

1721040

3 25.9 758 42

-6.0a

131

ADT

418-442 > 548 2.5.68

7009 70026C

133

442

531

122

-00073 +0055 W<sub>3</sub> (2)

78077

-0010

-003 +005

1065

3 28.3

+22 24

277B

6.35

4.85

77-0

7043-027

7041-025

7041-024

16511

3 29.9

+ 9 12

85

21433

576-07-24

~~200 MS 243 228~~

BS 12

115 943 2704

F2 +07

32.55 24.15

316 216 361

+0.05

V0 5.70

05  
5.5

8396

5523

10541 48

+0.1

5509

~~8059~~ 1024

11.91

5970

0562

+0017 -037

N20 11.91 16.7

4023

0087

+0016 1035

+0.0

-0.3

-77B

6861

+0024

~~183~~

+0021

-844 664

6861

4.94

+00145

-0425

+0029

~~1030-045~~

1026-071

-049  
-042 ± 1.8  
-046  
-048

2-1-07 1905.1  
1.84

+1022 ± 1.9  
+5020  
+5022

53.419 1906.1  
+1018

-057  
32.2

+00205 -047 ± 2.2  
+112  
+0458

+0287  
+024.5 - 048.5

53.366  
+0222  
1.388

21.21  
+ 2.1  
21.42

3.8  
+9.2  
+30  
-48.5  
576.5  
+8.3  
1938.89

5970  
8023  
-7713  
14365

21.58  
+07  
21.65

53.423  
+1.5  
438

53.362  
21  
382

33.90562  
-0081  
5.15

6882  
1480  
-9  
1981

Observe

1079.000\*

- /

S

TIME

3.000\*

29.900\*

9.000\*

12.000\*

0.026\*

-0.041\*

5.650\*

134.896

8.300

-0.011

0.801 *gr*

5.161

-0.227

0.063 *f7*

-30 *36* -30.044

-0.039

-0.055

Comments:

1079.000\* 3.500

9.200

3.000\* 30.000

29.900\* -48.500

9.000\* 5.650

12.000\* 135

0.030\* 8.300

-0.045\*

6.000\*

56 5.75

158.489 <sup>12183</sup> 0.478

140.6

10.000 0.360

-0.009 0.801

0.801 <sup>+112</sup> -15.664

6.618 4.536

+7

-0.665

0.744

-0.253 0.062

0.063 264.434

35

-39.518 <sup>+9</sup> -35.153

-0.038 0.574

-0.596 <sup>84</sup> 0.563

-0.595

-11

-12.055 -48.819

-11.527

1081 3 29.0 247 33 ADD

21991

5.58 + 11 (60)

887 127 1097 2.846

025 126 1085

281

133  
345  
1090  
26

+0.15  
5.7  
52-3

186

1052

3 30.8

LC 40

R 2 1/2

Downy

582 @ 783 946 2.712 @ 3 442

$\frac{166}{962}$

V<sub>0</sub> 5.72

133  
7.05



160. 31.7

1113

3 37.9

137 25

B7 1/2

22780

+370411

-1.0

5.55 -07 -42 (2)

040

+8018

-023

-024 110 540 (4)

2.719

22.85  
404 0.81

103 545

206  
787

9841 4849  
1778 8746

$m_v = -1.0$

+0214

621-026

6.25

+022-024

9832 4764 / 0344  
1827 8392 / 0000

best seat  
seat

best seat  
best seat

best  
seat

best  
seat

best  
seat

best

best  
seat

best seat

best  
seat

best seat  
best seat  
best seat

best seat

5.961-4 -6

-0.243  
-0.035

26.147-25

0.389  
-0.145

8.683-8

0.889  
0.054

177.828-120

6.250\*  
-0.026\*  
0.021\*

25.000\*  
37.000\*  
37.900\*

TIME

1113.000+

+20 541

23620

3

-019 082 741 2654  
44.8 +233 57

1111-

0750

0350

000148-0130

11728

000144-0425

0203

020-0415

000150

000150-0120

894 5222

0502

0206

0188

474

8228

-0061

-3.5

0207-0460

0082  
5.44

9,60 1969

192744 113 0.27 2B

28.7 115 0.28 2B

27.0 +0.0631 A

29.69 ~~116.5~~ 0.245 9 ~~1~~ B

1941.1 -0.1706 B

31.68 123.5 0.145 80.1 B

0.32 +0.0764 B

3340 128 0.134 2 ~~1~~ B

-0.0057 B

3545 159 0.13 2B

51.45 98 0.185 2F

52.45 101 0.212 4F

53.51 105 0.216 3F

55.00 110.5 0.246 2F

63.56 164.5 0.105 7F

66.53 223 0.100 3F

64.58 170 0.107 40

117 ✓  
+22563

024 111 714 2787 -043

3 456 +23 16 -044

+0014±3.0 -049±2.1

22.94 / 1.9 +0017 8.71 2.6

-91  
550

+0013

232  
1103

+0015 -0435

22.432

66.75

8.37

8894 5249

0174  
-069

+0018 -0416

27

959

-17  
8.20

4572 -8572

0074

+0190

+019-044

22.918

68.55

8.31

5.3

17

936

-9  
8.2 ✓

-019 092 708 2147

23800 3 46.2 +23 54

423,557

8937 5224 } 04179  
4486 -8527 } 7093  
585

1175

Wyd

5076

1150 also

toilet 2043 ✓  
toilet -0440

240

841

~~toilet~~ -0420

211.5

0154

~~0160~~ -0400

5.65

+7.4

0156

0468 } 0468  
~~0468~~ } 4075 -0097

~~0160~~ -0444

toilet -0444

0160-0440

R.A. : 3.750  
DEC. : 23.900  
PM. R.A. : 24.000  
PM. DEC. : -41.500  
DISTANCE : 5.650  
MODULUS : 135  
RAD. VEL. : 7.600

q1 (U) : 0.429  
q2 (U) : 0.133  
q3 (U) : 0.893  
dU : 18.475  
U : 9.282

q1 (V) : -0.660  
q2 (V) : 0.722  
q3 (V) : 0.210  
dV : -210.566  
V : -26.812

q1 (W) : 0.617  
q2 (W) : 0.679  
q3 (W) : -0.397  
dW : -69.518  
W : -12.398



(1) 195 (dial)

1185

3 420 422 06 85 III

23456

Phonetic

4.07

100 620

2.746

(5.4)

(5) 635

Franklin 5149

Hymn

105 615

210 / 825

8784 5207  
4774-8537

04483  
10072  
4425

NV = -0.44

0081  
5747

710 fm

+0099 -0387

2C 96C

+0020 -047, ul

+00078 -0337  
+00078 -0337  
+00078 -0337

+00374  
+033-094  
0558  
10059

+00018 046

+00044  
+00044 -0331

+00374  
+033-094  
131  
0040  
0720

0261

0264-0485

+0044  
+0097 -0331

$$\begin{array}{r} \text{of} \\ +001397-0172 \\ \hline \end{array}$$

$$+0013 \pm 34 - 037 \pm 3.3$$

$$68.347 \quad 15042 \quad +0017 \quad -076 \quad \sqrt{37.30} \quad 1502.9$$

$$\begin{array}{r} \cancel{+0024} \\ \hline 1.74 \\ \hline 39042 \end{array}$$

(69.44)

$$\begin{array}{r} 58406 \\ \hline 1.74 \end{array}$$

$$38.94$$

$$\frac{1}{1.74}$$

$$\frac{-9}{35.85}$$

$$+0018 - 0165$$

(66.5)

$$58414 \quad \frac{27}{411}$$

$$36.57$$

$$\frac{-17}{3}$$

$$\begin{array}{r} 58416 \\ \hline 1.74 \end{array}$$

$$36$$

(65.5)

$$+00188 - 0781$$

$$\boxed{+019 - 018}$$



Comments:

STAR TIME

STAR

Observer:

3.388  
 22.188  
 18.088  
 -34.000  
 6.200  
 1.74  
 5.488  
 0.419  
 0.159  
 0.894  
 -3.519  
 4.215  
 -0.659  
 0.731  
 0.179  
 -152.515  
 -25.538  
 0.625  
 0.664  
 -0.411  
 -74.007  
 -15.081

24817  
1224

18480

3 54.3 + 5 53

4756  
8724  
B.M. 0.87

C.08 + 0.06 + 0.04 C

609	028	175	(2390 1424) 2887
013	192	1.000	2.886 JG
023	189	1021	2.882 et al
018	190	1010	2.894
	194	u=030	31

+15 silent  
+8 3V  
+12:

998      2=033  
1386  
1410  
1.73

+11.7 mycom

+0020 - 0669  
+1      +  
+0021 - 066  
+030 - 064

no

+1.15 ✓  
4.9  
7713  
436K  
5492  
-8357  
0573  
any

1188

3 47.3 +25 26

23985

4616

3.24 +0.235 +0.085 2344

yo.

AD5274

p=0.3.5

$\Delta m$  0.3

0.7

St?

New

+40

-12.572

-0.563

-0.072

-32.738

-0.050

-0.329

2.921 3

0.025

-0.069

11.700

97.724 G45

4.950\*

-0.066\*

0.030\*

53.000\*

5.000\*

54.300\*

TIME

STAR

1224.000\*

1224 3 544 +5- 53 4.08 70

24817

4.08 + 0.04

-3.82

(0)

628 185 / 194

1024 2882

(1.1)

288

10000 - 0669

392 / 1408

107.99

111

1030

1031 - 0669

13000 / 0.59

1000 / 10.071

9713 / 6365

5452 / 8359

0773

1224.000\*

3.000\*

54.400\*

5.000\*

53.000\*

0.031\*

-0.069\*

5.000\*

100.000

~~11.000~~

15



-0.073

0.825 82

26

+5

1.803

-0.343

-0.051 5

-35

-34.837

-0.076

-0.562 52

274

-16

-13.774



2535

4

010

-71

18

70221+0363

PAR

72.3

AG RW 4 637 +33 19

400044 - 0004 W, (D)

40054  
40050 - 0052

0096 0009

425

9324  
~~9379~~  
3468 - 8999

4864

0054

0010

+325

0011

9.16

(14720)

1307 4 108 +10 05 135

$4^{0.5119}$

$6.22 \times 10^5 - 316$

$E = +0.20$

~~5.65~~ 5.7

6.24 059 089 602 2.739 085 2.745

107 550 214

504

$V = 5.725$

$M_V = 0.55$

6.28

4.2

+10.1

+28.5

-17

6.05

+2.5

-0.4

~~10028-036~~ 1c4

~~10026-1024~~

~~10383~~

~~10385-031~~

12.5

$6.25 \times 10^5 3.9614$

2.754

(121)

+35.5

+19

6.0

+12.5

5.75

4.993

9898

6134

8985

(1100)

(98) (100) (100)

802

+0081 ±6.0 -0.23 ±4.9

+0025

+0015 81

+0010

11.51<sup>-0.11</sup> 1893.4<sup>-0.17</sup>

1-30

50.213 1895.1

-170

.043

12.91

11.77 1560.36

50.059

+ 1.106

50.101

+ 0.40

1.41

50.9

~~11.65~~

+0028 -0.18

12.17 1933.8

12

12.29  
-0.52

~~50.26~~ -0.118

+0384

+0309 -0.16

50.050

+ 30

50.110

+0020 -0.16

+0019 -0.15

+0266

+0225 -0.17

12.13

+1.5

12.28

40.02

Observer:

4.200  
10.100  
28.500

STAR

M

TIME

-17.000  
39.500  
19.000

6.150  
158  
6.000

2.500  
170  
2.500

0.337  
0.334  
0.334

0.880  
0.880  
31.922

5.227  
17.817  
7.260

-0.643  
0.764  
-0.644

-0.644  
0.764  
-0.044

-147.158  
-187.434  
-29.817

0.688  
0.688  
0.552

-0.472  
0.552  
-0.472

46.991  
77.054  
11.031

6.799  
11.031  
11.031

Comments:

1307.000\*

4.000\*

10.800\*

10.000\*

5.000\*

0.038\*

-0.031\*

6.200\*

5.95  
153

178

173.780

2.500

0.012

0.878

184

4.311

-0.228

-0.041-6

-39.772

0.042

-0.476-23

6.140

ADJ83447

4

11.1

28

05

Sh Ca-7

4

13.4

+28.0

1001 - 0.24

4.2

+28

1

26

6.0

19



0.688	:	q1 (M)	:	M
0.670	:	q2 (M)	:	MP
-0.280	:	q3 (M)	:	
-79.699	:		:	
-20.661	:		:	

-0.643	:	q1 (V)	:	V
0.741	:	q2 (V)	:	DV
0.193	:	q3 (V)	:	
-93.988	:		:	
-15.476	:		:	

0.337	:	q1 (U)	:	U
0.048	:	q2 (U)	:	DU
0.940	:	q3 (U)	:	
-4.456	:		:	
15.099	:		:	

4.200	:	R.A.	:	
28.000	:	DEC.	:	
1.000	:	PM. R.A.	:	
-26.000	:	PM. DEC.	:	
6.500	:	DISTANCE	:	
200	:	MODULUS	:	
17.000	:	RAD. VEL.	:	

1371

4 20.1

442 19

A0 II

20.495

6.23 019 133 836 2.844

6.5-7.0  
0.5

2103 -35.14  
5.90 0.84

55

139 932  
278  
1110

9806  
1431

3430 0.40  
9393 0.24  
0.57  
622

+28-37

+0253 -0295

+024 -021

6.0  
25  
6.75  
25  
6.0

+0.75

+0.95

+0024 -0325

Remains

00210 -0300

+0235

022-032

03

DEFERRED  
1.000000  
4.000000  
8.000000  
12.000000

6.578  
40  
618

18.1

45.56  
1.5  
45.57

40  
618

1371.000\*  
4.000\*  
20.100\*  
42.000\*  
19.000\*  
0.024\*  
-0.031\*  
6.250\*  
177.828  
5.000  
0.064  
0.931  
15.956  
-0.173  
0.353  
-29.024  
-0.023  
-0.087  
-4.475

47

SH 103

4.25

2 BH 10-5

1084

10.4-024

716

24

6.5

bird mm

~~115~~

75 Marks

R.A. : 4.250  
DEC. : 28.400  
M. R.A. : 16.000  
M. DEC. : -29.000  
DISTANCE : 6.500  
MODULUS : 200  
D. VEL. : 15.000

q1 (U) : 0.326  
q2 (U) : 0.039  
q3 (U) : 0.945  
dU : 16.389  
U : 17.439  $\pm 6$

q1 (V) : -0.641  
q2 (V) : 0.743  
q3 (V) : 0.191  
dV : -144.961  
V : -26.065  $\pm 24$

q1 (W) : 0.695  
q2 (W) : 0.668  
q3 (W) : -0.267  
dW : -45.427  
W : -13.073  $\pm 10.3$

180  
36  
-5

172  
35  
-48

S. Lee

4

29.3

-45

4

B215-5

1443

-094 +064 +199<sup>128</sup> 2.652

2883

(327)

~~2.652 360~~

5.06-20 -78 C

B=+03

(-80)

-2.15

4.95 = v0

2.693

2652

(204)

+00027

-0006

FIR4

+13.0 ± 0.4

-17

+0028

+ 42

$m_v = -2.1$

B = +03

v0 = 497

(7.30)

B-v0 = -23

u-v0 = -80

$m_v = -2.35$

+007 -002

+3  
+29

1443.000\*

4.000\*

29.300\*

-45.000\*

-4.000\*

0.007\*

-0.002\*

7.100\*

263.027

13.000

0.000

0.245

3.259

-0.024

-0.686

-17 -15.320

0.024

-0.685

-1 -2.463

7.6  
333

DL in

1569

4 41.7 -8 36

8282

3676

586-09-80 ④

086 040 069