

AD 244

0 50.7 +37 09 -6 C

HO 5115

GC 1060
H 366148

1.247 904 214

+010 -045 GC

2306

AD 501

236

838 233 494
-546 264 754
604 982 -432

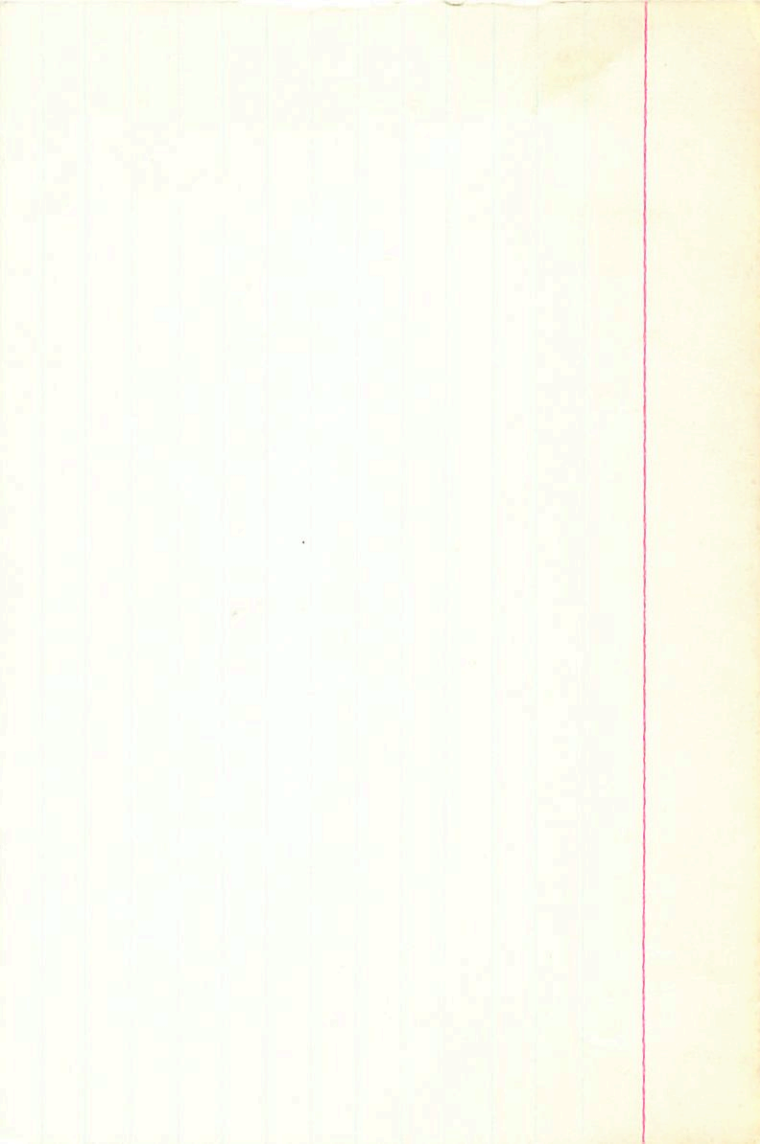
+0397 -0447
-0289 -0776
0000 -2095

-0100
-1035
-2095

-2.4

-4.5

+2.4



AD5733 H0251

FLD-2 -3.6 4

5156 25.96 50.8 -25 03 63 12 -9.4 4

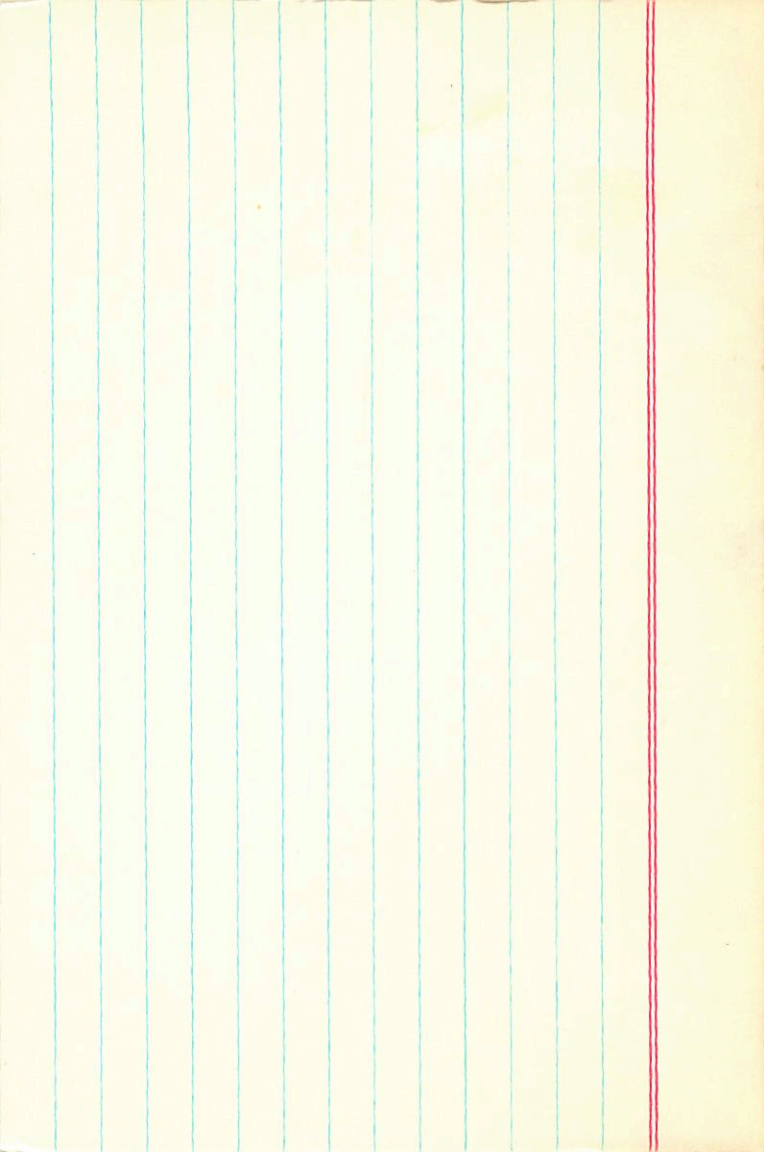
6.6 } 5"
8.5 }

AB 6.44 +0.44 (1.60)

VAR (2.4)

-17.6 (3)

op art?



5710

00 508

+65 10

-135000

502

706 49 402

400 90 402 11

057 402

136

12

30

72

1950
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2023
2024
2025

R.A. :	0.850
DEC. :	65.150
PM. R.A. :	136.000
PM. DEC. :	12.000
DISTANCE :	3.000
MODULUS :	40
VEL. :	-13.400

0.836

5137 0 50.9 $\begin{matrix} -008 & -040 \\ (-10 & -3) \\ \text{cov} \end{matrix}$ +29 13 6.7 K0111 -10.6 D

505

-0003 ± 9.5 -053 ± 7.8
cov -050

GL1071 5-0 54.700 1902.0 +29 13 7.07 1901.9

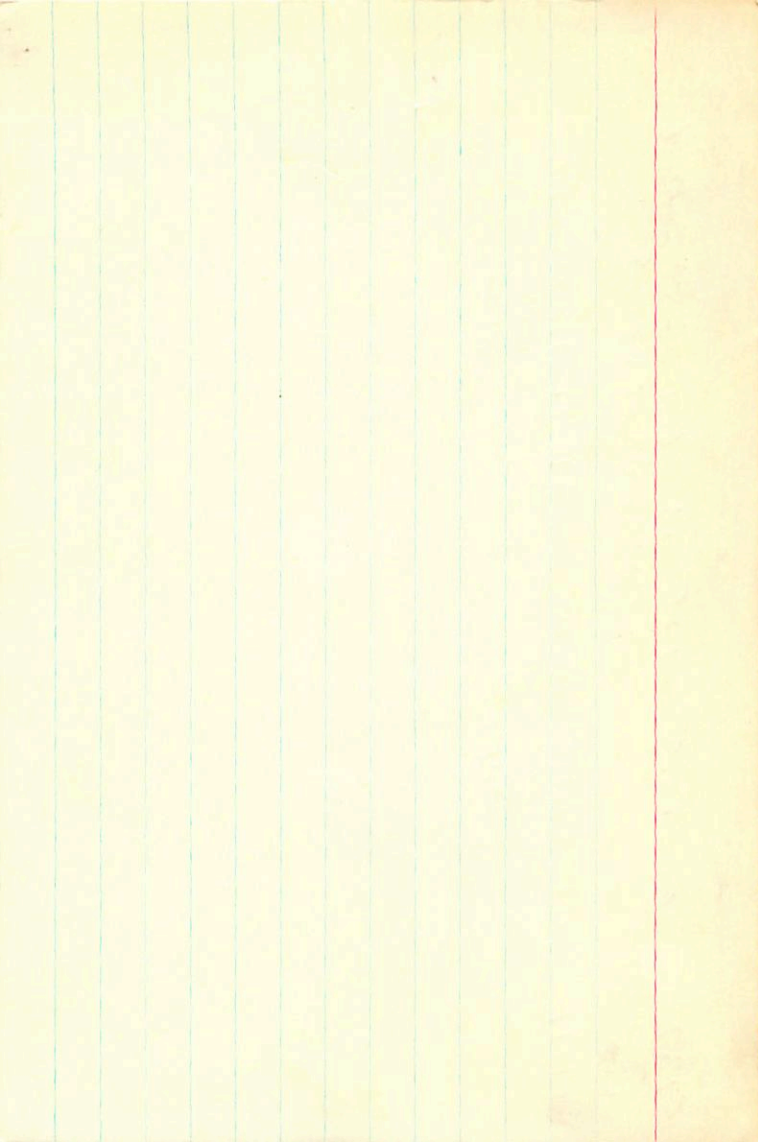
$\frac{014}{714}$

$\frac{255}{9.62}$

$\begin{matrix} 54.723 \\ -11 \\ \hline 712 \end{matrix}$

cov -049

$\begin{matrix} 8.48 & 19 & 27.88 \\ -14 \\ \hline 4.32 & 5 \\ 26 \end{matrix}$
 $\begin{matrix} 1.30 \\ 130 \end{matrix}$



5303

~7519

57.4

0 ~~55.4~~

-74

56

B3P4

+0.03
2407

+0.21
+0.5
0.5
0.0

C512

✓
+12.1 = 47

(6119)

1P₁ = 297

1P₂ = 58

+0625 +025 CPg
- 11 - 3

+0614 +022 G
+0624 +023 →

+0613 +028 T. calc

0618 +0.0255

+243 +022

5243

(20)

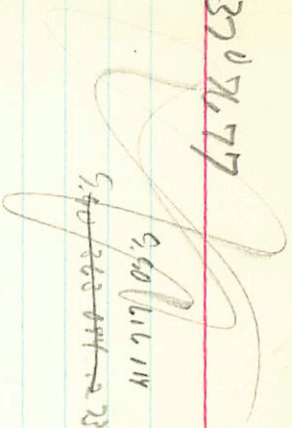
9556
-1857

9874
5851
9110

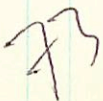
(-4.8)

(29)

-3307677


9.50 6.16.11
~~9.50 200 111 23~~

+150





Handwritten mark resembling a stylized letter 'A' or a signature.

0.850
-74.950
927.000
22.000
5.000
100
0.000

935

0.836
0.375
-0.400
993.423
99.342

+93

-0.548
0.561
-0.620
-566.668
-56.667

-53

0.000
-0.730
-0.675
-68.100
-6.811

-6



459165

WCAO
6235

~~6235~~

00 51.9 +58 1T S -39C

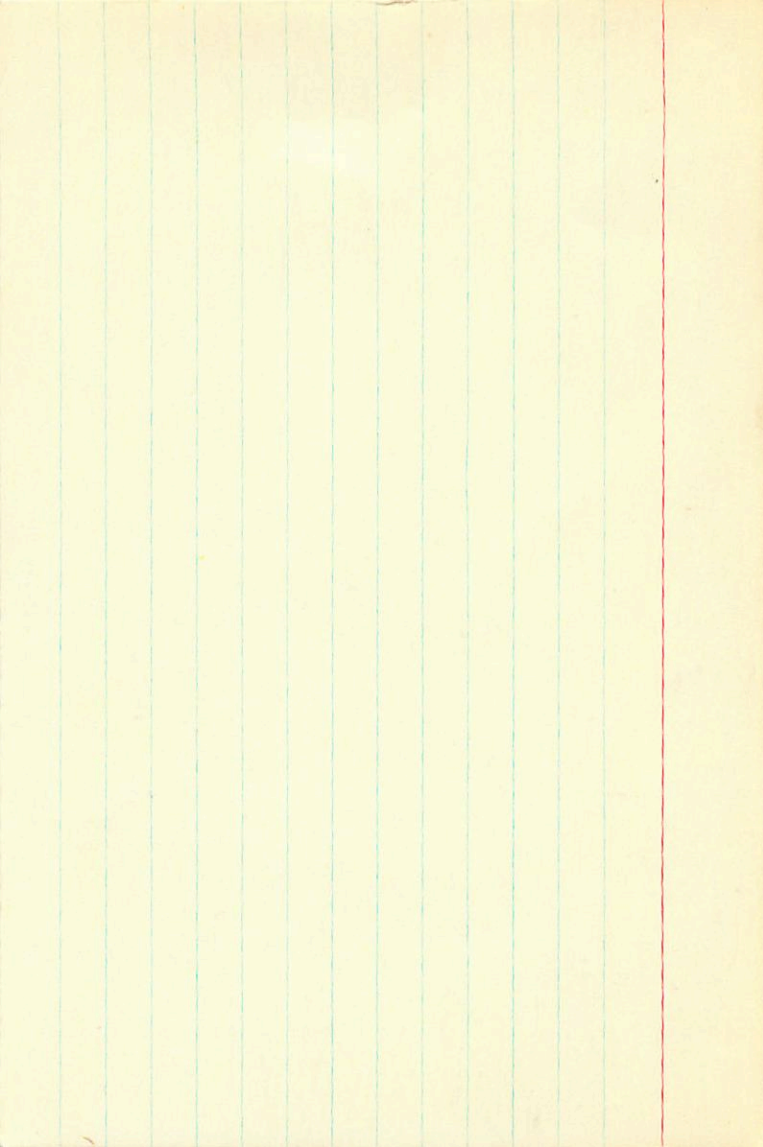
Canon

-39
-44

835 032 551

-550 074 831

013 996 -080



14m 13.11
13m 9.11

AB5748

52

26600 0 52.0 2 + 58 42 9.12 - 23.00

5234

511

GC1086

-0048 ± 2.1
-0041

4.73 4.118 K2III A

52- 1.034

1992.5

+ 58

42

8.96

1995.0

0.15

242
1.276

2.20
11.16

50 32.17

1 28.775

52 0.945

1.155

1.150 2.00

34 1.0

8.979

42 9.35

9.62

+ 3.27

1.68

2096

1928.0

47.4

0.83

1.193

9.55

- 1.61

9.80

- 2.26

9.54

9.36

1945.44

1946.96

1940.1

45.1

1.049

- 0.21

?

225 914 854 520 -033 -040 -230 -034 -20 -055
007 008 -032 -033 190 -114 -12.0 -12 -3 0.5

+1 -11 -27

$\boxed{-23 \quad -15 \quad -12}$

-2 -9 -25 02

$\boxed{-20 \quad -16 \quad -9}$

GP And 0 52.6 +22 54

140310	1 6	EL-25	M _v	W _g	M _v -V ₀
291		0.005	+1.0	5.55	4.55
848		+0.015	-0.6	5.5	6.4

5499

00

53.3

-74

35

20 IV

+22.0

$$6.64 + 0.49 (\text{ans})$$

$$6.26 + 0.37 \textcircled{2}$$

594

503

6.4

$$7129 + 120$$

0

$$7129 + 116 + 144$$

$$+ 119 + 118$$

$$+ 129 + 116$$

$$+ 124 + 117$$

$$+ 124 + 113$$

20.375 1898.4

+0.250 571 +0.045 57.1

30.60 1895.9

74

1



5499.000*

0.000*

0.000*



0.722

-0.395

78.070

-0.029

-0.618

-17.132

-0.393

-0.680

-62.208

WJ

5499.000*

0.000*

53.300*

-74.000*

-35.000*

0.124*

0.113*

5.400*

120.226

22.000

0.696

-0.395

75.035

265 +129 +120

H05499 00 53.3 -74 35 NO 12 +22.0 6C

6C1106 +20 0 6.64 +0.99 (2.05)

$$\begin{array}{r} 20.385 \\ -1382 \\ \hline 19,003 \end{array}$$

$$\begin{array}{r} 1898.8 \\ +0315 \\ \hline 10310 \\ +0310 \\ \hline 10270 \pm 7.1 \end{array}$$

$$\begin{array}{r} 10270 \pm 7.1 \\ +104 \\ +104 \\ +130.60 \\ \hline 105 \\ -4.92 \\ \hline 35.52 \end{array}$$

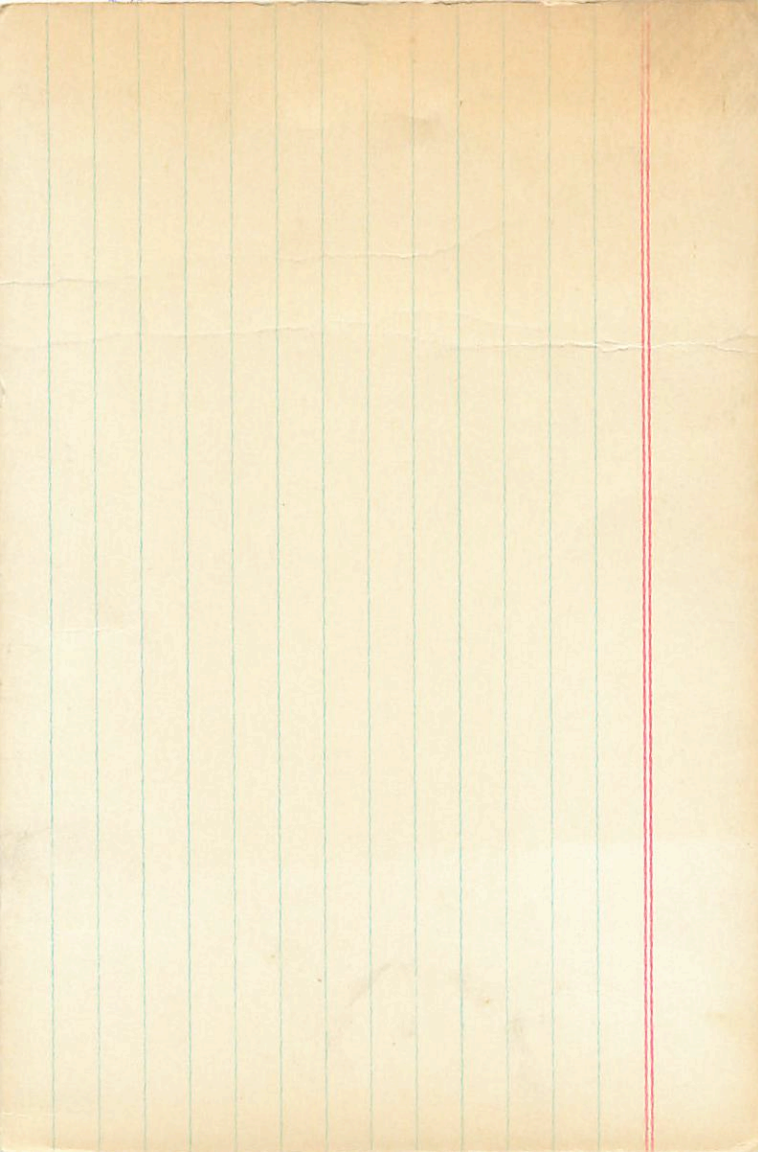
+131 39.04 192791

$$\begin{array}{r} 30.844 \\ 49.064 \\ 19.93 \\ \hline 99.838 \\ -154 \\ \hline 84.398 \end{array}$$

$$\begin{array}{r} 20.729 \\ -16.54 \\ \hline 4.189 \end{array}$$

$$\begin{array}{r} 28.95 \\ -328 \\ \hline 29.2 \end{array}$$

00



2264

HR267

(14) 261 (10)

5437

1240

53.5

-11 32

5.5

9145 -25.86

$\begin{array}{r} -0017 \pm 2.4 \\ -0020 \end{array}$

523

661111

53 31,016

1993.4

-11 32

13.04

1896.3

$\begin{array}{r} 096 \\ \hline 1112 \end{array}$

$\begin{array}{r} +18 \\ \hline 1286 \end{array}$

52 15,745

45

21

1 15,260

45

21

53 31,003

45

21

$\begin{array}{r} +002 \\ \hline +004 \end{array}$

42.2

40 21.13

$\begin{array}{r} +8 \\ \hline 815 \end{array}$

1933.64

32 12,199

$\begin{array}{r} -33 \\ \hline 1 \end{array}$

5.76

2.87

256

13,243

$\begin{array}{r} 1 \\ \hline 12,88 \end{array}$

1939.34

167

31,029

$\begin{array}{r} .021 \\ \hline .021 \end{array}$

-15

$\begin{array}{r} 014 \\ \hline 108 \end{array}$

-0.91

12.94

$\begin{array}{r} +26 \\ \hline 12,94 \end{array}$

12.86

31,052

$\begin{array}{r} 5 \\ \hline 047 \end{array}$

12.44

$\begin{array}{r} -30 \\ \hline 12,14 \end{array}$

000

1433.7

1935.6

1935.6

BO.0.071 00 53 89 280 42

20.286

1034 407

1039 0594

209

0511-0257

115

1000 + 007 calling

1.17 871 15 44

117 800 15 -

117 800 15

116 889 171

0600

1922
Gm

10 10.17 6 046

RTD. 200

my = 1412
mod 875

1000 1000

6
7
5.9

805
✓

-0.253

41.84

(40)

32.444

-0.090

0.253

0.033

U :

U :

U :

03 (U) :

02 (U) :

01 (U) :

VEL. :

MODULUS :

STANCE :

M. DEC. :

M. R.A. :

DEC. :

R.A. :

0.080

-30.050

0.080

0.030

0.030

0.030

Handwritten scribbles

Handwritten scribbles

75

R.A. : 0.900
 DEC. : -30.050
 1. R.A. : 5.000
 1. DEC. : 7.000
 DISTANCE : 8.930
 MODULUS : 611
 VEL. : ~~0.000~~

q1 (U) : 0.833
 q2 (U) : 0.553
 q3 (U) : -0.009
 du : 35.444
 U : 21.654

-0.553

50 (two)

068 194 1056 2.863

M Reef

00 54.0

435 13

A0264

2863

005 194 1056

~~4017~~ 40209, 40271 P44

3.16
2.6

401307 40389 W3.17

B 2x011
3.15

401319 40343

40.95

90
2.

4.80

+60137

6814

5459

0 54.3 +61 09 6.6 6.6 -8.6 6

533

+0082 ±100 -004 ±9.5 -1.0 ①
+00624
+0084

661127

54 16.057 1908.5 +61 9 7.83 19083

76-8
0 580
-1086 52 45.03
-144 30.580
0701 15.610
WV 54 232
443

-340
15.717
56.75
16.102 7.24
4.5
12.2

17
8.00

120
-12
1927.5 -3.6
-1.6

16.102 7.24
4.5
12.2

0 59.5
8 7.90
9 7.40

7.00
+7.33
+7.33

18.6

16.102 7.24
4.5
12.2

0 59.5
8 7.90
9 7.40

7.00
+7.33
+7.33

18.6

16.102 7.24
4.5
12.2

0 59.5
8 7.90
9 7.40

7.00
+7.33
+7.33

18.6

16.102 7.24
4.5
12.2

0 59.5
8 7.90
9 7.40

7.00
+7.33
+7.33

18.6

16.102 7.24
4.5
12.2

0 59.5
8 7.90
9 7.40

7.00
+7.33
+7.33

18.6

+058-012

15.989
-988

9.11
+1.194

7.33
-1.67

7.47
-31
7.47

1946.15
1936.8
29.5

76

RAD. VEL. : 15.000
 MODULES : 21
 DISTANCE : 3.500
 PM. DEC. : 12.000
 PM. R.A. : 150.000
 DEC. : 61.150
 R.A. : 0.000

D1 (U) : 0.833
 D2 (U) : 0.002
 D3 (U) : 0.079
 D4 (U) : 228.749
 D5 (U) : 0.132

D1 (U) : 0.003
 D2 (U) : 0.002
 D3 (U) : 0.003
 D4 (U) : 123.000
 D5 (U) : 123.000

D1 (U) : 0.015
 D2 (U) : 0.007
 D3 (U) : 0.007
 D4 (U) : 0.007
 D5 (U) : 0.007

Handwritten signature or initials.

R.A. : 0.900
DEC. : 61.150
PM. R.A. : 120.000
PM. DEC. : -12.000
DISTANCE : 3.600
MODULUS : 52
RAD. VEL. : -5.000

q1 (U) : 0.833
q2 (U) : -0.002
q3 (U) : 0.553
dU : 228.749
U : 9.239

q1 (V) : -0.553
q2 (V) : 0.032
q3 (V) : 0.833
dV : -153.557
V : -12.222

q1 (W) : 0.019
q2 (W) : 0.999
q3 (W) : -0.025
dW : -51.537
W : -2.579

(277)

7 And
170271
n 538

5.4.5

+23 09

965 -10.30

Sp. A. P = 2.5
11500

4.83 +0.69 51K

~~4.44 +0.84~~ H

-037 -040 GC

680-12

-044 -038 F113

-040
-040

~~10215041~~

~~46.8~~
~~48~~

66W-105

6411 300 0.9
103 +23.15

0.9
+23.15

-0031 -043

-41

-10287 -042

-46 9987

2744.4 -040.3

0.55

-0396

41.5 6000

F113

1038

-038 -040

1889

?

236 972 343 920 -040 -040 -10.3 -016 -40 -175

009 004 -039 -016 115 -166 -9.5 -9.2 -2.2 013

-0.2 -14.9 -17.5

-21.2 -6.6 -5.5

-3 -10 -13

02

-15 -7 -2

41.5 -17.3 -20.0

011

-24.4 -6.5 -7.8

1/5 859 94 589 716
344

7 April 00 54.5 +23 09 G8 III-IV

(271)

5516

Spindly

-1
+16

DLW +0.5

4.42 + 0.94 + 0.69 6J

3.93 + 0.835 2J

7.02 + 0.33 2A

116d

Sp. O. 2.8
Sibil line?

25

-0.00290 -0.0415 GC +

-00265

+0.2 ±2.0

397 83

363

(-10.3)

+12 ✓

-0365

103 4/24
1/2

(4.41)

flod

372
375
P

Spindly

2.4

(-0335-412)

1

HN2

HN2

R-I 0.24-0.41

N RUN 0.84 7.10

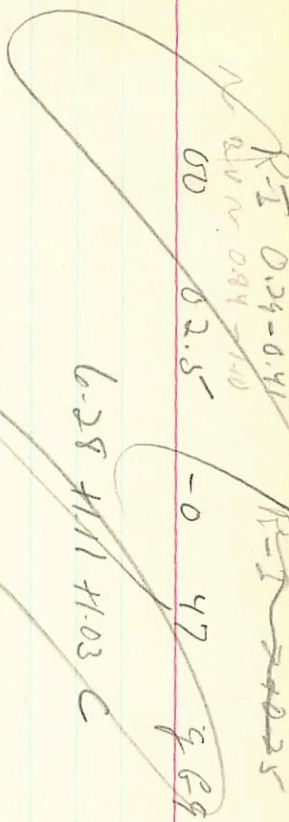
OD 0.2.5'

~~R-I 2.25~~

-0 47

9.69

60 7.5



6.28 11.11 11.03 C

10024 -052 G-Crowd
1 2.0

1152 817 0.164

5516 0 54.5 +23 09 4.6 965 -10.3a

538 1150 P3 143 ~~0727~~ +23 -040 ±1.6

~~0031~~
-0031

~~0028~~
-0028

-043.023

~~042~~
+2

G-1134

7Ard

0 5-4 31.951 1895.1 +23 8 53.35 1895.4

148

32.029

-0024 -040

4501

2.18

55.53

G²⁹/8

8²⁹/8

6²⁹/6

2²⁹/4

31.919

917

31804

11

52.78

-24

5381

15

1933.8

5.8

39

898

41.6

53.96

5.8

31.982

898

5-3.68 1939.60

-13

53.55

36.7

41.3

53.96

-1.97

22

R.A. : 0.900
DEC. : 23.150
R.A. : -46.800
DEC. : -45.000
TANCE : 3.000
DULUS : 40
VEL. : -10.300

1 (U) : 0.833
2 (U) : 0.339
3 (U) : 0.437
dU : -242.195
U : -14.146

-18.1

1 (V) : -0.553
2 (V) : 0.538
3 (V) : 0.637
dV : -1.892
V : -6.632

1 (W) : 0.019
2 (W) : 0.772
3 (W) : -0.635
dW : -168.638
W : -0.171

Handwritten signature or mark.

5543 0 54.7 +01 07 dF_2 40.81 8.0
 539 +0011 ± 4.0 +008 ± 4.3

GC1141 5-4 40.071
 -048
 023

+1 5- 39.24 1906.6
 -43
 38.81

40.046
 5
 051

38.45 1937.91
 8
 38.53
 -28

+028

+45.239 HR 277

N2 III

46.1 (1)

5526 0 54.8 +45 34 6.2 9102 +5.1 a
 +0008 ±5.4 +0070 ±3.9
 +0008 -0.8

541

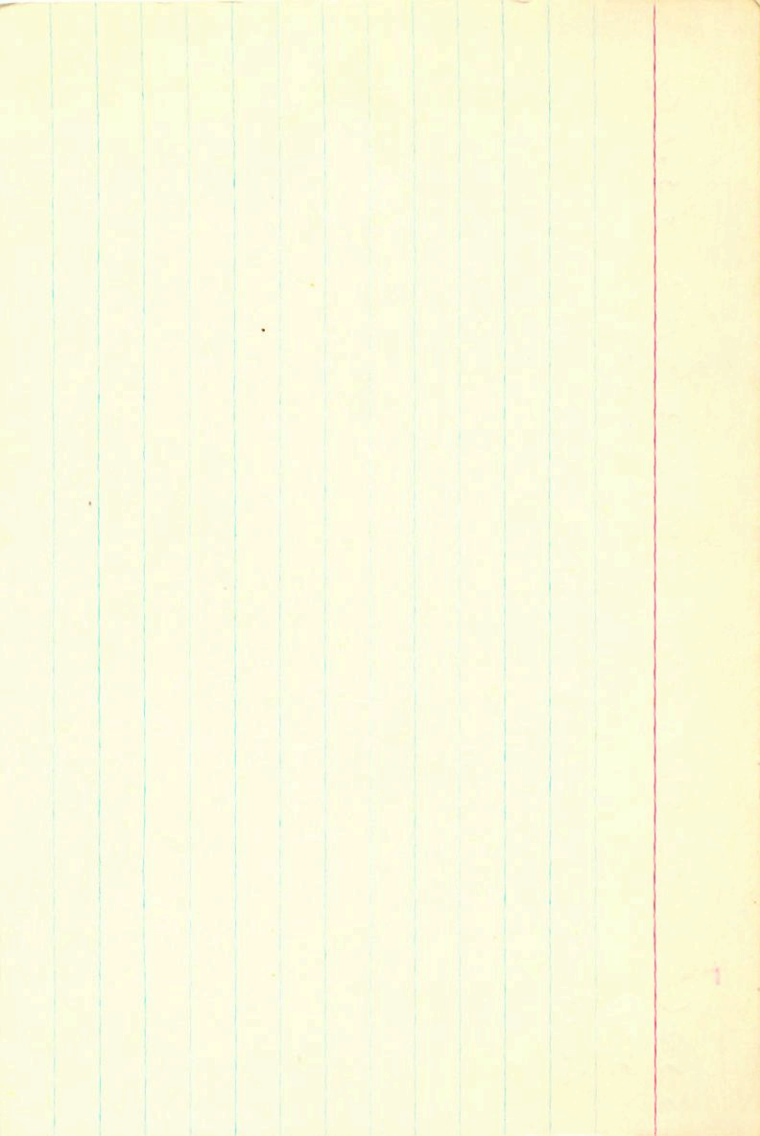
661142 54 49.204 1901.3 +45 34 10.71 1896.4
 039
 .16
 -38
 10.33

5-3 24.38
 1 24.652
 54 49.032
 +12.5
 49.152
 -145
 620

24 3.4
 5 7.58
 34 10.38
 10.26
 +
 10.88

49.189 +036
 +120
 120

10.07 1951.81
 -17
 1900
 -43



$$-0045 \pm 10.6 \quad -013 \pm 7.8$$

$$5650 \quad 0 \quad 55.8 \quad +26 \quad 31 \quad 7.5 \quad 915 \quad -22.48$$

$$553$$

$$661165 \quad 55 \quad 46.353 \quad 1906.4 \quad +26 \quad 30 \quad 57.57 \quad 1903.5$$

$$\begin{array}{r} 201 \\ \hline 354 \end{array}$$

$$\begin{array}{r} 58.17 \\ \hline 60 \end{array}$$

$$46.520$$

$$0$$

$$\begin{array}{r} 512 \\ \hline 512 \end{array}$$

$$46.515 \quad -0.012$$

$$\begin{array}{r} 505 \\ \hline 505 \end{array}$$

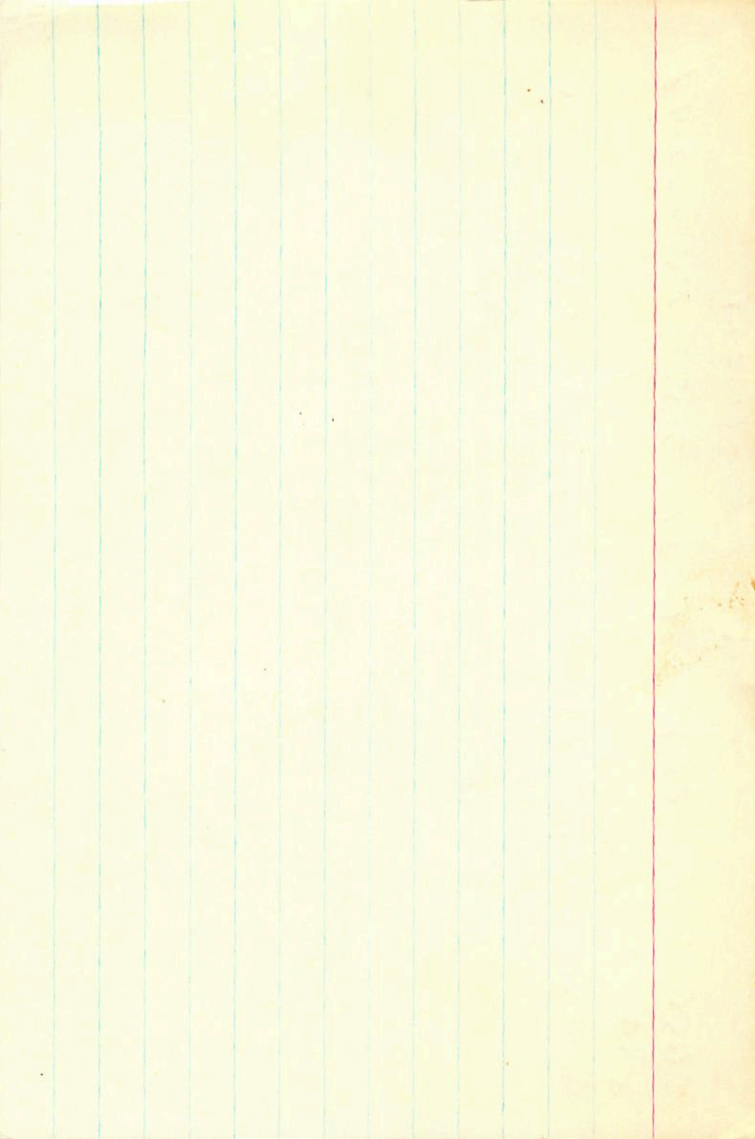
$$57.95 \quad 1927.88$$

$$\begin{array}{r} -2 \\ \hline 57.93 \end{array}$$

$$57.8 \quad 1929.7$$

$$\begin{array}{r} 256 \\ \hline 1758 \\ \hline 57.69 \end{array}$$

$$28.7$$



5735

60 56.0

-19 54

9m2

G-61176

7.13 + 1.54 + 1.80 (7)

5.45 + 0.88 (7)

+ 0026 58.3
+ 0028
- 013
- 024 25.5

15.871 1550.5
8.52 15513

$$\begin{array}{r} -155 \\ \hline 756 \end{array}$$

$$\begin{array}{r} 1520 \\ \hline 722 \end{array}$$

1.913
18.522
1.5835
017

14.24
6.42
7.87
1.25
13464

15.818
000

7.87
1.25

5.816
+ 100

8.22
7.44
7.98
7.51

517

748

46820

12.5 1.296 103

26963

00 56.0 -25 08 13.5 +3 1.83 104

-250302

11.8 12.9 km 1.298 103

1300

11.77 +156 +1.13 ③

4194.1

10.47 +1.19 ②

.066 615)

12.77

+1290 -805

10.47 + 1.19

10.09

155

854

9

-20

250

(X)

unusable

+1030

280

0

56.2

-29

38

880

5730

4.27 - 0.18 - 0.57 5(2)

2.660 6 Cr

9-47

(M-R)₀ = -0.56

-0.3

+0.84

+1.54

+1.80

M₁ - 1.9

V₀

844
53.2
27.8
12.1
14.6

31.9

5.63

4.25

6.95

110 = 8

+00133 +0047

F1V4 410.20

5.2.05

with $\frac{2.50}{6.50}$

~~+10~~

10047

500 2.660

-2.05

-2

(6.3)

(115)

(590)

(110)

(19)

110

10047

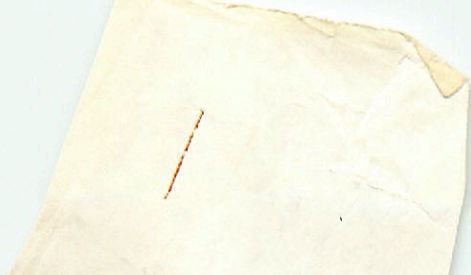
10047

10047



28







10

Faint circular stamp with illegible text.

1000
1000
1000

5769

F0814

2028

00 56.6 - 29 40

9.31 + 0.20 (1.58)

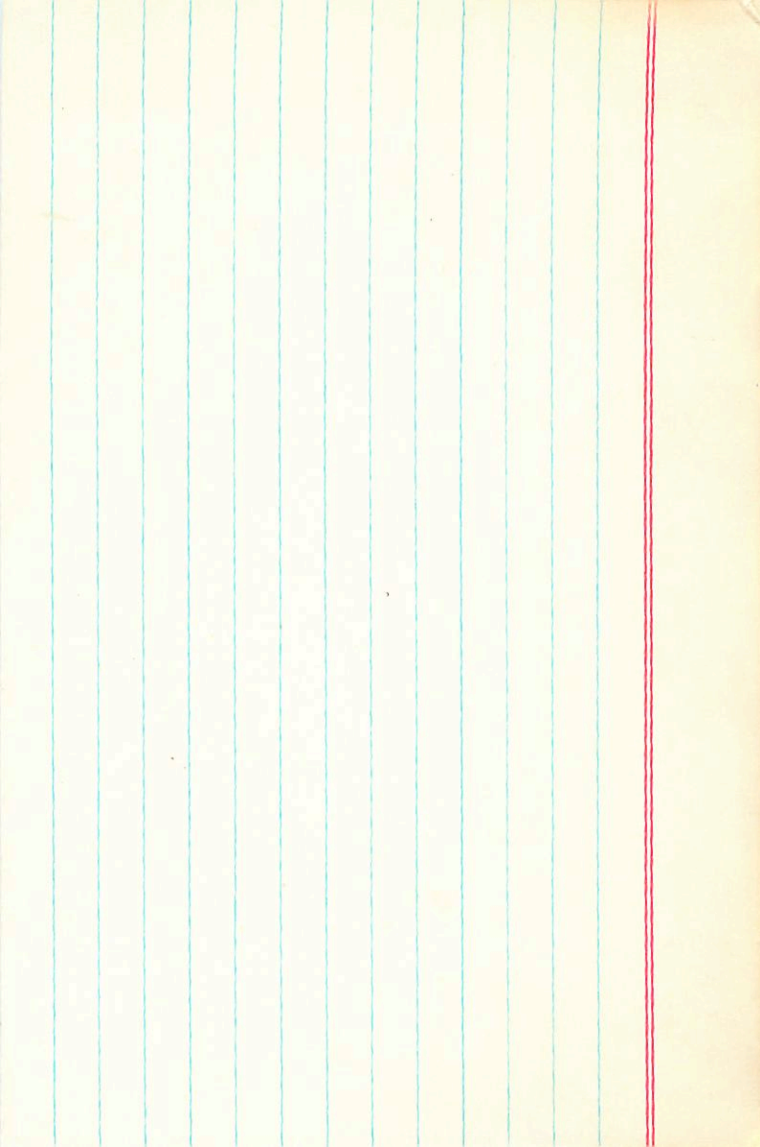
+005 -009 4

A7D
A5E

+99①

6070

+9.9 (5)



6265-5

411.75

5256

0 56.8 + 87 03 26-y + 15.66 w(13)

601194

w(14.6) .014

w559

8.86 + 0.57 Sears

4182

+312 + 091 60

+860.4

+307 + 081 6-2
+308 + 086

330 = 45.7

1385 90

-80 + 29 + 49 911

7400 + 085 - y
- 030 + 3
+ 370 + 88

+ 358 + 91

+820 - 254 + 447

+ 11803 - 1083

+ 10702 + 48.9 + 7.8 + 56.7

-557 - 327 + 763

- 7921 - 1395

+ 9310 - 42.6 + 11.9 - 30.7

+ 030 + 910 + 413

+ 0427 + 3882

+ 4307 + 19.7 + 6.4 + 26.1

211 (665)

245 969 939 052 +308 +086 +15.6 086 +16 079 ✓

-025 -021 258 083 -249 -1.312 +1 +1 0

-53 -94 +17 014

-80 +29 +189

5256

G-1184

W559

+182

+86014

0 56.8

+87

03

AR4

+15.6 AW(3)

8.86

+0.58

Scars

w(14.6)

+81 -50 +38 .015

+63 -35 +29 .02

+312 +091

6c

003±11 G(8)

5813 0 57.5 -0062 ± 3.6 -0008 -0009 ± 3.1
 +58 06 7.2 43 -008
 -3.58

571

GL1197 57 31.519 1599.8 +58 5 41.86 1897.4

$\frac{016}{529}$
 $\frac{47}{4233}$

56 1.556

57 57 86.4 1527.3

1 23.740
 57 31.309
 $\frac{509}{504}$

57 5 42.62
 $\frac{4.22}{42.20}$
 $\frac{+32}{42.52}$
 197
 98

504
 37.3

yield

31.520
 $\frac{.500}{-029}$

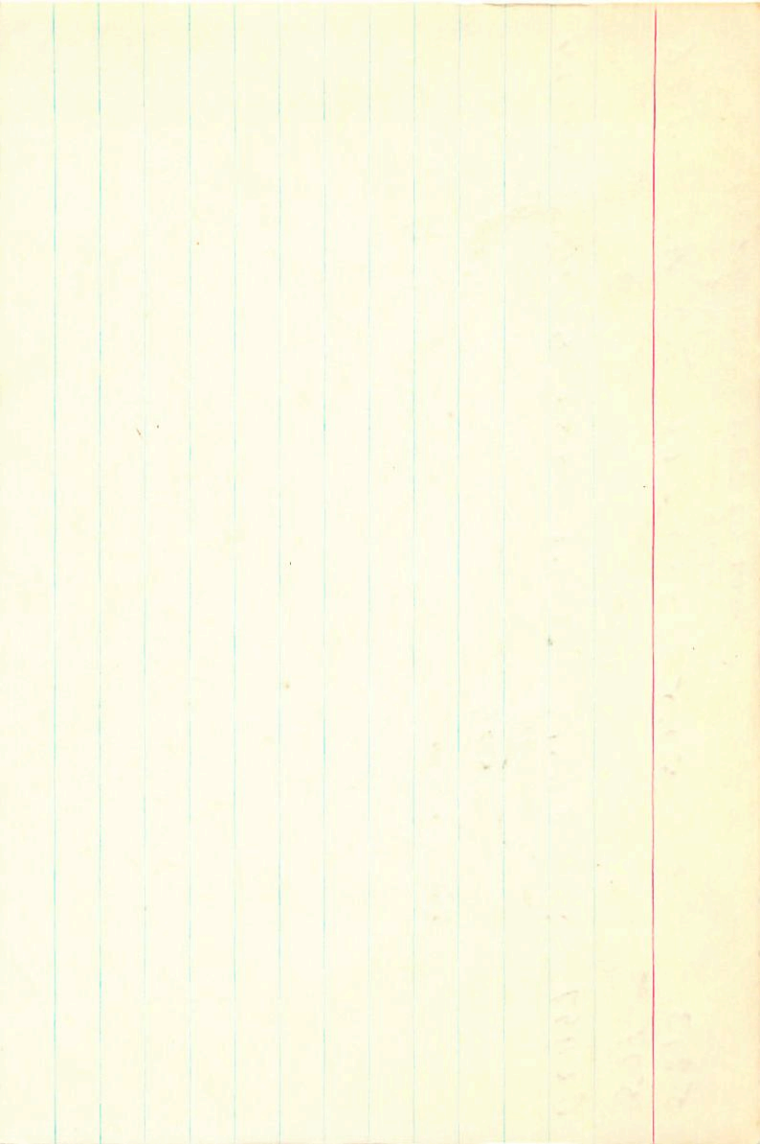
1946.96

$\frac{-24}{.496}$

42.30
 $\frac{-24}{42.32}$
 $\frac{-03}{42.08}$

37.1

39.7



Ucup

00 57.7 +81 36

AP5830 MV

+0.4

+2.6

(+5.3)

A₂ 6.95

-0.11

-0.43

B7E

+0.3

A₁ 9.11

+0.88

+0.40

B8III

B 11.53

+0.73

+0.29

-

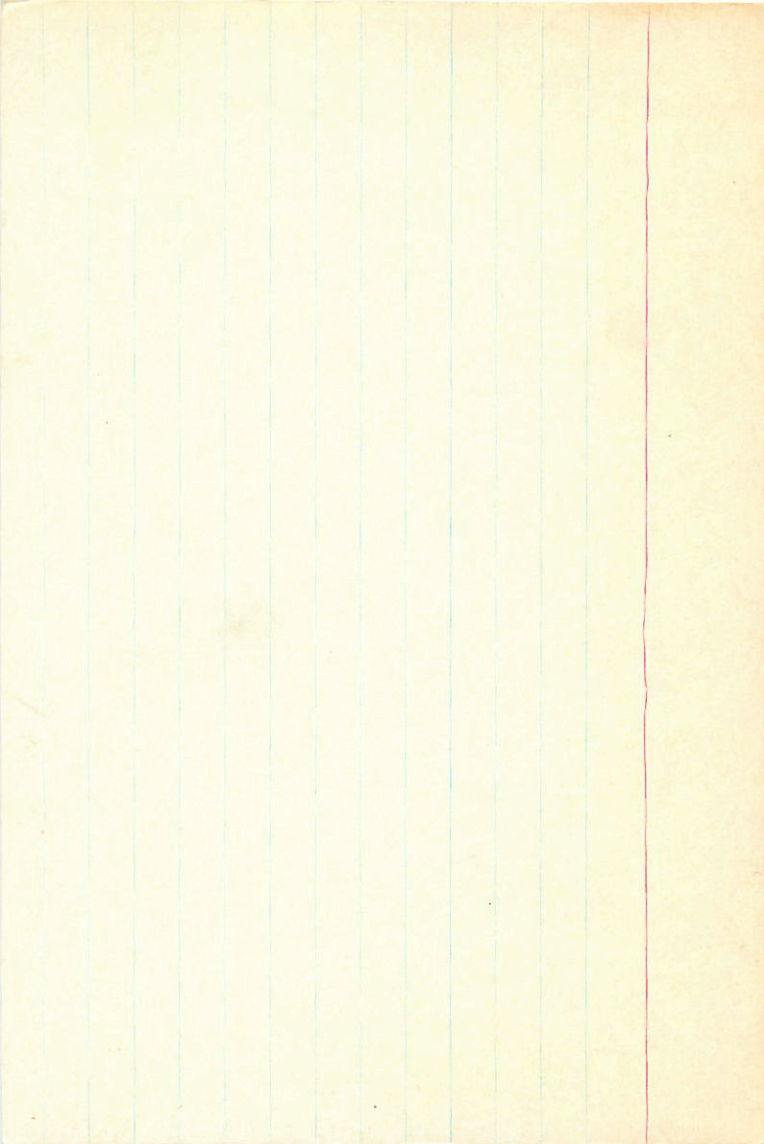
-0.02

4 VW

8

E

+20 -8 +4



W. C. G. B. 1202

0 57.7 + 81 36

+ 81.2 ✓ + 5 h/m/v

+ 0116 = 4.3 + 002 = 4.8

~~+ 004~~
0104

+ 023 + 002 → 230

156P.

156P

H 6.6 + 12.0
- 11.8 + 4.0
12.3 + 1.6

11.9
+ 1.8
+ 1.4

+ 0893
- 0632
+ 0125

+ 0913 - 0020
- 0608 - 0024
+ 0035 - 0090

+ 838 - 206 + 519
- 558 - 251 + 760
+ 032 + 945 - 1324

191 P.
+ 17.1 + 2.6 = + 19.7
- 12.1 + 4.0 - 8.1
+ 3.9
- 12.1 + 1.6
12.3

+ 17.1 + 2.6 = + 19.7
- 12.1 + 4.0 - 8.1
+ 3.9

A 836 11

2.6 } 0.2

2.6 } 0.2

-000474.5

-00176.0

5839 0

58.2 +69 05

6.7 89 +4.98

575

Gc1212 58 11.072 1908.9 +69 5- 22.91 1912.9

016
098

04
22.95

11.012

053
11.065

23.16 1945.55

-5
23.11

11.066

11.066

- .022

65. 57

8 5.55

1722

2292 12.85

56 32.653

1 38.025

5-8 10.617

390

69.5 2346

71 1932.50

30.2

11.054

22.402

2.73

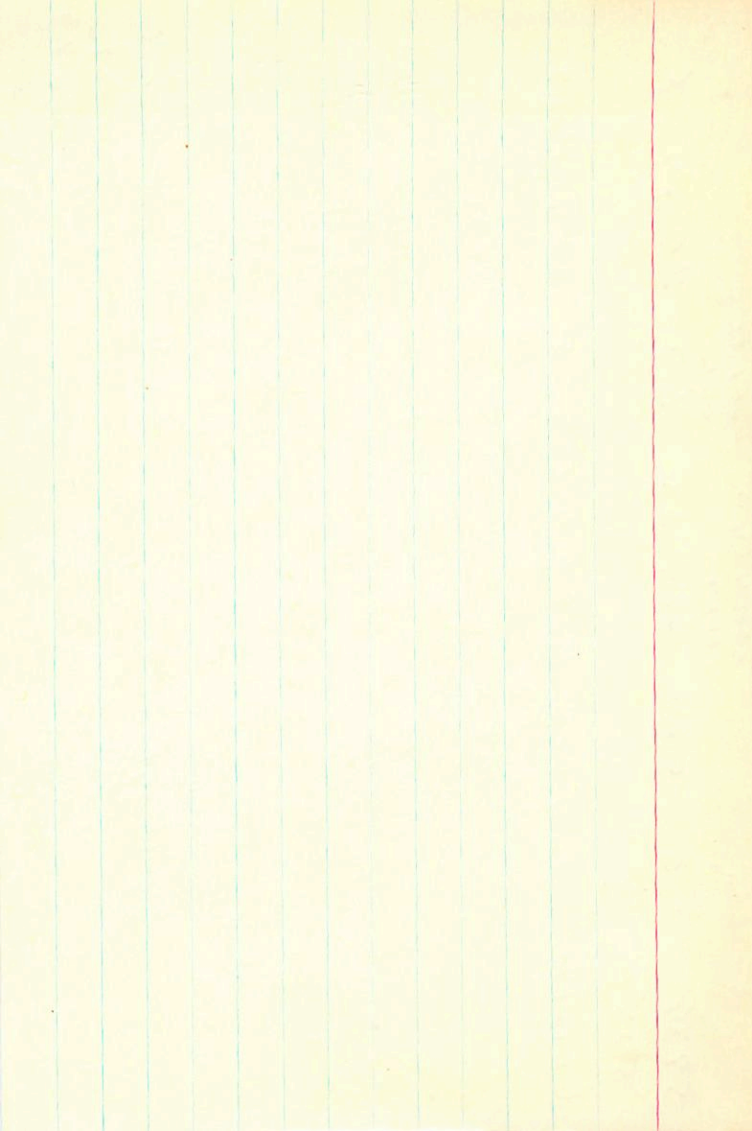
39.7

+011

2.73

26.2

11.066



-0027 ± 12.2
-0002
+002 ± 11.3
+001

5944 0 58.7 +57 33 6.7 A2 -8.36

581

661227 58 44.490 1907.7 +57 32 52.79 1906.9
 $\frac{114}{.604}$
-09
52.70

57 11.68
1 29740
58 44.204
 $\frac{1626}{.618}$
24 47.4 1927.9
8 558
32 52.11
52.31

11998

$\frac{598}{.618}$
52.72 52.825
+002 52.98 1945.32

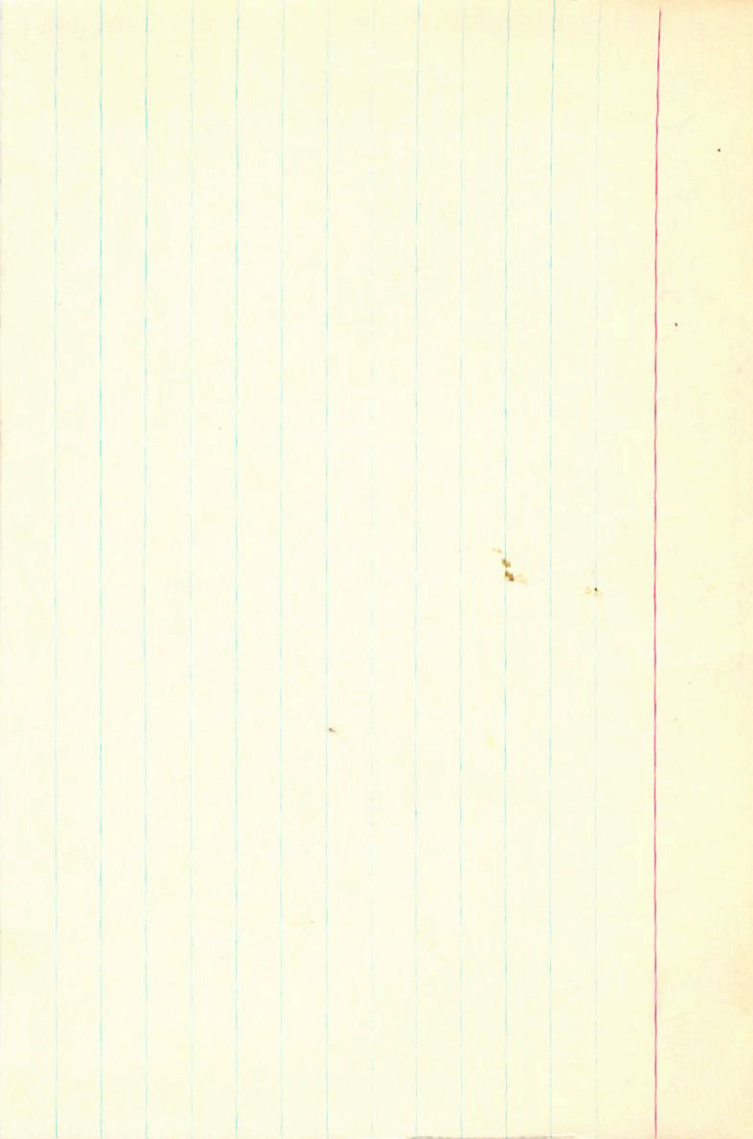
44.615
-12
52.79 1946.56

603

$\frac{289}{.603}$
36.6 52.74
299 52.79
52.79

1946.56

44.599
-22/675



5817

Gc1232

w 583

X198

+81027

0

59.1 +81 50 d62

-50.78 W(3)

8.4

8.44 +0.63

-0.03 120"

-48 -49 -31 +020

-181 -054 Qc

3810 G(10)

-08447 7.5-

59 4.109 1407.1

+81 49 59.51 1464.1