

14334 20 47.1 +39 34 1550

7.69	+0.03	-0.29	1 Aug 64 200"
7.71	-0.03	-0.28	25 Aug 63 200"
7.72	-0.06	-0.24	27 " " "
9.92	+0.09	-0.03	1 Aug 64 200"

13.64	+6.20	+0.79	25 Aug 63 200"
13.65	+1.14	+0.35	27 " " "
<hr/>			
13.53	+0.68	+0.06	1 Aug 64 200"
13.56	+0.68	+0.05	25 Aug 63 200"
13.63	+0.73	+0.13	27 " " "

LP 46-223 20 55.2-69 54 1943

~~#~~ 18.82 - 0.15 - 1.10

AD51270 20 '13.9 +15 43

7.55 +0.78 +0.23  
7.56 +0.76 +0.35  
7.54 +0.76 +0.34  
7.55 +0.76 +0.34

18 July 63 2000"  
16 Aug 63 1000"  
17 " " "

8.35 +0.80 +0.36  
8.39 +0.77 +0.38  
8.38 +0.76 +0.36  
8.38 +0.78 +0.37

15 July 63 2000"  
16 Aug 63 1000"  
17 " " "

W73170 20 56.6 +10 41 56 96-6 } AB  
1943 } 198"  
BC " 67"

A 5.52 +0.96 +0.62 } 4 July 67 100"  
B 9.63 +1.66 +1.97 }  
C 12.04 +1.18 +1.04 }

14441 20 56.2 -09 33 1950

AB	8.98	+0.45	-0.07	18 Aug 63
	8.98	+0.44	-0.06	18 July
	8.94	+0.49	-0.04	17 Aug 63 100*

C	9.58	+0.52	0.00	18 Aug 63
	9.60	+0.51	+0.01	18 July
	9.53	+0.55	+0.05	17 Aug 63 100*

a	12.78	+0.92	+0.47	18 Aug
	12.64	+0.94	+0.63	17 Aug 63 100*
	12.72	+0.88	+0.59	18 July

D	9.05	+0.88	+0.50	19 Aug 63 100*
	9.10	+0.85	+0.56	19 July

14492

20 563

-13 25 1950

8.5FO

AB 8.49 +0.39 +0.09

8.55 +0.33 +0.05

8.66 +0.38 (+0.19)

8.58 +0.37 +0.01

8.57 +0.37 +0.05

27 Aug 63 100"

18 " "

27 Aug 63 20"

26 Aug 63 20"

AD514526 20 58.1 +47 201950

A 4.71 -0.03 -0.92 60" Aug 25

9.47 +20 +0.6

B 9.52 +0.21 +0.05 July 7 62 200  
(9.64 +0.14 +0.24) 60" Aug 25  
9.42 +0.19 +0.06 200 Aug 29

11.62 +53 -0.8

C 11.69 +0.51 -0.05 July 7 62 200  
11.55 +0.55 -0.12 Aug 29 200

$\Sigma \text{Egr}$

AOS 14499

20 56.6 +4 06 1950

AB	5.40	+0.47	+0.01	29 Jun 62	100"
	5.43	+0.47	00	1 July	" "
	<u>5.42</u>	<u>+0.47</u>	00		

C	7.31	+0.51	-0.03	29 Jun 62	100"
"	7.38	+0.46	-0.04	1 July 62	" "
	7.36	+0.48	-0.01	2 "	" "
	<u>7.35</u>	<u>+0.48</u>	<u>-0.03</u>		



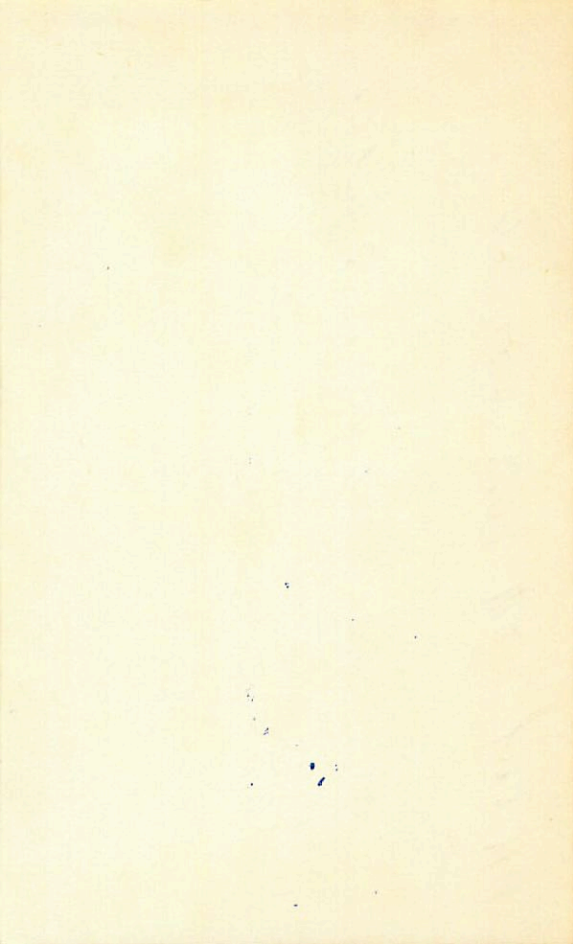


BA Vard 2d 00.3 +27 36

7.3-7.5

8.7 7.31 +0.63 +0.07 2 July 62

SU 20"



408

13216 21 00.3 +27 36 7.2 00

736 +0.61 +0.04 10 Snt

742 +0.59 -0.05 22 Ry

724 +0.59 +0.06 14 July 62

728 7.32 +0.58 +0.06 65 Snt

+58 7.41 +0.57 +0.08 2 Aug 62

00 7.30 +0.58 +0.04 11 Ry

7.28 +0.57 +0.06 21 Ry

7.30 +0.58 +0.06 5 Snt

~~7.34 +0.58 +0.06~~ 29 Aug 62

7.35 +0.61 +0.06 2 Snt

7.29 +0.58 +0.08 1 Snt

7.35 +0.59 +0.04 3 Snt

~~7.34 +0.58 +0.06~~

7.34 +0.59 +0.06

7.34

7.34

7.34

7.34

7.34

W13182: 20 58.2 t16 4/ 6.5 F2 <sup>(1963)</sup>  
9.2 71"

6.61 +0.40 -0.08 4 July 64 100"  
6.55 +0.36 -0.11 5 " " "  
6.58 +38 -10

9.16 +0.80 +0.25 4 July 64 100"  
9.12 +0.75 +0.23 5 " " "  
9.24 +775 +255

14754 21 11.0 +0.7 01

7.24 +0.31 +0.05 25 June

AB 7.25 +0.32 (+0.27) 28 Oct<sup>100</sup>

7.29 +0.32 +0.06 21 June 100<sup>1</sup>

14.01 +0.72 +0.10 26 July

7.15 +0.32 +0.05 28 Oct

13.97 +0.70 +0.10 28 Oct

14.04 +0.71 +0.11 21 June 100<sup>1</sup>

14.02 +0.75 +0.10 25

7.17 +0.34 +0.03 26 July

7.16 +0.33 +0.06 28 Oct

7.14 +0.31 +0.05 21 June

7.14 +0.33 +0.03 25

D

14710	21	08.3	+22	15	1950
6.72	-0.01	-0.06		15	Sept 63
6.77	-0.04	-0.07		14	Sept 63 60"
(6.99)	+0.04	-0.07		19	July
6.68	+0.03	-0.06		16	Aug 63 100"
6.68	+0.02	-0.06		18	" " "

7.64	+0.14	+0.07		19	July
7.65	+0.18	+0.09		16	Aug 63 100"
7.67	+0.18	+0.08		18	" " "
7.74	+0.15	+0.08		24	Sept 63 40"
7.75	+0.13	+0.08		15	" " "

\$200723

6

21 02.5

441 24

26

1940

6.35 +0.39 +0.14 60" 265ft

6.32 +0.38 +0.12

( )  
8.83 +0.47 -0.02

8.80 +0.49 -0.01 60" 265ft



2 egg B

~~21~~  
~~18.6~~  
21 13.2

~~+37 25 1950~~  
+37 52.0

3.74 + 0.38 + 0.52  
40 64

✓

B-V 21-B

B 12.40

+1.54 +1.13

200" 2/3 Nov 1961

11.94

+1.32 —

60" 26 Jan

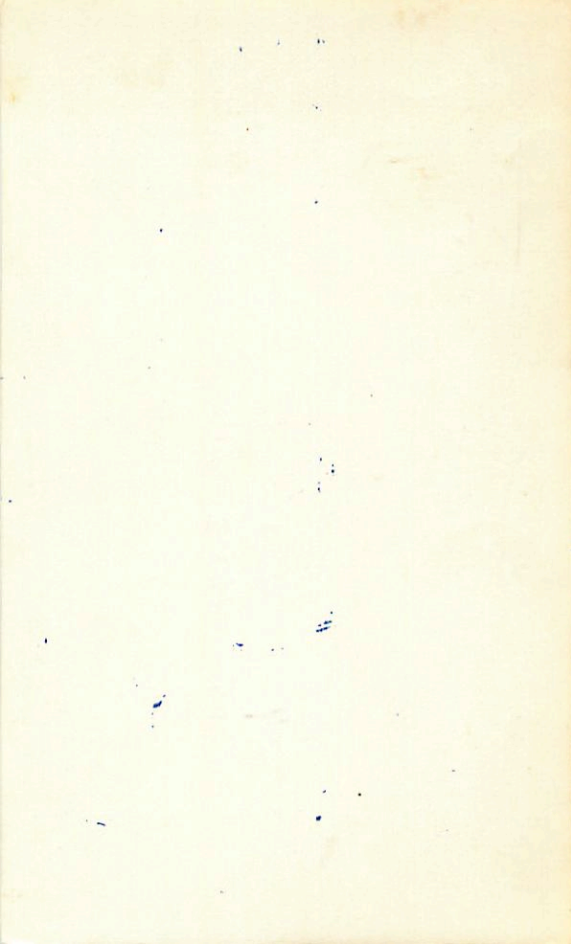
12.05

+1.52 +1.14

200 29 Aug 62

12.00

+1.53 +1.14



14756 21 12.7 -10 34

A 8.14 +1.17 +1.02 Oct 28 62<sup>100</sup>

B 10.35 +1.19 +0.52 Oct 28 62<sup>100</sup>

AD514775

21 12.1

-1 02 1510

7.44<sup>7/8</sup> +0.11 +0.62 4 Sept 62 100

7.48 +0.12 +0.04 3 July 100"

AB 7.43 +0.12 +0.07 100" 30 May 62

7.44 +0.10 -0.03 " 29 June 62

7.49 +0.10 +0.01 1 July "

(12.56 +0.27 +0.05 July 7 62 - 200)

10.50 +0.55 +0.05 4 Sept 62 100

6 10.49 +0.58 +0.09 100" 30 May 62

10.52 ✓ 10.52 +0.55 +0.02 " 29 June 62

10.56 ✓ 10.56 +0.55 +0.02 " 1 July "

10.05 ✓ 10.52 +0.57 +0.06 " 2 "

ADS14893 21 18.9 +10 07 6.9 FS

W13429

6.74 +0.51 0.00 24 Oct 63 100'

6.75 +0.53 (-0.01) 26 July 63

6.73 +0.57 0.00 18 July 64 100''

6.70 +0.54 -0.03 14 July 64 100''

Flyg B 21 13.2 +3751 1943

10.79 +1.06 1 Room

— 10.52 +1.01 14 Apr 64 100"

— 10.78 +1.05 7 July 64 100"  
+10.5 m-n = 1.50

12.60 +1.53 +114 2

10.90

7.70

14875 21 18.4 +52 44 1550

A 7.67 +0.57 +0.02 24 Aug 63 200"  
7.68 +0.58 +0.02 27 " " "

(A (40))

B 7.87 +0.81 +0.33 24 Aug 63 200"  
7.90 +0.83 +0.31 27 " " "

AD515032

21 28.<sup>0</sup>2 +70 20 24 1962

$\beta$  Cep

7.82 +0.18 (-0.03)

7.81 +0.18 +0.05

7.90 +0.17 +0.06

(7.99) +0.17 +0.02

~~7.81~~ +0.175 +0.04

200" Jan 62  
" July 762  
" 18"

7.81 +0.15  
-0.9 -0.3  
-----  
7.72 7.12

2.3  
5.4

3.3  
-2.1





14960 ~~AB~~

21 23.0 + 1.50

7.57 + 0.01 - 0.09 17 Aug 63 AM  
7.60 + 0.00 - 0.09 28 Oct

AB

$\frac{7.56 - 10.02}{7.53} \frac{+0.01}{-0.10}$  25 Jun 63 AM

11.44 + 0.66 + 0.13 17 Aug 63 AM  
11.55 + 0.69 + 0.16 28 Oct 1963

C

$\frac{11.54}{11.53} \frac{+0.62}{+0.66} \frac{+0.10}{+0.13}$  25 Jun 63 AM

14924  
AN5 1424

21 20.9 57 21 1550

8.07 + 5.6 + 0.9

AB  
8.04 + 0.54 + 0.09 60" 26 Aug  
8.11 + 0.57 + 0.08 60" 26 Sept

8.14 + 0.57 + 0.06 26 July 63 20"  
8.14 + 0.54 + 0.06 19 Aug "

C  
+ 5602502-8.61 + 0.53 + 0.02 60" 26 Aug

8.66 + 5.4 + 0.2

146-12126  
8.65 + 0.55 + 0.02 60" 26 Sept

8.66 + 0.53 - 0.01 19 Aug 63 20"  
8.70 + 0.54 + 0.01 26 July 63 "

QDS 15121 21 34.1 +26 " 8.7788  
" " " 8.7784

A08 8.53 +0.52 +0.06 2 20"

W 9.24 +0.58 +0.06 } 4.74y 64100'  
E 9.27 +0.57 +0.06 }

DIR Lyg 21 33.4 +34 25 1940  
10.6

10.24 +1.00 +0.70 100" Dec 8 61

10.09 +1.05 +0.67 60" 26 June

10.14 +1.03 +0.69 27

10.16 +1.03 +0.69

10.4-11.0 10.39 +0.34 +0.03 1 to Aug 63 100"

+0.38 +0.04 10.38 +0.37 +0.05 27

10.49 +0.38 +0.05 60" 26 June

~~10.49~~ +0.37 0.00 200" 26 Aug 63

11.95 +0.37 +0.05 100" Dec 8

10.66 +0.36 +0.01 200 July 62



Dedling cont

① 13.20 + 0.72 = 14.92

76 Aug 03<sup>1002</sup>

2 A0515142

21 350 -0.350  
6.22 +0.07  
6.22 +0.08  
6.25 +0.08 +0.07  
1 July 6.2-100'

A 6.21 +0.09 +0.14 100 30 may 6.2  
6.23 +0.06 +0.06 " 29 June 6.2  
6.26 +0.08 +0.09 " 3 July

(9.54 +0.34 -0.04) 4 Dec 6.2-100"

B

9.50  
10.52 ✓  
0.03  
9.54 +0.34 -0.04  
9.48 +0.54 +0.02 100 30 may 6.2  
9.44 +0.52 -0.03 17 Aug 1003 pm 6.2  
9.46 +0.51 -0.06 18 Aug 6.3 1000  
9.47 +0.50 -0.06 " 1 July  
9.51 +0.51 -0.06 " 2 " 11  
9.53 +0.52 -0.06 28 Oct  
9.57 +0.57 -0.06



15137 2134.5 +57 151550

9.22	+0.43	+0.04	25 Aug 63 2000'
9.18	+0.43	+0.03	26 " " "
9.20	+0.42	+0.03	27 " " "

9.67	+0.41	-0.01	25 Aug 63 2000'
9.61	+0.42	-0.02	26 " " "
9.65	+0.41	-0.02	27 " " "

15147 21 35.2 +6 24

6.20 +02 +01 Cousins

A 6.26 +0.03 +0.04 28 Oct 1962  
6.19 +0.03 0.00 20 Jun 63, 1000  
6.20 +0.03 +0.03 21 Jun " "  
6.20 +0.05 +0.02 25 " " "  
6.20 +0.03 +0.02

B 7.73 +0.36 0.00 28 Oct

7.65 +0.36 -0.01 20 Jun 63, 1000  
7.67 +0.36 0.00 21 " " "  
7.67 +0.38 -0.02 25 " " "  
7.67 +0.36 -0.01

11:56 12.21 +37 +10  
11:59 12.18 +35 +09  
12:02 12.13 +35 +09  
12:05 12.07 +34 +10  
12:08 12.02 +30 +11  
12:10 11.99 +29 +12  
12:14 11.87 +30 +11  
12:14 11.85 +27 +12  
12:18 11.79 +26 +12  
12:21 11.74 +25 +13  
12:23 11.71 +25 +13

12:25 11.73 +25 +14  
12:28 11.73 +24 +14  
12:33 11.76 +25 +15  
:36 11.77 +24 +14  
:39 11.74 +27 +15  
:44 11.84 +29 +15  
:46 11.86 +30 +14  
:48 11.87 +30 +14  
:54 11.92 +32 +14

BP Day July 8 1964

21 31.5

+22 34

10:46 12.14 +36 +12

11:04 12.21 +38 +13

11:15 12.25 +38 +12

11:19 12.26 +39 +11

11:25 12.27 +38 +12

11:33 12.28 +39 +11

11:41 12.29 +38 +12

11:45 12.28 +38 +10

11:53 12.24 +37 +10

A

11.84 +99 +61

11.84 +99 +63

11.84 +101 +62

11.83 +100 +65

11.82 +101 +64

11.82 +100 +64

11.82 +101 +64

11.82 +102 +68

11.82 +102 +64

11.82 +102 +64

QAS15184 21 37.7<sup>y</sup> +57 19 1962

$$\begin{array}{r} A \quad 5.72 \quad +0.74 \quad -0.71 \quad 60'' \quad 25 \text{ Aug} \\ \hline 5.69 \quad +20 \quad -72 \quad '' \quad 26 \text{ Aug} \\ \hline 5.70 \quad +22 \quad -72 \end{array}$$

$$\begin{array}{r} B \quad 8.10 \quad +0.26 \quad -0.67 \quad '' \quad 25 \text{ '}' \\ \hline 8.09 \quad +0.27 \quad -0.63 \quad '' \quad 26 \text{ '}' \\ \hline 8.10 \quad +24 \quad -67 \end{array}$$

$$\begin{array}{r} C \quad 8.05 \quad +0.71 \quad -0.68 \quad 25 \\ \hline 8.02 \quad +20 \quad -70 \quad '' \quad 26 \text{ '}' \\ \hline 8.02 \quad +20 \quad -69 \end{array}$$

405 15186 2137.9 +41 33 1562<sup>30</sup>

ARS  
7.56 +1.22 +1.21 1 August 2004  
7.60 +1.21 +1.13 19 May  
7.51 +1.20 +1.17 31 July 2004

FE  
8.53 +1.02 +0.75 1 August 2004  
8.57 +1.03 +0.72 19 May  
8.49 +1.01 +0.74 31 July 2004

B  
12.58 +0.80 — 31 August 2004

~~152.4      21 38.8      157 21      1550~~

AB      7.40      +0.45      +0.06      3 20"

7.45 +0.47      +0.04      25 Aug 63 200"

7.40 +0.46      +0.03      26

7.44 +0.45      +0.04      27

7.44      +0.46      +0.04

8.76      +0.2      +0.8

8.78 +0.63      +0.09      25 Aug 63 200"

8.75 +0.61      +0.07      26

8.76 +0.61      +0.10      27

$7.38 + 1.95 + 1.34$  60" 26 Aug 62  
 $7.29 + 1.85 + 1.36$  1 sent  
 21 39.0 + 54 06 1950

P U Guy

A: 7.98 + 1.94 + 1.12 July 7 42 200  
 $7.36 + 1.91 + 1.12$  Aug 23 60"  
 B-V N-B

ADSI 220

B 12.53 + 0.53 + 0.26 200" 200/2-3<sup>94</sup>

12.37 + 0.57 + 0.18 " July 7 62

12.36 + 0.55 + 0.18 " " 7 8"

12.40 + 0.55 + 0.18

(11.10 + 28 + 22 60" Aug 26) 200

C 11.10 + 0.31 + 0.18 July 7 62

11.06 + 0.31 + 0.19 1 sent

11.08 + 0.31 + 0.18 " " 7 8"





15262 21 41.4 + 57 25 1550

11.44 + 1.72 + 1.93 23 Aug 63 2000

11.80 + 0.51 + 0.40 23 Aug 63 2000

ADS 15264 21 241.7 49 39 1550

E reg

B 12.67 +0.99 +0.64 25 Jun 63<sup>100''</sup>  
12.66 +0.98 +0.90 16 Aug 63

C 8.64 +0.56 +0.04 25 Jun 63<sup>100''</sup>  
8.68 +0.53 +0.06 16 Aug 63<sup>100''</sup>

15379

21

48.8

+8

07

8.51

+0.67

+0.09

28 Oct 62

11.48

+1.22

+1.12

28 Oct 62

15366 21 45.0 166 33 1550

6.49 +0.39 +0.06 26 Aug 63 200"  
6.47 +0.40 +0.05 27 " " "

6.45 +0.39 +0.05 J

10.57 +0.93 +0.85 26 Aug 63 200"  
10.61 +0.93 +0.59 29 " " "

10.53 +0.91 +0.57 J

APR 30 9/10 21 42.3 +28 34 1543

4.48 +0.47 -0.02 25 Jun 63  
1000

DOS 15383 21 49.7 +19<sup>35</sup> 1543 4:2 AD  
-10 20" 950  
-12 24" 3200

A 5.73 -0.12 -0.43 31 July 64 200"  
5.78 -0.11 -0.43 1 Aug 64 200"  
5.81 -0.10 -0.41 6 " " "

B 11.43 +0.54 +0.24 31 July 64 200"  
11.48 +0.58 +0.25 1 Aug 64 "  
11.44 +0.56 +0.21 6 Aug 64 200"

C (13.42 +0.66 +0.12) 31 July 64 200"  
73.53 +0.82 +0.16 1 Aug 64 200"  
13.49 +0.82 +0.20

3 34

15405 21 50.6 +55 36  
 5.69 -12 -48 30 " " "  
 5.68 -12 -51 28 " " " "

9 5.74 -11 -44 2 Sent

View ~~5.57~~ +0.03 -0.55 26 Sent 60"  
 5.65 -0.13 -0.50 29 June 64 60"

6.63 +0.2 -2.4

~~9.17~~ -0.07 -0.25 26 Sent 60"

~~6.67~~  
 6.59 -0.01 -0.29 28 June 64 60"  
 6.59 -0.03 -0.27 29 " " "  
 6.64 -0.07 -0.25 30 " " "



15419 · 21 5/10 -20 15 1950

A  
8.09 +0.45 -0.05 24 Oct 62  
8.13 +0.44 +0.02 25 " "  
8.14 +0.45 -0.02 26 " "

BC  
(9.72 +0.90) — 24 Oct 62  
9.83 +0.80 ~~+0.83~~ 25 " "  
9.81 +0.78 ~~+0.81~~ 26 " "

15434

10.01 +0.15 -0.44 J#H

1 10.08 +0.12 -0.51 60" 26 Sept  
10.03 +0.04 -0.50 200" 31 Aug 64  
10.17 +0.04 -0.49 12 Aug 63 200"

2 11.42 +0.34 +0.19 60" 26 Sept  
11.48 +0.36 +0.15 200" 20 Nov 62  
11.55 +0.34 +0.17 " 31 Aug 64  
11.52 +0.36 +0.22 J#H

3 12.38 +0.75 +0.27 60" Sept 26  
12.56 +0.47 +0.24 200" 20 Nov 62  
12.67 +0.44 +0.30 " 31 Aug 64

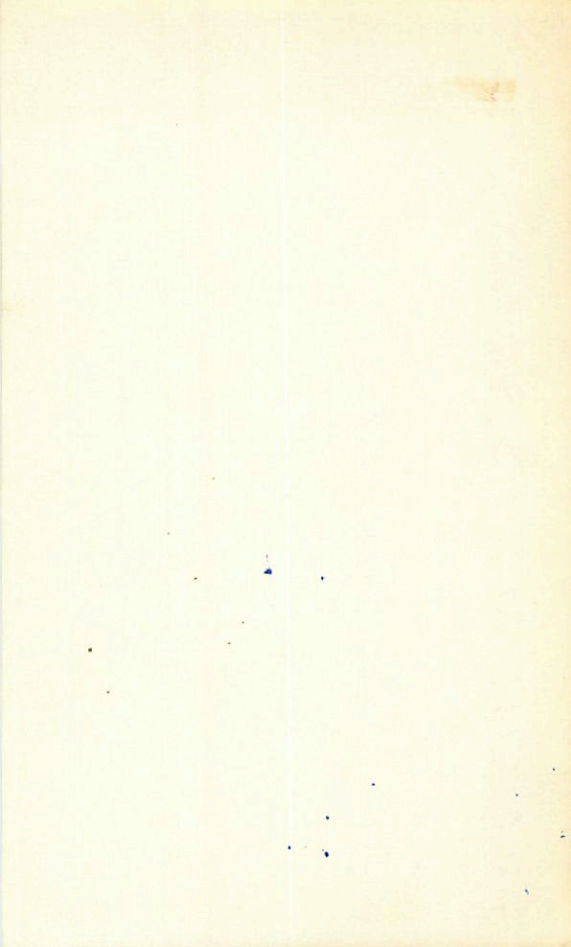
12.66 +0.46 +0.27 J#H

HO 208411 21 52.2 +67 55 1942

of 64

A 7.43 +1.06 +0.72 60''27 June

B 8.40 +0.15 +0.11 60''27 June



693-53 2152.2 -0.28 1968

14.56 +0.34 -0.75

18 May 64

→ 14.41 +0.26 -0.51

21 Jun 64 200"

14.49 +0.01 -0.41

24 July 64 100"

15434

By ~~16.45~~ <sup>15.37</sup> +1.96 - 31 Aug 64 200"

4 13.36 +0.86 (-0.40) 60" Sept 26  
 13.27 +0.82 +0.31 200" 20 Nov 62  
 13.33 +0.82 +0.29 " 31 Aug 64

5  
 13.37: +81-34  
 J+H

5 13.44 +1.02 +0.41 J+H  
 13.46 +1.01 +0.49 60" Sept 26  
 13.40 +1.03 +0.44 200" 20 Nov 62  
 13.52 +1.02 +0.46 " 31 Aug 64

6 11.57 +0.29 -0.01 60" Sept 26  
 11.45 +0.32 -0.02 200" 20 Nov 62 11.48 +29 +06 5+H  
 11.55 +0.28 -0.02 " 31 Aug 64

15434cont

(B)	9.59	+0.57	-0.50
(D)	10.08	+0.12	-0.51
2	11.67	+0.34	+0.19
	11.48	+0.36	+0.15
3	12.36	+0.75	+0.27
	12.56	+0.47	+0.29
4	13.36	+0.86	+0.40
	13.27	+0.82	+0.31
5	13.46	+1.01	+0.49
	13.40	+1.03	+0.46
6	11.57	+0.29	-0.01
	11.55	+0.32	-0.02
7	12.49	+0.48	+0.36
	12.45	+0.53	+0.43
8	12.87	+0.47	+0.37
	12.74	+0.47	+0.25

6A	13.34	+80	+0.34
7A	13.39	+89	+31
9	9.26	+0.19	-0.53
10	9.78	+0.24	-0.34
11	8.88	+0.20	-0.48

60" Sept 26

200" 30th Nov 67

317  
Rms 662 21 540 +55 57 11.7.2020

54

11.56 +0.55 -0.18 29 June 60"  
11.55 +0.58 -0.17 30 " "



15600 B 22 02.2 +64 23

3 cup

B 6.44 +0.54 -0.01 27 Ry 63<sup>202</sup>

A 4.41 +0.34 +0.09 1 60" 26 June

C3

~~+3.6~~

13.82 +0.03 -0.72 = 20 Dec 63 2057

00.4

38

ADG 15571 2.1 59.7 +82 44 2.1 dly  
2.9 dcs

FB  
65225P

7.03 +0.52 -0.01

7.10 +0.50 +0.01

1 Aug 64 200"  
Jun 30 1964 60"

7.68 +0.69 +0.20

BRW?

7.55 +0.70 +0.18

1 Aug 64 200"

15434 21 52.7 +62 25 1942

706  
76

706  
760

7.09 +0.24 -0.58 60" 26 Sept  
7.01 +0.27 -55 15 Sept 62  
7.04 +0.26 -0.56 J+H

Nov

7.90 +0.07 -0.73 J+H

7.90 +0.07 -0.73

7.93 +0.08 -69 15 Sept 62

7.97 +0.05 -73 200" 26 Sept

Jan

7.84 +0.08 -0.74 200" 20~~Jan~~ '72

E-40.32

8.14<sup>50</sup> +0.03 -0.71 200" 22 July 63

7.90 +0.06 -0.75 200" 31 Aug 64

1 10.17 +0.09 -0.44 12 July 2004

2 11.71 +0.31 +0.16 12 July 2004

3 12.80 +0.41 +0.29 12 July 2004

4 13.47 +0.50 +0.30 12 July 2004

            
-0.20

ADSI 5434 (12.44 +78 +52) H P<sub>g</sub>

6A 13.34 +0.80 +0.36

200" Nov 20 62

13.44 +0.82 +0.34

" 31 July 64

12.53 +0.68 +0.40 J+H

7A 12.49 +0.68 +0.38 60"

12.45 +0.73 +0.45 200" 20 Nov 62

7A 13.39 +0.89 +0.31 " " " "

13.47 +0.74 +0.35 J+H

8 12.97 +0.47 (+0.37) 60"

12.76 +0.42 +0.25 200" 20 Nov 62

12.81 +0.45 +0.26 " 31 July 64

(12.83 +39 +19) P<sub>g</sub> H

over

9.34 +0.15 -0.44 5th

9.26 +0.19 -0.53 20th " 20 Nov 62

9.31 +0.18 -0.51 " 31 Aug 64

9.83 +0.23 -0.33 5th

9.78 +0.24 -0.34 20th " 20 Nov 62

9.82 +0.22 -0.34 20th " 31 Aug 64

11 8.58 +0.20 -0.48 20th " 20 Nov 62

9.07 +0.18 -0.50 " 31 Aug 64

8.42 +0.17 -0.46 4th

15601 22 02.5<sup>12</sup> +59 37<sup>34</sup> 1960

A 6.64 +20  
6.66 +22 -53  
6.72 +21 -62 26 sent 60"  
6.66 +23 -59 2 1 sent

E 7.00 +62 A 6.67 +0.22 -0.60  
7.05 +04 -2.0 1 B 6.99 +0.02 -0.22  
6.98 +01  
6.94 +02 -23 26 sent 60" D 7.85 +0.06 -0.06

D 7.85 +08 -0.5 3 C 8.90 +1.36 +2.11  
7.89 +04  
+05 -0.6 26 sent 60" F 8.14 +0.03 -0.07

C 8.90 +1.36 +2.11  
8.65 +02  
7.84 +06 -0.7 26 sent 60"  
F 8.15 +04 -0.7 +  
9.10 +01



CN fac  
~~12.10~~

22 04.6 + 46 07 1962

12.10 +0.80 +0.17 July 5 62 2000  
12.22 +0.76 +0.18 " 9 " "  
12.18 +0.78 +0.21 Aug 29 2000

460

11.7  
9.8  
1.9

15679 22 07.4 +44 39<sup>30</sup> 1942

6.61 +0.16 -69 2002  
6.74 -0.3 -25 60" 24 Sent

6.72 -0.3 -26

A 6.72 +0.1 -24

9.97 +32 +11

60" 26 Sent

6.77 -0.4 -25

9.97 +32 +11  
9.96 +33 +16  
9.93 +30 +10  
9.91 +32

6.78 -0.5 -26  
6.79 -0.1 -24

6.73 -0.5

C 14.69 +143 - 60" 26 Sent 14.69 +143 -

15674 22 07.2 +44.36 1550

6.61 (0.16) -0.29 25 Aug 62 200"  
6.73 -0.03 -0.28 26

9.95 +0.32 +0.08 25 Aug 63 200"  
9.91 +0.34 +0.05 26

13.57 +1.25 +0.99 25 Aug 63 200"  
13.50 +1.24 +0.93 26

AD ~~210595~~ 22 09.2 +27 158.605

8.5

14143

Unglaze double sm no

Unglaze 8.63 +0.48 -0.03 4 July 64 100

8.57 +0.42 -0.07 5 Feb 64

ADS15764 22 12.2 +73 07 1962

6.10 +1.04 +0.84 Tad

A 6.09 +1.05 +0.82 26 Sept 62

8.44 +0.15 +0.07 Tad

B 8.51 +0.14 +0.08 26 Sept 62

15719 22 09.6 469 53 1950

5.50 +0.38 -0.06 23 Aug 63 200'  
5.53 +0.37 -0.04 26 " " "

8.64 +0.85 +0.44 23 Aug 63 200'  
8.64 +0.88 +0.44 26 " " "  
8.62 +0.88 +0.44 27 " " "

RU Ney 22 13.0 + 12 31 1944

~~12.67~~ + 0.81 + 0.61

12.67 + 0.81 + 0.61 10 June 64

12.69 + 0.81 + 0.46

~~12.65~~ + 0.77 + 0.46 17 June 64

12.80 + 0.80 - 0.62 15:10 AM  
12:01 AM

12.64 + 0.61 - 0.67 15:17 AM  
14 June 64

12.79 + 0.59 - 0.65 18 AM

~~12.65~~

AOS 15987 22 27.3 +58 10 1950

C 13.69 +0.46 +0.38 200" Jun 42

<sup>v.24</sup>  
B 274 -0.03 -0.30 60" 21 Dec  
6.31 -0.05 -0.29 " 22"  
<sub>13.36  
1.11  
1.25</sub>  
6.27





15902 22 21.5 -5 06

AB 5.77 -0.01 -0.12 18 July 63  
5.81 -0.03 -0.12 19 "  
5.74 -0.04 -0.14 18 Aug 63 new  
5.78 -0.03 -0.13

B 9.79 +0.35 +0.04 18 July 63  
9.74 +0.30 +0.01 19 "  
9.75 +0.34 +0.01 18 Aug 63 new  
9.78 +0.33 +0.02

15862      22      19.4<sup>0</sup>      +46      20<sup>17</sup>      1960

4.57 -10      -50      26 Sept 60"

4.53      -10

4.60      -06      -24      13<sup>ent</sup>

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4.58      -08      -24

4.57 -10 -50

11.53      +24      +06      26 Sept 60"

11.65      +29      (-49)

11.61      +28      +12

11.63      +28

11.60 +25 +06

AD516062 22 23.2 9.13 1963 04 6.4 20  
AD516062 22 23.2 9.13 1963 04 6.4 20

AD516062 22 23.2 9.13 1963 04 6.4 20

6.29 -0.01 10.01 -0.06 20.0 20.0  
6.40 +0.01 10.01 -0.06 20.0 20.0

9.40 +0.48 -0.02 31 July 2000  
9.45 +0.47 -0.05 6 Aug 2000

6156-22/23

(9.25) +0.79 +0.80 ?

(15.35) +1.47 +0.63

July 8 1964

14176 22 31.6 +69 39 6.0 dF2

388

6.00 +0.32 0.00 3000

6.02 +0.32 0.00 6000

1.46  
1.42  
1.3

1.2

1.0

1.0

16111

2.25 gm 7.58 +0.45 -0.05 26 mg 63 200"

7.52 +0.46 -0.06 27

D 8.43 +0.47 -0.07 26 mg 63 200"

8.37 +0.48 -0.07 27

14243

ADSI6173

22 38.4 +14 17 5.8 dB3

5.72 +0.72 +0.19 17 Aug 63

5.74 +0.69 +0.23 28 Sept

5.75 +0.71 +0.21 recd

5.76 +0.75 +0.24 1100"

5.78 +0.73 +0.23 13 Aug 63

---

C 14.88 +1.71 - 3100"

5.75 +0.72 +0.22



A0516111

22

34.9 +72 37 1950

own

AB 7.56 +48 -06

C 12.76 +74 +21

D 8.40 +49 -03

non member

C 12.76 +0.74 +0.21 Jan 1 62  
~~8.23 +0.48 +0.3~~  
 8.36 +0.50 -0.04 5 July 62 200

D 8.37 +0.49 0.00  
 8.45 +0.48 -0.02 26 June 60"  
 8.42 +0.50 -0.04 July 7 62 200

AB

~~7.60 +0.56 -0.01~~

7.59 +0.47 -0.06

7.57 +0.48 -0.06

7.51 +0.48 -0.05

26 feet  
 27 June 60"  
 July 7 62 200  
 9" 200

AB 7.58 +0.44 -0.05 3 20" 7.56 +0.48 -0.02 3 60"  
 C 12.76 +0.74 +0.21 1 200" ~~8~~  
 D 8.46 +0.47 -0.05 3 20" 8.40 +0.49 -0.03 3 60"  
 200"

Mean

AB	7.57	+0.46	-0.06
D	8.43	+0.48	-0.04

(4.1)

(4.53)

G-29-B 22-41-12 -01 39 1543

16.21 +0.31 -0.60 17 June 64 200"  
16.22 +0.15 -0.54 9 Aug 64 100"  
16.14 +0.24 -0.59 3 Aug 64 200"

90

2

16145 AB 22 36.9 -12 52

G156-34 AB 7.76 +0.76 +0.38 27 Oct 42 100"

A 8.58 +0.83 +0.43 } 1 Aug 44 200"  
B 8.57 +0.82 +0.39 }

G156-35 14.65 +1.61 +1.45 1 Aug 64 200"

2.5 55  
Abs/6235 22 43.0 - 2 52

9.36 +0.56 -0.02 4 Sept 62 100"  
9.37 +0.55 -0.01 5 " "  
9.34 +555 -0.15

86 9.43 +0.66 +0.12 4 Sept 62 100"  
9.44 +0.66 +0.12 5 " "  
9.44 +0.67 +0.10 6 " " 100"  
9.44 +64 +11

6-67-23	22	46.6	127	20	1950
14.33	+0.23	-0.66	9	July 64	100"
14.23	+0.21	-0.72	5	July 64	100"
14.40	+0.21	-0.67	13	Jan 64	200"
14.29	+0.20	-0.65	17	"	"
<del>14.39</del>	<del>+0.19</del>	<del>-0.67</del>			
14.31	+0.20	-0.68			
		-0.67			

HD223130

22

45.0

+21

21 846RS

1543

(8.79)

+0.47

-0.05

8 July 64 "100"

ZZ Cep  
A051625b

22 43.4 167 58 1950

AB 8.65 +27 -19 60" 26 Aug  
5.82 +29 -12 200 29 Aug

C 10.89 +44 +27 60" 26 Aug  
10.84 +45 +29 200 29 Aug  

---

10.86 +44 +28



1543  
ADS16326 22 50.4 +5730 27 Dec 63

8.05 7.48 +0.39 27 Dec 63

8.02 7.44 +0.40 2 Dec 63

8.07 7.38 +0.39 26 Jan 64 60"

8.05 7.48 +0.39 27 " " "

8.02 +1.04 +0.87 29 " " "

8.02 +1.03 +0.87 4 Dec 63

14317 22 243.4 161 25 1550

C 11.08 +1.08 +1.01 24 Aug 63 200'  
11.03 +1.09 +0.95 27 " " "

AD51638 / 22 54.1 147 20 1550

16 fac

5.54 -13 -52  
5.56 -18 -83

22222222222222222222  
1600'' 2 East

(11.34 + 40 -

11.36 + 0.41 + 0.04 9 July 62

11.29 + 0.38 + 0.08 29 July 2000

11.36 - 10.39 + 0.15 22 Aug 62

E = 10.115  
11.32 + 40 + 0.0

B-28-27 22 55.6 +0.7 44 1963

~~July~~ 17.31 +0.16 -1.13 5 Aug 64 100"  
17.23 -0.11 -0.85 9 Aug 64 100"  
17.17 0.00 -0.89 3 Aug 64 200"

again

350  
154  
154

ADS  
16393

22 54.6 +72 34

AB

7.39	+0.21	+0.08	26 Aug 63 200°
7.41	+0.23	+0.10	25 Aug 63 200°
(7.98)	+0.18	+0.12	12 July 63 200°
7.37	+0.22	+0.09	14 " "
7.36	+0.15	+0.14	24 Aug 63 200

C

11.50	+0.70	+0.17	26 Aug 63 200°
11.54	+0.69	+0.19	25 Aug 63 200°
(12.15)	+0.68	+0.21	12 July 63 200°
11.52	+0.70	+0.18	14 " " "
11.48	+0.69	+0.17	24 Aug 63 200°

D

8.02	+0.08	+0.01	26 Aug 63 200°
8.03	+0.11	+0.02	25 Aug 63 200°
(8.56)	+0.02	+0.06	17 July 63 200°
7.99	+0.10	+0.01	24 Aug 63 200

CPM with ADS 5600 3 cap

6661454

22 53.3 66 33 1942

9.77 +0.70 +0.11 60" 26 June  
9.80 +0.71 +0.11 27

1405156004 4.44 +0.34 +0.09 60" 24 June

AOS

14407

22 55.7 778 13 1950

9.04 +0.55 +0.03 25 Aug 63 200<sup>4</sup>8.96 +0.58 +0.05 26 Aug 63 200<sup>4</sup>~~8.73~~ +0.60 +0.04 13 July 63 200<sup>1</sup>

8.49 +0.56 +0.04 16 . . .

8.92 +0.58 ~~0.01~~ 24 Aug 63 200<sup>4</sup>

8.96 +0.575 +0.035

8.01 +0.91 +0.58 25 Aug 63 200

8.00 +0.92 +0.52 26 Aug 63 200

A ~~7.83~~ +0.41 +0.54 13 July 63 200<sup>1</sup>7.97 +0.92 ~~0.57~~ 16 . . .7.94 +0.92 +0.54 24 Aug 60 200<sup>2</sup>

7.98 +0.92 +0.56



DD516514 23 05.4 +6.0 36<sup>3</sup> 7.5 2p

10.5 36"

AB 762 + 0.26 + 0.15 31 July 2004

1953  
ADS 16463 23 60.4 +18 23 G-5

8.91 +0.58 0.00 4 July 1954  
8.83 +0.52 -0.02 5A " " "

8.92 +0.55 +0.03 24 Oct 63 20"

ADS 16539

23 063 +10 41 1950

$$\begin{array}{r}
 +0.55 - 0.11 = 5 \rightarrow 60 \\
 \underline{-0.07} \\
 +0.52
 \end{array}$$

AB

$$\begin{array}{r}
 7.60 \quad +0.47 \quad -0.02 \\
 7.62 \quad +0.45 \quad -0.02 \\
 7.59 \quad +0.43 \quad -0.01 \\
 \hline
 7.60 \quad +45 \quad -02
 \end{array}$$

4 Sept 62 100<sup>0</sup>  
 1 July 62 100<sup>0</sup>  
 5 Sept 62 100<sup>0</sup>

North  
 6 months

C/B

$$\begin{array}{r}
 11.18 \quad +0.60 \quad +0.08 \\
 11.14 \quad +0.60 \quad +0.10 \\
 11.05 \quad (+0.57) \quad +0.10 \\
 \hline
 11.16 \quad +60 \quad +09
 \end{array}$$

1 July 62 100<sup>0</sup>  
 4 Sept 62 100<sup>0</sup>  
 5 " " "

AD516557 23 08.0 447 44 1963

A 7.12 +0.64 +0.15 4 Dec 63 60"  
7.22 +0.65 +0.14 31 Aug 64 200"

B 7.85 +0.91 +0.57 4 Dec 63 60"  
7.47 +0.84 (-0.29) 31 Aug 64 200"

ADS16519 23 05.5 +32 36<sup>'963</sup> 6.0 A3  
7.5 8.5

6.32 +0.09 +0.06 5 July 64 100"

7.28 +0.21 +0.07 5 July 64 100"

16599

10.7

23

11.2

+39

16

43

7.57

+0.29

+0.18

21 Dec 62

7.61

+0.28

+0.19

22

7.61

+0.27

+0.18

17 Aug 63 100'

7.62

+0.27

+0.15

18 " " "

7.60

+0.28

+0.18

9.64

+0.45

0.00

18 Aug 63 100'

9.59

+0.52

+0.03

21 Dec 62

9.71

+0.45

+0.07

22

9.64

+0.44

+0.04

17 Aug 63 100'

9.69

+0.45

+0.01

AB Anal 23 09.7 t36 92 1962

A 8.35 +1.03 +0.64 21 Dec  
8.37 +1.01 +0.68 24 Oct 63 100"

10.01 +0.92 +0.55 } 2 Dec 62  
9.95 +0.91 +0.54 } 60"  
9.91 +0.90 +0.53 }  
9.77 +0.89 +0.52 }

9.88 +0.92 +0.54 22 Dec 62  
9.56 +0.87 +0.50 18 July 63  
9.63 +0.87 +0.54 24 Oct 63 100"

B 10.90 +1.11 +0.84 24 Oct 63 100"

9.47 + 19

9.47 + 19

9.52 + 0.21 + 0.9

9.19 + 21 + 12

7.54 + 0.00 - 0.17

7.03 - 0.4 - 1.8

7.06 - 0.4 - 1.8

16561

23

08.4  
67.9

+ 32

13

1982

AD

2

1 SAFL 2600

7.03 - 0.4 - 1.8  
9.48 + 20 + 10



16611

23 11.4 -9 12

7.56 +0.56 -0.04 J

7.56 +0.59

200" 2 Jan

7.58 +0.55

25 Oct 100"

7.60 +0.56

-0.01 26 "

7.59 +0.55

-0.04 28 "

8.19

+0.69

+0.09 50

8.21

+0.72

+0.09 200" 2 Jan

8.22

+0.67

+0.14 25 Oct

8.23

+0.68

+0.13

26 Oct

8.25

+0.67

+0.10

28 Oct

140219175  
D0516611

23 11.4 -09 12 1950

25"

~~7.59~~ ~~+0.49~~ 200" Jan 2 '62

F9V A 7.56 +0.59 -0.05 +17

G3V B 8.24 +0.72 +0.09 +19

*Probably  
188 or 1867  
like earlier*

John

{ 7.56 +0.56 -0.04  
{ 8.19 +0.69 +0.09

AD 51442

23 14.0 ~~=~~ 1 53

Dyodes

W 145948.3264  
AB 7.64 + 655 (1.74)

8.20 +0.65 +0.15 24 Aug 63

8.21 +0.63 (+0.22) 17 Aug 63 100"

A 8.17 +0.64 +0.11 25 Jun 63<sup>100"</sup>

8.18 +0.63 +0.17 18 July

8.19 +0.64 +0.16

8.55 +0.70 +0.18 25 Aug 63 200"

B 8.58 +0.68 +0.19 25 Jun 63 100"

8.55 +0.68 +0.23 18 July

8.56 +0.69 +0.20

34" 2550  
+84.648 23 15.5 +84 20 10.5h  
16.0h

9.27 +0.57 +0.02 13 June 2005

15.62 +1.53 +1.32 13 June 2005

F108

23 17.3 -0.2 03 1963

12.90 -0.28 -1.06 24 Oct 63 100'

16676 23 16.8 -5 24

94 Apr

5.61 +0.39 -0.02 100" 29 Sept  
5.58 +0.37 -0.05 100" 18 Aug 63

10.93 +1.42 +1.06 100" 29 Sept  
10.92 +1.32 + ~~1.06~~ " 18 Aug 63

61  
61  
151  
8 6 1 8 1  
-----  
2 2 2 2 2  
2 7 5

609 >

55 0 55  
55 0 55

54  
54  
54  
54

10 3  
-----  
133  
15

~~55 0 55~~  
55  
337  
15  
10  
72  
72  
10  
10

0 8 0  
22 4  
22 4  
-----  
14 1  
10  
72

ADS 16795

4.91 (A)

AD

4.53  
5.02

23  
-0.12  
-0.12  
-0.4

27.7  
-0.64  
-0.59  
-0.62

2531 71 858

60" 265st  
60" 265st  
60" 265st  
60" 265st

CD

7.10  
7.05  
7.12  
7.10

+0.01  
+0.03  
+0.02  
+0.01

-0.14  
-0.17  
-0.12  
-0.14

60" 265st  
60" 265st  
60" 265st  
60" 265st

F

11.27  
11.24

+0.76  
+0.73

+0.78  
+0.50

60" 265st  
60" 265st  
60" 265st  
60" 265st

Westward  
11.33

+0.76

+0.49

60" 265st  
60" 265st

F

11.06  
11.02  
11.11

+0.63  
+0.62  
+0.62

+0.02  
+0.03  
+0.4

60" 265st  
60" 265st  
60" 265st

Q

11.07

+0.62

+0.05

60" 265st  
60" 265st  
60" 265st

11.14  
11.11

+0.64  
+0.61

+0.22  
+0.05

60" 265st  
60" 265st  
60" 265st



16795 Count

A	4.95	-0.12	-0.62	3
C	7.10	+0.02	-0.14	4
E	11.28	+0.75	+0.50	3
F	11.06	+0.62	+0.03	3
G	11.11	+0.63	+0.05	3

AD514713

23

<sup>20.3</sup>  
21.0

+20

<sup>17</sup> 1963

22 6.6 d60

9.4 d106

B 9.76 +1.06 +0.74 } 5 July 64 100"

A 6.62 +0.60 +0.41 }

27.9  
DOS 16800 23 28.4 + 30 34 1550  
36 1962

7.39 +0.47 +0.04 5 Sept 62 100  
AB 7.35 +0.51 0.00 29 Aug 62 200  
7.41 +0.53 +0.02 4 Sept 62 100  
7.35 +0.50 +0.02

9.89 +0.61 +0.17 6 Sept 62  
C 9.87 +0.62 +0.09 29 Aug 62 200  
(9.90 +0.80 -0.04) 4 Sept 62 100  
9.90 +0.59 +0.14 5 Sept 62 100  
9.89 +0.61 +0.12

6128-72 ✓ 23 29.6 24 42

15.25 +0.22 -0.58 20 Dec 43 2008

417 59 77  
69 23 91.4 26 +32 15 1950

A 11.80 +1.40 +1.23 Dec 8 61 100'

x 11.68 +1.59 +1.34 Sept 14 62 100'

- 11.66 +1.54 +1.15 July 8 62 200'

- 11.84 +1.72 +1.02 Aug 29 62 200'

x 11.56 +1.63 +1.20 Dec 13 63 100'

- 11.74 +1.55 +1.08 Dec 20 63 200'

11.73 +1.55 +1.19 Normal

11.69 +1.56 +1.08 3 200'

11.68 +1.53 +1.24 3 100'

154  
119

~~LOS 1512-34      23      71.4      ±32      15      1950~~

~~A    71.56    +1.63    +1.20 } #3 Dec 63 100'~~  
~~B    1262    +0.31    -0.49 }~~

~~dM3-4 A    11.80    +1.40    +1.23    100"    Dec 8 61~~

DA    B    13.01    +0.16    -0.57    100"    "

~~A    11.68    +1.59    +1.34    100"    Sept 29 62~~

~~A    11.64    +1.54    +1.15    200    July 8 62~~

~~B    12.91    +0.14    -0.62    "    "    "~~

A    12.84    +0.17    -0.62    200    Aug 29

~~B    11.64    +1.72    +1.02    "    "    "~~

July 5736 23 40.1 + 44 00 1943

12.29 + 1.92 + 1.48 1943/July 9 1904

WDS 1512-340 23 464 +32 15'

13.01 +0.16 -0.57 100" 800001  
12.62 +0.31 -0.49 130000 1543100"

12.95 +15 -63 110000

12.91 +14 -62 July 8 62 200'  
12.84 +17 -62 Aug 24 .. 200'  
12.94 +15 -59 Dec 20 63 > 200'

12.90 +15 -61



14960

23

52.5

+28

21

23

21

23

21

23

-203

John

11

2.47

+401

+0.66

29

My

62

John  
20

2.49

+102

59.04

25

2

5

5

7.50

+102

+0.71

5

2.49 +101 +0.67

Varied

SB(7)

Novel

7.4

-7.6

+102

+0.675

8

Novel

EB 0.37

✓ 4994

23 55.4 +15-41 9.70-d63

Urey

+15-0.4915-

9.93 +0.64 +0.14 24 Oct 63

Dec 26 9.46 +0.62 +0.19

160

Oct 27 9.66 +0.62 +0.09

9.54 +0.59 +0.13 25 Nov

24 Oct 63

9.48 +0.63 +0.11 26 Nov

611.05 +0.58 +0.08

10 July

9.52 +0.62 +0.08

11.09 +0.60 +0.05

16 Aug 63

19 July

10.03 +0.61 +0.14 14 Aug 63

10.78 +0.32 -0.03

16 Aug 63

10.62 +0.45 -0.01

Ep + Red 12.71 +0.60 +0.30

24 Oct 63

10.56 +0.47 0.00

V114

6522

A	12.49	+1.72	—	14.21
B	11.83	+0.44	—	12.27
I	14.88	+2.07	—	
N	16.77	+0.64	—	41
L	16.19	+1.70	—	

+2302622B 14.93 +0.63 +0.02 12 Jan 2004

+2292622B 14.72 +0.94 +1.11 14 Jan 2004

AD517135

23 55,8 +51 071950

Plan

11.08 +0.53<sup>3200</sup> B

11.10 +0.54 +0.1460

11.09 +54 0.00  
11.11 +0.56 +0.02

11.05 +0.55 +0.02

11.12 +0.53 (-0.12)

11.08 +0.52 -0.01

11.11 +0.53 +0.03

11.12 +0.55 -0.01

Sept 1

Jan 2 '62

July 7 62<sup>200</sup>  
8 "

25 Aug 62 60"

" " " 60

243  
11.06 +2.31 +66

A

11.09 +2.34 +75  
11.06 +2.27 -0.04

11.13 +2.23 +0.07

11.30 +2.25 +0.71  
11.28 +2.29 +0.72

Sept 2  
Sept 1

July 7 62 200"

25 Aug 62 60"

124-01 23 40.8 +1430 1950

14.37 +0.46 -0.26 Oct 27  
(14.57 +0.22 -0.19) Oct 25

14.34 +0.43 -0.24 Sent 29 100"  
14.35 +0.42 -0.27 Oct 24 "  
14.37 +0.44 -0.22

14.10 +1.22 +1.07 Oct 25 100  
14.14 +1.15 ~~+1.21~~ Sent 29 100"

14.13 +1.19 (+0.84) Sent 30 "  
14.17 +1.15 +1.07 <sup>74</sup> Oct 24 "  
14.22 +1.16 +1.22 Oct 27

14.37 +0.44 -0.23 (4)  
14.14 +1.17 +1.14 (5)  
A B

ADS 16830      23    31.0    +17    33    1950

Rezerlogp.

6.80 +0.68 +0.20

13.16 +0.90 +0.38

Very ft up  $10^{14}$   $N^{2000}$   
→ A 6.84 +0.69 +0.21  
B 13.15 +0.96 (+0.43)

200 " 2 June 62  
non member

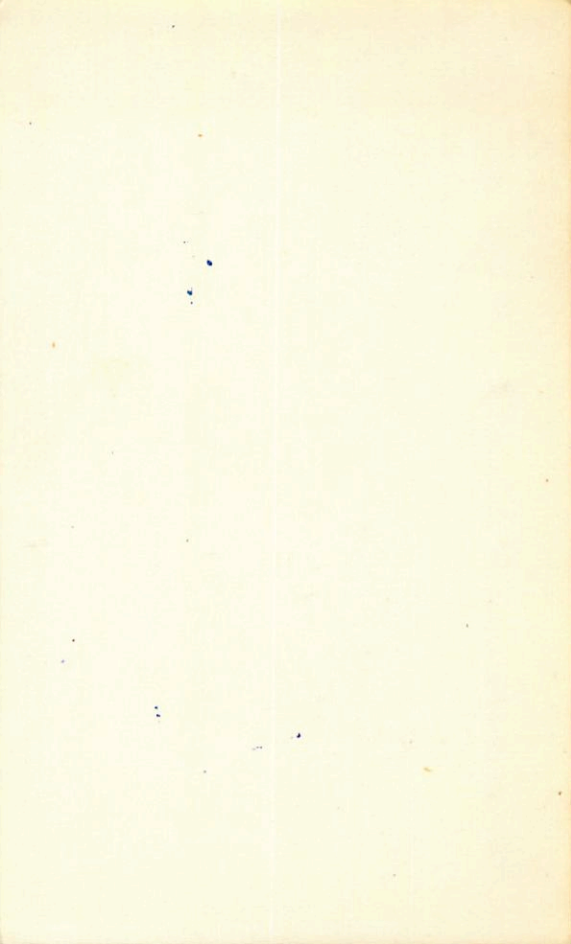
A 6.80 +0.66 +0.19    200    29 Aug 62

B 13.19 +0.83 +0.33    "    29 Aug 62

AD Amd 23 348 +48 27 1940

9.34	+0.42	-0.01	200" Jan 2 62
9.38	+0.41	-0.02	60" Aug 25 62
9.40	+44	-0.02	150" 62 60"
9.34	<u>+42</u>	-0.3	2
	+42	-0.2	





AG-11856

23	59.9	110	30	1910
8.50	+0.54	+0.02	18	Aug
8.54	+0.53	+0.05	15	Aug
8.57	+0.53		14	Aug
8.50	+0.56	+0.04	18	July 63
8.56	+0.51	+0.02	20	"
<u>8.53</u>	<u>+0.53</u>	<u>+0.03</u>		(9)

~~AG-117150~~

8.72	+0.54	+0.06	18	July 63
8.77	+0.55	+0.05	20	"
8.77	+0.54	+0.07	16	Aug 100
8.75	+0.57	+0.07	17	"
8.70	+0.58	+0.04	18	"
<u>8.74</u>	<u>+0.57</u>	<u>+0.06</u>		(9)

L05683 19 32.9 -13 34 1950

~~12.12 +0.11~~

15.82 -0.03 -0.52

5 May 62 <sup>100</sup>

~~16.31 -0.30 -0.68~~

7

15.99 +0.08 -0.70

30 May 62 <sup>100</sup>

15.90 +0.03 -0.82

28 June 62 <sup>100</sup>

13.43 +1.43 +1.36 <sup>13.2</sup>

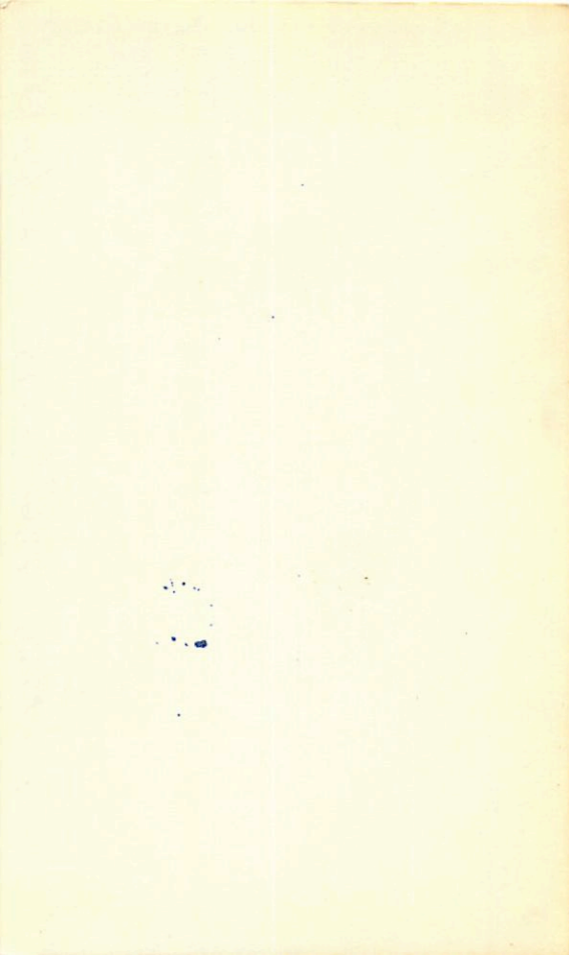
5 May 62 <sup>100</sup>

13.52 +1.49 +1.71

7

13.69 +1.49 +1.65

28 June 62 <sup>100</sup>



V 417 Agl 19 33.1 +0.5 44 1950

C 11.10 +0.36 +0.25 17 Aug 62 100"

10.47 +0.63 +0.06 18 Aug 63 100"

10.41 +0.65 +0.11 17 Aug 63 100"

10.48 +0.63 +0.06 May 28 62<sup>100"</sup>

10.50 +0.62 +0.07 June 28 100"

10.68 +0.62 +0.07 1 July 62"

10.78 +0.65 +0.10 2 " "

---

~~10.5-10.8 +0.64 +0.08~~

ADS12765 19 38.3 +33 53 1942

12.41 +0.44 6 July 64 100"  
12.52 +0.39 7 July 64 100"

C 13.68 +1.29 +0.71 July 7 62 200

ADG127<sup>2</sup>/5

19

36.5<sup>2</sup>

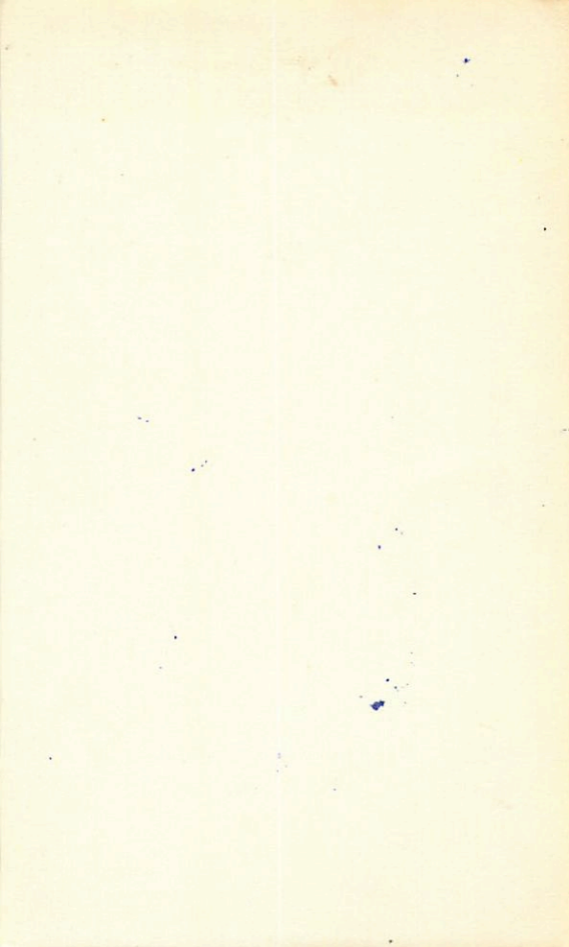
-10<sup>27</sup> 26

1962<sup>2</sup>

A	8.07	+0.19	+0.10	25 June 62 100"
	8.01	+0.18	+0.15	45 Sept 62 100
	<del>8.21</del>	.		

B	9.53	+0.43	+0.06	25 June 62 100
	9.42	+0.43	+0.09	45 Sept 62 100
	9.47	+0.43	(+0.15)	5 " " 100

C





VV127 19 33.6 734 34 1963

14.5-15.3 0.87

14.23 +0.70 +0.14 1 Aug 64 200"  
13.38 +0.72 +0.30 2 " " "  
14.96 +0.72 +0.20 } 6 " " "  
15.00 +0.74 +0.20 } 6 " " "

VV 89 19 5-7.39 432 34 1952

22:00  
13.77 +1.51 +1.24 22:00 PM Aug 29 2000  
14.03 +1.88 +1.57 29:09 Sept 4 2000  
14.16 +1.78 +1.83 19:20 Sept 29 62 100"  
14.10 +1.84 +1.47 19:20 " " "  
( 15.26 +0.82 +0.26 14:25 AM June 13 64 2000 )  
14.28 +0.55 +0.07 14:20 AM July 14 64 2000  
13.78 +1.88 +1.47 12:00 midn. Aug 6-7 1964<sup>2000</sup>

VV87 19 36.3 +32 23 1950

10.58 +0.78 +0.59 28:29 Sept 4 62 100"  
10.65 +0.80 +0.63 28:53 " 5 " "  
10.79 +0.94 +0.64 19:00 Sept 29 100"  
10.79 +0.93 +0.63 19:10 " 30 "  
10.66 +0.82 +0.59 14:00 AM Jan 13 200"  
10.60 +0.84 +0.59 11:40 PM 1 Aug 64 200"  
10.74 +0.88 +0.62 10:50 PM 2 " " "  
10.65 +0.84 +0.57 11:20 PM 6 Aug 64 200"

J Agl  
ADS 12737

19 36.7 +05 17 1950

5.18 -0.01 -0.61 5 Sept 62 100

C 12.52 +1.52 -

Sept 5 62 100"

14.29 +0.79 +0.37

12.30 +1.61 +1.74

12.32 +1.64 ~~+~~

July 8 62 200

Sept 9 62 200

Sept 5 62 100

0 14.07 +0.71 +0.16 July 6 200  
VV12 14 40.0 +37 52 1950

an 12.25 +0.54 +0.05 June 11  
13.17 +0.57 +0.00 10

1 13.94 +0.44 +0.33 June 8 62 200

14.59 +0.75 +0.36 9

14.00 +0.54 +0.30 10

14.73 +0.71 +0.34 11

11:43 AM 14.16 +0.67 +0.30 July 5

11:27 " 14.21 +0.58 +0.27 July 6

12:40 AM 14.31 +0.66 +0.31 " 8

13:42 11 13.39 +0.30 +0.28 July 9

12:25 AM 14.50 +0.72 +0.35 July 10  
8:10 14.08 +0.67 +0.34 204209 200

PM  
11:45  
13.35 +29 +26 Aug 64

14.39 +72 +32 10:50  
PM 2 Aug  
64

U3

11.19 +1.49 +1.10 8:58 Sat 4 62 100"

EZ Cyy

19 5-5.9 +30 08

11.95 +0.32 -0.31 ? 29 Aug 200" 9:30

11.7-13.0

10.74 +1.26 +1.00 2:52 AM June 29 100"

11.9

10.66 +1.29 +1.01 1:55 AM " 30 "

10.73 +1.31 +1.10 1:40 AM 1 July 100"

10.91 +1.46 +1.29 1:30 AM 2 " " "

11.06 +1.54 +1.39 11:45 PM 2 " " "

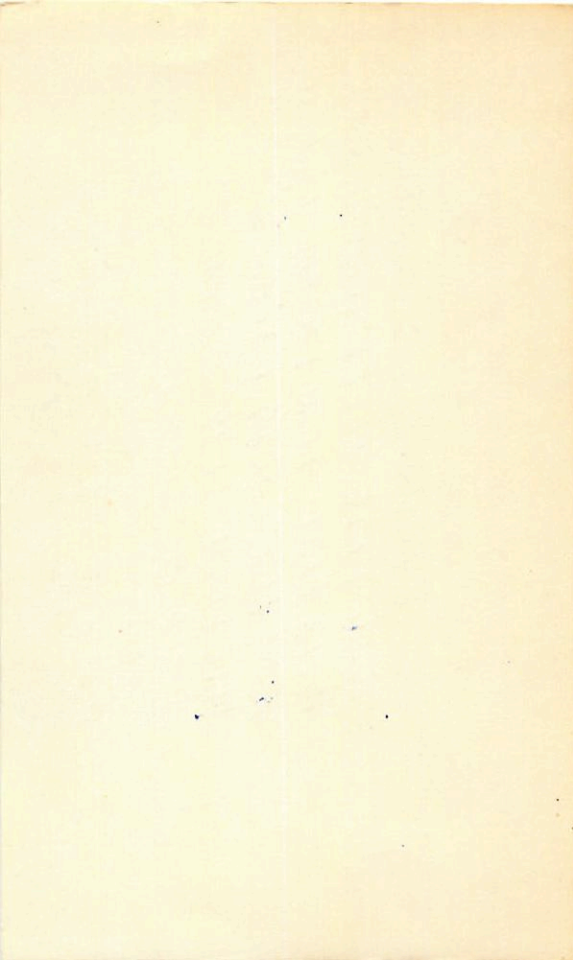
11.41 +1.79 +1.52 11:35 " 5 " 200

11.40 +1.75 +1.45 11:20 " 6 " "

11.33 +1.60 +1.22 12:25 AM 8 " "

11.20 +1.36 +1.11 12:50 " 9 " "

11.06 +1.37 +1.09 12:20 " 10 " "



QY Log 19 57.0 237 30 1450  
 14.28 +0.80 +0.56 14:00 AM June 14 64 200"  
 14.98 +1.16 +0.63 12:00 PM July 5 62 200"  
 14.05 +0.78 +0.57 12:15 AM " 7 " "  
 14.70 +0.97 +0.53 12:45 AM " 8 " "  
 14.92 +1.04 +0.66 13:37 " " 9 " "  
 15.09 +1.11 +0.69 12:35 " " 10 " "  
 14.75 +1.06 +0.65 9:45 PM 29 Aug 62 200"  
 15.00 +1.13 +0.67 11:00 PM 25 Aug 63 200"  
 14.95 +1.13 +0.68 14:10 AM 13 June 64 200"

$14.9 - 15.8$   
 $21.9$

4:00 AM June 14 64 200"  
 13.56 +1.00 +1.10  
 14.54 200"



GI Copy 19 57.6 +33 36 1550

11.06 +1.42 +1.11 11:40 PM 9 July 62 200

11.79 +1.51 +1.28 1:47 AM 29 June 62 100"

11.94 +1.59 +1.37 12:30 " 30 " "

~~11.79~~ <sup>12.06</sup> +1.58 +1.39 00:12 " 1 July " "

11.78 +1.39 +1.07 00:15 " 2 " " "

11.44 +1.25 +1.02 10:52 PM 2 " " "

11.96 +1.62 +1.26 10:05 " 5 " 200

12.00 +1.64 +1.29 10:20 " 6 " "

11.69 +1.38 +0.97 11:33 " 7 " "

11.47 +1.29 +0.98 12:05 AM 9 " "

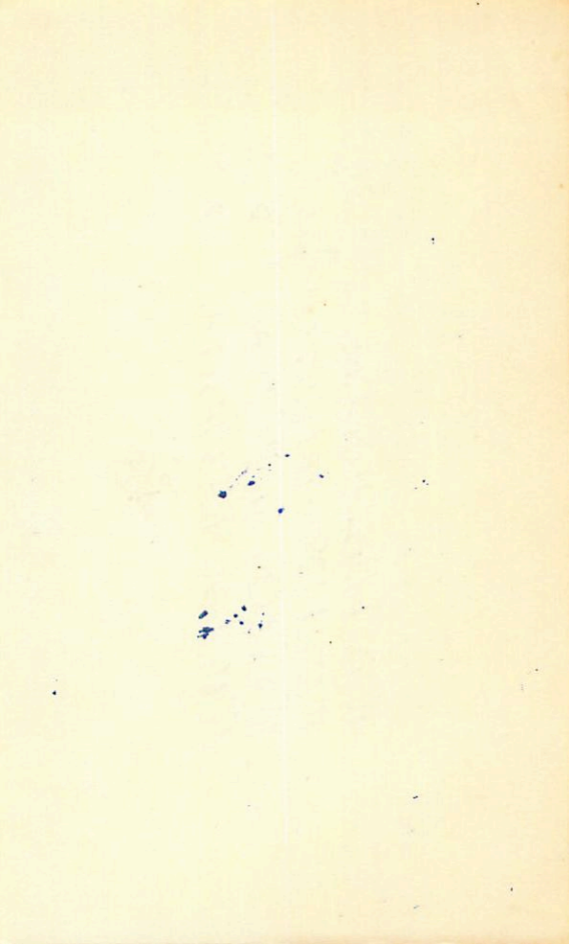
13.17 +0.38 +0.18 1 July  
B 13.15 +0.37 +0.18 20 June 62 100"

GH Cyy 19 5-7.1 +29 19.0

10.5 - 11.7

7.6<sup>d</sup>

10.03 +1.38 +0.99 2:58 AM June 29 62 100 "  
10.13 +1.42 +1.04 2:00 " " 30 " "  
10.27 +1.38 +1.0 11:45 AM July 1 " "  
10.23 +1.34 +1.00 1:35 AM 2 " "  
9.89 +1.20 +0.83 11:50 PM 2 " "



V3836y

20 27.0 +33 58.0

12.0-13.1

4.6

11.13	+1.71	+1.41	2:15 AM June 29 <sup>62</sup>	100"
11.14	+1.67	+1.32	12:50 AM "	30 "
10.60	+1.40	+1.10	06:50 "	July " "
10.78	+1.52	+1.24	00:55 2 "	" "
11.01	+1.63	+1.34	11:15 PM 2 "	" "

BXJlef

20 19.1 +18 19

11.89 +0.45 +0.30 12 July 64 100" 10:00

11.4-12.4

12.27 +0.66 +0.37 19:00 27 Oct 62

dog Cup.  
1.09 Cup.

12.55 +0.64 +0.46 30 June 62 100"

11.84 +0.43 +0.30 4 Sept 62 100

12.00 +0.40 +0.25 5 " " "

A  
11.29+42-03

12.28 +0.54 +0.34 20:10 Sept 29 100"

B 12 July 64 100"

12.59 +0.63 +0.38 20:15 " 30 "

11.26+0.19+0.06

12.53 +0.67 +0.46 24 Oct 19.45

12.49 +0.69 +0.31 25 " 18:45

12.14 +0.60 +0.41 28 20:00

$$u = +169$$

$$v = -137$$

$$w = +87$$

~~and for each  
for CENr;~~

EP log

19 43.1 +31 13 1950

B.1-14.2

12.65 +1.67 +0.82 2:24 AM June 29 "100"

4.13

12.85 +1.29 +0.95 1:26 AM "30 "

13.01 +1.29 +0.98 0:57 AM July 1 "

12.87 +1.18 +0.87 1:00 AM July 2 "

12.49 +1.05 +0.71 11:22 PM 3 July "

13.08 +1.39 +0.91 11:11 PM 5 July

12.25 +1.03 +0.72 10:55 " 6 " " "

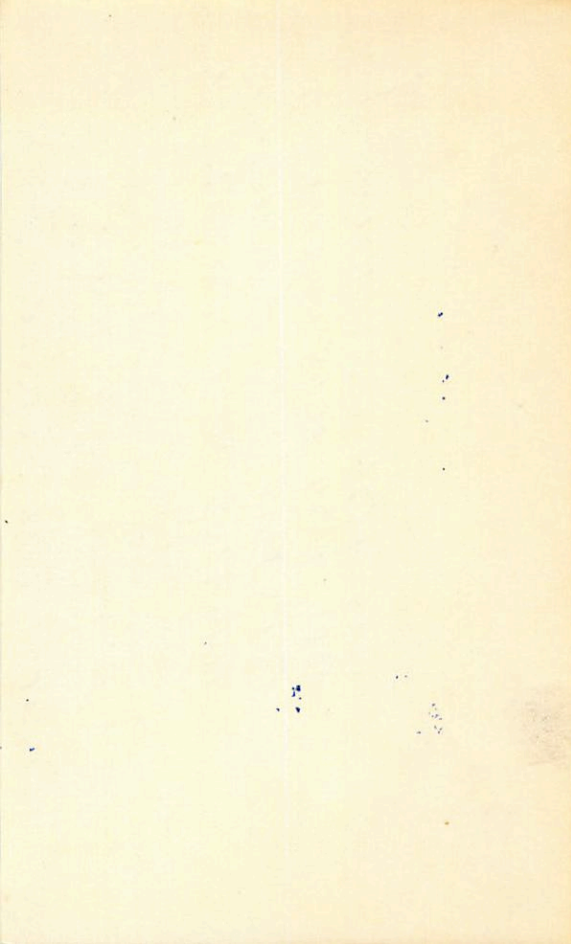
12.73 +1.25 +0.79 11:55 " 7 " " "

12.92 +1.33 +0.94 12:35 AM 9 " " "

13.09 +1.35 +0.94 12:05 AM 10 " " "

B

13.39 +0.34 +0.30 30 June 62 100 "

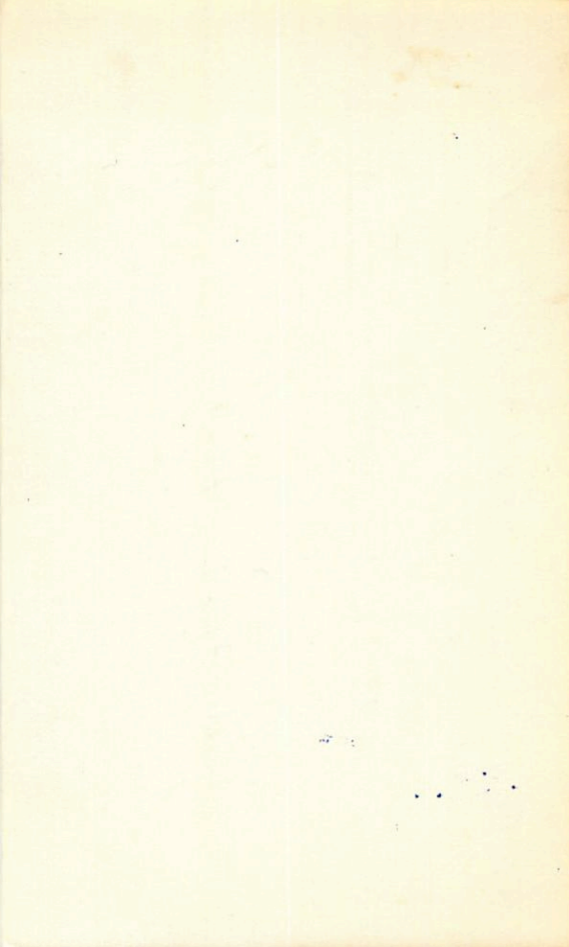






Gh Cyp 20 01.8 +39 01

13.46	+0.89	+0.86	10:30	Aug 29	
15.85	+1.57	+1.92	11:15 PM	25 Aug 63	200
14.00	+1.24	+0.85		Jan 8 62	200
13.43	+1.05	+0.72		9	
13.86	+1.23	+0.91		10	
14.04	+1.29	+0.94		11	
13.95	+1.33	+0.87	12:26 AM	July 6	11
13.24	+1.10	+0.68	12:25 AM	7	"
13.84	+1.28	+0.77	12:55 "	8	"
13.99	+1.31	+0.87	13:25 "	9	"
13.25	+1.04	+0.71	12:45 "	10	"



VV 90 19 59.2 +30 48 1950

4

6.96

12.55 +1.45 +1.31 10:24 29 Aug 200

13.27 +1.87 +1.70 19:30 29 Sept 100"

14.48 +0.80 +0.25 2:15 AM 14 July 63 200"

12.63 +1.54 +1.20 00:20 AM 2 Aug 64 200"

12.82 +1.59 +1.32 05:10 AM 3 " "

V336 *lyg*

19 58.1

f38 38 1950

14.51 +1.22 +1.15 10:50 25 Aug 63 200"

14.77 +1.30 +1.31 10:10 29 Aug 200"

14.45 +1.15 +1.01 8:10 AM July 10 62 200"

15.47 +1.49 +1.51 2:38 AM July 15 1963 200"

14.50 +1.20 +1.01 June 8 62 200"

16.05 +1.43 +1.53 9

14.82 +1.30 +1.17 10

15.00 +1.35 +1.34 11

14.43 +0.93 +0.55 13:00 AM July 5 200

14.36 +0.97 +0.60 12:05 AM " 7 "

14.56 +1.11 +0.57 13:20 AM " 8 "

14.47 +1.13 +0.72 14:00 " " 9 "

-N 14.00 +0.63 +0.12

14.08 +0.59 +0.44 23kg 63 200'

13.99 +0.61 +0.39