1924phae.proj..658C

G
165
657

12

VARIABLE STAR

OBSERVATIONS.

SEPT. 24 to Feb. 25

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40 52

Tuesday Sept. 23. 1924

12' Prism / F.C. rec.

LG. obs

12:05	f. Cygni	213878	Est. 11-1
	B. R. Cygni	193846	
	Std B		Comp × Dis
12:26:30	3010		
	3600	590	
	120.2	65.6	
	185.8	124.6	+109
	3022		
	3522	500	+~~098~~ 104
	1237	530	
	1767	103.0	+098
	a		Mean = 094
	266		
	893	627	
	2070	676	
	2746	1303	+097
	240		
	974	734	+-084
	2050	700	
12:30:30	2750	1434	+071

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2

Sept 23 - 1924

	S. Vul.	194427	Comp * dis.
12 38. 15	~~Dud B~~		
	3129		
	3433	304	
	1360	264	
	1624	56.8	+298
	3200		
	3412	212	3.36
	1404	194	
	1598	406	+374
			Mean = + 3.06
	- @ -		
	444		
	737	293	
	2238	282	
	2520	57.5	296.
			276
	416		
	786	370	
	9262	312	257
12 42 50 42	2574	682	

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Sept 23 - 1924 -

Uranus

Sud ⊗

I

12 ~~5~~ 2 -

More passing clouds

12.54 - 10

288		
698	418	Uranus dis
2264	234	
2494	652	-2.67

508		
714	206	-316
2270	214	
2484	420	-366

1400		
1576	176	Mean -358
3188	160	
3348	336	-415

1384		
1588	204	-400
12 57 30 3198	180	
3378	384	-386

Comp ☆ used on this & previous occasions = ☆ @ 23 h 19 m - 5° 25 m

(1855)

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Sept. 23–1924

13 08 30 →

-a-

1385		
1575	190	
3178	200	
3378	390	-38.2

II

1412		
1584	172	-4.04
3200	149	
3349	321	-425

-B.

Mean -373

2258		
2498	240	
462	253	
715	493	-330

2272		
2486	214	-342
13 12 30 486	230	
716	444	-354

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Sept 28 - 1924

III

	B-			
13:1930	498			
	749	251		
	2308	190		
	2498	441	-355-	
	468		382	
	747	279		
	2267	262		
	2529	541	310	
	A		Mean = -354	
	1368			
	1608	240		
	3147	208		
	3355	448	352	
	1402		377	
	1584	182		
	3188	170		
13 22 24	3358	352	402	

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Sept 23 / 24.

	a		
13 35 05	1398		
	1600	202	
	3170	205	
	3375	40,7	373

140.0

Cloudy over region.

Reject partial group.

Sky heavily cloudy.

Impossible to continue

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Wednesday Sept. 24 / 1924

L C Rs

I C. rec.

11:48	δ Cygni	213843	Eest 11 – 1
	B. R Cygni	193846	
	Ind – B	Comp. + dis	
11 58 50	3080		
	3509	429	
	1282	420	
	1702	849	+2.9.5
			I
	3100		
	3506	406	+2.16
	1302	364	
	1666	77.0	+228
	– a –		Mean = 177
	320		
	812	492	
	2116	524	
	2640	101.6	+162
	~~2 6 7~~		
	30.4		+138
	906	602	
	2055	617	
12 02 30	2672	121.9	*115

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Sept 24 / 24

	67	Da da		
12 [illegible]45'		324	600	II
		924	622	
		4098	1222	+11.4
		2720		
		73.		
		31.8		
		872	554	128
		210.4	547	
		265 1	110.1	142
		B		mean = +114
		1296		
		1678	382	
		3097	403	
		3560	78.5	224
		1318		
		1680	362	220
		3087	453	
12- 11 48		3540	81.5	215

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September 24—1924.

II

	B			
12 19.10	1264			
	1710	446		
	3094	372		
	3466	81.8	+2.14	
	1312			
	1644	332	+236	
	3140	342		
	3482	674	259	
	a		Mean = +.190	
	2134			
	2630	496		
	~~3~~348	524		
	872	102.0	+161	
	2094		+145	
	2682	588		
	312	570		
12 23.10	872	115.8	129	

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Sept 24 — 1924

				IV
	a			
12 31:20	2098			
	2620	522		
	288	564		
	852	1086	+145	
	2128		+151	
	2655	527		
	340	508		
	848	1035	+157	
				191
	B		Mean = + ~~296~~	
	3124			
	3478	354		
	1308	391		
	1699	745	+236	
	3130		+240	
	3488	358		
	1304	362		
12:34 m	1666	720	X244	

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Sept 24 / 24

	B.			D
	~~D~~ ~~B~~			
12 45:40	3132			
	3422	290		
	1322	327		
	1659	627	+276	
	3104			
	3458	354	+262	
	1309	350		
	1659	704	+249	
	A-		Mean = +211	
	3 14			
	844	530		
	2130	544		
	2674	1074	+148	
	384		160	
	849	465		
	2140	512		
12 50 n	2652	977	+172	

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Sept 24 / 24

	a		
12 37 15			
	352		
	862	510	
	2153	450	
	2603	961.0	+176
	376		
	833	457	
	2137	461	
	2598	91.8	+187
	[illegible]		Mean = +2.20
	1306		
	1640	334	
	3108	366	
	3474	70.0	+2.51
	1330		+2.58
	1633	303	
	3115	355	
17 01 45	3470	65.8	2.65

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Sept. 24 - 1924

B-

13 -23 | 1246
1642 396
3132 289
3421 685 ×256

1338
1697 359
3118 320
3438 679

×257

×258

@

Lost Image

See next page

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Sept 24, 1924

	Std. B.		
3:26.0	3128		
	3433	305	
	1358	310	
	1668	615	+2.8d
	3138		
	3460	322	+282
	1368	280	
	1648	602	+285
	@		Mean +2.41
	35.9		
	812	453	
	2198	420	
	2618	873	+1.99
	38.7		
	804	417	+2.00
	2148	450	
13 29 50	2598	867	200

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Sept 24 - 1924.

=

13 45 00	a -			
13 43 25	2160			
	2576	416		
	364	480		
	844	89.6	+192	
	2156			
	2584	428	196	
	364	442		
	886	87.0	200	
	B -		Mean = + 226.	
	3118			
	3414	296		
	1336	332		
	1668	62.8	276	
	3058.			
	3428	370	256	
	1312	376		
13 49 20	1688	746	236	

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Sept 24 – 1924

	B.		A.
LE 10 1 50	3052		
	3484	432	
	1302	380	
	1682	81.2	+2.16
	3106		
	3468	362	+2.33
	1344	340	
	1684	70.2	+2.50
	a		Mean +2.04
	384		
	866	482	
	2133	460	
	2593	942	+1.80.
	354		+1.76
	818	464	
	2128	505	
14 10 6 10	2633	969	+1.73

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Sept 24 – 1924

	a-		
14 14 25	358		
	858	500	
	2097	518	
	2615	1018	+1.61
	400		+1.69
	852	452	
	2937	503	
	2640	955	+1.77
	73.		Mean +1.85
	1269		
	1739	470	
	3086	442	
	3528	912	+1.88
			+2.01
	1284		
	1692	408	
	3076	412	
14 18 20	3488	820	2.14

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Sept 24 / 24.

	B-			XI
14.28.30	1298			
	1718	420		
	3076	422		
	3498	84.29	+207	
	1294			
	1718	424	+208	
	3088	412		
	3500	83.6	+209	
			Mean = + 1.78	
	-@-			
	2092			
	2638	546		
	308	541		
	849	1087	+145	
	214.4			
	2654	510	+148	
	293	545		
14.32.35	838	103.3	+152	

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Thursday Sept 25 - 1924 -

~~Poor.~~ 12" Polar

New Comet observed in 6' Post Telescope ; fairly bright nucleus with faint short tail.

12'12 Ld. Aqr. 213843 Est 11-2 Phot R.

Uranus U. dis

Und a I

12.1945 ~~1988~~

0.3

188 185

1808 178

1986 363 ~~+~~398

09

178 169 ~~+~~406

1808 169 Mean = -407

1977 338 +414

B.

2698

2892 194

912 160

1072 334 -404

2688

2889 201 -408

922 138

12 25.15 1060 339 -413

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Sept 25/24

	B			II
12 30 45'	2723			
	2874	151		
	911	158		
	1069	309	-434	
	2732			
	2864	132	-438	
	906	166		
	1072	298	-442	
	+a -		Mean = 427	
	1818			
	1976	158		
	03	180		
	183	338	-414	
	1809			
	1973	164	416	
	00	170		
12 36 15'	170	334	417	

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Sept 25 – 1924

	a			III
12 41 00	18 21			
	19 82	161		
	16	162		
	1.78	323	42.4	
	18 18			
	19 74	156	-423	
	00	169		
	169	325	-422	
			Mean = - 425	
	9 18			
	10 80	162		
	27 10	168		
	28 78	330	4.19	
	9 30		-427	
	10 63	133		
	27 06	174		
12 45 35	28 80	30.7	435	

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Sept. 25 - 1924.

	B.			IV
12 51 - 10	922			
	106.2	140		
	2713	161		
	2874	301	-4.40	
	912			
	1059	147	-4.41	
	2722	151		
	2873	29.8	-442	
	A		Mean = - 432	
	2.0			
	174	154		
	1824	132		
	1956	28.6	-45.1	
			4.23	
	1.0			
	188	178	45.8	
	1802	191		
12 5-6 m	1993	~~287~~	~~464~~	
		36.9	3.95	

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Sept 25/24

	a			V
12 04 00	12			
	180	168		
	1789	180		
	1969	348	408	
	08		406	
	180	172		
	1804	184		
	1988	356	403	
	PB.		Mean = 422	
	2726			
	2886	160		
	922	140		
	1062	300	4,40	
	2718		440	
	2878	160		
	927	140		
12 10 40	1067	300	440	

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Sept 25/24

	Pb			
13:14:45'	2718			VI
	2887	169		
	922	160		
	1082	329	-4.20	
	2708			
	2864	156	422	
	966	166		
	1072	322	-425	
	a		Mean -416	
	1796			
	1996	200		
	27	161		
	188	361	-400	
	1808			
	1980	172	409	
	17	160		
13 19 05	177	332	418	

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Sept 25/24

	a			
13 30 29	180.8			VII
	1984	176		
	04	178		
	182	354	-404	
	180.0		-402	
	1979	179		
	09	179		
	188	358	-401	
	930		Mean = -420	
	1072	139		
	2722	148		
	2870	287	-450	
	2700			
	2887	187	-438	
	933	135		
13 34 30	1068	322	-425	

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Sept 25/24

B

13:45:40 92.2
1678 156
2708 186
2894 342 -411

923
1678 155 402
2704 216
2920 371 -393

a Mean = 416

1.6
200 184
1896 108
2004 292 446

00
179 179 430
1812 157
13 30 10 1969 336 415

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1924phae.proj..658C

Sept 25 1924

	a			
				X
B 15 8.02	00			
	177	177		
	1812	172		
	1994	349	-407	
	20			
	192	172	-408	
	1822	176		
	1998	348	-408	
	B		Mean -41.8	
	270.0			
	2888	188		
	1920	149		
	~~2702~~	337	-415	
	1069			
	2709			
	2884	175	-418	
	911	153		
14 04 00	1064	328	-421	

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Sept 25 1924

14

14 18 05

B.

2700		
2896	196	
920	149	
1069	345	410

2708		
2884	176	414
928	158	
1086	334	417

Mean = 407

A.

1803		
2000	197	
26	162	
188	359	-401

1798.		
1998	208	-398
17	170	
187	378	-394

14 18 30

Comp * = * @ 23 17 - 5° 3 min (1855)

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Saturday Sept 27 - 1924

11h hs				
12.17	L Hydrae	213843	Est 11-1	✓ F C rc
			Phot R	
	Means	—	Same comps as on Thurs Exp	
	Ord-B	Means Dis		
12.21 m	181.8			
	1980	162		I
	3.3	127		
	160	28.9	−4.48	
	1820		−450	
	1963	143		
	2.4	140		
	164	28.3	453	
	a			
	91.4		Mean = −433	
	1074	160		
	271.6	150		
	2866	31.0	−4.33	
	91.5			
	1082	167	416	
	2692	194		
12.26 m	2886	36.1	400	

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Sept 27 - 1924

	Red a			
12 : 32.00	92.4			II
	1072	148		
	2692	186		
	2878	33.4	-4.17	
	92.4			
	1047	123	-438	
	2724	15.2		
	2876	27.5	-459	
	B		Mean = -458	
	4.0			
	159	119		
	1812	138		
	1950	25.7	474	
	2.6			
	172	146	462	
	1828	140		
12- 3700	1968	28.6	457	

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1924phae.proj..658C

Sept 27 – P24

B

12 44 05	38		
	150	1.12	
	182.4	130	
	1954	24.2	-487

4.3		
163	120	-478
181.8	144	
1962	26.4	-468

A

Mean = -,461

2722		
2844	122	
924	139	
1063	26.1	-47.1

2718		
2885	170	454
930	135	
12 49:10 1065	30.5	437

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Sept 27/24

	a			
12:58.50	2702			
	2884	182		
	924	188		
	1112	37.0	39.4	
	2736			
	2876	140	400	
	928	211		
	1136	35.1	406	
	B.		Mean =	435
	1824			
	1945	121		
	2.4	130		
	154	23.1	49.8	
	1814			
	1956	142	470	
	1.3	156		
13 04.25	169	29.8	447	

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~~Sept~~ Sept. 27 - 1924

	B -			V
13 ; 14 ; 0	180.1			
	1977	176		
	02.5	141		
	166	31.7	-4.28	
	1815		38	
	1968	153	.405	
	01.8	137	448	
	155	29.0	382	
				4.21
	a		mean	~~4.61~~
	914			
	1078	164		
	2709	189		
	2898	35.3	404	
	914		.404	
	1088	174		
13:18:35	2706	182		
	2888	356	-403	

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1924phae.proj..658C

Sept 27 - 1924.

	a			
13 33 10	92.2			VI
	1064	142		
	2784	149		
	2883	291	-447	
	912			
	1070	158	-438	
	2722	158		
	2880	31.6	-429	
	B.		Mean =	447
	21			
	158	137		
	1828	150		
	1978	28.7	45.0	
	18			
	150	132	45.6	
	1824	140		
13 37 40	1964	27.2	462	

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1924phae.proj..658C

Sept 27-1924

~~VIII~~ (7)

B

13:47:45 180.2
1979 177
2.1 141
162 31.8 427

180.1 .432
1958 157
1.5 147
162 30.4 437

Mean = −4.26

A

9.2
11074 162
2708 194
2902 35.6 −4.03

915 −4.19
1067 152
2722 156
13:52:35 2878 308 435

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1924phae.proj..658C

Sept 27 — 1924.

	a-		
14:09-35	92.0		
	1078	158	
	2714	160	
	2874	318	-427
	922		
	1078	156	420
	2704	184	
	2888	340	413
	B.		Mean = 430.
	2.6		
	158	132	
	1802	168	
	1970	300	440.
	1.2		
	169	157	440
	1836	142	
14 13 55	1978	29.9	441

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1924phae.proj..658C

GMT

Wednesday October 1st 1924

12" Polar

h m s | | | h m s.sec.

17 09-	S.S.Leyni	213843	Est. 11-1 ✓
	Uranus	dv. dis-	Phot P. I
	Red-9		
12:24:15	3196		
	3396	200	
	1398	190	
	1588	390	-3.82
	3186		
	3398	212	-3.72
	1394	214	
	1608	426	-363
	VB.		Mean = -335
	460		
	740	280	
	2224	302	
	2526	582	-293
	482		
	742	260	-298
	2218	296	
12:28:32	2514	556	-303
12 26 22	Comp	✱ =	✱ @ 5h = 9.A. 23h 15m
	-5.50'	(1855)	

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1924phae.proj..658C

Oct 1 - 1924

	B-			II
12;33 35	468			
	733	265		
	2222	336		
	2558	601	-2.86	
	433			
	743	310	-298	
	2276	226		
	2502	536	311	
	a-		mean - 338	
	1394			
	1574	180		
	3178	200		
	3378	380	388	
	1374			
	1574	200	-377	
	3182	220		
12 37 20	3402	420	-366	
12 35 28				

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1924phae.proj..658C

Oct 1 – 1924

	R			
12 43 35	1372			
	1599	227		
	3152	260		III
	3412	487	-333	
	1371		-350	
	1587	216		
	3172	202		
	3374	418	-367	
	B.		Mean = -325	
	2273			
	2530	257		
	478	270		
	748	527	-315	
	2219			
	2552	333	-300	
	447	267		
12 49 10	714	600	-286	
12 45 18				

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1924phae.proj..658C

Oct 1– 1924

	B.			
12 : 52 : 05	2246			IV
	2522	276		
	449	307		
	756	583	-2.93	
	2264		-3.07	
	2504	240		
	460	274		
	734	514	321	
	A		Mean - --	329
	3166			
	3376	210		
	1368	210		
	1578	420	-3.66.	
	3166			
	3416	250	351	
	1364	230		
12 55 40	1594	480	336	
12 53 52				

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1924phae.proj. . 658C

Oct 1 – 1924

	a			
13 02 40	3145			V
	3415	270		
	1376	212		
	1588	48.2	3.35	
	3204		362	
	3396	192		
	1396	186		
	1582	37.8	389	
	TB.		Mean — 337	
	494			
	705	211		
	2276	241		
	2517	451	350	
			312	
	444			
	728	284		
	2230	350		
13 06 20	2580	63.4	273	
13 04 30				

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1924phae.proj..658C

42

Oct-1-1924.

B.

13-14 30

45.6
756 300
2269 280
2542 58.8

29.4

474
702 228
2288 230
2518 45.8

-320

347

Mean = -336

A.

3178
3410 232
1382 204
1586 436

-358

3182
3413 231
1363 233
1596 464

-351

-344

13:17:45

13:15:08

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1924phae..proj..658C

Oct 1 - 1924 -

VII

	a			
13 56 m	3136			
	3396	260		
	1356	254		
	1610	514	-321	
	3194			
	3386	192	-356	
	1402	184		
	1586	376	-391	
	B.		Mean = 334	
	484			
	714	230		
	2302	224		
	2526	454	-349	
	474			
	760	286	-311	
	2224	354		
13 37 10	2574	613.6	-273	
(3 5) 35				

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1924phae.proj..658C

Oct-1-1924

	B-			VIII
14-19.45	464			
	718	254		
	2236	260		
	2496	514	-321	
	466			
	748	282	-314	
	2252	262		
	2514	544	-308	
	A-		Mean = -330	
	1386			
	1589	203		
	3182	234		
	3416	437	-357	
	1388		-347	
	1612	224	~~357~~	
	3146	254		
14 23.40	3400	478	-337	
14 21 42				

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1924phae.proj..658C

Oct 1 – 1924

	A			IX
14 32.25	137.6			
	160 6	230		
	315 9	239		
	339 8	469	−3.41	
			3.56	
	139 2	1		
	159 0	298	~~332~~	
	318 7	211	372	
	339 8	509	~~354~~	
	B		Mean = −.338	
	2268			
	2538	270		
	455	263		
	718	533	−313	
	2244			
	2528	284	−306	
	448	284		
14 36.10	732	568	−2.98	
14 34 12				

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1924phae.proj..658C

Oct 1/24

X

	B		
14 49.50	2238		
	2568	330	
	449	295	
	724	60.5	−284
	2286		
	2518	232	−306
	447	267	
	714	49.9	−328
	a.		Mean −331
	3168		
	3378	210	
	1386	216	
	1602	42.6	−363
	3147		
	3374	227	−356
	1389	227	
14 53 05	1616	45.4	−349
14 51 28			

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1924phae..proj...658C

Oct. 1/1924

5	a			XI
14 ~~8~~50	3160			
	3888	228		
	1374	240		
	1614	468	−342	
	3150		−349	
	3378	228		
	1386	212		
	1598	440	−356	
	Bb.		Mean 328	
	477			
	702	225		
	2264	270		
	2534	495	−329	
	468			
	738	270	−308	
	2238	324		
15 02 30	2562	594	−288	
15 00 40				

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1924phae.proj..658C

Thursday Oct 2. 1924

12' Polar

F / Grec.

L b hs			
12 - 58 -	δ Ligni	213843.	Est 11 - 1
	B		
	Wrams -	- Same comp ☆ as last night	
	Dec -	Photometer S.	
13: 02:20	1388	~~1388~~	W. dis
	1886	198	
	3148	248	
	3396	44.6	-35.3
	1358		
	1588	230	-352
	3163	220	
	3383	45.8	-351
	R		
	2224		Mean = 31.2
	260.8	384	
	448	309	
	757	69.3	-253
	2256		
	2556	300	-271
	450	294	
13 06 25	744	59.4	-289

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1924phae.proj..658C

October 2 - 1924

	Dec			
13 10 50	2240			II
	2534	294		
	446	294		
	740	588	2.91	
			264	
	2236			
	2574	338		
	394	404		
	798	742	237	
	Dec.		Mean =	306
	3176			
	3396	220		
	1398	190		
	1588	410	371	
			3.48	
	3188			
	3398	210		
	1399	295	325	
13 15 15	1594	505		

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1924phae.proj..658C

Oct 2/24

~~Dec~~

13 24 05	3177 (B)			
	3400	223		III
	1378	230		
	1608	45.3	− 3.49	
	3188			
	3398	210	− 358	
	1378	210		
	1588	42.0	− 366	
	a −			
	466			
	736	270	Mean = 32.9	
	2234	300		
	2534	57.0	− 298	
	487		− 300	
	738	256		
	2248	300		
13 28 00	2548	556	− 303	

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1924phae.proj..658C

Oct 2 - 1924

IV

	a			
13: 36 12	46,4			
	730	266		
	2252	278		
	2530	544	−308	
	474			
	714	240	−309	
	2238	300		
	2538	540	−310	
	TB.		Mean = −	3.44
	1349			
	1494	145		
	3158	226		
	3384	371	−393	
	1384			
	1584	200	−379	
	3176	222		
13 39 55	3398	422	−365	

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1924phae.proj..658C

Oct 2 - 1924

	B		V
13 47.20	1378		
	1586	208	
	3204	210	
	3414	418	367
	1382		
	1596	214	362
	3162	224	
	3386	438	357
	A		Mean - 324.
	2250		
	2540	290	
	448	310	
	758	600	-286.
	2262		
	2568	306	-286
	448	292	
13.51.25	740	598	-287

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1924phae.proj..058c

Oct 2 - 1924 -

	@ -			VI
14:00 30	2262			
	2544	282		
	466	272		
	738	554	-304	
	2248			
	2536	288	-299	
	456	292		
	748	580	-294	
	- B -		Mean =	320
	3152			
	3438	286		
	1378	250		
	2128	536	-311	
	3208			
	3404	196	340	
	1372	220		
14 54:0	1592	416	368	

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1924phae.proj..658C

Oct 2 - 1924

VII

	72.		
14:12:40	3156		
	3397	241	
	1397	225	
	1622	46.6	-343
	3194		
	3400	206	-359
	1400	198	
	1598	40.4	-375
	Q		Mean 322
	474		
	744	270	
	2236	308	
	2544	57.8	294
	440		
	738	298	-286
	2228	320	
14:16:15	2548	11.8	-279

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1924phae.proj - 658C

Oct 2–1924

	a			UT
14h 9m 30s	45·5			
	748	293		
	2244	300		
	2544	593	−2,89	
	438			
	738	300	−285	
	2250	312		
	2562	612	281−	
	BB.		Mean = − 3,30	
	1387			
	1584	197		
	3188	189		
	3377	386	385−	
	1402			
	1590	188	376	
	3176	230		
14 31 15	3406	418	3,67	

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1924phae.proj..658C

- Oct 2 - 1924 -

45	B -		
14 ~~46~~ 45	1378		
	1598	220	
	3172	230	
	3402	450	351
	1384		
	1592	208	304
	3156	230	
	3386	438	357
	- @ -		mean = 332
	2248		
	2524	276	
	468	252	
	720	528	315
	2238		310
	2508	270	
	466	282	
14 49 00	748	552	305

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1924phae.proj..658C

Friday Oct 3-1924

12 Polar

L.C. obs			
12-05	δ. Cygni	213843.	Est 11-2
12'16	V. Delphini	204318	Var 11.0 Identification on 10° scale chart appears to be correct. Stars S. + t. should be rated as 1 mag. fainter as now indicated
	Uranus.		Phot 1
	Dark B		Same comp ✱ as in last 2 nights
12 21'0	~~1588~~		
	1398		
	1598	200	
	3188	206	8.74
	3394	406	
	1388		
	1586	198	-365
	3174	242	
	3416	440	-356
	-a		
	2238		
	2526	288	Mean = -329.
	444	320	
	764	608	-283
	2228		
	2514	286	293
	478	270	
12-25.03	748	556	303

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1924phae.proj..658C

58

Oct 3/1924

II

	a		
12:4':20	2222		
	2488	266	
	452	278	
	730	544	-208
	2256		
	2514	258	-308
	448	285	
	733	543	-309
	B.		Mean = 346
	3198		
	3386	188	
	1376	232	
	1668	420	366.
	3222		
	3386	164	384
	1378	194	
12:48'0	1512	358	401

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1924phae.proj.-658C

Oct 3/24—

	B		
B 0310	3188		
	3418	230	
	1384	200	
	1584	430	361
	3173		360
	3382	209	
	1382	222	
	1604	431	360
	-a-		Mean = 339
	455		
	730	275	
	2242	272	
	2514	547	317
	484		318
	733	249	
	2273	249	
1386.50	2522	498	328

Sky too foggy. Lens too much dewed & continuing further.

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1924phae.proj..658C

Sun Oct 12/24

12" Star

11	30	RCrB	15 44 27	et f. ✓
11	32	SS Cyg	21 39 03	et 11.6
11	38	WX Cyg	20 14 37	et 10.6

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1924phae..proj..658C

Tuesday Oct. 14 - 1924 -

L. b. hrs				L. b. res.
12:0:0	S.D. Lyrae	213843.	Est. 11-2	✓
12 1-0	R. Cor. Bor.	154428	Est 8 3	✓
	Wedge - B	W. div	Photometer I.	I
12:07:10	2978			
	3542	564		
	1238	306		
	1744	107.0	-1.49	
	2968			
	3588	620	-132	
	1202	398		
	1800	121.8	-115	
	a			
	219			
	996	777	Mean = 092	
	1042	706		
	2748	1483	061	
	218			
	984	766	051	
	1977	820		
12-1035	2797	1586	-041	

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1924phae.proj..658C

Oct 14 - 1924.

	a.			
12:18:45	21.2			
	972	760		II
	2013	742		
	2755	150.2	-057	
	18.4		-046	
	984	800		
	2002	814		
	2816	1614	-035	
	β.		Mean = -084	
	1206			
	1844	638		
	2944	654		
	3598	129.2	1.00	
	1204		-1.22	
	1766	562		
	3030	528		
12 22 10	3558	1090	-144	

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1924phae.proj..658C

Oct 14 – 1924

	B-			III
12.30 40	1206			
	1800	5-94		
	2962	600		
	2562	119.4	-1.21	
	1214			
	1849	635	-114	
	2969	619		
	3588	125.4	-108	
	-A-		Mean = -080	
	2022			
	2762	740		
	190	808		
	998	154.8	-048	
	2033		-046	
	2798	765		
	222	802		
12 34 00	1024	1567	-044	

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1924phae.proj..658C

~~7h~~ October 14 – 1924

	a		
12:47 m	2012		IV
	2778	766	
	258	7294	
	952	~~+0~~ 6.0	~~-151~~
		15	-0.46
	2028		
	2788	760	-0.44
	189	826	
	1015	158.6	0.41
	7B.		Mean -0.69
	2982		
	3598	616	
	1108	716	
	1824	133.2	-0.91
	2994		-0.94
	3588	594	
	1154	714	
12:57:10	1868	1308	-096

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1924phae.proj..658C

October 14–1924

	B			V
13:05:715	3018			
	3578	560		
	1144	650		
	1794	1210	-11.7	
	3008			
	3549	541	-123	
	1162	617		
	1779	1158	-129	
	A		Mean =	-0.90
	958			
	1704	746		
	2034	734		
	2768	1480	-061	
	908			
	950	742	-056	
	2000	784		
13 10:45	2784	1526	-052	

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1924phae.proj..658C

October 14 1924

VI

	a		
18; 19 m	208		
	978	770	
	2059	671	
	2730	1441	075
	214		
	964	760	-067
	2038	734	
	2772	1494	-059
	Bz.		Mean 098
	1224		
	1806	582	
	2956	644	
	3600	1226	-114
	1224		
	1752	528	-130
	3032	557	
13 22.20	3589	1085	145
13 20 40			

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1924phae.proj..658C

October 14 - 1924 -

VII

88.

13:34:15	1240		
	1794	554	
	2038	510	
	3548	1064	-150
	1215		
	1792	577	-140
	3010	568	
	3578	1145	-131.

a.

Mean = -100

2064		
2774	710	
235	721	
956	1431	-071
2018		
2752	734	-060
182	802	
984	1536	-050

183740

13 3658

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October 14–1924.

TX

	a		
13 : 53 00	2004		
	2740	736	
	244	722	
	966	1458	-066
	2008		-033
	2738	730	
	188	860	
	1048	1590	-040
	D		Mean = -070
	2962		
	3632	670	
	1114	694	
	1808	1364	085
	2968		-088
	3617	649	
	1652	686	
13 56 20	1848	1335	091
13 54 40			

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1924phae.proj..658C

October 14, 1924

X

	B		
14.0600	2952		
	3579	627	
	1166	656	
	1822	1283	-1.01
	2962		
	3612	650	-096
	1128	690	
	1818	1340	-090
			mean = -082
	180		
	1042	862	
	1972	768	
	2740	1630	
	248		-032
	908	660	
	2100.4	~~540~~	-068
14 09 45	~~2644~~	~~1200~~	
15 05	2709		
(40) 52		605	
		1265	-105

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October 14/24.

XI

	a.		
14i 18:20	17.1		
	971	800	
	2050	668	
	2718	1468	064
	188		
	968	780	-060
	2038	731	
	2769	1511	055
	TB.		Mean. 087
	1192		
	1838	646	
	2943	660	
	3603	1306	-097.
	1184		-114
	1794	610	
	3028	540	
14 21 30	3568	1150	-130
39 30			
14 19 55			

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1924phae.proj..658C

Thursday Oct 16 – 924

D' Plan

L b ha

L C w

12 · 25 LL Cygni 213843. Est 11 — 1

Observation very difficult on acct of murky Sky.

12 - 22 V. X. Cygni 201437 Est 10.6

Sky too murky to continue to advantage.

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72

Friday Oct 17 - 1924

12' Polar

Glares

11-55	Sf Eggie	21384	Est 11-1
	Too cloudy & too low in West for R Coronae.		
	R Cyg.	154428 -	
12:12	Su b	Post glass	Est 8.4
	Uranus:	U. des)	
	B	(Same comp + as last time = +@ -	
12:18:50	297.8	5° RA = 2314.0 - 528	
	3646	668	(1855)
	1164	654	
	1818	132.2	-0.93
	3050		
	3544	494	-129
	1254	508	
	1762	100.2	-165
	-A-		
	2.72		Mean = -100
	898	626	
	2068	690	
	2758	131.6	095
	144		
	1066	922	
	1939	913	-072
~~12 22~~	1852		
	196	770	
	966		
12:24-00	2008	770	
	2778		
		1540	-052

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1924phae..proj..658C

Oct 17 - 1924

	a		
12 20 45	198.0		
	2746	766	
	264	661	
	925	142.7	-0.72
	1972		-052
	2824	852	
	204	774	
	978	162.6	033
	TB.		Mean = 077
	3004		
	3666	662	
	1122	655	
	1777	131.7	094
	2960		
	3602	642	102
	1166	601	
12 33 45	1767	1243	110

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1924phae.proj..658C

74

Oct 17 – 1924

	B.			III
12:35 45	2962			
	3582	620		
	1206	541		
	1747	1161	– 128	
	2976			
	3556	580	– 134	
	1224	531		
	1755	1111	– 139	
	A		Mean 092	
	226			
	964	738		
	1933	828		
	2761	1566	– 045	
	234			
	936	702	– 050	
	1988	805		
12 38.35	2793	1507	– 056	

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1924phae..proj..658C

Oct 17 – 1924

				IV
	a			
12 22 10	200			
	916	716		
	2043	675		
	2718	1391	079	
	196			
	955	759	-066	
	2016	770		
	2786	1529	052	
	B		Mean -096	
	1180			
	1808	628		
	2026	550		
	3576	1178	-124	
	1212			
	1774	562	-125	
	2994	608		
12 55 20	3602	1170	-126	

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1924phae.proj..6586

76

Oct 17 - 1924 -

	B.		
13 : 09 : 0	119.4		
	175 4	560	
	297 1	65 1	
	362 2	121.1	~117
	117.2		- 111
	178 7	615	
	296 4	65 0	
	361 4	126.5	~105
	A		Mean = -084
	1990		
	2782	792	
	222	75 8	
	980	153.0	~048
	2010		=056
	2787	777	
	270	685	
13 12:00	955	146.2	~065

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1924phae.proj..6586

Oct 17 - 1924 -

VI

	A-			
13:27.30	204.0			
	2736	696		
	270	627		
	897	1323	093	
	2036			
	2786	750	082	
	248	686		
	934	1436	070	
	TB-		Mean = - - - 080	
	2962			
	3618	656		
	1156	674		
	1820	1330	092	~~092~~
	2952		090	
	3652	700		
	1194	650		
13 30 20	1844	1350	-088	

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1924phae.proj..658c

78

Oct 19 - 1924.

VII

	73.		
13:45 - :15	~~84~~		
	1188		
	1828	640	
	2933	767	
	3700	1497	-076
	1169		
	1824	655	-072
	3018	598	
	3616	1253	-108
	@		Mean -079.
	2000		
	2752	752	
	272	650	
	922	1402	-077.
	2042		
	2743	701	-066
	240	714	
13 4838	954	1515	-055

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1924phae.proj..658C

Oct 17 — 1924 —

T	A.		
14:0:20	209.2		
	2722	630	
	290	614	
	904	1244	110
	207.7		
	2747	670	−103
	248	640	
	88.8	1310	−096
			100 / 096
	B.		Mean −
	2990		
	3630	640	
	1178	666	
	1844	1306	−097
	2966		
	3606	640	−098
	1153	655	
14:05:30	1818	1295	099

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1924phae.proj..658C

Oct 17 1924

	73			D
14h 08m35s	2980			
	3648	668		
	1172	624		
	1796	1292	−100	
	2956			
	3622	666	−101	
	1210	614		
	1824	1280	−102	
	a		Mean = 092	
	272			
	928	656		
	2033	730		
	2763	1386	088	
	234			
	924	690	082	
	2082	674		
14 12m55s	2756	1364	085	

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1924phae.proj..658C

Oct 17 - 1924

1	a		X
14:1800	233.		
	898	665	
	2072	640	
	2712	1305	097
	234		0 083
	944	710	
	2014	734	
	2748	1444	069
			Mean = - 0.84
	1123		
	1862	739	
	2922	731	
	3653	1470	063
	1204		-084
	1833	629	
	2043	591	
14 21.00	3594	1220	115

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1924phae.proj..658C

Oct 17 - 1924.

	B		
14-32-16	1190		
	1845	655	
	3037	575	
	3612	1230	-113
	1166		
	1848	682	-100
	2958	675	
	3633	1357	086
	a		Mean-096
	1982		
	2772	790	
	287	678	
	957	1468	~~046~~ 065
	2114		
	2684	570	092
	252	632	
14 3500	884	1202	119

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1924phae.proj. . 658C

Oct 17 - 1924

XII

	a			
14:52:00	1990			
	2702	712		
	248	710		
	958	1422	073	
	1986			
	2749	763	062	
	198	772		
	970	1535	-051	
	08.		Mean - -091	
	2936			
	8572	636		
	1208	610		
	1818	246	109	
	2988			
	3570	582	120	
	1198	571		
14 55 45	1769	1153	131	

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1924phae.proj..658C

Monday Oct 20 1924

L. C. obs. — F. C. rec

12 15	Sdgyni	213843	Est. 11-3
	RZ Drac.	18258	Photometer T.
12	Ind B	comp. star dis.	
12:33	Roof cuts off the field		
	Telescope to me bound.		
	RY Persei	23947	comp star dis
13.	Ind B		
13 00 00	2174		
	2618	444	
	374	484	
	858	928	+1,84
	2152		
	2608	456	+1.80
	358	497	
	855	953	+177
	Q		Mean = +2.12
	3077		
	3462	385	
	1313	342	
	1655	727	+242
	2082		+2,44
	3448	366	
13 -0330	1320	344	+247
	1664	710	comp x = Star @ 2h 33m +47°-33
			(1855)

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1924phae.proj..658C

Oct. 20. 1924

	A			
13:06:50	3098			II
	3468	370		
	1322	376		
	1698	74.6	+2.36	
	3074			
	3472	398	+234	
	1327	35-7		
	1684	75.5	+233	
	B		Mean = +2.02	
	377			
	858	481		
	2148	490		
	2638	97.1	+173	
	374			
	858	484	+1.70	
13:09:35	2150	505		
	2555	98.9	+168	

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1924phae.proj..658c

86

Oct 20 1924

	Pb.			III
13:12 10	363			
	868	505		
	2153	465		
	2618	97.0	173	
	348			
	840	492	179	
	2179	433		
	2612	92.5	185	
	a		Mean = + 206	
	1303			
	1673	370		
	3164	370		
	3474	740	238.	
	1329			
	1679	350	+232	
	3056	430		
13:15:30	3486	78.0	+225	
	Observed dec = + 46.0			

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1924phae..proj..658C

Wednesday Oct 22 – 1924

12. 0 Pier.

L. C obs				L. C rec.
12:14	δ Cygni	21843	Est 11 – 1 ✓	10
	R.Y. Persei	023947	Comp + Div.	
	-78			
12:21:0	2126			
	2628	502		
	378	429		
	807	93.1	+1,83	
	216.6			
	2610	444	196	
	387	397		
	784	84.1	+208	
	a-		Mean = +224	
	3122			
	3424	302		
	1317	349		
	1666	63.1	267	
	3068			
	3468	400	+251	
19 24 20	1340	348		
	1688	74.8	235	

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1924phae.proj..658C

October 22 - 1924

	a		
12 27 55	3044		
	3504	460	
	1309	365	
	1674	825	+212
	3110		+233
	3466	356	
	1338	334	
	1672	690	+254
	B		Mean = + +21,4
	374		
	827	453	
	2159	455	
	2614	908	+189.
	388		
	816	428	+195
	2184	435	
	2619	863	+201
12 13 37			

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1924phae..proj..658C

October 22 - 1924

B.

13:05:20

352		
822	470	
2157	417	
2574	887	+195
~~1362~~		

A

1362		
1704	442	
3068	400	
3468	842	207

198

Mean = +202

A

1314		
1670	356	
3068	416	
3484	772	228

218

B

2174		
2628	454	
384	415	
799	869	200

13:09:20

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1924phae.proj..658C

Oct 22, 924.

	B.		
13 21-00	218.2		
	2588	406	
	362	474	
	836	88.0	+197
	2149		+198
	2612	463	
	406	407	
	813	87.0	+200
	-Q-		Mean = +2.22
	3106		
	3464	358	
	1348	315	
	1663	673	+260.
	3066		
	3459	393	+246
	1328	364	
13 24 35	1692	757	+232

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1924phae.proj..658C

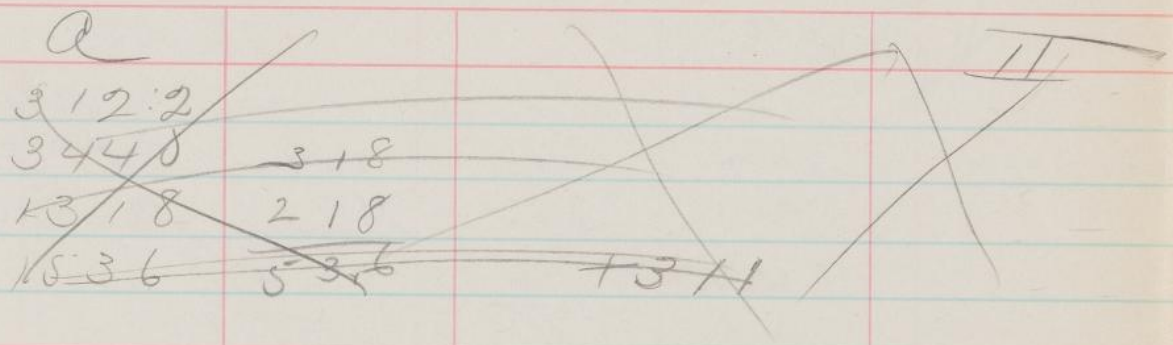
October 22 - 1924

	R.V. Per.		Phot T. curved line
	Sud B	Variable is the middle of 3 * s	
14h 04m 00s	2214	and is brightest of the 3 -	
	2527	313	Comp * = * @ 4h 9m + 42° 2' (855)
	462	276	
	738	589	+ 290
	2198		Comp + less
	2538	340	268
	402	370	
	772	710	247.
	-a-		mean = + 278
	311.7		
	3464	347	
	1386	236	
	1622	583	293
			289
	2189		
	3442	333	
	1367	270	
14 08 45	1637	603	285

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1924phae.proj..658C

Oct 22 – 1924



Stars jumped out of field.

a

RW Per II

14: 41:20

2217		
2527	310	
420	335	
755	645	+269
2174		
2544	370	+256
404	351	
755	721	+244

B

mean = 268

3104		
3409	305	
1367	273	
1640	578	+294
3106		+280
3455	349	
1330	308	
1638	657	+265

14: 45 10

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1924phae.proj..658C

Oct 22 - 1924

16

	B-		
14 32 00	41.8		
	768	350	
	2214	356	
	2570	70.6	+249
	424		+261
	744	320	
	2206	316	
	2522	63.6	+273
	A		Mean = +264
	1347		
	1642	295	
	3078	344	
	3422	63.9	+272
	1348		
	1679	331	+268
	3088	326	
14 55 00	3414	65.7	265
	0 Cet.		

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1924phae.proj..658C

Oct 22 - 1924

	o Ceti	021403	Photometer R.
	A and B:	variable stars.	
~~N~~: 15 00 00	662		
	1402	800	
	2390	850	
	3240	1650	-029
	620		
	1314	694	-046
	2422	782	
	3204	1476	-062
			9 N 9
	a.		mean -049
	3318		~~8~~
	4082	764	870
	1585	797	
	2382	1561	046
	3326		
	4064	738	052
	1484	762	
15 0335	2246	1500	058

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1924phae.proj..658C

Thursday Oct-23-1924

12' Polar.

L. b bo

F. b. rec

11:58:20	L.S. Aqui	213843	Est 8-7	✓
	R Cor	154428		
12-03.	Do 6	in Post glass	Est 7.5	✓
	B R Aq	193846		I
	Sud I B.		Comp + Dec	
12:12:00	26.0			
	986	726		
	2006	701		
	2707	1427	+672	
	238			
	937	699	+676	
	2038	690		
	2728	1389	+080	
	a		Mean +112	
	1262			
	1744	482		
	3008	540		
	3548	1022	+160	
	1232			
	1778	546	+148	
	2998	579		
12 16:30	3577	1125	+136	

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1924phae.proj..658C

Oct 23 - 1924

	a			II
12 21-45	1208			
	1816	608		
	2974	636		
	3610	1244	+110	
	1256			
	1747	491	+134	
	3013	546		
	3563	1037	+157	
	-79-		Mean 111	
	2064			
	2700	636		
	248.	700		
	948	1336	+590.	
	2048			
	2752	704	+088	
	255	650		
12 25' 45	905'	1354	087	
12·36-10	Vr X Cyg	201437	Est 10-6	

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1924phae.proj..658C

Oct 23 - 1924.

Rayfar 023947 Plate I.

	Dud-B	Comp* dis	Phot V.	I
12:49:00	2172			
	2657	485		
	339	480		
	819	96.5	+174	
	2118			
	2584	466	+180	
	372	455		
	827	92.1	+186	
	a		Mean +204	
	3093			
	3493	400		
	1309	418		
	1727	81.8	214	
	3029			
	3429	400	+228	
	1333	330		
12-52 95	1663	73.0	+241	

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Oct 23- 1924.

	a			
13: 0 20	3058			II
	3468	410		
	1322	360		
	1682	770	228	
	3088			
	3498	410	216	
	1255	445		
	1700	855	204	
	Bo		mean = +206	
	40.8			
	850	442		
	2188	436		
	2624	878	+197	
	355			
	800	445	+196	
	2160	438		
13 04.00	2598	883	+196	

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Oct 23/24

	P.			
13·13 40	348			III
	818	470		
	2169	415		
	2584	885	+195	
	333			
	853	520	178	
	2128	494		
	2622	1014	162	
	-@-		Mean = +	189
	1296			
	1714	418		
	3034	500		
	3534	918	187	
	1205			
	1715	410	200	
	3078	410		
13 17 00	3488	820	214	

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1924phae.proj.658c

100

Oct 23 - 1924

	Q			IV
13: 19 20	1282			
	1708	426		
	3114	374		
	3488	80.0	+219	
	1284		+206	
	1724	440		
	3067	449		
	3516	889	+194	
	83.		Mean = + 194	
	2144			
	2644	500		
	3555	492		
	8477	992	+168.	
	2163			
	2598	435	+182	
	3555	450		
13: 23 00	8055	885	195	

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October 23 – 1924

13; 38–	R.K. Aud.	005&40	Est 124 ?	Ident. doubtful
	~~Aud~~ –			Phot. I.
X				
~~+3.~~	R.W. Per.	–		
	Aud – B			
13; 53 55	2249.	Comp. X dis		I
	2538	289		
	436	338		
	774	62.7	+276	
	2206		+260	
	2558	35-2		
	408	371		
	779	7.23	+243	
	-a-			
	3128		Mean = +280	
	3418	290		
	1344	25-8		
	1602	~~5-4.8~~	+307	
	3143			
	3475	332	+299	
	1370	25-4		
13 57:35	1624	5-8.6	+291	

Observations very diffcult on account of faultness of image.

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October 23, 1924

II

14 – 08 55	A-		
	3128		
	3422	294	
	1355	263	
	1618	35.7	+303
	3109		+288
	3439	330	
	1328	308	
	1636	63.8	+272
	B		Mean = +269
	418		
	798	380	
	2224	338	
	2562	71.8	+240
	415		
	772	357	+250
	2238	330	
14: 12 30	2568	68.7	+255

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1924phae.proj..658C

Oct 23 - 1924

				III
	B			
14: 20 00	456			
	748	292		
	2216	312		
	2528	604	+284	
	428			
	778	350	+264	
	2216	372		
	2588	722	243	
	A		Mean = + 278	
	1352			
	1668	316		
	3138	292		
	3430	608	283	
	1368			
	1640	272	+291	
	3128	294		
14: 23 30	3422	566	+299	

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1924phae.proj.658C

Oct. 23 - 1924.

Su air 9 44 30" Too far East at the present time.
Phot R.

	ρ Ceti	021403	
	Sup.a	Variable as	
~~14~~			
14: 35: 15"	1455"		
	2295"	840	
	3333	705"	
	4038	1545"	-049
	1553		~~+~~068
	2306	753	
	3386	598	
	3984	1351	~~-~~087
	B.		919
	634		Mean = -~~133~~
	1324	690	063
	2393	790	856
	3183	1480	-061
	640		
	1368	728	-058
	2426	783	
14: 39 35"	3209	1511	-055"
	162		
14 - 41	164	Plate A	
	139		
	159	41624	
		156	

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Oct 23 - 1924

14 57 45	Nova Per.	023443	Est - 13.5 barely seen	Nova
14 51,00	Y Per.	032043	Est 9.3	

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1924phae.proj..658C

Friday Oct 24-1924

Hr obs				Fl Rec
12; 00:15	S.S. Cygni	213843	Est. 8.3	✓
12; 10:30	Nova Aql. 3	184360	Est 10.3	
12; 20:03	R X Androm Var barely seen	005840	Est 13.2	

Sky too hazy to continue
to advantage

1924phae.proj..658C

Monday Oct 27 1924

L.C. Obs

12 -20. δ Cygni 213843 Est 9.0 ✓ F.C.

Too cloudy to continue to advantage.

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1924phae.proj.658C

Tues Oct 28/24

G.M.T. Locals 12" Polar

12 00 SS Opp 2138 K3 est 9.3 ✓

Obs diff of thin clouds

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1924phae.proj..658C

Wednesday Oct 29-1924

L b lo

F. Crec.

12 00 Hayni 213843 est 9.7 ✓

Lt. Lacerta 224937

ord-B Var Comp ✗ dis.

12 08:40

	1178	646	
	1824	764	
	2884	1410	+075
	3648		
	1109		+066
	1840	731	
	2940	776	
	3716	1507	+056
	a.		Mean = +060
	1968		
	2772	804	
	205	845	
	1050	1649	+029
	2053		
	2763	710	+055
	278	672	
12 13 45	950	1382	+081

22 25

12 11 12

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1924phae.proj..658C

Oct 29 - 1924

~~A~~ B

12:2300	2974		Var ~~comp~~ x dec II
~~12~~:	3724	750	
	1024	878	
	1902	1628	∓033
	2946		∓058
	3613	667	
	1156	712	
	1868	1379	∓082
	~~B~~ a		Mean ∓064
	274		
	964	690	
	2008	728	
	2728	1410	∓075.
	22.8		
	1024	796	∓070
	2058	671	
12 27 35	2729	1467	∓064

12 25 18

4088.517
256
0.261

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1924phae.proj...658C

Oct. 29 - 1924

~~D~~.

12 38 0c B.

41

1132
1840 708
2922 760
3682 1468 −.064

1114
1834 720 −.070
2934 694
3628 1414 −.075

~~D~~. a Mean * = −.061

1969
2795 826
215 840
1055 1666 −.025

2054
2728 674 −.052
238 725
963 1399 −.078

12 42 15
12 40 05
40 05 32 A
256
0.272

AC - now sure that Van does dis. & it is the northern of the pair.

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1924phae.proj..658C

Oct 29 - 1924

	~~B~~ a		
12: 57: 30	2058		IV
	2678	670	
	252	738	
	990	140.8	-076
	2014		-063
	2734	720	
	206	820	
	1026	154.0	-050
	B.		Mean = -076
	2900		
	3602	702	
	1146	672	
	1818	1374	-083.
	2953		
	3623	670	-090
	1200	634	
12: 55: 25	1834	130.4	-097

12 53 28

~~4088~~. 537

250

0.282

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1924phae.proj..658C

Oct 29 - 1924

V

B.

13 01 45 | 2900 | |
3612 | 712
1198 | 654
1852 | 136.6 | -084

2920 | 6
3270 | 840 | -086
1133 | 704 | -0.89
1837 | 1344 | ~~-049~~

Mean = -0.53

R

186
1053 | 867
1986 | 810
2796 | 1677 | -023

188
1072 | 884 | -020
1980 | 820
13 05 35 | 2810 | 1704 | -018

13 03 40

~~Hoff. 5445~~
2567
~~0289~~

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1924phae.proj..658C

Oct 29/24

VI

	a		
B 17:45	186		
	1028	842	
	2018	720	
	2738	1562	−045
	266		
	1000	734	−060
	2028	672	
	2700	1406	−076
	B		
			Mean = −063
	1200		
	1864	664	
	2950	712	
	3662	1376	082
	1073		066
	1869	796	
	2922	750	
13 22 00	3672	1546	049
39 45			
13 19 52			
Hood P. 5356			
2565			
0.3006			

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1924phae.proj...658C

Oct 29 | 24

VII

	B		
10 2800	1208		
	1848	640	
	2888	790	
	3678	1430	-071
	1180		
	1888	708	-066
	2888	769	
	3657	1477	-062
	a		Mean = -048
	1997		
	2793	796	
	162	886	
	1048	1682	022
	2010		030
	2808	798	
	240	798	
13 3200	1038	1596	089

13 3000

4088.562

.2187

.3067

Observations very difficult; stars barely visible!

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1924phae.proj..658C

Oct 29/24

	a			IIII
13:39 40	2002			
	2755	753		
	225	813		
	1038	1566	-045	
	1998			
	2769	771	-050	
	200	748		
	948	1519	-054	
	-B-		Mean = -050	
	2902			
	3677	775		
	1117	775		
	1892	1550	-048.	
	2936			
	3656	720	-051	
	1129	797		
13 43 35	1926	1517	-054	
13 41 38				
4088.571				
255				
0.316				

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1924phae..proj..658C

Oct 29 - 1924

IX

45"
13 54 ~~00~~

B-

2829
3722 893
1049 889
1938 178,2 -003

2912
3688 776 -022
1088 808
1896 1584 -041

Mean = -0.16

a-

222
1068 846
2016 742
2758 1588 -040

62
1100 1038 -0.10
1928 870
1.4 02 05 2798 1908
1692 +0.20

13 58 25
4088.582
576
0.006

Impossible to continue on this ~~x~~ any further; Haze & fog very dense
Stars just barely visible in Photometer

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1924phae.proj..658C

Thursday Oct 30. 1924

L.C. obs.				L.C. res.
12 : 00	Klagsi	213843	Est. 10.0	✓
	Sr. Lac. B	224937 variables		I
12 03 45	2988			
	3612	624		
	1160	646		
	1806	1270	+1.04	
	2902			
	3698	796	-069	
	1102	824		
	1926	1620	-034	
	a.		Mean = 058	
	148			
	1062	914		
	1958	864		
	2822	1778	004	
	292			
	994	702	047	
	2064	634		
12 08' 10	2198	1336	090	
11 55				
12 05 58				
4089.504				
.217				
0.287				

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1924phae.proj..658C

Oct 30 - 1924

	Q			II
12. 10 00	21.8			
	1016	798		
	2058	726		
	2784	152.4	-053	
	228			
	1053	825	040	
	1940	827		
	2767	1652	-028	
	73		Mean = 061	
	1102			
	1910	808		
	2968	700		
	3668	1508	-056	
	1184		-082	
	1808	624		
	2978	624		
12 - 14.15	3612	1248	-109	
12 12 08				
4089.508				
.207				
.291				

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1924phae.proj..658C

Oct 30 - 1924

	B.			
12 - 19:23	1182			
	1858	676		
	2968	664		
	3632	1340	090	
	1102		081	
	1848	746	~~090~~	
	2968	679		
	3647	1425	072	
	R		Mean = − 062	
	1927			
	2784	857		
	194	898		
	1092	1755	−008	
	2076			
	2744	668	−044	
	254	721		
12 23 50	975	1389	−080	
12 19 36				
89.514				
217				
0.297				

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1924phae.proj..658C

Oct 20 - 1924.

IV

	A		
12; 33' 00	2058		
	2748	690	
	198	818	
	1016	1508	-056
	2028		
	2768	740	-058
	237	747	
	984	1487	-060
	TB.		Mean = 068
	2960		
	3603	643	
	1156	770	
	1926	1413	075
	2928		
	3658	730	-079
	1174	644	
12; 37' 30	1818	1374	083
12 35 15			
89.524			
.20			
0.307			

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1924phae.proj..658C

October 30 - 1924

	B		
12:5240	2922		
	3624	702	
	1152	640	
	1792	1342	-089
	2910		
	3655	745	-074
	1126	748	
	1874	1493	059
			mean -0.072
	A-		
	136		
	1016	880	
	1967	770	029
	2737	~~1650~~	~~009~~
		1550	048
		1650	
	174		
	1024	850	~~09~~ -030
	2028	786	
12-37 05	2814	1636	~~012~~
			031
9 45			
12 54 52			
89. 538			
~~538~~			
~~000~~			

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1924phae.proj..658C

October 20 - 1924

	a			VI
23; 0332	250			
	990	740		
	1967	815		
	2782	1553	-047	
	140			
	1036	896	-030	
	1992	840		
	2832	1736	-012	
	B.		Mean = -039	
	1104			
	1902	798		
	2892	730		
	3622	1528	-052	
	1083			
	1908	825	-048	
	2904	746		
13 0815	3650	1571	-044	
1147				
13 05 54				
89.56				
538				
.008				

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1924phae.proj..658C

October 20 – 1924

	B			VII
B 13:20 00	1114			
	1936	822		
	2806	978		
	3784	1800	.000	
	1024			
	1924	900	−002	
	2836	884		
	3720	1784	−003	
	A.		Mean +002	
	1868			
	2806	938		
	88	970		
	1058	1908		
		1692	+020	
	1960			
	2800	840	+007	
	136	926		
13 24 00	1062	1766	−006	
13 22 00				
89.557				
538				
.019				

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1924phae.proj. .658C

Oct 30 1924

VIII

	A		
B=31 00	1928		
	2828	900	
	104	982	
	1086	188.2	~~+ 1718~~
		1718	+ 016
	1876		
	2822	946	+ 017
	136	930	
	1086	1896	+ 018
		1704	
	B.		Mean + 006
	2822		
	3742	920	
	1114	862	
	1976	1782	- 003
	2874		
	3734	860	- 004
	1063	905	
10 35 30	1968	1765	- 006

13 33 15

89.565

51 A

.02)

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1924phae.proj..658C

Oct 30/24

	13			IX
13 40 20	288.9			
	36.84	795		
	1054	920		
	1974	1.715	-016	
	2802		-010	
	3718	916		
	1052	870		
	1922	178.6	-003	
	a		Mean = +012	
	6.6			
	1136	1070		
	1898	956		
	2854	2026	+043	
		1574		
	144			
	1115	971	+034	
	1875	955		
13 44 30	2830	1926		
		1674	+024	
13 42 25				
89.571				
538				
.033				

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1924phae.proj. 658C

Oct 20 - 1924.

X

	A.		
13:55.70	12.0		
	1074	95.4	
	1884	903	
	2787	1857	+ 011
		1743	
	228		
	1082	854	- 004
	1920	838	
	2758	1692	- 020
	B.		Mean = - 009
	1084		
	1942	858	
	2862	894	
	3756	1752	- 009
	1083		
	1928	845	- ~~017~~ 014
	2882	846	
13 59.50	3728	1691	- 020
13 57 25			
89.581	Comp't Mic, Per. 320°12'4		32
.538	= JD 2424089.5421568 = N 43929		
0.043	Corr'n =	corr. .538	

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1924phae.proj · 658C

Oct 30 - 1924

XI

	B		
14:08:15	1198		
	1908	710	
	2912	750	
	3662	146.0	-065
	1032		
	1938	906	-040
	2872	820	
	3692	172.6	014
	-A-		Mean = -02K
	1918		
	2808	890	
	120	920	
	1040	~~810~~	
		1790	+002
	1963		
	2803	940	-008
	240	760	
14.12.20	1000	1700	-019

14 10 18
89.590
.538
.052

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1924phae.proj..658C

Oct 30 - 1924

XII

H	α		
14:23:00	2028		
	2748	720	
	168	778	
	946	149.8	-058
	2018		
	2778	760	-044
	167	880	
	1047	1640	-030
	δ3		Mean = -053
	2909		
	3708	799	
	1138	711	
	1849	1510	-056
	2924		-062
	3618	694	
	1128	746	
14 27 0	1874	144.0	-069
(14 25 00			
89.601			
538			
.063			

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1924phae.proj. .658C

Friday Oct. 31 - 1924

12' Polar.

F.I.C. rec.

L.C. obs.			
11 - 50	δ Aqui	213843	Est - 11 - 1
11 - 56	R.X. And.	005840	Est 11 - 5
12 - 02	δ Aql.	200715	Est 10 4
	R.Y. Per	023947	Phot P.
	δ Aql. B	Comp + dis	
12 : 09.40	38.2		
	872	490	
	2138	480	
	2618	97.0	+1.73
	372		
	833	461	+180
	2143	43.7	
	2600	91.8	+187
	- a.		
	1278		mean +1.99
	1662	384	
	3098	372	
	3470	75.6	+233
	1284		
	1714	430	×2.18
	3076	427	
12 13 - 25	3503	85.7	×203

12 11 32

4090.

I

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1924phae.proj.:658C

Friday Oct 31-1924

	A			
12 23 40	12 7.0			
	16 6 4	3 9 4		
	30 5 2	4 6 8		
	35 2 0	8 6.2	+2 0 2	II.
	12 9 4			
	16 9 8	4 0 4	+2 1 3	
	30 7.9	3 8 0		
	34 5-9	7 8.4	+2 2 4	
	B.		Mean = +2.1 0	
	21 7 2			
	26 3 3	4 6 1		
	3 5-8	4 6 4		
	8 2 2	8 2.5-	+2.1 2	
	21 5-8			
	26 1 8	4 6 0	+2 0 8	
	3 9 8	3 9 8		
12 27 35-	7 9 6	8 3.8	+2 0 3	

12 25- 3 A

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1924phae.proj..658C

Oct 31 - 1924

	B-			III
12i 42 30	2145			
	2648	503		
	340	522		
	862	1025	+16,0	
	2136			
	2608	472	-174	
	360	442		
	802	914	188	
	a.		Mean = +190.	
	3072			
	3476	404		
	1330	368		
	1698	772	+2.28.	
	3017			
	3514	497	+206	
	1298	434		
12 46 15	1782	1931	~~+63~~	
			+183	
12 44 22				

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1924phae.proj.:058c

Oct 31 23 -1924

	o Ceti	02h 40m 3	Phot R.
~~Di~~	B		
N	614	var dia	
+4 02:40	1374	760	
	2403	820	
	3223	1580	042
	664		
	1394	730	055
	2476	716	
	3192	1446	068
			919
	a		mean = -056
	3344		863
	4098	754	
	1538	711	
	2249	1465	-064
	3286		
	4096	810	-057
	1478	726	
N			
+4 06:25	2204	1536	-057

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1924phae.proj.658C

Oct. 31 – 1924

	R. Vr. Per. Red B	04342 Comp × Dev	Phot
13 29 00	444		
	784	340	
	2203	380	
	2583	720	+2.44
	436		
	768	332	252
	2208	344	
	2552	676	259
	a		Mean = +2.64
	1350		
	1638	288	
	3118	338	
	3456	626	+2.76.
	[illegible]		
	1364		
	1658	294	+2.77
	3109	328	
13 32 50	3437	622	+2.78

Sky becoming cloudy

1400 no use to continue any further.

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1924phae..proj..0586

Saturday November 1 - 1924

LC. observer 15' Equatorial

R Sag 191033 Region too low in haze and moonlight

Sky clouding up -

Fri Nov. 14 - 1924

12 eco SS Cyg 21 38 43 mb 11.6 ✓

copied from P.C. book on Nov. 17th

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1924phae.proj..658C

136

Nov 7
~~Sunday~~ Nov 1X - 1924

LL. less

F Cue

~~12 - 40 & Sagni 213843 Est + .6~~

	Ind. B	comp + dis	
12: 12:15	346		023947 Ryden
	856	510	Rhst T.
	2136	288	
	2524	79.8	+220

I

403		
804	401	+217
2158	416	
2574	81.7	+214

a Mean +0.2

1278		
1774	496	
3058	451	
3509	94.7	+179

1295		
1737	442	+186
3048	456	
12 1 16:45 3504	899	

+192

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1924phae.proj..658C

Monday Nov 17 - 1924

12" Plates

LC Obs				FC rec
12' - 05	δ Cygni	213843	East - 11.3	
	R. Y. Persei	023747	Phot T.	
	G -			
12:28:20	1302			
	1732	430		
	3048	476		II
	3524	90.6	+190	
	1294			
	1754	460	+182	
	3003	503		
	3506	96.3	+175	
	B			
	2198		Mean = +193.	
	2600	402		
	374	304		
	878	906	+190	
	2178			
	2587	409	+204	
	421	391		
12 36.40	812	800	+219	

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1924phae.proj.658C

Nov 17 - 1924

I

	R W Per	04 13 42	Equip & Dis
	- B -		Plot I.
12 - 3 - 9:00	2206		
	2548	342	
	462	352	
	814	69.4	+2.53
	2224		
	2510	286	+263
	448.	350	
	198.	63.6	+2.73
	- A -		
	3106		Mean +254
	3488	388	
	1348	318	
	1666	70.6	+2.49
	3082		+246
	345.9	377	
	1338	350	
13: 02 30	1688	72.7	+242

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1924phae.proj..658C

Nov. 17 – 1924

II

	a		
13:21:15	2056		
	3458	402	
	1309	387	
	1696	78.9	+223
	3089		+236
	3458	369	
	1330	339	
	1669	70.8	+248
	78.		Mean - +244
	440		
	770	330	
	2202	396	
	2598	72.6	+242
	477		+25.1
	804	327	
	2194	344	
13 24 25	2538	67.1	+260

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1924phae.proj..658C

Nov. 17 - 924

	° Ceti	021403	Phot Pg	I
	Std B	Variable dis		
13:29 50	2563			
	3048	485		
	812	332		
	1144	81.7	−214	
	2600			
	3010	410	−226	
	823	329		
	1152	73.9	−238	
				9.9
	- @ -		Mean =	−2.9
	1648			7.00
	2114	466		
	3484	418		
	3902	884	−196.	
	1682			
	2084	402	−212	
	3514	374		
13 3220	3888	77.6	−227	

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1924phae.proj..658C

Nov. 17 — 1924.

13 49 00 S Tauri 05 43 19 Est 13.2 If seen observation very difficult but suspected that to have been seen

13 55 10 S Aurigae 06 05 47 Est 13.3 ✓

14 21 — R Aurigae 05 58 40 Est. 11+. variable bright

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1924phae.proj..658C

Freeday Nov. 18. 1924
12h Plat.

Lick obs. | | | | H.V.C rec.

~~12h 0~~ 11:48 | S.S. Cygni | 213843 | Est. 11.13 | √

11 52 | R.K. Androm | 005840 | Est 11.12 | √

12:02:00 | Vroman | ~~U. dist~~ | Comp ~~x~~ Lick | I

| Lick 73

~~2775~~

~~2850~~ | ~~+108~~

233

1016 | 783

2025 | 750

2775 | 1533 | +0.51

183

953 | 770 | +052

1975 | 760

2735 | 1530 | +052

a

1183 | Mean = +055

1888 | 705

2926 | 702

3628 | 1407 | +076

107.2

1968 | 836 | +058

2958 | 747

3705 | 1583 | +041

12 05 25

12 03 42

Comp ☆ = ☆ @ 23h. 12m − 5° 50m (1855) The brighter 12 ☆s

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1924phae.proj..658C

Nov 18 – 1924

	A			
12:16 45"	1058			
	1914	856		
	2894	846		
	3740	1702	+019	
	1033			
	1923	890	+026	
	2984	744		
	3724	1634	+032	
	B		Mean = +44	
	1988			
	2743	760		
	208	776		
	984	1536	+050	
	2054			
	2768	714	+062	
	268	707		
12 20:20	975"	1421	+073	
12 1A3				

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1924phae.proj..658C

144

Nov 18 - 1924

	B			III
12: 25:00	2002			
	2778	776		
	300	722		
	1022	149.8	+058.	
	2018			
	2690	672	+066	
	220	743		
	963	141.5	+074	
	a		mean = +065	
	2875			
	3644	769		
	1076	770		
	1846	1539	+050.	
	2964		+064	
	3636	672		
	1169	729		
12 2800	1898	1401	+077	
12 26 30				

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1924phae.proj.658C

Nov-18-1924-

Q

12 36 25 2922

3622 700

1114 779

1893 1479 +064

IV

2964

3764 800 050

1073 817

1890 1617 035

B Mean = 060

208

986 778

2056 692

2748 1470 063

228

978 750 070

2080 657

12 39 45 2737 1407 +076

10

12 38 05

1924phae.proj.658C

146

Nov. 18- 1924

B

12 55 45

~~374~~
208
970
2061
2737

762
676
143,8

+070

I

278
950
2084
2708

672
624
1296

+084
+099

Mean: +0.51

A

~~993~~
~~1220~~
2888
3648
~~498~~
984
1928

~~948~~
760
786
1546

760
944
1) 0.6 + 018

+018

~~928~~
2832
3709
~~1069~~
1904

904
944

877
835
1712 + 0.1)

13- 00 30
13 57 08

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1924phae.proj..658C

Nov. 18 1924

	a			~~41~~
13; 13 10	2828			
	3708	880		
	1084	834		
	1918	171.4	+016	
	2923			
	3.729	806	+032	
	1162	746		
	1848	154.6	+049	
			Mean = +045	
	Pg			
	208			
	961	753		
	2000	560		
	2760	151.3	+055	
	247		+058	
	960	713		
	2038	766		
13 16:15	2804	1479	+062	
29 25				
13 14 42				

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1924phae.proj..658C

Nov 18 - 1924

VII

	73.		
13:28:15	29.2		
	952	660	
	2059	676	
	2735	1336	+090
	272		
	918	646	+096
	2048	636	
	2684	1282	+102
	a.		Mean +051
	1080		
	1948	868	
	2958	768	
	3726	1636	+631
	1072		
	1929	857	+026
	2876	836	
13 31 10	3712	1693	+020
59 25			
13 29 42			

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1924phae.proj..6586

Nov 18/24

A

+3 40 45	120.7		
	1757	550	
	2898	835	
	3733	1385	+0.80
	1188		
	1767	579	090
	2908	716	
	3624	1295	+099

B.

	2104		
	2702	598	
	300	714	
	1014	1312	095
	2038		
	2758	780	
	258	742	
13 43.45	1780	1522	053

see next page

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1924phae.proj..658C

IV Nov-18-1924

VIII

	73		
13 45 05	2038		
	2798	740	
	288	748	
	1036	1488	+0.60
	2152		+062
	2864	712	
	308	756	
	1064	1468	+064
	a-	Mean = +0.50	
	2852		
	3755	903	
	1055	829	
	1884	1732	+0.13
			+0.38
	2914		
	3633	719	
	1133	750	
13 48 00	1883	1469	+064

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1924phae.proj..658C

Wednesday Nov. 26 - 1924.

12:0:0	S.S.Cygni	213843	Est 11-1 ✓
12-07	R.S.Aur	005840	Est 13.0 ✓
	Uranus	Same comp.* as last time	
	Sud.		
12: 11:30	~~1844~~		
	2994	~~+80~~	
	3098	604	
	1144	684	
	1828	1288	1,00 Comp.* Des.
	2954		Mean = +085
	3690	736	096
	1189	599	
	1788	133.5	.091
	249		
	1008	759	
	2039	689	
	2728	1438	+070
	214		
	944	730	+074
	2088	671	
12 15 30	2759	1401	+077

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1924phae.proj..658C

Nov. 26 - 1924

	A			
12 : 23.40	23.3			
	938	705		II
	2033	695		
	2728	140.0	+077	
	200			
	990	790	+070	
	2037	677		
	2714	1467	+064	
			Mean = +083	
	B			
	1196			
	1806	610		
	2985	631		
	3616	1241	+1.10	
	1444		+096	
	1834	690		
	2958	680		
12 26.45	3638	1370	+083	

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1924phae.proj..0586

Nov. 26/1924

	B.			
12 36:40	1180			
	1864	684		
	2958	742		III
	3700	142.6	+072	
	1128			
	1850	722	+072	
	2964	702		
	3866	142.4	+073	
			Mean = +0.66	
	-A-			
	1866			
	2548	782		
	2510	834		
	1084	1011.6	+~~0.16~~	
			0.35	
	2068		+0.60	
	2652	604		
	298	136.2		
12 40:10	1060	136.6	+0.84	

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1924phae.proj..658C

154

Nov. 26 1924

	a			III
12:35.00	1986			
	2600	614		
	308	625		
	933	1239	~~.556~~	
			1.11	
				+1.00
	2043			
	2658	615		
	270	726		
	796	1341	.089	
	B.		Mean = .076	
	2928			
	3680	752		
	1074	766		
	1840	1518	+.054	
	2912			
	3632	720		+.053
	1093	810		
12 58.00	1903	1530		+.052

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1924phae.proj..0586

Nov. 26 - 1924 -

13 20.0	B-			V
	~~1850~~			
	2900			
	3672	772		
	1114	636		
	1750	140.8	+076	
	2894			
	3614	720	+072	
	1090	730		
	1820	145.0	+067	
	a		Mean =	+060
	198			
	1033	935		
	2030	722		
	2752	165.7	+027	
	270			
	948	678	+050	
	1988	740		
13 24.0	2728	141.8		
			+074	

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1924phae.proj..658C

156

Nov 26 - 1924

	Q		UT
13:49:10	31.2		
	920	608	
	2058	650	
	2708	1258	+1.07
	27:0		
	922	652	+1.15
	2114	532	
	2646	1184	+123
	83.		Mean 090.
	1102		
	1842	740	
	2888	810	
	3698	1550	+048.
	115.3		+064
	1836	683	
	2922	700	
13:52:50	3622	1383	+081

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1924phae.proj..0586

Nov. 26/1924

VII

98 -

13 55.00	1188		
	1830	642	
	2943	610	
	3553	1252	+1.08

0.84

	1078		
	1857	779	
	2897	712	
	3609	1491	+0.59

a -

Mean = +0.59

	1977		
	2797	820	
	169	958	
	1117	1778	+0.04

+0.34

	2028		
	2722	694	
	228	780	
13 58.30	1008	1474	+0.63

Stars getting down in the treetops -
Probably affecting last 2 groups.

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1924phae.proj..658C

Nov. 26, 1924



14:12 S.S. Aurigae 060547. Est 13.0

14-16 S.U. Tauri 054319 Est 13.2 –
variable certainly seen.

ο Ceti 021403 var dis
Sud a

14:18:15
1786
1982 196
08 176
184 372 +393

1808
1982 174 -401
2.2 172
194 346 -409.
88. 919
897 mean. 392
167 327
1064 213
2687 380 388
2900

906
1084 178 382
2692 224
14:22:0 2916 402 396

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1924phae.proj..658C

Friday Nov. 28 - 1924.

L. C. Oles.

F. J. Crew

11-48 S.S. Cygni 213843 Est 11-1 ✓

11:51 R.X. And. 005840 Est 13 S ✓ Variable
barely seen

R.Y. Persei 020947 Phot. F.
B Comp star dis.

11 56 30
2060
2676 616
355 510
865 1126 136

~~2085~~
2152 158
2606 454
372 484 Mean ~~1.81~~ 2.01
856 938 1.81
a
2088
3448 360
1320 348
1668 708 248

3117 -244
3458 341
1294 388
12:04 1682 729 241

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1924phae.proj..658C

160

Nov 28 - 1924

	a			
12:18:00	3072			
	3478	406		
	1308	418		
	1726	824	2.12	
	3072		2.14	
	3507	435		
	1320	378		
	1698	813	216	
	B.		Mean = 208	
	3977			
	8278	431		
	2179	400		
	2579	838	208.	
	363		.196	
	824	461		
	2152	462		
12-20 20	2614	923	185	

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1924phae..proj..658C

Nov. 28-1924

	R.W. Per.		Phot.
	Dec	04r342	
12.29.15	2238		
	2528	290	
	463	306	
	769	596	287
	2800		
	2560	360	256
	390	424	
	814	784	224
	Dec.		Mean = 263
	3125		
	3452	327	
	1344	296	
	1640	623	277
	3083.		
	3456	373	270
	1369	287	
12 3330	1656	660	264

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1924phae.proj..658C

Nov 28 / 24

II

Dec.

12' 39 -35' 3133
3443 310
1348 308
1656 618 279

3118
3414 296 289
1354 271
1625 567

299
Mean — 266

Dec.
4427
7777 335
2218 348
2566 683 256.

4144
7688 354 244
2200 402
12 43 50 2602 756 233

1924phae.proj..658C

Nov 28- 1924.

V

S.R. Tauri 05 45 28 Phot a-
204 var + a a brightest
12 54 206
228
222
4|860
215

922 a with B .7B Brighter
12.56 298
288
289
4|1197
299

variable + a
218
12 58 232
233
203
2|886
221

var + a a bright

206
13:09 203
198
208
2|812
203

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1924phae.proj..658C

Nov 28 - 1924 -

	311	a weak b bright
13 - 11 -	298	
	293	
	296	
	4)1198	
	299	
	221	var & a -
13 13 -	222	
	228	
	232	
	4)903	
	225	Found impossible to see var. with Phot ✓.

Star a = Star @ 42.6 + 28° 4'
(185-5) . 28° +

Star B = Star @ ~~45° 4~~ 5^h 42^m
+ 27° 50' (185-5)

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1924phae.proj..658C

Nov 28 - 1924 -

S.U. aur. 044932

Sky all cloudy. No use to continue

m.

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1924phae.proj..658C

Mon. Dec. 1 – 1924

	L.C. Obs.		12" Polar		H.T.C.
11	30	SS Cyg	2, 3 & 4	est 10.3	✓

Too cloudy to continue further observations.

1924phae.proj..658C

Tuesday Dec 2 - 1924

12" Polar

L. Cols

F T C

12 - 05 L. Cygni 213843 Est. 9. 9. ✓

12 12 R Aquilae 005840 Est. 12 8 ✓

Clouds ——

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1924phae.proj..658C

1924 Thursday Dec 4 - 1924

12" Polar

F. C.

L.C. obs			
12 - 12	δ Cygni	213843	Est 9.2 ✓
12 14	R.X. Aud.	003840	Est 11.3 ✓
12 19-15	Dud A- Cet	021403	Phot. R.
	928		
	1048	120	
	2722	120	
	2842	24.0	4.89
	914		420
	1058	134	
	2722	150	
	2872	28.4	4.52
	Dud B-		919
	2.0		mean 451
	13 8	118	468
	1824	136	
	1960	25.4	4.77
	1.8		482
	134	116	
	1830	128	
12 -23 15	1958	24.4	4.86
13: 37,	δ Aquiæ	060547	Est. 125

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1924phae.proj..658C

Dec 4 - 1924.

13 39.20	S.U. Lacs.	05 43 19	Est. Mag seen var = = 12.6
13 44 -	S. Per.	02 15 58	Est. 9.6
13 45	W. Per.	02 43 56	Est. 9.2
13 - 47.	Y. Per	03 20 43	Est. 10.2.
13 - 50	T. Androm.	00 17 26	Est 7.7
13 . 52	U. Cass.	00 40 47	Est 8.8
13 - 55	T. Ori.	05 30 05	Est. -11.0

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1924phae.proj..658C

Tuesday Dec 9 - 1924

h b ho				
11-56,	Aldyoni	213843.	Est. 9.8	
11.59	R.X and.	005840.	Est 12.2	Hazen moon @ ½ full
	o/ Ori.	021403.		
	Ind A,			
12:02.50	038			
	140	102		
	183.4	114		
	1948	216	5,12	
	54			
	141	87	516	
	1832	121		
	1953	208	520	
	78.			919
	2726		Mean =	503
	2840	114		416
	940	118		
	1058	232	497	
	2722			
	2847	125	490	
	924	123		
12 07.50	1047	248	482	

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1924phae.proj..658C

Wed. Dec 10. 1924

G.M.T. P.C.C.B. 12" Polar ✓

13 10 SS Cyg 21340 ~~est~~ 10.2

13 12 RX And 00 58 00 ~~est~~ 12.2 ✓

Moon very bright

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1924phae.proj..658C

Monday ~~Dec~~ 15 1924

12' Polaris

L.C. obs			
12-50	ll Cygni	213843	Est 11-2
12h52	SS Aur.	060547	Est 1 5 7
12 53	R X Cudom	005840	Est 1 2 3
			Seeing very poor Surface Blue Faint ✗s
12:59	SU Tau	054319	Est 1 2 3 var distinctly seen
13 23 10	AB Aur	044930	
	B.	var dis	
	2 2 0		
	9 9 8	778	
	2 0 0 8	725	
	2 7 3 3	150.3	-05.7
	2 1 4		
	9 6 4	750	-06.1
	2 0 2 3	713	
	2 7 3 6	1463	-0.65
	-a 11 2 4		mean = -0.61
	1 8 4 6	722	~~-61~~
	2 9 0 8	732	
	3 6 4 0	145.4	=.067
	1 1 2 2		
	1 8 5 3	731	-061
	2 9 0 0	780	
13 29 45	3 6 8 0	15.11	-05.5

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1924phae.proj..658C

Dec 15 - 1924

13 28	8 Pl Aur.	04930	comp + dec
	Ind Q		
	2156		
	2616	460	
	398	426	
	824	886	+195
	2186		
	2536	350	+224
	415	347	
	762	697	+252
	Index P		Mean = +211
	3124		
	3498	374	
	1320	420	
	1720	794	+221
	3044		
	3564	520	+198
	1248	454	
13 29	1702	974	+172

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1924phae.proj..658C

Dec - 15 - 1924

R.A. Persei 023947.

13 - 46 : 20 Sid. B Comp ✕ Dec — 1

	402		
	808	406	
	2220	392	
	2612	798	+220
	388		
	814	426	+215
	2202	406	
	2608	832	+210
	-@-		Mean = +222
	1309		
	1702	393	
	3080	372	
	3452	765	+230
	1338		+230
	1692	354	
	3096	412	
13 50 00	± 3508	766	+230
13 48 10			

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1924phae.proj..658C

Dec. 15/1924

	a			II
13h.-58m.00	128.8			
	1782	494		
	3069	447		
	38.16	94.1	+1.81	
	1262			
	1760	498	185	
	205.8	410		
	3468	90.8	189	
	B		Dreser 202	
	2202			
	2600	398		
	358	407		
	765	80.5	+2.18	
	2224			
	2618	394	+2.18	
	368	406		
14 01 30	774	80.0	+219	

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1924phae.proj..6580

Dec - 15-1924

o Leti

too cloudy -

Sky practically covered

for with clouds

new Batteries

for Lights

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1924phae.proj..658C

Saturday Dec 20 - 1924.

L L.				L. L. C.
12-33	δ Aur	060547	Est 1.9	
12 40	84. Tau.	034319	Est 11.6	
12 45	δ Cygni	213843	Est. 11-2.	✓
	Oleti	021403	Phot R.	
~~12~~ 13 18.30 ✓	Ind A.	(rando		
	4.2			
	13 8	9.6		
	1836	110		
	1946	20.6	-5.23	
	4.8			
	134	86	-534	
	1832	101		
	1933	18.7	-544	
				919
	TB		Mean =	515
	2724			404
	2844	120		
	926	120		
	1046	240	-489	
	272.2		-496	
	2840	118		
13.23 40 ✓	93.8	108		
1321.05	1046	226	502	

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1924phae.proj..658C

178

Dec 20 - 1924

13 39 15	R X Rud.	005840	Est. 11 - 5
	Sh. Am.	044930 a	Comp x Dec
	~~Dec. a~~		
13:46:30	2158		
	2588	430	
	324	480	
	804	910	+191
	2163		+202
	2566	403	
	398	420	
	818	823	+213
	a		
	3019		mean = +174
	3594	575	
	1224	504	
	1728	1079	+147
	3038		
	3543	505	+146
	1248	580	
13 49:35	1728	1085	+145
13 48.02			

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1924phae.proj..658C

Dec 20 - 1924.

	Ec Bl Cen.	044930	var dec
	Dec B		
13 42:20	246		
	1066	820	
	1928	827	
	2755	1647	-0.29
	267		
	1012	745	-0.50
	2058	680	
	2738	1425	-0.72
	Dec A		Mean -0.36
	164.8		
	1914	866	
	2906	810	
	3716	1676	-0.24
	1052		
	1910	858	-0.22
	2884	844	
13 - 45:48	3728	1702	-0.19
13 43:00			

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1924phae.proj..658C

Dec 20 - 1924

14: 05: 15	Z Aurigae	05 53 53	Est 10.0
14 : 15 : 10	U. Gem	07 49 22	Est 12.8
14 20:00	7 Orionis	05 30 05	Est 10.4

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1924phae.proj..658c

Friday Dec 26 – 1924

12" Plan

F.C. rec.

L C Obs

12-18	S.S.Cygni	213843	Est= 11-3.
12-23	R. X And.	005840	Est- 13.3 ✓
12 30	S.U. Tauri	054319	Est 12 0
12.31-	S.S. Aur.	060547	Est 128
	R.Y. Per	023947.	Phot J.
	d-B	Comp	x dis
12 50 .10	42.2		
	75 0	328 .	
	2223	337	
	2560	66.5	+262
	408		
	774	366	+240
	2206	441	
	2647	80.7	+217
	a.		
	1330		Mean = +246
	1714	384	
	3106	320	
	3426	70.4	+249
	1339		
	1662	323	+252
	3085	360	
12 54 05	3445	683	+256

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1924phae.proj..658C

Dec 26 - 1924

	A			II
13 00 30	3132			
	3430	298		
	1334	340		
	1674	63.8	+2.72	
	3090			
	3444	354	+257	
	1320	372		
	1692	726	+242	
	B		Mean +248	
	396			
	792	396		
	2204	394		
	2598	79.0	+222	
	40.0		+238	
	772	372		
	2252	316		
13: 05' -00	2568	68.8	+255	

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1924phae.proj..6586

Dec 26 - 1924

	B-			III
B: 18.00	438			
	758	320		
	2250	294		
	2544	614	+2.81	
	402		+254	
	812	410		
	2197	365		
	2562	775	+227	
	a		Mean. +244	
	1305			
	1685	380		
	3108	388		
	3496	768	+229	
	1339			
	1685	346	+235	
	3080	384		
B 22.00	3464	730	+241	

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1924phae.proj..658C

Dec 26/1924

IV

	a		
13 32 50	1337	352	
	1689	387	
	3098	739	+238
	3477		
	1320		+248
	1662	342	
	3112	338	
	3450	680	+257
	B		mean 248
	2198		
	2620	422	
	424	340	
	764	762	+231
	2232		
	2562	330	+249
	431	322	
13-35 55	753	652	267

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1924phae.proj...658C

Dec 26 / 1924.

	B-			V
13 40 30	2238			
	2572	334		
	432	364		
	796	69.8	+2.51	
	2214			
	2587	373	+244	
	392	367		
	759	740	1238	
	-A-		Mean = + 247	
	3124			
	3475	351		
	1326	408		
	1734	75.9	+232	
	913.3			
	3443	310	+250	
	1348	341		
13 43 50	1689	65.1	+267	

Plot Removed:
Region carefully checked up & would putty certainly correctly identified

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1924phae.proj..658C

Dec 26. - 1924

	~~H~~			VI
	o Eti		Phot R.	
	a		raualle dis	
13 57 50	46			
	129	83		
	1840	198		
	1938	28.1	+45 5	
	4.0			
	144	104	+498	
	1848	86		
	1934	19.0	+5 40	919
	(B)		Mean = +	51.8
				+401
	2738			
	2844	106		
	955	77		
	1032	18.3	+5.48	
	2743			
	2843	100	538	
	940	98		
14-02:00	1038	198	531	
14 -25	U Gem	07 49 22	Est. 13-5. Compsel.	
			Est 136. Dunham	
			the 13,7 barely visible	

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1924phae.proj..658C

Saturday Dec 27-1924

L C.

11:51	L.L. Cygni	213843	Est 11.4
11-54	R K And.	005840	Est 13-3
11 56	L.L. And.	060547	Est. 13.3
	R.Y. Per.	023947	Phot F.
	Ind B.	Comp + Dec	
12:04:40	40.8		
	71 8	310	
	220.9	367	
	2576	67.7	+2.5-9
	344		
	794	450	226
	2196	440	
	2636	89.0	+1.94
	a		Mean = 2.21
	1266		
	1708	442	
	3092	407	
	3509	849	20.5-
	1333		
	1686	353	216
	3062	422	
12-07 00	3484	77.5	227

Sky very hazy & somewhat cloudy —

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1924phae.proj..658C

Tuesday Jan 13 - 1925

F. C.

13-45	δ Lau	060547	Est.	13.0
13.48	α Gem	074922	Est.	10.4
~~13~~ 14.0.0	δ α Tau	054319	est	11.2

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1924phae.proj..658C

Wednesday Jan 14 - 1925

L.C. obs

L.C. rec.

F.C. rec.

	α Cati	Phot R		
12h 11:20 →	Ind a	var dio		
	185.7			
	1933	81		
	4.3	101		
	144	18.2	−5.50	
	184.8			
	1946	98	−5.38	
	4.4	106		
	150	20.4	−5 25	
				9 19
	-B-		Mean	5.19
	946			4.0 ±
	1064	118		
	2744	102		
	2846	22.0	−5.08	
	9.47			
	1067	120	−5 00	
	2741	117		
12:16:30	2858	237	−492	
12 26	R Aurb	005-840	Est. 11.4	

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1924phae.proj..658C

Jan. 14 - 1924.5

	RY Per	023947.	Phot I.	
	Std B	Coump x dis		
12 32 00	2178			I
	2659	481		
	3644	434		
	798	915	+187	
	2172			
	2649	477	+176	
	3944	538		
	874	1007	+164	
	- a -		Mean = +181	
	3072			
	3544	472		
	1226	561		
	1787	1033	+158	
	3075			
	3487	412	188	
	1336	390		
12 36 05	1726	802	219	

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1924phae.proj..658C

Jan 14 – 1925

	B			II
12 47 10	3076			
	3530	454		
	1294	465		
	1759	91.9	1.86	
	2958			
	3557	599	158	
	1234	554		
	1788	113.3	120	
			Mean = 165	
	364			
	838	474		
	2178	477		
	2655	95.1	178	
	355			
	851	496	172	
	2151	499		
12 51 40	2650	995	167	
12 53	R Leon	074922	Est 10.8	
12 54	SS Aurigae	060547	Est 132	

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1924phae.proj..658C

Friday Jan 20 - 1925 (E.S. Data)

& b obs.

F.T. Circ

G.C.T. Greenwich Civil Time. h	à Cte' Ind - Bz - 94.0	δ 21403	Photometer R.
			LC Obz
0:15:40	103.1	91	
	2741	108	
	2849	1.9.9	-5 20
	946		5.44
	1020	74	
	2730	112	
	2842	1.7.6	-5;57
	a		9/9
	3.1		mean = 536
	136	105	8.83
	1831	105	
	1936	210	-5.18
	4.2		
	134	92	3:29
	1844	98	
0:20 40	1942	190	
			5-40

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1924phae.proj..658C

Jan 20 - 1925

L C (b)

3	Zeta Gem	065520	Phot. R
	Std B		Comp'd with close companion
1-05.15	2390		now Leo -
	2586	1.96	
	593	1.77	
	770	37.3	-3.92
	2364		-382
	2572	208	
	571	200	
	771	40.8	-372
	Std A		Mean = -3.70
	1472		
	1700	228	
	3274	222	
	3496	45.0	-3.01
	1434		-357
	1672	238	
	3286	187	
1-10.28	3473	425	-363

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1924phae.proj..658c

Jan - 20 1925

H T C rec

C. Lass. Obsr

G.C.T.	L Sum - Dud A.		Phot R
1:12:00	~~3510~~		
	1427	Var dis	
	1688	261	
	3270	246	
	3516	507	-3.24 ✓
			630 ✓
	1388		-315
	1698	310	
	3240	240 ✓	✓
	3480	550	-306
	B.		
			mean = -3.12 ✓
	498	3	
	801	303 ✓	✓
	2339	283 ✓	2.91
	2622	586	~~-2.55~~ ✓
			-3.30
	972		
	1792	200 ✓	~~-2.88~~
	2399	213	
1 - 26.25	2612	413	-3.70 ✓
			~~-3.22~~

Comp* = close companion.

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1924phae.proj..658C

Jan 30 - 1920

I Gem. II Clas. Obs. Phot R

B.

-1 40 00	237.1		Var. Dis.
	2592	221	
	55 7	246	
	80. 3	46.7	-3.42
	55.1		
	786	235	3.32
	2367	277	
	2644	51.2	3.22

A.

Mean = - 338

	3222		
	3497	~~275~~	215
	~~770.2~~	230	256
	145.2	58.5	531 314
	~~1470.8~~		325
	1458		344
	1649	191	
	3272	213	
	3485	60.4	375

AF 1.55

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1924phae.proj..658C

Jan 30 - 1925

Same again L C obs.

	Sd & a.		
1 - 57 10	1448		
	1696	248	
	3272	197	
	3469	445	-3.53
	1455		
	1694	239	-3.54
	3268	201	
	3469	440	356
	Sd.		Mean = -356
	562		
	796	234	
	2353	217	
	2570	451	-3.50.
	556		
	778	222	-357
	2374	208	
2 - 0 30	2576	424	-364

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1924phae.proj..658C

Jan 30 - 1925

L C

R R Lem.
object too faint for moonlight sky -
Phot T.

W. Urs. Maj 093556
Red B Comp ★ dis

2-29-20	26.5		
	878	613	
	2068	632	
	2700	1245	+1.10
	272		
	924	652	+1.10
	2088	588	
	2676	1240	+1.11
	a		Mean = +1.10
	1188		
	1826	638	
	2933	683	
	3616	1321	+0.94
	1226		
	1804	578	+1.09
	2998	600	
2-33	3598	1178	124

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1924phae.proj..658C

Jan 30 – 1925

Same again by C. L.

	a –		
			comp * Dec
2 – 37.00	1233		
	1764	531	
	2892	696	
	3582	1221	+1.14
	~~3599~~		
	115.9		+1.11
	1828	669	
	2982	585	
	3567	1254	+108
	B.		
	2072		Mean +1.12
	2685	613	
	262	608	
	870	1221	+1.14
	2020		114
	2625	605	
	296	614	
2 : 35 40	910	1219	+115

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1924phae.proj...658C

Friday Feb. 13 - 1925. 1.4

L.C. to

L.C. rec.

4 C.T. o Ceti 021408

Too far west to measure in Hoge.

0.42 RS Aur 060547. Est 12.2

0-44. U Gem 074922 Est 11.7

0 57- SU Tau 054319 Est 10.4

1-37.43

1 38 38

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1924phae.proj..658C

Feb. 13-14 1925

L. C. obs.
G. C. T.

L. C. obs.
L C b

1 - 48:25

	9 V Sau	054528	Plot T
	~~Surf B.~~	Comp ☆	dis
	48.5		
	678	193	
	230.6	180	
	2486	37.3	+3.92
	480		
	672	192	+392
	49.4	182	
	676	37.4	+392
	Surf-A-		Mean = 392
	3198		9.57
	3384	186	
	1392	196	
	1588	38.2	+387
	3202		+392
	3372	170	
	1414	193	
1 - 53:10	1607	363	+398

1 57

Comp ☆ = +2).0888 (6.5) = HA 5☆ = 5.65

4196.078
95.915
+0.163

4196.078
Y. 225
+1.853

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1924phae.proj...658C

Feb. 13-14 1925

Lass. 60

57
-2.30

A

1401
1628
3184
3393

227
209
436

+358

3192
3412
1380
1595

220
215
435

+358

B.

47.7
664
2318
2522

190
204
394

+380

463
687
2300
2516

224
216
440

+356

2-1628

272

4196.088
95.915
+0.173

4196.088
4.225
+1.863

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1924phae.proj..658C

Feb. 13-14/1925

LC 60

	B.		
2 - 19.00	488		III
	680	192	
	2302	190	
	2492	382	+387
	486		+390
	676	190	
	2301	181	
	2482	371	+393
			5685
	A		Mean = +386
	1402		951
	1588	186	
	3179	193	
	3372	379	+389.
	1397		+382
	1596	199	
	3193	205	
2 - 2235	3398	404	+375
2 21			

4196.098
~~4195.915~~
+0.183

1924phae.proj..658C

Saturday Feb 14–15 – 1925

L L Lus

L. T. C rec.

	o Cet	021403	Too low in tiers.
23-53	ll Aurigæ	060547	Est 12.6
23 55	U Gem	074922	Est 120
	ll Tau	05 4528	Phot T. LC bv.
0-13 21	B		
	42.2		Comp * dim
	766	344	
	221.4	356	
	2570	70.0	+251
	421		
	772	351	+253
	2220	336	
	255.6	68.7	+255
	a		Mean = +256
	1338		
	1684	346	
	3102	357	
	345.9	70.3	+250
	1326		
	1639	313	+260
	3117	334	
0:16 10	3451	647	+269

Identification of * certain. Photometer made 69 observations.

Misidentified in Harvard Annals. Not ll Tauri.

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1924phae.proj..658C

Feb 14-15-1925

SV. Tauri corrected adopted
B. comp * less LC obs.

0 - 24.00	488			
	694	206		I
	2282	228		
	2510	43.4	+3.59	
	488			
	718	230	364	
	2300	186		
	2486	41.6	+368	
			565	
	A		mean = 370	
	1392			935
	1598	206		
	3170	232		
	3402	43.8	+3.57.	
	1388		+376	
	1572	184		
	3192	182		
0 29 45	3374	36.6	396	

0 26

4197.018
95.95
+1.103

(4197.018
96.392
+0.626)

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1924phae.proj..6586

Feb -14-15

C L obs

II

	a		
0 30.'15	1405		
	1600	195	
	3199	198	
	3397	393	+3.81
	1406		+35.4
	1625	219	
	3141	280	
	3421	49.9	+328
			5-6 s
	TB		mean +365
			9.30
	2117		
	2291	174	
	440	278	
	718	~~942~~	
		452	+350
	49.8		
	673	175	+376
	2312	180	
0 ~~40~~ 40	2492	355	+403

0 35

4197.024 — 95.915 — + 1.109

4197.024 — 6.392 — 0.632

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1924phae.proj..658C

Feb. 14-15-1925

C L obs

III

L C.T.
0 46:30

B.
231.2
2497
49.8
673

185
175
360

+400

45.9
667
2266
2507

208
241
449

+376

+351

a
134.3
1594
3159
3431

251
272
523

+317.

s-65
Mean 370
9.35

δ
142.4
1563
1381
1587

139
206
345

364

410

D 5-8 40
0 52

4197.036
95.915
+1.121

4197.036
6.392
+0.644

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1924phae.proj..658C

Feb. 14-15/1925

C-L: Cl.

IV

G.C.T			
1h 15m	1388		
	1582	194	
	3210	191	
	3401	385	+ 3.85
	1386		+ 3.77
	1581	195	
	2182	219	
	3401	414	+ 3.69
	447		5 Cl⁻ 8
	676	229	Mean + 3.78
	2209	200	9 K 3
	2509	429	+ 3.61
	470		+ 3.78
	669	199	
	2323	171	
l 284	2494	370	+ 3.94
l 21.5			
4197.056 / 95.915	4197.056		
+ 1.141	6.392		
	+ 0.664		

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1924phae.proj..658C

Feb 14/15 — 1925

Ch.

V

G. C. T.			
1h 29m	480		
	653	173	
	2308	184	
	2492	357	+4.02
	498		+3.80
	684	186	
	2268	244	
	2572	430	+3.61
			565
	1357		Mean +3.76
	1588	231	9.41
	3134	239	
	3413	470	+3.41
	1415		+3.72
	1587	172	
	3209	184	
1h 43m	3393	356	+4.03
1 36			

4197.067
95.915
+1.152

4197.067
6.392
0.675

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1924phae.proj..658C

Feb. 14/15 — 1925

C.L.

VI

G.C.T.			
1h 57m	427*		
	666	239	
	2302	170	
	2472	409	+ 3.72
	485		+ 3.67
	692	207	
	2268	221	
	2489	428	+ 3.62
			565
			Mean + 3.63
	1407		9.28
	1594	187	
	3187	186	
	3373	373	+ 3.92
	1347		+ 3.58
	1604	257	
	3167	254	
	3421	511	+ 3.23

2h 9m

2 3

4197.085 — 4197.085

95.915 — 96.392

+ 1.170 — 0.693

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1924phae.proj..658C

Febr. 14/15 - 1925

R R Leonis 100224 Cl.

G.C.T			Phot T
3h 8	37.6	comp * dis	
	80.5	421	
	2216	393	
	2609	814	+ 2.15
	316		
	800	484	+ 2.05
	219.8	401	
	259.9	885	+ 1.95
			7.66
			mean + 2.10
			9.76
	130.3		
	170.3	400	
	302.0	485	
	350.5	885	+ 1.95
	1304		+ 2.15
	166.8	36.4	
	309.3	38.4	
8h 34m	347.7	74.8	+ 2.35

Comp * used above = +25°.2203 (7.3)
= 7.66 (HA 54)

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1924phae.proj..658C

Monday Febr. 16/17 - 1925

SV Tauri.

C.d. Obs

I

G.C.T.			
0 30	48.0		
	69.9	21.9	
	228.6	19.0	
	247.6	40.9	+3.72
	48.7		+3.59
	71.6	22.9	
	226.9	23.3	
	250.2	46.2	+3.45
			5.45
			Mean +3.85
	140.3		9.50
	157.3	16.6	
	321.1	18.4	
	339.5	35.0	+4.06
	140.8		+4.11
	157.7	16.9	
	320.5	16.8	
	357.5	33.7	+4.15

0 45

0 37.5

4199.026
98.082
+0.944

4199.026
8.559
0.467

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1924phae.proj..658C

Febr 16/17

C2.

II

1 3	573		
	702	189	
	228.5	195	
	248.0	384	+3.86
	50.5		+3.90
	69.8	193	
	247.2	178	
		371	+3.93
			5.65
	142.2		Mean +3.98
	158.5	163	9.63
	319.4	167	
	3061	330	+4.19
	179.8		+4.05
	159.3	195	
	339.8	182	
1 14	3380	377	+3.90
1 8.5			
4199.048	4199.048		
8.032	8.559		
+0.966	0.489		

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1924phae.proj..658C

Febr. 16/17

Class.

III

1 16	139.9		
	1592	193	
	3193	174	
	3367	367	+ 3.96
	1412		+ 4.10
	1565	153	
	3190	170	
	3360	323	+ 4.24
			5.65
	463		Mean + 3.91
	707	144	9.56
	2270	234	
	2504	378	+ 2.89
	50.0		+ 3.81
	69.8	197	
	2781	211	
1 27	2992	408	+ 3.72
1 21.5			
4199.057	4199.057		
8.082	8.559		
+ 0.975	0.498		

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1924phae.proj..658c

Febr. 16/17

C. Class.

IV

1 89	477		
	698	221	
	2258	246	
	2504	367	+3.96
	493		+3.96
	686	193	
	2299	174	
	2473	367	+3.96
			5.65
			Mean +3.96
			9.61
	1589		
	1558	169	
	3173	234	
	3407	403	+3.75
	1406		+3.95
	1587	181	
	3213	157	
1 52	3369	338	± 4.14
1 45.5			
4199.073	4199.073		
8.082	8.559		
+0.991	0.514		

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1924phae.proj..658C

Febr. 16/17

C. Law.

1 58	1284			V
	1576	192		
	3210	177		
	3387	369	+3.95	
	1393		+3.98	
	1577	184		
	3200	177		
	3377	361	+4.00	
			5.65	
			Mean +3.84	
			9.49	
	492			
	679	187		
	2269	231		
	2500	418	+3.67	
			+3.69	
	2263			
	2475	212		
	492	199		
2 9	691	411	+3.71	

2 3.5

4199.086
8.082
+1.004

4199.086
8.559
0.527

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1924phae.proj..658C

Febr. 16/17

C. Kam

VI.

2 21	482		
	698	216	
	2265	206	
	2481	422	+3.65
	578		+3.73
	648	180	
	2263	213	
	2476	393	+3.81
			5.65
			Mean +3.79
			9.36
	1588		
	1574	186	
	3162	236	
	3298	422	+3.65
	138.8		+3.69
	159.0	20.2	
	318.0	20.6	
2 38	378.9	408	+3.72
2 24.5			

4199.101
8.082
+1.019

4199.101
8.559
0.542

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Wednesday Sept. 18-19

L. L. L. G. M. T. Plot F L. S. C. rec.

RY Persei 23947

	B-	Comp	*	Dis
0 04 20	218.4			
	2598	414		
	400	428		
	828	842		+2.07
	2164			
	2600	436		+208
	405	403		
	808	837		+2.08
	-a-			Mean = +216
	~~2249.4~~			
	127.2			
	175 2	480		
	3174	370		
	35 44	85 0		+2.05
	129.9			
	169 4	395		+2.24
	315 6	326		
0 07 45	3482	721		+244

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Feb. 18–19

	L l b		
0 14:45	S.S. Aurigae	060547	Est 12.9
0 15:30	U Gem	071922	Est 12.8
	RU Per.	041342	Pot Towards S.
	2nd B	Comp	+ dis.
0:23:00	45.2		
	755	303	~~+28~~
	2192	370	
	2562	67.3	+26.0
	42.8		
	779	351	+51
	220.0	376	
	2576	72.7	+24.2
	@		
	1350		Mean = +26.6
	1666	316	
	3124	368	
	3492	68.4	+2.56
	137.4		
	1648	274	+2.80
	3136	280	
0 26:45	3416	55.4	+3.04
0 42-30	T. Orionis	053005	Est. 10.6

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Feb. 18 – 19

L C. obs.

0 50	δ Ori	050424	Est 9.6
6 5.1	R R Tau	053326	Est – 12.7
0 56	U Aur.	053531.	Est 12.8 Green
01 – 0	4 Ori	05 4920a	Est 11.2
1 – 1	4 Ori	054925b	Est 11.0
1 – 5	T. Tauri	041619	Est. 9.9
– 7	R Tau.	042209	Est – 9.7
– 11	S Tau.	042309	Est 12.9
– 2	W. Tau	042215	Est 11-0
– 23	R X Tau	043208	Est. 12.8

ζ Gem

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Feb. 18 - 19 - 1925

L.C. b

	ζ Gem	065720	Phot Pr.
	Sid R		Var Dist
1 - 24.100	86.8		comp + = close companion
	1088	220	
	2633	263	
	2896	483	-335
	88.8		
	1078	190	-344
	2662	254	
	2916	474	-354
	-B-		Mean = -350
	00		
	186	186	
	1744	250	
	1994	436	-358
	3560		
	3990	230	-355
	1768	218	
1 - 28.00	1986	448	-352

comp + = +20°, 1686 (8.5)

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LC 6b Feb 18/19 = 1925 Phot V

AB Aur 044930 B-b

	Dd - B	Var comp - Dis	
1-36-00	1074		
	1834	760	
	2963	703	
	3866	-146.3	-065
	1126		
	1878	752	-060
	2921	765	
	3886	-157	-054
	a		Mean -062
	2046		
	2748	702	
	269	737	
	1006	-1439	-070
	2055		
	2767	712	068
	226	776	
-39-00	1002	-1488	065

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Feb 18/19-1925

Phot J

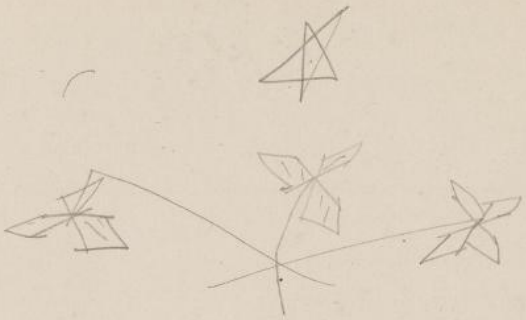
	l u aur	044920a	
	-a-		
1-40-00	306.6	comp + di	
	3506	440	
	1255	485-	
	1740	925	+185-
	2962		+165-
	3548	586	
	1296	500	+145-
	1796	1086	~~+145~~
	B		
			Mean + 164
	307		
	824	517	
	1174	470	
	2644	987	+169
	348		
	830	482	+ 163
	2140	552	+157
	2692	1034	~~+159~~
-1-44			

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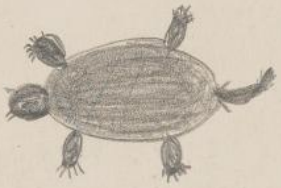
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