

-32.86

5160

13 40.4

+41 56 6.13 100

1853
~~119448~~

-4 +1
-00830 +0137 W₃ 50
-00834 +0138

-091 00062
0 +3
+003

-0930

-0904

-090 015

9453 - 9707 } 0917
2403 } 0042
+205
0096
5.04

Skin ~~13~~ 30.4



5160.000*

13.000*

40.400*

41.000*

56.000*

-0.091*

0.003*

5.000*

100.000

-32.800

0.338

0.003

23.701

-0.256

0.308

-35.671

0.002

0.951

-23.027

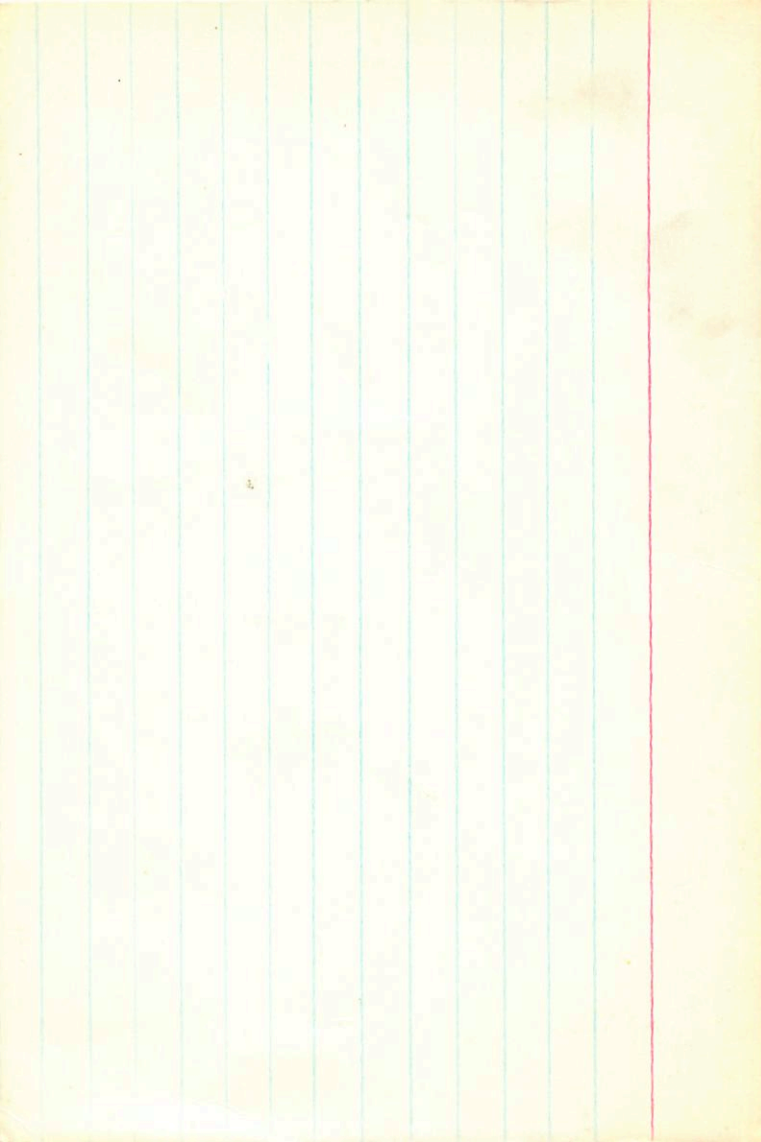
+30°2439

13 40.8 +29 56

4.2

119494

581P



306

13 41.1 +34 30

13502625

66959

9.28 +1.10 +0.58 ②

+0.42 ②

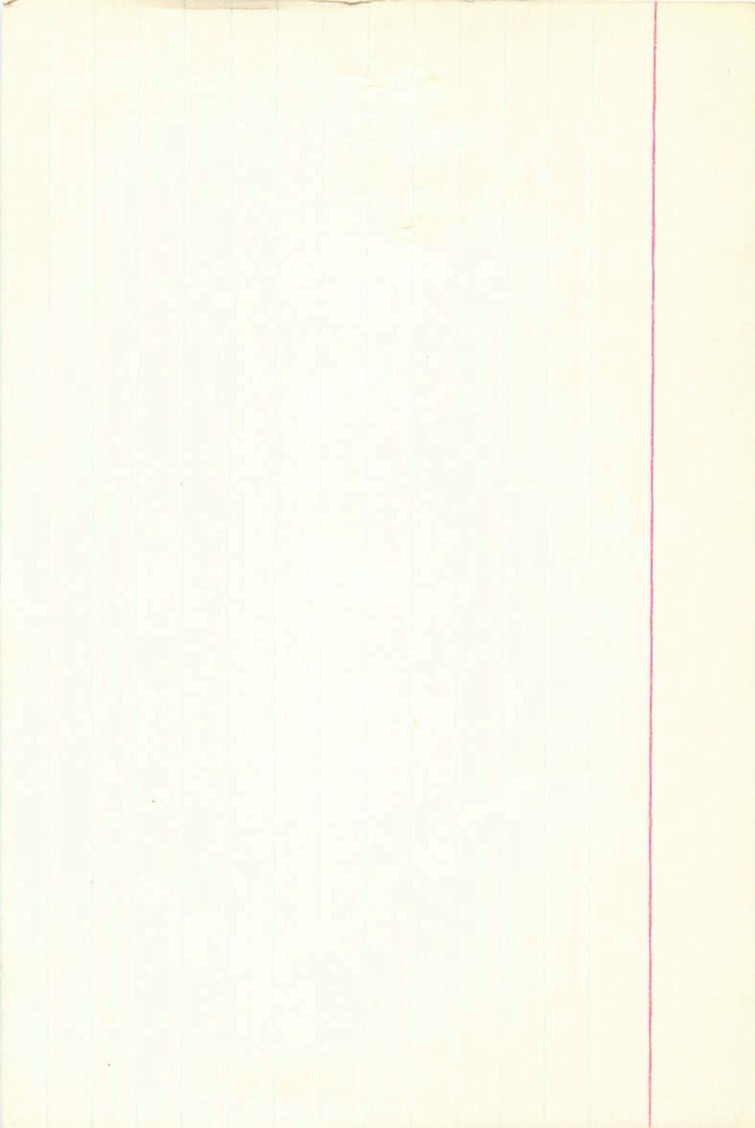
8716 -78.88

850+ 9078

3627 119

8268 4301

+1.3



19550

13 4/1 +14 07

AMC:SA

6-96 +14 +16 022

0215-006

323

-6

20

+52

900-818

119550

G-618870

10 4/2
G-24

14 37

① 444
② 354
③ 300

400514

10.440 3/2
1048
17518
10195

020425
0222
0222

155000

5445-22
11
10.61

40309-12

119584

G-C18564

13 41.4 +22 57

5144 +8.186(3)

W811

~~18564~~

6.4

+2302606

HE5164

$$\begin{array}{r}
 +048 \overset{+2}{-} -043 \overset{-2}{60} \\
 +058 \overset{+5}{-} -045 \overset{-5}{54} \\
 \hline
 +050 \overset{-}{-} 044
 \end{array}$$

-62 -3 -5 .005
 -79 -3 -9 .004

possible

+003572.5 - 04372.2
+0033 - 043
-428-904 391 921 +650 -044 +9.1 -017 +4 -152

-021-007-045 015 +028 -246 +8.4 -8 -4

-24-65-44 004

23.417 1848.5 +22 57 6.44 18407

-78 -4 -9

-160
23

+2.55
8.96

23.342

165

6.40 1844

26

353

353

6.42

23.349

1118

35.7

7.22 193658

10260

23.323

11

7.45

1928.32

34.2

343

7.23

43.5

707
1.89

EB 2.50

SX14ya

13

415

-26 32

A3+115 -472

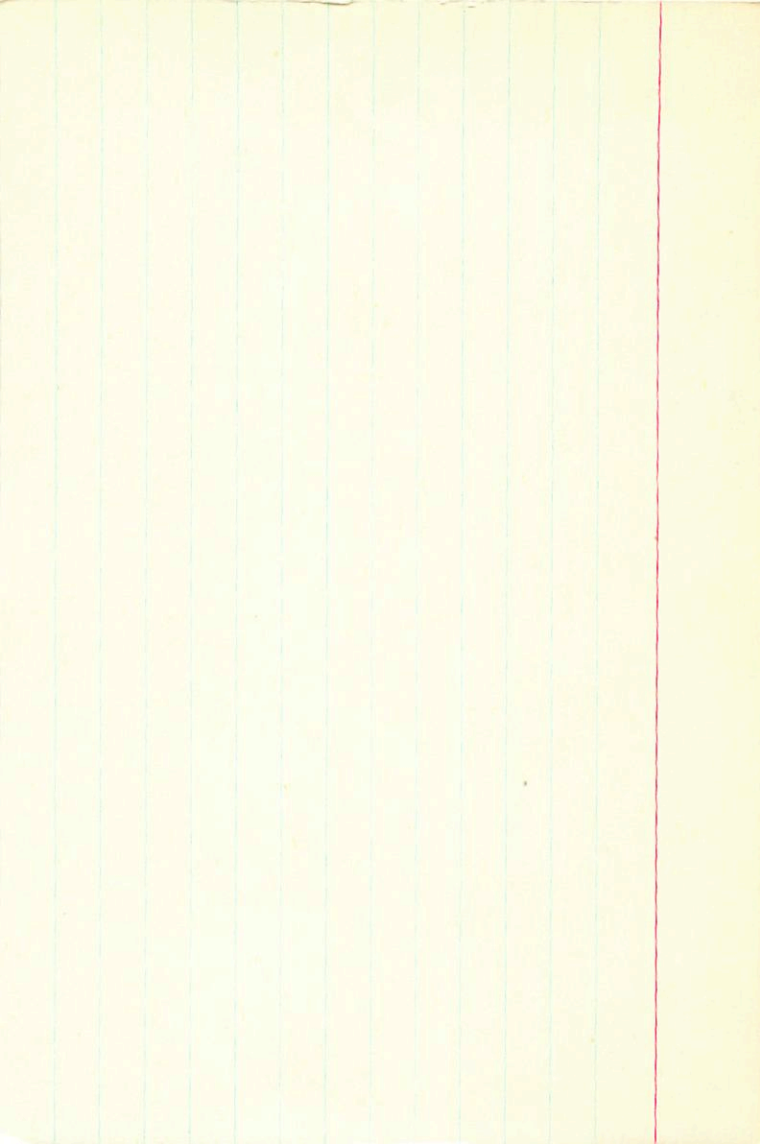
119592

-2609605

8114

-420 Debit

-043±10 -021±10 Y



119706 13 42.3 -7 23 7.1 9 NO -32.18

18579

8117

19.397 19023 -7 23 2.59 1898.7

$$\begin{array}{r} 124 \\ \underline{1521} \\ 0.785 \\ 17.635 \\ \hline 18.420 \\ \underline{18.432} \\ 482 \\ \underline{464} \\ 18 \\ \hline 19.430 \\ \underline{19.42} \\ 542 \end{array}$$

0.785

17.635

18.420

482

464

19.430

19.42

542

$$\begin{array}{r} 2.64 \\ \underline{-05} \\ 2.64 \end{array}$$

30.31

33.22

31.53

31.63

31.96

23

23

2.70

2.52

2.62

2.62

1930.63

935

34.7

36.0

1939.02

2.70

2.52

2.62

2.62

32.4

16

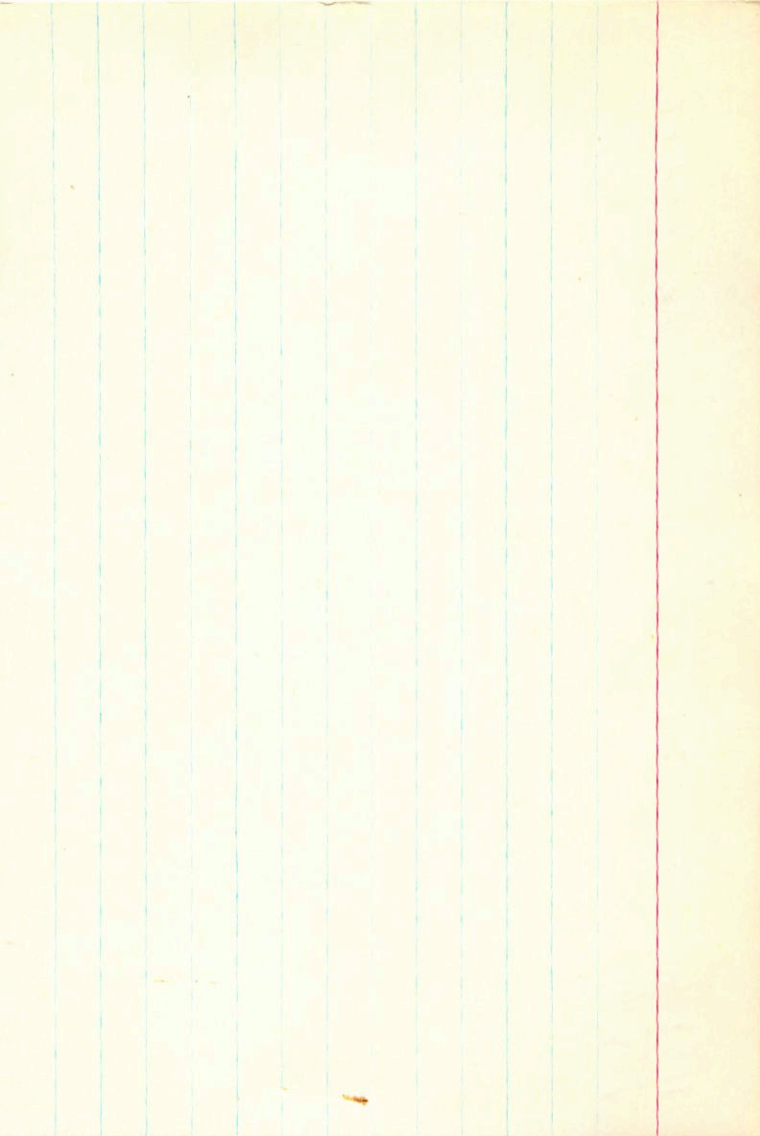
453

068

19.430

19.42

542



3184 13 424 + 78 19 585 967

-7.48

-068 +020 GC
-3 +1
-071 +021

3



5184.000*

13.000*

42.400*

78.000*

19.000*

-0.071*

0.041*

5.000*

100.000

-7.400

0.357

0.385

32.896

-0.131

0.679

-18.171

2

-0149±9.5 +014±9.1
-0157 +0.21
-48 33 F8U -21.7±1.0 (14)

119624 B 42.14

18580

6.77±51

— 21.023 1901.2 ~48 32 31.06 1895.6

727

21.750

48.335

32.850

21.185

341

116

123

20.944

-22

922

40.1

-74
31.82

58.13 1928.07 82.62

33.42

81.55

71

80

30.14

30.94

30.43

-37

40

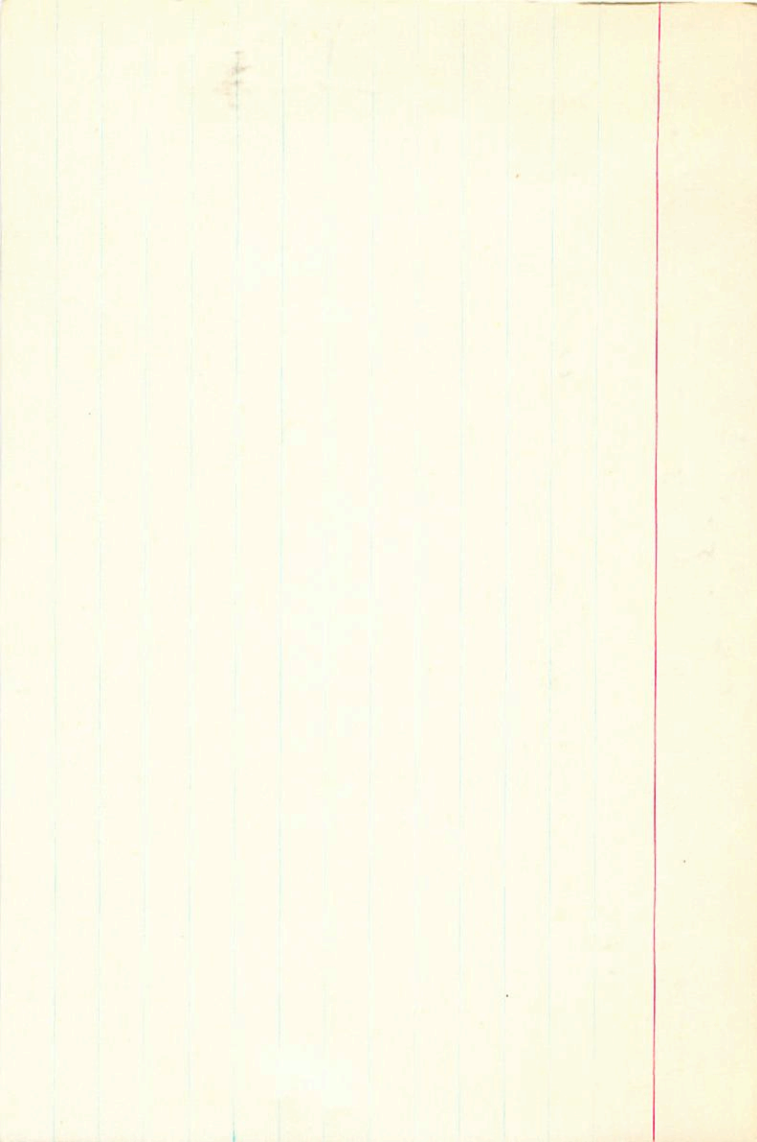
30.87
+95

245
21.12
128

195455

45.7

41.3



+18° 2776

Cc18597

W8119

Y3133

13 42.6

+18 04

dM1 + 27.48

w(4)

9.76 + 1.43 + 1.20 Nick

C₀₂₃

+24 (3)

+48 ± 5 = 5
+434 - 1.848

+468 ± 6 - 1.837 ± 10 V

-86 -66 +3 . 086

107 ± 14 V

1070 (7)

6800 (6)

2776 (4)

930 (10)

86 ± 7

~~10304.9.8~~ -1.848 ± 8.0
10258 -1.842

~~59.548~~ 1503.6

39.206 1503.4 +18 3 39.67 1503.3

~~1.411~~
~~37.795~~

~~26.30~~
5.97

1929.4

38.55
1.4
5.4

24.3

18.28
~~28~~
17.9

1526.4

558
27.9

24.0

26.43

90.74
24.33

55.4
32.82

1526.4

4131

~~12.115~~

10355
518

22.178
59

20.05

38.542

643

2723

23

4532

12/1

27

23

23.39

114635

13 431

13 55

486 A68

10-61 54

000-771 Carlberg

000-751

00

171

4176

4

96 Via -0014 ± 1.6 000 ± 1.4 -91 (3)
 119853 13 43.3 -12 11 5.8 967 -10.98
 18604

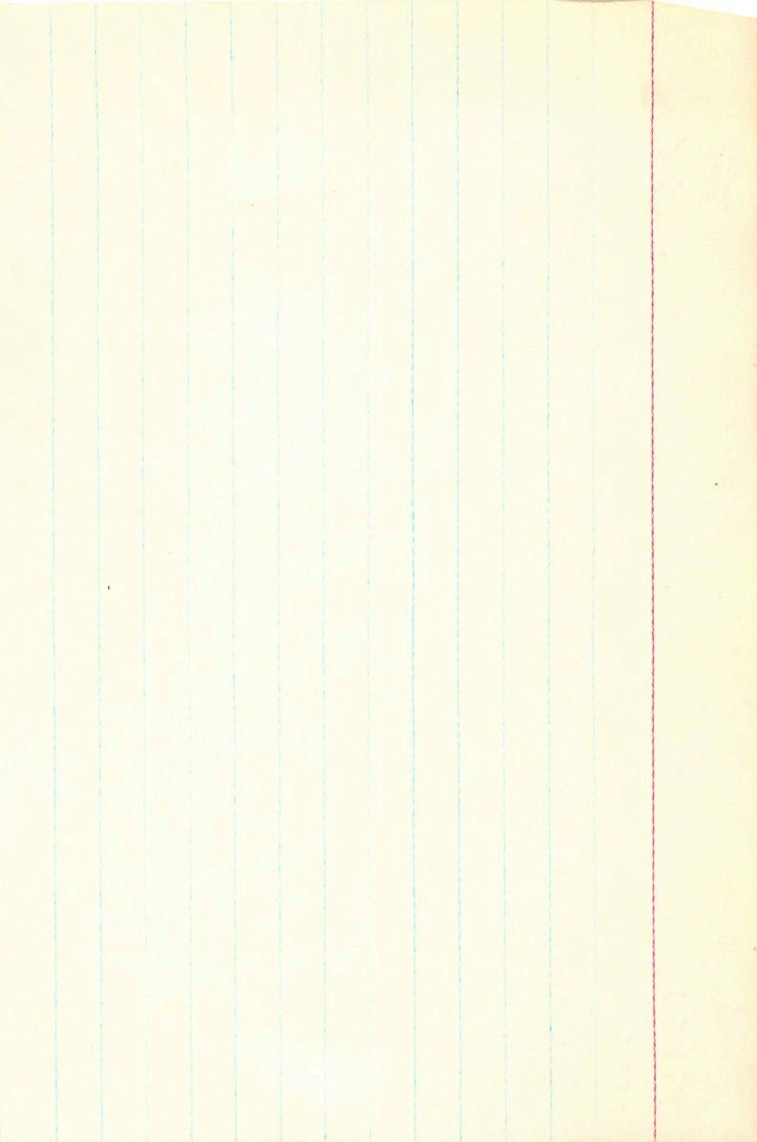
8124 16.180 1900.2 -12 10 36.44 18973

ADS 9016 $\frac{070}{250}$
 573 50.275
 19.890
 16.41
 .00

4.93 1929.45
32.35

36.3

4
3
16



+0004±3.5 -040±3.3 EPB. 4379
+0004 -049

119834 13 43.5 -51 11 4.7 65 -5.8a

18607 4.65 +0.96

8126

-5.6 (circled)

28.628 1904.5 -51 10 5.8.02 1906.3

-018
610

+1.95
56.07

28.655
638

57.59 1940.08
-53
58.12

43.5 (circled)

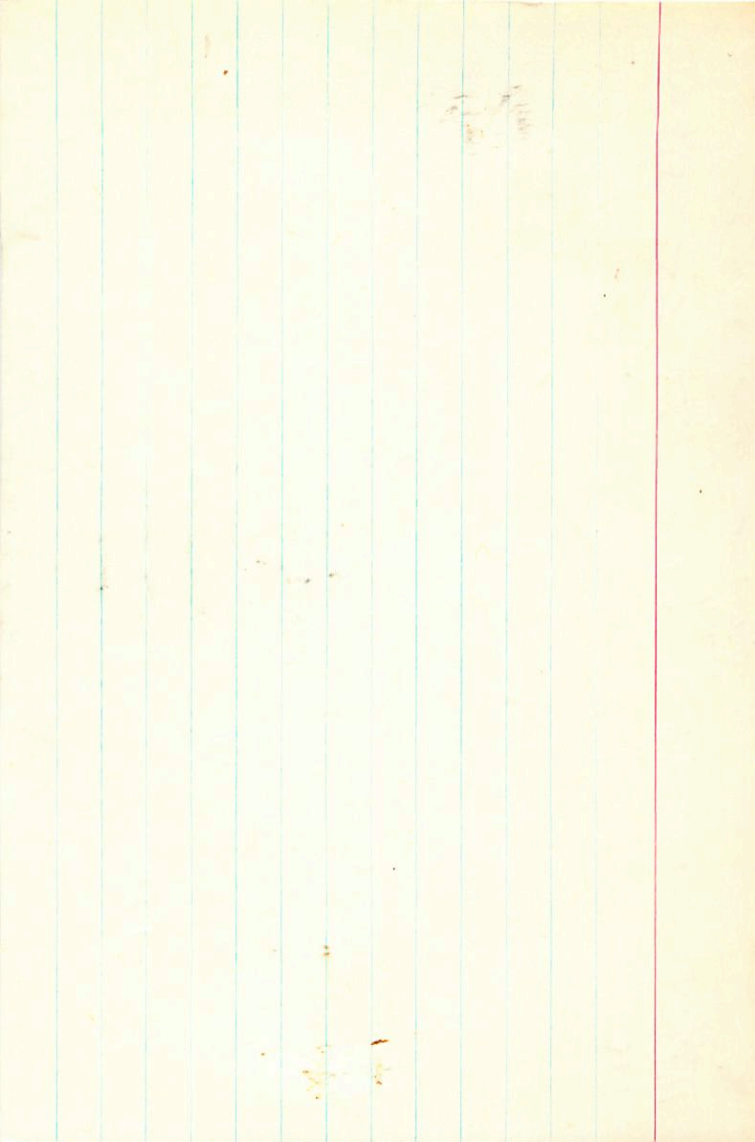
629
+019

58.24 155.5.96

28.645
-25
620

-39
96.04

58.63
48.0
46.7
58.38
-2.31



5203

13 43.8

+ 83 00

5.52 g 66

1033-044

1030-043

-502

5



-15.077

0.130
0.562

-32.572

0.209
0.029

-43.265

-0.220
0.426

+770521

13 442 477 26

-87.2 ± 0.6 Sand

-465

-152

-054 6(G')

-515

-168

-041 7(G)

9.45 + 0.66 + 0.08 2 Sand

+565

325 562 pm.

-8
-90
-37

~~32.7~~

+25.2 -58.6 -753 +540 +375

+4482

-31.6

+622 +622 +398 +674

-5622

-554

+18.5 +622 -731 +634

+3294

-215

+1431 +1663

+770 621 13 44.2 +77 26 -87.2 ± 0.6

15

$s = 12$

9.45 ± 0.66 ± 0.08 2 Exchange

6646

57500

-152 -054 G'

156
-054

-168 -041 G''

-753 +540 +375

+622 +358 +674

-215 -741 +636

+5708 -1228

-4717 -0905

+1631 +1686

160 048

+4480 +2518 -32.7 -6.9

-5622 -32.3 -58.8 -91.1

+3317 +19.1 -55.5 -36.4

120145

18624

13 44.2 +35 45

-8

+2

-00444

-0207

W35D

-00452

-0000

-0528

050-017

3000

120064

13

44.4

+25

57

5.9 df3 +7.5a

11 lin Sp.B. P=

18623

8132

44

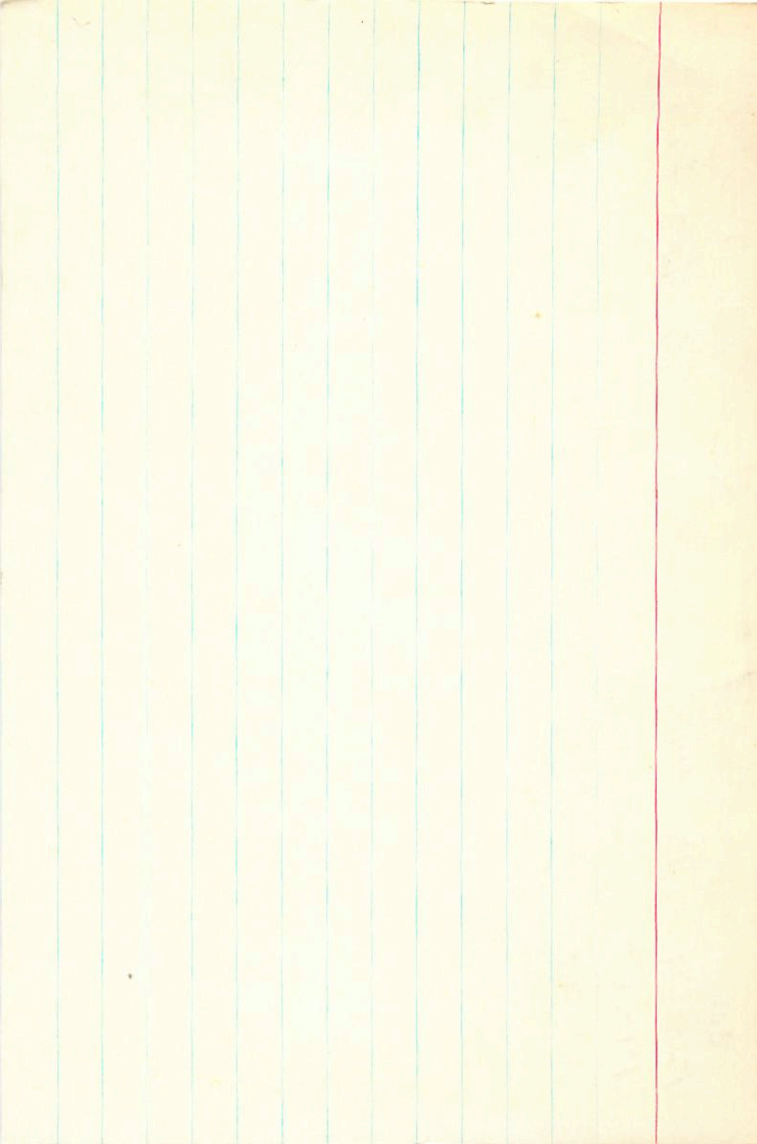
-0017

⁴⁴

N30

1.6(3) Var

-0015 ± 2.3 -060 ± 1.8



114471

13 44.5 -50 04

11627

11615

0158-024 4mp5

01534-0171

1476
110-841-
1441

9510 4108
3074

1910-0161
6002-
8241-9666-
-9796/1778
(34-)

0183
+7.2640

125666
3 800

13 445

-30.1 (24)
+06 38

-30.1 (24)
-240

Handwritten scribble

~~Handwritten scribble~~

Handwritten scribble

-30.4 2 upper

-31.1 (27)

Handwritten scribble 020 VV -457 -104

Handwritten scribble

-31.8

5183

-0015 -061

6.22 0.62 6.10 0.200

-490

399 189 387 2603 -55 -110

8994

-104

433

461 181 411 (2)

-0384

35

6.32 0.392 0.170 0.504 0.200

-31.8

~~Handwritten scribble~~

0341 -112

Handwritten scribble

508 -112

511
112
3.6
-30.1



6

W : -15.985
 QM : 315.282
 P1 (M) : 0.202
 P2 (M) : 0.328
 P3 (M) : -0.212
 V :
 QN : -82.252
 P1 (U) : -0.128
 P2 (U) : 0.788
 P3 (U) : 0.422
 U :
 QN : 88.222
 P1 (U) : 1422.222
 P2 (U) : -0.388
 P3 (U) : 0.222
 RAD. VEL. : -0.222
 MODULUS : -31.888
 DISTANCE : 58
 PM. DEC. : 3.208
 PM. R.A. : -104.008
 DEC. : -498.008
 R.A. : 13.228
 18.228

A. : 13.750
C. : 6.600
A. : -508.000
C. : -112.000
CE : 3.600
US : 52
L. : -30.100

U) : -0.753
U) : 0.532
U) : -0.388
dU : 1519.229
U : 91.396

U) : 0.622
U) : 0.768
U) : -0.156
dV : % -1894.865
U : -94.762

(W) : -0.215
(W) : 0.358
(W) : 0.909
dW : 323.608
W : -10.367

230
866
-801

863

-190

6

3.750
6.600
0.000
14.000
3.500
50
31.800

-0.753
0.532
-0.388
1475.557
86.277

0.622
0.768
-0.156
%-1813.05
-85.922

-0.215
0.358
0.909
318.986
-12.907

+0003 +2.8
-0005
-048

-044 +23
-048

+0003 +2.8
-0005
-048

13 44.6

578

120033

18630

001-044

-053
-050

0000

13 44.6

578

120033

18630

1896.5

27 34.68

1500.0

34.632

34.632

8135

15.330

0000 -050
-048

354.5 +2.35

37604
+13
6200

-015
617

15.330

19.210

34.536

32.33

3.49 1929.08

370

1799

512

588

34.593

31.10

34.79

370

680

512

588

34.593

12.78

34.23

370

1799

512

588

34.593

34.26

34.23

370

1799

512

588

34.593

40.5

33.91

370

1799

512

588

34.593

13.75

34.58

370

1799

512

588

34.593

1940.24

34.3

370

1799

512

588

34.593

13 44.6

0000

1500.0

34.632

370

1799

680

512

588

34.593

34.593

7

13.750

- 9.500

1.000

- 44.000

6.500

200

7.300

199.53

194.2

- 8.750

8.400

- 8.520

- 87.629

- 21.279

-20.8

9.622

9.694

- 9.362

- 144.899

- 38.957

-30.2

- 8.215

8.596

8.774

- 125.320

- 19.357

-18.7

5.33

7

BFVini

+0°3102

13 453 -00 21

+5

1

R.A. : 13.700
DEC. : -14.000
R.A. : 0.000
DEC. : -171.000
STANCE : 3.000
MODULUS : 40
VEL. : 18.600

q1 (U) : -0.759
q2 (U) : 0.364
q3 (U) : -0.540
dU : -294.754
U : -21.782

q1 (V) : 0.619
q2 (V) : 0.662
q3 (V) : -0.424
dV : -536.403
V : -29.232

q1 (W) : -0.203
q2 (W) : 0.656
q3 (W) : 0.727
dW : -531.386
W : -7.629

W

96 Via -0014 ± 1.6 000 ± 14 -9.1 (B)
 -0012 000
 119853 13 43.3 -12 11 5.8 967 -10.9 δ
 18604

8124 16.180 1900.2 -12 10 36.44 18973

ADS 9016 070
 250

573 56.275
 19.890
 16.41
 202
 218
 169.41
 36.3

36.3

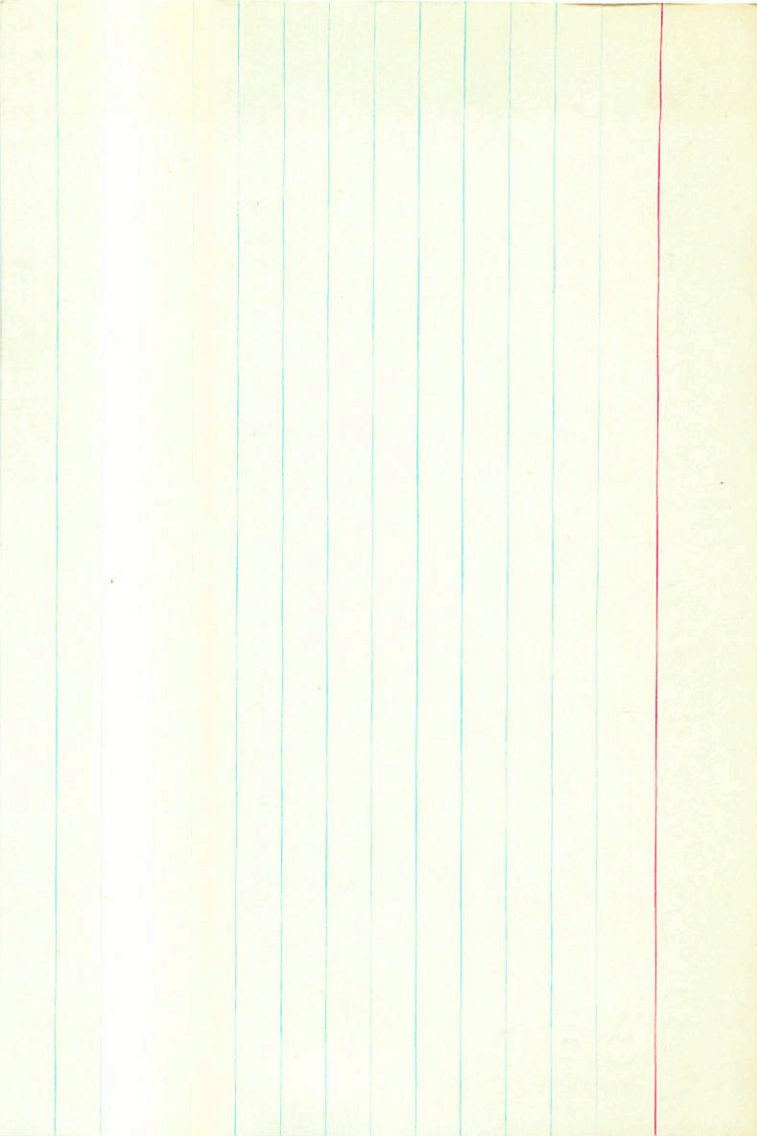
16.191
 193
 208
 047

44.239
 31.975
 16.217 / 213

9375 ~ 9991
 -3781 0433

4.93 1929.45
 32.35
 37.28
 + 68
 34.23
 - 3
 36.44
 36.44
 36.35
 36.09
 1939.58
 36.45

1940.36
 36.72
 36.07



R.A. : 13.750
 DEC. : 6.200
 PM. R.A. : -498.000
 PM. DEC. : -104.000
 DISTANCE : 3.200
 MODULUS : 20
 RAD. VEL. : -31.800

p1 (U) : -0.753
 p2 (U) : 0.232
 p3 (U) : -0.388
 qb : 1475.257
 u : 86.277

p1 (V) : 0.232
 p2 (V) : 0.798
 p3 (V) : -0.128
 qb : -1813.0
 v : -82.252

p1 (W) : -0.212
 p2 (W) : 0.328
 p3 (W) : 0.289
 qb : 318.289
 w : -15.207

R.A. : 13.750
DEC. : 6.600
PM. R.A. : -490.000
PM. DEC. : -104.000
DISTANCE : 3.500
MODULUS : 50
RAD. VEL. : -31.800

q1 (U) : -0.753
q2 (U) : 0.532
q3 (U) : -0.388
dU : 1475.557
U : 86.277

572
q1 (V) : 0.622
q2 (V) : 0.768
q3 (V) : -0.156
dV : %-1813.0
V : -85.922

6
q1 (W) : -0.215
q2 (W) : 0.358
q3 (W) : 0.909
dW : 318.986
W : -12.907