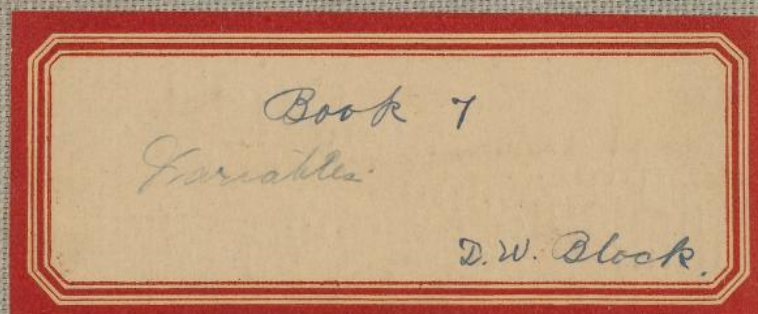


KG
11365
705



KG 11365.705

Any scale measures recorded in this
book, although arranged in regular
order on the page, were observed
promiscuously

D.W. Block.

KQ 11365.705



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<u>R3 Tauri</u>	
Information for Comp. stars	5-43
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Information for Comparison Stars of
 R 3 Tauri 043018
 (S 3 Tauri same Sequence)

I Number of Reference Plates

Original reference plate I 7685 - for S 3 Tauri.

MC 13819 - Sequence selected.

MC Series 856 - Meas. with MC 13815, 13821

MC ~~Series~~ 14332.

MC series 893 - Meas. with MC 14329, 14335

II Marked Chart. — There is none.

III Comparison stars employed. — Magn. & position.

a	6.9	f	8.7	m	10.6	r	12.9
b	7.4	g	9.3	n	11.0	s	12.9
c	7.6	h	9.8	o	11.3	t	13.5
d	8.4	k	10.1	p	11.6	u	13.6
e	8.5	l	10.4	q	12.3	w	14.2

IV Source of Magn. for Comp. stars.

Bk. 19:108, 109

See also comp. star sheets D 20.B.

Variability discovered by H.S.L. on
 AC 6785 See H.S.L. 22:29

marked No. 67 on B 9809 and
 AC 6785

6

Wednesday Mar. 12, 1919.

Comparison Stars for ρ 3 Tauri. (and δ 3 Tauri)

10:20

MC Series 856

MC 13815 Pole

Scale M	Primary			②	mean	Diff.	P. C.	②	mean	Diff.
	Sc 1	① mean	Sc 2	P. 10	Q. 2		Sc 1	① mean	Sc 2	
5	B						5.9	6.05	6.0	6.05 6.05 0.44
6	B						6.9	7.15	7.2	7.05 7.10 0.01
8	2.9 2.7	2.90	a.	2.80	2.85	5.38			8.6	8.40 8.50 -0.27
9	3.7 3.5	3.70	a.	3.70	3.70	5.13			8.9	8.90 8.90 -0.07
10	3.9 3.7	3.90	a.	3.90	3.90	5.12			9.3	9.00 9.15 -0.13
11	4.2 4.0	4.20	4.2	4.25	4.22	5.33			9.7	9.70 -0.15
12	4.8 4.6	4.70	4.6	4.65	4.68	5.18			9.8	9.80 +0.06
13	5.1 4.9	5.15	5.2	5.05	5.10	5.20				
14	5.6 5.8	5.95	5.9	5.70	5.82	4.83				
15	6.2 6.0	6.15	6.1	6.00	6.08	5.00				
16	6.9 6.7	6.90	6.9	6.60	6.75	4.65				
17		7.3		6.95	7.12	4.51				
18		7.6		7.4	7.50	4.56				
19		8.1		8.0	8.05	4.37				
20		8.3		8.3	8.30	4.43				
23		8.9		8.7	8.80	4.54				
25		9.2		9.3	9.25	4.62				
26		9.6		9.8	9.70	4.63				

mistake of unit.

mistake
of unit.

10:30

Wednesday Mar. 12, 1919

7

10:30Comparison Stars for β Tauri (and δ Tauri)
MC Series 856

MC 13815		Pole		①		②		mean		Diff	
Scale M.		Diff "g"		mean		F.P.		Diff "h"		Diff	
		Sc1	Sc2	gth		h		Sc1	Sc2	① & ②	
5		4.9 ^{5.1}	5.1 ⁰⁰	5.02 ^{08 07}	4.88	5.02	4.88	4.8 ^{5.0}	4.9 ^{0.1}	4.95	1.54
6		5.7 ^{5.2}	5.9 ⁰⁰	5.80 ^{1.1}	5.42	5.80	5.42	5.5 ^{5.7}	5.7 ⁰⁰	5.61	1.50
8			7.3	7.35 ^{2.0}	7.35	7.35	7.35		7.4	7.35	0.88
9			7.8	7.80 ⁰⁰	7.75	7.75	7.75		7.8	7.78	1.05
10			7.9	7.85 ^{1.0}	8.25	8.25	8.25		7.8	8.05	0.97
11			8.7	8.70 ⁰⁰	8.70	8.70	8.70		8.7	8.70	0.85
12			8.9	8.90 ⁰⁰	8.85	8.85	8.85		8.9	8.88	0.98
13			9.3	9.20 ^{1.1}	9.20	9.20	9.20		9.1	9.20	1.10
14			9.6	9.65 ^{0.1}	9.70	9.70	9.70		9.7	9.68	0.97

10:45

8

Wednesday Mar. 12, 1919

10:45

Comparison Stars for α 3 Tauri (and δ 3 Tauri)

mC Series 856

Sequence for α 3 + δ 3 Tauri.Region $4^h 30^m 25^s + 17.0^{\circ}$ Alt Corr = +.18

mC 13819

Scale m

Primary

p. c.

copied
Bk 19.106

	Sc 1	Sc 2	Cu	mag.	Sc 1	Sc 2	Cu	mag.
a	B				6.1	6.4	0.28	6.63
b	B				6.8	7.1	0.06	7.11
c	B					7.4	-0.03	7.37
d	2.8		5.25	8.25		8.3	-0.16	8.14
e	2.6		5.24	8.04	confused with diff. of anastigmat			
f	2.8		5.25	8.25		8.7	-0.18	8.52
g	3.7		5.23	9.13		9.2	-0.16	9.04
h	4.1		5.20	9.50		9.7	-0.07	9.63
i	4.7		5.15	10.05				
j	4.9		5.12	10.22				
k	5.1		5.07	10.37				
l	5.8		4.92	10.92				
m	5.9		4.88	10.98				
n	6.6		4.68	11.48				
o		7.5	4.50	12.00				
p		8.1	4.45	12.55				
q		8.2	4.45	12.65				
r		8.8	4.53	13.33				
s		8.9	4.54	13.44				
t		9.4	4.61	14.01				

10:55

Wednesday Mar. 12, 1919

Comparison stars for R3 + S3 Tauri

10:55

MC Series 856

Sequence for R3 + S3 Tauri.

MC 13819

Region $4^h 30^m 25^s + 17.05$ Alt corr +.18Copied
Bk

19:108

Scale M	Diff "g"		mean of "g" & "h"	Cu	Diff "h"		mag
	Sc 1	Sc 2			Sc 1	Sc 2	
a	^{5.0} 4.8 ^{1.1} 5.10	5.2	^{02 03} 5.12	1.56	^{5.1} 4.9 ^{1.0} 5.15	5.2	6.68
b	^{5.6} 5.4 ^{1.1} 5.70	5.8	^{08 01} 5.62	1.42	^{5.5} 5.3 ^{1.0} 5.55	5.6	7.04
c	^{5.9} 5.7 ^{1.1} 5.80	5.7	^{05 05} 5.85	1.36	^{5.9} 5.7 ^{1.0} 5.90	5.9	7.21
d		7.3	⁰¹ 7.30	0.99		7.3	8.29
e		7.2	⁰¹ 7.25	1.00		7.3	8.25
f		7.5	^{1.0} 7.45	0.97		7.4	8.42
g		8.3	^{1.0} 8.35	0.92		8.4	9.27
h		8.8	⁰⁰ 8.80	0.95		8.8	9.75
k		8.9	⁰⁰ 8.90	0.96		8.9	9.86
l		9.2	⁰⁰ 9.20	1.00		9.2	10.20
m		9.4	^{1.0} 9.35	1.02		9.3	10.38
n		9.6	⁰¹ 9.65	1.05		9.7	10.70

11:05

11:05

Pale.

MC 13821

Scale	Primary		p. C.	
	Sc. 1	Sc. 2	Sc. 1	Sc. 2
5	^B	.	^{6.1} 5.9	^{1.0} 6.0
6	^B	.	^{7.0} 6.8	^{0.1} 7.1
8	^{2.8} 2.6	.	.	8.4
9	^{3.7} 3.5	.	.	8.9
10	^{3.9} 3.7	.	.	9.0
11	^{4.3} 4.1	^{1.0} 4.25 4.2	.	.
12	^{4.6} 4.4	^{0.1} 4.65 4.7	.	.
13	^{5.1} 4.9	^{1.0} 5.05 5.0	.	.
14	^{5.8} 5.6	^{1.1} 5.70 5.6	.	.
15	^{6.1} 5.9	^{1.1} 6.00 5.9	.	.
16	^{6.7} 6.5	^{1.1} 6.60 6.5	.	.
17	^{7.0} 6.8	^{0.1} 6.95 6.9	.	.
18	.	7.4	.	.
19	.	8.0	.	.
20	.	8.3	.	.
23	.	8.7	.	.
25	.	9.3	.	.
26	.	9.8	.	.

11:15

Wednesday mar. 12, 1919
 Comparison Stars for R3 + SJ Tauri.
 MC Series 856

11:15

MC 13821 Pall.

Scale M	Diff "g"	mean g+h	Diff "h"
5	4.9 ¹⁰ 4.85 5.3 ¹² 5.40 (5.3)	4.88 ^{08 02} 5.42 ^{02 03}	4.8 ^{5.0} 4.90 ^{1.1} 5.4 ^{5.5}
6	5.3	5.42	5.4
8	7.3	7.35 ⁰¹	7.4
9	7.8	7.75 ⁰¹	7.7
10	8.3	8.25 ¹⁰	8.2
11	8.7	8.70 ⁰⁰	8.7
12	8.8	8.85 ⁰¹	8.9
13	9.2	9.20 ⁰⁰	9.2
14	9.7	9.70 ⁰⁰	9.7

11:20

12

11:20

Wednesday Mar. 12, 1919
 Comparison stars for P3 + S3 Tauri
 MC Series 893

MC 14329 Pale

Scale M

	Primary		D P. 16	mean D+D	Diff	P.C.		D P. 16	mean D+D	Diff
	Sc 1	Sc 2				Sc 1	Sc 2			
5	B					5.4	5.35	5.10	5.22	1.27
6	B					6.1	6.35	6.4	6.00	0.93
8	B						7.9	7.8	7.85	0.38
9	2.8		2.8	2.90	6.03		8.4	8.6	8.50	0.33
10	2.8		3.0	3.00	6.02		8.7	8.8	8.75	0.27
11	3.6		3.4	3.60	5.95		9.6	*8.9	—	
12	3.9		3.8	3.95	5.91		9.7	9.8	9.75	0.11
13	4.2	4.6	4.1	4.30	6.00					
14	5.3	5.5	4.85	5.12	5.53					
15	5.7	5.6	5.15	5.45	5.63					
16	5.7	5.9	5.40	5.65	5.75					
17	5.9	6.2	5.90	6.02	5.61					
18	6.8	7.0	6.50	6.75	5.31					
19		7.5	7.3	7.40	5.02					
20		7.8	7.6	7.70	5.03					
23		8.4	8.3	8.35	4.99					
25		8.8	8.9	8.85	5.02					
26		9.3	9.4	9.35	4.98					
27		9.6	9.7	9.65	5.04					

* meas. faint star nr. p.c.

11:30

11:30

Wednesday Mar. 12, 1919
 Comparison Stars for RZ + SZ Pauri.
 MC Series 893

MC 14329 Pole

Scale M	Diff "g"		Diff "h"		mean Diff	
	Sc 1	Sc 2	Sc 1	Sc 2	mean	Diff
5	$\begin{smallmatrix} 4.3 & 1.1 \\ 4.1 & 4.20 \end{smallmatrix}$	4.1	$\begin{smallmatrix} 0.8 & 0.1 \\ 4.12 & \end{smallmatrix}$	3.80	3.96	2.53
6	$\begin{smallmatrix} 4.9 & 1.0 \\ 4.1 & 4.95 \end{smallmatrix}$	5.0	$\begin{smallmatrix} 1.0 & 1.0 \\ 4.85 & \end{smallmatrix}$	4.32	4.58	2.53
8	$\begin{smallmatrix} 6.3 & 1.0 \\ 6.1 & 6.35 \end{smallmatrix}$	6.4	$\begin{smallmatrix} 0.5 & 0.5 \\ 6.30 & \end{smallmatrix}$	5.98	6.14	2.09
9	.	7.2	$\begin{smallmatrix} 0.5 & 0.5 \\ 7.15 & \end{smallmatrix}$	7.08	7.12	1.71
10	.	7.6	$\begin{smallmatrix} 1 & 1 \\ 7.70 & \end{smallmatrix}$	7.25	7.48	1.54
11	.	8.2	$\begin{smallmatrix} 1 & 0 \\ 8.20 & \end{smallmatrix}$	8.00	8.10	1.45
12	.	8.5	$\begin{smallmatrix} 1 & 0 \\ 8.55 & \end{smallmatrix}$	8.70	8.62	1.24
13	.	8.8	$\begin{smallmatrix} 1 & 0 \\ 8.80 & \end{smallmatrix}$	8.85	8.82	1.48
14	.	9.1	$\begin{smallmatrix} 1 & 0 \\ 9.15 & \end{smallmatrix}$	9.40	9.28	1.37
15	.	9.6	$\begin{smallmatrix} 1 & 0 \\ 9.65 & \end{smallmatrix}$	9.80	9.72	1.36

11:37

14

11:37

Wednesday Mar 12, 1919.

Comparison Stars for $\rho_3 + \delta_3$ Dauri.

McL series. 893

Sequence for $\rho_3 + \delta_3$ Region $4^h 29^m 45^s + 17.05$ alt corr. $+0.18$

MC 14332

Scale m

Primary

Cu.

mag

p.c.

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Bk. 19:106

	Sc 1	Sc 2			Sc 1	Sc 2	Cu.	mag.
a	B				5.7 ^{5.9}	5.4 ^{5.80}	1.08	6.88
b	B				6.7 ^{6.9}	6.6 ^{6.75}	0.75	7.50
c	B				6.8 ^{7.0}	6.8 ^{6.90}	0.71	7.61
d	B					7.9	0.44	8.34
e	2.6 2.4		6.06	8.66		confused with another star		
f	2.8 2.6		6.04	8.84		8.3	0.35	8.65
g	3.4 3.2		5.98	9.38		8.8	0.27	9.07
h	3.9 3.7		5.92	9.82		9.2	0.20	9.40
k	3.9 3.7		5.92	9.82		9.6	0.14	9.74
l	4.2 ^{0.1} 4.0 ^{4.25}	4.3	5.87	10.07				
m	4.5 ^{1.0} 4.3 ^{4.55}	4.6	5.83	10.38				
n	5.3 ^{1.1} 5.1 ^{5.30}	5.1	5.73	10.93				
o	5.8 ^{2.1} 5.6 ^{5.65}	5.5	5.64	11.29				
p	6.0 ^{1.1} 5.8 ^{5.90}	5.8	5.57	11.47				
q	6.9 ^{0.0} 6.7 ^{6.90}	6.9	5.27	12.17				
r		7.8	5.04	12.84				
s		7.8	5.04	12.84				
t		7.2						
u		7.2						
v		7.2						

11:50

Wednesday Mar 12, 1919

Comparison stars for PZ + S3 Tauri.

11:50

MC Series 892

Sequence for PZ + S3

MC 14332 Region 4 $\alpha 29^m 45^s + 17.5$ Alt Corr. +18

Scale	Diff "g"	mean g+h	Alt.	Diff "h"	mag
ser 1	ser 2			ser 1	ser 2
a	^{4.5} _{4.3} ^{2.2} _{4.30} 4.1	^{02 03} _{4.28}	2.54	^{4.3} _{4.1} ^{1.0} _{4.25} 4.2	6.82
b	^{4.9} _{4.7} ⁰⁰ _{4.90} 4.9	^{00 00} _{4.90}	2.42	^{4.9} _{4.7} ⁰⁰ _{4.90} 4.9	7.32
c	^{5.5} _{5.3} ^{1.2} _{5.35} 5.2	^{13 12} _{5.22}	2.34	^{5.1} _{4.9} ⁰⁰ _{5.10} 5.1	7.56
d	^{6.4} _{6.2} ^{0.1} _{6.35} 6.3	^{07 08} _{6.42}	1.95	^{6.6} _{6.4} ^{1.1} _{6.50} 6.4	8.37
e	^{6.5} _{6.3} ^{1.2} _{6.35} 6.2	^{07 08} _{6.42}	1.95	^{6.6} _{6.4} ^{1.1} _{6.50} 6.4	8.37
f	^{6.5} _{6.3} ⁰⁰ _{6.50} 6.5	^{00 00} _{6.50}	1.90	^{6.5} _{6.3} ⁰⁰ _{6.50} 6.5	8.40
g	.	⁰⁰ _{7.60} 7.6	1.54	.	⁰⁰ _{7.60} 7.6
h	.	^{1.1} _{8.20} 8.3	1.37	.	^{1.1} _{8.20} 8.1
k	.	^{1.1} _{8.60} 8.7	1.33	.	^{1.1} _{8.60} 8.5
l	.	^{1.0} _{8.75} 8.7	1.32	.	^{1.0} _{8.75} 8.8
mv	.	^{1.0} _{9.05} 9.1	1.33	.	^{1.0} _{9.05} 9.0
n	.	^{0.1} _{9.25} 9.2	1.35	.	^{0.1} _{9.25} 9.3
o	.	^{0.1} _{9.65} 9.6	1.40	.	^{0.1} _{9.65} 9.7
p	.	^{0.0} _{9.70} 9.7	1.41	.	^{0.0} _{9.70} 9.7

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BK 19.10812:05

16

Wednesday Mar. 12, 1919
 Comparison stars for 93 + S3 Pauri.
 MC Series 893

MC 14335 Pale

Scale CM	Primary	
	Sc 1	Sc 2
5	B	.
6	B	.
8	B	.
9	^{2.8} B	.
10	^{3.0} B	.
11	^{3.4} B	.
12	^{3.8} B	.
13	^{4.1} B	.
14	^{4.9} _{5.1} 4.85	4.8
15	^{5.1} _{5.3} 5.15	5.2
16	^{5.1} _{5.3} 5.40	5.5
17	^{6.0} _{6.4} 5.90	5.8
18	^{6.4} _{6.2} 6.50	6.6
19	.	7.3
20	.	7.6
23	.	8.3
25	.	8.9
26	.	9.4
27	.	9.7

	p. c.	
Sc 1		Sc 2
^{5.1} _{4.9}	^{0.0} _{5.10}	5.1
^{5.4} _{5.9}	^{1.1} _{6.00}	5.9
.		7.8
.		8.6
.		8.8
.		*8.9
.		9.8

* near. faint star near p.c.

12:20

12:20

Wednesday Mar. 12, 1919
 Comparison Stars for RZ + SJ Pauc
 MC Series 893

MC 14335 Pale

Scale M	Diff "g"	mean g+h	Diff "h"		
	Sc1	Sc2	Sc1	Sc2	
5	^{3.8} 4.9 3.6	3.80	^{3.8} 3.6		
6	^{4.4} ¹¹ 5. 4.2 4.2	^{02 03} 4.32	^{4.4} ^{0 1} 4.2 4.35	4.3	
8	^{5.9} ¹⁰ 5.7 5.95 6.0	^{03 02} 5.98	^{6.1} ^{1 1} 5.9 6.00	5.9	
9	^{12 13} 8 7.2	^{12 13} 7.08	^{7.0} ^{0 1} 6.8 6.95	6.9	
10	7.3	¹⁰ 7.25		7.2	
11	8.1	¹¹ 8.00		7.9	
12	8.6	¹ 8.70		8.8	
13	8.8	^{0 1} 8.85		8.9	
14	9.5	¹ 9.40		9.3	
15	9.8	^{0 0} 9.80		9.8	

12:30

18

See NB
Below
9:20

Wednesday Mar. 19, 1919

Low positions faint comp. stars
R3 Tauri. — measuring Machine.

MC 13819

	V	H	V	H	mean V	mean H
	^{cm.}	^{cm.}	^{cm.}	^{cm.}		
R3	13.32	13.77	13.32	13.78	13.320	13.78 ⁷⁵
Catalogue stars { m	14.96	13.06	14.96	13.08	14.960	13.070
{ d	11.66	13.74	11.66	13.73	11.660	13.74 ³⁵
{ e	13.13	15.75	13.13	15.75	13.130	15.750
{ o	12.75	13.99	12.75	13.98	12.750	13.985
{ p	14.64	13.13	14.64	13.14	14.640	13.14 ³ 5
{ q	12.57	13.38	12.56	13.38	12.565	13.380
{ r	13.52	13.83	13.52	13.84	13.520	13.84 ³ 5
{ s	12.56	13.75	12.55	13.76	12.55 ⁵ 5	13.755
{ t	12.52	13.65	12.52	13.65	12.520	13.650
{ u	12.34	13.95	12.35	13.95	12.345	13.950
{ v	12.53	14.04	12.54	14.04	12.535	14.040

Scale of plate
98" = 1 m.m.

9:40

		Using "n."	Using "n."	Using "n." (sec δ = 4)	1900 position	
		(Diff. V)	(Diff. H)	(Diff. V)	(Diff. H)	Q.A.
		X 982	X 982	X 982	X 982	Dec.
R3	1.640	+0.705	1610.5	692	11.3	18° 33'
o	2.210	+0.915	2170	899	15.2	18° 36'
p	0.320	+0.065	314	64	3.2	18° 27'
q	2.395	+0.310	2352	300	16.5	18° 27'
r	1.440	0.765	1414	751	9.9	18° 33'
s	2.405	0.685	2362	673	16.6	18° 32'
t	2.440	0.580	2396	570	16.8	18° 31'
u	2.615	0.880	2568	864	18.0	18° 35'
v	2.425	0.970	2381	953	16.7	18° 37'

NB — R3 Tauri proves to be cat. star

+18° 65' 9" ^{h 28.1} 4 ^{30.7} +18° 28' 9.3 Reduced to
1900 — ^{h 30.7} 4 +18° 34'

Faint Comparison stars P3 Touri, 19 Reduction continued from P.18.

			Using "d"			Using "d" (sec δ = 1.055)			1900 Position	
			Diff. V	Diff. H	Diff. V	Diff. V	Diff. H	Diff. V	d = 4 ^h 32.7 ^m + 18° 33'	Dec.
			× 982	× 982	× 982 × sec δ	× 982 × sec δ	× 982 × sec δ	× 982 × sec δ	Q.A.	Dec.
+	g	P3	-1.660	0.040	-1630	39	-1720	-114 1.9	4 ^h 30.8	18 33
+541	207	o	-1.090	0.250	-1070	246	-1829	-75 1.2	31.5	37
-1367						25				
+591	-628	p	-2.980	-0.600	-2926	-589	-3087	-206 3A	29.3	23
-1867						57				
+782	388	q	-0.905	-0.355	-889	-349	-938	-62 1.0	32.7	27
-207	59	r	-1.860	0.100	-1827	98	-1927	-128 2.1	30.6	35
+793	-19	s	-0.895	0.020	-879	20	-927	-62 1.0	31.7	33
+829	-122	t	-0.860	-0.085	-845	-83	-891	-60 1.0	31.7	32
+1010	-172	u	-0.685	0.215	-673	211	-710	-47 0.5	31.9	37
+814	-161	v	-0.875	0.305	-859	300	-906	-60 1.0	31.7	38

↑ ↑
y +

			Using "l"			Using "l" (sec δ = 1.058)			1900 Position	
			Diff. V	Diff. H	Diff. V	Diff. V	Diff. H	Diff. V	l = 4 ^h 31.0 ^m + 19° 6'	Dec.
			× 982	× 982	× 982 × sec δ	× 982 × sec δ	× 982 × sec δ	× 982 × sec δ	Q.A.	Dec.
21	+	g	-0.190	-1.975	-187	-1939	-198	-13 0.2	4 30.8	18 34
593	206	o	0.380	-1.765	373	-1733	395	2 6 0.4	31.4	37
331	-1371	-629	p	-1.510	-2.615	-1480	-2568	-104 1.7	29.3	23
36	785	-388	q	0.565	-2.370	555	-2327	39 0.6	31.6	27
23	-207	59	r	-0.390	-1.915	-383	-1880	-27 0.4	30.6	35
27	+796	-20	s	0.575	-1.995	565	-1959	39 0.6	31.6	33
33	832	-123	t	0.610	-2.100	599	-2062	42 0.7	31.7	32
32	1014	-171	u	0.785	-1.800	771	-1768	54 0.9	31.9	37
22	816	-160	v	0.595	-1.710	584	-1679	41 0.7	31.7	38

↑ ↑
y +

over

Faint Comparison Stars. R3 Tauri.
Reduction continued from pp. 18, 19.

	mean 1900 position from n. d. l.		mean x	mean y
	R.A.	Dec.		
Rg	4 ^h 30.8 ^m	18° 33'		
o	31.4	37	592	207
p	29.3	23	-1368	-628
q	31.7	27	783	-388
r	30.6	34	-207	59
s	31.7	33	794	-19
t	31.7	32	830	-122
u	31.9	36	1011	172
w	31.7	38	814	261

Friday Mar. 21, 1919
9:35 Rg Tauri.

	<u>Plate</u>	<u>Est.</u>	<u>Remarks</u>	
<u>all</u>	4620	10.3		✓
<u>a@</u>	158	10.5	i	✓
	6115	10.2	i	✓
<u>Platts</u>	2433	10.7 ²	i	✓
	4598	10.3		✓
	119		t.p.	✓
	5688	10.3		✓
	1952	10.5	i	✓
	7356	<11.0	n.a. i fogged	✓
	4251	10.5		✓
	5617	10.5		✓
	1854	10.3		✓
	7287	10.7		✓
	4224		t.p.	✓
	5598	10.9	fogged	✓
	1845	10.5		✓
	7256		Does not cover	✓
	4130	10.2		✓
<u>10:00</u>	5527	10.7		✓
<u>10:30</u>	1786	10.2		✓
	7220	10.3		✓
	4053	10.5		✓
	2982	10.2		✓
	4640		Does not cover	✓
	477		t.p.	✓
	6263	10.2		✓
	2930	10.3		✓
<u>10:35</u>	4629		t.p.	✓

Friday Mar. 21, 1919
 R3 Tauri,

10:35

All
ac

Plates

Plate	Ext	Remarks	
164	10.5		✓
6152	10.3		✓
2862	10.3		✓
5855		Exp.	✓
2228	10.3	very black plate	✓
5753		Does not cover	✓
4506	10.3		✓
5747	10.2	fogged	✓
2176	10.3		✓
7379	10.5		✓
4442	10.7		✓
5724	10.5		✓
2091	10.3		✓
7374	10.6	c	✓
4348	10.4		✓
5708	10.7		✓
2033	10.2		✓
7371	10.6		✓
4270	11.1		✓
5864	10.3	fogged	✓
6034	10.4	"l" defocused	✓
2372	10.5	fogged	✓
4564	10.7		✓
117		t. k.	✓
6025		t. k.	✓
2308	10.2		✓
4552	10.5		✓
108		t. k.	✓

10:50

3:05

3:10

Friday Mar. 21, 1919
R. J. Lawrie.

3:10

	Plate	Ent	Remarks	
<u>all</u>	5873	10.2		✓
<u>QC</u>	2262	10.9		✓
<u>Plates.</u>	5324	10.3	i	✓
	1190		t.p.	✓
	6936	10.5		✓
	3300	10.9		✓
	5263		t.p.	✓
	1047	10.5		✓
	6927	10.3		✓
	3266		t.p.	✓
	5160	10.3		✓
	669	11.1		✓
	6843	10.7	fogged	✓
	3212	10.3		✓
	4856		t.p.	✓
	650		leo.	✓
	6794	10.3		✓
	3129	10.3		✓
	4855		t.p.	✓
	566	10.2		✓
	6775	10.5		✓
	3089	10.5		✓
	4731		t.p.	✓
	480		t.p.	✓
	6671	10.5		✓
	5481	10.2		✓
	1738		t.p.	✓
<u>3:30</u>	7214	10.5	i	✓

24

Friday Mar. 21, 1919
R₃ Tauri3:30

	Plate	Est.	Remarks.	
<u>All</u>	4025	10.3		✓
<u>CC</u>	5470	10.7		✓
	1385	10.5	fogged	✓
<u>Plates</u>	7148		fogged by moon	✓
	3446		t.p.	✓
	5423		t.p.	✓
	1364	10.2?	fogged	✓
	7111	<10.1	n. 2 "	✓
	3412	10.3	fogged	✓
	5413	10.7		✓
	1261	10.2		✓
	6983		t.p.	✓
	3347	10.2		✓
	5358	10.5		✓
	1244		t.p.	✓
	6965	10.6		✓
	3337	10.2		✓

3:40

Monday Mar. 24, 1919
 93 Tauri.

10:40

	Plate	Est.	Remarks.	
<u>all</u>	12683	10.2		✓
<u>ac</u>	13741	10.5		✓
	14715	10.5	i	✓
<u>platin</u>	13330	10.7?	i	✓
	8175	10.5		✓
	7861	10.6		✓
	8010	10.6		✓
	9156	10.5		✓
	8144	10.5		✓
	7465		Badly fogged	✓
	7975	10.6		✓
	9140	10.4		✓
	8095	10.4		✓
	7430	10.3		✓
	7925		t.p.	✓
	8962	10.2		✓
	8033		t.p.	✓
	7416	10.5	i	✓
	7904		t.p.	✓
	8902	10.2?	badly fogged	✓
	12717	10.3 i		✓
	14418		t.p.	✓
	11130	10.3		✓
	9817		t.p.	✓
	12698	10.5		✓
	14380		iso	✓
	11079		Eclipse of sun	✓
<u>11:15</u>	9688	10.7		✓

Monday Mar. 24, 1919
Q3 Luvri.

11:15

	Plate	Est.	Remarks	
all <u>ac</u> Plates	8245	10.5		✓
	13794		Leo.	✓
	11025	10.4		✓
	9282	10.7		✓
	8231	10.3		✓
	13767	10.4	i	✓
	10969	10.3		✓
	9215	10.6		✓
	12928	10.3		✓
	14587	10.4		✓
	11449	10.4		✓
	10092	10.3		✓
	12908	10.6		✓
	14572	10.3		✓
	11354	10.9		✓
	10059	10.3		✓
	12839	10.2		✓
	14524	10.3		✓
	11266	10.3		✓
	9970	10.4		✓
	12779	10.3		✓
	14505	10.6		✓
	11192	10.3		✓
	9888	11.1		✓
	11975	11.3		✓
	10228	10.7		✓
	13309	10.2		✓
<u>11:45</u>	14629	10.5		✓

Monday Mar. 24, 1919
P. J. Lauri.

2:25

	<u>Plate</u>	<u>Est.</u>	<u>Remarks</u>	
<u>All</u>	11855		t.p.	✓
	10212	10.2		✓
<u>ac</u>	12985	10.3		✓
<u>Plates</u>	14624	10.2	c	✓
	12327	10.3		✓
	11528		t.p.	✓
	10135	10.3		✓
	12955	10.3		✓
	14615	10.3		✓
	11460	10.3		✓
	10117		t.p.	✓
	12276	10.3		✓
	13752	10.3		✓
	14778		2so.	✓
	12107	10.3		✓
	10853		t.p.	✓
	13482		t.p.	✓
	14766	10.6	p fogged	✓
	12103	10.3	c	✓
	10311	10.4		✓
	13377	10.6		✓
	14741	10.3		✓
	12052		t.p.	✓
	10288	10.3		✓
	13352	10.3		✓
	14726	10.3		✓
	12013		t.p.	✓
<u>2:55</u>	10275	10.4		✓

Sunday Mar. 24, 1919
R3auri

2:55

All
ac
plates

<u>Plate</u>	<u>Est.</u>	<u>Remarks</u>	
13689	10.2		✓
13614	10.25		✓
14919	10.25		✓
12229	10.5		✓
14902	10.3		✓
13609	10.3		✓
14882	10.3		✓
12208	10.5		✓
10961	10.4		✓
13590		tip.	✓
14799	10.5		✓
12166	10.5		✓
10951	10.3		✓
13588		iso.	✓
14791	10.5		✓
12115	10.4		✓
10940	10.3		✓
13534	10.3		✓
12241	10.2		✓
13648	10.5		✓
13662		tip.	✓
16361	10.3		✓

3:10

Wednesday Mar. 26, 1919.
 Pz Tauri.

12:15

	Plate	Est.	Remarks	
<u>all</u>	698	10.3		✓
<u>am</u>	674	10.5		✓
	3220	10.4		✓
	1616	10.3		✓
<u>Plates</u>	3148	10.5		✓
	2333	10.3		✓
	337		200.	✓
	1610	10.6		✓
	3144	10.5		✓
	3235	10.3		✓
	2241	10.9		✓
	252	10.5		✓
	3054	11.1		✓
	1520	10.4		✓
	1646	10.3		✓
	3251	10.4	trailed	✓
	222	10.5		✓
	3036		t.p.	✓
	1131	10.2		✓
	3917	10.5		✓
	1636	10.3		✓
	261	10.5		✓
	3950	10.3		✓
	6622	10.3		✓
	4721	10.3		✓
	5954		t.p.	✓
	4715	10.4		✓
12:55	5911	10.3		✓

30

~~Thursday~~
~~Wednesday~~ Mar. 27, 1919
 R3 Fauri.

1:35

	Plate	Est	Remarks.	
all	4650	10.5		✓
	6799	10.3		✓
am	5857	10.4		✓
	4630	10.5		✓
Plats.	5302	10.4		✓
	6693	10.7		✓
	6813	10.3		✓
	3262	10.4		✓
	2348	10.2		✓
	4512	10.3		✓
	5296		t.p.	✓
	4109	11.2?		✓
	5243	10.3		✓
	4057	10.5		✓
	5231	10.5		✓
	4035	10.5		✓
	5206	10.5		✓
	6773	10.4		✓
	6660	10.5		✓
	5050		t.p.	✓
	6629	10.2		✓
	5045	10.5		✓

2:10

Friday Mar. 28, 1919

R₃ Tauri.9:25

	<u>Plate</u>	<u>Exp.</u>	<u>Remarks</u>	
<u>All</u>	21131	10.5	fogged.	✓
	20753		Does not cover	✓
<u>CC</u>	15759	10.3 c		✓
	18677		Does not cover	✓
<u>plates.</u>	16824	10.3		✓
	20646		Does not cover	✓
	15741	10.5	two exposures & pale.	✓
	21156		iso.	✓
	18581	10.2		✓
	16757		Does not cover	✓
	20599		Fogged.	✓
	15732	10.5		✓
	18564	10.3		✓
	21237		Does not cover	✓
	19176		" " "	✓
	21070	10.6		✓
	17079	10.5		✓
	19135		Does not cover	✓
	17068	10.6		✓
	20993		Does not cover	✓
	15833		iso.	✓
	19055	10.7		✓
	16931		Does not cover	✓
	20858	10.3		✓
	15826	10.5		✓
	19236	10.3	fogged.	✓
	18754	10.3	fogged.	✓
<u>9:45</u>	16926		iso.	✓

32

Friday Mar. 28, 1919.
R3 Tauri.

10:15

9:45

	<u>Plate</u>	<u>Est.</u>	<u>Remarks</u>	
<u>All</u> <u>QC</u> <u>plates</u>	20813	10.5		✓
	15796	10.3 i		✓
	18694		Does not cover	✓
	16856	10.3		✓
	15885	10.3		✓
	17401		Does not cover	✓
	19267	10.7?		✓
	19499		Does not cover	✓
	15875	10.3		✓
	17319		Leo	✓
	17212		Does not cover	✓
	19455		" " "	✓
	15852		Leo	✓
	17118	10.3		✓
	19396		Does not cover	✓
	15844		Leo	✓
	17216		Leo	✓
	15936	10.5		✓
	17988	10.5		✓
	15986	10.5 i		✓
	19635		Does not cover	✓
	15916	10.3		✓
	17880		Does not cover	✓
	15950		Badly fogged	✓
	19587	10.5		✓
	15898	10.2		✓
	17447		Does not cover	✓
10:30	19322		Leo	✓

Saturday Mar. 29, 1919
 93 Tauri.

11:20

	<u>Plate</u>	<u>Ext.</u>	<u>Remarks</u>	
<u>all</u>	19511		220.	✓
	18265		fogged.	✓
	16112		Does not cover	✓
<u>ac</u>	19868		220.	✓
	15613		t. p.	✓
<u>plates</u>	18214		220.	✓
	16110	10.5		✓
	19853	10.3		✓
	15602	10.4		✓
	18111		Does not cover	✓
	16050		220	✓
	19763	10.3		✓
	15567	10.3		✓
	18071	10.3	p.	✓
	16032	10.3		✓
	19738		220.	✓
	15532	10.3		✓
	18046	10.3		✓
	16018	10.5	i	✓
	19702		Does not cover	✓
	20513		" " "	✓
	15714	10.5		✓
	18422		" " "	✓
	16347		220	✓
	20407		220.	✓
	15708		220.	✓
	18354	10.3		✓
<u>11:35</u>	16212		Does not cover	✓

Saturday Mar. 29, 1919
 R3 Fauri.

11:35

	Plate	Est.	Remarks	
<u>all</u>	20345		t.p.	✓
<u>ac</u>	15674		iso.	✓
<u>plates.</u>	18324	10.3		✓
	16204		iso.	✓
	19931		Does not cover	✓
	15632		iso.	✓
<u>all</u>	13917		iso.	✓
<u>am</u>	12456	10.2 f.		✓
<u>plates.</u>	13912		iso.	✓
	11623	10.4		✓
	13907		iso.	✓
	11446	10.3		✓
	13902		iso.	✓
	9412	10.3		✓
	11336		Does not cover	✓
	12477	<10.1	n.r.	✓
	9373	10.5		✓
	13860		Does not cover	✓
	8764	10.2		✓
	11181		t.p.	✓
	8760	10.3		✓
	12726		iso.	✓
	8740	10.2		✓
	128516	<10.1	n.r.	✓
	10455		Does not cover	✓
	9610		t.p.	✓
	12715		iso.	✓
<u>11:55</u>	7990		t.p.	✓

Saturday Mar 29, 1919
 P 3 Fauri.

11:55

	<u>Plate</u>	<u>Est.</u>	<u>Remarks</u>	
all	9605		t.p.	✓
	12700		200.	✓
try	7883	10.5		✓
	9635	10.3	i	✓
plates	9497		t.p.	✓
<u>12:00</u>				

Monday Mar. 31, 1919

β Tauri.3:45

Plate	Est.	Remarks	
D26481		Does not cover	✓
D26032	10.3	e i	✓
D25594		Does not cover	✓
D24973	10.5		✓
D39203		~~m #~~ 1953	✓ super
D39304		m # 1954	✓ super
D38350	10.9	~~t.p.~~	✓
D39186		t.p.	✓
D39187		off edge	✓
D39188		off edge	✓
D39189		off edge	✓
D39190		off edge	✓
D39191		off edge	✓
D36576		Spectrum	✓
D37361		"	✓
D37362		"	✓
D37363		"	✓
D37364		"	✓
D37384		"	✓
D37385		"	✓
D37394		"	✓
D37414		"	✓
D34317	10.5		✓
D34491		Spectrum	✓
D28330	10.3		✓
D31181	10.3 c		✓
D32053		t.p.	✓
D9583		t.p.	✓

4:00

Monday Mar. 31, 1919
R. J. Edw. J.

4:00

Plate	Est.	Remarks	
Q 24903	10.3		✓
Q 24386	10.5		✓
Q 24314	10.5		✓
Q 24339	10.5		✓
Q 24181	10.3		✓
Q 24182	10.6 c		✓
Q 22468	10.4		✓
Q 21369		t. p.	✓
Q 21420	10.5		✓
Q 19983	10.5		✓
Q 19046		iso?	✓
Q 17307		t. p.	✓
Q 16116	10.6		✓
Q 16240	10.6		✓
Q 16014	10.4		✓
Q 14196	10.5		✓
Q 14531	10.3		✓
Q 15982	10.3	l. c.	✓
Q 12436	10.5		✓
Q 12047	10.3		✓
Q 10589	10.6		✓
Q 11862		too near edge	✓
Q 11901	10.3	fogged.	✓
Q 10147	10.6 c		✓
Q 7742		too near edge	✓
Q 5038		off edge.	✓
Q 5269	10.9		✓
Q 5294		Too near edge	✓

4:40

Tuesday April 1, 1919
R₃ Tauri.

11:50

Plate	Est.	Remarks	
Q 5334	10.2		✓
Q 5406	10.5		✓
Q 4644		off edge	✓
Q 5037	10.5		✓
Q 2576		t.p.	✓
Q 4643	10.5		✓
Q 2363		t.p.	✓
Q 2403	10.3		✓
Q 2205	10.2	c.p.	✓
Q 720	10.5		✓
Q 456	10.3	c	✓
Q 518		too near edge	✓
Q 519	10.3		✓
MC 14332	10.4		✓
MC 9750		2nd	✓
MC 6985		Does not cover	✓
MC 7125	10.7		✓
MC 7814	10.5		✓
MC 7836	10.6		✓
MC 8075	10.7		✓
MC 9366	10.8		✓
MC 2113		focus plate	✓
MC 2553		sent to Schlesinger	✓
MC 2674		" " "	✓
MC 4411		spectrum	✓
MC 4501		focus plate	✓
MC 4994	10.3	longer exposure	✓
MF 1011	10.5		✓
34422		just off edge	✓

12:10

Tuesday April 1, 1919
P3 Fauri.

2:55

Plate	Est.	Remarks.
MD 9391		Does not cover ✓
MD 9749	10.5	✓
MD 9809	10.3	✓
MD 9810	10.3	✓
MD 9836	10.5	✓
MD 9837	10.7	✓
MD 2674		Sent to Sah Ossinger ✓
MD 6809	10.9	✓
MD 7704	10.3	✓
A 4053		Does not cover ✓
A 4069	10.5	✓
A 4031	10.5	✓
A 4028	11.1	✓
A 3936		Does not cover ✓
A 126		t.p. ✓

3:20

<u>3:35</u>	MD 685	10.5	c	✓
	AC 17286	10.5		✓
	AC 9666		t.p.	✓
	AC 12268	10.5		✓
	AC 2965	10.3	c	✓

3:40

Wednesday, April 2, 1919

P3 Tauri

11:15Mul. image plates.ac 18231Exps. numbered full. & prec. ✓Exp. no.mag.

1 10.3

2 10.3

3 10.5

4 10.5

5 10.7

6 10.6

7 10.3

8 10.3

9 10.2

10 10.3

11 n.v.

ac 13471Exp. no.

✓ ac 15713

t.p. var. does not show ✓

✓ ac 18353

Entire exp. only Exp. 1

10.3

23^m

Exp. 2

10.3

✓ ac 624

Exp. 1

10.3

✓

" 2

10.4

✓

" 3

10.3

✓

4 }
5 }

not seen. ✓

only 2 exps
Trail before
1st and
between 1st & 2nd

Wednesday April 2, 1919
Pg Tauris.

CC 13471 - Var. not seen. ✓

CC 13482 - Var. not seen. ✓

12:15

Monday June 23, 1919

R3 Tawic.

Plate	Cent.	Remarks.	
AC13819	10.6		✓
Q39303	t.p.	MF 1953 super.	✓
Q39304	t.p.	super. on MF 1954	✓
MF1011	10.5		✓
AC16970		Wrong region	✓ $56^m + 44.8^s$
AM10481	t.p.		✓
AM11335	10.3		✓
AM11346	10.2		✓
AM11370	10.3		✓
AM11381		Iso.	✓
AC17194	10.2		✓
AC19384	10.3	i	✓
AC19417	10.4		✓
AC19143	t.p.		✓
AC19205	t.p.		✓
AC19218	10.5	fogged.	✓
AC18981	10.2		✓
AC18683	10.3		✓
AC18639		Iso	✓
AC18478	10.2		✓
AC18410	10.2		✓
AC18194		Iso.	✓
AC18100	10.5		✓
AC11278	10.9		✓
AC11892	t.p.		✓
AC12061	10.5		✓
AC13434	10.5		✓
AC1706B	10.3		✓

Monday June 23, 1919
Q3 Tauri.

Plate	Est.	Remarks	
QC20927		iso.	✓
QC20634	10.8?		✓
QC20684		t. p.	✓
QC20718	10.2		✓
QC20751	10.5		✓
QC20500	10.3		✓
QC20535	11.1		✓
QC20615	10.3		✓
QC19945	10.5	figged by moon	✓
QC19644	10.5		✓
QC19691	10.3		✓
QC19740		iso.	✓
QC188		Wrong region	✓ 6 ^h 49 ^m H7.0
QC3378		does not cover	✓
QC6564		" " "	✓
QC13051		" " "	✓
QC21228	10.8		✓

1919phae.proj..706B