98847 11 20.0 -58 07
15623

+002±6.0 -033±4.3

0.016 1.1 4084 54.4

98015 11 20.2 −77 20 −5.9 ± 2.5 ukm?

(3)

15678

−0214 ± 23 −012 ± 7.3

15.577 97.9 −0262 −018 1.92 96.4

1.115 −0237 −007 64

14692 1.28

24.703 30.60 45.71

50.420 2328

15623 01.49

132 −14

755 1.63

47.4 780 −26

15.460 1.20 835 1.89

57 −44

51 1.64

-0031 ± 4.5   -018 ± 3.2
-0026   -010

98993 11 20.8 -35 53 5.1 KL -4.69

15645

6950 47.027 1908.8 -35 53 25.24 1902.1

128
.155

+86
24.38

47.085
16
101

24.54 1939.05
-10
24.64

37.7

115
058
-097

94 99
47.5
45.4

47.019
-5
014

24.70
-27
24.97
24.82
-.44

1955.54

9 8991 (dut)

GC15644

W6951

42636

$-17^{0}3347$

HR4395

11 20.9 −18 30 dF3 +11.7 a

+12.2 L (9)

5.09 +0.42 −0.06 Naur (1) +9.7 C (3)

~~5.08 +0.40 Cape~~ δ = .07

+13.0 Orbit

Fe 15th F5 IV

5.09 +0.42 +1.59

S = 1.5 × 02 = 03

$-0221 \; {}^{27}_{-037}$

−0220 ± 2.1 −038 ± 2.2

−3.3 −034 Gc

−341 ± 4 −038 ± 10 Y

−295 ± 7 Cape Ref.

+59	−41	−22	.020
+48	−35	−16	.025
+39	−30	−12	.030

8 Y (10)

27 C (16)

14 ± 8

-0034 ±5.8 -0016 ±4.9
-0032 -0012

99004 11 21.0 +17 25 7.0 A3 -0.78

15645

6952

1.139 1893.7 +17 24 56.49 1891.7

191 93

.330 0.42

1.204

211 388

1.167 194 (42.9)

+10 -.136

177

56.90 1933.0

56.98

-5.78 1940.2

+6 73 2

56.84 36.6

56.91 (44.9)

-.53

– U Ma

HD 99602 11 ~~20.5~~ 21.2 +37 3 – 12.3 b

– 00530 – 0161 W_{350}

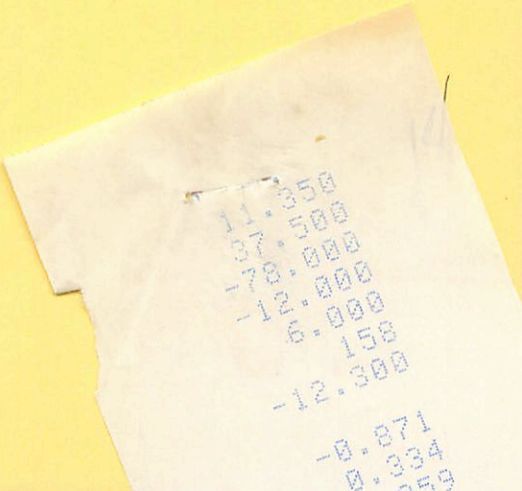
– 0631

– 062 – 012

9564 – 9997] 0623

2415 – 0252] 0104

+723


11.350
37.500
-78.000
-12.000
6.000
150
-12.300
-0.871
0.334

H 뚜

RX Leo 11 21.3 +26 53 -1

12 red

12X (8)

+010 ± 6 -037 ± 6

+022 ± 10 -009 ± 10 BO

+014 ± 5 -030 ± 5

Y2642 16 21.8 +21 39

R627 t51 (2)

1.00 271°

Po o Leo $^{-28}$

80:13 w(6)

139 -990 365 930 1.00 00 -20 0-7 0

-139 0 -990 0 -65 -4.660 -18.6 +15 -3

+8 -74 -7 066

-67 -34 -21

EGt -0021 ± 2.3 +022 ± 2.1
-0019 +019
99167 11 22.1 -10 35 5.1 g M0 +3.1 b

15665 +08 (2)
RS III
6962 ~~+0049~~ 15 +1.8 (18)

4.927 1894.5 -10 35 5.45 1888.12
128 -1.36
5.055 6.81

4.956 5.97 1941.28
15 968 +5
971 -087 (47.0) 5.92 306
41.5
34.660 48.06 1941.78 (53.3)
30.316 17.62
4.972 5.68 5.79
5.83 -1.02
998 5.71
-13 +4
985 5.67

99302 -0024 -0034 +0007 -003 23.1 +27 01 7.30

6.914 1910.7 0941 +001 20.27 1910.4 28 19.99

7.888 -0024 -0027 -0001 -0027 +002

6.892 1936.2 20.02 1935.5 -2 20.00

6.893

44.35

6.877 22 899 19.99 1952.50 -4 19.95

896 -102

-0082 ±2.5 +042 ±1.8
-0087 +045

99283 // 23.1 +56 07 5.8 g 6-6 -5.9 6
15686

6970 8.577 1895.7 .+56 7 29.04 1893.7

445
9.022

43.78
25.132
8.912
-170
.742
749

8.600
=1
599
8.579
0

1927
642
-380
43.6

- 2.36
26.68

42.4 1526.0
14.15
28.25
-23
28.02
-3
27.99
29.18 1844.88
-18
29.00
29.24 1847.14
=6
29.18

28.72
+2.04

11802
393
45.6

4413 11 23.5 263 42

99453

12 171 512

55779 321 162 422 2263 -8474 072

133 441 -315

229 -314-068

31438 65.52

2 sp -709

-72

3646 0.51 175

8219 -9834 -3210

5696 -1815 0093

32.058 ±0.7
1.8186
45.74
31.747
27
774

74

-0.462 ±4.8
-0.103
20.44

47.87 6.0
3.42
43.95
48.27
25
48.95

-089 ±4.1
-078
-076

33.114
14
528

41.12

46.41
-20
46.61

-478
-478
-472 -077
-474 -072

HR4412 11 23.8 +33 44 -24.6 f

-840 +013 → 6.37 +0.44 0.00

51.3 ps.

				0220	1673	+8.5		+0.3
-872	358	333	+1653	~~+1545~~	~~+3248~~	~~+14.7~~ +8.2		~~+8.5~~
				0573	-0117	-0.6		+0.4
364	931	-047	-0690	~~+1144~~	~~+3454~~	~~+17.7~~	+1.2	~~+18.4~~
				0046	-0466	-3.4		-26.6
327	-080	942	-0620	~~+0356~~	~~-0476~~	~~-5.0~~	-23.2	~~-28.2~~

LTF

4230 11 24.4 -25 10

85 TD

+20

-2409749

10.43 +0.70 +009

6.40

-0.221 -0.043

4.03

64.1 pm

-873 466 -144	+9145 -0950	+8155	52.1 +846	+49	-2.9
370 440 -818	-3876 -0847	-4723	-477	-47	+16.4
318 767 557	-3331 -1563	-4854	-489	-20	+11.1

+14.33 76

ADS8164 99525

24.7 −15 22

11 22.2 −15 06 16.0V

7.63+0.75+0.22

7.34+0.28 (2)

−0023 −197 sty

0 +2

−033 −195

−740 784 704 707 662

3326 470 737 310

31 024 310 352

−873 474 −064 | +1365 −4474 | −3110 −13.1

370 569 −734 | −0579 −5259 | −5838 −24.5

318 645 675 | −0497 −5962 | −6459 −27.0

1.2

B3 IV

4415 11 243 -60 50 ~~5~~ B5 IV

99556 5.26 -07 -61 C

15708 2.747

-002 +078 +358 ④ 2.637 ③

MO

538

110

-0021 -001

134

268

-012 +009 ±4.0 +9.4/6 +14

r_0 = 4.84/ 8.15

-27

4.8

-3.1

74

13.83 1.78

2.10 0.85

-28

8244 -5780

5230

-3.05

MV -332

-0024 ± 2.8 -006 ± 2.6
-0023 -010

99651 11 25.3 -01 25 6.3 gK2 -9C6

15728 -1.7 (1)

6984 20.346 1903.6 -1 25 28.71 1901.8

114
.460

+29
28.42

20.362
11
373

28.74 1939.64

24
29.00

3.699
16.702
20.401
2
403
9
412

785
392
-068

(30.1)

13.66
-14.58
28.64
00
27.94
238
28.46

1927.85

1746
8.73
-.31

6.749
33.7
(31.9)

44RB 11 2602 -42 24

OCK744

-0035 -002

−0168 ± 3.1 +236 ± 2.6
−0168 +238

99747 11 26.2 +62 03 5.9 dF1 −8.1 6

15745
6989

14.015 1887.0 +62 3 62.15 1881.6
1.058 −16.14
15.073 2 46.01

1421

48.07 12.7 1527.9
26.508 15.22
14.558 57.49
−214 22
14.364 26
+10
374

496
248
−825

49.2

14.112
10
122

.7246
36.23
54.6

0.84 1844.56
−10
0.74 1818

118.00
59

59.00
63
tra 12.99
+

+57° 13.24   −0111 ± 3.6   −040 ± 3.0

−0113   −038

−0114   −033

99859   11   26.9   +57   01   A2   +9.2 6

HR 4424   99859   −091 −039   −091 −040 G.C.

15760   −091 −035   −080 −042 Gu(2)

6993

56.286   1898.6   +57 0   49.03   1895.3   9764   −9898   0158

571   56.166   +224   49.63   2.19   2281   1494   6201

857   +22   −10   49.03

188   51.22   0968

32.16   37.7   5.7   1425.5   0158

24.570   862   15.48   9264   9.15

56.173   36.3

177   431   932   0113

53   50.22   41.0

539   426   −20   +9.46   4.93

540   −0112   50.02   −1.56   0959

−0117 4 −0378   3

49.99   0158

56.302   1947.14

0   −0934   49.32   7.2

−095 −030   +1 49.33

148-989 839 545 -090-041 +9.2 -034 +8 -104

+013 005 089 034 -099 445 +5.0 -5 +1 015

-12 +35 +1

-13 013

-15 +46 -2 01

-13 +40 0 012

W6495

TU UMa 11 27.2 +30 21 +95 [illegible]

+77 (32) +105 w(3)

ΔS=6

−0.76 ± 6 −0.50 ± 6

−0.76 ± 6 −0.42 ± 7

+2 −2

0 +3

-22R

4427 11 274 +5-4 39 636 65

+010 -064
+1   2
+011 -062

19

```
4427.000*

  11.000*
  27.400*
  54.000*
  39.000*
   0.011*
  -0.062*
   5.000*
100.000
-22.000

  -0.114
   0.429

 -20.007

  -0.299
   0.288

 -30.262

   0.137
   0.857

  -5.115
```

s8umma

99984 11 27.8 +43 27 | 5.9 dF5 −29.6 b

15782

7003

4431

−0045 [illegible] +078 N30

−0045 ± 1.5 7076 ± 6.4 Ge → N30

W_3 50

−00445 +0861

−00454 +085

−0499

−049+090

11.45
+4345
−67
+90
2.4
−29.6

99984 11 22.8 +43 27 dF5

HR4431 5.97 +50 −2 2ε...

GC15782 16 .340 .148 .429 ② SPC 2628;

58 UMa ③ G+

[m1] 209

[c1] 361 .260 −0.6 +5.5 −326

1313 +264 −159

144

74 72

P = 85 yrs +0083 ±5.1 -092 ±3.8
+0085 -108 Sp.B. P =
-2.2a
.058189 11 28.1 +41 34
2nd Orbit
1/8 Orbit
7.3 .0127
+089 -093 H

00018
15787 7931 1903.9 +41 33 50.82
7006 -383 4.75 1898.4
7.548 55.57
51.14 1935.3
7.837 38.8 40.9
+28.9 8.6 668
637 15.85 1627.5 33.4
46.74 16.25 31.1 52.75 35.0
21.140 812 20
7.890 +264 52.55
.390 11 -3.78
.392 52.44
.568 358
51.79

109 -540 663 748 +059 -063 -2.2 -062 -1 -332

-012 009 -088 061 -346 -374 -2 -2 0 0127

-30 -29 -27

-41 -22 +18

-27 -29 -26 014

A058190

+0026 ± 4.9 -006 ± 4.2

+0030 -006

100070 11 28.3 -06 27 7.6 dF3 +4.1 6

15793

7009 18.182 1895.0 -6 26 35.13 1894.2

143 +.33

18.039 34.80

1.847 19.07 1434.33

10" gh/pid 16.290 15.95

18.137 35.07 769

(38.8) .18 33.8

10 35.20 35.07

147 +.15 +.127 (39.6)

+4 35.05

151 154

18.149 1886

16 +115 35.21 1933.36

157 12

35.09

5.77 030 162 1033 2.405

99922 17.5 (3) 11 27.2 -24 11 3.24

31.8

15748 (041) -0037±73 +036±6.7 +1.10

9.157 00.8 -0032 +010 17.15 55.5 (3)

~~516 -013 ~~ 934 182/339 -0033 +008 -1.82/15.97

-0031 +014

(0426)

9.112 66.74 18.18 -0032 +0012

+17/129 -12/18.30 -00314 +0042

34.25 -0432

9.227 18.66

-9 +24

218 18.42 54.574 (34.87) 63.14 -041 +008

14.610 -14.10

9.1 84 / .40 / 224 3)227 99.24 +15 19.14 9843 -9384 0417

1767 2068 0000 +0.7 0044 4.78

99904/

11 271 2~~46~~ 7 ~~8~~ 5-3

-0007 -028

5-013 9.86 31.54

-6.3 f

4436 11 28.4 +49 13 6.31 G5

-031-046 GC
+1 +2
-030 -046

11.000*
28.400*
49.000*
13.000*
-0.030*
-0.046*
5.000*
100.000
6.300

0.064
0.401

8.949

-0.251
0.205

-23.776

0.029
0.893

8.482

-0.8 (1)

λ Dra 11 28.5 +69 36 gMO +22a

HR 4434 3.76 +1.65 -041 -020 FR3

-040 -022 GC

100029 (M0III) WB -0.1 -038 -020 N30

15799 -039 -021

7012 -0072 [88] -020 N30 -040

-0072±0.7 -024±0.5 [illegible]

+12 | -6 +10 -018

+18 | -13 +11 .011

[11] [+10]

-00778 -0259 W3 50

-00767 -0244

-0401

-040 -021

137 -891 837 845 -039 -021 +22 -020 +7 -033

005 003 039 020 -071 199 +7 -7 +1 018

-11 +12 +5

+12 -6 +10

-14 +19 +4 011

+18 -13 +11

4437 11 29.2 +14 39
120180 -3.8 (1)
Ad58846

-0275 -0190 (wrlry)

-326 -190

-337
790
0.85
-4

2.5 26.55
2.5 26.55

0.86

9961-8121 3356
-0465 -5836 -0359

-0001 ±4.4 -016 ±3.4
-0016 -009 -20.9 (46)

100261 11 29.4 -59 10 ±64 -19.58

158.8 5.12 +1.07 +0.90 1 18"

7019

26.835 1911.1 -59 9 57.91 1905.5
4 +71
839 57.20

26.779
-18
.761
1577 57.46 1935.67
788 -33
26.80 57.79
14 56.5 1914.4
816 051 -79
(31.9) 57.29
57.54 8607
-34 43.0
(37.5)


0.300
0.234
0.925
674.311
-13.673

-0021±5.0 -009±4.1
-0008 -009 c

100262 11 29.5 -59 14 5.3 A2p -16.8 b
15820 +5 12 +0 +0005 +003 N30
7020

5.13 +0.41 -11.48 S 24'
5.14 +0.47 -0.14 1 18'

29.493 1912.4 -59 14 22.59 1900.0
79 +36
,572 22,23

22.14 1940.27
-33
22,47

29.538
-18
520 548
-024
29.546
16
576

30.9

21.8 1946.4
-79 86.67
22,59 43.3
22.53 33.3
+.30

100203 +0001±3.3 −073±2.3 −43.8 (28)
ADS 8197 15822 11 29.5 −0015 +61 −023 22 −44.8 (?) −45.9 a
7021

ΔM=1.43 .0366

+001 −073 Ac

31.718 1883.7 +61 21 34.76 1892.8
−6 4.18
712 38.94

6.50 52.9 1927.1
25.352 16.28
.852 36.62
31.212 −19
.640 36.43
.649 0
649

133 -991 878 479 +001 -073 -45.9 -064 -40 -166

0 009 0 064 -303 045 -22.0 +22 -2 0366

+14 -1 -45

+21 -27 -34

AOS 8199

-0308 ± 5.7 +070 ± 3.4
-0294 +075

100214 11 29.6 +56 22 8.0 dF7 +13.3 b

15826 -250

7022 35.355 1903.7 +56 22 12.82 18906

10^m 11.5

1.426 / 36.781 -4.16 / 8.66

12.44 27.6 1927.5
23.800 16.30
36.240 11.30
-115 11.190 669
125 12.33
11.6 11.11.94 +3.67
131 17172 602
5724
35.550 -1.057 12.95 1944.53 11.919
-1 -17 39.73
549 12.68 49.1
35.492 13.00 1947.14
0 -6
12.94

36.0