

F93 14 15.3 413 14 1550

15.31 -0.25 -1.12 5 dm 45/200"

~~15.35 -0.24 -1.13 3 " "~~

15.33 -0.24 -1.12

ADS9247 14 20.9 +8 40 1950

9 5-5
340
A 5.10 +0.14 -0.14 5 May

~~5.14 +0.10 -0.04~~

5.12 +0.02 -0.04 14 Apr 64 100"

5.16 0.00 +0.02 12 " " "

BL 6.80 +0.44 -0.05 5 May 42¹⁰⁰

6.92 +0.38 0.00 12 Apr 64 100"

6.85 +0.42 -0.02 14 " "

4.86 +0.41 0.00 18 May 64 100"

V153 14-23-55 +2350

A 9.018.17 +0.55 25mar 4460"

\$ 9.92 9.19 10.59 25mar 44

APS 9284 14 274 -04 01 1950

| | | | |
|-------|-----------------------------------|-------|-------|
| 6.95 | * 5.95 ^{9.55} | +0.38 | +0.01 |
| 7.06 | 6.06 | +0.43 | -0.02 |
| 7.01 | 9.56 | +43 | -01 |
| 7.05 | | +39 | -02 |
| <hr/> | | <hr/> | <hr/> |
| 7.02 | | +0.40 | -0.01 |

100
3 May 62
4
5
7

| | | | |
|---|-------|-------|-------|
| | 11.18 | +1.14 | +1.04 |
| * | 11.17 | +1.13 | +0.92 |
| | 11.12 | +1.12 | +1.02 |
| | 11.16 | +1.09 | +0.96 |
| | <hr/> | <hr/> | <hr/> |
| | 11.16 | +1.12 | +1.00 |

100
3 May 62
4 " "
5
7

F96 14 28.0 +21 30 0550

13.00 +0.08 +0.18 10 mo-4 2 100°

0059288B 14 27.7 432 011950

~~10.44~~ 10.84

~~10.44~~ 10.31 20 mcy 4.10'

11.44 10.94

11.33 70895 +0.525 2.160', 200''

6.06 70.00 -0.05 2,100'', 200''

AOS 9288 14 277 +32 01 1550

6.05 -0.03 -0.06 200 July 962
6.06 0.00 -0.05 25 June 63 " "

11.35 +0.90 +0.53 200 July 962
11.32 +0.89 +0.52 100 25 June 63

F-98

14 36.2 +27 43 6950

11.76 -0.02 -0.05 100" measurement

ADS 9352 AB 14 40.8 79 39 1963

V155 9.17 8.25 +0.55 20 May 64 100"

AB 9.15 8.45 +0.59 12 Apr 64 100"

9.13 7.28 +1.28 12 Apr 64 100"

9.08 7.31 +1.26 18 May 64 100"

10.02 9.22 +0.60 20 May 64 100"

C. 10.12 9.31 +0.57 12 Apr 64 100"

10.07 7.34 +1.24 18 May 64 100"

10.10 7.32 +1.31 12 Apr 64 100"

F97 14 33.8 t30 20 1950

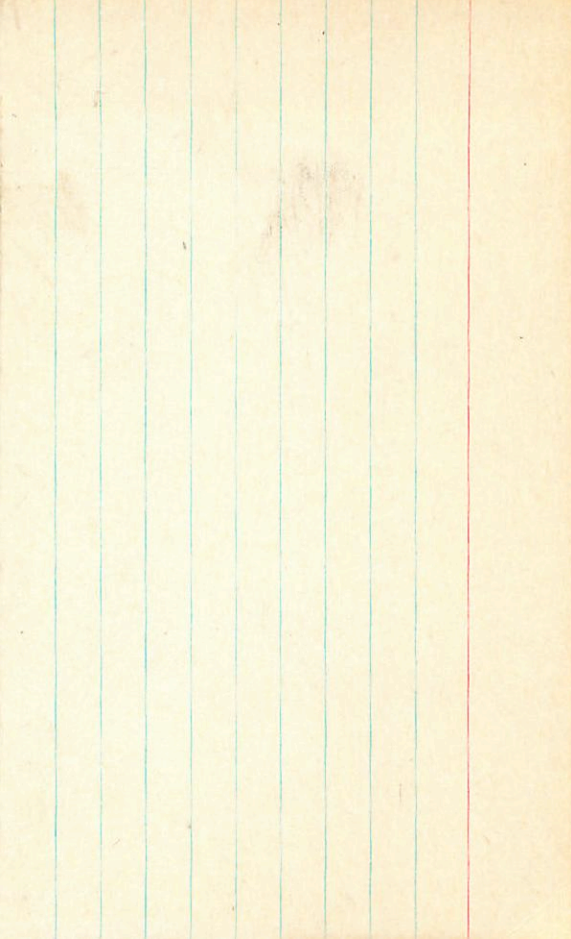
12.29 t0.06 t0.16 10member 2 100"

AD Boo 14 33.0 ± 25 05

0.508

9.38 ± 0.51 ± 0.03 (2) 2 mm 45

A 12.99 ± 0.58 ± 0.03



G-66-20 14 39.1 +6 41

-17

20 12.05 +1.50 +1.19 Jun 8 62 200"

17 14.26 +1.53 +1.06 Jun 8 62 200"

F100 14374 +1921 1550

11.50 +0.22 +0.15 100 10march2

AOS 9346

14

$$\begin{array}{r} 6 \\ 39.9 + 58 \\ 11 \\ 09 \end{array} 1962$$

| | | | | | |
|---|-------------|--------------|--------------|------------|-----|
| A | 7.40 | +0.93 | +0.64 | 5 July 62 | 200 |
| | 7.44 | +0.94 | +0.59 | 7 " " | " |
| | 7.46 | +0.92 | +0.65 | 16 July 63 | 200 |
| | <u>7.43</u> | <u>+0.93</u> | <u>+0.63</u> | | |

| | | | | | |
|---|-------------|--------------|--------------|------------|-----|
| B | 8.32 | +0.71 | +0.31 | 5 July 62 | " |
| | 8.36 | +0.75 | +0.23 | 7 " " | " |
| | 8.34 | +0.70 | +0.27 | 8 " " | " |
| | 8.35 | +0.71 | +0.29 | 16 July 63 | ave |
| | <u>8.34</u> | <u>+0.72</u> | <u>+0.30</u> | | |

H⁰2532 14 40.9 406 02

AB 10.40 +0.72 +0.09 8 May 62 100"
A 10.48 +0.76 +0.03 19 Jun 62 200"
10.47 +0.70 +0.10 14 Jun 64 200"

B 1336 +1.57 — 14 Jun 61 200"

17059378

14 43.6 +42 35 1950

| | | | | |
|----|-------------|--------------|--------------|----------------|
| | 7.33 | +0.45 | +0.03 | 60" 29 June |
| AB | 7.27 | +0.47 | +0.01 | 60" Apr 4 62 |
| | 7.27 | +0.48 | 0.00 | 3 |
| | 7.43) | +0.46 | -0.02 | |
| | <u>7.30</u> | <u>+0.47</u> | <u>0.005</u> | $\frac{7}{18}$ |

| | | | | |
|------------------|--------|-------|-------|----------------------------|
| C | 12.44 | +1.34 | +1.11 | 60" Apr 4 |
| | 12.51 | +1.39 | +1.26 | 27 June |
| | 12.47 | +1.35 | +1.30 | Apr. 3 |
| 12.46 | 12.64) | +1.34 | +1.04 | <u>12.46 + 1.34 + 1.18</u> |

F103 14 44.3 +11 52 1950

12.38 -0.16 -0.55 10 March 1951

AD59405 14 47.9 + 51 35 1550

6.51 + 0.40 000 20" 26 June

B 984 + 0.97 18.04 486
1,202 27 3 202" June 9 62 202" 10

29.04 + 0.62

98.5 + 0.98 =

98.6 29.04 + 0.62

RDS9392 14-46.9 +0608 6-7dfs-

6.86 +0.45 -0.01 12 Apr 64, 1000
6.85 +0.47 -0.01 18 May 64 1000

AL Boo

14 54.8

+46 34 1950

2
0.426

10.37 +0.60 +0.04

30 June 64 60°

9.98 +0.60 +0.02

Apr 4 62 60°

10.22 +0.62 +0.02

3

10.38 +0.63 0.00

2

10.0 } +0.62 +0.01
10.4 }

A 11.07 +0.55 -0.02 }
B 12.25 +0.50 -0.06 } 30 July 64
C 12.56 +0.58 +0.10 }

9.95 9.97 +0.23

1 July 64 60°

10.27 10.07 +0.25

2 " " "

F-105 14 53.1 +12 57 1950

2.59 +0.02 +0.05 100" 10mch 4~

14 52.0 +25 47 Fp 110 3
LTT 14419 11.00 +0.39

+2602621

11.00 +0.39 -0.21 202663009
11.00 +0.40 -0.21 21" " "

11.00 +0.40 -0.21

NW 12419 +0.43 +0.14 207663

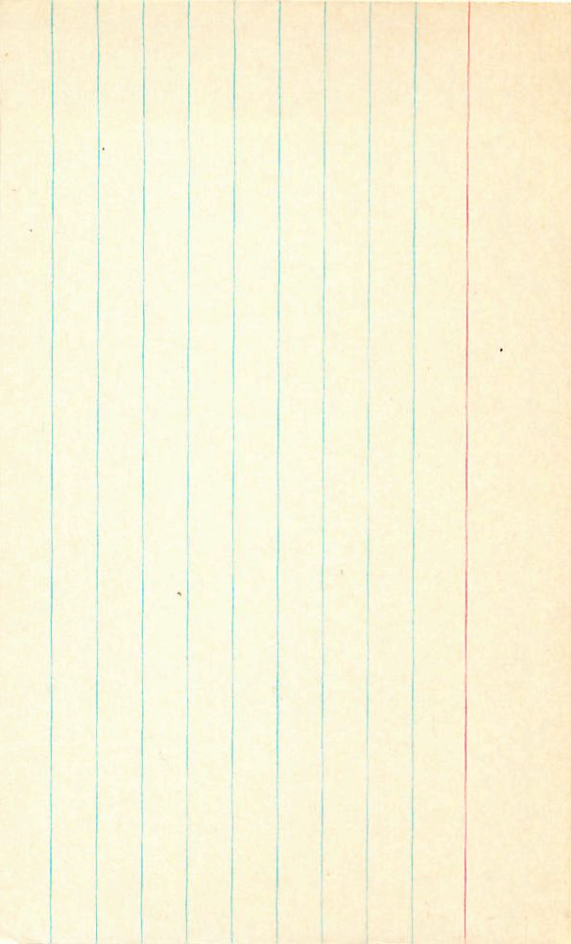
G136-28

14 5-2.8 + 14 15 1443

V157

10.20 + 1.49 + 1.15 25 2465 102

10.21 + 1.48 + 1.11 27 " " "



5542 ✓
ADS 9456 14 56.2 -10 57 1950

10.8
1.32
5.87 + 1.36 + 1.47 3 May 100 "
* 5.95 + 1.27 + 1.51 4 " "

10.13 + 0.85 + 0.52 7
10.14 + 0.99 + 0.50 100" 3 May
* 10.18 + 0.82 + 0.54 " 4
10.02 + 0.91 + 0.55 5

10.11 + 0.85 + 0.53

HR 5597 14 58.9 +47 28 1950

6.30 -12 -29 1 July) 64 200"
6.79 -14 -27 31 July)

A 6.37 -0.10 -0.22 60" Apr 4 62
6.36 -0.03 -0.30 3

6.33 -0.12
9.56 +46 -04 31 July 64 200"

B 9.58 +0.46 -0.04 60" Apr 4 62

9.54 +0.47 -0.04 3

9.55 +0.44 -0.06 1 July 64 200"

9.56

ADS 5477 1563 6.1 AP
14 59.3+47 26 8.55

58.9 25

6.29 -0.14 -0.27 31 July 64 200"
6.30 -0.12 -0.29 1 July

9.56 +0.46 -0.04 31 July 64 200"
9.55 +0.46 -0.06 1 July

AD59493 15 0.64 +5 41

B 7.37 +0.32 0.00 20 June 63 100"
7.36 +0.30 +0.01 21 " "

A 7.13 +0.30 +0.03 20 June 63 100"
7.13 +0.29 +0.02 21 " "

AD5 9479 14 595 B1 85 2- 0'35 2551

6.68

6.63 +1.24 +1.21

6.68 +1.25 +1.21 3 may 100

A 6.65 +1.22 +1.21 100 10 may 62

*6.74 +1.19 +1.21 11 4 may 62

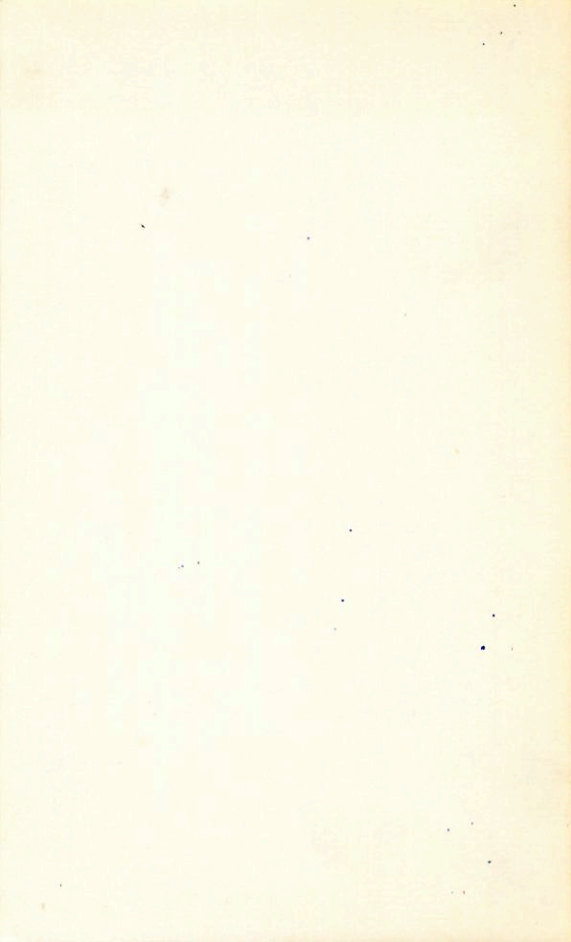
6.68 +1.22 +1.21

10.08 +0.85 +0.26 5 may

B 10.08 +0.74 +0.44 100 10 may 62

10.15 +0.85 +0.30 11 3 may

*10.05 +0.80 +0.39 11 4



T Z B00

1.18 9.31 10.49 +0.65 -0.05
1.23 9.31 10.54 +0.61 -0.05
1.31 9.32 10.63 +0.65 -0.01
~~1.14 9.31 10.55 +0.67 -0.04~~
1.49 9.31 10.80 +0.66 -0.01
1.42 9.31 10.73 +0.64 0.00
1.49 9.32 10.81 +0.66 -0.01
1.49 9.34 10.83 +0.65 -0.01
1.41 9.34 10.75 +0.63 -0.04
1.39 9.33 10.72 +0.62 -0.03

9.31 +0.69 +0.14
9.33 +0.67 +0.14
9.30 +0.69 +0.04
9.32 +0.69 +0.13
9.32 +0.68 +0.14
9.35 +0.65 +0.13
9.33 +0.67 +0.13

34

'6

TZB00 15 06.3 +40 10 191-0

d.30
0.30

~~9.58 +0.96 =~~

10.79 +0.67 +0.03 60" Apr 46 ~

10.44 +0.64 -0.02 3

10.67 +0.64 -0.02 2

10.55 +0.63 -0.01 30 mg

10.4 } +0.64 -0.01
10.8 }

CG Vin 15 02.4 404 36

10-106

d
0.41

10.67 40.47 0.00 1 July 62 100''
10.67 40.48 0.00 2 " " "

(Chart)

2013

0254

AP Ser

15 13 00

+10 03.5

10-9-11.3

+R

11.34 -481 823 +36

2.247 23:10 6 Aug 75

11.41 -450 803 50

2.204 23:30 7 Aug 75

11.41 -472 805 +42

2.213 23:25 8 Aug 75

11.38 -484 812 +56

2.226 23:30 9 Aug 75

11.37 -473 813 +73

2.194 23:55 10 "

1444 -385 9.01 -465

9 Aug 75

LP 135-154/5

15 10.4 + 56 371550

A 15.71 + 1.55 - 1.21 13 Jan 64 200"
15.76 + 1.56 - 5 Mar 64 200"
15.75 + 1.58 + 1.31 12 Jan 64 200"
15.74 + 1.56 + 1.26

-155 B 16.26 + 0.22 - 0.60 5 Mar 64 200"
16.24 + 0.24 - 0.57 12 Jan 64 200"
16.23 + 0.23 - 0.62 13 Jan 64 200"
16.24 + 0.23 - 0.60

4P Sec 15 ^{5d} 12.0 +10 08 1960

B (14.45 +0.61 +0.28) 1962/Jan ²⁰⁰¹
14.44 +0.59 +0.08 1962/Jan

Yard * 14.30 +0.62 +0.05 160" 4 May 62
14.29 +0.64 -0.02 5
14.39 +0.60 -0.05 200" 8 June 62
14.40 +0.57 +0.01 11 9 ""
14.22 +0.52 +0.08 V-manorby

14.36 +0.60 +0.00

AD59532 15 09.4 -19 37 1550

c bit

$$4.53 - 0.09 (1.36)$$

BC 9.57 +0.77 +0.36 10 March ⁴²/₁₀₀" 4 mag 62 100"
* 9.89 +0.72 +0.31 7 mag

~~10.27 +0.80 -0.24~~

9.80 +0.74 +0.33

1097

9.72 + 74

10.55
558

558
577

AP Sen

M. 30u 1600 -02

11.11
10.90
10.3

524

14.1 52

| | | | |
|-------|-------|-------|----------------------------|
| 14.34 | +0.57 | -0.04 | 13 Jun 64 200 ⁴ |
| 14.37 | +0.57 | -0.02 | 14 " " |
| 14.29 | +0.64 | -0.02 | 5 May 62 100 ⁴ |
| 14.39 | +0.60 | -0.05 | 8 Jun 62 200 ⁴ |
| 14.40 | +0.57 | +0.01 | 9 " " |

14.36
 14.36
 14.37
 14.38

E = +0.7

C = +0.645
 M.V. ~ 475
 S = +12

8.30

+2902648/9 15 15.5 +2859 } 1963
16.0 +2904

2649 9.07 +0.62 -0.05 20 Jan 63 100'
8.75 +0.60 +0.03 31 July 64 200''

2648 9.29 +0.58 +0.03 20 Jan 63 100'
9.20 +0.62 0.00 31 July 64

AD59580

15 14-9⁷

+10

³⁷
34

67FS¹³
8.4

7.06? must be

9.55

9.58

-713
9.10?

10.50

10.53

10.52
(8.02)

+0.505 -0.005

+0.51 -0.02

+0.50 -0.01

44 00

+0.64 +0.09

+0.63 +0.10

+635 +095

9 July 64 100⁴

9 July 64 100⁴

A05955) 15 13.2 +22 441

W9825 SpB 8.1d60 -29c

A
8.47 +0.56 +0.09 25 Jun 63 100"
8.48 +0.60 +0.09 18 July 63 200"

B
12.08 +1.23 ~~+22~~ 25 Jun 63, 100"
12.02 +1.27 +1.07 15 July 63 200"

Hyade - 11.11 +0.53 7 July 64 100"
- 11.11 +0.56 6 " " "

ADS 9573 15 15.4 +43 59 1550

A 9.58 +1.01 +0.73 12 Jan 64 2000²

S 9.37 +1.19 +1.12 10 Jan 64 2000²

AP059584B 15 17.3+0.55 1943

935

105

— 6.54 +0.63 8 July 64 100^h

9.18 +0.58 7 July 64 100^h

10.24 9.33 +0.60 / 6 July 64 100^h

12.95 5.06 +0.54 +0.06 5.87 5 M

10.11 +1.34 — "

9592

15 18.2

+3053

1950

18.6

51

8.5-8.7 8.6

9.85 +0.47 -0.03

16 July

9.83 +0.48 (+0.10)

P2 July 64 200"

9.87 +0.48 -0.03

5 July 64 100"

9.85 +0.48 = -0.03

10.10 +0.40 -0.10

16 July

10.09 +0.49 -0.02

12 July 64 200"

10.10 +0.51 -0.03

5 July 64 200"

10.10 +0.50 = -0.03

W 8870 15 18.¹/₅ + 29 ⁴⁸46 5.4967
9.5¹⁴⁷"

5.54 + 1.07 + 0.78 } 5 July 64 100"
10.56 + 1.31 + 1.39 }

~~ADS 9617 15 21.1 +30 28 1950~~

4.95 +0.58 +0.04 JK

AB 5.03 +0.62 +0.05 4 Apr 62 60"
4.94 +0.59 +0.02

4.98 +0.60 +0.04

C 13.34 +0.58 -0.01 4 Apr 62
13.36 +0.57 -0.06

13.35 +0.58 -0.04

AG-718/ 15 20.7 +25 47 7.5R11E
10.4 4"

7.21 + 1.40 + 0.96 } 5 July 64 100"
12.10 + 1.27 + 0.98 }

G151-61162/63 15 25.5 - 0.9 + 0

^{16.4}
 15.47 + 1.62 + 1.72 22 Aug 44 200"
 15.96 + 1.80 - 28 Sept 82 200"
 15.37 + 1.48 + 1.52 2 Aug 64 200"
 15.26 + 1.88 - 9 July 64 100"

 15.42 + 1.70 + 1.62

over

R-I = +1.38 R = 13.69 10 July 64 100"

~~2.55 + 0.92 + 0.61 9~~
 7.59 + 0.79 + 0.90 2 Aug 44 200"
~~7.48 + 0.86 + 0.64 28 26.65~~
 7.55 + 0.92 + 0.61 9 July 64 100"
 7.68 + 0.91 + 0.68 11 Mar 64 200"
 7.60 + 0.92 + 0.64 21 Mar 64 100"

7.58 + 0.61 + 0.65

R = 7.31 R-I = +0.32

10 July 64 100"

(6.2)

~~6157F~~

(63)

10.85 to 10.84 to 10.43 9 Aug 44 100"

10.84 to 10.82 to 10.44 21 April 6 100"

10.57 to 10.82 to 10.47 11 March 200"

~~10.84 to 10.44~~

10.90 to 10.82 to 10.45 (3)

7th June
A059706

15 33.1 +64 04 1950

7.46 +0.34 -0.09 July 7 62 200

9.79 +0.42 - July 7 62 200

ADS 9696

15 321 480 37

A

| | | | |
|--------|-------|-------|-------------|
| 6.61 | +0.66 | +0.08 | 17 May 2009 |
| (6.43) | +0.67 | +0.13 | Jun 10 62 |
| 6.66 | +0.65 | +0.05 | 60" 26 June |
| 6.73 | +0.67 | | |
| <hr/> | <hr/> | <hr/> | |
| 6.68 | +0.66 | +0.09 | |

B

| | | | |
|--------|-------|-------|---------------|
| (7.18) | +0.82 | +0.38 | Jun 10 |
| 7.43 | +0.81 | +0.28 | 60" 26 June |
| 7.46 | +0.81 | +0.33 | 60" 19 May 63 |
| <hr/> | <hr/> | <hr/> | |
| 7.45 | +0.81 | +0.33 | |

+1602791 15 28.5 +15 51 1993 17"

9.765 -10.1

-11.1 64"

-11.9 73"

+14/

9.93 +0.96 +0.60 A

10.53 +0.61 +0.04 B⁺¹⁰

12.67 +0.61 +0.02 C⁺¹¹

14.24 +0.70 +0.06 D⁺¹⁵

1.73

2.33

5 July 64 100"

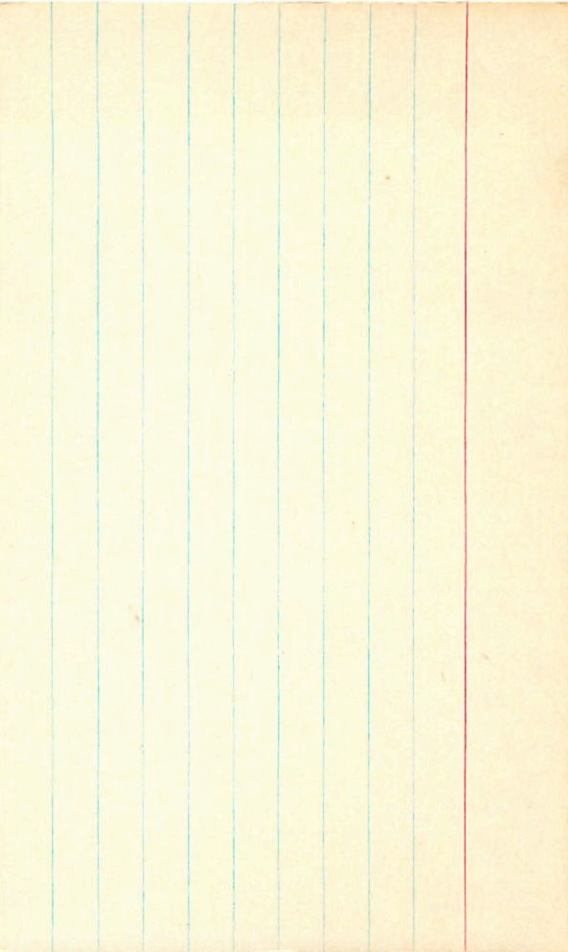
11.47

8.25

9.47

8.20

G151-62-63/41



ADS 5689 15 30.8 -24 21

AB

6.98 +0.27 +0.04

18 May 64 100%

7.09 +0.22 +0.08

25 Mar 64 200%

~~6.97 +0.27 +0.03~~

4 July 64 100%

7.02 +0.205 +0.05

IE

7.09 +0.34 +0.01

18 May 64 100%

7.16 +0.24 0.00

25 Mar 64 200%

7.06 +0.25 -0.03

4 July 64 100%

7.11 +0.255 -0.015

AP059689 15 30.9 -24 21 7543 ¹⁴⁴³
 $\left(\begin{smallmatrix} 8.07 \\ 8.0 \end{smallmatrix} \right) 9 " 300 \text{ } ^{\circ}$

A 6.98 +0.27 +0.04 18 May 64 100"

7.09 +0.34 +0.01 18 May 64 100"
BC

CC Ser 15 34.1 +15 42 1950

8.52

11.37 +0.36 +0.01 100" 20 June 63

D 10.32 +0.65 +0.14 20 June 11.10 +0.34 +0.06 100 2 20 June 63

10.34 +0.65 +0.14 21 June

10.32 +0.64 +0.14 25 June

11.38 +0.38 +0.06 " 10 months 2

11.35 +0.37 +0.04 100 3 May

A 13.70 +0.72 +0.29 20 June * 11.47 +0.40 +0.02 " 4 May

13.76 +0.69 +0.29 20 June

13.74 +0.70 +0.27 25 June

11.04 +0.38 +0.03 7

B 13.24 +0.85 +0.65 21 June 11.07 +0.39 +0.04 8 May

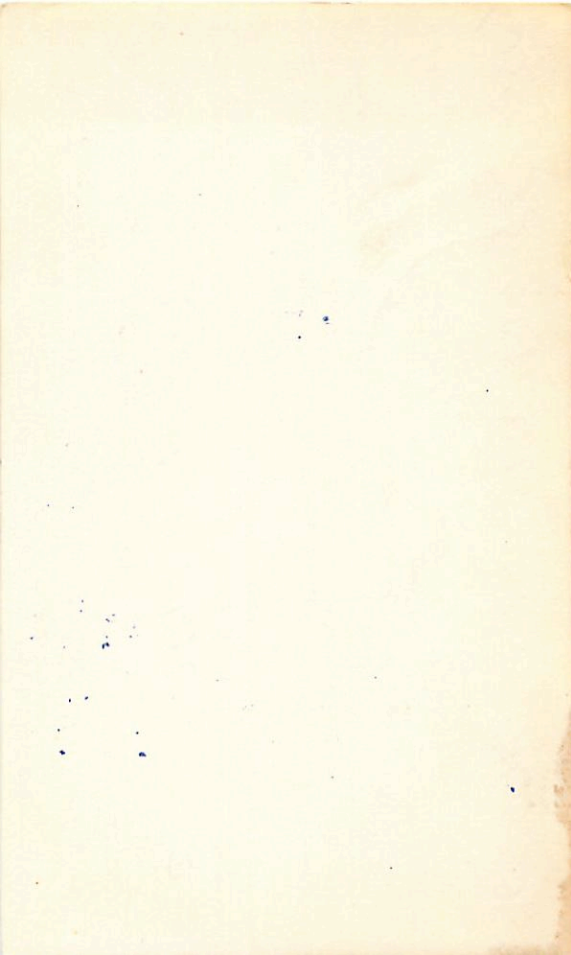
11.07 +0.38 +0.04
11.53 +0.38 +0.04

AD59716 15 343 +39 58 1950

225

AD 6.81 +0.92 +0.72 150 10 March 62
6.75 +0.95 +0.69 60" Apr 4 62
6.69 +0.94 +0.70
6.75 +0.94 +0.70

C 7.67 +0.97 +0.78 100 10 March 62
7.62 +0.98 +0.77 60" Apr 4 62
7.55 +0.97 +0.77
7.51 +0.97 +0.77



AD59728 . 15 36.0 - 8 38 1950

$\Delta m = 0$

AB 5.78 +0.51 -0.05 21 Jan 63 $100''$

A 6.48 +0.53 -0.04

6.47 +0.51 -0.03 22 July 64 $100''$

B 6.56 +0.54 -0.01

6.56 +0.52 -0.03 22 July 64 $100''$

+S⁰3080 15 44.0 +05 09 1943

3118 15 53.2 +05 11 1943

3114

~~242~~ +065

+S⁰3080 9.14 +0.83 +0.39 20 June 63 100"
~~242~~ +065 9.19 +0.83 +0.39 21 " " "

~~256~~ +035 +S⁰3118

8.59 +0.36 -0.05 20 June 63 100"
8.60 +0.39 -0.09 21 " " "

+S⁰3114 9.04 +0.50 -0.02 20 June

5776 15-43.4 10 10 19510
4965

8.16 +0.65 +0.15 25 Aug 63
4 . 8.18 +0.65 +0.13 26 Aug 63
8.15 +0.67 +0.12 27 " " 9
8.23 +0.66 +0.17 18 May
8.21 +0.64 +0.13 25 June
8.19 +0.655 +0.14

10.40 +1.13 - 25 Aug 67
10.56 +1.13 +1.01 25 June 63 100"
10.57 +1.13 +1.06 18 May 64 100"
10.56 +1.13 +1.0

B

A059799 4 15 47.6 +25 36 1942 37

A 8.64 +0.66 +0.21 June 28 62 100" 29
8.67 +0.66 +0.18 30
8.67 +0.60 +0.17

B 10.66 +0.82 +0.49 June 28 62 100" 29
10.67 +0.81 +0.46 30
10.66 +0.77 +0.43

3500
ADS9776

9778

3.67 +0.06 +0.07 A2 TB +0.67

9.96 +1.01 +0.76 4 200" +6.96

~~9776~~ 8.22 +0.65 +0.15 2 100" +0.04 +0.68 ^{2000-11 = 3.00}
+5.20

10.56 +1.13 +1.04 2 100" +7.56

R-I +0.41

OSM

AD59778 15 44.2 +15 34 1842

| | | | | |
|-----|-------|-------|-------|------------------|
| Epw | 9.23 | +0.66 | +0.17 | 18 May 64 100" |
| A | 8.21 | +0.64 | +0.13 | } 25 Jun 63 100" |
| | 8.16 | +0.65 | +0.10 | |
| B | 10.56 | +1.13 | +1.01 | } 18 May 64 100" |
| | 10.57 | +1.13 | +1.00 | |
| | 10.40 | +1.13 | +1.00 | |

B 10.58 - +0.41
20 May 64 100"

9.95 +0.99 +0.76
B (.10.51) (+1.05 +0.32)

July 9 62 200"
Jan 8 62 200"
29 62 100"

| | | | |
|-----|-------|-------|-------|
| Sub | 9.97 | +1.00 | +0.78 |
| PMW | 10.00 | +1.05 | +0.72 |
| | 9.93 | +1.00 | +0.77 |

July 7 62 200"
8 " "

9.97 +1.00 +0.70
9.97 +1.00 +0.70



9114

PNB

15-46.5 +28 19 5-8 C60.

| | | | |
|-------|-------|-------|------------|
| 11.10 | +1.54 | +1.58 | 16 July 62 |
| 10.45 | +0.90 | +0.15 | 17 " " |
| 11.42 | +0.95 | -0.04 | 1 Aug 62 |
| 11.41 | +1.00 | 0.00 | 2 " " |
| 11.40 | +0.98 | -0.05 | 3 Aug 62 |

HR 5656

HD 140722 15 44 03 -27 57 1945

7.13 } 0.4 FOIA
7.13 }

9.2 } 51" 2140

6.58 to 0.30 to 0.07 13 mag 67

6.65 to 0.28 to 0.10 10 "

6.56 to 0.30 to 0.09 "

6.60 to 0.29 to 0.09

9.41 to 0.78 to 0.45 10 mag 67

9.32 to 0.78 to 0.43 13 "

9.33 to 0.81 to 0.46 11 "

9.35 to 0.79 to 0.45

127 632

127

222
222

23
222
222

ADS 9838 15 53.4 +34 28 1942

7.14 +0.16 +0.17 60" 26 June
7.14 +0.15 +0.14 27 June
7.23 +0.02 +0.13 700 July 8 62

10.39 +0.76 +0.30 200 July 8 62
10.40 +0.79 +0.34 60" 26 June
10.42 +0.80 +0.34 27
10.49 +0.81 +0.27 700" July 7 62

PLB 15 47.0 728 14 1963

12.57

11.10 +6.54 +1.58 16 July 62

13.46

10.95 +0.90 +0.15 17 " "

11.42 +0.95 -0.04 1 Aug 62

11.41 +1.00 0.00 2 " "

11.40 +0.48 -0.05 3 " "

14.47 +0.40 -0.17 8 July 64 100" 54 0.00
14.28 +0.39 -0.20 9 July 64 100" 14.61 +0.54 -0.00
14.28 +0.53 +0.03 14.28 +0.53 +0.03

14.50 13.86 +0.95 6 July 64 100"

13.40 +0.96 10 July 64 100"

14.58 +0.50 -0.19 12 July 64 100"

AD598.5 15 54.8 +03.33 1550

9.26 +0.22 +0.13 July 962 200

8.90 +0.50 +0.07 July 962 200

Answer

11.30 +0.87 +0.40

11.19 +0.88 +0.41

11.16 +0.89 +0.43

11.15 +0.88 +0.46

11.14 +0.86 +0.47

11.07 +0.88 +0.46

11.04 +0.88 +0.43

July 18 1963 100⁴

6-152-84 15 56.1 -09 01 '83

14.74 + 0.04 - 0.62 2 July 64
14.85 + 0.15 - 0.62 5 July 64 100"
14.79 + 0.09 - 0.65 6 July 64 "

122563

14.80 + 0.09 = 0.63
→ 14.41 + 1.56 - 5 July 64 100"
14.35 + 1.53 - 4 " " "
14.29 + 1.58 - 3 " " "

~~→ 14.35~~ + 1.56
12.04 + 1.05 3 July 64 100"
13.09 + 1.01 6 " " "

12.91 + 1.03 7 " " "
→ 13.03 + 1.03 + 10.7

~~All Ser 15 54.6 +22 22 1950~~

✓ 11.57 +0.66 +0.13 100" 25 June 62

11.68 +0.52 +0.16 100" 28 May 62

✓ 11.50 +0.68 +0.17 100 30 " "

11.29 +0.92 +0.20 " 28 June 62

✓ 11.54 +0.68 +0.17 100" 29 June 62

✓ 11.52 +0.64 +0.14 100 30 " "

11.66 +0.53 +0.14 " 1 July 62

16795

AB

| | | | |
|---------|-------|------|-----|
| 185-176 | 336.8 | 1.51 | 10E |
| 1874.10 | 342.1 | 1.56 | 4Δ |
| 89.58 | 342.1 | 1.28 | 3β |
| 98.89 | 342.8 | 1.20 | 3Hm |
| 47.82 | 346.7 | 1.08 | 5VB |

AC

1849.64 269.275,77 50E

~~70.71~~ 227:

69.69 269.1 75.74 4B

89.59 269.0 75.53 2β

98.76 269.0 75.75 3Hm

194.38 269.2 75.70 4704, ...

2208

AE

1870.74 113.9 43.34 3Δ

98.89 114.8 42.96 3Hm

AF 1870.74

ADS 9910

16 Oct. 62 - 11 14 1950

* A

7.47

+ 73

+ 33

4 May 62^{100"}

7.33

+ 79

+ 35

5

7.40+ 0.76+ 34

7.46

+ 0.74

+ 29 → Joh

* B

8.04

+ 85

+ 56

4 May 62 100"

7.91

+ 90

+ 56

5

8.00+ 87+ 56

8.03

+ 84

+ 51 → Joh

* 9909C

7.34

+ 69¹⁰

+ 27

4 May 62 100"

7.20

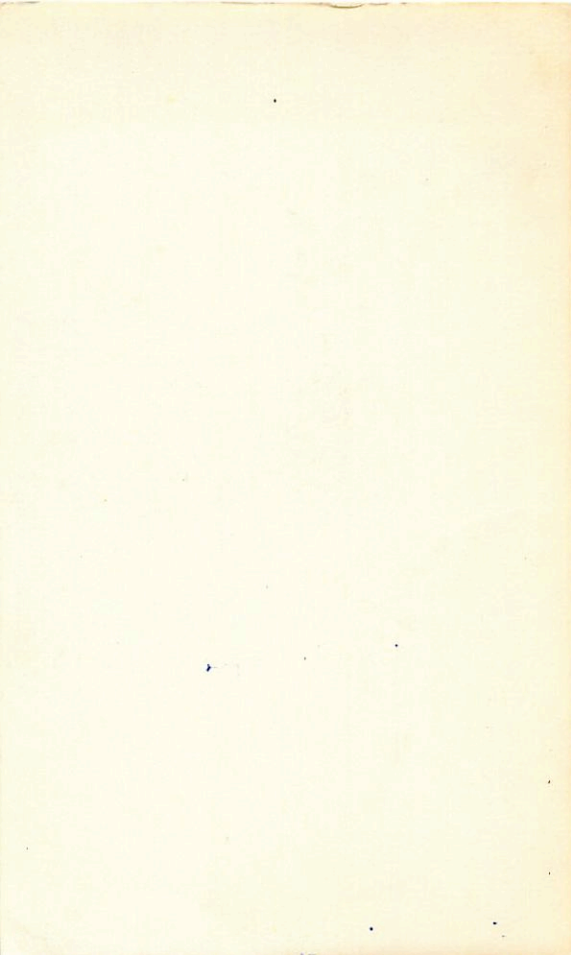
+ 84²¹⁰₇₀

+ 22

5

7.30+ 57+ 39

9 June 200"



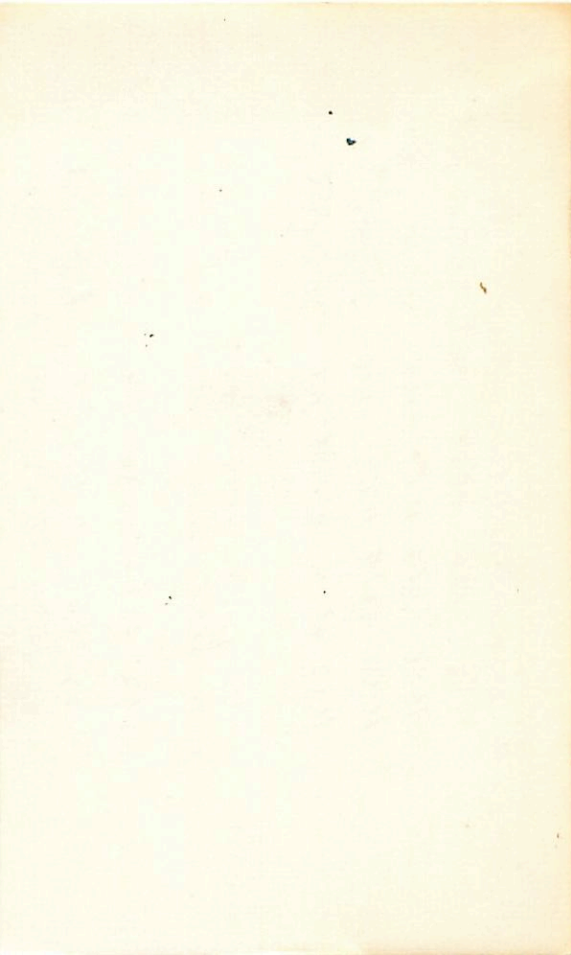
6-180-27 16 03.1 +39 18

14.22 +1.64 +1.28 21.46 10.11

Au Sn A' 11.59 +0.65 +0.19 100 21 Jun 63
 11.57 +0.64 +0.13 100" 25 Jun 63
 11.50 +0.68 +0.17 100 30 May 62
 11.54 +0.68 +0.17 100 29 Jun 62
 11.52 +0.64 +0.14 100 30 Jun 62
 11.58 +0.65 +0.18 100 20 Jun 63

B(Van) 10.98 +0.87 +0.45 100 25 Jun 63
 10.90 +0.85 +0.47 100 21 " "

A 12.93 +0.82 +0.36 100 25 Jun 63
 12.95 +0.81 +0.40 100 28 Jun 63
 12.91 +0.79 +0.42 100 20 Jun 63
 12.97 +0.83 ~ ~



HR 599/0

7.16 +0.32 - 5 July 67

1965

HD 144667/8 16 05.2 -38 58

7.19 +0.37
 7.17 +0.37 +0.31
 7.07 +0.33 +0.30
 7.37 +0.38 +0.12
 7.04 +0.30 +0.27
 6.96 +0.34 +0.02

4 July 67
 2 July 67
 13 May
 18 Mar 67
 10 May
 14 May

60" } 6.95 -0.17 A0
 } 6.90 -0.53 A0

S

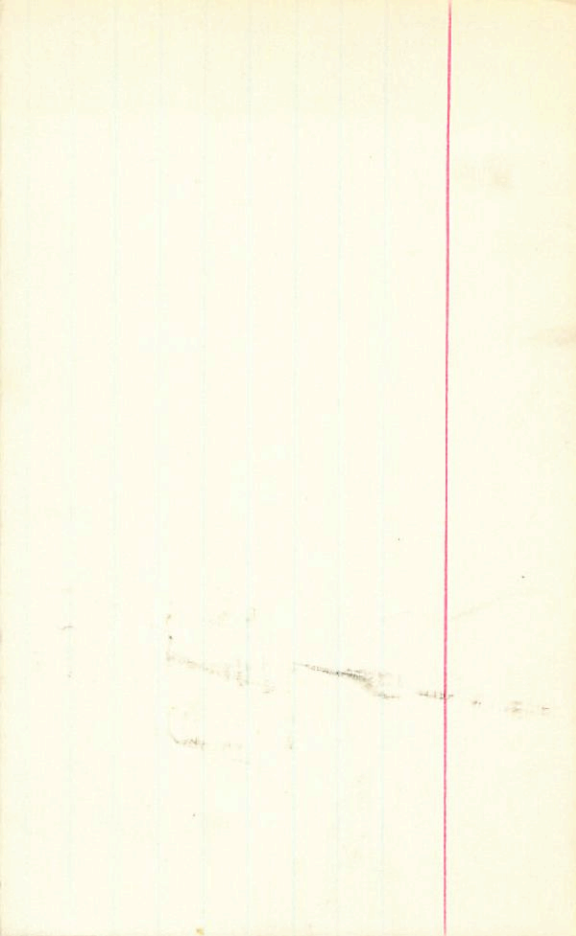
6.66 -0.06 -0.43
 6.78 -0.09 -0.39
 6.66 -0.10 -0.37
 6.74 -0.09 -0.38
 6.63 -0.06 -0.43
 6.70 -0.06 -0.43

18 Mar 67
 10 May
 11 "
 13 "
 2 July 67

10 May 6.96 +30 +27
 11 7.00 +34 +0.2
 13 7.00 +33 +30
 18 7.41 +38 +12
 2 July 7.24 +37
 4 "
 5 7.17 +32

4 July 67 6.69 -0.07 -0.42 5 July

N



Case 2 16 Oct 7 +42 13 1950

13.91 0.00 -0.53 13 July 63 200''
13.82 +0.13 -0.55 5 Mar 64 200''

N 13.96 +0.72 +0.27 13 July 63 200''

S 14.25 +0.58 +0.02 13 July 63 200''

AOS 9918 16.03.1 -06.09 1950

AB 6.31 +0.44 -0.05 July 9 62²⁰⁰

C 11.31 +1.09 +0.85 July 9 62²⁰⁰

D 11.87 +1.32 +1.12 July 9 62²⁰⁰

~~AD59954 14 09.8 +12 02~~

8.49 +0.30 +0.08 14 July 63 200^f
8.52 +0.31 +0.09 15 " "

9.66 +0.50 0.00 14 July 63 200^f
9.68 +0.51 -0.01 15 " " "

G138-8

16 09.1 +13 30

.59
1950

15.10 +0.23 -0.65

5 March 2008

4055984 14 13.8 -0.1 32 1950

7.08 +0.50 -0.01 25 June 63^{100'}

11.12 +1.30 +1.35 25 June 63^{100'}

ADS10031 16 21.0 +32 27 1950

A 6.44 +0.11 +0.16 4 Apr 62 60"

6.39 +0.09 +0.12 3

6.40 +0.10 +0.14

B 9.76 +0.88 +0.43 4 Apr 62

9.72 +0.84 +0.42 3

9.74 +0.87 +0.42

♂ SLO

79⁶
3 -25 29 1950

8.53 +0.44 +0.14 | 8 July
8.5472 +0.33 -0.05 | 5 July 200

* ♂ 8.52 +0.27 +0.23 4 May 100

8.37 +0.38⁶ -0.02 7

8.26 +0.36⁴ +0.23 200" June 8 62

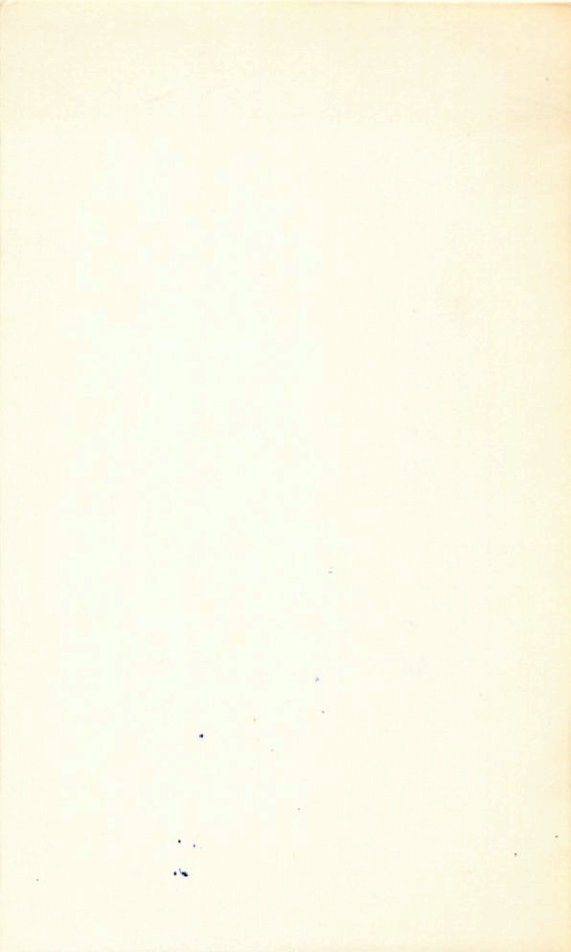
8.47 +0.25⁷ +0.39 " 9

~~8.36 +0.52 - 11~~

8.40²¹⁹ +0.32¹⁰⁶ +0.23

16 -24
22 -08

$A - V_0 = -0.8$ -0.97



6770-3 14 15.1 -15 28

13.35 -0.14 -1.08 18 May 64 100"
13.52 -0.20 -1.03 27 Mar 64 60"

13.640 -0.20 -1.06

10096 16 28.4 +18 24 1950

10099 18 28.5 +19 25 1950

10096A 10.27 +0.74 +0.17 23 Aug 63 200"

1032 +0.77 +0.24 25 " " "

10.30
10.31 +0.77 +0.25 27 " "

B 10.43 +0.77 +0.40 28 Aug 63 200"

10.44 +0.78 +0.37 28 Aug 63 "

10.46 +0.79 +0.33 26 " "

10.45 +0.78 +0.36

W9493 B

16 28.6 +21 34 28

(443

B/Ba

100 } 256" 2770

2.81 + 0.55 + 66

11.14 + 0.54 0.00

4 July 44 100"

16077 16 27.5 +10 41 1942

984 7.57 +0.92 +0.62 25 Jun 63¹⁰⁰
A 7.64 +0.93 +0.59 23 Jul 63¹⁰⁰
7.60 +0.95 +0.62 22 Apr 63 200
7.60 +0.93 +0.61

dfz 9.60 +0.45 +0.06 25 Jun 63¹⁰⁰
B 9.62 +0.46 +0.05 23 Jul 63¹⁰⁰
9.50 +0.47 +0.11 22 Apr 63 200
9.60 +0.46 +0.07

10105

16 30.6 +45 41

1962

| | | | | | |
|---|------|-------|-------|-------------|------|
| A | 5.71 | +0.12 | +0.13 | 60" 26 June | } 6- |
| | 5.51 | +0.23 | -0.06 | " 27 " | |

| | | | | |
|---|------|-------|-------|-------------|
| B | 8.89 | +0.61 | +0.04 | 60" 26 June |
| | 8.87 | +0.61 | +0.04 | " 27 " |

8.85⁶⁵
 +0.61
 +0.02

| | | | | |
|------|-------|-------|-----|-------------|
| 8.85 | +0.57 | 0.00 | 200 | July 8 1962 |
| 8.94 | +0.65 | 0.00 | " | " 6 " |
| 8.89 | +0.62 | -0.04 | " | " 7 " |
| 8.91 | +0.62 | +0.05 | 100 | " 13 1963 |
| 8.83 | +0.62 | +0.04 | " | " 14 " |
| 8.88 | +0.60 | +0.03 | " | " 15 " |

10099 AB

9.56 +0.77

(+1.23)

28 Aug 63 200"

9.58 +0.76

+0.30

25"

9.60 +0.77

+0.30

27"

9.58 +0.77

+0.30

C

12.27 +0.50

(+0.07)

23 Aug 63 200"

12.31 + 58

+ 0.2

25"

12.32 + 59

+ 0.1

27"

12.30

+0.58

+0.2

1243
+80 3215/14 14 29.5 +0.8 22 7-22 25
9-10-5-594

~~6-96~~
7-12 7.05 +0.37 3 July 64 100"
7-01 +0.92 +0.61 5 " "
~~6-66~~ +0.90 +0.60 9 " "

8-13 8.53 +0.28 3 July 64 100"
8-29 +0.61 +0.08 5 " "
8-26 +0.57 +0.07 9 " "

AB + 200887 " -036 +036 } GAC
D + 200888 " -038 +032 }

10140 16 36.8 +69 52 1962

8.06 8.06 +0.41 -0.02 60" 26 June
8.02 8.02 +0.44 -0.01 27 June

~~7.90 10.12 0.00 2005 July 24 3~~

(11.) 12.12 +0.57 - +0.06 200 Aug 29

10.96 +0.58 -10.85 60" 26 June

10.99 +0.56 +0.14 60" 26 June

11.00 chuo 11m cp 0.75 Basin 5.0.40, +0.07
4.5 A 185,199

8.00 8.00 +0.33 +0.07 60" 27 June

8.03 8.03 +0.31 +0.06 60" 26 June

2nd Sur

10140

AR 7.90 + 0.42 0.00 13 July 63 200"
8.00 + 0.43 + 0.01 14
8.01 + 0.44 - 0.01 15
8.00 + 0.43 + 0.01 16
8.00 + 0.43 0.00

11.01 10.57 + 0.05 11.02 (+ 0.44) + 0.05 13 July 63 200"
+ 0.05 11.00 + 0.57 + 0.06 14
11.02 + 0.60 + 0.05 15
11.00 + 0.56 + 0.05 16

7.94 + 0.33 7.87 + 0.33 + 0.06 13 July 63 200"
+ 0.6 7.97 + 0.33 + 0.07 14
7.98 + 0.32 + 0.05 16

ANS 10149 16 38.2 +4 19 1550

36/37 112

5.78 -0.01 -0.08 Tablet

A 5.63 +0.01 +0.01 100" counter

B 6.80 +0.15 +0.15 " " " "

6.93 +13 +08 Tablet



ADS1015² 16 38.4 +60 48 1950

uv dia

| | | |
|------------------|-----------------------------|----------------|
| | (8.63 +0.73 +0.18) | 11 |
| A | (8.59 +0.71 +0.24) | June 8 62 200" |
| 8.60 +0.72 +0.21 | 9.15 +0.82 +0.25 | 9 |
| 9.49 +0.97 +0.43 | 9.49 +0.97 +0.43 | July 7 62 " |
| 9.32 | 9.67 +0.56 +0.02 | July 7 62 200 |
| 10.2 | 9.67 +0.53 +0.08 | June 8 62 200" |
| | 9.84 +0.97 +0.62 | |
| 967 | 9.67 +0.57 +0.07 | 9 |
| +0.57 | 9.64 +0.57 +0.03 | 11 |
| +0.05 | | |

$$\Delta m_B = 1^{\text{mm}}$$

| | V | B | W |
|--------|------|-------|-------|
| B(2) = | 9.49 | 10.46 | 10.88 |
| | 8.60 | 9.32 | 9.53 |
| ① | 9.24 | 9.78 | 9.89 |

AV
+4.40
+465

$$\begin{array}{r} \textcircled{1} \quad 9.74 \quad +0.54 \quad +0.11 \quad -0.4 \\ \textcircled{2} \quad 9.49 \quad +0.97 \quad +0.43 \end{array}$$

S=+05
B.V. corr
AV
+0.61
+4.83

$$B \quad 9.67 \quad +0.57 \quad +0.05$$