

Σ 21111

4305

16 530

+56

14

4p

112485  
17518

1.78 -03 +01 J

+7' -14  
+01245 -0077 12.9124

+01302 -0091 150

-015

140

1.159

2.871

IG-Stu

+01302 -0091

150

-014

148

1.164

2.867

et al

1086

+1111 -004 -128

146

1.164

2.867

et al

Bud 51

hual -7063

Sin 7074

hual -0880

Sin 9961

1167  
232  
499  
1492

a = +6

-11.211

-0.033

0.876

-0.482

-0.019

0.831

248.353

0.411

0.725

0.553

-13.156

-404.188

0.253

0.492

-0.833

-12.800

25

1.950

-4.000

180.000

56.250

22.900

5244

12 539 41 18 43

121607

18841

5.50 +21 +12 C

114 194970 @ 500 2-8124

0032-025 Perth  
~~0028-024~~ shg

-31 126 676 2812  
① 685

12 54.2

-50

55 88 II

44B

4-0300

4-0300  
4-0300

419

5-16 -06

518-038 131 677 2815 Co

~~8-12~~

-022 116 684

108 1 slash

109 688  
218  
906

125

WIP

$m_v = +0.45$   
10 5000  
4.65

~~0028-025 Perth~~  
~~0028-024~~ shg

125

WIP

$m_v = +0.45$   
10 5000  
4.65

125: 54-54

54-54

$m_v = +0.45$   
10 5000  
4.65

54-54

$m_v = +0.45$   
10 5000  
4.65

125

54-54

$m_v = +0.45$   
10 5000  
4.65

$$10.885 \quad 10.2 \quad -0.02552 \quad -0.2553 \quad 41.91 \quad 2.2$$

$$12.7 \quad -0.040 \quad -0.34 \quad 1.20 \quad 40.71$$

$$11.812 \quad -0.027 \quad -0.25$$

$$10.913 \quad -0.032 \quad -0.28 \quad 11.71 \quad 39.41$$

$$17 \quad -0.035 \quad -0.28 \quad -24 \quad 41.97$$

$$10.885 \quad -0.0308 \quad -0.213 \quad 41.68 \quad 55.25$$

$$40 \quad -0.288 \quad -0.87 \quad 42.05$$

$$\boxed{-0.288 \quad -0.288.5-0.17}$$

$$10.822 \quad 42.28 \quad 70.42$$

$$\frac{0}{814}$$

$$-33$$

$$42.9638 \quad -86.20 \quad 26.666 \quad -50.49$$

$$0.326 \quad 40.35 \quad 50.5 \quad 20.69$$

Observ

|           |         |         |
|-----------|---------|---------|
| -1.050    | -0.855  | -0.855  |
| -0.202    | -0.202  | -0.202  |
| -0.072    | -0.072  | -0.072  |
| -27.298   | -0.019  | -0.019  |
| -0.813    | -27.823 | -27.823 |
| -0.082    | -96.367 | -88.834 |
| -5.514    | -0.814  | -0.814  |
| -0.545    | 0.179   | 0.179   |
| 0.095     | 0.553   | 0.553   |
| 25.000    | -5.183  | -5.524  |
| 85.114    | 108.699 | 104.299 |
| 4.650*    | -8.545  | -0.545  |
| -0.016*   | 0.096   | 0.096   |
| -0.026*   | -0.833  | -0.833  |
| -55.000*  | 25.000  | 25.000  |
| -50.000*  | 78      | 78      |
| -54.200*  | 4.450   | 4.450   |
| 12.000*   | -21.000 | -17.000 |
| 4913.000* | -47.500 | -45.000 |
|           | -50.900 | -50.900 |
|           | 12.900  | 12.900  |

Comments:

4944

13 04.3

598 48 1.58

-10 58  
174

118923

$K_{m=0}$

375

053

923

2.709

424

121

848

242

8.90

1090

442

$\frac{-1.50}{6.5}$

-0026-020

-0027-014

-0205

1021-010

$$\begin{array}{r} 1.671 \pm 7.1 \\ -0021 \\ \hline -0026 \end{array}$$

$$\begin{array}{r} 18.156 \\ 151 \\ \hline 18.307 \end{array}$$

$$\begin{array}{r} 45.508 \\ 82.132 \\ \hline 18.035 \\ 18.221 \\ \hline 19.241 \\ -063 \end{array}$$

$$\begin{array}{r} -024 \pm 5.1 \\ -015 \\ \hline -020 \end{array}$$

$$\begin{array}{r} 36.31 \\ 1.30 \\ \hline 35.01 \end{array}$$

$$1895.8$$

$$\begin{array}{r} 3337 \\ 245 \\ \hline 35.82 \\ + 40 \\ \hline 35.34 \\ - 113 \\ \hline 35.1 \\ - 53 \\ \hline 35.1 \\ - 52 \end{array}$$

Observer:

-8.047

STA

150.0  
-0.041

TIME

-15.297

-0.819  
-0.060

14.182

-0.572  
0.083

4.000  
199.526

6.500\*  
-0.010\*

-0.021\*  
-36.000\*

-59.000\*  
4.300\*

13.000\*

4944.000\*

Comments:

#27

155419

13

07

58

-63

38 41

9.62 451 1065

-0604 -0143

-0403

0906-0101

0403

-0110

5.23

1566m

6.33-13-45 +03

4967

12 07.4 +38 45

07 III

114376

(503)

-042 107 534 2.74

6.25

99 532

198

930

62

-0016 000

-00165 +0005

-5.5

-115

7.4

-0143

1.007  
-017 +007

4357

24.078

18927

-0014 ± 2.6  
-0018

-005 ± 2.1  
+006

58.78

18947

073  
151

28  
59.06

-014

108

770

2.787

115

773

2.10  
993

-015  
18.000

24.070

-0016 000

59.61

1952.58

-019

+20

24.059

59.41

.100

.35

Observer:

7- 609.5-

STA

826.0

TIME

-0.001

7- 211.2-

0.201

-0.020

25 25.314

0.056

0.085

-5.500

35 301.995

2.400\*

0.002\*

-0.017\*

48.000\*

38.000\*

7.400\*

13.000\*

4967.000\*

Comments:

5093

077651

-0011

B.S

L.C.T

-102

-19

802

11201

33501

-28

44061

20.901

44061

24.715

50.20

44.35

27.53

177

-0066

-029

6.87 -012-148 903 2.596

13

30.1

-65

03

6-37

AVG

7059400

087-000

-0067

-0071

5186.627

3506

536

9202

-8147

0418

1.07

8916

5736

008

2-10

33.57

584

6-37

AVG

7059400

087-000

-0067

-0071

5186.627

3506

536

9202

-8147

0418

1.07

8916

5736

008

2-10

33.57

584

6-37

AVG

7059400

087-000

-0067

-0071

5186.627

3506

536

9202

-8147

0418

1.07

8916

5736

008

2-10

33.57

584

R.A. : 13.500  
 DEC. : -65.400  
 R.A. : -102.000  
 DEC. : -19.000  
 STANCE : 5.650  
 ODULUS : 135  
 VEL. : 12.400

q1 (U) : -0.781  
 q2 (U) : -0.159  
 q3 (U) : -0.604  
 dU : 171.413  
 U : 15.628

q1 (V) : 0.605  
 q2 (V) : 0.053  
 q3 (V) : -0.795  
 dV : -126.438  
 V : -26.911

1 (W) : -0.158  
 2 (W) : -0.088  
 3 (W) : -0.055  
 dW : -56.998  
 W : -8.368

9556  
 9290

17  
 137

175

1457

1711

1757

1750

1756

1750

1757

1759

1757

1750

1756

1750

1756

1757

1759

20 35.2

602-2563

5105

13 316

+3 55

Ap 507 5666

118822

400-6265

18335

4.43 +02 +01 C 510 7752

+00248 -0274 W350  
+00303 -0274

71 23 2 936 2.853  
+07 226 935 250 2.880  
35

+0453

+0417 -024

-11

225  
450  
-004 = 2 1.46

+10 = 2

12048  
+0410 -027  
-12

936  
13 86  
1.375

4125  
3.65

135  
+34  
+47  
-24  
3.7  
-4

13.500

3.900

47.000

-24.000

3.700

545

70.74

-8.000

1.16

-0.781

0.509

-0.362

-231.462

-9.823

-11.05

-15

0.605

0.762

-0.232

47.688

4.473

2365

24

-0.158

0.400

0.903

0.584

1.652

-8.55

-10

78 Vm

13 31.6 + B 54

5105

4.53 + 0.02 + 0.01 C

-9.0

114022

-007

231/ 534  
228 535

2.880 V

\*1

450 2915  
0.35

-03

100291 - 0297

Field

04943

1386

1.373

G = -005

-03

+0420

+044 - 0025

3.7

-044

n = +013

n1 + 1.25

5165.000\*

13.000\*

31.600\*

3.000\*

54.000\*

0.044\*

-0.025\*

3.700\*

724 54.954

-9.000

-0.223

-0.368<sup>14</sup>

12 -8.928

0.036

-0.227

14 4.037

-0.082

0.902

-14 -12.600

Go 235

13 340

475 44

-122-080

7814-3360 1272

255

-1235-000 0140

0251

13.6

248.75

145

20

2.75

020826

18669

13 468 ÷ 50 00

-0038 -041 287

-00347 -034

-0335

-034 -034

9895 -778 / 0479

1444 -638 / 0046 / 0058 / 5-04

120326

13 46 44 -49 59

226  
121

214 547

-0035 -071 stay

00

-00304 -0365

985

-0243

9897 - 7705

-0246 -0306

1434 - 6374

0423

0047

+2.5

0240

5.23

V0840

575-16 1.22 -21 405

5206

13 48.7 -46 38

1206-00

576

-080 098 178 2.634 0.27p

084 194

5.6

(-4.1)

362 8h45

-2.8

-017 -014

-00235-021  
-00234-0164

-024-013

8.4

-0025-025

-00164  
-00160-0167

-00216-0198

-0240

5.75-072 172 180 2.654

0056

-0222

-022-016

994-7624 0271 624  
1006-6471 -0020 -1.71

|            |           |     |
|------------|-----------|-----|
| 0021 ± 4.9 | 036 ± 3.5 | 022 |
| 0016       | 0075      | 020 |
| 0028       | 0075      | 032 |
| 0027       | 0075      | 032 |

40633 112-

$$\frac{4}{13}$$

4021 70.97

20/10/20

40667 3906

部

15.3

12/5

-52-

85-52

$$\begin{array}{r} 54 \\ -39 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 6.21 \\ 40 \\ \hline 6.61 \end{array}$$

$$\begin{array}{r} 505 \\ \times 170 \\ \hline 000 \\ 3535 \\ 5050 \\ \hline 85850 \end{array}$$

Observer:

120.22- 31-

S

0.254

-0.044

32.116

102.0-

-0.073

31.536

0.666

0.060

-4.100

478.630

8.400

-0.014

-0.017

-39.000

-46.000

48.700

13.000

5206.000

TIME

Comments:

120535

16 4.10  
1.8

13 44.8 -48 87.8

-48.1317

-0020-0216

876 2.050

-0217

50.15

-0218-0210

9474

-7550

8802

0018

0650

-6511

41.3

0063

234 4107

5.44

5/10/11

M. P. A. 0.4 B 0.2 A. 10

13 49.0 -32 45 [505]

(A) 472 -62 108 315 3.704

A -0031 -045 003 159 1037 2848

(163) 1034

1.36

B -0037 -031

-0350 -0331

13.6

32

P.V.

416

1331

0478 +0026 +1.2

5.0

1000 5.00

410

$$-0030 = 26$$

$$-04542.5$$

$$-040$$

$$55.48$$

$$97.8$$

$$-0024$$

$$158$$

$$-0033$$

$$-0028$$

$$41.71 \quad 940 \quad -047$$

$$25$$

$$47.19$$

$$+1.2$$

$$04780026$$

$$-039$$

$$55.135$$

$$66.48$$

$$44.80$$

$$+8$$

$$943$$

$$-22$$

$$50.09$$

$$-0030 \sim 0413$$

$$-00274 \sim 0395$$

$$55.928$$

$$55.94$$

$$44.64$$

$$-43$$

$$50.12$$

$$-0352$$

$$-0350 \sim 0336$$

$$56.011$$

$$39.17$$

$$48.76$$

$$-20$$

$$48.56$$

$$-0028$$

$$-00259$$

$$-00190$$

$$-0326$$

$$-0322 \sim 0351$$

$$55.990$$

$$-21$$

$$-0428$$

$$-00259$$

$$-00190$$

$$-0326$$

$$-0322 \sim 0351$$

|             |         |
|-------------|---------|
| R.A. :      | 13.800  |
| DEC. :      | -32.750 |
| PM. R.A. :  | -41.600 |
| PM. DEC. :  | -33.100 |
| DISTANCE :  | 5.000   |
| MODULUS :   | 100     |
| RAD. VEL. : | 10.000  |

|          |        |
|----------|--------|
| q1 (U) : | -0.747 |
| q2 (U) : | 0.160  |
| q3 (U) : | -0.645 |
| dU :     | 98.810 |
| U :      | 3.431  |

|          |          |
|----------|----------|
| q1 (V) : | 0.625    |
| q2 (V) : | 0.499    |
| q3 (V) : | -0.600   |
| dV :     | -181.983 |
| V :      | -24.199  |

|          |         |
|----------|---------|
| q1 (W) : | -0.226  |
| q2 (W) : | 0.852   |
| q3 (W) : | 0.473   |
| MP :     | -96.111 |
| M :      | 088.4   |

TIME

Observer:

Date:

121617

107.28  
1.13  
~~3.33~~

13 54 32 -46 46

1009

-0024 -035 8m

-00226 -0298

242-745

1089

0570-6620

-0232

0348

-0235-0254

0034

+2.5

0023

544

121617  
17856

13 5-4.5 -46 5-5

0026 -035

0026 -0322

0268

-027 -024

0394

0040

+235

0080

5.48

5460 -7509  
0 88 -604

122982

14015

14 030 -44 27

14

1024 -028 Sky

81412

-0264 -0253

10 715  
1:25  
2:00

-0284  
-029 -027  
-027

0314  
021

104

074

514

0314

0940 -0315  
0410 -0414

1024 -021 0023  
514

123021 8/20/2020

122982

261408

122482  $V_0 = 7.1V$

$1.26$

14 03 00 -44 27

022

$1^{\circ}$

-0026 -028 *clay*

-00233 -0234

-0250

$\boxed{-0253 -0146}$

9442 0344

-7301 -6833

$\left[ \begin{array}{l} 0819 \\ -0030 \\ -21 \end{array} \right]$

0067

547

E  $V_0$  MY

21906 1.323023  $7.1V$  11.25 5.9

0009±1016 - 000±8.0

14 3 0.305 2.9

2.52/978

$$\begin{array}{r} 271141 \\ 33.318 \\ \hline 0463 \\ 130 \\ \hline 1538 \\ -11 \\ \hline 526 \end{array}$$

24.21 20.11

$$\begin{array}{r} 1238 \\ -1238 \\ \hline \end{array}$$

2.44

11

1.88

1.12

2.01

0.532 86.30

$$\begin{array}{r} 144 \\ -36 \\ \hline 11 \end{array}$$

123112 ✓

14 038

-47 21

El(42)059

VO 6.77  
-04

-0023

-0223

Stay

-00144 -0178

-0197

-0201-014

\$472

-7315

0242  
+0034

0241

-6818

-3.2

0051

6.97

123112

~~144035~~

14 03.6

47

21

09035

-0023 -023

0 + 28

044127 1054 2857

10234 -0205

140 1003 1.223

-024-017

Plum

-0054-015

9472 -7324 0242

0754 16803 -0034

-3.1

0054

6.0

9785-8329

-1042-5584

122778 14 014 -44 15

16 9.65  
403

824 2.622

-0224 -031 7+6

24/340

-0285

-0260 -0272

7147

1081

-7393

-6734

0325

0026

+16

1024

5.57

14 14.8

-42 22

125007

14 14 45

-42 22

-0020 -022 9th

-00175 -0181

$$\begin{array}{r} 96103400 \\ \hline 3400 \end{array}$$

$$\left[ \begin{array}{l} 1210 - 1100 \\ 8839 - 4435 \end{array} \right]$$

$$1000 - 1000$$

$$1000 - 1000$$

$$\begin{array}{r} 14 \\ 16 \\ 18 \\ 20 \end{array}$$

$$\begin{array}{r} 1210 \\ 8839 \end{array}$$

5357  
125283

(X)

13 26.4  
14 16.4  
-53.64  
5.4304317410072.40660

cc  
10.3 ± 10

F201209

32156 9582523

46 (146) (932) 5.53 ± 0.08 (1.54)

Gc19309

21.462 1847.8 -0042 ± 6.7 -064 ± 6.5  
214 -0044 -004 23.22 1846.3

2425  
3475

-0860

22.181

-0043 -062 19.78

-635

9963

-0043 -0507

-55.5

-2100

51.313 244

25.12 1928.64

435  
10.3

-9042

30.620 244  
-00423 -054

56.85 21.97 + 0.4

-2.15

0753

21.934 + 4

-0505

21.43

2251

1400

-051-055.5

1435.5

21.43

2278

21.94 244

21.72

2467

-7057

+0.85

22.0

21.40

2468

0253  
4.05

14.250  
-36.750  
-63.500  
-55.500  
4.350

75.86

74.13 63.10  
0.300

-0.688  
0.064  
-0.722  
149.199  
10.844

11

19

0.648  
0.501  
-0.573  
-288.168

-22

-23.534

19

-0.325  
0.863  
0.387  
-148.552

11

-10.896

-9

125203

16307

14 16.3 41- 82

-0031 -024 Sky

-00314 -0233

10 7.00  
1.15  
8.53

-0228

0403 0374

-033-020

0050 0041

37

0042

0374

9445 -2068

0320 -2074