

AD5558 B '00 3820 +21 14 1993

B 7.73 +0.40 -0.03 6 Aug 64 2000  
8.62 +0.39 -0.02 3 Aug 64 2000

A 5.36 +1.16 +1.05 3 Aug 64 2000

AD5548 0 36.6 +30 35 1950  
SAND

B 12.40 +1.47 ~ 4 Sept 62.00"

151  
L11

589.21  
L11  
L11  
518  
L11  
L11  
L11

589.21  
155  
155  
1085  
L11  
151

4.39

-0.11

-0.53

26 cent

ADSSB 0 34.2 +33 27 1950

4.35

-0.14

-0.58

25 cent

30 Sept 62 100"

4.30

-0.15

-0.58

24 cent

29 Sept 62 100"

3.40

-0.18

-0.58

26 cent

5 Sept

8.60

+0.21

+0.05

4 Sept 62 100"

30 Sept " "

8.45

+0.24

+0.11

25 cent

24 Sept

8.66

+0.15

+0.12

4 Sept 62 100"

30 Sept " "

8.50

+0.19

+0.10

24 cent

25 cent

8.63

+0.16

+0.06

4 Sept 62 100"

30 Sept " "

8.60

+0.20

+0.07

4 Sept 62 100"

30 Sept " "

13.03

+0.55

-0.07

5 "

26 cent 62 100"

12.83

+0.59

-0.25

29 Sept 62 100"

30 Sept " "

13.01

+0.50

+0.01

26 cent 62 100"

29 Sept 62 100"

13.167

+0.59

-0.11

30 Sept " "

24 cent " "

13.01

+0.52

-0.13

24 cent " "

24 cent " "

89 177  
 73  
 889  
887  
 381  
 737

23068  
            
 451  
 951  
951  
 381  
 451

381  
 417  
 622

QDS47 0 02.4 +30 03 8.4 F=0<sup>1950</sup>

7.78 +0.43 +0.07 14.2363100<sup>9</sup>

9.38 +0.51 +0.06 14.2363100<sup>9</sup>

ADS 42

00 02.4 +26 22 1950

~~7.35 +0.17 +0.15 12 Dec 63 100'~~  
~~6.25 +1.40 +1.59 14 " " "~~

10.71 +1.02 +0.80 12 Dec 63 100'  
10.74 +1.03 +0.77 14 Dec 63 100'

+25

BY Cas ~~24~~ 00 51 157 27 1950

14.4 - 14.6  
0.48

13.2 +0.83 +0.32

5.8 18 -01 +63 +4.9 8.3

68 +21 +0.2  
+5.3

13.19 +0.85 +0.33 2 Jan 62

13.46 +0.95 +0.31 29 Aug 62 200"

73 +27 +0.5

13.19 +0.84 +0.30 31 July 64 200"

+75 +5.75

13.68 +0.80 +0.33 2 Aug 64 200"

63 19 -01  
+4.9

B 16.57 +1.21 +1.28 2 Aug 64 200"



$$6-130-48/49 \quad 0 \quad 6.7 \quad +25 \quad 0.4$$

$$7.77 \quad +0.66 \quad +0.14 \quad 25 \text{ Oct}$$

$$7.76 \quad +0.71 \quad +0.18 \quad 26$$

$$\underline{7.77} \quad +0.68 \quad +0.13 \quad 27$$

$$\underline{7.77} \quad +0.68 \quad +0.15$$

$$11.48 \quad +1.36 \quad +1.25 \quad 25 \text{ Oct }^{100}$$

$$11.43 \quad +1.41 \quad +1.27 \quad 26$$

$$\underline{11.46} \quad +1.38 \quad +1.22 \quad 27$$
$$\underline{11.46} \quad +1.38$$

13.97      +2.8   +6.4   +14   +04   +0.75   +5.7   97  
~~MR Cas      0   09.5   +57   49   1950~~

84 29

14.5-15.3  
 0.86 15.1

14.02 +0.95 +0.38 200" 2 Jun 62

14.31 +0.97 +0.33 200" 8 Jun 62

14.06 +0.92 +0.37 200" 31 May 64 <sup>200"</sup>

E S C m.v. m.m

14.0 +0.95 +0.36 10 +05 +0.64 +5.3 7.8

HR 28 0 07.4 +56 52 B8 6.47 -0.08 -0.42 Crow +0.07

HD 593 0 07.7 +59 22 B1E 6.69 +0.03 -0.75 Hill. +0.30 6.7

HR 90 0 21.5 +57 44 B5E 5.59 -0.02 -0.20 20 +0.08 8.5

A 14.14 +0.89 +0.32 31 July 64 200" 7.3

HR 153 00 34.2 +53 37 B2E 3.64 -0.20 -0.80 2, 20 +0.5 6.5

HR 179 00 39.3 +50 14 B2E 4.79 -0.12 -0.60 Crow +0.5 7.5

1.42  
 1.84  
8.52  
 3.6  
 1.42  
 2.64  
 2

3.04  
 1.24  
18.36  
 1.84  
 3.04  
 1.60  
 5.04

2.73  
 1.14  
2.438  
 4.58  
 4  
 3  
 10.4578

18.6  
3.36  
 1.14  
 1.14  
 5.58  
 5.58  
62.406

40187 00 09.8 +23 14 1967

8-74 +0.43 +0.03 9 July 64 cor "

AD5191      0      <sup>12.4</sup>~~13.0~~      +0.8      33      1950

6.00      +0.29      +0.02      30 Sept

5.95      +0.34      +0.04      5 Sept 62 100

6.05      +0.32      +0.04      4 Sept 62 100"

6.03      +0.31      +0.04      29 Sept 62 "

6.01      +0.315      +0.04

7.68      +0.40      -0.05      4 Sept 62 100"

7.66      +0.38      -0.02      5 " "

7.60      +0.43      -0.04      29 Sept 62 "

7.55      +0.39      -0.05      30 " "

7.62      +0.40      -0.04

7.81 8.22 8.10  
7.14 7.79 7.91  
6.67 7.22 7.25

161 00 10.8 +26 48 1950

AB 6.31 +0.65 16 Aug 300  
6.30 +0.64 +0.33  
6.30 +0.31 +0.34  
6.30 +0.65 +0.31  
6.30 +0.65 +0.33

C 10.41 +0.63 16 Aug 300  
10.36 +0.62 +0.09 17 " " "  
10.33 +0.64 +0.08 18 " " "  
10.37 +0.63 +0.09

MS 238 0 14.8 708 36 1350

~~6.66~~  
6.67 +0.61 +0.07 26 Oct 62 100"  
+0.62  
ABC 6.64 ~~6.67~~ -0.1 4 Sept 62 100"  
6.67 +0.55 +0.03 29 Sept 62 100"

7.18 +0.71 +0.18 2 Oct 62 100"  
7.17 +0.66 +0.12 29 Sept 62 100"  
7.12 +0.04 +0.12 30 Sept

E 7.51 +0.41 -0.12 30 Sept  
7.77 +0.45 -0.07 28 Dec 62  
7.77 43 0.09



14  
5  
1  
2  
3  
4

ADS217 0 13.9 +29 01 1950

A 8.25 +0.99 +0.68 12 Dec 63 100<sup>th</sup>  
8.21 +1.04 +0.64 13 " " "

B 9.73 +0.22 +0.10 12 Dec 63 100<sup>th</sup>  
9.66 +0.25 +0.10 13 " " "

ADS 215

OU 14.3

+43

1463

2.7 6.1 A0

8.8 9"

6.15 +0.05 +0.03

31 July 64 200"

6.15 +0.05 +0.03

3 Aug

10.24 +0.73 +0.20

31 July 64 200"

10.18 +0.67 +0.18

3 Aug 64 200"

ADS222 50 148 761 178 58984 204  
R.

B 12.48 +1.52 +1.24 23Dec63 204

A 5.72 +0.93 +0.59 4Dec63 60"

130-59/60    0    12.6    +24    38    1950 (-59)

0    14.3    +24    04    1950 (-60)

<sup>146</sup> 14.57 +0.83 +0.50 25 Oct 62 100<sup>1311</sup>  
59

14.34 +0.94 +0.45 26

14.55 +1.00 +0.36

→ 14.48 +0.92 +0.44

60    13.69 +1.50 +1.21 25 Oct 62 100<sup>11</sup>

→ 13.62 +1.58 +1.21 26  
13.64 +1.54 +1.21

7.16 7.83 7.97

7.81 8.22 8.10

44 55 70

667 725 727

6.67 158 102

237

00 14.8 +16 14 1950

8.74	+0.64	+0.13	18 .. ..
8.78	+0.63	+0.15	17 " " "
8.80	+0.64	+0.15	16 Aug 63 100"
8.76	+0.64	+0.14	15 July 63
8.74	+0.61	+0.14	14
<u>8.78</u>	<u>+0.635</u>	<u>+0.14</u>	

9.78	+0.69	+0.18	18 July 63
9.81	+0.64	+0.19	19
9.74	+0.66	+0.18	16 Aug 63 100"
9.81	+0.66	+0.19	17 " " "
9.81	+0.67	+0.18	18 " " "
<u>7.80</u>	<u>+0.665</u>	<u>+0.18</u>	

293 00 18.4 464 1550

AB 7.22 +0.02 -0.11 23 Aug 63 200"  
7.24 +0.02 -0.11 24 " " "

2 10.09 +0.45 -0.04 23 Aug 63 200"  
10.23 +0.45 -0.05 24 " " "



F-4 00 18.1 +13 40 1943

15.22 -0.12 -0.97 24 Oct 63 (10)°

cut 0 16.9 -9 06 1950

12.82 +0.77 +0.39 25 cut

B (12.98 +0.64 (+0.06) JSVT 42100

12.88 +0.79 +0.28 29 " "

12.91 +0.77 +0.32 24 cut " "

S) 10.48 +0.84 +0.35 24 cut 42

25.9

22 1950

126 00 28.5 -10 22 1943

6.88 +0.20 +0.12 18 July

A 6.87 +0.20 +0.09 1943 Aug 16 100

6.83 +0.22 +0.11 " " 17

6.85 +0.20 +0.10 " " 18

6.86 +0.20 +0.105

8.45 +0.63 18 July

B C 8.45 +0.62 +0.09 " Aug 16

8.43 +0.63 +0.11 " " 17

8.42 +0.62 +0.08 " " 18

8.43 +0.62 +0.095

409 00 27.1 +20 01 1550

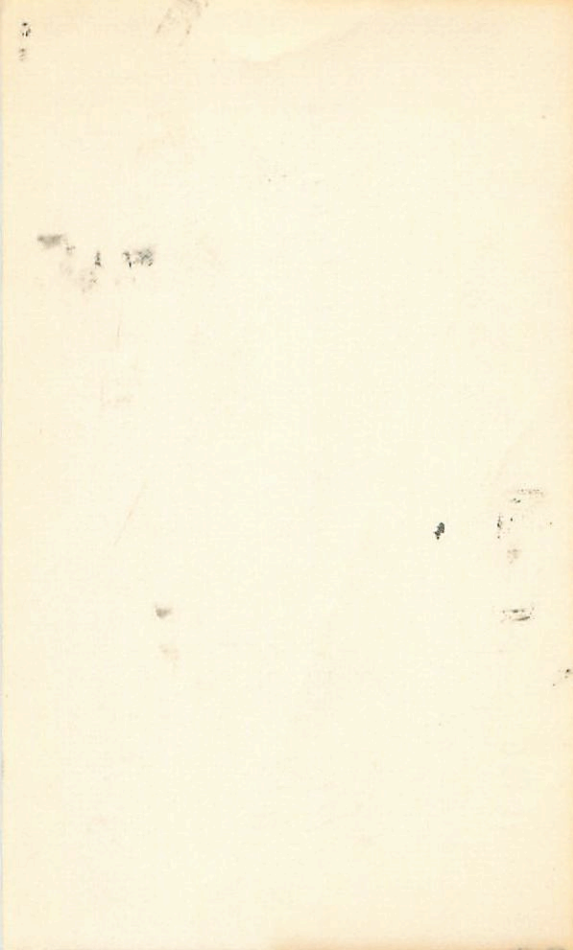
10.11 +0.59 +0.08 28 Oct 00"  
ARB 10.11 +0.56 +0.04 16 Aug 63  
10.10 +0.55 +0.03 18"

C 12.47 +0.76 +0.33 16 Aug 63  
12.35 +0.76 +0.34 18"  
12.34 +0.74 +0.37 28 Oct 100"

LTT 10130      20.4 +23 41 1963      by 10  
Puccido BD+20 44 (8.8120)

11.61 +0.40 -0.23      16 by 63 100"  
11.60 +0.39 -0.24      17 10" "

6-83-46      12.50 +0.90 +0.33



ADOS 455 00 30.9 428 03

6.75 63  
10.7 9"

6.38 +1.02 +0.75  
6.22 +0.99 +0.71

1 Aug 64 200"  
3 Aug 64 200"

11.24 +0.88 +0.41  
11.23 +0.81 +0.42  
11.12 +0.81 +0.41  

---

11.21

1 Aug 64 200"  
6 " " "  
3 Aug 64 200"

439

00 29.2 +36 41

A 8.15 +0.89 +0.42 14 July 63<sup>200</sup>"  
 8.24 + 88 + 41 27 Aug 63 200

B 11.46 +0.70 +0.05 14 July 63<sup>200</sup>  
 11.46 +0.69 +0.06 27 Aug 63 "

12.74 +0.84 +0.31 27 Aug 63 200  
 C 12.57 +0.85 +0.21 14 July 63 200  
 12.64 +0.93 +0.43 23 Aug 63 200

\$ 10.80 +0.41 +0.04 27 Aug 63  
 10.75 +0.41 +0.03 23 Aug 63 200 "



1963  
HD 2665 00 28.7 +56 48 24216-

291 km/hr

7.72 +0.74 +0.15 29 June 4 600  
7.73 +0.80 +0.15 30 .. ..

$$\begin{array}{r} +0041 \\ - \quad 2 \\ \hline +0039 \end{array}$$

+1.03

$$\begin{array}{r} -193 \\ -338 \\ \hline -531 \end{array}$$

1.0

$$\begin{array}{r} +858 +130 +497 \\ -506 +040 +861 \\ -082 +441 -095 \end{array}$$

$$+1338 -0388$$

$$-0789 -0119$$

$$-0128 -2959$$

$$+0950$$

$$-0908$$

$$-3086$$

$$-1943$$

$$-336.6$$

$$-37.1$$

475 0 31.9 -4 49

$\begin{array}{r} 7.01 + 0.74 + 0.33 (+0.26) \quad 29 \text{ Dec} \\ \text{AB } 7.02 + 0.73 + 0.34 \quad 28 \text{ Dec } 62100' \\ 6.99 + 0.71 + 0.29 \quad 27 \text{ Dec } " " \\ 7.01 + 0.74 + 0.32 \quad 28 " " \\ \hline 7.01 + 0.73 + 0.30 (4) \\ \text{C } 9.29 + 0.54 + 0.06 \quad 28 \text{ Dec } 62100' \\ 9.26 + 0.54 + 0.04 \quad 27 \text{ Dec } 62100' \\ 9.25 + 0.58 + 0.09 \quad 28 " " \\ \hline 9.28 + 0.56 + 0.09 \quad 29 " " \\ \hline 9.27 + 0.57 + 0.07 (4) \end{array}$

ADS 6/8 0 30.0 +45 32 1550

$$AB \quad \Delta m_V = 0.14$$

$$\Delta m_B = 0.07$$

$\checkmark$   $B-V$   $n-B$   
C 8.86 +1.47 +1.11

200" 2/3 Nov 61

486 00 32.5 +3633 1550

6.60 +1.45 +1.64 27 Aug 63

9.19 +0.97 +0.66 27 Aug 63

A05534 0 35.5 80 47 1950

A N2114

13.57 +0.64 +0.13

B 13.53 +0.68 +0.16 200" 2 Jan 62

13.52 +0.60 +0.17 100" 4 Sep 62

13.50 +0.64 +0.14 " 5"

13.53 +0.64 +0.15

6.62 +1.34 +1.38

A 6.67 +1.27 +1.38 450" 6 2 100"

6.70 +1.29 +1.37 5 " "

6.66 +1.30 +1.38

ADS 562 0 377 +23 47 1950

	7.24	+0.19	+0.16	29 Sent 100
A	(7.30	+0.39	-0.06)	27/62 100"
	7.16	+0.19	+0.12	30 Sent 100
7.21	+0.19	+0.14	2	
9.51	+0.34	+0.03	3	
	9.49	+0.36	+0.02	29 Sent
11.10	+0.56	+0.09	2	
	9.51	+0.31	+0.06	55 Sent 62 100
B	9.53	+0.34	+0.14	27/62 100"
	9.57	+0.20	+0.01	30 Sent
	11.10	+0.53	+0.06	30 Sent 62 100"
C	11.11	+0.58	+0.13	27/62 100"

566 00 38.2 -7 30 1550

7.03 +0.63 +0.09 15 July  
7.01 +0.61 +0.07 18 July 63

10.04 +1.23 +2.58<sup>1.85'</sup> 18 July  
10.00 +1.22 — 18 July 63

9.24 + 10 + 15  
 9.25 + 14 + 14  
 9.28 + 13 + 13  
 9.28 + 11 + 11  
 9.28 + 16 + 16  
 9.22 + 10 + 10

15 Aug 1951  
 11.55 + 14 + 15  
 9.25 + 10 + 10

35

8.41 + 11 + 11  
 8.42 + 10 + 10  
 8.40 + 10 + 10  
 8.42 + 11 + 11  
 8.47 + 10 + 10  
 8.40 + 10 + 10

13 + 10 + 15  
 8.40 + 10 + 10  
 110

00 33.4 109 44 15.0

497



2197

00 33.4 + 29 44 1950

~~8.40 +0.63 +0.05 18 " "~~  
~~8.47 +0.62 +0.09 16 July 63 100"~~  
~~8.42 +0.68 +0.11 13 July 63 200"~~

~~8.40 +0.68 +0.09~~

AB 16 July 63 100"

~~8.42 +0.68 +0.10~~

8.00 +0.64 +0.06

~~9.27 +0.67 +0.10 18 " "~~

+0.63 100"  
 15 July 63

~~9.28 +0.67 +0.11 16 July 63 100"~~

~~9.27 +0.66 +0.16 13 July 63 200"~~

~~9.23 +0.70 +0.13~~

~~9.25 +0.68 +0.14~~

juv

C 9.25 70.47 70.10 } Aug 18 1943 122  
D 11.55 70.94 70.65 }

G 70-8      0 42.6 -00 00.6      1950

$$\begin{array}{r} 6.98 + 0.53 \quad 0.00 \\ 7.02 + 0.54 \quad +0.02 \\ \hline 7.00 \quad +0.54 \quad +0.01 \end{array}$$

30 " "  
100" 29 Set 42

$$14.60 + 1.68 \quad \text{---} \quad \text{---}$$

100" 29 Set 42  
" 30 " "

$$\begin{array}{r} 14.53 + 1.65 \quad + 1.17 \\ \hline 14.56 \quad + 1.66 \quad + 1.17 \end{array}$$

608 20 5.07 1- 0.55 101

---

9.25 +0.67 71.04 181  
+0.16

10.86 +1.03 78.04 181  
+0.86

471031 or 40.3 +71 54 1950

10.21 +0.41 -0.17 14 July 63<sup>2005</sup>

10.14 +0.41 -0.22 15<sup>11</sup>"

10.18 +0.41 -0.20

42.9 + 46 1950  
A05624 00 43.0 + 94 47 1962

Y2600 5.55 + 0.04 + 0.42 22 Dec 62

5.64 + 0.4 - 89

5.71 + 0.06 + 0.03 26 Sept 62

11.10 + 0.84 + 0.64 22 Dec

11.22 + 0.93 + 0.64 21 Dec 62

B 11.13 + 1.01 + 0.64 25 Aug 62 200

11.24 + 0.5 + 0.72

11.29 + 0.92 + 0.54 26 Sept

11.23 + 0.93 + 0.64

VV wt

0 ~~50.6~~ ~~40238~~

53.2 -02 22 1950

(10.60 +0.34 +0.05) 5 Sept 62 100

(12.48 +0.64 +0.61) 100" 29 Sept

10.81 +0.36 +0.06 " 30 "

10.50 +0.36 +0.05 " 24 Oct

10.72 +0.37 +0.06 " 26 "

+0.0145 0 5-4.4 +1 30 1940

10.59 +0.01 +0.01 55 62 102



Ulep kont

2:27 8.90 +0.61 -0.05

2:34 9.02 +0.73 +0.11

2:42 9.11 +0.82 +0.31

2:50 ~~9.17~~ ~~+0.86~~ +0.40

B 11.83 +0.73 +0.32 100%

906 00 55.7 -15 57 1550

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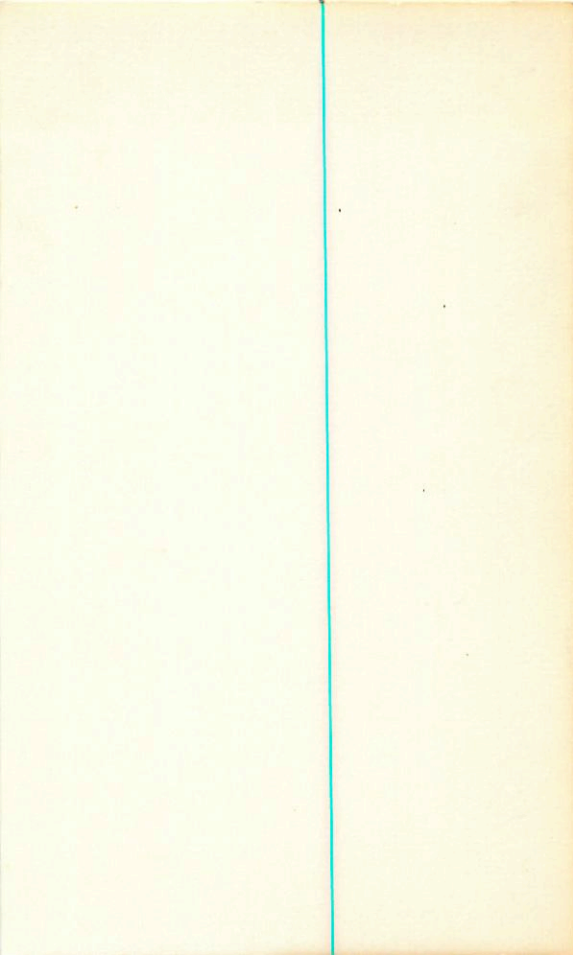
N 7.80 70.44 +0.02 18 July 63  
7.78 70.43 -0.03 18 Aug 63 100

S 7.86 70.46 +0.03 18 July 63  
7.84 70.44 -0.04 18 Aug 63

ADS 784AD

00 54.4 +60 09

5.55 -0.07 -0.30 +Dec 63 60<sup>4</sup>



AD5864

1 01 12

+2 05

9.22 + 0.77 + 0.25

(3)

9.22 + 0.265 30 den 70

9.22 + 0.255 31 den 70

9.22  
+ 0.26

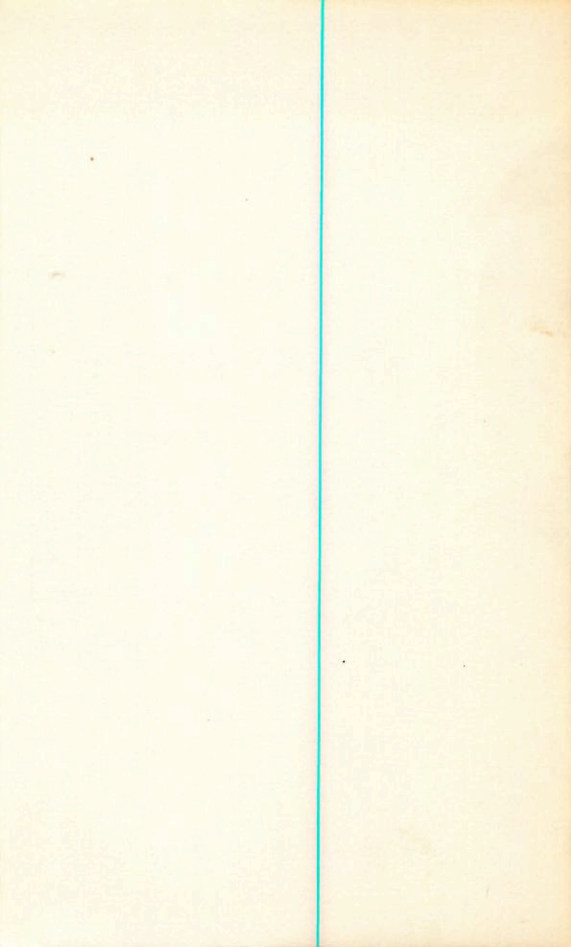
667 5/10

Map 00 5-7.8 481 36 1950

850  
604

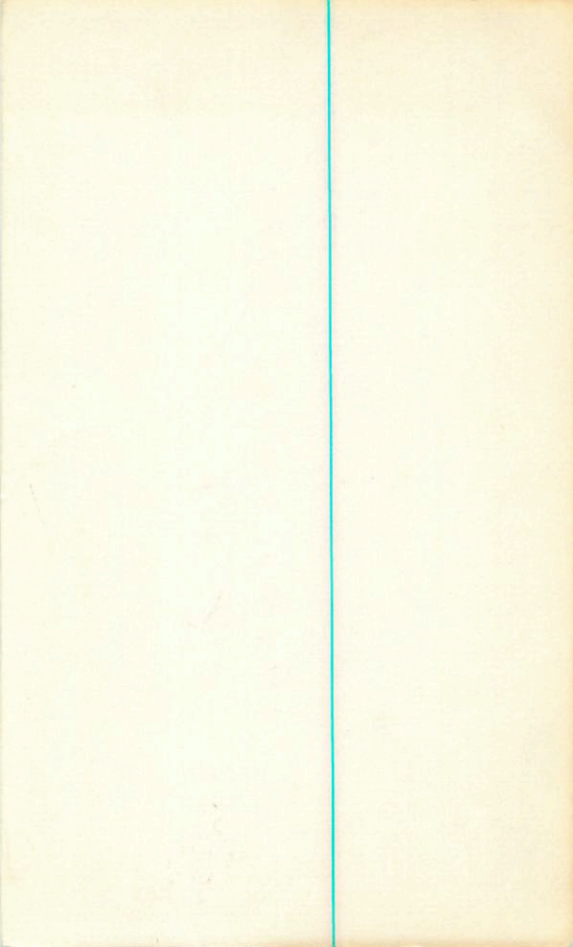
Sept 26 1942

0:06 AM Sept 27	7.72	0.00	-0.40
1:58	7.57	+0.04	-0.40
1:04	7.63	+0.05	-0.34
1:08	7.68	+0.06	-0.38
1:12	7.72	+0.07	-0.34
1:18	7.77	+0.09	-0.39
2:10	8.57	+0.37	-0.26
2:16	8.68	+0.46	-0.19
2:22	8.74	+0.53	-0.15





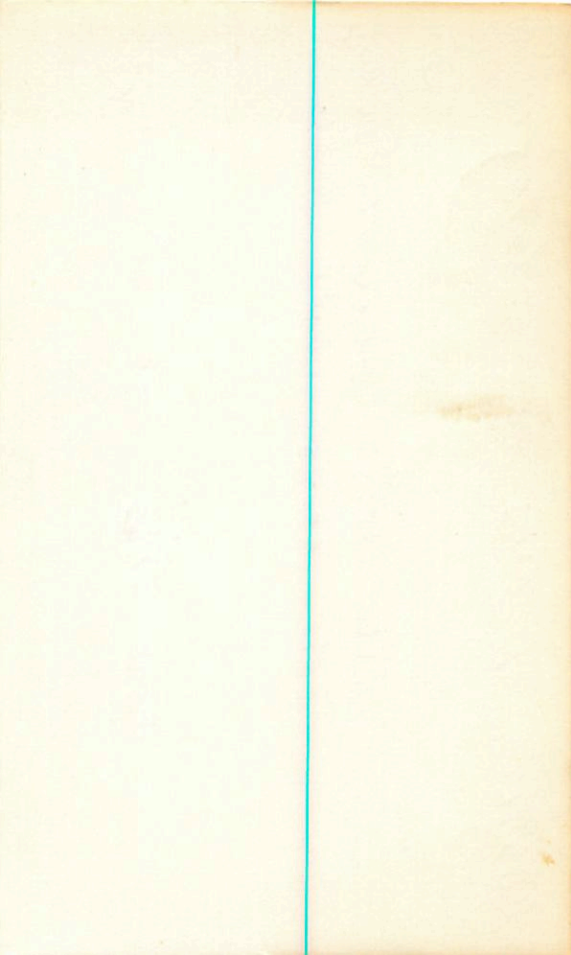




205918 / 04.3 + 38 23 1950

7.56 + 0.52 + 0.06 60" 25 Aug  
7.56 + 0.53 + 0.07 " 26 "

26  
8862 + 0.09 60" 15 Aug  
8.85 + 128 + 12 60" 26  
8.85 + 128 + 12 = 142  
8.96 + 27 = 110



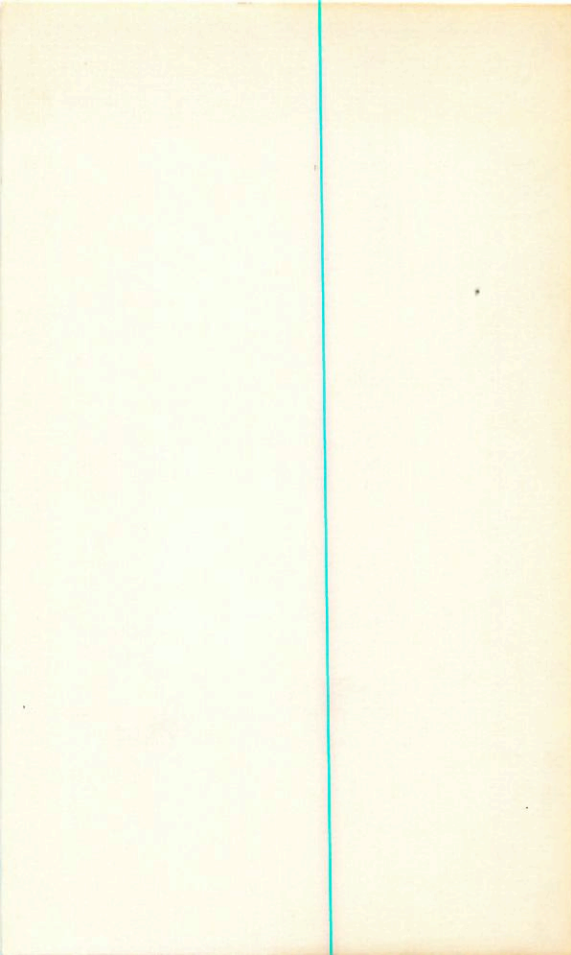
205903

1 032 +4 39 1950

6.35 +0.34 -0.02 12 Dec 63 100°  
6.30 +0.38 -0.03 13 " " "

6.33 +0.39 -0.04 C

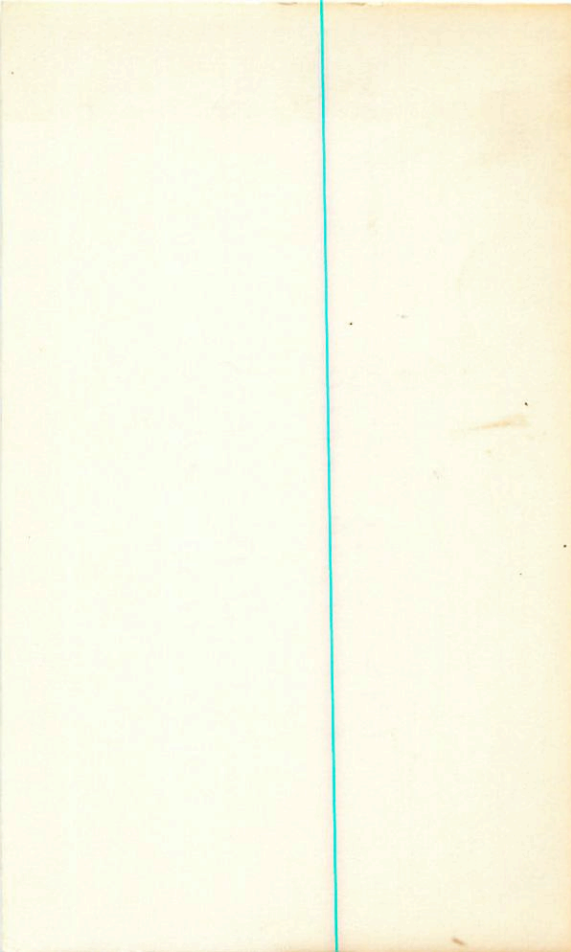
7.26 +0.46 -0.04 12 Dec 63 100°  
7.20 +0.49 -0.04 13 " " "  
7.23 +0.49 -0.05 C



ADS 875 / 0.12 101 06 1550

6.12 +0.25 +0.07 29 Sept 100"  
6.10 +0.26 +0.06 30 " "

9.5 / +0.83 +0.45 29 Sept 100"  
9.5 / +0.87 +0.43 30 " "



963 / 07.6 +50 45 1550

And 6.87 +0.44 -0.04  
6.86 +0.45 -0.04 23 Nov 63 2000<sup>11</sup>

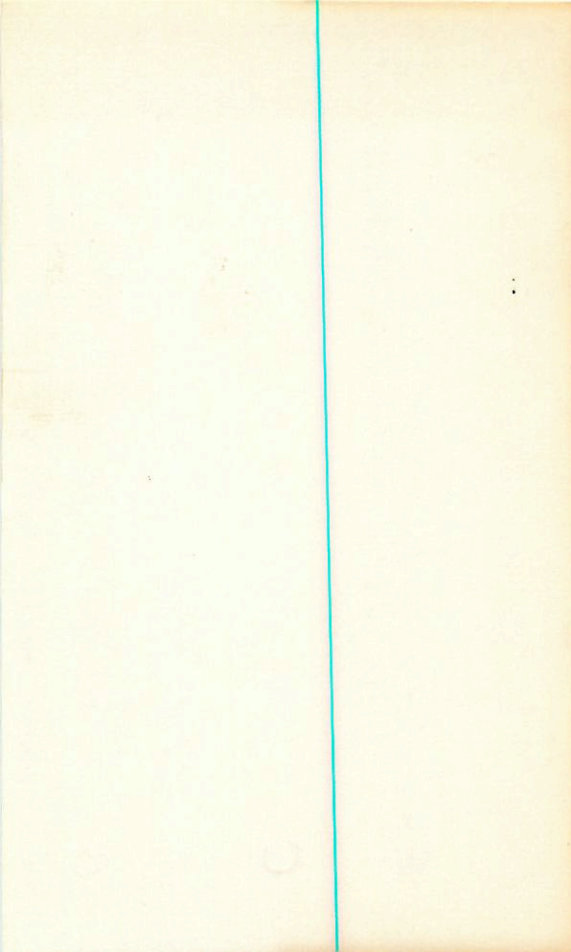
E 10.43 +0.18 +0.03

C 12.14 +0.43 +0.21

B 10.92 +0.35 +0.20 23 Nov 63 2000<sup>11</sup>  
10.95 +0.37 +0.22

d 12.87 +6.13 +0.64





950 / 07.0 +51.44

Alford Bivens 12 0.1

7.94 +0.77 +0.43 27 Aug 63

10.94 +0.56 +0.11 27 Aug 63

12.27 +0.62 +0.26 27 Aug 63

V 366 Cas 1 05.6 +58 30 1942

12.7-12.7 d  
0.73

-12.7

14.53 +1.00 +0.37

200" open 42

996

1 11.1 + 07 22

5 Rec

	5.23	+0.27	+0.08	27
	5.21	+0.30	+0.10	26
A	5.25	+0.25	+0.08	24 (let 100")
	5.22	+0.25	+0.09	25 "

	6.29	+0.49	+0.05	24 (let 100")
	6.26	+0.49	+0.05	25 "
	6.25	+0.53	(-0.10)	26
	6.28	+0.49	+0.06	27

Franklin

ADS 988 / 80.1 + 31.50 1950

A, A113A

7.02 +0.03 -0.03 12 Dec 63 100"  
6.94 +0.06 -0.04 13 " " "

8.31 +0.19 +0.06 12 Dec 63 100"  
8.25 +0.21 +0.09 13 " " "

bx1373-25 / 08.20 +26 48 1963

WD

14.93 + 0.09 = 0.64 24 Oct 63 100"

ADS1030 / 14.3 + 80 36 7.2 F<sup>0</sup> '850

N  
6.62 +0.02 -0.08 17 Dec 63 2000  
6.69 +0.03 +0.01 20 Dec 63 2000  
6.65 +0.03 -0.11 4 Dec 63 60"

AB S  
7.19 +0.37 +0.19 4 Dec 63 60"  
~~7.14~~ +0.37 -0.01 17 Dec 63 2000  
7.18 +0.39 +0.09 20 Dec

E 15.58 + 108 - 20 Dec 43

D  
11.67 +0.63 +0.16 4 Dec 63 60"  
11.62 +0.59 +0.02 17 Dec 63 2000  
11.67 +0.67 -0.17 20 Dec 63 2000



ADS1041 1 14.8 +20 49 8.765-1550

8.71 +0.56 +0.08 23 Dec 200"  
8.72 +0.52 +0.09 12 Dec 63 160"  
8.68 +0.55 (+0.15) 13 " "  
8.75 +0.53 +0.07 14 " "  
8.72 +0.54 +0.07  
+0.08

10.39 +0.59 +0.10 12 Dec 63 140"  
10.33 +0.62 +0.08 13 " "  
10.40 +0.59 +0.10 14 " "  
10.40 +0.63 +0.07 23 Dec 63 200"  
10.38 +0.61 +0.09

A051003

1

11.9 -08

11 1950

376A

5.16 +0.41 -0.08 20"

5.18 +0.41 -0.08 4 Sept 62 100"

5.18 +0.42 -0.05 5"

7.96 +0.74 +0.34 4 Sept 02 100"

7.98 +0.78 +0.35 5"

1057 16.1 -1 07

A 8.00 +0.83 +0.43 28 Oct  
100''

B 10.73 +1.40 +1.17 28 Oct  
100''

1040 / 15.3 + 48 48 1942-

AB 7.10 +0.09 -0.05 21 Dec 62 160"  
7.17 +0.05 -0.04 22-

C 8.99 +0.30 +0.13 21 Dec 62  
9.02 +0.31 +0.12 22-

H09389 1 20.5 -13 24 1950

278

7.85 +0.90 +073<sup>69</sup> 29 Dec  
7.85 (+0.83) +0.67<sup>✓</sup> 4 Sept 62<sup>100</sup>  
7.86 +0.89 +1.20<sup>170</sup> 29 Sept "  
7.82 +0.91 +0.68 28 Dec "  
7.85 +0.90 +1.19 (4)

10.30 (+1.30) +1.23 4 Sept 62 100"  
10.33 +1.38 +1.27 29 Sept "  
10.28 +1.38 +1.25 28 Dec 62 "  
10.29 +1.38 +1.29 24 "  
10.30 +1.38 +1.26 (4)

Wm  
H. J. J.  
C. J. J.

4838

01 25.8 707 612 6.4 110

408949

6.19 +1.12 +1.08 Comm

A 6.16 +1.11 +1.07 14576360

6.19 +1.03 +1.07 15 " "

6.25 +1.07 +1.08 Oct 19 1941

6.24 +1.11 +1.11 Dec 20 "

6.24 +1.11  
+1.08

B 8.04 +0.52 +0.01 14576360

8.07 +0.54 +0.02

8.02 +0.51 +0.03

8.02 +0.54 +0.08  
8.04 +0.53 +0.02

15 " "  
Fact  
Dec 24

34

1227 / 01 32.2 734 27

24 Oct 63

18 Aug 63

+330257

AB

9.60 +0.75 +0.33

9.65 +0.75 +0.32

9.65 +0.75 +0.32

9.66 +0.74 +0.33

9.69 +0.73 +0.32

9.66 +0.745 +0.32574

9.49 +0.51 +0.02

9.55 +0.52 0.00

9.56 +0.50 -0.01

9.56 +0.49 0.00

9.55 +0.51 -0.01

+330254

C

24 Sept 63

18 July

16 Aug 63

17 " "

18 " "

(4)

~~10.50~~

1119 , 21.6 +27 19

A  $\begin{array}{r} 8.78 \\ 8.70 \\ \hline 8.74 \end{array}$   $\begin{array}{r} +0.68 \\ +0.72 \\ \hline +0.70 \end{array}$   $\begin{array}{r} +0.23 \\ +0.18 \\ \hline +0.20 \end{array}$   $\begin{array}{r} 28 \text{ kwh} \\ 13 \text{ du} \\ 63 \text{ kw} \end{array}$  <sup>100"</sup>

B  $\begin{array}{r} 12.63 \\ 12.48 \\ \hline 12.55 \end{array}$   $\begin{array}{r} +1.08 \\ +1.11 \\ \hline +1.09 \end{array}$   $\begin{array}{r} +0.98 \\ +0.86 \\ \hline +0.42 \end{array}$   $\begin{array}{r} 13 \text{ du} \\ 63 \text{ kw} \end{array}$

C 11.87 +0.54 +0.03



ADS 1311      1    37.6    +40      20    1950

4.93     $-1\frac{0}{E} = +03$     -39

4.96    -11    -38

4.98    -0.09    -0.39    60" 25 Aug

4.94    -0.09    -0.38    " 26

~~11.5~~

11.5

11.51    +45    +05    2 Sept

11.57    +0.65    +0.05    60" 25 Aug

11.58    +0.64    +0.08    60" 26 "

11.50    +0.65    +0.03    200 29 Aug

11.52    +0.64    +0.07    1 Sept 60"

1268

1 345-172 47 1550

5.24 +99 +67

11.98 +82 +40

117

10854<sup>5</sup>

1081

674

-32

337

648

-9

72

~~G-34-48/49 142.5 + 23 03 1550~~

5.15  
1000 ft  
not yet

13.08 + 147 + 117  
1735 - 0.02 - 0.61  
200" June 2 62

13.09 + 145 + 118  
1747 - 0.08 - 0.63  
100" 45 ft + 62

1735-02-61  
1747 - 08 63  
1745

13.12 + 143 + 124  
100" 53 ft

15.33 + 0.63  
1007

(17.25 + 0.14 - 0.59)

" "

ADS 1437 7 46.2 + 56 30 8.6

8.56	+0.56	+0.04	18 Dec 63 2001
8.74	+0.58	+0.07	17 Dec 63 2001
8.84	+0.56	+0.05	20 " "
<u>8.83</u>	<u>+0.57</u>	<u>+0.05</u>	

9.88	+0.56	+0.04	17 Dec 63 2001
9.95	+0.56	+0.03	20 " "
<u>9.96</u>	<u>+0.55</u>	<u>+0.03</u>	18 Dec " "
	<u>+0.56</u>	<u>+0.03</u>	

ADS1438 146.2 +47 39 6.0 A2 '850

AB 5.82 70.29 +0.07 17 Dec 63 2000

C 9.41 +0.64 +0.06 17 Dec 63 2000

TT Cat 01 42.0 -10 15 1900

10.82 +0.31 +0.09 45.1 -9 56 1942

10.97 +0.34 +0.06 13 Dec 63 1600<sup>h</sup>

~~11.08~~ +0.35 +0.04 18 Aug 63 1500<sup>h</sup>

② 17 Aug 63 100<sup>h</sup>

(~~11.74 +0.47 -0.03 4 Sep 62 100<sup>h</sup>~~)

11.12 +0.32 +0.05 5 Sep 62 1100<sup>h</sup>

10.90 +0.31 +0.05 29 Sep 62 1100<sup>h</sup>

10.85 +0.33 +0.04 30 " " 1100<sup>h</sup>

11.55 +0.37 +0.08 24 Oct 62 100<sup>h</sup> 10:21

11.63 +0.37 +0.06 " " " " 10:32

~~11.64~~ +0.36 +0.05 " " " " 10:40

11.64 +0.35 +0.08 " " " " 10:48

} Min

B-71 -B5 A 01 51.2 +09 00 1962

A 14.30 +1.39 +1.09 100" 29 Sept 62  
14.27 +1.47 +1.09 200" 23 Aug 63

17.14 +0.21 -0.81 23 Aug 63 200"



ADS1543 / 55.1 + 23 21 1550

2 An

B 7.45 +0.60 +0.06 100" Dec 8  
7.34 +0.59 +0.05 200" Jan 62  
7.40 +0.56 +0.08 100" Feb 2

A 4.50 +0.29 +0.06 20'

0881  
Ch  
ah-  
183  
17  
1830  
1730  
1730  
1730

F15 | 46.5 +13 18

10.31 +0.07 0.00 26 Dec 62 100"

ADS1671 02 06.7 440 37 1967

BX Amel

9.07 +0.45 +0.04 31 July 2004

10.84 +0.64 +0.24 31 July 2004

LTT 1106      0.2 0.5.4 -00 47 1963

6.87      +0.62      +0.10      1964

6.90      +0.60      +0.12

~~5.47~~      +~~0.77~~      16 Aug 63

6.90      +0.63      +0.14      17 " "

10.51      +1.23

+1.23      16 Aug 63 100-

10.53      +1.24

+1.23      17 " "

ADS1634 2 0.12 00 35 1950

61 wt

B 10.68 +0.76 +0.30 200" 7w<sup>2</sup>/361

10.86 +0.73 +0.33 100" 76362

A 6.07 +0.88 +0.54 100" 76362

UV Per 2 07.6 +57.00 1942

18.60 -0.09 -0.33 200" Nov 2/3 61

a 16.15 +1.26 +0.60 200" Nov 2/3 61

Velocity 2 10.2 -0.2 38 1950

5.64 +0.58 +0.09 100 26 cent

A 5.69 +0.54 +0.05 100" 30 Snt 62

(5.75 +0.22 +0.37) ? .. 24 cent

5.69 +0.56 +0.06 " 28 cent

2.70 +0.71 +0.23 26 cent

B 7.74 +0.67 +0.20 100" 30 Snt 62

7.78 +0.66 +0.22 " 24 cent 62

7.74 +0.68 +0.21 " 28 "



1752 2 14.5 +28 31 1950

7.00 +0.52 -0.04 18 July 63  
7.04 +0.50 -0.03 16 Aug 63<sup>100</sup>  
7.05 +0.484 -0.01 17 " "  
6.94 -0.03 18 " "  
7.02 -0.03

---

7.74 +0.63 +0.08 18 July 63

7.77 +0.61 +0.08 16 Aug 63<sup>100</sup>  
7.79 +0.60 +0.08 17 " "

7.78 +0.62 +0.07 18 " "  
7.77 +0.615 +0.08

6134-02  
~~13427~~

2 138 +42 44  $\mu=1.07$

1590  
    

16.23 +0.73 +0.02 20 Dec 63 sec

6-6-7/8 15-1 57 1950  
2 15-2 +20 58 1942

10.90 +1.05 13 Dec 63 200"  
10.94 +1.05 12 Dec 63 100"  
10.86 +1.08 13 Dec 63 100"

10.94 +1.06 29 Aug 62 200"  
10.99 +1.06 4 Sept 62 100"

10.93 +1.055 +0.88  
16.32<sub>146</sub> +1.55 +0.95 17 Dec 63 200"

15.57 +1.60 — 29 Aug 62 200"  
16.59 +1.64 4 Sept 62 100"

16.47 +1.60 +0.95

10.93 +1.08 +1.01 1K

NW Per

2 09.7 +55 56 1942

✓

B-V N-B

15.73 +0.82 +0.63 200" Nov 2/3 61

15.86 +0.76 +0.63 200" 1 Jan 62

15.84 +0.79 +0.64 12 3<sup>hr</sup>

⑥

57  
16.42

+1.00  
~~+1.20~~

+0.56  
~~+0.60~~

200" Nov 2/3 61

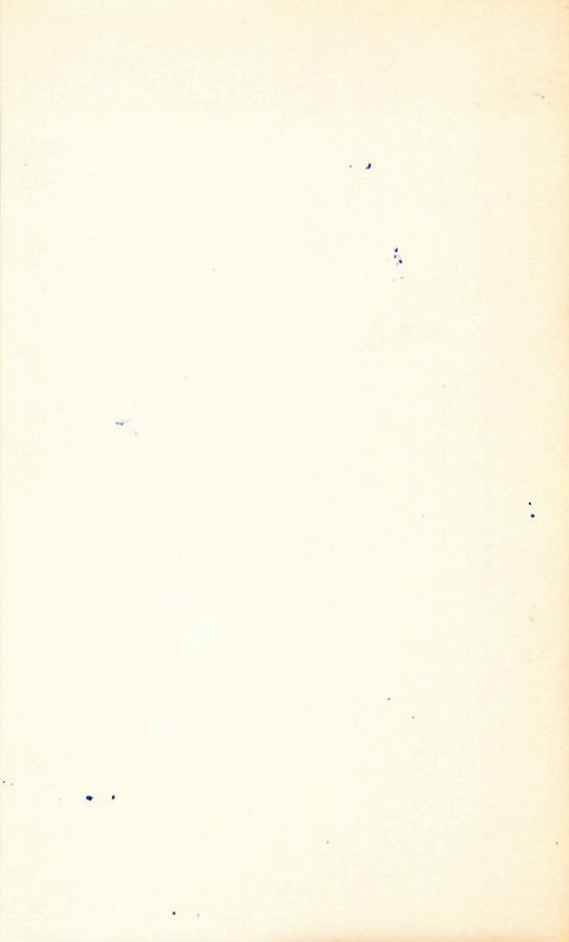
6.16		
2.53	6.09	5.54
8.61	1.43	2.74
6.23	6.23	5.69



W A ni 2 17.7 + 28 47 1950

12.58 + 0.93 + 0.46 3 Jan 62 <sup>200</sup>  
12.67 + 0.93 + 0.44 ~~3 Jan 62~~ 62 100

A 12.49 + 0.98 + 0.60 296





ADS 1763 2 15.5 +40 03 7.11.52

A is close by Amro 20" 20°

A 7.26 +0.42 -0.03 17 Dec 63 200°  
7.21 +0.44 -0.03 9 Jan 64 "

~~8.16~~  
C 13.46 +0.37 (-34) 17 Dec 63 200°  
8.28 +0.41 -0.04 9 Jan 64 200°

C 13.90 +0.57 +0.01

G-94-B5 2 20.7 + 22 M 1550

8.24 +0.62 +0.10 29 Sub G2 100°  
8.31 +0.61 +0.10 30 " " "

8.31 +0.61 +0.11 24 Sub G3 100°

15.75 +0.08 -0.73 29 Sub G2

15.89 +0.06 -0.72 30 " "

15.86 +0.07 -0.69 24 Sub G3 100°

6.84	5.98	6.06
9.27	9.88	9.98
5.81	5.95	6.03

AG2241/3    2    24.7    + 58    56  
+ 58    548

7.42    +0.40    +0.03

8.25    +0.31    +0.12

} 4 Dec 63 60''

14  
D. 0.34    Melbourne  
McLennan

ADS1824 2 20.9 +33 17

AB 5<sup>mm</sup> 1

A	7.38	+0.11	+0.09	12 Dec 63	100'
	7.80	+0.13	+0.07	13 Dec 63	

DB	10.22	+0.79	+0.32	9 Jan 64	200'
	10.16	+0.74	+0.33	12 Dec 63	100'
CO	9.60	+0.84	+0.37	13 Dec 63	

D	10.71	+0.96	+0.50	9 Jan 64	200'
---	-------	-------	-------	----------	------

~~F22 2 28.4 +0.5 06 1943~~

12.65 -0.06 -0.83 246143 100°

1849 2 23.6 -15 34 1950

5.88 +0.14 +0.07 18 Aug 63

A 5.86 +0.12 +0.08 700" 30 Sept 62

5.89 +0.14 +0.14 " 25 Oct "

5.87 +0.14 +0.13 26 "

5.86 +0.14 +0.10

9.31 +0.64 +0.14 18 Aug 63, 60

B 9.27 +0.61 +0.10 100 30 Sept

9.26 +0.63 +0.17 " 25 Oct 62

9.38 +0.52 +0.13

9.30 +0.62 +0.13

674 -39 2 28.2 +34 10

11.83 +1.47 +1.26 26.57 62 40"



ADS1860 C Cao 2 24.9 + 67 11 1550

C 8.40 + 0.71 + 0.17 26<sup>00</sup> Aug 63  
8.40 + 0.72 + 0.18 26<sup>00</sup> " "

ADS1996

2

35.2

+37

73

6.3 FS

1950

A

6.11

+0.51

+0.03

18 Dec 63 120"

6.21

+0.87

+0.06

14 " "

C

11.36

+6.27

71.20

13 Dec 63 120"

11.38

+1.22

+1.14

14 " "

1476 2 34.1 +24 26 6.6 d75

3140

16246

9.71 +0.51 +0.07

1474 1474 7.08 +0.56 0.00

Dec 27

1476 6.50 +0.44 -0.18

6.58 +0.40 +0.03 100"

Q 73-70/71 2 33.3 406 39 1958

5.89 +0.97 +0.79 4 Ser A 62 100"  
5.84 +0.97 +0.77 29 Ser " "

11.70 +1.56 +1.14 4 Ser F 62 100"  
11.68 +1.61 +1.14 29 " " "  
11.72 +1.59 +1.05 17 Ser 63 200"

2033

2 37.8 +26 51

33 Ari



5.31 +0.07 +0.10

29 Sept 62

5.30 +0.07 +0.10

30 " "

9.55 +0.71 +0.23

29 Sept 62<sup>(100)</sup>

9.57 +0.70 +0.24

30 " "

ADS 2042 2 38.3 +18 35 1550

AB 7.05 +0.05 -0.01 12 Dec 63 1000  
7.03 +0.06 -0.03 13 " "

C 9.47 +0.23 +0.12 12 Dec 63 1000  
9.47 +0.27 +0.10 13 " "

6274-39/40/41

2 37.5 + 3407

13.3 + 4

~~2~~ 37.5 + 3407

143 + 3

3 37.5 + 3408

16.0 + 4

11.82 + 1.46 + 109

13.05 + 1.50 + 2.02

14.27 + 1.57 —

} 23 Dec 63 200°

1595

2 48.0 +30 05 7.600E

+0.111 -0.333

A 7.56 +0.60 +0.05 24 Oct 63 100"

+0.124 -0.27

B 9.79 +1.28 +1.16 24 Oct 63 100"



17 Apr 2 46.5 +17 15 1950

A 5.31 -0.12 -0.51 100 305<sup>62</sup>  
5.37 -0.09 -0.48 " 266<sup>62</sup>

C 10.72 +0.57 +0.04 100 305<sup>62</sup>  
10.71 +0.63 +0.07 " 266<sup>62</sup>

AOS 2200 2 50.6 +38 08 1950

20 Feb

9.78 +0.82 +0.38 200' Nov 62

C 9.67 +0.78 +0.38 200' Nov 2/3 61

~~9.78~~

AB 5.40 +0.42 +0.03 6 20''



2314 3 00.8 - 2 15 1950

Udy ny

7.50 + 0.52 + 0.02 28 Dec 62<sup>1000</sup>  
7.52 + 0.51 + 0.02 29 "...

7.51 + 0.52 + 0.02

9.80 + 1.08 + 0.95 28 Dec 62<sup>1000</sup>

9.83 + 1.09 + 1.01 29 Dec

9.81 + 1.08 + 0.94

ADS 2218      2 5 2.7 + 26 40 1950

A 7.49 + 94 + 0.72 } <sup>Mar 4</sup> 13.87 + 1.58 + 1.14 17 Dec 63 200  
B 9.80 + 1.40 + 1.50 } <sup>1963</sup> 13.92 + 1.55 + 1.16 - 5 Sent 62  
C <sup>200</sup> 13.77 + 1.58 + 1.19 1 Jan 62

C 13.92 + 1.55 + 1.16  
13.77 + 1.58 + 1.19  
~~13.92 + 1.64 + 1.14~~  
13.90 + 1.59 + 1.18 4 Sept 62 100  
13.87 + 1.56 + 1.14 17 Dec 63 200  
~~7.68 + 0.89 + 0.73 5 Sent~~

AD 7.54 + 0.96 + 0.83 32/62

A 7.63 + 1.01 + 0.68 4 Sept 62 100

B 10.49 + 1.34 — " " "

C 7.68 + 0.89 + 0.73 5 Sent 62

65  
DDS 2210 2 51.7 + 9 34 / 550

$$\begin{array}{r} A \\ 9.59 + 0.59 + 0.05 \quad 12 \text{ Dec } 63 \text{ } 100'' \\ \underline{9.61 + 0.58} + 0.04 \quad 14'' \\ 9.60 \quad \underline{+ 0.585} \quad + 0.045 \end{array}$$

$$\begin{array}{r} B \\ 10.26 + 0.83 + 0.43 \quad 12 \text{ Dec } 63 \text{ } 100'' \\ \underline{10.26} \quad \underline{+ 0.84} + 0.40 \\ 10.26 \quad \underline{+ 0.835} \quad + 0.405 \quad 14'' \text{ } '' \end{array}$$

1950  
 2337 + 3 026 + 7 015  
 2337

A  
 9.09 + 1.60 + 1.94 12 Dec 63 pm  
 9.13 + 1.67 + 1.89 13 " " "  
 9.07 + 1.63 + 1.92 14 " " "  
9.10 + 1.63 + 1.92

BC  
 11.27 + 0.74 + 0.26 12 Dec 63 pm  
 11.25 + 0.77 + 0.27 13 " " "  
 11.23 + 0.76 + 0.27 14 " " "  
11.25 + 0.76 + 0.27

2242 2 55.0 -25 10 1950

AB 7.35 +0.87 +0.52 18 Aug 63

C 7.85 +0.47 +0.74 18 Aug 63



2336 3 03.1<sup>2.5</sup> +25 04 1942

AB 5.45 -0.02 -0.39 29 Sept 42  
5.46 -0.05 -0.38 30 " " 100  
5.46 -0.03 -0.38

D 13.23 +0.73 +0.23 29 Sept 42  
13.32 +0.72 +0.21 30 " "  
13.27 +0.72 +0.22



1747 3 070 + 05 01 8.6 d60

2503

7.94 + 0.57 + 0.03 1 100"

405

7.59 + 0.59 + 0.08 27 546.2

8.77

7.58 + 0.59 (+ 0.01) 26"

273

7.59 + 0.59 + 0.06 30"

305

7.59 + 0.58 + 0.08

8.74

466

307

N X Eri Q 07.4 -07 52 1550

11.65 +56 - <sup>14 Dec 63</sup> 24 Cent 43 B 12.46 +93 +64 24 Oct 63  
A 11.64 +54 -07 <sup>24 Dec 63</sup> 100" 12.52 +93 +63 12 Dec 63 100"  
11.63 +56 -02 <sup>66</sup> +23

(11.73 +54 -04 5-Sent 62 100")

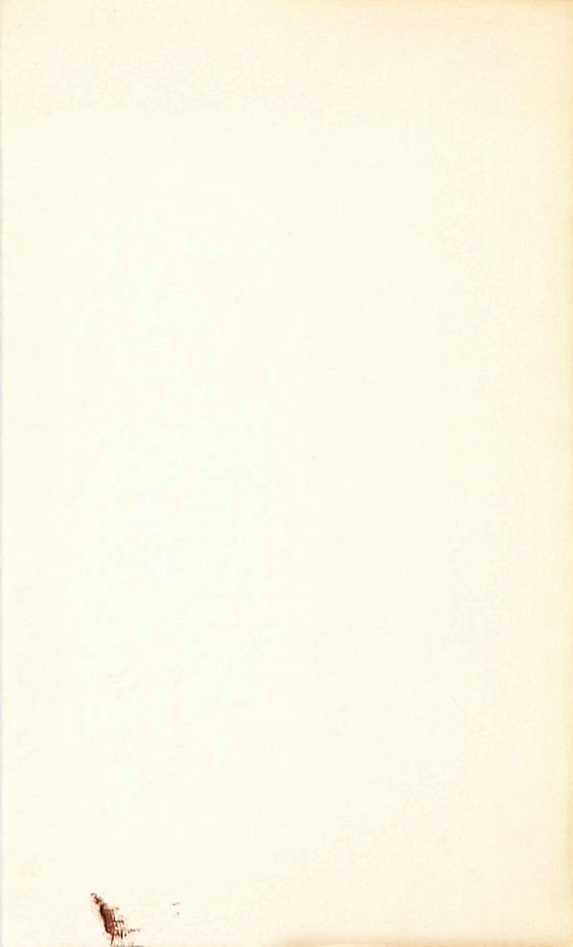
<sup>pylent</sup> 10.54 +0.67 +0.19 24 Cent 63 100" C 12.58  
10.54 +0.66 +0.23 29 Sep 62 100" +73  
10.56 +0.66 +0.20 30 " " +75

10.77 -10.64 -10.24 24 Oct

10.68 +0.66 -10.25 25 " 12 Dec 63 100" 12 Dec  
10.66 +0.67 +0.34 26 " 63  
10.60 +0.68 +0.23 26 " 100"

10.58 +0.69 +0.19 14 Dec 63 100"  
10.56 +0.67 +0.22 28 " "

10.76 +0.66 -10.22 27 " "



AD52373 3 07.0 +5 00 1950

$\left. \begin{array}{l} 4.03 \\ 9.03 \end{array} \right\} 0.2''$

$7.94 + 0.59 + 0.05 = 3.20''$

$7.94 + 0.57 + 0.03 = 30 \text{ Set } 62.100$

2429 3 13.0 +14 10 1962

~~Can't find the other yrs.~~

AS 8.83 +0.67 40.21 30 Sept 62 100

due  
South

~~8.43 +0.53 +0.06 30 Sept 62~~

W1774

3 10.5 +18 39 1550

G5-22

GC212

14.32 +1.46 +1.27 100" Dec 8

14.27 +1.41 +1.26 " Sept 29 62



Blue Van #1 3 08.1 - 09 54 1550

B-V 4-B

16.93 - 0.10 - 0.60 200'' Nov<sup>2</sup>/361