

1186 886 140 MF

165978 18 06.7 - 32 44

PO 12 +10.1 46

F01236

89010

6777

+5006-144

6.43 + 1.02 (2.09)

6.40 + 10.45 + 10.77  
2.544  
6.016 + 0.27 (4)

+0002

-141 N30

6.45

+0003

-147 GC →

1.150.00  
12.5.00  
8.100

+0002

-144

+1009-128 + 10

+0002 -147 N00-844

+0006 - 146 Gumbury

+0002

+10.1

10

+0004 - 147

+0008 - 146

-146

5.00

+10.1

R.A. : 18.100  
 DEC. : -32.750  
 R.A. : 10.000  
 DEC. : -146.000  
 DISTANCE : 5.000  
 DULUS : 100  
 VEL. : 10.100

1 (U) : 0.090  
 2 (U) : -0.064  
 3 (U) : -0.994  
 DU : 48.116  
 U : -5.227

1 (V) : 0.481  
 2 (V) : 0.877  
 3 (V) : -0.013  
 DV : -587.577  
 V : -58.892

1 (M) : -0.872  
 2 (M) : 0.477  
 3 (M) : -0.110  
 DM : -364.622  
 M : -37.570

521

1  
 2  
 3

292  
 5  
 57  
 36

12/12/20

13/12/20

14/12/20

15/12/20

16/12/20

17/12/20

18/12/20

19/12/20

20/12/20

12/12/20

13/12/20

14/12/20

15/12/20

16/12/20

17/12/20

18/12/20

19/12/20

20/12/20

050.28- M  
 022.279- MP  
 011.0- (M)  
 024.0- (M)  
 028.0- (M)

0300  
 0300  
 10

001.00-  
 000.100-  
 000.0-

0300  
 0300  
 10

16, 17, 18

16

10.9

47

23

152

1991

164 171

171  
172  
173

569 045 924 028

666 966 636 407 +0.430  
666 749 681 410  
639 458

← Arimo

167576 18 13.5 -27

14 III

89542

020 411

6.68 11.25 +1375 (2)

-112.18 -10.46

6.07 +0.43 (2)

10.27 046

569

0000 -1215 G-LT 600

+50025 -1175 FNY 120 6.3

AM2 = +0.46

+0003  
+0003 -118

Completed

+0002 -112

SM 11

1.266 1049 374 209 1221

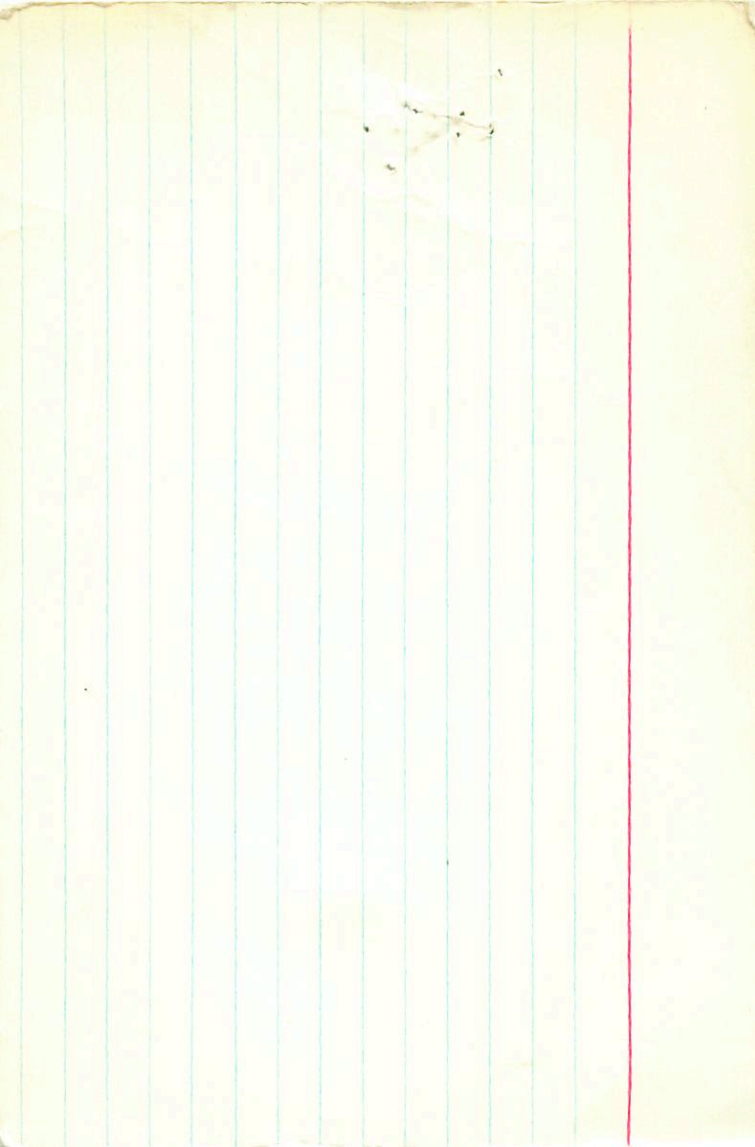
+0003 -112

1.2587 1062 379 108

1277 1055 375 377

(Cm) = 361

+3  
-112  
5.35  
10.4



-0004±4.6  
+0004

-117±6.0  
-126

9, (6)  
-10.4±1.0

167576 18 13.8

24928

6.66 + 1.27

48.654 1894.8

0.22  
6.76

6.68 + 1.25 + 1.375

6.07 143

14.334

34.3459

48.1016

1694

14.325

34.3624

48.1016

-27 43 58.96 1898.8

5.99

6.07 + 0.432

52.97

5.69

5.1

6

14.334

34.3459

48.1016

1.4

1.0

35.7

25.60

26.75

58.85

57.13

52.97

1931.99

56.95

3.98

4.095

30.5

31.7

25.03 1925.96

26.72

58.37

50.534695



124

101

8.8

103

11

222

132

101-103

10112

103-105

1072-1072

1105-1076

1076-1105

: 18.200  
: -27.750  
: 3.000  
: -112.000  
: 5.350  
E : 117  
S : -10.400  
L :

(U) : 0.113  
(U) : 0.024  
(U) : -0.993  
NP : -11.190  
U : 9.016

(V) : 0.468  
2 (V) : 0.880  
3 (V) : 0.074  
VP : -461.469  
V : -54.989

1 (M) : -0.876  
2 (M) : 0.474  
3 (M) : -0.088  
MP : -262.517  
M : -29.928

124

400  
2.1

1.35  
0.400

0.11  
0.01  
0.00

0.00  
0.00  
0.01  
0.01

0.01  
0.01  
0.01  
0.01

P.A. DEC.  
P.A. DEC.  
P.A. DEC.  
DISTANCE  
MODULUS  
D. VEL.

P.1  
P.2  
P.3  
P.4  
P.5

P.1  
P.2  
P.3  
P.4  
P.5

P.1  
P.2  
P.3  
P.4  
P.5

Handwritten signature or mark

R.A. : 18.200  
DEC. : -27.750  
PM. R.A. : -3.400  
PM. DEC. : -112.180  
DISTANCE : 5.350  
MODULUS : 117  
RAD. VEL. : -10.400

q1 (U) : 0.113  
q2 (U) : 0.024  
q3 (U) : -0.993  
dU : -14.232  
U : 8.659

q1 (V) : 0.468  
q2 (V) : 0.880  
q3 (V) : 0.074  
dV : -474.797  
V : -56.555

q1 (W) : -0.876  
q2 (W) : 0.474  
q3 (W) : -0.088  
dW : -239.396  
W : -27.212

W24

1006 167576  
1007 1062379  
1008 13.8  
1009 101001  
1010 101001  
1011 101001  
1012 101001  
1013 101001  
1014 101001  
1015 101001  
1016 101001  
1017 101001  
1018 101001  
1019 101001  
1020 101001

1021 101001  
1022 101001  
1023 101001  
1024 101001  
1025 101001  
1026 101001  
1027 101001  
1028 101001  
1029 101001  
1030 101001  
1031 101001  
1032 101001  
1033 101001  
1034 101001  
1035 101001  
1036 101001  
1037 101001  
1038 101001  
1039 101001  
1040 101001

1041 101001  
1042 101001  
1043 101001  
1044 101001  
1045 101001  
1046 101001  
1047 101001  
1048 101001  
1049 101001  
1050 101001  
1051 101001  
1052 101001  
1053 101001  
1054 101001  
1055 101001  
1056 101001  
1057 101001  
1058 101001  
1059 101001  
1060 101001

1061 101001  
1062 101001  
1063 101001  
1064 101001  
1065 101001  
1066 101001  
1067 101001  
1068 101001  
1069 101001  
1070 101001  
1071 101001  
1072 101001  
1073 101001  
1074 101001  
1075 101001  
1076 101001  
1077 101001  
1078 101001  
1079 101001  
1080 101001

1081 101001  
1082 101001  
1083 101001  
1084 101001  
1085 101001  
1086 101001  
1087 101001  
1088 101001  
1089 101001  
1090 101001  
1091 101001  
1092 101001  
1093 101001  
1094 101001  
1095 101001  
1096 101001  
1097 101001  
1098 101001  
1099 101001  
1100 101001

1101 101001  
1102 101001  
1103 101001  
1104 101001  
1105 101001  
1106 101001  
1107 101001  
1108 101001  
1109 101001  
1110 101001  
1111 101001  
1112 101001  
1113 101001  
1114 101001  
1115 101001  
1116 101001  
1117 101001  
1118 101001  
1119 101001  
1120 101001

1121 101001  
1122 101001  
1123 101001  
1124 101001  
1125 101001  
1126 101001  
1127 101001  
1128 101001  
1129 101001  
1130 101001  
1131 101001  
1132 101001  
1133 101001  
1134 101001  
1135 101001  
1136 101001  
1137 101001  
1138 101001  
1139 101001  
1140 101001

1141 101001  
1142 101001  
1143 101001  
1144 101001  
1145 101001  
1146 101001  
1147 101001  
1148 101001  
1149 101001  
1150 101001  
1151 101001  
1152 101001  
1153 101001  
1154 101001  
1155 101001  
1156 101001  
1157 101001  
1158 101001  
1159 101001  
1160 101001

25

667	777	777	777
667	777	777	777
667	777	777	777
667	777	777	777

+24.3464 36 181 2425 -0052=8.0 -138±8.3  
-0085 140

172085 040.5 18 35.1 +24 23 7.4 dF9 -34.76

25459 91283

-37 58.1 383 -42.6

11083 6.736 382

1502.2 124 23 2799 1503.9  
7.52 365 145 424 2124 6.36

-060 -1500 → 144  
-054 -151 × 4 →  
-054 -124 AG12  
0589 546 055

-068 -124  
-0666 738 <sup>London</sup>  
34.35

6.872 874  
-057 -135 367  
-055 -105

877 0026 -123 8107 1525.98  
-0040 -116 A -25  
30.82 151.54  
273 1.0 1450 50

6.89 900  
-054 -100 AG12  
6525 4158 1322  
1543 25905 1000

-231 273  
-0026 -123 30 71  
-044 -123 30.76  
273 1.0 1450 50  
-29 273  
180 30.76  
C<sub>n</sub> = 173  
-3.59

15.6

101  
1000  
1000  
1000  
1000

4.55

1

2.59

10

36.05  
36.06

~~34.6~~  
~~37.7~~

~~47.7~~  
~~47.7~~

54.7  
54.75

221



R.A. : 18.000  
DEC. : 24.000  
R.A. : 24.000  
DEC. : 24.000  
TANCE : -153.000  
DULUS : 4.000  
VEL. : 63  
-30.700

1 (U) :  
2 (U) :  
3 (U) :  
01 : 0.203  
02 : 0.722  
03 : -0.270  
U : -200.070  
-10.001

1 (U) :  
2 (U) :  
3 (U) :  
01 : 0.418  
02 : 0.463  
03 : 0.783  
U : -300

R.A. : 18.600  
DEC. : 24.400  
R.A. : -54.000  
TANCE : -123.000  
DULLUS : 4.000  
VEL. : 63  
-36.700

1 (U) : 0.203  
2 (U) : 0.792  
3 (U) : -0.576  
DU : -509.073  
U : -10.991

1 (U) : 0.416  
2 (U) : 0.462  
3 (U) : 0.783  
DU : -366  
U :

R.A. : 18.888  
 DEC : 24.408  
 R.A. : 21.543  
 DEC : -125.838  
 DISTANCE : 4.538  
 MODULES : 78  
 AD. VEL. : 39.708

P1 (U) : 8.283  
 P2 (U) : 8.792  
 P3 (U) : -0.575  
 P4 : -503.493  
 U : -18.263

P1 (U) : 0.418  
 P2 (U) : 6.462  
 P3 (U) : 0.788  
 P4 : -388.227  
 U : -27.243

P1 (U) : 0.888  
 P2 (U) : 0.398  
 P3 (U) : 0.228  
 P4 : -38.278  
 U : -11.383

*Handwritten mark*

275  
R.A. : 18.600  
DEC. : 24.400  
PM. R.A. : -51.540  
PM. DEC. : -122.080  
DISTANCE : 4.500  
MODULUS : 79  
AD. VEL. : -36.700

q1 (U) : 0.203  
q2 (U) : 0.792  
q3 (U) : -0.576  
dU : -503.466  
U : -18.863

q1 (V) : 0.416  
q2 (V) : 0.462  
q3 (V) : 0.783  
dV : -360.227  
V : -57.345

q1 (W) : -0.886  
q2 (W) : 0.398  
q3 (W) : 0.236  
dW : -33.278  
W : -11.303

176

059

478 V-152

183-47 PN 50 d -31.5 for

7023

1004

18 40.0 -19 20 6.49 my

1004

-0006 -036

-0005 1-034

+00030

-0372

-3.18

-004 -026 6c

0012

-16

+ 32

-32713

+3  
-004 -024

~~1007035~~

~~00014~~

~~-0340~~

~~+ 20~~

~~1095~~

~~1007035~~

~~00014~~

~~+ 20~~

~~1095~~

~~32.7~~

-2 V

+0005

-032

0326

32.7

30

+007 -032

1004

0326

32.7

90

1004

1004

0326

32.7

-30

1004

1004

0326

32.7

4435

13

02.0

-40

55

6.25 - 44.5 per

-30.5 per

7023.000\*

18.000\*

40.000\*

-19.000\*

-20.000\*

0.007\*

-0.032\*

7.500\*

316.228

-31.000

-0.019

-0.960

24.393

-0.120

0.253

-45.967

-0.007

-0.119

-26.80

1000  
8W

220

57.4

35.6

10

18V5134  
419 146.5  
381  
155

-00027 -0334  
+0016  
-0314

18  
143

HN7023 18 40.0 -15 20 -14 11.5

73  
73

-0025  
-002-032

39  
160  
9.5  
14.5

172816

172255  
172287

-31.8

39  
160  
9.5  
14.5

8.42 +0.325 -0.03 2 89 +445 7.0  
9.77 +0.15 -0.49 2 89 +36 10.1  
8.87 +0.205 -0.28 2 89 +375 8.65  
172 854 7.73 +0.225 -0.31 2 85 +405 7.5

-0001  
+00546  
-0027  
+0027  
-0314  
+0032  
-0314  
+0032

-0322 ZC

218 173 -960 +0010 -0.246 -0.236 +27.4 +30.5  
407 878 252 +0019 -12.49 -1230 -35.0 -9.0  
-557 445 -121 -0042 -0.633 -0.675 -11.0 +3.6

+0017 -0314  
+001 -080

+1-30  
7.5

E=+10  
E=+10

HN7023 6.05 +1.77 +1.65 -3.85 +27 -35 -11 +1 -31.8 50±  
305 107 4.2 +1.95 6.7 -2 -12 -7 -30 114 -7 0

~~EW 504~~

7023 14.7 - 6.8

✓ 5032  
✓ 246  
2002  
231 920  
520  
- 9  
6.65

9.01

13.5 - 4.6 8.96 + 3.1 - 24 8.6 III + 4.9 3.0

58.347 14

- 00074  
7005  
7006  
58

144 0.2

- 00074

~~30.2~~

7006  
7009

1.28  
0.00

- 034  
- 038

58.310

20.74

8.53

- 038  
- 036

~~30.1~~

- 271  
73

58.312

69.26

301  
0

~~319~~

58.339

92.14

2.23

72

- 1/331

1/91







R.A. : 18.650  
DEC. : -19.350  
M. R.A. : -12.590  
M. DEC. : -33.330  
DISTANCE : 7.200  
MODULUS : 275  
D. VEL. : -32.700

q1 (U) : 0.214  
q2 (U) : 0.175  
q3 (U) : -0.961  
dU : -39.684  
U : 20.497

q1 (V) : 0.409  
q2 (V) : 0.877  
q3 (V) : 0.251  
dV : -161.638  
V : -52.719

q1 (W) : -0.887  
q2 (W) : 0.447  
q3 (W) : -0.116  
dW : -20.683  
W : -1.906

127

R.A. : 18.850  
DEC. : -19.350  
PM. R.A. : -32.000  
DISTANCE : 8.000  
MODULES : 328  
RAD. VEL. : -35.500

d1 (U) : 0.514  
d2 (U) : 8.173  
d3 (U) : -0.173  
d4 (U) : -32.754  
d5 (U) : 17.502

u : 0.402  
v : 0.877  
w : -158.521

d1 (U) :  
d2 (U) :  
d3 (U) :  
d4 (U) :  
d5 (U) :

d1 (U) :  
d2 (U) :

R.A.	:	18.650
DEC.	:	-19.350
PM. R.A.	:	-7.000
PM. DEC.	:	-35.000
DISTANCE	:	8.000
MODULUS	:	398
RAD. VEL.	:	-32.700

q1 (U)	:	0.214
q2 (U)	:	0.175
q3 (U)	:	-0.961
dU	:	-35.724
U	:	17.205

q1 (V)	:	0.409
q2 (V)	:	0.877
q3 (V)	:	0.251
dV	:	-158
V	:	

q1 (W)	:	
q2 (W)	:	

17717

18 471

49 39

GSD

-13

-491620

GSD 248 ac 2

1818200

173955

188  
1945

1882

0369  
-039-124

-10

1818200  
1818200  
1818200

-124

50

-13

128

R.A. : 18.800  
DEC. : -42.450  
PM. R.A. : -40.000  
PM. DEC. : -124.000  
DISTANCE : 2.000  
MODULUS : 100  
RAD. VEL. : -1.300

*0105*  
d1 (U) : 0.247  
d2 (U) : -0.327  
d3 (U) : -0.212  
qU : 144.448  
U : 12.828

*0102*  
d1 (V) : 0.388  
d2 (V) : 0.824  
d3 (V) : -0.214  
qV : -228.021  
V : -22.222

*0101*  
d1 (M) : -0.888  
d2 (M) : 0.301  
d3 (M) : -0.348  
qM : -13.382  
M : -0.882



R.A. : 18.800  
 DEC. : -49.650  
 PM. R.A. : -60.000  
 PM. DEC. : -124.000  
 DISTANCE : 5.000  
 MODULUS : 100  
 RAD. VEL. : -1.300

*0103*  
*4.97*  
 q1 (U) : 0.247  
 q2 (U) : -0.327  
 q3 (U) : -0.912  
 dU : 146.668  
 U : 15.853

*15.5*  
 q1 (V) : 0.388  
 q2 (V) : 0.896  
 q3 (V) : -0.216  
 dV : -598.061  
 V : -59.525

*12.8*  
*-57.9*  
 q1 (W) : -0.888  
 q2 (W) : 0.301  
 q3 (W) : -0.348  
 dW : -13.389  
 W : -0.8 -0.886

6.54 2N 545 842

175317 18 52.6 -16 26 S.U dFS -41.88

25955

-0017 46 -184 47 N30

11365

-0017 ± 3.1 -184 ± 3.166 → N30

HR 17126  
C28822  
P225

024-184

5.57 0287-0159  
299 152489 21646 C.

2600  
104705  
2600

0146 1848  
-0281 150

6528  
2556  
-7575

HR 151100

0258-1844

HR 5145 312

HR 151100  
HR 151100  
HR 151100

-26.4  
-184.4  
3.12  
-12.8

HR 151100  
HR 151100  
HR 151100

129

28.152

(1490)

2488

STANDARD  
R.D. 4  
R.D. 3  
R.D. 2  
R.D. 1  
R.D. 0

STANDARD  
R.D. 4  
R.D. 3  
R.D. 2  
R.D. 1  
R.D. 0

18.850

18.450

-16.900

-26.400

-184.120

42.800

-42.800

R.A.C.

REC.

R.A.C.

PRESENCE

INSTANCES

.....

177945

1419-03.7

211 58

80

1727581

12.5.2018

1011

18688-45.94  
25.7852

10.6

03871 N<sub>0</sub>

7.26 371

144

242

4

7.25 376

135

301

1

376

379

138

248

1764

379

142

4431

C<sub>m</sub> 216

373 142

444 440

415

19

1071

415

19

178

415

19

1010 1081 069

2.5.20

0

238

-25

-588

-3

1310





R.A. : 19.050  
 DEC. : -11.950  
 R.A. : -182.00  
 DEC. : -415.  
 DISTANCE :  
 MODULUS :  
 VEL. :

q1 (U)  
 q2 (U)  
 q3 (U)  
 dU  
 U

q1 (V) : 0.3  
 q2 (V) : 0.84  
 q3 (V) : 0.401  
 dV : %-1961.030  
 V : -59.770

q1 (M) : -0.886  
 q2 (M) : 0.439  
 q3 (M) : -0.148  
 dM : -115.662  
 M : -3.525

130

R.A. : 19.050  
 DEC. : -11.950  
 R.A. : -182.00  
 DEC. : -415.  
 DISTANCE :  
 MODULUS :  
 VEL. :

q1 (U)  
 q2 (U)  
 q3 (U)  
 dU  
 U

q1 (V) : 0.301  
 q2 (V) : -0.303  
 q3 (V) : -0.304  
 dV : %-1972.844  
 V : -59.819

q1 (M) : -0.886  
 q2 (M) : 0.439  
 q3 (M) : -0.148  
 dM : -115.662  
 M : -3.525

130

178445

W7923

19 07.2 ✓

41 LH

936 +131

R7E

859 0.55 ✓

-059-641

T2.0

W7923

-87  
-641

150  
T2 ✓

U<sub>m</sub><sup>2</sup>

131

110.591  
 100.589  
 0.002  
 0.003  
 0.004  
 0.002  
 1.001.585  
 1.002.587  
 0.001.583  
 0.002.584  
 0.003.585  
 0.004.586  
 0.005.587  
 0.006.588  
 0.007.589  
 0.008.590  
 0.009.591  
 0.010.592  
 0.011.593  
 0.012.594  
 0.013.595  
 0.014.596  
 0.015.597  
 0.016.598  
 0.017.599  
 0.018.600  
 0.019.601  
 0.020.602  
 0.021.603  
 0.022.604  
 0.023.605  
 0.024.606  
 0.025.607  
 0.026.608  
 0.027.609  
 0.028.610  
 0.029.611  
 0.030.612  
 0.031.613  
 0.032.614  
 0.033.615  
 0.034.616  
 0.035.617  
 0.036.618  
 0.037.619  
 0.038.620  
 0.039.621  
 0.040.622  
 0.041.623  
 0.042.624  
 0.043.625  
 0.044.626  
 0.045.627  
 0.046.628  
 0.047.629  
 0.048.630  
 0.049.631  
 0.050.632  
 0.051.633  
 0.052.634  
 0.053.635  
 0.054.636  
 0.055.637  
 0.056.638  
 0.057.639  
 0.058.640  
 0.059.641  
 0.060.642  
 0.061.643  
 0.062.644  
 0.063.645  
 0.064.646  
 0.065.647  
 0.066.648  
 0.067.649  
 0.068.650  
 0.069.651  
 0.070.652  
 0.071.653  
 0.072.654  
 0.073.655  
 0.074.656  
 0.075.657  
 0.076.658  
 0.077.659  
 0.078.660  
 0.079.661  
 0.080.662  
 0.081.663  
 0.082.664  
 0.083.665  
 0.084.666  
 0.085.667  
 0.086.668  
 0.087.669  
 0.088.670  
 0.089.671  
 0.090.672  
 0.091.673  
 0.092.674  
 0.093.675  
 0.094.676  
 0.095.677  
 0.096.678  
 0.097.679  
 0.098.680  
 0.099.681  
 0.100.682  
 0.101.683  
 0.102.684  
 0.103.685  
 0.104.686  
 0.105.687  
 0.106.688  
 0.107.689  
 0.108.690  
 0.109.691  
 0.110.692  
 0.111.693  
 0.112.694  
 0.113.695  
 0.114.696  
 0.115.697  
 0.116.698  
 0.117.699  
 0.118.700  
 0.119.701  
 0.120.702  
 0.121.703  
 0.122.704  
 0.123.705  
 0.124.706  
 0.125.707  
 0.126.708  
 0.127.709  
 0.128.710  
 0.129.711  
 0.130.712  
 0.131.713  
 0.132.714  
 0.133.715  
 0.134.716  
 0.135.717  
 0.136.718  
 0.137.719  
 0.138.720  
 0.139.721  
 0.140.722  
 0.141.723  
 0.142.724  
 0.143.725  
 0.144.726  
 0.145.727  
 0.146.728  
 0.147.729  
 0.148.730  
 0.149.731  
 0.150.732  
 0.151.733  
 0.152.734  
 0.153.735  
 0.154.736  
 0.155.737  
 0.156.738  
 0.157.739  
 0.158.740  
 0.159.741  
 0.160.742  
 0.161.743  
 0.162.744  
 0.163.745  
 0.164.746  
 0.165.747  
 0.166.748  
 0.167.749  
 0.168.750  
 0.169.751  
 0.170.752  
 0.171.753  
 0.172.754  
 0.173.755  
 0.174.756  
 0.175.757  
 0.176.758  
 0.177.759  
 0.178.760  
 0.179.761  
 0.180.762  
 0.181.763  
 0.182.764  
 0.183.765  
 0.184.766  
 0.185.767  
 0.186.768  
 0.187.769  
 0.188.770  
 0.189.771  
 0.190.772  
 0.191.773  
 0.192.774  
 0.193.775  
 0.194.776  
 0.195.777  
 0.196.778  
 0.197.779  
 0.198.780  
 0.199.781  
 0.200.782  
 0.201.783  
 0.202.784  
 0.203.785  
 0.204.786  
 0.205.787  
 0.206.788  
 0.207.789  
 0.208.790  
 0.209.791  
 0.210.792  
 0.211.793  
 0.212.794  
 0.213.795  
 0.214.796  
 0.215.797  
 0.216.798  
 0.217.799  
 0.218.800  
 0.219.801  
 0.220.802  
 0.221.803  
 0.222.804  
 0.223.805  
 0.224.806  
 0.225.807  
 0.226.808  
 0.227.809  
 0.228.810  
 0.229.811  
 0.230.812  
 0.231.813  
 0.232.814  
 0.233.815  
 0.234.816  
 0.235.817  
 0.236.818  
 0.237.819  
 0.238.820  
 0.239.821  
 0.240.822  
 0.241.823  
 0.242.824  
 0.243.825  
 0.244.826  
 0.245.827  
 0.246.828  
 0.247.829  
 0.248.830  
 0.249.831  
 0.250.832  
 0.251.833  
 0.252.834  
 0.253.835  
 0.254.836  
 0.255.837  
 0.256.838  
 0.257.839  
 0.258.840  
 0.259.841  
 0.260.842  
 0.261.843  
 0.262.844  
 0.263.845  
 0.264.846  
 0.265.847  
 0.266.848  
 0.267.849  
 0.268.850  
 0.269.851  
 0.270.852  
 0.271.853  
 0.272.854  
 0.273.855  
 0.274.856  
 0.275.857  
 0.276.858  
 0.277.859  
 0.278.860  
 0.279.861  
 0.280.862  
 0.281.863  
 0.282.864  
 0.283.865  
 0.284.866  
 0.285.867  
 0.286.868  
 0.287.869  
 0.288.870  
 0.289.871  
 0.290.872  
 0.291.873  
 0.292.874  
 0.293.875  
 0.294.876  
 0.295.877  
 0.296.878  
 0.297.879  
 0.298.880  
 0.299.881  
 0.300.882  
 0.301.883  
 0.302.884  
 0.303.885  
 0.304.886  
 0.305.887  
 0.306.888  
 0.307.889  
 0.308.890  
 0.309.891  
 0.310.892  
 0.311.893  
 0.312.894  
 0.313.895  
 0.314.896  
 0.315.897  
 0.316.898  
 0.317.899  
 0.318.900  
 0.319.901  
 0.320.902  
 0.321.903  
 0.322.904  
 0.323.905  
 0.324.906  
 0.325.907  
 0.326.908  
 0.327.909  
 0.328.910  
 0.329.911  
 0.330.912  
 0.331.913  
 0.332.914  
 0.333.915  
 0.334.916  
 0.335.917  
 0.336.918  
 0.337.919  
 0.338.920  
 0.339.921  
 0.340.922  
 0.341.923  
 0.342.924  
 0.343.925  
 0.344.926  
 0.345.927  
 0.346.928  
 0.347.929  
 0.348.930  
 0.349.931  
 0.350.932  
 0.351.933  
 0.352.934  
 0.353.935  
 0.354.936  
 0.355.937  
 0.356.938  
 0.357.939  
 0.358.940  
 0.359.941  
 0.360.942  
 0.361.943  
 0.362.944  
 0.363.945  
 0.364.946  
 0.365.947  
 0.366.948  
 0.367.949  
 0.368.950  
 0.369.951  
 0.370.952  
 0.371.953  
 0.372.954  
 0.373.955  
 0.374.956  
 0.375.957  
 0.376.958  
 0.377.959  
 0.378.960  
 0.379.961  
 0.380.962  
 0.381.963  
 0.382.964  
 0.383.965  
 0.384.966  
 0.385.967  
 0.386.968  
 0.387.969  
 0.388.970  
 0.389.971  
 0.390.972  
 0.391.973  
 0.392.974  
 0.393.975  
 0.394.976  
 0.395.977  
 0.396.978  
 0.397.979  
 0.398.980  
 0.399.981  
 0.400.982  
 0.401.983  
 0.402.984  
 0.403.985  
 0.404.986  
 0.405.987  
 0.406.988  
 0.407.989  
 0.408.990  
 0.409.991  
 0.410.992  
 0.411.993  
 0.412.994  
 0.413.995  
 0.414.996  
 0.415.997  
 0.416.998  
 0.417.999  
 0.418.1000  
 0.419.1001  
 0.420.1002  
 0.421.1003  
 0.422.1004  
 0.423.1005  
 0.424.1006  
 0.425.1007  
 0.426.1008  
 0.427.1009  
 0.428.1010  
 0.429.1011  
 0.430.1012  
 0.431.1013  
 0.432.1014  
 0.433.1015  
 0.434.1016  
 0.435.1017  
 0.436.1018  
 0.437.1019  
 0.438.1020  
 0.439.1021  
 0.440.1022  
 0.441.1023  
 0.442.1024  
 0.443.1025  
 0.444.1026  
 0.445.1027  
 0.446.1028  
 0.447.1029  
 0.448.1030  
 0.449.1031  
 0.450.1032  
 0.451.1033  
 0.452.1034  
 0.453.1035  
 0.454.1036  
 0.455.1037  
 0.456.1038  
 0.457.1039  
 0.458.1040  
 0.459.1041  
 0.460.1042  
 0.461.1043  
 0.462.1044  
 0.463.1045  
 0.464.1046  
 0.465.1047  
 0.466.1048  
 0.467.1049  
 0.468.1050  
 0.469.1051  
 0.470.1052  
 0.471.1053  
 0.472.1054  
 0.473.1055  
 0.474.1056  
 0.475.1057  
 0.476.1058  
 0.477.1059  
 0.478.1060  
 0.479.1061  
 0.480.1062  
 0.481.1063  
 0.482.1064  
 0.483.1065  
 0.484.1066  
 0.485.1067  
 0.486.1068  
 0.487.1069  
 0.488.1070  
 0.489.1071  
 0.490.1072  
 0.491.1073  
 0.492.1074  
 0.493.1075  
 0.494.1076  
 0.495.1077  
 0.496.1078  
 0.497.1079  
 0.498.1080  
 0.499.1081  
 0.500.1082  
 0.501.1083  
 0.502.1084  
 0.503.1085  
 0.504.1086  
 0.505.1087  
 0.506.1088  
 0.507.1089  
 0.508.1090  
 0.509.1091  
 0.510.1092  
 0.511.1093  
 0.512.1094  
 0.513.1095  
 0.514.1096  
 0.515.1097  
 0.516.1098  
 0.517.1099  
 0.518.1100  
 0.519.1101  
 0.520.1102  
 0.521.1103  
 0.522.1104  
 0.523.1105  
 0.524.1106  
 0.525.1107  
 0.526.1108  
 0.527.1109  
 0.528.1110  
 0.529.1111  
 0.530.1112  
 0.531.1113  
 0.532.1114  
 0.533.1115  
 0.534.1116  
 0.535.1117  
 0.536.1118  
 0.537.1119  
 0.538.1120  
 0.539.1121  
 0.540.1122  
 0.541.1123  
 0.542.1124  
 0.543.1125  
 0.544.1126  
 0.545.1127  
 0.546.1128  
 0.547.1129  
 0.548.1130  
 0.549.1131  
 0.550.1132  
 0.551.1133  
 0.552.1134  
 0.553.1135  
 0.554.1136  
 0.555.1137  
 0.556.1138  
 0.557.1139  
 0.558.1140  
 0.559.1141  
 0.560.1142  
 0.561.1143  
 0.562.1144  
 0.563.1145  
 0.564.1146  
 0.565.1147  
 0.566.1148  
 0.567.1149  
 0.568.1150  
 0.569.1151  
 0.570.1152  
 0.571.1153  
 0.572.1154  
 0.573.1155  
 0.574.1156  
 0.575.1157  
 0.576.1158  
 0.577.1159  
 0.578.1160  
 0.579.1161  
 0.580.1162  
 0.581.1163  
 0.582.1164  
 0.583.1165  
 0.584.1166  
 0.585.1167  
 0.586.1168  
 0.587.1169  
 0.588.1170  
 0.589.1171  
 0.590.1172  
 0.591.1173  
 0.592.1174  
 0.593.1175  
 0.594.1176  
 0.595.1177  
 0.596.1178  
 0.597.1179  
 0.598.1180  
 0.599.1181  
 0.600.1182  
 0.601.1183  
 0.602.1184  
 0.603.1185  
 0.604.1186  
 0.605.1187  
 0.606.1188  
 0.607.1189  
 0.608.1190  
 0.609.1191  
 0.610.1192  
 0.611.1193  
 0.612.1194  
 0.613.1195  
 0.614.1196  
 0.615.1197  
 0.616.1198  
 0.617.1199  
 0.618.1200  
 0.619.1201  
 0.620.1202  
 0.621.1203  
 0.622.1204  
 0.623.1205  
 0.624.1206  
 0.625.1207  
 0.626.1208  
 0.627.1209  
 0.628.1210  
 0.629.1211  
 0.630.1212  
 0.631.1213  
 0.632.1214  
 0.633.1215  
 0.634.1216  
 0.635.1217  
 0.636.1218  
 0.637.1219  
 0.638.1220  
 0.639.1221  
 0.640.1222  
 0.641.1223  
 0.642.1224  
 0.643.1225  
 0.644.1226  
 0.645.1227  
 0.646.1228  
 0.647.1229  
 0.648.1230  
 0.649.1231  
 0.650.1232  
 0.651.1233  
 0.652.1234  
 0.653.1235  
 0.654.1236  
 0.655.1237  
 0.656.1238  
 0.657.1239  
 0.658.1240  
 0.659.1241  
 0.660.1242  
 0.661.1243  
 0.662.1244  
 0.663.1245  
 0.664.1246  
 0.665.1247  
 0.666.1248  
 0.667.1249  
 0.668.1250  
 0.669.1251  
 0.670.1252  
 0.671.1253  
 0.672.1254  
 0.673.1255  
 0.674.1256  
 0.675.1257  
 0.676.1258  
 0.677.1259  
 0.678.1260  
 0.679.1261  
 0.680.1262  
 0.681.1263  
 0.682.1264  
 0.683.1265  
 0.684.1266  
 0.685.1267  
 0.686.1268  
 0.687.1269  
 0.688.1270  
 0.689.1271  
 0.690.1272  
 0.691.1273  
 0.692.1274  
 0.693.1275  
 0.694.1276  
 0.695.1277  
 0.696.1278  
 0.697.1279  
 0.698.1280  
 0.699.1281  
 0.700.1282  
 0.701.1283  
 0.702.1284  
 0.703.1285  
 0.704.1286  
 0.705.1287  
 0.706.1288  
 0.707.1289  
 0.708.1290  
 0.709.1291  
 0.710.1292  
 0.711.1293  
 0.712.1294  
 0.713.1295  
 0.714.1296  
 0.715.1297  
 0.716.1298  
 0.717.1299  
 0.718.1300  
 0.719.1301  
 0.720.1302  
 0.721.1303  
 0.722.1304  
 0.723.1305  
 0.724.1306  
 0.725.1307  
 0.726.1308  
 0.727.1309  
 0.728.1310  
 0.729.1311  
 0.730.1312  
 0.731.1313  
 0.732.1314  
 0.733.1315  
 0.734.1316  
 0.735.1317  
 0.736.1318  
 0.737.1319  
 0.738.1320  
 0.739.1321  
 0.740.1322  
 0.741.1323  
 0.742.1324  
 0.743.1325  
 0.744.1326  
 0.745.1327  
 0.746.1328  
 0.747.1329  
 0.748.1330  
 0.749.1331  
 0.750.1332  
 0.751.1333  
 0.752.1334  
 0.753.1335  
 0.754.1336  
 0.755.1337  
 0.756.1338  
 0.757.1339  
 0.758.1340  
 0.759.1341  
 0.760.1342  
 0.761.1343  
 0.762.1344  
 0.763.1345  
 0.764.1346  
 0.765.1347  
 0.766.1348  
 0.767.1349  
 0.768.1350  
 0.769.1351  
 0.770.1352  
 0.771.1353  
 0.772.1354  
 0.773.1355  
 0.774.1356  
 0.775.1357  
 0.776.1358  
 0.777.1359  
 0.778.1360  
 0.779.1361  
 0.780.1362  
 0.781.1363  
 0.782.1364  
 0.783.1365  
 0.784.1366  
 0.785.1367  
 0.786.1368  
 0.787.1369  
 0.788.1370  
 0.789.1371  
 0.790.1372  
 0.791.1373  
 0.792.1374  
 0.793.1375  
 0.794.1376  
 0.795.1377  
 0.796.1378  
 0.797.1379  
 0.798.1380  
 0.799.1381  
 0.800.1382  
 0.801.1383  
 0.802.1384  
 0.803.1385  
 0.804.1386  
 0.805.1387  
 0.806.1388  
 0.807.1389  
 0.808.1390  
 0.809.1391  
 0.810.1392  
 0.811.1393  
 0.812.1394  
 0.813.1395  
 0.814.1396  
 0.815.1397  
 0.816.1398  
 0.817.1399  
 0.818.1400  
 0.819.1401  
 0.820.1402  
 0.821.1403  
 0.822.1404  
 0.823.1405  
 0.824.1406  
 0.825.1407  
 0.826.1408  
 0.827.1409  
 0.828.1410  
 0.829.1411  
 0.830.1412  
 0.831.1413  
 0.832.1414  
 0.833.1415  
 0.834.1416  
 0.835.1417  
 0.836.1418  
 0.837.1419  
 0.838.1420  
 0.839.1421  
 0.840.1422  
 0.841.1423  
 0.842.1424  
 0.843.1425  
 0.844.1426  
 0.845.1427

132



131



1945

1946

1947

1948

1949

1950

1951

1952

1953

1954

1955

1956

1957

1958

1959

1960

1961

1962

1963

1964

1965

1966

1967

1968

1969

1970

178445.000\*

19.000\*

7.200\*

-47.000\*

-14.000\*

-0.079\*

1.5 -0.636\*

1873 1.200\*

17.378 180

2.000

0.698

-0.909

+12 10.311 +11.0

-2.921

-0.157

-58 -51.082 -540

132 -0.455

-0.386

-10 -8.674 -9.2

R.A. :  
DEC. :  
R.A. :  
DEC. :  
BALANCE :  
MODULUS :  
VEL. :  
20

5.000  
0.315  
-0.272  
-0.210  
237.288  
12.866

0.345  
0.252  
-0.152  
-2204.440  
-38.288

01 (W)  
02 (W)  
03 (W)  
04  
05 (W)  
06 (W)



R.A. : 19.100  
DEC. : -47.250  
R.A. : -88.000  
DEC. : -640.000  
DISTANCE : 1.500  
PERIOD : 20  
VELOCITY : 2.000

11 (U) : 0504 0.312  
12 (U) : 144 -0.272  
13 (U) : -0.910  
dU : 737.669  
U : 12.898

11 (V) : 0.345  
12 (V) : 0.925  
13 (V) : -0.159  
dV : -2904.446  
V : -58.269

1 (W) :  
2 (W) :  
3 (W) :

12.5

57.4

1591 15810  
59 06.3 - 5.5 10  
11 49  
+0092 + 7.1 - 2415.5.0  
+0071 - 2.55  
9(14)

779140 19 10.5 - 58 05 628 + 30336.0  
26471 0.5 7.28 383 186480  
2.550  
7.5.9.6 31.607 1902.7 - 58 5 25.89 1896.0  
1.008 684 034

7.28 402 - 185 410  
143 - 1442  
- 435 716 284  
31.172 No. 2  
13.01  
12.88  
400

25.565  
4851 - 218.70  
19.09 116 23.315  
8.18 27  
31.41 27  
31.41 27  
31.41 27  
51.09 192 8.66 94.30  
27.32  
624  
+0082 - 248 23.77  
+0088 - 248 23.77  
+0081 - 248 23.77  
471  
28.38  
41.2

10085 - 246 + 303 24.3  
+0071 + 165 - 247 21.55  
+0065  
31.5.96  
48  
31.5.96  
48  
+0085 - 246 - 288  
4664  
4752 - 4749

B 1891

1931/42 185 DIV 4B

133

Handwritten notes on a piece of paper, possibly a receipt or ledger entry. The text is faint and difficult to read, but appears to include:

Handwritten notes on a piece of paper, possibly a receipt or ledger entry. The text is faint and difficult to read, but appears to include:

Handwritten notes on a piece of paper, possibly a receipt or ledger entry. The text is faint and difficult to read, but appears to include:

Handwritten notes on a piece of paper, possibly a receipt or ledger entry. The text is faint and difficult to read, but appears to include:

Handwritten notes on a piece of paper, possibly a receipt or ledger entry. The text is faint and difficult to read, but appears to include:

Handwritten notes on a piece of paper, possibly a receipt or ledger entry. The text is faint and difficult to read, but appears to include:

3.2  
4406 52

39.811  
38.300  
0.0194  
3.56

0.608  
-0.839

-1.221

-0.933  
-0.326

-47.028

-0.475  
-0.435

-32.865

15.4  
18.9

57.9  
57.9

37.6  
37.6

133  
35

R.A.	19.150
DEC.	-58.100
R.A.	68.510
DEC.	-248.700
1. DISTANCE	523.400
1. MODULUS	30.300
1. VEL.	0.323
91 (U)	-0.435
92 (U)	-0.840
93 (U)	568.462
DU	4.367
U	0.337
1 (U)	0.883
1 (U)	-0.337

1 (U)  
1 (U)

0.337  
0.883  
-0.337

181480  
19 18.7  
5517  
1425

-3.7  
-26 16 7.27+14 12.5

2082  
1925  
2192  
2556  
3355  
4259  
5250  
6250  
7250  
8250  
9250  
10250

2082  
1925  
2192  
2556  
3355  
4259  
5250  
6250  
7250  
8250  
9250  
10250

1000  
2000  
3000  
4000  
5000  
6000  
7000  
8000  
9000  
10000

10000  
9000  
8000  
7000  
6000  
5000  
4000  
3000  
2000  
1000  
0

10000  
9000  
8000  
7000  
6000  
5000  
4000  
3000  
2000  
1000  
0

10000  
9000  
8000  
7000  
6000  
5000  
4000  
3000  
2000  
1000  
0

10000  
9000  
8000  
7000  
6000  
5000  
4000  
3000  
2000  
1000  
0

10000  
9000  
8000  
7000  
6000  
5000  
4000  
3000  
2000  
1000  
0

10000  
9000  
8000  
7000  
6000  
5000  
4000  
3000  
2000  
1000  
0

10000  
9000  
8000  
7000  
6000  
5000  
4000  
3000  
2000  
1000  
0

Low

High

181480  
19 18.7  
5517  
1425

2082  
1925  
2192  
2556  
3355  
4259  
5250  
6250  
7250  
8250  
9250  
10250

2082  
1925  
2192  
2556  
3355  
4259  
5250  
6250  
7250  
8250  
9250  
10250

1000  
2000  
3000  
4000  
5000  
6000  
7000  
8000  
9000  
10000

10000  
9000  
8000  
7000  
6000  
5000  
4000  
3000  
2000  
1000  
0

10000  
9000  
8000  
7000  
6000  
5000  
4000  
3000  
2000  
1000  
0

10000  
9000  
8000  
7000  
6000  
5000  
4000  
3000  
2000  
1000  
0

10000  
9000  
8000  
7000  
6000  
5000  
4000  
3000  
2000  
1000  
0

10000  
9000  
8000  
7000  
6000  
5000  
4000  
3000  
2000  
1000  
0

10000  
9000  
8000  
7000  
6000  
5000  
4000  
3000  
2000  
1000  
0

10000  
9000  
8000  
7000  
6000  
5000  
4000  
3000  
2000  
1000  
0

Low

High

1304

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

P1 (U) :  
P2 (U) :  
P3 (U) :  
DU :  
U :  
0.000  
0.000  
0.000  
-0.282  
0.000

P1 (U) :  
P2 (U) :  
P3 (U) :  
DU :  
U :  
0.000  
0.000  
0.198  
0.314  
0.428

P1 (U) :  
P2 (U) :



R.A. : 19.300  
DEC. : -26.250  
I. R.A. : 0.000  
I. DEC. : 0.000  
STANCE : 0.000  
MODULUS : 10  
D. VEL. : 0.000

q1 (U) : 0.354  
q2 (U) : 0.000  
q3 (U) : -0.932  
dU : 0.000  
U : 0.000

q1 (V) : 0.314  
q2 (V) : 0.928  
q3 (V) : 0.199  
dV : 0.000  
V : 0.000

q1 (W) :  
q2 (W) :



MEMO: -002803

.A. : 19.300  
EC. : -26.250  
.A. : -12.300  
EC. : -36.000  
NCE : 7.390  
LUS : 301  
EL. : -2.900

(U) : 0.354  
(U) : 0.080  
(U) : -0.932  
dU : -32.134  
U : -6.958

(V) : 0.314  
(V) : 0.928  
(V) : 0.199  
dV : -174.832  
V : -53.133

(W) : -0.881  
(W) : 0.363  
(W) : -0.304  
dW : -15.922  
W : -3.905

134

RECEIVED

19 368  
20 368  
21 368  
22 368  
23 368  
24 368  
25 368  
26 368  
27 368  
28 368  
29 368  
30 368  
31 368  
32 368  
33 368  
34 368  
35 368  
36 368  
37 368  
38 368  
39 368  
40 368  
41 368  
42 368  
43 368  
44 368  
45 368  
46 368  
47 368  
48 368  
49 368  
50 368  
51 368  
52 368  
53 368  
54 368  
55 368  
56 368  
57 368  
58 368  
59 368  
60 368  
61 368  
62 368  
63 368  
64 368  
65 368  
66 368  
67 368  
68 368  
69 368  
70 368  
71 368  
72 368  
73 368  
74 368  
75 368  
76 368  
77 368  
78 368  
79 368  
80 368  
81 368  
82 368  
83 368  
84 368  
85 368  
86 368  
87 368  
88 368  
89 368  
90 368  
91 368  
92 368  
93 368  
94 368  
95 368  
96 368  
97 368  
98 368  
99 368  
100 368

DEC.  
F.A.  
DEC.  
ANCE  
ALLS  
YEL.

CU  
TU  
TU  
TU  
TU

14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100

11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100

R.A. : 19.300  
DEC. : -26.250  
R.A. : -13.910  
DEC. : -38.710  
ANCE : 7.500  
ULUS : 316  
VEL. : -2.900

1 (U) : 0.354  
2 (U) : 0.080  
3 (U) : -0.932  
dU : -35.584  
U : -8.551

1 (V) : 0.314  
2 (V) : 0.928  
3 (V) : 0.199  
dV : -188.987  
V : -60.314

11 (W) : 188.987  
12 (W) : -0.881  
13 (W) : 0

134

455 249

19 W. 2 + 37 y3

100 1000

13.18

135

80708

(1952)

640 815 103

57.7 13015 d

181889  
p1305d

19

15.7 -20

112 - 1005

PRIME CNR  
6405  
10405

KNIB

1097

0003251 -096273

+0010

42773 24

1700 39

Cart & Thompson

787

✓ 6.57 - 6.04 59d

7310

4114 4078

13.22

APM

35494

60500 5015

2426

10017-106  
401-109  
1008-109

1010-106  
478.5  
109

782

16.14

1005  
127 96  
1004

72

6826  
-1403

6285  
-5817

1004  
1004

127 96



0084

56

5.16  
-3.07

42  
-56  
24

136

R.A. : 19.000  
DEC. : -20.000  
PM. R.A. : 8.500  
PM. DEC. : -100.000  
DISTANCE : 4.500  
MODULUS : 70  
RAD. VEL. : -15.700

d1 (U) : 0.324  
d2 (U) : 0.100  
d3 (U) : -0.250  
d4 : -20.700  
U : 0.821

d1 (U) : 0.314  
d2 (U) : 0.000  
d3 (U) : 0.200  
d4 : -452.753  
U : -30.844

R.A. : 19.300  
DEC. : -20.750  
PM. R.A. : 8.500  
PM. DEC. : -109.000  
DISTANCE : 4.500 LGS  
MODULUS : 79  
RAD. VEL. : -12.700

q1 (U) : 0.354  
q2 (U) : 0.169  
q3 (U) : -0.920  
dU : -73.765  
U : 5.821

q1 (V) : 0.314  
q2 (V) : 0.905  
q3 (V) : 0.287  
dV : -455.723  
V : -39.844

q1 (W)



R.A. : 19.300  
DEC. : -20.800  
R.A. : 5.200  
DEC. : -105.090  
DISTANCE : 5.700  
MODULUS : 138  
VELOCITY : -12.700

1 (U) : 0.354  
2 (U) : 0.168  
3 (U) : -0.920  
dU : -75.428  
U : 1.271

1 (V) : 0.314  
2 (V) : 0.905  
3 (V) : 0.286  
dV : -443.673  
V : -64.879

1 (W) : -0.881  
2 (W) : 0.390  
3 (W) : -0.268  
dW : -214.773  
W : -26.241

03

13/10

~~560~~

22

Output

1207  
1207

24

20

19 14.7 91

508181

208010-44.5

04.11

658

294

14.9

12.1

14286

-110  
+3 -566 →  
8.4

8.3

+3  
-566  
→

BSA

DEC. : -20.100  
 PM. R.A. : 5.290  
 PM. DEC. : -105.090  
 DISTANCE : 5.800  
 MODULUS : 145  
 RAD. VEL. : -12.700

q1 (U) : 0.35  
 q2 (U) : 0.16  
 q3 (U) : -0.92  
 dU : -75.68  
 U : 0.74

q1 (V) : 0.31  
 q2 (V) : 0.90  
 q3 (V) : 0.20  
 dV : -443.40  
 V : -67.70

q1 (W) : -0.80  
 q2 (W) : 0.30  
 q3 (W) : -0.20  
 dW : -215.20  
 W : -27.70

137



42-7-38

DEC. : -12.758  
R.A. : -192.188  
DEC. : -212.688  
TANCE : 2.458  
DOLLAR : 38  
VAL. : 0.880

PI (W) : 108.0  
PS (W) : 0.301  
PA (W) : 0.303  
DU : -0.984  
U : -830.190  
-58.913

PI (W) : 0.323  
PS (W) : 0.843  
PA (W) : 0.401  
DU : -192.188  
U : -52.778

PI (W) : 0.388  
PS (W) : 0.432  
PA (W) : 0.148  
DU : -118.895  
U : -2.252

130

R.A. : 19.050  
DEC. : -11.950  
R.A. : -182.000  
DEC. : -415.000  
DISTANCE : 2.420  
MODULUS : 30  
VEL. : 0.000

q1 (U) : 0.301  
q2 (U) : 0.303  
q3 (U) : -0.904  
dU : -850.190  
U : -25.913

q1 (V) : 0.352  
q2 (V) : 0.846  
q3 (V) : 0.401  
dV : % -1961.030  
V : -59.770

q1 (W) : -0.886  
q2 (W) : 0.439  
q3 (W) : -0.148  
dW : -115.662  
W : -3.525

30