

KG

11566
x244

NOVA AQUILA No 3

Supernova
1918

- 1 Tel. & Tel. to HCO.
- 2 Letter to HCO.
- 3 Obs. at HCO. Vis.
- 4 Obs. at HCO. After.
- 5 Cir 20 Ob. de Mar.
- 6 Cir 21 Ob. de Mar.
- 7 Q. & V. No. Records.
- 8 JBA. 20, 207.
- 9 E.M. 107, 249.
- 10 C.R. 166, 991.
- 11 Cir 22 Ob. de Mar.
- 12 Eff. In art Nach. 548.
- 13 Bull. Harte Ob. No 13.
- 14 C.R. 166, 1042.
- 15 Cir 23 Ob. de Mar.
- 16 Cir 23 Ob. de Mar.
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25

*Adams	1	Flam & Randt	5	Reavitt	1
*Bancroft	10 11	*Francis	9 9	*Meeker	7
*Barnard	32 65	*Gould	12 12	*Moze	5
*Benoist	1	du Haan	6	Mumatt	4
*Bissell	1	M. A. Hauss	19 20	*O'Hare	19
*Blanc	3 3	*Knoen	5 5	Olcott	5
Block	5 5	*Hollis	2	Millorovich	2
*Bonelly	2	*Hophins	1	*Olinier	2
Bourget	1	Hunter	8	*Peltier	6
Bouton	10 10	*Touchene	1	Perry	1
*Brüger	1	*J. Jordan	1	*Peter	1
*Brook	3 5	*J. Jordan	1	D.P.P.	9
*Brown	1	*Joy	1	*W.P.P.	17
Campbell	105 106	*de Leon	2	*Porter	1
Coit	8	*Lincoln	7	Reardon	8
*Corrad	1	*Ringel	17	*Rollins	1
*Cook	3 34	*Luyten	1	*de Roy	10
*Courvoisier	1	Markwick	1	*Sellers	1
*Craworth	1	Macdonald	8	*Sola	2
Crane	5	Mach	10	*Spencer	1
*Denning	2	*Meatier	16 17	*Stearns	10
*Ellison	1				

June 3, 1918

Nothing about June 3, 1918

myon 15

*Thomson	⁴ 6
V	
Vann	² 2
Vrooman	⁴ 4
Walke E.E.	¹¹ 12
Whitehorn	⁸ 8
*Whitwell	¹ 1
*Wilson H.C.	² 2
Woods J.E.	⁹ 9
*Wuillmer	¹ 1
Young	¹ 1

*Vogelezang ¹2

* = Original Discoverers

June 3, 1914

Nothing abnormal ~~Dunnastbury~~ Myon 15

*Thomson	⁴ 6	*Crest a.g.	1
V			
Vann	² 2	*Hudson S.V.	1
Vrooman	⁴ 4	*Comrie L.J.	1
Walpa E.E.	¹ 2	Chopardet	⁴ 4
Whitehorn	⁸ 8	*Laskowski	5
*Whitwell	1	Dunnastbury	² 2
*Wilson H.C.	² 2	*Vogeleuzang	¹ 2
Woods J.E.	⁹ 9		
*Wuilemer	1		
Young	1		

* = Original Discoverers

June 4, 1918

Nothing abnormal

Summestray

15

June 5, 1918

June 6, 1918

No Nova Noticed.

Ref. Feb. 11. 12

June 8

June 7, 1914

365^h day > N > aeph. 1.1 ^{Obs. Geneva} Lashowski 15⁻ ?

June 8

6

2175³

see H 485

June 8, 1918

✓ 427	between altair & Vega	0.4	Laskowski	15-3 data.
✓ 447		1.42	Brook & L	2
✓ 447 or 490?		1.0	Thomson H.	2
542		0.9	Joubert	2
✓ 437		1.0	C. J. Spencer Halifax	9
11th ✓ 458		1.0	Cochi Goteborg	12
✓ ?		major 2nd to altair	Lefebvre	12 Berlin
✓ 417 = or 1/10 > altair		0.8	Lincoln J. S.	7
399	first seen.		Lincoln J. S.	7
✓ 361		1.5 1.7	Reiger Cir. 20 Mars Ob.	10 (4) 5
✓ 382	extra < altair	1.0	Blanc Cir 21	(5) 6
✓ 400 571	at times = to altair	0.9	de Roy & de Roy	8
✓ 392 576		1.0	Luyten & de Roy	(1)
9.25 MT. Deimos		1.0	Courvoisier de Roy	12 (4)
(first seen 526)	562 obs'd =	1.1	Courvoisier	(5) 6
date ?		1.0	Courvoisier	(5) 6
✓ 396		1.0	Moye Cir 22 Mars Ob.	11 (4) 5
✓ 411 625		0.9 1.05	Denning	8
✓ 437		1.1	Stevenson	(1)
✓ 448		1.0 1.09	de Roy Cir 20 Mars Ob.	14 (4) 5
✓ 447		?	H. Thomson	14
h 375		1.0	Blanc Cir 20 Mars Ob.	14
h 447		1.0	de Roy	14 2
517		1.13	Moye Cir 22 Mars Ob.	14 2
562		0.8	Woolfmer Cir 20 Mars Ob.	14 2
585		1.02	de Roy	14 2
✓ 580		1.0	Stevenson W. 14.	2
542		0.9	Stevenson W. 14.	2
583		0.9	Stevenson W. 14.	2
576		0.9	Stevenson W. 14.	2 photo.

June 8, 1912.

49 / 439 / 0.90
441

7

 $13\frac{3}{4} \cdot 562$ M.E.Z. = α Altair = 0.8 Ropcke Vers Bradenburg 12

604 Vega N Altair	0.5	O'Hare	2
542	0.9	Francis, Vincent	7
583 13:50	slightly γ Altair 0.7 $\pm$ 0.6	E.S. Gould letter	(7) (2)
583 14:00	Nova = Altair 0.9	Rollins letter	(2)
597 14:20	$\frac{1}{2}$ γ Altair 0.4	Jordan Inf. Mrs.	1 (2)
639 15:20	0.4	Oliveri, C.P. Telegram	(1)
687	1.0	Cudworth letter	# (2)
670	Altair 0.9	Petters letter	7 (2)
625	1.0 0.5	McAtter letter	(2) 7
687	N γ Altair 0.4	Barnard, E.E. telegram	(1) 2
11	0.7	Wilson H.C. Telegram	(1)
17 15:19		Bennoff, H. telegram	(1)
6 $\pm$ 17	N = Altair 0.9	Knorr, N.A. Atlantic City	2
17:50 743	about 0.7	Joy, A.H. Telegram	(1)
17:45 740	1.0 $\pm$ 1.2	Jordan Each Color	(1)
1760	0.5	Barnard	(2)
(Sum 424) - 382	1.1	Vogelzang	7
(Sum 465) - 424	1.2	Peters & Conrad telegram	(1)
20:20 847	0.5	Oliveri telegram	(1)
Dawn 847	0.4	Luyet	10
427	1.5	"	"
448	1.4	"	"
472	1.3	"	"
574	1.1	"	"
969	1.2 $\pm$	Hudson G.V.	13
903	1.2 $\pm$ 0.5 $\pm$	Cart A.S. Dinsdin N.Z.	13 Wellington N.Z.

8

396 > Vega > 0.2

Peigrosen

16

June 9, 1918

21754

399

-0.64

de Roy

214

413 slightly > Vega -0.5

Blanc ci 21 Mar. ab. ship 1918 (5)

417 > Vega > 0.2

Wuilleumier, Ar. 20 Mar. ab. (4)

431

-0.57

de Roy

214

448 > Vega > 0.2

Bouquet. ci 20 Mar. ab. (4)

486

-0.63

de Roy

214

Mean time

10:10 Jalapa Mexico Disc.

0.0

La Dolores de Leon (2)

583 = Vega 0.2

O'Hare

2

1/2 moon > Vega -0.3

Sola, Comas

8

687 IV 5 ant. -0.3

W.H.P.

(2)

625 6-5 -0.3

Francis

(2)

698 Sirius 1/2 Canopi -1.2

W.H.P. Glob Vega 3 ant. (2)

698 N > Sirius -1.6

W.H.P.

(2)

729 -1.0

Meader

(1)

18:00 750 Nova > Vega

Porter J.

telegram

(1)

-0.5

Wilson

letter

(2)

6 Nova = Vega 0.2

Known

2

667 N > Vega -1.4

Barand

letter

(2)

7 1/2 0.2

Pelt Meeker

7

Bright

Hopkins Miss M.M. telegram (1)

701 -1.4

Barand

(2)

7.01 -1.2

W.H.P.

2

625 Nova > Vega -1.4

Peltier

7

(2)

396 -0.5

Flammarion & Remondot 10

0.5

Zinell

telegram

(1)

417 -0.5

Moye

4

14:15 594 -0.7

Barcroft

card

(2)

500 -0.1

Sola, Comas

11

729 Nova > Vega -1.0

Meader

letter

(2)

792 -1.3 -1.4

W.H.P.

(2)

June 9, 1918

$$\begin{array}{r} -042 \\ 41 \overline{) 171} \\ \underline{164} \\ 7 \end{array}$$

9

—	> Vega	> 0.2	Laskowski	15 ?
583		0.1	Hunter	7
743		-1.3	Barnard	(2)

785		-1.6	Barnard	(2)
-----	--	------	---------	-----

?		1	Heilmann	12	Lindenbergh
360	8:38 M.E.Z.	1	Thomas	Urania	12
375		-0.3	Kuffer	Wesport	12
896		-1.5	Barnard	(2)	
479	11:30 M.E.Z.	> Vega	Rhodes	12	Keira
375	10 pm	1 ^m	Prey	12	Prey
385		-0.36	Brown	2	
389		-0.46	Adams	2	
427		-0.36	Bridges	2	
	Rivals Vega	-0.2	a G. Cook	2	
406		-0.5	Stearns	2	
479		-0.67	Stearns	2	
	N = Vega	0.2	Hollis (H.B.)	9	
389		0.7	Luzet	10	
399		0.4	" "	10	

June 19, 1918

500	00	Sole	"
406	00	Moye Montpelier	"
417	$N = 1/2 \text{ mag}$ Vega -0.36	Ellison	9
385	off main seq on 9 th	Blanc Cir 21, Mar 21, Mar 21	del (5)
	N. l. then Vega	Cook A.S.	L
	> a. l. t. n.	Borely, Cir 21 Mar 21	(5)
417	Nova 0.1 Vega	Lincoln	7
375	0.3	Thomson	14
403	0.24	de Roy	14
~~417~~	~~0.35~~	~~de Roy~~	~~14~~
385	~~0.21~~	Brook	L
437	~~0.36~~	Denning	L
500	~~0.12~~	Markwick	L
503	~~0.037~~	Brook	L
583	Nova 0.9 Vega -0.7	Borely Cir 21 Mar 21	(5)
437	0.0	Stavins	L
500	-0.21	Thomson	L
54	$x = \text{arct}$	Thomson	L
469	0.1	Sellers H	9
628	0.2	W.H.P.	2
639	0.1	W.H.P.	2
660	0.2	Barnard	2
668	0.0	W.H.P.	2
740	0.2	Barnard	2
399	0.26	de Roy	14
474	0.36	" "	14
549	0.37	" "	14
573	0.43	" "	14

PO
21755-

June 10, 1900

583 0.3 Hunter 7

>36 04 Meates 7

18:45 (7.41) γ N Altair 0.5 L. Campbell was then close uncertain. (3)

806 0.5 Barnard 2

833 0.5 Barnard 2

31) 43 (0.1 K)
31
120

12

21756

June 11, 1916.

G.M.T.

440	0.53	de Roy	14
465	0.49	" "	14
506	0.53	" "	14
	0.2	Millosevich	11
~~Nova > Vega~~		~~Meates Mer.~~	
2 Lynae	0.3	Chopardet	14
~~4 Mean 300~~	~~0.51~~	~~de Roy~~	~~2~~
.4	0.55	Lincoln	7
427	⁴⁶ +0.34	Brook	2
458	⁵⁴ +0.42 0.52	Brook	2
469	0.5	Thomson	2
490	0.49	Thomson	2
542 N-Vega	0.9	Flammarion & Renaudot	10
.562	0.64	W.H.P.	2
625	0.4	Francis	7
.660	0.04	W.H.P.	2
.663	-0.16	W.H.P.	2

21756

June 16, 1908.

9m.T. ⁶⁰⁴
14 30 →

0.4

crane mss. then drifting west. (2)

6

0.3

Bancroft

→

0.5

Neecher

733 Vega 3 N

0.4

mss. tables by cld. (2)

722

0.3

Barward

(2)

$$\begin{array}{r} 17 \overline{) 70.3} \\ \underline{0.41} \end{array}$$

$$\begin{array}{r} 20 \overline{) 8.37} \\ \underline{0.42} \end{array}$$

June 12, 1918

—	ht. ch. 2 nd leg	0.44	Laskowski	13
403		0.61	de Roy	14
459		0.58	" "	14
551		0.64	" "	14
		0.3	Milosevich	11
479		0.5	Moye	11
~~4~~	~~Mar 3 obs~~	~~0.60~~	~~de Roy~~	~~2~~
4		0.9	Lincoln	7
469		0.7	Stearns	2
6±		0.64	WASP	2
389		0.7	Ringet	10
310		0.65	"	10
469		0.75	"	10
503		0.80	"	10 - 25

June 12, 1912

21.757	608	0.8	M.A. Haurer	3
	594 Nova = Altair	0.9	Arthur Cherry	(2)
14.45	615 Nova = Altair	0.9	LC.	(3)
	6	0.4	Bouillon	7
	6	0.5	Alcott	7.6
	6	1.0	A.S. Young	(2)
	6	0.4	Whitehorn	7.6
	6	1.2	D.B. Cheney	7
	637 phos.	0.99	LC.	4 (2)
	649	0.5	Barnard	2
	6	0.8	Barnett	7
	659 phos.	1.03	LC.	4 (3)
	6	0.5	Liquid	7
	625 Vega Nova Altair	0.5	Offore	2
15.55	663 Altair 1 N 3 & Gg.	1.0	LC.	3 (2)
	6	0.7	Meeker	7
	683 phos.	0.95	LC	4 (2)
	625	0.8	Francis	7
	712 phos.	0.88	LC.	4 (3)
17.10	715 Altair 1, 3 & Gg.	1.0	LC.	(3)
	719 phos.	0.96	LC.	4 (2)
	722	1.1	Barnard	(2)
	804 phos.	1.22	LC	4 (2)
	765	0.6	McAllen	7
	811 phos.	1.08	LC.	4 (2)
19.35	816 Altair 3 2 & Gg.	1.1	LC.	(3)

35) 2763 3872922 (0.77)
0.79

16

21758

June 13-1968

- = altan	0.9	Laskowski	15
420	0.96	de Roy	14
506	0.98	de Roy	14
437	1.0	Chopardet	14
	1.0	Moze	11
~~4 Mean 206~~	~~0.97~~	~~de Roy~~	~~2~~
46	1.1	Lincoln	7
N = altan	0.9	Hollis	9
417	1.2	Flammarion	10
396	1.1	Reijet	10
411	1.2	"	10
426	1.3	"	10
458	1.2	"	10
583	1.1	Hunter	7

June 13-1882.

17

21758

13:50	576	Altair 3, 2 Dent.	0.16	Vann Mr	3
14:04	586	phtr	1.10	LC Mr	34
14:05	587		1.2	M.A. Haurer Mr	3
14:05	587		1.15	Dw. Haurer Mr	3
14:12	592	α Cent 2, 2 α Cyg.	1.11	LC Mr	3
14:15	594	Altair 3, 2 Dent.	1.16	Block.	3
	562	N = Altair	0.9	O'Hare	2
	60		0.9	Gould	7
	60		1.1	Boulton	7
14:30	604		1.1	EE Walker	3
14:35	608	phtr	1.06	LC.	34
	625		1.0	Flavens	7
15:25	642	Altair 4, 3 Dent.	1.21	Leavitt	3
15:30	646		1.2	Woods, I.E. Mr.	3
	76		1.2	Meeker	7
	670		1.19	W.H.B?	2
	7		1.0	Bancroft	7
	778		1.3	Barnard	2
19:18	804	phtr	1.32	LC	34
19:27	810	phtr	1.38	LC	34
19:30	812	α Cent 3, 1 α Cyg.	1.21	LC	3

$$\begin{array}{r} 31 \overline{) 409} \\ 1.13 \end{array}$$

$$\begin{array}{r} 1.12 \\ 34 \overline{) 3806} \\ 34 \\ \hline 46 \\ 34 \\ \hline 66 \end{array}$$

June 14, 1918.

altair 157N	1.04	C.T. Whitwell	9
417	1.4	Luzet	10
144	1.4	"	10
α Cyg.	1.3	Chopardet	14

24759

June 14, 1918.

542	1.2	Flammarene Remondet	10
548 photo	1.50	R.	3 4
583	1.3	Hunter	7
13:25 559	1.4	M.A. Hauer	3
625	1.19	W.H.P.	2
2000 7100 Regulus	1.3	O'Hare	2
.6	1.2	Olcott Ann	4 67
.6	1.3	Boulton	7
.615	1.8	Barward	(3)
.6	1.1	Crane	7
.681	1.8	Barward	(3)
.7	2.5	Dr. Lea. Lelton	2
.708	2.0	Barward	2 (2)
16:45 .698	1.5	J.E. Woods	3 Drifting, cloudy..
.796 photo	1.52	R.	3 4
.7	1.6	D.B. Bakery	7
.803 α Cyg 3, 4 7110 Maj	1.52	R.	3
.736	1.1	Weale	7
.8	1.3	Barward	7
.7	1.2	Gould	7
.7	1.18	Knower	7
.646	1.40	W.H.P.	2

25 94.8
138

26 97.8 (1.38)
18
196
206

June 15

46 spec 1,02 egg. 1.3

Lincoln

7

45 f ~~of the maj~~

1.95-20

Flammarion Opened

10000

760

June 15

	.6	Nova-Sueb	1.3	Knover	2
	.6		1.4	Gould	7
14' 30	604		1.6	Care Letter	(2)
	.604		1.7	RC.	3
	.67		1.7	Whitebow	(6) 7
	625	N = 4 egg.	1.3	O'Hare	2
	583		2.0	Hunter	7
	.740		1.6	Meaton	7
	.667		1.7	RC.	3
	674		1.5	Walker EE	3
	.7		2.3	DTB Pickering	7
	.7		1.7	Panewt	7
	792		1.9	Barward	2
	.799		1.8	RC.	3
	.7		1.2	Vrooman	7
	.6		1.5	Meaker	7

$$\begin{array}{r}
 18 \overline{) 125} \\
 \underline{169} \\
 \hline
 \end{array}$$

June 16, 1918

46

1.45

Lincoln

7

21761

June 16, 1917.

553	phtr	2.08	L.C.	4
556		2.0	Hawra, M.C.	3
594		2.1	Bloch, D.V.	3
597		2.0	L.C.	3
.6		2.0	Whitehorn	81
.6		2.0	Bouton	7
625		1.9	J.E. Woods. Min.	3
625		2.0	Mealer	7
667		2.1	Barnard	2
667		2.0	L.C.	3
625	N = 4 off	2.1	Oliver	2
68	2 off 0.1 mva	1.9	W.H.P.	2
583	E Sag on mva	2.6	Hunter	7
P		2.0	Bancroft	7
826		2.1	L.C.	3

16 | 3233
 2.02

June 17

115

June 17

26762

608

17

Peltier

7

667

22

Barward

2

7

20

Kroonman

27

750

23

Meaten

7

4	2
	2.05

June 18

417

20

Laskowski

15-

J. M. Maj. 25-

Chopardet

14

20

21763

June 18.

583		3	Hunter	1	Ref.
553	photo	1.91	RC		3 4
556		2.5	RC M.A. Howe	Turi.	3 3
559	photo	1.87	RC		3 4
625	N = 2 ofl.	2.1	O'Hare		2
6		2.7	Crane		7
597		2.1	Beltier	7	
584	photo	2.06	RC		3 4
594	"	2.02	RC		3 4
603	"	2.04	RC.		3 4
6		2.3	Whitehorn		8 7
6		1.8	Bouton		7
622		2.4	EE Walker		3
625		1.8			3
625		2.2	I.E. Woods		3
635		2.15	our B. book		3
659	photo	2.08	RC		3 4
639		2.5	Barnard		2
740		2.4	McAlister		7
804	photo	2.04	RC		3 4
811	photo	2.13	RC		3 4
7		2.0	Soule		7
7		1.0 ?	Mundt		7 Ref.

24) 4330 (2.16

$$\begin{array}{r} 20 \overline{) 4330} \\ \underline{2000} \\ 2330 \\ \underline{2000} \\ 330 \end{array}$$

June 19-1918

June 19-1918

21 764

583 = 2 ofh.	2.1	Offare	2
6	2.1	Boulton	7
660	2.3	LC.	3
6	2.9	Crane	7
660			
583 photo	2.38	LC.	34
667	3.3	Hunter	7 Ref.
667	2.3	LC.	3
667	2.4	M.A.H.	3
680 photo	2.23	LC.	34
687 photo	2.28	LC	34
7	2.2	Gould	7
7	2.1	Bancroft	7
747	2.4	Meader	7
7	1.1?	Mindt	7 Ref.
8	2.1	DBP.	7

13) $\frac{379}{2.27}$

30

21765-

June 20

21765

June 20

544	photo	2.17	RC	34
604	N = 2 egg.	2.3	O'Hare	2
6		2.1	Barnett	1
563	photo	2.32	RC	34
573		2.45	block	3
590		2.4	ewald	3
6		2.3	eggs	2.67
601	photo	2.35	RC	34
606	1 egg 0.48 April	2.35	CC.	3
635		2.3	vann	3
660	8 eggs 7.8 April	2.45	J. E. Woods	3
6		2.5	Whitaker	8.7
7		2.5	RC	34
800	photo	2.46		
6		2.3	Bouton	1
806	1 off 3 Nov 3 Nov May 4, 48 April	2.7	CC.	3
722		2.5	Mealer	1
597		2.6	Barnard	2
6		2.3	Soulet	1
7		1.4 ?	Mundt	1 Reg
736		2.7	Barnard	2
6	appears as 3rd	2.0	Knorr	2

21 | 79.2
2.38

June 21.

736

26

meatier

>

26

June 22

June 2, 1918

21767

15:30	646	Nova 3 of April	2.5	ll.	(3)
6			$3.0 \pm$	Known	2
7			2.9	Vrooman	7
159			2.8	Meates	7

$$\begin{array}{r} 4 \overline{) 32} \\ 2.80 \end{array}$$

June 23 - 1914

21768

6	2.5	Barnard	>
604	3.0	meates	>
625 = β Cyg.	3.1	O'Hare	2
774	3.1	meates	>
833	3.2	Barnard	2

$$\begin{array}{r} 57 \overline{) 49} \\ 298 \end{array}$$

June 24

pdr.

July 25

at

pdr.

June 24.

21769

560	photo	2.68	RC	34
562		2.5	E. E. Wacker	3
565	RC 312 Sagitt.	2.6	RC.	3
572		3.0	M. A. H.	3
590		2.9	W. H. P.	2
582	photo	2.72	RC.	34
6		2.5	Whitehorn	67
6		2.8	Olcott	67
625		2.75	J. E. Woods	3
625		2.9	D. W. Block	3
628	Sagitt. ON.	2.8	RC.	3
625	N = Sagitt.	3.0	O'Hare	2
639		3.1	W. H. Rensden	2
594	Sagitt.	2.9	Coit, J. B.	2
7		2.6	Gould	7
7		3.0	Bouton	7
569		3.2	D. W. Hauer	3
8		3.1	D. W. P.	7

17/1388-
281

June 25-1918.

583	No Sagitt	30	Offere	2
549	photon	2.79	BE.	34
594		2.9	LC.	3
594		2.9	Macdonald, R.B.	3
562		2.95	Hauer M.A.	3
562		2.95	Switzer	3
562		2.9	Walter E.L.	2
572		3.4	Barnard	34
605	photon	2.97	AC.	34
613	photon	2.96	LC.	3
625	(2.8) 2, 4 (3.4)	3.0	LC.	3
625	(2.8) 2, 4 (3.4)	3.0	Macdonald	3
646		3.0	Walter E.L.	3
618		2.9	J. Woods	3
	= Sagitt	3.0	W.H.P.	2
604		3.2	W.H. Randon Mos	2
6		2.9	Bouton	7
701		3.2	Barnard	2
7		2.9	Mundt	7

18 | 1.767
 298

June 26, 1917

21771

540	photo	3.2.3	LC	34
553	photo	3.3.2	LC	34
566		3.4	EE Walker	3
572	photo	3.3.4	LC	34
583	(28) 5.0 (3.4)	3.3.5	LC	3
583	N = 7 & 8 Sep	3.8.4	Offare	2
590		3.6	Barnard	2
590	photo	20 3.7.8	LC	34
6		3.2	Gould	7
597	photo	3.2.8	LC	34
6		3.2	Ingham	7
6		3.5	Whitcomb	67
6		3.5	Wcott	67
615		3.7	Barnard	2
6		3.3	Boulton	7
615		3.7	Barnard	2
7		3.4	Barnard	7
701		3.9	Barnard	2
612		3.2	Peltier	7
611	1st & 2nd April	3.4	Coit	2

18 | 68.4
3.38

June 27

21772

59)	388 δ and	3.6	Coit.	2
	$N < 11 \text{ sec}$			
~~604~~	~~$N = 8 \text{ sec}$~~	~~3.5~~	~~O'Hara~~	~~2~~
.6		3.8	Whitcher	67
6		3.6	Bancroft	7
~~604~~	~~$N = 8 \text{ sec}$~~	~~4.0~~	Woocher	72
~~646~~	~~$N = 7 \text{ sec}$~~	~~3.5~~	O'Hara	7
7		3.9	Francis	7
7		3.9	Woolf	7
7		3.9	Dr. B.	7

$$\frac{8}{62} = 3.78$$

June 28, 1918.

645-	3.6	Barnard	2
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760	3.8	Meade	7
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781	3.8	Barnard	2
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$$\begin{array}{r} 3 \overline{) 22} \\ \underline{373} \end{array}$$

0 11

2774

June 29, 1918.

569	37	M.A. Hauer	3
572 photo	366	RC	43
586 photo	381	RC	43
599 photo	378	RC	43
.615 (34) 4N2 (4.1)	385	RC	3
.615 (34) 5N2 (4.1)	390	R.B. MacDonald	3
.632	37	Ernst	3
~~633~~	~~33~~	~~Peltier~~	~~7~~
.698	37	Wach	2

$$\begin{array}{r} 8 \overline{) 61.0} \\ \underline{3.76} \end{array}$$

June 30

6	34	Meeker	7
604	35	Barnard	2
~~615~~	~~35~~	~~Nash~~	~~2~~
604 80g. & 71g.	3.4	Coit	2
604 N = 71g.	3.4	O'Hare	2
615	3.5	Nash	2
633	3.3	Peltier	7
646	37	Barnard	2
~~6~~	~~34~~	~~Meeker~~	~~7~~
7	34	Ed. D. B.	7
122	3.6	Barnard	2

$$9 \overline{) 42} \\ 3.47$$

k o .

July 1

608	3.2	Barnard	2
604 $N=9$ Serp	3.4	O'Hare	2
615	3.5	Mach	2
687	3.1	Barnard	2
~~8~~	~~3.4~~	~~Gould~~	~~7~~
698	3.2	Barnard	2
729	3.3	Barnard	2
764	3.1	Barnard	2
F	3.4	Gould	7

$$\begin{array}{r} 8 \overline{) 22} \\ 3.28 \end{array}$$

July 2

583	N = 78af	3.8	Offare	2
607	phlter	3.28	PC	4
597		3.25	Barnard	2
611	(28) 5 - 1 (34)	3.3	PC	
615		3.0	M.A. Hawes	3
615		3.4	Nach	2
619	phlter	3.12	PC	4
604	dag. 8/8/8af	3.24	Barnard	2
604	dag. 8/8/8af	3.2	Coit	2
626	phlter	3.12	PC	4
632	(28) 5, 2 (34)	3.2	PC	3
625		3.2	Francis	7

733

3.32

Barnard

2

13 | 303
 323

July 3

24778

545 phtr	2.94	PC	43
555 phtr	3.02	LC.	43
565 phtr	2.94	PC	43
569	3.1	Edwalder	3
569 (28) 2, 4 (34)	3.0	PC	3
~~639 (28) 2, 3 (34)~~	~~3.05~~	~~PC.~~	~~3~~
~~625~~	~~3.0~~	~~Murphy~~	~~3~~
~~656~~	~~3.25~~	~~J. Edwalder~~	~~3~~
~~625~~	~~3.2~~	~~Francis~~	~~7~~
~~604~~	~~3.3~~	~~Reardon~~	~~7~~
573	3.1	M.A. Hauer	3
576 regular 2, 3	3.1	Coit	2
583 N = 750	3.4	O'Hare	2
604	3.3	Reardon	7
611	3.5	Wach	2
625	3.02	Wach	3
639 (28) 2, 3 (34)	3.2	Wach	3
656	3.27	Wach	3
698	3.9	Barnard	2 then close
708	3.9	Barnard	2 then close

16 | 37
 323

July 4

71779

583	2.9	Coit	2	
594	3.0	Jewels	3	
611 (28) 1N5-34	2.9	29 R.	3	thin breaks in clouds
~~583~~	~~2.9~~	~~Coit~~	~~2~~	
639 (28) 1N5-34	2.9	29 R.	3	thin breaks in clouds
687	3.2	Reardon	7	

5 | 49
298

July 5-

590	3.4	Barnard	2
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691	3.4	Barnard	2
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736	3.4	Barnard	2
-----	-----	---------	---

$$\begin{array}{r} 3 \overline{) 12} \\ \underline{3.40} \end{array}$$

July 6

615

3.6

Mach

2

July 7.

604 (28) 5, 2 (34)	3.3	PC.	3	thin gaps in clouds
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625	3.5	Francis.	7	
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625 (28) 6, 0 (34) 2 (36)	3.4	PC.	3	
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632 (34) 1, 1 (36)	3.5	PC.	3	
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646 Pagnon sep	3.4	Coit	2	
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646	3.4	Barward	27	
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6	25
	342

July 5 - 1918

547 pheta	3.34	RC	4
556 pheta	3.40	RC	4
562	3.3	Eewalchen	3
585 (3.4) 2.5 (4.1)	3.6	R.B. Macdonald	3
585 (3.4) 1.1 (3.6)	3.5	RC	3
597	3.6	Barnard	2
604	3.3	M.A. Haurer	3
604	3.2	D.W. Haurer	3
625	3.6	Nach	2
~~644~~	~~3.4~~	~~Barnard~~	~~2~~
660	3.7	Reardon	1
698	3.7	Barnard	2

$$\begin{array}{r} 11 \overline{) 524} \\ \underline{348} \end{array}$$

July 9. - 1918.

562	3.4	M. A. Hauer	3
562	3.5	E. Walker	3
573	3.4	E. Walker	3
618	3.9	Barnard	2
719	3.8	Barnard	2

5 | 30
 760

July 10-1902

20785

568		3.7	M.A. Hauer	3
568		3.8	Bur Hauer	3
597	(34) 4, 3 (40)	3.8	LC	3
604		3.8	Mach	2
604	(3.4) 5, 2 (4.1)	3.9	Macdonald	3
610	ph tur	3.83	LC	4
618		4.0	Barnard	2
637	ph tur	3.78	LC	4
660		3.8	Reardon	57

$$\begin{array}{r} 9 \overline{) 741} \\ 3.82 \end{array}$$

July 11-1918.

618	40	Barnard	2
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625	38	Reardon	7
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625	41	Barnard	2
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743	41	Barnard	2
-----	----	---------	---

3	0
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4.00

July 12-1918.

549 phin	3.92	LC	4.
590	4.2	~~LC~~ Barnard	2
594	2.9	MAH.	3
596	3.9	SW.H.	3
619 $N_1 > (41)$	4.0	LC	3
619 $N = (41)$	4.1	R.B. Macdonald	3
~~625~~	~~3.9~~	~~Reardon~~	~~7~~
~~604 615~~	~~4.1~~	~~Wach~~	~~2~~
625	2.9	Reardon	7
647 phin	3.94	LC	4.

722	4.1	Barnard	2
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$$\begin{array}{r} 10 \overline{) 6} \\ 4.06 \end{array}$$

July 13-1918

694

3.8

Barnard

2

712

3.8

Barnard

2

$$\begin{array}{r} 2 \overline{) 16} \\ 38 \end{array}$$

July 14 - 1918

549	pltn	3.46	PD	4
554	pltn	3.44	Le	4
~~625~~	~~(3.4) 1, 5 (4.1)~~	~~3.55~~	~~Le~~	~~3~~
569		3.4	M.A.H.	3
~~625~~		~~3.4~~	~~R.B. Macdonald~~	~~3~~
615		3.7	Mac	2
625	(3.4) 1, 5 (4.1)	3.6	Le	3
625		3.4	R.B. Macdonald	3

$$\begin{array}{r} 6 \overline{) 335} \\ \underline{356} \end{array}$$

July 15.

580	3.4	RE	3
580	3.6	MAT.	3
580	3.5	Dwt.	3
583	3.5	RBM MacDonald	3

653	3.5	RE	3
653	3.7	MAT.	3

6	32
	3.53

July 16.

558	photo	3.54	PC	4
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560	³⁴ ~~32~~ 2.5 (4.1)	3.6	PC	3
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594		3.7	Barnard	2	clde about
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797		3.6	Barnard	2	alt. low
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$$\begin{array}{r} 4 \overline{) 244} \\ \underline{361} \end{array}$$

July 189

687

3.7

Barnard

2

698

3.5

Barnard

2

$$\begin{array}{r} 2 \overline{) 12} \\ 36 \end{array}$$

21793

July 18

550	Altun	3.58	RC	4
573		3.6	D.W.H.	3
625	(34) 2, 4(41)	3.57	RC	3
750	Sept 11 11:20 p.m.	3.41	Brush J.W.	2 ^{under 11:20 p.m.}
635		3.7	N.A.H.	3
687		4.0	Barnard	2
750		3.4	Brush	2
757		4.0	Barnard	2
799		3.7	Barnard	2

$$\begin{array}{r} 71528 \\ 375 \end{array}$$

July 19, 1918

558	photo	3.76	RC	4
578	photo	3.76	RC	4
610	(30) 4, 3 (41)	3.8	RC	3

$$\begin{array}{r}
 3 \overline{) 232} \\
 \underline{977} \\
 6 \overline{) 154.9} \\
 \underline{33.8}
 \end{array}$$

July 20, 1918

542	photo	4.07	RC.	4
547	photo	4.04	RC.	4
597	410 Nova	4.1	RC.	3
632		4.2	MAH.	3

July 21-1918

.582 phitun

4.22

RC

4

.639

4.3

MAH.

3

July 22 - 1918.

597	photo	4.22	L.C.	4
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July 23 - 1918.

559

1844

M. A. Hauer

3

July 24

100

July 25-

July 26

551	photo	3.54	LC.	4
566	photo	3.70	LC.	4
575	(3.4)4, 3(4.1)	3.8	LC.	3
583		3.9	M.A.H.	3
597		3.8	M.A.H.	3
618		3.9	R.B. MacDonald	3
618		3.8	LC	3

$$\begin{array}{r} 3 \overline{) 54.4} \\ 3.78 \end{array}$$

July 27

July 28

July 29.

1918phae, proj. 1246.