

VARIABLE STAR

OBSERVATIONS

JAN — MAR

1923

KG 11365.653



17 G. 11365.653



January, 13, 1923.

1

(Continued from Previous Book)

Juno

VII

Index B

12:58:15

44.4

91.1

135.5

73.4

226.4

164.5 = +0.29

309.8

+0.16

48.4

83.8

132.2

90.0

225.4

173.8 = +0.12

315.4

Index A

Mean = +0.10

143.2

81.7

224.9

93.0

312.6

174.7 = +0.10

405.6

138.8

91.0

+0.05

229.8

89.0

310.7

180.0 = +0.00

13:11:35

399.7

59 50

12 59 55

27433.542

January, 13, 1923.

13 : 8 : 8

Incl. A.

137.4

89.0

226.4

82.2

317.2

171.2 = +0.17

399.4

= +0.20

140.4

82.4

222.8

85.4

317.4

167.8 = +0.23

402.8

Incl. B.

Mean +0.23

228.6

85.2

313.8

87.7

46.2

172.9 = +0.13

133.9

+0.26

228.4

79.8

308.2

79.2

47.6

159.0 = +0.40

126.8

13 : 11 : 21

19 29

13 09 44

23433.569

January 13, 1923

Incl B.

13:16:15

224.4

84.4

308.8

86.2

43.8

170.6 = +0.18

130.0

+0.29

228.4

72.2

310.6

87.0

44.8

159.2 +0.40

131.8

Incl C.

Mean = +0.18

317.8

80.6

398.4

91.0

131.8

171.6 +0.16

222.8

314.7

88.1

+0.07

402.8

93.2

130.6

181.3 +0.

13:19:43

223.8

178.7 = -0.02

35 58

13 17 59

23423.534

January, 13 1923.

13. : 31.136

Ind. A.

316.9

85.3

402.2

96.5

133.3

181.8 * 0.03

229.8

174.2

+0.04

311.2

91.6

402.8

83.0

140.8

174.6 + 0.10

223.8

Ind. B.

Mean = +0.08

40.4

97.0

137.4

87.0

224.8

184.0 * 0.08

311.8

176.0

12

50.9

87.5

+0.08

138.4

76.0

230.8

163.5 + 0.31

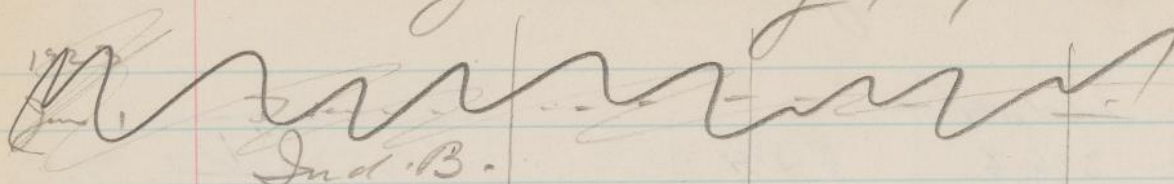
13 : 35.16

306.8

13 33 23

21432.565

January 13/23



Ind. B.

IX

13:38:15

42.8

87.4

132.2

87.0

224.8

176.4 + 0.07

311.8

+ 0.17

48.0

81.8

129.8

83.8

226.0

309.8

165.6 + 0.27

Ind. C.

Mean + 0.16

316.6

87.6

404.2

88.4

135.8

176.0 + 0.08

224.2

+ 0.14

316.6

90.2

406.8

79.4

143.8

169.6 + 0.20

223.2

13:41:58

13

13 40 6

23433.569

Jan. 13, 1923.

13 : 49 : 35	Ind. A.			<u>XIV</u>
	316.6	84.4		
	401.0	<u>85.0</u>		
	134.0	169.4	+0.20	
	219.0			
			+0.12	
	313.4	89.8		
	403.2	<u>88.0</u>		
	135.0	177.8	+0.04	
	223.0			
	Ind. B.			Mean. 70.08
	44.0	88.4		
	132.4	<u>85.2</u>		
	226.4	173.6	+0.12	
	311.6			
	42.2	94.4	+0.03	
	136.6	<u>89.0</u>		
	224.4	183.4	+0.	
13:52:58	313.4	176.6	-0.06	

33

13 51 16

23433.57)

January, 13, 1923.

13: 58 :56	Incl. B.	
	47.7	83.1
	130.8	<u>86.0</u>
	226.8	169.1 + 0.21
	312.8	

XIII

+0.08

40.2	92.0
132.2	<u>90.8</u>
225.0	182.8 + 0.
315.8	177.3 - 0.05

Incl. C

Mean = +0.11

133.3	90.5
223.8	<u>85.4</u>
316.0	175.9 + 0.08
401.4	

+0.14

138.4	84.4
222.8	<u>85.0</u>
318.0	169.4 + 0.20

14: 2 :28	403.0
-----------	-------

14 00 42	
23433.584	

January, 13, 1923.

14 : 12 : 40

Ind. A.

145.8

760

221.8

934

311.8

169.4 + 0.20

405.2

+ 0.14

132.7

94.1

226.8

81.5

321.8

175.6 + 0.08

403.3

Ind. B.

229.6

80.2

309.8

98.0

43.3

178.2 + 0.03

141.3

Mean = + 0.07

222.0

95.2

367.2

87.0

48.2

182.2 + 0.

+ 0.00

14 : 15 : 55

135.2

177.8 - 0.04

135

14 14 18

23433.593

✓

January 13, 1923.

XV

14:34:14

Ind. B.

227.4

86.0

313.4

99.0

43.8

~~185.0 + 0.09~~

142.8

175.0 - 0.09

→ 0.06

223.4

94.0

317.4

88.0

49.0

~~182.0 + 0.04~~

137.0

178.0

Ind. C.

Mean. + 0.09

317.8

83.6

401.4

76.0

146.2

159.6 + 0.39

222.2

+ 0.24

318.9

79.9

398.8

96.0

131.0

175.9 + 0.08

14:37:10

227.7

11 14

14 35 37

6008

14:42:30

U. Gem.

074922

Est. 13.6

23433

10

Wednesday Jan 17 - 1923

Lb obs.

12' Polar

FT Cree

11-30. Sd bygm 2138 43 Est 10:9

11-32. Sd Amigae 06 05 47 Est 12:9

o Cete

021403 Phot R.

Ind-B

11-35 58

2846

Var dis

3154

308

1037

295

1332

60.3

2.85

2868

3131

1072

1348

263

276

53.9

298

311

a.

1940

2234

~~452~~

152

433

294

281

575

919

Mean = 290

62.9

297

Phot found not to be properly set
into eyepiece 2.82~~136~~

120

448

1926

328

320

648

11:41:10

2246

268

Reject

Jan 17 - 1922

Sud A.

Same again

$$\begin{array}{r}
 W 42:26 \quad 18 \ 2 \\
 \quad 46 \ 2 \quad 280 \\
 \quad 193 \ 3 \quad 333 \\
 \quad 226 \ 6 \quad \underline{683} \quad - 256
 \end{array}$$

$$\begin{array}{r}
 \quad 17 \ 6 \\
 \quad 46 \ 6 \quad 290 \\
 \quad 191 \ 8 \quad 324 \\
 \quad 224 \ 2 \quad \underline{614} \quad - 281
 \end{array}$$

Sud B

$$\begin{array}{r}
 2820 \\
 3174 \\
 1058 \\
 1342 \\
 \quad 354 \\
 \quad 284 \\
 \quad \underline{638} \quad - 2.72
 \end{array}$$

$$\begin{array}{r}
 \text{Mean} = \frac{919}{645} = 2.74
 \end{array}$$

$$\begin{array}{r}
 2846 \\
 3152 \\
 1060 \\
 11:46:10 \quad 134 \ 6 \\
 \quad 306 \\
 \quad 286 \\
 \quad \underline{592} \quad - 289
 \end{array}$$

$$\overline{*280}$$

$$\begin{array}{r}
 11 \ 44.3 \\
 23 \times 37.489
 \end{array}$$

Jan 17- / 23

12.1539.

Juno
Ind. B2342
2978
604
1236No 3.) Juno found @ 3^h 9^m - 055 - (1803)
Concept = \otimes @ 8^m - 2
Phot J.

Comp* dis

636
632
1268

+1.05

2402
3044
596
1288642
672
1334

098

+0.91

Ind A

3302
3910
1532
2152608
620
1228

mean = +1.02

+1.13

2270
2936
1500
2152666
632
1318

+1.04

+0.94

12 19 55

12 17 47

12 17 21

2343

Jan 17 - 23.

a.

12:22 15 3269
 3939
 1464
 2128

670
 664
 1334

+0.91

H

3292
 3908
 1538
 2084

616
 546
 1162

+1.10

1.28

B

552
 1228
 2404
 3008

676
 604
 1280

Mean = +1.07

+1.02

562
 1228

+1.04

~~2403~~

666
 59.8
 126.4

+1.05

12:26 00 606
 1204

12 24 8

12 23 42

23437

14

Jan 17 / 23

12:35:55 ~~3016~~ (B)

58.6

1182

2372

2974

596

602

1198

+120

584

1252

2468

3026

668

558

1226

+117

+114

a

1518

2104

3318

3868

586

550

1136

Mean +120

+134

1498

2164

3302

3874

666

572

1238

+122

+111

1241:10

12 39 32

12 39 06

214 37

Jan 7-1/23

IV

- a -

12 43.00	151 4		
	210 2	588	
	332 4	598	
	392 2	<u>118.6</u>	+122

1494			
2170	676		+108
3278	<u>636</u>		
3914	1312		+095

- b -

2423			Mean = 1.09
3026	603		
604	<u>619</u>		
1223	1222		+1.14

2424		110
3018	594	
536	<u>668</u>	
1204	1262	106
12 46.50		
<u>9 50</u>		
12 44 55		
12 44 29		
23437		

Jan 17-1923

B

12 155 30

238.8

3048

592

1196

660

604

1264

+105

V

2396

2998

596

1188

602

592

1194

+121

Sub A

2316

3916

1584

2114

600

610

1210

mean +118

+117

3306

3874

1482

2060

568

578

1146

+124

+131

12 59 20

12 57 25

12 56 59

2 34 37

13 00

C watch = 26^s fast by Bell

Jan 17/23.

VI

13 0930

3316

3906

1538

2122

590

584

1174

125

3226

3906

1572

2146

680

574

1254

+1.16

+108

B

Mean = +1.18

3626

190

2456

3072

564

516

1080

124

+146

574

+1.20

1226

2456

3018

652

562

1214

116

13 1335

13 1132

13 1106

23437.

Jan 17/23

B.

VII

13:19:37

572
1222
2394
3008

650
614

1264

+105

538
1224
2402
3014

686
612

1298

+102

+098

a

Mean = +1.18

1538
2138
3314
3902

600
388

1188

+122

1540

+1.34

2088
3342
3880

548
538

1086

145

13 24:15

43 52

13 21 56

13 21 30

28437.

Jan 17/23

a

VIII

13 ~ 34:45 1340

2104

564

3282

670

3922

1234

+112

1504

+105

2152

648

3263

653

3916

1301

+098

B

Mean = ~~13~~ +108

2408

3022

614

554

670

1224

1284

+101

2378

+112

2999

621

623

565

13 38 38

1188

118.6

+122

13 36 42

13 36 16

23437.

Jan 17/23

IX

B.

134930

242.2

2988

566

568

662

1230

122.8

+11.3

2340

3028

606

1160

688

554

1242

+112

110

a

3323

2868

1490

2082

545

592

1137

mean +116

+133

3280

3906

1500

2138

626

638

1264

+119

105

1315407

10337

135148

135122

23437

Jan 17 / 23

a.

X

14:05:39

150.4
2088
3312
3888

584
576
1160

+128

1472
2167
3338
3868

195
530
1225

+121

1.14

B

2409
2996
562
1204

587
642
1229

mean = +120

+113

2408
3002
~~1166~~
604
1172

594
568
1162

+120

+128

14 11:00

14 of 20

14 07 54

Jan 17 - 1923

XI

14:16:55

-18-

2412

2974

577

1256

562

679

1241

+1.10

2420

3018

610

1178

598

568

1166

118

+7.27

a

3378

3894

1538

2116

516

558

1074

Mean = +12.5

+14.8

3304

3874

1516

2166

570

650

1220

+1.32

14:20:55

+115

Jan 17 - 1923

14:22:50 a
3300
3902
1571
2076

602
305
110.7

+140

3284
3918
1555
2124

634
369
1203

+130

+11'9"

B
597
1218
2394
3022

621
628
1249

Mean = +120

+109

556
1244
2438
2978

688
540
1228

+111

+113

14 25:50

14 31:00 U. Sun

074922 Est 130

24

Friday Jan 19/23.

Lb obs

11 20

SS Cygni

213843

Est. ~~9:0~~ 8.8

STC rec

11:22

SS Aurigae

060547

Est 13:0

o Ceti

021403

Phot R.

11:25 25

Ind

16.0

444

284

var x dis.

1943

291

2234

575

296

17.1

306

438

267

1971

255

2226

522

317

284.2

3168

1052

1342

326

290

616

280

2840

3159

1044

1344

319

300

619

2.80

11-30 20

53-45
11 27 5-2

23439

✓

279

Jan 19 - 1923

12" Polar

Phot T

Juno

No 3

I

Object measured on 17 draw out
 found. Juno shot to be
 found tonight in position
 3 h. 13 min and 6 degrees 30' ^{min}
 Comp * = * @ 3 h. 13 1/2 min. - 0 42

11:45:25 Ind B

~~626~~ ~~Comp * dis.~~
~~1368~~ ~~742~~

New Comp * chosen

11:49:33 3278 " * dis

4068

790

1569

638

2207

1428

+072

3328

4031

703

+077

1582

674

2176

1377

+082

562

1414

852

Mean = +0.44

2375

810

3185

1662

+026

598

1404

806

+012

2236

1006

11 54 10 32 4.2

1812

1788

-002

11 52 02 494

11 51 17 494

235

Comp * = * @ 3 h 13.7 min - 0 3 min

26

Jan 19 - 1923

a.

H

11:57:55

53.4
1454
2347
3147

920
800
1720

+015

574
1364
2320
3154

790
834
1624

+024

+033

B

1477
2244
3338
4038

767
700
1467

46
mean = 20 $\frac{76}{76}$

+064

11577
2182
3281
4098

605
817
1422

+068

073

12 01 57

11 59 56

11 59 11

23439 1509

go match 45 seconds fast by bell

Jan 19- / 23

27

78

1.1

12:14:10

149.7

2247

3322

4022

750

700

1430

+067

1526

+0.70

2198

672

3300

748

4048

1420

+073

Q

2337

3194

616

1340

857

724

1581

Mean = +0.54

+042

0.3A

2411

3112

506

701

926

1627

033

12:18:00

1432

12 16 05

12 15 20

~~12 14 35~~

~~23439~~

23439.510

Jan 19-1923

III

12 28 45

a
2352

3216

542

1340

864

798

1662

+026

2376

3134

536

1346

758

810

1568

+035

044

-B-

3242

4102

1516

2210

860

684

1544

Mean = +040

049

3304

4028

1452

2302

724

850

1574

+046

043

12 32 40

12 30 42

12 29 57

23439.521

Jan 19-1923

IV

B
 12 37 55 3290
 4058
 1528
 2194

768
 666
 1434

+071

3360
 4012
 1446
 2276

652
 830
 1482

+066

+061

A
 556
 1402
 2426
 3184

846
 758
 1604

Mean = +053.

+037

580
 1308
 2352

+040

12 41 35 3198

728
 846
 1574

+043

12 39 55
 12 39 10
 21439.527

Jan. 19 - 1923

a.

VI

12 45 30

506

1390

2416

3142

884

726

1610

+036

618

1368

2384

3120

750

736

1486

+048

+060

B

mean = +051

1484

2232

3275

4070

748

795

1543

+049

1476

+054

2286

3333

4022

810

689

1499

+058

12 49.00

12 47 15

12 46 30

2 34 39.533

✓

Jan. 19-1923.

VII

73.

12.5845 1544
 2246
 3252
 4072

702
 820
 1522

+053

1466
 2268
 3326
 4012

802
 686
 1488

+056

+060

a.

2404
 3146
 533
 1366

742
 833
 1575

Mean = +050

+043

2402
 3158
 532

756
 801
 1557

+043

+043

13.0258 1353

13 00 52

13 00 07
 23429.542

Jan 19 - 1923

a

VIII

13. 07 40

2428

3158

538

1384

730

846

1576

+043

2282

3150

590

1336

868

746

1614

+039

+035

B

3310

4000

1488

2333

690

845

1535

Mean = 039

+051

3222

4098

1526

2206

876

780

1656

+039

+027

13-11-11

13 09 26

13 08 41

548

Jan. 19 - 1923

72.

18:1235 3332
 4018
 1496
 2244

686
 748
 1434

+071

1X

3298
 4100
 1558
 2198

802
 640
 1442

+070

+069

Sub a

Mean = +052

61.6
 1342
 2298
 3186

726
 888
 1614

+035

576
 1426
 2402

860
 764
 1624

+034

13-1610 3166

+033

1314 22

1313 3)
 551

✓

Jan 19-1923

13 24 20

58.8

137 2

235 4

320 2

784

848

1632

+ 032

X

464

138 8

2355

3186

924

831

1755

+ 008

+ 020

B

1524

2247

3274

4082

723

808

1531

Mean 02.9

+ 051

1394

2288

3298

4078

894

780

1674

038

024

13 28-30

13 26 25

13 25 40

23439.560

Jan 19 - 1923

-B-

XI

13.3040 151 2

226 4

317 6

410 2

752

926

1678

023

1469

2264

3272

4072

795

800

1595

+031

039

a

2404

3144

544

1383

740

839

1579

mean = 028

+042

2294

3216

583

13.3425 1368

922

785

1707

+025

017

133232

133147

23439.564

✓

Jan 19 - 1923

a

XII

40
13:39:05

2432

3143

544

1384

$$\begin{array}{r} 711 \\ 840 \\ \hline 1551 \end{array}$$

+048

2344

3212

536

1364

$$\begin{array}{r} 868 \\ 828 \\ \hline 1696 \end{array}$$

+034

+020

B

Mean: +032

3282

4056

1472

2356

$$\begin{array}{r} 774 \\ 884 \\ \hline 1658 \end{array}$$

+027

3220

4112

1484

2212

$$\begin{array}{r} 892 \\ 728 \\ \hline 1620 \end{array}$$

+030

+034

13 43:50

3 51

13 41 58

13 41 15

23x 39.570

Jan 19-1923

37

XIV

73

13 32:10

3271
4022
1442
2272

751
830

1581

+042

3236
4102
1444
2253

866
809

1675

+039

024

a

Mean = +030

622
1326
2306
3166

704
860

1564

+045

552
1398
2300
3200

846
900

1746

+28

+010

13 53:05

13 54:08

13 53:23

23K 39.578

✓

38

Jan 19. 1923

14 01:45

a

XIV

555
1364
2364
3126

809
762
1571

+044

602
1358
2284
3224

756
940
1696

+034

+020

B

1416
2342
3272
4042

926
770
1696

Mean = 032

+020

1346
2258
3228
4104

712
876
1588

030

14:05 38

040

14 03 42
586

U. Hen

07 4922

Est. 133

S. U. Jarvis

0543 19

Est. 9:5

14 15

J. Orionis

0530 05a

Est 10:0

Monday Jan 22 - 1923

L.C. obs 12. Plan Phot T. L.S.C. rec.
 11.45 Silygni 213843 Est 8.4

11.47 Saurer 060547 Est. 12.8

i Ceti 021403
 dend. B.

Phot. R.

11:49 15 1078

1308

287.7

3112

230

235

465

-3.43

1097

1308

2864

3146

-a-

158

408

1966

2200

211

282

493

336

330

mean = $\frac{919}{338}$
58.1

250

234

484

334

17.4

404

1982

2214

230

232

462

340

345

11:58.45

11 51 30

5

494

L

Jan. 22- 1923
Phot. T.

Inv. No 3. ~~Comp~~

Time found @ 3 h 15.6 m + 0° 12 m.

Comp * = * @ 3 h 16.2 m + 0° 25 m.

Ind-B comp * dis

12-9-36

172.7

2042

3478

3814

315-

336

631

+267

I

-1136

1498

2926

3334

362

408

770

+248

+228

Q.

-2064

2424

255

604

360

349

709

2.45
mean + ~~3.45~~

+248

2064

2422

233

622

358

389

747

+242

+236

12-14 30

12 12 3

2 34 42 508

12:00

✓ C's watch correct by bell.

Jan 22-1928

II

A-

$$\begin{array}{r}
 12:2350 \quad 2036 \\
 \quad 2410 \quad 374 \\
 \quad 298 \quad 290 \\
 \quad 588 \quad \underline{664} \quad +2.63
 \end{array}$$

$$\begin{array}{r}
 2056 \\
 2409 \quad 353 \quad +250 \\
 255 \quad 387 \\
 642 \quad \underline{740} \quad +238
 \end{array}$$

-B-

$$\begin{array}{r}
 2923 \\
 3358 \\
 1174 \\
 1527 \quad 435 \\
 \quad 353 \\
 \quad \underline{788} \quad \text{Mean} = 245 \\
 \quad \quad +223
 \end{array}$$

$$\begin{array}{r}
 2984 \quad +240 \\
 3298 \\
 1137 \\
 12:2715 \quad 1528 \quad 314 \\
 \quad \quad 371 \\
 \quad \quad \underline{685} \quad 256
 \end{array}$$

12 25 32

23442.78

✓

Jan 22 - 1923

B.

III

12 41.16

2926

3317

1136

1517

391

381

772

+2.28

2956

3317

1118

1494

361

376

73.7

+234

+239

a

247

636

2074

2418

389

344

73.3

Mean = +240

+240

266

596

2038

2400

330

362

692

+246

+253

12:45:19

12 43 18

23442.529

✓

Jan 22 - 1923

IV

5-
12:48-58 -A-
232
602
2059
2395-

370
336
706

+2.49

268
614
2047
2407

346
360
706

+2.49

+2.49

B
1142
1500
2944
3317

358
373
731

Mean = +2.95-

+2.41

1132
1022
2942
13 02 58 3321

390
379
769

2.29

13 00 54

2344 2.542

✓

Jan 22 - 1923

~~13~~

- B.

V

13:11:14

112:7

151 8

296 4

329 8

391

334

72.5

+243

1152

151 7

295 8

332 8

365

370

73.5

+241

+239

a

2024

2435

252

623

411

371

78.2

mean - 2.38

225

2056

2448

222

658

392

436

828

218

211

13-1500

13 13 07

23442.551

✓

Jan 22 - 1923

a

VI

13 25 1/2 205 4
 243 8
 258
 626

384
 368
 752

+234

2024
 2430
 240
 642

406
 402
 808

+217

~~225~~
~~226~~ + 226

B

Mean = +227

2967
 3347
 1138
 1498

380
 360
 740

+238

2

+228

2927
 3322
 1124
 1330

395
 406
 801

+219

13 29 05

13 27 08

2348 2560

Jan 22 - 1923

VII

3

B

14.3735

2916

3348

1166

1484

432

318

750

+2.35

2958

3324

1140

1528

366

388

754

+2.34

+2.33

a

214

636

2028

2398

422

370

792

mean = 2.30

+2.22

258

626

2028

2422

368

394

762

-2.26

2.31

3

14.41.50

13 39 42

2344.8.569

↓

Jan 22 1923

~~14:52:36~~ A
³ 14:52:36
 230
 642
 2037
 2432

412
 395
 807

+2.17

VIII

232
 622
 2036
 2463

390
 427
 817

+216

+214

B
 113.8
 1514
 2948
 3287

376
 339
 715

Mean = +225

+246

1148
 1514

+234

13
 14:56:40 3340

366
 428
 794

+221

13 54 38

22442.579

Jan 22- 1923

73.

~~IX~~

14:07-13

1109
1530
2932
3320

421
388
809

+217

1106
1538
2922
3338

432
416
848

+212

+206

a

Mean = +219

2042
2438
238
628

396
390
786

+224

1996
2432
263
603

436
340
776

+226

+227

14:11:21

14 09 17

2344.590

Jan 22 - 1923.

X

a-

14:22:22

2048

2424

228

622

376

394

770

+2.28

2054

2433

198

636

379

438

817

+221

+214

SB-

2968

3308

1159

1523

340

364

704

+235

+249

2976

3358

1176

14:26:35 1500

382

324

706

+249

+249

142x2A

234x2.600

Jan 22 - 1923

14:27-50

B

2922

3322

1148

1516

400

368

768

+229

XI

2956

3328

1144

1486

372

342

71.4

+238

+246

A

24.4

628

2043

2403

384

360

744

Mean = +238

236

240

622

2053

2411

382

338

740

237

23.8

14:31:58

14 29 57

14:35 - U. Gem.

07 49 22

Est 132

23442.606

✓

Tuesday Jan 23- 1923

Lb do

12' Polac.

Phot 5.

L.F.C. rec

11-18 Ss bygni 213843

Bldg cuts off-

11 20 Ss Amiga 060547

Ext. 12.8

Juno

No 3.

Same comp * as last night

Ind B

Comp * dis.

I

11:31:45

23.4

649

415

202.7

411

2438

82.6

+2.12

17.2

194

+170

721

549

2048

412

2460

961

+175

a

Mean = +222

1162

~~796~~

1494

332

2955

337

3292

669

261

1175

1589

334

-251

2940

396

11:36 20

3336

730

241

11 3402

11 3306

23400 #82

Jan 23 - 1923

a

1139.15

114.4
1528
2968
3327

384
359
74.3

+237

II

1146
~~1533~~
1548
2967
3312

402
345
747

+236

+236

Mean = +216

B

2022
2478
206
658

456
432
908

+189

2033
2431
188
644

398
456
854

+196

+204

11.43 45

11 41 30

11 41 24
2344.3.487

Jan. 23 - 1923

Dad B

11:50:28

202 4

247 8

255

638

454

383

837

+209

III

2016

2476

233

648

460

415

875

+204

+198

Dad A

290 8

331 3

116 2

103 2

405

370

775

Mean = +218

+227

293 3

330 8

118 8

11:54:45 106 2

375

374

749

+231

+235

11:52:36

11:52:30

23843.494

12:00

Cs Watch = 6^{sec} fast by bell

Jan 23 - 1923

4
12.8-10A
291.8
328.4
114.6
153.2366
386
75.2

+2.34

IV

293.3
329.8
115.6
149.8365
342
70.7+2.41

+2.48

B

223
61.4
203.2
243.6391
404
795

Mean = +2.30

+2.21

232
65.8
205.2
244.3426
391
81.7

+2.18

12.8-15

2.14

12 6 12
12 6 6
23443.504
✓

Jan. 23/1923

55

IV

B
12 20'00 23 8
61 8
199 7
245 2

280
465
845

+2.06

242
633
2028
2416

381
388
769

217

229

a

1174
1522
2930
3306

348
376
724

+243

Mean = +231

1146
1543
2966
3280

397
314
711

245

247

12:25:35

12 22 58

12 22 52

23443.516

Jan 23 - 1923

a

VI

12 34 10

1174
1527
2927
3346

343
419
762

+231

1130
1576
2912
3302

446
390
836

+220

+209

B

2054
2446
234
618.

392
384
776

mean = +225

+227

2026
2472
227
632

346
405
751

230

12 38 40

234

12 36 25
12 36 19
23443.525

Jan 23 - 1923 -

57

VII

B.

12:46:37

204.6

240.4

23.2

59.6

35.8

36.4

72.2

+2.43

204.8

245.6

22.2

61.8

40.8

39.6

80.4

+230

+218

- A -

294.6

331.3

115.3

157.7

36.7

42.4

79.1

Mean = +230

+2.22

293.2

330.8

116.6

152.2

37.6

35.6

73.2

+231

+240

12:50:45

12 48 41

12 48 36

23443.53X

✓

58

Jan 23 - 1923

VIII

13:05-25

a
 2967
 3300
 1136
 1560

333
 424
 757

+232

2971
 3322
 1182
 1548

351
 366
 717

238

245

B

258
 646
 2068
 2432

388
 364
 752

mean = +236

234

27.1

616

2052

2456

345
 404
 749

+234

+235

13:9:-15

13 / 20

13 / 14

23443.547

V

Jan 23 - 1923

59

	B			<u>TX</u>
13 20 45	22.2			
	608	386		
	2028	426		
	2454	812	+216	

	246		
	628	382	+220
	2068	404	
	2472	786	+224

	A		Mean = +2.35
	116.0		
	1588	348	
	2958	360	
	3318	708	+248

	1144		250
	1522	378	
	2951	317	
	3268	695	252

13 22 36

13 22 30

23443.557

✓

Jan 23 - 1923

a

I

13:43 00

118 0

151 8

294 8

335 8

338

41 0

748

+235

113 2

160 2

296 4

329 6

470

332

802

+227

+219

B

2074

2434

21, 2

662

360

450

810

Mean +224

+217

201 8

245 8

263

614

440

351

791

+220

+222

13 46 40

13 44 50

573

13 44 44

234 573

increasing

Observations difficult on account of
haze

Jan 23 - 1923 -

B

13:57.50

2061

2438

226

648

377

422

79.9

+220

XI

2050

2466

256

622

416

366

78.2

+222

+225

a.

2954

3306

1174

1574

352

400

75.2

Mean = +1230

+234

2918

3304

1207

1344

386

337

7.23

+238

+243

13:59.38

23463.583

Jan 23 - 1923

14 8:20 ^a
 2964
 3288
 1154
 1568
 324
 414
 738
 +238

2948
~~3324~~
 1176
 1514
 376
 338
 714
 +242
 +246

^B
 242
 594
 201.4
 2431
 352
 417
 76.9
 mean = +234
 229

220
 638
 2078
 2447
 418
 369
 78.7
 226
 223

14 12 03
 14 10 12

3443.590

Observations not considered so good
 since clouds began to form
 sky extremely hazy in S.W.

14:14 - U. Rem - 074922 / Est 132

Thursday Jan 25/1923

LB obs 12' Polar Phot T. FPL rec.
 11:28 SS legum 213843 Est. 8.7

11:35 SS Quigae 060547 Est. 128

o Ceti 021403 Phot VP
 Ind-a

11 35 35 20.2 Van. dis.

37 4 172

202.6 156

2182 328

- 4.21

21.8

-422

372 154

2021 170

2191 324

-4.23

Ind B

2902

3078

1116

1274

176

158

334

-4.17

2917

-412

3106

189

1112

162

1274

331

406

11 39:38

11 37 36

64

Jan 25 - 1923

o Cte again
B

11 42 07

2918

3074

1124

1292

156

168

324

-423

2914

3094

1098

1288

180

190

370

-408

-394

a

2009

2176

198

376

167

178

345

919
415
504

410

2018

2186

228

368

168

140

308

-422

435

11 46.35

11 44 21

✓

Jan. 25 - 1928.

Juno no 3

Phot R

Juno measured with faint X close by -

Position compared with X @ 3 h. $19^m + 0$ degrees 42^m .

Ind-A.

12. 0120

3502

4288

1717

2448

Juno dis. = the brighter

786

731

1517

-054

192

-050

948

756

1948

803

2751

1559

-046

TB.

Mean = +0.46

2836

3684

1078

1828

848

750

1598

-038

2833

3655

1090

1834

822

744

1566

-042

-045

12:0720

12 420

503

12 h.

6's match 22 sec's fast by bell ✓

66

Jan 25 1923

II

12:16 00

B

286.2

3633

1074

1812

771

738

1509

-0.56

2862

3631

1062

1872

769

810

1579

-0.49

-0.42

a

1908

2718

162

966

810

804

1614

Mean - 0.38

-0.35

1948

2752

148

1028

804

880

1684

-0.28

0.22

12 21:45

12 37 45

12 18 53

.513

Jan 25 - 1923

a

1232.00 1998

2747

148

944

749

796

1545

-0.49

1928

2728

152

1002

800

850

1650

-0.39

-0.29

B

1074

1863

2856

3708

789

852

1641

-0.30

Mean = -0.36

1088

1850

2844

3680

762

836

1598

-0.34

-0.38

1236.32

1268.32

1234.16

524

68

Jan 25-1923

B.

IV

12 45 35

11 1 2

184 2

285 3

369 3

730

840

1570

-044

116 2

186 8

283 3

366 6

706

833

1539

-047

-050

144

924

199 2

2740

780

748

1528

Mean = 050

-052

16 6

96 4

198 2

270 4

79 8

722

1520

-033

-034

12 50 15

12 95 50

12 47 55

.533

✓

Fair Motor Drive

Jan 25 1923

69

✓

13 230

a

14.8

949

801

2026

690

2716

1491

-059

122

-042

1014

892

1976

770

2746

1662

-026

B

Mean = -042

2796

3704

908

1079

749

1828

1657

-027

2894

-042

3688

794

1136

716

13 05.55 185.2

1510

-056

13 8 25

13 4 12

544

Abandoned: Too near
moonlight for such
faint objects

Jan 25-1923

Phot 15

13.20. U Gem. 074922 Est 12.8

V Lucas 062661.

Comp * = * @ 6 h = 5 m p 618.90
(8.0)

Ind - B

Comp * dis

13:33:25

1142

1522

2908

3308

380

400

780

+225

1172

1538

2922

3300

366

378

744

+230

+236

Mean = +224

a

2063

2426

168

688

363

520

883

+1.96

2034

2464

27.8

586

430

308

738

+217

+238

13-36:45

13 70/10

13 35/5

Jan 25 - 1923.

Phot 5.

71

Z Cancri

081615

dud B.

Comp * dno

13:46:20

12.8

698

570

1952

594

2546

1164

+127

148

+130

716

568

1955

571

2526

1139

+133

a

2834

3424

590

Mean = +122

1028

644

1672

1234

+112

2832

3414

582

+114

1000

638

1638

1220

+115

13 49 50

13 9 6 10

13 48 5

Comp * = DM + 15° 18 05' (72)

575

✓

72



Jan 25 1923

Phot. T.

2 Leonis

094627

dud. B

Comp * dis

14:2:45

2768

3498

972

1802

730

830

1560

+046

2776

3533

963

1774

737

811

1568

+045

+044

a

2736

3560

854

1784

824

930

1754

Mean = +036

+009

2782

3511

914

1744

729

830

1559

+028

+046

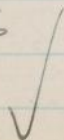
14 06 - 05

14 8 50

14 4 25

comp * = +27° 1819 (80)

.586



Saturday Jan 27- 1923

LC obs	12' Polar	Phot T.	S. J. C. rec
1120	SS Cygni 213843	Est 9.0	
1123	SS Aurigae 060547	Est- <u>12.8</u>	
	o Ceti	Phot T.	
	Ind-		
1129.33	3178		
	3322	144	
	1398	124	
	1022	<u>26.8</u>	-465
	3192		-452
	3340	148	
	1380	152	
	1532	<u>30.0</u>	-440
	Ind.		
	2281		919
	2424	143	Mean = <u>-4.46</u>
	491	149	4.73
	640	<u>29.2</u>	-4.46
	3264		
	2424	160	-440
	466	150	
113403	666	<u>31.0</u>	-433
63 58			
1131 59			
1131 29	480		
12'00	his watch 30 seconds fast by bell		

Jan 27- 1923

Phot T.

A B Aur. 044930 b

A B = Aur = the brightest of the 2 var
 S. U. Aur is a faint star along
 side of A B

Comp $\times = +30^\circ 7.62$ A. B. with comp \times

Dud. B

#.

12.6 25-

942

var dis
Comp \times

1714

772

2744

761

3505-

153.3

-0.51

900

1736

836

-0.42

2726

786

3512

1622

-0.34

a

Mean - 0.34

1842

2656

814

3573

863

4436

1677

-0.23

1818

2692

874

-0.26

60

766

826

1640

-0.30

12 945

12 8 05

12 7 35

506

Jan 27/23

84 Auriga truck Comp *
Comp * des

0449 30 a

1271015

110.6

~~1480~~

2930

3324

374

394

76.8

~~126~~

+ 229

1148

1498

2902

3360

350

458

808

2.23

+ 217

1973

2428

228

636

455

408

863

+ 201

2042

2443

236

663

401

4827

82.8

+ 206

+ 211

121315

2330

121145

121115

.507

76

Monday Jan 29/1923

Lb obs

11-32.

91M1

11-34

11-36 15

11-40 40

11 38 28

12' Polar Phot T. F.T. 6 sec

Lb bygui 213843. Est. 8.9

Lb Amgar 060547. Est. 127

o Ceti B 021403 Phot T. van der

139.6		
149 8	102	
320 1	121	
332 2	<u>223</u>	-505-

1404		
1512	108	-498
3191	<u>131</u>	
3322	23.9	-490

a		
488		919
60 6		mean -494
2296	118	<u>425</u>
241 2	<u>116</u>	
	23.4	-495

492		-490
621	129	
2298	<u>114</u>	
241 2	243	-486

485 ✓

Jan 29/1923-

77

A B Auigal 044930 ~~B~~

Phot 5

Id - B

same comp * as on 27th
var. dis

11 54 45 272.0

353 7

817

916

844

176 0

1661

-0.26

2726

3548

822

-0.33

974

770

1744

1592

0.40

Id A

mean = -0.32

3.3

80 3

770

1786

898

2684

1668

-0.25

32

-0.30

876

844

1862

772

11 58.00 2634

1616

-0.35

11 56 22

497

78

Jan 29/1923

SU

~~A B~~ Augae ~~K.~~ Comp * dis

11 58 20 2976 B

0449 30a

3307

331

1098

440

1538

77.1

+228

2942

+220

3366

424

1120

420

1540

824

+212

a

204

mean + 224

624

420

205.5

357

2412

77.7

226

251

606

355

228

2016

408

2424

763

231

12 01.39

12 00 00

.500

✓

Jan 29 - 1923

79

V Lyncis 062661 Plot T
Ind B Comp X dis

12 11.45	2894		
	3318	424	
	1190	309	
	1499	<u>73.3</u>	+240

2976		+234
3294	318	
1100	458	
1558	<u>776</u>	+227

a

192		mean = +225
652	460	
2026	399	
2425	<u>859</u>	+203

287		+216
651	364	
1982	406	
12 -1540 2388	<u>770</u>	+228

12 13 42

510

✓

Jan 29/1923

12' Polso

J. Lauri 081615 Phot T

Ind. B.

12 27 25

191.1

Comp \star his

262.1

710

9.3

580

673

1290

+1.00

1955

+1.08

2317

562

106

638

764

1220

+1.15

-a-

2823

Mean = + 1.12

3448

625

1056

566

1622

1191

+1.21

2830

3416

586

+1.16

1014

632

1666

1238

+1.11

12 32 50

12 29 42

521

Jan 29 - 1923

81

Phot P.

Z Leonis
Irid A

09 46 27

I

12:47:30 357.8

4433

1774

2662

Comp * dis

855

888

1743

+0.11

0.8

85.8

182.4

268.2

830

858

1708

+0.14

+0.17

B

92.2

175.2

269.2

355.8

830

866

1696

mean = +0.19

+0.20

890

1796

2746

3494

906

748

1654

+24

+0.28

12 51 27 3494

12 49 31

.535

Jan 29 - 1923

Z Leonis again sub Phot R.
Ind-B

12:

Impossible to use Phot R.
Stars too far apart.RZ Cassi 083232 Phot R.
Ind-B. Comp * dis

13:13:13

1152		
1548	396	
2933	360	
3293	<u>756</u>	+233

1132		
1484	352	+250
2902	304	
3296	<u>656</u>	+266

Ind A		Mean = +255
2074		<u>264</u>
2424	330	
256	342	
398	<u>692</u>	+253

2090		
2410	320	+260
266	332	
398	<u>652</u>	+267

13 16 28
 13 14 44

3449.545

(3 - 39)

Comp * = +32° 17 16 (6.5)
 Jan 074922 Est 11.0

Jan 29 - 1923 -

S. K. Amegre 050442 Phot. P.

Ind. - TB

13 47 55

$$\begin{array}{r} 856 \\ 1798 \\ 2768 \\ 3574 \end{array}$$

$$\begin{array}{r} \text{Comp} \times \text{Dis} \\ 942 \\ 806 \\ \hline 1748 \end{array}$$

+010

$$\begin{array}{r} 898 \\ 1764 \\ 2633 \\ 3613 \end{array}$$

$$\begin{array}{r} 866 \\ 980 \\ \hline 1846 \\ 175.4 \end{array}$$

0.00

-0.09

a

$$\begin{array}{r} 1838 \\ 2674 \\ 6.8 \\ 812 \end{array}$$

$$\begin{array}{r} 836 \\ 724 \\ \hline 1560 \end{array}$$

Mean + 0.25

+046

$$\begin{array}{r} 1888 \\ 2578 \\ 0.8 \end{array}$$

$$\begin{array}{r} 690 \\ 828 \end{array}$$

+0.50

13:51:25: 836

$$\begin{array}{r} 7518 \end{array}$$

+0.54

13 49 40

Comp \times = + 42.0. 1197 - (7.9)

.576

Jan 29 - 1923

E airm

0453 43

Phot R

Ind. A

var. dis.

14 00 35

50.4
38 8
232 6
238 8

84
62
146

-5.98

5.22
372
2318
2389

70
71
141

-602

-605

a

3223
3302
1432
1492

Mean =
79
60
139

+6.10

-608

3222
3292
1431
1488

70
57
127

-618

-628

14 04 23

14 02 29

544

Comp * = + 43° 11.68 (9.0)

14,00

6's watch = 15 sec slow by tell

Jan 29 - 1923

85

14^h 17^m 30^s

14^h 20^m 49^s

14^h 32^m 28^s

14^h 34^m 24^s

14^h 39^m 06^s

14^h 40^m 29^s

Large eyepiece at $+43^\circ$

Thin eyepiece at $+43^\circ$

Thin eyepiece at 0°

Tuesday Jan 20 1923
12' Plate

Phot T F Frec

11:22

Sluggish 213843

Est 94

11:24

Sluggish 060547

Est: 124

olecti

021403

Phot V

and B

11.33 35

1386

Var dis

1312

126

3183

143

3328

27.1

-464

1400

-475

1516

116

3198

128

3326

244

-486

a

Mean = - $\frac{919}{470}$
44.9

478

638

160

2300

118

2418

27.8

-4.57

484

-466

668

124

2286

132

2418

25.6

-475

11 38 13

11 35 54

23450.483

Jan 30 1923

87

Same again
Ded. A

o Ceti

11.4020

492

619

2282

2409

127

127

254

-477

494

618

2280

2420

124

140

264

-472

-468

B

3193

3318

1397

1518

125

121

246

Mean = $\frac{919 - 477}{442}$

-484

3179

3308

1404

1524

129

120

249

-482

-481

11 45.00

11 42.40

Final Mean = 4.46

487

Jan 30 1923

A B Ringae
Ind-B044930
var dis

b

Phot T.

11.51.6

2736

3493

932

1728

757

796

1553

-047

2747

3504

953

1722

757

769

1526

-050

-052

A

7.4

802

1783

2684

728

901

1629

mean = 040

-032

0.0

884

1844

2618

88.4

774

1658

-030

-027

11 53 00

11 53 03

494 ✓

Jan 30 / 23

S. A. Carr
C. B. Carr.

a

0449 30 ~~0~~

Phot F.

a

11:57:18

1114

1562

2942

3374

Comp star dis

448

432

880

+1.97

1150

1316

2910

3344

366

434

800

+208

+219

B

2004

2464

244

396

460

332

812

Mean = + 2.12

+216

2036

2426

18.2

596

390

414

804

+217

+218

12:01 22

118 40

11:59 20

499


Jan 30/1923

V Lyrus 062661 Phot T
Ind-

12

No use to continue,
 Tail piece cannot
 be removed from telescope
 Moon too bright &
 seeing too poor.

Repair clock

oil tail piece


Phot T.

Wednesday Feb. 7-1923

Lb obs

12' Polar

F. J. Cree

Sb Cygni 213843: Regions too low.

11.27 Sb Aurigae 060547 Est. 10.9

11-30 U. Gem. 074922 Est. 12.5

12

A B. Aurigae 044930 f. Phot. J.

Ind. - B

11:40 ~~30~~

952

vac. des.

1723

771

2718

824

3542

159³

-039

916

1796

888

-038

2778

732

3510

1612

-036

a

1888

2538

2.3

881

650

858

150.8

-056

-046

1824

2723

84

802

899

718

1617

-035

11:44.06

11:42.36

11:42.18.487

Feb. 7 - 1923

S. U. Arunga 044930 a

Phot T

11 45 10

31.6

518

2198

2298

Comp \star dis

202

100

302

+4.39

387

487

340

488

100

148

248

+ 4.60

+4.82

Mean = +4.51

B.

306 6

319 4

127 6

146 4

128

188

316

+4.29

4.42

3058

3178

1272

1120

160

280

+ 4.55

11.50 20 1432

Reject above group; wrong star measured

Feb 7- 1923

St. August

Same again Phot 5.

36
11-~~11~~ 11

202.2

2448

222

662

Comp * dis.

426

440

866

+20.1

2006

2482

236

638

a

2944

3372

1057

1584

476

402

878

+199

+197

428

527

955

Mean = +190

+177

2866

3426

1168

1524

560

356

916

+182

187

12000

11586

.499

1200

6's watch 30 seconds fast by bell.

Feb 7 - 1923

o Ceti.
Ind. B021403

Phot. V

12:06:03

3210
3322
1414
1494Van der
112
080
192

-538

3211
3298
1408
149187
93
180

-545

-552

a
2306.
2398
512.
59892
86
178919
Mean = 550
3.69

-554

2322
2397
508
60875
100
175

-556

-558

12 10:08
12 8 6
506

12-25

Naked eye estimate

B.8

✓

Feb 7 - 1923

U. Lyricis
Ind - B

06 26 61

Phot ~~5~~ 5

12:33:45

2893

comp * dr

3332

439

1166

358

1524

79.7

+220

2966

+241.

3284

318

1184

348

1532

66.6

+262

a

mean = +250

290

622

332

2074

352

2426

684

+256

259

+ -259

636

377

2084

290

2374

66.7

+262

12 37:40

12 35 42

.525

Feb 7-1923

SX Ann

050442

Plot 25

12 -48:20

Ind - B.

2688

3587

964

1724

comp *

899

760

1659

des

+027

2758

3513

922

1786

755

864

1619

+000

+034

Ind A

1.4

872

1908

2592

858

684

1542

mean = +040

+049

82

788

1840

2668

706

828

1534

+050

+051

12 -51 22

12 9 9 42

12 49 51

53

Feb 7-1923.

97

	Ind - B	E Aur.	045343	Phot R
12 56 58	1422	var des		
	1502	80		
	3222	72		
	3294	<u>152</u>	-5.89	

1430			
1496	66		-616
3226	52		
3278	<u>118</u>		-644

Ind A		Mean = -	6.24
528			
588	60		
2323	64		
2387	<u>124</u>	-633	

528		633
584	56	
2316	68	
2384	<u>124</u>	633

13
~~12:01.45~~
 12 11 8 43

12 59 22

541

98

Feb 7th 1923

Σ J. Canari

081615

Inc. B.

13 12 35

250.8

376.2

72.4

200.4

248.4

376.8

68.0

201.6

125.4

128.0

253.4

106.6

128.2

133.6

261.8

+ 98.2

+ 150

+ 160

+ 170

Inc A

98.8

168.4

276.2

348.8

69.6

72.6

142.2

Mean = + 1.19

+ 0.73

97.6

171.4

283.3

347.4

73.8

64.1

137.9

+ 0.78

+ 0.82

13 16 25

13 14 30

552

756.7th 1923
R 2 Cancie 083232

Line B comp & div

13 24 05

296.0

336.1

113.8

152.2

x

292.6

335.8

117.4

150.4

40.1

38.4

78.5

+ 2.24

x

+ 2.28

43.2

33.0

76.2

+ 2.31

Line A

28.3

57.2

213.7

241.2

28.9

27.5

56.4

+ 2.60

+ 3.00

+ 2.93

30.9

58.0

267.6

246.6

27.1

33.0

60.1

+ 2.86

13. 2655

13 24 30

-559

Z. Lsonis
Feb. 7 1923

13 ~~28~~ 39 10

Z Lsonis 094627
Sun B. ~~over~~ ^{Count} air

279.8
345.5
98.4
172.4

65.7
74.0

139.7

+ 0.78

278.7
347.0
103.0
169.0

68.3
66.0

134.3

+ 0.84

Index A

5.8
83.6
184.0
265.9

77.8
81.9

159.7

+ 0.60

+ 0.39

5.2
96.0
187.0
265.8

84.8
78.8

163.6

+ 0.35

+ 0.31

13 43.30

13 41 20

570

Feb. 7th 1923

W. Mrs Maj. 093558

Ince B. Conf. * dis

Phoe. T

14 04 30

158.8

58.6

198.0

248.8

42.8

508

 93.6

+ 1.82

10.0

63.4

192.1

246.2

53.4

541

 107.5

+ 1.48

+ 1.65

Ince A

104.6

157.2

274.8

343.3

94.8

52.6

685

 121.1

+ 1.17

94.8

166.6

242.0

14.08.55-341.4

71.8

594

 131.2

+ 0.95

1.06

14 14 25

14 7 12

588

Feb. 7. 1923

1425 45 a W. Mrs Maj. 093558 II

1018

1372

2727

3494

554

767

1321

+094

70

902

+097

1604

702

2804

580

3389

1287

+100

73

Mean = +125

1968

2412

7.2

718

444

646

1090

+144

1938

+153

2472

534

144

480

624

1014

+162

14 29 20

14 55 5

14 27 32

✓ .603

Feb 7 - 1923

103

Inf B

III

1452.50

2012

2492

68

688

480

620

110.0

+1.42

1912

+140

2524

612

14.6

302

648

111.4

+139

Inf A

Mean = +107

2800

3408

922

166.0

608

738

1346

+088

2686

3498

978

1456:00

1630

812

672

1484

+074

+061

145425

621

104

Feb. 8 1923

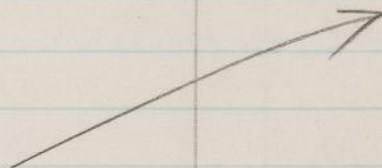
S. S. Ann. 060547

11.50

11.8 sec.

J. 9m. 074922

11.54

11.8O Ceti 021403

Feb. 8 1923

105

O Ceti 021403

Phi R

11 53 45 140.4 var. dia. Iner. B.

151.8

11.2

319.2

12.0

331.2

23.2

4.97

141.2

150.0

8.8

5.04

318.4

12.8

331.2

21.6

5.12

Iner A

49.4

61.4

12.0

228.8

11.4

~~48.0~~23.4

240.2

4.95

9.9

4.99

4.20

50.0

11.6

4.94

61.6

12.0

229.2

23.6

4.93

128250

241.2

1211635

125817

.540

Observation made through
considerable haze. Does this affect the
max. value or not?

106

Friday Feb. 9 - 1923 -

C. obs
12:00:0SS Aurigae 06 05 47 Too Cloudy -

P. P. C. rec.

Saturday, Feb. 10, 1923.

L.C. Obs.

L.C. Jr Rec.

11-53-0 S.L. Aurigae 060547 Est. 12.8
11-59-0 U. Gem. 74922 Est. 13.2

1212:38 o. beti
Ind. A

21403

var. dis.

Photo R

50.2

9.6

59.8

10.6

230.2

20.2 - 5.27

240.8

- 5.30

50.3

10.0

60.3

9.6

230.6

19.6 - 5.33

240.2

Ind B.

Mean = $\frac{9.19 + 5.34}{3.85}$

320.8

09.6

330.4

9.0

140.8

18.6 - 5.45

149.8

- 5.38

320.9

10.1

331.0

9.8

140.3

19.9 - 5.30

150.1

12:6:40

12 4 39

503

12:8:0

naked eye est = 3.7

Feb. 10, 1923.

I II

12:23:40

Ind B.

Juno comp. $\times = \times$ at $3^{\circ} 38''$
 $+ 3^{\circ} 58'$

93.3

71.4

164.7

60.4

280.2

131.8 = + 0.94

340.6

Phot I.
Comp. \times obs.

96.8

67.9

+ 0.91

164.7

66.7

277.6

134.6 = + 0.88

344.3

Ind. A.

Mean = + 0.82

185.3

75.1

260.4

64.3

7.4

139.4 + 0.79

71.7

0.74

188.2

67.2

255.4

76.5

2.2

143.7 + 0.70

12:27:20

78.7

12 25 30

12 25 40

518

Feb. 10, 1923.

109

II

12:31:0 Incl. A.

181.1	78.7
259.8	<u>66.9</u>
7.7	145.6 + 0.66
74.6	

+0.62

187.2	67.0
254.2	<u>82.1</u>
358.3	149.1 + 0.59
440.4	

Incl. B.

Mean = +0.86

277.4	67.8
345.2	<u>58.9</u>
101.3	126.7 + 1.05
160.2	

1.10

282.8	51.5
334.3	<u>69.8</u>
97.2	121.3 + 1.16

12:34:40 167.0

65 40

12 32 50

12 33 04

523

Feb. 10, 1923.

III

Incl. B.

12: 47: 30

94.6

68.2

162.8

62.0

278.4

130.2 + 0.97

340.4

$$\begin{array}{r} 1.08 \\ + 0.56 \\ \hline \end{array}$$

101.8

59.4

161.2

61.3

281.3

120.7 + 1.18

342.6

Incl. A.

Mean = +0.83

186.2

74.8

260.2

66.8

8.0

140.8 + 0.76

74.8

0.78

187.8

65.8

253.6

72.7

5.6

138.5 + 0.80

12: 51: 2

78.3

12 49 16

12 49 30

$$\begin{array}{r} 1.335 \\ \hline \end{array}$$

Feb. 10, 1923.

IV.

Ind C4.

12:57:45 181.8

259.2

1.4

74.9

77.4

73.5

150.9 + 0.56

+ 0.57

185.8

257.4

1.6

79.6

71.6

78.0

149.6 + 0.58

Ind B.

272.8

348.6

99.4

159.8

75.8

60.4

136.2 + 0.85

Mean = + 0.75

+ 0.93

280.9

339.4

96.6

58.5

69.6

128.1 + 0.02

13:0:20 166.2

5

1259 02

1259 16

12^h 0^m

541

Watch 14 seconds slow
by bell.

✓

Feb. 10, 1923

V

Ind. B.

13 : 2 : 20

274.2

73.4

347.6

58.2

102.6

131.6 + 0.95

160.8

+ 0.94

280.0

58.2

338.2

73.6

92.4

131.8 + 0.94

166.0

Ind. A.

Mean + 0.78

0.0

81.0

81.0

68.9

185.8

149.9 + 0.58

254.7

+ 0.62

1.8

72.4

74.2

73.3

185.3

145.7 + 0.66

13 : 5 : 50

258.6

8	10
13	4 05
13	4 19

.544

Feb. 10, 1923

VI.

Ind A.

13:15:3

3.8

74.0

77.8

72.8

185.0

146.8 + 0.64

257.8

+ 0.68

10.8

62.5

73.3

80.0

181.2

142.5 + 0.72

261.2

Ind B

Mean = + 0.85

92.7

67.9

160.6

61.6

275.8

129.5 + 0.99

337.4

101.4

58.8

+ 0.03

161.2

65.8

278.6

125.6 + 1.07

344.4

13:18:50

33 53

13 16 56

13 17 10

553

114

Feb. 10, 1923.

VII

13:30:43

Incl B.

97.8

68.0

165.8

62.2

210.4

130.2 + 0.97

342.6

9

+ 0.89

99.3

68.5

167.8

69.5

276.8

138.0 + 0.81

346.3

Ind. A.

Mean = + 0.82

183.0

77.8

260.8

69.5

8.3

147.3 + 0.63

77.8

+ 0.76

189.8

63.8

253.6

75.0

0.0

138.8 + 0.80

75.0

13:34:6

49

13 32 24

14

13 32 38

565-

Feb. 10, 1923.

VIII

Incl. OA.

13:46:13

182.6

76.8

259.4

59.2

11.4

136.0 + 0.86

70.6

+ 0.66

185.4

68.4

253.8

87.2

358.4

155.6 + 0.47

430.6

Incl. A.

Mean = + 0.89

278.4

64.2

342.6

54.8

102.0

119.0 + 0.21

156.8

+ 1.12

283.2

56.2

339.4

70.8

97.6

127.0 + 1.04

168.4

~~13:47:58~~

16 11

13 48 06

14

13 48 20

.575

116

Feb. 10, 1923

H

Incl. B.

14:7:26

277.7

66.5

344.2

58.1

102.8

124.6 + 0.10

160.9

+1.15

285.5

51.1

336.6

68.7
+10.5

345.4

119.8
+61.6 + 1.20

95.9

Incl. A.

164.6

^{11.2}
258.8

74.3

75.5

64.8

186.0

139.1 + 0.79

250.8

Mean +1.00

5.9

67.4

+0.84

73.3

67.6

187.6

135.0 + 0.88

255.2

14:12:44

20 10

14 10 5

14

14 10 19

.590

✓

Feb. 10, 1923.

X

Incl. A.

14:22:7

4.4

73.0

77.4

78.0

186.8

151.0 + 0.56

254.8

+ 0.67

8.9

64.9

73.8

75.0

184.8

139.9 + 0.78

259.8

Incl. B.

Mean = +0.96

99.0

68.0

167.0

50.3

285.2

118.3 + 1.23

335.5

+ 1.24

101.4

55.3

156.7

62.5

280.8

117.8 + 1.24

343.3

14:25:38

47 45

14 23 52

14

14 24 6

.600

Feb. 10, 1923.

XI

Incl B.

14:36:15

98.2

64.6

162.8

55.6

282.2

120.2 + 1.19

337.8

+1.09

100.4

58.4

158.8

70.4

274.0

128.8 + 1.00

344.4

Incl C.

Mean = 0.97

186.8

71.4

258.2

63.2

9.2

134.6 + 0.88

72.4

+0.85

195.2

62.4

257.6

75.5

0.0

137.9 + 0.82

75.5

14:39:34

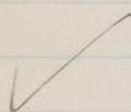
75.4.9

14 37 54

14

14 38 8

610



Feb. 10, 1923.

119

XII

Incl. A.

14:54:41

181.7

73.9

255.6

63.6

8.8

137.5 + 0.82

72.4

+ 0.73

186.8

65.4

252.2

80.6

1.6

146.0 + 0.65

82.2

Incl B.

Mean = + 0.84

276.8

65.0

341.8

62.0

97.8

127.0 + 1.04

159.8

279.6

62.8

342.4

74.0

97.7

136.8 + 0.84

+ 0.94

14:58:12

171.7

112 43

56 22

14

14 56 36

. 623

120

February 10, 1923

XIII

15: P : 21

Incl. B.

273.8

340.8

100.8

160.9

278.4

339.8

98.2

162.8

Incl. C.

5.9

71.4

185.6

250.8

10.8

70.8

180.9

256.6

67.0

60.1

127.1 + 1.04

61.4

64.6

126.0 + 1.06

65.5

65.2

130.7 + 0.96

60.0

75.7

135.7 + 0.66

+ 1.05

Mean = + 0.98

+ 0.91

15: 11: 46

15 20 7

15 10 4

.631

February 19, 1923

XIV

15:13:51

Ind. A.

7.2

69.2

76.4

68.8

189.4

138.0 + 0.81

258.2

+ 0.76

9.8

63.0

72.8

60.0

179.8

143.0 + 0.71

259.8

Ind. B.

Mean = + 0.84

97.0

66.3

163.3

65.0

275.8

131.3 + 0.95

340.8

97.8

61.1

158.9

73.7

+ 0.91

273.0

134.8 + 0.88

15:17:4

346.7

15:30:55

15:15:27

-6:35

Observations become increasingly
difficult as region gets lower.

✓

122

11.3-2

Friday Feb. 16 - 1923
 12.1 P. Star ~~Phot T. L. P. Crec~~
 W. Augie 06 05 47 Est 13.0

11.33-

U Gem. 07 49 2.2 Est 9.7

o Ceti 02 14 03 Phot R.
 Ind. Eye Est. 3.4

X: 12-08. variable red

Impossible to set telescope
 far in declination due to
 tightening of declination
 control wire.

Feb. 16 - 1923

123

W. Urs. Maj 093556

Phot J

Ind. B

I

12:1852

~~64.4~~

181.2

Comp ~~dis~~ ~~dis~~

250 8

596

11.2

610

72 2

1206

+118

1878

+103

2538

660

38

689

727

1349

+088

a

mean = +114

2814

3417

603

1028

390

1618

11.93

+121

2838

3413

575

+125

1033

579

12 2300

1612

1134

+129

4157

12 2058

3467.515

431

+1084

Reg Cor = +.004 = 6^m

124

Feb 16 - 1923

II

a

12.2845

$$\begin{array}{r} 2860 \\ 3412 \\ 1040 \\ 1628 \end{array}$$

$$\begin{array}{r} 552 \\ 388 \\ \hline 1140 \end{array}$$

+133

$$\begin{array}{r} 2808 \\ 3448 \\ 1042 \\ 1580 \end{array}$$

$$\begin{array}{r} 640 \\ 538 \\ \hline 1178 \end{array}$$

+124

128

B

$$\begin{array}{r} 82 \\ 708 \\ 1937 \\ 2506 \end{array}$$

$$\begin{array}{r} 626 \\ 569 \\ \hline 1195 \end{array}$$

mean = +120

120

7.0

$$\begin{array}{r} 722 \\ 1922 \\ 2538 \end{array}$$

$$\begin{array}{r} 632 \\ 616 \\ \hline 1248 \end{array}$$

112

105

12 32.05

12 30 25

$$\sqrt{\begin{array}{r} .521 \\ 431 \\ \hline .090 \end{array}}$$

Feb 16 1923

78.

III

12 43 49

12.2

68 2

560

197 3

523

249 8

1083

+1.45

10 8

+130

69 5

587

193 3

630

256 3

1217

+116

a

Mean = + 1.36

102 2

163 8

616

284 8

436

338 4

1032

153

102 8

1.42

167 2

644

287 2

506

12 47 15

337 8

850

1.30

11

12 45 32

532

431

+ .101

Feb 16 - 1923.

a

III

12:49:30

2798

3398

1049

1589

600

540

1140

+133

2868

3414

1002

1594

546

592

1138

+133

+133

B

78

678

1888

2469

600

581

1181

Mean = +132

+123

186

682

1884

2574

496

630

1126

+130

136

12:52:20

101 50

12:50:55

✓ 535

431

104

Feb 16-1923

Feb B

V

12:03:05

11 0
68 4
195 4
249 5

574
341
1115

+138

12 0
66 6
192 6
248 0

546
334
1100

+140

+142

a

Mean = + 136

105 8
160 8
280 9
340 6

550
397
1147

131

100 0
157 0
285 5

570
573
1143

+132

+132

13 0639

3428

9 44

13 0452

.545

431

.114

Feb 18 - 1923

VI

13:14:52

a.

1008
1558
2890
3370

550
480
1030

+158

1055
1340
2900
3380

485
480
965

+166

+174

B

Mean = +143

1948
2484
122
732

536
610
1146

131

+120

1933
2533
40
684

600
644
1244

110

13 17:58
12 42

13 16 21
✓
553
431
122

Feb 16 1923

171

13:2820

B

1942

~~2480~~

178

630

538

452

990

+168

1972

+170

2487

154

616

515

462

977

+171

C

Mean = + 171.

2870

3358

1066

1536

488

470

958

+176

2844

172

3363

1049

1526

519

477

996

167

13 31:40

13 30 00

.562

431

.131

130

Feb 16+1923

13 33:45

a
2882
3364
1036
1518

482
482
964

+175

~~111~~

13

2868
3352
1052
1544

484
492
976

+174

+172

B

Mean = +172

159
612
1940
2438

453
498
951

+178

158
670
1980
2489

512
509
1021

~~178~~

+170

36
13 35:50

2489

+161

35

13 35:18

566

431

.175

✓

Feb 16 - 1923

5058 73
 13 ~~5058~~ 114
 674
 2028
 2433

360
 405
 965

174

155
 398
 1968
 2494

443
 426
 869

187

200

Mean = +182

1058
 1498
 2869
 3353

440
 484
 924

+185

1044
 1344
 2898
 3396

300
 498
 998

+176

+166

135425

135242
 578
 431
 147

Feb 16 - 1923

dud a

X

14:09-07

107.9

1500

2868

~~3502~~

3448

421

580

1001

+165

980

+160

1558

2916

2378

578

462

1040

+156

78

1968

2444

108

680

476

572

1048

Mean +159

134

1955

+158

2428

128

669

473

541

1014

+162

14 14 45

23 52

14 11 56

592

431

161

Feb 16 1923

133

X1

14:27.00

Jul B

~~2502~~

11.8

678

1914

2502

560

588

1148

+131

116

698

1968

2484

582

516

1098

+136

+142

a

Mean = +1.26

984

1568

2832

3398

584

566

1150

+130

959

1636

2806

3418

677

612

1289

115-

+100

14 30 25

17 25

14 28 42

603

588

005

Feb 16 1923

14:32 02

a
 966
 1614
 2854
 3378

648
 524
 1172

+125

X 11

984
 1604
 2843
 3388

620
 545
 1165

+126

+127

B

1916
 2506
 100
 724

590
 624
 1214

Mean = + 130

+116

1932
 2494
 132
 622

562
 490
 1052

+134

+153

14 35 02

7 00
 14 33 32

604
 598
 009

Feb 16 - 1923

135

XIII

41 B.
~~14:42:00~~ 1933
 2508
 150
 698

575
548
 1123

+136

1943
 2484
 94
 679

541
585
 1126

+136

+136

a

Mean = + 132

2798
 3372
 990
 1552

574
562
 1136

+134

2824
 3417
 1018

593
604

+127

14:44:45 1622

1197

+120

540

1442 52

613

598

-015

136

Wednesday Feb 21 - 1923

L. J. C. m.c.

0 Citi'

021403

Phot R.

Ind. B

11
12:51 45

3220

var dis

3282

62

1422

60

1482

122

-6.37

3221

-616

3298

77

1422

70

1492

147

-5.96

a

2316

2392

320

594

76

74

150Mean = $\frac{919 - 607}{3.12}$

-5.92

2314

2380

514

590

6.6

76

142

-5.98

-6.04

11
12:56 20

8 05

11:54 02

496

Feb 21 - 1923.

07
12 145 S Aurigae 06 05 47. Est. 130

12-10=10 U Gem 07 49 22 Est 114

R.L. Eri 04 39 10 Photometer V.
dud. A var dis

12 23:25 214.8
2532 384
384 380
764 764 - 230

Comp * = * $4^h 37^m - 10^h 50^m$
Just N. + following the var

2138
2550 412
355 403
758 815 - 215

78.
1264
1649
3078
3448

Mean = $\frac{2.28}{-234}$

385
37.0
755 - 233

(-245)

131.9
1616 297
3072 383
12 28 20 3455 680 - 257

11 45
12 25 52

.578

Feb. 21 - 1923

12 48 40 A. B. Aurigae 044930 ϕ Phot. T.
 led. B. vander
 85 8
 171 3 85.5
 261 1 837
 344 8 1692 -020

914
 1704 790 -042
 2766 672
 3438 1462 -065

led. A
 180 0
 260 4
 337 4
 442 8
 804
 854
1658 Mean = -030
 -027

12 51 45 1787 -018
 2660
 3366 873
 4447 881
1754 -009

25
 12 50 12

535

Feb 21 - 1923

139

St Arago

a -

comp x

044930

dis

12 5205 1033

1326

2933

3316

493

383

876

+198

1104

1308

2927

3302

404

375

779

+212

+226

B

1988

2412

166

610

424

444

868

Mean = +199

200

1966

2462

163

646

496

483

979

186

12 55.00

7 05

12 53.32

1.71

537

Feb. 21 - 1923

S. K. Arnegal 050442 Photometer P.
Ind. 78 Comp ~~dis~~ dis

13:09 13.

864

1740

2780

3452

876

672

1548

+048

928

1688

2710

3484

760

774

1534

+050

+051

-a-

1692

2636

3563

4458

944

895

18391761

Mean = +020

-007

1750

2710

3316

4426

960

910

18701730

-010

013

13 12 45

21 58

13 10 59

545

Feb. 21 - 1923

13:30:10

V Lyncis

06 20 61

Def. B

Comp * dis

300 8

323 0

123 6

147 6

222

240

462

+345

2980

3244

121 4

147 5

264

261

525

+330

+316

a

268

622

2042

2433

354

391

745

Mean = +288

+236

224

616

2108

2398

392

290

682

+246

+257

13 34.15

x 25

13 32 12

.563

Close in west

Feb. 21 - 1923

14:14 ⁵⁰ Z Cancri 081615 Photometer F
 Ded. B

6.6	Comp star dis	
757	691	
1912	652	
2564	<u>1343</u>	+089

88		+085
760	672	
1884	710	
2594	<u>1382</u>	+081

Ded a		Mean +098
983		
1684	701	
2844	629	
3473	<u>1330</u>	+092

1618		+1.10
1658		
2897	640	
3418	521	

14 17 45		+1.28
<u>12 35</u>	1161	
14 16 18		

594

✓

Feb. 21 - 1923

143

RZ Cancri 083232

Phot T

dnd

1412540

B

Comp * dis

2976

3304

328

1144

342

1486

670

+2.61

2966

3286

320

+2.62

1155

347

1502

667

+2.62

a

Mean = +2.62

278

588

310

2108

300

2408

610

+2.82

230

+2.62

596

366

2074

364

1428.17

2438

730

+2.41

1357

142658

602

2

144

L.C. obs

Friday Feb 23-1923

F.H.C. Rec.

W. Urs. Maj.

Ind. B

093556 Photometer F.

11: 47 25

1884

Comp. x dis

I

2648

764

6.6

748

814

151.2

+ 0.55

1904

+ 0.56

2648

744

38

737

815

1501

+ 0.57

a

Mean = +1.11

2908

3348

440

1070

338

1628

99.8

+ 1.66

2902

+ 1.66

3388

486

1098

316

1614

1002

+ 1.65

11 50 53

11 49 20

11 49 30

23474.493

056

Feb 23 - 1923

145

II

113618 Ind A

290.0

3428

1128

1608

528

480

1008

+164

2894

3386

1098

1604

592

506

1098

+153

~~+098~~ +142

73

28

786

1879

2579

758

700

1458

Mean = + 1.10

+066

84

804

1889

115915 2612

720

723

1443

+068

+069

11533

115746

115806

3428499

162

Feb 23 - 1923

Ind B

12.6.00

94
784
1915
2600

690
685
1375

+082

III

74
798
1928
2585

724
657
1381

+082

+081

a

1064
1600
2900
3402

536
502
1038

Mean = +1.9

+156

1064
1574
2906
3438

570
532
1042

+156

+153

12 09.00

12 7 30
12 7 50

3474.506

437

.069

✓

Feb 23 1923

147

IV

12:1738- 1018
1655-
2886
3414

637
328
1165

+127

1062
1612
2938
3424

550
486
1036

+142

+157
~~136~~

78.
1977
2578
96
736

601
660
1261

Mean = +118

+106

1904
2600
120
798

696
678
1374

+094

+083

12 20:40
18
12 19 09
12 19 29
3475 513
432
.076

Feb 23 - 1923

V

12:2850

73
191.8
2598
8.4
834

680
750
1430

+071

1936
2596
104
755

660
651
1311

+084

+096

R

Mean = +106

2858
3436
1023
1632

578
609
1187

+122

2888
3448
1038
1616

560
578
1138

+128

+133

12 31 50

40

12 30 20

12 30 40

3474.522

403
085

Feb 23 / 23

VI

12 39.40

a
2850
3472
1057
1397

622
340

1162

+128

2804
3470
1098
1618

666
320

1186

+128

+122

78.

114

738

1938

2599

624
661

1285

Mean = + 115

+101

142

766

1944

12 42.42 256.6

624
622

1246

+105

+109

22

12 41.11

12 41.31

347K.529

437

.082

Feb 23 - 1923

Ind B

VII

12 49:00

118
755
1964
2522

637
558
1195

120

147
730
1952
2574

583
622
1205

+119

+118

a

Mean = +1.26

1087
1608
2900
3424

521
524
1045

+155

1080
1666
2816
3484

586
668
1254

+1.32

+1.08

12 51 50

12 50 25

12 50 45

3474.535

437

✓ .098

Feb 23 - 1923

151

VIII

$\times 3.0325$
 1058
 1627
 2842
 3408

569
 566

 1135

+134

1082
 1636
 2878
 3420

554
 542

 1096

+138

+143

B

Mean = + 130

1977
 2555
 149
 682

578
 533

 1111

+139

1933
 2555
 132
 777

622
 645

 1267

+122

+105

13 56 20

 9 45

13 04 52

13 05 12

3478.545

437

 108

L

Feb 23 - 1923

13-19.16

$$\begin{array}{r} 73 \\ 200.2 \\ 2533 \\ 158 \\ 708 \end{array}$$

$$\begin{array}{r} 531 \\ 550 \\ \hline 1081 \end{array}$$

+1.46

TX

2038

2526

17.2

698

488

526

$$\begin{array}{r} 1014 \end{array}$$

+1.54

+162

Q.

2884

3402

1046

1602

518

556

$$\begin{array}{r} 1074 \end{array}$$

Mean = + 152

+148

2882

3408

1058

1585

526

527

$$\begin{array}{r} 1053 \end{array}$$

150

153

13 22.20

41 36

13 20 48

13 21 08

3474.856

437

$$\begin{array}{r} .119 \end{array}$$

Feb 23 1923

X

13 34:37 ^a 292 2

337 7

102 7

162 9

285 9

3455-

1106

1560

455

602

1057

+152

596

+153

434

1000

+154

B.

Mean = +1.63

216

662

1998

2529

4

246

531

977

+170

178

108

21040

2470

530

430

960

+176

13 37:40

1336 ¹⁷ 08

13 36 28

23474 ⁵⁶⁷

427

.130

Feb. 23/23

XL

1350 00

B	
198	
628	430
2032	454
2486	<u>884</u>

+196

192	
698	506
2020	482
2502	<u>988</u>

+182

+169

A

Mean = +175

1164	
1564	460
2900	502
3402	<u>962</u>

+175

1068	
1588	520
2914	502
3416	<u>1022</u>

+168

13:5300

+160

13 51 30

13 51 50

234) 4.578

14 00

627
141

C's Watch = 20 sec. slow by bell

Feb 23/23

XII

14:3:15

a

101.4		
1660	646	
2898	490	
3388	<u>1136</u>	+134

1082		+142
1618	536	
2874	523	
3397	<u>1059</u>	+151

B.

Mean = + 162

1996		
2504	508	
220	438	
658	<u>946</u>	+179

2028		
2498	470	+182
17.8	458	
14:06 41	<u>636</u>	+1.84

9 56
14 04 57
14 05 18

23874.587
437
150

156

Feb 23/23

14:1530

B

202.8

2472

444

~~2618~~

576

108

1020

+1.61

684

+1.60

1988

2538

550

200

478

678

1028

+1.59

a

Mean = +1.48

2904

3398

494

1062

604

1666

1098

+1.42

2933

3486

553

1022

602

1624

1155

+1.29

+1.36

14 19 00

14 17 15

14 17 35

23474.596

427

159

Feb 23/23

157

XIV

1430.08	2886		
	3418	532	
	1024	623	
	1647	1155	+129

2852			+122
3455	603		
998	620		
1618	1223	+114	

B			Mean = +137
168			
688	320		
2018	488		
2316	1008	+164	

189			+152
698	509		
1962	594		
143325	2556	1103	+141
6333			

143146

143206

23874	606
	604
	002

Feb. 23/53

14.4320

B

17.4	
664	490
2018	<u>520</u>
2538	1010

+1.63

127	
694	567
1963	<u>554</u>
2517	1121

+1.37

+1.50

a

1055	
1655	600
2833	<u>647</u>
3480	1247

mean = +1.2⁶

+1.09

1017	
1714	697
2834	<u>613</u>
3467	1300

+1.02

14 46 30

9 50

14 44 55

14 45 15

.615

604

✓ 011

+0.96

Feb 23/23

~~XVI~~14:58:30 α 1038

1633

284.4

3464

595-

620

1215

+116

1048

1614

2802

3498

566

696

1262

+111

+106

 β

1916

2538

172

714

622

342

1164

+127

1972

2537

146

15:01:45

718

565-

572

1137

+130

133

35-

15:00:10

15:00:30

23474.626

604

022

160

Thurs. March, 1, 1923Obs.
L.C.Rec.
L.C.Nr.O. Beti' 21403
Ind. BPhoto R
I

11 152: 5

322.4

6.0

Var. dis

328.4

7.4

141.8

13.4

-6.16

149.2

- 6.02

322.2

7.8

329.0

7.5

142.2

15.3

-5.87

149.7

Ind. A

Mean

9.19
5.72
3.47

231.3

9.3

240.6

9.2

50.4

18.5

-5.46

60.6

230.8

9.4

-5.42

240.2

9.9

48.9

19.3

-5.37

58.8

11 156: 20

11 54 12

Observations very difficult in
haze, fog and moonlight.

496

✓

12:

Ind B

Месит

12 : :

Sat. March 3 1923

U Ceti | 021403 | Photo R

Index A

~~70220~~

12

~~235.6~~

X 03 20

230.8

8.3

239.1

7.4

51.8

15.7

5.82

59.2

231.9

8.3

240.2

7.9

57.1

16.2

5.75

59.0

Index B.

141.2

149.3

8.1

~~20.~~

9.5

320.6

17.6

5.57

330.1

17.6

9.129
56.63.53
mag.

5.54

141.1

150.2

9.1

321.1

9.1

5.50

330.2

18.2

12

X 06.55

10 15

12 5 8

Sat. mag. sys = 95.3K

150.3

March 3 1923

PP. 2 Si 043910 Phot. TP

 $\frac{12}{\times 1620}$

Inca B.

comp. \times div.

305.5

349.6

128.9

164.2

441

353

 79.4

+ 2.21

308.8

342.4

125.8

160.4

33.6

34.6

 68.2

+ 2.39

+ 2.57

Inc. G.

217.8

251.8

40.9

72.8

34.0

31.9

 65.9

+ 2.48

+ 2.65

216.8

254.0

40.0

73.3

37.2

33.3

 70.5

+ 2.57

+ 2.49

 $\frac{12}{\times 2025}$

21822

512

✓

March 3 1923

A. B. Angus 0 44 930 b Phot T

Index B

var. air sign -

✓
25 20

96.6

166.2

278.2

347.6

69.6

69.4

139.0

- 0.79

98.8

171.0

275.7

346.6

72.2

70.9

143.1

- 0.75

- 0.71

Index A.

- 0.44

184.8

268.2

352.3

484.0

83.4

91.7

175.1

- 0.09

183.6

270.9

5.0

88.0

87.3

83.0

170.3

0.

- 0.14

- 0.18

✓
27 15

12 26 18

51F

March 3 1923

165

52 Canis 044930a Ph.T.
~~emp~~ di.
 In. A.

12
 28 45

113.8

153.9

290.6

336.6

40.1

46.0

86.1

+ 2.02

115.8

154.8

297.2

335.9

39.0

38.7

77.7

+ 2.26

+ 2.14

June 13.

203.6

247.2

21.4

73.7

43.6

52.3

95.9

+ 1.76

+ 1.90

198.4

253.2

22.6

70.2

54.8

47.6

102.4

+ 1.60

+ 1.68

12

31 25

12 40 10

12 30 5

.521

166

March 3 1923

SX Aurigar 05-0442

Photo T

13

8 15-30

100.2

Incl. B

Com x dis

162.8

62.6

276.2

72.2

348.4

$$\frac{134.8}{+ 0.88}$$

100.3

170.9

285.5

343.6

70.6

58.1

$$\frac{128.7}{+ 1.00}$$

Incl. G

188.8

263.8

353.6

~~80.8~~

340.8

75.0

87.2

$$\frac{162.2}{+ 0.34}$$

+ 0.60

186.7

264.8

5.7

79.4

78.1

72.7

$$\frac{150.8}{+ 0.17}$$

+ 0.26

(3

18 40

13 34 10

13 17 5

553

Monday Mar. 5, 1923

Lobs

GMT Ceti
Inda

021403

Phot R

SPC rec

12.02.37

2320

2392

522

587

var dis

72

63

137

-6.11

2321

2398

514

599

77

85

162

-5.93

-5.75

B

142.2

1483

3222

3304

Mean =

919

598

321

61

82

143

919

-602

1422

1480

3214

3298

58

84

142

-603

-604

12.06.30

12.04.34

12.08.

~~D.3~~

Est = 9.3, 6 R.

503

168

March 5 - 1923

RZ Ei

043910

Phot R

Ind. B.

van der

12: 14:55

130 6

163 8

332

310 6

327

343 3

657

-2.65

133 0

159 8

268

311 4

319

-2.78

343 3

587

-2.91

-a

366

76 0

2170

2366-

394

396

790

Mean = -2.50

-2.22

348

740

392

-2.22

2150

390

792

-2.22

2340

-12-19 20

15

12 17 08

512
✓

March 5 1923

169

SM Aur.

044930a

Phot T.

led B

comp * dis

12:29:45 17 4

68 8

2048

2448

514

400

914

+1.88

217

682

2027

2476

465

449

914

+1.88

+1.88

a

1124

1538

2966

3316

414

350

764

Mean = +2.07

+2.30

1166

1537

2918

12:33:40 3342

1231 42

.522

371

424

795

226

2.21

170

Mar, 5, 1923

ARB Anna

0449306.

Plot 1.

12:34-10

4.4

var dis

798

754

1794

908

2702

1662

-026

3.0

-015

930

900

1824

866

2690

1766

-006

B

1008

Mean -041

1712

704

2807

709

3516

1413

-075

978

-067

1744

766

2790

724

3514

1490

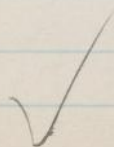
-059

12 37 00

11 10

12 35 35

525



March 5 - 1923.

SX Ann

050442

Phot.

Index B

vadis

12:47 45 195.8

2698

3508

986

943

97.8

192.1

167.9

+ 0.23

1672

2798

3544

97.4

1126

143.0

1256

1344

+ 0.56

+ 0.89

A.

2712

3598

856

1882

886

1026

191.2

162.8

+ 0.21

2683

366.3

858

12:51 40 185.8

1

98.0

1000

198.0

162.0

0.28

+ 0.34

Mean = + 0.42

Wrong star observed

172

March 5 - 1923

S X Aur
Ind B.

050442

Phot. P.

13:01.25

283.6

~~Van der~~

comp X dis

3468

632

902.

853

1755

1485

+060

2778

+059

3558

780

974

720

1694

1500

+058

a

mean +0.42

6.4

870

806

1776

912

2688

1718

+016

3.4

834

820

+024

1832

816

2648

1636

+0.31

13:04:40

5

13 03 02

13 02 12

.542

13.00

CS watch 50 seconds fast by bell

March 5-1923-

173

V Lyn
del - B

062061

Phot T.

13:1425

2076

2402

248

65.4

comp ~~*~~ dis

326

406

732

+240

2034

2446

276

614

412

338

750

+2.38

+235

R

Mean = +252.

3002

3258

1152

1504

256

332

60.8

+283

2933

3334

1206

1496

401

290

691

+268

+254

13:1757

22

13 16 11

13 15 24

552

174

March 5 1923.

Z Lancer
Ind. B08 16 15- Phot. V.
Comp & dis

13:26.05

$$\begin{array}{r} 12 \ 2 \\ 76 \ 4 \\ 189 \ 4 \\ \hline 260 \ 6 \end{array}$$

$$\begin{array}{r} 642 \\ 712 \\ \hline 1354 \end{array}$$

+087.

$$\begin{array}{r} 11 \ 6 \\ 81 \ 2 \\ 187 \ 6 \\ \hline 257 \ 8 \end{array}$$

$$\begin{array}{r} 696 \\ 702 \\ \hline 1398 \end{array}$$

+082

+078

Ind. A

Mean = + 1.22

$$\begin{array}{r} 108 \ 4 \\ 166 \ 0 \\ 291 \ 0 \\ \hline 341 \ 4 \end{array}$$

$$\begin{array}{r} 376 \\ 404 \\ \hline 980 \end{array}$$

+1.71

$$\begin{array}{r} 1098 \\ 1614 \\ 2863 \\ \hline 3406 \end{array}$$

$$\begin{array}{r} 516 \\ 343 \\ \hline 1059 \end{array}$$

+1.61

13 29.34

3406

+1.51

13 55 39

13 27 50

561

March 5-1923.

R 2 Caucui

0832 32

T Phot 5.

Ind. B

comp & dis

13:37 30

2988

3248

260

1178

426

1504

686

+255

3004

+271

3282

278

1184

320

1504

598

+287

a

Mean = +266

297

~~26~~

604

307

2098

349

2447

636

+266

266

+262

642

376

2106

303

13 41 50

2409

679

+258

13 78 20

13 39 10

569

176

777 amph 5 1923.

Z Lennis
Dad B

094627

Comp X des

Shot

13 52 20

286.2

340 2

100 4

170 4

540

700

1240

+1.11

2795

3454

986

1718

659

732

1391

+0.95

+0.79

a

11.2

870

1833

2720

758

887

1645

Mean = +0.68

+0.29

3.8

894

1828

2393

856

685

1541

+0.40

+0.50

13 55.45

13 108 5

13 54 2

-579

March 5-1923

RT Hyd

0824057

Plot T

Ind. B

comp with the 8.6 due to var.

14:26 27

3.8

var. dis.

864

826

1868

790

2658

161.6

-035

44

-045

846

802

1898

712

2610

1514

-055

-A-

Mean = - $\frac{860}{7.94}$

1008

1698

690

2807

690

3497

1380

-081

978

-086

1643

665

2823

665

14:30 20

3488

1330

-092

14:57 49

14:28 54

603

March 5 1923

U Hydrae 10 82 12
~~Est~~ B varies

14: 41. 17

3048

3222

1248

1452

174

204

378

- 389

3036

3224

1246

1455

188

209

397

- 384

- 379

a

mean = -376

318

533

2144

2338

215

194

409

- 372

340

548

2140

2352

208

212

420

- 369

- 366

14. 4420

14 8537

14 4248

.613

Fri. March 8 - 1923.

179

L. b. Obs.

L. b. Jr. Rec.

~~Obeti 021403 Est.~~

180

Eastern
Standard Time
4Horton Obs.
Thursday, March 8, 1923

12 5	094211	R Loris	100	
12 20	110506	S Loris	100	
12 32	<u>120905</u>	T Virginis	<128.	(= 131?) difficult
12 42	<u>121418</u>	R Comae	72	(374)
12 55	115919	R Comae	= 132	difficult
13 00	120012	SC Virginis	100	
13 05	122001	SS Virginis	87	very red.
13 10	122532	T Comae	105	
		meter 9 mag. travelling toward P.A. 80°		
13 20	<u>122803</u>	4 Virginis	115	
13 27	123307	R Virgin	79 ±	hard comparison.
13 35	124204	RU Virginis	128	
14 00	124606	U Virginis	87	diff. comp
		meter, rapid, yellow, toward P.A. 310°		

23487

Friday, March, 9, 1923.

S.M.T.

L.C.Obs.

12 07

0 beti

021403

Est. 9.4

3h Key

Region too low for 12"

3.2

W Un Maj 093556

Plot 7

P.A. B

12 11 136

193.4

62.4

comp x dis

I

255.8

80.7

0.1

143.1 + 0.71

80.8

+ 0.68

191.0

74.4

265.4

72.0

10.2

146.4 + 0.65

82.2

P.A. A

Mean: + 1.18

292.4

47.4

339.8

54.8

106.4

102.2 + 0.60

161.2

+ 1.68

285.3

53.3

338.6

42.6

113.6

95.9 + 0.76

12:15:19

156.2

12 13 28

12 13 7

509

#

Mar. 9, 1923.

II

Phot. T.

12:25:39

Ind. A

290.4

46.8

337.2

56.6

107.4

103.4

+1.57

164.0

+1.60

286.8

54.0

340.8

47.0

112.4

101.0

+1.63

159.4

Ind. B

Mean = +1.10

10.8

69.0

79.8

75.0

187.4

144.0

+0.69

262.4

+0.61

6.4

77.9

84.3

74.0

188.0

151.9

+0.54

12:29:10

262.0

12 27 24

12 27 03

.519

✓

Mar. 9, 1923.

III

Ind. B

12 : 34 : 25

9.4

66.2

75.6

74.3

193.3

140.5 + 0.76

267.6

+ 0.88

9.7

65.3

75.0

64.4

192.8

129.7 + 0.99

257.2

Ind. A

Mean = + 1.28

113.0

52.5

165.5

49.1

291.8

101.6 + 1.62

340.9

+ 1.68

109.2

49.5

158.7

46.8

291.4

96.3 + 1.75

12 : 37 : 50 338.2

12 15

12 36 8

12 35 47

525

Mar. 9, 1923.

IV
~~III~~

12:45:16

Ind. A.

108.8

50.0

158.8

46.5

295.5

96.5 + 1.74

342.0

+ 1.71

111.8

45.0

156.8

53.6

286.4

98.6 + 1.69

340.0

Ind. B

Mean = 1.29

190.8

70.0

260.8

66.7

9.9

136.7 + 0.84

76.6

+ 0.87

193.3

65.5

258.8

67.7

9.7

133.2 + 0.91

77.4

12:48:33

$$\begin{array}{r} 12 \quad 48 \quad 33 \\ 12 \quad 46 \quad 33 \\ \hline 12 \quad 46 \quad 33 \end{array}$$
Watch is 21^s fast by Bell.

12 46 33

~~12 46 33~~

. 533

✓

March 9. 1923.

185

V

12:53:30

IND. B.

194.2

64.5

258.7

68.6

8.2

133.1 + 0.91

76.8

+ 1.00

#

194.6

66.4

261.0

61.6

13.3

128.0 1.02

74.9

IND. A.

Mean = 1.29

289.8

51.6

341.4

50.6

109.0

102.2 + 1.60

159.6

+ 1.58

287.0

55.2

342.2

48.6

109.8

103.8 1.56

12:56:30

158.4

10

12:55:00

12:54:39

538

March. 9. 1923.VI

13:3 : 27

Incl. A

292.4

48.8

341.2

51.8

108.0

100.6 + 1.64

159.8

+ 1.66

292.2

48.2

340.4

50.4

111.2

98.6 + 1.69

161.6

Incl. B

Mean + 1.35

141.6

58.7

73.3

66.7

196.3

125.4 + 1.08

263.0

+ 1.04

138

62.9

78.7

66.5

193.3

129.4 + 0.99

13 : 6 : 5

259.8

9 32

13 4 46

17 4 25

544

✓

March 9, 1923.

187

VII

13: 9 :0

Ind. B

12.6

62.6

#

75.2

63.0

190.8

125.6 + 1.07

253.8

+ 0.96

6.2

73.4

79.6

63.0

95.4

136.4 + 0.85

258.4

Ind. A

Mean. = 1.41

109.8

49.6

159.4

48.6

290.2

98.2 + 1.70

338.8

+ 1.87

110.4

42.4

152.8

43.0

296.6

85.4 + 2.04

13: 11 :34

339.6

13 10 17

1309 56

548

March. 9, 1923.

Incl. A

VIII

13:17:59

111.4

50.4

161.8

42.1

295.3

92.5 + 1.45

337.4

+ 1.77

110.4

48.4

158.8

50.4

290.0

98.8 + 1.69

340.4

Incl. B

Mean: 1.37

198.7

61.0

259.7

66.7

9.7

127.7 + 1.03

76.4

+ 0.97

197.9

61.5

259.4

71.4

13:20:45

6.4

132.9 + 0.92

77.8

38 44

13 19 22

13 19 01

.555

✓

IX

13:22:30

Ind. B

198.2

53.6

251.8

73.2

7.4

126.8 + 1.05

80.6

+ 0.88

201.6

54.2

255.8

60.6

14.8

114.8 + 1.31

75.4

Ind. A

Mean. ~~1.44~~ 1.44

291.2

52.6

343.8

48.0

111.4

100.6 + 1.64

159.4

292.4

46.8

339.2

49.8

112.0

96.6 + 1.74

+ 1.69

13:25:0

161.8

7 30

13 23 45

13 23 24

.558

March. 9, 1923.

Ind. A

X

13:31 :49

110.2

49.0

159.2

47.6

289.8

96.6 + 1.74

337.4

+1.78

110.6

45.6

156.2

48.2

288.8

93.8 + 1.81

337.0

Ind. B.

Means. 1.48

195.8

59.2

255.0

57.2

17.6

116.4 + 1.27

74.8

+ 1.18

196.4

60.4

256.8

62.4

14.8

122.8 + 1.13

77.2

13:34 :40

~~13:33:29~~

13:33:14

13 32 53

, 565

March 9, 1923.

191

XT

13: 44 : 48

Ind. B.

197.4

58.1

255.8

51.6

18.8

110.0

+ 1.42

70.4

+ 1.36

201.3

57.5

258.8

57.8

16.6

115.3

+ 1.30

74.4

Ind. A

Mean + 1.75

291.8

45.9

337.7

37.1

114.7

83.0

+ 2.11

151.8

+ 2.14

294.4

43.0

337.4

37.0

13: 47 : 55

116.8

80.0

+ 2.19

153.8

12 43

13 46 22

13 46 01

5-74

March 9, 1923.

Incl. A

XII

13 : 49 : 30

293.2

42.0

325.2

46.5

111.9

88.5 + 1.95

158.4

+ 1.84

292.2

54.6

346.8

42.5

112.9

97.1 + 1.73

155.4

Incl B.

Mean + 1.65

16.6

54.6

71.2

52.7

201.6

107.3 + 1.48

254.3

19.8

56.6

+ 1.46

76.4

52.8

200.2

109.4 + 1.43

13 : 52 : 20

253.0

101 50

1350 55

1350 34

577

March 9, 1923.

193

XIII

IND. B

14:01.5

15.5

55.4

70.9

50.0

201.8

105.4 + 15.3

251.8

+ 1.54

13.8

55.9

69.7

49.1

201.2

105.0 + 1.54

250.3

IND A

MEAN = + 1.45

112.2

43.4

155.6

40.0

296.6

83.4 + 2.10

336.6

111.4

40.0

+ 2.17

151.4

38.5

296.2

78.5 + 2.24

11:3:0 334.7

3 5

1451 32

1401 11

March. 9, 1923.XIV

14: 10: 50

Incl. A.

113.0

41.8

154.8

37.6

296.4

79.4 + 2.21

334.0

+ 2.18

113.4

41.5

154.9

40.0

294.4

81.5 + 2.15

334.4

IND. B

Means: - + 1.86

198.8

56.7

255.5

52.8

17.6

109.5 + 1.43

70.4

198.4

53.0

+ 1.54

251.4

49.0

17.7

102.0 1.61

66.7

14: 14: 5

14 24 55

14 12 27

14 12 6

592

✓

March 9, 1923VV

14:19:34 Incl. B
 201.8 50.0
 251.8 50.4
 18.2 100.4 + 1.65
 68.6 + 1.64

204.0 46.4
 250.4 55.0
 17.8 101.4 + 1.62
 72.8

Incl. A Mean. 1.89
 111.4 41.0
 152.4 39.4
 294.8 80.4 + 2.18
 334.2
 + 2.14

111.2 45.6
 156.8 37.4
 296.2 83.0 + 2.11

14:22:47 333.6

x2 21

14 21 10

14 20 49

196

Mar. 9, 1923

IND. A.

XVI

14:23:45

113.8

38.4

152.2

34.6

298.2

73.0 + 2.41

332.8

+ 2.34

113.8

37.6

151.4

39.5

295.5

77.1 + 2.28

335.0

IND. B

Mean = + 1.91

197.2

51.0

248.2

59.0

19.6

110.0 + 1.42

78.6

+ 1.44

200.4

49.0

249.4

58.2

15.2

107.2 + 1.48

14:26:40

73.4

10 25

14 25 12

14 24 57

.601

March 9, 1923.

IND. B

XVII

14:32:46

194.8

59.0

253.8

54.4

17.4

113.4 + 1.34

71.8

+ 1.41

197.6

53.3

250.9

54.0

20.8

107.3 + 1.48

74.8

IND. A

Mean = +1.69

295.4

43.0

338.4

46.0

110.8

89.0 + 1.94

156.8

+ 1.94

290.2

48.6

338.8

37.2

114.2

85.8 + 2.03

14:35:40

151.4

5 26

14 34 13

14 33 52

607

Mar. 9, 1923

IND. A

XVIII

14. ' 36, ' 45

294.8

41.6

336.4

42.5

116.4

84.1 + 2.08

158.9

+ 2.08

292.6

43.6

336.2

40.4

112.0

84.0 2.08

152.4

IND. B

Mean = +1.70

16.6

55.0

71.6

54.7

196.7

109.7 + 1.42

251.4

17.4

58.0

+ 1.32

75.4

60.6

193.8

118.6 + 1.22

14:39:45

254.4

15 30

14 38 15

14 37 54

.610

✓

March 9, 1923.

199

IND. B.

XIX

14: 44: 40

10.8

58.0

68.8

57.6

196.8

115.6 + 1.29

254.4

+ 1.30

16.7

57.7

74.4

57.0

196.8

114.7 + 1.31

253.8

IND A

Mean = +1.50

108.4

45.4

153.8

55.0

289.4

100.4 + 1.65

344.4

+ 1.70

111.8

48.0

159.8

48.6

298.8

96.6 + 1.74

14: 48: 48

340.8

14 46 2X

14 46 03

.615

March 9, 1923

IND. A

XX

14:53 :23

110.8

46.7

157.4

50.0

288.8

96.7 + 1.74

338.8

+ 1.78

112.6

46.4

159.0

47.4

293.8

93.8 + 1.81

341.2

IND. B

Mean = 1.46

195.5

60.0

255.5

63.6

13.8

123.6 + 1.141

77.4

1.141

196.6

60.0

256.6

62.0

13.4

122.0 + 1.15

14:56 :20

75.4

9 43

14 54 52

622

✓

March 9, 1923.

XXI

15: 4: 5

Ind. B

197.8

61.0

258.8

59.4

14.4

120.4 + 1.18

73.8

+ 1.12

197.7

59.7

257.4

65.0

12.0

124.7 + 1.09

77.0

Ind. A

Mean. + 1.43

291.8

50.2

342.0

47.1

110.9

97.3 + 1.72

158.0

286.6

56.0

+ 1.65

342.6

47.1

110.9

103.1 + 1.58

15: 17: 15

158.0

11 20

11-5-40

11-5-1.9

.628

March 9, 1923.XXII

IND. A.

15:15:6

291.8

48.0

339.8

59.8

1041.0

107.8 + 1.47

163.8

+ 1.54

290.0

51.0

341.0

50.5

107.9

101.5 + 1.62

158.4

IND. B

Mean. 1.28

9.4

66.1

75.5

61.2

195.8

127.8 + 1.03

257.5

13.4

63.0

+ 1.03

76.4

64.4

194.8

127.4 + 1.03

15:18:6

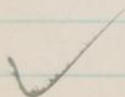
259.2

13 12

15 6 36

15 6 15-

629



March 9, 1923XXIII

IND. B

15:25:27

14.2

64.2

78.4

56.6

196.4

120.8 + 1.18

253.0

+ 1.07

10.8

65.9

76.7

65.0

193.3

130.9 + 0.96

258.3

IND. A

Mean 1.24

103.7

55.6

159.3

58.3

288.7

113.9 + 1.33

347.0

+ 1.33

104.7

60.8

165.5

55.0

15:28:10.7

287.8

115.8 1.29

342.8

15 53 37

15 26 48

.644

204

GMT,

Saturday March 10, 1923

H. O. Eaton.

- 14 07 060547 SS Aurigae < 124 < 130
- 14 22 061647 V Aurigae 122
- 14 36 065111 γ Monocerotis $122 \pm = 91 \text{ on } 1^h$
- 14 45 065355 R Lynx 113 (117, 112, 115)
- 14 55 072811 T Canis Min, 120 (121, 125)
- 15 10 073723 δ gemin. 132 (136, 127)
- 15 20 083019 U Cancer < 124 < 9 (grand X invis.)
- 15 45 063308 R Monoc. $118 \pm$
- 15 55 090425 W Cancer 103

Sunday Mar. 11 - 1923

Lb obs

Pl m T.

12' Pole L. Rec

~~R 2 Erid.~~ 043910
~~Ind. BA~~

Phot. R.

12:17 53

214.0

var. dis

2598

458

34.4

403

747

861

-202

2130

-196

2588

458

294

400

744

90.8

-1.89

Ind. B.

1328

Mean = -215

1672

344

3083

400

3483

744

-236

1288

-234

1658

370

3062

384

12:22:28

3446

754

-233

12 40 13

12 20 7

.514

~~84 Ave Mar~~ 11 - 192384 Ave
Ind- TB.044930a Phot 5
comp & dis

12 27.00

201.2

2463

178

778

451

600

1051

+153

1898

2558

214

724

668

310

1178

+138

+124

Ind a

300 2

332 2

1133

1577

320

444

764

mean +187

+230

2956

3388

1198

1488

432

290

722

236

+243

12 30 35

12 57 35

12 28 47

.520



Mar 11 / 23

207

A. B. Ann
 Ind A

044930⁶
 v. d. d. s

12 2953

3490

4518

1858

2666

1028

808

1828

1772

+005

66

900

1738

2690

.844

952

1796

+002

-001

73

993

1688

2868

3433

695

365

1260

Mean - ~~0.046~~ 0.046

-106

1074

1718

2784

3524

644

740

1384

-093

12 3435

126428

123214

.522

+080

March 11 - 1923

Phot. I.

S K Aur
Ind B.0500442
Comp x dis

12:52 19
1009
1676
2794
3566

667
772
1439

+070

1038
1718
2839
3522

680
683
1363

+078

+085

A.

1840
2628
28
898

788
870
1658

+029

1842
2664
3594

822
950
1772

+017

+065

12 5530 924

12 10 749

12 53 54

.537

Bothered by clouds in this group

Too many clouds to continue to
advantage

PHOT. OBSERVATIONS LEDGERED UP TO HERE

71
71 m23

209

RV Puppis 2

