

ADS 2565 3 26.2 +55 17 1950

B 10.01 +1.045 +0.70 200" Nov 2/36
10.07 ~~5~~ +1.03 +0.77 200"

A 5.07 +0.5 +0.3 5

W1904 3 25.6 +37 13 1950

CC235

G95-39

11.13 +1.30 +1.06 100" Dec 861
10.607 +1.37 +1.09 200" Jan 42

11.11 +1.32 +1.06 1P

11.12 +1.31 +1.06

-3

3.14
1.11
2
2.22

4.7
2.33
4.1
1.8
1.3
1.4
1.5
1.6
1.7
1.8
1.9
1.10
1.11
1.12

W1800

3

13.2

+37

56

1950

G-95-20

CC217

levy #?

<u>10.93</u>	+0.78	+0.36	100" Dec 8 61
<u>10.55</u>	+1.22	+1.02	60" 26 Sept
10.76	+1.21	+0.95	60" 21 Rev
<u>10.75</u>	+1.24	+0.97	" 22"
10.69	+1.22	+0.97	
10.66	+1.20	+1.01	11R

AD52564 3 26.6 +52.44 7.9110

7.33 +1.40 +1.35 17 Dec 63 2005

7.27 +1.39 +1.35 18 Dec 63 2005

7.27 +1.37 +1.32 20 " "

7.29 +1.39 +1.34

10.39 +0.59 +0.10 18 Dec 63 2005

10.41 +0.40 +0.09 20 " " "

10.45 +0.40 +0.13 17 Dec 63 2005

10.42 +0.60 +0.11

ADS 2218

2592

3

^{29.5}
30.3

+58

³⁶

38 1462

A	6.38	+0.15	+0.11	26 Sept 62 60"
	6.39	+0.15	+0.15	21 Dec 62 "
	6.43	+0.17	+0.15	27 "
	<u>6.40</u>	<u>+0.16</u>	<u>+0.14</u>	

B	7.89	+0.39	-0.04	26 Sept 62
	7.90	+0.42	-0.02	21 Dec
	<u>7.92</u>	<u>+0.42</u>	<u>-0.01</u>	22
	7.90	+0.41	-0.03	

A052616 3315 484 18 1950

5.95 +0.14 +0.16 26 Oct

~~+0.13~~ +0.17 down
5.95 +0.12 +0.18 Oct 25 62 "

A0 5.86 +0.12 +0.19 March 10 1962 100 -

5.96 +0.11 +0.15 29 Sept 42 100

~~5.94~~ +0.11 +0.13 30 " " "

C 9.76 +0.55 -0.02 March 10 1962 100 -

9.91 +0.50 +0.02 25 Oct 62 100

9.92 +0.48 +0.02 29 Sept 62 100

9.92 +0.46 -0.02 30 " "

~~6.92~~ +0.52 +0.02 26 Oct

637-44 3 330 +32 05 1563

15.50 +0.22 -0.53 23.02x63^{60"}

15.51 +0.20 -0.57 14" "

2612 3 31.7 + 59 54 1942

	6.43	+0.43	-0.05	60	23.22
AB	6.47	+0.41	-0.08	60"	26.54
	6.43	+0.41	-0.06	"	21.22
	<u>6.43</u>	<u>+0.42</u>	-0.06		

C	10.62	+0.67	+0.11	60"	26.54
	10.77	+0.64	+0.11	"	27.52
	<u>10.65</u>	<u>+0.70</u>	<u>+0.12</u>	"	27
	<u>10.60</u>	<u>+0.67</u>	<u>+0.11</u>		

6-80-11 33.9 14 12.27
3 38.2 +00.26

77-604

6540 0.390

ADS 2644B

C 14.04 13.11 +0.90 100" 10 Dec 63
14.17 13.19 +0.92 " 15 "

A 5.87 5.39 +0.40 100" 15 Dec 63
5.41 +0.385 3 Jan 77
+3.55

A 5.87 +0.92 +0.44 (4)

C 14.33 +1.45 +0.97 (3)

PHL 4460 A/B 3 33.0 -2430 1950

15.5 blue

12.0 yellow 12.02 +0.61 +0.22 Oct 25 62 100''

14.99 +0.57 +0.20

637-44

32.2 + 32 02 1550

15.49	+0.21	-0.54	120063100"
15.51	+0.20	-0.57	140063"
<u>15.50</u>	<u>+0.22</u>	<u>-0.53</u>	13"
15.50	+0.21	-0.55	

2699

3

39.2

+33

48

1950

40P_u

A	4.97	-0.05	-0.83	30 Sept 62 ¹⁰⁰
	4.97	-0.04	-0.79	25 Oct "
	5.01	-0.01	-0.84	22 Dec 62 60"

B	10.07	+0.23	+0.17	30 Sept 62
	10.06	+0.24	+0.18	25 Oct "
	10.36	+0.28	+0.20	26 " "
	10.21	+0.29	—	22 Dec 62

ADS 2641

3 36.6 +16 23 1950

6.16 +1.00 +0.69

B ~~10.13~~

13.73 +0.78 +0.19 200" Nov 2/3 61

13.81 +0.76 +0.21 200" Jan 62

13.80 +0.76 +0.19 200" "

13.80 +0.76 +0.19 3

2650

3

36.4

+63

35.5

43
45

6.83 +47 -03 26 Sept 62 40'

It

6.75

+45

6.90

+46 -08

2 Sept

8.20

+83

+39

8.20

+81

+30

3 Sept

8.19

+84

+39

26 Sept 62

BC

C. N. Tan 3 43.6 +25 14 1950

	16.01	+0.73	+0.12	2 Jan 62
	11.87	+0.65	+0.08	3 Feb 62 100
	11.77	+0.66	+0.09	29 Sept 62
	11.52	+0.62	+0.12	30 " "
went to	11.51	+0.62	+0.10	24 Oct 62 100
	16.00	+0.92	+0.35	2 Jan 62

CUTAN 3 43.6 +25 14 450

11.69 +0.67 +0.08 18 Aug 63 100"

11.87 +0.65 +0.08 37 Oct 63 100"

11.77 +0.66 +0.09 29 Sept 62 "

11.52 +0.62 +0.12 30 " "

11.51 +0.62 +0.10 24 Oct 62 100"

11.85 +0.65 +0.10 17 Aug 63 100"

11.60 +0.66 +0.11 24 Oct 63 100"

11.88 +0.33 +0.07 24 Oct 63 100"

11.94 +0.31 +0.24 17 Aug 63 100"

11.90 +0.33 +0.24 18 " " "

24 Oct 63

HIF 600 8.31 +26 +15

HT 579

↓

A 12.64 +1.04 +0.62 24 Oct 63 100"

3 43.0 +68 31 1950

+68° 27'

~~AB~~ 9.26 +130 +1.18 60" 26 SUT 62

BC 10.60 +1.55 +1.19 60" 26 SUT 62

~~WCF 504~~ 3 43.2 +24 58 1550

AHTau

~~11.38~~ +0.62 +0.03 24 Oct 63 100"
11.40 +0.63 +0.02 Aug 17 63 100"

11.8 - 12.5

11.40 +0.62 +0.03 Aug 17 63 100"

0.33

10.51 +0.66 +0.10 Jun 26 62

24 Oct 63

~~10.23 +0.61 +0.07~~ ~~24 Oct 63 100"~~

D 13.88 +0.71 +0.17

11.99 +0.66 +0.15 32 Feb 62 100"

10.49 +0.68 +0.10 26 Dec 62 100"

11.78 +0.76 +0.17 27 Dec 62 100"

= Old HI 1350

A 12.00 +0.64 +20 17 Aug 63

C 12.66 +72 +18 17 Aug 63

11.97 +0.68 +18

12.60 +73 +15 18 11 63

11.88 +0.68 +20

12.59 +72 +15 24 11 63

Section
2790
32928
5.5h
5.8h

11k
1021
20k
2.0h
5.5h

13008
1346
1608
5.8h

695-59 3 46.8 +43 18 1950

11.1
14.8 9.8

13.79 11.90 +0.78 19 Dec 63 100¢
13.21 11.60 +0.54 15 " " "

1.60

13.71 +2.07 -
13.62 +2.09 -

13.36 +2.00 +2.08

13.37 +2.01 +2.04

13.39 +2.04 +2.07 ←

11.52
1.62
10.50
1.60
8.90

ADS 2768 AD 3 44.9 +51 53 1950

8.69 +0.77 +0.28 4W63 60"

$$\begin{array}{r} 6.11 \\ 5.9 \\ 2.75 \\ 3 \\ \hline 944 \\ 550 \\ \hline 394 \\ 3120 \\ \hline 3514 \end{array}$$

(0.20)

0.16

11 = .0215

EQ Tan 3 45.3 +22 10 1950

11.45 +0.74 +0.18 14 sec 63 100"

11.30 +0.75 +0.12 13 sec 63 100"

10.87 +0.74 +0.17 100" 1 sec 8

10.55 +0.69 +0.19 1" sec 63 100"
11.34 +0.74 +0.19 200" 1 Jan 62

11.29 +0.71 +0.14 200" 2 "

10.9 +0.73 +0.17
11.4

a 10.48 +1.19 +0.91 100" 1 sec 8

G 95-59

3

~~4/10~~ ~~18~~

⁴³ ~~14~~

~~18~~

1950

~~1052752~~

13.42 + 1.96 + 2.28

~~8.14~~ ~~+ 0.76~~ ~~+ 0.20~~ 100" ~~112861~~

13.42 + 1.96 + 2.28

13.37 + 2.01 + 2.06

0.30 + 2.01 + 2.04

13.42 + 2.07

~~13.37 + 2.00~~

13.35 + 2.01 + 2.06

13.37 + 2.01 + 2.06

200' ~~112863~~

13.30 + 2.01 + 2.04

" "

~~8.74~~ ~~+ 0.87~~ ~~+ 0.48~~

100" " "

13.36 + 2.00 + 2.08

(3)

ADS 2837

3 50.6 -1 59 85FF

1950

~~A~~

8.95 +45 -02
8.98 +42 -02

12 dlu 63.10"
13 " " " "

BC

10.02 +85 +40
10.04 +84 +41

12 dlu 63.10"
13 " " " "

LB 1497 3 49.9 + 2451 1963

16.50 -0.21 -1.10 4 March 2000"

16.55 -0.20 -1.10 5 " "

16.52 -0.205 -1.10

EQTans

X	12.36	+0.70	+0.12	13 Dec 63 100"
	12.37	+0.66	+0.13	14 " " "
	12.35	+0.67	+0.14	4 Mar 64 200'
Y	12.58	+0.71	+0.06	13 Dec 63 100"
	12.58	+0.67	+0.10	14 " " "
	12.55	+0.68	+0.09	4 Mar 64 200'
Z	12.11	+0.67	+0.10	13 Dec 63 100"
	12.19	+0.58	+0.12	14 " " "
	12.13	+0.56	+0.21	4 Mar 64 200'

HG7-105 4 05.7 +12.04 1950

11.29 10.44 +0.58 10.22-6.3 100"

11.27 +132 +1.26 J

2849 3 518 75 03 1550

A 7.42 +0.39 +0.17 79 Sept 62
7.41 +0.38 +0.15 30 " "
7.43 +0.36 +0.13 14 Sept 63 60"
7.38 +0.41 +0.11 15 " "
7.41 +0.38 +0.14

BC 8.91 +0.33 +0.11 79 Sept 62¹⁰⁰
8.88 +0.31 +0.11 30 " "
8.94 +0.29 +0.07 14 Sept 63 60"
8.93 +0.34 +0.04 15 " "
8.92 +0.32 +0.08

3 Feb 3 51.4 +31 46

D 9.90 +0.37 +0.22 000" 24 Nov 62

YYEi 4 09.8 -10 36 1950

29 Dec 62

A 11.19 +0.56 +0.09

8.32 +0.68 +0.23 ✓ 267663 100

(8.86 +0.70 +0.17) ✓ 5 Sept 100 "

8.17 +0.66 +0.12 ✓ 30 Sept 100 "

8.17 +0.65 +0.16 ✓ 25 Oct 62 100 "

8.26 +0.66 +0.15 ✓ 26 " "

8.18 +0.65 +0.15 : 27

8.56 +0.69 +0.15 26 Dec 62 100 "

8. 8.25 +0.65 +0.17 ✓ 29 " "

~~8.15~~ +0.69 +0.22 257663 100 "

2894 3 55.0 -01 18 1950

8.07 +1.13 +1.01 29 S_W 62
8.06 +1.11 +1.01 30 " "

11.41 +1.53 +1.15 29 S_W 62
11.56 +1.52 +1.09 30 " "

ADS 3041 4 08.2 - 5 07.560

7.34 +0.66 +0.26 12 Dec 63 100"

~~5.74~~

7.38 +0.64 +0.22 17 Dec 63 100"

7.38 +0.64 +0.18 24 Dec 63 100"

+0.55

26 0.67 4 17 49 + 1M 12

16

68-27

7.08 + 0.355 1 Dec 71

7.11 + 0.37 24 Oct 70

7.12 + 0.365 31 Oct 70

7.12 + 0.365 2 Stoker

7.13 + 0.345 26 Nov 71

7.13 + 0.34 30 Nov "

7.12 + 0.355

7.5 } 210"
13.2
RT ✓

(12.47 + 0.65) 31 Oct 70

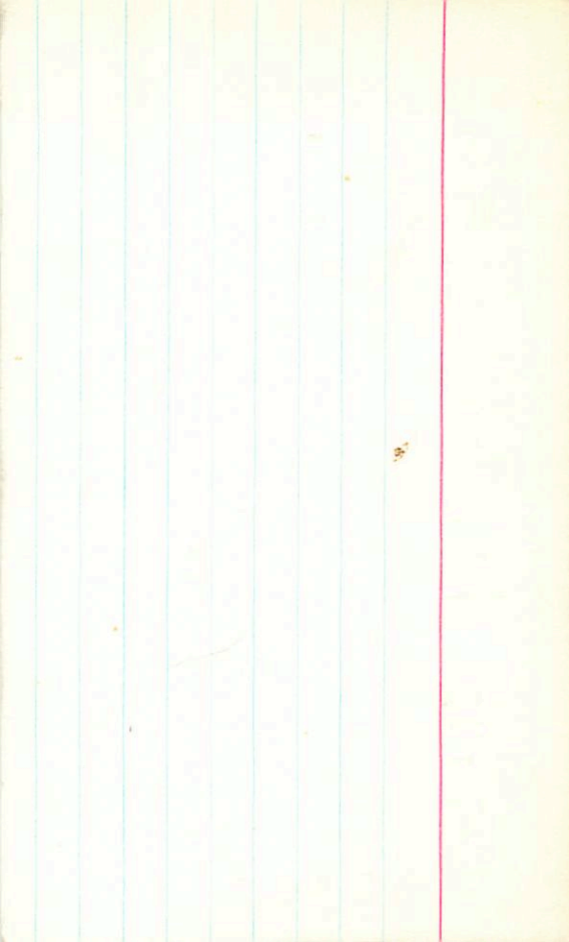
12.49 + 0.735 29 Oct 70

12.40 + 0.645 16 Feb 69

12.34 + 0.725 22 Nov 74

12.40 + 0.72

(1.67)



6-8-26/27 4 16.8 +14 12 1942

7.52 +1.00 +0.815 (5)

7.52 +1.50 +0.79 1200 1970
7.52 +1.00 +0.815 } 30 ent
7.52 +1.00 +0.815 } 30 ent

7.53 +0.97 0.85 1K

13.17 +1.37 +1.23 2-9 Sept 100

13.19 +1.36 +1.26 30 " "

13.19 +1.33 +1.35 1200 1970

13.18 +1.35 +1.24

124 67

727

11.73

727

W2430 4 12.7 -0.9 47 9.2 A2

+66 @ 1 pt
.2

9.34 +0.20 +0.13 2.7 Oct 42 100

34

3082

17.8

4 13.3 + 31 37

12 Aug 63 1000^h
26 Oct

7.37 + 0.58 + 0.10
7.28 + 0.59 + 0.13

2.17 } orbit
2.53 }
8.0 }

AB

~~7.35 + 0.55 + 0.11 24 Oct 62 100^h~~
~~7.29 + 0.59 + 0.15 25 " " "~~
~~8.55 }
7.32 + 0.58 + 0.12~~

C

~~11.05 + 0.55 + 0.13 24 Oct 62 100^h~~
8.48 + 0.60 + 0.16 25 " "
8.47 + 0.62 + 0.14 26 " "

17 Aug 63 1000^h

8.53 + 0.59 + 0.12
8.51 + 0.59 + 0.14

~~Agenda~~

ADS3097 4 13.7 +61 47

A 7.79 ~~0.01~~ -0.13 18 Dec 63 200°
7.68 0.00 -0.13 23 " " "

B 11.42 +1.37 +0.95 18 Dec 63 200°
11.44 +1.43 +0.95 23 " " "

C 9.54 +1.21 +0.74 18 Dec 63 200°

ADS 3093 40 in of 13.2 - 741

B (9.53 +0.03 -0.77) 18 Dec 63
9.37 +0.04 -0.68 Mar 4 64 200"
9.53 +0.02 -0.68 " 3 " "

C (11.18 +1.31) - 18 Dec 63
11.09 +1.63 +0.83 Mar 4 64 200"
11.24 +1.73 - " 3 " "

RDS 3098 AB 4 14.5 + 58 42

7.05 70.12 + 0.08 4466360"

RD53102 4 14.1 +19 33

W2452

7.08 +0.39 -0.08 14 Sept 60"
7.11 +0.42 -0.05 15 " " 60"

ADS3101 4 14.0 72 70 8.045

8.25	+0.32	+0.11	24 dent	100"
8.35	+0.34	+0.09	12 sec	63100
8.26	+0.34	+0.07	M 2643	
<u>8.26</u>	<u>+0.33</u>	<u>+0.09</u>		

ADS 3179 $\ln \tan 4$ 21.0 +24 11

350
6.238
8.5

6.34 +0.20 -0.37 13 Dec 63 1000

8.17 +0.37 +0.21 13 Dec 63 1000

ADS3161 (XTune) 4 19.5 +25 31 5.4 B5
1255/

HR1369 3.510 -0.1 -11

A 5.39 -0.06 -0.12 12 Dec 63 1008
5.38 -0.02 -0.13 13 " " "

B 8.472 +0.61 +0.12 12 Dec 63 1008
8.441 +0.65 +0.07 13 " " "

LB212 4 18.9 +15 22 1950

16.62 +0.14 -0.57 4 March 2000

f38-29 4 17.8 +36 12 1943

15.44 +0.13 -0.50 13 Dec 63^W

15.63 +0.15 -0.54 14 " "

15.62 +0.21 -0.54 23 Dec 63^W

ADS3317

4 32.9 t10 04 1550

887 am

B 7.90 +0.56 +0.03 ²⁰⁰ 2 Jun 62
7.86 +0.54 +0.04 ¹⁰⁰ 2 Jul 62

7.94

4.62
—
3.22

3.20

32403 4 25.7 26.3 +30 16 1942

15 1950

A 6.37 +0.53 +0.09 21 Dec 62 60"
6.38 +0.57 +0.07 22
~~6.38~~

B 8.26 +0.45 -0.01 21 Dec 62
8.29 +0.47 -0.04 22

C 11.28 +0.47 +0.37 31 Dec 62
11.35 +0.49 +0.30 32

$\chi^2_{TAM} \quad y \quad 25-9 \quad +18 \quad 01 \quad 1950$

A $13.16 \quad +1.26 \quad -0.13 \quad 28 \text{ Dec } 42$

B $15.04 \quad +1.32 \quad +0.02 \quad 28 \text{ Dec } 42$

LP 475-247 4 37.8 +09 19 1550

"
0.78

16.87 +0.45 -0.27 4 Mar 44 200''
Sandbag 16.74 0.61 -0.26 Jan 12/13, 66 200''

RZ Tan 4 33.7 +18 39 1950

10.5-11.9 ^d 0.42

10.06	+0.57	+0.04 ⁹	14 Dec 63 100"
10.16	+0.59	+0.13	100" Dec 8 61
10.17	+0.60	+0.13	200" 2 Jan '62
11.42	+0.59	+0.18	100" 7/12
10.36	+0.59	+0.15	100 7/13
	<u>+0.59</u>	<u>+0.15</u>	

B 9.93 +0.61 +0.11 14 Dec 14

D 8.38 +0.27 +0.07 14 Dec

G39-27/25 4 33.6 +27 04 1950

9.1 $\rightarrow +26073012$
 $M_L = +244$
 $12 - 1335$ } Yahr

15.8 A 8.38 +1.11 +0.87 22062 100

Very Important system.
Between V062 + W489

' 8.37 +1.12 +0.87 39862 "

8.41 +1.12 +0.85 30521 62 100

8.40 1.105 0.91 2K

B 15.94 +0.64 -0.06 2220

(15.85 +0.72 -0.09) 370

15.93 +0.65 -0.06 30521 62 100

3409 # 6038 4 41.7 -8 52 1992-

0811

PEP

A 6.72 +0.89 +0.64 28 Dec 62

B 6.83 +0.37 +0.20 28 " "

BF Cep

4

39.7 +80

41 1962

^d
0.61

12.0 - 12.4

-12.6

12.07

+0.38 +0.12

200" 1 Jan 62

12.03

+0.36 +0.14

160" 17 Nov 61

H029644

4 38.2 +28 31 1950

B 11.23 +1.13 +0.84 200" Nov 2/3 61
11.29 +1.09 +0.82 200" Jan 2 62

H029644

DDS 3440 4 45.7 417 43 75 F2

40 8.03 +0.41 -0.05 p-1 Dec 63 100"
~~7.94 +0.53 -0.04 23 Dec 63 200"~~
8.01 +0.43 -0.05 9 Jan 64 200"

9.67 +0.70 -0.12 23 Dec 63 200"
9.66 +0.69 -0.14 9 Jan 64 200"

ADS 3558 4 55.4 400 55 8.465

8.47 + 0.64 + 0.11 5 March 2008

4520 4 52.4 + 52.01 1550

AO 8.19 + 0.44 - 0.04 24 Aug 63 200"
8.18 + 0.45 - 0.03 27 Aug " "

338 . 275
411.60 41
275
41

L 9.63 + 0.62 + 0.86 27 Aug 63 200"
9.62 + 0.59 + 0.09 27 " " "

9.62 + 0.58 + 0.45
1502
49
9.62 + 60 + 09
200"
49

ADS

3608

4 58.9⁴

+26

36

37 1942

~~33042~~

6.82 +0.49

-0.05

24

24 det 62100

25 " " "

AB

6.83 +0.45

-0.05

6.80 +0.47

-0.03

-0.03

24 det 62 "

25 " " "

→ C

8.25 +0.66

+0.15

25 " " "

8.21 +0.68

+0.16

26

8.19 +0.72

+0.18

+0.12

9.22 +0.71

+0.15

→

3675 5 02.8 +51 32-1550

4.96 +0.36 0.00

A 4.96 +0.34 -0.02 26 Sept 60"
4.94 +0.36 +0.02 21 Dec 62"
4.98 +0.37 -0.01 22

C 9.38 +1.15 +0.49 26 Sept 60"
9.49 +1.14 +0.98 21 Dec 62 60"
9.43 +1.06 22
9.43 +1.15 +1.01

W2972 → 4 58.6 +31 3.1 19.0

} gpm

W2534

340

+55

125

9.21 +0.61 ±0.06 60" 21 Dec 62

9.22 +0.41 ±0.03 " 22 Dec

gpm

+320

+49

+04

9.04 +0.51 0.00 60" 22 Dec

9.05 +0.47 -0.03 145.2 68 60"

A 4 1079 -072 9.08 +0.48 -0.02 15" " "

B 144 -064

3015

5 02.8 +51.32 5.0 FVE

4.98 +0.37 -0.01 60"
4.96 +0.34 -0.02 60"

4.97 +0.36 +0.02 26 mV
4.97 +0.32 -0.08 26 mV

4.98 +0.34 -0.08 5 Out

4.97 +0.33 -0.01 2 "

4.98 +0.31 -0.01 25 mV

4.98 +0.32 -0.05

+0.325

+0.33 -0.04

4.97

C191B2A +0.30 -1.285 8.76 1 April 60"
+0.245 -1.225 8.67 30 March 60"

G191-02

5 01.5 +52 44
6542
(102) (~~102~~) (102,45)
8.71 +0.28 -1.255 (2)

A 10.03 +1.04 +0.86 27 March ^{60⁴}
air mass = 1.5 10.08 +1.05 +0.98 15 April 66

B 11.78 -0.31 -1.22 27 March 60⁴
11.81 -0.32 -1.16 15 April 66

3730 5 06.6 +27 58 1950

6.01 +0.29 +0.15 26

~~6.06~~ +0.24 +0.13 24 Oct 100

6.00 +0.29 +0.14 29 Sept 100

5.98 +0.27 +0.12 30 " "

6.02 +0.26 +0.13 25 Oct

6.00

+0.29

8.67 +0.71 -0.28 25 Oct

8.64 +0.73 +0.24 29 Sept 100

8.63 +0.71 +0.21 30 " "

8.70 +0.68 +0.21 24 Oct 100

~~8.65~~ +0.74 +0.25 26

3711A3 5 05.8 +0.8 26
24
26

5.32 +0.35 70.13 26 Dec 62 100"
5.33 -0.34 +0.09 27 " "
5.35 +0.33 +0.09 28 " "
5.34 +0.34 +0.10

3712XB 5 05.8 +0.8 20
13.0

8.74 +0.85 70.28 26 Dec 62 100"
8.77 +0.85 70.46 27 " "
8.77 +0.83 70.56 28 " "
8.76 +0.84 +0.45

A053698

5

04.3

-4

43

1950

5.10 -0.07 -0.15 *Corning*

A

4.92

-0.03

-0.16

Merco 62100⁴

B

10.71

+1.25

+1.25

Merco 62100⁴

ERdue

5 08.8 -08 07 9.5 001

W 3077

P=0.02

9.32 +0.54 +0.01 21 7668 100"

9.49 +0.54 +0.03 23 " " "

9.34 +0.55 +0.01 25 " " "

9.61 +0.54 +0.04 26 " " "

B

12.36 +0.58 +0.06 23 7163 100"

G-96-29 5 13.7 +45 48 1950

Cephalix

10.19 +1.49 +1.23 21 Nov 62 60"
10.14 +1.56 +1.24 22 "

COTAN 05 18.8 +20 06 1962

3866

AB 6.79 +0.50 40.02 26 Dec 62 100"

6.74 +0.49 40.01 27 " "

6.77 +0.48 40.02 28 " "

6.74 +0.50 40.03 29 " "

6.76 9.79
+0.49
+0.02

C 9.88 +0.50 40.44 27 Dec 62 100"

9.88 +0.79 41.07 28 " "

9.86 +0.82 41.05 29

9.87 18.07
+0.81
+0.44

ADS 3903 S 17.6 +44 55 (463

A 6.54 +0.59 +0.38 60" 4/16/63
6.54 +0.61 +0.35 9 Jan 64 200"

B 9.31 +0.17 +0.14 60" 4/16/63
9.32 +0.18 +0.02 9 Jan 64 200"

3966

± 0.008 A.D.

6.76 ± 0.49 ± 0.02

$\phi 100''$ never

9.88 ± 0.805 ± 0.435

$\phi 100''$

3866 5 146 +20 05 1550

CD Tam

(6.78 +0.44 +0.01) 24 Oct 62, 100'

6.75 +0.49 +0.04 26 " " "

6.77 +0.49 -0.01

6.77 +0.48 +0.01

→

9.87 +0.77 +0.42 24 Oct 62

9.87 +0.83 +0.46 26 " "

9.90
 9.88
 +0.80
 +0.80 +0.41

→

4000

S 21.9 +34 49 1950

6.48 +1.14 +1.14 26 "

A 6.55 +1.08 +1.14 24 collect 62-100'

6.52 +1.13 +1.09 25 " " "

B 9.95 +0.83 (+2.12)? 24 collect 62

8.36 +0.47 +0.07 25 " "

8.33 +0.49 +0.10 26 " "

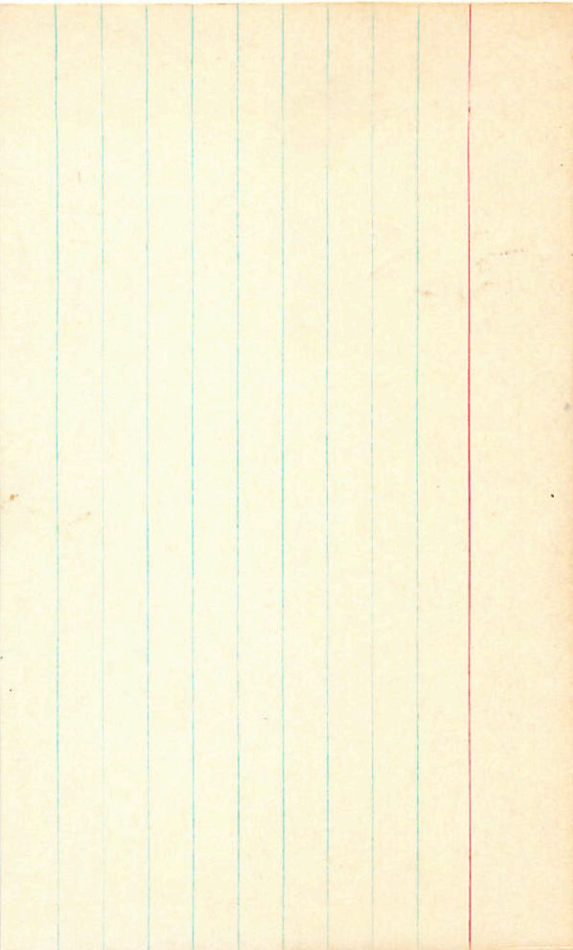
H₂O 35.55

5 20.0 - 8 42

Satur

6.86 +1.76 +1.65 # 2m 6.5 100"

6 PM



686-01 5 18 26 133 19 1950

14.25 +1.62 +1.29 21 Nov 62
14.20 +1.68 +1.53 29 Dec

Summary

15.8
16.23 +0.33 -0.67 20 Nov 62 200"
16.03 +0.76 -0.54 21 " "
16.34 +0.34 -0.32 29 Dec 62

16.20 +0.31 -0.55

G-86-BYA +0.58 -0.27 11.62 15.2666 1000

19

v 441 Qui 5 26.8 +11 20 1941

14.71 +1.77 +1.17 1 Jan 62
14.73 +1.71 +1.05 2 Jan 62

G102-4 5 26.1 +12 31

6.75 +0.59 +0.05 +5.0 039

(6.78 +0.58 +0.05)

→ 6.74 +0.61 +0.06 Oct 26 62

~~6.85 +0.44 +0.03 23 Feb 63 100~~

0 26.56 44
13.9

3 12.91 +1.88 +1.72 Oct 26 62

13.97 +1.38 +1.39 Feb 20 63

13.98 +1.69 +~~1.72~~ " 23 "

13.94 +1.66 +1.26 Mar 4 64 200'

13.98 6'

ADS4032 5 23.9 +27 34 1950

AB 7.89 +0.47 +0.01 24cent63100'
7.86 +0.52 0.00 13dec63100'

C 1320 +0.86 -0.19 24cent63100'

✓ 449 Ori 5 28.6 +11 22 1950

14.4 - 15.6 ^d 0.44 15.41 +0.90 -0.28 10 Dec 63, 200⁴
15.4 13.95 +1.29 +0.95 23 " "

14.78 +0.90 -0.20 1 Jun 62

15.03 +1.14 +0.01

15.25 +1.17 -0.44 27 Feb 100 62

15.28 +1.05 -0.24 3 Feb 100 62

15.10 +1.22 +0.32 5 Feb 100

15.14 +1.26 +0.85 6 "

15.75 +1.22 +0.05 24 Oct 62 100"

15.16 +0.79 +0.33 6 Feb

A 15.25 +0.69 +0.30 5 Feb 62

Hyales sp.

C ~~10~~ 9.42 +0.55 +0.07
 AB 7.11 +0.85 +0.54
 26.9 +29 31 1950

H036044

5

26.9

+29

31

1950

A054086

AB 1" 5m²

9.40 +0.56 +0.04 27

B C

9.42 +0.565 +0.09 200" 200 2/3 41

9.44 +0.51 +0.06 100" 24let 62

9.43 +0.54 +0.05 " 25 " "

9.42 +0.57 +0.08 26 26

AB

7.15 +0.81 +0.56 24let 62 100"

7.10 +0.85 +0.53 25 " " "

7.08 +0.88 +0.57 26

7.10 +0.87 +0.52 27

DD54099 5 27.4 454 38 1952

B 9.71 10.99 10.77 11.07 2004 2004

A 7.72 10.62 10.07 9 Jan 2004

4239

S 36.1 +23 16 1550

	8.91	+0.53	+0.07	29	"	"
A	8.90	+0.55	+0.06	27	Dec	62 100"
	8.90	+0.52	+0.06	28	"	"
	<u>8.90</u>	<u>+0.53</u>	<u>+0.06</u>			(3)

	9.63	+0.51	+0.02			(3)
B	9.63	+0.52	+0.01	27	Dec	42 100"
	9.58	+0.51	+0.03	28	"	"
	9.60	+0.51	+0.03	29	"	"

AB	8.39	+0.53	+0.05	27	Dec	62 100"
----	------	-------	-------	----	-----	---------

	11.12	+1.49	+1.51			(3)
	<u>11.13</u>	<u>+1.48</u>		28	Dec	42 100"
D	11.12	+1.49	+1.50	27	Dec	42 100"
	11.12	+1.52	+1.52	29	"	"

4229 5 35.4 +30 28 1950

26 Apr

GSTII + Ann

FOI

AB

5.41

+0.43

+0.25

25 Oct 62^{100'}

FOI

5.39

+0.47

+0.25

26 " "

8.58

+0.26

+0.08

25 Oct 62

8.56

+0.29

+0.10

26 " "

QDS 4153 5 31.3 -24 17¹⁹⁶³ 9.0120

9.15	+0.86	+0.53	5 man 44 200"
<u>9.16</u>	+0.87	+0.55	5 man 44 200"
9.16	<u>+0.865</u>	<u>+0.54</u>	

4440 5 48.7 +39 08 1940

4.02 +1.17 +0.97 21 Dec 62 40"

11.40 +1.83 ~~+~~ 27 Dec 62 60"

4392 5 45.7 +20 51 1942

AB 6.07 -0.10 -0.41 24 center

B 8.33 +0.03 +0.01 24 center

AD54299 AB 5 40.5 - 6 49 251012

AB 5.97 +0.43 -0.06 24 Oct 63 1004

CD 10.35 +0.46 -0.01 24 Oct 63 1001

E 11.62 +0.82 +0.24 24 Oct 63 1001

ADs ⁴³⁷¹ 4331 5 41.2 + 29 39 7.21 = 8

7.22 + 0.52 - 0.03 24 Oct 63 10¹⁴
7.20 + 0.56 0.00 13 Dec 63 MF

ADD 4383 5 45.0 + 3031 7.2125 1550

7.01 + 1.54 + 1.70 13 Dec 63 100°
6.95 + 1.47 + 1.70 14 " " "
7.00 + 1.50 + 1.70

10.18 + 0.47 + 0.08 13 Dec 63 100°
~~10.17 + 0.35 + 0.07 14 " " "~~

10.17 + 0.50 + 0.05 23 Dec 63 200°
10.18 + 0.48 + 0.06

C-102 -39A

5

5)

41.5

+2 24

$$\mu = 0.277$$

7.76 +0.58 +0.09 ~~2562~~

7.76 +0.57 +0.02

26

7.76 +0.58 +0.08

B 15.86 +0.05 -0.76 3 send



4442 S 48.6 -1 27 1560

7.80 +1.05 (+0.97) 29

14B 7.83 +1.08 +0.86 26 Dec 62 100'

7.86 +1.06 +0.87 27 " " "

7.86 +1.05 +0.86 28 " " "

7.85 +1.06 +0.87

C 9.38 +0.24 +0.12 26 Dec 62 100"

9.38 +0.24 +0.13 27 " " "

9.37 +0.24 +0.13 28 " " "

9.42 +0.22 +0.16 29

9.38 +0.24 +0.13

LP658-2

5 52 42 - 4 09 25 8

hr 66-9

14.48 +1.08 10.50 2 Jun 1942

14.60 +1.06 10.81 12 Dec 1943

14.40 +1.06 10.81 20 Dec 1943

~~14.47 +1.06~~

054662

6 0.26 to

52 7.1410

950

7.02

+0.97

+0.68

7.06

+1.00

+0.67

7.03

+0.98

+0.67

7.04

+0.97

+0.67

10.20

+0.27

(+0.27)

10.18

+0.29

+0.08

10.19

+0.29

+0.06

10.19

+0.29

+0.07

054662

6 0.26 to

52 7.1410

950

N Ori (1667-1894) 5 56.9 +20 16

B 16.50 +1.46 +0.82 26 266000' 1.2 3

14.17 +0.48 -0.95 ✓ 1 Jan 62

14.17 +0.49 +0.28 ✓ 2 Jan 62

14.13 +0.45 +0.27 2 Feb 62 100

14.11 +0.50 +0.29 3 Feb 62 100

14.09 +0.45 0.00 5"

14.00 +0.54 +0.30 6"

13.93 +0.65 +0.27 23 Feb 63

14.10 +0.42 +0.32 26 ""

9.55 10.13 10.14
13.24 14.48 15.28

c 10.11 10.13

4679

8.81 1081 1041 13.8
 9.66 1028 1016 14.4
 11.06 1067 1010 14.4
 (h) 10.10 1017 1010 14.4
 (i) 10.10 1017 1010 14.4

6 00.3 +27 39

8.79 +0.81 +0.39

8.78 +0.80 +0.40

A 8.82 +0.79 +0.42

8.79 +0.83 +0.42

9.66 +0.32 +0.15

9.65 +0.28 +0.15

B 9.70 +0.24 +0.17

9.64 +0.30 +0.18

11.05 +0.66 +0.18

C 11.05 +0.65 +0.19

11.03 +0.69 +0.19

11.07 +0.66 +0.18

1950

25 " " "

24 Oct " 100'

26 " " "

25 " " "

24 Oct " "

26 " " "

25 " " "

24 Oct " "

26 " " "

6000 515
11-10

2001	21 Nov	8.50	+82	+40	A
		8.75	+82	+40	
		9.00	+0.32	+40	B
		9.50	+0.30	+0.16	
		11.11	+0.69	+0.18	C

4890 6 14.4 +9 58 1950

5.37 +0.12 +0.06 12 Dec 100"
5.44 +0.11 +0.08 24 Cent 63

5.41 +0.11 +0.8 (5)
A

5.41 +0.08 24 Cent 62
5.39 +0.11 +0.07 25 " " 100
5.44 +0.13 +0.11 27 Dec 100

11.80 +0.56 +0.7 (6)

10.14 +0.06
~~9.87~~ +0.25

10.03 +0.49 +0.06 25 " "
-0.01 24 Cent 62

11.85 +0.57 +0.12 27 Dec 100
11.85 +0.55 24 Cent 63 100"
11.87 +0.66 21 Dec 63 100"
11.79 +0.59 13 Dec 63 100"
11.78 +0.51 +0.06 24 "

11.85 +0.57 +0.12 27 Dec 100
11.85 +0.55 24 Cent 63 100"
11.87 +0.66 21 Dec 63 100"
11.79 +0.59 13 Dec 63 100"
11.78 +0.51 +0.06 24 "

4901 6 15.2 714 24 1950

A 6.17 70.05 70.11 28 Dec 62 100"
6.13 70.07 70.31? 29

~~6.13~~

C 13.41 70.55 70.35 28 Dec 62 100"
13.26 70.57 70.34 29

4849 6 13.0 +36 10

6.92 +0.44 0.00 60" 21 Dec 62
6.91 +0.45 -0.04 " 22 "

7.54 +0.41 -0.04 60" 27 Dec 62
7.53 +0.43 -0.07 60" 22 "

12.33 1.60 1.77 60" 27 Dec 62
12.30 1.61 1.70 60" 22 "

Alt Am 6 22.9 128 02 1950

$\frac{9}{0.494}$

11.02	+0.67	+0.17	100"	Dec 8 61
10.21	+0.64	+0.17	200"	Jan 12
10.28	+0.62	+0.16	100	27/6
10.32	+0.61	+0.15	100	17/6
10.19	+0.64	+0.18	5 mar 64	200"

A 11.61 +0.24 +0.18 5 mar 64 200"

B 13.57 +0.73 +0.22 5 mar 64 200"

22.4
5036 6 23.2 +58 27

5.19 +1.59 1.95 22
5.24 +1.56 1.84 21 Dec 62

11.88 +0.54 +0.44 21 Dec 62
11.91 +0.54 +0.15 22

788 1.05 0.81 21 Dec 62
791 1.08 0.81 22

4924 6 17.1 +13 28 1940
16.4 27 1550

6.92 +0.47 +0.02 26 Dec 2005
6.93 +0.47 +0.03 25 Jul 2004

7.66 +1.12 +0.88 26 Dec 2005
7.68 +1.14 +0.95 25 Jul 2004

$$5194 \text{ to } 28.3 + 16 \text{ } 59$$

1227981

$$\frac{1227981}{1000} \left. \begin{array}{l} \\ \\ \end{array} \right\} \frac{443}{1000} + 0$$

$$11.5 \left. \begin{array}{l} \\ \\ \end{array} \right\} \begin{array}{l} 6.21 + 1.07 + 1.09 \quad 29 \text{ dec } 62100'' \\ 6.20 + 1.16 + 1.04 \quad 25 \text{ dec } 62100'' \\ \hline 6.20 + 1.16 + 1.06 \text{ (2)} \end{array}$$

$$10.40 + 0.70 + 0.33 \text{ (2)} \left. \begin{array}{l} \\ \\ \end{array} \right\} \begin{array}{l} 10.36 + 0.79 \text{ ---} \quad 25 \text{ " " } \\ 10.46 + 0.74 + 0.34 \quad 28 \text{ dec } 62100'' \\ 10.38 + 0.78 + 0.32 \quad 29 \text{ " " } \end{array}$$

$$11.40 + 1.26 + 0.50 + 0.89 \quad 29 \text{ dec } 62100'' \\ \left. \begin{array}{l} \\ \\ \end{array} \right\} \begin{array}{l} 11.37 + 1.24 + 0.89 \text{ (2)} \quad 25 \text{ dec } 62 \\ 11.46 + 1.21 + 0.90 \text{ (3)} \quad 28 \text{ dec } 62100'' \\ \hline 11.41 + 1.24 + 0.90 \text{ (3)} \end{array}$$

G-105-02A 6 25.0 +10 02.5 1950

13.22	+1.51	+1.21	20 Nov 62 200
13.25	+1.43	+1.25	21 "
13.16	+1.65	(+0.98)	28 Dec 62 100"
<u>1324</u>	<u>+1.48</u>	+1.23	

16.57	+0.23	-0.74	20 Nov 62
16.59	+0.19	-0.71	21 "
<u>16.56</u>	<u>+0.21</u>	-0.72	

5103

G 26.6 + 20 15.0

V_{new}

0

B

8.01 + 0.06 + 0.04

25.6842

4259 6 33.3 +27 19 6.9 d62

A055234 orbit +29.46

6.90 +0.61 +0.14 March 25 62

6.89 +0.64 +0.14 Dec 13 63 100'

6.90 +0.64 +0.15⁰⁰ " 14" 100'

6.90 +0.66 +0.14

Az Gem

d
1.01

6 32.3 + 14 30 1946

11.76 + 0.41 + 0.32 100 27662
11.74 + 0.37 + 0.40 100 3 " "
11.74 + 0.44 + 0.33 6

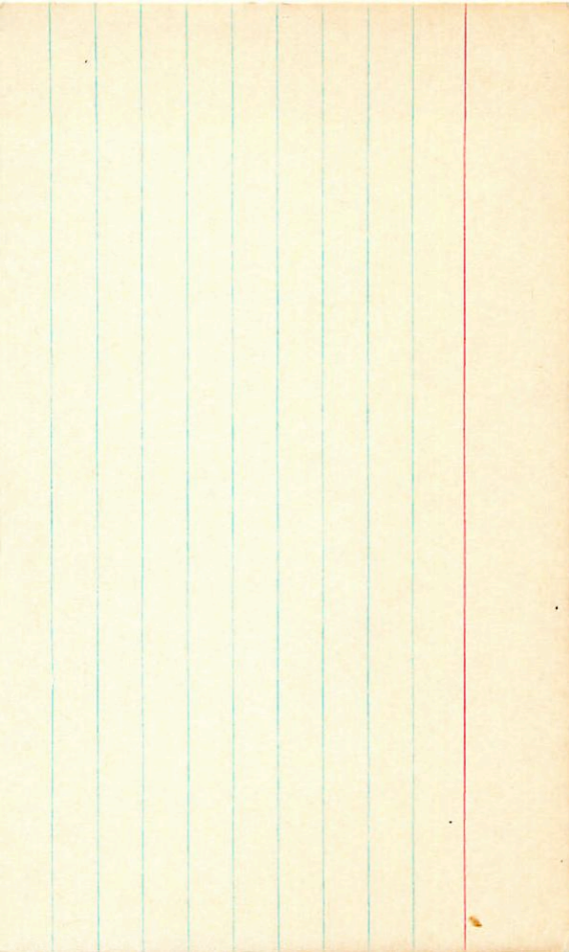
5/6/6 6 29.4 17 49 1950

^{4.25}
(8.78) +0.55 +0.07 25 "
H 6.29 +0.51 +0.09 24 Oct 62 100"

B 6.96 +0.37 +0.04 24 Oct 62 100"
(9.44) +0.40 +0.03 25 "
^{4.94}

HD49368 6 46.5 +5 35 1943 MS

7.74 +1.79 +2.06 2 March 1965^{100'}



~~GU Mon 6 42.2 +00 16.5 1550~~

11.9-12.4

0.90

11.52 +0.37

-0.54 ✓

2 Jan 62²⁰⁰

11.56 +0.32

-0.53

2 Feb 62 100

11.79 +0.38

-0.51

3 Feb " "

11.96 +0.36

-0.53

5

11.57 +0.31

-0.53

6

A 11.78 +0.48 -0.01 2 Feb 62 100