

12544

J14

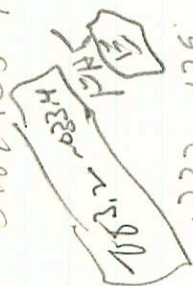
Wyzna

8 533 +40 24 9F3

GCT

24
±3.5

589 +35 +055 2549



1761

1289

[2.2] 2.2 1 6

[5] 664 10/12

1232 119.1710 2506 2.659 (3) CT

4.46 +39 -168 -7 . e0071 125.9

+2 -2 -3 -050

1216

48198 0121 7390
 4635 0120 6737
 3285 0120 5222

6318 -9154
 6737 -8571

12544

64



2. 2. 2.

2. 2.

B

3545.000*

8.000*

53.300*

43.000*

24.000*

-3.084*

-3.044*

3.900*

63.256

25.900

3.25
562

4.4

3.261

3.762

134 35.439

76

-3.189

-3.024

-11 -11.992

64

-3.314

3.647

-1 -2.152

93
47.7

65

10	0.000	W
09	0.000	W
08	0.000	W
07	0.000	W
06	0.000	W
05	0.000	W
04	0.000	W
03	0.000	W
02	0.000	W
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07	0.000	W
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05	0.000	W
04	0.000	W
03	0.000	W
02	0.000	W
01	0.000	W

10

R.A. : 9.250
DEC. : 35.550
R.A. : 0.000
DEC. : 0.000
DISTANCE : 0.000
MODULUS : 10
VEL. : 0.000

q1 (U) : -0.700
q2 (U) : 0.088
q3 (U) : 0.708
MP : 0.000
M : 0.000

q1 (V) : 0.014
q2 (V) : 0.994
q3 (V) : -0.110
MP : 0.000
M : 0.000

q1 (W) : 0.714
q2 (W) : 0.067
q3 (W) : 0.697
MP : 0.000
M : 0.000



3828

9 343 -24 19

7445

8326)

W1769

255 158 514 465

1978 2661 +376

655

6.53 181 898

4.04 7327

1091 +058

136 85

124058

8407 - 8447 1370 1357
5415 4386 1022 8449

W1769
501410
W1769
130 444 228 (728) 3.50

3.78
4.11

181
W1769
13.0

W1769
13.0

bb

1911
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2099
2100

R.A. :	9.550
DEC. :	-24.300
M. R.A. :	-136.000
M. DEC. :	58.000
DISTANCE :	3.840
MODULUS :	59
D. VEL. :	24.500
q1 (U) :	-0.739
(U) :	0.634
	0.228
	570

50303

54-22-25-2

4024

10

134

+25

34

402

DA021 + 30900

9 739

0825-024

12 0541832

171 48857 96

14021 - 4110

S.38

610 156 119

5801 2882

159 1083

4838

signed 4105-214 4/10/10

✓ 15318 9471 ✓
✓ 1448 9181 ✓
✓ 1881-9527 ✓

✓ 1881-9527 ✓
✓ 0514 0514 ✓
✓ 1400 + 2 ✓

15 = 0904 ✓

✓ 1050' = 57

✓ 1011

4854

141

4874

2532

6800 / 1260
6800 + 6800
8502 - 9800
5544 - 1486

6721
6039

mean velocity 60285 and may be variable

-0056 ± 2.1 -030 ± 2.0

-0071 -034

24.272 36 030 32.17 1.6

-0065
-0066
-024
1.54

314
588
-0062
-026
38.62

7064 -8245 3232 40.59
-0061 -0293 -2

24.304
+15
324
-0449
37.30

-0845 -024

36.57 58.59

AD 24.217
+22
232

24.197 36.82
+15
202
+11
36.93

24.124 32.11

36.40
70.34

7.23
1.99
-14
36.97

88960 10 13.4 +29 34 5.4 Aom +16.4

14056
6468

-084 +022

07# -028 G-L
0817 075W DR
0949 ~~0775~~
+215 -0076
0106
7.87

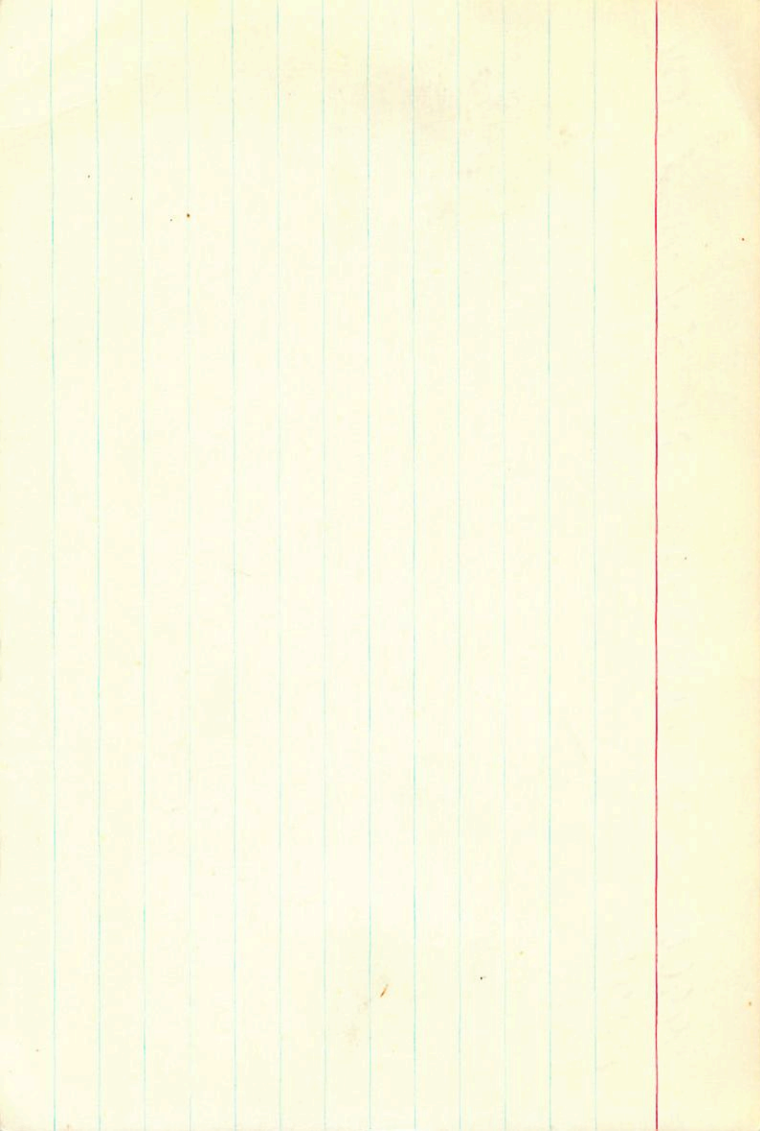
✓ \$502
✓ \$214
9901
-1916

56 mo.
1054-018
-070-018
-075.4-022.9
P1P3 Smp

Le Oh

-812 +260 +521 +2848 -0342 +2506 +140 +8.5 = +22.5
+186 +964 -191 -0652 -1279 -1931 -10.8 -3.1 -13.9
+553 +059 +831 -1940 -0078 -2018 -113 +136 +2.3

29.85
29.86
-112.5 -19.5 +26.0 +27
-13.5 -3.1 -16.6 -17
-141 +136 -0.5 -1
66 mo.



1027

848

10

134

29

34

404

404

404

404

404

404

88588

18081

→

52

+10

156

1085

2882

2882

2882

(51)

303

649

316

61=9

141

1085

n=67

101

10000

1164

141

141

1045

100.5

29.6

10000

10000

10000

10000

10000

10000

10000

10000

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10000

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10000

10000

10000

10000

10000

10000

96.6
22
11
233

9

M :

1.57

Q :

1.58

d3 (M) :

0.852

d3 (M) :

0.891

d1 (M) :

0.292

U :

1.30

Q :

1.171

d3 (U) :

0.163

d3 (U) :

0.892

d1 (U) :

0.158

U :

38.302

Q :

382.168

d3 (Q) :

0.201

d3 (Q) :

0.521

d1 (Q) :

0.808

NET :

38.300

MODALUS :

61

STANCE :

4.800

DEC :

35.800

B'A :

89.900

DEC :

38.200

B'A :

19.300

Handwritten signature



q1	(M)	0.562
q2	(M)	0.061
q3	(M)	0.825
MP		-229.955
M		-1.747

M, 35

q1	(V)	0.178
q2	(V)	0.965
q3	(V)	-0.192
DU		-171.349
V		-20.094

q1	(U)	-0.808
q2	(U)	0.254
q3	(U)	0.531
DU		295.198
U		39.305

R.A.	10.200
DEC.	29.600
R.A.	-96.600
DEC.	-22.000
STANCE	4.800
MODULUS	91
VEL.	23.300

79

1103
2.873 164 1.136 020 158 140 2873+015

2.44 21 1.536 -31
2.44 21 1.536 -31

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2.44 21 1.536 -31

1446-895 685 729 163-044 +153-030+13-152
073 013 146 027 215 253 +133 -12 +6

-3 +36 +7

025

+35-11-1

-1 +44 +5

02

+11-16-1

-5 +31 +5

03

+31-10 +3

89

18.300 : (U) 1p

18.300 : (U) 2p

18.300 : (U) 3p

18.300 : (U) 4p

18.300 : (U) 5p

18.300 : (U) 6p

18.300 : (U) 7p

18.300 : (U) 8p

18.300 : (U) 9p

18.300 : (U) 10p

18.300 : (U) 11p

18.300 : (U) 12p

18.300 : (U) 13p

18.300 : (U) 14p

18.300 : (U) 15p

18.300 : (U) 16p

Handwritten initials

q1 (U) : -0.812
q2 (U) : 0.130
q3 (U) : 0.568
dU : 608.709
U : 42.202

q1 (V) : 0.186
q2 (V) : 0.982
q3 (V) : 0.042
dV : -321.519
V : -16.036

q1 (W) : 0.553
q2 (W) : -0.139
q3 (W) : 0.822
dW : -404.916
W : -6.117

68

11

222
606
147
448

69

1	(M)	0.534
2	(M)	0.506
3	(M)	0.677
MP		-114.570
M		-3.638
1	(U)	0.203
2	(U)	0.701
3	(U)	-0.684
DU		-32.127
U		-20.418
1	(U)	-0.821
2	(U)	0.503
3	(U)	0.272
DU		204.485
U		39.352
1	A.A.	10.350
2	REC.	-3.800
3	A.A.	-49.800
4	REC.	4.700
5	RANCE	6.060
6	PLUS	163
7	VEL.	22.200

69

Conway
124 182 - 969

4330 Top 11 06.5 467 29

46707 609 010301 - 582
6.09 + 0.20 + 0.1223E + 4.76 40

123 189 544 -
124 175 981
124 197 960 -
205 937

Yuan

$$\Delta T_{mD} = 24$$
$$\Delta L_{cD} = \frac{137}{161}$$

4.75
+1.35

-4 0 ± 3.5
-0.155 -0.255 66 +
72

57 45.80
609.7

+106 3816

-0.554
-0.892
~~-0.885~~ -0.25

-0.89-0.25

70





124182 969 2.775

-0148 ± 4.1 -028 ± 4.2
-161 -031

96707 11 06.5 +67 29 6.1 A5

15332

6857 30.911 1897.5 54.54 1897.8

4220 64540
31.688

1.46

56.00

54.67

80 1945.29 24.7

24.7

-15

54.52

01545 -0225

921 01545 -0225

767 01549

-0889

0895 -0225

46 to 0 48 pint

5745 2.775
005 9.6 / 100

481 20

23225

22.9 410

5728 - 9224 091
5220 0000
0170
0170
5.61

495 - 1.244
0 = 10.5



-0149-022

4330

11 065

767 29

AS

96707

-0149±4.1

-025±4.2

15332-86

30.911 97.5

-0160

-031 54.14 975

31.688

-015

1.46

45.20

30.514

+7
921

-0153 -0303

5467
-15
5452

Results

OR

9728 -9628 +0004 30.977

57.15

54.15

2317 -2702 +0.15

+7
994

-0188

54.07

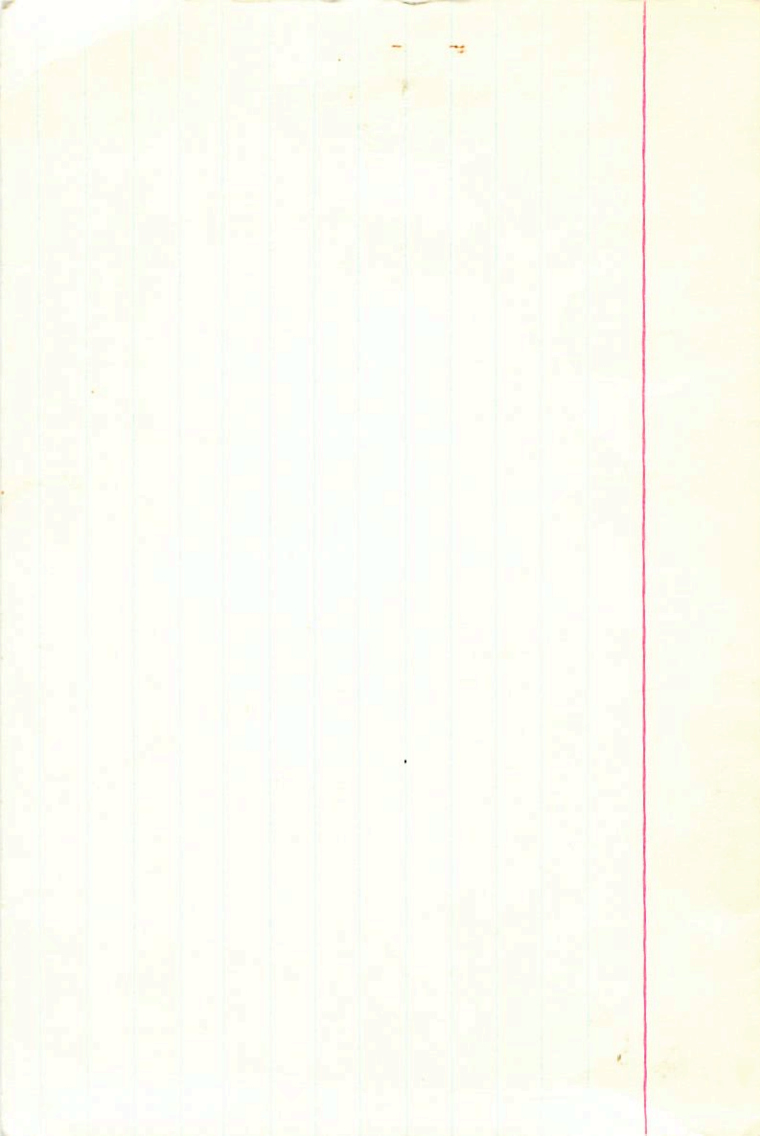
0104

-0188

41.61

-0191-026

10.5



125-552

647 763 -080+021 +9 -014 -6 026

079 002 089 074 ~~412~~ ~~418~~ +6.8 -7 +1 01

-014 431

-8 +44 +2

-832 +423 -245 +2645 40401 3046 305 -2.2

+40-21 +1

+366 +234 -901 = 1110 40222 -888 -88 #8.1

-8 +37 0

012

BD 640 054 196 1.038 2873

+33 -20 +1

-8 +49 +3

009

(788)

6.11
5.354
4.114

205

+74 -23 0

1935.00

.35 .055 1832.9 } c.c. r = .3964
.55 .094 1788.5 } c.c. = .3925

-8 +42 +1

0105

P0 = 22.068, 11.054

ΔM2 = -0.013

+37 -21 0

P25A = 20.08, 4.04

ΔM2 = +0.004

(4410)

99564 11 24.6 -12 05 6.0 d1F4 +5.76

15714

6980
h
3
3
6

-0068 35 +012 N30

-0071 #1.7

+018 #1.7 GC → M30

302-227 368

5.81 +0.50
COP

8.83
10.3
+0.5

5.94 008 171.5
5.5
5.5
111
2.0
2.0
2.0

Bill + 23

Bill + 23
Bill + 23
Bill + 23
Bill + 23

-00704 +0101 F14 Suppl

-1032

-101 #114

9787 -9856
2277 1660

10000
10000
+1.4 10000

38138
38.94
38.94
32.91

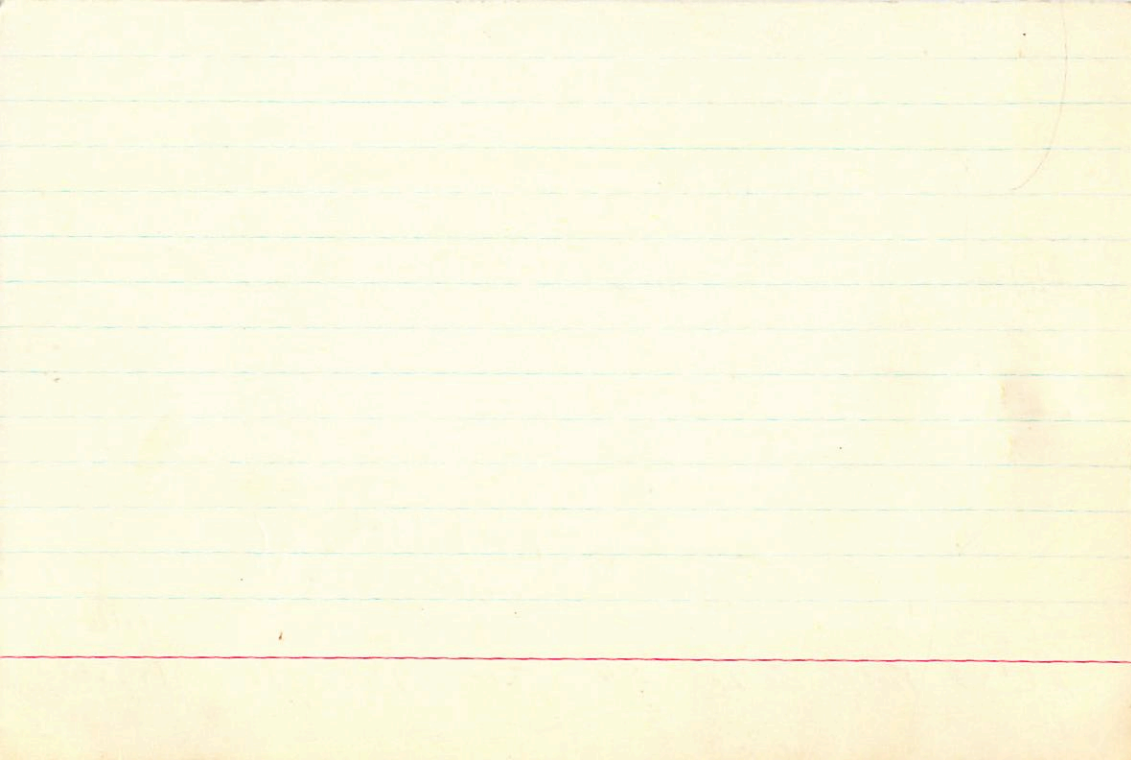
-0633

0104
4.77

14.91/77
-2
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38.109
10.75
53.94

1035
4129



95564

4.17 5.44 308 171 520 2.65
2243 468

11 24.6 -12 04 dFY

HR4416

5.53 7.59 8.91 4.82

GL15714

5.53 + 49(-2) C

4.2
5.2

16/12/64

3.95 (374 168 531 7646) x310

+5.76

1321 1164 .545 2.627 3, 11, 1, 4
326

130

[22] 222 +13

[5] 481 153
166

2.80

+16.3 -8.4 +0.6

-21
-00695 +0.50
00 716 43
00 354
10 94
±1.5

+453 -122 -98

+2.0 1.95

-1050

-2.0 18.1
+2.0 18.1

-103-1019

9545-3
HRR 4/13

- 3
43035

474

599

1098
945
HRR 01

855
815
8

766
963
905
105

2
7
3
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22



4415.000*

11.000*

13/5/14

11 12.6 -33 03 644

97820

-320594

698 243 157 585
229 230 484

664562

255 282 552

26572 145 951 542 202

10114

1530537

6910 1086 1951 2673 -220

1504 4051

0172

382

484

३३

R.A. : 11.500
DEC. : -33.450
PM. R.A. : 0.000
PM. DEC. : 0.000
DISTANCE : 0.000
MODULUS : 10
AD. VEL. : 0.000

P1 (U) : -0.858
P2 (U) : 3.452
P3 (U) : -0.187
U : 0.000
V : 0.000

P1 (U) : 0.338
P2 (U) : 0.318
P3 (U) : -0.888
U : 0.000
V : 0.000

R.A.	:	11.200
DEC.	:	-33.050
PM. R.A.	:	0.000
PM. DEC.	:	0.000
DISTANCE	:	0.000
MODULUS	:	10
RD. VEL.	:	0.000

q1 (U)	:	-0.868
q2 (U)	:	0.469
q3 (U)	:	-0.167
dU	:	0.000
U	:	0.000

q1 (V)	:	0.338
q2 (V)	:	0.310
q3 (V)	:	-0.000
dV	:	0.000

5.15 - 012 122 785 2810

(015)

1651 - 005 = 6.1

3

M
M



11.688
-61.600
-138.500
12.000
4.950
98
3.700

-0.875
0.252
-0.414
287.519
26.567

0.396
-0.118
-0.910
-138.493
-16.121

0.278
0.961
-0.884
-32.178
-3.159

20

(116) [888]

615
6105

4487 Sj. 11 35 14
8.15 -014 124 887 26813
-010 114 887 28028 2

101189 3 ↓ 5.14 -02 - C

2.802^s
2994
092
73.76 80

010 114 887
117 889
222
1118

57 -15 ±35
-00945 +005 62+

80888 6035
12 6034

-0636 5.0 ✓

Proof

+008

1000 -9719 } 0702
-011 } 2356 } 0077

-0098 1009
-000 1009

800
-002-1005

75



4487.000*

11.000*

35.300*

-61.000*

-32.000*

-0.062*

0.008*

5.300*

4.75
89.1 105

114.815

3.700

0.267

-0.412

22 +27 29.104

-0.120

-0.911

-14 -16 -17.205

-0.046

-0.003

~~25~~
-4 -5 -5.301

4543

11 48.4 +12 34 A3

162910

+2.50
2.50

16219

6.42 +28 +08 E96

Field sum

160 214 734 @ 500

180925 +0032

→ 163 209 734 2074 2.11

180925

11.6 16.48 +1.50 E96

-0099038

6.37 056 1.129
9843 ~9970 7364
1762, 0979 +0123

9303
3603
3103

9993 1340
0390 +0178

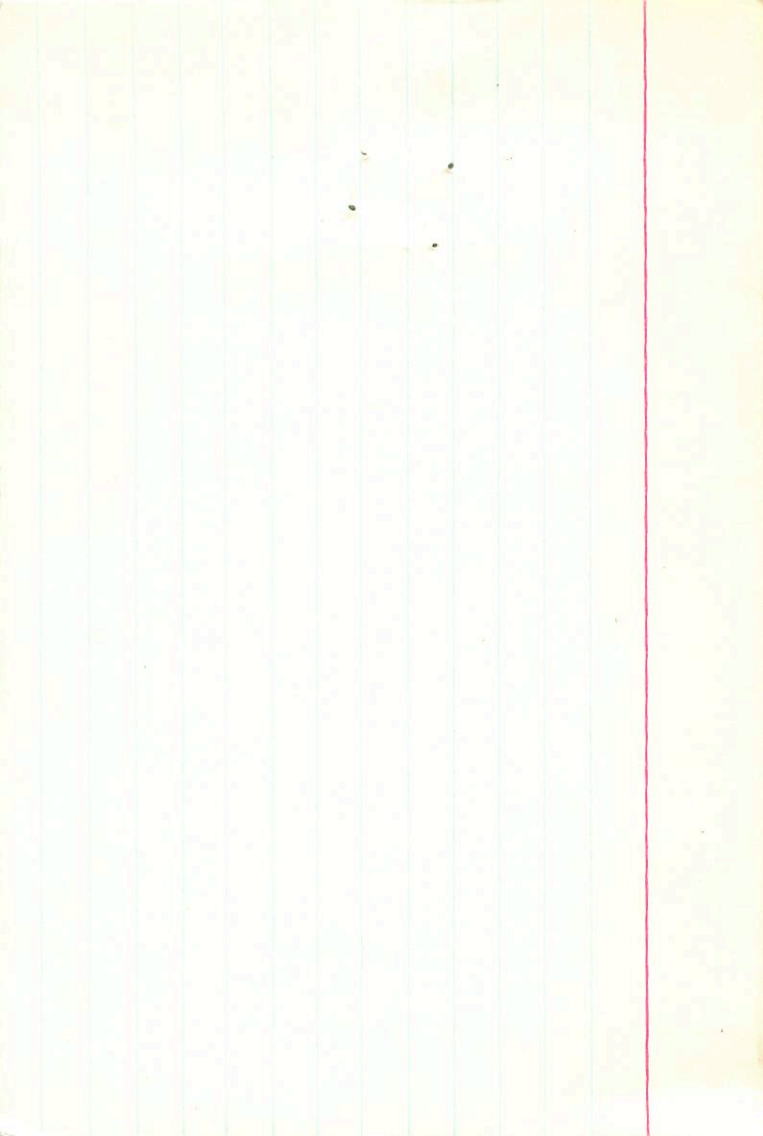
-145 030

1018
23
4.25

748
88
3.88
+6.9

+2.44
+2.00

-137 +23



051-959 218 974 -133 +005 H.9 001 +1 024
~~002~~ ~~0~~ 133 -001 035 638 +6.5 7 0

$$-4 + 45 + 3$$

0.4

$$\boxed{+41 - 20 - 3}$$

0.15

$$-4 + 42 + 3$$

$$\boxed{+35 - 15 - 3}$$

76

VEL : 0.389
DULUS : 0.1
TANCE : 4.250
DEC : 2.000
R.A. : 132.000
DEC : 12.250
R.A. : 11.000

P1 (U) : 0.077
P2 (U) : 0.004
P3 (U) : 0.000
DU : 0.000
P1 (U) : 0.000
P2 (U) : 0.000
P3 (U) : 0.000
DU : 0.000

R.A. : 11.800
DEC. : 12.550
R.A. : -138.000
DEC. : 23.000
DISTANCE : 4.250
MODULUS : 71
VEL. : 6.900

q1 (U) : -0.875
q2 (U) : 0.477
q3 (U) : 0.084
du : 610.683
q1 (V) : 48.815
q2 (V) : 0.839
q3 (V) : -0.342
dv : -179.228
v : -15.045