

8164
16400
2
35.2⁺⁰⁰²⁴ -03 37 5.8 g 65 +7.78

1483
3158
5.64 +1.02 +87 ✓

10.507 1894.4 -3 36 41.57 1894.9

771
-150
357
+00235-0415
+2.09
3548
10.540 42.28
65.52

54.926
15.468
10.394
021
10.415
418
527
42.47

+0352
+037-045
73.09
32.30
1933.90

40.79
-88
41.67
+35
41.32

42.1
41.73
+31
41.35
1939.04

36.5
41.6

10.462
-1
461
+083

1152003 220 MP
1174967 218
41.34
-1.86

309 2 2
 1 1 2 2 1
 1 0 4 0 0
 0 4 1 0
 0 4 0 0

012 42
 225 222
 0 0 0 0
 0 4 2 0
 1 0 2 0 0

4 0 0 0
 0 0 0 0
 0 5 2 0
 0 5 2 0
 0 5 0 0

2 700

20
 15
 10
 5
 0

4 0 0 0
 4 0 0 0
 4 0 0 0
 4 0 0 0
 4 0 0 0

775 1.177
16467

2 36.8 +3 14
+0024±4.7 5007±4.5
0.531966 +0015 34.67±2.5
1576
376

+2.4

+2446 88M (H)

674494 6846 4005 39.27

40016+4001
485
34.81
+0020 +009
+00185 0

2.6 1001 1001
+325 1024 1001

0.531966 40.28
0.515 50.55
5
524

0277
0729 +0006

+24
+6
5.5
+2.4
5.5
+2.4
+2.4

R.A. : 2.600
DEC. : 3.250
. R.A. : 24.000
. DEC. : 1.000
STANCE : 5.590
MODULUS : 131
VEL. : 2.400

q1 (U) : 0.636
q2 (U) : 0.449
q3 (U) : 0.628
dU : 74.374
U : 11.266

q1 (V) : -0.660
q2 (V) : 0.738
q3 (V) : 0.142
dV : -71.471
V : -9.039

q1 (W) : 0.400
q2 (W) : 0.504
q3 (W) : -0.765
dW : 47.776
W : 4.432

may

2 32.7 -79 20 68 ~~11~~ -145a

16522

5.28 + 0.98 + 0.70 ②

704599 -0434 Fin

4.81 70.355 ③

20

+1277

4.0

+131-047

708

4.6 < 9

1169

1165

950160 mF

1112

2.550

-79.330

708.000

-47.000

4.000

63.00

-14.500

4.55

81.25

4.55

0.644

0.672

-0.365

250.349

21.094

+25.6

-0.659

0.244

-0.712

-463.680

-18.937

-27.3

0.389

-0.699

-0.600

397.539

33.783

+41.0

165
275
350

kyne

Klygi

715

1528

2

226

-73

53

120 IV

1072 2568

2- 832

+5- 23

784

1-124

W₈ D

-0213 -0210

-0189 -0175

-0318

-0194 -0180

$\boxed{0303 - 0245}$

-0240

$\boxed{-0275 - 0215}$

$\textcircled{4.87}$

842 440

908

0.50

\textcircled{B} hu

$V = 908$
 $B-V = 91.56$

484

535

305

472

~~255~~
~~0.244~~

487

536

495

365

$\lambda = 1.47$

$E(0-1) = 0.27$

0390

-7883

988

+0004

-6153

988

+0.20

9403

0103

$M_V = +0.96$

8.2 0.81

R.A. : 2.550
DEC. : 5.400
. R.A. : -26.300
. DEC. : -24.800
STANCE : 3.610
ODULUS : 53
. VEL. : 6.000

q1 (U) : 0.644
q2 (U) : 0.426
q3 (U) : 0.636
dU : -129.946
U : -3.036

q1 (V) : -0.659
q2 (V) : 0.731
q3 (V) : 0.178
dV : -4.192
V : 0.845

q1 (W) : 0.389
q2 (W) : 0.533
q3 (W) : -0.751
dW : -110.987
W : -10.358

16538 2 36.2 -30 24 of Feb

140777

663170

5.82 + 48(-04) ✓

809 153 489 2456

525 (48)

1312 176 410 2599 5,713-

[m] 220. +7

304

414

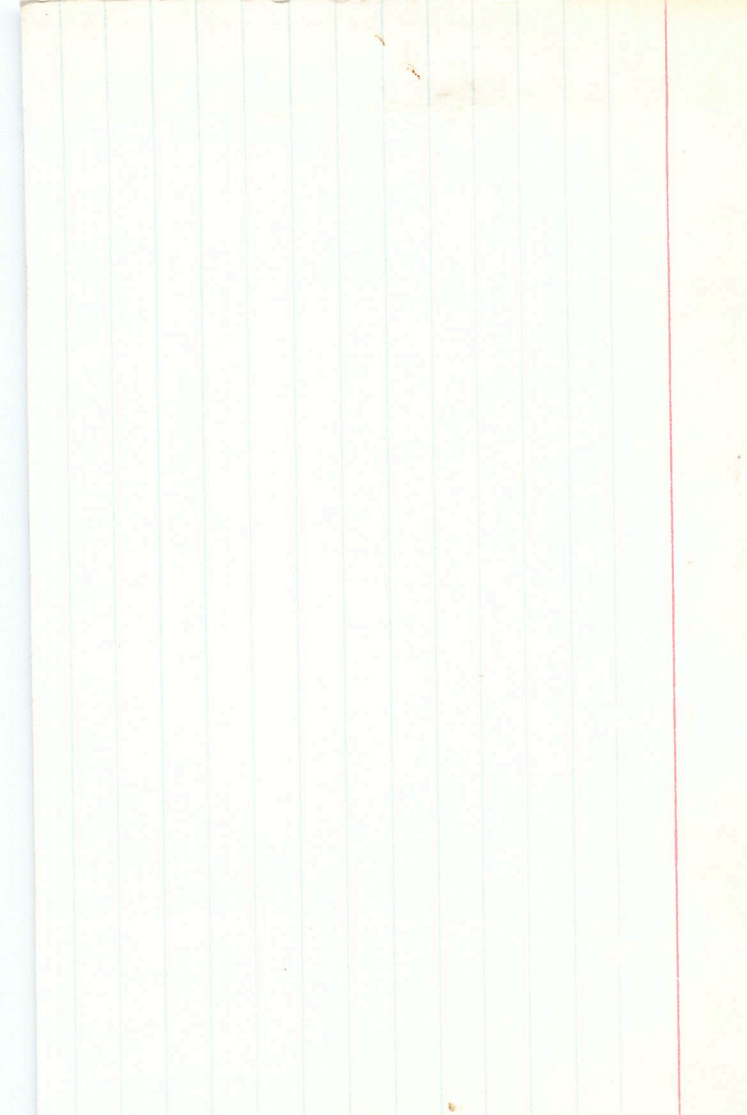
→ 580 + 304 + 1166 + 414 + 2456 =

10000
+ 309 173 417 2437

[C] 384 -8

1.70 +9.3 -20.6 -22.2

+61 -561 -197



2160 6015
550 2 36.4 -85 12 6-87 d55
76589

648 +52 (104)6 Sp 1 3.166 d
+42.57 h/m

456 2.144
266 455

+0093 -058 stay
+0094 -057

(3.0)
145 +1108
[+114 -060]

775-

16467

8m 2.0

2

36.0

+3

14

04

11

+2.45

6.21 11.00 10.78 C

Cc

2.600

-38.200

145.000

-60.000

3.000

40 39.87

42.600

0.636

0.752

0.174

129.747

12.557

13.0

-0.660

0.647

-0.382

-540.430

-37.799

347

0.400

-0.129

-0.908

252.412

-28.616

277

16.586

25.1044

02 36

-25 35

472

4018-024

0 + 14

1007

300-0204

423

18

551

R.A. : 2.600
DEC. : -25.600
R.A. : 22.000
DEC. : -8.000
TANCE : 5.510
DULUS : 126
VEL. : 17.000

q1 (U) : 0.636
q2 (U) : 0.696
q3 (U) : 0.333
dU : 33.433
U : 9.895

q1 (V) : -0.660
q2 (V) : 0.714
q3 (V) : -0.232
dV : -89.168
V : -15.221

q1 (W) : 0.400
q2 (W) : 0.072
q3 (W) : -0.914
dW : 34.832
W : -11.130

6.5m

094
16815

1.6815
1.6815
1.6815

2 38.7

-40 04

120 TII

4.10 +1.02 +0.76 C

358 +0.405 4J

2E

317

202

F154²⁰² 030Y(10)

+0.01167 -0.0249

-9.3a

180

1339

131

31

25

1.144 867 140 MF

794.000*

2.000*

38.700*

-40.000*

-4.000*

0.137*

-0.028*

2.500*

31.623

-9.300

0.307

0.155

8.280 626

-0.513

-0.409

-12.413

0.286

-0.899

17.411

36

5248

2.6

33

114.7

+9

231

-13

+237

+18

213

229

805
16975

2 40.1 -38 36 C-5 +17.0

2 sk

3.48 +0.42 (12.00) C

CC

+0007 +010 stay
+0008 +011

245

-35.6

+010

$\frac{+013 +008}{+010}$

+17

+8

58

17.0

1.150 787 174 mF

2.650

-38.600

17.000

8.000

5.000

144.54

17.000

0.628

0.758

0.175

68.318

12.844 10.6

-0.661

0.639

-0.394

-17.430

-9.209 -8.6

0.410

-0.122

-0.903

20.824

-12.334 -11.7

1434

1721

663288

131423

2059 15005

7.25432

54

40336-072

850-00504

290-3534

0351-063

92914

$\overline{+169-006}$

27

971C-

Q397

5

25

1746

7

43.2

7272

5-7-19

27 41.0 -21 40

282 107: (43) 2nd

$$+0.360 \pm 8.7 - 0.73 \pm 7.5$$

26.24 1896.3

0328-056 caplg

6326-063-960

9.4.8.6

216

By 0 11 0-41

058

244 10.51

21A 0.52

5

 $\Delta m \sim 0.2$

205-584

1683-72

pm 2.2

143131

1933-47 30

3942-40

44134

40360 + 87 - 073 + 21

0.059 008

26.74 915

345 - 055
328 ^{eye} 84 17315
2.700
-71.700
522.000
-55.000
4.000
63
43.000

14

2 41.02
-71 40
+2
0.620
0.738
-0.265
289.310
6.854

-0.662
0.312
-0.681
-595.953
-66.890

88

0.420
-0.598
-0.682
482.371
-6
1.089

2.700

537.000

537.000

-66.000

2.700

35

43.000

0220
329

0.620

0.739

-0.265

265.646

-2.167

+0.7

-0.662

0.312

-0.681

-628.267

-51.063

5280

0.420

-0.598

-0.683

523.493

-11.214

529

525

17215

2 410

-721

40

2.76 72

655

603285

2055 008

2055 008

2055 008

-1.7778

2055 008

2055 008

21150

1.780

47.4

22

2550

-84

-113

65

B1923

747

2633

03218 -065

10312 -066

55.88

1.969

26.71

1514

2.7

1420

14

1555 -068

-2166

1420

1435

1555 -068

2.50

463

-68

444.6

0208

3.41

48.14

2.700

-71.660

493.000

-68.000

2.500

31.62

44.600

0.620

0.739

-0.265

217.948

-4.909

-1.6

~~4.46~~
-1.3

-0.662

0.312

-0.681

-587.756

-58.7

-48.955

-8.74

0.420

-0.598

-0.683

501.581

-63

-14.596

-6.9

+47.0

140.7215 2 41.0 -71 40 7.76 +0.72 1.80 6.54

136.3285

$$\begin{array}{r} 2.059 \\ 1.771 \\ \hline 3.830 \end{array}$$

$$+0360 \pm 8.7 -073 \pm 7.5$$

$$+0308$$

$$+0324$$

$$0328$$

$$+0331 -068$$

$$+0343 -068$$

$$\begin{array}{r} 1.780 \\ -40 \\ \hline 1.740 \\ \hline 1.452 \end{array}$$

$$25.90 \quad 1487.4$$

$$-45$$

$$26.35$$

R.A. : 2.700
DEC. : -71.650
. R.A. : 530.000
. DEC. : -61.000
STANCE : 3.750
MODULUS : 56
. VEL. : 44.600

0223
305

q1 (U) : 0.620
q2 (U) : 0.739
q3 (U) : -0.264
dU : 276.919
U : 3.777

10.6

q1 (V) : -0.662
q2 (V) : 0.312
q3 (V) : -0.681
dV : -614.260
V : -64.908

57.9

q1 (W) : 0.420
q2 (W) : -0.597
q3 (W) : -0.683
dW : 505.085

7.8

17326

242.6

-66.56

df7

AP823

$\Delta m = 00$

6.25 + 53 - 01 C

103

GL3313

7.0

1246

[m]

232 + 15

345

-50 724

73.50

[C]

355 + 55

3.65

+0143 - 0640

1030.00

+70

+01880 - 0614

16.5
3.35

31.51

+1105
-109
+109-065

-20.44

$$P = 28.5$$

$$T = 1468.2$$

$$E = 0.84$$

$$a = 0.274$$

195054	2120	0.48	24
60051	2162	0.131	54
61542	2113	0.919	34
64046	2140	0.408	54
65044	2144	0.483	44
66062	2155	0.184	24
67112	2144	0.209	24
68544	2162	0.236	24
$ \begin{array}{r} 282 \\ 342 \\ \hline 624 \\ 568 \\ 838 \\ 444 \\ \hline 115968 \end{array} $			

823.000*

2.000*

42.600*

-65.000*

-55.000*

3.109*

-3.065*

3.650*

53.703

-23.400

3.086

-3.202

3.723

-3.455

-3.654

-11.106

3.384

-3.729

35.501

(823)

17326

2 42.6 -66 55 126 -2046

HR823

1556

6.3

+107 -067 G-

3343

+0192 -061 N30

+0194 ± 3.8 -067 ± 2.9 CC lon t N20

0.5

Am 20

0193 -064

+01875 -0595 FRY

7

14

5

+1103

+114 -063

(8.4)

17326.000*

4347
+8.8
7.0

2.000*
42.600*
-66.000*
-55.000*
0.114*
-0.063*
5.400*
120.226 96.57
-20.400

3.7
54.9
+31.0

0.107
-0.202

+8.0 +10

17.041 +9.2

-0.467
-0.653

+3.3 -12

-42.859 -8.5

0.389
-0.730

+25.7

+36

61.631 +33.1

651759 -520352 +107-067-20.4 062-+19-123
-070-040 081047 -554 194-8.0-6-5

-22 +1 +15
+6 0 +24
035

525.01

2 4316

~66 38

-20

17326

447.142

823

352

146

427

2.618

3812

136

0.018

1145 887 04-11

1143 837

-11

SB

1141 833

2 444

-63 55

120

-112

833

17504

+0020 -24

+0018 -014

+0025 -012

123

+0016
+0020 -015

23,127
23,004

19089
50.05

+0007
+0008
+0025

49.85
49.54

16055
0227

+0027 -013
+0034 -017

+0017

73

CL

-030
-006
-019
-007 3.7
+31

23142
-32
158

50.28
50.30 46.1

50.15
-6.5

50.15

23090
004

23,026

23.115
+0020
015

49.79
+04
49.71

49.79
+04
49.71

1589.16

275
-63.9
89
-14
4.0
-11.0

23.115
+0020
015

23,026

50.15
-6.5

49.79
+04
49.71

1589.16

275
-63.9
89
-14
4.0
-11.0

2.750
-63.900
59.000
-14.000
4.000
63.10
-11.000

0.612
0.775
-0.159
23.886
3.255

4.2

-0.663
0.394
-0.636
-107.747
0.201

4.3

0.430
-0.495
-0.755
85.795
13.717

17.3

17828

2 45.7

+180 ⁻²⁸ 32

+47.1

+1032 ± 1.9 -035 ± 1.7

47.0

7859

43.589

5.8

2.6

35.754.4

141

2.9

1.60

2.75

43.615

3.5.65

32

57.35

(15.5)

17859

+18.1

11

2.3

10030 -0033

0 -0030

446

604

35.42

10030 -0033

0 -0030

24

5.0

64.78

35.66

0 -0030

447

43.623

35.66

64.28

0 -0030

1264

1019

241

(MF)

63

34.6

36.11

044-034

1263

953

255

63

43.557

34.6

36.11

044-034

1263

1012

289

63

+2

556

36.14

044-034

1247

1006

239

63

556

36.14

36.14

044-034

2.750
18.100
46.000
-34.000
5.000
100
47.000

0.612
0.265
0.745
84.101
43.429
-0.663
0.685
0.301
-247.882
-10.631

0.430
0.679
-0.595
-20.170
-29.987

40.2

5.52

0.89

36.6

45.1

(240)

+22

848

2 48.2

528

324

510.7

0.11

120

$m_v = 10.7$

17793

5.51 10.50 (2.00) L

GL

10043 +027

10040 +020

10038 +015

10040 +025

20

13454

206

248

13406

394

55.40

13454

210

444

13.523

55.06

1400

0

59.61 1.6

-11.6

0.77

+0040 +023

+00412 +023

0.07

+0.6

0.01

59.90

-0.07

59.97

+0.80

1053 +020

9141

4056

8994

4761

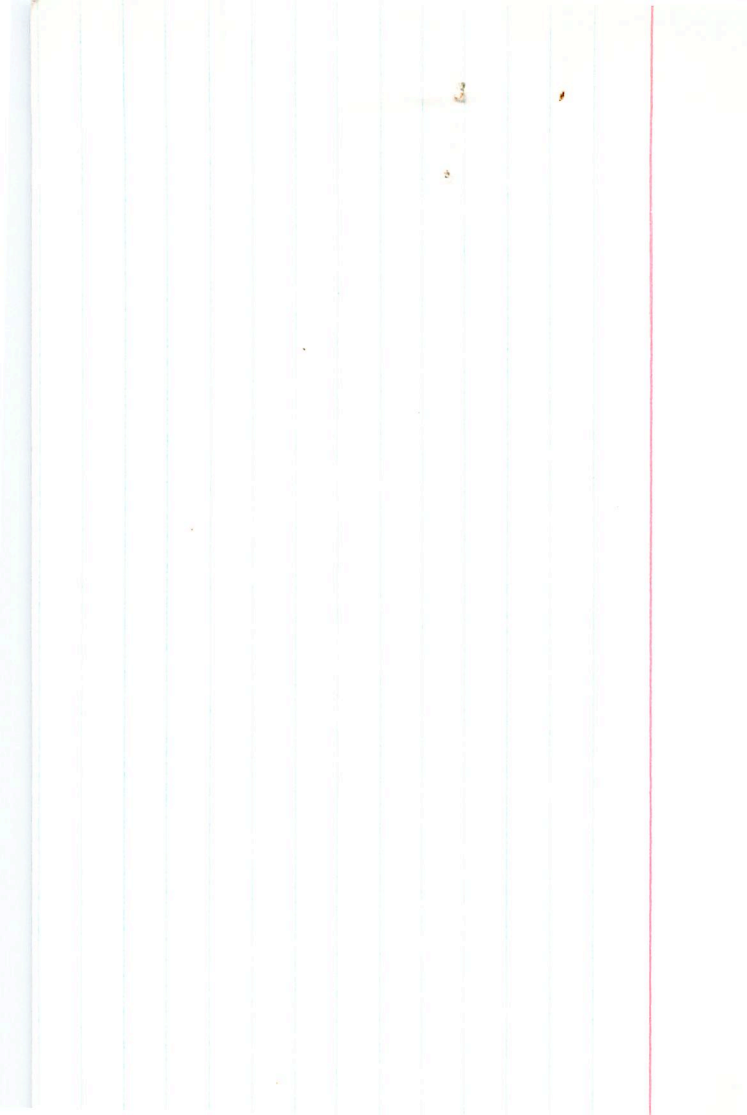
0561

-0096

-8165

NO 6064

5.57



R.A. :	2.800	R.A. :	2.80
DEC. :	-36.050	DEC. :	-36.05
P.M. R.A. :	64.000	P.M. R.A. :	66.00
P.M. DEC. :	17.000	P.M. DEC. :	20.00
DISTANCE :	141	DISTANCE :	5.75
MODULUS :	141	MODULUS :	141.25
D. VEL. :	21.600	AD. VEL. :	21.60
q1 (U) :	0.604	q1 (U) :	0.60
q2 (U) :	0.764	q2 (U) :	0.76
q3 (U) :	0.228	q3 (U) :	0.22
du :	209.640	du :	225.13
u :	34.534	u :	36.72
q1 (V) :	-0.664	q1 (V) :	-0.66
q2 (V) :	0.640	q2 (V) :	0.64
q3 (V) :	-0.386	q3 (V) :	-0.38
dv :	-111.364	dv :	-107.35
v :	-24.063	v :	-23.45
q1 (W) :	0.441	q1 (W) :	0.42
q2 (W) :	-0.082	q2 (W) :	-0.08
q3 (W) :	-0.894	q3 (W) :	-0.89
dw :	101.481	dw :	103.65
w :	-4.976	w :	-4.65

$$\begin{array}{r}
 17829 \\
 +11 \\
 \hline
 17840
 \end{array}
 \quad
 \begin{array}{r}
 48.7 \\
 -0.004 \\
 \hline
 48.696
 \end{array}
 \quad
 \begin{array}{r}
 -35 \\
 -0.58 \\
 \hline
 -35.58
 \end{array}
 \quad
 \begin{array}{r}
 53 \\
 -0.56 \\
 \hline
 52.44
 \end{array}
 \quad
 \begin{array}{r}
 5.5 \\
 +11.72 \\
 \hline
 17.22
 \end{array}$$

$$1602 \quad (851) \quad 5.47 + 1.25 (2.34) 6$$

$$\begin{array}{r}
 3426 \\
 -009 \\
 \hline
 3417
 \end{array}
 \quad
 \begin{array}{r}
 39.133 \\
 -124 \\
 \hline
 38.999
 \end{array}
 \quad
 \begin{array}{r}
 1906.7 \\
 -35 \\
 \hline
 1871.7
 \end{array}
 \quad
 \begin{array}{r}
 52 \\
 +2.73 \\
 \hline
 54.73
 \end{array}
 \quad
 \begin{array}{r}
 50.74 \\
 +2.73 \\
 \hline
 53.47
 \end{array}
 \quad
 1902.9$$

$$\begin{array}{r}
 39.114 \\
 -15 \\
 \hline
 38.964
 \end{array}$$

$$\begin{array}{r}
 -0004 \\
 -059 \\
 \hline
 -0004059
 \end{array}$$

$$\begin{array}{r}
 48.01 \\
 50.03 \\
 +7 \\
 \hline
 49.96
 \end{array}$$

$$1939.08$$

$$(5.5)$$

$$\begin{array}{r}
 1288 \\
 1059 \\
 262 \\
 39.109 \\
 -015 \\
 \hline
 39.094
 \end{array}$$

$$(40.7)$$

$$\begin{array}{r}
 39.123 \\
 +52 \\
 \hline
 39.175
 \end{array}$$

$$\begin{array}{r}
 -0004 \\
 -059 \\
 \hline
 -0004059
 \end{array}$$

$$\begin{array}{r}
 51.20 \\
 +12 \\
 \hline
 51.08 \\
 50.52 \\
 -251 \\
 \hline
 50.87
 \end{array}$$

$$1955.63$$

$$(44.5)$$

$$1.301 \quad 1069 \quad 265 \quad (MF)$$

2.000

-35.900

0.000

-62.000

5.500

00733

125.84

5/1/71

11.700

0.604

0.763

0.230

-224.323

-25.551

-27.9

-0.664

0.641

-0.384

-188.426

-30.2

-28.215

0.441

-0.079

-0.894

23.274

-7.532

851

2 48.6 -35 53

815

10824

5.48+1.21+1.812

3726

4.86+0.49

478

382

(5.8)

pk4+602

000 -062

+11.76

482

4

469

37

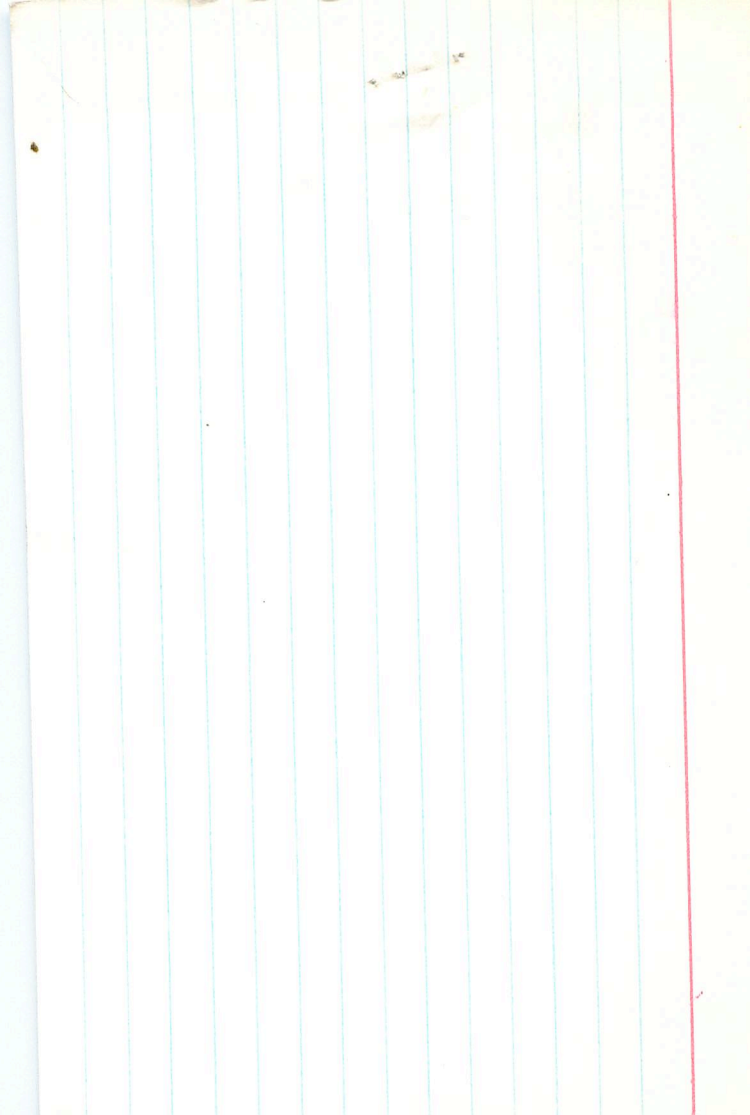
349

12

475

+102

*



H07926

2

49.8

-31 01

~~6.39~~

+8.1 ± 0.4 C, (4)

HR855

6.39 +0.47 F810 -V

3443

+121 +119 64

+0105¹⁵ +102 N30

+0096 ± 3.4 +110 ± 3.4

+0097, +107 sty

+0098 +1065

(2)

+1266

[+130 +103]

5964 8962 } 1222
4423 4436 } 0346

+713
+187,
-675

$+0.46 \pm 0.36$
 1938.05 cup

17926.000*

2.000^*
 49.800^*
 -31.000^*
 -1.000^*
 0.130^*
 0.103^*
 2.000^*
 25.119
 8.100

30.90

0.732
 0.298

4280 20.799

-0.083
 -0.333

5.3 -4.782

0.275
 -0.895

+1.2 -0.347

676 737 -515 857 +121 +110 +5.1 -057 -4 +445
 -052 039 059 -042 -150 606 +70 +5 +5
 -8 +45 +
 015

17526

HR858

GC3443

2 45.8 -31 02 F8 IV-L

6.39+48(-2.5)C

6.34 314 161 381 2626 60

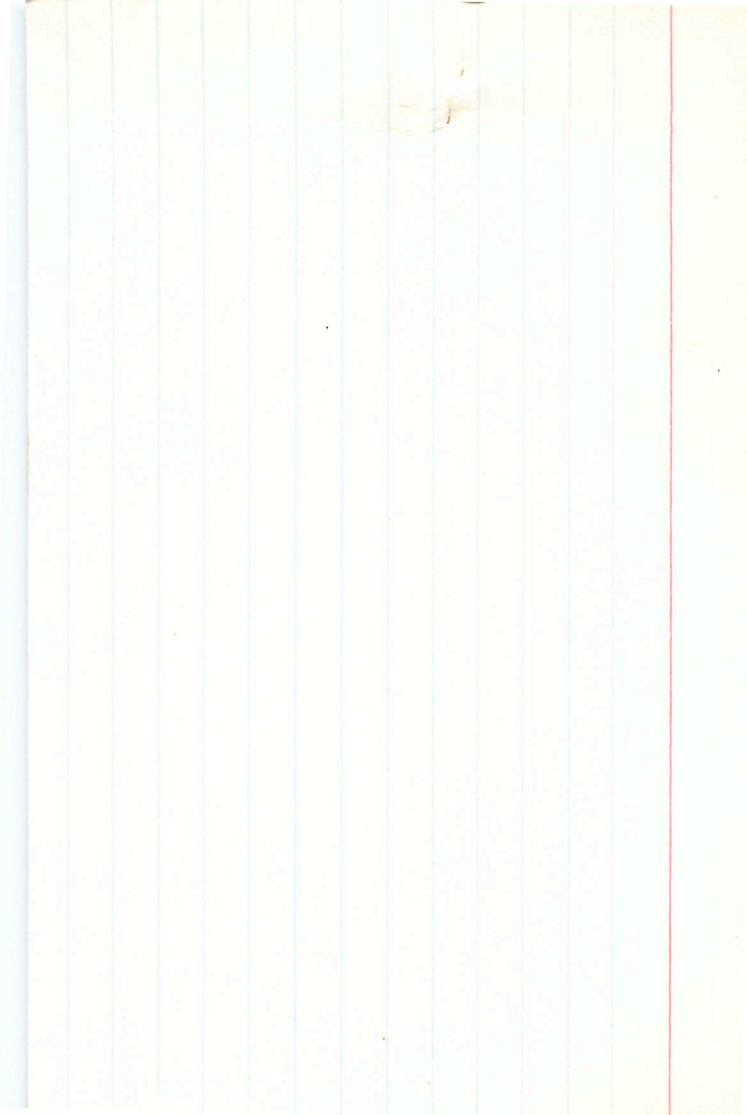
1310 .166 .384 - 2555 05.8 --
6.34 315 .175 .323 2610 05.5 ~
3.13 .170 .378 2610

226 46

315 -

315
6.44 330 150 48✓
314 151 451

6.40 315 150 470 2620



168

18291

2 52.5 -51 05 120

GL

-0008, -002 stng
-0005 +002

-0047
1001-1001

-13.5

R.A. : 2.900
DEC. : -51.100
PM. R.A. : -2.000
PM. DEC. : -1.000
DISTANCE : 6.000
MODULUS : 158
RAD. VEL. : -13.500

q1 (U) : 0.587
q2 (U) : 0.809
q3 (U) : 0.031
dU : -7.329
U : -1.586

q1 (V) : -0.666
q2 (V) : 0.504
q3 (V) : -0.550
dV : 1.573
V : 7.670

q1 (W) : 0.461
q2 (W) : -0.302
q3 (W) : -0.835
dW : -1.312
W : 11.062

10000
9720
38
24

8772

2 50.8 -25 17 9114

3463

18293
425
414
24

4.75 + 1.30 + 1.56 C

4.24 +0.48 Monday
406 +0.50 E(2)
4.15 +0.49

~~-00125 + 211
-0070 -024 N30 +4.7a
+00134
-0226 -3~~

0093 -025
00835 -084

~~-023 -027
-00885 -0209
1239~~

-0316
-024025

~~-0212
+32
-028 -024~~

327
310
19
50

4.11 +0.15

373

-114
-27

305
192
10.6
5.05

4.15
4.17

40005
+0024

1.827 1.136 0.342 MF

46.220

1.3

10100
10000

16.55 970-024

409
6.24

101
10.57

45.909

64.37

1251

40
449

2
1244

46.26

35.02

16.84

46.26
3.04

16.56
16.56

872.000*

2.000*

50.800*

-75.000*

-17.000*

-0.028*

-0.024*

4.800*

10/100

91.201

4.700

-0.164

-0.305

-18

-16.354

0.061

-0.706

+3

2.202

0.011

-0.640

-2

-1.985

R.A. : 2.850
DEC. : -75.300
PM. R.A. : -114.000
PM. DEC. : -27.000
DISTANCE : 4.550
MODULUS : 81.4
RAD. VEL. : 4.700

q1 (U) : 0.595
q2 (U) : 0.743
q3 (U) : -0.305
dU : -176.774
U : -15.802

20.8

q1 (V) : -0.665
q2 (V) : 0.243
q3 (V) : -0.706
dV : 60.077
V : 1.565

23.2

q1 (W) : 0.451
q2 (W) : -0.623
q3 (W) : -0.639
dW : 17.965
W : -1.544

880
18923

-0023 -010 large Peg
-0014 -010
+0013 53.4

45.4
-64 38 126

-0004 -008
+0002 -006
+0012

6.55 +1.39 +1.59 C

+0015 -009

00

+0013 ±6.9

-0008 ±6.7
+15

061

23.653 502.5
592

15.51 1556
15.36

-0014

23.41
-089
15.526
061

19480

15.4
-5.8
15.98
CS

R.A. : 2.900
DEC. : -64.600
PM. R.A. : 12.000
DISTANCE : -9.000
MODULUS : 251
RAD. VEL. : 5.400

q1 (U) : 0.587
q2 (U) : 0.794
q3 (U) : -0.158
dU : -19.551
U : -5.766

q1 (V) : -0.666
q2 (V) : 0.362
q3 (V) : -0.652
dV : -31.697
V : -11.484

q1 (W) : 0.461
q2 (W) : -0.488
q3 (W) : -0.741
dW : 32.065
W : 4.052

6.00 18535 2 55.9 -23 48 6.0 5.02 +7.46

1653

3574

52.184

1904.2

-23

48

22.49

19003

206

51.978

+00485

+0540

-2.68

25.77

6.524
23.8

412
16

45.517
6.540

00478

+0537

25.04

1934.42

74
50

52.107
004

+0650

+068 +050

22.69
-86

955

23.18
+1.99

6.0
+7.4

66.96

133

+155

31.4

23.55
+25

23.30

22.99

1939.30

1750

35.9

35.5

2.293
-13
280

21.09
15
21.8

52.160
0

52.249
4
294

21.40
+16
21.56

1.298

1109

224

23.64

1933.78

1.315 1.122 0.228 MP

23.43

2.900
-23.800
74.000
50.000
6.000
158.48
7.400

0.587
0.704
0.399
355.334
59.269

-0.666
0.700
-0.257
-47.692
-9.461

0.461
0.115
-0.880
175.012
21.224

18885 2 59.5 +003 21
 -100031
 +003 21
 5.82 -11.09

3642 30.638 1903.9 -10 09 2784 1903.4

$$\begin{array}{r} -152 \\ \hline 486 \\ \hline \end{array}$$

$$\begin{array}{r} +00325 \\ \hline +00325 \\ \hline \end{array}$$

$$\begin{array}{r} +00325 \\ \hline +00325 \\ \hline \end{array}$$

$$\begin{array}{r} +00325 \\ \hline +00325 \\ \hline \end{array}$$

$$\begin{array}{r} +00325 \\ \hline +00325 \\ \hline \end{array}$$

$$\begin{array}{r} +00325 \\ \hline +00325 \\ \hline \end{array}$$

$$\begin{array}{r} +00325 \\ \hline +00325 \\ \hline \end{array}$$

$$\begin{array}{r} +00325 \\ \hline +00325 \\ \hline \end{array}$$

$$\begin{array}{r} +00325 \\ \hline +00325 \\ \hline \end{array}$$

$$\begin{array}{r} +00325 \\ \hline +00325 \\ \hline \end{array}$$

$$\begin{array}{r} +00325 \\ \hline +00325 \\ \hline \end{array}$$

$$\begin{array}{r} +00325 \\ \hline +00325 \\ \hline \end{array}$$

$$\begin{array}{r} +00325 \\ \hline +00325 \\ \hline \end{array}$$

$$\begin{array}{r} +00325 \\ \hline +00325 \\ \hline \end{array}$$

$$\begin{array}{r} +00325 \\ \hline +00325 \\ \hline \end{array}$$

$$\begin{array}{r} +00325 \\ \hline +00325 \\ \hline \end{array}$$

R.A. : 3.000
DEC. : -10.150
PM. R.A. : 46.000
PM. DEC. : -9.000
DISTANCE : 5.510
MODULUS : 126
AD. VEL. : 11.500

q1 (U) : 0.570
q2 (U) : 0.593
q3 (U) : 0.569
dU : 96.987
U : 18.809

q1 (V) : -0.667
q2 (V) : 0.738
q3 (V) : -0.102
dV : -174.617
V : -23.254

q1 (W) : 0.480
q2 (W) : 0.321
q3 (W) : -0.816
dW : 89.370
W : 1.918

SVI 02

114-100

the approx.

913

2 59.7 -6 41 6.20 +60

1894

10056 -144

1088

1090 -147

363.1

10059 ± 7.5

4.76

-143 ± 7.1
14.80 18944

301 397 21411

416.2

3.0
-6.7
91
-144
2.5
416.2

416

8779

1 23.9 -00 40 9150 -6.48

6.40 +1.27 +1.27 C

+0031 +003

C-L +2.0

3.0000

-6.7000

91.0000

-144.0000

2.5000

528162

16.2000

0.5700

0.5500

0.6004

-136.624

5.457

-0.667

0.740

-0.057

-792.819

-25.996

0.480

0.370

-0.795

-46.757

-14.362

19080 3 01.9 +15 40 6.6 N2 -31.6 6

1705

3690

924

6.46 + 182 + 145 ①

5.74 + 52

24

-0008 -0827 1730

8 20 11 10 11 10 11 10

0004

086

1000 1000 1000 1000 1000 1000

-0867

010-500-090

1111 1111 1111 1111

3.0 +15.66

-12 -86

60 5.61

017-086

085 013

1000

1000 1000 1000 1000

1278 1131 258

541 4.71 2.11 6.81

53,472 3.3 -1009

4244 2.8

-1009
-1004
6333

434
5203

-182

47.20

-13
29

087
-084

53,407

119
419

53,319

119
411

72-88

46.06

-13
41-93

53,425

119
437

5908

4230

-13
4217

R.A. : 3.000
 DEC. : 15.660
 PM. R.A. : -12.000
 PM. DEC. : -86.000
 DISTANCE : 5.650
 MODULUS : 135
 RAD. VEL. : -31.600

q1 (U) : 0.570
 q2 (U) : 0.286
 q3 (U) : 0.770
 dU : -147.881
 U : -44.292

q1 (V) : -0.667
 q2 (V) : 0.709
 q3 (V) : 0.230
 dV : -252.437
 V : -41.316

q1 (W) : 0.480
 q2 (W) : 0.645
 q3 (W) : -0.595
 dW : -289.098
 W : -20.204

3.000
 15.660
 -5.000
 -79.000
 6.000
 158
 -31.600

0.570
 0.286
 0.770
 -120.181
 -43.391

-0.667
 0.709
 0.230
 -250.222
 -46.921

0.480
 0.645
 -0.595
 -252.363
 -21.203

10

3651	14.907	1401.7	-7	52	51.36	1898.1	30
------	--------	--------	----	----	-------	--------	----

pen -155 -16

79
10/6
79

$\frac{1}{\sqrt{2}}$

5139

101 ✓ 101 ✓ 101 ✓

0.000

-7.900

41.000

-6.000

4.500

79 MB

24.700

0.570

0.570

0.592

93.458

22.040 22.9

-0.667

0.742

-0.073

-149.458

-13.666 -15.1

0.480

0.353

-0.803

82.407

-13.265 -12.5

1912-1 3 02.0 ± 0.1 40
 ± 0.20 ± 0.20 4
 $\pm 0.8 \pm 4.7$ ± 0.9 ± 0.5
 ± 0.6 ± 0.6 ± 1.4

$+008 \pm 4.7$ ± 0.9 120 ± 11
 $+006$ ± 0.3

$+008 \pm 4.7$
 $+006$
 $+003$

1708 6.04 + 1.04 + 0.87 C

3683	2.773	1900.4	+1	40	10.84	1898.8
------	-------	--------	----	----	-------	--------

$$\begin{array}{r} 174 \\ - 099 \\ \hline \end{array}$$

2.61

777 1045 2.718 26

$$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$$

1000

100 + 100 = 200

602

3

(22)

Hand

$$\begin{array}{r} 157 \\ 81 \overline{) 12887} \\ \underline{81} \\ 478 \\ \underline{366} \\ 1127 \\ \underline{1056} \\ 71 \end{array}$$

1887

1907 8107
1907 8107

to 100, 500, 1000

34.20

06270

Post box

44, 45

1111



100

$$\begin{array}{r} 10.43 \\ - 41 \\ \hline \end{array}$$

10.43

122 +

10.63

+20

3.000

1.660

29.000

4.000

6.000

158

1.400

✓

.48

4.50

95.50

0.570

0.464

0.678

87.086

+12.7

14.752

+9.3

-0.667

0.743

0.052

-77.532

-10.4

-12.216

-7.3

0.480

0.482

-0.733

75.124

+9.1

10.880

46.✓

(929)
19141

3 01.2 -47 10 9122

var
+16.0

0.441 582 1130 (2.36) C GC

10016 1004 Stay
10018 10021

30
-47.15
+37
+4
6.0
+16.0

218
10183

1022-1004

1.310 1072 301

1.310 1071 302

1.318 1077 303 (m)

3.000
-47.150
32.000
4.000
6.000
158.49
16.000

18.1

0.570
0.816
0.097
74.246
13.326

19.1

-0.667
0.528
-0.526
-55.771
-17.723

-5.3

0.480
-0.234
-0.845
45.098
-6.376

19/78

03 02.4 -12 22

12.550

Vd 80

+1025 -082 -Cubing

$$\begin{array}{r} +14 \\ 26.224 \\ \hline 263 \end{array}$$

$$33.78 \quad 49.89$$

$$\begin{array}{r} 49.89 \\ \hline 49.89 \end{array}$$

$$26.331 \quad 5.216$$

$$\boxed{+025 -082}$$

$$26.314 \quad 48.88$$

$$52.82$$

$$+38$$

$$-82$$

$$48$$

$$+20$$

$$0$$

$$+30$$

R.A. : 3.050
DEC. : -12.400
PM. R.A. : 38.000
PM. DEC. : -82.000
DISTANCE : 4.800
MODULUS : 91
AD. VEL. : 3.000

q1 (U) : 0.561
q2 (U) : 0.617
q3 (U) : 0.552
dU : -140.944
U : -11.197

q1 (V) : -0.667
q2 (V) : 0.732
q3 (V) : -0.139
dV : -401.799
V : -37.062

q1 (W) : 0.490
q2 (W) : 0.290
q3 (W) : -0.822
dW : -26.704
W : -4.901

19254

3 023 51 36

+27.2

51199

+0060 ± 7.1 +067 ± 6.0

15.950 920

17.31 926

+0089 +068 51199

+00925 +072

+086

+090 +069

+141

+09

3.75

+27.2

A. : 3.050
C. : -51.600
A. : 145.000
C. : 69.000
NCE : 3.750
LUS : 56
EL. : 27.200

(U) : 0.561
(U) : 0.827
(U) : 0.038
dU : 509.959
U : 29.722

1 (V) : -0.667
2 (V) : 0.479
3 (V) : -0.570
dV : -128.122
V : -22.718

q1 (W) : 0.490
q2 (W) : -0.294
q3 (W) : -0.821
MP : 112.925
W : -15.968

19261

3 04.5 +15 01

-37.0

4405B

879 287 3262

0 -18 B

TS -21

+0005 -022 N30

+00047 -0227

+8

+00068

-26

+0005-026

5-8

-37.0

1254 1564 248

R.A. : 3.100
 DEC. : 15.000
 PM. R.A. : 8.000
 PM. DEC. : -26.000
 DISTANCE : 5.800
 MODULUS : 14.8
 RAD. VEL. : -37.000

q1 (U) : 0.552
 q2 (U) : 0.291
 q3 (U) : 0.781
 dU : -15.672
 U : -31.170

q1 (V) : -0.667
 q2 (V) : 0.716
 q3 (V) : 0.205
 dV : -112.683
 V : -23.865

q1 (W) : 0.500
 q2 (W) : 0.630
 q3 (W) : -0.590
 dW : -59.88
 W : 13.16

0258
 1.099
 245

19890 3 048 +15 19 +446

+14514

536 352 2256

-13 +7

242

1200816 162

-2.7

-0019 +0117

-031-¹²⁶
+117

-0020 +019

9.2 27 119 +044

-029 +016

-0008¹²⁴ +116 925 +225 +047

3.1
+153

-30
+16

7.0

+446

-27 +17 Rgd

-13 +12 Rgd

-12
+14
7.5
1946

12-44

1171
798
156

23.100

15.300

-30.000

16.000

7.000

251

49.600

61

0.552

0.287

0.783

-53.957

25.269

36.9

-0.667

0.715

0.209

145.760

46.957

+293

0.500

0.638

-0.586

-20.183

-34.156

244

R.A. : 3.10
DEC. : 15.30
PM. R.A. : -12.00
PM. DEC. : 14.00
DISTANCE : 7.50
MODULUS : 316.2
RAD. VEL. : 49.60

q1 (U) : 0.55
q2 (U) : 0.28
q3 (U) : 0.78
dU : -11.23
U : 35.26

q1 (V) : -0.66
q2 (V) : 0.715
q3 (V) : 0.209
dV : 84.057
V : 36.925

q1 (W) : 0.500
q2 (W) : 0.638
q3 (W) : -0.586
dW : 14.893
W : -24.377

19495

+120413

3 05.6 +13 22

+25.2

867 259 3209

+12 -31 4622

+7 -33 B

Ob
3

+4 -18 Y

0 -44

-1 -42

+7
-39
7.2 ✓

+252

+6 -36

+7 -39

R.A. : 3.100
DEC. : 13.400
PM. R.A. : 7.000
PM. DEC. : -39.000
DISTANCE : 7.200
MODULUS : 275
RAD. VEL. : 25.200

q1 (U) : 0.552
q2 (U) : 0.313
q3 (U) : 0.773
dU : -40.034
U : 8.447

q1 (V) : -0.667
q2 (V) : 0.721
q3 (V) : 0.185
dV : -154.903
V : -38.009

q1 (W) : 0.500
q2 (W) : 0.618
q3 (W) : -0.607
dW : -98.068
W : -42.313

1274
1.105
268