

+1032-463

30

+12

39.2

5

CC344
W3530
Y1305

11.58

Nov 47

+85 -97 +16 .15
+87 -81 +14 .103
+89 -87 +6 .2
1
1

+105.2

201 -1.55

+2.069

+2.02455

VR

Con

+2.02 -1.52

1605(28)

148 M(4)

174 7/2(8)

169 M(12)

167 ± 16

162 24

~~11~~

Bull

W
v.22

2074

1550

1.12

105.2

93

DEC. 1 : 2,850
 DEC. 1 : 43,780
 R.A. : 285,000
 DEC. : X-1520.000
 STANCE : -1,150
 : 0
 : 187,500

01 (U) : 8,013
 02 (U) : 8,283
 03 (U) : 2,250
 BU : X-1520.000
 : 87,225

04 (U) : 10,233
 05 (U) : 8,814
 06 (U) : 10,233
 BR : X-1524.000

: 430,000

07 (U) : 0,047
 08 (U) : 0,207
 09 (U) : 0,181
 BR : 4381,248
 : 0,218

93

R.A. : 5.650
 DEC. : 12.500
 R.A. : 2069.000
 DEC. : % -1550.000
 STANCE : -1.120
 MODULUS : 6
 VEL. : 105.200

q1 (U) : 0.013
 q2 (U) : 0.283
 q3 (U) : 0.959
 dU : % -1950.680
 U : 89.255

q1 (V) : -0.532
 q2 (V) : 0.814
 q3 (V) : -0.233
 dV : % -11074.690
 V : -90.594

q1 (W) : 0.847
 q2 (W) : 0.507
 q3 (W) : -0.161
 dW : 4381.546
 W : 9.218

15 39 +5600 (around)

39

15

39

5

6.36

10170 - 121 Carbury

121 157

255

121

601E

+560

601E

37456

Energy

429

184

121

94

94

R.A. : 5.950
DEC. : -15.650
R.A. : 255.000
DEC. : -121.000
DISTANCE : 2.070
MODULUS : 26
VEL. : 59.000

q1 (U) : -0.056
q2 (U) : 0.701
q3 (U) : 0.711
dU : -466.870
U : 29.822

q1 (V) : -0.499
q2 (V) : 0.597
q3 (V) : -0.628
dV : -922.844
V : -61.007

q1 (W) : 0.865
q2 (W) : 0.389
q3 (W) : -0.316
dW : 783.577
W : 1.656

+620780 5 41.1 +62 14 AMS -1324(4)

W3551

9.3

-14.3 (3)

PC

+17.8 - 57.9 - 9.6 1509 00003 0.59

+30943 -743#3 V
+320 -778 MEM

+17 -52 -12 .070

65v(12)

997083 985 466 320 -778 -132 -689 -12 -1.720
-319 657 027 -057 -1.241 3.353 -6.1 -1 -6

-21-59-39

0635

$\boxed{+82 -64 -10}$

884-020 1250-484

2020

5 46.1 -51 05

A3 D

35060

3670

7287

094 + 212 + 871 2860

+ 11
+ 134

$M_1 = 2.4$

$2.4 = 1.45$

2800

+ 32 + 30

- 0004 + 084 ± 2.5

- 0008 + 0870

- 0007
- 48

1804 + 187

144

3.85 + 17 + 11 C

054 196 891 (3) 2860 (3) 619

392
+ 1114

214

9 = 1114

428

8720

1299

1471

1253
181

14

17

1.576

+ 16.5

036

+ 1.02
2003

95



95

2823.000*

5.000*

45.100*

-51.000*

-5.000*

-2.000*

3.000*

1.450*

19.498

15.500

3.406

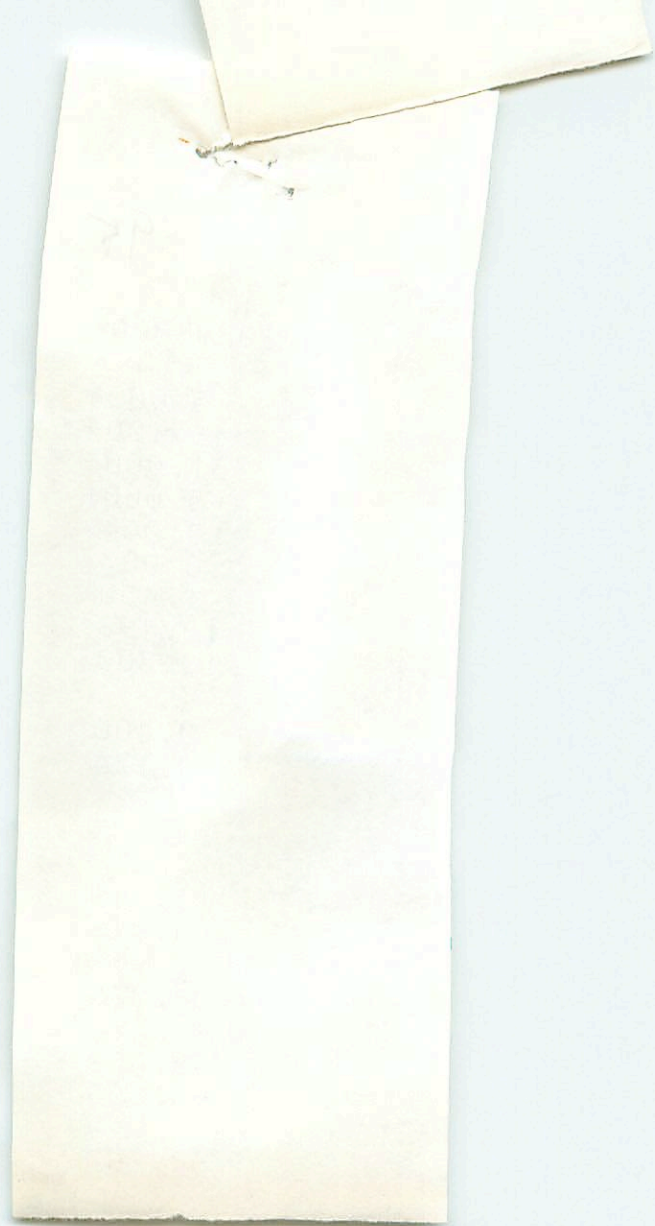
3.174

13.786

3.066

-3.843

-12.629



95

2023.000*

5.000*

45.100*

-51.000*

-5.000*

3.000*

3.007*

1.450*

19.498

15.500

3.406

3.174

10.777

3.048

-3.843

-12.965

3.058

-3.509

-7.267

Blue

39060
7297
3614

(202)

5 46.1 -51 05

+286
+16.5 to 9 C₃(14)

3.85 + 0.175 case

3.84 + 18 1.58 A34 ±0.02 + 0.83 C

-0004 + 0.87 slung ±2.5 0.83 2.5
+0.76 0.2

035 + 12 -23 -13

+0.002 ±3.8
+0.0005
+0.002

5.936 1905.6
-927

1.90 1897.4

0003 + 0.78

-4.37
6.27

00074 + 0.810

3.05 1938.80

5.963

0070

012 + 0.81 8500 1980
5216 9802

(644)

F²
3.03

+ 0.18 5.943 0.65

+ 3.24 8500 1980 0817

0
11.0

1268 9802 0002

0042 010 010 4.54

958 060 -778 628 +002 1083 +28-065 -22 246

~~002~~ +065 0-004 +009 +305 +126 +1 +18

+2 +39 -6

015

+2 +44 -2

012

+35 -18 -10

+12

055

-6.0339 5 45.9 -6 1 10

Y 1353 5 48.1 5 50.5 32.5 -5⁻⁶ 59.71

Mel-AL +004 -181 46 9.5 MO

240 (100)

61 (M) 786 (M) 70 49
1874 0520 3395 7.1
8729-4584 7014

120 day 458 6.8

4232-0520 333
9060-4486 -0.4 0873

9.74 +1.315 +1.255 (2)

8.90 +0.61 (2)

0.000 -0.335 CR

-054 -332 VVR

-017 -330 L

1.3

-008 -335 -1240

145 2005 6.7 2665
6.7 2665

46



0.042
0.80

15.9

-27.0

167

1/20



1/20
1/20
1/20
1/20

1/20

1/20

1/20
1/20
1/20
1/20

1/20

1/20
1/20
1/20

1/20

1/20
1/20
1/20

1/20

96

10.000*

5.000*

50.500*

-6.000*

0.000*

-0.000*

-0.335*

1.300*

18.197

~~24.000~~

23.2

-0.908

0.819

2.50

~~3.151~~

-1.085

-0.505

-30.2

-31.00

~~-31.867~~

-0.722

-0.271

-18.4

-19.42

~~-19.645~~

0573

1.21

+3.2

680 600

1034

39715

5

579

702 09

-3

12/10/85

656

+82 -635 XBR

029

44
+65 -65' m

585
221

669 275

574 489 341

039

+65
-655
265
-30

1797

10048 -644 Laundry

1072 -644

+72
-644
230
-22

97

—

5.850
2.150
65.000
-655.000
2.650
34
-30.000

-0.033
0.450
0.892
-1400.367
-74.489

-0.510
0.760
-0.402
-2517.291
-73.225

0.860
0.460
~~-0.205~~
-1109.033
-34.140

97

351.83
151.831
503.8
524.8
528.8

528.8
482.8
387.8
387.8
312.8

351.83
151.831
503.8
524.8
528.8

500.8
351.83
151.831
503.8
524.8
528.8

1.115 862 070 MF

11.254 +3.9454
-0.864
71.5

5 53.0 -50 23 N1Z

FD864 820 1683 5748
0396 9856 0106
667462 (14)

6.51 +0.90 (1.58) C_m = 0.108
1845.548 -1007 (71)

+0.0077 ± 113 +0.568 ± 9.0
+0.0088 +0.562

+079 +549 57.200 1902.2
-368 39.71 1899.5

56.832
+0.0083 +0.565
-28.68
8.39

+00865 +568 69.65 1927.05

8400.2 - 236 5744
-0101 20.576

+0820 +115 16.75
+087 +568 52.90

54200 / 9923 -11 36.480
0122 57.056

+15.49 0.5740
+ 15.49 0.5740

5746 074 57.050
0027 1000 0122

0.10 0.104

98

+72° 3130

-9° 1261

5 47.6

-9 26

468

5 52 6.8

-9 24.93

McC-AC -0.042 +.003

Lumpsum +.11 +.31

10.63 110 +8.0

+0".046

99
167
0.851
-0.5
0.000

99

99
R.A. : 5.950
DEC. : -37.100
R.A. : 279.000

100

100

234.000*

6.000*

2.500*

67.000*

59.000*

-0.025*

-0.094*

2.000*

25.119

1.800

0.288

0.775

8.407 ⁴³

-0.255

0.519

-5.509 ⁴⁷

-0.254

0.360

-5.808 ⁷³

+21°1079

5 52.2

+21

2

469

✓ 1384

54.9

+21

2

2.35

5 57.9 52.7

16NK(6)

898

66

43

54

M₀C-AC -0.021 -0.356

9.8 K8 +7.4

173

-0.021 -0.356

173

78

-0.36 -0.339 (5.2)

2.4

-28 -0.558 -0.1

-0.24 -0.274 ✓

102

101

469.000*

5.000*

57.900*

21.000*

2.000*

-0.028*

-0.358*

2.400*

30.200

0.100

-0.226

0.989

-6.730

-1.385

-0.149

-41.838

-0.963

-0.018

-29.095

464

5 57.4 +21 02

+2101074

M_v 58

10.06 +1.24 +1.18 ①

98.3

+0.50 ①

-0.021 -0.350 M_v -AG

+0.1



+9°1105

6 0.6

6 5.649.1

59
24
7

+9 29

+9 28.22

470

McC-AC -1050 -007

10.2: MO +7.8

+23.406-689

5 55.3 +23 02 115
6 1 3.9 +23 1.91

-048-358 ML84.31

10.710 +8.3

+63.639

5 59.6

+63.26

235

6 8.747

+63.26
+63.25.09

85.8
88
95

9.1
4.6
1.3

2000

MO

McC-AC+0.191 - .220

+18.0

2.0

9.0 * 8 = 72

10.191 - 0.220

+15.225 + 17.9

7200 245 M

9.68 8.94 + 0.4455

2

102

107

235.000*

6.000*

8.700*

63.000*

25.000*

0.195*

-0.225*

2.000*

25.119

17.900

0.506

0.822

27.419

-1.242

0.456

-23.026

0.440

0.342

17.180

+10°1032

6 08.1 +10 21

+52 cnd (12)

W3895

10.51 +1.40 - 895 (12")

+545 (1)

W421

10.38 +1.00

Manufact

+0.3

+0.3, upper

$\Delta m = 2$
1" box

1068-955

182

10.9 +083 ± 7

1068-955

+08

-92

Cin

068

+35 -54 -21 .101

-955

+068-955

10140 1.46

6.1
+10.35

1094 (8)
990 (10)

9.25 1.04

-955

0.0

101 ± 7

+54.5

103

0962

6.08

360

574

234

150 554

103

R.A. :	10.350	R.A. :	10.350	P1 (U) :	0.942
DEC. :	24.200	DEC. :	24.200	P2 (U) :	0.312
PM. R.A. :	78.000	PM. R.A. :	78.000	P3 (U) :	-0.101
PM. DEC. :	-25.000	PM. DEC. :	-25.000	Q1 :	0.942
DISTANCE :	0.000	DISTANCE :	0.000	Q2 :	-1.072
MODULUS :	10	MODULUS :	10	U :	36.252
RAD. VEL. :		RAD. VEL. :		P1 (U) :	-0.472
				P2 (U) :	0.817
				P3 (U) :	-0.332
				Q1 :	
				Q2 :	
				Q3 (U) :	
				Q4 :	

103

R.A.	:	6.150
DEC.	:	10.350
PM. R.A.	:	70.000
PM. DEC.	:	-955.000
DISTANCE	:	0.000
MODULUS	:	10
RAD. VEL.	:	54.500
q1 (U)	:	-0.101
q2 (U)	:	0.319
q3 (U)	:	0.942
dU	:	-1479.15
U	:	36.557
q1 (V)	:	-0.475
q2 (V)	:	0.817
q3 (V)	:	-0.320
dV	:	
U	:	



34.337

107.0-

0.700

71.401

138.0-

0.167

131.938

0.185

2.627

1.500

50.119

0.500

0.563

0.082

-23.000*

-50.000*

53.000*

5.000*

40105.000*

ab