

KG  
11365  
663

12" Polar.

Oct. 4 - '27.



HG 11365,663











$\zeta_4$  $0 \quad 16 \quad +41.4$  $0 \quad 51 \quad 57$



KG 11365.663





Tuesday Oct. 4-1927

12" Polar Phot. P.

9 C. obs

6-53

β Cygni 213843 Est 117 ✓ I

X Lac. 224455-

V Lac. 224555-

X Lac 224455- Comp. ★ dis.

sup-B

7-215

2128-

2462

334

336

278

614

612

+281

2170

2388

218

+318

352

225-

377

443

+354

-a-

3025-

3345-

320

1505-

391

1596

711

+247

2955-

3386

431

+226

1152

422

7-0625

1574

853

+204

7205 20

2758.502

2



Oct 4 - 1927

V Lac  
a

Comp &amp; dis

I

7-07 45'

2980

3404

1194

1564

424

370

794

+221

3042

3308

1228

1532

266

304

570

+260

+298

B

Mean = +286

39.8

612

2174

2452

214

278

49.2

+331

852

663

2174

2448

311

274

585

+312

+292

7-11:10

7 09 28

12 08 23

2452 506

25158

Oct. 4- 1927

	B	V	Red	II
7-2715	U. Lac Def B 332 638 2162 2493	306 331 <u>637</u>	+2.73	
	358 616 2158 2426	258 268 <u>526</u>	+294 +316	
	a		Mean -	+277
	3050 3348 1204 1555	298 351 <u>649</u>	+268	
	3042 3388 1200 1546	346 346 <u>692</u>	260 253	
7-3135				
7 29 25				
12 28 20				
57 rd. 519				



Oct 4/1927

X Lac  
a

TB

7-32 ps

3042

3386

1188

1611

344

423

767

+229

3038

3330

1226

1540

292

314

60.6

+286

+284

TB

mean = +297

362

626

2175

2412

264

237

501

327

343

626

2144

2454

283

310

593

+308

289

7 36 05

7 34 10

12 33 5

~~2155~~

2175 f. 523

Oct 4 - 1921 -

Phot P

8-1850

V. Z. Cyg.

214742

Ind. P

Comp &amp; dis

I

~~1712~~

2860

3500

1078

1708

640

630

127.0

+104

2911

3502

1140

1638

591

498

1089

+124

+144

Ind. P -

278

728

2072

2513

450

441

89.1

Mean = +140

+194

218

808

1979

2598

590

619

1209

+156

+117

8-23 40

F 21 10 05

13 20 00

S 2515 556

C



Oct 4 - 1927

A

8-30.00

21.3

80 0

587

1972

656

2628

1243

+ 1.10

268

804

536

+134

2033

49.3

2526

1029

159

B

1102

1648

546

2901

607

3528

1153

130

Mean = +123

1064

1698

634

+112

2868

684

3552

1318

+094

8 34.10

8 32 05

13 31 00

25158.563

C

Oct. 4 - 1927

Photometer P.

R.P. Qti.  
B

012700

Obs and dec. +2.2  
Comp & dis. I

8-56.30

2948

3440

1188

1606

492

418

91.0

+1.89

2912

3487

1108

1644

575-

536

111.1

+164

+139

- A -

mean = +161

208

758

1993

2622

530

629

1179

+124

256

706

2087

2536

450

449

89.9

+158

+192

9 00 30

8 58 40

13 57 35

25 15 52

10 10 10  
10 10 10  
10 10 10  
10 10 10

C



Oct 4 - 1927

9 12 50      a      II

21.1		
71 7	506	
2058	502	
2560	1008	+164

19.6		
77 6	580	+138
1960	660	
2620	1240	+111

B.      Mean = + 144

1052		
1672	620	
2883	610	
3493	1230	+113

1140		+150
1625	485	
2960	428	
3388	91.3	+188

9-17 30  
20

9 15 10  
14 14 5  
25758.593

C

Oct 4 1927

	$\sqrt{2}$		
9-3420	1068		
	1662	594	
	2898	594	
	3492	<u>118.8</u>	+122

1072		
1727	655	+107
2862	673	
3535	<u>1328</u>	+092

	Q		
1953			Mean = + 106
2663	710		
173	675		
848	<u>138.5</u>	+080	

1994		
2582	588	+104
224	572	
796	<u>1160</u>	+128

9-3830  
 9 36 25  
 14 25 20  
 25 15 6 08

C



Oct 4 - 1927

9-4300

a

1995

2575

204

778

580

574

1154

1129

TV

2022

2649

122

844

627

722

1349

+108

+088

B

Mean = +123

2860

3505

1094

1692

645

398

1243

110

2962

3472

1146

1636

510

490

1000

138

166

$$\begin{array}{r} 9\ 49.60 \\ 9\ 46\ 00 \\ \hline \end{array}$$

14 44 55

25152.615

C

Oct 4 - 1927

11

- B -

9 57 10

2914

3464

109.2

1628

550

536

1086

+1,45

V

2833

3550

1016

1718

617

702

1319

+120

+094

- Q -

132

842

1908

2660

710

752

1462

mean +106

+065

178

798

2021

2596

620

575

1195

+092

+120

10-01:11

9 59 10

14 58 05

25 58 624

C



Oct 4 - 1927

$\alpha$  Ceti 021403 Phot. R. I  
 Ind.  $\times$  var. dis

10-07 30

2898		
2988	9.0	
1088	98	
1186	<u>18.8</u>	- 5.43

2898		
2998	100	+ 535
1082	102	
1184	<u>20.2</u>	+ 527
<del>B.A</del>		719 Comp*
2022		Mean = 5.18
2122		Magn = 4.01
198		
320		

2122	100	
198	122	
320	<u>22.2</u>	+ 506

2014		+ 502
2114	100	
193	130	
323	<u>23.0</u>	+ 498

10 - 11.50

10 09 40  
 15 08 35  
 25 158 - 631

10:16

watch used = 1<sup>m</sup> 5<sup>s</sup> fast

C

Wednesday Oct. 5. 1927.  
12" Polar

L.C. obs

6-50 S. Pygmi. 213848. E8X -11.4 Phot P.

X Lac. 224455

U Lac. 224555

X Lac — 224455

B

Comp & dis

6-5420 2186

2422

236

384

218

602

45.4

+349

2136

2442

306

312

314

626

62.0

+2.79

+314

A

Mean = + 280

2980

3384

404

1212

386

1598

79.0

+222

6 5612

11 562

2425199.497

3040

+246

3322

282

1205

361

6-58.05 1566

64.3

+270



Oct 5-1927  
Phot B

U Lac

A.

Comp. X Sec

I

6 59 00

2878

3198

1098

1374

320

276

39.6

+ 287

292.2

3160

1110

1388

238

278

31.6

+ 304

+ 3.20

B.

Mean = + 324

242

468

2048

2238

226

190

41.6

368

18.8

472

2042

2274

284

232

31.6

+ 344

320

7-0250

50

12 00 55

5159.501

C

Oct. 5. 1927.  
Phot D

V Lac.  
V8.

II

7-12 40

188		
452	264	
2008	235	
2263	<u>519</u>	320

22.2		
474	252	330
2042	220	
2262	<u>47.2</u>	340

A.

Mean = + 311

1088		
1428	340	
2916	257	
3173	<u>597</u>	287

1066		292
1352	286	
2918	286	
3204	<u>572</u>	297

12 14 45

5159.510

C



Oct 5 - 1927

Phot 9.

II

7-17 55

 $\chi$  Lac. A.

1084	
1366	282
2912	264
3176	<u>54.6</u>

+ 307

1068	
1418	350
2880	302
3182	<u>65.2</u>

T287

+ 267

 $\Delta B.$ 

Mean = + 305

198	
498	300
2012	286
2298	<u>58.6</u>

291

323

214	
436	222
2048	220
2268	<u>44.2</u>

355

7-21 50

38 105

12 19 52

5159.514

C

Oct 5- 1927

Plot 9 I.

Comp \* dis

7-3520

V. 2 Cyg.  
Ind-B

214742

90.6

1506

600

2750

555

3305

1155

+129

982

1492

510

+136

2778

490

3268

1090

+144

A.

Mean = +153.

1900

3352

452

163

402

565

854

204

1858

2418

560

.170

8.5

563

7-3930

648

1123

136

12 37 25

5159.526

C



Oct 5 1927

	A.	Phot. D.	II
7-4520	1858		
	2414	556	
	112	510	
	622	<u>1066</u>	150

1886		
2396	510	157
109	496	
605	<u>1006</u>	164

73		mean = 154
2825		
3315	490	
980	484	
1464	<u>974</u>	172

	2718		
	3336	618	150
	977	541	
7-4920	1518	<u>1159</u>	128

12 47 20  
5159.533

C

Oct 5-1927

Phot P.

K 3 Agg 193056

I.

Comp &amp; dis

8-16 35 2925

3148

223

1142

192

1334

41.5

+369

2910

3128

218

+3,54

1106

257

1363

47.5

+339

A

Mean = + 346

236

476

240

2032

201

2233

441

+355

204

478

274

+337

1988

244

8 21 05

2232

51.8

+319

37 40

13 18 50

Comp &amp; = @ 1927.6 + 55.50 1855

5159.555

C



Oct 5 - 1927

Phot P

II

8 32. 10

A	
24.7	
43 7	190
200.2	244
224 6	<u>43.4</u>

+359

21 6

+326

48 2

26 6

196 8

31 8

228 6

58.4

+292

72.

Mean = +330

1100

135.8

258

289 6

259

315 5

51.7

+320

1128

1344

216

+334

2914

241

8- 36 45

315 5

457

+347

13 34 27

5159.565

C

Oct 5-1927.

84950

$$\begin{array}{r} \nabla B \\ 1130 \\ 1353 \\ 2919 \\ \hline 3146 \end{array}$$

$$\begin{array}{r} 223 \\ 227 \\ \hline 450 \end{array}$$

+351

III

$$\begin{array}{r} 1118 \\ 1336 \\ 2904 \\ \hline 3138 \end{array}$$

$$\begin{array}{r} 218 \\ 234 \\ \hline 452 \end{array}$$

+350

+350

A.

Mean = + 340

$$\begin{array}{r} 2000 \\ 2230 \\ 208 \\ \hline 302 \end{array}$$

$$\begin{array}{r} 230 \\ 294 \\ \hline 324 \end{array}$$

+317

$$\begin{array}{r} 2033 \\ 2258 \end{array}$$

225

+330

220

240

8-5420

460

$$\begin{array}{r} 460 \\ \hline 465 \end{array}$$

+343

103 70

13 52 05

5159.578

C



Oct-5-1927.

Phot F

I

RRCT. 012700

18.

Comp & det

9 01 20

2815

3215

400

1030

418

1448

818

+214

2794

3270

476

+200

1023

445

1468

921

+186

A

Mean e +184

66

602

536

1906

484

2390

1020

+161

12.9

650

521

168

1928

444

9-05'45

2372

965

174

14 03 32

5159.586

C

Oct 5- 1927

9:12:05

9

II

$$\begin{array}{r}
 12.6 \\
 566 \\
 1952 \\
 2358 \\
 \hline
 440 \\
 406 \\
 846 \\
 +206
 \end{array}$$

$$\begin{array}{r}
 4.6 \\
 566 \\
 1912 \\
 2446 \\
 \hline
 520 \\
 534 \\
 1054 \\
 +153
 \end{array}$$

T 180

B.

Mean = + 185

$$\begin{array}{r}
 1022 \\
 1452 \\
 2773 \\
 3298 \\
 \hline
 430 \\
 525 \\
 955 \\
 177
 \end{array}$$

$$\begin{array}{r}
 998 \\
 1462 \\
 2858 \\
 3248 \\
 \hline
 464 \\
 390 \\
 854 \\
 190 \\
 204
 \end{array}$$

9-16 20

14 14 12  
5159.593

C



Oct 5- 1927

III

9-28:50

$$\begin{array}{r} 1025 \\ 1462 \\ 2836 \\ \hline 3243 \end{array}$$

$$\begin{array}{r} 437 \\ 407 \\ \hline 844 \end{array}$$

+207

$$\begin{array}{r} 98.5 \\ 1458 \\ 2808 \\ \hline 3285 \end{array}$$

$$\begin{array}{r} 473 \\ 477 \\ \hline 950 \end{array}$$

+192

+178

Q

$$\begin{array}{r} 1892 \\ 2358 \\ 26 \\ \hline 584 \end{array}$$

$$\begin{array}{r} 466 \\ 558 \\ \hline 1024 \end{array}$$

mean = 186

+160

$$\begin{array}{r} 1918 \\ 2344 \\ 102 \\ \hline 552 \end{array}$$

$$\begin{array}{r} 426 \\ 450 \\ \hline 876 \end{array}$$

+179

198

9-33:30

61 80

14 31 10

5159.605

C

Oct. 5-1927

	A			IIII
9 44 20	1914			
	2328	414		
	120	413		
	533	827	+212	

1908			
2398	490	+194	
9.7	471		
568	96.1	+175	

2798			Mean = +188
3292	494		
98.0	498		
1478	99.2	+168	

32	2806		
9- <del>59</del> 40	3255	449	+182
	1027	435	
	1462	88.4	196

14 48 30  
5159.617

C



26

Oct 5 - 1927

	$\nabla B.$		$\nabla.$
10:02:45	2838		
	3247	409	
	998	452	
	1.450	<u>861</u>	202

2782		200
3236	454	
998	424	
1422	<u>878</u>	197

$\nabla A.$		Mean = + 193
102		
372	470	
1896	514	
2410	<u>984</u>	+170

	104		
	544	440	186
	1952	417	
10-06 po	2369	<u>857</u>	203

15 04 27  
5159.628

C

EST.  
Noon

Thursday Oct. 6-1927

12 " Polu

L.C. obs  
6 40

Photometer R.

Slagmi

213843

Est. 11.5 ✓

X Lac -

224455

V Lac.

224555

Group &amp; obs

6 44.45

X Lac

Ind-B

2040

Phot T

2230

190

222

204

426

39.4

380

1981

2318

337

+326

150

305

455

642

271

a

Mean = +307

2888

3222

334

1055

366

1421

70.0

+251

2924

3160

236

+288

1092

276

6-48:25

1362

50.6

+324

6 46 35

11 46 35

5/60.491

C



28

Oct 6 - 1927

V<sub>Lac</sub>  
aPhot T  
Comp. & dis. I

b 4930

2930

3154

224

1086

306

1392

53.0

+3.14

2936

3120

184

+356

1142

180

1322

36.4

+398

B

Mean = + 362

240

424

184

2016

202

2218

386

+385

214

438

224

+367

2033

230

2263

45.4

349

b-53 10

6 51 20

11 51 20

5160. 494

C

Oct 6 - 1927-

✓ Lac

B.

II

6 59.10

21.8

432

2052

2275

214

223

437

+357

218

418

2032

2275

200

243

443

+356

+354

A.

Mean = +358

108.8

1336

2930

3157

248

227

475

+339

1148

1348

2934

3125

200

191

391

360

382

7-63 25

7 01 12

12 01 12

5160.501

C



30

Oct 6 - 1927-

7-4-10

 $\chi$  Lac~~3144~~

1115

1338

223

2882

288

3170

521

+318

1054

1404

350

2927

217

3144

56.7

+299

TB

Mean = +344

224

428

204

1998

279

2277

48.3

+335

180

464

284

2020

222

2242

50.6

324

7-8-35

6 22

12-6-22

5160.504

C

Oct. 6 - 1927 -

Phot. P.

253 Aug. 214742  
 Ind-B  
 7-1610 970  
 1480 510  
 281.4 499  
 3313 1009  
 +163.

I

951  
 1516 565  
 2717 621  
 3338 1186  
 +122

9  
 1858 5  
 2448 890  
 3.8 571  
 609 ~~1461~~  
 1161  
 Mean = 142  
 +128

1888  
 2424 536  
 88 504  
 +141

7-2030 392 1050  
 +154

12 18 20

5160.512

C



Oct 6 - 1927

7-29.25-

9	
1878	
2384	506
92	519
611	<u>1023</u>

+160

II -

1811	
2416	605-
98	606
704	<u>1211</u>

+138

+117

28

Mean = 147

942	
1526	584
2733	591
3324	<u>1175</u>

+125-

1022	
1450	428

+156

2792	484
3276	<u>912</u>

188

7-34 15

12-31-50

Sky very murky with moon.  
light red haze - 7-43-

5/10.522

C

EST. (Mon Oct 10/192)

Notes

RC. Ob.

803 SSC79 213843 - et P.A. ✓

Open Night

WJ Funder lecture



Tuesday Oct-11-1927  
12"

7-9

bl. Aggr

213843

Est 83 ✓

V Lac.

224555

X Lac.

224455

7-2200

X Lac

224455

2020

Comp \* dis

2258

238

214

222

436

460

+346

1970

2308

368

+298

170

334

504

702

+250

Dup. A

297.4

3150

176

1110

434

2944

248

1358

42.4

+364

~~Mean = 300~~

Mean = 310

~~+302~~

2884

323

3224

340

1092

271

1363

611

+282

7-31-15

12 26 38

5165.519

c

Oct 11 - 1927

	$\alpha$		
73200	$\gamma$ Lac.		Comp x dis
	2916		
	3138	222	
	1122	186	
	1308	<u>408</u>	372
	2948		
	3163	215	364
	1112	226	
	1338	<u>441</u>	355
	$\beta$		Mean = + 356
	250		
	436	186	
	2028	230	
	2258	<u>416</u>	+368
	209		
	438	229	+348
	1998	268	
7-3530	2266	<u>497</u>	328

12-33-45

753

Moon at Full  
East wind; sky very poor.

5165.524

C



36

EST.

from  
noon

7-58-

Tuesday Oct 25, 1927-  
Leob 12" Plan

Slagm 218843

Est. 140

X Lac 224455

V Lac 224555

X Lac 224455  
B

Comp &amp; obs

8 4 45

1012

1398

386

2826

394

3220

78.0

+225

1074

13.88

314

+234

2888

294

~~1066~~

608

+283

3182

A.

1974

mean +236

2306

332

182

360

542

69.2

+253

1985

+257

2272

387

193

283

476

670

+261

R ~ ~  
8-10 300

13 07 22

5179.547

C

Oct. 25 = 1927

Volac 224455

H.

Comp \* dis

8-1130

1974

2278

304

186

286

472

590

+290

1998

2244

246

+307

228

260

488

506

+324

VB

Est - +318

2942

3132

190

1118

212

1330

402

+376

291.1

3224

313

+330

1048

292

8-1505

1340

605

+284

13 13 17

5779.557

6



38

E.S.T.

Oct 25 - 1927

8-48 15

U Lac<sup>3</sup>

2882

3182

1060

1333

300

263

56.3

+300

II

2948

3152

1112

1334

204

222

426

+332

363

A.

238

453

2003

2236

215

233

44.8

Mean = +3.28

352

196

492

2010

2304

296

294

59.0

3.21

276

290

8-52 10

8 50 12

13 50 12

5-17.9.576

C

Oct 25 1927

 $\chi_{\text{Lac}}$   
H.II

8:52 50

196

518

322

1982

306

2288

628

276

5

194

478

284

285

2003

295

2298

57.9

294

B

1088

Mean = 288

1358

270

2886

294

3180

564

300

1080

1335

275

2860

344

280

8:56:15

3204

619

279

13 54 32

5179.580

C



Oct 25/27

9-11-25	X <sub>LacB</sub> 103.6 1368 2866 3221	332 355 <u>687</u>	255	<u>174</u>
---------	--	--------------------------	-----	------------

	<del>A</del> 1086 1367 2922 3167	281 245 <u>526</u>	286	316
--	--	--------------------------	-----	-----

	A 1986 2305 216 462	319 246 <u>565</u>	mean = 284	300
--	---------------------------------	--------------------------	------------	-----

	1974 2304 162 498	330 336 <u>666</u>	281	262
--	----------------------------	--------------------------	-----	-----

9-15-20  
26 45  
14 13 22

5179.592

c

Oct 25 - 1927

III

9-16 00 N Lac  
 1984  
 2266 282  
 198 270  
 468 352 305

2006  
 2226 220 320  
 222 264  
 486 484 334

Mean = 328

2955  
 3165 210  
 1124 228  
 1352 438 +357

2955  
 3180 225 336  
 1064 291  
 1355 316 320

9-17 40  
 35 40

9 17 50

14 17 50

5179.596

C



Oct 25/1927

VZ Cyg 214742

B.

Comp \* dis

93620

1026

1488

2792

3249

462

457

$$\begin{array}{r} 457 \\ 91.9 \end{array}$$

+186

974

1518

2768

3320

544

552

$$\begin{array}{r} 552 \\ 1096 \end{array}$$

164

+143

Q

1875

2375

8.8

674

500

586

$$\begin{array}{r} 586 \\ 1086 \end{array}$$

mean =

157

~~157~~

148

1852

2392

105

625

540

520

$$\begin{array}{r} 520 \\ 1060 \end{array}$$

150

151

~~158~~

9:40:40

14 38 30

5179.610

C

Oct 25-1927

a

II

9-5830

1840  
2362

522

80

548

628

1070

+149

1846  
2400

554

+142

7.5

580

655

1134

+134

B

mean 156

1752

3280

528

993

520

1513

1048

+154

2756

3240

484

+170

1030

442

10-0300

1472

92.6

186

13150

150055

5177.626

C



Wednesday Oct. 26 - 1927

EST.  
from  
noon

L.C. obs

12" Polar

7-03

S. S. Pygmi

213843.

Est. 11.7

✓

X Lac.

224455

V. Lac

224555

X Lac

-

I

Dud. A.

Comp & dis

7-07 15

23.4

439

205

203.4

240

2274

44.5

+3.53

16.8

464

296

+318

1988

308

2296

604

+284

Σ 8.

Mean = +295

1082

1328

246

2882

276

3158

522

+3.17

1032

1388

356

272

2836

416

7-11-20

3252

772

2.28

12 09 18

5180.506

✓

Oct 26 - 1927

$\begin{array}{r} \text{B} \\ \text{U-Lac-} \\ 7-12-00 \quad 1086 \\ 1372 \\ 2906 \\ 3174 \\ \hline \end{array}$ 
 $\begin{array}{r} \text{Comp \& dis} \\ 286 \\ 268 \\ \hline 55.4 \end{array}$ 
 $\begin{array}{r} \\ \\ \\ +304 \end{array}$ 
 $\begin{array}{r} \\ \\ \\ I \end{array}$

$\begin{array}{r} 1122 \\ 1356 \\ 2928 \\ 3136 \\ \hline \end{array}$ 
 $\begin{array}{r} 234 \\ 208 \\ \hline 44.2 \end{array}$ 
 $\begin{array}{r} \\ +330 \\ +355 \end{array}$

$\begin{array}{r} \text{A.} \\ 2040 \\ 2228 \\ 222 \\ 434 \\ \hline \end{array}$ 
 $\begin{array}{r} 188 \\ 212 \\ \hline 40.0 \end{array}$ 
 $\begin{array}{r} \\ \\ \\ \text{Mean} = + 348 \\ 377 \end{array}$

$\begin{array}{r} 2020 \\ 2224 \\ 210 \\ 452 \\ \hline \end{array}$ 
 $\begin{array}{r} 204 \\ 242 \\ \hline 44.6 \end{array}$ 
 $\begin{array}{r} 365 \\ 353 \end{array}$

7-16 00

12 14 00

5180.510

c



46

Oct 26-1927

A

V Lac

II

7-25:20

2028

2255

227

21.4

230

444

45.7

+347

2024

2228

204

+358

244

212

456

41.6

+368

B

mean ~ 350

2954

3142

188

1138

195

1333

38.3

+386

2907

3210

303

+343

1102

260

7-29 50

1362

5.63

+300

12 27 25

5180.519

c

© 426-1927

B

X Lac

II

7-30 10

2892

3218

1098

1352

326

254

580

+294

2886

3206

1064

1356

320

292

612

+288

+281

A.

Mean = 295

178

480

1987

2296

302

309

611

+282

222

464

2004

2277

242

273

315

+302

321

7-34 30

12 32 20

5180.522

C



48

Oct 26 - 1927

D. Z. Cyg  
Sup B

214742

Comp &amp; des

8-0530

2724

3358

938

1476

634

538

1172

125

2640

3396

944

1894

756

650

1406

160

076

A

Mean = + 093

3574

4282

1764

2453

708

689

1397

078

3.0

656

1772

2470

626

698

1324

086

093

8-09-45

13 07 38

5180.547

e

① 426-1927

8-16 10

13

2696  
3338  
945  
1550

642  
605  
1247

+109

II

2642  
3416  
922  
1575

774  
653  
1427

+090

+072

A.

Mean = +096

00  
648  
1798  
2442

648  
644  
1292

+110

2,4  
632  
1768

608  
660  
1268

+102

105

8-20 10

24428

12  
18 10

5180.554

C



Oct 26 - 1927

Phot P

o Ceti

021403

Ind. B.

Var. dis.

8-25 10

1304

1424

3122

3224

120

102

22.2~~+506~~

1298

1433

3108

3216

135

108

24.3~~+496~~

-486

A

919  
 Mean - ~~-476~~  
443

400

342

2212

2333

142

121

263

-469

385

555

2212

2335

170

123

293

457

445

8-30 05

55 15

13 27 3A

5180.561

6

Oct 26 (1927)

R R Ceti

012700.

Phot 7

Comp &amp; dis I

8 46.40

280 0

328 0

480

96 6

50 6

147 2

$$\begin{array}{r} 506 \\ \hline 98.6 \end{array}$$

+169

2862

3243

381

+198

1058

390

1448

$$\begin{array}{r} 390 \\ \hline 771 \end{array}$$

+228

A.

Mean = 180

114

334

440

1905

458

2363

$$\begin{array}{r} 458 \\ \hline 898 \end{array}$$

+192

7-3

+162

64 0

567

1864

570

8-51-20

2434

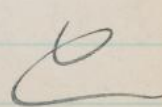
$$\begin{array}{r} 570 \\ \hline 1137 \end{array}$$

+133

98 00

13 49 00

5180.576





Oct 26 1927

9-6-35 A  
 8-2  
 568 486  
 1860 532  
 2392 1018 +161

108  
 562 454 +178  
 194.1 436  
 2377 890 +194

B  
 1627  
 1448 421  
 2852 426  
 3278 847 +206  
 Mean = 181

966  
 1498 512 184  
 2774 508  
 3282 1020 161

9-11-00  
 17 35  
 14 8 48

5180.590

Too hazy to continue on  
 this region

28.6  
from  
noon

Fri Oct 25/1927

P.C. Ob.

12" Polar

6 55 SPCyg 2130K3 est 11.7 ✓

Bond Club Night



Sunday, Nov 4 1927

5 from LC obs 12" Solar

6-58. 58. 213843 11.6 Est.

X Lac 224455

U. Lac 224555

Photometer P.

X Lac.

Inf. Po.

Coup & dis

7-02.00

290.0

3214

314

1084

308

1392

62.2

278

289.2

3230

338

276

1067

295

1362

63.3

294

Inf a

mean + 276

21.7

472

255

199.3

279

2272

534

312

15.3

533

380

276

1962

350

2312

73.0

241

7-05.15

7 15

12 03 38

5189.503

Nov. 4 - 1927.

7-05 50

V Lac. (A) 224455-

20.4

48 2 278

200 2 281

228 3 557

302

20 4

46 8 264

2018 262

2280 52.6

309

316

-B.

Mean = + 312

11 2 3

13 4 4 221

297 3 185-

315 8 50.6

324

10 8 5

13 4 4 259

2898 290

3188 549

316

307

7-9-30

12 07 40

5189.506

C



Nov. 3 - 1927

V Lac.

Decl. B.

IV

7-13.30

1030

1338

308

2928

284

3212

59.2

+289

109.7

1314

217

+330

2936

194

3130

41.1

+371

A.

Mean =

+320

1987

2260

273

224

242

466

51.5

+321

199.3

2287

294

+310

202

270

472

564

300

7-18 10

31 40

12 15 50

5189.511

C

Nov. 4<sup>th</sup> - 1927.

7-1800

X fac.

1986

2284

172

536

318

364

682

+257

1888

2318

168

533

430

365

795

+239

+221

\* B

2922

3183

1096

1321

261

225

486

mean = +262

333

2854

3224

1066

1418

370

352

752

+284

+234

72240

41 40

12 20 50

5189.515

C



Nov. 4 - 1927.

O Ceti

Phot. R.

Dud B.

Variable des

7-32 30

3 10 5

320 8

103

1312

143

1455

246

+484

3098

3236

138

-464

1298

158

1456

296

-443

A.

Mean

919

-469

450

2222

2334

112

394

148

542

260

-472

2218

2324

106

474

402

150

7-38 00

552

256

495

12 35 15

5189.524

8-10

Clouds pretty much over sky.  
but not during observations

~~Nov 4 1927~~  
 Monday Nov 7 - 1927  
 L.C. obs.

12" Play

Eggs  
 from room

7-35

H Cygni 213843 Est 119  
 variable quite faint in moonlight

X Lac 224455  
 V Lac 224535

Plot T

X Lac -

I

Sec B Comp & dis

7-40 00

2925 2

3210 25.8

1122 25.0

1372 50.8

+3.24

2926

+306

3212 286

+256

1084 312

1396 59.8

+287

+297

A.

Mean =

21.1

543 332

2008 344

2352 676

259

25.8

288

5192.529

523 265

2033 257

2290 522

317

✓

7-44:00

12 42 00

Near Batteries

~~5189.529~~



Nov. 7- 1927.

U. Lac

A

7-45 10

2046

2284

248

455

238

207

445

+353

2082

2284

276

467

202

191

39.3

+381

367

B.

300 2

315 3

119 6

133 5

151

140

290

+448

Mean 364

2958

3158

1156

1355

200

209

409

+372

360

7-50 10

95 20

12 47 25

5192.533

C

7  
Mar 8 - 1907 -

8 9:25 U Lac.  
dud B  
298.8  
3166 178  
117.4 240  
1414 418 +367

303.3  
3222 189 +388  
1230 158  
1388 34.7 +409

dud A. Mean = 385  
34.4  
514 170  
2146 150  
2296 32.0 +426

8-13:40 30.4 382  
525 221  
2080 256  
2336 47.7 338

13 11 32

5192.550

C



Nov 7- 1927-

X Lac  
Ind A

II

8-14 30

262		
348	286	
2112	215	+327
2327	<u>501</u>	

276		+312
328	252	
2052	<u>320</u>	
2372	57.2	+297

Ind B

Mean = 314

1192		
1428	236	
2988	271	
3259	<u>507</u>	324

1162		
1438	276	317
2968	265	
3233	<u>541</u>	310

8-18 15

13 16 22

5192.553

C

Eq.  
from moon  
LCobs

Tuesday Nov 15-1927

12" Polar

7-35

Algol 213843 Est 8.4

Clouds interxcd

New Batteries - (pronto)



64

EST  
Pan-  
Voon

Sat Nov. 19/194

REOB

12" Polar

7 00

SS Oppi 213847 alt 9.3 ✓

VZ Egg 214742 Phot T

7 30.0

1055.6 / comp & dis  
156.8 51.2

I

279.2

608

340.0

112.0

+ 1.37

~~102.6~~

102.6

+ 1.34

156.4

538

282.6

610

343.6

114.8

+ 1.31

A

Mean = + 1.31

190.3

609

251.2

649

7.8

125.8

+ 1.07

72.7

+ 1.28

193.8

536

247.4

532

156

1068

+ 1.49

68.8

7 34.0

C

12 32 00

5204.522

Nov. 19/1927

> 50.0	A		II
	1936	58.0	
	251.6	521	
	17.7		
	69.8	1101	+ 1.42

189.8			+ 1.26
251.2	614		
11.6	628		
74.4	1242		+ 1.10

B

mean = +1.32

282.8			
343.5	608		
100.4	607		
161.1	1215		+ 1.16

282.8			+ 1.38
335.8	530		
109.4	494		
158.8	1024		+ 1.60

7 57.0

12 53 30

5204.537



Nov. 19/1927

0 Ceti 021403 Plot R

8 04 2 130.0

144.0

309.8

323.8

14.0

14.0

28.0

- 455

129.8

144.2

310.2

324.0

144

13.8

28.2

- 454

- 453

A

~~43.6~~~~63.6~~

220.8

35.8

57.4

220.8

234.2

38.2

59.8

219.6

235.0

216

134

35.0

- 406

- 400

- 394

8 12.0

37.0

13 08 4

5204.547

Mean =

91.9

- 4.27

4.92

reading read  
way direction

Nov 19/1927

RR Cct 012700

B

J 58 00

12.6

74.2

193.6

257.6

Lcomp \* di

616

640

125.6 + 1.07

I

J 4

73.0

193.3

255.2

646

1.06

619  
126.5 + 1.05

A

Mean = +1.15

104.2

163.6

282.6

346.2

594

636  
123.0 + 1.13

106.3

161.2

287.2

344.7

55.5

+ 1.24

575  
113.0 + 1.35

7 04.6

14 01 03

5204.584

C



Nov 19/1927

9 23.7

RR Ceta

105.8

158.0

289.2

345.5

52.2

563

108.5

+1.45

+1.26

103.8

164.8

281.8

345.9

610

641

125.1

+1.08

Mean +1.10

B

189.0

255.6

11.8

80.6

666

688

1354

+0.87

+0.94

193.3

257.4

10.6

75.2

641

646

1287

+1.00

9 30.0

14 26 34

5204.602

Nov. 19/1927

V R Cts

III

255.0  
191.6  
256.2  
10.2  
76.2

646  
654  

---

1300 + 0.92

194.0  
247.2  
161  
71.7

538 + 1.20  
556  

---

1094 + 1.43

A

Mean = 71.30

292.2  
340.2  
107.2  
141.7

486  
545  

---

1031 + 1.52

286.5

+ 1.40

344.2

103.2

163.2

583  
600  

---

1183 + 1.23

10 000  
149 57 30

10 04  
5204 624

J J Am 060547 est &lt; 13.2 C



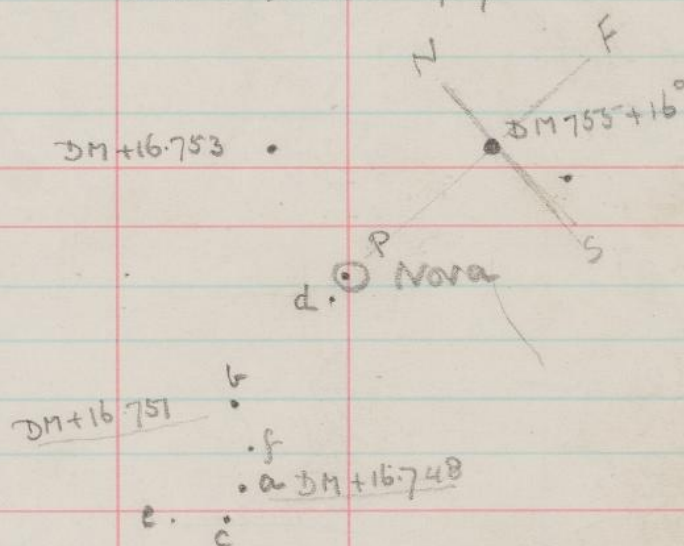
Sunday Nov 20-~~21~~ 1927

EST. from noon 12" Polar Went do.

7 33	213843	SS egg	9.0
7 47	205923	R Vne	9.3
8 13	210129	TW egg	11.6
8.28	211614	X Pref	10.9

10. 12

Nova Tanna 1927



maps estimated from DM +16°.747. HD Plm 9.2

- |   |      |
|---|------|
| a | 9.7  |
| b | 9.9  |
| c | 10.4 |
| d | 10.5 |
| e | 10.8 |
| f | 11.4 |

Nova 10-1

25  
Nov

5211

Stat. Nov 26/1927

12" Polar L.C. Obs

x 6 50 58 Cyg - 213443 at 11.4

RR Ceti 012700

Phot  $\frac{I}{T}$ 

x 06 10

B  
30.8  
66.2  
198.4  
244.236.0  
49.8  
85.8 + 20323.3  
59.6  
204.4  
258.036.3  
45.6  
81.9 + 2.08  
2.14

A

110.8  
155.2  
292.2  
335.344.4  
43.1  
87.5 + 1.98

Mean = 1.91

8 10 ±  
13 08 05108.6  
162.2  
292.3536  
530

174

5211.547

345.3

106.6 + 1.50

Star very fl.; barely seen.



Nov 26/1927

Nova Tauri 1927

$$\begin{array}{r} 05 \text{ } 11 \text{ } + (6) \text{ } 5 \\ 01 \text{ } 25 \\ \hline 3 \text{ } 46 \text{ } 2 \end{array}$$

$$\begin{array}{r} 5 \text{ } 16 \\ 1 \text{ } 30 \\ \hline 3 \text{ } 46 \end{array}$$

Est. \* marked Nova by WFF + W  
 on p. 70 = 0.6 ft than his \* d  
 9 05<sup>-</sup> cloudy = 11.0<sup>th</sup> mag ±

Too ft (with cloud about) to  
 mean. in photos.

Monday Dec 5 - 1927  
2" Polaris

L. C. Coles.

To J. W. Johnson  
T 7-30

1st Cygni 213843 Est 11.0

Sky very murky with bright  
moon & faint  $\times$ <sup>25</sup> not visible

o Ceti  
did -

Pro near bright moon with  
haze - to measure. Comp  $\times$   
very faint

Sky too poor to continue.

Repair light over recording table



74

Thursday Dec 8-1927

12" Polar

L.C. obs.

E.S.F. from room

9-01

S D Cygni

213843

Est 11.6

✓ Barely seen

9-04

S D Aurigae 060547

Est. 11.0

Eastern sky

very bright (moon)

Nova Tauri

051516 -

9-06

Too near moon

Monday Dec. 12-1927-  
12" Polar

JD 5227

L.C. obs.

Est.

from Kron-  
6-50

S. S. Cygni 213843.

Est. 11-5 ✓

2 Ceti 021403

Phot R.

ded-

7-14 40

2104 Van der

2338 234

262

320

582

554

\*304

2141

2384

243

\*316

304

238

362

50.1

\*327

ded-

120.0

1448

248

Mean = 919  
- 337

3012

214

3226

46.2- 582  
- 345

1228

1428

200

- 358

3006

212

7-2140

3218

412

- 370

12 <sup>18</sup> <sup>10</sup>  
~~17~~ ~~50~~

Observations very difficult. Error comp

5227.512

\* faint in photometer.



Dec - 12 - 1927



7-42

Nova Tauri 051516 Nova barely seen  
~~did~~ - No nova  
 See page 70 for Star F.

Seeing & sky too poor to make  
 estimates or measures on  
 Comup \* Estimated mag  
 11.5 ±

7-49-

18 Aur. 060547 Est. If seen var  $\neq$  11.2  
 Observation very difficult ✓

Wednesday Dec 14 1927  
L.C. obs. 12" Polar

77

Est  
from noon  
7-35

Sl Agni 213843

Est 11.7

✓ 5229

Nova Tauri: 051576

a 5 f 3 c 4 d 4 e 7 f 5 Nova 5 g

8:30

Waterfield's notation p. 70 except  
"g" added by LC

Nova Est mag 12, th new fainter

840

Sl Aur. 060547 Est 10.8; var at ref,   
confirming ~~the~~ observation of Monday  
night



78

5232 ✓

Sat. Dec. 17, 1927

LC Ob

12"

4 00

to

5 00

Searched for Skjellump's Comet  
in West without finding it.

7 30

SS Cygni 213043 est 9.1 ✓

Var on rise; near max.

7 35-

RW Aur 060547 est 11.5 J  
fading.

Nov. Tau 057576 est

01 30

3 45 E

Too low as yet

(Wed) Dec 21 17, 1927

5236

EST.  
noon  
> 30CC Ob 12" Polar  
SS Cyg 213443 est 90

&gt; 40

SS Aua 060547 est &lt; 12.6

O Ceto 021403 Phot R  
a

&gt; 49.0

$$\begin{array}{r}
 117.0 \\
 148.2 \\
 299.4 \\
 327.8 \\
 \hline
 59.2
 \end{array}$$

&lt; var dis

31.2

280

59.2

- 2.89

121.8

145.8

299.6

327.2

240

276

516

- 320

B

24.4

58.8

211.6

240.6

34.4

290

634

- 273

24.7

58.6

216.0

241.6

339

316

655

- 270

- 2.66

&gt; 57.0

241.6

12 53 00

5236.537

6



Dec 21/1927

012700 RR Ceto Phot T  
Too hazy

Clouds about -

Chain on light  
need refocusing

9 00 All cloudy

EST.  
noon<sup>39</sup>  
~~10524~~Sat Dec 24/1927

7:30 SS Cygni 2134x3 est 99

&gt; 40 SS Aur 060547 est &lt; 12.8

Y Aur. 052142 Phot T.

f 30.0

207.2 <sup>B</sup> Count ~~dis~~~~248.4~~

41.2

25.4

340

62.4

75.2 + 2.34

208.8

+ 2.49

242.2

334

28.6

320

61.4

66.2

+ 2.64

a

296.0

Mean = + 2.44

332.8

368

117.2

360

153.2

72.0

+ 2.42

293.3

2.38

332.6

393

116.6

360

f 37.4

152.6

75.3

+ 2.34

~~524.7~~

13 33 32

~~524.7~~

5239.565

e



Dec 24/1927

Lamipao

II

a

8 445

294.6

331.2

115.3

154.6

366

393

759

+ 232

295.8

333.3

119.8

154.6

375

348

723

7.238

+ 243

B

27.4

62.2

203.0

243.2

348

40.2

75.0

Mean = 246

+ 235

30.4

60.6

206.8

240.4

302

336

638

+ 254

+ 272

8 50.5

8 47.5

13 47 05

~~5244~~

5239.574

6

Dec 24/1927

B

902.0

25.2

61.6

207.4

241.4

364

340

70.4 + 2.49

27.2

63.2

207.0

241.4

360

340

70.4 + 2.49

+ 2.49

a

296.6

330.0

120.3

152.2

334

31.9

65.3 + 2.67

Mean = + 2.58

298.2

331.8

120.0

152.0

336

320

65.6

+ 2.66

98.5

95.2

~~5239.14-05-02~~

5239.587

6



5242

Tuesday Dec. 27 - 1927.  
 L.C. obs. 12" Polaris

E.S. from Moon

7-4

S.S. Cygni 213843 Est 11-3

7-06

S.S. Aurigae 060547 Est 124

Observations made thru considerable haze and cloud.

7-40

To hazy and cloudy for further observations.

Thursday Jan. 5 - 1928.  
12<sup>h</sup> Polar.

Est. from Moon

L.C. obs.

7-15 P.S. Cygni 213843. Est. 11.0  
Moon bright, clouds near field.  
Impossible to see faint stars.

7-17 P.S. Aurigae 060547 Est 10.8  
Clouds in region.

7-30 Sky practically all cloudy.  
Hopeless to continue.



Tuesday Jan. 17 - 1928.  
 L.C. obs. " " " " " "  
 12" Polar.

7 - 14 -  $\delta$  Cygni 213843 Est 11.6  
 Correction to dec. circle 3 degrees

7 - 16  $\delta$  Aurigae 060547 est 12.8

7 - 20 U. Gem 074922 Est. 12.8

$\alpha$  Ceti 021403 Phot PP.  
 Ind-Q. Var. dis

7 - 27  $\rightarrow$  33.3.  
 685 352  
 2088 396  
 2484 74.8 -2.35

314  
 708 394 -220  
 2072 460  
 2532 85.4 -204

-13-  
 2978  
 3413 435  
 1153 469  
 1622 90.4 -190  
 Mean =  $\frac{919}{2,00}$   
719

2998  
 3448 450  
 1136 528  
 1664 978 -180  
 -150

7 - 32 40  
 12 29 50  
 5263.521

Jan 17 - 1928

7-48-15 4 Aur. 05 2142 Phot. B I  
 Dec. B Comp \* dis  
 2162  
 2362 200  
 31.1 271  
 582 47.1 +340

2153  
 2382 229 +346  
 316 220  
 336 44.9 +351

Dec H.  
 3002  
 3298 296  
 1223 283  
 1506 579 294  
 Mean = +316

3016  
 3332 316 286  
 1198 307  
 7-5400 1505 623 277

12517  
 5263.535

6



Jan. 17 - 1928

8-15.35- Ind A II

301.6		
3292	276	
1188	290	
1478	<u>56.6</u>	+299

3032		
3302	270	293
120.0	328	
1528	<u>59.8</u>	287

B Mean = +318

326		
568	242	
2132	238	
2370	<u>480</u>	336

326		328
596	270	
2132	244	
2376	<u>51.4</u>	321

36 55

13 18 27

5263.554

Comp \* = \* @ 5<sup>h</sup> 19<sup>m</sup> + 42 deg 10<sup>m</sup>

Clouds pretty much over sky-

Brightest \* in group is X

C

Jan 17 - 1928

R.N. Taur. 044126 Comp X dis.

I

8 34 00

110 6

163 0

524

292 2

466

338 8

$$\begin{array}{r} 99.0 \end{array}$$

+168

1078

1362

484

+156

2874

600

3474

$$\begin{array}{r} 108.4 \end{array}$$

+145

- A.

Mean = 177

206 2

248 6

424

20 2

454

65 6

$$\begin{array}{r} 87.8 \end{array}$$

+1.97

2008

2468

460

+198

272

414

8-3840

68 6

$$\begin{array}{r} 874 \end{array}$$

+198

13 56 20

5263.581

C



Jan. 17 - 1928

Ind. A.

9-15 25

1988

2472

246

702

484

456

$$\begin{array}{r} 484 \\ 456 \\ \hline 940 \end{array}$$

+181

II

2018

2484

258

692

466

434

$$\begin{array}{r} 466 \\ 434 \\ \hline 900 \end{array}$$

+186

+191

B.

2924

3404

1078

1625

480

547

$$\begin{array}{r} 480 \\ 547 \\ \hline 1027 \end{array}$$

+159

Mean = 175

2915

3426

1105

1585

511

480

$$\begin{array}{r} 511 \\ 480 \\ \hline 991 \end{array}$$

164

168

9-20:00  
35 25

14 17 42

5263.596

C

Jan. 17 - 1928

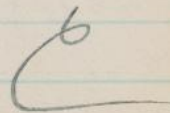
	RX Gem	06 43 33	
	Ind B-		
9 41 45	9.8	Comp x dis	
	88.8	790	
	185.2	742	
	2594	<u>153.2</u>	.051

212			+096
750	538		
1930	564		
2494	<u>1102</u>	141	

A,		Mean = 091
1066		
1674	608	
2848	<u>630</u>	
3478	1238	+111

	1033		
	1706	773	+086
	2826	709	
9-46-40	3535	<u>1482</u>	+061
87 85			

14 <sup>44</sup>/<sub>43</sub> 12  
5263.614





Jan 47 - 1928

	Q.		II
9-3430	$  \begin{array}{r}  1022 \\  1678 \\  2822 \\  3520 \\  \hline  1354  \end{array}  $	$  \begin{array}{r}  656 \\  698 \\  \hline  1354  \end{array}  $	087

$  \begin{array}{r}  1037 \\  1697 \\  2847 \\  3494 \\  \hline  1307  \end{array}  $	$  \begin{array}{r}  660 \\  647 \\  \hline  1307  \end{array}  $	092
		096

$  \begin{array}{r}  1973 \\  2547 \\  162 \\  800 \\  \hline  1212  \end{array}  $	$  \begin{array}{r}  574 \\  638 \\  \hline  1212  \end{array}  $	Mean = 102
		117

$  \begin{array}{r}  1912 \\  2532 \\  156 \\  797 \\  \hline  1261  \end{array}  $	$  \begin{array}{r}  620 \\  641 \\  \hline  1261  \end{array}  $	112
9-39:00		106

11 3 30

14 56 45

5263.623

C

Wednesday Jan 18-1928

7-20 Sky quite cloudy.

8:43 Jd Aur. 060547 Est 120

Stars in field very dimly  
seen

9:00 Sky hopelessly cloudy.



Sat Jan 21/1948

RC OB 12" Polar

7 30 SS Am 06056) < 13.0

7 40 U Gem 074822 est < 13.0

Vva Tauri 051516

est = f 3.39

7 50 see RC photog Enlap. chart

Jan 21/1948

Jupiter 05-2142 Phot T.

f 2050 34.1.6 &lt; comp A dis

122.6

147.4

305.5

326.6

24.8

21.1

45.9 + 346

I

120.3

146.3

302.2

327.8

26.0

25.6

51.6 + 3.28

+ 3.33

B

214.6

236.8

32.2

57.4

22.2

25.2

47.4 + 3.39

Mean = 3.34

212.8

238.4

33.3

56.8

25.6

23.5

49.1 + 3.31

+ 3.35

f 290

13 24 30

5267.558

Obs difficult.

C



Jan 21/1928

Y am.

17

f 45.0

a  
214.4

240.0

32.3

57.3

25.6

25.0

50.6

+ 324

+ 3.34

213.4

238.6

33.3

54.2

25.2

20.9

46.1

+ 345

B

Mean = + 3.18

303.2

329.4

119.0

146.6

26.2

27.6

53.8

+ 3.11

302.6

330.8

117.4

147.6

28.2

30.2

58.4

+ 3.02

+ 292

f 46.0

13 43 00

5267.572

C

Jan. 21/1928

IV

9/05.0

B

306.8  
325.8  
119.8  
146.4

190  
266

455 + 348

303.3

328.8

121.2

151.4

25.5 + 3.26

30.2

55.7 + 3.03

a

33.0

56.6

215.4

236.4

236

210

445

+ 353

+ 3.40

33.4

56.8

212.2

238.8

234

26.1

500 + 327

9 10.8  
15 8

14 7 34

5267.589

C



Jan. 21/1928

~~BA~~IV

9 26.0

336

55.2

215.6

236.3

21.6

20.7

42.3

+ 365

32.4

53.8

214.6

237.4

214

22.8

442

+ 360

+ 355

B

Mean = + 3.4

123.8

147.7

303.6

325.5

23.9

21.9

45.8

+ 3.4

120.2

146.8

303.2

327.3

266

241

50.7

3.38

+ 3.24

9 33.6

14 29 30

5267.604

6

Monday Jan 23-1928  
 LC obs. 12 " Blue

Est from Moon

\*7-14 S. Lygni 213843 Est. 8.8 Var bright

7-21 S. Aur. 060547 Green Est 130

7-25 U. Gem 074922 Est if seen 128

4 Aur 052142 Phot T.  
 Ind B Comp. X det.

7-31-

120.2  
 1442 240  
 8026 256  
 3282 496

+329

I

121.6  
 1482 266  
 3042 236  
 3278 30.2

+328

+326

A.

Mean = +3.44

214.6  
 2362 216  
 336 210  
 546 426

+363

2147  
 2364 217  
 324 218  
 542 435

+380

+358

7-37

12 34.00 5269.524

C



100

Jan. - 23 - 1928.

1 46:00

2170

2374

326

348

204

222

42.6

-3.45

II

2132

2372

326

574

240

248

48.8

339

333

VB.

3052

3300

1222

1466

248

244

49.2

Mean = +3.30

331

3022

3294

1200

1468

272

268

54.0

320

310

1 - 51:00

12 48 30

5269.533

Jan. 23 - 1928

	VB.		III
8-20 10	3028		
	3288	260	
	1182	310	
	1492	<u>570</u>	2.98

3018		
3300	282	308
1212	<u>241</u>	
1453	<u>523</u>	317

-Q-		Mean = +320
324		
538	214	
2114	<u>274</u>	
2388	<u>48.8</u>	333

	332	
	555	
	2123	332
8 24 15	<u>2382</u>	
	<u>492</u>	331

13 22 12

5269.557

b



Jan 23 - 1928

8-37'10

Q

32.2		
552	230	
214.4	232	
<u>3376</u>	<u>46.2</u>	- 3.45

IV

318		-346
568	250	
2143	207	
2350	<u>45.7</u>	-347

R.

1200		
1510	310	
3040	256	
3296	<u>56.6</u>	299

Mean - +328

1215		
1492	277	310
3038	237	
3275	<u>514</u>	321

8-42 30

79 40

13 39 50

5269.569

C

Jan 23 - 1928-

RV Tauri

0441 26

Observed dec. + 28.3

Comp &amp; dis

8-58 10

2910

3380

470

112.2

452

1574

92.2

+186

284.7

3466

619

+156

1088

552

1640

117.1

+126

-A-

mean = +183

2033

2408

375

260

422

682

79.7

+220

2023

2437

414

+210

238

451

9-03 50

689

86.5

+201

14 00 55

Observations very difficult.

5269.584

C



Jan 23/1928

RX Rev 064333.

9

17:15

~~827~~

3.8

840

1847

2636

802

789

159.1

Comp &amp; dis

+0.40

I

11.2

884

1844

2582

772

738

151.0

+0.48

+0.56

Q

958

1808

2704

3622

850

918

1768

mean +0.34

+0.06

1032

1780

2748

3618

748

870

161.8

+0.20

+0.35

9-21-18

Repair lamp shade in room 23  
over recording table - (pink silk shade)

14 19 15

5269.597

C

Jan 23-1928

9-32 30 A.  
 150 2  
 170 3  
 275 7  
 352 0

701  
 763  
 1464

+065

II

162 2  
 170 8  
 274 0  
 354 8

686  
 808  
 1494

+062

+039

B.

Mean = 062

180.9  
 260 8  
 9.8  
 850

799  
 752  
 1551

+0.48

187.7  
 258 7  
 13.3

710  
 690  
 140.0

+062

077

9-36110  
 14 33 50

5267.607

9-55

V Lem.

074922

Est 13.0

C



Tuesday Jan 31 - 1928

~~Jan 23 1928~~

L.C. obs.

7-7-

S.S. Arr. 06 0547 Est 115Y Arr. 05 2142  
Jed B

Comp &amp; dis

7-21-20

117 2

148.8

3018

3340

316

322

638

+272

112 3

153 6

294 2

336 4

413

422

835

+240

+2.09

Q.

207 2

241 6

298

608

344

310

654

Mean = +268

+2.66

212.2

236 8

298

555

246

257

503

+296

+325

7-26-45

12-24-08

Observations different on account of  
haze + moonlight.

5277.517

C

Jan - 31 - 1928

736 20	a			
	2098			
	2375	277		
	304	284		
	588	561	+301	

2103			
2382	279		+294
298	316		
614	595		+288

	b		Mean = +273
2986			
3288	302		
1173	375		
1548	677		+259

	2988		
	3344	356	252
	1158	362	
7-4100	1520	718	245

12-38-40  
5277.527

C<sup>6</sup>



Jan - 31 - 1928.

V Wma 090151 Too faint for  
Photometer in the bright  
moonlight <sup>led</sup> haze.

8-02.

Est 10-5-

f 30

Too much haze & Moon  
to continue to advantage

~~Jan 31 1928~~

Thursday Feb. 2 - 1928

L.C. obs.

12' Polar

7-53.

L.L. Aur.

060547

Est 11.5

7-55

U. Gem.

074922

Est 11.8~~Y Aur.~~~~052142~~~~Photometer P~~

o Ceti

021403

Photometer R

Red B

~~7-59~~  
~~8-00~~

286.6

var dec

353.8

672

106.8

726

179.4

1398

- 078

~~353.8~~

289.4

354.2

648

- 088

106.9

651

172.0

1299

- 095

Mean =  $\frac{91.9 + 104}{8.15}$ 

a

202.8

265.2

624

16.6

616

78.2

1240

- 111

201.3

258.0

570

- 119

17.8

394

- 127

8-04-40

77.2

1164

13-01-50

5279.543



Feb. 2-1928.

8-17-45-

y Aur  
Def B.

052142

120.4

1496

3002

3340

292

238

530Comp. ~~\*~~ dis

+3.14

I

117.4

1514

3008

337.8

340

370

710

+280

+247

A

Mean = +309

2137

2374

338

068-

237

230

467

+342

2133

2366

338

588

233

230

483

+338

+335-

8-23-45-

13-20-45

5279.556

C

Feb. 2 - 1928 -

	A.			II
8-3348	2106			
	2878	272		
	31.4	263		
	577	<u>53.5</u>	+3.12	
	2105			
	2385	280	+328	
	348	204		
	552	<u>484</u>	+334	
	B.		Mean = +	298
	3016			
	3319	303		
	1198	410		
	1508	<u>71.3</u>	+246	
	3014		+269	
	3308	294		
	1212	290		
8-39-20	1502	<u>584</u>	+292	
8-13-36-32				
5279.567				

6



Feb. 2 - 1928-

U 3. Aur

050740

Ded. A.

Comp X deb

I

8 49 00

1966

2596

630

218

494

712

1124

+136

1913

2671

758

+106

148

650

798

1408

+076

Ded.

Mean = 094

2853

3578

725

1015

725

1740

1450

+067

2858

3508

650

+081

1002

664

8-53 30

1666

1314

+095

13-51 -15

5279.577

C

Feb. 2 1928

$\begin{array}{r} 9-2020 \\ 2872 \\ 3586 \\ 1038 \\ 1698 \end{array}$ 
 $\begin{array}{r} 634 \\ 660 \\ \hline 1294 \end{array}$ 
 $+099$

$\begin{array}{r} 2786 \\ 3496 \\ 1010 \\ 1730 \end{array}$ 
 $\begin{array}{r} 710 \\ 720 \\ \hline 1430 \end{array}$ 
 $+085$   
 $+071$

$\begin{array}{r} A. \\ 144 \\ 804 \\ 1962 \\ 2686 \end{array}$ 
 $\begin{array}{r} 660 \\ 724 \\ \hline 1484 \end{array}$ 
 $+061$

$\begin{array}{r} 162 \\ 798 \\ 1966 \\ 2056 \end{array}$ 
 $\begin{array}{r} 636 \\ 790 \\ \hline 1426 \end{array}$ 
 $066$   
 $072$

Comp  $\star = \star @ 5^h 4^m + 40^\circ 5' (1800)$   
 $+14-22-38$   
 $5279.599$



Feb. 2/1928

9-35-40

Std A.

198.2

2548

162

762

566

100

1166

+127

III

1936

2606

135

172

670

637

1307

+112

096

78.

Mean = +103

2825

3505

1009

1712

680

703

1383

+081

2826

3504

1084

1668

678

584

1262

+094

+106

9-40-20

14-38-00

5279.610

b

Sat. Feb. 11, 1928

L.C. Q.

1:27

M. Gem.

SS Aur 06 05.47 Est 12.8

7:30

M. Gem 07 49.22 Est 9.8

Y Aur 05 21.42 Phot J  
And a

7:1

All cloudy  
useless to continue

8: PM



116

Mon. Feb. 13 - 1928  
L.C. obs.

7-30 6 Gen 074922 Est 10.2

7-32 S.S. Ann 060547 Est 12.6 x seen.  
var suspected only -

Y Ann 052142 Phot P.  
Died A. Comp & des

7-3400

3040

3324 284

120.0 326

1526 61.0 +282

3006

3362 356 +259

114.1 391

1532 74.7 +236

B -

298

593 295

2118 296

2414 591 +289

338

574 236

2127 273

2400 30.9 +324

7 39-45

12-36-52

5290.526

✓

Feb. 13 - 1928.

50  
7-~~58~~-13

B.  
 33.4  
 604      270  
 2125    260  
 2385-    53.0

+ 31.4

II

318  
 633      325  
 211.7    327  
 2444    63.2

+ 290

+ 267

A.  
 1158  
 1315-      357  
 2992      384  
 3376      74.1

mean = + 276

+ 23.7

1182  
 1504      322  
 3022      280  
 3302      60.2

+ 261

+ 285-

7-55-05

12-52-39

5290.537

e



Feb. 13 - 1928

8- .05-

Nova Tauri 051316 Est g nova  
E 4, 2 fComp\* for the nova  
1 mag 2 1 brighter + dis  
B star 1 dis~~66.2~~

8 1430

2033

2494

461

254

421

675-

88.2

196

2038

2468

430

204

404

608-

834

210

203

A

Mean ~ 166

2902

3442

540

1114

528

1642

1068

+149

2853

3478

625-

1050

625

130

8-1920

1670

1245-

110

13-16-55

5290.553

Feb 13 - 1928

	3 with 9-	3 dis
8-31 10	<del>72.8</del>	
	193 2	650
	238 2	<del>630</del>
	124	670
	794	<del>1640</del>
	1320	094
	1956	
	255 2	596
	162	604
	766	<del>1190</del>
	1200	106
	2834	119
	356 2	728
	1086	730
	1736	<del>1458</del>
		066
	2792	
	3496	704
	994	931
L 40.5	1725	<del>1435</del>
		076

Not possible to measure any  
more stars in this sequence  
tonite.

13-35-25

5290.567

6



Feb, 13 - 1928.

David

RV Tan. 044126

I

Dec 9

9-10 45

109.8

Comp 4 dec

1622

524

290.2

522

3424

1046

+154

1096

1636

540

+154

2918

514

3432

1054

+153

A

mean 155-

1964

2498

534

200

523

723

1057

+152

1978

2512

534

156-

206

494

9-15 20

700

1028

159

14-13-02

5290.592

C

Feb 13 1928

9 21:00 <sup>a</sup> 2012 II  
 2506 494  
 236 531  
 767 1025 +160

~~2006~~

2006 +172  
 2467 461  
 232 472  
 704 933 +183

.  $\sqrt{8}$  -

mean = 156

2880  
 3396 516  
 1126 507  
 1633 1023 +160

2864  
 3454 590 +140

1086 612  
 9-25:30 1698 1202 +119

14-23-25

5290.599

C



122

Feb. 13 - 1928.

R.V. Lem. 064333

B

Comp x dis

9.39 40

1908

2568

9.9

795

660

696

1356

+086

I

1928

2594

148

819

666

671

1337

+088

+090

A.

Mean +074

2866

3524

992

1712

658

720

1378

082

2713

3584

973

1713

871

740

1611

059

036

9-44 00

14-41-50

5290.612

C

Feb 13 1928

123

<sup>6</sup>  
~~A~~  
 9 48 20 2780  
 3522 742  
 993 723  
 1716 146.5 064

2800 069  
 3524 ~~068~~  
 1056 724  
 1747 691  
141.5 074

B  
 164  
 782 618  
 1950 594  
 2544 121.2 117  
 mean = +0.86

169  
~~+169~~  
 872 703  
 1908 652  
 9-53 00 2560 135.5 102  
 087

14-50-40

5290.619



Tuesday, Feb 21 - 1928

7-17 S.S. Aurigae 060547 Est 107  
at maximum

7-19 U. Leonis 074922 Est 128

~~U. Aurigae 052142~~

o Ceti 021403 Photometer V.P.  
ded B variable div.

07-2<sup>6</sup>40

2416		
3166	750	
72.2	606	
1328	<u>135.6</u>	-086

2411		
3171	760	-093
712	529	
1341	<u>1289</u>	-100

At

mean =  $\frac{919 - 084}{835}$

1546		
2222	676	
3350	692	
4042	<u>1368</u>	-084

1546		
2256	710	-076
3344	730	
4074	<u>1440</u>	-069

07-3210  
12-29-25  
5298.520

2

Feb 21 - 1928

Jf Auger 052142

End B

Photometer T.

Comp \* 20

07-3840

3022

3304

1224

1478

~~2~~82

234

536

3.11

3004

3338

1146

1324

334

378

712

279

247

A.

324

588

2108

2394

264

286

550

306

322

344

578

2136

2380

234

244

478

337

07-4400

x

12-44-20

5298.528

6



Feb 21 - 1928 -

8-7 30

Nova Tauri 051316 Est. #9.5g

3 with 9

1936

2548

188

826

\*

3 dis

612

638

1250

108

1972

2548

174

755

576

581

1157

118

129

2828

3538

1102

1728

710

626

1336

Mean = 104

090

2826

3492

1034

1704

666

670

1336

090

8 1420

090

13-10-55

5298.549

c

Feb 21/1928

8-19-00 3 with 18. <sup>3</sup> Comp ~~to~~ dis  
 did a  
 1086  
 1707 621  
 2848 599  
 3447 1220 115-

1052  
 1672 620 116  
 2878 590  
 3468 1210 117

B Mean = 134  
 1976  
 2512 536  
 168 574 139  
 742 1110

152

2092  
 2558 466  
 198 539  
 737 1005 164

8-30

13-24-30

5198.558

6



Feb 21 - 1928

8-32 00 3 mch C. 3 dis

B

212

674

2052

2463

462

411

873

199

222

644

2032

~~2478~~

422

446

868

200

200

-9-

111.4

1644

2922

3386

536

464

994

mean = 186

167

1153

1616

2924

3418

463

494

957

172

176

8-41-

13-36-30

5298.567

e

Feb 21 - 1928

8 53-

2 wrd

3

3 div -

97.4

177 4

800

276 3

829

359 2

1629

032

952

1728

776

030

275.2

869

3621

1645-

029

Mean = 040

~~2598~~

120

917

797

1882

776

2658

1573

043

9.4

85.5

761

050

8.58

1877

747

2624

1508

056

13-55-30

5298.581

6



130

Feb 21- 1928

	1 with 2 -	* 1 dec	
9-08-	B 1958 2500 212 724	542 512 1054	-153
	1984 2500 218 701	516 483 999	-160 -166
	A. 2858 3458 1074 1636	600 562 1162	mean = 134 -128
9-12	2842 3504 1044 1714	662 680 1332	109 091
14-10-00			
5298.590			

C

Thursday Feb. 23 - 1928  
12" Polar.

L.C. Obs.

7-25 S. S. Aringal Est 11.0

Covered with Derr - Telescope  
mirror - burn right.

Impossible to continue further



132

888 J12

Tuesday Feb 28 - 1928

12" Polar

L.C. obs.

8-20

S Aurigae 060547 Est. 12.2

M. Aurigae 052142 Photometer T.  
 Red B Comparison \* Lis

8-23-20

1146

1536

2968

3320

390

352

74.2

+2.37

1148

1588

2999

3372

A

2082

2428

352

622

440

373

81.3

+216

Mean = +258

346

270

616

+280

211.8

2398

312

600

280

288

568

+289

+298

8-29-35

13-26-28

5305.560

6

Feb. 28 - 1928

8:39:35 A. II

2108	
2387	279
320	272
592	<u>551</u>

+ 3.05

211.6	
2402	286
362	<u>241</u>
603	52.7

+ 3.10

+ 3.15

B.

3028	
3326	298
1196	<u>369</u>
1565	667

Mean = + 272

+ 262

2969	
3368	399
1124	<u>448</u>
1572	847

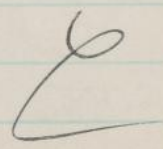
+ 234

+ 206

8-45-

13-42-18

5305. <sup>571</sup>~~574~~





Feb 28-1928

B

8-52 55

2960

3372

1124

1532

412

428

840

+208

3018

3330

1122

1518

312

396

708

+228

+248

A.

Mean = A 250

31620

638

2087

2402

322

315

637

+273

320

654

2092

2396

334

304

638

+272

+272

8 58 00

13-55-28

5305.580

e

三

9 03 10	2239		
	2286	47	
	426	58	
	484	<u>10.5</u>	- 6.69

2302	66	
411	83	
494	<u>149</u>	-3,93

$$\begin{array}{r} 3122 \\ 3238 \\ 1290 \\ 1386 \\ \hline 212 \end{array}$$

3143		
3209	66	-557
1316	80	
1396	<u>146</u>	-598

Comp \* = \* just ~~start~~ following variable <sup>start</sup>  
close by /

5305.587 Comp\* probe not one indicated above but  
observations differ on acct of large difference  
in brightness between stars.

$x^2 + 3x + 2 = (x+1)(x+2)$



Feb. 28 - 1928

Photometer

E. Ann.

9-11 10

A

3142

3216

1308

1387

7.4

7.9

15.3

-5.87

15

3138

3229

1300

1389

91

89

180

270

5.52

B

mean = -58.5

2422

500

2205

2296

78

91

169

-566

426

489

2238

2298

63

60

123

-600

-635

9-16 30

14-13-50

~~14-05-35~~

5305.593

C

Feb 28-1928

Phot T.

Alpha Orionis 054907  
 Variable will not disappear in  
 photometer.

$\eta$  Gem. 060822  
 B. Variable dec

9-40 20

416

H

499

83

2212

97

2309

18.0

-552

I

422

314

92

-544

2209

103

2312

19.5

-535

-A-

1328

Mean = -544

1414

86

3108

114

3222

200

-529

1317

1404

87

544

3123

87

9 45 10

3210

174

539

14-42-40

5305.613

6



138

Feb. 28 - 1928

9	40	A	$\eta$ Gen	<u>II</u>
50		1327		
		1413	86	
		1322	99	
		1421	<u>185</u>	
				Phot J
				- 546

3106			
3218	112		539
1304	85		
1389	<u>197</u>		532

- B -			
397			Mean = 548
522	125		
2194	110		
2304	<u>235</u>		- 494

437			558
504	67		
2219	64		
2284	<u>131</u>		621

9-55-10

14-52-55

5305.620

C

Feb. 28/1928  
yes sun

5 Gen 065720 I  
Phot P.

90-0250

Inf-B

1240

variable dis-

1533

293

3044

298

3342

591

289

1266

1516

250

3067

231

312

3298

481

336

A

mean = -321

402

598

196

2184

240

2424

436

358

356

330

622

266

2142

296

10-0720

2438

562

301

15-05-05

5305.628

6



140

Feb 28 - 1926

10 9 25	$\sqrt{A}$	$\delta$ gen	
	388		
	632	244	
	2136	340	
	2476	<u>58.4</u>	-292

	357		
	592	235	-802
	2152	301	
	2453	<u>53.6</u>	-311

	$B$		mean = -3.29
	3146		
	3282	136	
	1264	234	
	1498	<u>370</u>	-394

	3146		356
	3472	326	
	1336	194	
10 14 00	1530	<u>52.0</u>	318
15-11-42			

Comp \* = companion just north of  
variable.  
5305.633

Thursday March 1 - 928  
 12" Polar. Phot 5

L.C. obs

7-19. S.S. Augae 060547 Est. 12.7

Y Augae 052142  
 Ded-B Comp. & dis

7-22

3048

3330

1168

1512

282

344

62.6

PhAT

+276

3034

3324

1158

1534

a.

332

599

2148

2398

290

376

66.6

+262

+269

Mean = +304

+3.20

336

584

2164

2362

278

198

436

+339

+358

7-27

12-24-30

5307.5/17

e



142

March 1-1928

- @ -

II

7-39.

37.0	
555	185
2150	216
2366	<u>40.1</u>

+376

336	
556	220
2160	216
2376	<u>43.6</u>

+367

+358

B.

Mean = 342

1228	
1502	274
3003	301
3304	<u>5.75</u>

+296

1234	
1484	250
3055	225
3280	<u>475</u>

318

7-44

339

12-41-30

5307.529

C

March 1-1928

	B.		III
7-49	1218		
	1506	288	
	3026	272	
	3298	<u>560</u>	+302
	1202		
	1500	298	+300
	3016	268	
	3284	<u>566</u>	+299
	-Q-		Mean = +318
	2124		
	2384	260	
	348	230	
	518	<u>490</u>	+332
	2136		
	2363	227	339
	352	232	
7 54	584	<u>459</u>	346

12-51-30

Observations quite difficult on arc it z  
 proximity to moon  
 5307.536



March first - 1928.

R. V. Tauri 044126

Too much moonlight for  
this stay. (★)

Phot T.

E Aurigae 045343

did. B

Phot T.

8- 10

433

variable dis

481

48

2238

54

2292

102

-676

412

484

72

-626

2217

90

2307

162

-575

Mean -588

~~1314~~

3121

3222

101

1312

92

1404

193

-537

3126

3216

90

1312

81

1393

171

563

550  
~~548~~

P-21

13-16-00

5307.553

2

March first 1928

8-31- } Gen. 060822  
 } Ind-B Variable as Phot T  
 42.4  
 496 72  
 2222 76  
 2298 14.8 -5.95

408  
 492 84 -559  
 2202 122  
 2324 20.6 -523

A Mean = -572  
 1326  
 1398  
 3108 72  
 3204 96  
168 567

1330 384  
 1384 54  
 3122 90  
 8-36 3212 144 601

13-33-30

5307.565

C



146

March first 1928.

8:49

A  
 1322  
 1394  
 3114  
 3208

7.2  
 94  
 166

-5.78

II

1307  
 1422  
 3118  
 3208

115  
 90  
 20.5

047

524

B

2219  
 2308  
 398  
 498

89  
 100  
 18.9

Mean = -542

541

2216  
 2309  
 412  
 516

93  
 104  
 19.7

536

532

8:54

13-51-30

5307.578

C

March 1-1928

9-0.4

B  
 2208  
 2298  
 412  
 516

90  
 104  
 194

-536

III

2222  
 2323  
 421  
 510

101  
 89  
 190

-538

-540

A.

Mean = -538

3123  
 3198  
 1322  
 1414

75  
 92  
 167

-568

3118

3222

104

-538

1312

116

-508

9-09

1428

220

14-06-30

5307.587

C



March first 1928

B Gem

Sep B

065720 Phot R.  
Variable dis -

9-15-

1342	
1486	144
3125	180
3305	<u>324</u>

I

1327	
1507	180
3122	186
3308	<u>366</u>

-428

410

396

A.

394	
626	232
2168	246
2414	<u>478</u>

Mean = -374

337

384	
586	202
2155	267
2422	<u>469</u>

338

9-20

341

Reading in 1st half  
doubtless mostly read.

see p 151.

March first 1928

38  
9 ~~28~~

A-

354	
096	242
2164	262
2426	<u>30,4</u>

-32.5

II

402	
586	184
2166	241
2407	<u>425</u>

-344

-363

VB

3126	
3287	161
1336	169
1505	<u>330</u>

Mean -346

see next page

419  
reading read in  
wrong direction

9-42

3108	
3288	180
1376	186
1532	<u>266</u>



March first 1928

II Cont.

1248

1499

3082

3278

251

196

447

352

1275

1525

250

348

3092

214

3306

464

344

9-45

14-41-30

5307.612

C

March first 1928

~~sub~~  
 B

~~III~~

9-47

1260  
 1526 266  
 3082 238  
 3320 504

-325

1277  
 1494 217  
 3082 212  
 3294 429

-343

-361

a

Mean = - 346

392  
 592 200  
 2163 255  
 2418 453

348

388  
 598 210  
 2167 240  
 2407 450

350

351

9-51

14-49-00

5307.617

C



Tuesday  
March 2 - 1928

7-08 20

4 Aur. 052142 Phot T.  
Dud. B Comp & des  
1163  
1526 363  
2988 351  
3339 71.4 +246

1136  
1569 433 +217  
2979 443  
3422 87.6 +98

- 9 -

Mean = 252

2098  
2463 365  
316 300  
616 663

262

2130

2408

344

606

278

262

540

286

7-13 30

310

12-11-00  
5308.508

c

March 2 - 1928

7-2020 A.  
 2138  
 2426 288  
 356 266  
 622 354 +304

2080  
 2428 348 +278  
 300 348  
 648 696 +202

Mean = + 250

B.  
 2956  
 3386 430  
 1164 408  
 1572 838 +208

7-2530  
 2978  
 3358 880 +224  
 1177 349  
 1326 729 +241

12-22-40  
 5308.516

C



March 2 - 1928

E Arugae 045343 Phot T

Def-B

var dis

II

7-30 50

2234

2274

433

486

40

53

93

- 6.96

2222

2312

402

502

90

100

190

- 618

- 540

a

3118

3242

1308

1404

124

96

220

Mean - 568

- 508

3116

3228

1318

1408

112

90

202

- 518

- 527

7-35 50

12-33-20

5308.523

c

March 2 - 1928

7138.00

a  
 3136  
 3220  
 1316  
 1416

84  
 100  
 184

- \*5.47

II

3135  
 3233  
 1294  
 1400

98  
 106  
 204

- \*536

- \*525

B

398  
 500  
 2226  
 2326

102  
 100  
 202

Mean = 552

- 527

428  
 494  
 2237  
 2308

66  
 71  
 137

- 569

- 611

7-4235  
 12-40-18

5308.528

C



March 2 - 1928

S ~~un~~ 065720 Phot P  
B var des.7-47<sup>18</sup>

3082

3278

1277

1482

196

205

401

-376

309.7

3268

1304

1474

171

170

341

-394

-412

A.

mean = -384

2176

2392

402

566

216

164

380

-388

2180

2402

381

588

222

207

429

-374

-361

7-52 30

12-49-50

5308.535

e

March 2-1928

8-2-5

Ind A.

2152

2404

394

568

252

174

42.6

-363

II

2172

2387

378

602

215

224

439

360

336

VB

Mean = 376

1300

1482

3098

3268

182

170

352

405

1297

1492

3084

3282

195

198

393

393

381

8.645

13-04-25

5308.544

C



March 2-1928

U Hydrae

10 32 12

8-45 30

215 2

Phot V  
Variable dis I

241.3 261

320 248

568 50.9

-324

2175

2368 193

355 203

558 396

-352

-379

Q

Mean = 349

3068

3280 212

1242 220

1462 432

-360

3068

3326 258

1249 228

1477 486

-346

333

8 58 30

13-48-00

5308.575

Moon too bright to continue  
to advantage

9.22

3

Sat. March 2 - 1928

12" Pole

LCCLb

4 Am. 052142 Phot T

21.0 118.4  
153.2 348  
300.2 350  
335.2 698 + 2.51

I

118.2  
153.6 354 + 2.48  
298.2 366  
334.2 720 + 2.44

a

mean = +2.72

210.8  
241.8 310  
32.2 292  
61.4 602 + 2.85

214.2  
241.6 274 + 2.96  
33.8 270  
60.8 544 + 3.08

27.8

12-24-04

~~5308.517~~

5309.517

e



Mar 3 / 1928

Y Am.

II

7 47.0

208.6

247.4

33.4

61.2

388

278

666

+ 262

209.6

243.7

34.6

61.2

341

266

607

+ 284

+ 273

mean = + 2.74

301.4

329.4

121.2

149.2

280

280

560

+ 302

298.8

334.2

118.6

155.0

354

364

718

+ 2.74

+ 2.45

7 540

12-50-30

5309.535

Mar 3/1928

E Am. 045343 Plot T

B

&gt; 58.0

42.8	64	
49.2	7.0	
223.2	13.4	— 6.16
230.2		

I

41.6		5.94
50.0	8.4	
223.2	8.0	— 5.72
231.2	16.4	

Mean — 5.58

A

129.4	100	
139.4	128	
310.0	22.8	— 5.01
322.8		

130.7		— 5.22
-------	--	--------

139.8	91	
312.4	96	
322.0	187	— 5.44

8 4.8

~~13-4~~

13-01-04

5309.542

6



162

Mar 3/1928

 $\Sigma$  Aurigae $\delta$  20.0

130.6

139.0

311.2

320.8

131.0

139.4

312.4

321.2

 $\beta$ 

40.2

49.6

221.8

233.2

40.3

49.8

222.2

233.0

 $\delta$  28.0

13-24-00

5309.558

8.4

9.6

18.0

- 55.2

8.4

8.8

17.2

- 56.2

Mean = - 54.0

9.4

11.6

20.8

- 5.20

9.5

10.8

20.3

- 5.26

C

Mar 3/1924

5 Gun - 065720

B

Phot R

I

9 04.0

125.5

149.8

310.2

327.2

243

170

41.3

- 370

129.0

147.4

311.2

327.4

184

162

34.6

- 409

- 384

Mean = - 3.74

A

38.6

59.8

218.0

239.2

40.4

57.8

217.5

242.5

21.2

21.2

42.4

- 3.64

- 364

17.4

250

42.4

- 364

9 12.6

14-08-03

5309.589

E



Mar 3/1924

a 5 Jan

II

9 21.2

39.2

57.2

216.8

239.2

18.0

22.4

40.6

- 375

39.8

57.8

216.4

240.4

180

240

420

- 370

- 366

Mean = -3.84

B

312.2

328.4

127.8

150.4

368.6

327.6

130.2

145.5

162

22.6

388

- 384

- 3.98

190

153

343

- 411

9 27.8

14-24-05

5309.600

c

Thursday March 8- 1928

Y Aurigae 05 21 42 - - Phot. T.  
B Comp

7-23 30

301.2

330 8

296

118 2

310

149 2

60.6

+284

299.7

331 8

321

+271

117 7

357

153 4

67.8

+258

-A-

Mean = +310

344

57 6

232

212 8

244

237 2

47.6

+338

37 8

58 9

211

+348

215 3

227

7-28 30

2380

438

+357

12-26-00

5314.518

C



March 8 - 1928

072820<sup>c</sup> Hertz's ~~★~~ ~~Photometer~~ ~~T~~  
~~18~~  
 7-43 50 2838 ~~Variable~~ dis  
 3510 672 Comp ~~★~~ dis  
 997 740  
 1737 1412 +075-

2728  
 3586 858 +045-  
 902 862  
 1764 1720 +015-

~~A~~  
 158  
 838 680  
 1922 722  
 2644 1402 +077  
 Mean - +070

162  
 768 606 +095  
 1942 622  
 2564 1228 f113

7-48 45'  
 12 35  
 12 46 18  
 25 314.532  
 518  
 .014

6

March 8-1928

II

7:52 45

A  
138  
806  
1938  
2588

668  
650  
1318

+094

1

148  
789  
~~1578~~  
1828  
2612

641  
784  
1425

+083

+072

B

Mean = +066

918  
1748  
2702  
3608

830  
906  
1736

012

1022

1692

2833

7-59:01 3512

1146

670  
679  
1349

50

088

12 50 53

25 314. 539

576

021

6



March 8-1928

8-4-38

B  
98.2

1764

2762

3563

782

801

1583

+041

965

1738

2764

3598

773

834

1607

+039

+037

Q-

1863

2588

12.3

804

725

681

1406

Mean = +062

+076

1950

2598

146

820

648

674

1322

084

+093

8-09-39

14 17

13 07 08

25314.54)

518

029

6

March 8 - 1928

I	A			IV
8-23 40	18'98			
	2578	680		
	16.4	622		
	786	<u>1302</u>	+097	
	1908			
	2648	740	082	
	<del>62</del>	712		
	138	<u>1452</u>	067	
	850			
	B		Mean +0634	
	2744			
	3588	844		
	998	851		
	1849	<u>1695</u>	020	
	<del>1714</del>			
	2838			
	3540	702	044	
	8-28 30	750		
<u>8-28 30</u>	1002	<u>750</u>		
5343	1752	<u>1452</u>	067	
13 26 52				
25314.560	518			
	.042			C



March 8-1928

8 38 10

$$\begin{array}{r}
 B. \\
 274.4 \\
 357.0 \\
 99.8 \\
 178.0 \\
 \hline
 1608
 \end{array}$$

+037

$$\begin{array}{r}
 277.4 \\
 356.8 \\
 96.4 \\
 175.5 \\
 \hline
 1585
 \end{array}$$

+039

+041

$$\begin{array}{r}
 A. \\
 166 \\
 872 \\
 1911 \\
 256.6 \\
 \hline
 1361
 \end{array}$$

Mean = +062

+085

$$\begin{array}{r}
 12.8 \\
 794 \\
 1916 \\
 2616 \\
 \hline
 1366
 \end{array}$$

+084

+084

8-4250

13 40 30

25314.570

$\frac{518}{.052}$

c

March - 8 - 1928

VI

8-49.33

<u>A</u>		
9.8		
824	726	
194.0	660	
2600	<u>1386</u>	+0.80

105		
806	701	+0.79
1914	694	
2608	<u>1395</u>	+0.78

Mean = +0.60

<u>B</u>		
175.3		
1783	830	
2758	824	
3582	<u>1654</u>	+0.28

990		
1760	790	+0.42
2804	729	
3533	<u>1519</u>	+0.56

5430
<u>8-5830</u>
403

13 52 02

25-314.578

57.8
<u>0.60</u>

Moon considerably well above horizon  
 making observations more difficult  
 abandon for tonight

6



172

Sat Mar 10 - 1928

12" Polar L.C. Obs. E.B.C. Rec  
 B. - Puffer 072200 Phot T

7.24.0

3546

108 7.8

1718

2787

30.2 ✓

99.2

172.9

284.8

reject.

as

195.2

256.8

21.1

3  
 7.38.0

74.4

Star disappeared in haze  
 & cloud. very difficult to obtain  
 what I did get.

Shy Mary honey O'Murphy.

7 45 Too poor to continue.

Mar. 10 - 1924

a

B



174

Monday March 19- 1928

8-8- S S Aur. 860547 130 Est I-

Hutz. \* 072820<sup>9</sup> X Pup  
delf B Comp \* dis

8-15:10

2744

3608

996

1778

864

782

1646

2694

3696

896

1872

Q

18

908

1794

2686

1002

976

1978

1622

890

892

1782

+0.29

-0.02

Mean = +0.14

-0.34

+0.03

+0.30

+0.58

8-20 05

1896

2633

760

737

1497

13-17-32

5325.554

C

March 19 - 1928 -

	A	X Ref.	II
8-2358	4.8		
	833	785-	
	190.0	734	
	2634	<u>151.9</u>	

+054

3.8	
984	946
181.4	844
2658	<u>179.0</u>

+028 ✓

+002

B.	
88.0	
1778	898
2684	926
3610	<u>1824</u>
	<u>1776</u>

Mean = +014 —

922	
1864	942
2733	830
3563	<u>1772</u>

-  
+005-

000.

✓ +005-

2853-

8 ~~2900~~

13-26-22

5325.560

C



March - 19 - 1928.

8 - 36 00 - Ref 072820C I

Ref. B.

1003

1740

2799

3536

737

737

1474

+ 0.63

1012

1728

2764

3468

716

704

1420

+ 0.68

+ 0.73

Ref.

1886

2596

137

850 -

710

713

1423

Mean + 0.78

+ 0.73

1946

2614

200

818

668

618

1286

+ 0.87

+ 1.01

8

8 - 41 45

13 77 45

38 52

5325.769

.548

.021

c

March 19-1928.

	<u>A.</u>		<u>II</u>
8-45-15	1916		
	2508	592	
	166	672	
	838	<u>1264</u>	+105

1975		
2615	640	<del>099</del> 1094
108	730	
838	<u>1370</u>	+083

	<u>B</u>		Mean + 089
	2804		
	3569	765	
	1058	692	
	1747	<u>1457</u>	+066

	2826		
	3550	624	+084
	1055	650	
8-50 15	1705	<u>1274</u>	+103
95 30			

134) 40  
 5325-57  
 .540  
+027



March 19-1928

8-58-35

B

III

1038		
1728	690	
2824	710	
3534	<u>1400</u>	+077

992	720	
1718	836	+062
2736	<del>1018</del>	
3572	1556	+047
<del>998</del>		

A.

mean = 066

135		
878	743	
1952	663	
2615	<u>1406</u>	+076

200		
900	700	+071
1827	<u>757</u>	
2584	1457	+066

9-03 50

25

1400 12

5325.583

540

.035

e

March 19 - 1928

9-15-10

12.4		
88.6	762	
1933	649	
2582	<u>1411</u>	+075

146		089
774	628	<del>088</del>
1927	<u>647</u>	
2574	1275	+103

Mean - 066

986		
1775	789	
2720	878	
3598	<u>1667</u>	+025

1402		
1708	706	+044
2788	771	
9-20-10 3559	<u>1477</u>	+062

14 30-20  
 17-40  
 53 25-596  
540  
 .040

C



March - 19 - 1928

9.26 50 B.  
 1030  
 1758 728  
 2771 745  
 3516 1473 +063

1054  
 1755 781 +060  
 2756 804  
 3550 1505 +057

A.  
 1948  
 2544 596  
 144 564  
 708 1160 Mean = 087  
 +1.28

1950 114  
 2626 676  
 180 608  
 788 1284 +101

9-32 00  
14 28 25  
 5325.605

548  
 -0.57  
 this  
 14-29-25?

Aggravation for Jovian to continue further on  
 being very poor tonight, making ob-  
 servations rather difficult.

Tuesday March 20 - 1928

12' Polar Phot. P.  
L.C. obs.

7-20. S.L. Arago 060547 Est - 128  
Seemingly poor

072820 C

7-27 30 Ind-B Comp ★ dis

974		
1758	784	
2748	826	
3574	<u>1610</u>	+036

892		
1794	902	+022
2750	862	
3612	<u>1764</u>	+007

-A-

1908		Mean = +045'
2622	714	
103	795	
898	<u>150.9</u>	+056

1

1855-		
2618	763	+068
177	630	
807	<u>1393</u>	+079

12 28 45

5326.5

131

8.08

0.389

Clouds over region  
Sky considerably covered with  
clouds

12-29-45



Wednesday April 21 - 1928  
 L.C. obs. C's watch correct.

	<del>A</del> B	72920 c	
7-30 40	287.8	Comp * obs	I
	350 5	627	
	1050	594	
	1644	<u>1221</u>	+114

2800		
3628	828	+064
968	894	
1862	<u>1722</u>	+015

.Q -		Mean = 1090
202		
822	620	
1914	710	
2624	<u>1330</u>	+092

	226		
	786	560	+117
	1968	540	
7-34 30	2508	<u>1100</u>	+142

12 32 35  
 5327.523  
 0.231  
 .227  
 5327.523

C

March 21-1928

736 15	A		
	18.2		
	77 4	59 2	
	197 6	57 4	
	<u>2550</u>	<u>1166</u>	+127

17.7			
75 6	57 9		+128
195 8	58 2		
<u>2540</u>	<u>1161</u>		+128

	B		Mean = 104
158 6			
175 5	74 9		
284 0	69 0		
<u>353 0</u>	<u>143 9</u>		+070

	104 4		080
	166 6	62 2	
	279 6	70 9	
<u>7-3955</u>	<u>358 5</u>	<u>133 1</u>	091

12 34 05
5327.526
2351

C



March 21 - 1928

$$\begin{array}{r} 759.00 \\ \hline 8-100-0 \end{array}$$

B

$$\begin{array}{r} 1008 \\ 1698 \\ 2846 \\ 3462 \end{array}$$

$$\begin{array}{r} 690 \\ 616 \\ \hline 1306 \end{array}$$

+097

$$\frac{111}{111}$$

$$\begin{array}{r} 94.8 \\ 1768 \\ 2829 \\ 3538 \end{array}$$

$$\begin{array}{r} 820 \\ 709 \\ \hline 1529 \end{array}$$

+074

+052

A

$$\begin{array}{r} 198 \\ 796 \\ 1873 \\ 2578 \end{array}$$

$$\begin{array}{r} 598 \\ 705 \\ \hline 1303 \end{array}$$

+097

Mean = +095

$$\begin{array}{r} 168 \\ 748 \\ 1972 \\ 2526 \end{array}$$

$$\begin{array}{r} 580 \\ 546 \\ \hline 1126 \end{array}$$

+116

+136

$$\underline{8-0340}$$

130120

5327.542

247

C

March 21 - 1928

8-13:00

A  
20.0  
74 6  
195 5  
257 2

546

617

116.3

+127

15 2  
77 2  
189 6  
253 2

620

636

1256

+167

+107

B.

Mean = +110

93.0  
174 6  
269 6  
353 8

816

842

1658

+627

148 4  
177 4  
282 2

770

626

1396

+052

8 17-20

3448

+078

13 15-10

522.552  
.257

C



March 21 - 1928 -

8 22 45

B.

1046

1664

2804

3496

618

692

1310

+096

✓

978

1736

2832

3602

758

770

1528

T079

052

A.

1978

2558

136

852

580

716

1296

+099

Mean = +100

1978

2523

200

762

545

562

1107

T120

+140

8-26:55

13 24 50

5327.559

264

c

March 21-1928

8-3320  $\begin{array}{r} 1986 \\ 2508 \\ 168 \\ \hline 780 \end{array}$   $\begin{array}{r} 522 \\ 612 \\ \hline 1134 \end{array}$   $+134$

$\begin{array}{r} 1938 \\ 2586 \\ 152 \\ \hline 812 \end{array}$   $\begin{array}{r} 648 \\ 660 \\ \hline 1308 \end{array}$   $+096$

$\begin{array}{r} 2838 \\ 3548 \\ 933 \\ \hline 1698 \end{array}$   $\begin{array}{r} 710 \\ 765 \\ \hline 1475 \end{array}$   $+062$

mean =  $+098$

$\begin{array}{r} 2847 \\ 3499 \\ 1070 \\ \hline 1702 \end{array}$   $\begin{array}{r} 652 \\ 632 \\ \hline 1284 \end{array}$   $+101$

$\begin{array}{r} 8-3810 \\ \hline 1140 \end{array}$

$\begin{array}{r} 133550 \\ 5327.567 \\ \hline 272 \end{array}$



March 21-1928

8-47 00

285.6	
3482	626
1016	660
1686	<u>1286</u>

+1.01

VII

2838		
3508	670	+088
1027	735	
1762	<u>1405</u>	+076

9.

Mean = +1.01

172		
828	656	
1938	892	
2530	<u>1248</u>	+1.09

213		
768	555	+1.24
1982	562	
2544	<u>1117</u>	+1.38

8-51 05

13 49 02

5327.576

281

C

Sept 21-1928

9-02-30  $\alpha$  VIII

	18.5	623	
	808		
	1974	559	
	2533	118.2	+1.23

	11.6		
	802	686	+1.10
	1938	625	
	2563	1311	+0.96

$\beta$  Mean = +0.82

	963		
	1800	837	
	2766	822	
	3588	1659	+0.27

	1606		
	1666	660	+0.54
	2886	628	
9-06-40	3514	1388	+0.80

1604 35  
5327 58  
292



March 21 — 1928

9-17:55"  $\begin{array}{r} 1022 \\ 1712 \\ 2821 \\ 3488 \end{array}$   $\begin{array}{r} 690 \\ 667 \\ \hline 1357 \end{array}$  086

$\begin{array}{r} 973 \\ 1735 \\ 2852 \\ 3524 \end{array}$   $\begin{array}{r} 762 \\ 672 \\ \hline 1434 \end{array}$  078  
071

$\begin{array}{r} 193.1 \\ 2572 \\ 152 \\ 798 \end{array}$   $\begin{array}{r} 641 \\ 646 \\ \hline 1287 \end{array}$  Mean = ~~+~~ 087  
+1.00

$\begin{array}{r} 1928 \\ 2588 \\ 155 \\ 818 \end{array}$   $\begin{array}{r} 660 \\ 663 \\ \hline 1323 \end{array}$  +096  
+093

9-22:20

14 20 08  
5327.597  
302

b

March 21 - 1928

X

9-2730

Q.  
1978  
2362  
116  
788

584  
672  

---

125.6

+107

1946  
2586  
150  
842

640  
692  

---

133.2

+099

+091

V3.

Mean = +076

2828  
3622  
982  
1753

794  
771  

---

1565

+0.45

2798  
3553  
986

753-  
721  

---

147.6

+054

93155' 1707

062

14 29 42  
5327.604  
309

6



March 21 - 1928.

B.

XI.

9-3720

274.4

3508

998

1827

764

829

159.3

+039

2778

3527

1008

1750

749

742

1491

049

059

-A-

142

862

1864

2658

720

794

1514

Mean = +

060

~~059~~

055

7.8

768

190.2

2574

690

672

1362

070

085

9-4200

14 39 40

5327 611

.316

Region getting too low to take any  
more observations on this ★.

e

Wednesday March 27 - 1928

L.C. obs

12" Polar

7-11

SS Aurigae 06054 est 12.6

seeing very poor; high muf.  
just cleared off.

8:00

seeing absolutely impossible

etc.



Wednesday March 28 - 1928  
 LC obs 12" Blau

7-40. S. S. Aurigae 060547 Est. 126

072820<sup>C</sup>

Phot T.

Std B.

Comparison ~~dis.~~

T

7-45:40

2792

3516

97.4

1754

724

780

150.4

+057

2778

3458

992

1708

- A -

244

784

1948 -

2526

680

716

1396

+078

+068

Mean +096

540

378

1118

+138

B

152

778

1928

7-50 30

2547

626

219

1245

+110

+124

12-48-05

5334.533

C

March 28 - 1928

8 - 00	$  \begin{array}{r}  146 \\  808 \\  1922 \\  \hline  2543  \end{array}  $	$  \begin{array}{r}  662 \\  621 \\  \hline  1283  \end{array}  $	$+1.01$	$\overline{H}$
--------	--	---	---------	----------------

$  \begin{array}{r}  153 \\  777 \\  1952 \\  \hline  2568  \end{array}  $	$  \begin{array}{r}  624 \\  616 \\  \hline  1240  \end{array}  $	$+1.11$	$106$
--	---	---------	-------

$  \begin{array}{r}  1979 \\  1668 \\  2802 \\  \hline  3498  \end{array}  $	$  \begin{array}{r}  689 \\  696 \\  \hline  1385  \end{array}  $	$0.80$	$\text{Mean} = + 0.85$
--	---	--------	------------------------

$  \begin{array}{r}  982 \\  1734 \\  2728 \\  \hline  3522  \end{array}  $	$  \begin{array}{r}  752 \\  794 \\  \hline  1546  \end{array}  $	$0.64$	$0.49$
---	---	--------	--------

13-02-12  
5384.543

6



196

March 28 - 1928

8-15:15

B	
104.4	
171 2	668
279 4	684
347 8	<u>1352</u>

+087

102 2	
172 4	702
280 6	698
350 4	<u>1400</u>

+082

+077

C

Mean = +095

1968	
2556	588
184	628
812	<u>1216</u>

+116

187 2	
249 7	625
12.4	660
784	<u>1285</u>

+108

8-20 40

+101

13-17-58  
5334.554

C

March 28-1928

$\alpha$   
 8-40:50 189 2  
 251 6  
 10 8  
 20 4  
 624  
 696  
1320  
 +0914

1978  
 2530  
 114  
 788  
 552  
 674  
1226  
 104  
 114

$\beta$   
 2800  
 3513  
 1011  
 1699  
 713  
 688  
1401  
 Mean = 081  
 +077

2792  
 3558  
 964  
 8-4430 1798  
 766  
 834  
1600  
 +058  
 +038

13-42-40

5334.572

6



March 28-1928

8-32 15

B		
2828		
3321	703	
978	806	
1784	<u>1509</u>	+056

2806		
3468	662	+080
1038	602	
1740	<u>1264</u>	+105-

-A-

200		
812	612	
1953	629	
2582	<u>1241</u>	+110

Mean = 091

	188		
	868	680	102
	1957	630	
9-02 15	2587	<u>1313</u>	095-

13-57-15  
5334.581

e

March 28 - 1928 -

9-1450

8.7		
842	755	
1944	700	
2644	1455	066

12.3		
858	735	062
1833	755	
2588	1490	039

9-20

Impossible to finish, too loss  
Images have disappeared



Tuesday 10-11 April 1928  
 12" Polars  
 JD 2425347.

L.E.C. Obs.

9:36	W Leonis	104814	<u>129</u>
9:43	S Leonis	110506	102
9:50	SU Draconis	113267	88?
10:05	V Hydrae	<u>104620</u>	96
10:25	V Leonis	095421	<u>128</u>
10:33	R Coma Ber.	115919	86
10:40	SU Virginis	120012	<u>122</u>
10:45	+ Virginis	<u>120905</u>	116
10:50	R Corvi	<u>121418</u>	81
10:54	SS Virginis	122001	89
10:57	T Can. Ven	122532	99
11:00	Y Virginis	<u>122803</u>	<u>100</u>
11:04	T U. Maj.	123160	89
11:07	R Virginis	123307	103
11:12	RSV Maj.	123459	121
11:15	SV Maj.	123961	91
11:21	V Virginis	124606	91
11:25	RT Virginis	125705	82?
11:29	New Variable close RT Virginis		127

Plotted except

113267

125705

last star

Thursday 12 April 1928

201

12" Pulser

R. G. C. Ous  
R. G. C. Ous

7:29

AG Aurigae 062047 ~~123f~~ 123f See A.N. 5506

8:00

AG Aurigae too faint for 12" photometer.



Sunday 13 April 1928.

E.S.T.  
Refined  
to moon  
uncorrected

J Geminorum 065820 - L.E.C. Per  
Comp \* = Companion I dis and brighter.  
Phot R I

10:05:15

163.5		
186.5	23.0	
341.2	<u>26.2</u>	3.31
367.4	49.2	

3.85

169.4		
183.5	14.1	
347.0	<u>16.1</u>	4.39
363.1	30.2	

A

-3.76

77.4		
93.8	16.4	
258.4	<u>15.5</u>	4.27
273.9	31.9	

$\frac{15.5}{76}$

3.68

74.6		
101.5	26.9	
252.2	<u>27.6</u>	3.08
279.8	54.5	

10:16:50

15-11-02

5350.633

Each number is the mean of two settings  
taken successively in the same manner

Average deviation of one setting about 1.0

13 April 1928

203

	B			II
10:29:30	72.6			
	98.9	26.3		
	249.9	<u>30.2</u>	3.00	
	280.1	56.5		
			3.56	
	78.0			
	94.6	16.6		
	257.1	<u>17.4</u>	4.13	
	274.5	34.0		
	A			- 3.63
	347.1			
	363.3	16.2		
	166.7	<u>17.3</u>	4.16	
	184.0	33.5		
			3.70	
	340.6			
	366.5	25.9		
	161.4	<u>24.6</u>	3.25	
	186.0	50.5		

10:46

15-37-45

~~5350.5~~

5350.651

Each number mean of two settings



204

13 April 1928.

10:50:10

A  
 343.7  
 365.6  
 162.4  
 185.9

21.9  
23.5  
 45.4

3.49

III

3.90

347.6  
 364.2  
 168.7  
 183.5

16.6  
14.8  
 31.4

4.30

B

3.78

258.0  
 275.2  
 76.9  
 95.0

17.2  
18.1  
 35.3

4.04

3.66

253.9  
 279.8  
 73.6

25.9  
23.9  
 49.8

3.28

11:07:15

97.5

15-58-42

5350.666

Each number mean of two settings.

13 April 1928

205

Phot T

SX Ursae Majoris 094950  
B Var dis (Comp star at  $9^h 49^m, +50.8 - 1855$ )

~~#124140~~

Official system of photometry T I  
again under point images that  
It is impossible to make a  
comparison.

A



206

L.S.T. referred  
to moon  
measured  
for water error.

Monday 16 April 1928.

UY Herculis 162938

Comp \* at  $16^h 36.5^m + 38^\circ.1 - (1855)$ 12" Pulcar  
Phot T.L.E.C. obs  
Run

A

Comp \* dis.

17:32:20

326.1

410.8

149.2

238.0

84.7

88.8

173.5

+ 0.12

+ 0.17

326.9

410.3

147.0

231.7

83.4

84.7

168.1

+ 0.22

B

+ 0.03

232.9

326.0

53.8

144.6

93.1

96.8

183.9

176.1

- 0.07

- 0.11

229.3

327.1

53.0

143.1

97.8

90.1

187.9

172.1

- 0.15

17:43:10

~~19-37-45~~

16 April 1928

207

19:46:10

B

234.3

322.0

54.7

142.9

87.7

88.2

175.9

+ 0.08

II

-0.06

234.3

328.1

50.2

146.7

93.8

96.5

190.3

189.7

- 0.20

+ 0.14

+ 0.20

A

150.0

232.5

324.5

413.7

82.5

89.2

171.7

+ 0.16

+ 0.33

148.6

228.0

331.3

405.2

79.4

73.9

153.3

+ 0.51

14:55:45

~~19:50:52~~



16 april 1928

A

15105:45

334.8

405.0

152.7

221.7

70.2

69.6

139.2

+ 0.79

+ 0.44

327.0

417.2

144.0

229.7

90.2

85.7

175.9

+ 0.08

B

237.0

328.0

50.5

146.2

91.0

95.7

186.7

173.3

+ 0.13

0.00

238.0

326.7

55.5

140.1

88.7

84.6

173.3

+ 0.13

15117:00

III

+ 1.022

16 april 1928

209

15:24:20

B

IV

240.2

321.8

60.2

141.8

80.6

81.6

162.2

+0.34

+0.28

238.2

322.2

53.0

137.5

84.0

84.5

168.5

+0.22

A

+0.28

329.0

412.2

145.0

230.0

83.2

85.0

168.2

+0.22

+0.28

330.0

411.6

146.6

227.8

81.6

81.2

162.8

+0.33

15:32:10



16 april 1928

15:36:40	A			V
	<del>327.1</del>			
	<del>226.6</del>			
	408.0	80.9		
	149.8	<u>74.9</u>		
	224.7	155.8	+0.46	
			+0.36	
	328.0		73	
	410.0	82.0		
	148.2	83.8		
	232.0	<u>165.8</u>	+0.27	
	B			+0.29
	237.2			
	323.1	85.9		
	60.0	<u>83.2</u>		
	143.2	169.1	+0.20	
			+0.22	
	239.7			
	320.1	80.4		
	56.0	<u>87.4</u>		
15:47:20	143.4	177.8	+0.23	

16 April 1928

211

	B			<u>VI</u>
15151100	237.8			
	322.2	84.4		
	61.2	<u>79.0</u>		
	140.2	163.4	+0.32	
	237.0		16.30	
	319.8	82.8		
	58.3	<u>81.9</u>		
	140.2	164.7	+0.29	
	A			+0.26 <sub>5</sub>
	146.7			
	230.2	83.5		
	324.4	<u>87.0</u>		
	411.4	170.5	+0.18	
			+0.23	
	147.4			
	229.2	81.8		
	326.8	<u>83.8</u>		
15158150	410.6	165.6	+0.27	



212

16 April 1928.

16:02:00

A

147.2

226.7

330.2

409.0

79.5

78.8

158.3

+0.41

+0.37

149.0

233.3

329.9

407.8

84.3

77.9

162.2

+0.34

4156  
39.

B

238.3

322.3

59.0

138.8

84.6

79.8

163.8

+0.31

+0.40

+0.42

241.8

320.1

59.8

135.3

78.3

75.5

153.8

+0.50

16:11:10

Same intensive in field.  
This group deserves little weight.

Watch 1<sup>st</sup> 17<sup>th</sup> Fast. about 4:30

E.S.T. referred  
to noon with  
inst. correction.

Tuesday 17 April 1928  
UY Herculis 162938

213

12" Polar  
Phot. T.

Comp \* at  $16^h 30.3^m, +38^{\circ} 1' - (1855)$

L. E. C. Run

06:20  
11:03:45

B

Comp \* dis

I

27.3

109.8

211.1

289.3

82.5

78.2

160.7

+ 0.37

+ 0.38

31.0

109.0

207.4

288.2

78.0

80.8

158.8

+ 0.40

+ 0.19 -

+ 0.18

A

117.7

207.0

294.8

386.7

89.3

91.9

181.2

178.8

- 0.02

- 0.01

112.3

204.3

299.2

11:18:20

387.0

92.0

87.8

179.8

+ 0.00

~~16-12-20~~

~~5354.675~~



17 april 1928

A

11:23:30

112.4

210.0

292.8

389.0

97.6

96.2

193.8

166.2

-0.26

II

116.0

200.0

295.7

381.7

84.0

86.0

170.0

+0.19

B

30.8

108.7

211.0

288.0

77.9

77.0

154.9

+0.48

+0.18<sub>5</sub>

29.3

107.7

208.2

293.6

77.4

85.4

162.8

+0.33

11:34.50

~~16-29-10~~~~5354.687~~

Stars about disappeared here. Are there clouds?  
 Yes! Definite airmass 2<sup>m</sup> deep in spots.

17 april 1928

215

	A		
11:48:30	210.0		III
	286.0	76.0	
	35.2	<u>76.4</u>	
	111.6	152.4	+0.53

210.4		
287.4	77.0	
31.0	<u>75.9</u>	
106.9	152.9	+0.52

+0.26+

113.0		
202.7	89.7	
297.0	<u>87.9</u>	
384.9	177.6	+0.05

	114.4		
	204.0	89.6	
	293.0	<u>92.8</u>	
11:59:10	385.8	182.4	-0.05
		177.6	

~~16-53-50~~~~5354.704~~

Sky O.K. Clouds passed off to South.



216

17 April 1928

12:03:50

1 111.7

207.0

291.2

386.1

95.3

94.9

190.2

169.8

-0.19

IV

113.0

204.4

298.7

381.7

91.4

83.6

174.4

+0.11

+0.16

211.0

290.1

20.9

106.6 -

79.1

85.7

164.8

+0.29

211.8

291.3

26.9

104.7

79.5

77.8

157.3

+0.43

12:13:20

~~17-08-35~~~~2354.715~~

17 April 1928

217

Bunch of Clouds have just passed, but it seems clear now.

V

12:42:40

213.3

288.7

26.3

106.3

75.4

80.0

155.4

+0.47

209.1

288.3

29.7

106.2

79.2

76.5

155.7

+0.46

+0.27-

299.8

381.3

112.7

204.7

81.5

92.0

173.5

+0.12

294.0

383.9

113.2

202.1

89.9

88.9

178.8

+0.02

12:53:30

~~17:48-05~~~~5:35:47.42~~

Clear except for very slight transp. of airm.



218

17 April 1928  
TZ Herculis 163138

Comp \* same as UY Herc.

Comp \* dis

13:08:45

260.6

330.0

84.1

150.2

69.4

66.1

135.5

+0.87

I

255.2

337.7

75.1

149.1

82.5

74.0

156.5

+0.45

+0.39+

339.0

430.4

157.7

247.3

91.4

89.6

181.0

179.0

-0.02

341.8

427.4

161.4

241.8

85.6

86.4

166.0

+0.27

13:19:45

~~18-13-52~~~~5354.760~~

17 April 1928

219

13123130

172.2

251.2

352.1

431.7

79.0

79.6

158.6

+0.41

II

166.7

254.8

347.0

436.6

88.1

89.6

177.7

+0.04

+0.375

264.8

339.0

77.8

156.2

74.2

78.4

152.6

+0.52

261.8

336.9

79.0

156.0

75.1

77.0

152.1

+0.53

13131:50

~~18-27-40~~

~~5354.767~~



220

17 April 1928.

13:32:40

257.0

338.0

79.2

152.0

81.6

72.8

153.8

+0.50

III

262.3

335.8

80.8

154.6

73.5

73.8

147.3

+0.63

40.31+

343.1

438.3

160.2

256.3

95.2

96.1

191.3

168.7

-0.21

352.7

430.7

167.7

252.3

78.0

84.6

162.6

+0.33

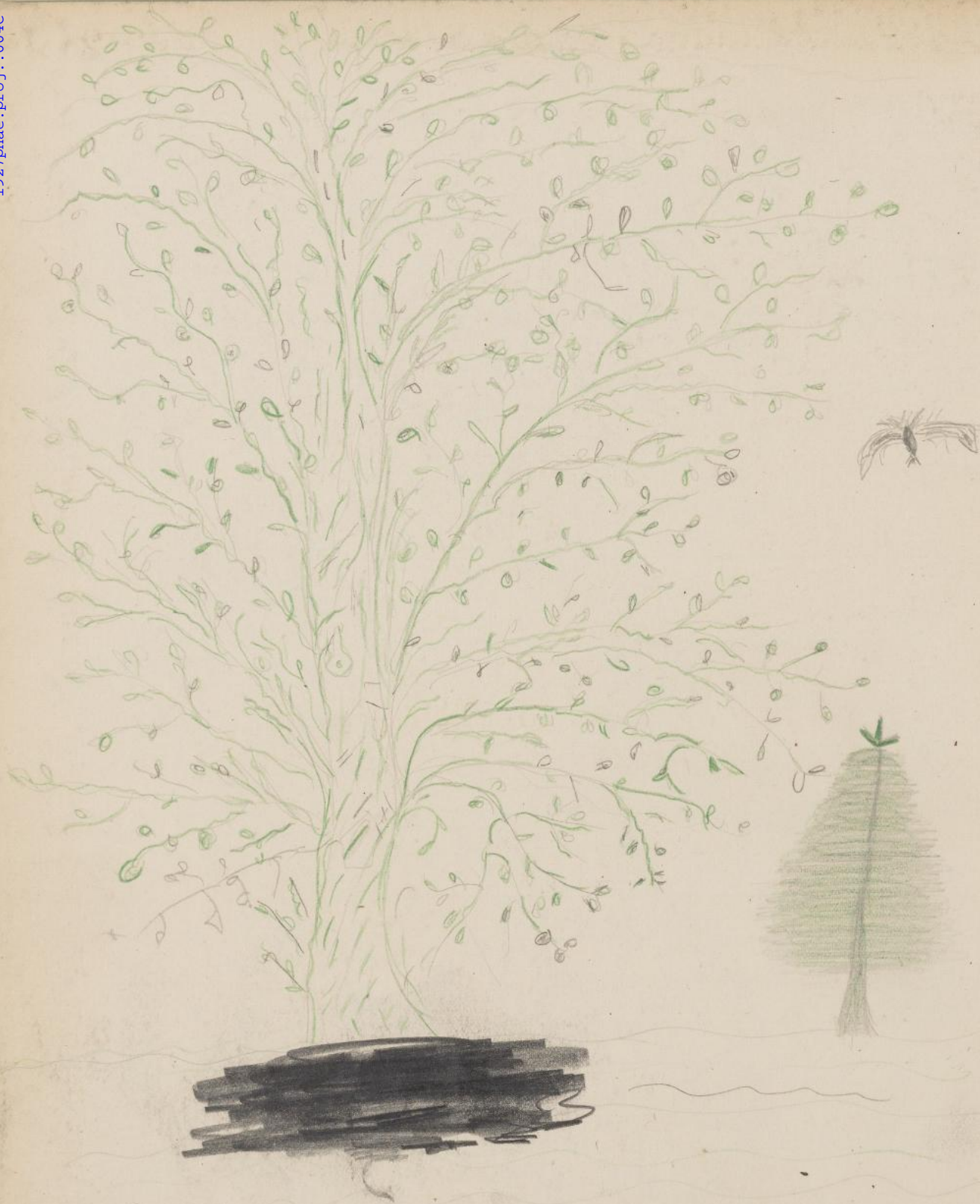
13:42:30

~~18-37-35~~~~5354.776~~



Star rats  
Abaleghyktu noppuraturwaj





These things are made by fools like me.  
Only God can make a tree

11 11 11 11  
11 11 11 11  
11 11 11 11



1927phae.proj..664C