

22800 540 0311302 24458 233 954 2819
126661 14 24.1 +19 27 844 45 -28.36

19480

8432

5405

9049 9444
-1057 3140

75
-0051 +019 74 W30
-0053 41.2 +023 41.3 GC 7W30

14286 9762817
272 452
402 16.95

9183

-0049 0 +0143 W30

-0656
-067 +020

fold
-0709 +025.16
PERS

952 -4307
-888
902 -9334
-1307 3016

0654
00/5
0/50
0071
547

2023

129723

15

114

-87 57

185 260 451 2730
159 246 766 1231
FORM III

HR5491

GC20061

RP Out

6.48 +0.31 +0.07 C

APM

-17375 -0701 F124

364 673 1037

165 216 744 2766

6.47 0.195 1.95 732 2.7774

186 .215 .710 2.256 2.48412

[m] 248

456

-0932 -0701

-1855

[L] 623

4139

-0962-0700

-14

-1870 -070

-3689

1186

85000 444

-555 -666 507

+2681 +2408

15920

-19554

-7.1

667

011 -745

-3162 -0038

-1261

-1661

+10.4

-444

752 -434

+2351 -2602

-025

+1.0

+6.1

Observer:

15.050

-87.950

-2684.000

STAR

-67.000

TIME

4.750

36
5248

89.12

-14.500

-0.561

-0.654

-0.507

463.069

32

48.626

0.667

0.005

-0.745

-305.348

-5

-16.414

-0.490

0.756

-0.400

-0.433

-17.193

15

4.750

Comments:

15.050
-87.950
-2684.00000
-67.00000
4.75 4.65000
90.35 85
-14.500

-0.561
-0.654
-0.507
463.069
46.769

0.667
0.005
-0.745
-305.348
-15.189

-0.490
0.756
-0.433
-17.193
4.821

5

5491 124723

14 236
15 014

87 56

1.43
207

Brief

182 211 726

987 -678 FRC

221
-29924
-6728

644 076 113

6494 195 195 732

992 8997
1321 5307

440

5.5x

431

-388 41175

-345 4185

195

5448 37000 4185

1140
-1024

54

440

5408 -9993 } 1141
-1358 1226 } -009

1221
+2500

1254
258
387

14.550	:	A.
-87.950	:	EC.
%-2742.400	:	A.
-67.800	:	EC.
4.400	:	NCE
76	:	LUS
-8.000	:	EL.
-0.644	:	(U)
-0.575	:	(U)
-0.504	:	(U)
484.292	:	DU
39764	:	U
0.659	:	(V)
-0.081	:	(V)
-0.748	:	(V)
-280.124	:	DU
-16762	:	U
-0.389	:	(M)
0.814	:	(M)
-0.431	:	(M)
-80.599	:	MP
-3.526	:	M

320

1021

3416

876
 272
 34
 400

130819

14 171 738 110

6529

PAIRS

mean 411.14

9209 - 8731
3905 4875

2750
0258

258129 578 2028

464

006 -014 129 841 2823 1214
013 200 952 2881

SL44/7

15 68.4 -48 34

RGE 414

AD 60

3.86-05-13
S. 68 +14 +08

$E = (102)$

8551-8736 | 1070
1004

Phon

2014 129

960 2825

962
248

$V_d 3.8$
 $M_1 + 0.2$
3.6

27"

A Variable

(22-23)
2600
248

940
416
1356

2.76)

sketch

B

0.0

-00973 -0495 PMY

020 214 935

64 221 911 2.32

144
-48

-0965

+1241
+1664

67 207 224

413

-098-076

+110

055-2018.5
PR5023

22 days 385 117

5646 1/2 64 040 1321

08.5 -48 34

5445
0324
8337

1832
20

124481/2

204409/11

204409/11

386 -05 -13 C 2.520

-0122 +127 +962 (4) 2822 (C)

109912

5648 714 +8 C

97

36 3.0
+1.0

109912

-412

-0495 FRY -4 W W W

-109973

186
14

5:11 077 205 216 278

E + 2
V0 = 38 (35)

-145

-0945
-096

1387

MV -0.1

R.A.	:	15.150
DEC.	:	-48.600
l. R.A.	:	-144.000
. DEC.	:	-48.000
STANCE	:	4.130
ODULUS	:	67
. VEL.	:	1.000
q1 (U)	:	-0.543
q2 (U)	:	-0.195
q3 (U)	:	-0.817
dU	:	289.593
U	:	18.583
q1 (V)	:	0.668
q2 (V)	:	0.490
q3 (V)	:	-0.561
dV	:	-412.695
V	:	-28.207
q1 (W)	:	-0.509
q2 (W)	:	0.850
q3 (W)	:	0.136
dW	:	36.496
W	:	2.581

+13 PWR

(X)

4

5 Sup

15 08.7 = 51 55 68 17

5649

-25

3.71 +0.52 +0.66 C

134505

+11

2.56 +0.32 2 B

256 2.1

+105
3/10
3/10
205

6.69 +0.50 0.00 C - F 87

-0.01161 -0.0696 F104 -10.0 a

0.216 Cap

10.7

+30

FMS

-1075



112
330 483

848
-4933

-858
-5724
1336
0673

5649.000*
15.000*
8.700*
-51.000*
-55.000*
-0.109*
-0.067*
2.400*
30.200
-10.000
0.358
-0.804
18.841
-0.490
-0.589
-8.895
-0.010
0.087
-1.155

50.P =

r 4 mi

~~137422 15 20.8 +72 01 3.1 A24 -3.9a~~

20692

8907

-0049⁹⁸ +017⁹⁵ N30

¹⁷⁴ 057 ¹³⁶⁸ 121 1379 2758

-0053 ±0.7 +017 ±0.7 GC → N30

5735

-08815 +02017

FRS 993
+66
-106

→ 7158
6483

0275
-0007

Wood

17

983

484

36

6789

0131 + 0546

998

1559

01-60

0548

9878

2044

014 046 0102 2896

021 155 1094

039

B

18824

4590

0754 1330

037

14

548

-23

03

008 148 / 959 2867

3-11

9267	4103	1510
3259	4119	-1030

71-00

197589 794 ~ 20 442 +33 46

C my

35-74 32.0 PBR

798 724 4639
6888 }
will 2049

and

B. Bond 1971 AT 27, 33

6/4/89

856/10

21 04.7 +35 30 of K 6 A-64.3a

20109/20

5.19 +1.19 71.10 K5E Jim ^{MoB} -63.5a

170514636

602 +1.35 71.23 K7E Jim

W13272/30

587 303

A -63.14(13)

Y5077

C224509

5.22-667 +1.89 CW

-65.24(13)

4390430/40

Flis

606-802579+235

-62.34(13)

44387 3182

21.1

-63.04(12)

+96 -53 -7 .280

18.5

B -63.94(13)

5.0746

-62.30(15)

8887

9857

5.2118

3328

-63.04(13)

-550819

6547

-3041

-2.36

+4.120 +3.179 AC

25254

623 783

8135

21 14.9 ÷ 32 23 4p

202027

29774

4.0000

471 + 06 + 01 3 C

(015)

632 180 972 (4) 2.871 (3) 6.5

(44)

6.5

+1.3

U

186

258

392

643 = 25

126

-1.2

U

964

632 = 24

+0.57 - 0.22

1358
1419

+1.2

420 + 36 + 57 + 2 - 19 + 2 + 5 - 3 - 12 - 11

3.5

4558.1024

Page

12.990

9.692

9.204

4.677

0.165

0.106

5.000

0.209

0.176

0.000

50.119

3.500*

0.022*

0.052*

22.000*

32.000*

17.000*

21.000*

100.000*

12.8

-1 W

202627

21 14.9 -32 23

71.8 ± 1.5 YL

FD1060

4.70 + 0.6 1.53 A1E

+12.5 var16Stz
+43

SR5

+0046 -023

+0044 -022

FWAS

2363

Q140

0581 0129

+057

2717

-4072

000 -009

206952 21 41.2 + 70 05
8317

FILE
H17.4 + 48.0

+0243 2094
+02417 +0580 (PAR)

+302
+98
391
290
944
9595
1529
16505
254

R.A.	:	21.700
DEC.	:	70.600
M. R.A.	:	362.000
M. DEC.	:	98.000
ISTANCE	:	3.810
MODULUS	:	58
D. VEL.	:	-38.000
q1 (U)	:	0.757
q2 (U)	:	0.575
q3 (U)	:	0.310
DU	:	698.580
U	:	28.596
q1 (V)	:	-0.092
q2 (V)	:	-0.376
q3 (V)	:	0.922
DV	:	-227.256
V	:	-48.171
q1 (M)	:	-0.647
q2 (M)	:	0.727
q3 (M)	:	0.232
MP	:	-31.029
M	:	-10.610

209100

~~14~~ ~~50.5~~ ~~20~~ ~~20~~

21 595 - 60 00

34404 - 25583

9109 8826 46815
-4130 -4701 -9053

1679 154 18 160 45 43 + 25.2

Slack

685
+ 0.14

$\rho = 1200 \text{ days}$

$$\begin{array}{r}
 -0069 \\
 +0040 \\
 \hline
 -0065 -133
 \end{array}$$

$$\begin{array}{r}
 -002 \\
 +004 \\
 \hline
 0
 \end{array}$$

$$\begin{array}{r}
 -133 \\
 -133 \\
 \hline
 -077
 \end{array}$$

685 338 180 912 (D)

689 334 174

-5.105

43.319

-0.246

0.407

-0.880

-22.513

-703.288

-0.192

0.869

0.456

-20.647

131.172

-0.950

-0.281

0.135

25.200

25

2.000

-133.000

-103.000

-45.200

18.300

10784

15 160

45 40

298 1275

451824

-0014 -137 stamp

-672
-674 -137

-106

-787

By. D

-298

R.A. : 18.250
DEC. : -45.700
PM. R.A. : -106.000
PM. DEC. : -137.000
DISTANCE : 3.000
MODULUS : 40
RAD. VEL. : -29.800

q1 (U) : 0.124
q2 (U) : -0.282
q3 (U) : -0.951
dU : 139.925
U : 33.918

q1 (V) : 0.462
q2 (V) : 0.865
q3 (V) : -0.197
dV : -723.726
V : -22.955

q1 (W) : -0.878
q2 (W) : 0.415
q3 (W) : -0.238
dW : 38.413
W : 8.613

165504

1885 1803 733 16

Ag

772 312 162 870 ①

AD511003

2/7002

384 321

1000 814 407

1/14/95 - 5 - 10 min

164822

15 00.5

+26 19 410 +22 86413

GC24570

6.99 +0.80 +0.47 ROZR

20.3 112

W 10484

OKF 628

FB

S = +03

Y4127

+424 4.3

407

436

+220315-1

710

+541

472 265 5-31

+382 -536

14/14

2.05 +233

14 16

1099 489 309 344

-50 +9 -37 .0565

Curly

+018

AD200 -107

V3-

387116

714117) 9548

5076 715

AS117

340 -100

-100 114

4557

2606

8616 } P32

AS338

4336

$+0284 = 13.0$
 $-596 = 10.6$
 -409
 $+0393$

28659
 1408.2
 $+26$
 19
 10.52
 1906.3

1.157

$27,472$

$28,069$

$27,472$

$27,472$

$27,472$

$27,472$

$27,472$

$27,472$

$28,124$

19.1

26.05

36.57

23.46

23.28

24.3

1.18

25.12

26.22

26.10

$24,124$

1906.3

818

27.3

21.0

1928.44

1.48

23.83

12.74

1923.0

11.4

25.7

19.4

1930.4

22.50

Observer:

Date: / - /

	R.A. :	18.000	
	DEC. :	26.300	
STA	M. R.A. :	435.000	TIME
	M. DEC. :	-600.000	
	ISTANCE :	1.640	
	MODULUS :	21	
	D. VEL. :	22.800 20.00	
	q1 (U) :	0.067	
	q2 (U) :	0.820	
	q3 (U) :	-0.568	
	dU :	%-2208.770	
	U :	-59.960 -61.55	
	q1 (V) :	0.493	
	q2 (V) :	0.468	
	q3 (V) :	0.734	
	dV :	-420.147	
	V :	7.785 9.83	
	q1 (W) :	-0.868	
	q2 (W) :	0.329	
	q3 (W) :	0.373	
	dW :	%-2539.680	
	W :	-45.549 -44.50	

Comments:

2
18.000
~~726.300~~
424.000
-595.000
2.050
26.770
23.300

0.067
0.820
-0.568
-2192.462
-69.593 -57

47.4

0.493
0.468
0.734
-432.087
5.987 +8

+10.2

-0.868
0.329
0.373
-2491.328
-55.351 72

31