KG
11365
648

1921phae.proj..649c

1924

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15G. 11365. 648

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KG 11365.6.48

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1921phae.proj..649C

Continued from previous book -1

Sept 23 - 1921 -

224937 X

A-

13 4:20

~~12~~

274.8
3524 776
1022 676
1698 1452 -067

2788 -0.60
348.8 700
974 830
1804 1530 -052

(73) Mean = -052

~~3578~~ 2.2
878 856
1914 730
2644 ~~1886~~
1586 -041

8.8
852 754 +045
1904 788
13:9:10 2692 1542 0.49

13 30
13 06 45
13 07 10
2956.547
1741
a 206

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1921phae.proj..6490

Sept 23 1921

224937

(13)

XI

13.13:10

	7.8		
	860	78.2	
	1928	720	
	2648	1502	057
	8.3		
	864	781	-0.54
	1906	758	
	2664	1539	-0.50
	(-a)		Mean = -065
	1068		
	1727	659	
	2772	740	
	3512	1399	078
	1029		-076
	1742	713	
	2801	717	
13 17.40	3518	1420	-073

13 15 25

22956.552

.3v1

0.211

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1921phae.proj...6490

Sept. 23. 1921

224937 - XII

(a)

132035	1055		
	1715	660	
	2798	734	
	3532	1394	−079
	1003		
	1738	735	− 072
	2798	722	
	3520	1457	− 066

(78)

	1912		Mean = 062
	2642	730	
	718	800	
	878	1530	− 052
	1891		052
	2640	749	
	80	780	
132510	860	1529	−052

545

132252

132318

2295 6.538

6341

0217

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1921phae.proj..649C

Sept 23 - 1921 -

224 937

XIII

-73-

13 26.50

193.2	6	
2618	~~X~~86	
6.4	~~##~~	
	816	
870	160.2	~~638~~-057
	5	
1918		-0.60
2620	702	
100	764	
864	1466	-064

(a) mean = -0.66

2818		
3558	740	
997	695	
1692	1435	-070

282.2		-071
3522	700	
101.4	726	
1730	1426	-072

13 32 00

13 29 25

13 29 56.562

.3461

0.221

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1921phae.proj...649C

Sept 23-1921—

224937

XIV

(a)

B 36:50 281.2

3472	660		
933	819		
1752	147.9	-062	
2747			
3512	76.5	-066	
1048	672		
1730	1437	-0.70	

(B)

Mean = -0,64

6.0			
808	748		
1872	766		
2638	1514	-055	
98			
830	732	0,62	
189.2	708		
13 41:00 2600	1440	-069	

17 50

13 38 57

13 39 20

22956.569

.741

0.220

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1921phae.proj..649C

Sept 23. 1921

224937 XV

-73-

13 45:00

13.0		
800	870	
1863	795	-0.64
2658	~~1463~~	~~-045~~
98		-0.70
849	751	
1942	658	
2600	1409	-076
(A+)		Mean -0.79
1032		
1728	696	
2808	660	
3468	1356	-086
1062		-0.88
1716	654	
2808	690	
13 50.5 3498	1344	-089

95:5

13 47 32
57
13 48 ~~07~~

22956.575

.341

.234

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1921phae.proj...649C

Sept 23-1921

224937 XVI

(a)

13:52:50 1108

1708 600

2819 694

3513 1294 -099

1052 -1.04

1692 640

2867 603

3470 1243 1.10

(B) mean = -0.93

1922

2628 706

1318 680

818 1386 -080

1959 .0.82

2576 617

878 745

13 57 15 833 1362 -085

05

13 55 02

13 55 27

22956.570

1345

0239

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1921phae.proj..649C

Sept 23 - 1921

224937 XVIII
.73-

-14: 1:00 1896
2658 762
1112 657
769 1419 -074

1980
2590 610 -0.79
94 758
852 1368 -084

(a)
2772 Mean -0.76
3524 752
1022 708
1730 1460 -0.65

2838
3480 642 -074
1010 732 083
14 5 30 1742 1374 ~~+03~~

14 03 15
14 03 ~~49~~
29 56. ~~46~~
.341
.245

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1921phae.proj...649C

Sept 23 1921

224937 ~~XXX~~ XVIII

a

14:1430 2810

3472 662

994 756

1750 1418

-0,74

2800

3513 713 -.072

1032 730

1762 1443 -0,69

B

100

860 760 Mean = -067

1898 716

2614 1476 062

69

820 751 -062

1938 724

141930 2662 1475 062

~~AC~~ 00

14(7 25

22956.595

.341

0.254

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1921phae.proj..6490

Sept 23 - 1921

224937 XIX

14:2555 (73)

8.8

802	71.4	
1944	630	
2574	134.4	-089

72

882	740	-0.80
1948	692	
2640	143.2	-071

(a) Mean = -0.74

1027	705	
1732	716	
2822	1421	-073
3538		

1030		-068
1774	744	
2808	734	
3542	1478	-062

14 31:10

65

14 28 32

14 28 57

2296.603

.741

0.262

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1921phae.proj..649C

Sept 23 - 1921 -

224937 XX

(a)

14 36 15 104.6

1780	734	
2812	670	
3482	1404	-0.77

101.1 -0.70

1721	720	
2792	746	
3538	1466	-0.64

(73) Mean = 0.64

187.0

2700	830	
58	759	
817	1589	040

195.4 - 0.58

2618	664	
60	740	
800	1404	077

14 41 5

77 120

14 38 40
14 39 05
22956.610
6.341
0.269

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1921phae.proj..649C

Sept 23 1921

224937 XXI
78

14: 44:30 188.8
2660 772
48 802
850 1574 -043

1945 -056
2626 681
68 766
834 1447 -068

(a) Mean = -067
2802
3472 670
1021 712
1733 1382 -081

2838 -078
3502 664
1018 744
1762 1408 -076

14 49 00
13 30
14 46 45
14 47 10
22956.616
341
6.275

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1921phae.proj..6490

Sept 23 - 1921

224937

~~XXII~~

(a)

14:55:30 281.4

3471	657	
1004	758	
1762	1415	-0,74

2832		
3488	656	-0.80
99.9	700	
1699	1356	-0,86

(B) Retaken Felon

14.4		
784	640	
1956	144	
2600	1284	~~-1.01~~

Mean = -073

12.4		
798	674	
1880	790	
2670	1464	- 065

~~15 01.75~~

066

9.0		
872	782	
1933	667	068
2600	1449	

15,4,20

15 00 00

15 00 20

229,6625 - 6345 = 0.284

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1921phae.proj..649C

Sept 23 -1921-

224937 XXIII

73-

15:7:35 10.0

798	69.8	
188.8	736	
2624	1434	-0,71

8.9

83.0	741	-072
1956	684	
2640	1425	-0,72

1017 Mean = 0.70

1800	783	
2850	658	
3508	1441	-069

101,4

1758	744	-068
280,4	714	
3518	1458	-0,66

15 12 30

15 10 02
15 10 27
22956.632
15.17:50

SS Cygni 213843 Est 8.6

55.291
0

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1921phae.proj..6490

2 2 95t.

Saturday, Sept. 24, 1921

L. C. Obs. L. C. Jr Rec.

11-43- S. S. Cygni 21 38 43 Est 8.4

11-46-35 R. Coronae 15 44 28 Est 7.7

22 49 37 ~~Est~~ Phot. T.

11-51-05 ~~50.0~~ Ind. B Var. dis.

I

192.4	66.0	
258.4	85.6	
3.6	151.6	= −0.54
89.2		
		−0.52
182.2	76.8	
259.0	76.4	
10.8	153.2	= −0.51
87.2		Mean = −0.39

Ind. A

279.7	83.1	~~= −0.51~~
352.8	81.2	
96.0	164.3	−0.30
177.2		
		−0.26
270.2	90.6	
360.8	78.0	
98.4	168.6	= −0.22
176.4		

11-54-30

5 32

11 52 48

11 52 33

2295) 495 (

383

0.19

Note: C's watch 15 seconds fast.

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1921phae.proj..649C

Sept. 29, 1921.

Ind. A

1-58-35

275.2			
357.2	δ 2.0		
94.7	δ 4.7		
179.4	166.7	=	− 0.25
274.4	δ 2.3		− 0.28
356.7	δ 2.0		
97.2	164.3	=	− 0.30
179.2			

Ind. B. Mean = −0.38

5.5	78.2		
83.7	78.4		
165.8	156.6	=	− 0.45
264.2			
			− 0.47
2.8	90.4		
93.2	64.1		
195.2	154.5	=	− 0.49
259.3			

12-2-41

12 0 38
11

12 0 23

22957.500
.302

0.197

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1921phae.proj..6490

Sept. 24, 1921

Ind. B.

12-4-29

11.8	73.4	III	
85.2	78.0		
197.8	151.4	=	− 0.55
285.8			
			− 0.52
11.4	71.0		
82.4	83.6		
185.2	154.6	=	− 0.49
268.8			

Ind. A

Mean = − 0.48

99.3	87.1		
176.4	77.2		
283.6	164.3	=	− 0.30
350.8			
			− 0.43
105.0	69.7		
174.7	81.3		
275.4	151.0		0.56
356.7			

12-8-17

12 06 23
12 06 8
2295) 504
−303
201

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1921phae.proj..6490

Sept. 24, 192-

Ind. A

13-12-16	99.2	74.8	IV
	174.0	81.9	
	274.0	156.7	= − 0.44
	355.9		
			= −0.48
	97.4	79.8	
	177.2	72.6	
	278.6	152.4	= − 0.53
	351.2		

Ind. B.

Mean = − 0.55

	193.2	67.4	
	260.6	79.1	Mean
	5.9	146.5	= −0.64
	85.0		
	185.8	80.4	= − 0.62
	266.2	69.5	
	13.8	149.9	= −0.58
12-16-15	83.3		

12 14 16
12 14 01
2295) 510
303
.207

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Sept. 24, 1921

Ind. B.

V

12-18-43

193.0	71.2	
264.2	86.0	
2.6	157.2	= −0.43
86.6		
188.2	87.7	= −0.44
265.9	86.6	
14.0	156.3	= −0.45
82.6		

Ind. A

Mean = −0.56

287.4	62.4	
349.8	82.4	
96.0	144.8	= −0.68
178.4		
		= −0.68
279.8	76.0	
355.8	68.9	
105.9	144.9	= −0.68
174.8		

12-22-41

12 20 42
12 20 27
22957.514
303
.211

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1921phae.proj..6490

Sept. 24, 1921

Ind. A

12-25-2

281.6 70.0

351.6 89.2

92.0 159.2 = − 0.40

181.2

= − 0.46

275.8 83.0

35-8.8 69.2

101.2 152.2 = − 0.53

170.4

Ind. B. Mean. = − 0.55

8.8 74.0

82.8 76.4

190.0 150.4 = −0.57

266.4

= − 0.64

5.6 83.0

88.6 61.3

197.6 144.3 = − 0.69

12-31-12 258.9

12 28 7

12 27 53

2295.519

303

.216

1921phae.proj..6490

Sept. 24, 1921.

Ind. B.

12-22-27

18.2	64.6	~~VII~~
82.8	75.4	
189.4	140.0	= −0.77
264.8		

−0.76

8.4	74.0	
82.4	67.1	
192.2	141.1	= −0.75
259.3		

Ind. A

Mean = −0.72

107.6	64.6	
172.2	78.4	
275.6	143.0	= −0.71
354.0		

−0.68

101.8	77.6	
179.4	67.9	
282.3	145.5	= −0.66

12-36-15 350.2

12 34 21
12 34 6
2297.524
.303
.221

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1921phae.proj..649C

Sept. 24, 1921.

13943

Ind. A.

103.8	67.0	
170.8	76.0	
278.4	143.0	= −0.71
35-4.4		
		−0.66
99.4	80.0	
179.4	68.0	
28.2.6	148.0	= −0.61
350.6		

Ind. B. Mean = −0.60

194.2	69.8	
264.0	84.8	
2.6	154.6	= −0.49
87.4		
		−0.54
190.6	71.2	
261.8	~~66.0~~ 78.2	
11.6	~~137.4~~ 149.4	= −0.59
~~97.6~~	89.8	

12-14-3

83 46
12 41 53
12 41 38
2295?.529
.303
.226

1921phae.proj..6490

Sept. 24, 1921.

Ind. B.

12-52-14

193.0	68.6	IX	
261.6	76.8		
7.8	155.4	=	−0.47
84.6			
			−0.61
192.0	73.2		
265.2	67.8		
10.0	141.0	=	−0.75
77.8			

Ind. A

Mean = −0.62

281.0	70.4		
351.4	76.5		
100.9	146.9	=	−0.64
177.4			
			−0.66
278.4	75.8		
354.6	68.6		
105.8	144.4	=	−0.69
174.4			

12-56-51

12 54 32
12 54 17
22957.537
.303
.234

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1921phae.proj..649C

Sept. 24, 19-21

Ind. A.

13-1-30

279.8	71.2	
351.0	67.0	
106.3	138.2	= −0.81
173.3		
		= −0.77
283.6	64.8	
348.4	77.6	
97.8	142.4	= −0.73
175.4		

Ind. B. Mean = −0.68

8.8	76.2	
85.0	72.8	
192.4	149.0	= −0.59
265.2		
		−0.60
7.8	73.6	
81.4	74.0	
188.8	147.6	−0.62
262.8		

17-5-41

13 3 36
14 3 21
22957. 544
.307
.241

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1921phae.proj..6490

Sept. 24, 1921

Ind. B.

XI

13-12-16

6.8	76.5	
83.3	72.0	
190.8	148.5	= −0.60
262.8		
		−0.60
3.2	82.0	
85.2	66.4	
194.4	148.4	= −0.61
260.8		

Ind. A.

Mean = −0.69

108.2	62.6	
170.8	77.1	
278.7	139.7	= −0.78
355.8		
		−0.78
103.0	72.8	
175.8	67.6	
282.4	140.4	= −0.77
350.0		

13-16 -52

(1,3 1,4 3.4 1.8 1
2295) 51-2

.303
.248

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1921phae.proj..649C

Sept. 24, 1921

Ind. A. XII

13-22-51

107.2	65.5	
172.7	73.6	
278.6	139.1	= −0.79
352.2		
		−0.82
100.4	67.8	
178.2	68.2	
281.2	136.0	= −0.86
349.4		

Ind. B. Mean = −0.68

190.6	68.0	
258.6	80.6	
6.0	148.6	= −0.60
86.6		
		−0.54
191.4	77.4	
268.8	77.4	
12.6	154.8	= −0.48
80.0		

3
11-27-39

13 25 10 30
13 25 0
228 57.559
.303
2.58

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1921phae.proj..649C

Sept. 24, 1921.

Ind. B.

13-33-19

167.4	64	XIII
253.8	79.4	
9.8	153.8	= −0.46
89.2		
		−0.50
190.8	73.2	
264.0	78.5	
6.3	151.7	= −0.54
84.8		

Ind. A

Mean = −0.63

279.4	70.5	
349.9	71.2	
103.0	141.7	= −0.74
174.2		
		−0.76
281.2	68.8	
350.0	706	
100.8	139.4	= −0.79
171.4		

13-39-2

13 36 10

22957.567

303

264

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1921phae.proj..649C

Sept. 24, 1921

Ind. A. XV

13-41-26

279.8	73.2	
353.0	75.2	
100.0	148.4	= −0.61
175.2		
		−0.56
276.6	72.8	
349.4	80.0	
98.0	152.8	= −0.52
170.0		

Ind. B. Mean = −0.53

7.4	83.6	
86.0	71.0	
192.6	154.6	= −0.49
263.6		
		−0.50
8.4	76.4	
84.8	76.6	
187.4	153.0	= −0.52
264.0		

13-46-10

36
1
13 43 48
13 43 38
2295.572
303
269

1921phae.proj. .649C

Sept, 24, 1921

Ind. B.

XVI

13-53-0

7.2	80.0	
87.2	72.9	
192.1	152.9	= −0.52
265.0		
7.8	79.4	−0.48
87.2	77.7	
186.3	157.1	= −0.44
264.0		

Ind. A

Mean = −0.48

99.0	80.2	
179.2	74.6	
282.0	154.8	= −0.48
356.6		
		−0.49
101.8	73.1	
174.9	81.0	
276.2	154.1	= −0.50
357.2		

13-57-51

13 55 26
13 55 11
2957.80
903
0.2)57

1921phae.proj..649C

Sept. 24, 1921

Ind. A.

14-5-47

97.2	81.4	XVII
178.6	67.4	
284.0	148.8	= −0.60
351.4		
		−0.42
98.4	86.0	
174.4	81.2	
275.2	167.2	= −0.24
356.4		

Ind. B. Mean = −0.39

186.4	82.6	
269.0	80.4	
5.4	163.0	= −0.32
85.8		
		−0.36
191.6	76.6	
268.2	82.9	
7.1	159.5	= −0.39

15-10-41 90.0

16 28
16 08 14
16 07 59
22957.389
.303
286

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1921phae.proj...6490

Sept. 24, 1921

Ind. B.

14-16-29

185.0	76,4		XVIII
261.4	69,4		
9.3	145.8	=	−0.66
78.7			
195.2	74,0		−0.56
269.2	82,1		
4.7	156,1	=	−0.46
86.8			

Ind. A. Mean = −0.48

275.2	78,0		
353.2	82,2		
96.0	160,2	=	−0.38
178.2			
			−0.40
279.8	72,2		
352.0	85,6		
93.0	157,8		−0.42
178.6			

14-2240

14 19 20

14 19 5

2957.597

307

.294

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1921phae.proj..649C

Sept. 24, 1921

Ind. A.

14-24-42

277.6 764 XIX

354.0 81.6

95.6 158.0 = -0.43

177.2

-0.40

278.6 76.4

355.0 83.4

92.2 159.8 = -0.38

175.6

Ind. B. Mean = -0.26

3.3 89.0

92.3 80.6

187.2 169.0 = -0.21

267.2

-0.12

4.0 84.6

88.6 94.4

178.6 179.0 = -0.02

14-29-40 273.0

14 22

14 27 116
14 26 5
2295 7.602
307
299

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1921phae.proj..6490

Sept 24, 1921

Ind. B

14-32-42

2.2	85.0	XX
87.2	78.0	
189.0	163.0	= −0.32
267.0		
		−0.32
3.3	85.0	
88.3	78.6	
191.6	163.6	= −0.31
270.7		

Ind A.

Mean = −0.29

94.2	87.4	
181.6	81.0	
275.2	168.4	= −0.22
356.2		
		−0.26
95.8	86.2	
182.0	78.8	
276.4	165.0	= −0.29

14-37-28 355.2

10 10
16 35 05
14 34 50
2 29 57, 60 8
.303
30 5

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1921phae.proj..649C

Sept. 24, 1921.

XXI

14-46-3

Ind. A.

101.4	72.2
173.6	δ 1.0
274.8	153.2 = −0.51
355.8	
	−0.45
96.0	δ 4.0
180.0	76.0
282.2	160.6 = −0.38
358.2	

Ind. B Mean = −0.28

184.6	δ 7.2
271.8	δ 8.6
2.2	175.8 = −0.08
90.8	
180.2	91.0 0.10
271.2	δ 2.9
5.9	173.9 0.11
88.8	

14-44-46

14 42 22
14 42 7
22957.612
703
309

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1921phaeproj..6490

Sept. 24, 1921

XXII

Ind. B.

14-46-35

188.4	78.4	
266.8	93.6	
0.2	172.0	= −0.15
93.8		
183.3	87.9	−0.18
271.2	80.7	
5.5	168.6	= −0.22
86.2		

Ind. A

Mean = −0.22

280.4	72.8	
353.2	87.8	
92.2	160.6	= −0.37
180.0		
		−0.27
274.8	83.4	
358.2	87.8	
92.2	171.2	−0.17
180.0		

14-50-56

14 48 46
14 48 31
2295.651
30
31

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1921phae.proj..649C

Sept 24, 1921

XXIII

Ind. A.

14-52-27

273.0
~~349.6~~
356.0
95.2
178.0

~~0~~
85.0
82.8
167.8 = −0.23

−0.23

281.6
356.0
95.0
185.0

76.4
90.0
166.4 −0.26

Ind. B.

Mean = −0.15

0.0
93.6
189.0
269.0

93.6
80.0
173.6 = −0.12

−0.07

0.2
90.2
184.0
272.8

90.0
88.8
178.8 = −0.02

14-56-35

14 54 31
14 54 16
2295.624
203
.318

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1921phae.proj..6490

Sept. 24, 1921

Ind. B.

15-5-3

6.0	4.8	XXIV
90.8	5.2	
189.8	170.0	= −0.19
265.0		
		−0.06
3.2	7.4	
90.6	95.8	
182.2	183.2	= +0.06
278.0	176.8	

Ind. A

Mean = −0.28

94.4	75.8	
170.2	~~70.8~~	
288.2	146.6	= ~~−0.64~~
~~359.0~~		

relative below

~~104.0~~	75.8	
179.8	74.8	
283.2	150.6	= −0.56
~~15-11-50~~ 358.0		
		−0.49
100.0	0.2	
180.2	78.0	
280.0	158.2	= −0.42
~~15-15-4~~ 358.0		

15 10 4
15 09 49
229.7.632
624
8 08

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1921phae.proj..649C

Sept 24 1921

Ind. A.

XXV

15-17-27

98.0	80,0	
178.0	85,8	
265.0	165,8	= −0.46
360.8		
		−0.36
100.2	87,8	
188.0	79,8	
278.2	167,6	−0,24
358.0		

Ind. B. Mean = −0.14

190.2	87,8	
278.0	95,8	
0.2	183,6	
96.0	176,4	+ 0,07
188,0	90,2	+ 0,09
278.2	95,7	
0.3	185,9	
15-22-2 96.0	174,1	+ 0.11

39 29

15 15 18 19 44 29

22857.638

624

.014

Observations very difficult at end.
Is mirror fogged?

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1921phae.proj..6490

q 2464.5

Lat. Oct. 1, 1921

12" Polar

L.L. Obs. | B. Coronae 15 44 28 est. 8.8 | L.L. Jr. Rec.

11-43-15 | S. S. Cygni 21 38 43 est. 11.1

11-43-45

11-48-49

Ind. B 224937

			Phot. I
349.0	Var. dis.		
107.8	118.8		I
165.5	1207	64.0	
256.2	2395	20.7	
	120.5	85.5	= + 1.18
340.4			
113.2		13 2.8	(1.17)
179.8		95.7	= + 1.16
275.5		238.5	
		121.5	
Ind. A			
80.2		118.6	Mean = +1.28
198.8		131.8	
249.8		250.4	
21.6		108.6	+ 1.43
~~42.8~~			+ 1.40
72.7		125.0	
197.7		122.6	
259.8		247.6	
22.6		112.4	+ 1.36

11-54-56

Reject above group. 224937 was not the star measured.

see next page

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1921phae.proj..649C

October, 1, 1921

New Start Made 22h 39m Phot. T.

Ind. B

12-12-40

90.8	~~Var~~ * dis.	I
190.2	99.4	
272.2	86.6	
358.8	186.0	* -0.11
	174.0	
96.2	88.9	-0.11
185.1	96.8	
270.4	185.7	* -0.11
367.2	177.3	

Ind. A. Mean = -0.04

181.2	88.1	
269.3	89.4	
4.8	177.5	= +0.05
94.2		
		+0.03
186.3	80.5	
266.8	99.0	
355.8	179.5	= +0.01
94.8		

12-17-23

12 10,02
2264.507
359
.148

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1921phae.proj..6490

Oct. 1, 1921.

= 2 4 9 3 9 7

Ind. A

12-22-3

178.7	97.5		II
276.2.	95.8		
1.4	193.3		
97.2	166.7	− 0.25	
186.8	85.1	− 0.24	
271.9	~~60~~		
357.7	106.0		
103.7	191.1	= −0.21	
Ind. B.	166.9	Mean −0.20	
267.3	101.0		
368.3	85.1		
98.2	186.1		
183.3	173.9	= − 0.11	
273.6	90.1	= 0.16	
363.7	101.8		
87.0	191.9		
188.8	168.1	= − 0.22	

17-27-16

9 19

12 24 40

2 2 9 6 4. 5 1 7

25 9

,158

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1921phae.proj..649C

Oct. 1, 1921.

G.M.T.	Ind. B.	Var. Dis	Phot. I
12-32-41	194.2		III
	265.2	71.0	
	1.3	86.0	
	87.3	157.0	− 0.44
	191.2	76.4	− 0.54
	267.6	70.6	
	9.2	147.0	− 0.63
	79.8		
	Ind. A		Mean −0.36
	277.8	83.0	
	360.8	91.0	
	93.6	174.0	−0.11
	184.6		
			− 0.18
	273.2	89.0	
	362.2	78.2	
	102.0	167.2	−0.24
12-36-48	180.2		

12 34 44
22964.524
3.9
.165

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1921phae.proj..6490

Oct. 1, 1921.

Phot. T

Ind. A.

12-41-58

	277.7	79.5	IV
	357.2	88.5	
	93.3	167.0	−0.25
	181.8		
			−0.30
	276.8	80.0	
	356.8	81.4	
	100.8	161.4	−0.35
	182.2		

Ind. B

Mean = −0.32

	11.4	83.3	
	84.7	77.4	
	192.8	160.7	−0.37
	270.2		
			−0.35
	41.8	82.0	
	86.8	80.4	
	189.8	162.4	−0.33
12-46-10	270.2		

8 8

12 44 4

22964 531

357

172

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1921phae.proj..649C

Oct. 1, 1901

Phot T

G.M.T.	Ind. B			
12-50-42	10.8	73.2		
	84.0	78.6		
	186.8	151.8	-0.54	
	265.4			
			-0.56	
	8.8	75.8		
	84.6	73.6		
	190.0	149.4	-0.59	
	263.6			
	Ind. A		Mean = -0.48	
	101.4	74.8		
	176.2	80.2		
	275.3	155.0	-0.48	
	35-5.5			
			-0.39	
	96.6	83.0		
	179.6	81.4		
	273.2	164.4	-0.30	
12-54-28	354.6			

12 52 31

22964.517

359

.178

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1921phae.proj..6490

Oct. 1, 1921.

Phot

Ind. A.

13-1-57

	101.0	81.0	VI
	182.0	75.6	
	278.0	156.6	-0.45
	353.6		
			-0.42
	99.8	82.4	
	182.2	77.7	
	274.9	160.1	-0.38
	352.6		

Ind. B

Mean = -0.53

195.8	66.4	
262.2	77.4	
3.8	143.8	-0.70
81.2		
		-0.64
190.4	80.8	
271.2	68.4	
13.0	149.2	-0.59
81.4		

13-6-42

13 4 20
2296 5514
359
.1855

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1921phae.proj..649C

Oct. 1, 1921

Phot. I

VII

G.M.T.

13-12-56

Ind. B.

200.0	59.6	
259.6	78.1	
6.2	137.7	-0,82
84.3		
/		-0.76
188.8	71.4	
260.2	72.5	
11.4	143.9	-0.70
83.9		

Ind. A

Mean 0.58

279.4	73.1	
352.5	86.9	
91.4	160.0	-0.38
178.3		
274.8	81.5	-0.41
356.3	75.4	
97.8	156.9	0.44
173.2		

13-17-3

13 15 0

22964.552

359

.193

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1921phae.proj..6490

Oct. 1, 1921

Phot T

VIII

Ind. A.

13-21-12

283.6	68.8	
352.4	82.3	
96.3	151.1	−0.55
178.6		
		−0.50
275.2	81.1	
356.3	75.10	
102.4	156.1	−0.46
177.4		

Ind. B.

Mean = −0.67

15.5	~~60.0~~	
~~81.4~~	75.9	
~~76.5~~		
196.4	63.4	
259.8	139.3	−0.79
5.9	75.3	−0.84
81.2	58.6	
198.3	133.9	−0.90

13-25-41 256.9

53

13 23 26

22964.58

379

193

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1921phae.proj..649C

Oct. 6, 1921 Phot. J

G.M.T. Ind. B. IV

13-31-50

14.0	62.4	
76.4	64.8	
197.4	128.2	-1.02
262.2		
		-0.98
8.4	738	
82.2	58.4	
198.8	132.2	-0.93
257.2		

Ind. A Mean = -0.93

103.4	68.4	
171.8	70.4	
280.2	138.4	-0.81
350.6		
100.1	71.0	-0.88
171.1	60.0	
287.0	131.0	-0.96
347.0		

13-36-8

58

13 33 59

2296 U. 565

359

206

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1921phae.proj..6490

Oct. 1, 1921

Ind. A.

13 38- 15

105.8	64.2		X
170.0	73.0		
277.2	137.2		−0.83
350.2			
			−0.78
100.2	72.2		
172.4	70.0		
281.0	142.2		−0.73
351.0			

Ind. B.

Mean = −0.78

198.3	61.7	
260.0	77.4	
9.2	139.1	−0.79
86.6		
		−0.78
194.2	68.8	
263.0	72.0	
10.2	140.8	−0.76
82.2		

13-42-36

13 40 26

2296.569

359

.210

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1921phae.proj..6490

Oct. 1, 1921

G.M.T.

13-47-32

Ind. B.

197.2	63.8	XI
261.0	74.4	
6.8	138.2	-0.81
81.2		
		-0.81
194.2	71.4	
265.6	67.0	
14.4	138.4	-0.81
81.4		

Ind. A Mean = -0.80

283.0	71.2	
354.2	71.1	
101.1	142.3	-0.73
172.2		
		-0.78
280.4	71.4	
351.8	65.6	
108.4	137.0	-0.83
174.0		

13-51-40

13 49 36
22964.576
3.9
.217

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1921phae.proj..6490

Oct. 1, 1921

G.M.T.

14-1-0 Ind A. XII

282.8	67.4	
350.2	77.7	
97.8	145.1	-0.67
175.5		
		-0.78
283.4	70.0	
353.4	63.9	
107.7	133.9	-0.90
171.6		

Ind. B. Mean = 0.85

11.2	67.8	
79.0	65.6	
195.2	133.4	-0.91
260.8		
		-0.92
14.8	69.0	
83.8	63.2	
196.4	132.2	-0.93
259.6		

14-5-10

14 3 5

22864.85

319

.226

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1921phae.proj..649C

Oct. 1, 1921.

4-14-16 Ind. B. XIII

13.2	69.0		
82.2	71.6		
192.0	140.6	−0.76	
243.6			
		−0.76	
9.8	74.2		
84.0	66.4		
192.2	140.6	−0.76	
258.6			

Ind. A. Mean −0.70

~~167.0~~			
286.0	63.8		
349.8	80.0		
95.2	143.8	−0.70	
175.2			
		−0.65	
277.3	76.4		
353.7	72.2		
102.4	148.6	−0.60	
174.6			

14-21-0

37 46
14 18 53
22964,597
359
238

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1921phae.proj..6490

Oct, 1, 1921

Ind. A.

XIV

14-22-14	256.4	59.0	
	345.4	78.4	
	95.0	137.4	-0.83
	173.4		
			-0.73
	278.9	76.3	
	355.2	70.8	
	100.6	147.1	-0.63
	171.4		

Ind B. Mean = 0.80

	13.4	65.0	
	78.4	68.8	
	195.2	133.8	-0.90
	264.0		
			-0.86
	9.8	76.2	
	86.0	61.8	
	196.4	138.0	-0.81
14-26-43	258.2		

14 24 28
2964.600
359
241

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1921phae.proj..649C

Oct. 1, 1921

Ind. B.

14-31-10

	11.2	68.6	XV
	79.8	68.8	
	195.2	137.4	-0.83
	264.0		
			-0.86
	8.4	70.5	
	78.9	63.4	
	197.0	133.9	-0.90
	260.4		

Ind. A Mean = -0.76

107.8	64.4	
172.2	75.8	
277.4	140.2	-0.77
353.2		
98.3	78.9	-0.66
177.2	72.0	
281.4	150.9	-0.56
353.4		

14-35 35

14 33 22
2296 4606

357
.247

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1921phae.proj..6490

Oct. 1, 1921

Ind. A.

XVI

14-41-3	104.6	73.4	
	178.0	72.2	
	279.8	145.6	−0.66
	352.0		
			−0.66
	102.2	75.5	
	177.7	70.8	
	281.2	146.3	−0.65
	352.0		

Ind B.

Mean = −0.72

194.2	69.1	
263.3	79.3	
8.3	148.4	−0.61
87.0		
189.3	69.3	−0.77
258.6	62.9	
14.8	132.2	−0.93
77.7		

14-45-30

14 43 16

22964613

357

254

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1921phae.proj..6490

Oct. 2, 1921.

Ind. B. XVII

14-58-38

193.3	67.5	
260.8	73.6	
10.6	141.1	-0.75
84.2		
		-0.73
194.6	70.8	
265.4	72.1	
11.7	142.9	-0.72
83.8		

Ind. A: Mean = -0.76

288.2	59.8	
348.0	79.4	
96.2	139.2	-0.79
175.6		
		-0.78
279.6	73.0	
352.6	67.0	
107.4	140.0	0.77
174.4		

15-2-57

15 0 4P

22964626

359

.267

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1921phae.proj..6490

Oct. 1, 1921

15-5-55 Ind. ct. XVIII

276.8	73.6	
352.4	79.8	
96.6	153.4	-0.51
176.4		
		-0.52
277.2	77.0	
354.2	75.5	
98.9	152.5	0.53
174.4		

Ind. B. Mean = -0.57

12.4	75.0	
87.4	75.3	
190.2	150.3	-0.57
265.5		
		-0.62
6.4	78.0	
84.4	67.8	
193.0	145.8	-0.66
260.8		

15-9-33

15-07 44

2296469

35-9

.272

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1921phae.proj..649C

Oct. 1, 1921

G.M.T. Ind. B

15-20-34

	12.0	67.8	XIX
	79.8	72.6	
	188.8	140.4	-0.77
	261.4		
			-0.67
	4,4	77.8	
	82.2	72,4	
	189.8	150.2	-0,57
	262.2		
	Ind. ct.		Mean -0,54
	99.7	74,2	
	173.9	84.5	
	272.7	158.7	-0.41
	357.2		
			-0.41
	97.0	80.8	
	177.8	77.6	
	279.2	158.4	-0.41
15--25-9	356.8		

5 43

15 22 52

22964.641

357

282

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1921phae.proj..6490

Oct. 1, 1921

Ind. A. XX

15-26-5°5

98.8	76.2	
175.0	77.0	
279.8	153.2	−0.51
356.8		
		−0.46
93.3	88.5	
181.8	69.7	
283.3	158.2	−0.42
353.0		

Ind. B. Mean. −0.48

196.6	67.4	
264.0	82.5	
9.8	149.9	−0.58
92.3		
		−0.50
187.4	82.8	
270.2	75.3	
8.0	158.1	−0.42
83.3		

15°-31-15°

58 10

1°49 05

22964.645

359

.286

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1921phae.proj..649C

October, 1, 1921

G.M.T.

Ind. B. XXI

15-34-5

195.0	77.2		
272.2	75.7		
7.0	152.9	−0.52	
82.7			
		−0.44	
188.8	81.2		
270.0	80.0		
5.5	161.2	0.36	
85.5			

Ind. A. Mean = −0.40

287.2	64.6	
351.8	92.2	
88.0	156.8	−0.44
180.2		
275.5	86.3	−0.36
361.8	79.4	
~~+10.0~~ 98.0	165.7	0.27
177.4		

15-~~39~~-14

13 19

15 36 40

22964.65Y

357

.292

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1921phae.proj..6490

Tuesday October 4 1921

LC. Obs.

224937

Plot T.

GMT

B.

11:54:20 . 7.2 var dis

7 7 2 70.0

1923 706

2629 140.6 −0.76

83

88.8 80.5 −065

1902 714

2616 151.9 −054

a

1669 Mean = −068

1788 71.9

2763 773

3536 1492 −059

1022 692

1714 676 0.72

2818 1368 −084

11 58.00 3494

11 56 10

22967.49 2665

319

130

.2652

1921phae.proj..649C

8 Oct 4 - 1921

- a -

II

12; 0'0

106.3

1729 66.6

2763 769

3532 143.5 -070

978

1798 820 -062

2828 696

3524 1516 -054

-13-

1954 Mean = -0.51

2661 707

24 858

882 1565 -045

1838 867 -040

2705 744

94 1611 -036

838

12 3.45

12 01 52

2967.601

260

256

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1921phae.proj..6490

Oct 4. 1921

B. III

12 6.55 188.8
2580 692
7.2 871
943 1563 -045

1864 -037
2750 886
98 760
858 1646 029
Mean = -0.40
-037

a

2826 720
3546 652
1060 1372 083
1712

2768 060
3522 754
962 844
12 10.55 1806 1598 038

12 08 55

2296 506.
265
.261

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1921phae.proj..6490

Oct 4-1921

a

IIII

12 13,45 2797

3520 723

1052 685

1737 1408 -0.76

2843 -0.77

3528 685

1616 710

1726 1395 -0.78

-B-

3574 Mean = -0.46

924 960

1879 769

2648 1729 -0.13

60 -0.1

920 860

1828 856

12 1755 2684 1716 -0.16

12 13 50

22967 511

2605

266

1921phae.proj...6490

Oct 4 1921

V

-B-

12 25:10 3563
953 99.0
1898 746
2644 1736 -0.12

62
926 854 -0.14
1814 918
2732 1772 -0.15

-a- Mean = -.032
966
1774 808
2770 728
3498 1536 0.50

1630 0.50
1764 734
2764 810
12 29:50 3574 1544 -049

12 27 30
2296.379
245
.274

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1921phae.proj..6490

Oct 4 - 1921

-A-

VI

12 : 34 : 48

97.4		
1778	804	
2802	734	
3536	1538	-050

97.2		
1747	778	-040
2728	871	
3599	1646	-029

-B-

~~2762~~ Mean = -022

0.8		
944	936	
1902	786	
2688	1722	-015
		~~015~~

3562		
900	938	-04
1788	904	
2692	1842	
	1758	+008

12 39 30

12 37 05

22967.526

265

.261

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1921phae.proj..6490

Oct 4 - 1921 -

-B-

VII

12 44 30 0.0

1002	100,2		
1822	850		
2672	1852	1	
	1748	+ 0.09	
3598			
962	964		
1870	852		+ 0,06
2722	1816		
	1784	+ 003	

a

983			
1760	777	Mean = − 013	
2720	802		
3522	1579	− 042	
966			− 0,32
1792	826		
2752	856		
12 50 40 3608	1682	− 022	

12 47 31 —

22967.533

245

.288

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1921phae.proj..6490

Oct 4 - 1921

-a-

VIII

12 54.30 100.2

1758	78.6	
2788	862	
3550	1618	− 035
988		− 034
1814	826	
2774	794	
3568	1620	− 034

-83-

1784		
2698	914	− 021
3524	1026	
950	1940	
	1760	+ 008
1874		
2674	800	− 008
13	871	
12 0.20 884	1671	− 0.2 X

12 5) 25

2967.560

241

.295

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1921phae.proj..6490

Oct 4 - 1921

X

13h 6m 20s

73		IX
1784	9	
2734	450	
3588	990	
978	1840	+0.27
	1660	
1784		+0.30
2768	984	~~+0.02~~
3572	988	
964	1972	~~+1628~~
	1628	+0.33
-a-		
2742		
3522	780	Mean = +0.03
992	804	
1796	1684	-022
2746		
3578	832	-024
1802	826	
1828	1658	-027

13 1030

13 08 25

2 2967.5 47

245

.302

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1921phae.proj..649C

Oct 4 – 1921

X

-a-

13-17h45

2814			
3568	754		
1002	800		
1802	1554	0.47	
2751			
3552	801		-044
973	787		
1760	1588	-040	
B			
3.8			
898	860	mean =	-011
1804	994		
2798	1854		
	1746	+010	
0-0			
982	982		
1802	996		+022
2798	1978		
	1622	+034	

13 21 10

37 55

13 14 58

22967. 55

240

0.310

1921phae.proj . 6490

Oct 4-1921-

B

XI

13 25:15 . 0 0

1000	1000	
1884	836	
2720	1836	
	1764	+009
04		
928	924	+0.01
1848	851	
2699	1778	− 005

-a-

940		Mean = − 0.10
1858	918	
2784	800	
3584	1718	− 016
996		− 0.20
1788	792	
2722	886	
13 29:20 3608	1678	− 0.23

13 27 18

22967.180

245

0.315

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1921phae.proj..6490

Oct 4 1921

a

XII

13 34 40 98.3

1778	795	
2838	644	
3482	1439	− 070
1040		− 076
1716	676	
2812	706	
3518	1382	− 081

-73-

1796		− 0.474
2732	936	
38	864	
902	~~1500~~	~~058~~
	1800	000
1813		
2708	895	− 011
70	789	
85.9	1684	− 022

13 38 45

13 36 42

22967.567

566

.001

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1921phae.proj . 6490

Oct 4 – 1921 –

~~XIII~~

B

134630 1830
2714 884
58 830
888 1714 -016

1872
2722 850 -014
33 890
923 1740 -011

@

2763 -036
3558 795
1022 716
1738 1511 -055

2830
3538 708 -058
1032 768
135130 1800 1476 -062

(3 49 00
2962.576
92c
010

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1921phae.proj..649C

74

Oct 4 1921

G.M.T

	a			X-IV
13:57:45	273.6			
	3526	790		
	1503	697		
	1760	1487	0.60	
	2856			
	3502	646		-0.68
	1102	758		
	1760	1404	.077	
	73			
	3.8		Mean = 0.53	
	928	890		
	1926	720		
	2646	1610	036	
	2.2			0.38
	827	800		
	1890	796		
13.14 230	2686	1596	039	

14000 ✱
2296.583
566
.017

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1921phae.proj..6490

Oct 4 1921

4 TB ~~XV~~

1B 9:5 06

912 906

1888 762

2650 1668 025

78

802 724 - 034

1884 844

2698 1568 044

a-

~~1730~~ Mean = - 058

2784

3522 738

686

1074 1424 -073

1760 6

2862 -082

3482 620

1020 708

4

1B 1310 1728 1328 - 092

14 11 08

2296.591

586

025

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1921phae.proj..649C

Oct 4 1921

a-

XVI

14-19:05

2806
3522 716
1058 631
1689 1347 -088

2848
3460 612 -092
1060 691
1751 1303 097

-B-
64 mean = -070
876 812
1922 710
2632 1522 053

68 -048
828 760
1894 814
2708 1574 043

14 22 15

14 21 10
2967 -98
566
032

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1921phae.proj..6490

Oct-4-1921

-B-



14h31m30 S:8

848	790	
1904	770	
2674	1560	-046

93		-046
913	820	
1906	782	
2638	1552	-047

-a-

Mean = -068

102.2		
1726	704	
2862	616	
3478	1320	-094

1050		
1726	676	-090
2802	680	
14 3810 3482	1356	-086

940

14 34 50

2296.609

586

.0423

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1921phae.proj..649C

Oct 4 - 1921

a.

XVIII

14=4315 98.2

170.2	720	
2902	548	
3450	1268	1.05

1042		
1678	536	-1.06
2856	626	
3482	1262	-1.06

-B-

mean = 096

1898		
2686	788	
172	612	
784	1400	077

200.2		085
2622	620	
108	702	
810	1322	093

14 47.40

14 65 28

2296.615

566

.649

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1921phae.proj..6490

Oct 4 - 1921 -

B

XIX

145000 1971
2558 58.7
122 670
792 1257 1.07

189.4 .086
2632 788
128 720
848 1458 .066

a

2930 Mean = 1.04
3478 548
1622 682
1704 1230 .113

2898
3488 590 1.21
1084 564
145400 1648 1154 1.29

145200
2296.6 9
576
.053

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1921phae.proj..649C

Wed. Oct. 5, 1921.

12" Polar.

P.G. Obs.	Ind. B. 224937	L.L. Jr. Rec.
13-19-21	13.2	Var. obs
	77.7	Phot I
	188.8	64.5
	264.4	75.6
		140.1 — 0.77
	8.2	
	92.2	84.0 — 0.66
	194.2	68.9
	263.1	152.9 — 0.52
	Ind. A	— Mean = −0.69
	107.2	~~66.6~~
	176.6	69.4
	246.6	70.0
	360.6	139.4 — 0.79
	103.2	73.0 — 0.72
	176.2	73.0
	278.7	146.0 — 0.65
13-23-12	35-1.7	

13 19 18
22968.555
528
027

Oil clock.

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1921phae.proj..6490

Oct. 5, 1921

Ind. A

13-25-44

95.4	75.8	Phot I	
174.2	71.4		II
279.4	147.2	− 0.63	
350.8			
		− 0.66	
96.6	83.2		
179.8	60.8		
245.8	144.0	− 0.69	
346.6			

Ind. B.

Mean = −0.56

193.8	72.2	
266.0	86.0	
3.8	158.2	− 0.42
89.8		
		− 0.46
186.9	75.3	
262.2	79.10	
8.4	154.3	0.49

13-29-40 87.4

13 27 4X

2296 561

528

.033

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1921phae.proj..6490

Oct. 5 1921

Ind. B. Phot I

13-31-34 197.4 71.0 III

268.4 88.2

2.2 159.2 −0.40

90.4

−0.36

184.4 86.8

271.2 76.6

70.2 163.4 −0.32

86.8

Ind. A. Mean = −0.55

286.0 ~~59.4~~

~~354.4~~ 78.4 70.0

105.6 ~~129.4~~

175.6 138.4 −0.81

278.8 75.0 −0.74

353.8 69.8

107.2 144.8 −0.68

13-35-15 177.0

13 33 24

22968.56

528

.037

1921phae.proj..6490

Oct. 5, 1921

Ind. A. Phot. I

13-40-5

288.4	59.8		IV
348.2	67.8		
104.4	127.6	−61.03	
172.2			
		−61.10	
265.0	60.2		
345.2	60.2		
110.6	120.4	−61.18	
170.8			

Ind. B. Mean = −0.81

4.0	77.6	
81.6	73.8	
191.6	151.4	−0.57
265.4		
		−0.52
6.4	82.5	
88.9	72.2	
193.0	154.7	−0.48
265.2		

13-44-22

13 42 14

22968.571

328

.043

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1921phae.proj..6490

Oct 5 1921-

	-B-		V	F.T.C. Rec
13.47 35	10.0			
	86 0	76.0		
	19.02	736		
	2638	149.6	−0.58	
	88			
	778	690	−0.66	
	1930	726		
	2656	1416	−0.74	
	-a-			
	1050		Mean = − 0.83	
	1734	684		
	285.8	614		
	3472	1398	−0.78	
	1144			
	1724	580	−1.00	
	2860	608		
13.51 45	3468	118.8	−1.22	

13 49 40
2296f. 576
528
.048

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1921phae.proj..6490

- Oct 5 1921 -

A-

VI

~~12~~ 13:57:30	1054		
	1732	67.8	
	2860	579	
	3439	1257	-1.07
	1020		-0.88
	1734	714	
	2816	727	
	3543	1441	-069

B.

Mean = −0.68

	1912		
	2640	728	
	122	750	
	872	1478	-0.62
			−047
	1933		
	266.6	1733	
	2.2	900	
14-1.25	922	1633	0.32

13 59 22

22968.583

528

.055

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1921phae.proj..649C

Oct 5 - 1921 -

B VII

14 : 4 40 188.8

2672	78.4	
89	709	
798	1493	−059

1998

2656	658	−060
54	830	
884	1488	−060

A Mean = − 0,80

2844

3476	632	
1064	644	
1708	1276	−103

2854 −100

3504	646	
1078	655	
1733	1301	−098

14 8:00

14 6 20

2296 f.58)

528

.057

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1921phae.proj..6490

Oct 5 1921 -

VIII.

13

-A-

14 ~~14~~50 278.4

3564 78.0

1052 64.0

1692 1420 -0.73

2840

3482 64.2 -.082

1010 64

1694 1326 .092

B

22 Mean = -0.70

938 91.6

1950 648

2598 1564 0.45

114

774 660 -.058

1934 772

14 16 55 2706 1432 0.71

45

14 15 22

2296 2.594

328

.066

1921phae.proj..649C

Oct 5 1921

B IX

14 24:45 12,0

755	630	
1980	634	
2614	1264	- 1.05
80		- 0.91
737	657	
1912	743	
2655	1400	- 077

A

1055		- 0.94
1666	611	
2922	633	
3455	1244	- 1.60
1054		- 0.98
1638	584	
2922	576	
14:29:30 3498	1360	- 0.86

15

14 27 A

22968.602

528

.074

22969.169 F32

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1921phae.proj . 6490

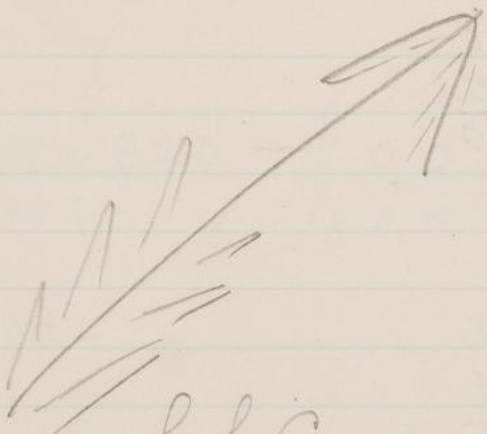
Oct 5 1921.

A. X

14 -34,50-

Photometer & Clock need Oiling!

Observations too difficult to continue.



S S Cygni

14 :38:10 213843. Est. 11.7

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1921phae.proj..649C

Thursday Oct 6 1921

CC Obs.

11 - 55° R Coronae 154428. Est. 7.0
Observation somewhat uncertain
on account of clouds -

224937. - I - Phot-T.
B.

12 2·12 262.2 Var dis.
3396 77.4
80.8 876
1684 165.0 - 029

026

2606
3420 81.4 Mean = - 0.32
82.2 860
1682 167.4 - 0.24
-a-
3544.
732 78.8
1726 862
2588 165.0 - 029

3523
743 820 - 0.38
1812 734
12 6.53 2546 155.4 - 047

12 4 32
22969.503
.491
0.012

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1921phae.proj..6490

Oct 6 - 1921 -

II.

12 10 53	-a-			
	3530			
	722	.792		
	1764	760		
	2524	1552	-047	
	3533		-056	
	706	.873		
	1868	594		
	2462	1467	-0.6	
	53			
	788		Mean = -0.39	
	1592	809		
	2672	744		
	3416	1553	045	
	774		-0.22	
	1674	900		
	2564	900		
12 15 12	3464	1800	000	
6 05				
12 13 02				
22969.509				
.491				
.018				

Troubled by clouds near middle of group.

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1921phae.proj..649C

Oct 6 1921

-73-

III.

12 19:10 79.8

1612	814	
2722	638	
3364	1452	-0.47

882

1622	740	-0.52
2613	867	
3480	1607	-0.37

-a-

Mean = -0.48

1784

2528	744	
3560	858	
75:8	1602	0.38
		-0.44

1763

2560	797	
3544	738	
682	1535	0.51

12 23 15

12 21 12

969.515

491

.024

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1921phae.proj..6490

Oct 6 - 1921 -

a IIII

12 36 26 180.2
2502 7.00
3563. 73.5
698. 1453 - 070

1744 - 060
2520 776
3540 766
706 1542 - 049

-73. mean = -0.52
~~3305~~
900
1642 742
2660 762
3422 1504 - 057

79.7
1623 826 - 044
2652 803
12 40 48 3455 1629 - 032

(2 38 37)
969.52
491
0.036

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1921phae.proj..649C

Oct 6 - 1921

-93-

V

12 52-6

	87.8		
	1648	770	
	2672	728	
	3400	1498	-0.58
	836		-059
	1582	746	
	2656	740	
	3396	1486	-0.60

-A-

mean = — 0.68

	1744		
	2498	754	
	0.0	663	
~~T2~~	663	1417	-0.74
	1787		-076
	2480	693	
	3572	708	
12 56 55.	680	1401	- 077

12 54 30

969. 538

491

.047

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1921phae.proj..6490

Oct. 6 - 1921 —

A- VI

13-4-43 167.2

248.8 81.6

3.2 69 0

722 150.6 -0.56.

175.0

247 2 72.2 - 050

354 6 748

694 1570 - 044

B - Mean = -055

264.4

338 8 74.4

884 714

1598 1458 066

262 - 060

345 5 79.3

864 782

1395 1596 1525 - 053

(3 48

(3 06 57

969.547

491

.056

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1921phae.proj..649C

Oct 6 1921

— B —

VII

13·11·00

2702			
3424	72.2		
87.8	712		
15·80	1434	− 071	
2686			− 069
3370	68.4		
823	767		
15·90	145·1	− 067	

— a —

Mean = −0.70

3540			
668	72.8		
1772	680		
2452	1408	− 076	
0.4			072
682	678		
1744	766		
2510	1444	− 069	

13 14 50

25 50

13 12 55

969. 551

491

060

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1921phae.proj..6490

Oct 6 - 1921 -

— A —

VIII

13:21'48 3560
700 740
1814 632
2446 1372 −.083.

0.4 −0.80
684 68.0
173.3 717
2450 1397 −0.78

— B —

Mean = −0.68

848
1609 761
2680 748
3428 1509 −0.56

860 −057
1588 728
2652 770
13 25 42 3422 1498 −058

13 23 45 —
969.558
.491
.067

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1921phae.proj..6490

Oct 6 - 1921 -

-B-

13:45:11

83:0
1666 83.6
2702 682
3384 1518 9,54

830
1594 764 -048
2633 809
3442 1573 043

-A-
1798 0
2488 690 Mean = -0,64
3580 690
670 1380 081

1816 -080
2474 658
3540 734
674 1392 079

13-49 00

13 47 06
969.574
691
083

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1921phae_proj...6490

Oct 6 - 1921 -

— A —

13:57:00	1784			
	2516	732		
	3570	685		
	655	1417	-074	
	1812			
	2508	696		-066
	3575	723		
	698.	1419	058	
				~~-066~~

— B —

	2662			Mean = 0.61
	3448	786		
	872	750		
	1622	1536	-050	
	2683			
	3414	731		
	880	740		= 056
1402:05	1620	1471	063	

905

13 57 32

969.583

491

.092

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1921phae.proj..649C

Oct 6 - 1921

— 73 —

XI

14 10 x 49

267.4
3378 704
90.0 700
1622 1404 - 0.77

2632 - 059
3444 81.2
84.8 772
1620 1584 - 041

— a —

455 mean = 0.67
1144 68.9
2236 65.4
2990 1343 - 089

456
1196 740 - 0.75
2259 741
3008 1481 - 061

14 15 15
6 04
1513 02
969.592
491
101

Phot. T. oiled up - this a.m.;
Now works much
better

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1921phae.proj..6490

-Oct 6 - 1921-

-a~ XII

14:20 55 45:8
1180 742
2202 784
2986 1526 052

444.4
1133 689 -058
2222 778
3000 1467 064

B mean = 049
1250
2082 802
3088 782
3870 1584 041

131:8
2118 800
3122 790 -040
14 25 10 391.2 159.0 -040

14 23 22
969.599
491
.108

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1921phae.proj..649C

Oct 6 - 1921

- 73 -

14-28:16	1313		XIII
	2089	776	
	3139	794	
	3933	1570	-044
	1306		
	2114	78.8	-044
	3116	788	
	3904	1576	-043
	- a -		
	2262		Mean = -039
	2972	710	
	407	923	
	1130	163.3	-032
	2248		-034
	2948	700	
	434	906	
14 32:40	1140	160.6	-031

1 ↺ 30 28

969.604

.113

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1921phae.proj...6490

Oct 6 - 1921

— a —

XIV

14:20:45

2240	732	
~~2972~~	~~842~~	
406	752	
1158	~~1484~~	- 099
2248		
~~2923~~	684	
~~4055~~	~~X~~ 72.3	
1188	140.7	-
~~2248~~		

Reject

Too much confusion in readings. see below

— a —

14:45:44

2233		
2989	75.6	
398	764	
1162	152.0	- 0.54

2280		~~- 018~~ 058
2980	70.0	
41.2	~~X~~770	
1182	~~13~~70	063
73	147.1	

Mean = - 0.40

3060		
4008	948	
1328	724	024
2152	1672	

969.617
491
.126

3122		021
3902	780	
125.5	928	
2178	1703	0.18

14 50.3
14 47 5-2

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1921phae.proj..649C

Oct 6-1921—

B.

14 55.80

303.0		XV	
391.8	88.8		
1262	87.2		
2134	1760	0.08	
3066			
3916	85.0		−020
129.8	774		
2072	1624	−033	
−a−		Mean = −034	
416			
1202	806		
226.0	738		
2998	1544	−0.49	
454			= −049
1168	71.4		
2178	828		
3006	1542	−049	

14 59 38

14 57 19

969.623

491

.132

1921phae..proj..6490

Oct 6, 1921

~a~ XVI

15:7:43

42.0		
119.8	77.8	
224.9	771	
3020	1549	-048
40.0		
120.8	80.8	-042
220.0	800	
3022	1608	.037

-B-

1216		Mean = -014
2230	101.4	
3098	822.	
3920	183.6	
	1764	+.007
1250		
2150	900	+013
2980	998	
3978	1898	
	1702	+019

15 11.51

15-09 47
969.632
491
.141

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1921phae.proj..649C

Wednesday Oct 12 - 1921

2 35 R Coronae 154428 - Est 9.3

12 - 38 - S.S. Cygni 213843. Est. 11.5

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1921phae.proj...6490

2297.

Friday Oct. 14-1921

LL Obs
gmt

11:35 R Cor Bor 15 44 28 Est 9.5 ✓

11:37 S S Cygni 21 38 43 Est 11.6 ✓

11 44 50 R Scuti 18 42 05 ~~Est~~ Phot T.

B

145.8 var. dis

1905 44.7

330.2 438

374.0 -88.5 -1.95

1488 -1.92

1908 42.0

3278 490

3768 -91.0 -189

-a-

2304

2834 530

57.2 461

1033 991 -168

2370 -182

2822 452

586 426

11 47.25 1012 878 -19.7

15

11 46 08

2297.490

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1921phae.proj..649C

Oct 14 - 1921 -

α Cygni. 213244 — Phot S.

G. M. T.	B.		
11.54 33.	238.4	Comp. * dis.	
	2820	43.6	
	57.0	466	
	1036	90.2	+19.1
	2382		
	2798	416	+2.06
	396	380	
	976	79.6	+22.1
	a		
	3312		
	3658	346	
	1544	362	
	1906	708	+24.8
	3330		+2.46
	3666	936	
	1522	380	
11 57.08	1902	71.6	+24.5

11 41

11 55 50

22977.497

x 22

Mean = +2.26

6.48

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1921phae.proj...6490

— Cygni Same comp * as for W

G. M. T.	B	+45°.3584	
12 1-55	3932.2	Comp * dis –	
	3688	366	
	1492	466	
	1958	83.2	+2.10
	3326		+2.06
	3762	43.6	
	1488	424	
	1912	86.0	+2.02
	a –		Mean = +1.97 (423)
	596	422	6.19
	1018	440	
	2376	862	+2.02
	2816		
	524		+1.88
	1052	528	
	2389	433	
12 4.28	2816	96.1	+1.75

6 23
12 03 12
22977.503

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1921phae.proj..649C

Oct 14 · 1921 –

G.M.T.

12-22. Miss Woods var - 173 ϕ 06 Est a, 0, 5 b.

12 29.55 Nova Aquilae 1843 ↑ comp * = the 6.3 ↑ Est 9.3

" " Phot T.

~~dud~~ -

~~12 · 22~~

– Loosen up tail piece –

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1921phae.proj...6490

Thursday Oct 20 1921.

G.M.T.

12:25 L Cygni 213843 Est 11,9
R Coronae 154428. Est 9:0
R Scuti 184205 Too Cloudy –
– Cygni +45° 35' 84. Phot T.
Sud. B.

12.38.58

247.0	Comp * dis.	
285.0	38.0	
548	468	
101.6	84.8	+2.06

2480		+224
2754	27.4	
554	432	
100.6	72.6	+2.42

a –

		422	mean = +216
3314			6.38
3736	422		
1469	466		
1938	88.8		+19.5

3304		+2.09
3722	318	
1444	470	
1914	78.8	+22.3

12 42 00

12 40 29

2 29 8 3.52 8

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1921phae.proj..649C

Oct 20 1921

– Cygni +45.3584 – Again.

Dec B.

12:47 — 245·6
2808 352
54.4 490.
103.4 842 +2.07

2404
2774 37.0 +2.24
602 360
962 73.0 +24.1

a +22

3283 Mean = +209
2130 447 6.31
1502 442
1944 889 +1.94

3293 +192
3733 440 ~~192~~
1483 460
12,50.50 1943. 90.0 +19.1

9750
12 48 55
22983.534

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1921phae.proj..6490

Oct 20 -1921-

W Cygni

Rhot T.

Ind B.

12:5-9:10	239.4			
	2884	49.0		
	53.4	462		
	996	95-2	17.8	
	2374			
	2817	443	180	
	514	310		
	1024	95.3	183	
	-a			
				422
	3278		Mean = +	190
	3730	45-2		6.12
	1500	468		
	1968	920	186	
	3320			200
	3650	330		
	1482	488		
13 3:19	1970	818	2.14	

13 01 14

2298 3.542

1921phae.proj..649C

Oct 20 1921

P Scuti 184205 Phot 10

13:6:50, 1466 radius
1902 43.6
3262 512
3774 948 -1.79

1458 -17.9
1940 482
3314 464
3778 946 -179

-a, mean = 712/192 = 520

2404
2852 448
624 418
1042 866 -201

2366 -2.06
2780 414
598 410
13 11 00 1008 824 -21.2

17 50
13 08 55
22983.5458
13:16:55 → More clouds!!

13 30 Many clds

1921phae.proj...6490

Friday October 21 - 1921

22h 54m
G.C. Obs.
G. M. T.
13:55

R Androm. 001838 Est. 11.2
Var. certainly seen, altho
troubled somewhat by clouds.

Too cloudy to continue
to advantage.

15-30 ○ Cotti 021603 Est 8.1

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1921phae.proj..649C

Sat. Oct. 22 - 1921

Obs.

G m T. ☉

224937 - — Lacertae ~~Est.~~ Phot T.

11 46 45 B A 207.2 Comp * dis.
3074 100.2
35.7 93.1
128.8 193.3
166.) -025

2142
3012 930
274 1028 027
1302 1958.
B 1642 - 030

2972
434 106.2
1153 980 - 040
2133 2086 - 048
1354

3022
378 956 052
1152 1141
11 50 43 2293 209.7
1150.3 - 057

11 48 44
2298.492

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1921phae.proj..6490

Oct 22. 1921

-B-

11 51.00

3014			
448	1034		
1162	1011		
2173	2045		
	1525.5	−0.47	
303.6			
42.6	99.0	−0.47	
1204	1054		
2258	2044		
	1522.6	−0.47	

-a-

29.1		Mean = ∓ 0.20	
1260	96.9		
2200	830		
3030	1179	00.0	
39.8		+ 0.06	
1224	826		
2152	911		
3063	1737	+ 012	

11 54 31

s − 31

11 52 46

2298.495

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1921phae.proj..649C

Oct 22- 1921-

-B-

III

12 : 11:25

37.6
1228 85.2
2264 87.2
3036 172.4 + 0.14

35.5
1214 85.9 + 0.10
2156 91.2
3068 177.1 + 005

-a-

1174
2224 1050 Mean :— 0,18
3032 966
3998 2016
1584 → −041

1228
2179 951 −046
3013 1015
12 16 17 4028 1966 −051
1534

27 42
12 13 51
22985.510

Re-silver - Mirror

Urgent

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1921phae.proj...6490

Oct 22 - 1921 -

a -

IIII

12 23 40	114.2		
	21.8 0	103.8	
	30 2 2	98 6	
	39 5 8	197.4	
		152 6	- 052
	12 19		
	22 2.2	100 3	050
	30 2.3	95 1	
	39 7 4	195.4	
	-B-	154 6	-049
	21 0 4		
	30 1 4	99 0	Mean = -028
	37 2	89 4	
	12 6 6	188.4	
		179 6	-001
	22 1.9		+0.10
	30 3 3	81 4	
	36 2	87 4	
12 28.40	123 6	168.8	+021

12 20

12 26 10

2285-378

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1921phae.proj..649C

Oct 22-1921

-B-

V

2-33.45

2132
3059 927
368 860
1228 178.7 + 0.02

2173 + 006
3023 850
358 890
1248 174.0 + 011

-a-

Mean = - 0.25

2960
4032 1072
1153 1049
2202 2121
1479 - 0.62

3022
4003 981
1182 1036 - 056
12 38 13 2218 2017
1583 - 0.51

11 58
12 35 59
22985.525

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1921phae.proj..6490

Oct 22 -1921-

-a-

VI

12 43:45	221.8	Var. dis-	
	2978	76.0	
	418	886	
	1204	164.6	0,29
	2218		-038
	3028	81.0	
	424	760	
	1184	187.0	044
	-73-		
	3073		Mean = -027
	3922	849	
	1298	842	
	2140	1691	-020
	3058		,018
	3940	852	
	1258	870	
12482	2128	172.2	015

11 47

12 45 54

22985332

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1921phae.proj..649C

Oct 22 - 1921

-B-

VII

2-53.16

311.0		
393 2	822	
130 2	841	
2143	1663	- 026
307 2		- 026
393 8	866	
128 2	792	
2074	1658	- 027

-A-

Mean = - 0.145

452		
1130	678	
2226	778	066
3004	~~1486~~	- ~~062~~
	1456	
428		- 064
1172	744	~~077~~
2280	726	- 0.63
3006	1470	~~083~~

12:57:40

12 55 28

2298 53 38

1921phae.proj..6490

Oct 22-1921

-a-

VIII

13.930 455

1122 66.7

2308 670

2978 133.7 -090

474

1044 670 -0.78

2232 781

3013 1451 067

.78

1236

1163 927 Mean =054

3116 750

3866 1677 -023.

1286 -030

2068 782

3066 830

13 13 52 3896 161.2 -036

13 11 41

2985.550

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1921phae.proj..649C

Oct 22 - 1921

TB -

IX

13.20.00

1318
2136 818
3148 636
3884 145.4 -067

1288 -056
2078 790
3116 774 045
3900 1564

- a -

2268 Mean +076
2920 652
472 660
1132 131.2 095

2283
2968 685 096
488 620
1108 130.5 097

13 24 15

13 22 08

2285.55

1921phae.proj...6490

Oct 22-1921

@ - X

13-29:17

2348			
2934	58,6		
448	684		
1132	127,0	1.04	
2230			
2964	730		096
464	674		
1838	1404	0.77	
	B		
3164		Mean = -0.73	
3892	728		
1255	887		
2142	1615	-0.35	
3108			056
3889	781		
1338	625		
13 3322 2063	1406	076	

13 31 20

229 45.5-63

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1921phae.proj..6490

Oct 22 - 1921

.73.

XI

13-40:33

313.8		
3868	73.0	
129.9	801	
2100	153.1	−051
3088		−052
3880	792	
1344	736	
2080	152.8	−052
	a	
406		Mean = −0.70
1098	692	
2274	666	
2940	135.8	−086
476		−088
1118	642	
2249	690	
2939	1332	−091

13-4648

13 43 40

2985.572

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1921phae.proj..6490

Oct 22 - 1921

@ - ~~XII~~

13:53:48 520

1080 560

2248 692

2940 1252 1.08

524 1.04

1108 584

2238 706

2944 1290 1.00

B.

1314

2073 759 Mean = 085

3166 714

3880 1473 063

1348 066

2068 720

3164 716

13 58 25 3880 1436 070

13

13 56 0f

2 2 9 8 5 5 8 f 1

— Oil up motor —

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1921phae.proj..6490

Oct 22. 1921

-13-

XIII

14- 7:10 1330

2058 728

3124 750

3874 1478 062

1358

2042 684 071

3178 702

3880 1386 080

-a-

2298

2918 620 Mean = −088

2459 607

1066 1227 113

2255

2930 675 104

488 640

14 11 29 1128 1315 095

1609 20

22985.590

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1921phae.proj..6490

Oct 22 - 1921 -

α -

XIV

14 21:10	229.8			
	2914	616		
	482	582		
	1064	119.8	1.20	
	2292			
	2942	650		1.17
	538	576		
	1114	1226	114	
	-√3.			
				95
	3198		mean = 059	
	3864	666		
	1304	800		
	2104	1466	064	
	3143			
	3868	725		073
	1390	650		
14 26:12	2040	1875	082	

47 22

14 23 41

229B.600

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1921phae.proj..649C

Oct 22 - 1921 -

73

XV

4
8 2800

316.2			
3888	726		
1320	820		
2140	1546	-0.49	
3106			
3898	792	-062	
1388	626		
2014	1418	-074	
-a-			
477		Mean = -084	
1114	637		
2268	670		
2938	1307	-096	
501		-1.06	
1136	638		
2300	580		
2880	1218	-1.15	

14 32 5

05

1x 30 02
22985604

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1921phae..proj...6490

Oct. 22. 1921-

α

XVI

14:39:30 50.0
1076 576
2218 730
2948 130.6 -097

474 - 0.98
1140 666
2306 630
2936 129.6 -099

β.

1338 Mean = 078
2072 734
3136 742
3878 147.6 062 ~~082~~

1355 057
2088 733
3106 794
3900 152.7 052

14 44. 10
83 40
16 41 50
229 5.612

1921phae.proj..649C

Oct 22 - 1921.

78. XVII

4. 51:50

1338		
2066	733	
3146	784	
3930	1517	054
1348		056
2010	662	
3074	834	
3908	1496	058
(a)		
2206		Mean — 068.
2988	782	
484..	634	
1118	1416	.074
2214		
2919	705	080
455	651	
1106	1356	086

14 56:08

58

14 53 59

229 55.621

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1921phae.proj..6490

Tues. Oct 25. 1921-

LC. Obs-

G.M.T.
11:40 R Coronae 154428 Est 8:0
11:42 RS Cygni 213843 Est 11.7

I

(B) Lacertae 224937 Comp, dis. Phot T.

11 44.2
26.8
1322 105.4
2056 1136
3192 219.0
141.0 - -075

16.2
1292 113.0 -0.68
2130 982 Mean = -072
3082 211,2
(Q) 148.2 - -060

1152
2179 102.7
2948 1130
4078 2157 - -069
144.3

16.4
2308 2144 -076
2980 1084
11 48.38 4064 3228
3372 - -083
11 46 20
22988.490

mirror resilvered - & put back in telescope Oct 25-

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1921phae.proj..649C

Oct 25 1921

	a		H
11 55 0	46.0		
	1104	764	Van der
	2312	638	
	2950	1402	-077
	47.8		
	109.8	620	-084
	224.8	720	
	2968	1340	-090
	B-		
	1257		Mean = -068
	2126	869	
	3122	700	
	3822	1569	-044
	1356		,051
	2662	706	
	3123	790	
11 59 .5	3913	1496	-058
11 57 2			
22988. 498			

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1921phae.proj..6490

Oct 25 – 1921

TB

III

12 4.30	132.4			
	2136	812		
	3118	750		
	3868	1562	0.45	
	132.9			
	2032	703		-059
	3150	719		
	3869	1422	0.73	
	225.0			
	2998	748	Mean = 072	
	478	660		
	1138	1408	076	
	2312			
	2943	631		0.84
	443	700		
12 9.00	1143	1331	091	

13 30
12 06 45

2298.505

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1921phae.proj..649C

Oct 25 - 1921

A. IV

12 :12:50 223.2

2984	75.2	
42.2	736	
115.8	148.8	- 060

2274

2984	71.0	-0,67
43.0	709	
1139	1419	074

B.

3069	837	Mean = -0.50
3906	7875	
1308	1512	-036 ~~055~~
2083	6	

3150

3908	758	-034
1284	872	
12 1640 2156	1630	032

12 14 45

2 2 9 ff. 5 7 0

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1921phae.proj...6490

Oct 25 – 1921

V

	TB-			
12 21:50	3152			
	3922	770		
	1322	754		
	2076	152.4	0.53	
	3188			-056
	3888	700		
	1300	799		
	2099	149.9	-058	
	(a)			
	474		mean = 073	
	1144	670		
	2298	644		
	2942	131.4	-095	
	510			
	1128	618		-090
	2258	738		
12 25:5	2996	135.6	086	

TL 23 28
576
2298 ~~522~~

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1921phae.proj..649C

Oct 25 - 1921

(A) VI

12 32.0 445
1122 677
2226 712
2938 138.9 −0.80

480
1155 675 −071
2211 801
3012 1475 062

(B)

~~1770~~
2742 contact dis Mean −044
3578 836
856 974
1830 1810
179.0 −002

2616
3666 1050 −0.16
884 914
1237.0 1798 1964
1636 −0.31

12 35 0
229 Pf. 3-24

1921phae.proj...6490

Oct 25 - 1921 -

(B3)

12 38 10 2794 comp + dis VII.

3701 1007

846 1086

1932 2093

1507 — 056

2736

3728 1092

973. 1034

1907 2126

(a) 1424 — 063

56

1000 944 Mean = — 0.58

1724 1174

2898 2118

1482 — 061

38

1108 1070 — 056

1844 1004

12 42 10 2848 2074

1426 — 052

12 40 05

22988 520

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1921phae.proj..649C

Oct. 25-1921

a- VIII

12 47 00 4.0 comp* dis

102.6	986		
177.8	1066		
284.4	2052		
	1548	—	048
61			
1086	1025		
1832	964	—	-042
2796	1989		
(03)	161.1	—	036
1874			Mean = 026
2842 var dis	968		
877	827		
904	179.5		001
1934			
2769	835		009
1.2	874		
1.2 50:25 946	170.9		017

97 25
12 48 4~
2298.534

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1921phae.proj...6490

Oct 25 1921

(73)

12 56.35

1838			IX
2756	918		
17.7	891		
968	1809		
	1791	+ 002	
1922			
2758	836		
138	769		− 018
907	1605	− 037	

(a)

2886			Mean = − 026
3608	722		
958	904		
1862	1626	034	
2840			− 034
3682	842		
1059	780		
1839	1622	034	

13 00 20

12 57 20

2 29 AP 5740

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Oct 25 - 1921

-a-

X

23-6:10

281.1			
3648	83.7		
951	935		
1886	177.2	0.05	
2748			− 010
368.8	940		
104.3	776		
1819	171.6	016	
(73)			
			Mean = −0.04
77			
984	907		
1890	870		
2760	1777	004	
2.2			+ 002
100.2	980		
191.1	855		
2766	183.5		
	1764	007 +	

13 10:5

13 08 2
=2988.547

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Oct 25-1921-

XII

	15	03	
13: 15		14.1	
	968	827	
	1860	1050	
	2810	187.7	
		1723	+ 014
	85		
	1022	967	+005
	1916	812	
	2728	1779	004
		(a)	
	1034		Mean = 000
	1868	834	
	2812	909	
	3721	1743	0.11
	1023		-.006
	1874	851	
	2758	940	
13 1930	3698	179.1	002

13 17 22

22 9 ~~ff~~ 53 3

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1921phae.proj..649C

Oct 25 1921 -

a

XII.

23:25:10 96.4

1908	1944	
2802	906	
3708	1850	
	1750	+009
974		
1856	882	
2756	928	+006
3684	1810	
~~84~~ 83.	1790	+002
1802		
2786	984	
84	928	Mean = +011
1012	1912	
	1688	+021
1878		
2806	928	
48	929	
1930.8 977	1857	+016
	1743	+011

13 27 34

22988.561

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1921phae.proj . 649C

Oct 25 1921—

25

13: 35

B.

XIII.

	1859		
	2812	953	
	718	911	
	989	1864	
		1736	+0.12
	1869		
	2738	869	−006
	114	797	
	911	166.6	−0.25
	(2)		
	2886		Mean = −0.14
	3636	750	
	992	840	
	1832	159.0	−040
	2804		−021
	3688	884	
	1026	904	
13 40.20	1920	1788	−002

15 45

13 37 52

2298 568

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1921phae.proj..649C

Oct 25 - 1921

-a-

XIV

13 44 21

2822		
3682	860	
1023	830	
1853	1690	- 0.21

2832		- 024
3668	836	
1006	820	
1826	1656	027

(23)

48		Mean = 019
918	870	
1865	897	
2762	1767	- 006

158		
926	768	~~015~~ 014
1869	910	
13 48 12 2779	1678	- 023

13 46 16
22988.5 4/4

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1921phae.proj..649C

Oct 25 - 1921 -

(73)

XV

13-51 42 218

972	94.4	
1906	802	
2708	174.6	-010
146		-016
926	78.0	
1868	906	
2774	168.6	022

(a)

1030		Mean = - 028
1816	786	
2878	758	
3636	154.4	0.49
1084		-040
1844	760	
2796	870	
13 55 27 3666	1630	032

13 53 34

22 Aug. 579

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Oct 25 - 1921

(a)

XII

4-:1:51 105·9

1820	76.1	
2879	709	
3588	147.0	-0.63

1086		-062
1792	706	
2818	770	
3588	1476	062

(β)

Mean = -.050

1862		
2782	920	
176	726	
892	1646	-029

=-038

1962		
2682	720	
114	830	
944	1550	.048

14:5 50

14 03 50

2298f.586

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Oct 25 – 1921 –

73

7
14 ~~8~~ 50 193.3 XVII
2722 789
189 717
906 1406 076

1968
2740 772 - 058
108 820
928 1592 040

a

2802
3588 786 mean = ~~64~~ 0.66
1069 647
1816 1433 071

2869
3564 695
1050 718 - 073
14 11:50 1768 1413 075

14 09 50
22 9 AR. 590

1921phae.proj..649C

Oct 25 - 1921 -

(a)

4 18 25 2872 XVIII

3590 718

1082 670

1752 1388 +080

2923 -081

3593 670

1056 707

1763 1377 082

(73)

128 Mean = -0.64

984 856

1996 676

2672 1532 -051

159 -048

878 719

1870 840

14 22 23 2710 1559 -046

14 20 24

22988.597

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Oct 25 - 1921 —

(B) - XIX

14 26 45

14.6		
909	763	
1945	695	
2640	145.8	-066
178		-060
898	720	
1889	799	
2688	151.9	-054

(a)

1069		Mean -069
1759	660	
2892	718	
3610	1378	0.82
1063		-0.78
1768	705	
2850	718	
14 31,00 3568	1423	073

17 45
((28 5 2
2 2 9 ff. 603

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1921phae.proj..6490

Oct 25 1921

(A) - XX

4:36 28 110.9
171 9 610
291 6 662
357 8 1272 104

1106
1698 592 103
2874 688
3562 1280 102

(B)

1926
2730 804 Mean = -078
188 720
908 1524 -053

1962 -053
2682 720
1111 801
14 40 35 912 1521 053

14 38 32
229 ff. 610

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Oct 25 = 1921 —

B.

14 50 S⁻ 1978 — XH

2658 680

196 727

923 1407 076

1940 076

2659 719

178 690

868 1409 076

a

2928 Mean = − 086

3509 581

1159 5⁻8⁻5⁻

1714 113.6 134

2986

3538 5⁻5⁻2 ~~142~~

1156 5⁻08

~~14 54 25~~ 1664 1060 157

Images not g enter; retaken below.

285.5⁻

~~14 5X 60~~ 3589 734

1117 605⁻

~~14 57 24~~ 1722 1339 090

14 54 34 2910 − 095⁻

2298.621 3599 689

1128 600 100

14.5912 1728 1289

1921phae.proj..649C

Oct 25-1921 —

~~4 56~~ | ~~a~~

a

15:01:50	2889		
	3588	699	
	1119	646	
	1759	133.9	090
			108
	2884		~~142~~
	3587	603	
	1150	566	
	1716	116.9	126
	-B-		
	13.6		
	904	76.8	-0.84
	1960	728	Mean = ~~066~~
	2688	1496	058
	212		-0.60
	900	688	
	1914	796	
15 5.55	2710	1484	061

15 3 52

~~2988.628~~

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1921phae.proj..6490

Oct 25 - 1921 -

15 20 o Ceti - 021403 Est. 8.3

S S Aurigae 060547 Est. 13.5

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1921phae.proj..649C

Wednesday Oct 26 - 1921

Lick Obs

G.M.T. 224937 — Lacaille ~~II~~ I Phot T.

(73)

11 57 10	11.2	Var. dis-	
	943	83.1	
	1916	834	
	2750	166.5	-025
	17.8		
	87.8	70.0	028
	186.2	930	
	2792	169.0	-032
	a		
	998	mean =	-038 ~~053~~
	1888	840	
	2836	786	
		1626	
	362.2		-033
	101.4		-047
	1752	738	
	2894	745	
12 1 28	3639	148.3	-061

11 59 14

22989.499

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1921phae.proj..6490

Oct 26 1921

(a)-

II

12 4 55. 101.8
1818 8.00
2870 785
3655 15.85 -041

1012
1838 826 -037
2832 801
3633 1627 -033

B

1933
2754 821 Mean = -0.26
11.8 840
958 1661 -0.26

1864
2828 964 - 015
12.2 814
12 9.30 936 1778 -0.04

14 21
(2712
22 9f 9305

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1921phae.proj..649C

Oct 26 - 1921

(73) III

12 18 54 187.4

2749 87.5

4.9 900

949 177.5 -0.05

1868

2809 941 +001

9.6 896

992 183.7 -

(a) 1763 +007

2848 Mean = - 02X

3664 816

1018 800

1818 161.6 -.035

2880 -0.48

3652 772

1068 712

1.2.23.11 1780 148.4 - 6.61

5

12202

22989.575

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1921phae.proj..6490

Oct 26 - 1921

(a)

IIII

12 28.00 2848
3648 80.0
1033 80.0
1833 160.0 −038

2820 −036
3698 87.8
1038 742
1780 1620 −034
73

~~2788~~
~~3646~~ = +0.01
1804
2850 1046
44 978
1022 2024
1576 +043
1850
2826 976 +038
1.8 1000
12 32 50 1018 1976
1624 +033

12 30 25
22909.521

1921phae.proj..649C

Oct 26 - 1921

V

-B-

12 - 40 00 1833

2792 95.9

7.2 939

1011 189.8

1702 +0.19

1843

2822 97.9 +0.28

1.1 1009

1020 198.8

a 1612 +0.36

2787

3687 90.0 Mean = −0.04

1034 740

1774 164.0 −0.30

2801 −0.36

3608 807

1043 780

12 44 27 1823 1587 −0.41

12 42 14

2289.529

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1921phae.proj. .6490

Oct 26 - 1921 —

Q -

VI

12-52:35 281.9

3609	79.0	
1043	750	
1793	154.0	— 050

284.4

3618	774	— ~~057~~ 056
1098	700	
1798	147.4	063

(13)

Mean = — 019

4.4

980	936	
1907	890	
2797	1826	
5	1774	005 -
~~19~~.7		
1027	930	+ 018
1809	989	
12-3627 2798	1959	
	1641	030

12 54 31

22909537

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Oct 26- 1921-

(73) VII

13 0.10	7.2		
	994	92.2	
	1884	900	
	2784	182.2	
		177-8	+0.54
	11.2		
	1047	935	
	1850	909	+006
	2759	1844	
	(a)	1756	+008
	100.0		
	1788	78.8	Mean = -021-
	2832	811	
	3643	1599	038
	1056		
	1782	726	-048
	2862	770	
13 4.18	3632	1496	05.8
13 2 14			
22989.543			

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1921phae.proj...6490

a.

VIII

13 13.40 112.2

1705	63.3		
2858	760		
3618	139.3	-079	
1068			-074
1806	73.8		
2854	704		
3588	1442	-069	
(23)			
1906		Mean = 049	
2758	852		
98	860		
958	171.2	- 017	
1886			
2718	832		- 024
12.2	800		
922	1632	- 032	

13 17.32

13 15 36

22989 3553

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1921phae.proj..649C

Oct 26 - 1921

~~S~~ (73) IX

13.2325 191.8
2738 820
62 896
95.8 171.6 016

191.8 026
280.2 88.4
19.8 730
928 161.4 035

(a)

Mean = − 053

2926
3594 668
1044 752
1796 1420 073

2856
3588 732
1118 620
1738 1352 087

13;2730

13 25 28

22989.559

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1921phae.proj..6490

Oct 26 - 1921.

(a) X

13.34.30 2979
3564 585
1029 729
1758 1314 -095

2920 -098
3552 632
1134 650
1784 1282 -1.02
(03)

172 -068
884 712
1882 856
2738 1568 -044

163
963 800 038
1938 825
13 38 47 2763 1625 -033

(2 3438
22989.666

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1921phae.proj..649C

Oct 26 - 1921 -

B -

XI

13 - 48 40 20.2

886	68.4		
1940	740		
2680	142.4	0.73	
134			-067
888	75.4		
~~977~~	727		
1973	148.1	061	
2700			mean = 094

a

1102			
1655	553		
2892	636		
3528	1189	-1.22	
1725			-1.20
1732	60.7		
2938	600		
3538	120.7	-118	

13: 53 10

~~Σ 2989.~~

13 50 50

Σ 2989. 577

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1921phae.proj...6490

(Q)

13 54.50	113.6			~~XII~~
	1708	57.2		
	2838	75.0		
	3588	132.2	0.93	
	1084			
	1748	66.4		-.099
	2920	60.2		
	3522	126.6	-.105	
	B			
	1984			
	2688	70.4		Mean -.074
	112	82.1		
	933	152.5	-.053	
	1886			
	2733			-.050
	~~77~~	84.7		
	172	71.0		
13 59.10	882	155.7	-.046	

13 57 00
22 09.581

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1921phae.proj..649C

Oct 26 - 1921 —

XIII

B-

14:3 15 194.4
267 0 72.6
13.8 750
88.8 1476 −0,62

197.2 −064
2712 740
19.4 710
904 1450 −067

(a)

2928 Mean −085
3548 620
1898 624
1722 1244 −110

2904 −106
3544 640
1138 640
14 7.36 1773 1280 −102

14 05 26
22989. 587

1921phae.proj...6490

Oct. 26- 1921-

XIV

a.

14:15.05 292.2
3544 622
1084 658
1742 1280 1.02

2862
3536 674 10.8
1128 548
1676 1222 1.14
(83)
186 Mean = -084-
844 658
1894 828
2722 1486 060

120 -060
912 792
1958 700
14 19.10 2658 1492 059

1617 02
2289.596

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1921phae.proj..649C

Oct 26 - 1921 -

13 -

XV

14 : 24 : 03

	18.8		
	880	69.2	
	1918	800	
	2718	1492	059
	18.2		~~069~~ 070
	928	746	
	1984	640	
	2624	138.6	080
	(a)		
	113.9		Mean = −077
	1722	583	
	2878	730	
	3608	131.3	095
	1109		−084
	1708	699	
	2944	730	
14 28 : 20	3614	1429	072

14 26 12

2989.61

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1921phae.proj..6490

22 9 91.

Friday Oct. 28, 1921

G.M.T.

L.C. Obs.

L.C. Jr. Rec.

11-30 R. Coronae 154426 est. 7.9

11-33 S.S. Cygni 213843 est. 11.7 Phot. T.

Ind. B. 224437

11-~~47~~- 194.8 Var. obs

11-39-47 269.0 74.2

11.6 ∓ 0.2

91.8 154.4 −∓0.49

197.4 75.0 −∓0.56

272.4 71.5

16.3 146.5 −∓0.64

87.8

Ind. A Mean = −0.56

286.6 74.6

361.2 76.2

104.2 150.8 −∓0.56

180.4

−0.56

286.3 ~~78~~ 77.0

363.3 74.2

103.0 ~~1~~61.2 −∓0.~~56~~ 55

11-43-59 177.2 5

11 41 59.5

2 29 59.48

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1921phae.proj..649C

Oct, 28, 1921

Phot. T

II

Ind. A

11-46-56

281.8	86.0		
367.8	74.4		
108.4	160.4	-0.37	
182.8			
		-0.55	
289.8	73.8		
363.6	68.4		
106.4	142.2	-0.73	
174.8			

Ind B

Mean = -0.46

12.4	82.5		
94.9	82.0		
195.1	164.5	-0.30	
277.1			
		-0.36	
12.2	83.0		
95.2	75.5		
198.3	158.5	-0.41	
273.8			

11-51-3

~~22~~ 17 59

11 49 00

22991.492

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1921phae.proj..6490

Oct. 28, 1921

Phot. T.

Ind. B.

12 - 4 46.

16.4	69.2	III	
86.6	82.2		
194.6	151.4	- 0.55	
276.8			
		- 0.44	
12.4	82.0		
94.4	81.0		
193.3	163.0	- 0.32	
274.3			

Ind. A

Mean = - 0.62

110.8	62.0	
172.8	79.0	
283.2	141.0	- 0.75
362.2		
		-1.79
107.4	69.4	
176.8	68.0	
291.8	137.4	- 0.83
359.8		

12 - 9 - 3

13 48

12 06 58

2299 1.505

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1921phae.proj..6490

Oct. 28, 1921.

Ind. A. Phot. T.

12-13-6

	166.8	52.8	IV
	169.6	69.6	
	286.4	122.4	-1.14
	356.0		
			-1.04
	111.8	62.4	
	174.2	69.1	
	289.2	131.5	-0.95
	358.3		

Ind. B. Mean = -0.78

	191.6	76.4	
	268.0	78.4	
	16.2	154.8	~~-0.29~~ -0.48
	94.6		
			-0.52
	195.2	75.0	
	270.2	76.0	
	15.8	151.0	-0.56
	91.8		

12-17-49

12 15 28

22991.510

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1921phae.proj..6490

Oct, 25, 1921

Ind. B.

12-24-25

197.6	71.2	
268.8	74.8	
15.2	146.0	−0.65
90.0		
		−0.58
196.8	76.0	
272.8	77.4	
13.8	153.4	−0.51
91.2		

Ind A.

Mean = −0.~~65~~70

289.2	77.6	
356.8	64.8	
111.4	142.4	−0.73
176.2		
		−0.82
289.4	69.4	
356.8	64.0	
111.8	133.4	−0.91
175.8		

12-28-40

12 26 32

22981.519

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1921phae.proj..6490

Oct. 28, 1921.

Ind. A.

VI

12-36-33

265.0	86.8	
351.8	63.8	
111.4	150.6	-0.56
175.2		
288.8	67.0	-0.75
355.8	64.8	
108.4	131.8	-0.94
173.6		

Ind. B.

Mean = -0.62

11.0	81.4	
92.4	74.2	
197.4	155.6	-0.47
271.6		
		-0.50
15.2	73.2	
88.4	78.6	
194.6	151.8	-0.54
273.2		

12-40-23

12 38 28

22991.526

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1921phae.proj..6490

Oct. 28, 1921

Ind. B.

12-41-25

	16.2	77.4	
	93.6	67.0	
	198.2	144.4	-0.69
	265.2		
			-0.65
	19.3	73.0	
	92.3	75.0	
	193.8	148.0	-0.61
	268.8.		

VII

Ind. A. Mean = -0.84

110.2	61.6	
172.8	66.8	
291.8	128.4	1.01
358.6		
		-1.02
		-0.
110.6	62.7	
173.3	64.6	
295.0	127.3	1.04
359.6		

12-45-29

(2 4) 2)

(22991.33)

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1921phae.proj..649C

Oct. 28, 1921

Ind. ct. VIII

12-52- 4

112.8	59.8	
172.6	66.8	
291.0	126.6	−1.05
357.8		
109.8	66.4	−0.01
176.2	64.2	
292.2	130.6	−0.97
356.4		

Ind. 13 Mean = −0.80

191.6	68.3	
271.9	69.7	
16.2	150.0	−0.58
85.9		
		−0.60
197.8	75.6	
273.4	72.0	
16.2	147.6	−0.62
88.2		

12-56 30

12 54 30

22991.537

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1921phae.proj..6490

Oct, 28, 1921.

Ind. B.

13-2-35

191.4	78.0		
269.4	69.0		IX
18.8	147.0	-0.63	
87.8			
		-0.62	
197.7	76.0		
273.7	72.1		
14.9	148.1	-0.61	
97.0			

Ind. A.

Mean = -0.76

246.3	74.0		
360.3	65.7		
106.4	139.7	-0.78	
172.1			
		-0.90	
290.2	63.0		
353.2	65.6		
108.2	128.6	1.01	
173.8			

13-7-17

9 52

13 04 56

S 22991.545

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1921phae.proj..649C

Oct. 28, 1921.

Ind. A.

13 -13-20

285.5	69.3	
354.8	64.8	
111.6	134.1	-0.89
176.4		
		-0.86
288.8	69.0	
357.8	67.7	
106.6	136.7	-0.84
174.3		

Ind. B. Mean = -0.70

15.8	70.5	
86.3	74.6	
192.0	145.1	-0.67
266.6		
16.2	73.2	-0.55
89.4	84.0	
192.8	157.2	-0.43

13-19-14 276.8

13 16 17

22991.553

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1921phae..proj..6490

Oct. 28, 1921.

Ind. B.

13-24-0 Clouds star gone XI

13-30- Sky all Cloudy

Thu. Nov. 4, 1921

11 00 R Cor Bor est 7.0 F.J.

Sat Nov. 5 — 1921

R. Alb.

12 00 S S Cygni 21 38 4 3 est 11.7

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1921phae.proj..649C

Thursday Nov. 10 1921

All Obs.

G.M.T.

11:52. S.S. Cygni 213843. Est. 11:3

Vesta var. dis I

12: 9 33 A 318.9

348 8 299

133 6 360

169 6 65.9 -265

314 6

349 6 350 -256

133 7 365

170 2 71.5 -246

B

Mean = -2.33

42 6

79 8 372

2-218 456

267 4 828 -2.11

38.8 -2.10

84 6 478

226 9 353

12 13,34 262 2 83.1 -2.10

12 11 34

3004. 508

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1921phae.proj..6490

-Nov. 10 - 1921-

B-

12 26.45 42.2 II

794 37.2

224.4 3.78

2622 75.0 — ~~2.38~~ 2.35

406

822 41.6 — 2.28

2238 382

2620 79.8 — 220

a.

1368

1664 296 Mean = -252

314.4 368

3512 664 — 263

1368

1698 330 — 27.5

3204 268

12 30 35 3472 598 — 287

12 28 40

3004. 520

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1921phae.proj..649C

Nov 10 1921

Dud a - III

12 43 38

139.2
1664 272
3148 360
3508 632 -274

1328
1698 370
3174 320 264
3494 690 -254

Dud 13

2273

2612 339 Mean = 2.38
376 468
844 807 -217

2192 4
2668 376
433 365
798 841 208 -181

2.12 -199

12 47 00

12 45 19

3044.531

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1921phae.proj..6490

Nov 10-1921

B

IIII

13:2:50 2238

2638 400

416 412

828 812 216

2213 209

2168 455

422 406

828 861 202

a-

3204 Mean = 245

3478 274

1374 282

1656 356 303

3152

3510 358

1369 315 281

13 5:40 1684 673 260

30

13 4 15

3004. 544

1921phae.proj..649C

Nov 10-1921

Dud a

13 16:45 3192 V

3467 275

1353 325

1678 60.0 2.86

3158

3504 346 272

1346 332

1678 678 258

Dud 73

Mean = 254

46.8

788 320

2192 444

2636 764 230

422

812 390 235

2258 344

13 20.28 2602 734 240

13 18 36

3080, 555

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1921phae.proj..6490

Nov 10 1921

Dud. B.

13 22.15 41.6 VI

833 417

2255.3 377

2630 794 221

420

806 386 225

2228 380

2608 766 230

Dud a

1388 Mean = 2.43

1674 276

3140 370

3510 646 269

1343

1676 333 261

3164 360

13 26 16 3524 693 253

13 24 16

3004. 5-5f

1921phae.proj..649C

Nov 10 - 1921

32
13 ~~35~~ 24

Dec - A -

VII

134.2
1680 338
3173 315
3488 653 267

1356 273
1658 272
3168 348
3516 620 279

Dec B
2212 Mean = 240
2676 464
450 372
822 836 209

2222.2 206
2684 462
408 396
814 858 203

13 39 8
11 32
13 35 46
3004. 567

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1921phae.proj..6490

Nov 10-1921

Lud. B

13 43.20 218.6 VIII

2652	366	
412	411	
823	777	226

2220		214
2624	404	
383	460	
843	864	201

Lud. A

3122		Mean 245
3473	351	
1374	292	
1666	643	270

3175		276
3488	313	
1367	306	
1667	613	281

13 46.08

9 20

13 44 44

3004.573

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1921phae.proj..649C

Nov 10 - 1921 -

Ind a - IX

13 : 54 : 6

3173		
3304	331	
1379	299	
1678	630	-275
3166		
3523	357	-265
1348	330	
1678	687	-255

Ind B Mean = -2,38

421		
841	420	
2248	384	
2632	804	-218
440		
824	384	-212
2188	460	
2648	844	207

13 57 45

11 51

13 55 56

3004.581

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1921phae.proj...6490

Nov 10-1921-

-Ind. B-

X

14-11.40

438
843 410
2238 416
2654 826 -212

434
824 390 -213
2211.4 428
2642 818

-214

-Ind A-

Mean = 241

1360
1709 346
3162 301
3463 647 -269

1360 -269
1679 319
1450 3179 328
2630 3507 647 -269

14 13 15
3004.092

1921phae.proj..649C

Nov 10 1921 -

Dud A - XI

14-20.20

137.2		
169.3	321	
3143	355	
3498	676	-25.9
134.4		
1684	340	-265
3186	300	
3486	640	-271

Dud - B Mean = -242

2238		
2643	405	
433	422	
85.5	827	-212
2228		
2648	420	-218
433	360	
793	780	-225

14 23.50

14 21 05

300d.598

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1921phae.proj...6490

Apr 10 1921 –

Sud. B.

14-34:00 2244 XII

2608 364

431 383

814 747 ~~338~~ -236

2223

265·8 435 -218

41.1 428

839 863 -201

Sud -a

3188

3460 272 Mean = -248

1362 327

1689 5·99 -286

3164 -278

3306 342

14 3745 1369 299

11 vs 1668 641 -271

14 35 52

3604.608

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1921phae.proj..649C

-Nov 10-1921

-Dra a-

XIII

14-45-10 317.2

3484	312		
1948	324		
1672	636	-273	
3122			
3512	390		268
1394	270		
1664	660	264	

Dra B. Mean = 247

438			
836	398		~~226~~
2244	410		
2654	808	217	
448			
818	370	-226	
2242	374		
14 4858 2616	744	296	

14 4788
3004.610

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1921phae.proj...6490

Dud B.

XIV

14 54.40	44.8		
	812	364	
	224.0	382	
	2622	746	−236
	412		
	804	392	−228
	2229	409	
	2638	801	−219
	Dud 8		
	1374		
	2679	305	Mean = −2.47
	3156	330	
	3486	635	−273
	1347		
	1687	340	−268
	3182	322	
14 59.0	3504	662	−264
13 40			
14 56 50			

3004.623

1921phae.proj..649C

Nov, 10-1921

XV

15:8,10

Lad a

1356		
1676	320	
3168	336	
3504	656	266
1355		
1672	317	268
3182	329	
3511	646	269

Lad B-

2238		Mean = 2.52
2644	406	
438	364	
802	770	228
2242		
2609	367	236
448	356	
804	723	243

15 11 45

19 51

15 09 58

7004.632

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1921phae.proj..6490

Nov 16 - 1921

Dod B.

15-19:10 226.2 XVI

263.4 372

434 389

828 761 - 231

222.2

265.2 430 - 226

438 366

804 796 - 221

Dod a.

3169 Mean = -2.4.2

3472 308

135.6 338

1694 646 - 271

3132

3528 396 - 257

1362 326

15 22:35 1688 722 - 243.

41 45

1- 20 3-2

3004. 641

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1921phae.proj..649C

Nov 10-1921

Ind A

15 130.25 316 2 — XVII

351 2 — 350

1376 — 301

1677 — 631 — −267

3160

3528 — 368 — −262

1356 — 312

1668 — 680 — −257

Ind B. — Mean = 238

437 — 391

828 — 433

222,2 — 824 — −212

2655

432 — −214

818 — 386

2238 — 426

15 3400 2624 — 812 — −216

15 32 12

3004. 647

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1921phae.proj...649C

Nov 10 1921

XVIII

Dud B.

15 40 10	390		
	836	446	
	2234	412	
	2646	858	−203
	434		
	798	364	212
	2218	434	
	2652	798	−220

Dud-A

	1377		
	1698	321	Mean = −242
	3162	322	
	3484	643	−270
	1364		
	1662	298	−271
	3158	340	
15 43 45	3498	638	−272

15 41 58

3004.65 K

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1921phae.proj..649C

Nov. 10 - 1921 →

Dud a

15: 49 55 1940

1688 348

3178 305

3488 653 -267

1352

1688 336 -263

3155 340

3495 676 -259

Dud B-

2232 Mean = -248

2638 406

468 378

846 784 -224

2255

2612 357

462 364 -234

15 53 30 826 721 -244

15 51 42

3004 661

15 56 S S Cygni est 11.2 2138+43

1921phae.proj..6490

Tues. Nov. 15, 1921. Phot T

G.M.T.
L.C. Obs.

L.C.J.

12-10

T. S. Cygni 21 30 43 est. 11.3
R. Coronae 15 44 28 est 6.4 I
(obs. difficult in haze and moonlight) F.G.

Vesta

Ind. A B. Vesta dis.

12-20-15

50.0	85.5	
135.5	81.4	
232.0	166.9	= −0.25
313.4		
		−0.40
52.2	75.2	
127.4	75.6	
234.2	150.8	= −0.56
309.8		

Ind. B. A Mean = −0.85

147.2	75.5	
222.7	89.9	
316.7	165.4	−0.28
406.6		
141.6	83.9	−0.30
225.5	78.7	
323.3	162.6	−0.33
402.0		

12-24-12

12 22 14

3009.515

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1921phae.proj..649C

Nov. 15, 1921.

Ind. A.

12-25-25

140.6	78.7	II
219.3	83.4	
323.0	162.1	= −0.34
406.4		

−0.28

142.2	84.0	
226.2	84.8	
320.0	168.8	−0.21
404.8		

Ind B.

Mean = −0.19

238.8	82.4	
311.2	90.2	
47.4	172.6	= −0.14
137.6		

0.10

226.8	92.8	
319.6	84.2	
48.6	177.0	= −0.06
132.8		

12-29-10

12 27 18

309.519

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1921phae.proj..6490

Nov. 15, 1921.

Ind. B.

12-30-25

230.4	∂ 2.8	III	
313.6	92.4		
45.2	175.2	= −0.09	
137.6			
		− 0.10	
228.6	∂ 5.8		
313.4	∂∂.3		
45.7	174.1	= −0.11	
134.0			

Ind. ct. Mean = −0.23

328.2	75.2		
403.4	∂ 0.3		
145.9	155.5	= −0.47	
226.2			
			−0.36
317.4	∂ 9.4		
406.8	77.4		
146.2	166.8	− 0.25	
223.6			

12-34-40

12 32 32

3009.523

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1921phae.proj..649C

Nov. 15, 1921

Ind. Cl.

12-41-32

326.2	86.6	IV
402.8	80.6	
141.6	167.2	−0.24
222.2		
		−0.27
319.2	85.6	
404.8	78.4	
144.2	164.0	−0.30
222.6		

Ind. B. Mean −0.20

50.0	44.4	
134.4	94.8	
225.4	179.2	−0.02
320.2		
		0.13
45.4	96.8	
142.2	70.7	
239.0	167.5	−0.24
309.7		

12-45-10

12 43 21

3009.530

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1921phae.proj..6490

Nov. 16. 1921.

Ind. B.

12 - 46 - 45

50.8	86.6	V
137.4	93.4	
226.2	180.0	0.000
319.6	~~+170.0~~	

-0.02

44.3	97.9	
142.2	74.2	
233.2	172.1	-0.13
307.4		

Ind. ct. Mean = -0.18

151.2	72.0	
223.2	90.1	
317.2	162.1	-0.34
407.3		

-0.29

141.2	88.6	
229.8	78.7	
323.7	167.3	-0.24
402.4		

12 - 50 - 40

12 of 42

3009.534

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1921phae.proj..649C

Nov. 15, 1921

Ind. A.

12 -53.-46	146.4	85.8	VI
	222.2	86.6	
	319.2	172.4	− 0.14
	405.8		
			− 0.27
	141.2	81.0	
	222.2	78.0	
	322.0	159.0	− 0.60
	400.0		

Ind. B. Mean = − 0.14

	227.2	83.4	
	310.6	93.2	
	47.2	176.6	− 0.06
	140.4		
			000
	226.9	91.3	
	318.2	91.4	
	46.0	182.7	+ 0.03
12 -57-55	139.4	177.3	

12 55 50

3009.559

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1921phae.proj..6490

Nov. 15, 1971.

Ind. B.

VII

13 -4 -20

229.4	86.8	
316.6	84.6	
47.0	181.4	
131.6	+178.6	+0.03
234.8	80.6	-0.04
315.4	93.0	
45.8	173.6	-0.12
138.8		

Ind. cf.

Mean = -0.17

316.8	86.8	
403.6	74.6	
148.6	161.4	-0.35
223.2		
325.8	79.4	-0.30
405.2	86.8	
140.0	166.2	-0.26
226.8		

13-7-50

12 10

13 6 05

3009.546

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Nov. 15, 1921.

3-16-47

Ind. A.

325.5	89.3	VII
404.8	77.6	
144.2	166.9	−0.25
221.8		44
		−0.50
327.8	72.2	
400.0	79.2	
144.4	151.4	−0.55
223.6		

Ind. B. Mean = −0.35

45.6	91.6	
137.2	76.0	
237.4	167.6	−0.24
313.4		
		−0.20
50.0	82.6	
132.6	88.6	
226.9	171.2	−0.17
315.5		

13-19-50

13 18 18
3009.554

1921phae.proj..6490

Nov. 15, 1921

Ind. B.

VIII

13-26-20

47.7	89.5	
137.2	84.0	
230.4	173.5	−0.12
314.4		
		−0.10
47.4	86.9	
134.3	88.4	
228.8	175.3	−0.09
317.2		
Ind. at		Mean = −0.30
139.6	76.2	
215.8	74.9	
326.8	151.1	−0.55
401.7		
		−0.50
148.9	69.7	
218.6	87.2	
320.2	156.9	−0.44
407.4		

13-29-50

13 2f 05

3009 05

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Nov. 15, 1921

Ind. A.

13-36-47 141.1 IX

222.2 811

324.4 818

405.2 1629 032

149.6

219.8 802 - 042

319.7 833

403.0 1535 051

Mean = −0.2

Ind B.

~~316.4~~

49.2

138.4 892

231.2 828

313.0 1720 - 01

46.6 86.2 .01

134.8 890

228.4 1752 - 0.09

13-40-34 317.4

13 38 40

300.569

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Apr 15 - 1921

Dud B. X

13·46·30 47.4
1398 924
230.4 833
3137 1757 -0.08

51.2 -008
1355 843
226.8 906
3174 1749 009

- Dud a -
1420 Mean -0.28
2249 829
3237 761
3998 1590 -040

1492
2189 697 -047
3232 832
13 50·03 4064 1529 -054

13 ∞ 26

3009.575

1921phae.proj..649C

Aug 15-1921

Sud. a

XI

13- 53.18 146.4

222.4	760	
3262	727	
3989	1487	-0.60

1471		
2188	717	-058
3243	793	
4036	1510	-056

Sud B.

Mean = -084

~~3172~~

448		
1384	936	
2348	836	
3174	1772	-005

512		-010
1330	818	
2282	898	
13 53 32 3180	1716	-016

13 55 25

3009.580

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Aor. 15 - 1921 -

Dud 73 - XII.

14-1:12

	454		
	1410	956	
	2323	841	
	3164	1797	-001
	498		
	1402	904	+0.06
	2249	968	
	3217	1872	
		1728	+ 0.14 -

Dud - a.

Mean = -0.14

	1434		
	2234	800	
	3255	789	
	4044	1589	-040
	1448		-.034
	2224	776	
	3188	876	
14420	4064	1652	- 028

14 or 42

3 obs. sts

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Nov. 15 1921

-Decl 9-

XIII

14:11:02. 147.7
2214 737
3244 ~~8~~772
4016 1509 -056

1455
2196 741 -049
3214 838
4052 1579 -042

Decl 03.

2263 Mean = 028
3146 883
482 876
1358 1759 -008

2341 -008
3178 837
498 912
1410 1749 -009

14 14:20
5 22

14 12 41
309.592

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1921phae.proj..6490

Apr. 15 - 1921. ——

Dec 73

14 16 38	2314			XIV
	3162	848		
	488	876		
	1364	1724		-014
	2322			
	3194	872		-004
	448	956		
	1404	1828		
		1772		+ 005
	Dec 9-			
	1432			
	2214	782		mean = -030
	3234	768		
	4002	1550		-048
	1512			056
	2208	696		
20	2238	778		
14 19 30	4016	1474		-063

14 18 40

30 09.59 7

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Nov. 15 1921.

Ind A XV

14:27:28	145.0		
	2226	77.0	
	3236	802	
	4038	1572	-0.43
	146.8		040
	2249	781	
	3214	820	
	4034	1601	-038
	Ind B		
	2298		Mean = 026
	3172	874	
	320	788	
	1308	1662	026
	2328		
	3154	826	-013
	438	974	
14 31.00	1412	1800	
		1799	000

14 29 14

3009.63

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Apr 15 - 1921 -

Lud 82 -

XVI

14: 40 10 145.9

2329	870	
3220	888	
4108	1758	-008

1492		
2320	828	022
3294	784	
4078	1612	-036

- Lud 2

2394		Mean = 032
3134	740	
066	808	
1374	1548	048

2382		-043
3204	822	
074	781	
14 4345 1355	1603	038

3 55

14 41 sp

3609.612

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Nov. 15 - 1921

Aug Q

XVII

14 50 40 2430

3164	734	
548	860	
1408	1594	-039

2348

3212	864	-033
608	791	
1399	1655	027

Aug B.

3218 Mean = -027

4062	844	
1464	888	
2352	1732	013

3264 0.21

4116	852	
1492	797	
2289	1649	-029 ~~021~~

14 54 10

14 52 25

3009.619

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Aor 15 - 1921 -

Ded 78 - XVIII

15 : 0.88

3223		
4074	851	
1470	878	
2348	1729	-013
3267		
4102	835	-026
1532	746	
2278	1581	-042

Ded A -

Mean = -0.33

~~3663~~		
2461	899	
3196	~~928~~	735
~~4124~~	827	882
524		1617 -0.30
1406		
2378	~~72~~	-0.60
3146	768	=
15 04 30 600	592	
1392	1560	-056
15 02 34		
3009.62		

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Nov. 15 - 1921 -

Ind A

15: 10:10

241.2			
3144	73.2		
548	871		
1419	1603	-038	
2344		-040	
3210	86.6		
604	712		
1316	1578	042	

Ind B

3266		Mean = 035 (6)	
4056	790		
1472	828		
2300	1618	035	
3268			
~~570~~		-031	
4100	832		
1614	824		
2338	1656	027	

15 1330

23 60

15 11 50

3009. 613

15,16 = ? ff Cygni 213843 Est 11.4

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