KG
11366
213

1926phae.proj.1215w

Ida E. Woods
Book No. 37
MC & MF Plates
Miscellaneous Milky Way Regions

| | | | |
|---|---|---|---|
| [illegible] | 15.0 | -48 |
| 30 | 15 35 | -44 |
| [illegible] | 17 56 | -20 |
| 72 | 18 24 | -23 |
| 100 | 18 9 | -30 |

| | | | |
|---|---|---|---|
| ~~54~~ | ~~17 56~~ | ~~-20~~ |
| 170 | 8 8 | -22 |
| 186 | 7 9 | -13 |
| 192 | 18 11 | -13 |
| [illegible] | 8 21 | -28 |

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KB 113661213

Entered V (against superposed plate = all objects entered on Original plate and given number (except asteroids)

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Harvard College Observatory

Ida E. Woods

Book No. 37.

Examination of Miscellaneous
Milky Way Regions

See Index

Continued from Book 36.

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Tuesday, April 20, 1926.

Milky Way Regim $15^h 00^m - 48^\circ$

| | Available MF Plates | | Exp. |
|---|---|---|---|
| 14 | MF 8481 | April 24, 1924 | $90^m$ |
| page 12 | 8525 | May 3, 1924 | 60 |
| 16 | 8665 | June 27, 1924. | 60 |
| | (8725 | N.G. Not received | |
| Comp. Pl. | 9534 | July 16, 1925 | 45 |

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Limits: $14^h 26^m$ to $15^h 25^m$, $-43.5°$ to $-53°$

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Regin 15 00 -48

April 20 MF 8525 Page 12
9534
9534 superposed

April 20 MF 8481 Page 14
9534
8481
~~9534~~ superposed

8481 is quite black – more difficult

April 21 MF 8665 page 16
9534
9534 superposed

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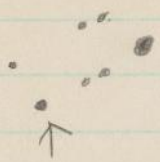
1926phae.proj.1215V



April 20 No. 1
on MF Plates

Regim $15^h 00^m -48°$

Gord range
14 41 – 44.6



Bi. 8525
8481

NS 9534
Seen Ft. 8665

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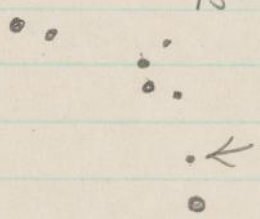
Fh. star at Max

No. 2

15 [illegible].0 -50.5

April 20
MT

Does not look like defect.



Br. 9534

N.S 8525
8481
8665

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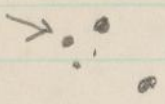


Regin 15 00 −48

No. 3

April 20

MF pl.



Large range

14 43.5 47.2

Br. 8481
8665
* 8525

Fr. 9534

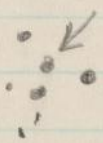
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1926phae.proj.1215V



Bright star, large range
Must be known Var.

No. 4
April 20
MF je




14 46.5 - 46.2

two stars? which is var.?

Br. 9534
* 8665

Ft. 8481
8525 see 2 stars
well separated

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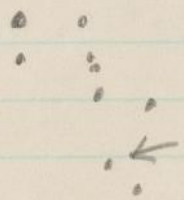
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Regim 15 00-48

No. 5 14 58 -43.7

April 21
MF Plates



Br. 8665 Ft. 9534
8481
8525

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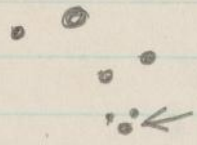


No. 6.

15 8.2 -43.9

April 21

M+Plates



Br 9534

Ft 8665

8481 Medium

8525

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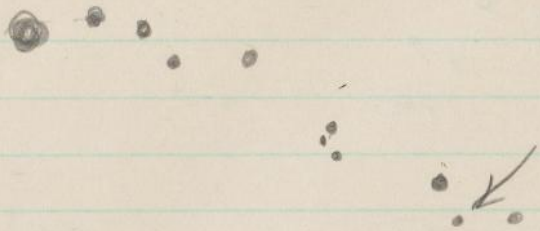
1926phae.proj.1215W



Regim 15 00-48

No. 7

15 2.0 -48,5



Bi. 8665

Ft 9534
8481
8525

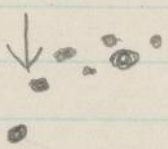
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Nv. 8

14 37 -49.5



Bu. 9534
8481
8525

H 8665.

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Thursday, April 22, 1926

Milky Way Regions 15 35-44

| | Available Plates | | Exp. | |
|---|---|---|---|---|
| — | MF 8496 | April 26, 1924 | 90m | |
| Comp. Pl. 45 | 8543 | May 6, 1924 | 60 | Vars. marked |
| f.36. 34 | 8660 | June 26, 1924 | 60 | |
| | 8718 | July 24, 1924 | 60 | |
| | 9599 | July 27, 1925 | 45m | |

All these plates have more or less elongated images.

See 8496 to use with late plates

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| | | | | Eff. |
|---|---|---|---|---|
| a | 7438 | 15 | 49 -42.8 | 5 m |
| | 8743 | 15 | 20 -45.0 | 11 |

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Limits $15^h\ 8^m$ to $16^h\ 00^m$, $-39.5°$ to $49.0°$

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April 22, 1926 Eclam 8543 page 36
8718
8543 superposed.

April 23 Eclam 8543 page 45
8660
8543 superposed

April 23 Eclam 8543
9599
8543 superposed
No more objects found

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Regim 15 35 -44.

April 22 No. 1
MF Pl

15 32 -40.1 good range

Br. 8718
* 8660

Veyft 8543
8496
9599

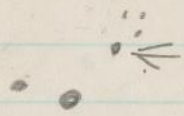
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No. 2
Apr. 22
M7 Pl

15 48 −40.6



B. 8718
8660
9599

N S 8543
8496

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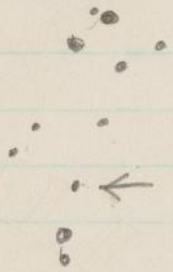


MW Region 15 35 -44

15 48 -41.2

No. 3

April 22
MF Pl



Br. 8543
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NS 8718
8660
9599

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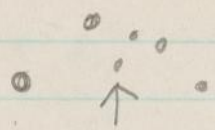
1926phae.proj.1215v



15 50.5 -40.6

No. 4

April 22
M7 Pl



Bl. 8543
8496

Tl 8718
8660
9599

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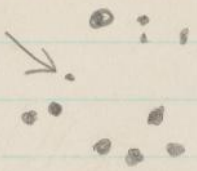


Regina 15 35 −44

No. 5

15 22.0 −42.0

April 22
MT Pl



Br. 8543
8496
8660

Vuyft 8718
9599

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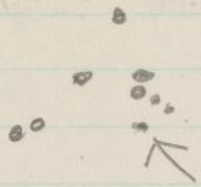
1926phae.proj.1213v



No. 6

15 41.5 -42.6

April 22
MFPl



Bn. 8543
8660

It 8718
8496
9599

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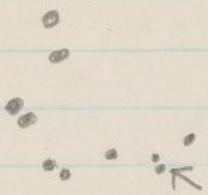
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Regim 15 35 -44
No 7

15 ~~49~~ 41 -42.8

April 22
MF Pl



Defect?

Br. 8543
8L

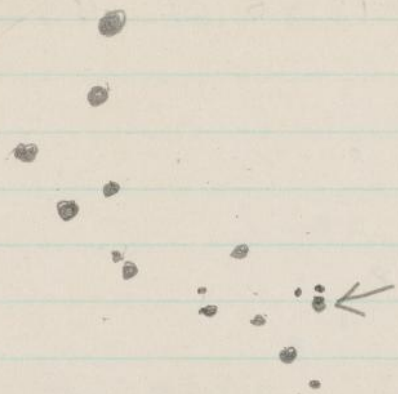
Ft. 8718
8496
8660
9599

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M. 8
April 22
MF Pl



Very Large range
15 17 -44.0

~~8543~~
B1, 8718
8660

~~FH~~ 8543
8496
9599

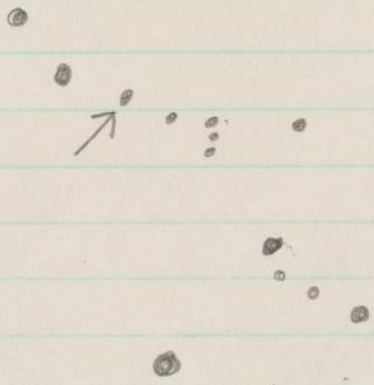
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1926phae.proj.1215W



No. 9 15 51.5 −43.5

April 22
MFPl



Br. 8543 Ft. 8718
8496 8660

9599 medium.

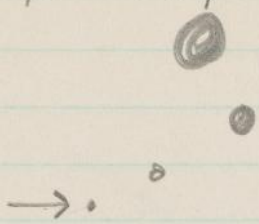
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1926phae.proj.1215V



No. 10 15 29. −44.9 good range

April 23
MF Pl.



Br. 8660

NS ~~8660~~ 8543
8496
Ft, Seen 8718
" " 9599

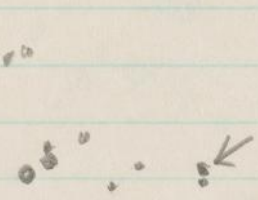
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1926phae.proj.1215W



M. 11 15 45 -47.3

April 23
MFPl,



Br. 8543
8496

Ft. 8660
Probably ft 9599
8718

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Milky Way Region $17^h 5^m$ -19.8

Available Plates:

| | | | Eqf. |
|---|---|---|---|
| f 62 | MF 8528 | May 3, 1924 | 60 |
| Compl | 8668 | June 27, 1924 | 61 |
| | 8728 | N. G. Never rec'd | |
| | 8773 | Aug. 26, 1924 | 60 |
| f 60 | 8786 | Aug. 30, 1924 | 60 |
| | 8787 | Aug. 30, 1924 | 60 |
| f. 60 | 8788 | Sept. ~~8~~ 3 1924 | 60 |
| | 8789 | Sept 4 1924 | 70 |
| | 8790 | Sept 4 1924 | 60 |
| 60 | 8791 | " 4, 1924 | 60 |

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| | | | | |
|---|---|---|---|---|
| | | | | Eff. |
| a | 2764 | 17 28 | −17 | 60 |
| | 6808 | 17 ~~28~~ | −~~18~~ | ~~240~~ |
| | 9275 | 17 37 | −15 | 60 |
| | 2808 | 17 50 | −22.5 | 10 |
| | 4555 | 17 57 | −22.5 | 90 (8×10) |
| | 8502 | | | 10 |
| | 9636 | | | |
| | 7364 | 17 47 | −22.5 | 60 |
| | 1835 | | | |
| | 4612 | 17 51 | −22.4 | 90 |

many a pl. long eff.

| | | | | | |
|---|---|---|---|---|---|
| 1846 | 18 4 | −22.5 | 54 | Expellent plate (25) | |
| 7327 | 18 7 | −22.5 | 60 | Slims ft. stars. | |
| 7359 | 18 7 | −225 | 60 | | |
| 9397 | 17 58 | −20.1 | 60 | | |
| 4495 | 18 2 | −22.5 | 90 | | |
| 10172 | 18 10 | −18.5 | 120 | | |

| | | | |
|---|---|---|---|
| 10770 | 17 9 | −14.8 | 122 |
| 9275 | 17 37 | −14.9 | 60 |
| 9636 | 17 40 | −25.0 | 60 |
| 10596 | 17 11 | −15.0 | 109 |
| 7924 | 17 17 | −15 | 10 |

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Limits $17^h\ 36^m$ to $18^h\ 14^m$, $-14°$ to $-24°$

List of Vars. not made. Only 5 vars found — these were looked up separately.

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Regin 17 56 - 19.8

April 24, 1926 MF 8528 λ.62
8668
8668 superposed

April 27, 1926 8786
MF 8791
8786 superposed.
No new objects

April 29, 1926 MF 8668
8788
8788 superposed
Ultra blacks -
Difficult for comparing.
No objects!

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1926phae.proj.1213v



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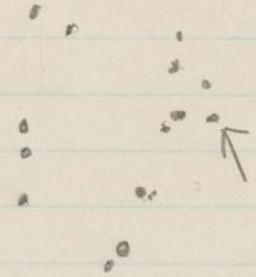


Regin 17 56 -20
No. 1

17 37 -16.1 (1855)
~~faint star~~
near pl.

April 24
on MFPl.

New Var.



Prof A 9275-2764 meas.

Br 8528
8788
8787
* 8789
8790
8791
8773
8786

Ft 8668

very ff * A 2764

Short period?

Confirmed by
Miss Cannon
May 26, 1926

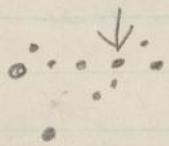
Very br A 9275

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1926phae.proj..1215V



No. 2
April 24
in MF Rl.



17 44.5 −21.8 (1855)
2.7 +13′
17 47.2 −21 35 1900.

B. 8528

NS 8668
8788
8787
8789
8790
8791
8773
8786

√ Do this
17 47.1 −21 45 (1900) N Z Sag. Leavitt
12.2 −14.7

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1926phae.proj.1215W

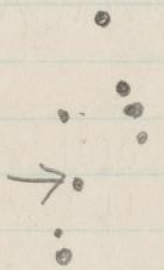


Regin 17 56 -20

17 43 -23.1 (1855)
Large range

No. 3
New Var

April 27
MT Pl



Meas 7364

Br. 8668
Sern A 7364

Very ff 8528
8788
8787
8790
8791
8773
8786
* n.s. A 9636
** A 4612

Confirmed by
Miss Cannon
May 26, 1926

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1926phae.proj.1215w



No. 4 Nov Van. 17 54 -23.8 (1900)

April 24
MT Rl



? —

Br. 8668
8788
8789
Meas 4612 8790
8791

Ft * 8528
8787
8773
8786 Ft or Br.?
Ft a 4612

Confirmed by
Miss Cannon,
May 29, 1926.

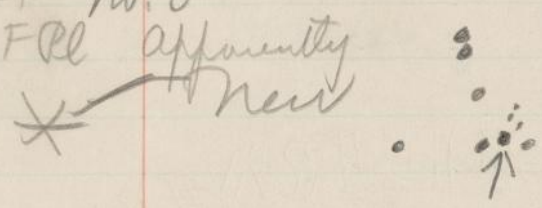
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1926phae.proj.1215W



What is this object? ~~Apparently~~ Not ~~moving~~ trailed
M.S. on nearby dates.

Regim 17 56 -20 18 10 -21.9 (1855)
Apr. 24 No. 5 ~~very large range~~
on MFRL apparently Not Var.
~~Next~~



Br. 8528 May 3, 1924 No trace ? 8668
8787
No apl. 8519 May 2 Regim 1824-23 8789
8790
Moving Object 8791
8773
Motion prec. & S would be ff 8786
next plates 1824-23 = 8638 June 12 8788
1756-20 8668 June 27 B 46950
Not ~~18 10.7 -21 36~~ Berlin a 4495 (8 x 10)
a 1846
a 7327
shows very ff. stars. May be trace
a 7359
a 9397
a ~~*~~ 488 18 -30
April 29, 1924
572 May 29
520 May 8 (120 m exp)
566 May 28

MF 8638 June 12
not found near

*Assuming intervals even, etc
(47) Fortuna 1924 Eph. May 2 would be
about 18 28 -21.9
and Motion = prec. & North

(347) Pariana:
May 2 would be
about 18 40 -20.0
Motion = prec. & South

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1926phae.proj..121W



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Note: edge straight, between dark & light, North, prec. corner

Milky Way Region 18 24 −23.3

Available Plates:

| | | | Eff. | |
|---|---|---|---|---|
| Excellent pl. MF 8519 | May 2, 1924 | 60 | | 23908.862 |
| 38-155 | 8638 | June 12 1924 | 60 | 3949.830 |
| | (8756 | N.G. Not received | | |
| 2 eff. | 8759 | Aug. 21, 1924 | 80 | 4019.625 |
| Bk. 38 | 8766 | Aug. 23, " | 60 | 4021.574 |
| p. 152 | 8770 | Aug. 25, " | 60 | 4023.590 |
| | (8795 | N.G. Not received | | |
| | (8796 | N.G. " " | | |
| | (8801 | N.G. " " | | |
| Bk. 37 | 9550 | July 20, 1925 | 45 | 4352.694 |
| p. 90 | 9565 | July 21, " | 45 | 4353.663 |
| Bk. 40 | 9589 | July 23, " | 45 | 4355.669 |
| p. 185 | 9597 | July 25, " | 45 | 24357.669 |
| Double images | 9656 | August 8, " | 45 | 4371.610 |
| | 9663 | " 10, " | 45 | 4373.620 |
| p. 78 | 9672 | " 11, " | 55 | 4374.588 |
| | 9684 | " 13, " | 45 | 4876.600 |
| | 9691 | " 14, " | 45 | 4377.602 |
| | (9713 | N.G. Not received | | |
| Reserved? | (9722 | | | |
| at Arequipa | 9740 | Sept. 5, 1925 | 45 | 4399.525 |
| | 9747 | " 7, " | 45 | 4401.542 |
| | 9759 | " 8, " | 45 | 4402.554 |
| Bk. 40, p. 185 | 9769 | " 9, " | 45 | 4403.550 |
| | 9779 | " 10, " | 45 | 4404.544 |
| | 9784 | " 11, " | 45 | 4405.536 |
| Comp. pl. | 9793 | " 12, " | 45 | 4406.567 |

MF 10705, 10722, 723, 724 several diffs each, for Eros short eff. not valuable for ff. stars?

21

10709, 723, 724 } Eros region with St. Reg. Eff. $10^2$

No later plates See Bk 46, 12

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See also earlier M F plates — taken for NGC 6656 etc

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1926phae.proj.1215w



Limits :- 18 2 to 18 43, -18.6 to -28.1

In Prager Known Variables, Card Cat.

| | | | | | | |
|---|---|---|---|---|---|---|
| ✓ | 18 2.0 | -22 14 | V X Sag. | Leavitt | -22 4575 | |
| | 2.3 | -22 57 | – Sag. | Leavitt | | |
| ✓ | 2.4 | -23 5 | a W Sag | " | | |
| ✓ | 2.6 | -18 34 | a X Sag | Cannon | -18 4799 | |
| ✓ | 4.8 | -23 42 | S Y Sag | Cannon | -23 14026 | |
| ✓ | 6.1 | -20 43 | V Y Sag. | Leavitt | | |
| ✓ | 7.0 | -23 8 | a P Sag | Cannon | -23 14072 | |
| ✓ | 10.7 | -21 36 | a I Sag. | Breslin | | |
| ✓ | 11.1 | -19 7 | W Z Sag. | Cannon | -19 4945 | |
| ✓ | 13.7 | -25 14 | Nova Sag. 3. | " | | |
| ✓ | 15.5 | -18 54 | Y Sag. | ? | -18 4926 | |
| ✓ | 16.0 | -25 17 | X Z Sag. | Cannon | -25 13054 | |
| ✓ | 16.8 | -27 28 | W W Sag. | Leavitt | | |
| Innes No. 1 | ~~17.1~~ | ~~-33 26~~ | out of limits | Innes | | |
| ✓ | 17.4 | -18 37 | a Y Sag. | Leavitt | | |
| | ~~17.8~~ | ~~-30 39~~ | out of limits a Z Sgr. | " | -30 15642 | |
| | 18.4 | -24 55 | 9 Vars. | N G C 6626 | | |
| 4a ✓ | 20.6 | -27 10 | B S Sgr | Innes Cannon | | |
| 7 | 21.1 | -27 13 | | Innes | | |
| 8. | 21.8 | -27 43 | | Innes | | |
| ✓ | 26.0 | -19 12 | U Sag. | | -19 5047 | |
| Innes No 25 | 28.2 | -26 59 | | Innes | Nova ? | |
| | 30.3 | -23 59 | | N G C 6656 | | |
| No 37 | 30.9 | -27 47 | | Innes | | |
| | 31.6 | -24 36 | B J Sgr | ? | | |
| – ✓ | 33.6 | -22 46 | D V Sgr. | Cannon | -22 13185 | |

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1926phae.proj.12159



| | | | | |
|---|---|---|---|---|
| No. 47 | 18 34.9 | -28 9 | Innes | "Omit" (?) |
| 149 | 36.5 | -25 22 | Innes | |
| | Close to -25° 6590 | | | |
| 58 | 38.0 | -28 14 | Innes | |
| 152 | 38.6 | -27 22 | Innes | |
| ✓ | 38.7 | -19 30 YY Sgr | Cannon | 8.8-9.7 |
| | | -19° 5148 | | |
| 60 | 38.7 | -27 45 | Innes | |

Additional from Prager

(1875)

| | | | |
|---|---|---|---|
| FM Sgr | 18 9 41 | -23 40.7 | |
| BB Sgr | 18 42 24 (1855) | -20 27.5 (beyond limit?) | |
| N | 18 45.1 | -20 24 | 1900 |

18 38 58 -24 57 Luyten

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1926phae.proj.1215V



Br. Cluster in field = 18 30 -24.0

M#8638 Meteor trail, south central part of plate. Rather short but strong.
✓ {Seen by Dr. Fisher
{Recorded " "

Bright Asteroid 18 41 -21.0 (1900)
m a 7340

Nebula in field,
see Bk. 40, page

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1926phae.proj..1215w

Long Exposure B plates, see Bk. 40, page 7 77

18x14 A Plates of Adjacent regions

| | | | | | Exp. |
|---|---|---|---|---|---|
| 40-24 | a | 1837 | 18 26 | -23 | 60 m |
| | | 2605 | 18 10 | -27 | 60 |
| | | 2656 | 18 6 | -18 | 62 |
| 38-180 | | 2736 | 18 51 | -28 | 60 |
| | | 2757 | 18 28 | -18 | |
| | | ~~7332~~ | ~~18 7~~ | ~~-23~~ | |
| | | 6124 | 18 52 | -27.8 | |
| | | 6790 | 18 13 | -17 | |
| 40-11<br>38-167<br>38-172<br>40-24 | | 7332<br>7340 | 18 7<br>18 27 | -23<br>-22 | 60 |
| | | 8447 | 18 18 | -20 | |
| | | 8924 | 18 10 | -15 | |
| 38-180 | | 8986 | 18 51 | -28 | |
| | | 9370 | 18 21 | -25 | |
| p.80 | | 9376 | 18 39 | -25 | |
| | | 9393 | 18 17 | -20 | 60 |
| | | 9409 | 18 18 | -15 | 60 |
| 40-12 | | 9566 | 18 37 | -20 | 62 |
| 38-167<br>40-12 | | 9759 | 18 38 | -20 | 60 |
| | | 10172 | 18 10 | -18 | 120 |
| | | 10750 | 19 0 | -30 | 60 |

Additional A plates, see Bk 40, page 6

8x10 a Plates

| | | | | | |
|---|---|---|---|---|---|
| 38-163<br>38-172<br>40-11 | a | 3699 | 18 19 | -25 | 45 |
| | | 4379 | 18 17 | -23 | 60 |
| | | 4399 | 18 16 | -22 | 90 |
| | | 4422 | 18 12 | -22 | 90 |
| | | 4380 | 18 17 | -23 | 120 |
| 38-163 | | 11688 | 18 15 | -25 | 60 |
| | | 11895 | 18 30 | -24 | 60 |

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1926phae.proj.1215V



Milky Way Region 18 24 -23.3

April 29, 30, Exam. MF 8519 page 82
9793
8519 superposed
Vars numbered on 9793

June 28, 1926 Exam. MF 9550 ~~July~~ page 90
9793
9793 superposed

June 29, 1926 Exam 8766 Bk. 38, p. 152
9793
9793 superposed

June 29. Exam. 9672 ———
9793
9793 superposed
No objects

June 30 Exam. 8638 Bk. 38, p. 155
9793
9793 superposed

June 30 Exam. B 32014 Bk. 38, page 156 Plot ✓
(18 26 -18) ~~33980~~ 34009 Limits
32014 superposed 18h 6 to 18 45
-12.5 to -22.5
(1855)
Plates not comparable in Northern portion

June 30 Exam. B 28231 ———
25523
excellent images but 25523 has
trails with secondary images — not compared

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1926phae.proj.12150



Limits of 5245 = 18 0 to 18 42, −19.5 to −30.2
Entire plate not exam.

June 30 B 5245 18 22 −25 Bh. 38, f. 158
32309 18 5 −22
5245 superposed abnt ⅔ of regim in common

B 25746 18 26 −22 Bh. 38, f. 156
28156 18 29 −22 Limits 18 8 to 18 50
28156 superposed −17.5 to 27.0

July 1, 1926 A 4380 18 17 −23 ~~Bh. 38, f. 163~~
4399
would be compared but both are quite black. A 4422, which partially overlaps these, was superposed on each plate. (Not carefully studied) (not included in comp.)
No objects found — except pris. Comp.
Plates not at all comp. in faint stars

July 1 A 3699 18 19 −25 Bh. 38, f. 163
11688
11688 superposed

July 2 A 7340 18 27 −22.5 Bh. 38, f. 167
9759 18 38 −20.0 Limits of reg. in common = 18 26 to 46 m
9759 superposed (1900) −19.5 to −23
Only a portion of each regim in common. Variable will not be found of small range because images differ so much — corner of one plate on center of the other.

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1926phae.proj.1215w



1926 Regin 18 24 – 23 Bb. 38, p. 172

July 2 a 3699 8×10 Portion superposed — limits =
7340 18 10 to 18 28
−23.3 to −26.5
3699 superposed

July 17) a 2736 (18 51 −27.6) Limits 18 36 to 19 6
19) 8986 Bb. 38 page 180 −25 to −30
8986 superposed

Comp B16826 (25 min) incl

July 19 B 32076 Bb. 38 page 210
33776 18 50 −27 Limits 18 28 to 19 12
33776 superposed −22 to −32

July 21 a ~~4422~~ 4379 Bb. 40, p. 11 about 12 (900)
8×10 Limits 18 ~~24~~ to 18 28
a 7332 ~~4422~~ 4379 14×17 −21 to −26

Regin in common, see limits.
Images hardly comparable — 4379 shows faintest stars

July 22 a 9759 Limits 18 24 to 18 56
24 9566 Bb. 40, p. 12 −18 to −23
9566 superposed

July 28 a 9376
11895
11895 superposed.
Hardly comparable. 11895 excellent for no objects ft. stars

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1926phae.proj.121SW



1926

Limits

A ~~7340~~ 7494 18 34 to 19h 6m, 19.5 - 25.2

August 5, 6 — 2842, 18.8 - 22, Bk 40, p. 134

7494 superposed

~~7340~~

July 24, 27 — A 1837, 18.4 - 22, Bk. 40, p. 24

7340

1837 superposed

August 3, 4 — 2752, 185 - 27, Bk. 40, p. 72

8370

8370 superposed

July 28, 29 — 6124, 188 - 27, Bk. 40, p. 47

~~8986~~ 6124

~~8986~~ superposed

July 30 — B 28185, 18 50 - 22, Bk. 40, p. 58

very dark, stormy

30572

28185 superposed

Aug. 3 — B 26257, 18.8 - 27, Bk 40, p. 67

32076

26257 superposed

In much of the regions plates are hardly comparable.

A brief survey made

Sept 8 — A 4804, 18 8 - 32, Beginning common, Bk 40, p. 172

7737

etc. A plates

exam. beyond

1818 see Bk. 40, page 170

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1926phae.proj.1215w

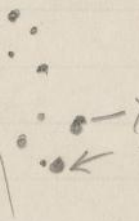


Position measured, Bb. 39, page 35.

Region 18 24 −23

No. 1 18 34 −23.0 (1900) New Var.

April 30, 1926
MFH.



Found independently on B plates, Bb. 38, p. 163 Obj. 32.

Br = brighter than X

MF
Br. 8519
Br. on B 13539 (1895)

No 1 Var. ?
Not Rumm
see Cannon Var marked on B 13539

cDm −22° 13185 9.6 −10.8
18 33.6 −22 46.1 Cannon

Br. MF 8636
8759
8766
8770

Confirmed by Miss Cannon, July 15, 1926.

B 17708 (1896)
27184 (1901)
28156 (1901) this is object 32 Aug. 6

measure? —
a 11895
a 9376 use for Proof

Found independently on B plates, No 144 Bb. 40, page 66
B 28185

NS 9793
9565
9550
9589
9656
9597
9663
9672
9684
9691
9740
9747
9759
9769
9779
9784
B 25746 (1900)
a 7340
B 30572

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1926phae.proj.1215w



No. 2 18 30,5 -24.6 (1900) New Var.
⊙ Cluster

April 30
MF



Br. 8519 N.S. 9793

? 18 31,6 -24 36
BT Sgr.

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1926phae.proj.1215W

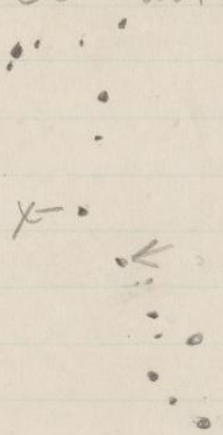
84

Positim measured, Bk. 39, page 23.

Regin 18 24 −23

No. 3 18 36 −22.6 (1900) New Var.

April 30
MF



Good range

Br. ~~—~~ brighter than X
a
See 9376

Found independently on 4 plates, Bk. 40, p. 23, Object 101.

Var. or Defect superposed on this star. Probably 2 stars, see images of MF Plates.

Br. 8519
a 9566
difficult to prsc. the 4th pl. is not very good but seems sufficient proof

Are there 2 stars?

** a 9376

Probably not
See 9376 Meds.

Also see 7340 which looks more like 2 — N.B. single with other stars.
7340 excellent for ft. stars.

Confirmed by Miss Cannon
July 6, 1926

Ft 9793
9550
9747
9691
8759
8770
9589
9565
B28150
MT8638

Very ft., perhaps only 1 star the S one, see a 9759
Same a 7340

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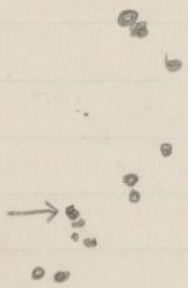
1926phae.proj.1215N



Position measured Bb. 39, page 24.

No. 4 18 39 -24.6

April 30
MF



Br. 8519
Ft. 9793
Langley ✱A 9376 NNS 9672
{Cepheid? 7340 B 28156
MF 9740
Meas a9379 B 33776 9656
found independently 9597
Confirmed by in B plates, No. 77, 8766
Mrs Cannon Bb. 38, page 211 9565
July 6, 1926 9589
8770
8759
9691
9747
Seen ft 9550
B 25746

Found independently, Obj. No. 124, Bb. 40, p. 46
Br A 7340 NSA 1837

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1926phae.proj.1215V

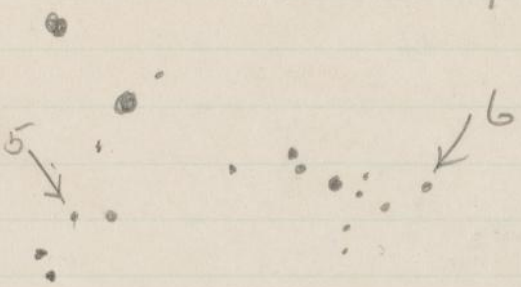


~~a plate~~ Position measured
Bk. 49, f. 80
Regin 18 24 −23
No. 5 18 28 −25.7

Faint star as marked on a 3699 and a
Shows Variation; NS on a 2752
See plot with measured position

New Var?
a 12996
brighter
a Lance
Meas. 12996
Though region very
near extreme S edge

April 30
MF




SS Cygni type?
~~Cepheid~~?
Probably Long Per
See No. 33
Bk. 38, f. 164
?
Meas.:
~~no a plate~~

MF
Br. 8519
B 25746

Elane. more thoroughly
in 1928 to dispose of this Var.
and a 12996 meas.
Confirmed by shining Var.
Mlle Cannon, very ft.
July 7, 1926

13.0 on 8519
<16.5

Tus from
B 32076
3868
39151

Variation proved on a plates
Confirms faint star selected
though images of brighter is
very ft. 12996 − 2752
See note on 6.

NS a Ft 9793
9672
Seen ft. 8638
a 3699 8759
a 9370 8766
a 9376 8770
B 5245 9550
B 28156 9565
30321 9589
28160 9597
Seen ft, if same 9656
Star B 27184 9663
a 9577 9672
a 12996 9684
a 2752 NS 9691
9760
9747
9759
9769
9779
9784

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1926phae.proj.1215V

99 and a8370 in plate? Position measured Bk. 49, f. 81 Nova 1 mags



No. 6 18 26.5 -25.7 New Var?

Two image stars. April 30 MF edge

See page 86

Long Period

Br. 8519
9550
9565
Measure? 9589
~~No a/d~~ 9597
see note, (B 5245
same as page 86)

Confirmed by Miss Cannon, July 7, 1926

137 on 8519
[16.5

a9577 to 9??

ft 9793
9672
Seen ft 8638
a3699 8759
a9370 8766
a9376 8770
9656
9663
9672
9684
9691
9740
9747
9759
9769
9779
9784

between faint "n" and "n. s." which is equal to ft stars, which indicates much faintness than ft stars. This will make diff. values when magns are reduced, probably.

These a plates show ft stars as variation is seen

{ a12996 ft but seen with a3699, proof of variation

ft, seen, a8370
~~N~~ S a2752
12996-2752

Vars.
5 & 6
Fortunately, both are seen on a12996 Measure

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1926phae.proj.1215V

88

Continued
Bk. 40, p. 200

Diagram cover of AX725 mkd also on 488

Follows 4S

Begin 18 24 -23
18 17 -25.7

No. 7

Close to Nova Sag. 3 —
New Var?

Nova 3 see mkd AM 137

April 30
MF

Br. = a little brighter than X

Verified Mrs. S. Miss Cannon. 1924 Nova

X

Longer, or Nova ?

This is apparently ~~not one~~ covers ~~found~~ by abnt 3 very ft stars on 9793.

Which are ?

Positive meas. Bk 39, p. 152

See A 12689 8×10 Sept 15, 1923

MF

Very Br 8519

apparently not a defect

N.S. or MF Very Ft 9793
9672
9759
9747
9740
9691
9684
9672 seen
9663 seen
9656 seen
9597 — seen
9589 — seen ft star
9565 — seen
9550 not

MF 8776
8766
8759
8638
} Not Max

B 1890

5245
25746 (1208)
27408 (1208)
28150
29505
32309

Meas A 9370 if no apl. shows brighter or A 3699

Br. A X 520 but not Max. (May 8)

A 12996 June 11

MF 8519 = May 2, 1924

See A 12996 1924 Bright!

See MF, 8766 shows 2 stars as plotted by the 2 stars just north

Nova is as plotted by the 2 stars just north

disturbed by

this is composed of normal ft stars

Ft stars all A X 645 18 -30 June 28
A X 765 Aug 22 Exp 25m

apparently seen, A 9370
A 11688
A 3699.

2
8×10

To seen on A, etc, plates of 1924, gradually diminishing, April 29 to Sept 18

(Check if these are limiting dates)

A plates of NGC 6626 were 1923 see Bk 40, p. 206

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1926phae.proj..1215V



✓

No. 8 In Cluster 18 30 −24.0 Star ?

April 30
MF

Br. 9793 Fr. 8519

Sec 18 30.3 −23 59 near Cluster N.G.C 6656 = M22

Prof. Bailey's Star 9 HA 38, plate TX

---

~~No. 7~~ Faint star z is mkd on a 1260 (8×10). Is this ~~Obj~~ same star as No. 7?

Yes —

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Regin 18 24 -23

No. 9 Lorbs like defect

June 28
MF Pl

Br. 9550

NS 9793
9597
9589
9565
8766
8759
8638
8519
8770
9656

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1926phae.proj.1215w



Continued, page ~~Might be Nova~~ 5

Bb. 46, f. 18

Started to meas — Bb. 39, page 25

No. 10

June 28

MF Pl

14.0 or 14.5 at Max

See Bb. 39 f 25

Ready to meas. No a

Placed mkd a 8447 plate

18 25 – 20.0 (1900) Near Var.

Good range

Br = about = X

10m plates not show ft stars

MF

Br 9793 Sept 12

9769

9740

9747

9759

9779

9691 Aug 14, 1925 very ft, seen.

Confirmed by Miss Cannon July 3, 1926

MF

Nor NS 9550 MF 2711

9597 4513 10m

9656 4701

8770 6249

9550 7020

8519

8638

Slightly brighter 8759, barely seen

8766

9565

9589

9684

9672

9663

* a 7340 shows ft stars

a 8447 VNS 1907

a 9393 1909

a 2811 1897

X seen apparently V not seen

a 7327 extreme edge NS

7332 NS

7359 NS

a 9566 NS

Eqf.

10m MF 2783 ft stars not seen

10 2594 " " " "

10 2699 " " " "

No a plate for position

Seen by Dr. Shapley — not Nora

Probably long period, not Nora

May 1924 8559 barely trace

Aug 8759 very ft

Aug 8770 very ft

July 1925 9565 NS

" " 9597 NS

Aug " 9672 Trace

" " 9684 barely seen

" " 9691 quite ft

Sept 5 1925 9740 quite ft

9759 " " =

9784 " " =

9793 Brighter

" " = =

" 8 " = 12 " "

no later plates

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1926phae.proj.1215V

92

Position measured, Bk. 39, page 26

Regin 18 24 −23

No. 11

18 37.5 38 − 21.8 (1900)

New Var.

June 28
MF Pl.

Good range

| | MF | | |
|---|---|---|---|
| | Br | 9550 | |
| Normal, | | 9656 | |
| Long period | | 9597 | |
| | * | 9565 | |
| | | 9589 | |
| | | 9663 | |
| Confirmed by | | 9672 | |
| Mrs Cannon | | 9684 not max | |
| July 3, 1926 | | a ~~9759~~ | |
| | | ~~**~~ 9566 | |
| Meas a ~~9759~~ 9566 | | B 135 39 | |

| | | |
|---|---|---|
| | if sure Very ft | 9793 |
| a N S | | 8770 |
| | | 8766 |
| | | 8759 |
| | | 8638 |
| | | 8519 |
| | Sum, ft | 9740 |
| | Sum ft | 9769 |
| | a | 9759 |

Make note of ft

Var is South of ft. but north of bright st.

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1926phae.proj..1215W

Positim meas., Bk. 39, page 28



No. 12 18 36.5 −22.2 (1905) New Var.

June 28
MF Pl

Found independently Bk. 38, p. 170 on 4 plates

Long period

| MF | |
|---|---|
| Br. | 9793 |
| B | 28156 |
| MF | 8519 |
| | 9656 |
| | 9740 |
| a | 7340 |

| MF | |
|---|---|
| H | 9550 |
| | 8766 |
| * | 8759 Defective film |
| | 8770 |
| | 9589 not seen |
| | 9565 |
| | 9597 |
| a | 9759 |

Confirmed by
Miss Cannon
July 6, 1926

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1926phae.proj.1215W



a Nova? Position measured, Bk. 39, p. 29.

Regim 18 24 – 23

No. 13 18 29.5 – 22.2 (1903) New Var.

June 28
M F Cl

a rather ft. star

| | | | | |
|---|---|---|---|---|
| | Br MF 9550 | | NSer Ft MF 9793 | Most 10m B Plates |
| | 9565 | | 8519 | especially if this |
| | 9589 | | 8638 | regim is extreme |
| | 9597 | | 8759 | edge (as 18h 10m) |
| Long period a Nova? | 9656 | | 8766 | would not show |
| Confirmed by | 9684 | faintish | 8770 | stars as faint as |
| Miss Cannon | Aug. 9691 | | 9769 | this at Max. |
| July 3, 1926 | Sept. 9747 | fairly seen, | a 7340 | |
| | 9759 | if seen barely seen | 9376 | |
| ~~No A plate~~ | 9769 | very ft | 9370 | |
| Meas a 7340 | 9779 | " " | B 17708 | |
| see note Bk. 39 p. 29. | 9784 | " " | B 9211 | |
| If the Var. differs slightly | | | 18772 | |
| from this ft. star, it may | Sem Ft B 13536 (1895) | | 19326 | |
| be a nova of 1925 | (edge) | | very ft on B 23753 140m | |

Probably Long period
Cannot know without
more plates available.

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1926phae.proj..1215W

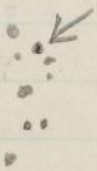


No. 14 as marked = 9550 is a defect.

June 28
M F Pl. Cancel No.

Position measured, Bb. 39, page 10.

No. 14 18 26. -23.8 New Var.
Found June 30 Cat. 8636 Enter No. 14 for this star
on M F plates Good range



Br 9793
*9784
9759
Meas a3699 9747
a3699

Very Ft 8638
9684
9663
Barely seen 9589
8770
Very ft B 5245
** a 7340 perhaps trace

Confirmed by
Miss Cannon
July 6, 1926

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1926phae.proj.1215W



Positim measured, Bk. 39, p. 9.

Regim 1824 -23
1825 -24.2

No. 15

Bxdr Var.

June 28
MF Pl

a ft. star at
Max.

Br 9793
8770
8766
8759
9663 June 7
a 7340 Not Max but perhaps
a little brighter than 7332 June 5

Very ft, trace only
9550
8638
9565
8519
9589
9597
a 9699
a 7332 Not Min
B 8156

7340
Meas a 7332
if none better

Confirmed by
Mrs Cannon,
July 6, 1926

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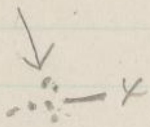
1926phae.proj.1215W



Position measured, Bk. 39, f 8.

No. 16 18 20 − 23.8 New Var.

June 28
MF Pl.



a very ft. star at Max.

Br. = abnt = X

Br. 9793
Seen, not Max 8759
9747
9779
9759
B28156 probably abnt Max
B25746 not Max

N.S. 9550
MF 8519
9565
9656
8638
a 7340 probably one of the very ft. stars
a 7332 same note as above

conf. by Miss C.

(To confirm mark a 3699 meas. if none better)

Confirmed by
Miss Cannon
July 6, 1926

a 3699
MF 9663
9672

B 5245 too far

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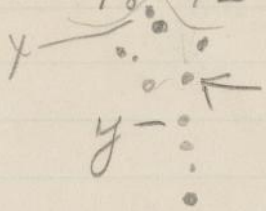
1926phae.proj.1215W

98 Position measured, Bk. 39, page 34.

Regin 18 24. -23

No. 17 18 42 -27.9 New Var.

June 28
MF Bl




Br. = fainter than x
Br = much brighter than y

Extreme fol. edge

Br 9793
9779
9784
9769
9759
9747
9740

Seen A 6124 a little fainter than y.

Seen, B16826

N S 9550
ft, Seen 9691
" " 9684
9672
9663
9656
N. S. 9589
or merely trace
9565
Seen 8519
* A 2736 (for mags)
8986
9376

Found independently on A plates, Obs. 186. Bks. 40, page 108.

Confirmed by Miss Cannon, July 9, 1926

Meas A 6124

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1926phae.proj.1215w

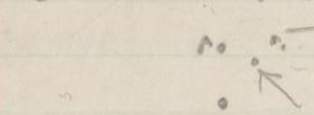


This regim is continued in Bk. 38, page 150

Position measured, Bk. 39, page 20.

No. 18 18 14 −27.1 New Var.

June 28 MF Pl.



Br. = nearly = x

Br 9793
MF 8519
~~9793~~
8638
8759
8766
8770
9565 July 21
9589 July 23
9656 Aug 8
9672 Aug 11
9684 Aug 13
9691 Aug 14
9740 Sept 5
9747 Sept 7
9759 " 8
9779 " 10
9784 " 11

B27184

Not large range
Algol ?
Short Min.
Meas @2605

Confirmed by
Miss Cannon,
July 9, 1926

NS 9550 July 20

9597 July 25
9769 Sept 9

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1926phae.proj.1215w



Contact Plate —— * Good plate to compare when new decimals from blue cards.

Milky Way Region 18 9 −29.9

Available Plates — Eqi. 2

| | | | | | | |
|---|---|---|---|---|---|---|
| Bb. 41, p. 130 | MF 8505 | April 30 | 1924 | 60m | 4i | 2423906.845 |
| Where is plate? | 8647 | June 23, | 1924 | 62 | | 3960.720 |
| Conf. Pl. | 8679 | June 30 | 1924 | 60 | 3i | 3967.733 |
| p. 131 | 8762 | August 22, | 1924 | 60 | | 4020.605 |
| | 8779 | " 27, | " | 60 | 3i | 4025.590 |
| —— | 8806 | Sept. 15, | Not rec'd. | | | 4044.544 |
| Bb. 41, p. 133 | 9041 | April 28, | 1925 | 60 | 3i | 4269.889 |
| Not good images | 9048 | " 29, | " | 60 | 3i | 4270.879 |
| 150 | 9053 | May 2, | " | 45 | 3+ | 4273.866 |
| Few images | 9105 | May 14, | " | 45 | 3 | 4285.860 |
| 41, p. 138 | 9122 | May 16 | | | | 4287.865 |
| | 9151 | " 19, | " | 45 | 3 | 4290.849 |
| | 9136 | " 18 | " | 45 | | 4289.832 |
| | 9162 | " 21, | " | 45 | 3 | identifies 7.2-30 |
| | 9179 | " 23, | " | 45 | 3i | 4294.789 |
| 126 | 9200 | " 25, | " | 45 | 3+ | 4296.846 |
| X | 9215 | " 27, | " | 45 | 3+ | 4298 ? |
| | 9233 | " 27, | " | 45 | 3i | 4298.820 |
| —— | 9254 | N.G. 28, | Not rec'd. | | | 4299.802 |
| | 9273 | " 29, | " | 45 | | ~~4300~~.837 |
| 41, p. 136 | 9290 | " 30, | " | 45 | 3+ | 4301.785 |
| Poor image | 9355 | June 15, | " | 45 | 3i | 4317.754 |
| 41, p. 136 | 9383 | " 17, | " | 45 | 4i | 4319.758 |
| 108 | 9400 | June 18, | " | 45 | 3 | 4320.740 |
| X | 9410 | " 19, | " | 45 | 3 | 4321.762 |
| 41, p. 136 | 9412 | " 20, | " | 45 | 4 | 4322.761 |
| 120 | 9427 | June 22, | " | 45 | 3i | 4324.740 |
| 141 | 9445 | " 23, | " | 45 | 3+ | 4325.768 |
| X | 9462 | " 24, | " | 45 | | 4326.757 |
| 41, p. 136 | 9479 | " 25, | " | 45 | 4 | 4327.756 |
| —— | 9492 | N.G. | Not rec'd. | | | 4328.658 |

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1926phac.proj..1215W



plates cmnc — 9215, 9462, 9410 9493

| | | | | Eff. | L | |
|---|---|---|---|---|---|---|
| X | MF 9493 | June 26, | 1925 | 45 | 3i | 2424328.690 |
| | 9494 | " 26, | " | 45 | 3i | " .722 |
| 131 | 9495 | " 26, | " | 45 | 4 | " .754 |
| 130 | 9521 | July 10, | " | 45 | 3i | 24342.646 |
| | 9533 | July 11, | " | 45 | 3i | 4343.694 |

31 plates

Bk. 41, p. 6 Later MF Plates

List of a plates page 160
B " 161

30

— See card — May 26

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1926phae.proj.1215W



Limits 17 48(?) to 18 32, -25 to -34.5

| | | | | | |
|---|---|---|---|---|---|
| 17 | 47.4 | -34 29.7 | - Sco | | |
| 17 | 47.5 | -34 19 | B N Sco | | |
| | 47.5 | -34 20 | Nova | Cannon | |
| | 48.6 | -31 37 | € | Cannon | -31 14786 |
| | 48.6 | -34 12 | T X Sco. | | |
| | 49.7 | -33 48 | a I Sco | Cannon | -33 12638 |
| | 53.8 | -27 32 | Nova Sag 2 | Fleming | |
| | 57.3 | -26 29 | a T Sag | Wolf | |
| | 58.6 | -29 35 | W Sag | | -29 14447 |
| | 59.7 | -31 45 | Nova Sag. 7 | Woods | |
| 18 | 0.5 | -27 26 | Nov. Sag. | Cannon | |
| | 2.5 | -32 29 | Nov. Sag 6 | Woods | |
| | 5.8 | -29 53 | a O Sag. | Cannon | -29 14636 |
| | 8.7 | -29 44 | V Z Sag. | Leavitt | |
| | 11.0 | -34 8 | R S Sag. | | -34 12673 |
| | 13.7 | -25 14 | Nova Sag. 3 | Cannon | |
| | 13.7 | -32 15 | " | Cannon | |
| | 16.0 | -25 17 | X Z Sag. | Cannon | -25 13054 |
| | 16.8 | -27 28 | W W Sag | Leavitt | |
| | 17.1 | -33 26 | | Innes | |
| | 17.8 | -30 39 | a Z Sag. | Leavitt | -30 15642 |
| | 18.4 | -24 55 | N GC 6626, 9 vars | | |
| | 18.6 | -31 34 | | Innes | |
| | 19.8 | -33 7 | | Innes | |
| | 20.3 | -30 7 | | Innes | |
| | 20.6 | -27 10 | | | |
| | 20.7 | -29 7 | | Innes | |
| | 20.8 | -28 35 | | Innes | |

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| | | | | | |
|---|---|---|---|---|---|
| 18 | 21.1 | -27 13 | | Innes | |
| | 21.4 | -33 23 | RV Sag. | Fleming | -33 13234 |
| | 21.8 | -27 43 | | Innes | |
| | 22.6 | -32 9 | | Innes | |
| | 23.1 | -33 48 | | Innes | |
| | 23.2 | -32 7 | | Innes | |
| | 23.7 | -30 57 | | Innes | |
| | 23.8 | -32 42 | | Innes | |
| | 24.2 | -33 1 | | Innes | |
| | 24.5 | -31 11 | | Innes | |
| | ~~24.9~~ 25.3 | -33 42 | | Innes | |
| | 25.4 | -34 46 | | Innes | |
| | 25.5 | -31 15 | | Innes | |
| | 25.7 | -29 28 | Nova Sag. 5 | Woods | |
| | 25.8 | -29 25 | | Innes | |
| | 26.5 | -33 39 | | Innes | |
| | 26.7 | -34 17 | | Innes | |
| | 26.9 | -33 39 | | Innes | |
| | 26.9 | -35 41 | | Innes | |
| | 27.0 | -30 39 | | Innes | |
| | 27.2 | -32 0 | | Innes | |
| | 27.5 | -32 26 | | Innes | |
| | 27.8 | -31 33 | | Innes | |
| | 28.0 | -32 37 | | Innes | |
| | 28.2 | -26 59 | | Innes | Nova? |
| | 28.3 | -31 23 | | Innes | |
| | 28.4 | -29 39 | | Innes | |
| | 28.9 | -31 22 | | Innes | |
| | 29.4 | -32 44 | | Innes | |

Continued on page 156

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1926

Lots of "background" in this region. This affects magnitudes markedly. D.E.W.

May 1 Region 18 9 – 30 17 50 + 18 30. –25 + –34.5 Plt

Cedar.

MF8679 page 108

9400

(Orig) 8679 superposed & numbered for Objects

May 1 MF8679 page 120

9427

✓9427 superposed

May 3 MF8679 page 126

9200

✓9200 superposed

May 4 MF8679 page 130

9521

✓9521 superposed

May 4 MF ~~8679~~ 8762 page 131

9495

✓8762 superposed excellent plates

good images, round and clear & separated from each other –

These plates fairly comparable

May 5 MF 8762

9445

✓8762 superposed

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1926phae.proj..1215W



8762
May 7 MF 9053 page 150
V 9053 superposed

September 7 a 10365 page 155 Limits 17 40 to 18 12
10404 — 25 to -30.5
(Underlined to call attention to interval) 10365 superposed

Sept. 8 B 26472 17 52-27 p. 157 Limits about 17 31 to 18 13
34004 - 22.5 to -32
34004 superposed

Sept. 8 B 25506 V 17 50-32.6 Limits 17 28 to 18 12
32049 -27.5 to -37.2
25506 superposed
Some known variables are already marked but no new objects.

Sept. 10 a 2673 18 30-32.5 Limits 18 14 to 18 48
12380 Page 162 -29 -35
2673 superposed

Sept. 11 a 3696 18 32-37.5
4474 Bk. 41, page 30
4474 superposed

dates 26 years apart
2 proper motion stars found.

Sept. 13 a 11294 (8x10) 18 53-37 Limits
12571
11294 superposed — poor plate not comparable Limits (8 43 to 19 2 -36 to -38.5
Bk 41, p. 66)

a 12571 (8x10)
12645
12571 superposed

a 12571 Bk. 41, p. 72
12645
12571 superposed

Bk. 41 Continued, page 74,

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1926phae.proj.1215V



Bright Asteroid m 8679
18 14 – 25.5

Bright Asteroid m 8679

Bright Asterid m 8679

Bright Astirid m 8679

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Asteroid (?) 9521

Asteroid (?) 9521

Asteroid (?) 8762 18 13 -27.8

See Nebula (?) at
on plates

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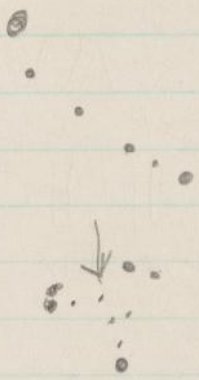


Regim 18 9 - 30

No. 1 18 21.5 -26.0 New Var?

May 1

MF Pl



a faint star at Max.

Bz. 8679 Ft. 9427

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1926phae.proj..1215W



No. 2 New Var. 18 16.8 − 25.6 New Var.?

May 1
In F Pl

Br. 8679 H 9427

See Nora, Regim 1824-23, No. 7

Same

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Regim 18 9 -30

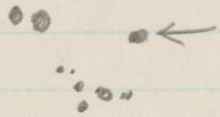
No. 3

18 17 -27.3

Bright

May 1

MF Plates



Br. 8679

9427

Ft

18 16.8 -27.4 ? Leavitt WW Say (Get her mkd pl.

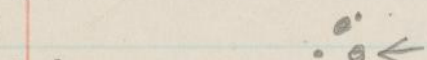
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1926phae.proj.1215W



No. 4 18 17 −27.7

May 1
MFRl.



given number but not suspected of being a var.

green shape — probably defect.
Very bright on 9400

See object near on 9427

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1926phae.proj.1215W



Position measured Bk. 49, p. 39. =CDM -29° 15079

Regin 18 9 - 30 New Var. Large range
18 28 - 29.1 New Var?

No. 5



May 1
MF Plates

Algol?

Too quick change for long period

| Br 8679 | Medium 9200 | Ft 9400 |
|---|---|---|
| 9427 | 9233 | 9355 |
| 8505 | 9273 | 9462 |
| 8762 | 9410 just Max | |
| 9041 | | |
| 9048 | | |
| 9053 | | |
| 9105 | | |
| 9179 | | |
| 9215 | | |
| 9290 | | |

Ft 9400 June 18
Br 9410 June 19
Br 9412 June 20
Br 9427 June 22
Br 9445 June 23

Try to get period about 3d

Vuyt 9355 June 15
Br 9383 June 17
Ft 9400 June 18
Ft 9462 June 24

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1926phae.proj.1215W





No. 6 18 22.5 − 30.2 New Var?

May 1
ThF Pl.



| Br. | Medium | Th |
|---|---|---|
| 8679 | 9179 | 9427 |
| 9053 | 9200 | 9400 |
| 9105 | 9233 | 9355 |
| 9215 | 9273 | * 9410 |
| | 9290 | @ 10615 |
| | | 10616 |
| | | 10772 |
| | | 10775 |

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1926phae.proj.1215W



Regim 18 9 - 30 New Var.?

No. 7 18 19 - 30.4

May 1

M + Pl

Br. 8679
9427
9151
8505
9041
9048
9053
9105
9151
9179
9215
9233
9273
9410
9412
9479

Ft 9400
probably due to defective film

Is right star marked?
No variation in many plates exam.

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1926phae.proj..1215W

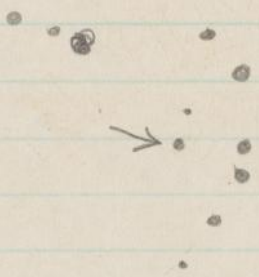


Position meas., Bb. 49, f. 38

Innes

No. 8. 18 24 − 30.9 ~~New Var.~~

May 1
MFPl



Ft star at Max
Br. 8679

Ft.
9427
8505 — Found independently on these plates, Bb. 41

10142 ——————

See 18 23.7 − 30.57
10148
Innes 11?
a10615

9041
9151
NS a10772
Very ft a10775

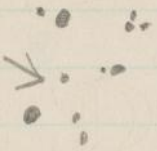
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1926phae.proj.1215W



Region 18 9 -30 Not large range
No. 9 17 58 -31.3 Near Var.?

May 1
MFOl



7 Ⓑ .8679 Medium H

| | |
|---|---|
| 9053 | 9427 |
| 8762 | 9273 |
| 9041 | 10142 |
| | *10347 |
| | 10272 |
| | 9383 |
| | 10148 |
| | 8762 |
| | 8505 |
| | 9200 |
| | *9215 |
| | 9283 |
| | 9290 |
| | *9383 |
| | **9410 |
| | 9179 a little br. |
| | 9105 " " " |

Almost NS 8505

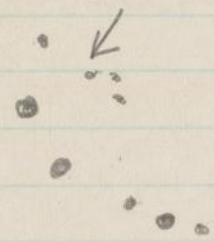
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No. 10 18 19 -32.2 New Var?

May 1
M7 Pl



B. 8679
9427
8505
8762
9041

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1926phae.proj.1215W

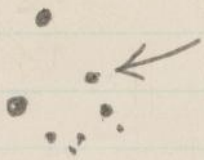


Kunz

Regiom 18 9 -30

No. 11 18 21.5 -33.4

May 1
MFPl.



√

Br. 8679 Ft 9427

18 21.4 -33.4 ?
-33 13234 ?

found independently Br MF 9151 Ft 9462

Verified by Innst. 18 21.4 -33 23 (1900) 8.2 - 12.3
Fleming
R V Sagittarii

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1926phae.proj.1215v

Kunna?



extreme corner

No. 12 → 17 48,5 -34,2

May 1

W F Pl.

TX Sco ?

Ft. 8679

B 9427

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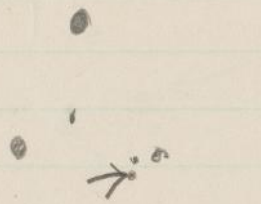


Prod Position measured Bk. 49, p. 53

Regim 18 9 -30

No. 13 18 7-27.7 New Var?

May 1
MF Pl.



Not?

Br MF 9427 June 22 ·:-14
9445
9462
9479 *
9493
9494
9495 June 26

8762

Ft 8679
9215
9233
9273
9290
9355
9383
9400
*9410
9412 June 20
9521 July 10
10142
10148
10272
10347
10356
10366

8762 9041
medium 9200 9048
9053
9105
9158
9179

grainy ft

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1926phae.proj..121v



No. 14 18 6 - 27.9 New Var?

May 1
MFRl See p. 120

Seems like moving object — not star image, otherwise
9427 June 22/1925

see note with identification
of Asteroid, Ast. Nach. 42, p. 149

8679
9215
9233
9445
9462
9273
9290
9355
9383
9400
9410
9412

8762
9200

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1926phae.proj.1215W

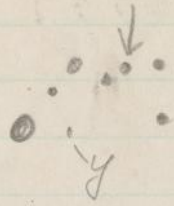
122 × Cat. position reduced to 1900 Bb. 49, p. 40 Not in Card Cat

Prov'l Regim 18 9 – 30 Large range

No. 15 18.1 – 28.4 New Var

May 1 Very bright –

M F Pl. ~~totally blank~~




Br = brighter than x
Ft = about = y

Algol?

B 9279

CPD – 28° 6297 10.3
17 59 50.4 – 28 24.8
1875

Get period

| Br | | | Ft |
|---|---|---|---|
| 9427 | 9521 | A 12042 | 8679 |
| 8762 | 10142 | | 8505 |
| 9041 | 10147 | | 9053 – May 2 |
| 9048 – Apr. 29 | | | |
| 9105 | 10148 | | |
| 9151 | 10272 | | |
| 9179 | 10347 | | |
| 9200 | 10356 | | |
| 9215 | 10366 | | |
| 9233 | | | |
| 9273 | | | |
| 9290 | | | |
| 9355 | | | |
| 9383 | | | |
| 9400 | | | |
| 9410 | | | |
| 9412 | | | |
| 9445 | | | |
| 9462 | | | |
| 9479 | | | |
| 9493 | | | |
| 9494 | | | |
| 9495 | | | |

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1926phae.proj.1215V

~~Find a 9025~~ No apl.

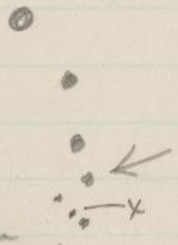


Curved

No. 16 18 12 −33.2 Nov Var.?

Mbd 9427, 8679

May 1
MF Pl.



Ft = perhaps NS

Br = a little bright than ✕

| MF | | Ft |
|---|---|---|
| 9427 | | 8679 |
| 9200 | | 8505 |
| 9215 | | 8762 |
| 9273 | | 9041 |
| 9383 | | 9048 |
| 9410 | | 9053 |
| | | 9105 |
| 9493 | Not Mar | 9151 a2661 |
| | | 9179 a2714 |
| | | 10142 a9025 |
| | | 10148 |
| | | 10272 |
| | | 10356 |

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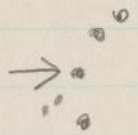
1926phae.proj.1215W

124 Positim, meas, Bk. 49, f. 41 mkd 9427, 8679

Regiom 18 9 -30 Ft star

No. 17 18 23 -33.9

May 1
MF 11



See 18 23.1 -33 48

| MF 9427 | | MF 8679 |
|---|---|---|
| 10366 | 8505 | 10148 |
| 10347 | | 9495 |
| 9410 | | 9479 |
| 9151 | | 9355 |
| 9048 | | 9215 |
| Proof a 12225 | | 9053 |
| | | a 2661 |

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1926phae.proj.1215V



No apl.

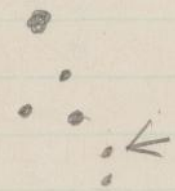
18 27 - 34.4
~~25 - 33.7~~

Good range

See mbd MF 9427

No. 18

May 1
nFRl



Br. 9427

See 18 26.7 - 34 17

9479

9410

9355 Nul? Ft 8679

9215

9151

9053

9048

8505

a 9040

See ft a 12225

a 2661

9025

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1926phae.proj.1215W

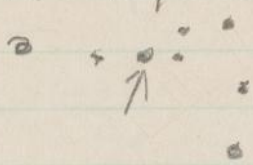


* Moving Object — Omit, unless important

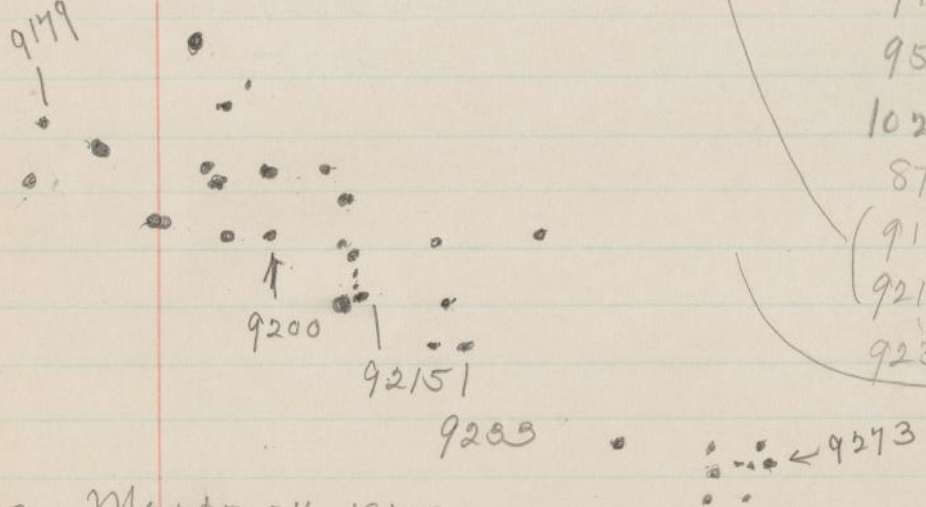
Regin 18 9-30

May 3 M.T. Plates  M. 19  18 27 − ~~27.9~~ 26.5

Large range
New Var?



Br 9200 May 25  Very ft 8679
9427
8505
9383
9400
9410
9445
9479
9493
9521
10272
8762
(9179 — May 23
(9215 — May 27
9233




later plates not plotted

9179 May 23-24 1925
9200 May 25 "
9215 " 27
9233 " 27
9273 " 29

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1926phae.proj.1215V

Position measured, Bk. 49, p. 42.



Paired
No. 20

Mkd 8679, 9200
large range

18 26 – 31.2

May 3



Long period

B.r. 9200

N S 8679
10272
10366
10347

found again 9479

See 18 25.5 – 31 15
9290
all sum 9179
uniform 9355
May 9233
9273
9355
9383
9412
9493
9521
a 10772
10775

a 10615

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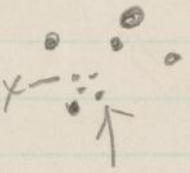
1926phae.proj.1215W



Regim 18 9 −30°  Mkd 9200 & 8679

M. 21  18 20.5 −33.1  Perhaps small variation

May 3
MFPl  near 11,  much lighter than
North, Prec.



See Ines 18 19.8 −33.1  3 18 18.2 −33 8 (1875)
MF 9200  10366
10399
8505
Which star  9215
varies?  9383  9410 June 19
See 9151  9412 June 20
meas. — a2661  a10490

Have confirmed
a2673 is broken right in this regim.

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1926phae.proj.1215w



Mt very long per.

Position measured Bk. 49, p. 55

Proved

No. 22 18 10 – 33.6

Mkd 9200, 8679

Near Var?

May 3.

MT Pl

Br = nearly = ✕

| | | | |
|---|---|---|---|
| | 9200 | Medium 6050 | 8679 |
| | 9215 | MT 9053 | 9521 |
| | 9233 | 9105 | 9495 |
| | | 9179 | 9494 |
| | A 9025 | | 9400 |
| Meas | A 2661 | | 9383 |
| | MT 8505 | | 9151 |
| | 8762 | | |
| | 9041 | | |
| | B 16496 | $10^m$ Ej | |

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1926phae.proj.1215V

130 ✕✕✕ meas. for light curve, not Nova

Continued Bk. 41, f. 134

Regin 18 9 -30°

No. 23

18 1 -27.5

May 4
MT Pl

See B27750 marked
for Nova Sag.

Large range

NS

Br 9521 — 1925
9495 fainter

Br 9533
10142
10147 fainter
10148
10272
10347 slightly
10356 fainter
10366

See Nova Sag. position No. 4

Var., fell 2 slightly N
~~if not tested~~

a 10443 (1911) July 19

18 0.5 -27 26 Marked AM 3883 star near Cannot Nova about 1 min.

Object follows

8679
8505
8779
904
9048
9105
9151
9179
9200
9215
9233
9290.
9355 beginning
9383 perhaps slightly br.
9407 Seen but faint
9412 brighter
9427 seen, still faint
9445
9479
9493
9494 brighter

B 9279 1893 (10m)
B 27408
B27750

a 11002
a 14022 *
~~129~~
a 10404
10416 June 18, 1911
Very ff Nebd
a 8386 (1907)
8420

here to change ?

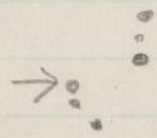
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No. 24 18 5−25.3 Near Var?

May 4
Int Pl



Defect? Slightly different

B1. 9495 N.S. 8679

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1926phae.proj.1215V

132

Position measured, Bk. 49, f. 44.

Curved

Region 18 9 -30

No. 25

17 59 -25.8 New Var?

not very much range

May 4

MF Pl




Br = about = y

Ff = ~~a little fainter than~~ y N.S.

Small but real change - Uncertain between Max & Medium or Med to Faint

Nearly Max

| Br. | | | Ff | | |
|---|---|---|---|---|---|
| | 9495 | 9355 | | 8679 | Changing |
| | 9445 | 9407 | | 8505 | but not Max |
| | 9462 | 9410 | | 8762 | * |
| | 10142 | 9412 | | 9041 | |
| | | 9479 | | 9048 | |
| @ | 10443 | | | 9053 | |
| | 8420 | | | 9105 | |
| | | | | 9151 | |
| | | | | 9200 | |
| | | | | 9233 | |
| | | | | 9273 | |
| | | | | 9290 | |
| | | | | 9383 | |

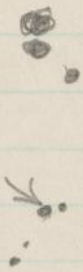
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1926phae.proj.1215w

Positim measured, Bk. 49, f. 45



Arrcd
No. 26 18 23 −26.8 New Var?
May 4
M F Cl



| Br. | Med? | Fr. |
|---|---|---|
| 8762 | 9427 | 9495 |
| 8679 | 9400 | 9479 |
| 9388 | 9410 | 8505 |
| *10148 | 9445 | 9498 |
| 10272 | 9521 | 10142 |
| | 9200 | 10347 |
| | B 9580 | 8762 |
| | a 9370 | |

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1926phae.proj.1215W



Isn't this a var of 18 24-23 ?

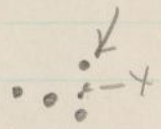
Arrived r

Regin 18 9-30

No. 27 18 22-27.8

May 14

MF Pl



Possibly a defect?

Br. 9495
9479
9462
9445

See 18 21.8-27 43
9412
9410
9383
9355
9290
9273
9200
9151 ft, diminishing May 19

long period

Stare Plate Rec. Feb and

N S
8679
10142
~~9462~~
9105 faint
9053
a 2752
a 8370

This is D.E.W. 253, Regin 18 24-23 = Innes 8

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1926phae.proj.1215W



Reject – slight Var., if any

No. 28 17 59 -28.2 New Var?

May 4

MFRL



Slight, if any, Variation

Ba. 8762
8679
9048

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Proved ✓

Regin 18 9-30

No. 29 17 58-29.2 Large range

May 4
M+Pl

fainter than ✓

Br. 9495
8679
8505

Very ft 8762*
9041

Sec 17 58.6-29 35 Dec ?
Found independently on a plate, page 155
9521

B 9279 NS 10m ✓ 62 grits
a 8426*

Perhaps this is an Algol ? Few Min

a 10421
* 10443
14023
12042
10421

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1926phae.proj..1215W



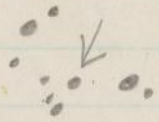
Pivoted Meas. A12458 Meas. Position Bk. 49, p. 46

Good range

No. 30 18 26.5 −32.0

May 4

MF Pl



Idem B16496

Br. 9495 Very ff 8762

See detail on an a plate later. ~~on 1148~~ See Var. 147 ✓

Medium 8679 See — Bk. 37, p. 101 more plates

Not Innes — 18 27.2 −32 0

Barely seen on NS (if same star)

MF 9233 Not May but prof A12458 A12225

9273

* 9290

9383 Barely trace A2673

9400

9412

9445

9479

9494

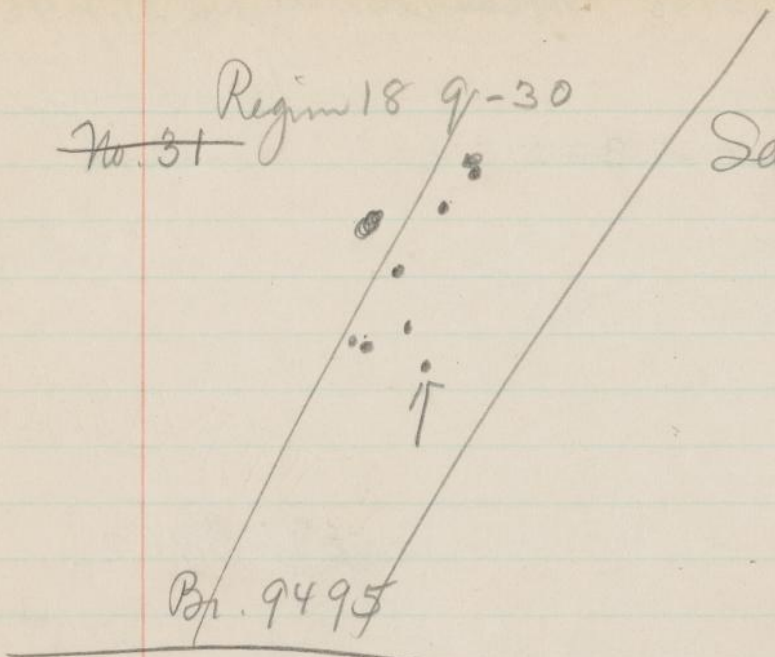
9521

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1926phae.proj.1215V



~~No. 31~~ Regim 18 9-30



Same as No. 16

Br. 9495

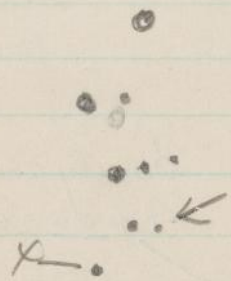
No. 33 18 27-25.3 New Var?

(out of order to fill this page)

Br = nearly = X

May 5

MF Pl



Br 8762
9041 Not Max
9053

Med?
9273 barely seen

ff
9445
~~8679~~
~~8769~~ } barely seen
8505
9105 Seen but ff
9151 " " "
9179 Decreasing
9200
9383
9400
9410
9412
9427
9445
9462
9479

9521
9493

10272
10347
10366.

This is J.E.W. 154,
Regim 18 24-23

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1926phae.proj.1215w

Rec'd Position meas. Bk. 49, p. 47. 

No. 31 18 17 −33.5

May 4
NF Cl.

Br. 8762 FL 9495
9521
9479
10142

Sec 18 17.1 − 33 26 Innes

a 12458 a 2673
12418
12380 Probably this star ft but seen
12490 on B 16496 10 m
2810 mbd No. 69 also on a plates

Diff. of 25$^s$ Innes − H

Also found on a plates, Bk. 41, p. 19, No. 69

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1926phae.proj.1215N

140 Have this confirmed

Positim meas. Bk. 49, p. 49

Regim 18 9 -30

a 12458

Mkd M 8762, 8679

No. 32 4 18 18 4 -33.5 New Var?

Quite ff. Small (?) range.



May 4
MF Pl

| | | Bri | |
|---|---|---|---|
| | a 12458 | ~~Mkd~~ 8762 | 8679 |
| 8762 = 4 | a 6050 | 9041 | NS 9495 a 2661 |
| mean 6050 | | 9053 | 8505 a 12099 |
| | | 10347 | 9105 |
| 16496 | | 10366 | 9151 |
| | | a 9025 | 9179 |
| | | | 9200 |
| | | | 9215 |
| | | | 9233 |
| | | | 9273 |
| | | | 9290 |
| | | | 9355 |
| | | | 9383 |
| | | | 9400 |
| | | | 9410 |
| | | | 9412 |
| | | | 9427 |
| | | | 9445 |
| | | | 9462 |
| | | | 9479 |
| | | | 9493 |
| | | | 9495 |
| | | | 9521 |
| | | | 10142 |
| | | | 10148 |

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1926phae.proj.1215N



No. 33 See entered on page 138

No. 34 18 16 −26.0 New Var?

May 5
M ? Cl



| | | | |
|---|---|---|---|
| | | Med or ff.? | MF 9445 barely seen |
| | Br. 8762 | 9151 Seen | NS 8679 |
| | 9041 | 9179 | 8585 |
| | 9053 | 9200 | 9383 |
| Probably quite long period | 9105 | 9215 | 9400 |
| | | 9233 | 9410 |
| | | 9273 | 9412 |
| | | | 9427 |
| | | | 9445 |
| | | | 9462 |
| Same as No. 33 | 18 24 −23 | | 9479 |
| | 18 16 3 −25 58 (1900 | | 9493 |
| | | | 9521 |
| | | | 10142 |
| | | | 10148 |
| | | | 10272 |
| | | | 10347 |
| | | | 10366 |

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1926phae.proj.1215V



Position measured Bb. 49, f. 50

Regin 18 9-30

No. 35 18 13-25.8 New Var?

Good range

May 5

MF Cl

B 8762 * mF 9445 Med a 3809 Ft mF 8762

3802

perhaps 3804

bright 3806 8679 barely seen

3807 examined a few plates

* a 12661 probably Mine

a 12594 and all late

8x10 a pl. of NGC 6626 that I examined.

Position on a 3806 two hour mirages to meas. a 9370

a 9640

See detail on a plate, with positim. A faint star follows, slightly north. This appears as a faint ring when Variable is bright and on plates of elongated images would not be called another star. When Var. is faint they are separated. If Var is ever N.S. the faint star will probably be seen and on any but a plates would overlap. This would affect Magn. of Var.

a 3806 et al Var. & ft. both seen.

a 12661 " ft. both separate and Var is much fainter than ft. star.

plates increase before and after 12661

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Watch

Regin 18 9-30

No. 36 18 8-25.2 New Var?

May 5

Br. 9445

N.S. 8762
8679
9427
9462
9479
8505
9041
9053
9105

before and later

Seems to be star image.
Near edge (N)

Var 24 marked on MF 8679 = no 35
Pk 37 p 100
25 - marked - no no

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1926phae.proj.1215w



Watch

Regin 18 9-30

No. 36 18 8-25.2 Nov Var?

May 5

Br. 9445

N.S. 8762
8679
9427
9462
9479
8505
9041
9053
9105

Before and later

Seems to be star image.
Near edge (N)

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1926phae.proj.1215W



Watch

Regim 18 9 -30

No. 37

18 20.5 -27.1

Quite a ft star — probably a long period

May 5

MF Pl

Br. 8762 Aug. 1924 9445 barely seen

8679 " "

8505

~~4a Imes~~

~~Su 18 20.6 -27 10~~

9041

9105

9215

9273

This Var. = 168

9355

9400

9521

10142

10272

10347

10356

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1926phae.proj.1215W

Positim meas. Bk. 37 page 52 Revised

Look up 38a, see Bk. 41, p. 148

a10416 Mkd 8762, 8679



Regim 18 9-30 near Center of plate

No. 38 18 ~~26.5~~ 8 -27.8

May 5
W7 Bl



Br = brighter than x

Medium

Br, 8762
8505
10148
10347
10366

Ft 9445
Ft 8679 barely seen
9041
9179

This is No. 173, W., Regim 18 24 -23 38a
18 26 4 -27 51.4

9273
9383
9410
9427
9462
9479
9493
9521
10142
a10416
a10443

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1926phae.proj.1215W

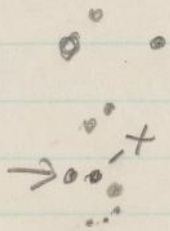
146 A plate? Meas?

Mkd 8679 a12209

Regim 18 9-30 New 18 9.5 -30.2

No 39

May 5
MF Pl



Br. = nearly = x

Br

8679
10148
B2616 10272

Medium 8762
10347
10356 aff
10366

Probably NS
9445
(is this defective film)?
NS aff 9412
9462
9479
9493
9494
8505
9041
9151
9215

Several ff stars close. When Var. is ff, doubtful. Should be iden. very carefully See best A plates

A 12207 → A 14022
Probably br. A 10615 (edge)
2661
12099
12042

A 14022 excellent image but var is ff. Measure?

See object (ff) changing 3 edge A 2605

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1926phae.proj.1215w

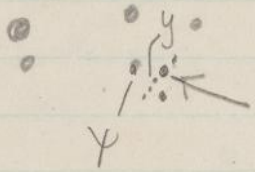


Position measured Bk. 49, p. 51.

Prncd
No. 40
May 5
NAT Rl

18 18.5 −31.6

Large range




much brighter in a pl.
Br = ~~at least as b as x~~
Ft. = " " " ft as y

Br 8762 Medium 8679 Ft. 9445

If one of ft stars seen, very ft a 2673 on which it is mkd, probably by Lupton, but outside this field

See 18 18.6 −31 34 Limes

Use for mean if no better. Near edge

*a 14022 much brighter
12099 about = x
*12490

a 12388
10772

1926phae.proj.1215w

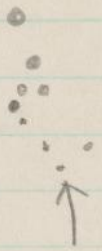


Is a12042 good enough to meas.? Edge [Mkd MF 8679 a12042

Regin 18 9 -30

No. 41 18 11 -32.7 New Var?

May 5 MF Pl



A very ft. star at Mab

Br 8762 8679

Probably NS 9445 with very ft. stars close by.

perhaps Medium — a12042 NS a12099

a9025 very edge NS a very ft a6050 (262m) a2661

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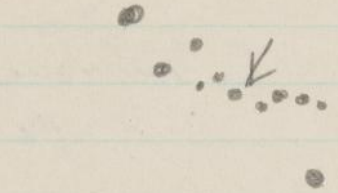
1926phae.proj.1215W



X

No. 42 18 6 -27.8 Large range

May 5
MF Pl



New Var?

Not same obj? 8762
Barely seen ~~8679~~
" " 8679
8505
8762
9041
9048
9053
9151
9179
9200
9293
9273
9290
9355
9383
9400
9410
9412
9427 – June 22-23
9462 – June 24-25
9479
9493
9521

Br. 9445 1925 June 23-24

Asteroid

Sylvia June 23 18 7.6 -27 54 Magn 11.7

Motion less α, slightly S
with increasing date

Another image of this same
object is, apparently, No. 14, p. 121,
on MF 9427.

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1926phae.proj.1215W

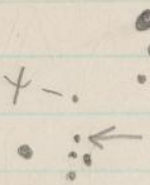


Position measured, Bk. 49, p. 56.

Pivoted May 7 1926 Pl. No. 43

Begin 18 9-30 Not large range

18 28-30.3 New Var.?



Br = a little brighter than x

Br. 9053 Ft 8679 June

8762 Aug 22 8505

9048 Medium 9041

9151 9105

9179

9200 9383

meas — a 12490 a 12380

2673 10772

10615 — poor

10775

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1926phae.proj.1215w

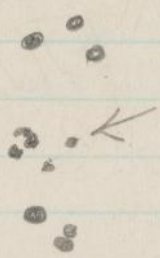


Get A plates N9C6652

Mkd MF 8679, A 10772 edge

No 44 18 28 −32.4 large range

May 7 MF R



appears large when seems to be superposed on several stars, so faint,

Br. 9053 MF 8679

Sea { 18 27.5 −32 26
18 28.0 −32 37 Dec?

Brighter? on A 10772 = (3) 2 A 10615 both stars show?

10775 = 3 2 seen 1 to ff

On A plates there are probable 3 stars and Var. is N one. = 3

Want to find A plate showing all. Most A plates show 1 & 2, no change and 3 shows only on plates too poor to show fainter.




A 12458 1 & 2 & ff stars 3 N S
12418 " "
12380 " "
12490 " "
2673 " "
12225 " "
13528 " "

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1926phae.proj.1215W

152

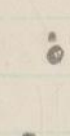
Position measured, Bk. 49, p. 57

*

Regim 18 9 – 30
No. 45 18 20 – 32.7

Mkd 8679, 9053
Fairly large range
New Var.?

May 7
MT



Br. 9053
9041
~~8505~~

Ft 8679
9200
9179
9215
9233
9151
8762
8505

Br. B16496

9273
9290

Miss. a 12490
a 9025

a 12380

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1926phae.proj.1215w



57

Algol

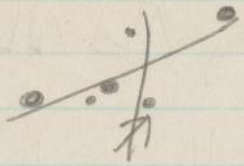
Position measured Bk 49, p. 58

Proved

No. 46

May 7

MT

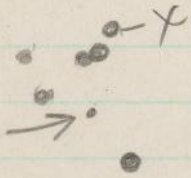


18 17 -32.5

Mkd 8679

Good range

Near Var?



Ft 8679

Br = brighter than X

Algol

Get period

Br. 9053
9200
9179
9215
9233
9041
8762
8505
9048
9105
9151
9233
9273
9290
9355
9383 June 17
9410 June 19
A 2661
Br B16496 10m

Ft. 8679
9400 June 18-19

Found on A plates,
No. 153, Bk. 41, p. 107

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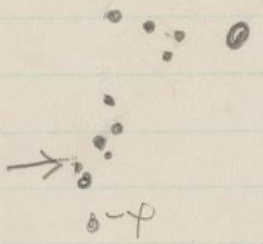
1926phae.proj.1215w



Prvsd Regim 18 9 – 30
No. 47 18 6 – 34.2

Mkd MF's a2661
New Var?

May 7
on MF plates



Br = Y

Br. 9053
8762
9041
9048
9105
9151
9290

Ft 8679
8505

a6050
(262 m)
a9025

9179
9200 ) dem
9215
9233
9273
9353
9412 very ft
9427
9445
9462
9479
9495
9521
10148
10272
10366
a2661 on ft star
a9025
6050

Meas. 2661?
ft star same?

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1926phae.proj.1215w



Note – Surrounded by several ff. stars. (a 12042)

Min not fixed

No. 48 = Object No. 29, page 136

September 7

found on a pl. Cancel No for this object

---

No. 48 17 55.5 -29.7 New? Marked on a 10365, a 10404, and MF a very ff star at map.?

Sept 7 on a plates

Bz. = x

Extremely ff a 10365

Meas 14022

| | | |
|---|---|---|
| | Ba 10404 | Medium |
| | MF 8679 | MF 10356 ? |
| | 10272 | a 14022 ? |
| a 14022 | 10142 | a 12099 |
| | 10148 | a 8386 |
| Perhaps not | 10366 | 12042 |
| an Algol | 10391 | 10416 |
| through | * 10399 | |
| whole time | 8505 | |
| Min is | 8762 | |
| reached only | 9041 | |
| 2 times | 9053 | |
| See Max | 9151 | |
| on MF 10399 | 9179 | |
| which is | 9200 | |
| brighter than | 9233 | |
| what I have | a 10443 | |
| called | B 26472 | |
| Medium (?) | | |

Meas 10443

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1926phae.proj.1215W



Regim 18 9 - 29.9

Known Variables in regim. Cont. from p. 103

| | | | | |
|---|---|---|---|---|
| 18 | 29.5 | -29 | 13 | Innes |
| | 29.5 | -30 | 1 | Innes |
| | 29.8 | -32 | 43 | Innes |
| | 29.9 | -30 | 34 | Innes |
| | 30.2 | -30 | 28 | Innes |
| | 30.2 | -32 | 47 | Innes |
| | 30.9 | -27 | 47 | Innes |
| | 31.6 | -24 | 36 | BT Sgr. |
| | 31.7 | -30 | 4 | Innes |
| | 31.8 | -31 | 11 | Innes |
| | 32.2 | -33 | 5 | Innes |

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1926phae.proj.12157



3

# Uranus

No. 49 17 53 -23.7

Sept. 8 on B plates beyond MF reg.

Mbd on B 34004 ~~and MF~~
Very bright

B 34004 June 6, 1904. N S B

---

Almanac $17^h 53^m 26^s$ $-23^\circ 38' 26''.8$ June 6

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1926phae.proj.1215w



Position measured Bk. 49, p. 70

Proved Regin 18 9-30 and a 10443
No. 50 18 5-28.7 New Mkd on B 34004 and MF
Not much range
not more than 1 magn.
Sept 8 on B plates
Br = slightly br. than x
Ft = brighter than y

Br B34004
Br MF8679
*a 10404 May 23, 1911
a 10365
a 8420
** a 2605
B 16496

Ft B26472
fainter and hazy ?
*a 10416 June 18
MF 8505
9290
9521

MF8762
9041
9048
9053
9105
9151
*9383
9400
9427
9479

Medium ? 9179
9200
9215
9233

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1926phae.proj..1215V



See 19 — other reg

Kumm

No. 51 18 5.5 -27.8 new Mkdm B34004 and M7

Sept 8

on B plates

Good range

Probably ff star mkd is same as Var.

N.S B26472

Br B34004 Very ff M7 8679

This is No. 19, Reg. 18 24 -23. 18 60 (1905) -27 56.6

Announced HB 838

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Regim 18 9 -29.9

| a | Plates of regim | | Exp. | | |
|---|---|---|---|---|---|
| 10365 | April 9 | 1911 | 60 | 17 56 | -27.3 |
| 10404 | May 2/3, | 1911 | 60 | 17 57 | -27.5 |
| 2673 | Aug. 26 | 1897 | 60 | 18 30 | -32.6 |
| 12380 | May 20, | 1923 | 60 | 18 30 | -32.5 |
| 4474 | June 21, | 1900 | 60 | 18 30 | -37.5 |
| 6160 | Sept 19, | 1902 | 60 | 18 32 | -37.5 |
| 3696 | July 8, | 1899 | 61 | 18 32 | -37.5 |
| 8370 | July 3, | 1907 | 65 | 18 30 | -27.5 |
| 8867 | June 17, | 1908 | 11 | 18 36 | -34.9 |
| 4714 | | | 60 | 19 10 | -32.3 |
| 10149 | June 29, | 1910 | 60 | 19 13 | -32.5 |

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1006phec.proj.12fsw



18 9-29.9

| B Plates of region | | Eq. | | | |
|---|---|---|---|---|---|
| 25506 | May 31, 1900 | 60 | 17 | 50 | -32.6 |
| 26472 | Oct. 23, " | 49 | 17 | 54 | -27.3 |
| 32049 | June 24, 1903 | 60 | 17 | 49 | -32.4 |
| 34004 | June 6, 1904 | 60 | 17 | 52 | -27.4 |

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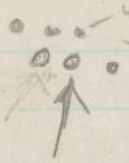
1926phae.proj.1215W



Position measured Bk. 49, p. 68 ✱ ✱

Proved no. 52 Sept. 10 on A plates

Regin 18 9 -29.9
18 31.8 -30.1



and B 13581
Nbd on A 2673

Very large range, probably known.

Ft = much fainter than y
Ft A 12380
NS B 13581
A 2810

Br A 2673
A 12458

Innes 121 ? 18 30.1 -30 5 (1875)

?

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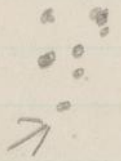
1926phae.proj.1215w



3

No. 53 18 32-30.4 Mlsd on A2673
and B113581

Sept 10
on a plate



A very ft star.
May be defect?

B1.2673
A12458

N.S 12380

Do not find this varies.

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1926phae.proj.1215W



Proper Motion? Dr. Leyton says this

Region 18 9 – 30 Mbd as a 2673, a 12380,
No. 54 18 38.0 – 30.3 and B 13581

Sept. 10
on a plates a 2673
a 12380

same star, marked change of position

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1926phae.proj.1215W



80,

No. 55 18 37-30.5 Mlsd on A 2673, 12380, and B 13581

Sept. 10
a a plates

a very ft. star

Br A 12380
A 12458

N.S. A 2673

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1926phae.proj.1215w



Regin 18 9-30

M. 56 18 39-31.0 Mbd on a2673

Sept. 10
on a plates

Probably faint asteroid
on a2673

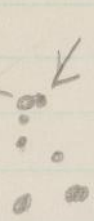
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1926phae.proj.1215W



pm?

No. 57 18 36.2 − 31.1 Mbd on A2673
Sept. 10 and 12380 and
on a plates



Br. 12380 NS 2673
~~12380~~

This Var. found independently
by Dr. Leyden — marked
on A12380 (independent examination)

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1926phae.proj.1215w



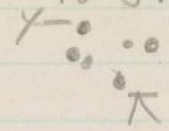
Position measured, Bk. 49, f. 65 B13581

Proved Regim 18 9 - 30 Mkd a 10772

No 58 18 31 - 30.8 Good range

Sept. 10

on a plates



Br = a little brighter than x

Br. 12380

Br, perhaps not Max, B13581 a 10772

a 12458

B 13581

Ft. 2673

Perhaps B19580

Very ft a 10615

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1926phae.proj.1215V



Vars. of this region continued
Bk. 41, page 10

No. 59
Sept. 10
a pl.

18 41 -31.2

Mkd 2673, 12380, and B13581

Br. a 12380
Probably to B13581
a 12458

Ft. a 2673

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Milky Way Region $8^h\ 8^m$ $-22°$

| Page | Available Plates | | Exp. |
|---|---|---|---|
| 174 | MF 8506 | May 1, 1924 | 60m |
| Comp. pl. | 10083 | Feb. 15, 1926 | 87 |
| | 10091 | Feb. 16, 1926 | 45 |
| | 10096 | Feb. 17, 1926 | 45 |
| 174 | 10101 | Feb. 18, 1926 | 45 |

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1926phae.proj.1213V



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1926phae.proj.1215V



Regin 8 8-22

May 8, 1926 MF 8506 page 176
10083
8506 superposed (Vars. mkd on 10083)

MF ~~8~~ 10083 page
10101
10083 superposed

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No. 1

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Milky Way Region $7^h\,9^m$ $-13.2^\circ$

Plates available

| | | | Exp. |
|---|---|---|---|
| Comp. Pl. | MF 9951 | December 7, 1925 | 60 |
| | 9960 | " 9, " | 60 |
| f.190 | 10063 | February 2, 1926 | 30 |
| | 10078 | " 8, " | 45 |
| f.190 | 10082 | " 15, " | 45 |
| | 10090 | " 16, " | 45 |

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Limits to ;-

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Region 7 9 - 13

May 10, 1926 Expos. 9951
10082
9951 superposed
No objects

May 10 Expos. 9951
10063
9951 superposed
No objects

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Milky Way Regions 18 11-13

| Available Plates | | Eqf. |
|---|---|---|
| MF 8820 | Sept. 23, 1924 | 60 |
| 9575 | July 22, 1925 | 44 |

8820 superposed

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Limits : 17 47 to 18 26, −9° to −18°

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Regin 18 11 -13
May 10, 1926 Expm MF 8820 page 198
√ 9575
8820 duplicated

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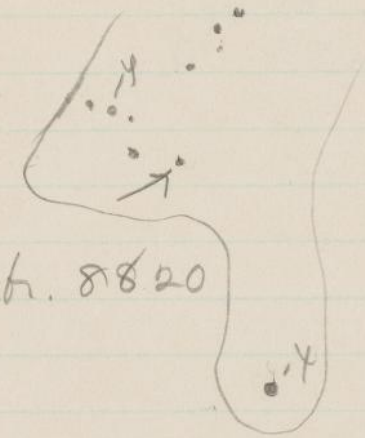
1926phae.proj.1215V

198 √

Regin 18 11 -13

18 24.5 -10.0 (1855)

May 10
Nf + Fl,



Br. = about = Y
Ft = slightly brighter than Y

Very fr. 8820

Ft 9575

(-9 59.6)

V W Scuti 18 26.9 -10 0 Camer V W Scuti

H.C.265

12.2 - [16.0

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Milky Way Region 8 27-28

| | Available Plates: | | Exp. |
|---|---|---|---|
| $\lambda$.206 | MF 8529 | May 5, 1924 | 60m |
| Su Vars mkd | 9022 | April 17, 1925 | 62 |
| $\lambda$.208 | 9036 | April 22, 1925 | 60 |

9022 is best of these plates

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Meteor trail? on 9022
Prof. Fisher saw this, says it is scratch.

Defect(?) 9036

| a Plates | | | | Eff. |
|---|---|---|---|---|
| a 8620 | 8 | 27 | -35.0 | 11 |
| 9123 | 8 | 1 | -25.1 | 60 |
| 4274 | 8 | 30 | -32.5 | 60 |
| 4299 | 8 | 10 | -32.5 | 60 |
| 10663 | 7 | 59 | -29.8 | 120 |
| 3497 | 8 | 50 | -27.5 | 60 |
| 8591 | 8 | 1 | -25.0 | 11 |
| 2974 | 8 | 50 | -27.6 | 49 |

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Limits: 8 4 to 8 46 / -23.8 to -33

List of Kunm Variables not made; the variables found were worked up separately.

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M. W. Region 8 27-28.2

May 10 MF 8529 Page 206
9022
V 8529 superposed

(9022 is much the better plate)
X Variables marked on 9022

May 11 MF 8529 Page 208
9036
8529 superposed

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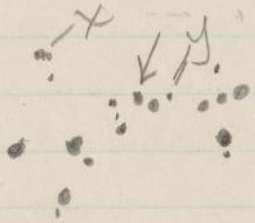
1926phae.proj.1215w



Region 8 27 -28.2
no. 1

8 41.5 — 27.8

May 10
MFRl



Br. = nearly = Y
Ft. = y a fainter

Br. 8529
B B24555 marked as R Pyx.

Ft 9022
Veyft A 3497
Ft 9036
* Veyft A 2974

? R Pyxidis 8 41.3 -27 50
-27 5879
Variable seems too faint a star to be Cat.
~~Cat Star marked as MF 8529.~~
~~Var. follows ↓ North~~.

Ephem (S) edge of A 9124 ~~Do~~ for.
Hor NS B25163 (60m)

This Variable is R Pyxidis

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# a Nora?

No. 2 New Var.

May 10 8 39.0 −32.8 large range

Th F Cl




Br 9022
9036
no a plate
off edge a8620

Ft 8529
No trace a4274
ft. stars seen
B26903 (45m Eff)
B24698 shows ft. stars
22636 not very ft stars
18958 ft stars badly seen
18082 ft stars seen
off S edge of a9191, a9139

Confirmed by
Miss Cannon
June 7, 1926

Need more plates
to prove type. Is Var.

am plates seldom show
as ft stars.
Am 16196
shows star

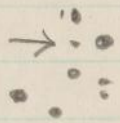
Am plates do not show ft stars.
Epoch. 15589 1921
15679, 15694, 15772, ~~16169~~ 1922
1923 — 16169, 16172, 16196, 16500, ~~16585, 16624~~
1924 — 16673, 16585, 16612

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1926phae.proj.1215w



No. 3 New 8 11-24.8



May 11
WF Pl

Rather Ft at max but bright on poorer plate
Br. MF 8529 Ft. on IIS 9036
a 8591 9022
Meas → a 9123

Confirmed by
Miss Cannon,
June 7, 1926

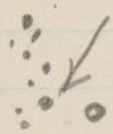
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1926phae.proj.1215



No. 4 Nov  δ 11.5 −30.2

May 11
WFPl



many ft stars between bright star and Var. but Var. stands out markedly on 8529

Br. 8529
meas. → a4299

Ft. 9036
9022
Ft but seen a10663
Too faint for most B plates

Confirmed by
Miss Cannon,
June 2, 1926

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1926phae.proj..1215V

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18 9-29 overlaps 1824-23

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