KG
11366
089

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8" POLAR EQUATORIAL

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for other obsy on same evening see clerk book

Friday March 22, 1912

Philip S. of Wesley 61 8" Polar Eq.

	X Hydrae 093014	est 11.3	
	~~0951~~		
	~~948~~		
9:32	18	L	9:30
			19.W
			−14.3
	T T Hydrae 094023	est <11.7	
	0951		
9:37	011	L	14
			9:55
			−23.4
	R Leonis Min 093934	est 9.6	
	0955		
	16W		7348
9:42		V	10:00
			19W
	R Leonis 094211	est 8.0	
	1000		
9:45	18	V	20.W
			10:03
			+11.8
	X Virginis 115609	est 10.2	
	1004		
9:49	152E	V	15~~3~~3E
			+9.9

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March 22, 1912

	O'Reilly Var 115609	est 8.0	
9:49			10.09
			9.9
	R Comae 115919	< 10.9???	
	1008		
	151		
	R Comae Ber 115919	< 9.7	
	1015		
	1.44 W	Low Bright	1408
10:02			10:19
			T 19.5
	T Virginis 120905	< 10.6	
	1020		
	1.49 #E	Very Hazy	147
10:06			10:23
			−5.6
	T Comae 121418	est 11.3	
	1025		
	149		148
10:10			10:27
			−18.6

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March 22, 1912

	SS Virgins	122001	est 8.0	
		10.29		
		1.51 ~~4~~ 3		
		29		
10.17		V	L	1478
				~~1017~~
				10.35
				+1.2
	T Can Ven	122532	est 12.0	
		~~10 17~~		
		~~2.08~~ 3	L	147
10.20		1036		10.38
		1.49		
				+32.0
	ψ Virgins	122803	L 11.0	
		1040		
		1.48	L	1044
				146
10.26				
				−3.9
	U Virgins	124606	est 11.1	
		1045		
		2.01		
10.30			L	159
				10.49
				+5.9
	~~U~~ Ursae Maj	090151	est 10.6	
		10.50		
		1.49		1.50 W
				10.51
				+5.2

a lgd
10.34

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March 22, 1912

agof

	~~S Hydrae~~	~~S~~	est 12.3	
10:40	χ Aquis	094512 1054 1.09W		1057 1:10W +12.3
10:46	ν Hydrae	104620 Aqus 1102 ~~14~~ 16	faint est 8.1	1103 16W −20.6
11.32	R. Virginis	130212 1147 ~~120~~ E 1.15E	est 12.3 L	11.30 1:13E −12.1
11:36	R Hydrae	132422 1152 1.32E	est 6.6 L	132E 1153 −22.8
11:41	S Virginis	132706 1155 1.32E	est 10.3 L	1159 1:30 −6.7

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	R V Ursae Maj	132954	est 10.4	
		1200		
		1,29 E		
11;43				12'01
				1;26
				+54.4
	R Can Ven	134440	est 11.7	
		1202		
		1,42 E		
				140
11'46				1204
				+40.1
	Z Bootis	140113	est < 11.9	
		1205		
		1,56 E		
				155E
11,48				1206
				+13.8
	S Bootis	141954	est 11.4	
		1208		
		2,11E		
				12;10
11;52				2;08
				+54.2
	R S Virginis	142205	est < 11.7	
		1212		
		2,10 E		
11'58				208
				12;15
				T5.1

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	γ Bootis	142539	est 8.9	
		1217		2.05 ε
		2.08 ε	L	
12;02				12;20
				+39.4
	ρ Bootis	143227	est 7.8	
		1221		
		2.11 ε		12;34
12;15			L	.138
				+27.0
	ρ Librae	150018	est C11.5 hazy ??	
		12~~37~~		
		~~2.24~~ ε		
		2.18	L	220
12;25				12;43
				−18.3
	γ Librae	150605	est 9.1	
		1245		
		2.21 ε		
12;~~38~~			L	2;19 ε
				12;48
				−5.6
	δ Librae	151520	est 9.0	
		1249		
12;37		2.26 ε	i	220 ε
				12;56
				20.1

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	S Serpentis	151714 1258 2.19 ε	est 9.5	
				13.00 2.16
12.43			∠	+14.5
	R S Librae	151822 1302 2.16 ε	est 8.7 V	
				20.9 13.12
				−22.6
	R U Librae	152714 1314 2.13 ε	∠ 11.5	
12.58				2.12 13.16
				−14.9
	~~S Ths. Vir~~	~~+53~~	∠ 10.5 ??	
	U Librae	153620a 1318 2.18 ε	L Very hazy	1325
106				−21.0
	U Librae	153620 ~~a~~	∠ 11.0 ??	
106			Very hazy	1325
			∠	−21.0

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8

	R Cor Bor	154428	est 8.1	
		1326		1328
		2.18 ε	+5c ✓	2'.16
110				+28.2
	– Coronae	155229	c 11.6	
		1334		
		222 ε	1532	
		2.18 ε	1500	
			52 ε ✓	
	RZ Scorpii	155823	est 9.3	
		1341		
128		2.17	✓	2'.14
				1347
				−23.8
	Z Scorpii	160021	c 12.1	
		1349	✓	
		2.11 ε		209
134				1353
				−21.4
	T R Herculis	160118	est 8.9	
		1354	✓	
		2.07 ε		14.00
143				202
				+ 18.4

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	U Serpentis	160210	est < 12.0	
		1402		
		200	<	200
1:46				1404
				+10.2
	RR Herculis	160625	< 11.5	
		1406		
		200	<	1407
				200
1:49				
				+25.3
	W Coronae	161138	est < 11.4	
		1409		
		202		2:00
1 53	1616		<	14:11
	14 13			
	2.03			+37.9
	W Ophiuchi	161607	est 11.9	
		1413		
		203		1421
2:03			<	1582
				-7.5
	V Ophiuchi	162112	est < 10.6	
		1422		
208		1,59	<	1562
				14:26
				-12.2

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1912phae.proj.10900

	U Hercules	16 21 9 14 28 1,53	est 9.6	32 14 1~~3~~ 150
2:~~2~~ 13			✓	
				+19.1
	S Hercules	16 47 5 14 34 2,13 ℰ	est 9.2	
2:17			✓	14:36 2:11 ℰ
				+15.2
	RV Hercules	16 56 31 14 37 2,19 ℰ	est 10.5	
2:21	17 06 14 41 2.25		✓	218 ℰ 1439
				+31.5
	TT Her	17 06 27 14 41 2,25 ℰ	est 10.9	
2:27			✓	14:45 2,22 ℰ
				+27.2
	Z Ophiuchi	17 14 01 14 48 226 ℰ	est 12.5 ✓	
~~2:58~~ 240				2,19 ~~14 58~~ 01.5

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	RS Hercules	171723 15 04 2,13 ℰ	∠12,2 L	
2;54				15 11 205 ℰ +23.0
	R N Ophi	172809 15 17 2,14 ℰ	∠11,9 L	
258				15;16 2 12 ℰ +9,45
	R Her.	175519 15 18 2,37 ℰ	∠10,3 L hazy	
15 4				2 33 ℰ 15;23 +19.5
	TS Ophi	174406 1524 2 20	∠11,6 L	
15;10				1 528 2;19 -6.6
	+ Hercules	180531 15 30 2,35	∠11,0 L	
15 20				15;39 3

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	R Cygni	193449	est 10.7	
		1540		
		354	V	348
1525				+50
				1543
	W Herculis	163137	est 9.1	
		1625		
1612		62		16:38
			V	00
				+37.6
	S Cor Bor	151631	8.3	
		1635		
		1.16		16:38
16:19		.19		1.19
				+31.5
	U Cor Bor	131432	7.0	
				1639
1620				1:25
				+31.9
	U Sagittæ	201520	C 10.6	
		1645	2015	2015
		330	1645	1655
			326	3.20

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U Cygni 201647
1642
3,34

est 7.8

1643
3325

1625

+47.5

213843
1908
438

SS Cygni

est 8.4

+43

Daylight now

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Monday April 8, 1912

Thetys S. O'Reilly Observer

8" Telav.

V Cancri	081617	est 9.0	
	1630		21.8
912	2.14W	✓	10.36
			t 17.4
W Gem	074922		
	1040		
	2.46		
070109	2 31		
1045			
3.44			
V Camelopardi	070109	est < 10.5? hazy	
	1045		
		✓	
R " "	070310	est 2100 ?? "	
		✓	
RR Mon	071201		
	1054		
	3.42	hazy	

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1912phaa.proj.10900

April 8.

S Canis Min	072708 1057 3.30	yt 7.7 L
U Puppis 9:40	075612 1102 3.06	10.4 L
L Hydrae ~~10~~ 9.43	083350 1105 2.32W	yt 10.6 L
S Hydrae	084803 1108 2.20	yt 10.7 hazy. L
T "	085008 1118 2.28W	L

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Wednesday April 10, 1912

~~Thursday~~

γ Hydrae	093014 1122 152	ext 11,4
		093014 ✓ 1039 104
985		
V Orionis	050003 0843 343	cloudy
	052036 0847 327	
T Lep.	050022 0845 345 W	to fair with prodec
β Aur.	050953 0846 343	to fair west
W Aurigae	052036 0847 327	ext 2 11,9 ✓

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April 10, 1912

	S Aurigae	055203 4	est 10.3	
		0849		
7:20		329		849
				3:30W
				+33.9
	RR Tauri	053326	11.3	
		0850		
7:24		3,27W		853
	U Aurigae	053531	est 10.0	
		0855		
7:27		320		322W
				~~315~~
				+31.8
	SU Tauri	054528	est 9.5	
		0857		
7:31		312		315
				9:00
				+268
	RW Gem	055523	est 9.5	
		0901		
		306		

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April 10, 1912

– Sun	05 55 23	est 11.8 ✓	905
~~9:05~~ 7:36			
			+23.1
TZ Aur	055622	est 9.6 ✓	
	0986		311
	310		987
738			
			+22.1
Z Tauri	054615	est <11.8?	
	~~0908~~	✓	
	309		
	24		
RW Tauri	05	est <11.8 ✓	
		063558	
		0912	
		237	
W Orionis	054920		
	0911	To cloud ✓	
	322		

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1912phaeo.proj.10900

April 10

SS Aurigae 060547 est <11.9
0913
308
9 48 <

+47.6

V Mon 061702 est 8.1?
0917
300
V

X Tau 064030 est 7.8?
0920
240
7 55 <

244
T33.1

RX Tau 064333 est 8.9
0925
242
9.26
244 V
8 58 <
T33.1

W Mon 064707 <10.6
0928
241
242
8 59 <
9 29
—7

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Apr. 10

	RU Mon	064907	~ 10.6	
8:00			✓	929
				−7.3
	Y Mon	065111	est 11.7	
		0930		
		2,39N		
802			✓	240
				931
				+11.1
	R Lyncis	065355		
		0932	to for west for obs.	
		239		
	RS Gem	065530	est 12.2	
		0933		
		2,38		
8:07			✓	242
				936
				+30.5
	R Gem	070122a	~ 11.4	
		0937		
		236		
8:10			✓	238
				939
				+22.6

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Apr. 10

	V Cam Min	070109	C11.7	
		0940		
812		239		242
				942
				+9.0
	R Cam Min	070310	est 9.7	
815				
				242W
				944
				+10.1
	S Cam Min	072708	est 7.95	
		0945		
8:18		218		222W
				948
				+8.4
	W Puppis	075612	est 10.5	
		0949		
8:24		153		157W
		075612		952
		0952		
		156		−12.7
	X Ursae Maj	083350	est 10.25	
		0955		
8:26		122		125
				955
				+50.2

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Apr. 10

S Hydrae	084803 0957 1.11W	10.0? ✓
RR Mon	071201 1003 2.51	est < 12.0 ✓
U Sex	074922 1007 2.16	est 11.6 ✓
T Hydrae	085008 1030 1.40	est 9.9? ✓
V Canum	081617 1036 2.20 ✓	est 8.9

9.9

— 08

224
03 8

+17.3

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Apr. 10

9 03	R R Hydra	094623 1040 100	∠10.0? hazy	
9 16	R Sex Var	093934 1045 105	est 9.7	
	R Leo	094211 1047 105	est 6.2	+ 37.6
	R Com Ber	113919 1049 110 ε	est 9.7?	
	V Hydrae	104620 1051 5	est 8.6	

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1912phae.proj.10900

Apr. 10

	X Virgin	115609 1056 T00E	est 10.3
927			✓
	O Kellys Var	115608	7.8
928			✓
	† Virginis	12 0905 1100 1 09E	~11.7
932			✓
			-05
	R Corvi	12 1418 1103 111E	est 11.2
935			✓ 11 04 ~18.6
	SS Virgin	122001 1107 113	✓

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Apr. 10

J Can Ven	122532 11 10 1 15	pt 11.5
V Virginis	122803 11 12 1 16	
S T Bootis	143227 16 50 2.7 8W	pt 8.2
V "	142539 16 54 2.29	pt 8.3
R S V.	142205 16 58 236	< 10.0?

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Apr. 10

R CanVen	134440	est. 7.8
	1702	
	318	
T V Ursa Maj	132954	
	1705	
	336	to forward prism
R Hydrae	132422	
	1706	
	342	to forward slit
R Thrian	150018	11.6?
	1707	
	207	
" "	150605	8.5
	1612	150605
	106	1716
		2.5

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Apr. 10

S Librae	151520 1718 203	9.1 ✓
S Serpentis	151714 1722 205	9.7 ✓
R CrB Var	153428 1726 142	7.1 ✓
R Z Scorpii	155823 1729 131 3 3	9.6 ✓
Z "	160021 1734 134	9.9 ✓

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Apr. 10

T Ursae Min. 165631
1737
141

SS Cygni 2138+43
1742
404
065333
1905
307

+2.d

06=

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808

Saturday April 13, 1912

SS Aurigae	060547 094½ 337W 3.41W	to clear region
X Geminorum	064080 0950 3.10W	est 9.8?
R Gem	064333 0958 315	est 9.0
Y Mon	065111 0959 308	est 11.7
RS Gem	065538 1002 307	est 10.? Look up.

?

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Apr. 13

	R Lyn.	070122a 1006 305	11.2
8:23			✓
	V Camelop.	070109 1008 307	11.2
8:26			✓
	T Cam "	070310	est 10.3
8 28			✓
	S Cam "	072708 1012 245	est 7.9
8 30			✓
	U Puppis	073612 1015 219	11.0
8 32			✓

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Apr. 13

X Ursae Maj 083350 ert 10.3
1016
143

8:34 ∠

S Hydrae 084803 9.6
1020
132

8;40 ∠

R R Mon 071201 ∠11.9
1022
310

8;42 ∠

U Gem 074922 ∠11.2
1028
239

8 45 ∠

T Hydrae 085008 ∠10.0?? hazy
1030
140

8 450 ∠

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apr. 13

	X Hydrae	9 3014 1034 104	<11.0 ✓
932			
	V Canem	0816 17 1035 219	est 8.9 ✓
955			
	RR Hydrae	094023 ~~1056~~ 116 1043 103	cloudy region ✓
	R Leo Min	093934 1044 105	est 10.4 ✓
	R Lonis	09 42 11 1046 104	est 6.2 ✓

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Apr. 13

R Comae B.	113919 1048 111E	C10.2
V Hydrae	104620 1050 4E	9.5
X Virginis	115609 1055 101E	~~7.7~~ 10.2
S Muscae	11 5609a	~~10.2~~ 7.7
T Virginis	120905 1057 112	C11.0

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1912phae.proj.10900

apr. 13

9:15

R Corvi	121418 1039 115	<10.0?? hazy ✓
88 Virginis	122001 1100 120	Cloudy
T Canum	122532 1102 123	10.7 ✓
γ Virginis	122803 1105 123	<11.0 ✓
U Virginis	124606 1110 136	7.9 ✓

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1912phae.proj.10900

Apr. 13

S Virginis	132706 1116 211	< 10.4
R Hydrae	132422 1119 205	est 7.5
RV Virginis	130212 1121 141	
R Bootis	143227 1124 368	est 6.2

Clouded over after midnight & hours for stars & comp when I could observe

1912phae.proj.10900

Friday April 19
Kelly, Ziff, Wolbach Observe 8" Star

	X Hydrae	093014 1149 2.19	est 11.8	
9:45			✓	1150 221W -14-4
	V Cancri	081617 1152 336W	est 8.9	
9:50			✓	340W 1156 +17.5
	TT R Hydrae	094023 1157 217W	< 12.0 ?	
9:59			✓	223W 1205 - 23.7
	TT Leonis Min	093934 1206 221W	est 10.3	
1002				229 1208 +34.8
	TT Leonis	094211 1209 227	est 5.8	
1004			✓	228 1210 +11.8

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1912phae.proj.10900

Friday April 19

	V Hydrae	104620 / 1211 / 1,25 W	est 8.4	
1007				1.26 W 1213 +19.2
	R Comae Ber.	115919 / 1218 / 1,19 W / 01	11.5	
10:15				023 1222 +19.2
	X Virginis	113609 / 1223 / 027 W	est 10.3	
10:18				028 1225 +9.9
	S Scuti ?	113609	est 7.8	
10:18				028 1225 +9.9
	SS Virginis	122001 / 1226 / 06	est 8.5	
10:22				7.m 1228 +01.2

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Apr. 19

	T Virginis	120905 1230 .21W	<11.5	1230 21, W −5.5
10;24			✓	
	R Corvi	121418 1231 .17W	et 11.0	17W 1235
10;28			✓	−18.9
	T Can Ven	122582 1235 10W	et 10.7	11W 1236
10;30			✓	+32.0
	Y Virginis	122803 1237 09W	et 11.5	10 1240
10;33			✓	−4.0
	U Virginis	124606 1244 35	et 8.0	018 1244
10;38			✓	+5.8

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Apr. 19

	S Virginis	132706 / 1245 / .42 ε	1.0.3	
10.42				39 ε / 1248
				−7.0
	T Hydrae	132422 / 1244 / .47 ε	>7.0	
1043				46 ε
				−23.0
	R V Virginis	130212 / 1253 / 59	cloudy in region	
		cloudy over		
			106	

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April 20, 1912

	SS Aurigae	060547 09 52 3.47 W	to faint west	
	X Gem	064030 0954 3.14	< 9.5	
7 46				3 15 9 57 +30.4
	RX Gem	064833 0958 3.15 W	est 9.2 ✓	
7:50				3 16 10:00
	W Mon	064707 1001 3.14 W	< 11.2 ? ✓	
7:53				1003 −7.0
	RU Mon	064907	< 11.2 ?	
7 53			✓	1003 −7.1

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2

Apr. 20

	Y Mon	065111	est 11,8	
		1004		
7 55		3,13 W	⌣	3;13 W
				10;05
				+11.3
	RS, Gem	065530	⌢11.5	
		10.06		
7:58		3,11 W	⌣	3,12 W
				10;08
				+30.5
	R Gem	070122a	⌢11,5	
		1009		
8;00		3,08	⌣	3.08 W
				10;10
				+22.8
	V Cam Min	070109	est ⌢11,9	
		1011		
8;01		3.10 W	⌣	3;10
				10;11
				+ 9.1
	R " "	070310	est 11.3	
8;03			⌣	3;10
				10;13
				+10.0

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3 Apr. 20

	S Canis Min	072708	est 7.9	
		1014	✓	
		247		2;49
8;06				10;16
				8;3
	U Puppis	075612	est <11.0	
		1017		
		2.21W		2 21
8;07			✓	1018
				−12.6
	χ Ursae Maj	083350	est 10.4	
		1019		
		1.46	✓	10;20
8;10				1;49
				+5.04
	δ Hydrae	084803	9.1	
		1022		
		1.34		
8;13			✓	1 35
				10;23
				−3.1
	π R Mon	071201	<11.8	
		1025		
8;15		313	✓	3;13
				10;26
				+1.2

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4 Apr. 20

	U Gem	074922 1027 2,36	∠11.5 Cloudy	
8;17			∠	2;37 1028 +22.1
	T Hydrae	085008 1029 1,39	∠10.0?	
8;20			∠	140 1031 −8.6
	X Hydrae	093014 1032 58 W	est 11,6	
8 22			∠	100 1033 −14.5
	V Canum	081617 1034 2,18 W	est 9.9	
8;25			∠	220 10;36 +17.6
	R Leonis Min	093934 1037 56	est 10.2	
8;28			∠	58 W 10;41 +35.0

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5

Apr. 20

	R Leonis	094211 1042 100	est 5.9	100 1043
10:34				
	V Hydrae	104620 1046	est 8.5	
8:37			V	000 10:47 −20.6
	R Coma Br.	115919 1048 111ε	< 11.3	
8:38			V	10:49 1:10ε +19.3
	X Virginis	115609 10 50 106	est 10.3	
8:40			✓	10:50 106ε +9.6
	O Reticuli	115609	11.8	
8:40			✓	1050 1.06ε +9.6

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6

Apr. 20

	SS Virgin	122001	est 8.5	
		10.52		
		128 ε		
8:44				126 ε
				10:54
				1.0
	T "	120905	∠11.0	
		1055		
		1.14 ε		
8:45				1055
				1:13 ε
				−5.5
	R Com	121418	est 11.0 Hazy	
		1057		
		1.17		
8:47				10:57
				1-16 ε
				−18.4
	T Com Virg	122532	est 10.8	
		1058		
		1.27 ε		
8:50				1:26
				11:00
				+82.0
	Y Virginis	122803	est 11.8	
		1101		
8:52		1.27 ε		127 ε
				11.02
				−3.9

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1 Apr. 20

	U Virginis	124606	est 8.0		
		1105			
		1,41ℰ			
8:57			✓		139
					1107
					+6.1
	δ "	132706	est <11.3 quite hazy		
		1108			
		2,19ℰ			
8:58			✓		219ℰ
					1109
					-7.1
	R Hydrae	132422	7.5		
		1170			
		2,14ℰ	✓		
9:01					2:13
					11:11
					-22.6
	R Boötis	143227	est 8.3		
		1172			
		3,20ℰ	✓		
9:02					320ℰ
					11:13
					+27.1
	R V Virginis	130212	>9.3		
		1115			
		1,47ℰ	✓		
9 07					143ℰ
					11:18
					-12.2

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Apr. 20

	R V Ursae Maj	132954	est 11.3	
		11 20		
		2 09 E		
9;10			✓	1121
				207
				+54.3
	R Can Ven	134440	est 9.7	
		11 22		
		222		
9|13			✓	11;24
				2;19
				+40.0
		Short-Periods		
	– Leo Min	094233	est 10.2	
		11 27		
		~~15~~		
922		1.45 W	Lack of comp stars	149
			✓	1133
				+33.5
	X Leon	094512	12.0	
		11 34		
		1,49 W		
9;25			✓	1;50 W
				1135
				+12.2
	V Ursae Maj	090151	est 10.5	
		11 36		
		2.35 W		
927			✓	236 W
				1137
				+51.5

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9

Apr. 20

	V Virginis	13 22 02		
	W "	13 20 02 1 40 1.42 W		
	V Bootis	14 25 35 11 23 2	est 8.4	
12;14				14 25 o va +39.2
	R Cor Bor	15 44 28 14 26 1.18 2	est 7.1	
12;17				1;16 14 28 28.4
	S Serpentis	15 17 14 14 30 .47 2	est 9.7	
12;21				44 2 .43 2 +14.5

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Apr. 20

	Z Bootis	140113	est <11.2?	
		1437		34W
		33W		
12;23			✓	1434
				+13.9
	S Boots	141954	est 10.4	
		1435		
		16W		19W
1229			✓	1438
				+5410
	~~S~~ Librae	~~151822~~	let 8.5	
		~~1440~~		22E
12;34		38E	✓	1445
		130605		
		1444		-5.6
		~~12~~ 22E		
	~~S +~~	~~151520~~		
		1446		
		29E		
			✓	
	R T. Librae	130018	<11.9	
		1448		
		12E	✓	

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apr. 20

R Serpentis	154613 1450 56	
Z Scorpii	160021 1455 105	est 9.3
RZ "	155823 1457 101	est 9.8
W Serpentis	160210 1459 103	<12.0
	162712 1502 119	
V Ophiuchi	162112	<12.0??,

154

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Sunday April 21, 1912

Lick 6" Transit Circle

1" Polar Eq.

	U Puppis	075612 10.3.3 2.37W	≥11.0	
	X Ursae Maj		10.2	219 W 10 5̄2
8.38		083350 10 48 W 2.15̄		
				+50.4
	S Hydrae	084803 10 5̄3 2.05̄	9.4	2.10 W 10.5̄8
8.44				
				+ 3.4
	V Can Mm	070109 10 55̄ 3.54	≥11.9	3.5̄6 10.5̄9
9.45̄				
				+ 9.1
	R Can Mm	070310	11.2	3.57 11.0
9.46				
				+ 10

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Apr. 21

R R Mon	071201	c ☆ 11.9	
	1101		3.44
	~~9.41~~	✓	11.09
9.45	3.39		
			+1.5
γ Hydrae	085008	c ☆ 10.0	222 W
	11.10		11.12
	2.20		
9.58			
			−8.5
χ Hydrae	093014	11.8	1.44
	11.12	✓	11.15
	1.42		
9.00			
			−14.0
V Canes	081617		
	1115	Hazy, cloudy in region.	
	~~269~~		
	2.59		
✓			
R Leonis Min	093934	10.2	
	1118		1.43
9.8	1.39	✓	1121
			+35.0

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April 01

	R. Leonis	094211	6.0	1.43
		V121		1.25
9.11		1.39		
				+11.9
	V Hydrae	104620	~~6.0~~	41.W
		11.26	9.0	11.29
9.15		.40		-20.6
				~~41.W~~
				~~+0.1~~
				~~+11.9~~
	R. Com. Ber.	115919	<11.3	025W
		1130		11.35
		21		
921				
				+19.5
	χ Virginis	115609	10.3	E18.
		1130		11.42
		~~40~~		
9.27		20E		
				+9.9
	U. Ursæ Maj. Var.	115609	~~7.8~~ 7.7	
				18E
9.27				11.42
			170	
				9.9

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May 10, 1912 Friday

Tulip 2.0 Hilly Clouds 8" Polar Eq.

U Virginis	124606 1716 4.30	to far west	
S "	132706 1717 3.50 W	est <10.3	
1:54			1721 3 55 W — 6.8
R Hydrae	132432 1723 3 89	to far west 130212 1730	
R Bootis	143227 1724 2.52 W	est 9.0	
2.02			17:30 +27.0 300
RS Virginis	142205 1733 3.11 W	<11.5 OK V	
2:06			313 1735

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	V Bootis	142539 1736 3 11 W	est 8.8	
2:09				17:37 +39.2 3:13 W
	RCor Bor	154428 1739 1.55 W	est 7.3	
2:13				159 1742 +28.3
	SS Serpentis	151714 1743 2.26 W	est 11.1	
2:17				229 17:46 +14.4
	Z Bootis	146113 1747 3.46 W	cloudy in region	
	S "	141954 1748 3.29 W		

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	~~S Ths Aur~~	~~+53~~	est 8.35	
	γ Librae	150605		
		1750	L	1752
224		2.44 W		248
				~~8~~ - 5.7
	S "	151520	> 9.0	
		1756		
		241	L	
	RT "	150018	< 10.0 ?	
		1800		
		25F	L	
	R Serpen	154615		
		1802		
		216		
	– Coronae	155229		
		1806		
		12.14		

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9:20

May 17, 1912 Friday

8" Polar Eq. Intrp L M Kellyglk.

	~~8~~ Vuguis	115609	est +0.3	
		1321		
9:28		1.25W	V	1.26W
				1326
				+9.6
	O Kellyeen	115609a	est 7.9	
9:28			V	1.26W
				1326
				+9.6
	R Comae Ber	116919	est <11.2	
		1328		
9:31		1.29W	L	1.31W
				13:30
				+19.1
	R Leonis Min	093934	est <10.5	
		1331		
9:35		3.52W	L	3.54W
				13:54
				+35.0
	S S Vuguis	122001	est 8.1	
		1336		
9:39		1.16W	L	1:17
				1337
				+1.2

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	T Virginis	120905 1338 1.29 W	∠10.7	
9:43			L	131 W 1342 −5.5
	V Hydrae	104620 13·43 2.57 N	est 8.4 hazy	
9:46			L	1344 2.58 W 20.8
	W Virginis	124606 1346 100 N	est 8.7	
9:51			L	01.02 13:49 6.0
	TR Corvi	121418 1350 1.36W	∠11.0	
9:53			L	136 1352 −18.6
	T Can Ven	122532 1353 1.28	est 10.2	
9:55			L OK	129 1354 +31.8

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	γ Virginis	122803 1353 1,27 W	10.0	
9:58			C	1357 1,28 W −4.0
		124204 1359 1,17		
	S "	132706 1403 36	est < 10.4	
10:08			C	1405 36 W −6.6
	R Hydrae	132422 1406 42	est 8.5	
10:12			C	~~Pt~~ 44 W 14:08 −22.8
	R Boötis	143227 1410 228	est 9.5	
10:14			C	218 14:11 T 27.1
	RV Virginis	130212 1413 1,11 W	< 11.2	
10:20			C OR	1:12 W 14:16 −13.0

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	RV UrsaeMaj	132954	11,1	
		1418		
		49 W	L	1419
10:22				58 W
				+54.2
	RCanVen	134440	9,0	
		1420	L	
		36 W		
10:25				1421
				38 W
				+39.9
	RS Virginis	142205	L 11,2 very hazy	
		1423		
		01		
10:28				1424
				001
				+5,1
	V Bootis	142539	L est 8.7	
		1425		
10:30				1426
				001
			<	
				+39.1
	RCor Bor	154428	est 7.4	
10:33		1428		
		116 #8	L	1148
				1430
01				
				+28.4

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	S Serpentis	151714	1.0.1	
		1431		
		040 E		43E
10'.38				1435
				+14.9
	Z Bootis	140113	L11.2?	
		1436		
		35W		36W
10.40				1437
				+13.6
	~~RS Librae~~	151822	L10.5??	
		1439		
		39		
	~~S Serpentis~~	151823	153620a	
	U Librae	1447	1455	
		~~38~~	41E	
	~~Coronae~~	155229	L10.5??	
		1449		
	U Librae	+04		
		153620b		
	Y "	150605	est 88	
		1456		
		10		
11'.00			OK	10E
				14.57
				-5.4

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	S Sulvae	151520 1459 0,1.6 ℰ	9.1 hazy	
1105			L	15.01 15 ℰ −20.2
	RT "	150018 1503 03W	∠11.5?	
1107			L	02W 15.04 −18.6
	S Bootis	14954 1505 46	∠10.6	
11:11			L	49W 15 08 ✓ 54.1
	Z Scorpii	160021 1511 49	≈ 9.7?	
11:16			L	49 ℰ 15:12 −21.5
	RZ "	155823 1513 43	est ∠10.5? hazy	
1121			L OK	42 15:18 −24

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	U Serpentis	160210 1519 43E	<12.0	
11 24			<	1519 43E +10
	V Ophiuchi	162112 1521 100E	<10.5	
11 26			<	100 1523 -12.3
	W Coronae	161138 1523 48	<10.5	
11 32			<	1528 41.8 +38.0
	RU Her	160625 1534 32E	<11.5	
11'.36			<	1533 278 +25.5
	RHer.	160118 1534 27	est 9.11 ?	
11'.42			< OK	338 +18.7

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	SV Herculis	165631	<11.2	
		1606		
		50 s		
12:12			⌐	16 08
				48.8
				+31.2
	S "	164715	est 10.5	
		1610		
		37		
12:13			⌐	16:10
				37 8
				+15.0
	W Cor Bor	161138	less <11.5	
		1612		
		1		
12:17				16 13
			⌐	0 2
				+38.0
	W Her.	162119	est <10.2	
		1615		
		62		
12:20			⌐	16:14
				5 2
				+18.9
	Z Ophi	171401	est 9.0	
		1618		
		56		
12:23			OK	16:19
				5 62
				1.6

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1912phae.proj.10900

	RS Her.	171723	est 10.3	
		1621		
		56		
12 25				1622
				55 E
				+23
	RU Oph	172609	< 11.5	
		1623		
		103		
				1625
12 28				103
				+9.2
	RY Her	175514	est 9.3	
		1626		
		±29		
				1628
12 31				127 E
				+19.3
	RS Oph	174406	< 11.6	
		1629		
		115		
				1630
12 33				111 S
				~~+~~ 6.4
	+1 Her	180531	est 10.9	
		1630		
		1.35 E		
12 38				1635
				130 E
				+30.9

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1912phae.proj.10900

	R Cygni	~~19 04~~ 193449 1636 258	∠ 12.0	
1245			C	+50
	RT Cygni	193948 1644 255	9.5?	
			C	
	U Sagittae	201520 1658 317	▶ ∠ 9.0	
			L	
	U Cygni	201647 1657 319	est 7.7	
1257			L	320 1654 +47.2
	SS Cygni	213843 1655 442	12.0	
1259			—	1654 440 +43.5
		OK		

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	TR Peg. 21 40 24	211.9 ?	
	1700		
	4 2		
13:06		C	1703
			+ 24.5
	VV Aqui 21 02 45	C	
	1704		
	.358		

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1912phae.proj.10900

3" Philip G O'Reilly Clark

8" Polar June 3, 1912

~~est~~ Nova June 2.192 est 9.4

Nova June 3, 1912 est 7.6

R Leonis 094211 est 6.1

χ Hydrae 093014
1426
~~4 56~~ 4 fair w

R Comae 11 59 19
1427
2.2 bw 2 10.0 ? ? ?

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1912phae.proj.10900

~~V Coccini~~
× Virgin 115609 est 13.7
1432
236W

R Com Ber 115919 est 9.6
1488
239W

1441
241

+1911

~~R Com Min~~ ~~093934~~
~~14~~

S S Virgin 122001
1423
203

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1912phae.proj.10900

7
June 5, 1912

RS Vir	142205 1658 2,36 W	142539 1705 2,40	
X Virginis	115609 1423 2,27 W	< 10.5	
Sullivan	115609	8.8	
T Com Ber	115919 1426 2,27 W	est 9.9	1427 1429 +19.2
T Virginis	120905 1429 2,20 W	to cloudy in region	

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V Hydrae 104620
1430
3,44W
to far west for dec.

4 Virginis 124606
1431
1.45
to cloudy

T CanVen 122532
1433
2,08W
est 9.7
1228
1435
2 07
1434
2,08
+32,

R Bootis 143227
1438
6W
to cloudy

R Ursae Maj 132954
1441
1 12
est 11.1
1442
1,13W
T 54.4

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June 8, 1912 Philip S. Kelly

Polar Telescope

TCanVen	134440	est 8.0	
	~~1628~~		1630
	~~1.01~~		+39.9
11:00	~~236~~		244W
	241		
TTSVirginis	142205	est 12.0	
	1632		
	2.10W		1640
			2.15W
			+5.1
VBootis	142539	est 8.5	
	1641		
	2.16W		1643
			2.16W
			+39.3
TCorBor.	154428	8	
	~~1646~~		
	1.02W		1652
SSerpentis	151714		
	1658		
	1.36		

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Sunday June 9 1912

8" Polar Eq

RCorBor.	153428	6.8	
	1804		1806
	2,20 W		221
12:37			+28.2
S Serpentis	151714	et 9.7	
	1807		
	250	1513	
	1517	1810	
	1817	257	
	300		
~~Z~~ Ophiuchi	150605		
γ Librae	1825	to forward for dec	
	319	1315	
		~~1826~~	
		311	
~~S~~ Bootis	~~141954~~		
	1827		
	4.08		
Z Scorpii	160021	9.9	
	1828		18132
	2.28 W		230 W
~~to~~ :			
1:04			-21.5

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RZ Scorpii 155823 <11.5
1883
2.85W

U Serpen. 160210 <12.0
1840
2.38W

V Opin 162112 <11.7? m dwarf
1843
2.22W

W Coronae 161138 <12.0
1847
2.36W

RW Her 160625 <11.4
1854
2.48

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T Herculis	160118	< 11.7
	1856	
	2,55W	
—Cont.	155229	< 11.0?
	1859	
	3,07	
RU Ophiuchi	152714	
	1902	to fainter
	3,35W	
RV Her.	165631	< 12.0
	1903	
	2,07	
S Her	144715	6.6
	1906	
	2,19	

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W Cor. B. 161138 <12.3
1913
302

U Her. 162119 <11.5
1918
257
17 0k
13.67
3.59

26

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June 14, 1912

Tuttle & Kellyville. 8" Polaris Fav.

TT V Herculis 132954
1708
3,39W

to far west

T Can Ven 134440 >7.5
1710
3,26 W

17:12
3,27 W
+39.8

T S Virginis 142205 est 10.2
1713
2,51 W

17:18
3.55 W
+5.0

T Bootis 143227
1720
2,48 W

to Cloudy in region

V " 142539 8.8.
1723
2,58 W

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R Coz. Bov. 15 44.28 6.8
17 34
1, 5 6 W

S Serpentis 15 17 14 9.7
17 35
2 1 8 W

~~Z Bootis~~ ~~14 01 3~~
~~17 43~~
~~34~~
Y Librae 15 06 05 to farmer
17 44
2, 38 W

10° 24
8

~~10~~ 24 8 5 19
5 12 5 6
4

1209 1246
1620 1621
4.11 3.35

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Minor variable pair

June 20, Thursday

8" Plate Eq.

Ruth G. Kallyden

R Hydrae	132422	est 9,6
	1607	
	2,4 3W	
	12235	2;4 &
	1615	16;13
	3 50	
S Virginis	132706	
	1615	
	2.48	132212
		1624
		3,22
T Can Ven	122532	est 9,8
~~RV Ursa Maj~~	~~132454~~	7,8
~~1625~~		
~~2.56~~		
R Can Ven	134440	
	1626	
	242	
RS Virginis	142205	> 9,5
	1627	
	2,05	

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V Bootis	142539 1636 2,11 W	8.9
T Cor Ber	154428 1640 56	6.9
8 Serpen	151714 1641 124	10.3
Z Bootis	140113 1644 2,43	1
4 Librae	150605 1647 1,41	10.1

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Shilaw	151520 1651 1.36	☆< 9.8
RT "	150018 1656 1,56	

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7:30
12:30

Tuesday, August 6, 1912

8" Polar Eq. Tulip & Rilly Clear.

γ Librae	150603 1746 2,40 W	1744 1515 150018 1748 2,44 W 233 cloudy in region ✓	
S Serpentis	151714 1748 2,31 W	est 8.6	1754 2,37 W
8:36		55 27 27 ✓	+ 14.4
RU Librae	152714 1756 2,29 W	to cloudy	
8:45			
R Cor. Bor.	154428 1758 2,14 W	~6.5 ✓	1803 2,19 +28.4
~~#~~ Coronae	154698 1805 2,19 W 15.52.29 1820 28	15 52 1 2 7 2 3 5	

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Aug 7.6

	R Her.	160118 1831 230	est 9.1
9.22			✓
	U Serpen	160210 1841 239	<12.0
9.23			✓
	RU Her.	160625 1853 247	9.63
			✓
	W CorBor	161138 1858 247	<12.0
			✓
	W Ophi.	161607 1902 246	too faint for

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Aug 16

U Herculis	162119 1964 2.73	4/2.0 ✓
S "	164715 1908 2.19	4/2.0 ✓
R Herculis	165631 1912 2.16	4/1.5 ✓
RT "	170627 1919 2.13	4/1.0 ✓
Z Ophi	171401 1921 2.07	est 8.6 ✓

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Aug 16

RS Her.	171723 1924 207	<11.7 Todd's Spectrum Star
R Ucrpi	172809 1932 24	<11.5 ✓
RS "	174406 1937 133	<11.0 ✓
RY Her.	175519 1941 136	9.5 ✓
- Sag.	180218 1944 1.42	

to for Sum

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1912phae.proj.10900

Aug 16, 1912

T Herculis	180531 1946 1,41	<11.5 ✓
RCygni	193449 1936 2 24	<12.4 ✓
U Sagittae	207520 1953. 228	<11.0 ✓
U Cygni	201647 1955 29	9.8 2016 2023 13
VV Cygni	210245 2006 57 6	

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August 16, 1912

JJ Aqr	213843 2013 125	11.7
		✓
RT Peg.	214024 2018 122	∠12.0
		✓

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Thursday August 15, 1912

8" Polar Eq. — Philip S. Reilly Obsr.

	TT Herculis	170627 1925 2.19 W	∠12.2?	
9:45			✓	1933 2:24 W +27.1
	Z Ophiuchi	170401 1934 2.20	est 9.2	
9:51			✓	1941 .225 W +1.5
	RS Herculis	171723 1942 2.25 W	est 11.0	
9:56			✓	2:28 19:46 W +23.0
	RU Ophiuchi	172809 1947 2.19 W	est ∠11.0	
10:01			✓	19:53 2:24 W +9.5
	RS "	174406 1955 2.11	∠11.6	
10:05			✓	19:58 6.9 2.12

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1912phae.proj.10000

Aug. 15, 1912

	RY Her.	175519 1959 2 07	< 11.2	20.05
10:13			✓	209 W + 19.5
	— Sagittarii	180218 2006 2.04	est 8.0 ??	
10:18			✓	207 20:11 −18.5
	T Herculis	180531 2012 2.07	est 11.0	
10:25			✓	20:17 2:12 W + 30.9
	R Cygni	193449 2018 .44E	< 12.3	
10:28			✓	46 W 20:19 + 49.9
	RT Cygni		est 8.1	
10:42		1939 48.4 2022 43	23.0 ✓ 21.3 1 1.30	49 W 20:50 + 48.4

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Aug. 15, 1912

	V Sagittae	201520	est 11.7	
		2031		20'36
		16W		19W
1045				
				+20.9
	U Cygni	201647	est 10.0	
		2037		20.39
		21W		23W
10'48				
				+47.48
	Var on same chart		est 7.4	
10'50				2042
				35
				+47.4
	V V Cygni	210245	12.0	
		2043		2045
		019E		16E
10'53				
				+45.2
	SS Cygni	213843	est 12.0	
		2047		2048
		51		50E
1055				
				+43.1

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1912phae.proj.10000

1930

August 15, 1912

	R R Pegasi	21 40 24	∠ 11.7	
		20 50		
10:58		.50 E		20 51
			∠	50 E
				+ 24.5
	T And.	00 17 26	est 9.9	
		21 40		
	✓	2,37 E		21 45
11:53			∠	2 33 E
				+ 24.5
	R "	00 18 38	est 11.4	
	✓	21 46		
		3,32 E	∠	21 52
11 58				2 29 E
				+ 37.8
	T Cassiopeiae	00 17 55	est 7.5	
		21 53		
12:01	✓	2,24 E	∠	21 54
				2 21
				+ 55.1
	S Ceti	00 19 09	∠ 9.0 cloudy	
	✓	21 55		
12 03		224 E	∠	21 52 E
				222 E
				− 9.9

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August 15, 1912

	V Cassiop	2 30759	8.2	
12:10		2202	✓	2204
		1058		1,008
		Clouded over & was thick until it broke again		+5911
	W Cas.	004958	<10.9?	
		2319	✓	23:30
1:30		1308		120
		✓		+57.9
	RY And.	013238	<11.9	
		✓	✓	2335
1:42				159
				+38.1
	γ And.	013338	<11.9	
		2330		
1 38		2038	✓	2332
		✓	✓	+38.8
				2022
	o Cet	021403	>6.0	
		2337		
1 48		237	✓	235
				2342
				-3.5

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1912phae.proj.10000

Aug 15, 1912

R Ceti 022000 9.5
2343
2,378
0017
2 03
0 223
0020
2 03
0.27
1.58
2.33

R/R Persei 022150 < 11.4
0028
1,53 E
0.40
2.48

U Ceti 022813
0041
1.47 E

τ Arietis 024217 < 10.8
0045
1 57
2.58

1912phae.proj.10900

Friday August 16, 1912

Philip L. Pratt Observ. 8" Polar Eq.

	R Cor Bor.	155428 1758 2.14 W	est 6.8	18:00
8.06		1800 1546 2.14	1804 1546 218	2.14 W +28.1
	- Coronae	155229	<11.0 ??	
824		1810 2.18 223		18:18 224 W +29.6
	RZS cop.	155823	<10.0 Cloudy	
826		1819 2.21 W		1820 222 W -23.9
	Z "	160021	<10.0 Cloudy	
830		1821 2.21		1822 221 -21.5
	R Herculis	160118	est 8.8	
834		1824 2.23 W		1828 225 +18.5

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Aug 16, 1912

	U Serpentis	160210	<12.0	
		1830		
		2.28 W		
836			✓	1831
				2.28 W
				+9.9
	RU Her.	160625	est 8.8	
		1832		
		2.26 W		
840			✓	1835
				2.29 W
				+25.1
	W Cor Bor.	161138	<11.5	
		1836		
		2.25 W		
843			✓	1837
				2.25 W
				+37.9
	W Ophi	161607	<10.3???	
		1839		
		2.23		
847			✓	1842
				2.25 W
				−7.8
	V "	162112	est 9.9 ??	
54				
848		1843	✓	1848
		2.22		2.25
				−12.2

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August 16, 1912

	U Herculis	162119 1850 2 29W	< 10.0??	
9:02			✓	1858 235 +19.0
	S "	164715 1900 213	est 11.7	
9:08			✓	1902 2:14W +15.1
	RV "	165631 1903 207	< 11.6	
9:10			✓	1905 2.04 W +31.2
	RT "	170627 1906 2.00	11.2??	
9:15			✓	19:10 2:W +27.0
	Z Cyg	171401 1912 158	8.4	
			✓	

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1912phae..proj..10900

August 16, 1912

	RS Her.	171723	est 11.3	
		1915		1922
		158W		
927				202
				+22.8
	RU Oph.	172809	< 11.0	
		1923		
		1.55		19.27
9:30				158W
				+ 9.5
	RS "	174406	< 11.0	
		1928		
		144		1930
935				144W
				-6.8
	RY Sgr.	175519	< 11.2	
		1930		
		135		1932
937				136W
				19.8
	- Sag. attam	180218	< 9.0 ??	
		1933		
		131W		1934
908				131W
				- 18.4

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1912phae.proj.10900

August 16, 1912

	T Herculis	180531 1936 1.31W	<11.0	
9;43			✓	1.30 W 1937 +30.7
	R Cygni	193449 1938 4W	<12.0	
9;44			✓	1939 6W +10.0
	R T Cygni	—	est 8.0	
9;47			✓	1941 000 +48.3
	V Sagittae	201520 1943 32E	<10.3	
9;50			✓	1943 32 W +20.8
	W Cygni	201647 1945 31E	est 9.9	
951			✓	31E 1946 +47.4

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Aug 16, 1912

V V Cygni	210245 19750 1,15. 112	< 12.0
S S "	213843 1934 144	est 12.0
R R Pegasi	214624 1935 145 E	< 11.2

10:00

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Started at 6.30
Ended " " —
2351

Saturday August 31, 1912

Philip S. Tally Observer. 8" Polar Eye

R Cor. Bor.	154428 1819 2,35 W	est 6.8	2 36 +28.2
V Coronae	154639 1822 2,36 W		
R Ser	154615 7827 2,41		
– Coronae	155229 1834 2,42 W	est 12.7	
R Z Scorpii	155823 1841 2 43	est < 12.0	
2 "	160021 1846 2 46	< 10.0	

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IP Herculis	160118 1848 2,47	est 8.9
U Serpentis	160210 1850 2,48	<12.2
RU Her,	160625 1852 2,46	9.2
W Cor Bor	161138 1855 2 44	<12.0 ?
W Ophiuchi	161607 1903 247	[illegible]

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V Ophiuchi	162112 1906 2,85	
U Herculis	162119 1908 247	12,2
S "	164715 1914 2,27	10.7
RU "	163631 1915 219	11.5
RT "	170627 1918 212	12,2

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2 Cep	171401 1923 209	8 7
RS Her.	171723 1926 209	10.0
RU Cep.	172809 1930 202	<10.07
RS "	174406 1932 148	<11.0
RY Her	175519 1936 141	<11.5

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-Sagittarii	180218 1941 139	<10.0? ✓
T Her.	180531 1942 137	11.8 ✓
R Cygni	193449 1949 15	est 12.5 ✓
U Cygni	201647 1953 E23	10.4 ✓
SS "	213843 1955 143 E	12.1 ✓

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1912phae.proj.10900

RR Pegasi 214024 < 11.4
2059
41 ε

RCygni ~~19479~~ est 7.9
2006
1939 '484
27

moon getting up

RY Aqlr 181103
2021
210 < 11.0

RS Scuti 184205 5.6
2025
143

Y " 183208 < 11.7
2028
156

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Z Sauti	18370 S 2033 156	9.9
V Ser.	18115 2041 230	10.5
SZ Aquilae	185901 2045 146	8.2
TT "	190301	6.6
RR Sag	191019 2051 141	9.3

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S Sag.	19 12 19	< 9.5
φ Aquilae	19 46 04	9.9
	20 55	
	109	
χ Cygni	19 46 32	5.9
	20 57	
	111	
RV Capricorni	20 55 15	< 10.3
	21 00	
	05	
V Cygni	20 38 47	9.5
	21 06	
	28 W	

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S Aquarii	203357 21 09 106	<11.0 ✓
R Del.	201008 2112 102	<11.5 ✓
R Vulpeculae	20 39 23 21 15 76	10.0? ✓
RR ..	20 50 27 21 19 29	9.3 ✓
t Aquarii	204405 2121 37	<12.0

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V Aquarii	203905 2123 44	<11.5 ✓
Z Lacertæ	223257 2129 1038	8.6 ✓
RR ~~2237~~	223755	8.4 ✓
W Cephei	223257 2133 ~~01~~ 59	7.8 ✓
S Aquarii	225120 2135 116	<9.0 Moon ✓

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R Aquarii	233815 2137 201	7.8
ST Aq.	233335 2139 154	9.8
S Pegasi	231508 2141 134	<10.0?
R "	230110 2143 118	10.1
RR Cas.	235053 2148 202	<11.5

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19646

Aug 31, 1912

Tau	24 0h 17m 55s	7.9
	2150	
	227	

C

Waited one hour for more stars

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1912phae.proj.10900

Wednesday September 4 1912

8" Polar Eq. Phillips & Reilly Obs

U Cygni	201647	est 10.2	
	2213	1.6	
	2,07W		
SS "	213843	12.0	
	2218		
	40		
V Sagitta	201520	< 11.0	
	2221		
	2,06		
R Cygni	193449	< 12.3	
	2223		
	2,49		
RR Peg ae	214024	< 11.0	
	2224		
	44		

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1912phae.proj.10900

Sep. 4. 1912

V Aquil	210245	< 11.5
	22 27	
	1.45W	
R Sagitt	191019	
	22 30	
	~~20~~	
	3.20	
S "	19 13 19	
X Aquil	194632	6.8 either 5.8 or 6.8??
	22 31	
	2.45	
RV Cap	205515	< 9.0 fainter
	22 35	
	140	

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1912phae.proj.10900

Sep. 4, 1912

V Cygni	203847 2288 200	9.5 ✓
S 11	200351 2240 237	
R Delphini	201008 2242 232	

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1912phae.proj.10900

Monday September 9, 1912

Philip S. Reilly Observer. Pt Polaris.

	χ Cygni	194632	5.8
812			
	R.T. Her.	170627	<11.2
815			
	R S "	171723	9.4
820			
	R U Ophi	172809	<12.5
824			
	R S "	174406	12.0
827			

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1912phae.proj.10900

September 9, 1912

	RY Sgr.	175519	<12.4
830			✓
	Sag.	180218	7.7
844			✓
	T Her.	180531	11.4
849			✓
	U Cygni	201647 ~~203843~~	11.0
850			✓
	SS "	213843	12.0
851			✓

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September 9, 1912

	R Cygni	193449	< 12.5
854			✓
	R T "	—	7.9
856			✓
	R Y Aquilæ	181103	16.5
904			✓
	R Sculi	184205	5.0
914			✓
	T "	183208	9.7
916			✓

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Sep. 9, 1912

	Z Sculi	183705	9.6
922			
	SZ Aqui	185901	8.4
925			
	TT "	190301	7.3
927			
	R Sag.	191019	210.2
930			
	S "	191319	210.5
932			

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Sep. 9, 1912

	χ Aquila	194604	10.0
936			c
	W Sag.	201520	11.7
944			l
	RV Cap.	205515	11.5
955			d
	T Aquarii	204405	< 12.0
958			d
	Y "	203905	12.2
10.1			l

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	RRVul	9.3
10 5		
		11.2
10 7		
		9.7
1011		
		11.1
1017		
		9.7
1022		

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Tuesday September 10. 1912

Phelps & Reilly Observers 8" Polar Eqr.

Scanned down here at 8:00 but Professor Pickering called me to send telegrams Cablegram 1950 1611 3.34 and night letters to Albany a new comet was discovered also made and mailed 1 new style B.D.12

SS Cygni	213843	12.1
	2337	2345
	159	1934
		411

RV Cap.	205515	6 forms
	2347	
	252	

RR Vul	205027	9.2
	2348	
	258	

R "	205923	10.5
	2330	
	251	Looks up

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~~δ Del.~~ ~~20 10 0~~ ~~23 56~~ ~~3 46~~ 3

V Cygni 20 38 47 9.8 /
23 57
3 49

RR Aq 21 40 24 est 11.3
24 06
2 26

0

V V Cygni 21 02 45 < 12.0
24 09
3 07

d

W Cephi 22 32 57 7.8
24 12
1 40

0

Z Lac. 22 36 56 8.0
24 14
1 28

b

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RR Lac.	22 37 55	8.7
		V
R Aquarii	22 51 20	< 8.5 Yng Hagy
	24 19	
	128	
		V
R "	23 38 15	9.0
	24 21	
	43	
Stand.	23 33 35	9.7
	24 25	
	52	
		V
S Pegasi	23 15 08	10.7
	24 27	
	1 12	

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1965

RPeg	230110	
	2431	
	130	
RR Cas	235053	< 16.0
	2443	
	53	
T "	201755	7.7
	0048	
	37	
RV Cass	004746	9.8
	0050	
	3	
— Cas		10.3

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Z Ceti	0h 01 02 00 55 6	
R $ Persei	01 23 50 01 06 17	10.4
T Aurig.	00 17 26 01 10 53 W	8.5
IP "	00 18 38 01 12 54	11.3 ??
S Ceti	00 19 09 01 19 1.00	11.0

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1965

~~2 581~~
~~23075~~ 214

V Cas obs 004958 0122 33 <12,2

V Ana 013238 12,0

Y?

Y Ana 013338 0127 6 10.6

RU

X Cas, ~~014958~~ 0133 16 10.8

suspect V or somewhat 10.5

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1965

S Persei 021258 10.0
0139
33

T Persei 021558 8.4?

o Ceti 021403 7.5
0147
77

~~R~~ W Persei ~~022000~~ 9.4
~~0150~~
30
024356
0201
42

T Arietis 024217 10.0
0157
44

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1012phae.proj 10000

1965

~~R Persei~~ ~~035646~~
0203
113 8.5

C/R Cnetus 021024
0215

Y " 032043 8.8
0210
110

C

-Tauri 033105 <12.2
0217
114

RW " 035727 8.0
0225
132

R " 042209 < 9.5
0230
152

C

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S Jani	042309	< 10.5
RX "	043208	
	0235	
	157	
V Orion	050003	< 10.8
	0328	
	28	
	132	
T Lepus	050022	
	0334	
	136	
R Aurigae	050953	9.1
	0337	
	132	

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1965

W Aurigae 053036 11.9
0340
140

S 11 053034 9.7
0347
135
131

π R Lam 053326
0353
140

e

050849 – Aurigae 8.4
0356
112

a 4 V 8 b 2 cl. h 10

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Starter work at 6:00

start obs at 8:30

Thursday September 12, 1912

Philip J. Reilly Observer 8" Polar Equ.

Short Period = S.P.	SZ Aquilae	18 5901	8.0
		2105	
		206	
~~T " 190301~~			6.9
~~R Cygni 193449~~			
		~~2123~~	
		149	
~~W " 191007~~			18.1
		~~209~~	
		1.59W	
R Cygni		194449	
R Sagittarii		191019	10.8
		2114	
		204	
S "		191319	11.0

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RT Aquil	———	8.0
	1939 2423.5 .46	
X Aquil	194632 2126 140	5.6
U "	201647 2135 114 19	10.2
X Aquila	194604 2136 150	10.8
V Sag.	201520 2140 125	11.5

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RV Cap.	20551S 2142 47	210.0 Clouds.
t Aquarii	20440S 2144 100	11.0 "
4 "	20390S 2145 106	11.5
RR Vulpeculae	20502.7 2148 58	9.3
R "	20592.3 2049 50	9.8

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R Lel.	201008 2152 142	9.2?
S Cygni	200357 2156 153	9.0
V "	203847 2200 122	9.6
SS "	213843 2203 25	12.0
ST Pegasi	215934 2204 05	11.0

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Mirror need to be resilvered

October 30, 1912, Philip G. Reilly Observ.

8" Polar Equatorial

R Cygni	19 34 49	< 12.5	
	22 14		
22:15	2,40 W		
R T Cygni	~~10~~ 0	9.0	
	19 39 48 5		
	22 16		
	2,37 W		
X "	19 46 32	6.0	
	22 18		
	2,32 W		
~~S X Cygni~~	~~20 03 57~~	12.0	
	~~22 24~~		
	22		
S S "	21 38 43		
	~~22 26~~		
	48		
U "	20 16 47	11.6	
	22 29		
	2 13		

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1912phae.proj.10900

Oct. 30, 1912

V Aquii	203847 2237 1.59 W	< 11.3
ST 11	202954 2244 215	< 11.0
SX 11	201130 2248 237	< 11.6
Yilel.	203611 2256 220	< 11.7
V 11	204318 2304 221	< 11.5

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1912phae.proj:10900

Thursday October 31 1912

p 11 Polar Ship & Rally Obs

~~Atlr~~ 205017
23-0914
2,19,24

π Scuti 184205 5.8
2113
2,31

R Sag 191019 ≤ 9.5?
2117
207

S " 19319 < 9.5

W Aquilae 191007 to Cloudy in region
2119
209

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1912phae.proj.10000

RT Aquilae	193311 2122 1.49 W	9.0?
IγAquii	192928 2132 203	<11.7
R Aqui	193449 2138 204	<12.2
RT "	194048 2140 2	9.1
TU "		ust 9.4

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1912phae.proj:10900

χ Cygni	194632 2151 205	est 6.1
S "	206357 2153 150	11.0 ??
V "	203847 2202 114 24	< 11.6
U "	201647 2205 149	11.1
SS "	213843 2207 029	12.0

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1912phae..proj..10900

SX Cygni	20 11 30	< 11.0
	22 09	
	1,58	
ST 11	20 29 54	< 11.7
	22 14	
	1 45	
RT Lac	20 10 08	< 10.5
	22 16	
	206	
Y Aquarii	20 39 05	< 10.6?
	22 20	
	1 41	
U Sag.	20 15 20	< 9.0 ??
	22 28	
	213	look up.

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1912phae.proj.10900

Tuesday. November 5, 1912.

Phillips Polar Eq.

X Aquarii	22 13 21	4/2,2
	24 01	
	1.48 W	
RT "	22 17 22	10,0 2other th
	24 05	nigh stars
	1.48 W	
S Lacertae	2 22 43 9	4/1,4
	24 18	
	1 54	
S Aquarii	22 51 20	10,0
	24 26	
	~~25~~	
	1.35	
RW Pegasi	22 59 14	13,3?
	24 33	
	1.34	

Copied.

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1912phae.proj.10900

Dec — 3

R Peg.	230110 2443 1.47	
V Cass.	230759 2452 1.45	C. 11.4 ? building
S Peg.	231508 2523 1.48	hazy C 11.2
ST And.	232335 2525 1 32	9.5
R Aquarii	233815 2511 1.33	9.6

copied

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9-2

Dec. 3, 1912

Z Cass.	233956 2516 1.37w,	L123
RR "	235053 2530 1.40w	L125
T And	2542 2358.2 1.44	adpl
X And.	001046 0151 1.41a	12.5
R Cass	235350 2556 203	11.8

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1912phae.proj.10000

1974.0 Dec. 3

ω Cet	235715	
	260	
γ Cas.	~~27~~	to hazy
	2.71	
	235855	10.6
	2619	
	2.71	
	270	
T Cas.	001755	7.8
	1.53	
T And	001726	10.0
	0213	
	1.56	
R And.	001838	9.5
	0216	
	1.58	
S Cet	001909	10.3?
	0230	
	2.11 W	

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22

Dec. 3, 1912

V and.	004435	< 12.5
✓	0237	
	1,53	
RR "	004533	12.4
✓	0242	
	1,57	
RV Cas.	004746	" < 11.5
✓	0245	
	1,58	
Var on Comichart		< 11.5
RW and.	004132	
	0259	to Chart to continue
	2,14	
	2.18	

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1912 Wednesday December 4, 1912

Partly Cloudy Mer. J. Coker Eq.

SS Cygni	213843	8.3
	2413	
	2.35 W.	
RT Pegasi	215934	<11.5?
	2f 1.7 2/2	
	218	
	2.23	
U "	215605	<11.5?
	2434	
	238	
χ Aquarii	221321	
	2440	?? Hazy
	227	
RZ Persei	012350	<12:8
	0042	
	.418	

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Dec. 4 1912

19 7d

γ And.	013338 0048 458	12.8
BU "	013238	< 12.0
χ Cass.	014958 0055 548	< 11.3
R Arietis	021024 0100 1,108	< 12.1
o Ceti	021403 0102 1,118	th cloudy

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(1911)

W And.	02 11 43	8.8
	01 05	
	1.06 c	
C		
RR Persei	02 21 50	11.4?
	01 12	
	1.09 c	
C		
R Trianguli	02 31 33	
	01 18	
	1.15	

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SS Aquarii	213843	8.7
	2358	
	2.20 W	
ST Pegasi	215934	
	2405	
	2.06 W	
X Aquarii	221821	
	2409	
	1.56 W	
T Arietis	024217	
	0016	
	7.2 W	

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1012phae.proj.10000

Shelter on ~~roof~~ shutter preventer if from being opened
I took a file and hammer and set to work clearing it
finally succeeded at 5h 25 S.T

Wednesday January 8, 1913

9.00

8" Polar Eq.

Phillips, Phila.

γ And,	013838	< 11.8
	0507	
	3.34W	

19776

C

PU "	013238	< 11.4

V Mirror in poor condition
& collected night for seeing.

T Arietis	024217	9.0
	0522	
C	2.40	

W Persei	024356	10 p. west of
	0525	
	2.42	

U Arietis	030514	10.8
V	0527	
	2.22W	

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January 5, 1913

RT Persei	03 16 46	10.7
	05 38	
	2 17	
	22	
Y "	03 20 43	8.9
	05 48	
	2, 28	

Sus. Var. est 6 grades > other kept star
look upon DM,

-Tauri	03 31 05	<11.5
	03 57	
	2, 26 W	

T Eridani	03 51 24	<11.0
	06 10	
	2.19 W	Very hazy.

R W Tauri	03 57 27	7.5
	06 17	
	220	

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19776

January 8, 1913

W Eridani	040725	< 11.0
	0622	
	2.15	~~clo~~ Hazy.
R Leonis	043208	< 12.0
	0629	
	1.57 W	
Susp. Variable chart		< 11.5
V Leonis	044617	
	0634	
	1.48 W	
R Leonis	045307	
	0640	
	1.47 W	

Lights went out
Reason Mr. Bowie did not know I was using them and therefore shut off motor. Also came star while I went up to investigate. P.G.R
reluctor 752 S T

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January 8, 1912

U Orionis	054920 0752 2,03W	10.5?
R Aurigae	050953 0755 2,06	9,2?
W "	052036 0800 2,40	10,5?
S "	052034 0805 2,45	9,75? looks up want plotted chart
RR Tauri	058326 0812 2.39	11,3

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January 8, 1912

U Aurigae	055531	11.3?
	0815	
	2,40 W	want photo
SU Tauri	054528	9.4
	0818	
	2,33 W	
T Aurigae	055353	11.0
	0827	
	2 4 9 / 2	
17 W Gem.	055523	9.6
	0830	
	7,35	
— "	055523	11.0

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January 8, 1913

V Cancri	081617 101.0 1,54W	9.2
χ Ursæ Maj	083350 1013 140	9.4
S Hydrae	084803 1015 1,27W	9.1
T "	085008 1019 1,29W	<11.0
κ "	093014 1020 .50W	10.9

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1012phae.proj.10000

January 8, 1913

RZ Gem.	055622 0837 2.41 W	10.4
SS Gem.	060222 0840 2.38 W	9.5
χ Aurigae	060450 0843 2.41 W	< 11.5
SS "	060547 0849 2.44 W	< 11.7?
V Mon.	061702 0832 2.35 W	10.9

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1912phae.proj.10900

January 8, 1913

RX Gem.	064333	10.1
	0857	
	2,14W	
	Want photo	
W Mon	064707	11.0
	0903	
	2,13W	
RL	064907	< 12.0
Y Mon	065111	< 11.9
	0914	
	2,23W	
R Lynx	065355	9.2
	0919	
	2,26	

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1912phae.proj.10000

January 8, 1913

RS Gem.	065530	11.5
	0923	
	2.28 W	
V Can Mi	070109	C 12.1
	0931	
	2.30 W	
R Gem	070122a	8.3
	0936	
	2.35 W	
~~R Can Mi~~	~~070310~~	
	~~942~~	
R Leon Mi	2.39	est 7.2
	09 39 34	
	+023	
	.44 W	
V Ursae Maj	090151	10.6
	1007	
	1.06 W	

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1912phae.proj.10900

January 8, 1918.

R Leonis	094211 1026 44	10.0
ζ "	094512 1028 43	11.9
χ Virginis	115609 1030 126 ξ	11.0

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1912phae.proj.10000

03 10
08 40
5 30

1978

Tuesday January 14, 1913

Phillips Kelly Obsn. 9" Polar Eq.

o Ceti	021403	est 8,5
	0325	
	1,11 W	
Wand.	021143	est 9,6
	0328	
	11.7 W	Look for Vari. of standard, 9,6
R Ceti	022000	11.0
	0337	
	1,17 W	
RR Pisci	022156	10,7 Hazy
	0342	
	121 W	
RX Tauri	043208	11,9
	0537	
	1,05 W	

08 00
08 37 9,40
2 23 = 03

Var on some chart

11,9

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1912phae.proj.10900

January 14 1913

U Orionis	054920 0542 78	9.7 photo J
R Leporis	043514 0545 950W	8.8 J
V Orionis	050003 0549 49	10.6 J
T Leporis	050022 0551 51W	9.9 J
R Aurigae	050953 0556 47	10.0 J

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1912phae.proj.10900

January 14, 1913

W Aurigae	052036	11.3	
	0602		
	.4ZW		
			√
BR Tauri	053326	10.9	
	063		
	.40W		
			√
SU Tauri	054528	9.6	
	0616		
	37		√
Z Aurigae	055353	11.0	
	0620		
	27W		√
RW Lyn	055523	9.7	
	0622		√
	27		
Van over cam Chart		11.6	√

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1912phae.proj.10900

January 14 1913

RZ Gem	055622	10.3
	0627	
	3	
		✓
SS "	060222	9.0
	0630	
	28W	
		✓
× Aurigæ	060450	<12.2?
	0633	
	29W	
		✓
SS Aurigæ	060547	<12.6
	0642	
	37W	
		✓
V Mon	061702	10.0 ✓
	0647	
	30	

Star marked 11.0 bright 09

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1912phae.proj.10900

January 14/1913

S Lyncis	065558	C/12.8
	0657	
	2 W	
		✓
X Gem	064030	10.5
	0700	
	20 W	
		✓
W Mon	064707	10.8
	0704	
	17 W	
		✓
R U Mon	064907	10.0
		✓
γ Mon	065111	C/12.0?
	0717	
	26 W	
		✓

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27

January 14 1913

R Lyncis	065355	8.4
	0722	
	29 W	
		✓
RS Gem	065530	11.9
	0724	
	29 W	
		✓
V Cam Mai	070109	12.6
	0724	
	25 W	
		✓
R Gem	070122a	9.4?
	0735	
	34 W	
		✓
R Cam Mai	070310	8.5
	0744	
	37	
		✓

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January 14, 1912

R R Mon	071201	11.9	✓
	0743		
	31		
S Can Min	072708	9.8	✓
	0748		
	21		
U Gem	074922	9.6	
	0755		
8'00 ST	6		✓

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Tuesday January 21, 1913

Thorp G, Parallax Obs. 6" Eq.

	213843	SS Cygni	12,0
	28 '03		
	6.25 W		
7;32		054920	
		04 10	
		39	
	RZ Persei	.012350	

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6.00

1979 3

Saturday January 25, 1912

8" Polar Eq. Thos. L. Reddy Obsr.

	Z Cet	010102	12.0
		0320	
752	C	12.19 W	
	RZ Persei	012350	12.2
		0327	N.B. R. A. of tel, cause
7:03	C	2.04 W	off beauty. Butwat and more elaborate arrangement had better be designed F.E.K.
	R Per.	012502	est 8.0
		0338	
7:10	C	7.13 W	
	R And	013238	~~12.~~
		0343	11.6?
		30	
712	C	2.11 W	
	Y And	013338	12.0
		0343	
714	C	210	

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January 25, 1913

R Cet

022000
0400
1,40 w

C 11.6

7:34

J

RR Pisc

022150
0409
1.48 w

C 12.6

7:40

J

U Cet

022813
0415
1.47 w

7:45

J

0 23133
04·20
1,49 w

RJ ri

0.2 > 804

7:50

J C

02 42 7
0425
1.43 w

T Arietis

8.5

7:52

J

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1979 3

January 25, 1913

	W Persei	024356	9.0
		0427	
7.53		1.44 w	
	Y Aurigæ	030514	9.2
8.00		0431	
		1.26 w	
	R T Persei	031646	9.7
		0433	
		1.17 w	
	Y "	032043	8.9
		0443	032043
		1.23	0459
			1.30 w
	- Tauri	033105	12.0
		0453	033105
		1.22	0457
			1.26

Cloudy w

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9 93

January 25, 1913

	R Arietis	02h02.4	9.2
7:17		0349	
		139	
	W And.	02h43	10.0
7:21		0352	
		1.41	
	S Pusi	02h58	
		03 36	
		1.46W	
	T Pusi	22h58	
	O Cti	02h03	8.0
		0358	
		1.44W	

Pendulum

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19794

Ham Tel, repaired. also Telephone.

Sunday January 26, 1913

T Thuyer/Kelly Observer 8" Polar Eq.

	~~H Eridani~~	~~034625~~ ~~0373~~ 07W	< 10.9 hazy.
7:27		035127 0359 8W	J
	RK Tauri	035727 0403 6W	8.0
7:34			J
	W Eridani	040725 0410 3	< 11.2 Very hazy
7:36			J
	RX Tauri	043208 0412 20E	< 12.4
7:40			J
	Various Same chart		< 12.4
741			J

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C 97 4

January 26, 1913

	R Leporis	045514 0500 5W	9.0 Hagy
8:26			
	U Orionis	054920 0502 47	<12.0
8:31			
	Z Aurigae	055353 0507 46	10.4
8:33			
	RW Gem.	055523 0508 47	9.2
8:35			
	— Gem	05 5523	11.2
8:37			

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1894

January 26, 1913

	RZ Gem.	055622	9.3
		0529	
8;46		378	
	SS "	060222	9.3
		0522	
8;50		40	
	X Aurigæ	060450	<11.5?
		0525	want photo chart urgent
8;55		39	
	SS "	060547	<12.2
		0532	
8 58		33	
	U Mon	064702	10.1?
		0534	
9 02		43	

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1912

January 26, 1913

	V Tauri	044617 0416 30 E	↓
	P Orionis	045307 0420 33 E	9.5
7:53		045307 0423 28	↓
	V "	050003 0429 31 E	10.1
7:55			↓
	T Leporis	050022 0432 28 E	< 10.6? Hazy
7:58			↓
	R Aurigae	050953 0434 35	10.7
8 00			↓

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January 26, 1913

	S Aurigae	052034	9.2
		0437	
8 07		43 E	
			J
	W "	052036	<11.7
		0443	
		378	
8 15			J
	RR Tauri	053326	10.9
		0431	
8 17		42 E	
			J
	U Aurigae	053581	<12.0
		0433	
8 18		42 E	
			J
	SU Tauri	054528	9.6
		0435	
8 20		50	J

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24

January 26, 1913

	Sl Lyncis	063558	4/2.3
		0545	
9;10		50E	
			↓
	χ Cam	064030	4/10.5??
		0547	
9;13		53	↓
	RX 11	064333	9.0
		0550	
9;15		53	↓
	W Mon	064707	11.2?
		0553	
9;18		54	↓
	RU 11	064907	11.5?
9;19			↓

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January 26 1913

γ Mon	065111	<1,12,2	
	0555		
9;19	56 E		
		)	
RFynes	065355	8.3	
	0555		
	58 E	)	
9;22			
RS Gem	065530	<1,122 ?? Hazy Very	
	06	)	
925			

Waited until about 2:00 and possibly cloud interrupted observation

Telescope broke down also and spent some time trying to fix it had been working until 4 o'clock P.G.R.

Telescope temporarily repaired.
P.G.Reilly.

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198 129

19794

January 26, 1973

U CamMin	073508	est 11.9
		v
U Gem	074922	~12.4
		v
U Oriono	034920	11.9
		v
RX Tauri	043208	~12.2
		v
R And	001838	7.5
		v

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January ~~December~~ 26, 1913

W Aurigae	052036	12.4	
		✓	
W Cas	004958	10.5	
✓		✓	
S "	011272	12.4	15" tel
✓		✓	
Z "	233956	12.5	
		✓	
V "	230759	12.4	
		✓	

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Saturday January 26, 1913

RZ Aurigae algol 11.5

9;10

✓

ζ Orionis eye est. 27 Ald.

✓

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1912phae.proj.10900

1979 6

Tuesday January 28, 1913

Thulop & Rall Obs 8" Pdra

	V Can Min	070109	∠12.0
		0638	
0644		238	✓
	R Gem.	070122a	~~4.4~~ 10.4?
		0740	
651		568	
		want Photo.	✓
	R Can Min	070310	8.5
		0713	
54		1.13 E	
			✓
	X Ursa Maj	083350	10.0
		0706	
7 07		127 E	
			✓
	S Hydrae	084803	8.0
738		0707	
		1.41	✓

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Lick Jan 28, 1913

	RR Mon	071201 0654 186	9.6
6 56			✓
	SCan III	077708 0657 30	8.9
6 58			✓
	U Sun	074922 0659 302	C 12.3
7:00			C
	U Pyxis	075612 0700 568	C. 11.4
7.02			C
	V Cacci	081617	8.0
7.05			✓

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1012phae.proj.10000

1897 96

January 28, 1913

15" tel.

	RZ Aurige	054231	est 11.5
7:18			
	RW Tauri	041342	
	W Aur.	021143a	12.4
7:30			
	W Cam Mrs	073508	12.0
7:35			
	V Cas	230759	11.5
7:40			

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1912phae.proj.10900

19796

January 28, 1913

	ZCas	233956	← 12.4
7.12	~~RZ Cep~~	~~054221~~	~~11.3~~
	W "	004958	10.3
737	RW Lac	035727	7.6
	U Cep	054920	11.7
7.52	S Per	025328	9.6
	~~AH Aur~~	~~184012~~	~~9.1~~
840	Z Per	023341	10.0
	RS Cep		9.9.3
9.00	R W Per	041342	9.7.0

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1979 8

Thursday January 30, 1913

Rumpf & Kelly Obsv — 8" Polar Eq.

Vand. 004435
0346
2,419 W
5h 6

004435
0842
258

R Rand 004533 9.6
0333
2.48 W
0045
0235
150

RV Cons. 004746
0845
258

Cass.

algol RZ Cass 054231
0457
45W

fg

1912phae.proj.10900

1978

Jan 30, 1913

Z Persic	023341	9.7
725		
R Kani	043208	12.4
R W Persic	041342	9.7
9107		
U. Sun	074922	12.4
U Com Mm	073508	12.3

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1928

Jan 30, 1913

RZ Persei 012350 12,4

X And 001046 12,0

T Cas ~~12.4~~

ST Persei 025328 11.6

9:00

RW Tau 035727 8.6

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January 30 1913.

U Aur	~~054920~~	11.7
Z Aurigae	053231	L1214
Aurigae	052036	L1214

10:50

X Aur	yeast. 2 bright std.	
V Aur	230759	11.6

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1979B

January 30, 1913

Mcap	004958	10 6
C		
Zcap	233956	4/214

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1912phae.proj.10900

1799

January 31, 1913, Friday.

Philips Steady Obsv. 8" Polar Eq.

Vahoj	604435	10.1	
	0332		
	248W		
3:36			
RV Cas	204746	11.0?	
	0038		
	299W		
	.51		
Z Cet	0101.02	>9.3 Cloudy	
	0348		
	2.47W		
RZ Peri	012350	<11.0	
	0350		
353	227		
R Pisc	012502	8.2	
	0354		
	2.29W		

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January 31, 1913

— — Cass 000746 [illegible] 11,3 ? [illegible]

L

RH Aug 013238 L 11,3 Hg

mm/per.

L

y " 013338 L 12,4

700

0356

2,23 W

L 0149

0403

21

uncl

RAnotis 021024

0403

1,53 W

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19801

Feb. 2, 1913

T Aur.	091726	ext L 12,0	a
W Cas			
T "	001755	10.8	c
U "	004047	L 12,2	b
X	014938	10.3	d

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Thuly Le Roy Obs.

R Aqr	0 23 03 3	8.7	i
C			
U Aqr	0 30 51 4	8.7	i
C			
R Psc	0 32 33 5	< 12.3	
C			
U Aqr	0 53 53 1	< 12.0	vis 11.3
S Cas	0 53 06 8	7.9	α

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SS Aur.	060547	<12.0	"
RR Aurigae	045307	9.7	"
"	050303 ~~050953~~	9.7	"
RR Aurigae	050953	10.1	
RR Persei	022150	<12.3	"

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1912

U Tauri	042215		
x Camel	043274	7.5	d
T "	043065		
U Cam Min	073508	11.7	d
U Gem	074922	< 12.6	

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Feb. 3, 1913

19 Louis	094211	8.5	in
W "	104814	12.4	"
S "	110506	12.4	"
S S Cygni	213543		12 fm
V Mon	061702	10.2	+

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P Gem 070122 10.4

Friday March 28, 1913

S. Pam Eq R.A. R. Obs.

R Tri; 022150 5.5

1985

U Arietis 030514 9.0

W Tauri 042215 9.6

T Camelop 043065 9.5

X " 043274 9.5

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March 28, 1913

R Persei	032735	C 12.1
S Camelop	053068.	9.0
R Aurigae	050953	11.9
S "	052034	8.9
U Orionis	050003	11.0
R "	045307	11.8

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1885-6

March 28, 1913

R Lyncis	065355	9.5
SS Aurigæ	060547	c 12.1
Z "	055353	9.7
U Aurigæ	054920	10.7
U Aurigæ	055331	10.4

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March 28, 1912

U Canmin	073508	<12.4
W Lewis	104814	<12.2
R Mushay	103769	<12.3
S Lewis	110506	11.9
T Can Yan	172532	9.1

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1912phae.proj.10900

March 24, 1913

T Ursae Maj	12360	7 12.1
[illegible]	[illegible]	
α Cephei	210382	<12.1
P Draconis	163766	11.8
S Ursae Maj	123961	10.2

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064333 P
053531 P
053034 P

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