

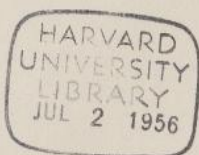
KG
11365
650

VAR. STAR
OBSERVATIONS.
JAN. - MAR.

1922

11G 11365.650

KG 11365: 650



Wednesday Jan 25 1922
12. Polar

LCObo

Rec F.T.C

12:18. S S Augar Est. 11:3

Eunomia (15) Comp. with #7.1 of Phot T. /
Died B. Reson Seq. Y

12:29:00 1922 Comp * dis
240 2 480
123 463
586 943 +1.80

1936 +1.73
246 4 528
156 472
628 1000 +1.66

Died a Mean +1.52
2828
3320 490
964 608
1572 1098 +1.42

12:30:28 2777 +1.32
3452 675
1016 506
1522 1181 +1.23

12:30:44 12:28:14 519

Jan 25 1922

Ind A

II

12 34:38	2836		
	3355	519	
	1028	520	
	1548	<u>1039</u>	+1.56

2866		+1.76
3308	442	
1038	446	
1484	<u>88.8</u>	+1.95

Ind B.

Mean = +1.70

8.6		
633	547	
1963	469	
2432	<u>1016</u>	+1.62

84		+1.64
628	544	
1972	456	
2428	<u>1000</u>	+1.66

12 37:50

12 36 09

12 33 39
524

✓

Jan 25 1922

3

~~III~~

12 41.35 *Dud B*

11.2		
64.6	534	
194.3	475	
2418	<u>1009</u>	+1.63

11.6		+1.61
63.8	52.2	
1934	504	
2438	<u>1026</u>	+1.59

Dud A

Mean = +1.64

980		
1528	548	
2838	480	
3318	<u>1028</u>	+1.59

1052		+1.66
------	--	-------

1542	490	
------	-----	--

2824	482	
------	-----	--

12:45.36	3306	972	+1.73
----------	------	-----	-------

12 43 36

12 41 06

.528

✓

Jan 25 - 1922

Sud A

4

12:51:15	98.5		
	1572	587	
	2772	564	
	3336	<u>1151</u>	+130

980		+136
1606	626	
2818	468	
3286	<u>1094</u>	+1.43

Sud B.

Mean = +16.2

1959		
2388	429	
9.4	494	
588	<u>923</u>	+185

1918		+1.89
2362	744	

12 54 42	12.6	450	
	576	<u>794</u>	+1.21
		894	+1.93

12 53 00

12 51 30

536

J

Jan 25 1922

Ind B 3

13:1:15 194.4

241.4	4.70	
9.0	516	
606	<u>986</u>	+1.69

1955		+1.69
2438	483	
8.0	504	
584	<u>987</u>	+1.69

Ind A. Mean = +152

2812		
3342	530	
966	570	
1536	<u>1100</u>	142

2798		
3374	576	1.34
942	600	
135.0 1342	<u>1176</u>	+1.25
133.02		
1300.542		

13 00 ~~13 o'clock~~. O's watch = 2.30 seconds
fast by bell.

6

Jan 25-1922

13:10:5	Ind a			<u><u>6</u></u>
	2766			
	3355	589		
	98.8	496		
	1484	1085	+1.45	

2822			+1.43
3364	542		
9.94	561		
1555	1103	1.41	

Ind B.			Mean = +1.42
40			
655	615		
1878	522		
2390	1137	+1.33	

	69		
	619	550	
	1894	520	+1.41
13 13 30	2414	1070	+1.49

13 11 44

13 09 14

1550

✓

Jan 25 - 1922.

7

7

45- Ind B
13.17.2

6.0
555- 595-
189.8 524
2422 111.9

+1.37

78
632 554
189.4 590
2484 1144

+1.34

+1.32

Ind A.

Mean = + 136

1002
1522 520
2748 600
3348 1120

+1.37

980
1516 536
2784 580
3364 111.6

+1.38

+1.38

13:21:3
13 19 24
13 16 54
553

Jan 25. 1922

13:26 45⁰⁰ Sub A.
 948
 1548 600
 2798 535⁰⁰
 3333 1135⁰⁰ +134

 96.6 +132
 1564 598
 2798 555⁰⁰
 3353 1153⁰⁰ +130

Sub B Mean = +145⁰⁰
 1892
 2418 526
 10.6 302
 608 1028 +159

 189.4 +158
 2444 550
 12.0 488
 60.8 1038 +156

13 30 15⁰⁰
 13 28 30⁰⁰
 13 26 00⁰⁰
 559

✓

Jan 25 1922

1
9

13:2430 *Ind B*
 1886
 2416 530
 9.8 514
 612 1044 +1.55

1862
 2476 614 +1.42
 9.8 342
 640 1156 +1.29

Ind A. Mean = 140
 2812
 3338 526
 922 633
 1555 1159 +1.28

2790 +1.39
 3314 524
 986 540
 13 3822 1526 1064 150
13 36 31
 13 34 01
 .565

Jan 25 1922

13: 46:18 ⁷ Ind A 10
 2762
 3398 636
 918 624
 1542 1260 +106

2766
 3388 622 +110
 938 600
 1538 1222 +114

Ind B Mean = +1.42
 106
 548 442
 1900 462
 2362 904 +190

114 +175
 560 446
 1877 539
 2416 985 +169

13: 51:30
 13 49 24
 13 46 54
 574

✓

Jan 25 - 1922

13 54.50 *ded B*
 3.6
 598 562
 1894 506
 2400 1068 +1.49

12.2 +1.48
 609 487
 1914 480
 2394 967 +1.47

ded a. Mean = +1.47

955
 1533 578
 2763 575
 3338 1153 +1.30

994 +1.46
 1499 505
 281.0 504
 3314 1009 +1.63

13 58.25
 13 56 34
 13 54 04
 579

Jan 25 - 1922

Ind A

14:3:20

92.8

1533

605-

276.2

568

3330

117.3

+125

12

939

+134

1322

583

2804

510

3314

1093

+143

Ind B

Mean +147

1912

2412

500

5.3

543

396

1043

+155

1978

+160

2413

535-

97

467

146 45

56.4

1002

+165

14 05 02

14 02 42

585

✓

Jan 25 - 1922

13

14:12 10 Ind B.
 186.6
 2428 562
 10.2 461
 363 1023 +1.60

187.8
 2398 520 +158
 5.9 317
 362 1037 +1.57

Ind A Mean = +1.60
 2792
 3296 504
 944 370
 1514 1074 +1.48

2766 +1.61
 3288 522
 1010 444
 1454 9.66 +1.74
 14:15 50
14 1400
 14 11 30
 .592

Jan 25 1922

Sud A

14

14:23:10

2750

3318

980

1538

568

558

1126

+136

2760

3296

950

1516

536

566

1102

+138

+141

Sud B.

Mean = +158

98

580

1862

2383

482

521

1003

+165

10.9

564

1898

2348

455

450

905

+17.8

+190

14 26 55

14 25 02

14 22 32

.899

✓

Jan 25 = 1922

$$\begin{array}{r} \text{---} \\ 15 \\ \text{---} \end{array}$$

Ind B.

$$\begin{array}{r} 143135 \quad 4.8 \\ 384 \quad 536 \\ 1922 \quad 41.6 \\ \hline 2338 \quad 952 \quad +1.78 \end{array}$$

$$\begin{array}{r} 88 \quad +1.84 \\ 362 \quad 474 \\ 1904 \quad 426 \\ \hline 3330 \quad 900 \quad +1.91 \end{array}$$

Ind A.

Mean = +170

$$\begin{array}{r} 960 \\ 1462 \quad 502 \\ 2774 \quad 318 \\ \hline 3292 \quad 1020 \quad +1.61 \end{array}$$

+1.55

$$\begin{array}{r} 926 \\ 1476 \quad 550 \\ 2780 \quad 520 \\ \hline 14.3528 \quad 3300 \quad 1070 \quad +1.49 \end{array}$$

14 33 32

14 31 02

605

Jan 25 1922

14 43 35 Ind A
 89.0
 151 4
 281 6
 322 8
 624
 412
 1036 +157

16

998
 1422
 277 4
 3298
 424
 524
 948 +1.79
 +168

Ind B. Mean = +176
 1902
 2320
 7.8
 582
 418
 504
 922 +186

14 47 5
 1900
 2372
 7.8
~~488~~
 348
 472
 470
 942 +180
 +183

14 45 26
 14 42 50
 613
 ✓

Jan 25 1922.

Ind B.

14 49:40	188.8		
	2352	464	
	8.2	446	
	528	<u>910</u>	1.89

17

1902		+1.89
2355	453	
10.2	456	
558	<u>909</u>	+1.89

Ind A.

Mean = + 168

2772		
3276	504	
983	<u>535</u>	
1518	1039	+1.56

2722		+1.48
------	--	-------

3298	576	
------	-----	--

929	526	
-----	-----	--

14 53:23	1455	<u>1102</u>	+1.41
----------	------	-------------	-------

100 51 32

14 49 02

617

Thursday Jan 26-1922

12' Polar

JH Rec

Hobbs

11:24. SS Agui 213843 Est 11.4

11:26 SS Aurigae 060547 Est 11.6

11:26. Olet's Star nearby Est. 9.4

0 Ceti 021403 ~~Est~~ Phot R.11:44:45 ~~3312~~ ^{comp} ~~dis~~ _{var} ~~dis~~

618

1502

2442

3362

884

920

180.4

179.6

+ 001

660

1533

2362

3348

873

986

1859

1741

+ 011

+ 006

Det A.

3318

4298

1552

2417

980

865

1845

1755

+ 008

mean = +010

919

9.29

3313

678

1462

2402

965

940

1905

1695

+ 020

+ 014

(Est on 0 Ceti 9.2 =
Comp*)

50.23081491

11 50 00

11 47 22

Friday Jan 27 - 1922
12^h Polar

F76 Rec

L6 Obs.

11 47 SS Cygni 213843 Est 11:5

11 49 SS Aurigae 060547 Est. 11.9.

11:52 Oleotto Star nearby Est. 9.5

Eunomia ~~Vesta~~ Compared with 7.18 other night
Ind B Comp * dis I

12: 1.25 103 6

152 2

281 0

3240

486

430

916

215

+187

960

1498

2822

3268

538

446

984

+177

+167

Ind A

Mean = +1.72

1911

2396

7.2

394

485

522

1007

+164

1912

2426

110

386

514

476

990

+1.66

+168

J.D. .501

12.4.45

12 6 10

12 3 5

Jan 27 - 1922

12 740	Ind A		II
	192.2		
	2418	49.6	
	138	412	
	550	<u>908</u>	+1.89

	192.0		+190
	2356	436	
	10.2	464	
	366	<u>90.0</u>	+191

	Ind B		Mean = 2.06
	2848		
	3233	385	
	1044	382	
	1426	<u>7.67</u>	+2.29

	2842		2.22
	3233	391	
	1022	426	
12 10 50	1448	<u>817</u>	+214

12 17 90

12 8 15

Above group considered doubtful.

Stars probably out of center.

JD. 2305250

Jan 27- 1922

Ind B

III

12 12 20 283.3

3272

988

1502

439

514

953

+1.77

~~2808~~

3302

980

1474

494

494

988

+1.73

+1.69

Ind A

Mean = +1.78

136

322

1863

2402

386

539

925

+1.85

58

332

1922

12:15:20 2378

494

451

945

+1.82

+1.80

12 13 50

23082.510

Jan 27 1922

12 18 30 *Ind A* IV

	9.8		
	588	4.90	
	1925	469	
	2394	<u>959</u>	+1.76

	11 2		+1.78
	59 8	486	
	191.2	462	
	2374	<u>948</u>	+1.79

Ind B Mean ± 1.83

	98 3		
	1438	455	
	2804	430	
	3234	<u>885</u>	+1.95

	98 7		+1.88
	1486	499	
	2794	446	
12 21:05	3240	<u>945</u>	+1.80

~~12 39 35~~

12 19 42

23082.514

✓

Jan 27 - 1922

Ind B.

V

12:2725

98.2

1312

~~1630~~

2800

330

3257

457

987

+169

994

+160

1449

455

2848

600

3248

1055

+152

Ind A.

Mean = +174

1922

2346

424

78

474

352

898

+192

1922

+187

2387

465

88

470

12 3030

558

935

+182

12 575512 2358

.317

Jan 27 - 1922

Ind A.

VI

12.33.00

191.6

238.4

46.8

12.2

427

549

895

193

+192

1930

232.4

39.4

7.4

505

+192

379

899

Ind B.

Mean = +1.87

~~324.4~~

99.2

74.8

146.2

47.0

278.4

46.8

93.8

+1.82

$$\begin{array}{r} 325.2 \\ \hline 96.3 \end{array}$$

+1.82

143.2

46.9

12 36 20

281.2

45.9

12 69 20

321.3

92.8

+ 1.84

327.1

12 34 40

.524

Jan 27 1922

Ind B.

H

12 4245 101.0

1436

426

2736

508

3244

934

+1.82

982

1806

524

+1.82

2783

415

3198

939

1.81

Ind a

Mean = +18.6

1930

2368

55

335

438

500

~~1238~~

938

+1.81

1922

2350

104

428

440

868

190

12 4620

344

200

12 4432

1.531

Jan 27- 1922

Ind A.

12:50:00

192.2

233.8

9.8

510

416

412

828

+2.11

VII

1872

2338

56

498

466

442

90.8

+2.00

+1.89

Ind B

mean 185

2784

3254

994

1465

470

471

94.1

+1.81

2722

3252

958

1459

530

501

1031

170

158

12 53:50

12 103 50

12 56 55

✓

Monday Jan 30 - 1922

12. Place

Lb Obs.

F. T. C. Pe

11:50 S. Cygni 213843 Est 8.4
observed in 6 in. telescope @ 11:50

13:25 SS Cygni 060547 Est. 13.0 @ 13:25

13:28 U. Gem. 074922 Est 13.4

Eunomia ~~Vesta~~ (compared with * 6 h 49^m + 23^o 7^m 1855⁻
Dud A. asteroid precedes comp* slightly and is North)

13:44.10 186.6
2496 630
12.4 464
588 1094 +1.43

1926 +1.32
238.4 458
3360 732
4272 119.0 +1.21

Dud B Mean = +1.38

2738
3368 630
1020 479
1499 1109 +1.40

2838 +1.43

3273 455⁻
933 626

13 47.35 1539 1081 +1.46

10 45.48

Jan 30 1922

13:51.20 Ind B. //

2766		
3546	78.0	
98.7	5.20	
1577	<u>130.0</u>	+0.98

2800		
3284	484	+1.22
974	<u>598</u>	
1572	1082	+1.46

Ind a. Mean = +73.9

3.6		
642	606	
190.0	<u>436</u>	
2356	1062	+1.51

132		+1.56
338	406	
1822	<u>614</u>	
2436	1020	+1.61

13:55.8
13 106 28

13 53 14

.528

✓

Jan 30 - 1922

13:58:23 Ind A
 00
 658 6.58
 189.0 508
 2398 1166 +1,27

98 +1,28
 602 504
 181.6 650
 2466 1154 +1,29

Ind B Mean = +1,38
 950
 1332 602
 2804 468
 3272 1070 +1,49

998 147
 1498 500
 2728 386
 14:2:25 3314 1086 145
 14 0 24

.583

Jan. 30 1922

Jud B.

14 7.10

996

1520

2784

3274

524

490

1014

+162

III

992

1477

2760

3320

485

560

1045

+1.58

+1.55

Jud a

1836

2432

36

540

596

504

1100

Mean = +1.46

+1.42

1882

2374

3582

4252

492

670

1162

+1.35

+1.28

14:11:20

14 9 15

.590

✓

Jan 20 1922

14:1730 *Star A:*
 1810
 2459
 59
 578
 649
 519
 1168
 +1.26

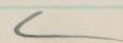


1855-
 2384
 3582
 4258
 529
 676
 1205-
 +1.22
 +1.18

Star B.
 2667
 3303
 992
 1472
 636
 480
 1116
 Mean = +1.30
 .138

2758
 3266
 920
 14:21:40 1023
 508
 603
 111.1
 138
 139

14 19 35



Jan 30 1922

14:27 53

Ind B.

2730

3286

949

1496

556

547

110.3

1,41

VII

2752

3256

910

1544

504

634

113.8

+1.37

+1.33

Ind A.

3580

4204

1806

2316

624

560

118.4

Mean = 12.6

+123

3596

4196

1747

2417

600

670

127.0

104

088 104

14:31.40

1429 48

.604

✓

Jan 30 1922

14:44:00	Ind A		
	3550		
	4255	705	
	1786	596	
	2382	<u>1301</u>	+098

VII

	20		
	608	588	
	1714	766	
	2480	<u>1354</u>	+0.87

$$\begin{array}{r} 092 \\ \hline 098 \end{array}$$

	Ind B.		Mean = 1.03
	877		
	1317	640	
	2740	526	
	3266	<u>1166</u>	+1.27

	922		+1.14
	1482	540	
	2650	722	
14 48 n	3372	<u>1982</u>	+1.02
<u>1446</u>			

.618

✓

✓

Jan 30 1922

14:58:15

Ind B

882

165.6

2740

325.8

674

518

119.2

+1.21

1111

94.8

149.2

2690

3338

644

648

119.2

+1.21

+1.21

Ind A

1766

2416

0.1

381

650

580

1230

Mean +1.16

+1.13

1826

2386

3566

4268

560

702

1262

+1.10

+1.06

15 01.50

15 0.2

625

Jan. 30 - 1922

15 4:30

Sub A.		
1742		
2467	725	
3366	618	
4584	1343	+0.89

1851		+1.10
2392	541	
3398	606	
4204	1147	+1.31

Sub B.

2733		mean +1.20
3246	513	
922	560	
1482	1073	+1.48

+1.30

2707		
3251	544	
888	692	
15:8:30	1236	+1.11
15 6 30		

Jan 30 1922

15 12:10	Ind B		
	2678		
	3274	596	
	933	527	
	1460	<u>1123</u>	+136

2710		
3300	590	+120
896	680	
1576	<u>1270</u>	+104

Ind A		Mean +107
3550		
4242	692	
1757	625	
2382	<u>1317</u>	+094

3576		+094
4220	644	
1758	674	
2432	<u>1318</u>	+094

15-16:00
15 14 5

.635

V

Jan. 30 - 1922

37

15:1930 *Ind B*
 357.2
 421.6
 182.6
 235.7
 644
 531
 1175
 +1.25

XI

3586
 4176
 1748
 2452
 590
 704
 1294
 +1.12
 099

Ind B. Mean = + 112

870
 1362
 2736
 3243
 692
 507
 1199
 1.19

920
 1522
 2664
 15 23.30 3322
 15 21 30
 602
 658
 1260
 112
 106

✓

Jan 30 1922

152658
 89.6
 1526
 2737
 3276

630
 439
 1069

+149

XII

902
 1506
 2702
 3302

604
 600
 1204

+134
 +118

Ans a

1798
 2392
 3562
 4191

594
 629
 1223

Mean = + 126
 114

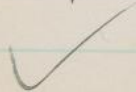
1530
 152830
 152844

1840
 2384
 3558
 4208

544
 650
 1194

118
 121

.645



D 3088

Thursday Feb. 2 1922.

L. C. obs.	S. S. Cygni 213843	6" H. eq.	F. J. B. Rec.
11.42	Est 8.4		
	12" Polar.		
11.51	X Androm. 001046	Est 10.8	
X:	Androm. 001726	Est 11.5	
	ET Cassiop. 001755	Est. 8.8	
	S Ceti <u>001909</u>	Est. 8.0	
	R Androm. 001838	Est. 7.5	
	U Cassiop. 004047	Est. 13.2	
	Z Ceti <u>010102</u>	Est 12.8 very difficult	
	U Androm. 010940	Est <u>12.8</u>	
	R Z Persei 012350	Est. 9.7	
	U Persei 015354	Est. 8.2	
	R Arietis 021024	Est - 11.9	
	W. Androm 021143a	Est 12.3	
	⊙ Ceti 021403	Est. 9.0	
	S Persei 021558	Est. 9.0	



Feb. 2 - 1922

R Ceti. 022000 Est 11.8

R R Persei 022150 Est. 9.1

U Ceti 022813 Est 9.8

12:40 R Trianguli 023133 Est 6.8 Quite bright

14:18 S S Aurigae 060547 Est. 13.0
Oleoth's Star nearby - " 9.6

W. Persei 024356 Est 8.5

U Arietis 030514 Est 13.0

X Ceti 031401 Est 8.6

Y Persei 032043 Est 8.9

Nova Persei 02 032343 Est 12.5

R Persei 032335 Est 9.2

L. Larii 041619 Est. 10.8

Q Larii 042209 Est 12.8 Var certainly
seen

Feb. 2 - 1922.

S Tauri 042309 Est 13.2

W. Tauri 042215 Est. 9.7

P Tauri 043208 Est. 11.9

V Tauri 044617 Est. 10.8

P Orionis 045307 Est. 11.9

P Leporis 045514 Est - Too far west.

V Orionis 050003 Est 9.9

P Aurigae 050953 Est 12.6

S Aurigae 052034 Est 9.5

W Aurigae 052036 Est - 13.0

15:00 S Orionis 052404 Est - 13.0J Orionis 053005 Est 10.7

P Tauri 053336 Est 12.8

W Aurigae 053531 Est - 13.2

Feb 2 - 1922

15-15

J Tauri 054615a Est - 2

Abandoned

Wednesday Feb 8-1922

12" Olden

LC Obs.

F. G. B. Rec.

Ind B, W. Ursa Maj 093556.
 12:1520 2.4 Comp* dis.

36.4	540	
186 0	536	
239 6	107 6	+ 1.47

82		1.46
574	49.2	
1824	59 8	
2422	109 0	+ 1.44

Ind A

Mean = +1.16
 $\frac{667}{723}$

820		
1576	75.6	
2658	675	
3333	1431	+ 101 + 0.71

893		
1536	643	+ 0.86
2672	642	
3317	1285	+ 101

2

1850

15 10

12 1) 05
 2 28

12 14 37
 3094.580
 414
 .096

Feb. 8 - 1922

12.21.00 Ind A

858	
1555	697
2684	620
3304	<u>1317</u>

+0.94

880	
1544	664
2682	606
3288	<u>1270</u>

+0.99

+1.04

Ind B.

1840	
2366	526
2.3	549
37.2	<u>1075</u>

+1.48

Mean = +1.24

667
<u>791</u>

1848	
2361	513
3374	548
4122	<u>1061</u>

+1.51

+1.30

12 24 20

5 20

12 22 40

2 28

12 20 12

3094. 514

414

100

Feb 8-1922.

12:2640

Ind B	
182.8	
2302	474
2.2	496
518	<u>970</u>

+1.73

1828		+1.60
2364	536	
3588	<u>545</u>	
4133	1081	+1.46

Ind 9

2628		Mean = +1.30 <u>667</u> 797
3274	646	
830	<u>656</u>	
1486	1302	+0.97

2678		+1.01
3268	590	
85.2	<u>674</u>	
122940	1528	105
	<u>1264</u>	

1620

122810

228

122582

3094.512

104

Feb. 8-1922

Ind A

12:34:25

263.2

3298

88.2

1526

66.6

644

137.0

+096

✱

2696

3264

838

1522

568

684

1252

+108

+102

Ind B

3568

4118

1855

2328

558

473

1023

+160

mean = +132

667

799

20

538

1853

2344

518

491

1009

+163

+162

12 37:45

2 10

12 36 05

2 28

12 33 37

3094.524

110414 ✓

Feb. 8-1922

Ind B.

12:41:55 0.4

53.8

1822

2372

534

550

1084

+1.45

00

510

183.8

2338

510

500

1010

163

+1.54

Ind A-

855

1550

2686

3210

695

524

1219

+1.15

Mean = 1.41

667

8.08

+1.28

908

1412

2684

12 44:58 3264

53

554

580

1134

+1.34

12 43 26

2 32

12 40 58

3094 528

114

Feb. 8 - 1922

Dad A.

12:50:20

828

1484

686

2658

610

3268

126.6

+ 1.05

41

833

+ 1.02

1522

689

2648

610

3258

129.7

+ 0.98

Dad B.

mean = +1.33

1823

667
8.00

2298

475

3558

528

4086

100.3

+1.65

1798

+1.64

2362

564

3.2

446

12:53:55

478

1010

163

4 15

12 52 08

2 28

12 49 40

30.94.535

121

✓

Feb. 8 - 1922 -

12 55:10 Ind. 93.
 1872
 2288 4.16
 000 309
 509 925 +1.85-

1792 +1.78
 2296 504
 1.6 471
 487 975 +1.72

Ind. A. Mean = +149
 2658 667
 3268 8.16
 887
 1455 1178 +1.24

2673 +120
 3248 575
 858 641
 12:58.30 1499 1216 1.16

13 v.
 12 56 50
12 56 50

13 00

12 54 22

3094.53
12 5

CS watch = 2 m 38 sec fast
 by feel -

Feb 8-1922

13:430 *Ind A*

267.4		
325.8	584	
86.8	602	
1470	<u>118.6</u>	+1.22



2637		+120
3247	610	
89.7	391	
1488	<u>1201</u>	+1.19

Ind B

32		
462	430	
1838	482	
2320	<u>912</u>	+1.88

Mean +1.55

667
<u>8.22</u>

22		+190
496	474	
1842	426	
13. 7 30 2268	<u>900</u>	+1.91

13	06	00
	2	28
13	03	32

3094544

414
<u>130</u>

Feb. 8-1922

51

Ind B.

13.12:00

2.8

516

488

1858

475

2333

963

+1.75

XX

49

+1.76

47.9

4.30

181.2

520

2332

95.0

+1.78

Ind a.

Mean = +1.58

870

667

1478

608

825

270.4

468

3272

1076

+1.47

900

+1.40

1488

588

2700

550

+1.33

13 15:15

3250

1138

27 15

13 13 38

2 28

13 11 10

3096.5749

135

✓

Feb. 8-1922

Ind A

13:19:35

906

1460

270.4

3216

554

512

1066

+150

89.2

+148

1448

556

2704

520

3224

1076

+147

Ind B

Mean =

170

1854

2294

3.3

486

440

453

893

+193

#5

+192

1836

2286

2.8

13 22 55 480

450

452

90.2

+191

30

13 21 15

2 28

13 04 37

18

2094.555

Ji 41

Feb. 8 - 1922

Ind B

13.2810

1822

2344

4.2

453

522

411

933

+1.83

XI

1844

2323

5.8

472

479

414

893

+1.88

+1.93

Ind A

2708

3248

8.888

1472

540

584

1124

Mean = +1.65

667

832

+1.36

2672

3226

9.40

1464

554

524

1078

+1.42

+1.47

13 31.40

59 50

13 29 55

2 28

13 27 27

3094.560

414

146

Feb. 8:1922

Ind A.

13:35:40

271.8

3238

86.4

1404

520

540

1060

+1.51

XII

267.2

3216

89.8

1402

544

504

1048

+15.2

+154

Ind B

4.9

488

186.4

2300

439

436

875

mean = +170

667

837

+1.98

3.2

51.4

182.9

2306

482

477

959

+1.87

+176

13.39:10

13 37 25

2 28

13 34 57

3094.566

418

152 ✓

Feb. 8-1922-

Ind B

13:44:20 3.8

490

183.0

2316

452

486

93.8

+181

~~XIII~~

1.4

472

185.8

2250

458

392

85.0

+2.05

+1.93

Ind A.

898

145.8

2714

3226

557

512

1069

+1.49

Mean = +166

667
8.33

+1.40

856

1439

2690

13 4810 3251

583

561

1144

+1.32

13 46 15

2 22

13 43 47

2094.572

414

152

Feb 8. 1922

13:55:40 *Ind A.*

87.7

1520

267.4

325.2

657

578

1235

+1.12

X16

872

1478

2696

324.9

606

553

1159

+128

+20

Ind B

1872

2352

08

50.2

480

494

974

+172

Mean = +147
667
8.14

1820

2332

4.7

49.9

512

452

964

+1.75

+174

13 59:50

13 57 20

2 28

13 54 52

2094.529

2 414

968 ✓

Feb. 8-1922.

14 01.00

1830	
2328	498
2.2	456
478	<u>95.4</u>

+1.77

182.6		+1.84
2310	484	
6.0	418	
478	<u>90.2</u>	+191

Sum A.

2727	
3247	520
870	<u>610</u>
1480	1130

+135

Mean = ~~+126~~ +1.55

667
<u>822</u>

2663		+1.26
3273	610	
864	<u>600</u>	
1404.7	1464	<u>1210</u>

+117

04
57
140234
<u>228</u>
14006
3094.583
<u>614</u>
169

Feb 8-1922

14 7 30

2622		
3284	662	
796	666	
1462	<u>1328</u>	+0.92

XVI

2652		+0.96
3304	652	
874	624	
1498	<u>1276</u>	+1.01

Ind B

13		
499	486	
1833	535	
2368	<u>1021</u>	+1.61

Mean = 734

667
<u>8.01</u>

18		+1.71
518	500	
1854	438	
2292	<u>938</u>	+1.81

14 11 20

19	10
14	09 35
2	28
<hr/>	
14	07 7
3094.888	
414	
174	

✓

Feb 8 1922

59

Ind B

14:20:20 2.4

474

450

180.8

574

+ 160

2382

1024

~~XVII~~

+152

3569

4118

549

1828

536

2364

1085

+145

Ind A.

Mean = 136

874

667

1484

610

798

2638

658

3296

1268

+1,05

839

+1.60

1484

645

2660

380

14:23:30 3240

1225

+1.14

✓ 10

14 22 35

3096 597

418

183

✓

Feb 8 1922

142600- Ind a

809	6	
1498	589	
2672	600	
3272	<u>1289</u>	+122 ⁰⁰

~~XLIII~~

844		+12 ¹ 2
1488	644	1.10
2684	552	
3236	<u>1196</u>	+120

Ind B

1820		
2286	466	
3568	558	
4126	<u>1024</u>	+160

Mean \nearrow 131
~~137~~
 667
798

1836		+152
2346	510	
3598	574	
4172	<u>1084</u>	+145

141 29 44

15	49
14	27
23	25
23094	617
	607
	414
	<u>187</u>

Feb-8 1922-

Ind B.

14:3550

1833

2328

495

3555

635

4190

1130

+1.35

XXX

177.7

2377

3.4

544

600

510

111.0

+137

+1.39

Ind C.

2688

3253

874

1438

565

564

1129

+1.35

$$\begin{array}{r} \text{Mean} = +1.27 \\ \text{133} \\ \hline 667 \\ \hline 5.00 \end{array}$$

2692

3272

864

1468

580

604

1184

+1.29

+1.23

14 37 45

14 25 17

3094.608

418

194

Feb 8 1922

7

Add a

14. 43:30

2644

3268

820

1429

624

609

1233

+1.12

XX

2672

3286

80.0

1569

614

709

1323

+0.93

+102

Add B

3533

4144

1818

2324

611

506

1117

Mean +1.24

667

791

+1.38

10

49.9

1798

2349

48.9

55.1

1040

+147

14 47.10

14 45.20
2 28

14 42.52

3094.613

614

.199

~~+68~~ +156

Feb 8-1922.

63

Ind B

14:54 50

357.4

411 4

181 9

236 2

540

543

1083

+146

XXI

3534

414 2

1842

2329

608

487

1095

+144

+143

Ind A.

863

1455

2626

3304

592

678

1270

Mean = 123

667

790

+104

784

151 2

266 3

14 58.30 331 3

728

650

1378

+093

+082

14 56 40

3094. 623

414

209

Feb. 8. 1922

15:00:40

Ind A

XXII

788

1512

2604

3326

724

722

1446

+068

818

1528

2649

3266

710

617

1327

+092

+080

Ind B

1814

2336

3572

4156

522

584

1106

+140

mean = 109

667

776

1772

2387

1.0

518

615

508

1123

+138

+136

15:04:40

15 02 40

15 00 12

3096.625

414

211

✓

Feb 8 - 1922

15:6:55

Sub B

174.8
2376
3486
4218

628
732
1360

086

XXIII

1709
2456
3566
4142

747
576
1323

+090

+093

Sub A

2743
3189
860
1488

446
628
1074

Mean = 7.13

667
780

+1.48

2690
3278
880

588
594
1182

+136

+123

15 10:40

1474

15 OF 48

15-06-20

3076.629

415

215

✓

Monday Feb 13 1922

Lb Co.

12" Polar

Phot. R. J. T. C. Rec.

S. U. Arizans 44830 Comp'd with 30° 7.41 (6.8)
 Ind. B.

13.55 00

266.2	Comp * dis.	
307 2	410	
89.3	363	
125 6	<u>77.3</u>	+2.28

X

2672		
3082	390	+2.32
893	355	
1248	<u>74.3</u>	+236

Ind A mean +2.36
 $\frac{2.00}{9.36}$

1793		
2136	343	
000	367	
367	<u>71.0</u>	+247

+240

1755		
2155	400	
02	351	
353	<u>751</u>	+234

14 00 25

13 57 42
 55

13 56 47
 3099.586
 0.348 14.0 0.167

L's watch 55 sec. fast by tel.

V

Feb. 13-1922

67

14:03:45

data

181.1	3
246.4	53
0.4	341
345	<u>969.4</u>

$$+ \frac{167}{2.5/3}$$

180.8	
216.8	360
00	377
377	<u>787</u>

$$+243$$

data B.

90.2	
1244	342
2667	431
3098	<u>773</u>

$$\text{Mean} = +240$$

+228

913	
1273	360
2692	366
3058	<u>726</u>

+235

+2.42

14: 8 45

14 6.15

14 05 20

3099.587

0.354

Feb 13 - 1922

14:13:55

Sub B

93.6

1232

2682

3070

296

388

68.4

+256

III

95.0

1242

2688

3093

292

405

697

+254

+252

Sub A

Mean -257

16

336

181.8

2178

320

368

688

+255

2.8

344

1818

2158

3.16

340

656

+2.60

+2.66

14:19:22

14 16 38

14 15 43

23099.594

0.361

Feb 13 - 1922

Sub A.

14.21.10

1.8

338

320

1804

353

2159

673

+2.59



01

369

368

252

3788

350

2138

71.8

2.45

Sub B

Mean = 12.35

2682

3086

922

1288

404

366

77.0

+2.28

2668

+2.18

3102

434

902

404

1306

838

+2.08

14.25.50

14.23.20

14.22.35

23099.599

0.366

Feb. 13 - 1922

Dec B

14 28:25

2707

3063

92.3

1242

356

319

675

+2.59



2710

3050

90.9

1242

345

333

678

+2.58

+2.58

Dec a

1769

2147

00

399

378

399

777

Mean +2.44

+2.26

178.8

2159

06

393

371

387

758

+2.29

+2.32

14.33 00

14 30 42

14 29 47

3099.604

0.371

✓

Feb 13 - 1922

71

Sub A.

14:37 25

180.2

217.2

358.8

397.8

370

390

76.0

+2.3.2

VI

178.2

217.3

36

377

391

341

73.2

+2.36

+2.40

Sub B.

Mean = +2.44

913

1243

2672

3062

330

390

72.0

+2.44

924.

1224

2688

3064

300

376

676

+2.52

+2.59

14: 4130

14 39 28

14 38 23

3099.610

0.377

Feb 13 1922

data B

14.48 25.

89.8

1248

2682

3088

350

406

756

+2.33

III

89.3

1279

266.9

3078

386

409

795

+2.27

22.1

data.

mean = 2.30

3592

4000

1813

2158

408

343

75.3

+2.34

~~18~~

+234

1822

#

2172

350

000

398

398

74.8

2.35

14 55 03

93 28

14 46 44

14 45 49

3099.615

0.382

Feb. 13 - 1922

73

15:01 ⁴ 30 *Sub a*

180 2

213 8

359.7

3967

336

370

706

2.49

ZIII

1798

2168

3558

4004

370

446

816

+232

+215

Sub B.

902

1270

2692

3078

368

386

754

Mean = +2.33

+2.33

923

1269

2678

3082

346

404

750

+234

+235

15.0645

15.0422

15.0327

23099.627

a. 394

Feb. 13 - 1922

Dec 13.

15: 12 33

91.2

127 4

362

270 2

407

310 9

$$\begin{array}{r} 407 \\ 76.9 \end{array}$$

+2.29

IX

92 3

+235

124 3

320

267.7

411

308.8

$$\begin{array}{r} 411 \\ 73.1 \end{array}$$

+2.41

Lula.

mean - +235

05

378

373

180.2

376

2178

$$\begin{array}{r} 376 \\ 74.9 \end{array}$$

+235

080

+2.35

380

380

180 4.

370

217 4

$$\begin{array}{r} 370 \\ 75.0 \end{array}$$

+2.35

15. 17. 30

25

15 15 12

15 14 17

3099.635

0402

✓

Feb. 13 - 1922

75

15.22.22	<i>add</i>			\bar{X}
0.7				
355	348			
182.2	336			
215.8	<u>684</u>	+25.6		

2.2			
372	350	+2.38	
1750	447		
2197	<u>797</u>	+220	

add B. mean = +2.33

2655		
3142	487	
922	333	
1255	<u>820</u>	+2.14

2708		+2.27
3098	390	

91.2	343	
15 27.15 125.5	<u>73.3</u>	+240

9 37
15 24 48
15 23 53
23089.642
0.409

Tuesday Feb 14 - 1922.

12" Polar.

L C Obs.

J. H. Rec.

11:57:00 0 Ceti 021413 Est. 8.6

B Phot R.

12 0:30 246.8 var dis

3274 806

7.62 716

1478 1322 -053

2489

3318 829 -056

742

1398 656
1485 -060919
mean -058
8.61

A

1660

2352 692

3440 744

4184 1436 -070

1622

2364 742 -060

3408 800

12 05:43 4208 1342 -049

6 73

12 3 6

12:00 C's watch = 2^m 38^{sec} fast by 1/2

✓ 502

Feb 14 1922

77

S. Y. Currier 044830 Phot R.

12 43
12.42

Ind. A

178.8
215.2
000
368
364
368
73.2

+2.40

I

196.7
226.4
06.7
436
297
369
666

+2.51

+2.62

Ind B

104.0
135.2
280.4
321.2
312
408
720

Mean = +2.51

+2.44

102.2
138.4
284.8
316.8
362
820
1682

+2.51

12 17 44
27
12 15 14
2 30
12 12 44

3100.502
0.335

+2.57

L

Feb. 14 - 1922

Ind B

12:20:40

103.8

136 2

279 9

322 8

3.24

429

753

+2.84

II

1017

1394

2827

3169

377

342

719

+2.39

+2.44

Ind A

mean +2.46

137

456

1944

2285

319

341

660

+2.64

113

472

1906

2264

359

358

717

+2.64

+2.45

12:25:04

5 40

12 22 52

2 30

12 20 22

2 3/00. 514

0.341

Feb. 14 - 1922

12:29:05 *Ind A*
 12.6
 426 300
 182.4 338
 2262 638 +2.72

III

136 ~~136~~ 310 +2.72
 446 ~~44~~ 326
 1936 636 +2.73
 2262

Ind B. Mean 254
 2807
 3152 34.5
 1006 381
 1387 72.6 242

280.8 237
 3208. 400
 1028 359
 12:34:00 1387 759 2.32
 00 05

12 31 32

12 29 02

3100 520

387

C

Feb 14 - 1922

12 41.50 *Ind B*
 2830
 3157 327
 1002 412
 141.4 739 +238 1111

2794
 3232 438
 1037 350
 1387 788 +2.23 +2.30

Ind A. Mean = +232
 1902
 2280 381
 106 390
 496 771 +2.28

189.6
 2272 376
 124 354
 12. 46 35 478 730 +2.41
 12 44 12
 12 41 42
 +2 3100 529
 0.356 ✓

Feb 14 - 1922.

Sub A.

12:50:10

190.0

228 6

11.2

46 6

386,

354

740

+2.38

K

190 2

229 8

10.6

474

396

368

764

+2.34

+2.30

Sub B.

Mean +2.33

1044

138 2

279.4

319 2

338

398

736

+2.39

1037

1387

2790

12 54 40 3222

350

432

782

+2.32

+2.25

12 52 25

12 49 55

3100.535

.362

Feb. 14 1922

Ind B

13:04:45

100.8

141.1

281.1

320.2

408

391

79.9

+220

VI

1017

1407

2830

3220

390

390

780

+2.22

+225

Ind A.

108

477

1920

2287

369

367

736

Mean = +234

+2.39

10.6

494

1952

2257

388

305

693

+246

+253

13:9:08

.13 53

13 06 56

13 04 26

3100.544

.371

✓

Feb 14 1922

Ind. A

13.2430

6.8

526

1915

2252

458

337

$$\begin{array}{r} 458 \\ 337 \\ \hline 795 \end{array}$$

$$\begin{array}{r} 221 \\ +193 \\ \hline \end{array}$$
VII

166

448

1912

2277

282

365

$$\begin{array}{r} 282 \\ 365 \\ \hline 647 \end{array}$$

$$\begin{array}{r} 245 \\ +231 \\ \hline \end{array}$$

269

Ind. B.

Mean = 242

2802

3208

1050

1352

406

302

$$\begin{array}{r} 406 \\ 302 \\ \hline 708 \end{array}$$

248

2840

3200

1008

1402

360

394

$$\begin{array}{r} 360 \\ 394 \\ \hline 754 \end{array}$$

2.40

233

13.12923

13.53

13.2658

13.2428

3100.558

388

Above group very difficult to
take owing to increased cloudiness
+ haze.

Feb 14 1922

Sed B

13 48 05

2768

3200

103.3

1362

432

329

761

+231

11/11

2842

3163

1048

1368

321

320

641

+251

+271

Sed A

1933

2255

92

344

322

452

774

mean = +238

+227

1906

3283

152

356

377

404

781

+226

+225

13 52 10

13 50 07

13 47 37

3100.575

11/2

Observations more different than
1st - Useless to com-
Further.

Friday Feb. 17 - 1922

Lb obs.

^{12"} Polar
Phot. T.

F.T.C. Rec.

11:35

S. S. Auriga 060547 Est. 13.2

U. Gem. 074922 Est. 13.4

S. Y. Auriga 044830
Ind. B.

Comp * = +30.0
7.42(7.0)

I

11. 45.25

189.8

Comp * dis.

235.8

460

4.8

480

528

940

+1.81

188.6

179

234.3

457

3.8

380

177.8

538

957

Ind. G.

mean = 1.77

276.3

7.56

324.3

480

97.2

451

9.33

142.3

931

183

279.4

175

324.7

453

93.3

540

11.4930

1147.3

993

167

11 47 28

3103.491

70.027

Feb. 17 - 1922

11.5455

Dec A

2758

3248

948

1428

490

480

970

+1.78

II

2766

3244

978

1455

478

477

955

+1.75

+1.77

Dec B.

5.6

484

1863

23.24

428

461

88.9

Mean = 182

756

+938

+1.94

32

513

1907

2359

481

452

933

+1.88

+1.83

11.5830

11.5642

3103.698

0.034

✓

Feb. 17 - 1922.

12:11:30 Ind 13

3.8

550

180.8

2282

512

474

986

+1.67

III

+186

4.3

472

189.4

2312

429

418

847

206

Ind 9.

933

1463

2707

3242

530

535

1065

1.50

Mean = $\frac{174}{930}$

948

1409

2742

3242

461

500

961

+162

1.75

12 5 10
12 3 28

3103.502

1664

+1.038

Feb 17-1922

Measurements of 2 Comets *'s

12 5:45

648

Southern *'s

180.9

116.1

~~247.2~~

103.6

~~363.8~~~~219.7~~

+ 0.77

1709

107.1

2458

106.0

+ 0.70

3518

213.1

+ 0.60

146.9

B

158.2

2588

100.6

3356

99.2

74.8

199.8

160.2

+ 0.38

164.8

2538

89.0

3286

115.0

+ 0.42

12 9:45

836

204.0

156.0

+ 0.46

12 7 45

3103.506

Southern * = the fainter by 0.52 mag.

✓

Feb. 17- 1922

89

12:1420 *S U Aurigae* Ind B IIII
 187.2
 2328 456
 6.4 413
 47.7 86.9 +200

1864 +197
 2338 474
 6.8 418
 486 892 +194

Ind A Mean = 173
 2738 736
 3268 530
 912 517
 1429 1047 +154
 929

2736 +149
 3252 516
 883 575
 1458 1091 144

12 1830
 12 16 25
 3103.574
 46.4
 .0x7

Feb 17 - 1922

Ind A.

12:26:38

272.2

325.8

93.8

143.6

53.6

49.8

103.4

+1.57

A

270.7

323.3

92.6

144.8

62.6

52.2

104.8

+1.56

+1.54

Ind B

7.2

31.5

187.1

226.8

44.3

38.7

8.30

Mean = 182

75.6

93.8

+2.71

4.7

47.2

186.1

12:30.22 228.7

42.5

42.6

85.1

2.08

2.05

12 28 30

23103.520

0.56

Feb 17 - 1922

Ind B

12.41:10

$$\begin{array}{r} 500 \\ 512 \\ 187.4 \\ \hline 228.4 \end{array}$$

$$\begin{array}{r} 512 \\ 410 \\ \hline 922 \end{array}$$

+186

VI

$$\begin{array}{r} 7.0 \\ 480 \\ 1818 \\ \hline 2342 \end{array}$$

$$\begin{array}{r} 410 \\ 524 \\ \hline 934 \end{array}$$

+184

+182

Ind A.

$$\begin{array}{r} \text{Mean} = 172 \\ 756 \\ \hline 92.8 \end{array}$$

$$\begin{array}{r} 88.0 \\ 1464 \\ 2737 \\ \hline 3207 \end{array}$$

$$\begin{array}{r} 584 \\ 470 \\ \hline 1054 \end{array}$$

+153

$$\begin{array}{r} 91.0 \\ 1412 \\ 2743 \\ \hline 3234 \end{array}$$

$$\begin{array}{r} 502 \\ 491 \\ \hline 993 \end{array}$$

+160

+167

12:45:15 3234

12 43 12

3103.530

.066

Feb 17 - 1922

Ind A.

13 3:10 845

1474

2744

3200

629

456

1085

+145

~~171~~

933

1418

2736

3223

485

487

972

+159

+173

Ind B.

1855

2316

36

444

461

408

869

mean = 180

756

936

1884

2282

46

508

398

462

860

+200

+201

+202

13.7:10

13 5 12

3103.545

0.081

✓

Feb. 17 1922

Ind B.

13. 15:38

1855-

2284

3.2

47.7

429

445-

874

+ 1.98

VIII

1855-

2308

46

474

453

428

881

+ 197

+ 196

Ind A.

2730

3236

928

1434

506

506

1012

Mean = + 178

756

9.34

+ 163

2730

3258

933

1458

528

525-

1053

+ 158

+ 153

13 20:40

13 18 39

3103.548

555-

.091

Feb 17 - 1922

Sed A

13:33 12.

2752

3184

91.2

1404

432

492

924

+185

~~IX~~

2718

3199

952

1386

481

434

915

+ 187

+186

Sed B

88

489

1838

2278

401

440

841

+208

Mean = 187

756

943

16

469

1869

2304

453

535

988

+188

169

13.3650

133501

3103.866

102

✓

Feb 17 - 1922

Sub B

13 49.53

$$\begin{array}{r} 3.3 \\ 45.2 \\ 184.8 \\ \hline 228.8 \end{array}$$

$$\begin{array}{r} 419 \\ 440 \\ \hline 859 \end{array}$$

+ 203

X

$$\begin{array}{r} 51 \\ 468 \\ 1844 \\ \hline 2278 \end{array}$$

$$\begin{array}{r} 417 \\ 434 \\ \hline 851 \end{array}$$

$$\begin{array}{r} + 204 \\ + 205 \end{array}$$

Sub Q.

$$\begin{array}{r} 926 \\ 1428 \\ 2726 \\ \hline 3255 \end{array}$$

$$\begin{array}{r} 502 \\ 529 \\ \hline 1031 \end{array}$$

$$\begin{array}{r} \text{Mean} = 181 \\ 736 \\ \hline 937 \end{array}$$

+ 158

$$\begin{array}{r} 928 \\ 1436 \\ 2722 \\ \hline 3242 \end{array}$$

$$\begin{array}{r} 508 \\ 520 \\ \hline 1028 \end{array}$$

$$\begin{array}{r} + 158 \\ + 159 \end{array}$$

13 53 20

13 51 36

3103.578

114

Feb 17 - 1922

14:05:58 Ind A

89 3

139 6

270 4

320 6

503

502

100.5

+ 1.64

~~XI~~

90 4

140 9

273.0

3230

505

500

100.5

+ 1.64

+ 1.64

Ind B

186 8

226 8

3.7

49 3

400

456

836

Mean = +182

$$\begin{array}{r} 756 \\ 938 \end{array}$$

+ 203

1853

2330

72

48 2

477

410

887

+ 199

+ 195

14 09:40

14 07 49

31 03 58

.125

Feb. 17 - 1922 -

14:26 53 *Ind B*
 188.0
 2286 406
 1.8 510
 528 916 + 1.87

XII

1806 +190
 2308 + ~~200~~
 7.8
 472 502
 394
896 + 192

Ind A mean = +178
 2747
 3234 487 + 756
 934 514
 1448 1001 +165
934

2728 * +165
 3238 510
 886 492
 14 30 55 1378 1002 + 165

14 28 54
 3103.603
 -1.39

Feb. 17 - 1922

45 Sub A.
14:52: ~~38~~ 276.1

3213

886

1476

452

590

1042

+ 155

XIII

2670

3253

918

1378

583

460

1043

+ 155

+ 155

Sub B

8.8

478

1824

2314

390

490

880

1

Mean = 1767

756

932

+ 197

24

488

1855

2258

464

403

867

+ 200

+ 198

14.5640

14.5442

3103.622

.158

✓

Feb. 17 - 1922

XIV

$$\begin{array}{r} 141303 \\ 8.8 \end{array}$$

468

1837

2033

380

496

876

+ 1.98

+ 192

02

578

1884

2284

516

400

916

+ 1.87

Add A.

982

1377

2728

3213

395

490

885

+ 1.95

+ 175

862

1418

2736

3218

556

482

1038

+ 156

$$\begin{array}{r} 141732 \\ 1451518 \end{array}$$

3103.635

171

100

Feb 17 - 1922

5
~~14~~: 2013

Ind A.

916

1374

2692

3272

458

580

1038

+156

XV

873

1428

2728

3214

555

486

1041

+156

+156

Ind B

1872

2258

40

498

1

386

458

844

Mean +180

756

936

207

1822

2304

84

468

482

384

866

204

201

5
~~14~~ 24 00
 15 22 06
 3103.640
 .176

✓

Tuesday Feb. 21 - 1922.

12th Polar

L.L.Bb.

11:37

S. Saurigae 060547 Est. 13.5

11:39

Olcott's * nearby Est 9.7

F.T.C. Rec.

I

S. Y. Gungae 044830

Phot. T.

Ind. B.

11.44 03

7.7

Comp * dis.

51 8

441

188.2

524

240 6

965

+1.74

+1.66

66

55 6

490

187 4

536

241 0

1026

+1.59

Ind. A.

Mean +1.68

988

+756

145 8

470

+917

276 8

538

924

330 6

1008

+1.64

1.70

+1.56

307.490

2265

962

146 2

500

276 4

5472

11-48 20

323 6

1072

+1.73

11 46 12

11 45 44

9

53187.450

Feb 21-1922

II

Data

11:50:03

97.2

1447

2777

3272

475

495

970

+1.73

176
+164

938

1468

2784

3204

530

4520

4000

950

178
+164

Data B

1902

2334

6.8

536

432

468

900

Mean = 173

756
929
9.35

191

+182

1884

2356

22

522

472

500

972

173

11 53 50

11 51 58

11 51 30

2107.294

269

✓

Feb. 21 - 1922

III

11 55 25

Lid B

1824

2404

6.8

518

580

450

1030

+158

+162

1888

2384

3.8

546

496

508

1004

+165

Lid C

2733

3298

96.6

1440

565

474

1039

+156

+160

2752

3262

958

1454

510

496

1006

+164

11:59 20

(15) 22

11 56 54

3107.498

273

1200 C's watch = 28 seconds fast
by bell

Feb. 21- 1922

Sud A

||||

12:05:19

2758

3252

938

1433

494

1495

989

+168

2728

3292

906

1472

464

566

1030

+163

+158

Sud B

2.6

309

1848

2342

483

494

977

mean +166

+756

+922

+171

30

322

1848

2338

492

490

982

+170

+170

12.10 05

15 24

12 07 42

12 07 14

23107.505

280

✓

Feb 21 - 1922

Dec B

~~IV~~

12:1835	88		
528	440		
1858	489		
2347	92.9	+1.84	

3582		+1.80
4102	520	
187.4	434	
2308	954	+1.77

Dec Q.

Mean = 112

93.8		736
1417	479	+928
2753	490	
3243	96.9	+173

91.1		+163
1457	546	
2752	506	
1223.10	1052	+153
3258		

41	45
----	----

12 20 52

12 20 24

23107574

289

Feb. 21 - 1922

Ind A.

VI

12 31:10

91.1

1432

521

2732

572

3304

1093

+14.3

922

+148

1452

530

2738

526

3264

1056

+152

Ind B

1858

2308

450

mean = 170

33

435

468

885

195

756

926

1872

192

2322

450

50

462

512

912

1.88

12 35:45

12 33 28

12 33 00

23107.525

298

✓

Feb. 21 - 1922

VII.

12:45.45

Sub B.		
186.8	461	
2329	480	
2.8	<u>941</u>	+1.81
508		

1829		+174
2346	517	
28	482	
50 0	<u>999</u>	+166

Sub A.

2759		Mean = 176
3264	505	<u>756</u>
942	476	932
1418	<u>981</u>	+170

2726		+1.69
3218	492	
918	499	
1417	<u>991</u>	+168

12:49.55

12 47 50

12 47 22

23107.523

.308

Feb. 21 - 1922

Ind A

~~VII~~

13:01:30

2722

3249

902

1440

527

538

1065

+150

2759

3272

867

1412

513

545

1058

+152

+151

Ind B

44

498

1790

2334

454

544

998

Mean = 162

756

928

+166

18

314

1822

2304

496

482

978

+178

172
~~Mean + 170~~

13:5:19

13 3 24

13 2 56

2310) 544

.319

Feb. 21 - 1922.

Sed B.

IX

13:07:21

4.9	
484	435
1814	486
2300	<u>921</u>

+186

1.4	
494	480
182.8	<u>494</u>
2322	974

179

+1.72

Sed A.

Mean = 176

924	
1414	490
2729	<u>508</u>
3237	998

736
<u>932</u>

+1.66

968	
1456	488
2755	<u>463</u>
3218	951

172

178

13:11:19

13 9 20

231075-48

-323

110

Feb. 21 - 1922

Sub A.

X

13:21:27

933

1408

475

272.4

531

325.8

1006

+164

910

+167

1444

534

2784

449

3233

98.3

+170

Sub B.

Mean +182

1859

+756

2302

443

+938

2.8

454

48.2

897

+192

1814

+198

2262

448

5.9

407

466

85.5

+204

13 25 10

13 23 18

23107.558

333

✓

Feb 21 - 1922

111

13:37³⁰ Ind B
 1888
 2304 416
 3.8 440
 478 856 +203

XI

1822
 2322 500 +186
 16 484
 310 984 +70

Ind Q. Mean = 168
 2707 756
 3258 924
 91.3 551
 1400 487
 1038 +106

2736 +151
 3258 522
 904 558
 13 41.45 462 1080 +146

13 39 32
 25107.569
 744

Feb. 21 - 1922

Ind A.
 14:01:10 270.8
 3208 500
 900 520
 1420 1020 +1.61

271.7 +1.61
 3260 543
 930 478
 1408 1021 +1.61

Ind B.
 5.0
 462 412
 181.8 496
 2314 908 +189

+178

5.6
 479 535
 1822 466
 2288 1001

165

14:05:10
 14 01 10
 23107.584
 359

✓

Feb. 21 - 1922

dud B.

14.1545

$$\begin{array}{r} 66 \\ 468 \\ 1827 \\ 2324 \end{array}$$

$$\begin{array}{r} 402 \\ 497 \\ \hline 899 \end{array}$$

192

XIII

$$\begin{array}{r} 27 \\ 492 \\ 1855 \\ 2282 \end{array}$$

$$\begin{array}{r} 465 \\ 427 \\ \hline 892 \end{array}$$

192

193

dud A.

$$\begin{array}{r} 936 \\ 1396 \\ 2756 \\ 3258 \end{array}$$

$$\begin{array}{r} 460 \\ 497 \\ \hline 957 \end{array}$$

$$\begin{array}{r} \text{mean} = 180 \\ 756 \\ \hline 93.6 \end{array}$$

176

$$\begin{array}{r} 892 \\ 1408 \\ 2730 \\ 3232 \end{array}$$

$$\begin{array}{r} 516 \\ 502 \\ \hline 1018 \end{array}$$

168

161

14.1955

$$\begin{array}{r} 141750 \\ 23107595 \\ \hline 370 \end{array}$$

114

Feb. 21 - 1922

Data

XIV

14 32 50

908

1412

504

2708

548

3256

1052

+153

874

+156

1428

554

2752

472

3224

1026

+159

Data B

Mean +166

2.6

+756

306

480

1859

489

2348

969

+173

54

+175

518

464

1826

490

2316

954

+177

14 36:45

14 34 45
2 31 07 608
383

✓

Friday February 24-1922
12" Polar

Ll obs.

F.T.C. Rec

e Citi 021403 Phot R
Ind A

~~12 18 40~~

~~62.2~~

Var. dis

12 19 30

357.4

427 5

701

174 5

687

243 2

138.8

080

357 2

426 8

696

092

1820

574

2394

1270

1.04

Ind B

213 2

334 2

93.1

1511

710

580

129.0

mean = 095

919

8.24

1.10

2649

3308

864

12:22:58

1508

659

644

1303

098

097

12 42 28

12 21 14

JD 23110.515

Feb 24-1922

12:2625 S. U. Tauri 054319 Est. 9.6

12:27²⁷~~27~~-15. S. Aurigae 060547 } Est. 13.5
 Olothokta nearby } Est 9.7

S. U. Aurigae 044830 Shot R
 ded. B comp * dis

I

12:3147
 104.2
 136 2 320
 281 3 351
 316 4 671 +260

105.1
 136 0 309
 281 5 387
 320 2 696 +252

ded A.
 112
 480 368
 1924 344
 2268 711 +247

mean = +252
 700
952

12 32 29
 23110.528
 .516
 .006
 144
 448
 1897
 2302
 12 32 54 .523

304
 405
709 +248

+248

+248

Feb 24 - 1922

Sub A.

II.

12:39:25

11.7

467

1956

2246

350

290

640

+2.71

12.8

462

1898

2268

334

370

704

+2.60

+2.49

Sub B

mean + +2.46

2797

3232

103.3

1398

430

360

800

2.19

700

946

2806

3206

1028

1344

400

316

716

+2.32

+2.45

12:43:50

1241.32

1241.13

23110.528

.012

Feb 24 - 1922

12 46 20 Ind B
 281 2
 318 2 370
 104.7 305
 1352 675 +259

2798
 3202 404
 1032 361
 1393 765 +230

Ind 9.
 192 2
 228 3 361
 11.7 326
 437 687 +257

+250

1933
 2248 315
 7.6 410
 12: 50 40 486 725 +243
 12 50 30

12 50 05
 23 110.535

.019

✓

Feb. 24 - 1922

12:09 25 1933
2298
7.8
488

1933
2298
7.8
488

$$\begin{array}{r} 365 \\ 410 \\ \hline 775 \end{array}$$

+2.27

III

1906
2312
7.8
504

231 2

7.8.

574

$$\begin{array}{r} 406 \\ 4726 \\ \hline 832 \end{array}$$

+218

+ 2.10

and 13

994

1420

2822

3168

426

3 4 6

77.2

Mean = + 224

700

924

+228

1034

1372

2804

338

4 1 4

$$\underline{75.2}$$

+ 231

13:4:50 32/8

3218

2, 3 4

13 of

1301 43

23/10. 525

527

Feb 24 - 1922

~~13:08~~ 10
08

Ind B

102.1
137 2
280 3
318 3

351
380
73.1

+2.41

V

103 0
134 6
279 8
321 2

316
414
730

+2.41

+2.41

Ind A

126
508
1918
2247

(3)
982
329
71.1

Mean = +2.46

700
946

+2.47

136
448

312
376

2.51

190 8
228 4

688

+2.55

13 12 10
13 10 10
23110.549
.033

Feb 24 - 1922

121

Ind. A

VI

13: 18 58

10.8

467

1898

2306

359

408

767

+2.29

98

498

1922

2248

400

326

726

+2.42

+2.36

Ind. B

Mean = + 240

2808

3164

150.8

1414

356

406

762

+2.31

$$\begin{array}{r} 240 \\ 700 \\ \hline 940 \end{array}$$

2818

3185

1049

13 2250 1364

367

315

682

257

244

13 20 54

13 20 29

23110.556

040

Feb 24 - 1922

Ind B

VII

13.30.25 283.4
 3164 330
 1018 376
 1394 706 +249

2787 +243
 3212 425
 1052 317
 1369 742 +237

Ind Q.

Mean = +238
760
 938

1884
 2268 384
 106 368
 474 752 +234

1896 233
 2282 386
 112 372
 484 758 232

13.34.28
13 32 26
 13 32 01
 23110.564
 048

Feb 24 - 1922

123

13:46.50
 190.8
 2296
 11.8
 496
 388
 378
 76.6 + 230

VII

1940
 2288
 133
 484
 348
 351
 699 + 251

+ 240

1002
 1416
 2804
 3208
 414
 404
 81.8 + 21.4

Mean = + 230

700
 930

1018
 1402
 2804
 3192
 384
 388
 772 228

221

13:57.5
 13 48 52
 13 48 33
 2110.576
 0.060
 14:00

C's watch = 25 seconds fast
 by Ref.

Feb 24 - 1922

Ind B

IX

14:352 98.4

140 8

2782

3204

~~4~~24

422

846

+206

1008

1389

2804

3184

381

380

761

218

231

Ind A.

mean = +222

118

488

1876

2298

370

422

792

+2.22

700
922

84

498

193.3

2278

414

345

759

227

+2.32

14.825

14 6 34

23110.587

071

Feb. 24 - 1922 -

Ind A.

X

14:19:10

$$\begin{array}{r}
 8.6 \\
 478 \\
 1882 \\
 \hline
 2306
 \end{array}
 \quad
 \begin{array}{r}
 392 \\
 424 \\
 \hline
 816
 \end{array}
 \quad
 +2.15$$

$$\begin{array}{r}
 87 \\
 494 \\
 191.2 \\
 2304
 \end{array}
 \quad
 \begin{array}{r}
 407 \\
 392 \\
 \hline
 79.9
 \end{array}
 \quad
 \begin{array}{r}
 +2.18 \\
 +2.20
 \end{array}$$

Ind B

mean = 226

$$\begin{array}{r}
 2836 \\
 3214 \\
 1013 \\
 1400
 \end{array}
 \quad
 \begin{array}{r}
 378 \\
 387 \\
 \hline
 765
 \end{array}
 \quad
 \begin{array}{r}
 760 \\
 +926 \\
 \hline
 +230
 \end{array}$$

$$\begin{array}{r}
 2792 \\
 3204 \\
 1038
 \end{array}
 \quad
 \begin{array}{r}
 412 \\
 330 \\
 \hline
 742
 \end{array}
 \quad
 +234$$

$$\begin{array}{r}
 14 \ 23:30 \\
 \hline
 14 \ 21 \ 20 \\
 23110.598 \\
 082
 \end{array}
 \quad
 \begin{array}{r}
 1368 \\
 \hline
 742
 \end{array}
 \quad
 +237$$

Feb. 24 - 1922

Ind B.

XI

14:39:12

281.8

3197

998

1396

279

398

677

+259

2752

3251

1011

1384

399

373

772

+244

+228

Ind 9.

2900

2252

8.7

496

352

409

761

Mean = 234

250

934

231

1908

2332

7.5

494

424

419

843

224

207

14 43 30

15 41 21

23110.612

.096

Feb. 24 - 1922.

14.51.15 Ind A.

190.4		
228.2	378	
6.8	438	
326	<u>836</u>	+2.12

XII

190.4		+226
225.8	354	
10.8	378	
486	<u>732</u>	+240

Ind B.

105.0			Mean = +226
137.4	324		750
2830	392		<u>926</u>
3222	<u>716</u>	+245	

100.8		+226
140.4	396	
2792	449	
14.55.30	<u>845</u>	+206
14.53.22		
23110620		
.104		

Tuesday Feb. 28 - 1822

66 obs.

Phot R

12" Polar J. H. B. C.

o Ceti 214 03 Est.

11:51.35

84.8 ¹³ Var dis.

I

1544 696

2672 672

3344 1368

-0.84

898

-0.96

1302 604

2684 644

3328 1248

-1.09

Ind a.

Mean - $\frac{919}{808}$

3.8

624 686

1830 548

2378 1134

-1.34

3574

-1.26

421.8 644

1847 561

2408 1205

1.18

11 06 25

11 108 0

11 54 0

2311 H. 496

✓

Feb. 28 - 1922 -

Hy Aurigae 044830 Phot R

Ind A

12:00 45

13.0

Comp* dis.

428

290

188.8

361

2249

65.1

+267

12.8

+254

468

340

1902

386

2288

72.6

+242

Ind B

Mean = +2.38

279.7

200

3197

400

1002

394

1396

79.4

+221

2819

3241

422

+222

1022

370

12 420

1392

792

+222

12 02 32

14.502

278

.228

Feb 28 - 1922

Ind B.

12 9:50

282.8

3171

1022

1348

343

326

669

+2.61

2802

3220

1026

1338

418

312

730

7.251

+2.41

Ind a.

1948

2264

14.4

4.68

316

324

640

Mean = 254

700

954

+271

1923

2266

104

476

343

372

715

+258

12:14 10

+246

12 12 00

14.508

278

230

✓

Feb 28-1922

12:1845- Ind A

192.6		
2249	323	
14.0	292	
432	<u>615</u>	+280

1.9

1934		+276
2224	290	
116	351	
467	<u>641</u>	+2.71

Ind B

1012			Mean = 269
1362	350		700
2832	341		<u>969</u>
3173	<u>691</u>	+254	

1056		+262
1324	268	
2814	373	
3187	<u>641</u>	271

12 22 50

1220 48

1K. 575-

.290
237

Feb. 28, 1922

Dud B.

IV

12 24 30

1048

1361

313

2808

379

3187

692

+253

1037

+248

1390

353

2812

372

3184

725

+243

Dud Q.

Mean = 250

146

700

468

322

1938

330

2268

652

+267

+252

139

447

308

1872

437

12.2845

2309

745

+236

12 26 32

14.519

275

241

✓

Feb 28 1922

Ind A.

V

12:38 10

13.2

46 8

336

1916

352

2268

688

+255

147

+250

458

311

1888

402

2290

713

246

Ind B.

mean = +249

2790

700

3230

440

949

1042

298

1340

738

+238

2833

+248

3154

321

1018

356

12 42:35 1374

677

+259

12 40 22

14.52

257A

250

Feb. 28 - 1922

Ind B

12:48:00 2820
 3208 388
 1054 300
 1354 688 +253-

2811
 3155- 344 +2.57
 1056 332
 1388 676 +259

Ind A. mean +248
 1892 700
 2298 406 948
 136 332
 468 738 +238

1938 +238
 2286 348
 108 390
 498 738 +2.38

12:52:05

12 50 02

14535

278

257

13 00

C's watch = 42^{sec} slow by Bell

Feb. 28-1922.

135

13 6 30 ded Q VII
 192.2
 225.5- 333
 11.4 354
 468 687 +255-

1918 +244
 2274 356
 8.8 402
 490 75.8 +232

ded B. mean = 241
 1024 760
 1384 360 941
 2805 359
 3164 71.9 +244

1036
 1376 340 +238
 2797 417
 13 10 45 3214 737 +232

13 08 3A
 14.568
 278
 -270

Feb. 28-1922

Incl B

VII

13. 15. 10

1051

1372

2830

3162

321

332

653

+2.67

1061

1341

281.4

3182

280

368

648

+2.68

+2.68

Incl A

mean = 264

106

488

1934

2252

382

318

700

+2.57

700
964

177

510

1924

2238

333

314

647

2.60

269

13. 19. 32

131721

14. 55.4

278

276

✓

Feb. 28 - 1922.

Ind A.

~~IX~~

13 21 50

120

448

328

1928

318

2246

646

+269

128

+272

426

298

1936

332

2268

630

+275

Ind B.

Mean = +267

2809

3190

381

1068

280

1348

661

+264

+262

2869

3164

295

980

382

13 25 45

1362

677

+259

13 23 48

14 55 A

27 f

280

Feb 28-1922

1334 15 Ind B X

2836		
3186	350	
1031	324	
1335	<u>674</u>	+ 259

281.1		+ 250
3204	393	
1020	336	
1356	<u>729</u>	+ 241

Ind g. mean = + 250

2920		750
2298	378	<u>950</u>
128	328	
456	<u>706</u>	+ 249

1955		+ 251
2249	314	
108	380	
1338 37	<u>694</u>	+ 253

13 36 26

567
276
289 ✓

Feb. 28 - 1922

Feb 9.

XT

13 49 5

1940

2227

137

468

287

331

618

+27.9+

1928

2266

138

488

338

350

688

+2.67

+2.55

Feb 18.

Mean = + 246

2792

3220

1026

1412

428

386

814

+ 2.15

750

9.46

2762

3210

1061

1356

448

295

743

+ 2.37

+ 2.26

13 53 30

1356

13 51 28

14 57 8

178

700

Feb. 28. 1922

Ind B

14 00 45

284.2

3151

1018

1382

309

364

673

+ 260

2800

3200

1016

1352

400

336

736

+ 250

+ 239

Ind 9

1894

2254

106

478

360

372

732

Mean = + 245

960

945

+ 240

1906

2274

116

478

368

362

730

+ 240

+ 241

14:5 10

14 02 58

14.585

275

3.07

✓

Feb. 28, 1922

XIII

14 11 40

Incl a

1924

2274

11.0

506

350

396

746

+ 236

1908

2288

12.8

446

380

318

698

+ 244

+ 251

Incl B.

1046

1362

2814

3180

316

366

682

Mean = + 252

700

952

+ 257

1030

1352

2858

3200

322

342

664

260

263

14 16 03

14 13 52

14.573

272

315

Feb. 28- 1922

Ind B

XIV

14:24 25-

108 0

137 8

280 4

318 2

298

378

67.6

+ 259

103 3

136 2

283 6

317 7

329

341

670

+ 261

+ 260

Ind 9.

Mean = + 255

14.1

45.2

192 0

225 6

311

336

647

+ 269

$$\begin{array}{r} 700 \\ 955 \end{array}$$

106

504

192 7

228 7

398

360

758

+ 232

+ 250

14 28:35

14 26 30

14 602

278

323

✓

SS Aurigae 06 05 47
Olcott's Star nearby

Est 13.5

Est 9.8

14.34

U Gem 07 49 22 Est 13.7

var fairly vis. - but surely seen

14:36

Friday March 3 - 1922 -

Lb. obs.

12th Polaris

J. G. B. P. c.

#2:

Urs. maj. 093556 ~~Est.~~ Phot. T.

Ind. 13

12:26:8

300.4

Comp * dis

369 0

686

129 8

649

194 7

1335

+091

I

3012

3730

718

+084

1269

680

1949

1398

+078

Ind 9

Mean = +1.24

43.4

667

938

504

2277

497

7.91

2774

1001

+165

404

+1.68

1920

1516

2228

486

12 30 15

2714

1002

+165

12 27 56

3117.59

433

.086

060547

S. S. Cunningham Est. 12.6 @ 11:55 AM T

V. L. S. S. S.

98

12/12

March 3, 1922

Ind A
 12 32:31 37.8
 968
 2207
 2733

~~239~~

590

526

111.6

+138

378
 1002
 2242
 2767

624

525

1149

+131

+134

Ind B

125.7
 1916
 3062
 3682

659

620

1279

+102

Mean = 120

667

787

1260
 1898
 3068
 3678

638

616

1248

+109

+106

12.37.10

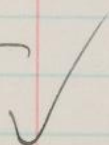
9 41

12 34 50
 12 35 35

3117.525

433

092



Mch 3 - 1922

12:41 30 *Ind B.* III

137.2		
1987	615	
3078	686	
3764	<u>1301</u>	+ 0.98

1368		+ 1.00
2028	660	
3144	626	
3760	<u>1286</u>	+ 101

Ind a Mean = +129

2272		667
2868	596	<u>19.6</u>
316	452	
968	<u>1048</u>	+ 154

2324		+ 158
2814	490	
504	528	
1032	<u>1018</u>	+ 161

12.4620
760

12 43 55
12 44 40
217.531
423
598

March 3- 1922

Ind a

III

12.52.08

233.3

2848

515

187.2

534

1049

+1.54

2290

+15.8

2798

508

51.7

510

1027

1018

+161

Ind B.

Mean = 132

3107

667

3772

665

1340

618

1958

1283

+1.01

3120

+1.06

3755

635

1372

600

1972

1235

+1.12

12.56.03

12 54 06

12 54 51

3117.537

433

104

3 A.T.
 @ 13 o'clock @ Watch, 45 seconds
 slow

March 3 - 1922

Ind B

13.03.03 317.2

373.3

136.7

198.2

561

615

1176

+125

3148

3738

1367

1987

590

620

1110

+132

+139

Ind Q.

496

1066

2320

2824

570

504

1074

Mean 1142

667

809

+148

47.7

1011.6

2308

2800

539

492

1031

153

+158

13.640
9.03

13.04.52

13.05.27

3(17).546

433

113

March 3. 1922

bed A.

13:17:10

48 9

101 0

233 2

381 6

521

484

1005

+164

520

+170

101 3

493

233 6

466

280 2

959

+ 176

bed B

135 5

197 4

316 4

271 8

619

554

1173

Mean = 146

667

813

+125

1338

+122

196 7

629

316 7

579

374 6

1208

+118

13:21:02

13 19 06

13 19 51

3117.556

423

123

March 3 - 1922

Ind B

VII

13.27.25

139 4
196 2
318 6
372 2

568
536
1104

+141

1384
1972
3173
3663

588
490
1078

+144

+147

Ind 9

Mean = 169
667
836

2337
2773
536
976

436
440
876

+198

2347
2804
508
960

457
452
909

+194

189

13 31 10

13 29 18

13 30 03

311).062

423
129

150

Mch. 3 1922

led a

VIII

13 32,40

2349

2787

487

1022

438

535

973

+1.72

2299

2804

498

978

505

480

983

+1.70

+1.69

led B.

mean 163

3208

3682

1398

1934

474

536

1010

667

830

+1.63

3210

3704

1394

1966

494

572

1066

156

150

13.36.20

13 34 30

3117566

433

133

March 3-1922

	Ink B			IX
13. 45 18	316 6			
	369 6	530		
	139 8	524		
	1922	<u>1054</u>	+153	

3210		+163
3698	488	
1424	482	
1906	<u>970</u>	+173

Ink 9		Mean = 178
527		667
972	445	<u>843</u>
2344	422	
2766	<u>867</u>	200

544		
949	405	194
2328	508	
13. 49 10	<u>913</u>	188
2836		

13 4) 14

311) 575

433

142

March 3-1922

Sub A

 \bar{x}

13. 55.10

520

964

2364

2818

444

454

898

+192

499

984

2372

2788

485

416

901

+192

+191

Sub B

Mean = +182

1401

1918

3222

3707

51.7

485

100.2

667

849

+1.5

1430

1904

3192

3673

474

481

955

1.71

177

13. 59.05

13 57 08

3117.582

433

.149

March 3-1922

Sun B

XI

14.9 45

138.0

190.4

524

3220

478

3698

1002

+ 165

1402

+ 163

1914

512

3182

506

3688

1018

+ ~~166~~ 161

Sun 9.

Mean = + 184

2356

667

2778

422

851

3337

436

973

858

+ 203

2366

+ 208

2813

447

546

378

14.1340

924

825

+ 212

14.1142

3117.592

1422

159

✓ ✓

March 3 - 1922

Ind A.

XII

14:22 10

2337

2804

54.2

948

467

406

873

+ 199

2344

2802

534

992

458

458

916

x 187

+ 193

Ind B

Mean = + 172

3192

3758

1407

1933

566

526

1092

+ 144

667

839

317.7

375.2

143.8

1908

575

470

1045

+ 155

+ 150

14 26 07

14 24 08

3117.601

433

-168

✓

March 3 - 1922

Ind B

XIII

14 3245

3142

3746

604

1452

446

1898

1050

+ 154

3198

+ 1154

3704

506

1394

344

1938

1050

+ 154

Ind 9 -

Mean = + 171

312

667

978

466

83.8

2353

467

2820

933

+ 183

52.8

+ 188

957

429

2327

469

2796

898

+ 192

14 36 45

1 x 36 45

3117.608

433

125

March 3- 1922

Ind A

14: 44 20

480

988

508

2320

534

2854

1042

+ 135

XIV

51.8

+ 158

992

474

2322

546

2868

1020

+ 161

Ind B

1455

1962

507

3166

566

3732

1073

+ ~~125~~ 148Mean = + ~~149~~ 134
667
821

1411

+ 140 151

1922

511

3186

538

3724

1049

+ 154

14 48.05

14 46 12

3117.616

433

.183

✓

March 3 - 1922

XV

15 00:15 *bed B*
 140 8
 1934 526
 3204 530
 3734 1056 + 152

1394 + 142
 1932 538
 3173 601
 3774 1139 + 133

bed 9 Mean = + 156
 2367 667
 2817 823
 524
 1010 450
 486
 936 + 182

2304 + 169
 2824 520
 308 320
 15 04 13 1028 1040 + 136

15 02 14

317.627
433

194

✓

March 3 - 1922

15 6 40 *Ind A* *XVI*

2328		
2838	510	
47.4	528	
1002	<u>1038</u>	+ 156

n

2298		+ 146
2892	594	
490	528	
1018	<u>1122</u>	+ 137

Ind B Mean = + 144

3162		667
3772	610	<u>811</u>
1428	530	
1958	<u>1140</u>	+ 133

3236		+ 141
3738	502	
1353	569	
1922	<u>1071</u>	+ 149

15 10 20
 15 08 30
 3117.631
 433
 .198

March 3 - 1922

Ind B.

~~XVII~~

15 17 04

3154

3734

1410

1922

580

512

1092

+ 1144

3156

3756

1844

1955

600

611

1211

+ 130

+ 117

Ind G.

Mean = 146

488

984

2328

2832

496

504

1000

+ 166

667

813

467

1042

2340

2804

575

464

1039

+ 136

+ 161

15:21 10

15 19 07

3117.639

433

.206

160

March 3-1922

15 23 55

Ind A.

~~X-VIII~~

448

1000

2299

2822

552

523

1075

+148

472

1008

2300

2836

536

536

1072

+148

+148

Ind B

Mean = 144

1344

1896

3198

3722

552

524

1076

+149

667

811

+140

1366

1912

3172

3758

546

586

1132

+134

15 27 40

15 25 48

3117.6 sec 0.211

15 32.05

J. S. Luning

060547

Est 12.4

✓

Monday March 6 - 1922

L. Obs.

12" Polar

F.T.C. Rec

Declination wire found to
be broken; telescope
cannot be used

Est in 6" telescope

13:40

Star 060547 Est 11.0 @ 13:40 G.M.T.

Too much moon haze & cloud
not observers cld to work in
outside dome.

Wednesday March 8-1922

12" Polar.

Lbbs.

11:52.

11:53.

S. L. Pungae 060547

Oleth's Star nearby

Est. 10.7

Est. 9.8

W. B. Rec.

o Ceti (A) 021403

Phot R

H: 56 15

186.2

Vardis

234 6

48 4

8.6

46 1

547

94.5

180

9

1216

4

1.89

235 2

336

6.1

440

301

87.6

1.98

Sub B.

1008

1422

414

2756

496

3252

910

189

$$\begin{array}{r} 919 \\ \text{mean} = -192 \\ \hline 7.2.7 \end{array}$$

1002

1422

420

2759

453

3212

87.3

199

12 00 06

11 56 21

11 58 10

23/22 499

March 8. 1922

163

W. Ursa Majoris 093556.

Ind B

12:8 55

34.0

105.6

2224

2779

Comp * dis

716

555

1271

+104

Phat T

I

366

977

217.2

2818

611

646

1257

+107

+106

Ind A.

1288

1864

3149

3642

576

493

1069

+149

Mean = +135-

667

802

1334

1832

3176

3628

498

452

950

+178

+164

12 12 56

12 10 52

3122.508

440

.066

March 8-1922

Ind A

II

12:17 58

128 0

189 8

311 3

366 6

618

353

117.1

+126

130 8

182 8

312 8

363 8

520

510

1030

+142

+158

Ind B

2216

2767

37.2

927

551

655

1206

mean = ~~124~~ +134~~667~~

667

791801

+118

2216

2784

386

948

568

562

1130

126

~~492~~ 13512. 22 40

12 20 19

3122.514

640

674

March 8-1922

III

12 30 03 Ind B
 218.0
 250 4 624
 411 489
 900 111.3 +1.39

2255- +144
 2750 495
 390 572
 962 1067 +149

Ind 9.
 3096
 3702 606
 1302 334
 1836 1140 +1.33
 mean = .138
 667
805

3096 +132
 3656 560
 1262 588
 12 34.00 1850 1148 +1.31

12 32 02

3122.522

440
.082

March 8 1922

12:39:05 Sub A
 3126
 3648
 124.8
 1846
 522
 598
 1120 + 137

IV

3100
 3674
 1304
 1852
 574
 548
 1122 + 137

Sub B.
 361
 947
 2233
 2782
 586
 549
 1135 + 134
 Mean = 142
 687
 809

417
 936
 2244
 2755
 519
 511
 1030 + 146
 158

12 43.00
 12 41.02

3122.528
 440
 .088

~~Revised and just at end of this~~

March 8- 1922-

Ind B

V

12:54:35

440

914

2228

2768

476

540

1016

+162

386

955

2266

2733

569

467

1036

+157

+160

Ind Q.

Mean = 157

1308

1794

3133

3678

486

545

1031

+158

667

824

1288

1848

3137

3640

560

503

1063

+150

+154

12:59:15

12 57 00

3(22.540

440

100

Pencils readjusted at end of this group

March 8, 1922

13:7.15 *Ind 9.* VI

130.1			
183.1	550		
310.8	320		
362.8	<u>1070</u>	+1.49	

1298			138
1879	581		
307.7	079		
3656	<u>1160</u>	+1.28	

Ind 13 Mean = +145

2224			667
2748	524		<u>812</u>
408	320		
928	<u>1044</u>	+1.55	

2224			152
2736	512		
400	332		
952	<u>1064</u>	150	

13 12 25
19 40
 13 09 50
 3122.5⁴⁹
4400
 .109

✓

March 8 - 1922

VII

13 13:58

2242		
2754	512	
386	032	
938	<u>1064</u>	+150

2202		
2774	572	+148
398	314	
912	<u>1076</u>	+147

13 18:10

3142			
3672	530		150
1294	558		667
1852	<u>1088</u>	+145	<u>8.17</u>

Mean = +

3098		+153
------	--	------

3636	538
------	-----

1342	482
------	-----

1824	<u>1020</u>	+161
------	-------------	------

13 16 04

3122	553
	<u>400</u>

.113

170

March 8 - 1922

13:2350 *Ind 9.* VII

3152		
3642	490	
1230	598	
1828	<u>1088</u>	+145

3106		150
3628	522	
1332	516	
1848	<u>1038</u>	+156

Ind B. Mean = 151

407		667
922	515	<u>818</u>
2182	622	
2804	<u>1137</u>	133

411		152
922	511	
2234	470	
2704	<u>981</u>	170

13:28:10

13 26 00

3122.560

$$\begin{array}{r} 450 \\ 120 \end{array}$$

✓

March 8 - 1922

Ind B.

IX

13 82 12

302

952

650

2208

460

2668

1110

+139

390

152

922

532

2200

472

2672

1004

+165

Ind A.

mean = 156

1293

667

1807

514

3078

300

3578

1014

162

823

1284

160

1814

530

3072

496

13 36.03

3568

1026

159

13 34.02

3122.565

440

126

172

March 8. 1922

13:46 05 *Ind A.* Σ

128.8		
1774	486	
3038	564	
3602	<u>1050</u>	+154

1322		170
1784	462	
3116	460	
3576	<u>922</u>	186

Ind B Mean = +171

2194		<u>667</u>
2688	494	838
388	<u>494</u>	
882	988	+16.9

2202		+172
2664	462	
398	502	
900	<u>964</u>	+175

13:50 20

13 48 12

3122.575

440

135

✓

March 8-1922

Ind B.

XI

14:01 30

2162

2672

389

924

510

335

1045

+135-

2198

2666

402

876

468

474

942

168

180

Ind 9.

Mean = 180

3077

3584

1314

1758

507

444

951

+178

667

847

3106

3526

1334

1762

420

428

848

192

206

14.8600

14 07 30

3122.589

460

.149

174

March 8-1922

14: 14.15 ^{Ind A}
 3092
 3082 490
 1338 400
 1738 890 +194

3010
 3555 545
 1314 484
 1798 1029 +159

^{Ind B}
 402
 872 470
 2208 440
 2648 910 189

Mean = 184
 667
851

412 192
 882 470
 2223 419
 2642 889 194

14 18:45
 14 16 30
 3122.594
 450
.154

✓

March 8-1922

Ind B

XIII

1427.10

39.4

896

502

224.4

370

2614

872

+199

406

+196

868

462

2222

430

2652

892

+194

Ind A.

mean - + 193

1340

667

1766

426

860

3106

474

3572

900

+1.91

1338

1.90

1778

440

3090

470

1431.35

3560

910

189

1429.22

3122.603

460

.163

March 8-1928

Ind A.

14: 3453

131.2

1753

441

3084

460

3544

901

+191

1273

+187

1755

482

3108

450

3558

932

+183

Ind B

2166

2683

517

37.4

504

878

1021

+1.61

Mean = 174

667

841

221.2

2688

476

+1.62

~~348~~

540

36.8

1016

+1.62

908

14:39 35

14:37 14

3122.610

440

170

✓

March 8-1922

42. ~~14~~ 50 ~~2168~~ 2168 2666 344 904 49.8 560 1058 +152

2166 2668 374 912 502 338 1040 +154 +156

ded P- 3068 3568 1336 1753 500 417 917 Mean = 168 667 835 +1.87

3090 3559 1306 1787 469 481 950 182 1.78

14 47 25 14 45 06 3122.615 400 (175)

March 8-1922

Ind A

XVI

14:5600

306.2

3578

516

130.2

502

1804

1018

+1.61

306.8

+154

3618

560

126.6

522

1788

1082

+146

Ind B

Mean = 139

347

667

978

631

2162

558

2720

1189

122

342

124

946

604

2162

562

2724

1166

127

15:0030

14 58 15

3122.624

440

.184

✓

March 8-1922

Sed B.

XVII

15:335

366

940

574

2155

572

2727

1146

+131

322

+132

932

610

2148

528

2676

1138

+133

Sed G.

Mean = +

146

1304

667

1808

504

813

3048

574

3622

1078

+147

1306

+159

1806

500

307.8

480

+171

15:07:16

3358

980

15:05:26

3122.628

480

160

March 8 - 1922

Ind A

XVIII

15:13:40

1286

1768

3030

3600

482

570

1052

+153

1282

1772

3088

3598

490

510

1000

+166

160

Ind B

Mean = 148

2182

2718

342

914

536

572

1108

140

667

815

2142

2698

328

916

556

588

1144

+136

132

15:17:33

15 15 36

3122.636

440

.196

✓

March 8, 1922

	Index	B	X/X
15 22:20	2175		
	2702	527	
	336	607	
	943	<u>1134</u>	+134

2119			+130
2700	581		
326	586		
912	<u>1167</u>		+127

Index	a	Mean
3078		+137
3593	515	<u>6.67</u>
1278	554	<u>804</u>
1832	<u>1069</u>	+149

3050		+144
3622	572	
1285	543	
15 26:40	<u>1828</u>	138
15 24 30		
3122.642		
<u>440</u>		
202		

6

Wednesday March 15 1922
 12" Polar

Lb obs

F.T.C. Rec

13:03

S. S. Anpe 060547 Est 12.6

13:04

Olcotts * nearby Est 9.8

13:05

U. Gem 074922 Est 12.6

Pretty hozy in this region

W. Ursa Majoris

093556

Phot T.

Ind B.

I

13:

Scattered clouds over all

13:45

the sky - @ ~~13:45~~

Friday March 17 - 1922

Lebbs.

F.T.C. Rec.

12.50 S. Auriga 060547 Est 12:7

12.53 Clouds in U. Gem. region 12.0

Sky quite cloudy

U. Ursae May. 093556 Comp* dis.

13:02.00
 310 4
 370 4 600
 126.2 593
 185 5 1193 +121

3428
 4038 610 +1.20
 1568 596
 2164 1206 1.18

mean = 126
 667
 79.3

Std. A
 #724
 1248 524
 2468 685
 3053 1209 1.17

13 4 25
 13 02 55
 23131.544
 444
 .096
 13:6:50 748 +132
 1284 536
 2509 345
 3054 1081 146

13 00 6.5 match 130 sec's lost by fall. ✓

March 17 - 1922

13:9:50

Sud A

552

1218

242.2

2934

666

512

1178

+124

11

61.8

1168

2400

2962

550

562

1112

+132

+139

Sud B

1477

2097

3253

3922

620

669

1289

Mean = +122

667

789

+1150

1005

1568

2782

3388

563

606

1169

+113

+126

13 14:20

10

13 12 05

1 20

13 10 31

23131.549

101

✓

March 17 - 1922

13: 1920 *Std B*
 956
 1550 594
 278.6 547
 3333 1141 +132

III

1800
 1536 536
 2794 584
 337.8 112.0 +137

Std A
 1855
 2422 567
 106 530
 636 1097 +142

Mean - 137
 667
 804

1873
 2406 533
 7.7 58.0
 657 111.3 +140

13 23:30 657 111.3 139

13 21 25

13 19 55

23131.536

448

.108

✓

March 17 1922

13:3300	Def A.			IV
	186.6			
	243.8	472		
	9.8	<u>557</u>		
	655	1029	+159	
	1919		+159	
	2388	469		
	10.0	<u>557</u>		
	657	1026	+159	
	Def B			
	2818			Mean = +164 152
	3322	504		667 667
	955	<u>374</u>		837 8.19
	1529	1078	+147	
	2758			+168 144
	3363	605		
	994	<u>500</u>		
10:3640	1494	1905	+141	
<u>9 40</u>				
13 34 50				
13 32 20				
23131.565				
<u>ref</u>				
.117				

✓

March 17 - 1922

Sub B.

13:4455

2772

3256

986

1474

484

568

1052

+153

✓

2724

3264

993

1464

540

471

1011

+158

+163

Sub A.

34

577

1774

2357

543

383

1126

Mean +150

667

817

+136

500

592

1828

2317

592

489

1081

+141

+146

13 48 55

13 46 53

13 45 25

23131.573

125

March 17 - 1922

Ind 9.

13 56 45

08

572

180.4

2366

564

362

1126

+136

4.6

586

1838

2314

540

476

1016

+149

162

Ind 13

908

1448

2755

3248

540

493

1033

Mean = 156

667

823

158

936

1440

2764

3258

504

494

998

162

166

14 00 35

13 58 30

13 57 00

23131.581

446

.133

✓

March 17 - 1922

189

Ind B

14: 9:40

98.8

1458

2758

3228

470

470

940

181

VII

997

1462

2784

3228

475

444

~~837~~

91.9

n +1.84

+186

Ind A-

1868

2324

7.7

588

456

511

967

Mean = +180

667

847

+174

1848

2333

88

553

485-

465-

950

+176

+178

14: 1350

14: 1145

14: 1015

23131.591

2400

143

190

March 17 - 1922

14:26:11 Ind A. VIIH
 1855
 2298 443
 6.8 465
 533 908 +189

1847 +180
 2330 483
 76 492
 568 973 +172

Ind B. Mean + 184
 2776 667
 3246 470 833
 974 453
 1427 923 +185

2780 +188
 3210 430
 966 470
 1436 980 +191

14 28 06
 23131.602
 468
.154

✓

March 17-1922

191

Ind B

IX

14 39:40

2714

3250

984

1412

536

428

964

+175

2772

3234

955

1474

462

519

981

+172

+170

Ind Q

Means = 184

714

367

1848

2294

493

446

939

667

853

+181

120

347

1837

14.43.24 2324

427

467

894

187

+193

14 41 22

23131.611

540

163

March 17. 1922

Ind A.

14:00:35

5.4

584

530

1798

560

2358

1090

+144

1.6

+146

586

570

1832

502

2334

1072

+148

Ind B

920

Mean = $\frac{150}{200}$

1416

496

2718

582

3300

1078

+147

+153

922

1484

562

2782

466

3248

1028

+159

14:34 46

14 52 40

23131.619

466

.171

March 17-1922

Ind B

XI

14.57.20	933		
	1472	539	
	2707	593	
	3300	1132	+134

922		
1484	562	+130
2678	606	
3284	1168	+126

Ind G

Mean = 142

47		667
598	551	809
1828	492	
2320	1043	+155

40		+154
544	504	
1824	550	
2374	1054	+153

15 01.20
14 59 20

23131.624

468

176

March 17 1922

Ind 9.

XII

15:41.42

3.8

626

588

1800

518

2318

1106

140

1.8

+146

597

579

1836

482

2318

1061

+151

Ind 13

Mean = 146

944

667

1482

538

2708

549

3257

1087

145

938

+146

1472

534

2720

540

15:828 3260

1074

148

15635

23131.628

446
180

✓

March 17-1922

Ind B.

XIII

15:14:25 916

1478

562

2688

604

3292

1166

+127

936

+132

1474

538

2714

579

3293

1117

+138

Ind A.

Mean = 133

1810

667

2335

545

800

36

586

622

1131

+135

1800

+134

2366

566

16

577

15:17:53 393

1143

+132

15:16

15:14 36

23131635

465

.187

196

Saturday March 18-1922

12" Polar

Phot. T. F. C. Pic

Lb Obs

W. W. M. Majoris

093556

Ind. B

I

12:8:21-

9.48

Comp. x des.

1616

668

2848

620

3468

1288

+1.00

98.6

+103

1618

632

2788

629

3417

1261

+106

Ind A

Mean = +116

1932

667

2516

684

78.3

127

580

707

1164

+1.27

1876

2516

640

+1.28

174

522

12.12.18

696

1162

+1.28

12.20.39

12.23.0 Ceti

021403. Est. H. G. = 6.3

12 10 19
20

✓

March - 18 - 1922

Ind A

II

12-2500 191.4

2490

15.2

67.8

576

526

1102

+141

1938

2467

104

711

~~11~~

529

607

1136

+138

+134

Ind B.

Mean = + 134

2828

2433

1018

1542

605

524

1129

667

801

+135

2824

3414

1003

1583

6590

580

1170

130

+126

12 29.52

12 271

.519

March 18-1922

B

Ind. A.

III

12:33.19

2780

3462

1018

1602

682

584

1266

+1.05

2842

3411

1022

1602

569

580

1149

+1.31

+1.18

Ind. B a

Mean = +1.22

15.8

678

1882

2492

520

610

1130

+1.35

667

789

147

736

1888

2508

589

620

1209

+1.26

12 37 08

12 35 27

12 35 14

✓

March 18-1922

Sub B A

IIII

12:45:28	09.8		
	755	657	
	1952	502	
	2454	1159	+128

	148		+123
	744	59.6	
	1912	610	
	2522	1206	+118

Sub B B

Mean = + 130

	1048		667
	1564	516	79.7
	2844	558	
	3402	1074	+148

	1014		138
	1572	558	
	2824	604	

12 49 18	3428	1462	128
----------	------	------	-----

 12 47 23

March 18-1922

	Incl A	B	V
12 56 50	1014		
	1596	582	
	2874	572	
	3446	<u>1154</u>	+129

988		+124
1626	63.8	
2833	<u>563</u>	
3396	1201	119

Incl B	A	Mean =
1930		119
2507	577	<u>667</u>
8.8	648	786
736	<u>1223</u>	+114

1898		+114
2488	590	
133	640	
773	<u>1230</u>	113

13 00 45⁰⁰
 12 57 35⁰⁰
 12 28 48
 13 00
 $\sqrt{.588}$

los match = 3^m3 - secs. lost by tel

March 18-1922

	Set B	A		VI
13 7 12	1892			
	2502	610		
	12.4	604		
	728	<u>1214</u>	116	

1912		108
2540	628	
7.8	655	
733	<u>1283</u>	101

Set A	B	Mean = +	120
2823			66.7
3434	611		<u>78.7</u>
1028	576		
1644	<u>1187</u>	122	

2834		131
3394	560	
1044	549	
1593	<u>1109</u>	140

13 11 00
13 9 6

548

20

202

March 18-1922

13:17 25 Ind 9 B ~~III~~

2848		
3384	536	
1021	531	
1372	<u>1087</u>	+1,45-

2852		
3414	562	140
1044	564	
1608	<u>1126</u>	136

Ind B A Mean = + 132

148		667
732	584	<u>799</u>
1898	602	
2500	<u>1186</u>	122

153		125
704	551	
1888	610	
13 20:58 2498	<u>1161</u>	128

13 38 23

13 19 12

555

✓

March 18 1922

VIII

13

+2 29 12

Ind B a

132

783

1888

2478

651

590

1241

+110

106

756

1944

2464

650

520

1170

+118

126

Ind A B

Mean = 125

1078

1572

2814

3438

494

624

1178

+138

667
79.2

1048

1562

2802

3423

554

621

1175

+132

+125

13

+2 32 50

622

= 31 1

562

✓

March 18-1922

Ind A. B

13:39.58

1055

1568

513

2848

548

3396

1061

+151

1036

+140

1612

576

2822

578

3400

1154

+129

Ind B A

Mean = + 140

1908

667

2496

588

807

204

494

698

1082

+146

1938

+139

2457

519

132

622

754

1141

+132

13.44.05

13 84 3

13 42 2

571
✓

March 18-1922

10 ~~add B~~ AX13.51 ~~5~~ 1928

2506

578

152

566

718

1144

+132

1972

2428

456

138

11.6

637

753

1093

+143

~~add A/B~~

mean = +145

2888

3388

500

1059

545

1604

1043

+155

667
812

2859

3362

503

1013

563

1576

1066

+152

13.55 m

150

13 106 10

13 53 5

578

✓

March 18-1922

Sub A B

XI

14:350

2872

3358

1064

1568

486

304

990

168

2872

3355

1078

1528

483

450

933

183

+176

Sub B A

Mean = 163

128

726

1958

2452

598

494

1092

667

830

+144

168

668

1923

2468

300

345

1045

+130

+155

14:7:56

14 11 46

14 5 53

587 ✓

March 18-1922

207

Ind B

XII

14 17 50

152

686

534

1976

462

2438

996

+167

178

+170

672

494

1948

472

2420

966

+174

Ind B.

mean = +175.

1052

667

1530

474

842

2876

463

3339

937

182

1098

180

1547

449

2872

302

14 21 43

3374

951

178

14 39 33

14 18 46

.597

March 18-1922

Ind B

XIII

14:27:58

1066

1322

2870

3326

456

456

912

+188

1076

1495

2850

3350

419

500

919

187

186

Ind A

mean = 176

1933

2453

182

650

520

468

988

667

843

+169

1943

2455

144

654

572

510

1022

+164

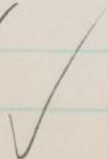
14:31:32

14 59 30

14 29 45

+160

.604



March 18-1922.

Sub A

~~XIV~~

14:3731

1963

2453

172

688

490

516

1006

+1.64

1933

2420

168

655

487

487

974

+1.68

+1.72

B.

Mean = 1.74

2902

3350

1088

1558

448

470

918667
841

+1.87

2902

336.2

1063

1583

460

520

980

1.79

+1.71

14:4120

14 78 51

14 39 26

.610

✓

March 18-1922

14.49.18

Ind B

XV

2868

3376

508

1066

498

1364

1006

+164

1

2844

+166

3383

539

1072

456

1328

995

+167

Ind 9.

Mean = + 1.51

137

667

717

580

1898

555

8.18

2453

1135

+134

12.5

+136

722

597

1922

524

14 53 10

2446

1121

+137

14 102 18

14 51 9

.618

March 18 1922

Incl A

XVI

14:57 45

15.4

73 3

192 2

242 7

579

505

1084

+145

15.2

70.2

192 8

247 8

550

550

1100

+144

+142

Incl B

Mean = + 151

1074

1384

2852

3397

510

545

1055

152

667

818

1082

1360

2860

3389

478

529

1007

15.8

+1.64

15 01 30

14 19 15

14 59 38

628

212

March 18 - 1922

15	Sup B			<u>XVII</u>
#4-03.03	107.0			
	1602	532		
	2855	347		
	3402	<u>1079</u>	+147	

1060			
1580	520		+150
2836	538		
3374	<u>1058</u>		+152

Sup 9		Mean = 139
1947		667
2472	525	<u>806</u>
124	604	
72.8	<u>1129</u>	135

1880		128
2504	624	
114	564	
678	<u>1188</u>	+122

15 6 56
15 9 59
15 5 -

-628

✓

March 18-1922

15 11:35 *Sub A* XVIII

	1926			
	2476	550		
	128	622		
	750	<u>1172</u>	+1.25	

	189.8			
	2484	586		+1.34
	158	510		
	668	<u>1096</u>	+1.43	

Sub B Mean = + 146

	2855			
	3388	533		<u>667</u>
	1037	540		813
	1577	<u>1073</u>	148	

	2838			
	3374	536		158
	1072	460		
15 15 26	1532	<u>996</u>	1.67	

15 27 1

15 13 30

.635

March 23-1922

Musa Majoris 093556 Phot 5

Sed B.

12:28.22

278.2

345.4

100.8

159.8

672

590

1262

Comp * dis

+1.06

I

281.2

344.6

98.6

166.2

634

676

1310

+1.01

+0.96

Sed Q.

178

688

186.6

243.6

510

570

1080

Mean 18.4

667

~~1831~~

7.91

+146

195

65.8

185.6

247.6

463

620

1083

+146

+146

12 32.19

12 604.1

12 3020

✓

23137.521

March 23 - 1922

Incl A.

II

12 34.0	12.8		
	721	593	
	195.2	482	
	2434	<u>1075</u>	+148

202			
694	492	+162	
1966	<u>472</u>		
2438	964	+1.75	

Incl B

Mean = 134

998			
1612	814		
2773	<u>675</u>		
3448	12819	100	

667
<u>801</u>

968		+166
1668	700	
2830	<u>538</u>	
12 37.45	3368	1.11
	<u>1238</u>	

12 71 45

12 35 52

.525

L

March 23 1922

Ink B

III

12:47:12

1026

1589

2788

3458

563

670

1233

+112

992

1596

2802

3455

604

653

1257

+110

+107

Ink A

Mean +144

1955

2438

202

668

483

466

949

$$\begin{array}{r} 667 \\ 811 \end{array}$$

+179

1955

2437

186

668

482

482

964

+177

+175

12:51:22

12 98 34

12 49 17

✓
 6's watch 1.58^{mi} secs fast by bell - 13.00

.534

March 23 - 1922 -

Ind A

||||

13.235

1946

2506

198

692

560

494

1054

+153

1982

2456

196

694

474

498

972

+163

+173

Ind B

Mean - + 138

2822

3438

1016

1623

616

607

1223

+114

667

8.05

2832

3464

1000

1602

632

602

1234

+112

+110

13.637

13 9 12

13 4 36

.845

220

March 23 - 1922

13. 8. 03	Sub B			V
	2830			
	3458	628		
	102.3	581		
	1604	1209	+1.17	

278 8			1.16
340 6	618		
1010	602		
1612	1220	1.15	

Sub A		Mean = + 140
200		667
662	462	807
1916	532	
2448	994	1.67

13. 11.35	152		
	688	536	164
	1984	488	
	2472	1024	160

13 19 38

13 9 49

.549

Continued in next book

Phot. Observations Ledgered, in this book.

Vis. ext. Led.
in this book.

1922phae.proj..651C