

40.0

10

10.5

-57 55

+11.0

Feb.

98643

1.239 970 333

1256981336

051239 970

04 1242 970

9643	-	8484	] 0616
2645	-	5404	

299

0066

5.56

+11.4

-0059 +030 stay

-00555 +0344

-0517

-049 +038.

0616

10.15 0

-51.9

-29

+38

5.5

+11.0

R.A. : 10.150
 DEC. : -51.900
 PM. R.A. : -79.000
 PM. DEC. : 38.000
 DISTANCE : 5.4 5.500
 MODULUS : 1573 128.89
 RAD. VEL. : 11.000

q1 (U) : -0.804
 q2 (U) : 0.571
 q3 (U) : -0.166
 dU : 288.607
 U : +41.8 34.504

q1 (V) : 0.169
 q2 (V) : -0.049
 q3 (V) : -0.984
 dV : -47.852
 V : -78.0 -16.853

q1 (W) : 0.571
 q2 (W) : 0.819
 q3 (W) : 0.058
 dW : 15.687
 W : +3.0 2.607

38

38

90967

10

25.8

-74

54

A5

-1 3 st

-116+9

7.82 +0.80 +0.13 4 BS

-075 +044 CP

+ 13 -6

-062 +038 → GL

-062 +039 →

ML #

Hydro

~~080~~ +030

-062 070

Bole

Hydro

9998

0207

-6606

509~

3165

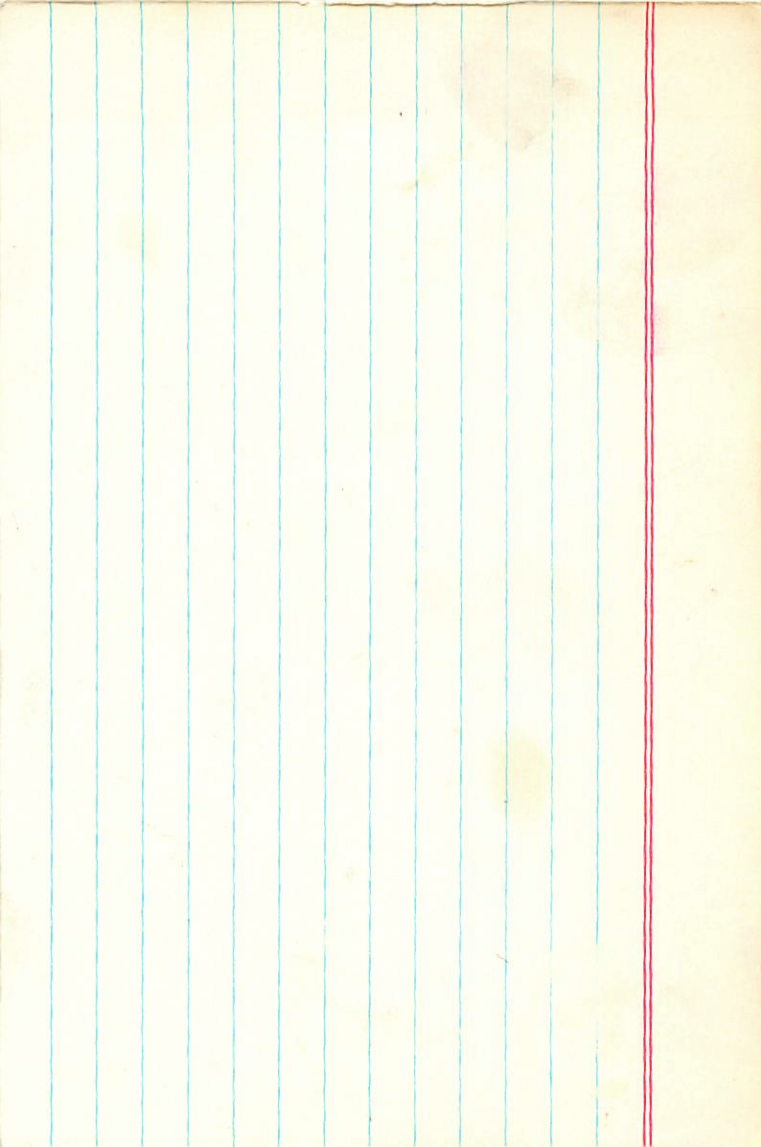
9876

-6926

721312

0727

-1029



27 768

AOS 2871

10 37.1 +9 06

+14.36

92323

0122

26

399

37.11 X10

232 .55 31

213 .55 43 X10

314 .14 3.3 X10

145 .62 1.0 X10

00.9 +002 new

00.645 +003

-096 -002 1+

Agby

perbit met

right

(101 1000)

-103

-101.5 +007

1000000

+000

1000000

1000000

8863 9940 10427
4634 10450 10413

OK

10/17

10/19

-135

0120

4600

Σ M = 1.67

7.6.9 28.45
7.6.85 28.55 / 2.58

354-535 158 587 -096-002 ⁺¹⁴³ 0 +2 -009

034 0 090 0 161 426 +141 -13 +5 0122

0 +40+1

+36-16-6

01

+3 +48+1

+42-19-10

+39-18-8

011

39

92323

14655

6643

14087971

W6643

7.9

 $\Delta m = 0.73$

1841281

8.1

10.1

7.5

10 37.1 +09 06 dF6 414.36

7.48 +0.45 +1.64 2 20" -113 -003 6L

-096 -002 Huh

ill

My

Although $\frac{1}{2}$ the chi
 ap helion being and the
 orbits give values of a^2

5.025 1899.3

-0076 ± 5.3
-0064

-003 ± 3.9
+60

6 13.29 1899.3

-6064

+004

17

385
410

+002

46

5.143

213

360

(35.7)

13.59 1932.4

13.62

38

35.0

5147
220

-76 -1
-64 +3

1348

1936.2

(40.7)

10.600

33.658
31.498

361
180
230

21.05
7.30

+605

1937.6

35.0

3.156
4

2

13.75
7.3

13.52

+606

148

4964
495
13.75
-14 (13.7)

13.75

7.3

13.52

+606

112

4157
9254
14768

10 41.6 +20 01 A3

E +027

4143

011

2.92nd 5
2500

107 196 872
-0081 ±50 -033 ± 77

33.244 106
819
563
-0081 -022 18.80 8.5
-0074 -022 1.37
1467

-0080 -023
-00803 -022

71.25 18.26 8977 9940 1127
-11 4407 -0447 0124
11 4407 -0447 +4.7

1132
-112 -015

33.159 54.19 18.70 0131 442

-11 55

442

20

10.700	R.H.
20.000	DEC
5.000	R.H.
0.000	DEC
0.000	STAKE
0.000	ADULTS
0.000	VER

-0.045	(U)
0.250	(U)
0.380	(U)
0.000	(U)

R.A.	:	10.700
DEC.	:	20.000
R.A.	:	0.000
DEC.	:	0.000
STANCE	:	0.000
MODULUS	:	10
VEL.	:	0.000

q1 (U)	:	-0.845
q2 (U)	:	0.376
q3 (U)	:	0.380
	:	0.000

43 11 (m)

93731

10 44 12.5 -27 23 21

B2037

(248) (881)

-27.7199

645 131 209 907 2837

00 680
+117

050 226 983 +117

GC14887

840

10 44 35.01 -27 29 118

-0475

-046+017

9408

- 9510

3159

3092

0490

0019

-1.7

0057

6.33

35013 10.2

$\frac{154}{172}$

-1040 554 +013 44.7

-1026
-1036

1004 11.77 25
+013

23812

$\frac{11252}{11252}$

-1037 2433

17.18
54.80
12.3 47480
2-

35063

$\frac{696}{114110}$

-1036

+011

+013

(4124)

$\frac{1195}{1134}$
 $\frac{234}{217}$

1.87

10.11

$\frac{1162}{26}$

$\frac{1166}{21}$

21/44

6.557

$\frac{28.517}{28068}$

35073

-110

013

93773

47.4506

6619885

+0.4

6.55

528

376

944

①

$N_V = 10^4 N$ $E = 2005$

9803 -9208 0701
1976 3909 0037
2.25

10 44

30.88

-47

29

88

0074

-0071 +016

140

5104

-00674 +0205

-0683

[066 +024]

10 46 20.3 -47 13 15 6845

(540) (330)

4253 4475 10 51.22 -1 52 5-8 05 +15136

94402 1823 60 = 11.7

9216 - 9906
3882 1369

1053
1055

1053
5.16

10.922-03

263
205

10.821 66.85

1167823 224 MF

842

Endbury

7219 45.40

1058 + 1013

10.989 35.54

1054 + 1011

13
167

5116 1055 10109

1058 + 1013

10.811 69.22

17.02
-4
17.11

1057 ± 30 100 ± 2.5

47.00 96.3
-5.4
47.54

1011
1016
1026

46.58

19
46.77

10.85

-1.4

-81

+15

46.5

+153

RAD. VEL. : 15.388
 MODULUS : 85
 DISTANCE : 4.828
 PM. DEC. : 15.888
 PM. R.A. : -81.888
 DEC. : -1.988
 R.A. : 18.828

U : 33.389
 UB : 382.282
 p3 (U) : 8.179
 p2 (U) : 8.498
 p1 (U) : -8.823

V : -14.288
 VB : -27.488
 p3 (V) : -8.828
 p2 (V) : 8.724
 p1 (V) : 8.284

W : 2.242
 WB : -133.237
 p3 (W) : 8.727
 p2 (W) : 8.482
 p1 (W) : 8.437

R.A. : 10.850
 DEC. : -1.900
 PM. R.A. : -81.000
 PM. DEC. : 15.000
 DISTANCE ^{5.16} 4.650
 MODULUS ^{107.65} 85.11
 RAD. VEL. : 15.300

q1 (U) : -0.853
 q2 (U) : 0.490
 q3 (U) : 0.179
 dU : 362.282
 U ^{5.16} +41.7 33.569

q1 (V) : 0.284
 q2 (V) : 0.724
 q3 (V) : -0.628
 dV : -57.480
 V ^{18.9} -14.508

q1 (W) : 0.437
 q2 (W) : 0.486
 q3 (W) : 0.757
 dW : -133.237
 W ⁴¹ -3.2 0.242

94402

10 51.2

966 +1536

484250

5.48 +0.45 +2.04 424

54402

5.49 +0.45 +0.78 184

-085 +0106

W6754 149754

10.922 1400.3

57 47.00 18963

426x20 300x4

11.205

-00548 +0075

47.54

1167 823 224

10.994

-00558 +0077

47.11 1939.54

12

596

11.205

47.54

47.11 1939.54

1360

54.508

011

11.205

47.54

47.11 1939.54

1360

16.515

-1.94

11.205

47.54

47.11 1939.54

1360

11.023

-1.94

11.205

47.54

47.11 1939.54

1360

11.023

-1.94

11.205

47.54

47.11 1939.54

1360

11.023

-1.94

11.205

47.54

47.11 1939.54

1360

11.023

-1.94

11.205

47.54

47.11 1939.54

1360

11.023

-1.94

11.205

47.54

47.11 1939.54

1360

11.023

-1.94

11.205

47.54

47.11 1939.54

1360

11.023

-1.94

11.205

47.54

47.11 1939.54

1360

$$296.955 \quad 0 \quad 1 \quad -085 + 010 + 15.3 \quad 0 \quad 0 \quad 047$$

$$025 \quad 0 \quad 081 \quad 0 \quad 115 \quad 384 \quad +15.3 - 15 + 4$$

$$-3 + 42 + 5$$

$$+39 - 16 - 3$$

01

009

$$-2 + 47 + 5$$

$$+43 - 19 - 4$$

2/3



10.000
11.000
12.000
13.000
14.000

-0°2387

10 47.7

-0 2

10 52 33.7

-0 32.38

-0158 to 16 *ending*

-237 to 16

453

R
9.50

R-I
0.41

48.04

123

726

10.0 K8 +7.5

Radcl. S.A. 102.61 - .234 +.001

-224 to 9 Blum

29.0 4.25
284 4.15
284 1.63

2243 5203 - 9918 } 2371
6200 2912 1267 } 0141
+37
0254
241

W

10.200

025.0-

000.0

000.0

000.0

000.0

000.0

000.0

025.0-

045.0

051.0

000.0

000.0

000.0

025.0

035.0

007.0-

000.0

000.0

025.0

045.0

051.0

000.0

000.0

A.	:	10.900
EC.	:	-0.550
A.	:	0.000
EC.	:	0.000
NCE	:	0.000
LUS	:	10
EL.	:	0.000

(U)	:	-0.856
(U)	:	0.485
(U)	:	0.179
NP	:	0.000
U	:	0.000

(V)	:	0.292
(V)	:	0.739
(V)	:	-0.607
VP	:	0.000
V	:	0.000

(W)	:	0.427
(W)	:	0.468
(W)	:	0.774
MP	:	0.000
M	:	0.000

43

1052 +273

10 5-2 01 +27 23

6-D125

14-00 -044

14-22 -03

14-11 -037

-150

0.15 2708

1444

9164

-9962

-6131

4003

-0823

-3165

10.55

0170

3.85

255 458 671357 146423 2619

4304 10 58.6 - 81 17 +11.0

-0624 ± 8.0 +067 ± 2.5

95788 24724 943 15.35 96.0

~~15143~~
14115 2076 2422-1924.11 worky

00610 +062- sky
142

6.6-0.4 during rapidly 2420

-0054 +0667

11.0
-813
-14/5
+71
4.15
+11

-1484
[1487-+071]

Sum=00 9484 -9243 1620
-15622 3517 -1095
-2465
0170
345

44

80
DISTANCE :
PM. DEC. : 4.150
PM. R.A. : 71.000
DEC. : -142.000
R.A. : 81.300
11.000

R.A.	:	11.000
DEC.	:	-81.300
PM. R.A.	:	-145.000
PM. DEC.	:	71.000
DISTANCE	:	4.150
	:	68

96105

11 08.0 750 42

F3

+500753

153 742

landmark

17

240

243

206 334

163

360

(2)

1087-014

7.05 0.50 0.01

253

375

1086

5083-015

533.95 29.7
330.5 29.7

4.24

450 26 34.0

CC18246

11

2 53.89

3404 746

W

14 V3

-1035

-104 -013

9516 9497 -9717

0843

10886 622

3064

3131

2446

0034

10040

040 016

-0462

0060

-5013

5.9

-0112 ± 5.0

-0184 6.1

5-3.3 6200.4

-0106
7105

-021 34.04 246
-014 91

667
54.05-4

04.5 8
3378

53.422

54.92

-01 33.47

+3
53415

-01 33.47

53.54

49.22

-1
54

344
-1
34.10

-0107-020

-01086-0.7

R.A.	:	11.000
DEC.	:	50.700
R.A.	:	0.000
DEC.	:	0.000
TANCE	:	0.000
DULUS	:	10
VEL.	:	0.000

1 (U)	:	-0.860
2 (U)	:	0.182
3 (U)	:	0.476
du	:	0.000
U	:	0.000

1 (V)	:	0.307
2 (V)	:	0.930
3 (V)	:	0.201
VP	:	0.000
V	:	0.000

(W)	:	0.407
(W)	:	-0.319
(M)	:	0.856
MP	:	0.000
M	:	0.000

Handwritten signature or mark.

96741

11

050

-50

5-1

63/5 p

-135 + 104

144

9226

-9486

1410

1216

331

0060

118

0154

3.99

9.84

405

203

387

2.57

325

306

324

+825

-86

1108+207 11 08 23 +20 42.5

1-13.2314

-815 -040

9366	4444	8154
3503	0121	0331
	0121	41.7
	9494	

128 8-13
16.9 12

17.80+85

21

17.6

0.707

0.21

LHS 2360

11 083 - 74 21

-570 395

9997 -9411 670 NO
6228 3382 074

98591 11 15.5 - 5 6.20 120

4.3265 6.53 639 476 859
B=4010

+03

6615889 11 17 59.59 -10 1 14.9

m

-1123
-110 4012
9661 1991 1661
7882
1105 11011 0004 42.55
0119
9422

54.545
356

1.3

-0023 ± 5.0

-0015 ± 2.3

00.351

-0076
+0077

+005
+009

14.48
25

00.3

44.317

335

2.15

14.53

44222

15.217

12.22

00.877

14.37
24

101
+4
105

14.61
+15
14.46

110.116

334

0.087

14.44

-0078

+007

+17
164

+11
14.34

-0076

+0078

98697

11 163 +7 11 P5

+702440

112 (269) (229)

6664 341 167 407 (2)

6615604

1005 (257) (488)

2135 (3)

670 335

9539 - 9816

mv 345

326

253

2935

0821

50 mv 11

E

5204

76

5225

+2770

0328

2482

+14

+20

26

11007

+13.4

-02043

-0018

26

11007

+13.4

-02043

+0002

26

11007

+13.4

-02035

+0013

26

11007

+13.4

-0.301 + 0.06

-0194747 -011536

52635-96.5

32.46 94.5

9444

99607AD

11

228

244

7

RD

F2

+4501927 12.7

149 200

751

12.7

688

213

187

117

①

2.7

144

214

302

117

+11

6615726

11.7

684 +031 +004

②

144

④

AGS171

~

-012 < -010

10 253

11.7

11

252-1381

144

240

12.7

-1355

-139-003

1381

1116

-361

9650 -9445

2622 -1045

0300

0150

415

-0122#52 100853.0

13.855

2.5

-0133

-010

2403 54.2

-0131

-0110

28. $\frac{-17}{96}$

$\frac{580}{935}$

9/3

(7427)

12.968

28.23
 $\frac{-17}{2806}$

$\frac{+15}{993}$

(5824)

13.187

28.42

-0130 -0110

$\frac{+15}{202}$

$\frac{-17}{28.25}$

-01312 -0073

11.11
44-828
0.000
0.000
0.000

DEC
DEC
DEC

R.A.	:	11.400
DEC.	:	44.850
R.A.	:	0.000
DEC.	:	0.000
	:	0.000

72.1143
 155501
 6.54 0.702 570381 (3)

11 33.6 -72 34 +2.550.6 52(4)

6.54 +1.18 NI II Cape

155046V

9961 - 9764
 -0422 2434
 -1537
 0642
 -1537
 1537 + 0940
 2477

NI II
 NI III

-325+5
 68 Glucose
 + Capillary

-14855 4022 47

4030

+20 -3 -2 -030 1591
 0054
 -1.55
 -159 0166
 390

40.74 1530.64

33.125
 4.215
 37.340
 580
 670

12.52
 58.26
 58.11
 58.37
 -24
 58.63

34.

115 - 983 - 954 259 - 148 + 222 - 2.5 - 0.21 - 2.031

017 002 147024 - 019 706 + 0.7 - 1 0

32 434
320
814
4975

$$\begin{array}{r} -0.221553 \\ +0.222723 \\ \hline 0.30 \end{array}$$

$$\boxed{+20 - 43 - 2}$$

$$\begin{array}{r} -0.337 \\ +0.34 \\ \hline 0.003 \end{array}$$

$$\begin{array}{r} -2 + 35 \\ \hline 0 \end{array}$$

020

$$\boxed{30.64}$$

$$\boxed{+31 - 17 - 4}$$

$$\begin{array}{r} -0.335 + 0.36 \\ -0.3426 + 0.345 \\ \hline 0.0224 \end{array}$$

$$\begin{array}{r} 17.526 \\ -11.37 \\ \hline 6.156 \end{array}$$

424

54.25

$$\begin{array}{r} 37390 \\ +1144 \\ \hline 38534 \\ +5318 \\ \hline 43852 \\ +6969 \\ \hline 50821 \end{array}$$

$$\begin{array}{r} 5710 \\ -120 \\ \hline 5590 \end{array}$$

$$\begin{array}{r} 3694 \\ +449 \\ \hline 4143 \end{array}$$

$$\begin{array}{r} 5722 \\ -144 \\ \hline 5578 \end{array}$$

101397 11 350 +24 16 688 H3

~~1241238~~
2376 (46)
6.89 182 135 848 2.551 1544a
(193) (812)

6611016

11 87 83.12 +23 59 7.0

12 WWT

6-1156 9660

~~20640004~~

~~20640004~~

~~1997~~

9720 026

2348

9888 0640

01995 0007

-0.5

0064
5.52

CD 46 ± 6.3 CD 8 ± 5.4

83.120
234
314

98.7

-0050

-004

205
15
220

94.6

58.80

~~83.189~~
33.037
+115
058

9.114
1.5
6.94

33.44

82.4
167

-0048 -0035
-0048 -0034
-0023

649
23
6.44

$108-454-737676-080+017-1.0-013+1$ 052
 $009\ 001\ 080013-019\ 3\overline{74}-7-1\ 0$ 005

$$\begin{array}{r}
 -3+45+5 \\
 \boxed{+44-17-2} \\
 -3+43+7
 \end{array}$$

009

$$\begin{array}{r}
 \boxed{+41-15-2} \\
 \hline
 +44-17-2
 \end{array}$$

FM

R.A.	:	11.600
DEC.	:	-47.450
R.A.	:	0.000
DEC.	:	0.000
ANCE	:	0.000
ULUS	:	10
VEL.	:	0.000

(U)	:	-0.875
(U)	:	0.345
(U)	:	-0.340
UP	:	0.000
U	:	0.000

(V)	:	0.396
(V)	:	0.108
(V)	:	-0.912
(V)	:	0.000
VP	:	0.000
V	:	0.000

(W)	:	0.278
(W)	:	0.932
(W)	:	0.231
(W)	:	0.000
WP	:	0.000
W	:	

MA

-46 +10

864h

11 35.6 409 10 1008

-0045
-0041 46.7 +013 ± 5.9

35.209 16.7
384

88.89 13.1

-41.6

88.23

0730

(40.7)

35.169

-18

88.14

2091

0749

18

88.05

28.71

+0032

1050
10200

-0049 5004

42.1 496.7

0730

4668

1004 5004

2220 0809

444

444

-0703

-2.55

-0649 +013

0.0058

+10.1

5.55



$4978 \quad 1206 \quad 924 \quad 272 \quad M5 \quad -0041 \pm 6.7$
 $+013 \pm 5.9$
 $101112 \quad 11 \quad 35.6 \quad +09 \quad 10 \quad 6.6 \quad 14.1 \quad +11.16$
 $6.16 + 10.8 + 9.6$

$15961 \quad 6018 \quad 6022 \quad 485 \quad 441 \quad 365$
 $7067 \quad 35.209 \quad 1916.7 \quad +9 \quad 9 \quad 38.89 \quad 1913.1 \quad 40000$
 4111 ± 0.4

$11124 \quad 35.283 \quad 178 \quad 387$
 $19 \quad 35.283 \quad -61$
 $38.27 \quad 1933.4$
 12.97

$14.7 \quad 14.7 \quad 14.7$
 $17.945 \quad 2.87$
 $12.432 \quad -100$
 $35.277 \quad 18.3$

$17.945 \quad 56.15$
 $12.432 \quad -17.98$
 $35.277 \quad 38.17$
 $12.432 \quad 47$
 $35.277 \quad 19$
 $12.432 \quad 18.3$

$12.432 \quad 17.98$
 $35.277 \quad 38.17$
 $12.432 \quad 47$
 $35.277 \quad 19$
 $12.432 \quad 18.3$

$12.432 \quad 17.98$
 $35.277 \quad 38.17$
 $12.432 \quad 47$
 $35.277 \quad 19$
 $12.432 \quad 18.3$

6.15 602-455-444

(689) (312)

380

390
~~380~~

(014)

2657 = X

85

R.A.	:	11.600
DEC.	:	9.150
1. R.A.	:	0.000
1. DEC.	:	0.000
STANCE	:	0.000
MODULUS	:	10
VEL.	:	0.000

q1 (U)	:	-0.875
q2 (U)	:	0.473
q3 (U)	:	0.101
du	:	0.000
U	:	0.000

q1 (V)	:	0.396
q2 (V)	:	0.821
q3 (V)	:	-0.412
dV	:	0.000
V	:	0.000

q1 (W)	:	0.278
q2 (W)	:	0.320
q3 (W)	:	0.906
dW	:	0.000
W	:	0.000

UG

161954 11 41.14 11 24 28 658 603

2030042

658 357
OK 158 85.7
L24 421 6.51

660917-9

✓ 852208
1000
101+
6289
472

FEATHER

3413

9881 1801 5222-
1285- 846

9504222

26766 940

1.086

27.852

11.989

15.200

27187

657

9

239

79

248

-0213 ± 8.7

-0209

27.16

-0211 +0385

-02098 +0412

+040 ± 7.5

+037

13.82 927

-2.09

15.91

55.84

-14.25

1509

15.15

+38

14.80

499.25
19970

0.0

56

25.200
300.80

1.68
16.8
80

R.A. : 11.760
 DEC. : -29.450
 PM. R.A. : 0.000
 PM. DEC. : 0.000
 DISTANCE : 0.000
 MODULUS : 10
 AD. VELL. : 0.000

d1 (U) : -0.875
 d2 (U) : 0.455
 d3 (U) : -0.235
 d4 : 0.000
 U : 0.000

d1 (V) : 0.415
 d2 (V) : 0.355
 d3 (V) : -0.855
 d4 : 0.000
 V : 0.000

d1 (W) : 0.525
 d2 (W) : 0.815
 d3 (W) : 0.715
 d4 : 0.000
 W : 0.000

NC
 H

R.A.	:	11.700
DEC.	:	-29.450
PM. R.A.	:	0.000
PM. DEC.	:	0.000
DISTANCE	:	0.000
MODULUS	:	10
AD. VEL.	:	0.000

q1 (U)	:	-0.875
q2 (U)	:	0.422
q3 (U)	:	-0.236
dU	:	0.000
U	:	0.000

q1 (V)	:	0.410
q2 (V)	:	0.389
q3 (V)	:	-0.825
dV	:	0.000
V	:	0.000

q1 (W)	:	0.256
q2 (W)	:	0.819
q3 (W)	:	0.514
dW	:	0.000
W	:	0.000

49

1022320 11 43.2 5.28 24 14.946 44.96 1955.89

16133

7121

4519

330-0460964362-079

14.971 1909.3

212 183

15.063

15.063

652

0026

15.013

170

14.984

4519

44

-0052±49
-0046
-0045

-0039

43.2

5.28

-0.13

24

14.946

44.96

1955.89

14.971

1909.3

212

183

15.063

15.063

652

-001±3.2
-002
25-004

-003

24

14.946

44.96

1955.89

14.971

1909.3

212

183

15.063

15.063

652

0026

15.013

170

1022320 11 43.2 5.28 24 14.946 44.96 1955.89

16133

7121

4519

330-0460964362-079

14.971 1909.3

212 183

15.063

15.063

652

0026

15.013

170

14.984

4519

44

56

007.11

008.22-

009.33-

1.0

R.A. : 11.700
-45.400
000

102988

11 468

+12 22
+12 22

F2
68

+102988

205 517

451 137
+12 22

463

+12 234

228 228

254

229 11

(232)

(430)

6C16232

11 48

5104

+12 04

594

2290
0092
+1.8

9844 -9968

1757

60045009

-0.221

0242-
3.07

$$\begin{array}{r} 51.041 \\ 730 \\ \hline 771 \end{array}$$

8.3

$$\begin{array}{r} -0.12528.0 \\ -0.153 \\ \hline -0.152 \end{array}$$

$$\begin{array}{r} -0.158 \\ +0.03 \\ \hline +0.046 \end{array}$$

$$\begin{array}{r} 1200.27.1 \\ +0.07 \\ +0.02 \\ \hline 1200.361 \end{array}$$

$$54.41 \quad 6.4$$

$$50.461$$

$$+1.7 \\ \hline 978$$

$$60.23$$

$$\begin{array}{r} 54.41 \\ -2.1 \\ \hline 52.31 \end{array}$$

$$51.024$$

$$+1.3 \\ \hline 287$$

$$40.2$$

$$\begin{array}{r} 54.84 \\ -1.1 \\ \hline 47 \end{array}$$

5

909 88 1e act 20 64 11
11 45 24 120 31

good
date -

A.	:	11.750
C.	:	20.500
A.	:	0.000
C.	:	0.000
ICE	:	0.000
US	:	10
EL.	:	0.000

(U)	:	-0.875
(U)	:	0.456
(U)	:	0.160
du	:	0.000
U	:	0.000

(V)	:	0.417
(V)	:	0.880
(V)	:	-0.227
dp	:	0.000
V	:	0.000

1 (W)	:	0.000
-------	---	-------

932nd

102509 16123

11 48.4 +20 30

Sp 11 0.5

784?

932nd + 852

-70.2

prim MS

71K

71.5

blow by

4.55 +55 +20

(net)

32

-150

(FIC)

9033

4527

-01059

5.1

6.6

5.50

-198.8-103.3

1252

9983

9975

-10587-208

5.1 6.95

5.5 +0.15

293 370

or

(268 326)

9804

-9988

8.46 365

158 395

1972

0481

C

93 Leo = JQ Leo

$P = 71.64$

0.24 V 1.7 6 m_v
 4.50 0.350 4.85 $+1.55$
 1620.36 $A 5.38$ $1 - 0.1$ 5.18 $+1.4$
 $B 5.34$ 0.5 5.84 $+1.35$

Sp. Orbit Batten, A.H., Foster, W.A., Flitaker, S.M. and Hill, G. 1983 PASP 95, 765

Light Variable JQ Leo 0.03

$\pi(A) = 20.014$
 $(\text{cut } 20)$

Quinn Comp. $G5 \text{ V}$ $+0.5$ m_v 74 " seg.

	B-V	B		B-V	B
A 5.4	$+0.3$	$+1.5$	4.55	5.10	5.10
B 5.25	$+0.8$	$+1.5$	5.3	$+0.1$	4.80
			5.25	$+0.6$	4.86
			5.25	$+0.8$	5.00

Ant 2828

3rd Aug 12 - 2467

2467

800.0

801.0

802.0

803.0

804.0

805.0

806.0

807.0

808.0

809.0

810.0

811.0

812.0

813.0

814.0

815.0

816.0

817.0

818.0

819.0

820.0

821.0

822.0

823.0

824.0

825.0

1. 4. 2

1. 4. 3

1. 4. 4

1. 4. 5

1. 4. 6

1. 4. 7

1. 4. 8

1. 4. 9

1. 4. 10

1. 4. 11

1. 4. 12

1. 4. 13

1. 4. 14

1. 4. 15

1. 4. 16

1. 4. 17

1. 4. 18

1. 4. 19

1. 4. 20

1. 4. 21

1. 4. 22

1. 4. 23

1. 4. 24

1. 4. 25

1. 4. 26

1. 4. 27

R.A.	:	10.600
DEC.	:	9.100
M. R.A.	:	0.000
M. DEC.	:	0.000
ISTANCE	:	0.000
MODULUS	:	10
D. VEL.	:	0.000

q1 (U)	:	-0.839
q2 (U)	:	0.438
q3 (U)	:	0.324
du	:	0.000
u	:	0.000

q1 (V)	:	0.244
q2 (V)	:	0.833
q3 (V)	:	-0.496
dv	:	0.000
v	:	0.000

q1 (W)	:	0.487
q2 (W)	:	0.337
q3 (W)	:	0.806
dw	:	0.000
w	:	0.000

39

$$\begin{array}{r} 5.025 \\ 385 \\ \hline 410 \end{array}$$

$$\begin{array}{r} 5.193 \\ 20 \\ \hline 213 \end{array}$$

$$57167$$

$$\begin{array}{r} 1190 \\ \hline 220 \end{array}$$

$$\begin{array}{r} 33.658 \\ 31.498 \\ \hline 5.156 \\ -4 \\ \hline 5.152 \\ -4 \\ \hline 148 \end{array}$$

$$\begin{array}{r} 361 \\ 180 \\ \hline 230 \end{array}$$

$$\begin{array}{r} 4966 \\ 419 \\ \hline 985 \end{array}$$

$$\begin{array}{r} -0076 \pm 5.3 \\ -0064 \\ \hline +9 \end{array}$$

$$-6064$$

$$+002$$

$$\begin{array}{r} 35.7 \\ \hline \begin{array}{r} -76 -1 \\ -64 +3 \end{array} \end{array}$$

$$\begin{array}{r} 21.05 \\ -7.30 \\ \hline 13.75 \\ -13.75 \\ \hline 0 \end{array}$$

$$\begin{array}{r} -003 \pm 3.9 \\ +60 \end{array}$$

$$6 \quad 13.29 \quad 1894.3$$

$$\begin{array}{r} +004 \\ 17 \\ \hline 46 \end{array}$$

$$13.59 \quad 1932.4$$

$$\begin{array}{r} 3 \\ 13.62 \end{array}$$

$$13.68$$

$$\begin{array}{r} 13.65 \\ \hline +19 \end{array}$$

$$\begin{array}{r} +005 \\ 13.52 \\ \hline +06 \end{array}$$

$$1936.2$$

$$1937.40$$

$$\begin{array}{r} 38 \\ 35.0 \\ \hline 40.7 \end{array}$$

$$\begin{array}{r} 00 \\ 35.0 \end{array}$$