

1494

10/13/1

11 32.7 - 34 28

56222

1.84

11404

11.0

6.50

4567 11 53.5 -16 52 A02

103632

16319

5.17 -03 -04 254-

-016.117/10272.99x 5.17 -015 135 1.023

(159) 1020

27 118 46 50 -0039 -011

-0118 46 50  
+25  
-----  
-0090

100381  
24  
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100405

-056  
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-054-007

Part 1

119

-265

~~57-5~~

~~27-4~~

44746

115

(2)

2.889 147.125

1026  
240

-----  
1286

$-0037520$   
 $-0124149$   
 $-004$   
 $20.72$   
 $99.1$

$15322$   
 $1034$   
 $1023$   
 $1026$   
 $-0172$   
 $2039$   
 $5346$   
 $20.11$

$22817$   
 $1036$   
 $2039$   
 $5346$

$22904$   
 $1035$   
 $1009$   
 $20.37$   
 $10.66$

$22984$   
 $1035$   
 $1009$   
 $20.41$   
 $45.51$

$22772$   
 $1032$   
 $994$   
 $24.74$   
 $16$   
 $24.51$   
 $28.0$

11.900  
-16.900  
-52.000  
-4.000  
4.600  
83  
15.000

-0.874  
0.450  
-0.183  
197.642  
13.697

0.437  
0.566  
-0.699  
-113.856  
-19.955

0.211  
0.691  
0.691  
-62.869  
5.141

1

2

3

4

5

6

7

8

9

11.900

-16.900

-56.500

-7.000

4.450

83.18

72.62

15.000

-0.874

0.450

-0.183

209.087

115

13.489

0.437

0.566

-0.699

-130.826

21

-20.641

0.211

0.691

0.691

-77.002

44

4.393

✓

7V<sub>m</sub>

104181

11 57.4

+03 56

A0

-2.5a

5.2

16406

7216

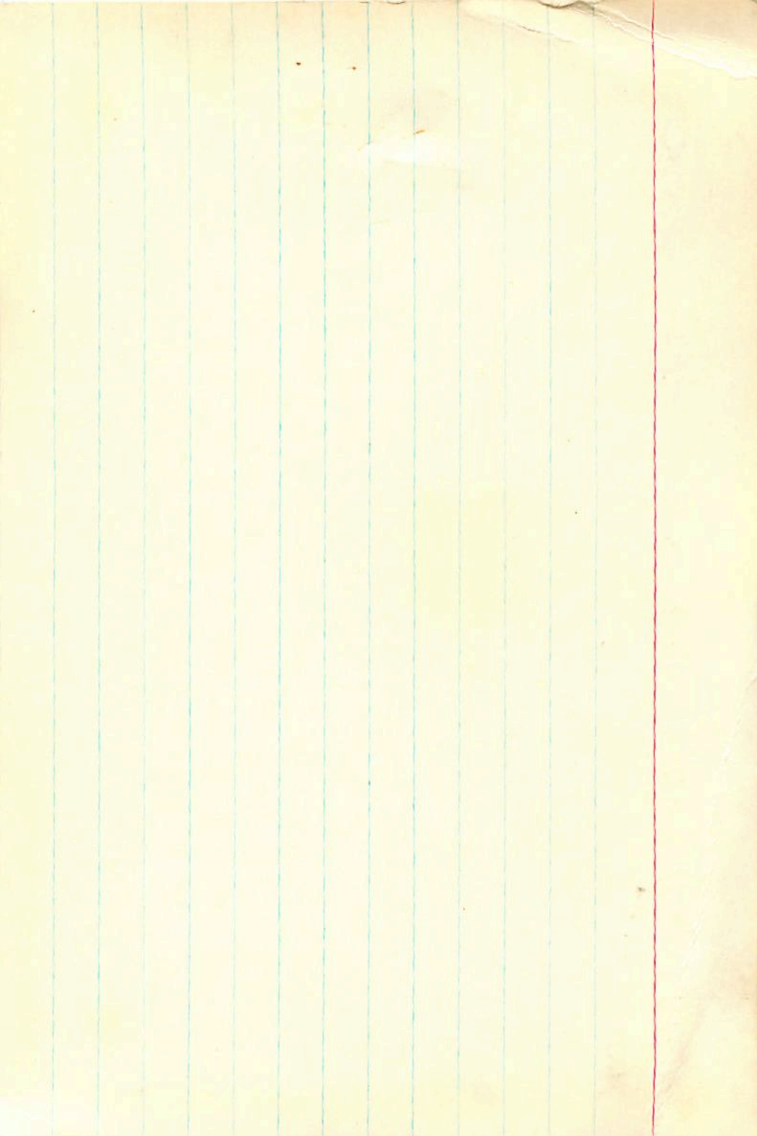
41

-0015

-015 N30

-0013 ±1.3 -012 ±1.2 06 → N30

4586











4585.000\*

11.000\*

57.400\*

3.000\*

57.000\*

-0.021\*

-0.013\*

4.650\*

89.125

-2.500

0.057

-0.024 -2

5.137

-0.092

-0.445 -40

-7.100

-0.044

0.895 80

2

-6.190

59184

4620 12 05.7 -48 24 A I E

105416

16581

5.23 00 -04 C

dp

89

2

FOR 5/1

MINI PAPER

11/15 H

11/15 H

20-17 H

10.01

19.54

5.23

5.34 003 116 1.151 2006 1,024,1

123 1146

234

1150

928

13.84

1387

10

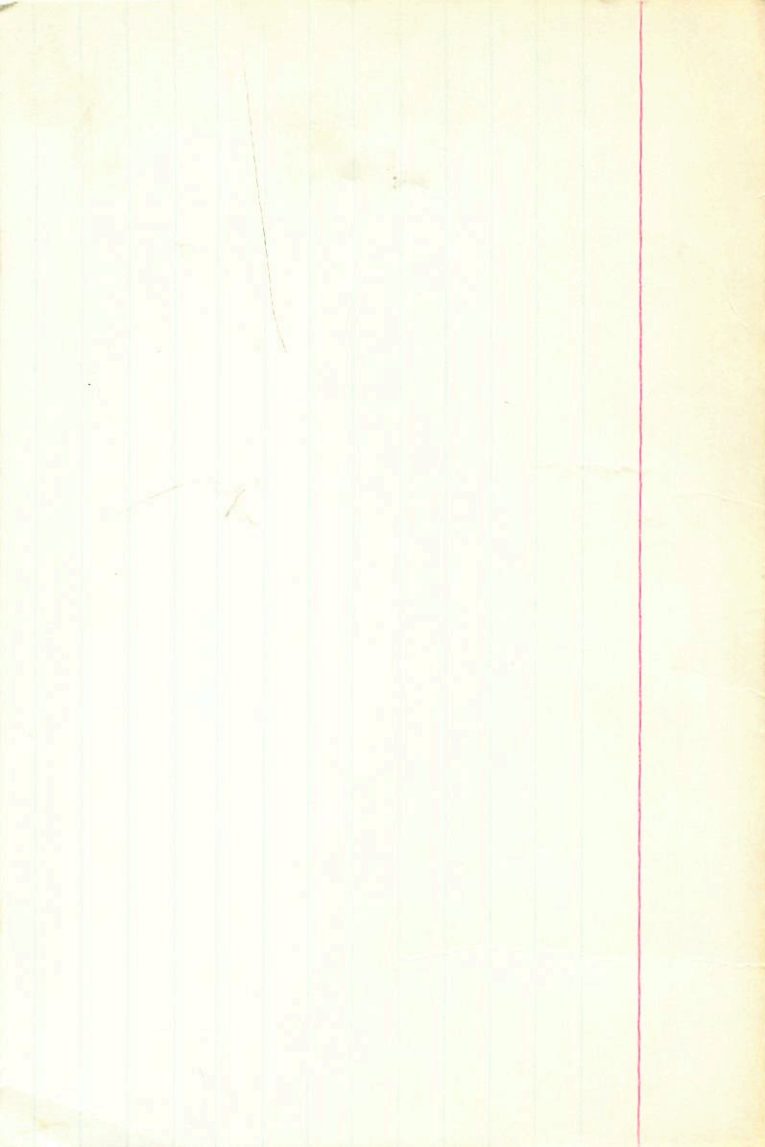
1020

1980

6435

1130

1976



VW 2 - 0095 X

05.5 - 50 22

+16.5

601  
10084 PMS

-0030 - 013

-024 - 013

0339-0084

85 17

-33 80 R9

Q14

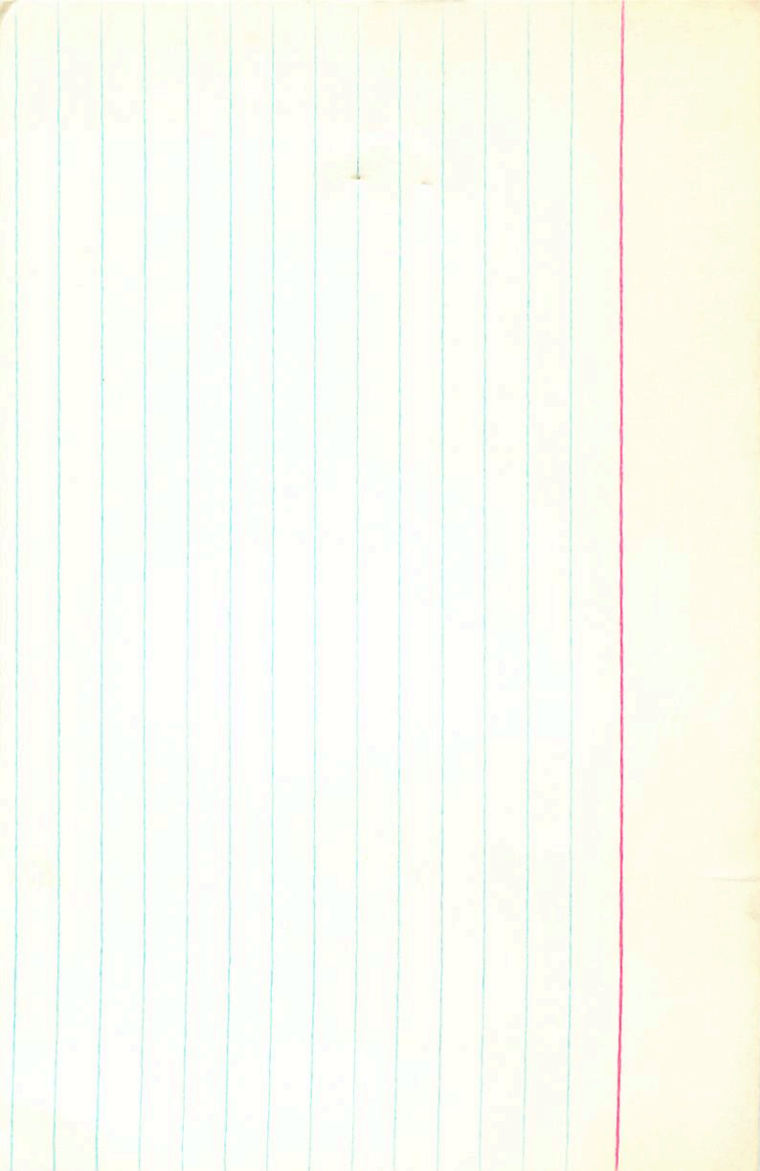
145

6.34 35 191 1.0352.85

201 1028

402

+1





4687 12 16.6 475 27 A1

10743

16747 5.38 -02 -05 891 ✓

69682

HR 3258

GL 1844

8

16.7

+53

44

FD

.174 .205

.704

② SNL

2.750

C+

60379

0059-015

4706

12 20.1 -52 24

884p

107690

048-015

37.73 12.71

0054-020.8mth

1PLU

-0434

-088 059 554 2.78F sta

043022

088 602

176 / 778

varval 12.23 -524

M<sub>v</sub> = -0.55

-50

-00385-0175

8418 9074 0799

-22

5.85

-0036-0109

4824 4202

-5

-0084277

-222723

6.077

109

-1034

020

5601

56

229

1003

118

115

6.005

4380

5576

5786

65

020

-35

5619

6.120

4054

5524

-34

14

136

139

5



12.330  
-57.400  
-80.000  
-22.000  
5.850  
148  
-5.000

-0.864  
0.141  
-0.484  
161.773  
26.347

0.491  
0.020  
-0.871  
-102.470  
-10.802

5

0.113  
0.990  
0.087  
-126.267  
-19.110

10.8  
5.96  
5555

100  
100  
100

10.8  
10.8  
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10.8

10.8	10.8	10.8	10.8	10.8	10.8
10.8	10.8	10.8	10.8	10.8	10.8
10.8	10.8	10.8	10.8	10.8	10.8

43258 6.3  
401

43186  
13  
144

144

43206  
5  
507

41320  
254

4106

34100  
3413

-0032+34 -013+3.0  
3427  
052

34103

34100

34100  
3426

5

-0032 -013

-0037 -018

-0040 -007

-0033 -014

-013

-44

-6

-49.57  
-9

-0031 -014

-0032 -014

-00305 -0108

-00250 -0106

-00244

-00368

-0036-006



9

R.A. : 12.350  
DEC. : -35.000  
M. R.A. : -44.000  
M. DEC. : -6.000  
DISTANCE : 5.700  
MODULUS : 138  
AD. VEL. : -9.000

q1 (U) : -0.863  
q2 (U) : 0.312  
q3 (U) : -0.397  
dU : 138.558  
U : 22.703

q1 (V) : 0.494  
q2 (V) : 0.352  
q3 (V) : -0.795  
dV : -94.332  
V : -5.864

q1 (W) : 0.108  
q2 (W) : 0.882  
q3 (W) : 0.458  
dW : -43.581  
W : -10.137

MNA 77 60813185  
long 50 hupar 0.5 8 5 10.90 0.56  
108500 12 25.3 -4 20 A8M

HR4746  
~~001~~  
6016489 0061-007  
17410 00618-006  
-0924  
[M] 226 -6-  
6.21 +0.43 -10.11 3 4 4 4 1033  
6.20 281 171 45 267400  
.279 .174 .650 2) 500 267333  
274 255 (935) 402

593 172 5.20 1107M  
1067 1006 PRESSUMP  
1067 1006 PRESSUMP  
+40 -16.8 -15 -167  
+4 -2 0/10m -005 -120  
+994 1077 9237  
-089 404  
-086 4016  
445  
42.85 5.12  
-1.5  
45.40



4744

12 85.5

64 04 AD

39  
②

1005 / 03464+

605 5 123 919 28977  
124 918 .1  
348  
1266 .

+9.0

70.9

25.446

-005576.7  
-0053

-04076.9  
-039

1506.0

15023

418

1058

41.91

914

50.76

-1060-034

33.31

1500.7

-00621-0331

18.35

-0407

51.66

23.9925

-040.5 -028.5

52.49

29.531

-34

966  
+14  
984  
-13  
971

9076-836  
413-3476

51.83  
-1.07

081.0-  
080.0-  
080.0-  
080.0-  
78  
080.0-

138.0-  
080.0-  
080.0-  
080.0-  
080.0-  
080.0-

080.0-  
080.0-  
080.0-  
080.0-  
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080.0-  
080.0-

12.400  
-64.100  
-93.000  
-28.500  
4.700  
87  
9.000

-0.861  
0.069  
-0.504  
156.432  
9.089

0.499  
-0.073  
-0.863  
-86.263  
-15.283

0.097  
0.995

$-60$   $-36$   $-18$   $+13$   $157$   $929$   $2885$   
 $+9 \pm 4$   $4C$

108501 12 25.5 -64.04  $-0.03$   $(1.44)^{0.12}$   
 FD450 6.04  $+0.02$   $-0.45$   $-0.40 \pm 6.4$

6016999 29.446 1906.0  $-0.147$   $-0.058$   $-0.028$   $-0.45$   $1.91$   
 $\frac{418}{914}$   $\frac{500}{-0.025 \pm 6.7}$   $52.67$   $1902.3$

WIK

5.549 1636  $-0.097$   $-0.45$   $33.31$   $1930.41$   
 $\frac{23.982}{9.18}$   $\frac{12.4}{-64.1}$   $18.359$   $51.30$

29 + 55 1447.4  
 $\frac{9.18}{9.18}$   $\frac{4.7}{51.3}$   $50.72$



12.400  
-64.100  
-144.000  
-39.000  
4.700  
87  
9.000

-0.861  
0.869  
-0.504  
243.899  
16.707

0.499  
-0.073  
-0.863  
-135.349  
-15.558

0.097  
0.995  
-0.028  
-212.737  
-18.785

8



9

R.A. : 12.450  
 DEC. : -16.250  
 M. R.A. : 0.000  
 M. DEC. : 0.000  
 DISTANCE : 0.000  
 MODULUS : 10  
 D. VEL. : 0.000

q1 (U) : -0.859  
 q2 (U) : 0.417  
 q3 (U) : -0.298  
 dU : 0.000  
 U : 0.000

q1 (V) : 0.505  
 q2 (V) : 0.593  
 q3 (V) : -0.627  
 dV : 0.000  
 V : 0.000

q1 (W) : 0.085  
 q2 (W) : 0.689  
 q3 (W) : 0.720  
 dW : 0.000  
 W : 0.000

LD

21 Com Sn, Cu

12 29.5 +24 51

4766

-0.5

108945

023 204 1042

2.896

208

1088

2.915

416

+0.19

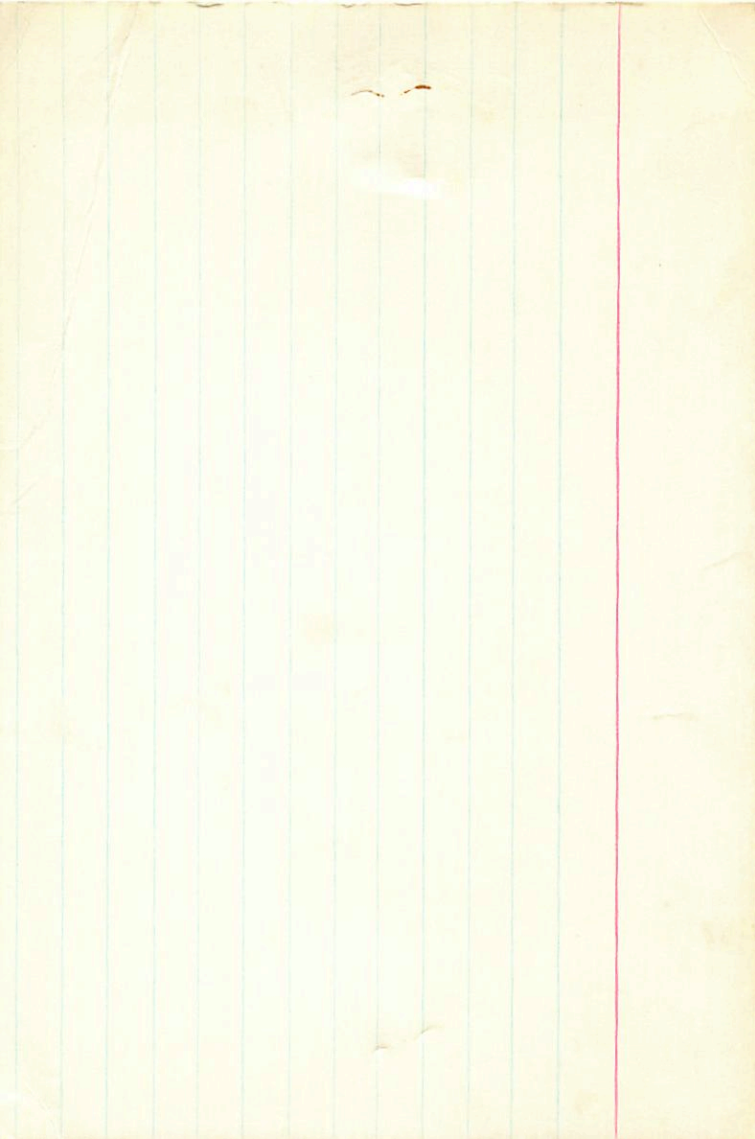
-0.6

~~1.504~~

1.546

G = -1054 336

n = -0.52



234m

109485

12 32.4 +22 54 4.8 A0 -16.08

17142

4.78 -0.03 -0.01 A0 ~~10~~ 10

7528

-0047 <sup>5th</sup> +014 N3 D

-0050 ±2.0 +017 ±1.4 C- → N3 D

15





4.1  
87  
-16.000

-0.857  
0.516  
0.022  
298.093  
25.610

0.511  
0.853  
-0.106  
-53.988  
-3.004

0.074  
0.080  
0.994  
-12.373  
-16.983



11



4789.000\*

12.000\*

32.400\*

22.000\*

55.000\*

-0.066\*

0.016\*

4.650\*

85.114

-16.000

0.307

0.014 +1

25.884

-0.097

-0.101 ~~sp~~

-6.612

-0.014

-0.995 +104

-17.117

11



0.460

12.000\*

32.400\*

22.000\*

55.000\*

-0.065\*

0.019\*

4.600\*

83.176

-16.000

0.310

0.014

25.566

-0.082



61697

4805 12 35.5 13 34 40

109860

17203

15-10

6.32 +01 +01 C

1071

011 140 1.154 2.855 staff  
60

(2)

143

107 146 1150

286  
1152  
1.438

028-a

113=2

1.406

(5)

1.456

-04

5V

2508-1120  
8098

9775

- 9783 | 0308

9118

- 2044 | 0544

2810 2015

31412 001 10021 1/4 40.47 522

$$\frac{102}{517}$$

$$\frac{10033}{10000}$$

$$\frac{10021}{10000}$$

$$\frac{4123}{10000}$$

$$31387$$

$$\frac{101}{904}$$

$$26.41 \quad 315$$

$$\frac{101}{2648}$$

$$31381$$

$$\frac{101}{366}$$

$$26.43 \quad 65.27$$

$$\frac{2623}{10000}$$

4819 12 388 - 88 4

110304 (1192)  
8 Can

787.25 - 1.20

61932

2501 5101

187.24 1.20

9997 6566  
6008 - 3009  
6220

2492.4 2.11  
2492.4 2.11

2

5

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000.0

DEC. : 12.650  
R.A. : -48.700  
DEC. : 0.000  
ANCE : 0.000  
ULUS : 0.000  
VEL. : 10  
          : 0.000

1 (U) :  
2 (U) : -0.849  
3 (U) : 0.158  
dU : -0.504  
U : 0.000  
          : 0.000

1 (V) :  
2 (V) : 0.527  
3 (V) : 0.184  
dV : -0.830  
V : 0.000  
          : 0.000

1 (W) :  
2 (W) : 0.039  
3 (W) : 0.970  
dW : 0.240  
W : 0.000  
          : 0.000

12

4535

12

413

-36

04

AD

-88

6.35-027

119

+880

2006

2532

59

110

985

2006

~~2006~~

~~114~~

1107

novel

$m_V = -0.4$

$V_0 = 6.30$

6.7

1 ~~15.874~~

± 3.1

± 2.3

3.185 96.7

15774 1.6

-0008

-002

"

39

-0001

-003

+0008

-003

3.149

918

over

15814

3.189

54.1 ✓

-25

~~914~~

21.67

15882

31.87

20.46

413

-15

965

3175



61969

14824

12 35.4 + 7 05 89

1882 5101 4.11 1888

110423

17276

5.58 00 - 00 4593

15.00 0.00

$\frac{100}{1001}$

$\frac{156}{156}$  1.013

$\frac{288}{288}$  30

Elb. P. 913

No 550  
25.5

$\frac{312}{1012}$  - 008 = 2

18151

$\frac{1324}{1324}$

+ 034 = 27

- 12

2119 076

13.27 level

979 981 0725  
616 1511 beam  
- 2392

1.0

13.17 265

13



12.650

7.100

0.000

0.000

0.000

10

0.000

-0.849

0.506

-0.152

0.000

0.000

0.577

0.789

0.000

$-0033 \pm 2.9$   
 $-0032$   
 $9550$   
 $2968$   
 $-543$   
 $-5889$   
 $-543$   
 $0470$   
 $0002$

111308 12 45.7 +13 50 6.4 Aom -0.28

17390 6.43 +0.02 0.00 A0E

7670 44.068 1900.6 +13 49 33.39 1844.4

(4867)

$$\frac{163}{237}$$

$$00328 - 039$$

$$44.115 + \frac{11}{126}$$

(36.5)

$$\frac{115}{116}$$

$$44.095 - \frac{103}{103}$$

(-041-025)

$$\frac{2.00}{35.99}$$

$$33.48$$

$$33.46$$

$$33.46$$

$$33.02$$

$$33.48$$

$$33.57$$

$$-7.82$$

$12725$   
 $+13.5$   
 $-47$   
 $-37.5$   
 $578$   
 $-0.2$   
 $7.82$

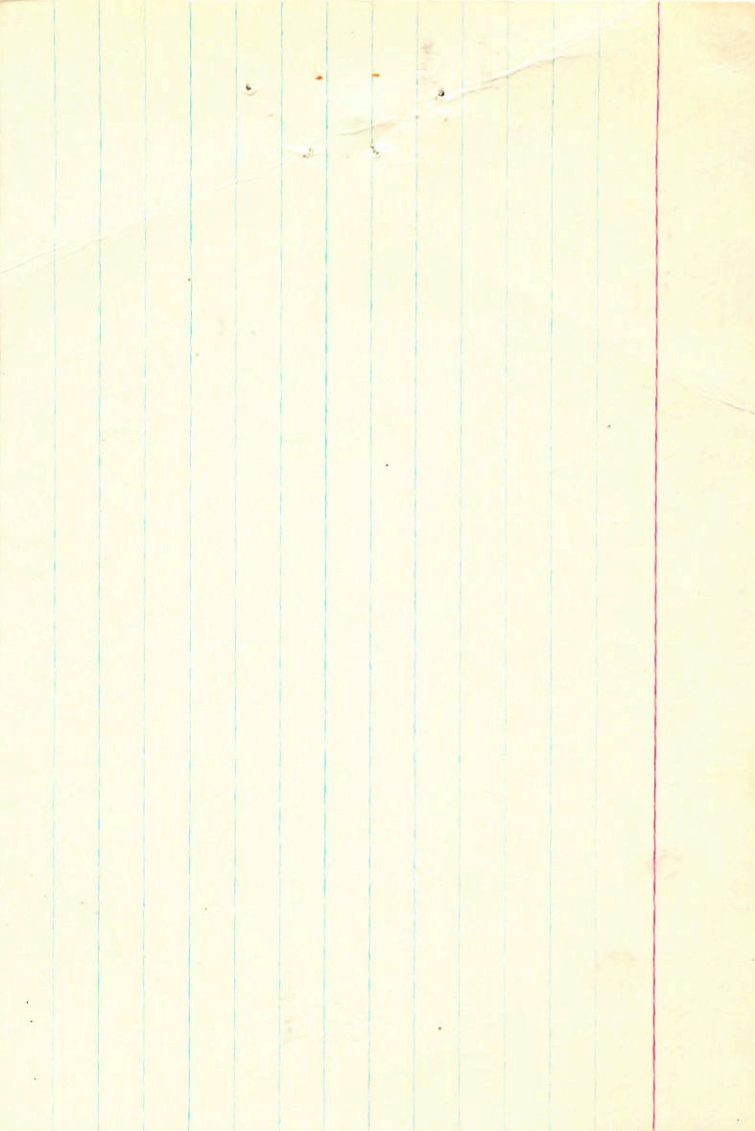
37.4

(43.0)

5120

$-42$   
 $-25$   
 $1794$   
 $5167$   
 $-0.2$

$-15.4$   
 $26.1$   
 $197$   
 $424$   
 $26.2$   
 $26.2$



4861

12 45.7

+13

50

A03

111308

17350

+1.2

6.4

$$\begin{array}{r} -048-033 \\ \hline -046-029 \end{array}$$

~~012 16~~  
~~017 169~~  
 (12)

$1.0 \frac{4}{5} \times 2.784 \text{ at } 31$   
 1046

12.75

+13.4

-47.5

-24

57.5

\$1.2

169

338

1050

1388

1410

126

$a=0.21 \checkmark$

$a=0.48 \checkmark$

163

+0.8

5.64

Part 51

$$\begin{array}{r} -045-037 \\ \hline -0.2 \end{array}$$

14



17

2. 78	R. A.
13. 338	DEC.
43. 848	R. A.
22. 010	DEC.
5. 78	STAN.
130	DOUB.
8. 500	VEL.
8. 843	COX
9. 524	COX
8. 113	COX
100. 283	COX
12. 718	COX
8. 238	COX
8. 218	COX
8. 270	COX
100. 848	COX
12. 282	COX
8. 218	COX
8. 284	COX
8. 218	COX
8. 218	COX
8. 218	COX
8. 218	COX

14

R.A. : 12.750  
DEC. : 13.850  
R.A. : -42.000  
DEC. : -25.000  
DISTANCE : 5.670  
MODULUS : 136  
VEL. : -0.200  
  
q1 (U) : -0.843  
q2 (U) : 0.526  
q3 (U) : -0.113  
dU : 100.603  
U : 13.719  
  
q1 (V) : 0.538  
q2 (V) : 0.818  
q3 (V) : -0.206  
dV : -200.840  
V : -27.302  
  
q1 (W) : 0.016  
q2 (W) : 0.234  
q3 (W) : 0.972  
dW : -30.764  
W : -4.383

111133 12 44.5 +0.6 13 6.4 14 0 +17.1<sup>Q</sup>

+0022 +10  
+0023

-049  
-061

17346

7658 29867 1896.8 +6 13 26.82 1893.4

$\frac{-11.50}{750}$

+22 -45 GC 2000 2.77  
2559

40260 29870 27.7 1930.9

+22 -50

+23 -57 27.42  
27.42

$\frac{18}{830}$

833

+0024 -05 650 73

34.8

29810 +083

27.04 1936.4<sup>33.4</sup>

$\frac{26}{830}$

-27  
26.81

840.2

27.12

2.47

-845 +502 -142  
 +531 +797 ~~324~~  
 + 31 +374 +430

-1342 -1190  
 +0813 -1865

-2532 -1022  
 -0766

-24 -5.5  
 +159

-32 -25  
 0

-480 -194  
 -142

20/12

1/10

487)

12 475

-4871

-6047-010

11775  
4880

12 493 47 49

12

1000 9445

10064 3283

10046 10017

$\Sigma$  Uma Cr

12 51.9 +56 14

4905

-11.0

112185

014 108 1164

2915

~~2868~~

165 1168

040

330

a = -034

1497

-24

1471

111 -6.7

20

15





4905.000\*

12.000\*

51.000\*

56.000\*

14.000\*

0.111\*

-0.006\*

2.000\*

25.119

-7.000