

188-71 15.09 +67 +14 26 by 63 260"

188-75

13.81 + 1.14

13.87 + 1.08 + 0.84

186-74

15.01 + 70

14941 + 0.68 + 0.15 23 Aug 63 2000^r

198-80 15.37 + 0.72 + 0.13 = 17 Aug 63

15.33 + 0.69 + 0.04 = 17 Dec

18-811

16.01 +67

15.84 +0.76 +0.17 200" 23 Aug 63
15.74 +75 +15 17 Dec

15.80 +755 +10

158-82

16.82 + 80 + 45 S (200)

~~15.84 + 0.76~~

16.74 + 0.81 — 23 Aug 63 200"

16.71 + 82 + 17 17 Dec

16.72 + 815 + 17

108-821

1462 +106

1457 +104 +0.76 23 Aug 63 sec

18890 05-387 ✓ 5C+ 4C'S + 78

15.64 + 75 + 24 23 by 63 204

188-91 1494 +65 597

1489 +71 +14 23 Aug 63 sea

188-92 15.51 +70

15.39 +0.69 +0.13 23 Aug 63 200°

188-93

14.65 + 64

14.53 + 0.70 + 0.15 = 15.38

AT8-97

14.98

+0.57

+0.63

26 Aug 63

188-99 1494 +0.73 +26 26 Aug 2001

188-100 15.23 +70 +21 26 Aug 63 200"

188-101 15.14 1664

15.02 +68 +10 23 Aug 63 202"
14.98 +69 +05 197 Dec
15.02 5397 +075
2051

188-102

1448 + 61 + 10

26 Aug 03 2009

1435 + 59 - 02

107 1/2

188-103

15.28 + 57 + 15 240 By 63 2001
15.00 + 67 + 05 17.00

188-104 15.48 + 68

114

15.37 + 67 + 10 23 Aug 63 2002

15.50 + 68 + 21 26 Aug 63 2002

15.29 + 73 + 03 17 Aug

15.39 + 69 + 11

188-105 12-32 +1.25

12-34	+1.15	+1.10	23 Dec 63 2000
12-24	+1.18	+1.11	23 Aug 63 2000
12-30	+1.19	+1.00	17 Dec
<u>12-30</u>	<u>+1.17</u>	<u>+1.07</u>	

188-706 11.86 +54 +04 95(200)

11.77 +0.54 -0.02 23 Aug 63

11.76 +0.54 -0.08 17 Dec 63

11.76 +54 -0.5

188-167

15.95

+1.39

+1.11

26 Aug 63

188-108 15.66 +0.78 +26 26 Aug 63 ²⁰⁰¹
15.10 +0.77 +0.14 17 Nov 63 200

15.21 +0.70 +0.20 Sp 4 59 200

15.16 +72 26 26
15.51 +72 26 26

188-109

1626 + 75 + 23

26 Aug 2004

1619

+ 74

13 Dec 2004

1622

+ 75

+ 22

188-111

15.21 + 68

+ 16

26 Aug 63 300"

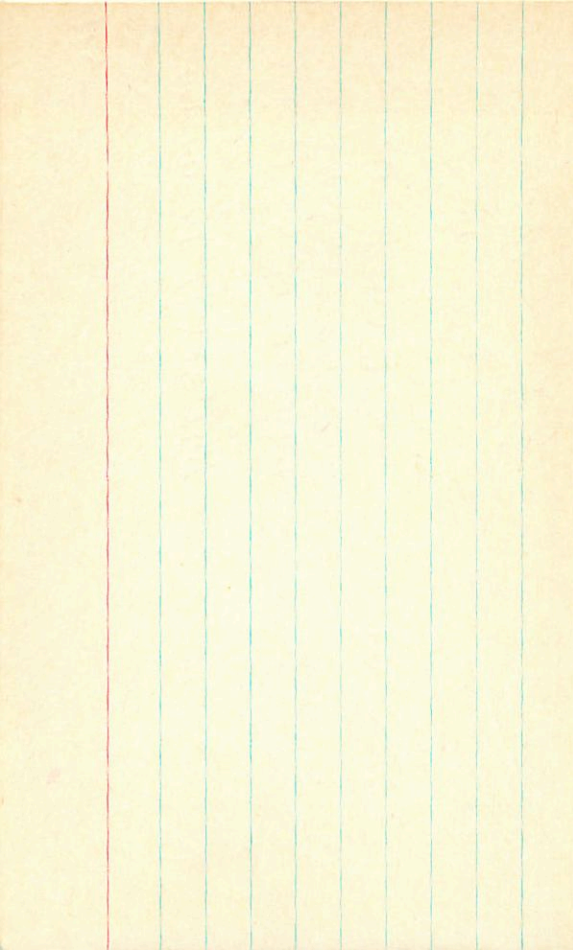
188-112- 14.47 +69 +18 26 Aug 63
14.36 +69 +07 17 Nov 63

198-113 15.97 +0.78 +0.29 26 July 2004
26 July 03

15.94 +.78 +.29 1200 "Sunday"
Sunday

11547

304 00 01 (20) 15 July 299 +01 -01 7 July
 301 02 00 (20) 2 " "
 296 01 05 (20) 19 July
 298 03-03 (20) 14 June
 301 04-01 (20) 11 " "
 294 02-03 12 " "
 297 03 01 " 13 " "
 298 00 00 3 July
 298 02 01 15



W/3970

6^h 13.9 +46°27

Dec 4 '63

6.52

0.26

0.13

(60)

2251-1

6^h 32.6

+8° 24 (1960)

Jan 9 '64	9.26	0.06	-0.63 (200)	Dec 13 '63	9.21	0.07	-0.63 (100)
Dec 17 '63	9.24	0.04	-0.63 (200)	Dec 13 '63	9.20	0.08	-0.63 (100)
Dec 19 '63	9.21	0.05	-0.64 (200)	Dec 14 '63	9.21	0.07	-0.64 (100)
Dec 20 '63	9.22	0.05	-0.62 (200)	Mar. 4 '64	9.22	0.06	-0.65 (200)
Dec 23 '63	9.26	0.03	-0.61 (200)	Mar. 5 '64	9.21	0.06	-0.64 (200)
Feb 5 '62	9.17	0.07	-0.51 (100)				
Feb 6 '62	9.19	0.06	-0.63 (100)				
Feb 3 '62	9.21	0.07	-0.63 (100)				
Feb 3 '62	9.21	0.07	-0.63 (100)				
Dec 12 '63	9.22	0.04	-0.63 (100)				

2251-2 $6^{\text{h}} 32.6$ $+ 8^{\circ} 24$ (1960)

Dec 17 '63 9.69 0.56 0.06 (200) Dec 13 '63 9.59 0.59 0.06 (100)

Dec 18 '63 9.63 0.58 0.05 (200) Dec 14 '63 9.61 0.57 0.05 (100)

Dec 20 '63 9.64 0.57 0.06 (200)

Dec 23 '63 9.65 0.60 0.05 (200)

Feb 5 '62 9.77 0.43 0.07 (100)

Feb 6 '62 9.64 0.56 0.06 (100)

Feb 3 '62 9.66 0.55 0.10 (100)

Oct 24 '62 9.65 0.54 0.04 (100)

Dec 12 '63 9.61 0.56 0.04 (100)

Dec 13 '63 9.59 0.59 0.06 (100)

2251-3

6^h 32.6

+8° 24 (1960)

Jan 9 '64	10.39	1.23	0.98 (200)	Dec 13 '63	10.33	1.26	0.99 (100)
Dec 17 '63	10.40	1.23	0.95 (200)	Dec 14 '63	10.30	1.25	0.99 (100)
Dec 18 '63	10.34	1.25	0.95 (200)	Jan 4 '64	10.35	1.24	1.01 (200)
Dec 20 '63	10.34	1.22	0.95 (200)	Jan 5 '64	10.30	1.35	0.93 (200)
Dec 23 '63	10.36	1.24	0.95 (200)				
Feb 5 '62	10.35	1.25	0.97 (100)				
Feb 6 '62	10.35	1.25	0.99 (100)				
Feb 3 '62	10.37	1.24	0.96 (100)				
Dec 12 '63	10.34	1.21	1.01 (100)				
Dec 13 '63	10.33	1.26	0.99 (100)				

2251-4

6^L 32.6 +8° 24 (1960)

Feb 5 '62 10.89 0.17 -0.08 (100)

Feb 6 '62 10.91 0.13 -0.03 (100)

Feb 3 '62 10.91 0.15 -0.04 (100)

2251-5 G_h32.6 +8°24 (1960)

F₁₅62 11.10 0.58 0.02 (100)

F₆62 11.12 0.56 0.03 (100)

2323-3

74 00.8

-8° 19 (1960)

Dec 26⁶² 9.14 0.11 -0.27 (100)

Dec 29⁶² 9.15 0.11 -0.27 (100)

Feb 23⁶³ 9.08 0.17 -0.34 (100)

2353-1 7^L 12.2 $-10^{\circ}09$ (1960)

Jan 9 '64 6.03 - 0.18 - 0.95 (200) Feb 23 '63 6.06 - 0.20 - 0.94 (100)

Jan 9 '64 6.05 - 0.19 - 0.95 (200) Mar 5 '64 6.02 - 0.17 - 0.99 (200)

Mar 10 '62 6.05 - 0.18 - 0.95 (100) Mar 5 '64 6.05 - 0.18 - 0.97 (200)

Feb 5 '62 6.03 - 0.16 - 0.99 (100)

Feb 3 '62 6.07 - 0.20 - 0.97 (100)

Dec 26 '62 6.06 - 0.18 - 1.00 (100)

Dec 27 '62 6.06 - 0.19 - 0.98 (100)

Dec 29 '62 6.07 - 0.18 - 0.98 (100)

Feb 25 '63 6.04 - 0.18 - 0.93 (100)

Feb 20 '63 6.07 - 0.18 - 0.97 (100)

~~2353-2 7^L 12.2 -10°09 (1960)~~

Feb '62 9.18 -0.01 -0.25(100)

Feb 20 '63 9.36 0.00 -0.27(100)??

2353-3

7612.2

-10°09 (1960)

Jan 9'64 9.45 1.00 0.69 (200)

Jan 9'64 9.46 0.99 0.69 (200)

Feb 5'62 9.47 0.99 0.69 (100)

Feb 3'62 9.48 0.97 0.72 (100)

Dec 27'62 9.45 0.97 0.71 (100)

Dec 29'62 9.45 0.97 0.70 (100)

Feb 20'63 9.45 0.99 0.71 (100)

Feb 23'63 9.46 0.99 0.69 (100)

Nov. 5'64 9.45 0.99 0.72 (200)

2353-5

7412.2

-10°09 (1960)

Fl 562 10.08 0.61 0.12 (100)

Fl 362 10.09 0.59 0.14 (100)

2353-8 7612.2 -10⁰09 (1960)

765'62 11.77 1.29 0.95 (100)

2422-1

7634.5 -14°25'(1960)

Quaria 5.70 -0.12 -0.70 (100)

Febria 5.73 -0.14 -0.70 (100)

Febria 5.75 -0.14 -0.71 (100)

Febria 5.78 -0.15 -0.66 (100)

2422-2

7⁶ 34.5 -14.25 (1960)

Devic 6.70 -0.04 -0.34 (100)

Fl₂₆'63 6.66 -0.05 -0.35 (100)

Fl₂₁'63 6.67 -0.05 -0.36 (100)

Fl₂₃'63 6.70 -0.07 -0.33 (100)

W 8798

- ADS 9535B

15^h 10.5^m + 19° 28'

7.5^h 7.53^m 0.75^s 0.34 (200)

8803

15th 11.3- 01st 10

July 12	6.58	0.76	0.35 (20)	Aug 22 6.58	0.76	0.34 (20)
July 6 6.2	6.59	0.77	0.39 (20)	Aug 30 6.50	0.71	0.31 (20)
July 16 6.2	6.60	0.75	0.33 (20)	June 14 6.60	0.78	0.32 (20)
July 18 6.2	6.62	0.75	0.32 (20)	Aug 13 6.61	0.78	0.40 (20)
July 16 6.2	6.61	0.74	0.33 (20)	May 5 6.57	0.81	0.36 (100)
Aug 6 6.2	6.59	0.78	0.32 (20)	May 6 6.61	0.78	0.38 (100)
Aug 9 6.2	6.61	0.75	0.32 (20)			
Aug 11 6.2	6.58	0.77	0.33 (20)			
Aug 18 6.2	6.60	0.77	0.32 (20)			
Aug 21 6.2	6.58	0.77	0.36 (20)			

HD 147379 A

16616.6

16728(1900)

Aug 29^{ic} 8.58 1.41 1.26(200)

Phn 21^{ic} 8.58 1.39 1.26(200)

28 July 8.64 1.39 1.22(40)

20^{ic} 8.62 1.39 1.22(40)

HD 147379 A

16 16.6 +67 22 ✓

Mass 5.64 8.61 1.39 1.27 (200)

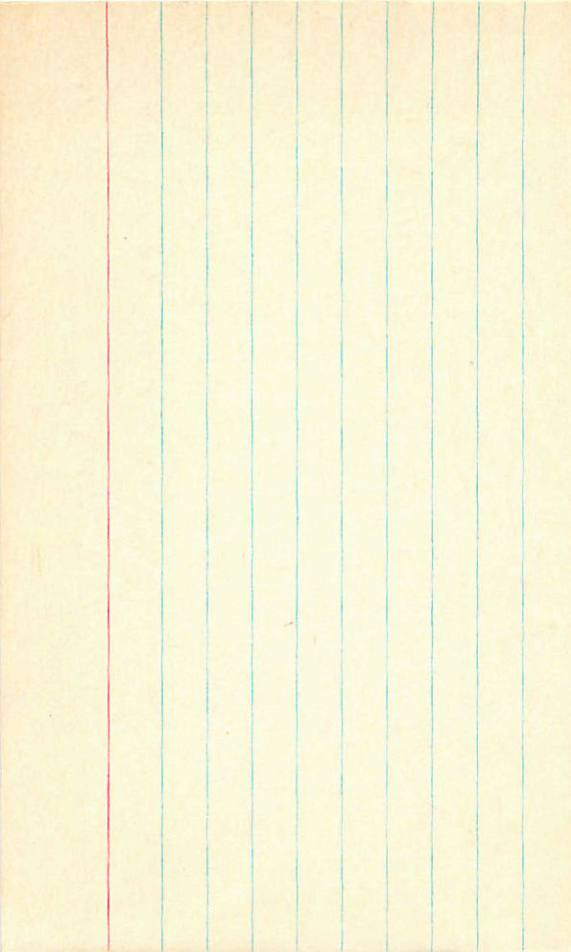
6475

17 52.4 -34 47

5 6.39 +0.03 -0.08 (200) 6.38 00 -06

9 7.18 +02 -17 (200) 7.16 03 -20

4 6.16 -04 -36 (200) 6.17 -03 -35
6.16 -63 -33 "



6531-1

18^h 01.6

-22° 31 (1960)

June 30^h 2 7.26 0.02 -0.84 (100)

June 30^h 2 7.26 0.03 -0.84 (100)

6531-3 18^h 01.6 -22°31' (1960)

June 30th 8.72 0.08 -0.76 (100)

6531-4

18^h 01.6

- 22° 31 (1960)

From 30' 62 9.21 0.09 - 0.63 (100)

6531-S

18^h 01.6

-22° 31' (1960)

June 30^h 62 9.57 0.12 -0.53 (100)

6531-7

18601.6

-22°31' (1960)

June 30¹² 9.94 0.14 -0.61 (1500)

995 09 -60 (200)

VLS Std

9.12 7.50 +1.00

19 14.6 +0.5 08

9.08 7.91 +1.01 10 July 64 100"

9.10 7.93 +0.97 C " " "

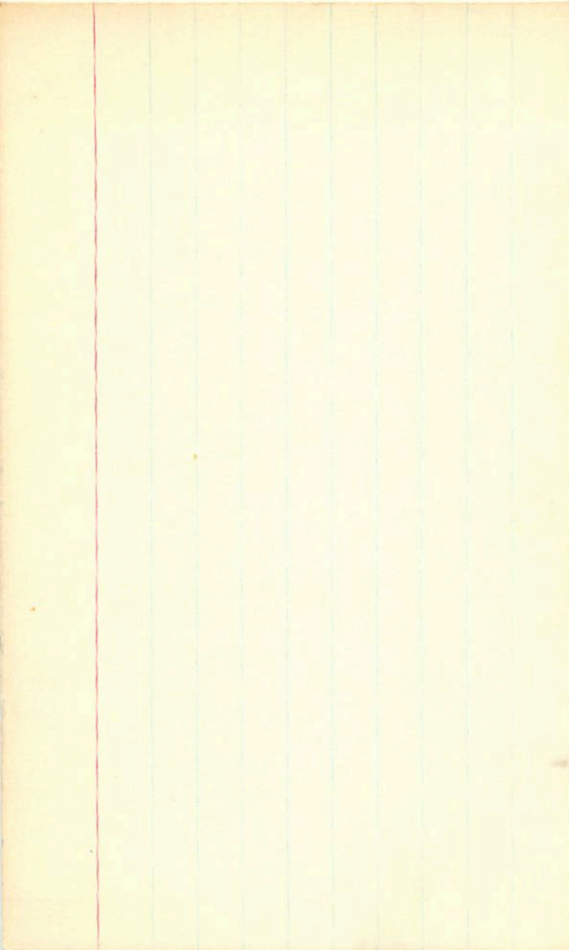
9.12 7.91 +1.02 3 " " "

9.10 7.96 +1.02 2 Jan 64 100"

9.12 7.96 +0.96 13 Oct 63 60"

9.12 7.96 +0.96 13 Oct 63 60"

9.16 7.98 +1.01 15 Apr 64 100"



Calvin St 1
 5.22 4.60 +0.47
 6.05 5.27 +0.60

21 047
 +3530

off

A 5.28 7.59 +0.45 2 pencils

(5.28 4.60 +0.53)
 (5.14 4.55 +0.42) 1 pencil

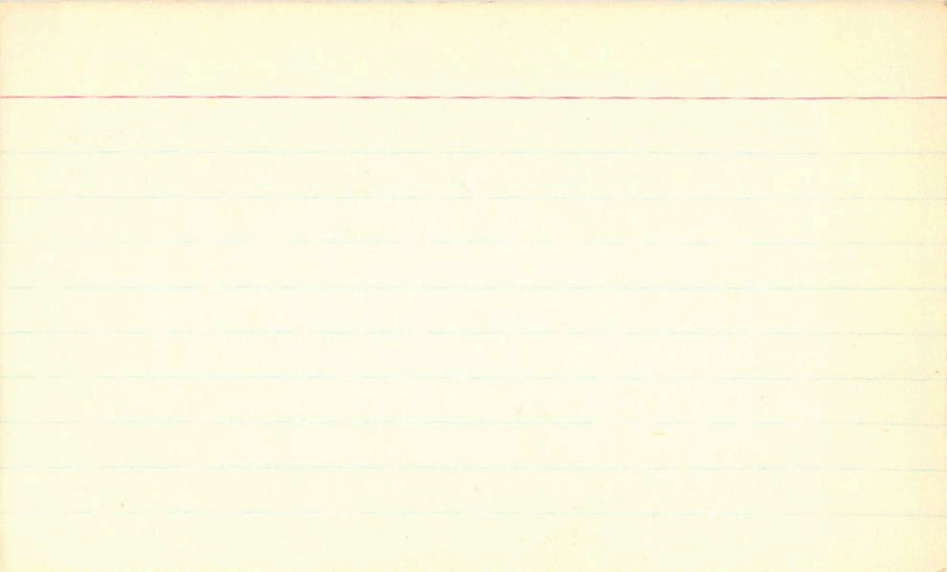
5.14 4.56 +0.44
 5.25 4.65 +0.47

B 6.07 5.25 +0.59 2 pencils

6.09 5.29 +0.45
 5.98 5.19 +0.55) 1 pencil

6.07 5.23 +0.59
 6.06 5.33 +0.66

1 pencil 60"



V335 Sky

9.17 8.15 +0.76 ←

(9.18 8.18 +0.76 10 July 44 100")
9.24 8.23 +0.76

9.14 8.16 +0.76 9 " " "

9.18 8.16 +0.75 6 " " "

9.14 ~~8.16~~ +0.77 3 " " "

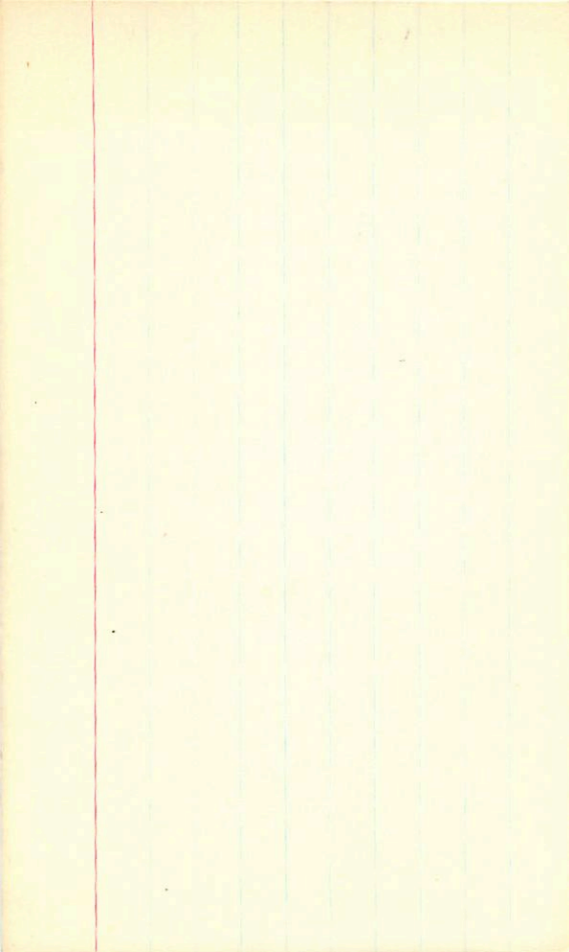
9.17 8.17 +1.26

21 54.6
+01 10

Observed

9.18 +1.46 +1.21 4 July 44 100"

9.17 +1.46 +1.21 8 " " "



A⁰
V2075td

~~9.59 8.17~~ 9.59 8.17 + 1.15

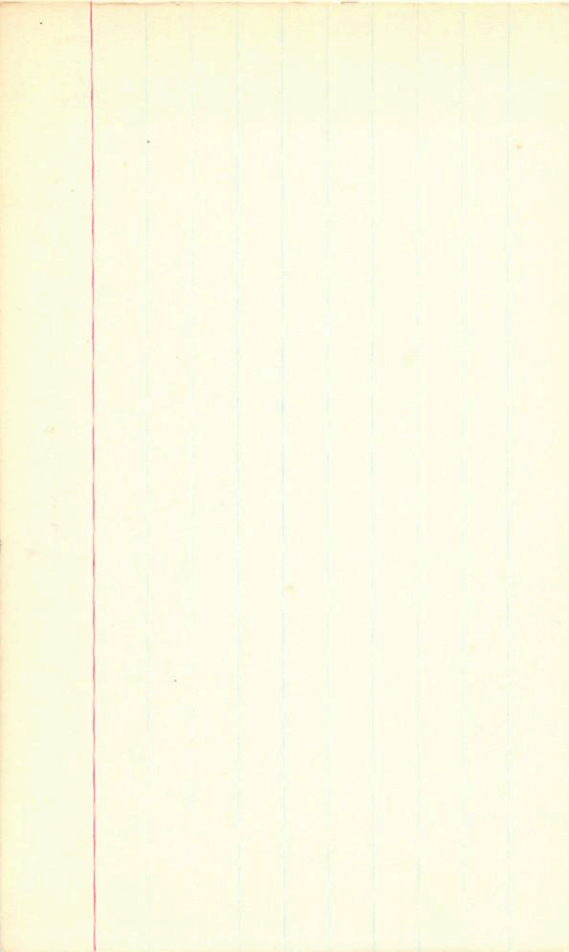
9.54 8.19 + 1.12 1 July 64 60"
(9.60 8.23 + 1.15) 24 July 64 60"
9.61 8.17 + 1.12

22 26.4 + 57 27

Blue

9.59 + 1.65 + 1.23 30 June 64 60"
9.58 + 1.66 + 1.28 24 Dec 63 "

9.59 + 1.65 + 1.27



V337 Std

10.16 8.76 +1.22

22 50.5'
-1431

10.19 8.79 +1.21 10 July 64 100'
10.16 8.77 +1.22 7 " " " "
10.14 8.74 +1.22 6 " " " "
10.14 8.74 +1.21 3 " " " "

10.16 +1.60 +1.15

Blue

10.06 +1.55 +1.13 5 July 64 100'
— +1.59 +1.11 8 July " " "

