VARIABLE STAR OBSERVATIONS

March - Oct.

1923.

KG 11365.654

Observations of Variable Stars.

March 14
to Oct 17
1923

KG 11365.654

HARVARD
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Wednesday March 14 - 1923

12 Polar. Phot I.

L.C. obs.	W. Ursa Maj 093556			F.I.C rec.
	Ind B	Comp * dis		
13:23 10	11 0			
	826	716		I
	1997	550		
	2547	1266	+105	
	118		+110	
	714	596		
	1974	623		
	2597	1219	+115	
	Ind A.		Mean = +151	
	1156			
	1558	402		
	2968	426		
	3394	828	+211	
	1040		+192	
	1564	524		
	2940	442		
13.26 30	3382	966	+74	
9 40				
13 24 50				
13 23 10				
.558				

L

March 14 - 1923

	Ind. a			II
13 29.05	1102			
	1616	514		
	2923	451		
	3374	965	+1.74	
	1116			
	1606	490	+184	
	2967	405		
	3372	895	+193	
	Ind B		Mean ~~.094~~	
	1914		+1.44	
	2622	708		
	150	586		
	736	1294	+ ~~.98~~ ~~144~~	
	1970			
	2572	602	+104	
	122	632		
13 32.20	774			
		1234	+108	
1 25				
13 30 42				
13 29 42				
.562 ✓				

March-14-1923

	B.			III
13 37 55	1888			
	2574	686		
	138	628		
	766	1314	+095	
	1944		+095	
	2564	620		
	168	696		
	804	1316	+095	
	a		Mean = +	1.36
	2876			
	3414	538		
	1139	429		
	1568	967	+.174	
	2900		178	
	3384	484		
	1124	452		
13 40 55	1576	936	+182	
50				
13 39 25				
13 38 25				
.568				

March 14 - 1923.

	Sid a			IV
13 49 50	2936			
	3448	512		
	1144	404		
	1548	916	+187	
	2966		+194	
	3368	402		
	1114	464		
	1578	866	+201	
	73		mean =	+ 1.55
	222	7		
	874	452		
	2003	534		
	2537	1286	+ ~~169~~ 1.01	
	162		0.96	
	748	686		
	1904	654		
13 51 50	2558	1340	090	
13 50 50				
13 49 50				
.526				

March 14/23

	B			V
13:55 32	12.2			
	747	625		
	1998	514		
	2512	1139	+133	
			+142	
	177			
	692	515		
	2018	550		
	2568	1065	+150	
	-C-		Mean I +	171
	~~158~~			
	~~707~~	~~549~~		
	2932	~~444~~		
	3376	444		
	1142	456		
	1608	900	+191	
	2932		+200	
	3338	406		
	1138	426		
13 59 25	1514	832	+210	
13 57 28				
13:6 28				
14: 0 0	C's watch, 1m fast by bell.			
.581				

Mar. 14/23

	a			VI
14: ~~07 50~~ 08'00	1128			
	1614	486		
	2952	410		
	3362	896	+192	
	1126		200	
	1556	430		
	2958	408		
	3366	838	208	
	B		Mean = + 182	
	2037			
	2512	475		
	174	494		
	668	969	+173.	
	2014		+163	
	2574	560		
	206	492		
14 10 50	698	1052	+153	
14 09 25				
14 08 25				

.589

✓

March 14/23

	B		VIII
14-15 15	1974		
	2514	540	
	148	556	
	704	1096	+143
			155
	2038		
	2504	466	
	155	529	
	684	995	+167
	a		Mean = +179
	2927		
	3388	461	
	1128	398	
	1526	859	+203
			+203
	2944		
	3370	426	
	1118	430	
14 18 15	1548	856	+203
13 30			

14,6 45

14 15 45

594

March 14 - 1923

	a			VIII
14:24:40	2948			
	3404	456		
	1136	428		
	1564	884	+196	
	2928		+197	
	3356	438		
	1128	436		
	1564	874	+198	
	B		Mean = + 180	
	200			
	700	500		
	1987	511		
	2498	1011	+163	
	136		+162	
	698	562		
	2030	462		
14 28 00	2492	1024	+160	
14 26 20				
14 25 20				
.601				
✓				

March 14 - 1923.

	B			IX
14 33 43	21.1			
	69.4	483		
	2022	506		
	2528	98.9	+168	
	194			
	720	526	+154	
	1972	578		
	2550	1104	+141	
	a		Mean = +	167 ~~146~~
	1077			
	1644	567		
	2938	426		
	3364	99.3	+167	
	1127		180	
	1564	437		
	2934	452		
	3386	889	+194	
14 36 30				
13				
14 35 06				
14 34 06				
.607				

March 14 – 1923

	a			X
14:43:15	1668			
	1614	546		
	2914	470		
	3384	1016	+162	
	1058		+166	
	1588	530		
	2946	454		
	3400	984	+170	
	B.		Mean = +160	
	1964			
	2524	560		
	183	534		
	717	1094	+143	
	1995		+153	
	2480	485		
	148	526		
14: 46 15	674	1011	+163	
9 30				
14 44 45				
14 43 45				
.614				

March 14-1923.

~~14~~	B			XI
14 54 20	1955			
	2572	617		
	178	358		
	736	1175	+125	
	2004		+126	
	2548	544		
	128	626		
	754	1170	+126	
	a		Mean = +146	
	2918			
	3387	469		
	1078	511		
	1589	980	+171	
	2908		+166	
	3400	492		
	1054	328		
14 57 15	1582	1020	+161	
11 35				

14 55 42
14 54 42

.622

Mar. 14/23

XII

	a		
15 06 00	2918		
	3418	500	
	1088	330	
	1618	1030	+158
	2917		+165
	3407	490	
	1684	484	
	1568	974	+172
	β		Mean = + ~~[illegible]~~ 145
	153		
	726	573	
	1958	578	
	2536	1151	+130
	130		+125
	725	595	
	1954	601	
15 09 30	2555	1196	+120

15 15 30

15 7 45

.631

✓

23496

Sat Mar 17/23

LCamb. 12'' Polar 32

12 00	o Ceti	021403	est	var 3 h NE.
12 22	R Tri	023133	est	11.1
	U Ari	030514	est	12.4
	X Cet	031401	est	9.6
	Y Per	032043	est	8.6
	Nov Per # 2 032443		est	13.3
	R Per	032335	est	10.2
	T Tau	041619	est	10.0
	R Tau	042209	est	< 13.2
	S Tau	042309	est	< 13.2
	W Tau	042215	est	10.5
	RX Tau	043208	est	12.4
	V Tau	044617	est	< 13.2
	R Ori	045307	est	13.4
	R Lep	045514	est	Trees cut off
13 20	V Ori	050003	est	13.4 if seen

Mar 17/'23

	R Aur	050953	est 9.6 Var very red
	S Aur	052034	est 8.7
	W Aur	052036	est 12.6
	S Ori	052404	est Plate cutoff
	RR Tau	053326	est 11.1
	U Aur	053531	est <13.4
	SU Tau	054319	est 9.6
	Z Tau	054615a	est <13.3
	RU Tau	054615c	est <13.3
	U Ori	054920a	est 11.4
	Z Aur	055353	est 10.2
14 14	SS Aur	060547	est <13.3

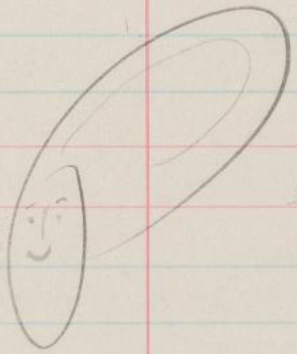
23496.6

Mar 17 / 1923

V CMi	070109	est <13.3	
U Pup	075612	est 13.5	if seen
X Aur	060450	est 10.6	
V Aur	061647	est 12.4	
V Mon	061702	est 8.8	
RL Lyn	063159	est 12.7	
R Mon	063308	est 11.7	
S Lyn	063558	est 13.0	
X Gem	064030	est 10.4	
W Mon	064707	est Tree cuts off	
Y Mon	065711	est 13.3	
R Lyn	065355	est 11.1	
R Gem	070122a	est 9.7	
R CMi	070310	est 8.3	
RR Mon	071201	est <13.3	

Mar 17/ 1923

V Gem	071713	est 9.4
S CMi	072708	est 10.2



Tuesday March 20 - 1923

12' Polar. G. M. F.

Lb-obs F T C rec.

	VRZ Eri,	043910	Too low in trees,	
	a. B.			Phot T.
+	~~β~~ Aurigae	044930		
12 19:50	B	~~comp~~ star	dis	
	2778		∓ 078	
	3484	706		
	974	733		∓ 074
	1707	1439	∓ 070	
	281.8			
	3484	666		
	1014	732		
	1746	1398		
	a -		Mean = ∓ 0.48	
	2. 8			
	866	838		
	1818	888		
	2706	1726	∓ 014	
	48		- ∓ 0.23	
	818	770		
	1818	859		
12:22:35	267.7	1629	∓ 032	

25

12 21 12

.515

March 20 1923

S 4 Aurigae 047930

12 23 25	2996	Comp	* dis	Plt T
	3333	337		
	1098	446		
	1544	783	+ 2,25	
	2938			
	3393	355	+ 2.21	
	1110	452		
	1562	807	+217	
	B		Mean =	~~+12~~ +2.12
	266			
	662	336		
	1968	320		
	2488	856	+203	
	222			
	668	446	202	
	2030	418		
12 27 00	2448	864	201	

12 25 12

.517

✓

March 20-1922.

	S X aurigae	050442		Plat T
~~+2~~i	Dad - B			
12:49:20	95 3	Comp * des		
	1668	715		
	2874	640		
	3514	1355	+087	
	1037			
	1898	661	+096	
	2866	606		
	3472	1267	+105	
	Dad a		Mean = +081	
	1884			
	2624	740		
	106	724		
	830	1464	+065	
	1872		+,066	
	2633	761		
	164	684		
1252'45	848	1443	+068	
15				
125108				
.535				

March 20 - 1923.

	V Lyncis	062061	Phot	T
	Sid A.	Comp * des		
13.01 27.	1112			
	1526	414		
	2950	414		
	3364	828	+211	
	1168		+233	
	1544	376		
	3003	310		
	3313	686	+255	
	Sid B.		mean = +222	
	2116			
	2433	317		
	152	480		
	632	797	+220	
	2038		+212	
	2476	438		
	236	417		
13:05	653	855	+204	
13 6 27				
13 3 14				
√ .544				
13 0 0	60 watch = 38 seconds fast by bell			

March 20 - 1923

Plate T

	Z Cancri Sid.	081615 Comp x des		
13.13 45	1964			
	2564	600		
	138	610		
	748	1210	+1.17	
	145			
	1916			
	2572	656	+110	
	147	615		
	762	1271	+104	
	Sid.		Mean =	122
	2858			
	3484	626		
	1046	578		
	1624	1204	+118	
	2917		+134	
	3434	517		
	1062	547		
13.17.14	1609	1064	+150	
	268			
13 30 59				
13 15 30				
.553				

March 20 - 1923

	R.Z. Cancri	083232	Phot T
	Ind.		
13:4300	113.2	Comp * dis	
	1514	382	
	2984	349	
	3333	731	+2.41
	1126		
	1488	362	+236
	2912	402	
	3314	764	+230
	Ind.		Mean = +243
	2106		
	2433	327	
	20.9	385	
	394	712	+247.
	2072		+250
	2444	372	
	286	322	
13 47 0	60.8	694	+253
11 90 0			
13 45 0			

.573 ✓

March 20 - 1923.

Phot. P.

	ξ Leo	094627	
	Ind B	Comp ✱ dis.	
13 56 25	1100		
	1704	604	
	2827	707	
	3534	1311	+096
	1038		
	1768	670	+094
	2833	660	
	3493	1330	+092
	Ind a		Mean = +070
	1913		
	2606	693	
	78	810	
	888	1503	057
	1920		
	2628	708	046
	34	904	
13 59 40	938	1612	036
13 116 5			
13 58 2			
.582			

March 20 - 1923.

	RT Hydrae	08 2425		Phot V.
	Ind. B	var dis		
14:09 03	04,4			
	864	820		
	1915	702		
	2617	1522	-053	
	88			
	855	767	-.051	
	1858	778		
	2636	1543	-049	
				860
	Ind A		Mean =	054
	952			806
	1748	796		
	2818	719		
	3337	1515	-055	
	946			
	1718	772	-056	
	2798	735		
14 12 05	3533	1507	-056	
14 21 8				
14 10 34				
.591				

✓

March 20 - 1923.

	U Hydrae Ind. B	103212	Var dis	Phot T.
142520	3016			
	3266	250		
	1180	298		
	1478	548	-307	
	2988		-302	
	3269	281		
	1204	294		
	1498	575	-296	
	Ind a		Mean = -3.32	
	336			
	572	236		
	2144	184		
	2328	420	-366	
	340		-361	
	354	214		
	2118	226		
14 28.40	2344	440	-356	

14540
1427
-602

March 26 - 1923

All cloudy —

Impossible to continue further

14 - - 35

Monday March 26-1923-

L.C. obs. 12' Polar. F.S.C. rec & M.V.

12-14.	S S Aurigae	060547	Est. 12.8
	X Per.	034930	Phot. V.
	Ind B.	Var	Dif.
12:46,06	~~1518~~		
	1206		
	1493	287	
	3062	190	
	3252	477	-3.38
	1267		
	1412	145	-342
	3006	316	
	3322	461	-345
	Ind a		
	2133		Mean = -3.31
	2413	280	
	344	218	
	334	490	-332
	2140		-320
	2367	227	
	297	319	
12:51,05	616	546	-307

12 9 7 11
12 4 8 35
3505'

.534

March 26 - 1923

	a B Au	044930 B	
12 52	Ind. B	var des	
~~14~~·58 ~~41~~	2788		
	3333	745	
	953	822	
	1775	1567	-044
	2778		
	3332	774	-042
	963	811	
	1774	1585	041
	Ind. a		
	2, 8		Mean -042
	81 8	790	
	1864	798	
	2662	1588	-040.
	33		-041
	844	811	
13	1887	771	
~~12~~ 03 10	2658	1582	-+042

12/22 2

13 1 1

.542

√

Mar 26 - 1923

	SU Aur	044930	a
13	Ind. a		Comp * dev.
TS 03 30	2886		
	3416	530	
	1172	316	
	1488	846	+206
	2934		
	3318	384	+214
	1146	408	
	1554	792	+222
	Ind B		
	198		Mean = +218
	684	486	
	2054	384	
	2438	870	+200
	274		+222
	622	348	
13 08 -	2058	368	
TS -	2426	716	245

13 11 50

13 5 55

.546

March 26 - 1923.

S X Aur. 050442 Comp ✱ [illegible]

Std B

13 22 30 2760

3474 714

994 672

1666 1386 +080

2828 +082

3470 642

768 720

1688 1362 +085

a. Mean = ~~+0.12~~ ~~+0.72~~

9.7 ← van der +0.72

88.0 793

194.2 706

264.8 1499 + ~~1~~058

+ ~~1~~061

97

757 660

1837 807

13:25 40 2644 1467 + ~~1~~064

13 48 10

13 24 5

:558

March 26 - 1923

	V Lyncis	062661	
13 38 65	B	Comp * dis	
	2040		
	2436	396	
	267	367	
	634	763	+231
	2046		
	2487	441	+218
	227	413	
	640	854	+204
	- a -		
	2956		Mean +224
	3326.	370	
	1164	395	
	1559	765	+230
	2958		+229
	3368	410	
	1177	360	
13 41 41	1037	770	+228
13 37 46			
13 39 53			
.569			

✓

Mar 26 - 1923

	Z Cancri	081615	Phot V.
13:49:00 →	Ind B	comp + des	
	14.2		
	704	562	
	1934	604	
	2538	1166	+12.7
	178		+31
	728	550	
	2014	578	
	2602	1128	+135
	Ind a		Mean = +137
	1128		
	1689	561	
	2927	511	
	3438	1072	+148
	~~3438~~		
	~~+1122~~		+143
	1122		
	1624	502	
	2814	613	
13 52 10	3427	111.5	~~129~~ +138
13 10 1 10			

13 50 35 Moon to bright Sky too hazy to continue to advantage.

.577

~~March 21 1923~~

Fri April 6 - 1923

P.C.Ob. 12" Polar L.Ap.Rec

12 18 α Orionis eye est. α Ori 1 α Tauri.
12 26 S.S. Aur. 060547 est 12.8
12 29 U. Gem. 074922 est 13.3

Ind. B α. B. Aur. 44930 B Phot T

12 :33 :55 286.8 60.4 Var. dis.
347.2 63.4
105.4 123.8 -1.11
168.8

-1.66

286.4 68.0
354.4 60.5
102.8 128.5 -1.01
163.3

Ind. A ~~Mean = -0.45~~

5.5 76.6
82.1 103.2
173.6 179.8 -00.0
276.8

+0.16

4.4 84.8
89.2 111.6
162.2 196.4 +0.31
12 :37 :26 273.8
12 525

Apr. 6, 1923

1

	Ind. A	044930	A. S. U. Aur.
12-38-00	295.2	42.5	
	337.7	32.9	
	117.8	75.4	+2.33
	150.7		
			+2.26
	298.9	43.5	
	342.4	36.4	
	115.2	79.9	+2.20
	151.6		
	Ind B.		Mean +1.96
	13.6	59.7	
	73.3	42.8	
	202.0	102.5	+1.60
	244.8		
			+1.67
	21.7	47.7	
	69.4	48.8	
	200.8	96.5	+1.74
12:41:45	249.6		

12 7 9 45
13 39 52
3516,569

Apr. 6, 1923.

	Ind B.	AB Aur 044930b		T
12:48:30	283.8	Var. dis		
	350.2	66.4		
	98.2	75.6		
	173.8	142.0	− 0.73	
				−0.82
	278.8	71.0		
	349.8	61.9		
	103.9	132.9	−0.92	
	165.8			
	Ind. A		Mean	−0.44
	6.3	80.3		
	86.6	96.7		
	176.6	177.0	−0.06	
	273.3			
				−0.06
	0.2	89.6		
	89.8	87.6		
	181.2	177.2	−0.05	
12:52:15	268.8			

12 10 45
12 50 28
535

April 6, 1923.

Ind. B.

SX Aur 050442 ~~est~~ phot T

13 : 11 :45	96.6	Comp	St. dis	
	170.8	74.2		
	283.3	60.9		
	344.2	135.1	+ 0.87	
				1.06
	107.8	57.0		
	164.8	61.4		
	282.2	118.4	+ 1.25	
	343.6			

Ind. A. Mean + 0.72

	176.6	93.2		
	269.8	76.2		
	8.2	169.4	+ 0.20	
	84.4			
			+ 0.38	
	185.4	83.8		
	269.2	67.2		
	10.2	151.0	− 0.56	
13 12 40	77.4			

13 24 25
13 12 12
.530

✓

april 6, 1923

I

Ind B. V. Lyn 062661 Plot T

13: 39: 45 292.4 (Too far West.) h m

342.8 Vesta No. 4, Comp * = * at 10 40

117.8 + 19.6, (1853) Brighter of. Vesta dis.

159.0 50.4 Phot T

41.2

91.6 − 1.87

294.6 47.0 − 1.94

341.6 40.0

112.2 87.0 − 2.00

152.2

Ind. A Mean − 1.~~50~~ 66

20.6 50.6

71.2 59.1 − 1.42

186.6 109.7 ~~−0.78~~

255.7

− 1.89

21.9 51.7

73.6 60.8

197.0 112.5 − 1.36

13: 43: 34 257.8

13 41 40

.571

April, 6, 1923

	Ind. A			
13:45:30	197.2	56.0		
	253.2	62.4		II
	15.0	118.4	-1.23	
	77.4			
			-1.12	
	194.2	64.4		
	258.6	64.7		
	14.2	129.1	-1.00	
	78.9			
	Ind B		Mean 1,63	
	294.4	37.4		
	331.8	41.0		
	117.6	78.4	2,24	
	158.6			
			2,14	
	295.8	42.0		
	337.8	42.9		
	114.9	84.9	2.05	
13:49:3	157.8			

13 94 33

13 47 16

.574

V

April 6, 1923.

	Ind B.			
13: 56:30	297.4	37.3		III
	334.7	42.2		
	117.2	79.5	-2.21	
	159.4			
			-2.12	
	290.0	48.2		
	338.2	37.2		
	116.0	85.4	-2.04	
	153.2			
	Ind A.		Mean -1.60	
	17.8	57.0		
	74.8	64.0		
	195.8	121.0	1.17	
	259.8			
			-1.08	
	14.7	68.3		
	83.0	61.4		
	199.4	129.7	-0.99	
13: 59:55	260.8			
13 11.6 25				
13 5 8 12				
.582				
14:00				

Watch 33 seconds fast by bell

April, 6, 1923.

	Ind A.		Phot. T.
14:11:55	8.6	63.6	
	72.2	55.9	IV
	198.1	119.5 −1.20	
	254.0		
			−1.34
	18.2	53.2	
	71.4	54.2	
	202.6	107.4 − 1.48	
	256.8		
	Ind B.		Mean −1.64
	116.2	46.4	
	162.6	37.4	
	297.7	83.8 − 2.08	
	335.1		
			− 1.95
	112.0	45.6	
	157.6	47.8	
	292.6	93.4 − 1.82	
14:15:20	340.4		
14 27 15			
14 13 37			
.593			

✓

April 6, 1923.

	Ind. B			
14 27 25	113.2	42.0		V
	155.2	43.0		
	293.6	85.0	−2.05	
	336.6			
			−2.11	
	116.2	38.6		
	154.8	42.4		
	293.6	81.0	2.17	
	336.0			
	Ind. A		Mean. −1.68	
	193.9	67.7		
	261.6	52.9		
	20.7	120.6	−1.18	
	73.6			
			−1.26	
	197.6	51.1		
	248.7	62.6		
	18.2	113.7	−1.33	
14:31:7	80.8			
14 58 32				
14 29 16				
.603				

April 6, 1923.

	Ind A.			
14 : 38 : 30	198.0	~~55.9~~		VI
	253.9	55.9		
	20.4	56.4		
	76.8	112,3	−1,36	
			−1,28	
	199.6	50.0		
	249.6	69.4		
	12,4	119.4	−1,21	
	81.8			
	Ind. B		mean −1.65	
	291.2	50.2		
	341.4	36.0		
	114.6	86,2	−2,02.	
	150.6			
			2,02	
	29.38	44.6		
	338.4	41.7		
	117,2	86,3	2,01	
14 : 42 : 10	158.9			

14 40 ~~40~~ 20

611

April 6, 1923.

	Ind B.			
14 48 50	289.2	50.0		VIIF
	339.2	40.0		
	113.0	90.0	−1.91	
	153.0			
			−1.92	
	296.0	42.8		
	338.8	46.2		
	113.6	89.0	−1.94	
	159.8			
	Ind A.		Mean −1.48	
	13.8	60.0		
	73.8	64.8		
	192.0	124.8	−1.09	
	256.8			
			−1.04	
	16.4	59.1		
	75.5	71.0		
	188.8	130.1	0.98	
14-52-30±	259.8			
14 50 40				
.669				

Apr. 6 1923

	Ind. A			
14 53 6	14.8	67.4		~~VIII~~
	82.2	53.4		
	200.6	120.8	−1.18	
	254.0			
			−1.21	
	20.2	58.2		
	78.4	59.8		
	197.6	118.0	1.24	
	257.4			
	Ind B.		Mean −1.44	
	107.8	56.4		
	164.2	49.1		
	291.3	105.5	−1.52	
	340.4			
			−1.68	
	110.9	50.7		
	161.6	42.4		
	296.4	93.1	−1.83	
14:56:12	338.8			

14109 12

14 54 36

.622 ✓

Tuesday April 10 - 1923

12" Polar.

G.M.T.

L.C. obs

F.T.C. rec.

-12 - 52.	S.S. Aur.	06 05 47	Est. 10.8
12 54	U. Gem -	07 49 22	Est. 12.5

13 10 Obs. difficult, haze & cld

Sat - April - 14 1923

12' P. lac

L.C.				G.M.T. Phot T. L.T.C
12: 48	S Laur.	06 1547	Est. 10 7	
	Vesta	No 4.	Phot T.	
	~~Ind~~ B	Compared with bright ✶		
		@ 10h 38m + 19.7		
~~2.~~				
13 03 35	1084	Comp ✶ dus		
	1598	514		
	2852	606		
	3458	1120	+1.37	
			5	
	1087		+1.20	
	1622	535		
	2923	481		
	3404	1016	+1.62	
			1.09	
	a.		Mean +0.94	
	1904			
	2644	740		
	123	720	+0.65	
	843	1460		
	1918			
	2670	752	+0.68	
	97	687		
13 06 50	784	1439	0.70	
25				
13 5 12				
.545				

13.0.0 Lis watch watch 10 sec fast by bell

April 14 - 1923

II

Ind a

13 08 30 1897
2633 736
6.8 800
868 153.6 +050

1900 +054
2647 747
7.0 752
822 1499 +058

γB. 1.15
2902 Mean ~~+0.98~~
3442 540
1182 ~~6~~376 1.87
~~1858~~ ~~1216~~ ~~+1.87~~
1558 ~~1.16~~ +1.76
91.6 ~~1.06~~
~~142~~

2904
3374 47~~0~~3
1102 ~~6~~536 1.6x
13 12 00 1~~0~~638 1~~0~~0.~~6~~ ~~696~~
13 10 15

.549

April 14 - 1923

	B.			IV
13 2840	2914			
	3444	530		
	1122	482		
	1604	1012	+163	
	2913		+164	
	3414	501		
	1100	504		
	1604	1005	+164	
	a.		Mean = ~~+1.57~~ +1.24	
	7.4			
	832	758		
	1932	742		
	2674	1500	+058	
	9.7		+084	
	784	687		
	2020	552		
13 31 40	2572	1239	1.11	
59 50				
13 29 55				

.562

✓

April 14 - 1923.

	a			IV
13:34:00	9.6			
	77.8	682		
	1947	663		
	2610	1345	+089	
			+094	
	8.4			
	82 2	738		
	2008	360		
	2368	1298	+098	
			Mean = +1.24	
	B			
	1136			
	1582	446		
	2866	35.4		
	3420	1000	+166	
			+154	
	1050			
	1698	648		
	2923	467		
13 37 38	3390	1115	+138	
13 35 45				
.567				

April 14 - 1923

	73.			V
13,47 15	1140			
	1612	472		
	2833	640		
	3473	1112	+139	
	a			
			+144	
	1942			
	2584	642	Mean --	+1.31
	118	615		
	733	1257	+1.07	
	a		1.18	
	1996		+	
	2553	557		
	168	604		
	772	1161	+1.28	
	β			
	2884			
	3448	564		
	1090	502		
13 51 00	1592	106.6	+1.50	
13 49 08				
.526				
14 00	C's Watch =	9s fast by bell.		

✓

April 14/1923

	β			VI
14:01:00	2908			
	3394	486		
	1038	624		
	1662	1110	+1,39	
	2838			
	3487	649	+136	
	1118	492		
	1610	1141	+132	
	a		Mean =	+ 122
	186			
	748	562		
	1958	672		
	2630	1234	+112	
	114			
	846	732	106	
	2008	536		
14 04 10	2564	1288	1.00	
5 10				
14 02 35				

585

April 14 1923

	a			VII
14: 10 30	13:0			
	748	618		
	1989	595		
	2584	1213	+116	
	159			
	772	613	110	
	1967	651		
	2618	1264	+105	
	B		Mean = 114	
	1074			
	1397	523		
	2868	576		
	3444	1099	+142	
	988		+118	
	1674	686		
	2818	630		
14: 14-00	3448	1316	+095	
14 12 15				

.592

- ✓

April -14- 1923 -

VIII

	B.		
14:19 20	1054		
	1667	613	
	2912	470	
	3382	1083	+146
	1128		
	1548	420	+144
	2838	674	
	3512	1094	+143
	a		Mean +1.28
	108		
	755	647	
	1983	523	
	2506	1170	+126
	176		+111
	784	608	
	1922	700	
14:23:10	2622	1308	+096
14 21 15			

-5 98

April 14 – 1923

	a			IX
14:25 30	.12.2			
	774	652		
	196.4	608		
	2572	1260	+1.06	
	184			
	777	593	+106	
	1930	668		
	2598	1261	+106	
	B.		Mean = +121	
	1627			
	1682	655		
	2918	459		
	3377	1114	+139.	
	1102			
	1628	326	134	
	2824	634		
14 28 31	3458	1160	+1.28	

14 27 $\overset{1}{0}$0

.602

✓

April 14 – 28

	73.			
14 40.05	1056			X
	1622 .	566		
	2880	508		
	3388	107.4	+148	
	1108			
	1598	490	+146	
	2898	604		
	3502	1094	+143	
	a		+1.36	
	112			
	770	658		
	1914	613		
	2527	1271	104	
			1.27	
	198			
	730	532		
	2016	532		
14 43 10	2548	1064	150	
3 1.5				
14 41 38				

April 14 – 23

	a			XII
14:53 30	1966			
	2548	582		
	11.4	678		
	792	1260	+10.6	
	1912		+106	
	2600	688		
	180	575		
	735	1263	+106	
	β		Mean = +1.24	
	2938			
	3417	479		
	1050	632		
	1702	1131	+135	
	2837		142	
	3420	583		
	1168	480		
14:56 40	1588	1063	+150	

14 55 05 10

.622 ✓

April 14–1923

	B			XII
15 08 45	2878	440		
	3318	~~340~~		
	1639	641		
	1680	1081	+146	
	2844		+136	
	3470	626		
	1090	543		
	1633	1169	+126	
	a		Mean = +1.28	
	190			
	724	534		
	1904	588		
	2592	1122	+137	
	8.8			
	808	720	+120	
	1989	555		
15 11.50	2544	1275	+103	
35				
15 10 18				
.632				

Friday April 20 - 1923

12' Polar 9 m T.

L. C. obs S. S. C. rec

16 - 16 - R. Coronae 154428 Est. 7.0

Examination of Arcturus with
Wellesley spectroscope

Saturday April 21-1923

12' Polar G M T.

Phot T.

L C obs. S.F.B. rec.

	R Coronae	154428	~~Est~~	
	7.2 = comparison ✱			var dis.
~	Sid.			
14-17.	275.7			
	3582	825		
	1008	690		
	1698	1515	-053	
	2780		-059	
	3524	744		
	952	730		
	1682	1474	-063	
			Mean = $\overset{720}{054}$	
			66.6	
	1020			
	1792	772		
	2802	764		
	3566	1536	-050	
	988			
	1724	736	-050	
	2738	800		
14-21 14 19	3538	1536	-050	

April 21 - 1923.

Tried out Wellsley spectroscope on Arcturus. Spectral colors well seen - but no cross-lines.

Also tried „out spectroscope found in "horizontal" house; bands wider colors well seen. but no lines.

Thursday April 26 - 1923

1b

L. C. obs S. I. C. rec.

R Coronae 154428. ~~Est.~~ Phot. T.

	2nd B.		est = 7.5
14:16.24	3526		Comp. * dis.
	4620	1094	Comp. f.
	1702	1106	
	2808	2200	
		1450	− 0.77
	3572		− 0.60
	4604	1032	
	1734	1020	
	2754	2022	
		1578	− 0.42
	a - Var *		Mean = +0.19
	1626		7.20
	2808	1182	Magn. 7.39
	3488	1146	
	4634	2328	+ 1.04
		1272	
	1710		+ 0.96
	2830	1120	
	3480	1126	
14 21 25	4606	2246	
		1354	+ 0.87
14 37 49			

14 18 54 Ob. difficult as separation of *

5 97 causes one image to be split.

April 26 - 1923.

Alpha Leonis
Wellesley Spectroscope
Colors well seen but no lines -

Also spectrum of adjacent star fairly well seen

Fri. May 4, 1923

12" Polar L.C.Obs.
F.T.C. Rec

11h20 R CrB 154428 est 9.2
(copied from card)

Sunday May 6. 1923

12' Polar.

LC obs				G.M.T.
13-105	U Gem	074922	Est 13.0	LJC uc
13-10	R Coor Bor.	154428	Est. 9.4	

5' 47

Monday May 7 - 1923

12 Pr Gar — Gint.

Phot T.

LC obs. — F T Circ

13.13.	R Coronae	154428	Est. 10.1	~~10.4~~
13.15.	U Gem.	074923	Est. 13.3	
	Z Cancri Ind B	081615	Phot T.	
13 33 01.	9.8	Comp * dis.		

744 646
1908 680
2588 132.6 +092

134
828 694 m +095
1907 607
2514 1301 +098
Q -
112.8 Mean = +1.48
1594 466
2948 412
3360 87.8 +1.97

112.2 +200
1530 408
2936 447
13 3625 3383 855 +204

13 69 26
13 34 43
-566

May -7- 1923

	R Z Cancri 083232			Phot V.
45	Sed. B			
13 ~~45~~:45	120.0	Comp * dis.		
	1592	392		
	3036	233		
	3269	625	+2.77	
	1264			
	1500	236	+3.01	
	3026	268		
	3294	504	+3.25	
	a			
	2072		Mean +254	
	2498	426		
	255	381		
	636	807	+217	
	2082			
	2468	386	+208	
	204	485		
13 49:15	689	871	+199	
1395 0				
13 47 30				
575				

May 7 – 1923.

	ζ Leonis 094627–			Phot T.
	Ind. 73			
~~13~~ 14: 05 50	286.4	Comp ✱ dis–		
	3436	572		
	1089	509		
	1598	1081	+146	
	2930		+157	
	3398	468		
	1066	523		
	1589	99.1	+168	
	a			
	1894		Mean = 0.96	
	2630	736		
	38	866		
	924	1602	+0.38	
			+0.34	
	1886			
	2664	778		
	44	858		
14: 9:20	902	1636	+0.31	

14 15 10

14 7 35

.589

Thursday May 10 - 1923

L.C. obs. 12' Polar. G.M.T. H. Gree

~~H. [illegible]~~ R Cor Bor 154428 Est. 11.2 } Phot T.

13-14

13..16 U. Gem. 074922 Est. 13.3

18 - 39 } Vesta looked for but not - found.

S X Herc. 160325: Phot T.

13;46:12 Sidd. B Var dis compd with 90

68

816 748

1858 882

2740 1630 -032

2.8 -036

924 896

1900 691

259.1 158.7 -041

Sid a

900

1033 Mean = -042

858

1716 683

2762 852

3614 1535 -051

933 -046

1840 907

.525 2882 684 -040

3566 191 1591

13 49 40

13 4[illegible] 54 [Est a RW Herc 160625 - 9.2]

~~Thursday~~ May 10 1923

Phot V.

	UV Drac	144156	
	Ind-B	Comp	* dis.
14:01 59	196 6		
	264 0	674	
	354 8	1064	
	461 2	1738	+012
	180 9		
	2780	971	+010
	74	785	
	859	1756	+008
	a		Mean = +040
	2788		
	3494	706	~~+040~~
	1030	742	
	1772	1448	+068
	2776		
	3317	741	+071
	1077	678	
14:05 10	1755	1419	+074
14 7 9			
14 3 10			
- 585			

Comp * = * @ 1438 + 57.2° (1855) ✓

(Sun) May-13-1923.

~~Rc~~Obs 12" Polar

R CrB 154428

13 00 [11.0

sky very cld.

13 40 No stars seen in the region of R CrB fainter than 9th magn.

Yerkes writes not star in position telegraphed for Nova [illegible] 1923

Monday May 14 1923

15 Plac

L.C. obs L.T.C. rec

14:30.	R Cornae	154428	Est 12.2

Est. made thru considerable haze + cloud

14:40 Re estimate 12.4

Both Estimates very difficult on account of haze + cloud

Thur May 17/23

12" Blar

L. C. Ob.

14 35 R CrB 154 + 28 est 12.1

Saturday May 19 - 1923

12" Polar,

LC obs	Phot T.			F.S.C rec.
13-38	R Cor Bor	154428	Est. 11.8	
10 41	U Gem	074922	Est. 13.7	
	S X Herc.	160325		
	Sed. B	Var dis		
13 48 40	1844			
	2768	924		
	3522	1036		
	4558	1960		
		1640	+ 0.30	
	1762			
	2790	1028	+ 0.35	
	3572	983		
	4555	2011		
		1589	+ 0.46	
	a			
	3572 < comp * dis			
	4555	983	Mean =	9.0 - 0.02 8.98
	1804	920		
	2724	1903		
		1697	- 0.28	
	3460			
	4533	1073		
	1770	1024	- 0.38	
13 52 05	2794			
		2097		
13 50 22		1503	- 0.57	
13:45.52	RU Herc	160625	Est 9.0	✓

May - 19 - 1923.

Phot V.

UV Drac 144156

14:02 47 Sid. B Comp* dis

2.0

924 904

1798 980

2778 1884

1716 — 016

01

1061 1060 —012

1860 790

2650 1850

1750 — 009

a

1040

1760 720 Mean = + 021

2747 860

3602 1580 + 042

1003

1814 811 + 054

2824 642

14 06 25 3466 1453 + 067

14 4 36 Same comp * used as on the 10th

587

14 go Cilbatd= see by Bell

May - 19 - 1923.

14-16	T. Virg	120509	Est <13 3
	R Crv	121418	Est. 10.1
	SU Vir	120012	Est 11.0
	SS Vir	122001	Est 8.8
	T CnV	122532	Est 10.2
	Y Vir	122803	Est 10.0
14-40	R Vir	123307	Est 9.9
			Est
23559			Est.
			Est
			Est
			Est
			Est
			Est
			Est.

Wednesday May 23 - 1923.

12' Polar.

L. C. obs. T. T. C. rec.

13 19:40. R Coronae - Est. 10.8
Var. conspicuously brighter

S.M.T.	Reap. of Jup. I comp'd with satellite on opposite side = Sat. IIII
~~15:~~	
15: 23 15	seen
24.07	2692
45	196.4
58	2636
25.11	2028
22	2692
33	1964
57	2754
26.09	1830
22	2830
32	1840
43	2783
53	1884
27 08	2804
18	1870
31	2850
42	1828
53	2818
28 03	1830
11	2798
21	1840

May 23/23

15 28.31	2789
41	1728
04	2837
29.04	1844
13	2780
27	1804
38	2830
15 29 48	1870

LV.

15 40 23	1272
40 25	1610
40 54	1230
41 04	1640

Reap from occultation of Jup III

S.M.T.

15.

Sat. III dis. between settings.

May 23 - 1923

Dis~~app~~ of Jup. 3 - comp'd with Satellite ~~III~~ IV on ~~same~~ ~~opposite~~ side

~~15.~~

15:43 43	99 7
44 02	190 2
14	98 2
26	191 8
40	98.8
56	189 0
45. 10	91.8
23	194 0
35	94 0
46	193 0
46 ~~45~~: 02	91 0
" 11	191.2
24	93.3
36	197 0
48	93 3
47 ~~46~~. 01	192 2
13	97.7
24	190 8
38	92 0
48	196 0
48 ~~47~~ 06	98 1
09	192 8
33	94 4
51	185 5
49 ~~48~~ 00	102 2
10	190 1

May 23/23

15 ~~48~~ 49 16	1100
28	1930
39	1001
50	1858
50 ~~49~~.03	962
13	1911
23	969
34	1920
46	98.7
55	1890
51 ~~50~~ 14	989
22	1922
34	101.1
43	1960
56	1008
52 ~~51~~ 10	1892
20	1014
25	1921
32	1018
44	1900
56	1010
53 ~~52~~ 06	1911
14	990
24	190.1
38	1011
48	1890
54 ~~53~~ 02	962
11	1990

May 23/23

15 ~~53~~ 54	25	974
	36	196.0
	46	1020
	56	1912
~~54~~ 55	03	910
	14	1960
	29	933
	34	1979
	43	954
36	54	1934
~~35~~	05	970
	15	1954
	28	980
	38	1898
	48	908
37	57	1894
~~36~~	06	955
	15	1962
	24	944
	35	1890
	44	910
58	53	1922
~~57~~	06	998
	17	1950
	26	955
	34	1936
	43	94.4
	53	2000

May 23/23

15 ~~58~~ 59 .04	918
14	1970
23	96.9
33	1922
41	898
51	1980
16 00 ~~59~~ 01	898
13	1955
24	944
~~30~~	
45	92.2
56	1900
16 ~~00~~ 01 09	914
20	2030
35	890
46	1960
56	Phot removed low power eye piece put on.

May 23

Phot replaced

~~16 06 16~~	
16 06.23	265.8
47	18.8
56	2670
07.07	21.2
24	2694
36	24.0
45	2691
56	241
08 08	268.2
18	28.0
29	2640
39	26.0
~~46~~	
09 10	2640
20	24.8

Sat. assumed to be Sat III has not disappeared @ 16:10.16

Possibly Sat which was assumed to be Sat III was Sat II if so Sat III did not reappear from occultation before going into eclipse

Fri. May 25-1923

at Southold L.I. L.C. Obs

Elmer's 5" Polar glass

R CrB 154428 ✓

1400 est 11.0

1923phae.proj..65S6

Tues May 29 - 1923

H C Obs

12" Polar

14 35 R CrB 154428 est 11.8 ✓

Very diff to see on acct of haze & Full Moon.

Tue. June 5, 1923

12" Polar

13 45 R CrB 154x28 est 10.8 ✓

Sunday June 10 - 1923

12' Polar

L.C. obs.				S.J.C. rec.
14-25	R Cor Bor	154428	Est. 9.7	

Sunday

New Batteries needed

Sat. June 16 - 1923

L.C. Obs

12" Polar

14 30 R CrB 1544 rf ext f.9

Wednesday June 20, 1923.

L.C. Obs. 12" Polar L.C.Jr Rec.

14:13:45 R CrB. 154428 Est. 7.9

6" Post Glass

4 3 E + 8.3 = Altair

19 46

15 43

20 07 +15.3

15 45

4 22 E

S Aquil or 200715a est. 10.0

* m appears to be the fainter of that two in question and further and is north of the old original * m as marked on sample chart.

Saturday June 20-1923

Lb. b.	12" Polar.			J T C rec
13-33.	R Cor Bor	154428	Est. 7.3. ✓	
	8 χ Her.	160325	Phot_J.	
	Ind-B.	Var dis		
13.4610	4.4			
Pol	833	789		
	1852	886		
	2738	1675	− 024	
	3568	97.6		
	944		000	
	1788	952		
	2740	1928		
		1672	+ 024	
	Ind A.			
	96.0		Mean = −	900 048 852
	1798	838		
	2898	512		
	3410	1350	− 088	
	1069			
	1674	605	−097	
	2816	658		
13 50 05	3474	1263	− 106	
13 96 15				
13 48 8				
.575				
13 37-15.	RU Her.	160625	Est. 10.0	

July 30 - 1923.

	UV Drac 144156 Ind B	Comp * dis		
14:4 45	2792			
	3510	718		
	908	936		
	1844	1654	+	028
	2964			+053
	3600	636		
	996	759		
	1755	1395	+	078
	a		Mean =	+006
	922 < var dis			
	1833	911		
	2804	704		
	3508	1615	—	035
	1030			−040
	1733	703		
	2744	866		
14 08 35	3610	1569	—	044
14 6 40				

.588

~~Phot~~

PHOT. OBSERVATIONS LEDGERED UP TO HERE

June 30 1923.

RT Drac. 171157
Ind

~~14~~
14

Plot out of ~~o~~ order
Repair Same

Photom

~~June 30 - 1923~~

Thur July 12-1923

~~R. Cor. Bor. 154428~~

13:36:45 R. Cor. Bor. 154428 Est. 7.0

Friday July 13 - 1923

Lb ls ~~R~~ V F T Gec.

	R V Drac	144136	Phot T.	
~~13~~ 49	Dud B			
13: ~~12~~ 50	94.4	Comp * dis		
	180 6	862		
	2758	831		
	3589	1693	+ 020	
	~~92~~ 91.8			
	1861		+010	
	2748	843		
	3604	956		
		1799	+ 000	
	Dud a			
	1674			
	2774	110.0	Mean +	0.23
	3558	98.6		
	944	2086		
		151.4	— 055	
	1712			
	2824	111.2	−036	
	3584	979		
13 54.45	963	2091		
		1509	— 056	

July 13-1923

	8 χ Herc	160325	Phot T	
	Sid B			
~~13~~ 14:00:35	190 0	var dis		
	2592	692		
	124	686		
	810	1378	-082	
	1862			
	2676	814	-076	
	11.4	620		
	73.4	1434	-071	
	Sid A.			900
	2896		Mean = -	128
	3378	482		772
	1152	462		
	1614	944	-180	
	2936		-180	
	2418	482		
	1118	459		
14 :04 35'	1577	94.1	-181	

July 13 - 1923 -

	T. T Prae	171157	Phot T
	Ind B		
14:15 20	303 3	var dis.	
	3263	230	
	1236	242	
	1478	472	-3,40
	2984		
	3276	292	-318
	1209	285	
	1494	577	-295
	a		Mean = -250
	208		
	668	460	
	2034	455	
	2489	915	-1,87
	244		
	708	464	-182
	200,8	496	
14:19.10	250.4	960	-176

July 13 - 1923

14. 26	SS Cygni	213843	Est. 11.9	√

Tuesday July 17 - 1923

Lb Sb.				St G rec.
13 45 -	R Cor Bor	154428	Est. 6.5	Phot T
		6		
	S X Herc.	1~~0~~0325		
13 - 55 45	144	var dis		
	806	662		
	1858	840		
	2698	1502	- 057	
	3.8		- 052	
	912	874		
	1950	674		
	2624	1548	- 048	
			~~8.50~~	
	1174		Mean - ~~1.76~~	-1.26
	1544	370	~~7.24~~	
	2958	419		
	3377	789	- 223	
	1138			
	1628	490	- 201	
	2910	458		
13 57.20	3358	948	- 179	
		9.		
14 ; 26	SS Cygni 213843		Est. 11.7	

Sky murky Stars difficult to see

~~July 17~~

Thursday July 26 - 1923

L b - lo.

R Cor Bor 154428 ~~Est~~ Phot T. est 6.4 G. T. rec

1 Ind B var dis

13 12 8:40 1750

2804 1054

3.3 847

880 ~~2601~~

190.1

169.9 + 019

1810

2708 898

3468 1134 + 032

1002 2032

156.8 + 044

Ind a — 0.36

2808 Mean ~~+ 013~~

3498 690 7.20

1044 656 6.84

1700 134.6 — 088

— 1.06

2888

3448 560

1094 620

13 32 - 10 1714 118.0 — 124

July 26 - 1923

	S X Herc.	160325	Phot T.	
	Ind B.			
18; 47 05	1816	var	dis.	
	2694	878		
	3.8	893		
	931	177.1	-005	
	1856			
	2677	821	-014	
	1.6	864		
	880	1683		
			-022	
				900
	a		Mean =	-084
	2930			816
	3470	540		
	1103	545		
	1648	1085	-145	
	2888		-155	
	3398	510		
	1116	494		
13: 57 00	1610	1004	-165	

Troubled by clouds in this group.

July 26 - 1923.

14.06:10
~~13 31 10~~ S Cygni 213843 Est. 11.7 √

Focus of $2\frac{2}{4}$ inch glass 34 inches
with 2 in. eye piece 35 inches

New tube should be 30" long.

Too many clouds to continue
14 26 to advantage

Wed Aug 1st 1923

12 Polar

L.C.Clb

15 06 SS Cyg 213843 est 8.2 ✓

At Max

Thursday Aug 2 1923

L.C. obs				F.T.C. rec.
13 - 43	R Cor Bor.	154428	Est. 6.1	✓
13 46	SS Cygni	213843	Est. 8.2	

15:00 Too many clouds to continue to advantage

Monday Aug. 13 - 1923
12" Polar.

L.C. obs. F.T.C. rec.

~~14~~ 13 -14.	R Cor Bor.	15 44 28.	Est. 6 - 1
	S X Herc	16 03 25	Phot V.
	Dord B	var dis	
13. 22 50	3.6		
	898	832	
	1794	974	
	2768	1806	+ 001
		1794	
	1.2		
	1012	1000.0	+007
	1833	869	
	2702	1869	
		1731	+ 013
	Dord A.		900 Mean = - 056 844
	1120		
	1708	588	
	2898	632	
	3530	1220	- 115
	1086		-120
	1633	547	
	2816	628	
13 25 50	2494	1175	- 125

Aug 13 - 1923

	V.V. Drac.	171157	Phot V.
1 36	Sed. B.	var dis–	
13: ~~26~~ 10	1288		
	1427	1.39	
	3084	168	
	3252	30.7	~~5.27~~
			– 4 35
	1240		
	1464	224	– 4 05
	3072	180	
	3252	404	– 375
	Sed. A.		Mean = – 314.
	2033		
	2480	447	
	266	403	
	669	850	205.
	2102		223
	2440	338	
	264	391	
13 40 35	655	729	241
14 - 20	✓ SS Cygni	218843	Est. 11.1

Aug. 15 - 1928
12" Polar.

L C obs ✓ F T C rec.

14:20	S Cygni	213843	Est 11 -1
			Phot V.
	U V. Drac.	144156	
	Ind		

Friday August 17 – 1923

12' Polar

L. C. obs. F. T. C. rec.

13-51-	SS Cygni	213843	Est 11-5	
	SW Lacertae 224937		Phot. T.	I
	Ind-B.			
~~13~~ 14: 40 00	3455 ☆	Comp ☆ dis		
	4662	1207		
	1700	1146		
	2846	2353		
		1247	– .109	
	3484			
	4622	1138	– 108	
	1656	1210		
	2866	2348		
		1252	– 108	
	-A.			
	89.2		Mean = – .074	
	1866	974		
	2674	1010		
	3684			
		1984		
		1616	– 035	
	933			
	1874	941	– 040	
	2628	1102		
14 44:10	3730	2043		
		1557	– 046	

Readjusted pencils at end of 1st group-

Repeat above group.

Aug. 17 – 1923

	Sud a	Comp *		I ~~II~~
14 49 00	3578	~~Var~~ dis		~~*~~
	4558	980		
	1712	1088		
	2800	2068		
		1532	~~*~~ − 0.5~~8~~ 1	
	3572		~~*~~ − 0.52	
	4650	1078		
	1784	994		
	2778	2072		
		152.8	~~+~~ − 0.52	
	a	Var dis.		
	922		Mean = ~~+ 0.15~~ − 0.35	
	1864	942		
	2718	898		
	3616	1840		
		176.0	+ 0.08	
	904		− 0.18	
	1830	926		
	2842	647		
14 54:00	348.9	1573	− 0.43	

Aug-17-23

	Sid 23			II
14: 5750	980			
	1736	856	Var dis	
	2775	731		
	3506	1587	-041	
	1012		-065	
	1700	688		
	2844	654		
	3498	1342	-89	
	a		Mean = -046	
	1880			
	2698	818		
	6.4	900		
	964	1718	-016	
	1922		028	
	2692	770		
	5.8	827		
15-0150	885	1597	-039	

Aug 17 - 23

	Ind		
	a-		
15 06 - 20	1826		
	2748	922	
	3.6	832	
	868	1754	-009
	1847		
	2664	817	-020
	56	824	
	880	1641	-030
	B		
	2838		Mean = -053
	3512	674	
	1047	727	
	1774	1401	-077
			-086
	2848		
	3484	636	
	1054	672	
15 09 50	1726	1308	-096

Aug-17-/23

III

	B.		
15 14 50	2804		
	3544	740	
	1049	653	
	1702	1393	-079
	~~a~~		
	2838		
	3518	680	-080
	1018	709	
	1727	1389	-080
	a		Mean = -060
	1876		
	2678	802	
	3.0	852	
	882	1654	-028
	1962		
	2674	772	-041
	9.2	744	
15 18 20	836	1516	-054

aug 17

IV

	a			
15 23 30	1866.8	8		
	2968	~~11~~00		
	6.8	801		
	869	1601	− 0.38	
			−0.47	
	1912			
	2648	.736		
	7.4	772		
	846	1508	−056	
	γB.			Mean = −0.64
	2802			
	3467	665		
	1014	706		
	1720	1371	−083	
			−0.80	
	2826			
	3556	730		
	1019	673	−077	
15 26.50	1692	1403		

Aug. 17

	B.		
15 31:45	2786		
	3494	708	
	1026	690	
	1716	1398	-078
	2822		086
	3502	680	
	1042	644	
	1686	1324	-093
	-a-		Mean = - 061
	1.1		
	797	786	
	1875	791	
	2666	1577	043
	08		036
	872	864	
	1898	776	
15 35:30	2674	1640	030

Aug. 17 /23–

VI

	a		
15 40 05	4.8		
	862	814	
	1876	788	
	2664	1602	−038
	26		−030
	868	842	
	1840	842	
	2682	1684	−022
			Mean = − 0.40
	B.	comp ★ dis	
	1699		
	2766	1067	
	3574	1000	
	4574	2067	
		153.3	− 0.51
	1719		
	2770	1051	− 0.50
	000	998	
15 44 15	998	2049	
		155.1	− 0.48

Monday Aug 20 - 1923

12" Polar.

[illegible]				S.T. & rec
12-46	SS Cygni	213843	Est. 11-7	
12-48	R Coronae	154428	Est 6. 0	
	SX Herc.	160325	Phot T.	
	Sud, B	var dis		
12 51 15	4. 3			
	86 0	817		
	178 6	944		
	273 0.	1761	-007	
	6.6		-006	
	936	870		
	1842	902		
	2744	1772	-005	
				900
	Sud a		mean -	-039
				861
	104 .9			
	172 8	679		
	281 0	716		
	352 6.	1395	-078	
	1063		-.072	
	1748	685		
	2702	778		
12 55 15	3480	1463	-065	
12 53 15				

Troubled by clds

Aug 20 — 1923

Phot I.

	SW Lacertae	224937	
	Ind. B	var dis	
13:28 00	994		
	1714	720	
	2762	825	
	3587	1545	— 049
	986		
	1810	824	— 052
	2806	694	
	3500	1518	— 054
	a		
	1846		Mean — 037
	2664	818	
	4.8	836	
	884	1654	
	1809		
	2787	978	— 028
	8 7	735	
13.33.01	822	1713	— 022
			— 016

Aug 20 - 1923

	Ind a.			II
13:34:40	1872			
	2710	838		
	3572	936		
	4508	1774	-005	
			+012	
	1776			
	2774	998		
	3580	954		
	4544	1952		
		164.8	+ 0.29	
	Ind B		Mean = —	0.30
	2742			
	3567	825		
	1056	604		
	1660	1429	- 072	
	2852			
	3528	676	- 072	
	984	750		
13:38:12	1734	1426	- 072	

Aug 21 - 1923

	B			III
13:41:35	2774			
	3566	792		
	1058	680		
	1738	1472	-063	
	2802			
	3492	690	-070	
	1000	718		
	1718	1408	-076	
	@			
	102		Mean = -042	
	896	794		
	1768	930		
	2698	1724	-014	
	92			
	912	820	-014	
	1828	909		
13:45 10	2737	1729	-013	

Aug 20 1923

	Sid A.			IIII
13:49:20	1.6			
	98 2	966		
	180 6	930		
	273 6	1896		
		1704	+ 018	
	98			
	908	810	+008	
	1784	982		
	276 6	1792	—002	
	B		— 010 = mean	
	87.2			
	180 4	932		
	276 4	788		
	355 2	1720	—015	
	1007		-029	
	1812	805		
	276 4	768		
13 52 50	353 2	1573	-043	

Aug 20 - 1923 -

V

	Dead B.			
14:12.11-10	962			
	1814	852		
	2732	870		
	3602	1722	-015	
	848			
	1848	1000	+007	
	2712	866		
	3518	1806		
		1794	+ 001	
	a			
	1804		Mean +	0.02
	2684	880		
	3576	~~994~~		
	4560	984	+012	
	1866	1864		
	2784	1736		
	~~3618~~	918		
	18	948	+012	
	966	1866		
			+013	
14 -15:25		1734		

Aug 20. 1923

	a			VI
14:23:20	1822			
	2748	926		
	3530	1068		
	4598	1994		
		1606	+ 0.37	
	1782		+0.37	
	2802	1020		
	: 02	974		
	976	1994		
		1606	+ 0.37	
	B			
	2614		Mean = +0.25	
	3634	1020		
	933	903		
	1836			
		1923		
		1677	+ 0.23	
	2684			
	3592	908	+0.13	
	942	906		
14 26 20	1848	1814		
		1786	+ 0.03	

Sky considerably hazy. with bright moon, making observations extremely difficult.

Wednesday Aug 22 1923

L C Co. 12" Polar F. T. Grec.

13 : 0 SS Cygni 218843 Est 115

R Cor Bor 154428 ~~Phot~~ 7.2 comp'd with 9.8

aavso phot. No I. experimental

7.2 with 9.8

13: 13 50 27.4

292

307

13: 16:20 31.4

13 15 05 29.7 mean

Same again

13. 17 50 31.8

340

364

13 19-19 29.4

13 18 34 35.4

7.2 with 10 3

13:21 20 25.5

295

256

13: 22 45 286

13 22 02 ~~27.8~~ 27.3

Same again

13 23 10 274

279

264

13 24 15 288

1 23 42

Aug 22 · 1923

		R Scuti	18 42 05	Var with 7.1
-13. 41:55	1	268	var.	dis.
	2	274		
	3	271		
-13 42 55	4	279		
		~~248~~ 2.73	Mean	
		g. with	F. F1	Dis
-13 52 20		2.4		
		1.8		
		1.6		
13 52.50		1.6 1.85	~~F dis~~	
		~~2.7 19~~	Mean	
		~~W~~same	var with h	var dis
14.04 33		20.4		
		23 4		
		25 2		
14 05 55		222		
		22.8	Mean	

Aug 22 - 1923
15" E. Eq. Plat Aar80 I

R Scuti 71 with var / var dis

14 30:05 25.8
26 1
24.7
14:31:19 28 4
26.2 Mean

var with brighter component of the preceding double var. dis

14:40 35 .45 6
14 428
41 6
14 41:50 420
43.0 Mean

Thursday Aug 30 - 1923.

L.C. obs. J.T.C. rec.

13-12:20 SS Cygni 213843 Est. - 11:6

a.a.v.S.o. Phot. Region 7
SS Cygni
8.5 with the 9.4

13-1920 198
170
170
13-20.40 166
17.6 mean

8.5 with 96
13-22:35 122
136
156
13 23 40 136
13.8 mean

8.5 with variable
13 24-50 270
260
233
13,25 50 240
25.1 mean

8.5 with var
13: 30 23 222
218
217
13 31 01 220
220 mean

8.5 with 9.6
~~13 31 50~~ ~~13.6~~ 10.4
13 34 20 100
98
13: 34:58 110

Aug 30 1923

	85 with 9.4
13:35 50	16 6
	17.4
	17 2
13:36 50	16 2
	16.8
	85 with 11.7
13 41 45	272
	270
	261
13 42 20	266
	26.7
	8.5 with 11.7
13:40:5	264
——>	264
	267
13 41 20	263
	26.4

(over)

Aug 20 1923.

S Herc. 164715

6.4 with variable

13:49:20 → 166

138

130

136

14.2

.6 4 with 10.5

220

13 50:40 230

216

226

22 3

× 8.3 with 101

~~13 57~~ 22.2

13 58 -10 204

228

200

21.4

× 83 with 8.1

. Too nearly equal to measure

~~131~~

Aug 30 - 1923

S Herc, 164715

6.4 with variable

~~4~~ 134

14;05:00 146

156

146

14.3

6.4 with 105

21.4

14 06.20 222

208

206

21.2

Moon coming up in haze.

Loosen up Decl wires.

clock needs finer adjustment.

Aug. 30/1923

R Cygni 193449 (just preceding
the bright star with a fainter one)

20.2
14-18 25 19 6
21 6
20 7
20.5

Bright star with variable
24.7
14:20:05 25 5
25 8
25 2
25 0

Bright star with 9.7
33 0
14 21 50 32 8
32 7
33 6
33.0

Star preceding bright star with var.
23 3
14:24:20 20 8
20 9
22 4
21.8

1

Friday Aug 31 – 1923

Lbks				F.b. rec.
12-26	SS Cygni	213843	Est. 11.6	
	SX Herc.	160325	Phot. T.	
	Std-B	Comp	* dis	
13:01 55	2710			
	3592	882		
	966	866		
	1772	174.8	+ .010	
	2817			
	3622	805	+ 022	
	946	818		
	1764	1623	+.034	
	Std A.			9.00
	02		Mean =	+0.06
	896	894		9.06
	1816	859		
	2675	175.3	+ 009	
	3592			
	998	100.6	-0.09	
	1848			
13-05 50	2784	936		
		~~2042~~		
		194.2	- 027	
		165.8		

August 31 - 1923

aar80 Phot.

S. Herc. Var with ✱ X

168
13 - 12 05 158 Var the brighter
169
166
4|661 16.6

90 with ✱ X || 90 ~~dis~~ = brighter star

212
13 15 00 188
190
210
4|800 ^ see Rutter chart for Notation

Var ~~90~~ with X

156 ~~90~~ var brighter
13:20:20 164
162
158
4|640 160

90 with X 9.0 = brighter ?

200
13:24. 19- 194
197
184
5|775 19.5

13 -41- Meteor shot thru field mag. 2
N.W. to S.E. direction
position 1930 + 23½

Aug 31 - 1921

A.A.V.S.O. phot-

13.44.45 R T Cygni 194048 Est 7 8

var with 8.3 var. brighter

160

13 46 06 152

156

138

4)606 15.2

83 + 93

148

13 47 55 166

169

159

4)642 160

var + 93

214 var the brighter

13 49 40 216

198

206

4)834 208

var with 10 [illegible] 0

256

13 51 40. 272

262

264

4)1054

264

Aug 31 – 1923

	9.3 mth 108		
	14.4		
13 54 00	13 6		
	14 0		
	13 6		
	4)55.6	1.39	
	var mch 108		
	26 6	this measure not so	
13 56 30	25 0	certain due to proximity	
	25 9	of stars, and beeswax	
	26 9	overlapping wedge.	
	4)104 4		
	26.1		
14 05 20	Nova Aquilae	184300	Est 10.1
	8.6 mch nova		
	21.2		
14 06 50	22 0		
	19 2		
	19 9		
	4)82.3	206	
	8.689.9		
	19 6		
14 08 30	19 0		
	18 9		
	19 6		
	4)77 31	168	

Aug 31 – 1923

	86 mch 103	
	209	
14 10 15	214	
	210	
	204	
	4)837	209
	8.6 mch 89	
	9.0	
14 12 10	88	
	80	
	72	
	4)330	82
	86 mch 90	
	~~2.2~~	
~~14:14:2~~	68	
14:14:45	58	
	60	
	61	
	4)247	62
	9.9 mch 6.3	
	27.8	
14 16 45	274	
	278	
	272	
	1102	

Aug. 31—1923

14:23:20	R Aquilae	190108	Est 107
	~~84~~ 84 D. with F. 89		
	8.2		
14:25 30	10 0		
	12 2		
	11.7		
	4)421	10.6	
	84 D. with G. 89		
	138		
14:27:00	110		
	100		
	108		
	4) 456	11.4	
	84 with 93		
	180		
14 28:40	166		
	160		
	168		
	4) 674	16.8	
	8.4 with	11.6	
	210		
14 30 50	214		
	209		
	208		
	4) 841	21.0	

Tuesday Sept. 4th, 1923.

✓

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

12-27 S.S. Cygni 215843 est 11.7

Thursday September 6, 1923.

12" Polar

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

12-12 — S.S. Cygni 213843 est 11.6

Mon. Sept. 10, 1923

"6" Post Equatorial

Solar Eclipse

~~LC Obs~~

	Ball 103	B 236
G.M.T.	8 12 0.0	8 12 17.5
	13 0.0	13 17.5

G.M.T.

8 43 Clouds

8 44 Clouds

8 45 Clouds (No Indenture seen previous

8 47 Clouds. to ~~M~~ 8.43

10-25 Clouds interfere. Church steeple also in the way.

Tues. Sept. 11, 1923

12" Polar

L. C. Obs. ✓ LC Jr Rec.

13 - 4 - S. S. Cygni 213843 Est 11.6

13 - 6 - R. Cor. 154428 Est 6.2

Haze and Clouds very heavy

Thur. Sept. 13, 1923 L. C. Obs.

5" Polar Southold

14 00 SS Cygni 213843 est ✓ 11.6

15 00 Fri Sept 14, 1923

SS Cyg. est 11.6 ✓

14 30 Sat Sept 15, 19—3

SS Cyg. est 11.5 ✓

Sun Sept 16, 1923

13 20 SS Cyg. est 11.0 ✓

Copied from Memo

Sept 17/1923 L. C.

Mon Sept 17-1923

12" Polar

L.C. Obs

1 240 SS Cygni 21 38 x 3 est 10.8 ✓

Monday Oct. 1 – 1923

L.C. obs.	12 Polar.			F.P.C. rec.
13 47.	S Cygni	213843	Est. 9.1	
	SW Lac	224937	~~est~~ Plat	T.
	Sud B	var dis		
13.58 20	2734			
	3574	840		
	997	790		
	1787	163.0	-032	
	2802			
	3568	766	-.034	
	933	844		
	1777	161.0	-036	
	-a- (hold the 9)		mean = -0.28	
	3538			
	9994	105.6		
	1982	665	-0.15	
	2647	142.1	~~-073~~	
			-0.23	
	114			
	787	673		
	1784	965		
14:02:06	2749	1638	-031	

14 00 13
3694.583
5.420
0.163

Oct, 1923

	B			
14 05 30	3550	~~993~~		II
	943	993		
	1907	765		
	2672	1758	-008	
	100			
	844	744	-004	
	1758	952		
	2710	1796	-001	
	a			
	922			
	1798	876	Mean = -022	
	2836	648		
	3484	1524	-053	
	988		-043	
	1737	749		
	2698	886		
14 09 45	3584	1625	-033	
14 07 38				
3694. 589				
0. 169				

Oct- 1 1923

	2nd a			III
14: 13:50	882			
	1840	958		
	2760	812		
	3572	1770	- 006	
	984			
	1744	760	- 027	
	2759	789		
	3548	1549	- 048	
	B		Mean = - 022	
	1956			
	2614	658		
	3514	974		
	888	1632	- 032	
	1787		- 018	
	2754	967		
	58	808		
14 18:00	866	1775	- 005	

11 50

14 15 55

3694.594

0.174

Oct-1-1923.

	Dd B.			
14 25 04	200.0			
	2630	630		IIII
	000	900		
	900	1530	052	
	178.9			
	2739	950	-040	
	9.8	706		
	804	1656	-027	
	@		Mean = -040	
	2769			
	3548	779		
	955	743		
	1698	1522	-053	
	2797		-039	
	3555	758		
	916	910		
14 28 30	1826	1668	025	
13 34				
14 26 47				
3694.602				
+0.182				

Oct. 1 - 1923

	Std A.			V
14: 32:00	2700			
	3628	928		
	958	889		
	1847	1817	~~003~~	
		178.3	+0.03	
	2727			
	3579	852	0.00	
	938	929		
	1867	1781	-003	
	VB.		Mean = 0.00	
	3566			
	950	98.4		
	1866	789		
	2655	177.3	- 0.05	
	70		0.00	
	922	852		
	1786	982		
14: -35 32	2768	1834	+ 0.06	
7 32		1766		
14 33 46				
3694.607				
0.187				

Oct 1 - 1923

VI

	B		
14 40.10	3543 Var di'		
	950	100.7	
	1888	862	
	2750	1869	
		1731	+ 0.13
	o 2		
	908	906	+ 0.06
	274.4 comp. di'	900	
	3644	1806	
		179.4	+ 0.01
	- @.		mean = + 0.02
	2678		
	3587	909	
	958	849	
	1804	1758	- 0.08
		F	
	2736		- 0.01
	3596	860	
	888	971	
14 4500	1859	1831	
		1769	+ 0.06
14 42 35			
3694 613			
0.193			

Oct. 1 — 1928.

	a			VII
14 49 30	2722			
	3559	837	—	
	955	797		
	1752	1634	−032	
	2740		−028	
	3538	798		
	920	877		
	1797	1675	−024	
	Tg			
	3590		Mean = −0.18	
	908	918		
	1854	864		
	2718	1782	−003	
			−008	
	104			
	874	770		
	1788	952		
14 53 00	2740	1722	−015	
14 51 15				

3694.619
.199

Oct 1 – 23

	B			V/Y
15 00 0	6.4 var dis			
	940	876		
	1852	836		
	2688	1722	-015	
	2.9			
	818	789	-018	
	1838	899		
	2737	1688	-021	
	@		Mean = -0.23	
	1832 comp *			
	2754	922		
	3530	11 ~~5~~16		
	1046	~~1438~~	~~071~~	
		2038	-0.43	
		157.2		
	1789		-0.28	
	2752	963		
	1.6	901	~~-42~~	
15 04 55	9157	1864		
		173.6	* -012	
15 02 28				
3694.627				
.207				

Oct. 1-1923

	a		ZX
15! 16:30	1774 <comp*		
	2730	95.6	
	3587	96.8	
	955	192.4	− 0.24
		167.6	
	1764		− 0.34
	2807	104.3	
	3550	99.4	
	94.4	203.7	
		157.3	− 0.43
	73,		mean = − 0.37
	~~[illegible]~~	~~Var~~ dis comp*	
	1758		
	2820	106.2	
	3533	101.4	
	947	207.6	− 0.54
		152.4	
	1769		− 0.44
	2762	99.3	
	3566	98.0	
15 = 21.05	946	197.3	− 0.33
37 31		162.7	
15 18 48			
3694.638			
.218			

Oct - 1 - 1923

	B.			X
15 24 58	1750			
	2742	992		
	3544	102.2		
	966.	2014		
		158.6	− 0.41	
	1774		− 0.44	
	2764	990		
	3537	1052		
	989.	2042	− 0.46	
		155.8		
	-a-		Mean = − 0.50	
	2636			
	3636	1000		
	755	1177		
	1982			
		2177	− 0.73	
		142.3		
	2688		− 0.55	
	3712	1024		
	887	977		
15 29 20	1864	2001		
18		159.9	− 0.38	
15 27 9				
3694.644				
.224				

Tuesday ☉ Oct. 2 - 1923

12' Polar

L C obs				F. S. C rec
12:	R Cor. Bor.	154428	Est -	

Adjustment of Instrument out of order.

Impossible to set on any known object

Wednesday Oct 3 - 1923

✓

LC obs				F.T.C. rec.
12.00.	SS Cygni	213843	Est 10.4	
12 02.	R Cor. Bor.	154428	Est 5.6	
	SW Lac. Seq. B	224937	Phot. T.	I
12:06 15	110 4	var. dis-		
	193 8	834		
	300 4	640		
	364 4	1474	~~+~~063	
	1252			
	1859	607	−063	
	2914	834		
	3748	1441	−063	
	B		Mean = 0.22	
	1966			
	2957	991		
	106	1060		
	1166	2051		
		1549	+ 048	
	2055			
	2934	879	+ 0.18	
	249	850		
12:09.40	1099	1729	− 013	

15 55
12 07 56
3.69 6.506
345

Oct 3 - 1923

	a			II
12; 12 32	2046			
	2917	871		
	180	932		
	1112	1803		
		1797	+ 0.01	
	201.4		−0.08	
	2884	870		
	246	848		
	1094	1718	−016	
	B			
	2892		Mean = − 0.16	
	3828	936		
	1156	828		
	1984	1764	−007.	
	2908		−0.20	
	3752	844		
	1148	288		
12 16 00	1936	1632		
			−0.32	

12 16 16
3696.510
.345
.165

Oct 3 - 1928 -

	B.			
12;23:30	2977			III
	3762	785		
	1128	760		
	1988	1545	−049	
	2887			
	3778	891	−035	
	1158	799		
	1957	1690	−021	
	a			
	198		mean = −0.11	
	1078	880		
	2052	814		
	2866	1794	−001	
	164		+013	
	1080	916		
	1959	1029		
12 27:00	2988	1945		
		1655	+027	

12 25 15

3696.577

3405

.172

Oct 3/23

	a,			IV
12:36 12	11 8			
	1112	994		
	2009	905		
	2914	1899	+ 0.19	
		170.1		
			+ 0.12	
	98			
	16~~20~~64	86.6		
	1988	95 6		
	2944	1822	+ 0.04	
		177.8		
	B			
	1118		Mean = + 0.06	
	1995	777		
	2855	965		
	3820	1742	- 011	
	1074		+ 0.01	
	2018	944		
	2872	9 22		
12: 40 00	3794	1866		
12 38 06		173.4	+ 0.13	

3696.526
345

.181

Oct 3/23

	B.			V
12:4350	1132			
	2068	936		
	2936	760		
	3696	1696	−0,20	
	1132		−011	
	2028	896		
	2926	892		
	3818	1788	−002	
	a		Mean	= +004
	1968			
	2930	962		
	152	907		
	1059	1869	+ 018	
		1731		
	2062			
	2974	912		+018
	110	1008		
12:47:20	1118	1920	+ 023	
		168.0		

12 4535

3686.532

.345

.187

Oct 3/23

~~VI~~

	a.		
12: 52 15	2014		
	2914	900	
	184	938	
	1122	1838	
		1762	+ 007
	2004		+ 0.16
	2926	922	
	144	1006	
	1150	1928	
		1672	+ 0.24
	B.		Mean = + 0.09
	2848		
	3852	1014	
	1063	955	
	2018	1969	+ 013
		1731	
	2922		+ 0.02
	3754	832	
	1105	917	
12: 55 50	2022	1749	− .009
58 05			
12 54 02			
3696.537			
355			
.192			

Oct 3/23

	B.			VII
13:07:35	2784			
	3850	1066		
	1159	741		
	1900	1807		
		1793	+0.01	
	2928			
	3733	805	0.00	
	1094	992		
	208.6			
		1797	-001	
	a			0.00
	9.8			
	1180	1082		
	2048	894		
	2942	1976		
		1624	+0.33	
	202		0.00	
	1028	826		
	2047	802		
13 -11 30	2849	1628	-0.33	
13 09 32				
3696.549				
385				
.204				

Oct 3 - 1923

~~IX~~
VIII

	a		
13:21:21	19.8		
	1094	896	
	2022	910	
	2932	1806	
		1794	+001
	15.0		
	1050	900	-013
	2102	760	
	2862	1660	-027
	B		Mean = -016
	1155		
	1958	803	
	2904	858	
	3762	1661	-026
	1104		-020
	2014	910	
	2922	822	
13 25 00	3744	1732	-013

13 23 10
3696.558
345
.213

Oct 3 - 1928

	VB.			IX
13 38 00	1136			
	1894	758		
	2894	870		
	3764	1628	- 033	
	1118			
	1972	754	- 034	
	2986	862		
	3748	1616	- 035	
	-Q-		mean = -0.43	
	2154			
	2836	682		
	200	913		
	1113	159.5	- 039	
	2118~~8~~		- 0.52	
	2930	822		
	330	644		
13 41 00	1974	146.6	- 065	

79 00
13 39 35
3696569
385
.224

Oct 3/23

	R.			
13 48:45	2100			X
	2820	720		
	252	762		
	1014	1482	-061	
	2030			
	2858	828	-056	
	322	700		
	1022	1528	-052	
	Bz.		Mean = -064	
	3036			
	3704	668		
	1148	800		
	1948	1468	-064.	
	3004		-072	
	3728	724		
	1202	670		
13 51.45	1872	1394	-079	

13 50 15
3696.576
345
.231

Oct. 3/28 –

	B.			XI
14: 01:00	3072			
	3720	648		
	1142	766		
	1908	1414	-075	
	3000		-072	
	3720	720		
	1240	719		
	1959	1439	-070	
			Mean =	-065
	308			
	978	670		
	2100	748		
	2848	1418	-074	
	309		-058	
	1077	768		
	2078	809		
14 0340	2887	1577		
			-043	

14 02 20
3696.585
345
.240

Oct 3/13

17:	a.			XII
14:~~16~~05	262			
	1636	774		
	2098	740		
	2838	1514	−055	
	278			
	1060	782	060	
	2132	675		
	2807	1457	066	
	B.		− Mean =	− 068
	1232			
	1914	682		
	3012	710		
	3722	1392	−079.	
	1278			
	1928	650	−076	
15	2974	774		
14:20	3748	1424	−073	
37 20				
14 18 40				
3696597				
365				
.252				

Oct 3/18

	78			~~XIII~~
14:36:58	1172			
	1927	755		
	2984	688		
	3672	1443	-069	
	1198			
	1927	729	-070	
	2990	708		
	3698	1437	-070	
	a,		Mean =	- 0.74 ~~048~~
	2162			
	2896	794		
	248	700		
	948	1494	-059	
	2118			
	2777	659	-027	
	304	654		
14 40 10	958	1313	- 0.95	
14 38 34				
3696.610				
345				
.265				

Oct 3/23

	a.			XIV
14:54:30	2112			
	2818	706		
	182	798		
	1080	1504	−057	
	2078			
	2884	806	−058	
	290	688		
	978	1494	−059	
	B		Mean =	−068
	~~2094~~			
	~~2780~~	~~686~~		
	~~249~~	~~8~~		
	~~1667~~			
	2942			
	3728	786		
	1218	592		
	1810	1378	−082	
	3028			
	3688	660	−078	
	1180	752		
14 59 30	1932	1412	−075	
14 57 00				
3696.623				
[illegible]				

Oct 3 - 1923

XV ✓

	B		
15 07.50	3068		
	3698	690	
	1155	755	
	1910	1445	-068
	2968		
	3710	742	-056
	1090	830	
	1920	1572	-043
	a		Mean = − 050
	230		
	1066	836	
	2092	756	
	2848	1592	040
	222		045
	1008	786	
	2106	752	
15 11 03	2858	1538	050
15 09 26			
3696.631			
[illegible]			
.286			

Thursday Oct 4. 1923

L.C obs. J.T.C rec.

13 -10	SS Cygni	213843	Est. 10.9
	aF Cygni	192745	Est Phot T.
	Sed. B	var dis.	
- 13.31.37	200.7		
	2933	926	
	7.6	1120	
	1196	2046	
		155.6	+.047
	1906		
	3022	1116	
	167	1072	+061
	1139	2188	
		141.2	+075
	a		
	2826		Mean = +045
	3789	963	
	1067	985	
	2052	1948	
		165.2	+028
	2852		
	2822	1070	
13 36	1094	920	+032
	2014	1990	
		161.0	+036

Oct 4 - 1923

AF Cygni

AAVSO Phot.
Comp * dir.

29.2
14 00 45 283
294
298 — comp * with * ~~B~~ b
2918

30.8
14 01 30 298
309
302
17
3042

var. with b.
star b = * midway betwe
~~var~~ + the comp * used
with Phot V.

3.58 — Var. measured by extinction
14 03 55 342
368
338
206
351.5

344 — Comp * by extinction
14 05 42 342
338
352
16
3440

16.6 — Star b by extinction
14:10 12 210
208
198
1955

Too many clouds to continue to advantage

Friday Oct 5 - 1923

L. C. obs. S. I. C. rec

#2. 26-10. SS Cygni 213843 Est 10 9 L. C. J. rec

13 ow cloudy

15 4c clear

Ind B. Comp *s for X Tri 015427

~~16~~ 15-59-35 47.2 31.2 Star 1 with 2.

78.4 35.9 1 brighter and D1s

226.8 67.1 260

262.7

2.50

46.7 39.1

85.8 34.0

227.4 73.1 241

261.4

Ind A. Mean = 247

137.4 32.8

170.2 38.2

317.6 71.0 247

355.8

244

132.4 40.4

172.8 32.9

320.4 73.3 240 *1 = +27.310 (602)

16 : 2 : 30 353.3 *2 = +26.336

Oct. 5, 1923

L.C. Jr. Rec.

6	Ind. B.		
15:5:52	20.4	86.0	★ 2 with a
	106.4	104.0	★ ~~3~~ dis.
	196.2	190.0	
	290.2	1700	0.19
	17.4	96.0	0.20
	113.4	95.0	
	196.2	191.0	
	291.2	1690	0.21
	Ind. A.		Mean = 0.20
	107.7	97.3	
	205.0	99.8	
	282.4	197.1	
	382.2	162.9	0.32
	103.6	98.2	0.20
	201.8	86.1	
	297.6	184.3	
16:8:50	383.7	175.7	0.08

★ 3 = +27.3 20 (6.5)

other ★ according to Leuvin Not
see A.N. 5250

Oct. 5, 1923

	Ind. B.		
16: 13: 25	29.4	69.6	* a with c
	99.0	65.3	* a Dis
	214.4	134.9	0.88
	279.7		
			0-80
	32.0	66.8	
	98.8	65.6	
	211.8	132.4	0.83
	277.4		
	Ind. A.		Mean 0-87
	122.4	67.2	
	189.6	59.0	
	304.7	126.2	1.06
	363.7		
			1.04
	119.2	67.0	
	186.2	61.6	
	304.8	127.6	1.03
16: 16 :25	366.4		

Oct. 5, 1923

	Ind. B		b	*3
16:23:45	46.4	38.4	~~a~~ with	~~x 3~~
	84.8	36.9	*3 dis	
	227.7	75.3	234	
	264.6			
			2.38	
	45.8	39.4		
	85.2	33.0		
	226.4	72.4	2.43	
	259.4			
	Ind. A		Mean	2.39
	137.7	36.1		
	173.8	37.1	240	
	315.6	73.2		
	352.7			
			2.40	
	135.8	36.0		
	171.8	37.7		
	314.7	73.7	2.39	
16:26:2	352.4			

Oct. 5, 1923

	Ind. B		
16:28:10	~~80~~	~~113.6~~	b with c
	122.4	68.0	* b Dis
	190.4	68.1	
	297.4	136.1	085
	365.5		
			0.93
	122.4	66.3	
	188.7	62.2	
	303.6	128.5	1.01
	365.8		
	Ind. A		Mean = 1.08
	217.4	57.3	
	274.7	63.0	
	35.8	120.3	1.19
	95.8		
			1.24
	217.8	55.6	
	273.4	60.4	
	35.8	116.0	128
16:30:47	96.2		

Oct. 5, 1923

	Ind. B			
16:32:57	136.4	33.8	* 3 with d.	
	170.2	32.0	* 3 dis	
	318.2	65.8	265	
	350.2			
			274	
	140.4	28.0		
	168.4	32.6		
	316.2	60.6	284	
	348.8			
	Ind. A		Mean	287
	232.0	28.4		
	260.4	28.3		
	49.4	56.7	299	
	77.7			
			300	
	231.4			
		27.8		
	259.2	28.2		
	48.2	56.0	302	
16:35:39	76.4			

Oct. 5, 1923

	Ind. B.		
16: 41: 0	301.4	60.9	* d with * f
	362.3	79.2	* d Dis.
	112.6	140.1	0.77
	191.8		
			0.62
	295.2	73.6	
	368.8	81.2	
	111.8	154.8	0 48
	193.0		
	Ind. A.		Mean 0.72
	35.2	62.6	
	97.8	70.0	
	208.8	132.6	0 93
	278.8		1.
			0.8~~2~~
	30.9	68.9	
	99.8	75.5	
	207.7	144.4	0 69
16; 44 :28	283.2		

Oct. 5, 1923

	Ind. B.			
16: 49 : 20	26.2	51.0	* a with * ~~B~~ f	
	77.2	45.0	* a Dis	
	212.4	96.0	1.76	
	257.4			
			1.66	
	22.4	53.0		
	75.4	51.0		
	206.2	104.0	1.56	
	257.2			
	Ind. A.		Mean	1.65
	119.8	45.4		
	165.2	46.0		
	298.4	91.4	1.88	
	344.4			
			1.64	
	118.6	48.6		
	167.2	62.6		
	289.8	111.2	1.39	
16: 52: 25	352.4			

Saturday Oct 6 - 1923

12 Polar

L C obs. F.T.C rec

	~~S Cygni~~		Phot V.
	S X Herc.	160325	
	Red B.		
11:45:-43	8.7		
	927	var dis	
	1874	840	
	2760	886	
		1726	— 014
	124		
	947	823	-020
	1859	845	
	2704	1668	— 025
			Mean = -036
			- 900
	-a-		8.64
	108.9		
	1784	695	
	2862	736	
	3598	1431	-071
	1042		— 053
	1872	830	
	2827	787	
11 45 35	3614	1617	-035
14. 52 15	S Cygni	213843	Est = 11-1

Oct 6 - 1923.

	S W Lacd.	224937	Phot V.
11	Sud. B	comp ~~var~~ dis.	
~~12~~ 55 50	3508		
	1102	119.4	
	1758	1094	
	2852	228.8	
		132.2	* −093
	3533		
	1164	1231	
	1840	954	−0.84
	2794	~~1585~~	
		2185	
	Sud A.	141.5	* −074
	908		
	1892	984	Mean = -064
	2694	1061	
	3755	2045	
		155.5	* −047
	864		
	1982	1118	− 043
11	2784	888	
~~12~~ 59 15	3672	2006	
11 57 32		159.4	* −039
3699.499			
.231			
.268			

Oct 6 - 1923

12 ✓

13 02 30

a

II

912

1918 1006

2666 1046

3712 2052

1548 - 048

878

1974 1096 -041

2794 881

3675 1977

1623 - 034

B

1798

2822 1024 mean = 055

3527 110.7

1034 2131

14.69 - 064

179.7

2874 1077

12 ✓

3544 1104 -069

13 05 40 1048 2181

12 04 05 1419 - 074

3699.503

211

.272

Oct 6 - 1923 -

12	B			III
13 1450	2830	var dis -		
	3544	714		
	1086	670		
	1756	1384	−081	
			−078	
	2894			
	3556	662		
	1036	753		
	1789	1415	−074	
	a			
	106		Mean = −054	
	922	816		
	1986	750		
	2736	1566	−045	
			−029	
	87			
	908	821		
12	1864	910		
13 1755	2774	1731	−013	
12 16 22				
3649.571				
231				
280				

Oct 6-1923

1✓	a			
B:2426	122.			IIII
	898	776		
	1914	800		
	2714	1576	-043	
	147		-038	
	884	737		
	1924	884		
	2808	1621	-034	
	B		Mean = -058	
	1048			
	1819	771		
	2919	633		
	3552	1404	077	
	1069		067	
	1752	783		
1✓	2834	720		
B 27:50	3554	1503	057	
12 16				
12 26 of				
3699-518				
231				
287				

Oct 6 - 1923

	B			V
12:35 55	1006			
	1806	800		
	2892	542		
	3434	1342	-089	
	1079			
	1754	670	-082	
	2853.	732		
	3585	1407	-076	
	a		Mean = -064	
	1898			
	2733	835		
	178	719		
	897	1554	-047	
	1972		-047	
	2682	710		
	98	845		
12 39 10	943	1553	-047	

12 37 28
3699.526
231
.295

Oct 6 - 1923

	-a-			VII
12:48:18	1872			
	2822	950		
	143	751		
	894	1701	019	
	1928			
	2732	804	024	
	12.0	838		
	958	1642	030	
	B			
12 50±	1890			
	2798	908		
	108	750		
	858	1658	027.	
	1948		-0.17	
	2804	856		
	64	908		
~~12 51 40~~	972	1764	007	

Oct 6 - 1923

	2800			VII#
	3598	798	mean =	−038
	1062	700		
	1762	1498		
			−058	
	2872			
	3598	726	−058	
	1040	274	−	
12 54.00	1814	1500	058	
12 12 00				
3699 536				
231				
305				

see next page for VIII

Oct 6 - 1923

	B			VIII
12:57.10	2870			
	3558	688		
	1081	681		
	1762	1369	-.084	
	2840		-.066	
	3600	760		
	1028	786		
	1814	1546	-.049	
	a			
	2.8		Mean = -.041	
	970	942		
	1962	788		
	2740	1730	-.013.	
	98			
	884	786	-0.16	
	1858	911		
13 01 -05	2769	1697		
12 57 08			-.020	
3699.541				
231				
.310				

Oct 6 - 1923

	a			IX
13 06 04	9.2			
	898	806		
	1969	733		
	2702	1539	-050	
	~~B~~		044	
	172		~~049~~	
	907	735		
	1908	861		
	2769	1596	039	
	B.		-0.51	
	1018			
	1840	822		
	2850	713		
	3563	1533	051	
	~~[illegible]~~			
	1086		-0.58	
	1772	686		
	2826	772		
13 10 *	3598	1458		
			066	

13 08 02
3699.547
231
.316

Pencils out of adjustment
reject group IX

Oct 6/23

	B			X
13 11 10	1022			
	1830	808		
	2794	790		
	3584	1598	.038	
	1030			
	1872	842	−0.44	
	2859	700		
	3559	1542	−049	
	a		Mean = −0.22	
	1896			
	2724	828		
	2.2	930		
	952	1758	−008.	
	1830		−001	
	2800	970		
	58	860		
13 14 20	918	1830		
5 30		1770	+ 006	
13 12 45				
3699.551				
320				

Oct 6/23

	a.			XI
13 20 55	1898			
	2824	926		
	132	802		
	934	1728	-014	
			-0.05	
	1898			
	2822	924		
	7.2	896		
	968	1820	+ 0.04	
		1780		
			Mean =	-0.20
	2774			
	3579	805		
	1046	768		
	1814	1573	-043	
			-0.34	
	2785			
	3670	883		
	1046	776		
13 24 10.	1822	1661	-026	
13 22 32				
3699.558				
006				

Oct 6/23

	β			~~XII~~
13 34.00	2848			
	3538	690		
	1032	730		
	1762	1420	- 073	
	2811			
	3594	783	- 068	
	1062	696		
	1758	1479	- 0.62	
	α.		Mean = - 0.20	
	85			
	958	873		
	1833	1025		
	2858	1898		
		171.2	+ 0.17	
	3587		+ 0.28	
	988	1001		
	1832	1000		
13 37 10	2832	2001	+ 0.38	
11 10		159.9		
13 35 35				
3699.567				
.015				

Oct 6 - 23

	a			XIII
13 45 00	9.8			
	91 2	814		
	189.1	851		
	2742	1665	-025	
	178		-014	
	936	758		
	1808	1020		
	2828	1778	-004	
	β		Mean =-019	
	1014			
	1833	819		
	2787	865		
	3632	1684	022	
	980		-024	
	1809	829		
	2804	828		
18 48 40	3632	1657	027	
13 40				
13 46 58				
3699.574				
022				

Oct 6 - 1923

	B			XIV
13.' 54 20	933			
	1896	963		
	2726	936		
	366.2	1899		
		170.1	+ 0.19	
	974			
	1864	890	+0.10	
	2776	908		
	3684	1798	− 000	
	@		Mean =	+0.21
	1809			
	2848	1039		
	1.2	1009		
	1021	2048	+ 0.47	
		155.2		
	1			
	1822		+ 0.32	
	2824	1002		
	6 2	893		
13 53 45	955	1895		
		170.5	+ 0.18	
13 52 02				
3699.578				
.026				

Of eq = +.004
added to obs'd time of obs

Monday Oct 8 - 1923

L C obs.				S S Crec
12 08 –	SS Cygni	213843	Est 11.3	
	8U Lac	224937	Phot T.	
12 13:10	Ind. B	vardes		
	2704			
	3598	894		I
	872	1016		
	1888	1910	+0.21	
		169.0		
	2692		+0.02	
	3544	852		
	968	858		
	1826	1710	–017	
	– a –			
	3570	102.4	mean +0.27	
	994	~~24~~		
	1708	1151		
	2859	2175	+072	
		1425		
	3555			
	1002	1047	+0.52	
	1876	920		
12 16:35	2796	1967		
		163.3	+032	
+ 29 45				
12 14 52				
~~3699.5~~				
3701.580				
.476				
.034				

Oct 8 - 1923

	a			
12:18:40	04			II
	974	970		
	1818	928		
	2746	1898		
		170.2	+0.19	
	3533		+0.24	
	978	104.5		
	1838	910		
	2748	195.5	+0.29	
		164.5		
	7B,			
	96.6		mean =	-0.07
	1696	730		
	2734	876		
	3610	1606	-037	
			-038	
	955			
	1778	823		
	2764	766		
12 21 60	3530	1589	-048	
39 40				
12 19 50				
3701.514				
676				
.038				

Oct. 8 - 1923.

	B.			III
12:26:45	1004			
	1784	780		
	2750	900		
	3650	1680	- 0.23	
			- 0.06	
	968			
	1860	892		
	2766	962		
	3628	1854	+ 0.10	
		174.6		
	a		Mean = +	0.07
	176.2			
	2833	1071		
	3588	982		
	970	2053		
		1547	+ 0.48	
	1822		+ 0.20	
	2789	967		
	99	788		
12 29 50	879	1755	- 0.08	
16 35				
12 28 18				
3701.519				
626				
.063				

Oct 8. 1923

	a			IV
12 35 00	1860			
	2766	906		
	1.4	964		
	978	1870		
		1730	+013	
	1766		000	
	2782	1016		
	15.0	720		
	870	1736	-012	
	B		Mean =	-008
	279.7			
	3618	821		
	937	935		
	1872	1756	-008	
			-016	
	2770			
	3589	819		
	972	860		
12 -38 00	1832	1679	-023	

+ 13 00

12 36 30

3~~6~~701.526

476

.050

Oct-8-1923

	B			V
12 43 40	2804			
	3508	704		
	926	872		
	1798	1576	-043	
	2761			
	3600	839	-042	
	1033	741		
	1774	1580	-042	
	a		Mean = -	0.28
	109			
	878	769		
	1828	954		
	2782	1723	-014	
			— 0.14	
	3598			
	933	955		
	1928	772		
12' 46 40	2700		-0.16	
		1727		

10 20

12 45 10

3701-5 31

636

.055

Oct-8-1923

	a			
12 53 55	7.8			
	858	780		
	1830	948		VI
	2778	1728	- 0.14	
	3.8			
	898	860	- -012	
	1889	885		
	2774	1745	-0.10	
	B.		Mean = -	033
	9.89			
	1680	~~169~~		
	2786	691		
	3640	854		
		1545	-0.49	
	1008			
	1807	799	-054	
	2834	690		
12 57 02	3524	1489	060	
57				
12 55 28				
3701.539				
476				
.163				

Oct 8 - 1923

	β			
13 0840	1024			
	1736	712		VII
	2804	810		
	3614	1522	-053	
	963			
	1778	815	62	
	2864	624		
	3488	1439	070	
	a		Mean = -052	
	1884			
	2689	805		
	38	550		
	908	1655	027	
	1822			
	2758	736	042	
	104	774		
13 1155	878	1510	056	
~~13~~ 35				
13 10 18				
3701-569				
676				
.073				

Oct 8 − 1923

	a			VIII
13:23 03	1908			
	2624	716		
	4.4	874		
	918	1590	−040	
	1878			
	2697	819	−040	
	10,0	767		
	867	1586	−041	
	B.		Mean = −049	
	2790			
	3526	736		
	1626	766		
	1792	1502	−057	
	2756		−058	
	3570	814		
	1039	671		
13:26:15	1710	1483	060	

47 18
13 24 39
3)61.559
476
.183

Oct 8-1923

	B.			IX
13 33'00	2860			
	3486	626		
	1006	712		
	1718	1338	-090	
	2700		-068	
	3562	862		
	1022	691		
	1713	1553	047	
	A		Mean = -054	
	9.8			
	878	780		
	1908	768		
	2676	1548	048	
	84		-040	
	826	742		
	1844	896		
13 36-10	2740	1638	031	
9 10				
13 34 35				
3701-566				
626				
-090				

Oct 8 – 1923

	a			X
13:45 05	2.0			
	878	858		
	1918	718		
	2636	1576	– 043	
	~~3760~~ 189			
	824	715	–044	
	1898	844		
	2742	1539	–046	
	B		Mean –	062
	992			
	1774	782		
	2838	615		
	3453	1397	– 078.	
	1053			
	1720	667	– 080	
	2810	712		
13 48 30	3522	1379		
13 35			–082	
13 46 48				
3701.574				
476				
.098				

Oct 8 - 1923

	B.			XI
13 57 30	1020			
	1740	720		
	2884	590		
	3474	1310	−076	
			−080	
	1048			
	1728	780		
	2840	688		
	3528	1468	−064	
	a		Mean = −070	
	1817			
	2688	871		
	104	720		
	824	1591	040	
			−061	
	1980			
	2656	676		
	~~3706~~	702		
	106	1378	082	
13 59 − 55	808			
13 58 42				
3701.583				
476				
.107				

Oct 8 — 1923

	α-			XII
14: 9:18	1939			
	2666	727		
	6.4	856		
	920	1583	-041	
			-047 ~~48~~	
	1908			
	2694	786		
	10.9	735		
	844	1521	-053	
	B.		Mean =	− 0.68
	2852			
	3578	666		
	986	790		
	1776	1456	-666	
			− 0.90	
	2802			
	3476	674		
	1108	556		
14 12 15	1664	1230	-113	
21 33				
14 10 46				
3701.591				
476				
.115				

Oct 8 – 1923.

	78.			XIII
14:20'48	2828			
	3520	682		
	1055	662		
	1717	1344	-089	
	2804		-091	
	3504	700		
	1089	625		
	1714	1325	-093	
	α		Mean = -070	
	166			
	833	667		
	1818	881		
	2699	1548	-048	
	44		-049	
	915	871		
	1955	667		
14 23 55	2622	1538	-050	
4 03				
14 22 02				
3701.599				
476				
.123				

Oct-8-1923

	a.			XIV
14:32:48	7.2			
	833	761		
	179.0	918		
	2708	1679	-023	
	64		-024	
	938	874		
	1950	796		
	2746	1670	-025	
	B.		Mean =-041	
	992			
	1808	816		
	2860	614		
	3474	1430	-071	
	1040		-058	
	1866	926		
	2904	638		
14.36.10	3542	1564	-0.45	

14 34 29
3701.607
436
.171

Oct 8 – 1923

	TB			XJ
14:38.25	1006			
	1728	722		
	2777	721		
	3498	1443	069	
	1064		072	
	1728	664		
	2818	744	-076	
	3562	1408		
	α.		Mean 056	
	1884			
	2714	830		
	72	722		
	794	1552	047	
	1904		040	
	2628	724		
	26	898		
14 41.45	924	1622	034	
10				
14 40 05				
3701.611				
675				
.135				

Oct 8/1923

	a			XVI
14: 49:00	1940			
	2676	736		
	144	704		
	848	1440	-069	
	1992		-059	
	2674	682		
	58	860		
	918	1542	-049	
	B		Mean -068	
	2818			
	3518	700		
	1068	686		
	1754	1386	-080	
			-076	
	2850			
	3333	683		
	980	738		
14 52 35	1718	1421	-073	
11 35				
14 50 48				
3701.619				
476				
.143				

Oct 8/23

	B			XVII
14:55 08	2724			
	3573	849		
	1030	742		
	1772	1591	040	
	2818		048	
	3572	754		
	1006	778		
	1784	1532	051	
	a		Mean = 044	
	68			
	916	848		
	1948	776		
	2724	1624	033	
	138		042	
	835	717		
	1879	810		
14 58 30	2689	1527	052	

13 38
14 56 49
3701.623
476
.147

Oct 8-1923

	a			XIX
15 00 50	98			
	849	751		
	1889	827		
	2716	1578	-042	
	64		-044	
	888	824		
	1940	742		
	2682	1566	-045	
	B.		Mean = -	056
	1036			
	1776	740		
	2814	750		
	3564	1490	059	
	1000		-068	
	1694	694		
	2828	708		
15 04 05	3536	1402	-077	
15 02 26				
3701.626				
426				
0.150				

Tuesday Oct 9 - 1923

L.C. obs.
F.T.C. rec.

12:30 SS Cygni 213843 Est 11-5

Too cloudy for extended work.

Tuesday Oct 16 - 1923

L.C. obs   L.T.C. rec.

12. 57 - S Cygni 213843 Est. 11.7

AAVSO Phot - Kodak wedge No 1.

8.5 + var. 8.5 the brighter

33 4

13 00 30 35 4

36 0

34 8.

19 6
3 4 9

Var + 9.6 - 9.6 brighter

32 0

13 02 55 35 0

32.0

31.9

16 9
32.7

85 + var 8.5 the brighter

36 0

13:04:50 34 9

33.4

33.8.

18 1
34.5

var much 11.7 var dist brighter

6.0

13:06 52 7.1

6.4

6.6

21
6.5

21384

Oct 16 - 1923

~~8.5 + 9.6 -~~ 8.5 brighter
~~21.4~~
~~13:09:11~~ ~~23.0~~ Re taken below
~~18.2~~

8.5 + 9.6 8.5 brighter
12.8
13 - 12: 15 12 2
11.4
11 9.
12.1

8.5 + 10.9
27.2
13: 13 40 26.6
26.3
26 8
29
26.7

8.5 + 9.6 8.5 brighter
15 5
13 36 30 15 6
15 7
14 8
~~15.4~~
8.5 with variable 8.5 brighter
31.2
13 37 59 33 3
31.0
32.4

Oct. -16- 1923.

8.5 + 10.9 8.5 brighter

~~36.8~~

~~13.~~ 32.0

13:40:10 31.8

30.0

29.2

30

30.8

8.5 + 11.7

36.4

13: 42 00 34.9

36.0

36.1

234

35.8

8.5 ~~Var~~ + 9.4

21.0

13 47.00 21.2

20.9

21.4

5

21.1

85 + 9.4

~~14~~ 18.4

14 04 43 16.8

17.6

16.2

290

17.2

Oct 16 – 1923

	85 + 96.
45	16 2
14.06 ~~45~~	17 0
	17 2
	16.8
	16.$\overset{32}{\cancel{8}}$
	85 + 10.9.
	27.8
14 08 00	27 8
	26 7
	26.8
	27.$\overset{1}{3}$
	8.5 + var.
	32.0
14:09 25	30 9
	31 2
	30 9
	31.$\overset{50}{2}$
	8.5 ~~+~~ 11.8 ?
	35.0
14 10 40	34.9
	34 7
	34.9
	34.9

Oct 16 - 1923

8.5 + 9.6

15.5
14:25:47 15 9
16 2
15.9
63 5
158

9.6 + variable 9.6 brighter

26.6
14 28 10 25 9
26 0
26 9
1034
263

9.6 + 11.7

30 7
14 30 24 31 2
31 8
30 8
1247
301

9.6 + 9.4 9.6 the brighter

7.2
14 34 00 6 9
6 7
6 6
274
68

85 + 12 2

40.6
14:35 50 410
414
416
1646
401

Wednesday Oct 17 — 1923

L C obs F.T.C. rec

12:20 SS Cygni 213843 Est. 11.5

8.5 with variable 8.5 the brighter

31.8

12.27 15 330 AAVSO Phot

332 Kodak Wedge

308

1288

32.20

85. and 9.6 8.5 the brighter

222

12 29 20 184

186

177

769

19.22

8.5 + 10.9

26.8

12 31.08 274

304

306

1152

~~28.8~~0

8.5 + 17.8

38.7

12 33 35 389

387

392

4|1555

38.88

Oct 17 - 1923

85 + 94

256

12' 35.35 226

220

228

930

232.5

8,5 with 12.1

40.0

12 37 28 41,4

41,4

40 8

1636

40.90

8,5 with 11,2

~~39.6~~

all right!

~~12'39.39~~ 37.2

348

377

378 / 3688

1475

8,5 + 11 3

36.9

12 42 20 3268

369

361

$4 | 14_2 6_2 7$

36.68

Oct 17 — 1923

11.2 with 12.1
14.8
12 45:15 15 7
14.9
13 8
59.2 14.80

10.9 with 11.2
17.4
12 47 40 16 4
17.2
16.4
16.85

10.9 with 9.4 9.4 > 10.9
19.8
12:49.35 21 4
22.2
22.4
21.45

9.4 with 11.8
23,3
12:52:05 24 8
23 2
22 8
23.55

9.4 with 9.6 9.6 > 9.4
~~12.0~~
12:55:08 8.6
8 8
8.2
9.2 8.70

Oct 17 - 1923

	308	8.5 with Var / 10.5 >
13:14-10	298	
	309	
	304	
	1219	
	30.48	
	~~198~~	85 with 96
13 16:15	166	
	162	
	159	
	166	
	653	
	16.32	
	148	8.5 with 9.4
13 17:40	144	
	158	
	160	
	610	
	1525	
	398	8.5 with 121
13 19 25	402	
	420	
	408	
	1628	
	40.70	
	374	8.5 - 118
13 21:35	362	
	374	
	378	
	1488	
	37.20	

Oct 17 – 1923

	35.0	8.5 with ~~12.1~~	11.2
13 23 40	35.8		
	36.8		
	37.4		
	145.0		
	36.7^{5}		
	36.0	8.5 with	11.3
13 24:50	34.8		
	34.7		
	35.2		
	140.7		
	35.18		
	13.0	11.2	12.1
13:27 03	13.0		
	14.2		
	14.4		
	54.6		
	13.6^{5}		
	14.8	10.9 with	11.2
13 29:55	15.2		
	15.0		
	16.0		
	61.0		
	15.7^{5}		
	20.6	10.9 with	9.4
13 31 30	18.0		
	16.9		
	17.5		
	73.0		
	18.2^{5}		

Oct 17/23

	22.2	94 mich 118	
13 33 12	209		
	220		
	208		
	859		
	214.8		
	7.0	9.4 +	9.6 / 9.6 >
13.35 18	7.7		
	109		
	89		
	345		
	86.2		
	40.0	Chi	Cygni var mik 8.7 var >
14:13:22	398	χ	194632
	39.0		
	404		
	1592		
	398		
	3.0	87. +	9.0 / 9:0 >
14.17.19	3.8		
	40		
	30		
	138		
	34		
	.158	~~87 73~~. 6.4 +	8.4 / 64 >
14:21:15	160		
	18.0		
	182		
	680		
	170		

Oct 17 – 1923.

	14.2	8.4 + 96 8.4 >
14:23:50	154 129 120 545 136	
	166	9.6 + 8.7 87 >
14:25 40	170 168 179 683 170	
	384	var with 8.1 Var 7
14:29 14	374 369 378 1505 376	
	80	8.1 – ~~99~~ 7.5 75 dis ~~7.5~~ 7
14 31 45	70 72 69 291 72	
		7.5 + 99 7.5 7
14:33 35	30.6 308 312 302 1222 / 305	

Sat Oct 27 1923

12:26 SS Cygni 213843 Est 11.1

Star questioned by Yalden

near 70 Regions of Z Oph

171401 is a real star.

1847
1819
28