.02

✓

B9666

9.74 9.30 10.04 9.82 = 9.93 11 11  
 9.82 02h 10.02

✓

B9685

9.74 9.30 10.04 9.82 = 9.93 11 11  
 9.82 02h 10.02



Nov. 10, 1903.

ETM -50 10442

✓ B10963

9.74 9.30 10.04 9.82-9.93 11 11

9.82 9.2 h 10.02

✓ B11243

9.74 9.30 10.04 9.72-9.88 16 16

9.72 9.3 h 10.02

✓ B7605  
Pl. ushers

✓

Near edge of B35244

9.74 9.30 10.04 9

h h

✓ B4970 Sh.  
Poor✓ B4953 Sh.  
Poor in ug. of var.✓ B4954 Sh.  
Poor in ug. of var.✓ B4934 Sh.  
Poor in ug. of var.✓ B4885 Sh.  
Poor in ug. of var.



Nov. 10, 1903.

149

CDM - 50° 10442

✓ B4884 Sh.  
Poring. from

✓ B13826 Sh.

9.74 9.20 9.94 9.92 = 9.93 01 01  
9.92 10.02

✓ B13801 Sh.

9.42 9.20 9.62 9.64 = 9.63 01 01  
9.64 9.74

✓ B13743

9.74 9.30 10.04 9.92 = 9.88 16 16  
9.72 10.02

✓ B13338

9.74 9.30 10.04 9.92 = 9.98 06 06  
9.92 10.02

✓ B13088 Sh.

9.42 9.10 9.52 9.64 = 9.58 06 06  
9.64 9.74

✓ B13045 Sh.

9.42 9.20 9.62 9.64 = 9.63 01 01  
9.64 9.74

✓ B13037 Sh.

9.42 9.10 9.52 9.64 = 9.58 06 06  
9.64 9.74

Nov. 10, 1903.

Ct M - 5-0 10442

✓ B15559

9.74 9.20 9.94 9.92 = 9.93 01 01  
 9.92 6.1 h 10.02

✓ B15865

9.74 9.10 9.84 9.82 = 9.83 01 01  
 9.82 6.2 h 10.02

✓ B16022

9.74 9.30 10.04 9.82 = 9.93 11 11  
 9.82 6.2 h 10.02

✓ B16107

9.74 9.30 10.04 9.82 = 9.93 11 11  
 9.82 6.2 h 10.02

✓ B16261

9.74 9.30 10.04 9.72 = 9.88 16 16  
 9.72 6.3 h 10.02

✓ B16281

9.74 9.20 9.94 9.72 = 9.83 11 11  
 9.72 6.3 h 10.02

✓ B21893

9.74 9.30 10.04 9.82 = 9.93 11 11  
 9.82 6.2 h 10.02

✓ B21868

9.42 9.30 9.72 9.54 = 9.63 09 09  
 9.54 6.4 h 9.74



Nov. 19, 1903.

151

OTM - 50° 10442

✓ B21853 Sp.

9.74 9.84 9.82 = 9.83 01 01  
9.82 10.02

✓ B21842 Sp.

9.42 9.62 9.54 = 9.58 04 04  
9.54 9.74

✓ B21832 Sp.

9.42 9.62 9.64 = 9.63 01 01  
9.64 9.74

✓ B21698 Sp.

9.42 9.52 a

✓ B21640 Sp.

9.42 9.62 9.54 = 9.58 04 04  
9.54 9.74

✓ B21060

9.74 10.04 9.72 = 9.88 06 16  
9.72 10.02

✓ B22473

9.74 10.04 9.92 = 9.98 06 06  
9.92 10.02

✓ B2160

9.74 9.94 9.92 = 9.98 06 06  
9.92 10.02



Nov. 11, 1903.

CDM-50 10442

✓ B13978  
 9.42 f20 9.62 9.64 = 9.63 01 01  
 9.64 r19 9.74

✓ AM 1324  
 9.74 g30 10.04 9.82 = 9.93<sup>3</sup> ~~06~~ 06 11 11  
 9.82 r22h 10.02

✓ AM 1388  
 9.74 g20 9.94 9.92 = 9.93 01 01  
 9.92 r1h 10.02

✓ AM 1512  
 9.74 g20 9.94 9.82 = 9.88 06 06  
 9.82 r2h 10.02

✓ AM 1826  
 9.74 g30 10.04 9.82 = 9.93 11 11  
 9.82 r2h 10.02

✓ AM 1362  
 9.74 g30 10.04 9.82 = 9.93 11 11  
 9.82 r2h 10.02

✓ AM 1373  
 9.74 g30 10.04 9.82 = 9.93 11 11  
 9.82 r2h 10.02

✓ AM 1188  
 9.74 g30 10.04 9.82 = 9.93 11 11  
 9.82 r2h 10.02

Nov. 11, 1903.

153

AM -50° 10442

✓ AM 1205

9.74 930 10.04 9.82 = 9.93 11 11  
9.82 02h 10.02

✓ AM 1212

Pl. trailed in reg. of star.

✓ AM 515

Pl. trailed

✓ AM 555-

9.74 930 10.04 9.72 = 9.88 16 16  
9.72 03h 10.02

✓ AM 656

9.74 930 10.04 9.72 = 9.88 16 16  
9.72 03h 10.02

✓ AM 225-

9.74 920 9.94 9.82 = 9.88<sup>7</sup> 06 06  
9.82 03h 10.02

✓ AM 411

Poor pl.

✓ AM 426

9.74 940 10.14 9.82 = 9.98 16 16  
9.82 02h 10.02

Nov. 11, 1903.

C 72-50 10442

✓ AM 80

9.74 9.30 10.04 9.82-9.93 11 11  
 9.82 6.2 h 10.02

✓ AM 124

9.74 9.40 10.14 9.72-9.93 21 21  
 9.72 6.3 h 10.02

✓ AM 840

9.74 9.40 10.14 9.82-9.98 16 16  
 9.82 6.2 h 10.02

✓ AM 454

9.74 9.30 10.04 9.82-9.93 11 11  
 9.82 6.2 h 10.02

✓ AM 398

9.74 9.30 10.04 9.82-9.93 11 11  
 9.82 6.2 h 10.02

✓ AM 452

C 72-50 10442

✓ AM 467

C 72-50 10442

✓ AM 6

P 0.00



Nov. 11, 1903.

155

EDM-50 10442

✓ AM 471  
Class C

✓ AM 485  
Class C

✓ AM 525

9.74 930 10.04 9.82 = 9.93 11 11

9.82 22h 10.02

✓ AM 445

10.02 220 10.22 10.14 = 10.18 04 04

10.14 21h 10.24

✓ AM 379

9.74 91h 9.84

✓ AM 60

9.74 930 10.04 9.82 = 9.93 11 11

9.82 22h 10.02

✓ AM 43

Pb trailed

✓ AM 955

Pb trailed

✓ AM 1174

9.74 930 10.04 9.72 = 9.88 16 16

9.72 23h 10.02

Nov. 11, 1903.

ctm - 50 10442

J

AM 764

9.74	930	10.04	9.72 = 9.88	16	<u>16</u>
9.72	63h	10.02			

J

AM 573

9.74	920	9.94	9.72 = 9.83	11	<u>11</u>
9.72	63h	10.02			

J

AM 529

9.74	940	10.14	9.82 = 9.98	16	<u>16</u>
9.82	62h	10.02			

J

AM 497

9.74	930	10.04		<u>A</u>
	63h			

J

AM 475

blank

J

AM 979

9.74	930	10.04	9.82 = 9.93	11	<u>11</u>
9.82	62h	10.02			

J

AM 366

9.74	930	10.04	9.72 = 9.88	16	<u>16</u>
9.72	63h	10.02			

J

AM 1492

9.74	930	10.04	9.72 = 9.88	16	<u>16</u>
9.72	63h	10.02			

Nov. 11, 1902.

157

ADM-50 10442

✓ ADM 1640

9.74 930 10.04 9.82 = 9.93 11 11  
9.82 82h 10.02

✓ ADM 1829

9.74 930 10.04 9.72 = 9.88 16 16  
9.72 83h 10.02

✓ ADM 1351

9.74 930 10.04 9.82 = 9.93 11 11  
9.82 82h 10.02

✓ ADM 1171

9.74 930 10.04 9.82 = 9.93 11 11  
9.82 82h 10.02

✓ ADM 1213

9.74 930 10.04 9.82 = 9.93 11 11  
9.82 82h 10.02

✓ ADM 833

9.74 930 10.04 9.82 = 9.93 11 11  
9.82 82h 10.02

✓ ADM 960

Pl. traded

✓ ADM 988

9.74 920 9.94 9.82 = 9.88 06 06  
9.82 82h 10.02



Nov. 11, 1903.

Obj M-50 10442

✓ AM488  
blanck✓ AM412  
Poor in neg. of spec.✓ AM409  
Purple✓ AM387  
blanck✓ AM106  
9.74 9.30 10.04 9.82-9.93 11 11  
9.82 8.2h 10.02✓ AM1374  
9.74 9.25 9.94 9.82-9.93<sup>88</sup> 06 06  
9.82 8.2h 10.02✓ AM1383  
9.74 9.30 10.04 9.82-9.93 11 11  
9.82 8.2h 10.02✓ AM1397  
9.74 9.30 10.04 9.72-9.88 16 16  
9.72 8.3h 10.02✓ AM1835  
Too near edge of pl.

Nov. 11, 1903.

159

CDM -50 10442

✓ AM 1924

9.74 930 10.04 9.92 - 9.98 06 06

9.92 21 h 10.02

✓ AM 1936

10.02 220 10.22 10.04 - 10.13 09 09

10.04 22 h 10.24

✓ AM 1002

Pl. trailed

✓ AM 67

Pl. trailed

✓ AM 73

9.74 930 10.04 9.82 - 9.93 11 11

9.82 22 h 10.02

✓ AM 1434

9.74 930 10.04 9.92 - 9.98 06 06

9.92 21 h 10.02

✓ AM 1445

9.74 920 9.94 9.92 - 9.93 01 01

9.92 21 h 10.02

✓ AM 1527

Spaced in regions of var.

Nov. 11, 1903.

CPM -50° 1.0442

✓ AM 1509  
Retrailed

✓ AM 1240  
blank

✓ AM 1249

9.74 9.30 10.04 9.82-9.93 11 11  
9.82 8.2 h 10.02

AM 809  
Too much edge of plate

✓ AM 1235

9.74 9.30 10.04 9.82-9.93 11 11  
9.82 8.2 h 10.02

✓ AM 475

9.74 9.30 10.04 9.82-9.93 11 11  
9.82 8.2 h 10.02

✓ AM 1469

9.74 9.30 10.04 9.82-9.93 11 11  
9.82 8.2 h 10.02

✓ AM 1453

9.74 9.30 10.04 9.82-9.93 11 11  
9.82 8.2 h 10.02



Nov. 11, 1903.

161

OBM -50° 10442

✓

AM 27

9.74 9.30 10.04 9.92 = 9.98 06 06

9.92 2.1 h 10.02

✓

AM 1413

10.02 h 10 10.12 10.04 = 10.08 04 04

10.04 0.2 h 10.24

✓

AM 1225

9.74 9.30 10.04 9.82 = 9.93 11 11

9.82 0.2 h 10.02

✓

AM 1295

Clarke

✓

AM 1333

9.74 9.30 10.04 9.72 = 9.88 16 16

9.72 0.3 h 10.02

✓

AM 1284

9.74 9.30 10.04 9.82 = 9.93 11 11

9.82 0.2 h 10.02

✓

AM 879

9.74 9.30 10.04 9.82 = 9.93 11 11

9.82 0.2 h 10.02

✓

AM 1050

10.02 h 10 10.12 a

Nov. 11, 1903.

CPM -50° 10442

✓

AM 937

9.74

g 30

10.04

9.82 = 9.93 11 11

9.82

h 22

10.02

✓

AM 929

Pl. trailed

✓

AM 848

9.74

g 20

9.94

9.92 = 9.93 01 01

9.92

h 10

10.02

✓

AM 815

9.74

g 40

10.14

9.82 = 9.98 16 16

9.82

h 20

10.02

✓

A 3570 Sp.

9.74

g 20

9.94

9.82 = 9.88 06 06

9.82

h 20

10.02

✓

A 5610

Too near edge of pl.

✓

Near edge of pl. A 4348 Sp.

9.42

f 10

9.52

9.64 = 9.58 06 06

9.64

g 10

9.74

✓

A 3603 Sp.

9.42

f 20

9.62

9.64 = 9.63 01 01

9.64

g 10

9.74

Nov. 11, 1903.

163

OSM - 5-0° 10442

✓ A 2583

Too near edge of pl.

✓  
New ridge A 2569

9.74

9.15  
h<sub>1</sub>

9.84

✓ A 2466

9.74

9.25  
h<sub>1</sub>

9.94

9.92 = 9.93 01 01

9.92

10.02

✓ A 1860

9.74

9.12  
h<sub>1</sub>

9.84

9.72 = 9.78 06 06

9.72

10.02

✓ A 1827

9.74

9.30  
h<sub>1</sub>

10.04

9.72 = 9.88 16 16

9.72

10.02



Nov. 18 1903.

h m ° '   
 Val. 1639.8 -67 30 (1903)

Gillis 12037

Computation on B11466  
 + CM 1305.

✓ B11466

9.47 9.30 9.77 9.62 = 9.70 07 08  
 9.62 9.2h 9.82

✓ B15591

9.47 9.30 9.77 9.72 = 9.74 03 02  
 9.72 9.1h 9.82

✓ B22888

9.82 h 30 10.12 9.72 = 9.92 20 20  
 9.72 9.3h 10.02

✓ B30330

9.82 h 20 10.02 9.82 = 9.92 10 10  
 9.82 9.2h 10.02

✓ B30190

9.32 f 10 9.42 9.27 = 9.34 08 07  
 9.27 9.2g 9.47

✓ B30537

9.82 h 30 10.12 9.82 = 9.97 15 15  
 9.82 9.2h 10.02

✓ B8015-Sp.

9.47 9.20 9.67 9.72 = 9.70 03 02  
 9.72 9.1h 9.82

Nov. 18, 1903.

165

Gillis 12037 cont.

✓ B9162

9.82 h10 9.92 9.82 = 9.87 05 05

9.82 22 h 10.02

✓ B8424 Sp.

10.02 h1 = 10.12

✓ B9268

9.47 g20 9.67 9.72 = 9.70 03 02

9.72 21 h 9.82

✓ B9269

9.47 g30 9.77 9.72 = 9.74 03 02

9.72 21 h 9.82

✓ B9312

9.47 g40 9.87 9.52 = 9.70 17 18

9.52 23 h 9.82

✓ B6858 Sp.

9.32 f20 9.52 9.37 = 9.44 08 07

9.37 21 g 9.47

✓ B3781

9.47 g30 9.77 9.62 = 9.70 07 08

9.62 22 h 9.82

✓ B3780

9.82 h20 10.02 9.92 = 9.97 05 05

9.92 21 h 10.02

Nov. 18, 1903.

Gillis 12037 part

✓ B 3778

9.82 h 20 10.02 9.72 = 9.87 15 15

9.72 o 3 h 10.02

✓ B 6856 Sp.

9.82 h 1 4 9.92

✓ B 6837 Sp.

9.82 h 20 10.02 9.72 = 9.87 15 15

9.72 o 3 h 10.02

✓ B 6821 Sp.

8.90 e 2 1/2 9.1

✓ B 6372

9.47 g 30 9.77 9.62 = 9.70 07 08

9.62 o 2 h 9.82

✓ B 28280

9.47 g 30 9.77 9.52 = 9.64 13 13

9.52 o 3 h 9.82

✓ B 28407

9.82 h 20 10.02 9.72 = 9.87 15 15

9.72 o 3 h 10.02

✓ B 29462

9.32 f 10 9.42 9.27 = 9.34 08 07

9.27 o 2 g 9.47



Nov. 18, 1903.

167

Gillis 12037 cont.

✓ B29756

9.47 9.30 9.77 9.72 = 9.74 03 02  
9.72 01h 9.82

✓ B29986

9.47 9.20 9.67 9.62 = 9.64 03 02  
9.62 02h 9.82

✓ B29999

9.47 9.20 9.67 9.62 = 9.64 03 02  
9.62 02h 9.82

✓ B235118

9.32 9.20 9.52 9.37 = 9.44 08 07  
9.37 01g 9.47

✓ B20370Sp.

9.32 9.10 9.42 9.37 = 9.40 02 03  
9.37 01g 9.47

✓ B20395

9.47 9.10 9.57 9.62 = 9.60 03 02  
9.62 02h 9.82

✓ B20498

9.47 9.30 9.77 9.72 = 9.74 03 02  
9.72 01h 9.82

✓ B27637

9.32 9.27 9.42 9.27 = 9.34 08 07

Nov. 18, 1903.

Willis 12037 cont.

✓

B27662

9.32  $\frac{f}{10}$  9.42 9.27 = 9.34 08 07  
 9.27  $\frac{029}{h}$  9.47

✓

B27725

9.47  $\frac{920}{h}$  9.67 9.62 = 9.64 03 02  
 9.62  $\frac{02h}{h}$  9.82

✓

B27844

9.82  $\frac{h20}{h}$  10.02 9.72 = 9.87 15 15  
 9.72  $\frac{03h}{h}$  10.02

✓

B27901

9.47  $\frac{910}{h}$  9.67 9.72 = 9.64 07 08  
 9.72  $\frac{01h}{h}$  9.82

✓

B27938

9.47  $\frac{930}{h}$  9.77 9.62 = 9.70 07 08  
 9.62  $\frac{02h}{h}$  9.82

✓

B27119

9.47  $\frac{930}{h}$  9.77 9.62 = 9.70 07 08  
 9.62  $\frac{02h}{h}$  9.82

✓

B26286

9.47  $\frac{930}{h}$  9.77 9.62 = 9.70 07 08  
 9.62  $\frac{02h}{h}$  9.82



Nov. 18, 1903.

169

Gillis 12037 cont.

✓ B26081

9.47 9.30 9.77 9.62 = 9.70 07 08  
 9.62 02h 9.82

✓ B26013

9.82 9.10 9.92 9.72 = 9.82 10 10  
 9.72 03h 10.02

✓ B25966

9.47 9.20 9.67 9.62 = 9.64 03 02  
 9.62 02h 9.82

✓ B27145

9.82 9.20 10.02 9.72 = 9.87 15 15  
 9.72 03h 10.02

✓ B25665

9.47 9.10 9.57 9.62 = 9.60 03 02  
 9.62 02h 9.82

✓ B25633

9.47 9.10 9.57 9.52 = 9.54 03 02  
 9.52 03h 9.82

✓ B25561

9.82 9.20 9.52 9.27 = 9.40 12 13  
 9.27 02g 9.47



Nov. 18, 1903.

Gillis 12037 cont.

✓ B25520

9.82 h 10 9.92 9.82 = 9.87 05 05  
 9.82 o 2 k 10.02

✓ B25421

9.82 h 10 9.92 9.82 = 9.87 05 05  
 9.82 o 2 k 10.02

✓ B25383

9.82 h 10 9.92 9.72 = 9.82 10 10  
 9.72 o 3 k 10.02

✓ B25272

9.47 g 10 9.57 9.62 = 9.60 03 02  
 9.62 o 2 k 9.82

✓ B22886

9.82 h 10 9.92 9.82 = 9.87 05 05  
 9.82 o 2 k 10.02

✓ B22553

9.47 g 10 9.77 9.72 = 9.74 03 02  
 9.72 o 1 k 9.82

✓ B22522

9.82 h 30 10.12 9.82 = 9.97 15 15  
 9.82 o 2 k 10.02

Nov. 18, 1903.

171

Gillis 12037 cont.

✓ B22032

9.82 h2α 10.02 9.72 = 9.87 15 15

9.72 α3k 10.02

✓ B21142

9.47 g1α 9.57 9.62 = 9.60 03 02

9.62 α2k 9.82

✓ B21138

9.82 h2α 10.02 9.72 = 9.87 15 15

9.72 α3k 10.02

✓ B24986

9.47 g1α 9.57 9.72 = 9.64 07 08

9.72 α1k 9.82

✓ B23477

9.82 h1α 9.92 9.82 = 9.87 05 05

9.82 α2k 10.02

✓ B23476

9.82 h2α 10.02 9.82 = 9.92 10 10

9.82 α2k 10.02

✓ B19321

9.47 g3α 9.77 9.72 = 9.74 03 02

9.72 α1k 9.82

Nov. 18, 1903.

Gillis 12037 cont

✓ B19165

9.47	930	9.77	962 = 9.70	07	<u>08</u>
9.62	92h	9.82			

✓ B17180

9.47	930	9.77	9.72 = 9.74	<sup>6</sup> 22	<sup>13</sup> 22	<sup>12</sup> 22
9.72	93h	9.82				

✓ B4026

9.47	920	9.67	9.72 = 9.70	<u>03</u>	02
9.72	91h	9.82			

✓ B5031 Sp.

Poor in reg. from.

✓ B5036 Sp.

Poor in reg. from.

✓ B5100 Sp.

Poor in reg. from.

✓ B5148 Sp.

Poor

✓ B3913 Sp.

Poor in reg. from.

✓ B3895

9.47	900	9.67	962 = 9.64	03	<u>02</u>
9.62	92h	9.82			



Nov. 18, 1903.

173

Gillis 12037 cont.

✓ B3859

9.82 h 20 10.02 9.72 = 9.87 15 15  
9.72 a 3 h 10.02

✓ B6293

9.47 g 20 9.67 9.72 = 9.70 03 02  
9.72 a 1 h 9.82

✓ B6285

9.47 g 30 9.77  
h 2

✓ B11465

9.47 g 30 9.77 9.62 = 9.70 07 08  
9.62 a 2 h 9.82

✓ B11132

9.47 g 30 9.77 9.62 = 9.70 07 08  
9.62 a 2 h 9.82

✓ B11064 Sp.

Pool in reg. fran.

✓ B10965

9.47 g 20 9.67 9.42 = 9.54 13 12  
9.42 a 4 h 9.82

✓ B10857 Sp.

Pool in reg. fran.

Nov. 18, 1903.

Willis 12037 cont.

✓ B9645

9.82 h10 9.92 9.72 = 9.82 10 10

9.72 o3h 10.02

✓ B9637

9.47 9.50 9.77 9.62 = 9.70 07 08

9.62 o2h 9.82

✓ B13099 Sp.

~~o2h Poor in ug. of var.~~

✓ B5214 Sp.

Poor in ug. of var.

✓ B5274 Sp.

Poor in ug. of var.

✓ B5635 Sp.

Poor in ug. of var.

✓ B5659 Sp.

Poor in ug. of var.

✓ B6280

Poor in ug. of var.

✓ B14444

9.47 9.20 9.67 9.72 = 9.70 03 02

9.72 o1h 9.82

Nov. 18, 1903.

175

Willis 12037 cont.

✓ B15593

9.82 h10 9.92 9.72 = 9.82 10 10

9.72 03 h 10.02

✓ B16360

9.47 930 9.77 9.72 = 9.74 03 02

9.72 01 h 9.82

✓ B16361

9.82 h20 10.02 9.72 = 9.87 15 15

9.72 03 h 10.02

✓ B12095

9.47 930 9.77 9.62 = 9.70 07 08

9.62 02 h 9.82

✓ B12896 Sp.

Poring sig. of rac.

✓ B12912

9.47 930 9.77 9.62 = 9.70 07 08

9.62 02 h 9.82

✓ B12954

9.82 h20 10.02 9.72 = 9.87 15 15

9.72 03 h 10.02

✓ B12958

9.82 h10 9.92 9.82 = 9.87 05 05

9.82 02 h 10.02



Nov. 18, 1903.

Gillis 12037 cont.

✓

B<sub>12998</sub>9.82 h2 $\alpha$  10.02 9.72 = 9.87 15 159.72  $\alpha$ 3h 10.02

✓

B<sub>13000</sub>9.82 h1 $\alpha$  9.92 9.82 = 9.87 05 059.82  $\alpha$ 2h 10.02

✓

B<sub>11556</sub>9.47 g2 $\alpha$  9.67 9.72 = 9.70 03 029.72  $\alpha$ 1h 9.82

✓

B<sub>11637</sub> Sp.9.47 g1 $\alpha$  9.57 9.72 = 9.64 07 089.72  $\alpha$ 1h 9.82

✓

B<sub>11642</sub> Sp.9.32 f1 $\alpha$  9.42 9.27 = 9.34 08 079.27  $\alpha$ 2g 9.47

✓

B<sub>11726</sub> Sp.9.47 g1 $\alpha$  9.57 9.72 = 9.64 07 089.72  $\alpha$ 1h 9.82

✓

B<sub>11746</sub> Sp.9.47 g1 $\alpha$  9.57 9.62 = 9.60 03 029.62  $\alpha$ 2h 9.82

✓

B<sub>11850</sub>9.82 h1 $\alpha$  9.92 9.82 = 9.87 05 059.82  $\alpha$ 2h 10.02

Nov. 18, 1903.

177

Gillis 12037 cont.

✓ B11851

9.47 9.30 9.77 9.62 = 9.70 07 08  
9.62 22 h 9.82

✓ B6281

9.47 9.20 9.67 9.72 = 9.70 03 02  
9.72 21 h 9.82

✓ B9005 Sp.

Too near edge of pl.

✓ B5263 Sp.

Poor in light

✓ B6850

9.47 9.20 9.67 9.62 = 9.64 03 02  
9.62 22 h 9.82

✓ AM1305

9.82 h 10 9.92 9.72 = 9.82 10 10  
9.72 23 h 10.02

✓ AM886

9.47 9.20 9.67 9.72 = 9.70 03 02  
9.72 21 h 9.82

✓ AM760

10.02 10.12 10.07 = 10.10 02 03  
10.07 22 h 10.27

Nov. 19 1903.

Gillis 12037 cont.

✓

AM 468

Pl trailed

✓

AM 526

9.47

h 2 $\alpha$   
h 3 $\alpha$ 

9.67

 $\alpha$ 

✓

AM 501

9.82

h 2 $\alpha$ 

10.02

9.72 = 9.87

15 15

9.72

h 3 $\alpha$ 

10.02

✓

AM 492

Pl trailed

✓

AM 417

9.82

h 1 $\alpha$ 

9.92

9.82 = 9.87

05 05

9.82

h 2 $\alpha$ 

10.02

✓

AM 490

9.82

h 2 $\alpha$ 

10.02

9.72 = 9.87

15 15

9.72

h 3 $\alpha$ 

10.02

✓

AM 1284

9.82

h 3 $\alpha$ 

10.12

9.62 = 9.87

25 25

9.62

h 4 $\alpha$ 

10.02

✓

AM 27

9.82

h 2 $\alpha$ 

10.02

9.62 = 9.82

20 20

9.62

h 4 $\alpha$ 

10.02



Nov. 19, 1903.

179

Gillis 12037 cont.

✓ AM 1453

9.47 9.35 9.77 9.72 = 9.74 03 02  
9.72 21 h 9.82

✓ AM 1469

9.47 9.10 9.57 9.52 = 9.54 03 02  
9.52 03 h 9.82

✓ AM 1527

9.82 11 a 9.92 9.72 = 9.82 10 10  
9.72 03 k 10.02

✓ AM 1249

9.82 13 a 10.12 9.62 = 9.87 25 25  
9.62 04 k 10.02

✓ AM 1240

Chase

✓ AM 775

9.82 12 a 10.02 9.72 = 9.87 15 15  
9.72 03 k 10.02

✓ AM 1235

9.47 9.30 9.77 9.62 = 9.70 07 08  
9.62 02 h 9.82

✓ AM 1809

Poor image

Nov. 19, 1903.

Gillis 12037 cont.

✓ AM 6  
Class F

✓ AM 1224

9.47	9.40	9.87	9.62 = 9.74	13	<u>12</u>
9.62	22 h	9.82			

✓ AM 45-4

9.82	h 30	10.12	9.62 = 9.87	25	<u>25</u>
9.62	24 h	10.02			

✓ AM 1435

9.47	9 30	9.77	9.52 = 9.64	13	<u>12</u>
9.52	6 30 h	9.82			

✓ AM 1835

9.47	9 30	9.77	9.52 = 9.64	13	<u>12</u>
9.52	6 30 h	9.82			

✓ AM 787

9.82	h 10	9.92	9.62 = 9.77	15	<u>15</u>
9.62	24 h	10.02			

✓ AM 216

9.82	h 10	9.92	9.62 = 9.77	15	<u>15</u>
9.62	24 h	10.02			

✓ AM 932  
Pl. trailed



Nov. 19, 1903.

181

Gillis 12,037 cont.

✓

AM 938

9.82 h 40 10.22 9.82 = 10.02 = 20 20

9.82 α 2 k 10.02

✓

AM 1286

9.82 h 20 10.02 9.72 = 9.87 15 15

9.72 α 3 k 10.02

✓

AM 452

Blank

✓

AM 1345

9.82 h 20 10.02 α

k 1

✓

AM 1471

9.82 h 20 10.02 9.62 = 9.82 20 20

9.62 α 4 k 10.02

✓

AM 1924

9.82 h 20 10.02 9.62 = 9.82 20 20

9.62 α 4 k 10.02

✓

AM 980

9.82 h 20 10.02 9.72 = 9.87 15 15

9.72 α 8 k 10.02

✓

AM 1072

9.82 h 30 10.12 9.62 = 9.87 25 25

9.62 α 4 k 10.02



Nov. 19, 1903.

Gillis 12037 cont.

✓

AM 1176

9.82

h 10 9.92 9.62 = 9.77 15 15

9.62

or 4 h 10.02

✓

AM 1214

9.47

g 20 9.67 9.62 = 9.64 03 02

9.62

or 2 h 9.82

✓

AM 1238

9.47

g 20 9.67 9.62 = 9.64 03 02

9.62

or 2 h 9.82

✓

AM 1061

9.82

h 20 10.02 9.62 = 9.82 20 20

9.62

or 4 h 10.02

✓

AM 1036

9.82

h 20 10.02 9.62 = 9.82 20 20

9.62

or 4 h 10.02

✓

AM 398

9.47

g 20 9.67 a

h 10

✓

AM 1584

9.47

g 30 9.77 9.72 = 9.74 03 02

9.72

or 1 h 9.82

✓

AM 1927

9.47

g 30 9.77 9.72 = 9.74 03 02

9.72

or 1 h 9.82

Nov. 19, 1903.

183

Gillis 12037 cont.

✓ AM 467  
Class C

✓ AM 364  
Class C

✓ AM 21  
9.82 h 2 r 10.02  $10.62 = 9.82$  20 20  
+ 0.62 or 4 h 10.02

✓ AM 7  
Pb trailed

✓ AM 22  
9.82 h 2 r 10.02  $9.92 = 9.97$  05 05  
9.92 or 1 h 10.02

✓ AM 145  
Pb trailed

✓ AM 156  
Porro pl

✓ AM 162  
9.82 h 2 r 10.02  $9.72 = 9.87$  15 15  
9.72 or 3 h 10.02

✓ AM 173  
9.82 h 1 r 9.92 R  
Pb

Nov. 19, 1903.

Gillis 12037 cont.

✓ AM 460  
 9.82 h 3 α 10.12 9.72 = 9.92 20 20  
 9.72 α 3 β 10.02

✓ AM 468  
 Poor images

✓ AM 45-1  
 blank

✓ AM 431  
 9.82 h 2 α 10.02 9.62 = 9.82 20 20  
 9.62 α 4 β 10.02

✓ AM 937  
 9.82 h 3 α 10.12 9.72 = 9.92 20 20  
 9.72 α 3 β 10.02

✓ AM 1050  
 9.47 g 3 α 9.77 R  
 h 1 β

✓ AM 848  
 9.47 g 3 α 9.77 9.62 = 9.70 07 08  
 9.62 α 2 β 9.82

✓ AM 815  
 9.82 h 1 α 9.92 9.62 = 9.77 15 15  
 9.62 α 4 β 10.02



Nov. 19, 1903

185

Gillis 12037 cont.

✓ AM 809

9.47  $g 3 \sigma$  9.77 9.72 = 9.74 03 02  
9.72  $h 1 h$  9.82

✓ AM 954

Poor images

✓ AM 839

9.82  $h 3 \sigma$  10.12 9.82 = 9.97 15 15  
9.82  $\sigma 2 h$  10.02

✓ AM 745

9.82  $h 3 \sigma$  10.12 9.72 = 9.92 20 20  
9.72  $\sigma 3 h$  10.02

✓ AM 525

9.47  $g 3 \sigma$  9.77 Q  
 $h 1 h$

✓ AM 485

Class C

✓ AM 471

Class C

✓ AM 379

Poor images

✓ AM 533

9.47  $g 2 \sigma$  9.67 9.72 = 9.70 03 02  
9.72  $h 1 h$  9.82

Nov. 19, 1903.

Gillis 12037 cont

✓ AM 929  
P. trailed✓ AM 1936  
9.82 h 30 10.12 9.72 = 9.92 20 20  
9.72 23 h 10.02✓ AM 1434  
9.47 g 10 9.57 9.42 = 9.50 07 08  
9.42 64 h 9.82✓ AM 1445  
9.47 g 30 9.77 9.62 = 9.70 07 08  
9.62 22 h 9.82✓ AM 1447  
9.47 g 30 9.77 9.62 = 9.70 07 08  
9.62 22 h 9.82✓ AM 1460  
9.47 g 30 9.77 9.62 = 9.70 07 08  
9.62 22 h 9.82✓ AM 915  
P. trailed✓ AM 998  
9.82 h 10 9.92 R  
h 10

Nov. 19, 1903.

187

Willis 12037 cont.

✓ AM 853  
class C

✓ AM 961  
Pl. trailed

✓ AM 887  
h 10 9.92 9.62 = 9.77 15 15  
9.82  
9.62 r 4 k 10.02

✓ AM 880  
h 20 10.02 9.62 = 9.82 20 20  
9.82  
9.62 r 4 k 10.02

✓ AM 85-2  
class C

✓ AM 45  
Pl. trailed

✓ AM 92  
h 30 10.12 9.62 = 9.87 25 25  
9.82  
9.62 r 4 k 10.02

✓ AM 44  
h 30 10.12 9.62 = 9.87 25 25  
9.82  
9.62 r 4 k 10.02



Nov. 19, 1903.

Wills 12037 cont.

✓

AM 79

9.82

h 30 10.12 9.62 = 9.87 25 25

9.62

o 4 k 10.02

✓

AM 108

9.82

h 20 10.02 9.62 = 9.82 20 20

9.62

o 4 k 10.02

✓

AM 421

9.47

g 30 9.77 9.72 = 9.74 03 02

9.72

o 1 k 9.82

✓

AM 498

9.82

h 40 10.22 9.72 = 9.97 25 25

9.72

o 3 k 10.02

✓

AM 565

9.32

f 20 9.52 9.27 = 9.40 12 13

9.27

o 2 g 9.47

✓

AM 591

9.47

g 10 9.57 9.62 = 9.60 03 02

9.62

o 2 k 9.82

✓

AM 737

9.82

h 20 10.02 9.62 = 9.82 20 20

9.62

o 4 k 10.02

Nov. 19, 1903.

189

Gillis 12037 cont.

✓

AM 826

9.82 h2r 10.02 9.62 = 9.82 20 20  
9.62 r4k 10.02

✓

AM 585

8.90 e3r 9.20 9.22 = 9.21 01 01  
9.22 r1f 9.82

✓

AM 631

9.82 h2r 10.02 9.62 = 9.82 20 20  
9.62 r4k 10.02

✓

AM 644

9.47 g3r 9.77 9.62 = 9.70 07 08  
9.62 r2h 9.82

✓

AM 1517

Poor in reg. of var.

✓

AM 1413

Defective in reg. of var.

✓

AM 1326

9.82 h2r 10.02 9.62 = 9.82 20 20  
9.62 r4k 10.02

✓

AM 1398

9.82 h2r 10.02 9.62 = 9.82 20 20  
9.62 r4k 10.02

Nov. 19, 1903.

Yillis 12037 cont.

✓ AM 1407  
class

✓ AM 1495

9.82	h 20	10.02	9.62 = 9.82	20	<u>20</u>
9.62	o 4 h	10.02			

✓ AM 1654

9.82	h 20	10.02	9.72 = 9.87	15	<u>15</u>
9.72	o 3 h	10.02			

✓ AM 1260

9.82	h 20	10.02	9.62 = 9.82	20	<u>20</u>
9.62	o 4 h	10.02			

✓ AM 1409  
class

✓ AM 1535

9.82	h 20	10.02	9.62 = 9.82	20	<u>20</u>
9.62	o 4 h	10.02			

✓ AM 1423

9.47	g 30	9.77	9.72 = 9.74	03	<u>02</u>
9.72	o 1 h	9.82			

✓ AM 1239  
class



Nov. 19, 1903.

191

Gillis 12037 cont.

✓ AM1352

9.82 h 20 10.02 9.62 = 9.82 20 20  
 9.62 o 4 h 10.02

✓ AM1334

9.82 h 30 10.12 9.62 = 9.87 25 25  
 9.62 o 4 h 10.02

✓ AM1363

9.82 h 20 10.02 9.62 = 9.82 20 20  
 9.62 o 4 h 10.02

✓ AM1389

9.82 h 10 9.92 9.72 = 9.82 10 10  
 9.72 o 3 h 10.02

✓ AM1828

9.82 h 20 10.02 9.62 = 9.82 20 20  
 9.62 o 4 h 10.02

✓ A 2551

9.47 g 30 9.77 9.72 = 9.74 03 02  
 9.72 o 1 h 9.82

✓ A 4539

9.47 g 20 9.67 9.72 = 9.70 03 02  
 9.72 o 1 h 9.82

A 5216

9.47 g 20 9.67 9.62 = 9.64 03 02  
 9.62 o 2 h 9.82

Nov. 19, 1903.

Gillis 12037 cont.

✓

A 2608

9.47 9.20 9.67 9.62 = 9.64 03 02  
 9.62 9.2h 9.82

✓

A 1959

9.47 9.20 9.67 9.52 = 9.60 07 08  
 9.52 9.3h 9.82

✓

A 4588 fl.

9.32 9.10 9.42 9.27 = 9.34 08 07  
 9.27 9.2g 9.47

✓

B 31677

9.47 9.30 9.77 9.62 = 9.70 07 08  
 9.62 9.2h 9.82

✓

B 31679

9.47 9.30 9.77 9.62 = 9.70 07 08  
 9.62 9.2h 9.82

Dec. 2, 1903.

193

R R Scarpie

<sup>h</sup> 16 <sup>m</sup> 50.3 - 30° 26'

Computation on B 5989.

✓ I 18315

6.98 a 30 7.28 7.46 = 7.37 09 09  
7.46 r 21 7.66

✓ I 18343

6.98 a 20 7.18 7.46 = 7.32 14 14  
7.46 r 21 7.66

✓ B 19841

6.98 a 20 7.18 7.56 = 7.37 19 19  
7 6.56 r 17 7.66

✓ B 20284

8.73 d 20 8.93 9.18 = 9.06 13 12  
9.18 r 21 9.38

✓ B 20446

8.73 d 20 8.93 9.18 = 9.06 13 12  
9.18 r 21 9.38

✓ B 20475

9.38 e 20 9.58 9.78 = 9.68 10 10  
9.78 r 17 9.88

✓ I 20390

8.73 d 20 8.93 9.18 = 9.06 13 12  
9.18 r 21 9.38



Dec. 2, 1903.

## R.R. Scorpii cont.

✓

B19439

8.21

R10 8.31 8.43 = 8.38 07 06 06

8.43

R30 8.73

✓

B19442

8.21

R20 8.41 8.53 = 8.47 06 06

8.53

R20 8.73

✓

B19481

8.21

R20 8.41 8.63 = 8.52 11 11

8.63

R10 8.73

✓

B19506

8.21

R30 8.51 8.53 = 8.52 01 01

8.53

R20 8.73

✓

B19684

7.66

R20 7.86 7.91 = 7.88 02 03

7.91

R30 8.21

✓

B19718

7.66

R10 7.76 8.01 = 7.88 12 13

8.01

R20 8.21

✓

B19925

7.66

R20 7.86 8.01 = 7.94 08 07

8.01

R20 8.21

Dec. 2, 1903.

195

## R R Scapic cont.

✓

B18713

11.03 220 11.23 11.15 = 11.19 04 04

11.15 22L 11.35

✓

B18722

10.65 230 10.95 10.83 = 10.89 06 06

10.83 22L 11.03

✓

B18771

10.30 930 10.60 10.45 = 10.52 08 07

10.45 22L 10.65

✓

I 17852  
Pomph

✓

B18919

10.30 910 10.40 10.35 = 10.38 02 03

10.35 23L 10.65

✓

B19062

8.21 220 8.41 8.63 = 8.52 11 11 d 2.12 9.10 17.18

8.63 21L 8.73

✓

B19080

Tormar edge flk

✓

L18123

8.73 220 8.93 9.18 = 9.06 13 12

9.18 22L 9.38



196

Dec. 2, 1903.

R.R. Sporfie cont.

✓ B 19162

8.73

d 20 8.93 9.08 = 9.00 07 08

9.08

03 2 9.38

✓ B 19195

8.73

d 20 8.93 9.08 = 9.00 07 08

9.08

03 2 9.38

✓ B 19198

8.73

d 20 8.93 9.08 = 9.00 07 08

9.08

03 2 9.38

✓ Pencil L 17432

11.35

L 174

11.45

✓ B 18392

11.35

d 20 11.55 11.45 = 11.50 05 05

11.45

03 m 11.75

✓ L 17508

11.75

m 10 11.85 11.87 = 11.86 01 01

11.87

03 m 12.17

✓ L 17643

Held

✓ B 17365

Broken too badly to be mended Not sent from store



Dec. 2, 1903.

197

RR Scorpii cont.

✓

B17433

7.66

h 20 7.86 7.91 = 7.88 02 03

7.91

α 3 N 8.21

✓

B17503

6.98

α 20 7.18 7.56 = 7.37 19 19

7.56

α 1 h 7.66

✓

B17505

7.66

h 20 7.86 8.01 = 7.98 <sup>4</sup> 12 08 07

8.01

α 20 8.21

✓

B17723

7.66

h 20 7.86 8.11 = 7.98 12 13

8.11

α 1 c 8.21

✓

B18489

11.35

h 30 11.65 11.55 = 11.60 05 05

11.55

α 2 m 11.75

✓

B16442

11.35

h 30 11.65 11.55 = 11.60 05 05

11.55

α 2 m 11.75

✓

B16539

10.65

h 30 10.95 10. <sup>8</sup> ~~7~~ 3 = 10.84 <sup>9</sup> ~~X~~ <sup>06</sup> <sup>06</sup> X X10. <sup>8</sup> ~~X~~ 3

α 2 h 11.03

Dec. 2, 1903.

## RR Scorpii cont.

✓

B 16615

10.65 h1a 10.75 10.73 = 10.74 01 01

10.73 r3h 11.03

✓

B 16638

10.65 h2g 10.85 10.83 = 10.84 01 01

10.83 r2h 11.03

✓

B 16780

10.30 g3a 10.60 10.45 = 10.52 08 07

10.45 r2h 10.65

✓

L 15474

9.88 f3a 10.18 10.10 = 10.14 04 04

10.10 r2g 10.30

✓

B 17036 Sp.

8.73 d2a 8.93 9.18 = 9.06 13 12

9.18 r2e 9.38

✓

B 13989

10.65 h4a 11.05 10.83 = 10.94 11 11

10.83 r2h 11.03

✓

L 13040

10.30 g3a 10.60 10.45 = 10.52 08 07

10.45 r2h 10.65

✓

B 14342

11.35 l3a 11.65 11.65 = 11.65 00 00



Dec. 2, 1903.

199

R.R. Spafford cont.

✓

Q 13472

Purple

✓

Q 14521

8.73

dec 8.93 9.28 = 9.10 17 18

9.28

212 9.38

✓

B 15373

9.38

212 9.48 9.68 = 9.58 10 10

9.68

227 9.88

✓

B 15428

10.30

922 10.30 10.35 = 10.42 08 07

10.35

232 10.65

✓

B 15431

10.30

912 10.40 10.45 = 10.42 02 03

10.45

222 10.65

✓

Q 14742

11.03

212 11.13 11.15 = 11.14 01 01

11.15

222 11.35

✓

B 12917

7.66

232 7.96 8.11 = 8.04 08 07

8.11

212 8.21

✓

B 13161 Sp

7.66

232 7.96 8.01 = 7.98 02 03

8.01

222 8.21



Dec. 2, 1903.

RR Spectra cont.

✓ B13162 Sp.

8.21 23 r 8.51 8.43 = 8.47 04 04

8.43 23 d 8.73

✓ L12781

8.21 23 r 8.51 8.43 = 8.47 04 04

8.43 23 d 8.73

✓ B13311

8.73 d 2 r 8.93 9.08 = 9.00 07 08

9.08 23 e 9.38

✓ B13312

8.73 d 2 r 8.93 9.08 = 9.00 07 08

9.08 23 e 9.38

✓ B13490

8.73 d 3 r 9.03 9.18 = 9.10 07 08

9.18 22 e 9.38

✓ B13532

9.88 f 2 r 10.08 10.00 = 10.04 04 04

10.00 r 3 g 10.30

✓ B13749

9.88 f 3 r 10.18 10.10 = 10.14 04 04

10.10 r 2 g 10.30

Dec. 2, 1903.

201

R.R. Inopii cont.

✓

B13867

10.65

10.83

hca 10.95 10.83 = 10.89 06 06  
σ 2 h 11.03

✓

Q12463

6.98

7.46

a 3 σ 7.28 7.46 = 7.37 09 09  
σ 2 t 7.66

✓

Q12611

6.98

7.46

a 2 σ 7.18 7.46 = 7.32 14 14  
σ 2 t 7.66

✓

Q12429

8.21

8.53

σ 2 σ 8.41 8.53 = 8.47 06 06  
σ 2 d 8.73

✓

B12826

7.66

8.01

t 3 σ 7.96 8.01 = 7.98 02 03  
σ 2 σ 8.21

✓

B17076

8.73

9.18

d 2 σ 8.93 9.18 = 9.06 13 12  
σ 2 σ 9.38

✓

B17233

7.66

8.11

t 2 σ 7.86 8.11 = 7.98 12 13  
σ 1 c 8.21

✓

B16393

11.35

11.55

l 3 σ 11.65 11.55 = 11.60 05 05  
σ 2 m 11.75



Dec. 2, 1903.

212 Inospiu cont.

✓ Q15307

11.35 l 30 11.65 11.55 = 11.60 05 05

11.55 0 2 m 11.75

✓ B16030

11.35 l 20 11.55 11.55 = 11.55 00 00

11.55 0 2 m 11.75

✓ B16095

11.35 l 30 11.65 11.45 = 11.55 10 10

11.45 0 3 m 11.75

✓ B16282

Too near edge of H.

✓ B15703

11.35 l 30 11.65 11.45 = 11.55 10 10

11.45 0 3 m 11.75

✓ B15869

11.35 l 30 11.65 11.55 = 11.60 05 05

11.55 0 2 m 11.75

✓ B15943

11.35 l 30 11.65 11.55 = 11.60 05 05

11.55 0 2 m 11.75

✓ B15945

11.35 l 30 11.65 11.55 = 11.60 05 05

11.55 0 2 m 11.75



Dec. 2, 1903.

203

## R.R. Scorpio cont.

✓ B15988  
 11.35<sup>-</sup> h 2 r 11.55<sup>-</sup> 11.55 = 11.55 00 00  
 11.55<sup>-</sup> o 2 m 11.75<sup>-</sup>

✓ B15525<sup>-</sup>  
 10.65<sup>-</sup> h 1 r 10.75<sup>-</sup> 10.63 = 10.69 06 06  
 10.63 o 4 h 11.03

✓ B15528  
 10.65<sup>-</sup> h 2 r 10.85<sup>-</sup> 10.73 = 10.79 06 06  
 10.73 o 3 h 11.03

✓ I14978  
 11.03 h 1 r 11.13<sup>-</sup> 11.15 = 11.14 01 01  
 11.15<sup>-</sup> o 2 l 11.35<sup>-</sup>

✓ B11900  
 8.73 d 2 r 8.93 9.18 = 9.06 13 12  
 9.18 o 2 l 9.38

✓ B16981  
 10.30 g 3 o 10.60 10.45 = 10.52 08 07  
 10.45<sup>-</sup> o 2 h 10.65<sup>-</sup>

✓ B15656  
 11.35<sup>-</sup> h 2 r 11.55<sup>-</sup> 11.65 = 11.60 05 05<sup>-</sup>  
 11.65<sup>-</sup> o 1 m 11.75<sup>-</sup>

✓ B25486  
 10.30 g 2 r 10.50 10.45 = 10.48 02 03  
 10.45<sup>-</sup> o 2 h 10.65<sup>-</sup>

Dec. 2, 1903.

## RR Scorpii cont.

✓ B25788

7.66

8.11

L20 7.86 8.11 = 7.98 12 13

or 12 8.21

✓ B24008<sup>6</sup>

9.38

9.68

L20

or 27

9.58 9.68 - 9.63 05 05

9.88

✓ B25079

11.35

11.65

L20

or 1m

11.55 - 11.65 = 11.60 05 05

11.75

✓ B25115

11.35

11.65

L20

or 1m

11.55 - 11.65 = 11.60 05 05

11.75

✓ B23361

11.75

11.87

m20

or 3m

11.95 11.87 = 11.91 04 04

12.17

✓ B23658

11.35

11.55

L30

or 2m

11.65 11.55 = 11.60 05 05

11.75

✓ B23690

11.03

11.25

L20

or 1C

11.23 11.25 = 11.24 01 01

11.35

✓ B23948

9.38

9.68

L30

or 27

9.68 9.68 = 9.68 00 00

9.88



Dec. 2, 1903.

205

R.R. Inopit cont.

✓ B23052

11.75 m 2r 11.95 11.87 = 11.91 04 04

11.87 r 3 m 12.17

✓ B2316<sup>8</sup>

Too near edge of plate

✓ B23210

11.35 l 3r 11.65 11.65 = 11.65 00 00

11.65 o 1 m 11.75

✓ B2<sup>2</sup>3926

11.35 l 2r 11.55 11.55 = 11.55 00 00

11.55 o 2 m 11.75

✓ B22659

10.30 g 3r 10.60 10.45 = 10.52 08 07

10.45 o 2 h 10.65

✓ B22532

9.38 l 3r 9.68 9.68 = 9.68 00 00

9.68 o 2 f 9.88

✓ B22506

9.88 f 2r 10.08 10.00 = 10.04 04 04

10.00 o 3 g 10.30

✓ New edge B21983

11.35 l 2r 11.55

A

m f



Dec. 2, 1903.

## RR Scorpii cont.

✓ B21926

11.35  $\alpha 30$  11.65 11.55 = 11.60 05 0511.55  $\alpha 2m$  11.75

✓ B21916

11.35  $\alpha 30$  11.65 11.45 = 11.55 10 1011.45  $\alpha 3m$  11.75✓ B215<sup>02</sup><sub>72</sub>8.21  $\alpha 20$  8.41 8.43 = 8.42 01 018.43  $\alpha 3d$  8.73

✓ B21196

8.21  $\alpha 30$  8.51 8.53 = 8.52 01 018.53  $\alpha 2d$  8.73

✓ B21103

6.98  $\alpha 20$  7.18 7.56 = 7.37 19 197.56  $\alpha 1t$  7.66

✓ B21058

7.66  $\alpha 30$  7.96 8.01 = 7.98 02 038.01  $\alpha 20$  8.21

✓ B20420

8.73  $\alpha 20$  8.93 9.18 = 9.06 13 129.18  $\alpha 20$  9.38

✓ B19833 sp.

6.98  $\alpha 20$  7.18 7.46 = 7.32 14 147.46  $\alpha 20$  7.66

Dec. 2, 1903.

207

## R.R. Scorpii cont.

✓ B17174

8.73

9.08

d 20 8.93 9.08-9.00 07 08

r 3 l 9.38

✓ B12844

7.66

8.01

f 30 7.96 8.01-7.98 02 03

r 20 8.21

✓ B13074 Sp.

7.66

8.01

f 20 7.86 8.01-7.94 08 07

r 20 8.21

✓ B13358

7.66

8.11

f 20 7.86 8.11-7.98 12 13

r 10 8.21

c 2.12 8.52 11, 11

✓ B13741

9.38

9.78

d 20 9.58 9.78-9.68 10 10

r 1 f 9.88

f 129 1004 06, 06

✓ B13987

10.65

10.83

h 30 10.95 10.83-10.89 06 06

r 2 l 11.03

✓ B14290

11.35

11.55

l 30 11.65 11.55-11.60 05 05

r 2 m 11.75

✓ B17053 Sp.

8.73

9.08

d 20 8.93 9.08-9.00 07 08

r 3 l 9.38



Dec. 2, 1903.

R.R. Scorpio cont.

✓ B31465  
Too near edge of pl

✓ B31430  
11.03 h 30 11.33 11.15 = 11.24 09 09  
11.15 o 2 h 11.35

✓ B31395  
10.65 h 30 10.95 10.83 = 10.89 06 06  
10.83 o 2 h 11.03

✓ B30578  
9.88 f 30 10.18 10.10 = 10.14 04 04  
10.10 o 2 g 10.30

✓ B30533  
10.30 g 30 10.60 10.45 = 10.52 08 07  
10.45 o 2 h 10.65

✓ B30358  
Too near edge of pl

✓ B30104  
10.30 g 20 10.50 10.45 = 10.48 02 03  
10.45 o 2 h 10.65

✓ B30035  
10.30 g 30 10.60 10.45 = 10.52 08 07  
10.45 o 2 h 10.65



Dec. 2, 1903.

209

RR Lycopii cont.

✓ B29814

10.30

10.45

g20 10.60 10.45 = 10.52 08 07  
22h 10.65

✓ B29472

9.88

10.10

f20 10.08 10.10 = 10.09 01 01 d2.3e 9.00 07.08  
22g 10.30

✓ B28159

9.38

9.58

e20 9.58 9.58 = 9.58 00 00  
23f 9.88

✓ B28170

8.73

9.28

d20 8.93 9.28 = 9.10 17 18  
21e 9.38

✓ B28203

Surface

✓ B28213

Surface

✓ B28253

Toward edge of pl.

✓ B28356

9.88

10.10

f10 9.98 10.10 = 10.04 06 06  
22g 10.30

Dec. 2, 1903.

## RR Lospine cont.

✓ B29261

7.66 7.96 8.01 = 7.98 02 03  
 8.01 8.21

✓ B27851

8.21 8.41 8.63 = <sup>8</sup> 8.52 11 11  
 8.63 8.73

✓ B27432

7.66 7.86 8.11 = 7.98 12 13  
 8.11 8.21

✓ B27480

7.66 7.86 8.11 = 7.98 12 13  
 8.11 8.21

✓ B27560

7.66 7.86 8.01 = 7.94 08 07  
 8.01 8.21

✓ B27626

7.66 7.86 8.11 = 7.98 12 13  
 8.11 8.21

✓ B27725

8.21 8.41 8.63 = 8.52 11 11  
 8.63 8.73

✓ B27149

8.21 8.41 8.53 = 8.47 06 06  
 8.53 8.73



Dec. 2, 1903.

211

## RR Scorpiae cont.

✓

B27174

8.21  $\alpha 2 \alpha$  8.41 8.63 = 8.52 11 118.63  $\alpha 1 d$  8.73

✓

B26009

8.21  $\alpha 3 \alpha$  8.51 8.53 = 8.52 01 018.53  $\alpha 2 d$  8.73

✓

B26430

8.21  $\alpha 3 \alpha$  8.51 8.63 = 8.57 06 068.63  $\alpha 1 d$  8.73

✓

B26431<sup>55</sup>7.66  $\alpha 3 \alpha$  7.96 8.01 = 7.98 03 038.01  $\alpha 2 \alpha$  8.21c 2.1d 8.52 11, 11

✓

B26481

9.38  $\alpha 2 \alpha$  9.58 9.68 = 9.63 05 059.68  $\alpha 2 f$  9.88

✓

B26489

9.38  $\alpha 1 \alpha$  9.48 9.68 = 9.58 10 109.68  $\alpha 2 f$  9.88

✓

B25261

11.35  $\alpha 3 \alpha$  11.65 11.55 = 11.60 05 0511.55  $\alpha 2 m$  11.75

✓

B25834

10.65  $\alpha 2 \alpha$  10.85 10.83 = 10.84 01 0110.83  $\alpha 1 f$  11.03



Dec. <sup>3</sup> 1903.

R. R. Scarpia cont.

✓

B25464

10.30 g2r 10.50 10.45 = 10.48 02 03  
 10.45 b2h 10.65

✓

B9562<sup>h</sup>

Too near edge of plate

✓

B<sup>17236</sup>5163<sup>h</sup>

8.21 c2r 8.41 8.53 = 8.47 06 06  
 8.53 c2d 8.73

✓

B19415

8.21 c2r 8.41 8.63 = 8.52 11 11  
 8.63 c1d 8.73

✓

B3449<sup>h</sup>

Poor in up. of frame

✓?

B<sup>20153</sup>2910<sup>h</sup>

Poor in up. of frame

✓

B5649

8.21 c2r 8.41 8.53 = 8.47 06 06  
 8.53 c2d 8.73

✓

B5658

8.21 c2r 8.41 8.43 = 8.42 01 01  
 8.43 c3d 8.73

Dec. 9, 1903.

213

RR Scorpii cont.

✓ B16071  
 11.35  $\ell 2r$  11.55 11.65 = 11.60 05 05  
 11.65  $r 1 m$  11.75

✓ B16409  
 11.35  $\ell 2r$  11.55 11.55 = 11.55 00 00  
 11.55  $r 2 m$  11.75

✓ B4833  
 11.35  $\ell 2r$  11.55  $a$   
 $m f$

✓ B5153  
 Purple

✓ B5134  
 Purple

✓ B5397  
 9.88  $\ell 2r$  10.08 10.10 = 10.09 01 01  
 10.10  $r 2g$  10.30

✓ B5418  
 8.73  $d 2r$  8.93 9.18 = 9.06 13 12  
 9.18  $r 2 l$  9.38

✓ B5476  
 8.73  $d 1r$  8.83 9.18 = 9.00 17 18  
 9.18  $r 2 l$  9.38



Dec. 3, 1903.

## RR Scorpii cont

✓ B3897

11.03  $\sigma 2\sigma$  11.33 11.15 = 11.19 04 04  
 11.15  $\sigma 2h$  11.35

✓ B11698

8.21  $\sigma 2\sigma$  8.41 8.53 = 8.47 06 06  
 8.53  $\sigma 2d$  8.73

✓ B3803

11.03  $\sigma 1\sigma$  11.13 11.15 = 11.14 01 01  
 11.15  $\sigma 2h$  11.35

✓ B5988

7.66  $\sigma 2\sigma$  7.86 8.11 = 7.98 12 13  
 8.11  $\sigma 1\sigma$  8.21

✓ B7673

9.88  $\sigma 1\sigma$  9.98 10.10 = 10.04 06 06  
 10.10  $\sigma 2g$  10.30

✓ B16879

10.30  $\sigma 1\sigma$  10.40 10.45 = 10.42 02 03  
 10.45  $\sigma 2h$  10.65

✓ B18882

10.30  $\sigma 2\sigma$  10.50 10.45 = 10.48 02 03  
 10.45  $\sigma 2h$  10.65

✓ B19416

8.21  $\sigma 2\sigma$  8.41 8.43 = 8.42 01 01  
 8.43  $\sigma 3d$  8.73



Dec. 3, 1903.

215

R.R. Loeferle cont.

✓ B595-4  
Poor pl

✓ B9848

8.21 C 20 8.41 8.43 = 8.42 <sup>7</sup> <sub>0X</sub> <sup>6</sup> <sub>0X</sub>  
8.43 C 20 8.73

✓ B2325-2 Sp.  
Poor images

✓ B7601  
Poor pl

✓ B7602  
Poor pl

✓ L20789

7.66 F 20 7.86 8.01 = 7.94 <sub>08</sub> <sub>07</sub>  
8.01 C 20 8.21

✓ L25850

9.18 d A 9.18 <sub>A</sub>  
C 20 9.38

✓ L29041

10.30 G 20 10.50 10.45 = 10.48 <sub>02</sub> <sub>03</sub>  
10.45 C 20 10.65

✓ B14152 Sp.

10.65 H 15 10.75 - 10.93 = 10.84 <sub>09</sub> <sub>09</sub>  
10.93 C 20 11.03

Dec. 3, 1903

## RR Scorpii cont.

✓ B13405 Sh.

Too near edge of pl.

✓ L 13042

Poor in region of var.

✓ L 20242

9.38  $L 20$  9.58 9.68 = 9.64 <sup>3</sup> 04 05 05  
 9.68  $\sigma 2$  9.88

✓ L 20735

7.66  $L 20$  7.86 8.01 = 7.94 08 07  
 8.01  $\sigma 2N$  8.21

✓ B18438

11.35  $L 20$  11.55 11.45 = 11.50 05 05  
 11.45  $\sigma 3m$  11.75

✓ B17713

7.66  $L 20$  7.86 8.01 = 7.94 08 07  
 8.01  $\sigma 2N$  8.21

✓ B14739

11.03  $L 20$  11.23 11.03 = 11.14 09 09  
 11.05  $\sigma 3L$  11.35

✓ B15588

11.03  $L 20$  11.23



Dec. 3, 1903.

217

R R Scorpii cont.

✓ B15632  
 11.03 h20 11.23 11.05 = 11.14 09 09  
 11.05 α3l 11.35

✓ B15687  
 11.35 h10 11.45-11.55 = 11.50 05 05  
 11.55 α2m 11.75

✓ B16498  
 11.65 h30 10.95-10.83 = 10.89 06 06  
 10.83 α2k 11.03

✓ B17087  
 8.73 h10 8.83 9.18 = 9.00 17 18  
 9.18 α2l 9.38

✓ B3715<sup>5952</sup>  
 Terminal power.

✓ B11035  
 9.68 h10 9.68 α  
 α2f 9.88

✓ B15589  
 10.65 h20 10.85-10.93 = 10.89 04 04  
 10.93 α1k 10.65 11.03

✓ 19870  
 B18844  
 8.21 v20 8.41 8.43 = 8.42 01 01  
 8.43 α3d 8.73



Dec. 3, 1903.

## R R Scorpii cont.

✓

B15607

11.03

d2r

11.13 11.15 = 11.14 01 01

11.15

r2h

11.35

✓

B20281

8.73

d2r

8.93 9.28 = 9.10 17 18

9.28

r1e

9.38

✓

B9596 Sp.

Poor in neg. of var.

✓

~~B13766 Sp.~~  
~~B9597 Sp.~~

10.30

g1r

10.40 10.45 = 14.42 02 03

10.45

b2h

10.65

✓

B10140 Sp.

6.98

d2r

7.18 7.36 7.27 09 09

7.36

r3h

7.66

✓

~~B17050 Sp.~~  
~~B20212 Sp.~~

8.73

d2r

8.93 9.08 = 9.00 07 08

9.08

r3e

9.38

✓

B13053 Sp.

7.66

d2r

7.86 8.01 = 7.94 08 07

8.01

r2c

8.21

✓

B20210 Sp.

8.73

d2r

8.93 9.28 = 9.10 17 18

9.28

r1e

9.38

Dec. 3, 1903.

219

R.R. Scorpio cont.

✓

B 13843 Sh.

10.30

920 10.50 10.55 = 10.52 02 03

10.55

610 10.65

✓

B 8024 Sh.

Poorly

✓

B 8398 Sh.

Poor in reg. form.

✓

B 10825 Sh.

B 4078 Sh.

Poor in reg. form

✓

B 5487

8.21

020 8.41 8.53 = 8.47 06 06

8.53

020 8.73

✓

B 11999

8.73

020 8.93 9.18 = 9.06 13 12

9.18

020 9.38

✓

B 8294 Sh.

Poor in reg. form.

✓

B 20211 Sh.

8.21

020 8.41 8.53 = 8.47 06 06

8.53

020 8.73



Dec. 5, 1903.

## P.R. Ispahii cont.

✓

AM 656

7.66 7.76 8.01 = 7.88 12 13  
 8.01 8.21

✓

AM 1534

9.88 9.98 10.10 = 10.04 06 06  
 10.10 10.30

✓

AM 474

blanc

✓

AM 453

11.03 11.23 11.15 = 11.19 04 04  
 11.15 11.35

✓

AM 1038

10.30 10.40 10.45 = 10.42 03 03  
 10.45 10.65

✓

AM 798

7.66 7.86 8.11 = 7.98 12 13  
 8.11 8.21

✓

AM 761

Pore plate

✓

AM 394

11.03 11.23

















1903phae.proj..718B