

10825-

18^h 18.7

-02° 55'

Aug 19 ⁶²	3.22	0.93	0.63 (20)	Sept 6 ⁶²	3.23	0.94	0.60 (20)
June 27 ⁶²	3.25	0.94	0.62 (20)	Sept 10 ⁶²	3.23	0.93	0.62 (20)
June 27 ⁶²	3.27	0.96	0.65 (20)	July 17 ⁶²	3.28	0.94	0.63 (20)
June 29 ⁶²	3.25	0.93	0.67 (20)	" 19 "	3.26	0.94	0.64 (20)
June 30 ⁶²	3.25	0.95	0.64 (20)	" 11 "	3.21	0.94	0.64 (20)
Sept 21 ⁶²	3.24	0.93	0.63 (20)	" 13 "	3.20	0.94	0.64 (20)
Sept 1 ⁶²	3.24	0.94	0.64 (20)	" 20 "	3.26	0.94	0.64 (20)
Sept 3 ⁶²	3.25	0.94	0.62 (20)	Aug 26 ⁶²	3.25	0.94	0.64 (20)
Sept 4 ⁶²	3.25	0.95	0.65 (20)	" 11 "	3.29	0.93	0.64 (20)
Sept 15 ⁶²	3.27	0.96	0.64 (20)	" 16 "	3.25	0.92	0.64 (20)
				Sept 19 ⁶²	3.23	0.95	0.64 (20)

10568

18^h 05.1

+30°33

July 27 '63 5.05 0.52 -0.09 (20)

July 18 '63 5.08 0.55 -0.11 (20)

July 21 '63 5.07 0.51 -0.11 (20)

June 16 '63 5.03 0.50 -0.09 (20)

June 18 '63 5.04 0.52 -0.09 (20)

June 20 '63 5.04 0.52 -0.07 (20)

June 20 '63 5.04 0.52 -0.07 (20)

June 18 '63 5.04 0.52 -0.09 (20)

June 20 '63 5.04 0.52 -0.07 (20)

10394

103 64

29 $\sqrt{\begin{array}{r} 3 \\ 86 \\ 58 \\ \hline \end{array}}$

228 152 188 (20) 15 July

225 154 184 (20) 2 " "

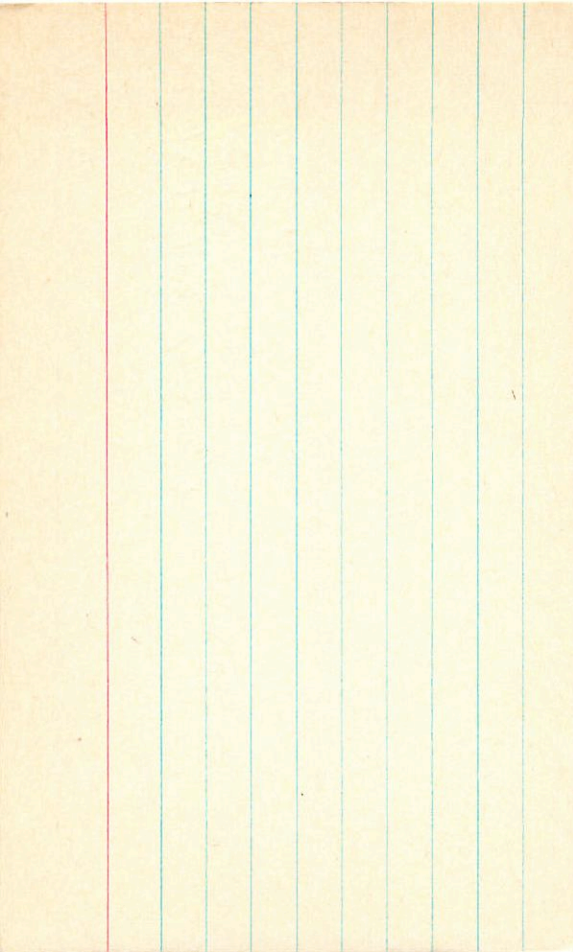
224 149 187 (20) 14 Jan 64

223 151 200 13 " "

225 153 190 3 July

224 152 188 5 " "

221 151 188 7



Aug 4 2.24 1.54 186 (20)

10394 17^h 55.4 +51° 30

July 3 6.2 2.22 1.52 1.88 (20) June 30 6.2 2.27 1.51 1.87 (20)

July 16 6.2 2.24 1.51 1.89 (20) July 12 6.2 2.24 1.53 1.86 (20)

July 30 6.2 2.25 1.52 1.88 (20) Sept 3 6.2 2.25 1.53 1.87 (20)

July 31 6.2 2.24 1.52 1.88 (20) 18 July 4 2.23 1.52 1.87 (20)

July 12 6.2 2.24 1.53 1.86 (20) 17^h " 2.21 1.52 1.90 (20)

July 16 6.2 2.24 1.51 1.89 (20) Aug 11 2.20 1.54 1.86 (20)

Aug 8 6.2 2.26 1.52 1.86 (20) 13^h " 2.23 1.51 1.86 (20)

Aug 11 6.2 2.24 1.53 1.87 (20) 15^h " 2.21 1.54 1.82 (20)

June 29 6.2 2.20 1.53 1.86 (20) 14^h " 2.21 1.51 1.84 (20)

June 29 6.2 2.22 1.52 1.87 (20) 13^h " 2.24 1.54 1.85 (20)

June 29 6.2 2.22 1.52 1.87 (20) 12^h " 2.25 1.52 1.79 (20)

10295- 104 96 4.02 176 45.4 102 43 376 03 02

July 1 '62 3.73 0.03 0.04 (20) July 29 '63 3.71 0.05 0.05 (20)

July 17 '62 3.74 0.03 0.05 (20) July 21 '63 3.71 0.06 0.05 (20)

July 30 '62 3.72 0.04 0.06 (20) July 24 '63 3.75 0.04 0.04 (20)

Aug 3 '62 3.75 0.04 0.03 (20) July 25 '63 3.74 0.05 0.04 (20)

Aug 11 '62 3.75 0.04 0.05 (20) June 16 '63 3.71 0.03 0.04 (20)

Aug 29 '62 3.73 0.06 0.04 (20) June 22 '63 3.77 0.03 0.07 (20)

Sept 2 '62 3.76 0.11 -0.02 (20) June 22 '63 3.77 0.03 0.05 (20)

Aug 18 '62 3.76 0.02 0.03 (20) June 14 '64 3.72 0.6 0.9 (20)

July 27 '63 3.71 0.05 0.03 (20) 12 3.78 0.7 0.3 (20)

July 28 '63 3.72 0.05 0.04 (20) 13 3.72 0.4 0.7 (20)

13 3.75 0.4 0.4

11437

 $18^{\circ} 57.1$ $+32^{\circ} 37$

Nov. 26 '62	3.21	-0.03	-0.05(20)	June 26 '63	3.25	-0.05	-0.05(20)
Aug 24 '63	3.25	-0.05	-0.08(20)	June 17 '63	3.21	-0.06	-0.05(20)
Aug 25 '63	3.23	-0.05	-0.10(20)	June 25 '63	3.23	-0.05	-0.05(20)
Aug 26 '63	3.24	-0.04	-0.09(20)	June 26 '63	3.25	-0.05	-0.05(20)
Aug 27 '63	3.25	-0.07	-0.09(20)				
July 18 '63	3.24	-0.06	-0.08(20)				
July 21 '63	3.24	-0.06	-0.07(20)				
Aug 16 '63	3.29	-0.03	-0.06(20)				
June 17 '63	3.21	-0.06	-0.04(20)				
June 25 '63	3.23	-0.05	-0.05(20)				

$\sqrt{91}$
 $\sqrt{91}$
 $\sqrt{91}$
 $\frac{14}{13}$

910 11 β 1⁴ 34.9 +48° 23

Nov. 26 '62	3.57	1.28	1.46 (20)	Dec. 26 '63	3.55	1.26	1.44 (20)
Aug 19 '63	3.57	1.29	1.46 (20)				
Aug 21 '63	3.58	1.28	1.48 (20)				
Aug 22 '63	3.61	1.27	1.48 (20)				
Aug 23 '63	3.59	1.27	1.39 (20)				
Aug 24 '63	3.60	1.27	1.45 (20)				
Aug 25 '63	3.60	1.29	1.46 (20)				
Aug 26 '63	3.58	1.28	1.43 (20)				
Aug 27 '63	3.60	1.28	1.46 (20)				
Dec. 25 '63	3.54	1.28	1.45 (20)				

946

1^h 38.8

+29° 48

Dec. 20 '61 5.93 1.04 0.84(20)

Dec 22-23 '61 5.96 1.04 0.82(20)

957

1^L 39.8 +20° 02

Dec. 20 '61 5.23 0.83 0.51 (20)

Dec 22-23 '61 5.21 0.88 0.62 (20)

979 1^h 41.7 -16° 12

Dec. 21 '61 3.48 0.73 0.19 (20)

Dec. 20 '61 3.52 0.70 0.19 (20)

663-2

1443.6

+61°01(1960)

July 9 '12 8.87 0.55 0.08 (200)

663-3

1^h 43.6

+61° 01' (1960)

July 9 '62 9.03 0.66 -0.20 (200)

Sept 26 '62 9.07 0.65 -0.20 (100)

1021

1447.1

-10° 52'

Dec. 21' 61

4.62

0.36

0.03 (20)

Dec. 20' 61

4.67

0.31

0.03 (20)

1034

1^h 48.2 +10° 48

Dec 26, 28' 61 5.91 0.29 0.05(20)

1058

 $1^{\circ} 51.9$ $+20^{\circ} 34$

Sept 27 '62	2.65	0.13	0.12(20)
Sept 26 '62	2.63	0.15	0.13(20)
Sept 24 '62	2.66	0.14	0.12(20)
Oct 7 '62	2.64	0.14	0.16(20)

11.25 2^{000.0} 133° 03

Dec. 20/61 5.49 0.07 0.07 (20)

1160 2^h 04.3 + 23 14

Dec. 25'63 1.96 1.17 1.13 (20)

Dec. 26'63 1.99 1.15 1.13 (20)

Dec. 27'63 1.98 1.15 1.14 (20)

1259

2^h 14.0 134° 00

Dec 22-2361 4.82 0.64 0.02 (20)

1376

2^h 23.6

-15° 34

Dec. 21/61

5.81 0.17

0.08 (20)

Dec. 20/61

5.85 0.11

0.10 (20)

1396

2 4 25.5 708° 14

Nov. 26'63 4.26 -0.05 -0.14 (20)

Dec. 21'61 4.25 -0.03 -0.11 (20)

Dec. 22-23'61 4.23 -0.02 -0.10 (20)

Aug. 19'63 4.27 -0.05 -0.11 (20)

Aug. 21'63 4.26 -0.05 -0.11 (20)

Aug. 21'63 4.26 -0.06 -0.13 (20)

Aug. 24'63 4.28 -0.05 -0.14 (20)

Aug. 26'63 4.25 -0.05 -0.14 (20)

Aug. 27'63 4.27 -0.04 -0.13 (20)

11434

18° 56.8

+13° 33

June 18'63 S.25 0.55 0.05 (20)

June 25'63 S.28 0.52 0.02 (20)

June 18'63 S.24 0.54 0.06 (20)

June 25'63 S.28 0.51 0.03 (20)

(5)

11212

18^h 43.5

+20°30

June 29 '62	4.19	0.47	0.02 (20)	Sept 6 '62	4.22	0.45	0.00 (20)
June 29 '62	4.21	0.46	0.03 (20)	Sept 10 '62	4.20	0.43	-0.01 (20)
June 30 '62	4.22	0.47	0.01 (20)	June 17 '63	4.19	0.46	-0.02 (20)
June 30 '62	4.25	0.44	0.01 (20)	June 18 '63	4.20	0.45	0.00 (20)
Sept 21 '62	4.20	0.45	-0.03 (20)	June 25 '63	4.19	0.43	0.03 (20)
Aug 3 '62	4.28	0.42	0.03 (20)	June 17 '63	4.19	0.46	-0.03 (20)
Sept 1 '62	4.18	0.44	-0.02 (20)	June 18 '63	4.19	0.45	-0.01 (20)
Sept 3 '62	4.23	0.46	-0.01 (20)	June 25 '63	4.19	0.45	0.00 (20)
Sept 4 '62	4.21	0.44	-0.01 (20)				
Sept 5 '62	4.22	0.45	0.01 (20)				

V85-13 0^h 15.1 43° 44 (1950)

Dec. 4 '63 11.00 1.81 1.44 (60)

358

$0 \sim 36.8 + 20^{\circ} 59$

Nov. 26 '62 5.85 0.87 0.57 (20)

Dec 12 '63 5.58 0.87 0.57 (100)

Dec 13 '63 5.98 0.75 0.56 (100)

Dec 14 '63 5.91 0.86 0.57 (100)

W546 0.455,3 413°26

Aug 17'63 6.37 0.88 0.54(100)

Aug 18'63 6.23 0.87 0.53(100)

V2

Dr 59.4 + 62° 05 (1950)

Dec 4 '63 9.55 1.50 1.20 (60)

623

1^h 03.1

-10°15'

Dec. 21 61 6.11 0.99 0.87(20)

Aug 18 63 6.07 1.01 0.84(100)

Dec 25 62 6.10 1.03 0.86(100)

457-2 1417.0 +58°04 (1960)

Sp 1262 6.94 0.40 - 0.38 (100)

Sp 3169 6.98 0.40 - 0.40 (100)

581-1

pk 30.7

+60° 27 (1960)

July 6'62 7.26 0.29 -0.38 (200)

July 7'62 7.26 0.29 -0.38 (200)

July 8'62 7.29 0.31 -0.40 (200)

581-3

1430.7

+60'27" (1960)

July 612 9.08 0.20 -0.53 (200)

SSP1-4 1430.7 +60'27(1960)

July 612 10.44 0.26 - 0.37(200)

654-1 1st 41.3

+61° 41' (1960)

Jan 9'64 7.26 1.23 0.94 (200)

Nov 20'62 7.27 1.22 0.93 (200)

Dec 20'63 7.27 1.21 0.91 (200)

Dec 23'63 7.24 1.24 0.92 (200)

Aug 29'62 7.29 1.20 0.98 (200)

Aug 30'62 7.25 1.25 0.94 (200)

Aug 23'63 7.30 1.22 0.92 (200)

Sept 12'62 7.24 1.22 0.91 (100)

054-2 1^h 41.3 +61° 41' (1960)

Jan 9'64 9.48 0.58 0.23 (200)

Dec 20'63 9.38 1.03 0.33 (200)

Dec 23'68 9.49 0.89 0.32 (200)

Aug 29'62 9.53 0.87 0.37 (200)

Aug 30'62 9.47 0.89 0.35 (200)

663-1

1443.6

+ 61' 01" (1960)

July 9 '62 8.42 0.68 - 0.21 (200)

HR 753

Aug 16/63 5.89 0.95 0.76 (1.00)

Sp 15/62 5.81 0.99 0.77 (1.00)

HR 753B

Sept 30 62 11.71 1.61 1.10 (100)

Sept 15 62 11.65 1.60 1.12 (100)

W1464A

2 L 33.3

+0639

Dec 14 63 5.84 0.98 0.82 (100)

1C 1848-4

2448.1

#60°15'(1960)

Aug 27/63 10.07 0.36 -0.14 (200)

1639

2454.1 - 03°55'

Dec 12/63 5.17 0.09 0.08 (100)

537

1639

26 54.1

-03° 55'

HD 18321

Dec. 21 '61

5.17

0.09

0.06 (20)

Dec. 20 '61

5.15

0.10

0.06 (20)

Dec. 18 '62

5.19

0.08

0.06 (100)

1689 2659.8 + 4° 09'
Altitude 5.64 - 0.10 - 0.40 (100)

W 2103

3^h 43.1

+ 24° 22'

~~Oct 24 '63 6.47 -0.02 -0.16 (200)~~

Oct. 24 '63 6.47 -0.02 -0.16 (100)

W2303 4^u 0^o.0 -00'24

Q12662 5.37 0.50 0.01 (100)

1502-1

4 04.3 f62 14

Jan 9 '64	7.90	0.07	0.03 (200)	Aug 24 '63	7.94	0.08	0.02 (200)
Dec 17 '63	7.96	0.06	0.02 (200)	Aug 26 '63	7.92	0.07	0.01 (200)
Dec 18 '63	7.94	0.06	0.01 (200)	Aug 27 '63	7.95	0.09	0.03 (200)
Dec 18 '63	7.91	0.07	0.01 (200)				
Dec 18 '63	7.94	0.08	0.02 (200)				
Dec 20 '63	7.93	0.07	0.02 (200)				
Dec 20 '63	7.95	0.08	0.01 (200)				
Dec 23 '63	7.91	0.07	0.01 (200)				
Apr. 4 '62	7.92	0.08	0.02 (200)				
Aug 23 '63	7.92	0.08	0.01 (200)				

39

31

1502-2

Jan 9 '64	7.91	1.20	0.80 (200)	Aug 24 '63	7.93	1.19	0.80 (200)
Dec 17 '63	7.98	1.20	0.78 (200)	Aug 26 '63	7.87	1.20	0.77 (200)
Dec 18 '63	7.93	1.20	0.78 (200)	Aug 27 '63	7.92	1.21	0.79 (200)
Dec 18 '63	7.91	1.21	0.78 (200)				
Dec 18 '63	7.96	1.16	0.78 (200)				
Dec 20 '63	7.94	1.19	0.77 (200)				
Dec 20 '63	7.94	1.19	0.78 (200)				
Dec 23 '63	7.92	1.21	0.77 (200)				
Apr 4 '62	7.99	1.22	0.79 (200)				
Aug 23 '63	7.94	1.19	0.79 (200)				

W2393

4^h 08.4

-08^h 57

Q12512 S.69 1.07 0.93 (100)

Q12762 S.68 1.06 0.96 (100)

W2412 4611.1 -01°17

De12562 6.44 -0.15 -0.55(100)

2544

4⁵ 21.1

409° 21

Dec. 20'61 5.12 0.08 0.10 (20)

Dec. 22-23'61 5.26 -0.08 0.12 (20)

Nov. 26'62 5.10 0.08 0.14 (20)

Dec. 24'63 5.13 0.12 0.11 (20)

1662-6

4⁴46.5

+10°49 (1960)

Revised 9.25 0.36 0.28 (100)

1778-1

Sh 05.4

+36°58

Nov 20 62 9.05 0.26 0.17 (200)

Nov 21 62 9.04 0.26 0.19 (200)

Dec 17 63 9.05 0.27 0.20 (200)

1778-2

5h 05.4

+36.58

Nov 21/62 10.02 1.57 1.36(200)

1778-3

5^h 05.4

+36°58

New2012 10.28 0.32 -0.14 (200)

New2162 10.24 0.32 -0.12 (200)

1778-4

Sh 05.4

+ 36° 58'

Nov 20th 10.66 0.38 0.16 (200)

Nov 21st 10.65 0.38 0.19 (200)

Dec 17th 10.66 0.39 0.21 (200)

V465 A S^{-4} 37.5 + S^{-3} 30 (1950)

Dec. 4 '63 6.20 0.86 0.49 (60)

" " " 6.21 0.86 0.49 (60)

W3560 5^h 42.0 +49° 48

Deat's 5.47 0.02 0.07 (60)

W36x22

S_h47.3

+99°51'

D₂₄ 5.81 0.85 0.61 (100)

7654-3

23rd 22.7

+ 61° 23 (1940)

Jan 9 '64	9.03	0.38	0.17 (200)	Aug 27 '63	9.03	0.35	0.14 (200)
Nov 20 '62	8.97	0.37	0.14 (200)	Aug 27 '63	9.04	0.36	0.15 (200)
Dec 17 '63	8.92	0.36	0.14 (200)				
Dec 20 '63	9.03	0.36	0.15 (200)				
Dec 20 '63	9.01	0.37	0.15 (200)				
Dec 23 '63	8.99	0.37	0.15 (200)				
Dec 23 '63	8.99	0.36	0.15 (200)				
Aug 23 '63	9.04	0.35	0.14 (200)				
Aug 25 '63	9.07	0.37	0.16 (200)				
Aug 26 '63	9.01	0.36	0.14 (200)				

44

12 58

7654-5 23⁴ 22.7 461⁰ 23 (1960)

Nov 20 '62 10.75 0.56 - 0.05 (200)

7686-2

23^h 28.0

+48ST (1960)

Aug 30⁶² 7.71 0.96 0.65 (200)

7656-3 23^h 28.0 +48°56' (1960)

Aug 30th 8.90 1.23 1.12 (200)