

6920 11<sup>h</sup> 15.5 731°49

Mar 24 '62 3.77 0.50 0.05 (20)

6956

$11^{\circ} 21.3$

$+10^{\circ} 48$

Mar. 25 '62    3.95    0.42    0.06(20)

Mar 26 '62    3.96    0.39    0.07(20)

Mar 24 '62    3.95    0.41    0.07(20)

6985 11<sup>h</sup> 25.4 +03° 08

Mar. 25 '62 4.97 1.01 0.79 (20)

Mar. 26 '62 4.98 0.99 0.80 (20)

Mar. 24 '62 5.06 1.01 0.81 (20)

Dec. 28 '63 5.00 1.01 0.80 (20)

Dec. 27 '63 5.02 1.01 0.79 (20)

7092 11<sup>h</sup> 38.4 +34° 29

May 1 '62 5.36 0.72 0.25(20)

7119

11<sup>h</sup> 42.2

-18° 04

Mar. 25 '62    4.71    0.96    0.72 (20)

Dec. 28 '63    4.75    0.97    0.73 (20)

Dec. 27 '63    4.76    1.00    0.72 (20)

7160

11<sup>h</sup> 48.1

+02° 03

10 23

Mar 26 '62	3.63	0.56	0.12 (20)	Jun 11 '64	3 56	56	08 (20)
May 1 '62	3.64	0.55	0.13 (20)	12	3 48	57	17 (20)
June 14 '63	3.63	0.57	0.07 (20)	July 3	3 53	56	08
June 16 '63	3.61	0.55	0.08 (20)	7	3 54	53	07
June 16 '63	3.63	0.54	0.10 (20)				
June 17 '63	3.60	0.57	0.07 (20)				
June 22 '63	3.61	0.55	0.11 (20)				
June 27 '63	3.60	0.57	0.08 (20)				
June 22 '63	3.61	0.55	0.10 (20)				
11 14 64	3 49	56	08 (20)				

7170 11<sup>h</sup> 50.1 +38° 05'

Mar 26 '62 6.45 0.74 0.13 (20)

7337

12<sup>h</sup> 13.0

+57° 19

June 28 '62	3.33	0.11	0.03 (20)
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May 1 '62	3.32	0.10	0.09 (20)
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July 12 '62	3.36	0.10	0.11 (20)
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June 27 '62	3.28	0.08	0.05 (20)
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July 12 '62	3.36	0.10	0.11 (20)
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June 16 '63	3.32	0.07	0.07 (20)
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June 17 '63	3.37	0.09	0.07 (20)
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June 17 '63	3.37	0.09	0.07 (20)
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7383	12 <sup>L</sup> 16.8	+23°19		
July 6 '62	6.21	0.20	0.14 (20)	Dec 14 '63 6.28 0.17 0.13 (100)
July 7 '62	6.27	0.19	0.11 (20)	
June 28 '62	6.26	0.16	0.15 (20)	
June 28 '62	6.23	0.18	0.14 (20)	
Mar 26 '62	6.27	0.18	0.16 (20)	
July 9 '62	6.27	0.16	0.15 (20)	
July 10 '62	6.30	0.18	0.16 (20)	
June 27 '62	6.22	<del>0.12</del>	0.18 (20)	
June 30 '62	6.32	0.15	0.13 (70)	
July 10 '62	6.30	0.18	0.16 (20)	

7563 12<sup>h</sup> 31.4 +41°38

Mar. 25 '62 4.25 0.60 0.03 (20)

Mar 26 '62 4.25 0.57 0.03 (20)

Mar 24 '62 4.24 0.57 0.00 (20)

May 1 '62 4.27 0.57 0.05 (20)

June 17 '63 4.26 0.57 0.04 (20)

June 17 '63 4.26 0.57 0.04 (20)

7641 12<sup>h</sup> 41.1 -01° 18

July 3 '62 5.91 0.88 0.46 (20)

June 29 '62 6.01 0.82 0.41 (20)

July 9 '64 5.87 87 43 (20)

July 14 " 5.96 84 45 (20)

12 5.90 88 41 (20)

July 7 ~~5.92~~ 88 47

7678 12<sup>h</sup> 46.5 +60° 36

Mar 24 '62 5.90 0.47 -0.09 (20)

June 26 '63 5.86 0.45 -0.08 (20)

June 26 '63 5.84 0.45 -0.07 (20)

7722 12<sup>h</sup> 51.8 +56° 14

May 25 '62 1.77 -0.01 0.04(20)

July 11 '62 1.75 -0.05 -0.01(20)

July 11 '62 1.75 -0.05 -0.01(20)

7762 126 58.6 +56°38

Apr. 29 '62 4.90 0.38 0.01(20)

7812 13<sup>h</sup> 05.3 -10° 28

July 17'62 5.19 1.14 1.11 (20)

June 26'63 5.20 1.15 1.14 (20)

June 26'63 5.20 1.14 1.14 (20)

Dec 13'63 5.20 1.13 1.13 (100)

Dec 27'63 5.21 1.16 1.10 (20)

1960

7850	13 <sup>u</sup>	09.5	+28° 08				
July 5 '62	4.23	0.57	0.14(20)	June 25 '63	4.26	0.56	0.06(20)
July 6 '62	4.40	<del>0.45</del>	0.03(20)	June 26 '63	4.29	0.55	0.06(20)
Mar 26 '62	4.25	0.56	0.06(20)	June 25 '63	4.25	0.58	0.04(20)
Mar 24 '62	4.28	0.57	0.06(20)	June 26 '63	4.28	0.57	0.05(20)
May 1 '62	4.26	0.55	0.05(20)	July 4 '64	4.29	57	0.3(20)
July 12 '62	4.28	0.56	0.07(20)	July 11 "	4.29	52	del(20)
July 16 '62	4.28	0.58	0.06(20)	July 12 "	4.27	57	07
June 30 '62	4.23	0.56	0.03(20)	July 3	4.27	53	10
July 12 '62	4.28	0.56	0.07(20)				
Apr 30 '62	4.25	0.53	0.02(20)				



7875      13<sup>6</sup> 11.6      +56° 58

July 16 '62    6.85    0.61    0.07(20)

July 16 '62    6.85    0.61    0.06(20)

June 30 '62    6.78    0.62    0.07(20)

7907

13<sup>6</sup> 15.8

-18° 02

Mar. 25 '62 4.74 0.71 0.25 (20)

7966 13<sup>h</sup> 23.2 +55° 15'

July 7'62 4.01 0.11 0.18 (20)

7991  $13^{\circ} 26.0$   $+14^{\circ} 03$

July 7 '62	4.99	0.67	0.24 (20)	June 17 '63	4.97	0.70	0.25 (20)
July 13 '62	4.95	0.71	0.28 (20)	June 18 '63	4.98	0.70	0.25 (20)
Aug 1 '62	4.94	0.71	0.21 (20)				
Aug 2 '62	4.98	0.72	0.24 (20)				
Aug 3 '62	4.99	0.72	0.23 (20)				
July 13 '62	4.95	0.71	0.28 (20)				
June 17 '63	4.99	0.71	0.24 (20)				
June 17 '63	4.97	0.70	0.25 (20)				
June 18 '63	4.99	0.70	0.23 (20)				
June 17 '63	4.99	0.71	0.24 (20)				

8045

13<sup>h</sup> 32.6

+37° 26

Aug 2 '62 4.97 0.40 0.06 (20)

Aug 30 '62 4.98 0.39 0.02 (20)

July 13 '62 4.97 0.38 0.04 (20)

8035 13<sup>h</sup> 31.6 +03° 55

Mar. 25 '62 4.95 0.05 0.00 (20)

Apr. 30 '62 4.93 -0.01 -0.02 (20)

8112

 $13^{\text{h}} 41.8$  $-15^{\circ} 56$ 

June 20 '63 5.60 0.80 0.41 (20)

June 25 '63 5.59 0.81 0.44 (20)

June 18 '63 5.60 0.81 0.41 (20)

June 20 '63 5.60 0.80 0.41 (20)

June 25 '63 5.59 0.81 0.42 (20)

4D/20136

13<sup>h</sup>42.5 +17°57'(1900)



8140 13<sup>h</sup> 44.9 +17° 42

July 3 '62 4.50 0.47 -0.01 (20)

July 10 '62 4.51 0.47 0.02 (20)

July 10 '62 4.51 0.47 0.02 (20)

8177 13<sup>2</sup> 48.9 T35° 01

July 3 '62 6.54 0.11 0.11 (20)

Aug 29 '62 6.67 0.11 0.09 (20)

8244

13<sup>4</sup> 59.1

+01°47

July 2 '62

4.24 0.12 0.16(20)

June 14 64 420 11 11 (20)

July 5 '62

4.25 0.11 0.12(20)

11 " 423 10 14 (20)

Mar 26 '62

4.27 0.12 0.15(20)

July 3 426 11 12

May 1 '62

4.28 0.09 0.14(20)

5 427 10 12

June 27 '62

4.26 0.09 0.12(20)

7 426 11 10

July 19 '64

4.26 +0.12 109(20)

" 17 "

4.23 " 12(20)

" 9 "

4.27 ~~01~~ 24(20)

Aug 1 "

424 11 12(20)

July 19

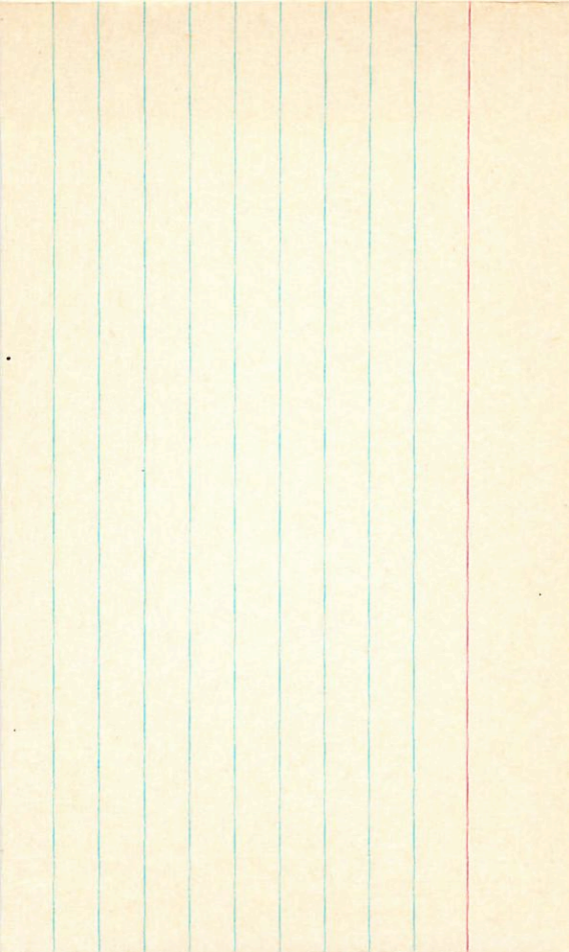
427 15 08(20)

8341

14 13.4 +19 27 -006 +1.23 +120

JM

-0.02	+1.23	+1.22	18	July 64	(20)
-0.02	+1.26	1.17	17	Jul "	(20)
-0.08	+1.24	1.27	1	Aug "	(20)
-0.01	+1.22	1.25	19	July "	(20)
-0.10	+1.22	1.25	14	July "	(20)
-0.5	1.23	1.23	11	Jun "	"
-0.7	1.23	1.23	12	"	"
-0.5	1.23	1.17	13		
-0.6	1.21	1.22	3	July	



8373  $14^{\circ}$  16.8  $+13^{\circ}$  14

June 25'63 5.43 0.39 -0.06 (20)

June 27'63 5.42 0.38 -0.05 (20)

June 25'63 5.42 0.38 -0.05 (20)

June 27'63 5.41 0.37 -0.06 (20)

8383 14<sup>h</sup> 17.7 +39° 01

Apr 62 6.32 0.06 0.09 (no)

8582 14<sup>th</sup> 43.7

July 14 '62	3.75	-0.01	0.00 (20)	Aug 21 '63	3.75	0.00	-0.02 (20)
July 31 '62	3.70	0.00	-0.02 (20)	Aug 16 '63	3.70	-0.02	-0.05 (20)
July 14 '62	3.75	-0.01	0.00 (20)	June 22 '63	3.76	-0.01	-0.02 (20)
Aug 6 '62	3.76	0.01	-0.01 (20)	June 26 '63	3.75	0.00	-0.02 (20)
Aug 7 '62	3.73	0.01	-0.02 (20)	June 27 '63	3.75	-0.02	-0.01 (20)
Aug 21 '62	3.75	-0.00	-0.10 (20)	June 26 '63	3.75	0.00	-0.01 (20)
July 10 '62	3.69	0.01	-0.02 (20)	July 18 '64	3.80	+0.01	-0.03 (20)
Aug 17 '63	3.75	0.00	-0.02 (20)	" 17 " 11	3.76	0.01	-0.02 (20)
Aug 18 '63	3.75	-0.00	-0.02 (20)	June 12	3.78	0.01	-0.03
Aug 19 '63	3.76	-0.00	-0.04 (20)	Aug 13	3.76	0.01	-0.01
				Aug 13	3.79	0.00	-0.02

Aug 5 '64 375 00 -0.02  
+0.2° 06 348 -03 -01



8623                      14<sup>th</sup> 48.1                      -15°50

July '62                      2.71                      0.17                      0.08 (20)

Mar 25 '62                      2.78                      0.15                      0.12 (20)

May 1 '62                      2.75                      0.15                      0.09 (20)

Aug 8 '62                      2.76                      0.10                      0.12 (20)

Aug 9 '62                      2.76                      0.15                      0.08 (20)

Aug 10 '62                      2.77                      0.14                      0.13 (20)

Aug 11 '62                      2.77                      0.15                      0.08 (20)

8634 14<sup>6</sup> 49.1 +19°18  
May 16 4.58 0.76 0.28(20)

8747

15<sup>L</sup> 05.1

+25° 04

July 6 '62 4.93 0.42 -0.07 (20)

July 8 '62 4.93 0.46 -0.06 (20)

July 8 '62 4.92 0.45 -0.02 (20)

July 18 '62 4.94 0.43 -0.06 (20)

Aug 1 '62 4.90 0.43 -0.07 (20)

8830 15<sup>h</sup> 13.5 +33°30

Aug 16 '63 3.41 0.93 0.64 (20)

8830 15<sup>h</sup> 13.5 +33° 30

63

July 1 '62	3.45	0.97	0.71(20)	Aug 11 '62	3.48	0.95	0.65(20)
Mar 26 '62	3.47	0.94	0.65(20)	Aug 18 '62	3.50	0.95	0.70(20)
May 1 '62	3.47	0.94	0.62(20)	Aug 19 '62	3.49	0.95	0.68(20)
July 17 '62	3.49	0.94	0.70(20)	Aug 17 '63	3.54	0.97	0.69(20)
July 18 '62	3.47	0.98	0.68(20)	Aug 18 '63	3.50	0.96	0.66(20)
July 31 '62	3.46	0.94	0.66(20)	Aug 19 '63	3.48	0.94	0.64(20)
Aug 2 '62	3.50	0.94	0.66(20)	Aug 21 '63	3.52	0.94	0.67(20)
Aug 3 '62	3.49	0.95	0.62(20)	July 29 '63	3.49	0.94	0.64(20)
Aug 6 '62	3.48	0.92	0.78(20)	July 18 '63	3.47	0.92	0.71(20)
Aug 7 '62	3.51	0.96	0.66(20)	June 14 '63	3.47	0.97	0.69(20)

8838

15<sup>h</sup> 14.3

-09° 12

Mar 26 '62	2.67	-0.11	-0.33 (20)	Aug 13 '63	2.61	-0.11	-0.39 (20)
May 1 '62	2.63	-0.13	-0.41 (20)	June 20 '63	2.62	-0.11	-0.37 (20)
Aug 8 '62	2.61	-0.04	-0.41 (20)	June 19 '63	2.62	-0.11	-0.37 (20)
Aug 10 '62	2.63	-0.07	-0.39 (20)				
Aug 19 '62	2.63	-0.10	-0.35 (20)				
Aug 21 '62	2.60	-0.13	-0.36 (20)				
Aug 22 '62	2.63	-0.12	-0.35 (20)				
June 30 '62	2.62	-0.11	-0.37 (20)				
July 29 '63	2.63	-0.11	-0.37 (20)				
July 18 '63	2.62	-0.11	-0.37 (20)				

8919 156 22.6 +37° 33

α/μ 30' 12 4.29 0.27 0.03 (20)

8925  $15^{\circ}$  23.8  $+59^{\circ}08$

July 2 '62 3.27 1.18 1.23 (20)  $\alpha/\mu$  29 '62 3.35 1.14 1.24 (20)

July 8 '62 3.30 1.16 1.20 (20)  $\alpha/\mu$  30 '62 3.25 1.15 1.18 (20)

Mar. 25 '62 3.31 1.18 1.24 (20)  $\alpha/\mu$  364 3.31 1.16 1.24

Mar 24 '62 3.32 1.18 1.28 (20)  $\alpha/\mu$  327 3.27 1.16 1.22

May 1 '62 3.26 1.19 1.22 (20)

Aug 7 '62 3.33 1.17 1.20 (20)

Aug 10 '62 3.31 1.17 1.15 (20)

Aug 19 '62 3.27 1.17 1.15 (20)

Aug 21 '62 3.32 1.19 1.24 (20)

Aug 22 '62 3.28 1.17 1.18 (20)



8963 15<sup>h</sup> 29.1 +41° 00

Mar 24 '62 5.00 1.60 1.87(20)

May 1 '62 5.05 1.57 1.82(20)

Aug 1 '62 5.00 1.59 1.86(20)

Aug 18 '62 5.05 1.58 1.88(20)

Aug 22 '62 5.01 1.59 1.82(20)

June 14 '63 5.04 1.59 1.91(20)

Aug 13 '63 5.03 1.58 1.90(20)

Jul 31 '64 5.05 1.57 1.91 ✓

8990 15<sup>h</sup> 32.6 +26° 53

May 24 '62 2.24 -0.03 -0.05(20)

May 1 '62 2.21 -0.02 -0.03(20)

July 12 '62 2.18 -0.03 -0.06(20)

~~July 16 '62~~

Aug 19 '62 2.23 -0.04 -0.04(20)

Aug 22 '62 2.20 -0.00 -0.04(20)

July 12 '62 2.18 -0.03 -0.06(20)

Sept 19 '62 2.27 -0.03 -0.02(20)

June 14 '63 2.25 -0.01 -0.06(20)

June 20 '63 2.22 -0.01 -0.02(20)

9037 13<sup>h</sup> 31.7 -00 04

July 8 '62 5.74 0.32 0.03(20)

May 1 '62 5.72 0.33 -0.05(20)

July 10 '62 5.80 0.34 -0.02(20)

Aug 7 '62 5.77 0.36 -0.03(20)

May 21 '62 5.78 0.35 -0.02(20)

June 29 '62 5.75 0.34 -0.02(20)

July 10 '62 5.80 0.34 -0.02(20)

576 34 -025 47

575 34 -02 511 -

2  
7  
11  
150

9059 15<sup>h</sup> 39.3 +19° 50

May '62 4.47 0.05 0.05 (20)

Aug 1862 4.50 0.06 0.08 (20)

July 1864 4.53 0.04 0.04 (20)

" 1864 7.53 0.05 0.02 (20)

Aug 21 4.48 0.05 0.06 (20)

" 1864 4.52 0.07 0.05 (20)

July 3 4.54 0.03 0.05

July 7 4.51 0.03 0.05

15<sup>6</sup> 41.8 +06° 35

9079

Aug 9<sup>6</sup> 2.64 1.18 1.23 (20)

Aug 18<sup>6</sup> 2.64 1.17 1.28 (20)

" 17<sup>1</sup> 2.63 1.19 1.28 (20)

Aug 2<sup>1</sup> 2.60 1.16 1.23 (20)

July 3 265 119 128

July 5 264 117 125

9094 15<sup>h</sup> 43.9 +15° 35'

July 6 '62 3.68 0.06 0.11 (20)

July 11 '62 3.65 0.08 0.10 (20)

June 27 '62 3.64 0.08 0.08 (20)

June 14 '63 3.68 0.05 0.07 (20)

9126

59

532 103 80 1 Sept 64

530 102 81 3 July 64

526 100 80 5 "

523 100 79 7 "

61

