

863902

09 169 +01 07

~~447~~

80367

Q260

Ant

+47.8

-6099 -130 Cambung

Q261 -130

Q261
131
Sight



R.A. : 2.250
 DEC. : 1.100
 R.A. : -141.000
 DEC. : -138.000
 R.A. : 2.300
 DEC. : 38
 R.A. : 47.200
 DEC. : -0.700
 R.A. : 0.470
 DEC. : 0.204
 R.A. : 170.291
 DEC. : 30.280

R.A. : 0.014
 DEC. : 0.727
 R.A. : -0.003
 DEC. : -450.784
 R.A. : -44.120

R.A. : 0.710
 DEC. : 0.420
 R.A. : 0.207
 DEC. : -504.100
 R.A. : 4.220

R.A. : 9.250
DEC. : 1.100
R.A. : -141.000
DEC. : -130.000
DISTANCE : 2.200
MODULUS : 28
VEL. : 47.500

q1 (U) : -0.700
q2 (U) : 0.473
q3 (U) : 0.534
dU : 176.291
U : 30.233

q1 (V) : 0.014
q2 (V) : 0.757
q3 (V) : -0.653
dV : -475.784
V : -44.120

q1 (W) : 0.714
q2 (W) : 0.450
q3 (W) : 0.537
dW : -754.169
W : 4.728

+40° 39' 3-28

9 15.0

+40 41

266

9

21

2.2

+40

16.64

Hls. ph. I 83 -0.135 -229

10.2 K8 +7.9

543

9 21.8 + 76 09

+ 760351

098

9.03 + 1.19 + 1.18 ①

+ 0.465 ②

9

$$\begin{array}{r} 35191 \\ 4624 \\ \hline 39815 \\ 25 \\ \hline 33.544 \\ 869 \end{array}$$

$$\begin{array}{r} -1003 \pm 6.7 \\ -0986 \\ \hline -0997 \end{array}$$

$$\begin{array}{r} -099 \\ -094 \\ \hline 427 \\ 7.09 \\ \hline 11.36 \\ 8.4 \\ \hline 18 \\ 5.25 \\ \hline 5.10 \end{array}$$

67.22

$$\begin{array}{r} -1996 \\ -91 \\ \hline 178 \\ -11.7 \end{array}$$

0990 - 096

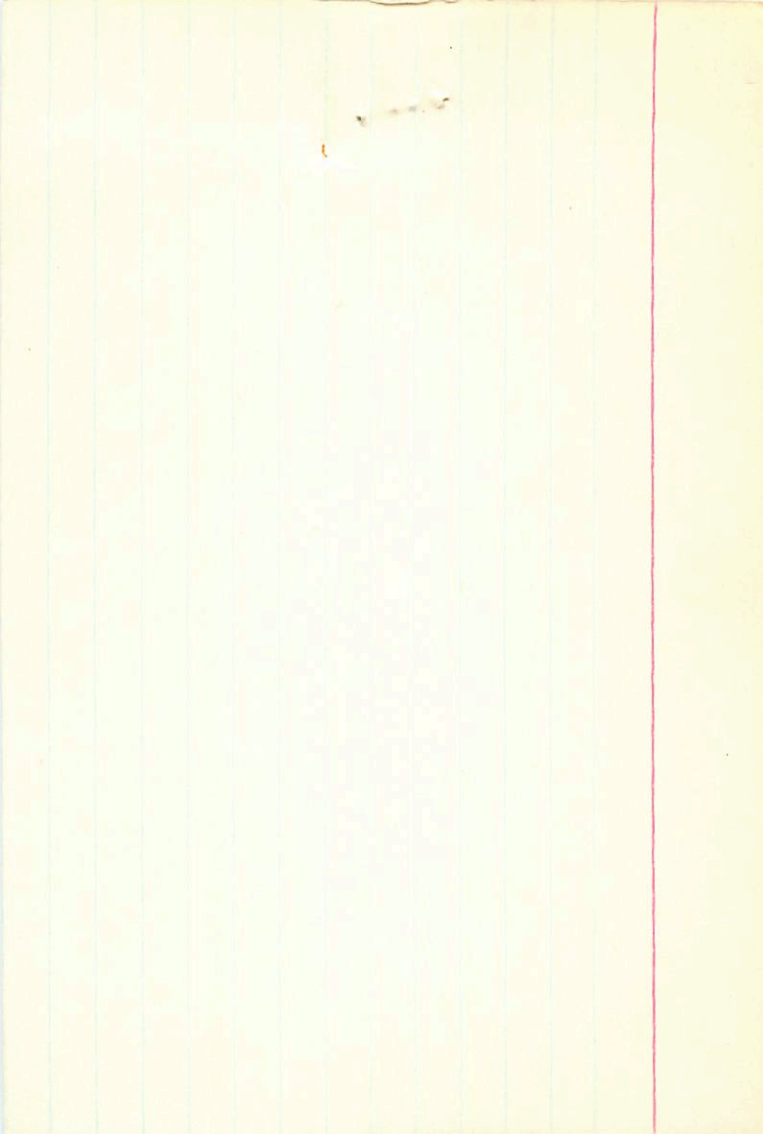
$$\begin{array}{r} 0999 \\ 1144 \\ -356 \end{array}$$

$$\begin{array}{r} 34494 \\ 25 \\ \hline 509 \end{array}$$

5212

$$\begin{array}{r} 6.97 \\ -1.7 \\ \hline 6.82 \end{array}$$

$$\begin{array}{r} 358 \\ -091 \end{array}$$



+76°357

9 11.2
9 16.2
9 21.8 46.0

+76 33
+76 2.2
+76 8.78

543

Y 2231
W 6114

HD 80768

56G(7)

792
200
2.5
1.5

11.7 100W
-2.163W
-10.1 100W

G.C. 12967 - .360 - .104

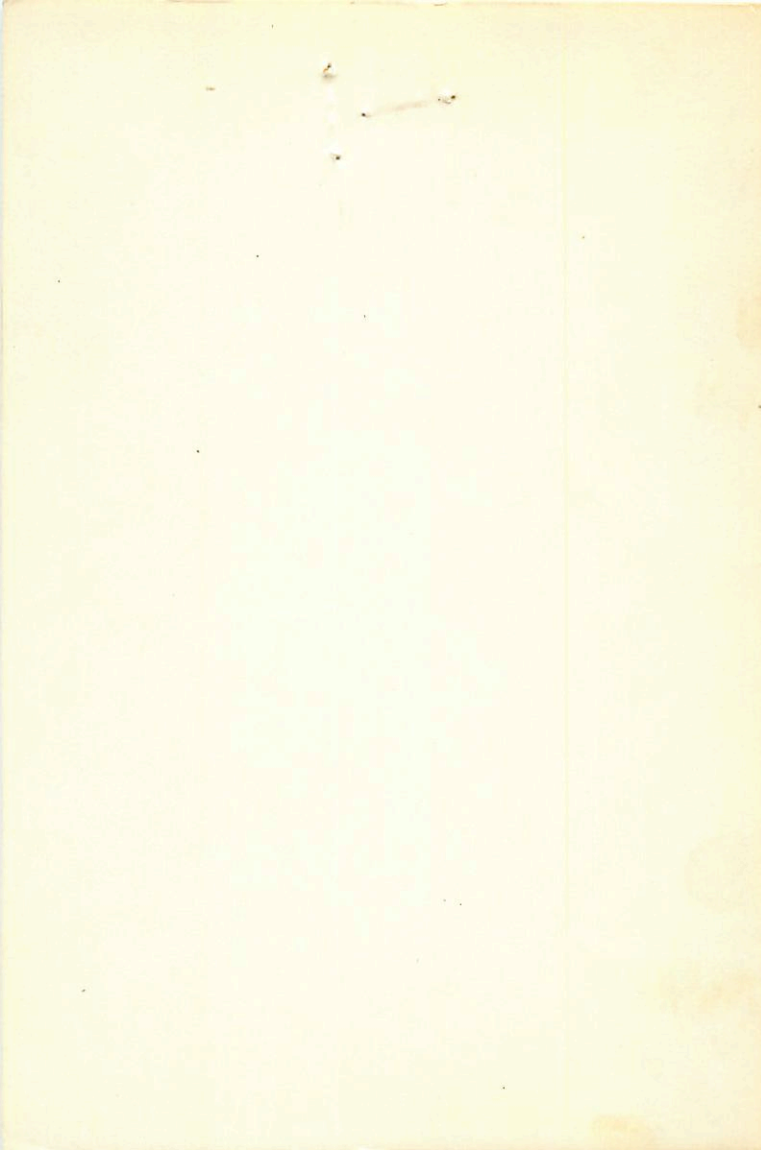
9.04 K8 +7.7
+0°.056

-246 -88
-0.360 -0.100
6.7
1.55

-329 -120 (12)

-348 -093 L

9.04 8.30 465 (2)





543.000*

9.000*

21.800*

76.000*

9.000*

-0.360*

-0.100*

1.550*

20.417

-6.700

1.398

0.590

24.594

-0.448

0.563

-12.931

-0.990

0.578

-24.089

| | | |
|------------|---|--------|
| 9.350 | : | R.A. |
| 78.150 | : | DEC. |
| N-1428.000 | : | R.A. |
| -91.000 | : | DEC. |
| 1.750 | : | STANCE |
| 22 | : | ODULUS |
| -11.700 | : | VEL. |
| -0.714 | : | (U) 1p |
| -0.370 | : | (U) 2p |
| 0.291 | : | (U) 3p |
| 1373.927 | : | QU |
| 23.847 | : | U |
| 0.031 | : | (V) 1p |
| 0.820 | : | (V) 2p |
| 0.283 | : | (V) 3p |
| -402.042 | : | QU |
| -12.748 | : | U |
| 0.700 | : | (M) 1p |
| -0.421 | : | (M) 2p |
| 0.278 | : | (M) 3p |
| N-1008.150 | : | QU |
| -22.284 | : | M |

R.A. : 9.350
DEC. : 76.150
R.A. : % -1496.000
DEC. : -91.000
DISTANCE : 1.750
MODULUS : 22
VEL. : -11.700
q1 (U) : -0.714
q2 (U) : -0.376
q3 (U) : 0.591
dU : 1373.957
U : 23.847
q1 (V) : 0.031
q2 (V) : 0.826
q3 (V) : 0.563
dV : -409.045
V : -15.748
q1 (W) : 0.700
q2 (W) : -0.421
q3 (W) : 0.578
dW : % -1006.170
W : -29.284

+38° 2037

9

19.9

+38

42

545

9

25.8 49.8

+38

17.22

59

29

64

McC-AC +.09 +.03

10.4

MO

+8.0

+40.2208

9 18.3

+40 8

267

9 24 17.7

+39 43.35

ND

E.B. Cox. +0.143 - .139

10.0 K8 +7.9

-4° 2639

9

22.4

-4 45

546

9

27.1 9.0

-5 9.95

47

83

50

Krypton -0.3 -47

10.0 MD + 8.1

+18° 22' 13

9 22.7

+18 54

269

9 28 0.7

+18 29.00

9 28
9 28

KS

✓ Inc C-AC +0.185 - .290

9.8 K8 + 7:

+27.24424

9

22.5

+27 36

547

9

28 3.0

+27 11.01

} STP

M₂C-AC - .114 + .137

10.6 MO +9.1

+12.2918

9 24.3 -12 52

26

+22267

9 28 $\frac{1}{2}$ 51.6 -13 17.10

w6166

355 AB

45
27
07

+49 (P)

+8 C 2 mcl

dm2

Rainier p < 1"

746

25

-0.15

+8

p = 1813

5 mm

126 M 8

115 V (10)

74 C (5)

114 Y (10)

90 Y R (7)

0.403

0.20

dry 0.070

Mod T 9.0

+0.763 +0.048

w 20.551

R 000440

+0.76

+0.07

0.726 +0.025

10.3 m2

+0.753

+0.044

9.84 +1.04 10

+0.773

+0.053

C R
M R

+ 735



W6166 322 9 28.9 -13 16 10.2 dM2

1202916

+56 2Mf

.093

+747 -002 46(10)

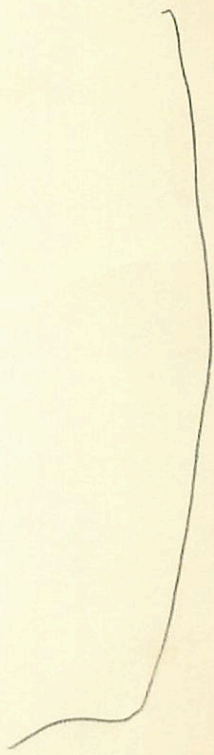
094

773 +053

X11

210

5.0



79.500
- 13.250
794.000
53.000
0.000
10
8.000

- 0.733
0.580
0.355
- 2540.167
- 22.565

0.057
0.572
- 0.818
353.781
- 3.006

0.678
0.579
0.453
2627.913
29.902

R.A. : 9.420
DEC. : -13.300
M. R.A. : 748.000
M. DEC. : 22.000
DISTANCE : -0.120
MODULUS : 9
RD. VEL. : 8.800

d1 (U) : -0.757
d2 (U) : 0.283
d3 (U) : 0.393
qU : N-2483.284
U : -12.725

d1 (V) : 0.048
d2 (V) : 0.271
d3 (V) : -0.819
qV : 232.009
V : -4.398

d1 (M) : 0.982
d2 (M) : 0.278
d3 (M) : 0.444
qM : 2422.208
M : 28.128

R.A. : 9.450
DEC. : -13.300
M. R.A. : 746.000
M. DEC. : 25.000
DISTANCE : -0.150
MODULUS : 9
AD. VEL. : 8.000

q1 (U) : -0.727
q2 (U) : 0.583
q3 (U) : 0.363
dU : % -2432.234
U : -19.792

q1 (V) : 0.049
q2 (V) : 0.571
q3 (V) : -0.819
dV : 235.006
V : -4.360

q1 (W) : 0.685
q2 (W) : 0.578
q3 (W) : 0.444
dW : 2425.908
W : 26.190

82478

9 246

427 B

1358

Carlsberg

9110-246

9110-246

Public 1066
1408

9088 4187
9088 2890

1065
1408
1065

+38° 28' 74.6

9 27.3 +38 11 549

9 33 10.1 +37 45.59

1105 141 10.10 0.12

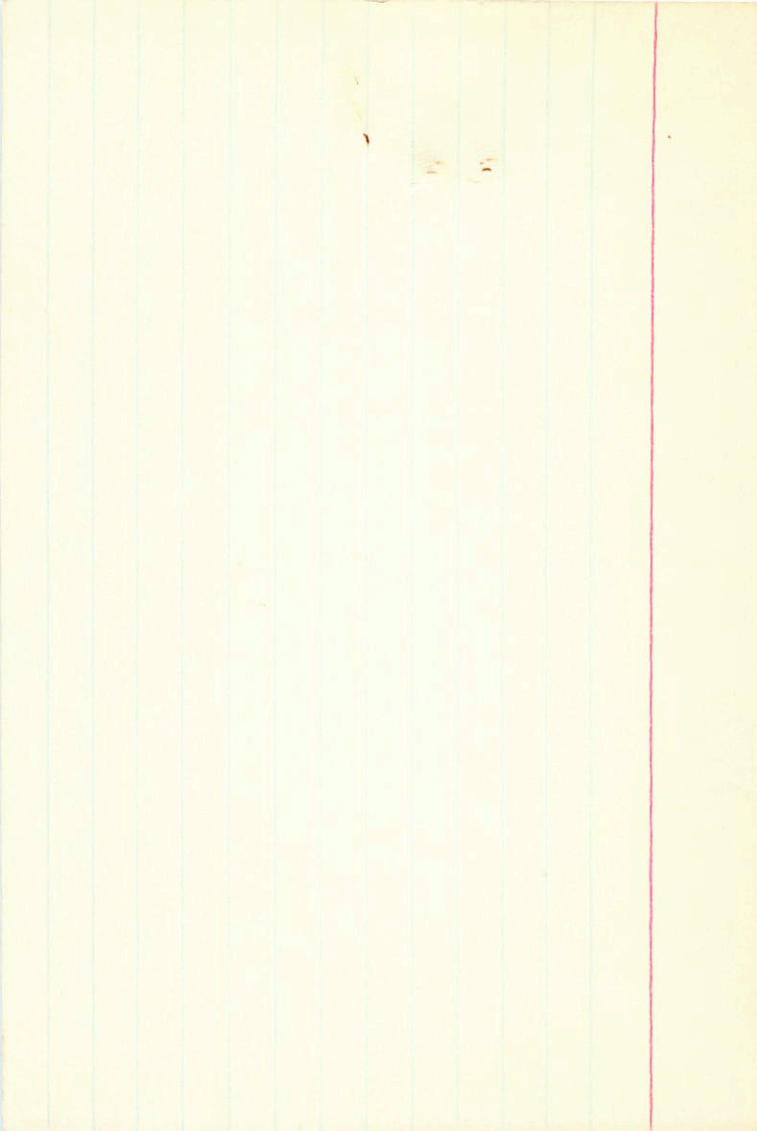
McC-AC -0.073 -0.075

10.7 MO +8.7

269

9 227 + 18

+182213



+23.2121

| | | |
|---|------|------|
| 9 | 29.0 | |
| 9 | 31.7 | |
| 9 | 34.4 | 24.6 |
| | 54 | |
| | 27 | |
| | 81 | |

| | |
|-----|-------|
| +23 | 21 |
| +23 | |
| +22 | 55.47 |

270

BB (29)

MO

-30 ~~day~~ H+PL

| | |
|-------|-------|
| 36.1 | 3 up |
| 133.7 | 2 OCW |

inc C-AC -0.13 -0.17

| |
|-----|
| 827 |
| 56 |
| 56 |

| |
|------|
| 34.9 |
| 1 |

9.2 KB +7.7

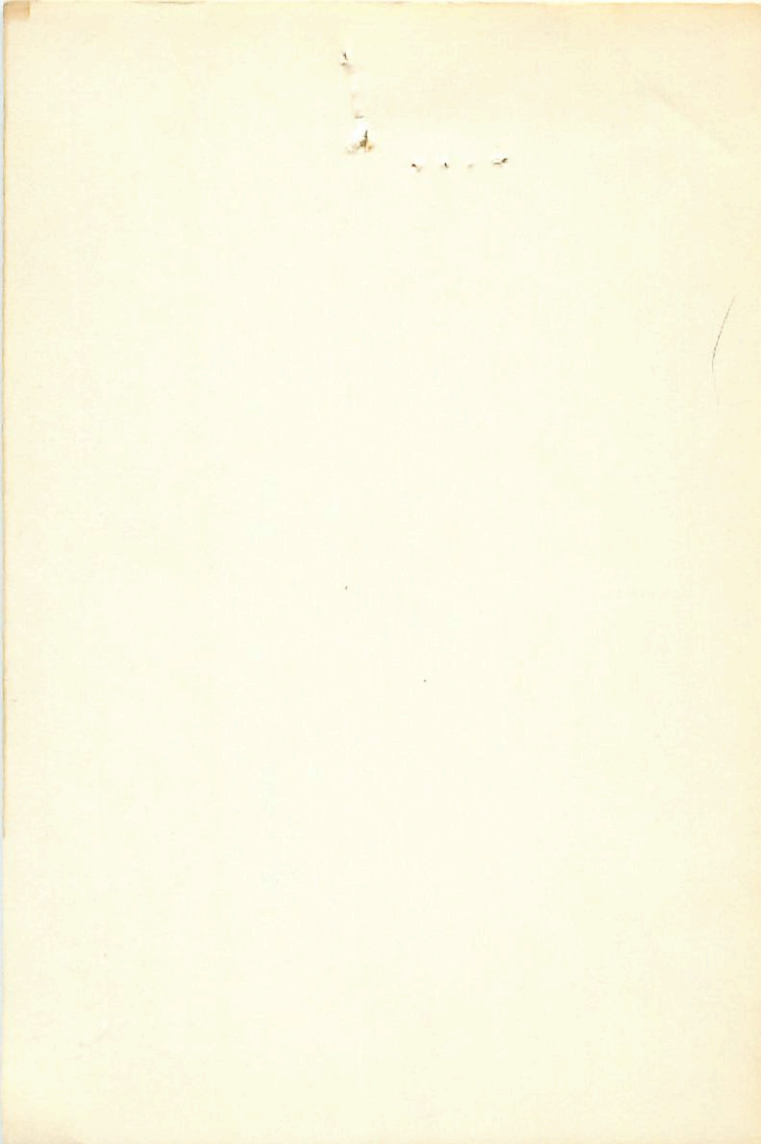
| | |
|--------|--------|
| -0.136 | -0.173 |
|--------|--------|

-140 -176 ACW3

147
123
115
34.9

132 -188 ✓

| | | |
|----------------|-----|------|
| 130 | 140 | 155 |
| | | 33.5 |





270.000*

9.000*

34.400*

22.000*

55.000*

-0.130*

-0.180*

1.550*

20.417

-33.500

0.232

0.616

-15.897

-0.849

-0.322

-6.561

-0.577

0.719

-35.892

270

9 37.4 + 22 56

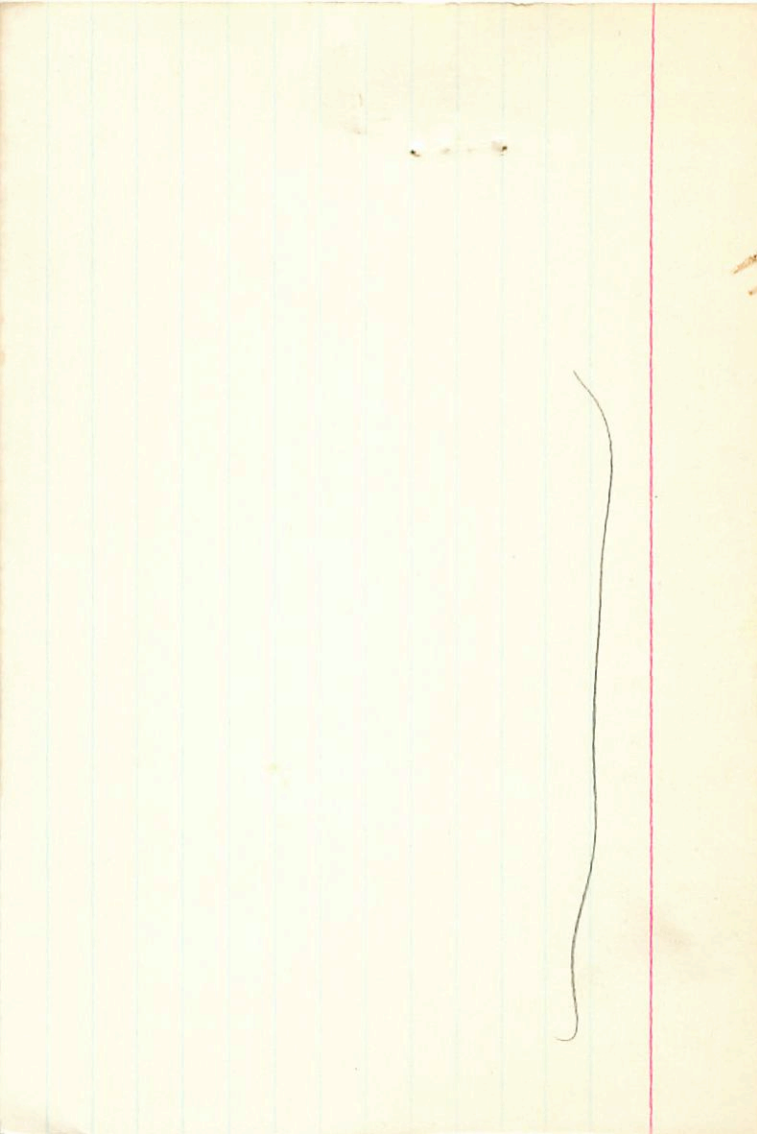
+ 2302/27.

Normal

9.50 + 1.29 + 1.28 ②

+ 0.52 ③

- 33.7



R.A. : 9.800
DEC. : 22.900
R.A. : -147.000
R.A. : -173.000
DISTANCE : 1.150
MODULUS : 17
RAD. VEL. : -34.900

p1 (U) : -0.745
p2 (U) : 0.267
p3 (U) : 0.811
q1 : 229.810
q : -18.908

p1 (V) : 0.875
p2 (V) : 0.944
p3 (V) : -0.321
q1 : -822.873
q : -2.747

p1 (W) : 0.893
p2 (W) : 0.194
p3 (W) : 0.734
q1 : -284.141
q : -32.179

R.A. : 9.600
DEC. : 22.900
PM. R.A. : -147.000
PM. DEC. : -173.000
DISTANCE : 1.150
MODULUS : 17
RAD. VEL. : -34.900

q1 (U) : -0.745
q2 (U) : 0.267
q3 (U) : 0.611
dU : 259.616
U : -16.908

q1 (V) : 0.075
q2 (V) : 0.944
q3 (V) : -0.321
dV : -822.073
V : -2.747

q1 (W) : 0.662
q2 (W) : 0.194
q3 (W) : 0.724
dW : -584.141
W : -35.176

123° 2124

9 29.7

9 ^{32.4}

9 35.162

+23 10

^{7.22} 57

+22 44.42

871

871

ND

-5410 cal

Inc C-AC -0.080 -0.097

9.8 180 + 7.7

9.50 + 1185 + 130

9.30 + 0.50

-5.0

-87

992

62

-97

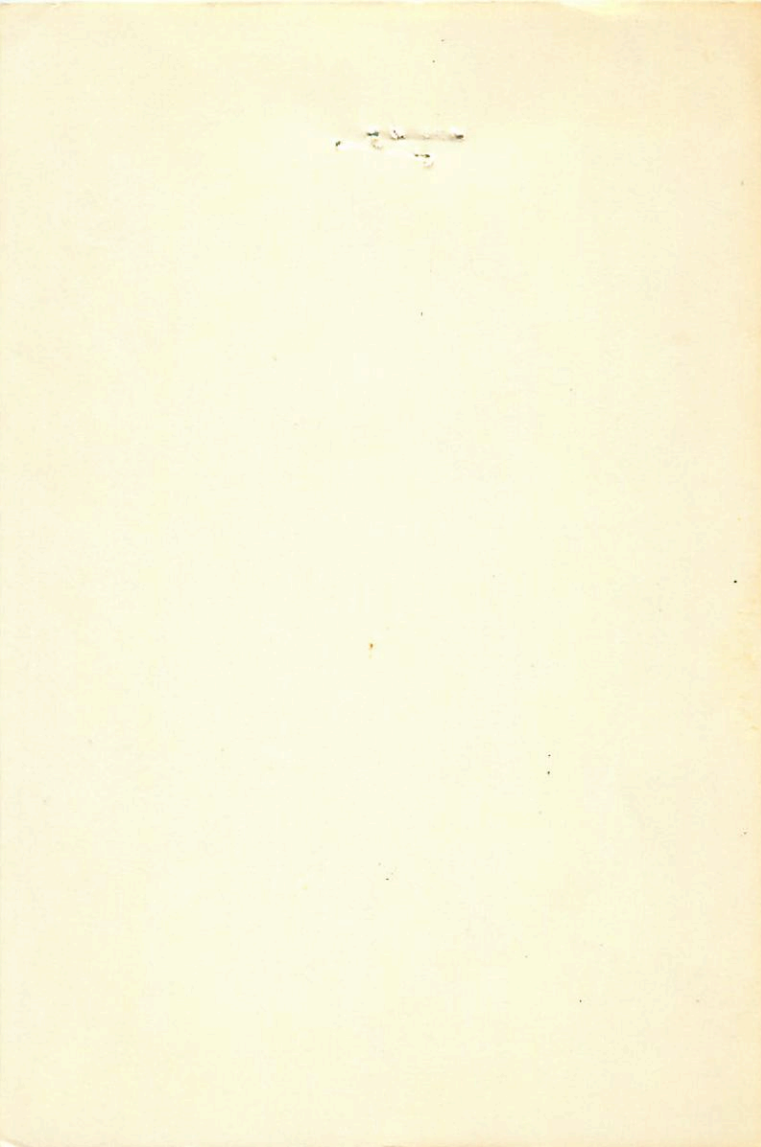
923

593

235

188

-6





1. 1000
 2. 1000
 3. 1000
 4. 1000
 5. 1000
 6. 1000
 7. 1000
 8. 1000
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 91. 1000
 92. 1000
 93. 1000
 94. 1000
 95. 1000
 96. 1000
 97. 1000
 98. 1000
 99. 1000
 100. 1000

2

271.000*

9.000*

35.100*

23.000*

44.000*

8 0.000*

-0.097*

2.350*

29.512

-5.000

-0.405

0.613

-15.016

-0.406

-0.324

-10.370

0.161

0.721

1.162

| | | |
|---------|---|----------|
| 0.021 | : | QU |
| 120.044 | : | P3 (U) |
| 0.210 | : | P2 (U) |
| 0.228 | : | P1 (U) |
| -0.742 | : | AD. VEL. |
| -0.000 | : | MODULUS |
| 23 | : | DISTANCE |
| 1.820 | : | PM. DEC. |
| -07.000 | : | PM. R.A. |
| -07.000 | : | DEC. |
| 22.750 | : | R.A. |
| 0.000 | : | |

| | |
|------------|---------|
| R.A. : | 9.600 |
| DEC. : | 22.750 |
| PM. R.A. : | -87.000 |
| PM. DEC. : | -97.000 |
| DISTANCE : | 1.850 |
| MODULUS : | 23 |
| AD. VEL. : | -6.000 |
| q1 (U) : | -0.745 |
| q2 (U) : | 0.268 |
| q3 (U) : | 0.610 |
| du : | 160.044 |
| | 0.091 |

-9°.2895

9 32.2

-9 33

272

9 36.850.9

-9 58.76

4.6

239
6

and

chc C - AC +0.05 -0.05

9.2 K5 77:

+0.050-0.050

+45° 1755

9 35.1

+45 8

553

9 41 11.3

+44 41.95

H₂ ph. I 16 +.099 -180

10.4 K8 +7.4

+17° 2130

9 38.7

+17 11

555

9 43 55.9

+16 44.70

McCAC -1.87 +.043

10.5 K8 +7.3

+2° 2017-23

9 39.8

+ 2 15

556

9 44 42.4

+ 1 48.63

McC-AC - 0.059 + 290

10.6 Mo + 8.3

557

9 48.3 + 37 50

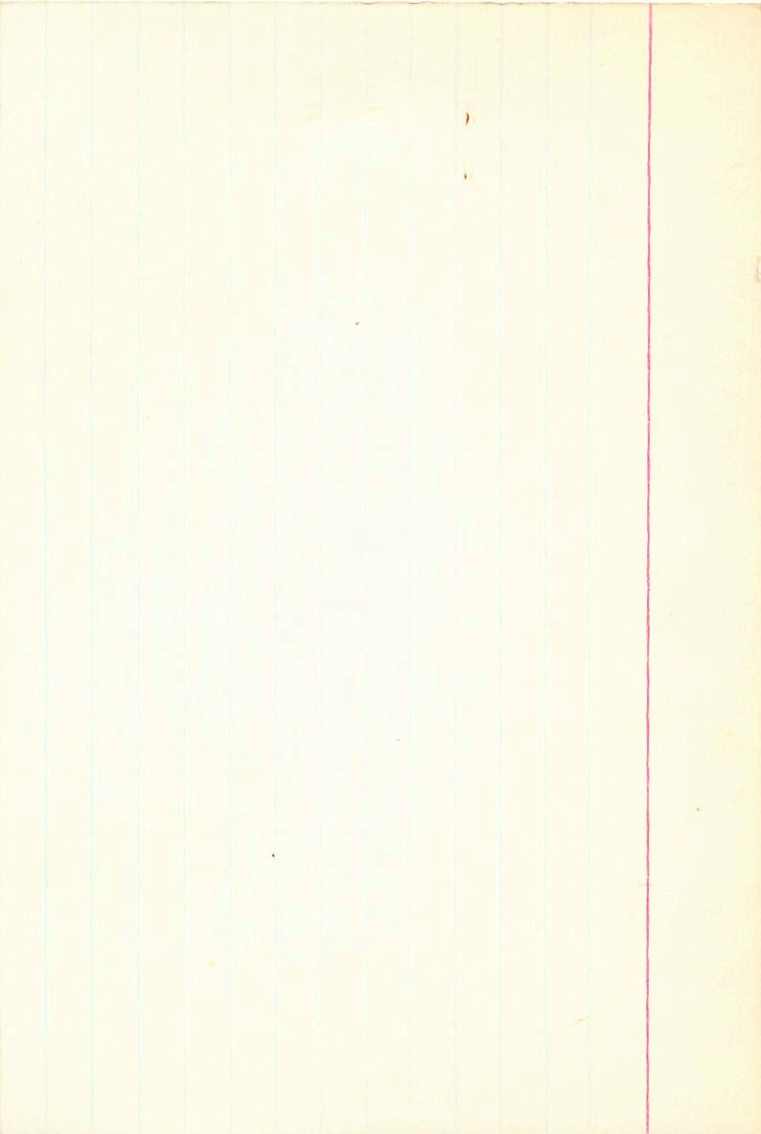
+3802075

10.04 + 1.00 + ~~1.02~~ + 1.02 (2)

+ 0.41 (1)

-127

-024-007



738° 2075

9 42.5

+38 17

557

~~9 45.4~~
9 48.3172

~~7 38~~
+37 50.39

58
597

NOY 140 102 - 04 02

9000
6435
8559

E.B. dex. - .029 - .0077

9.4: K8 +7.4

12.7
2.9

-0.029 -0.007

12

557.000*

9.000*

48.300*

37.000*

50.000*

-0.029*

-0.007*

2.900*

38.019

-12.700

0.102

0.627

-4.100

-0.048

-0.063

-1.024

-0.086

0.777

-13.128

202 11.2741

Y 2334

W 3W

W6310
GC 13557

863

103

7.60
7.20

+1169 -1425 Lin 18-1167

+1.174 -1.450

9

43.9

-11 37

27

9

46.2
48.531.2

-11 49
-12 3.67

46
23

79M(7)
844(12)
840(7)
356(15)

tblc 4W
dm2

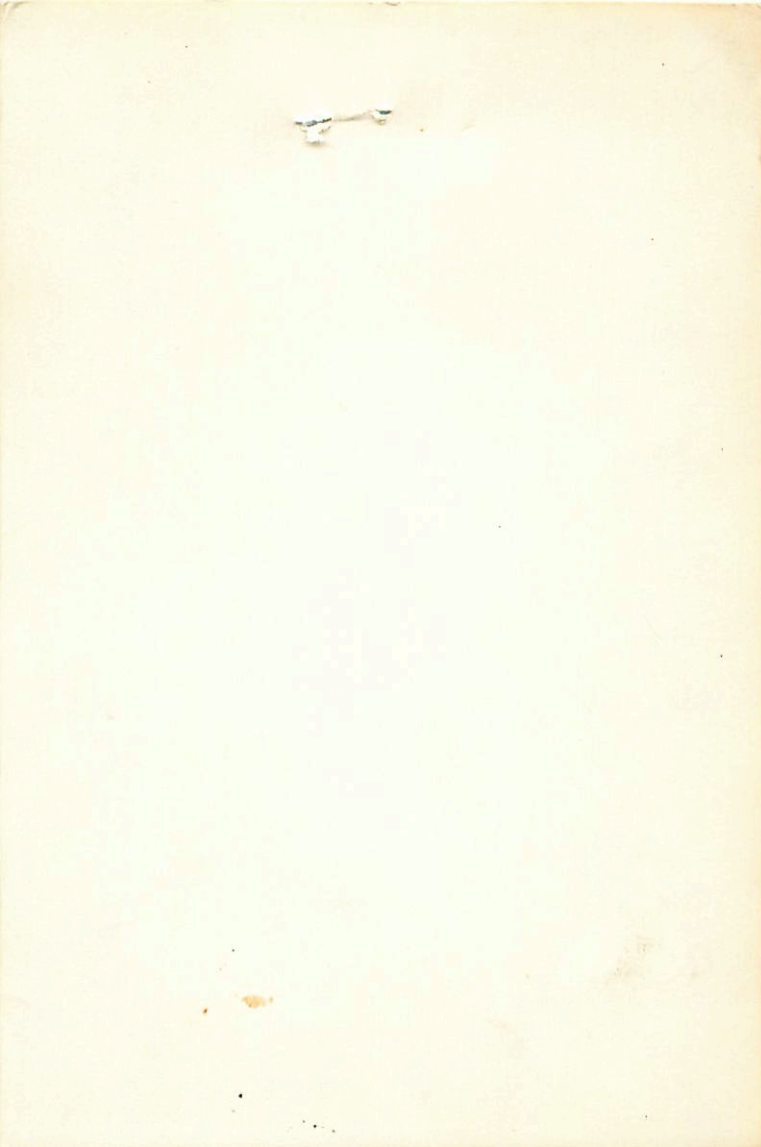
+627 (15)

9.8 m2

tbl.5

+1157 0.6
-1448

10-10 +1.48 - (1)
9.01 +0.78 (3)



1911

1912

1913

1914

1915

1916

1917

1918

1919

1920

1921

1922

1923

1924

1925

1926

1927

1928

1929

27.000*

9.000*

48.500*

-12.000*

-4.000*

1.157*

-1.448*

0.600*

13.183

61.500

-8.064

0.307

-87.410

-3.446

-0.799

-94.585

-0.537

0.516

24.675

-1102241
— 9 48.7 -12 04 10.0 dm2 4616.4

13557

6310

Y2334

39.556 1505.4 -12 4 29.61 19046
-3.247 1190
36.309 -1460
9.70

7655

10222

M 79M(17)

85(112)

840(17)

340(15)

10228

10803

10798

87

117858

11148

11161

1157

1438 GC

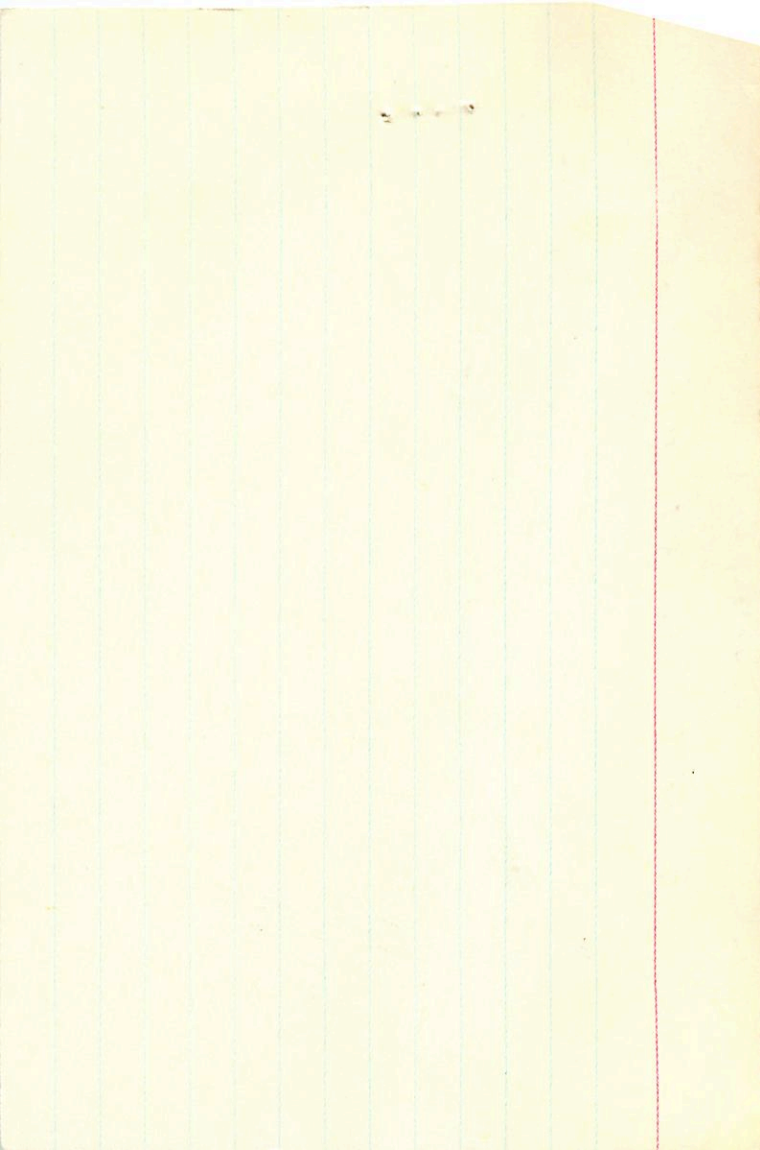
1459#4 CR

7R

MR.

24.33

65.28



-1102741

9 48.7 -12 05

G161-80

$9.01^{25} + 0.78$ (3)

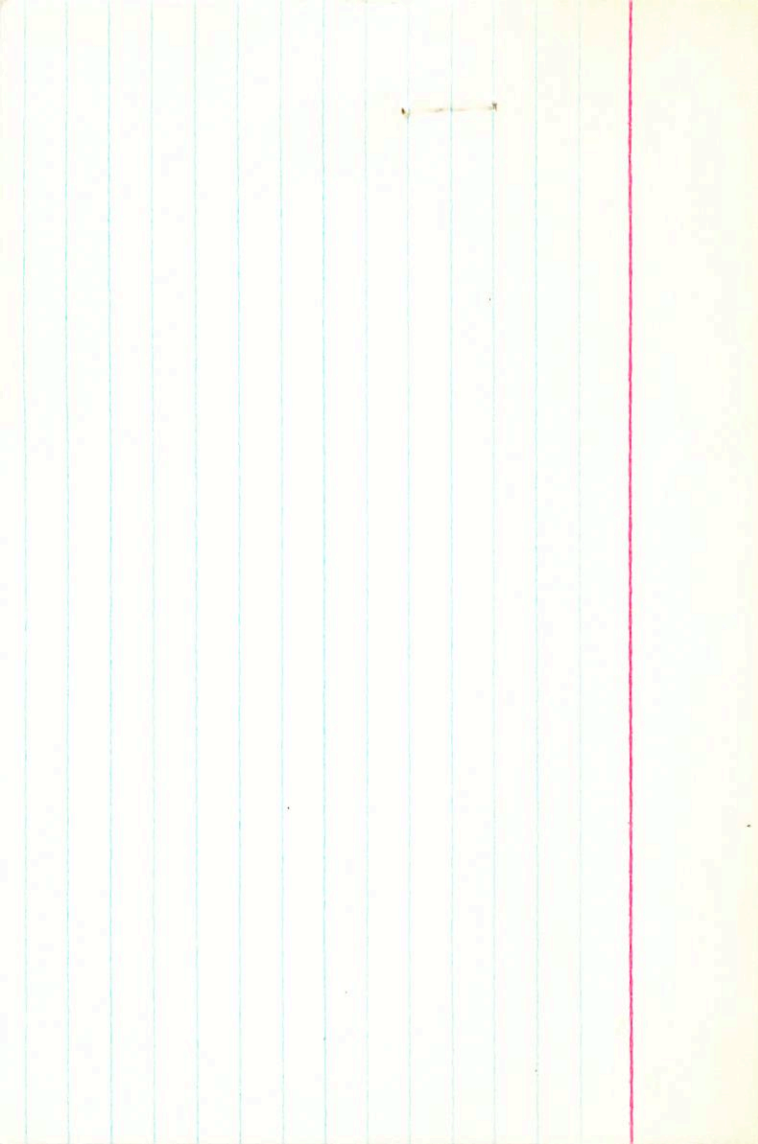
~~5.05~~

10.00 + 1.48 + 1.15 (1)

+6/12

813
102
9.0
1.7
+90m₁₀₀

+1160 - 1460 TL(3)



R.A. : 2.800

DEC. : -12.100

PM. R.A. : N-1184.000

PM. DEC. : N-1460.000

DISTANCE : 0.700

MODULUS : 14

AD. VEL. : 23.200

p1 (U) : -0.700

p2 (U) : 0.201

p3 (U) : 0.300

q1 : 343.944

U : 23.930

p1 (V) : 0.100

p2 (V) : 0.200

p3 (V) : -0.800

q1 : N-4884.027

V : -114.410

p1 (W) : 0.931

p2 (W) : 0.201

p3 (W) : 0.212

PM : N-7480.207

M : -71.900

R.A. : 9.800
DEC. : -12.100
PM. R.A. : % -1186.000
PM. DEC. : % -1460.000
DISTANCE : 0.700
MODULUS : 14
RAD. VEL. : 62.200

q1 (U) : -0.768
q2 (U) : 0.561
q3 (U) : 0.308
dU : 343.944
U : 23.936

q1 (V) : 0.109
q2 (V) : 0.590
q3 (V) : -0.800
dV : % -4684.057
V : -114.416

q1 (W) : 0.631
q2 (W) : 0.581
q3 (W) : 0.515
dW : % -7486.507
W : -71.330

+3° 2399-55

9 45.1

+3

48

559

9 50 2.2

+3

21.23

HR

MeC-AC - .044 - .021

11.0 MO + 8.7

-9452
0983

W6339 9 52.35 +6302 9.1 dmi +10.6.8

+13.8
715.6 ①

9.02 +1.45

-264 ± 1 -559 ± 2 ✓

-289 ₃₁₇ ⁸⁰ -578 G: (6)

68 ± 9 G-

57 ± 6 Mc

113 ± 3 W

79 ± 7 ✓

562

+481929

9 53

84 ML

10.07 +1.37 +1.13

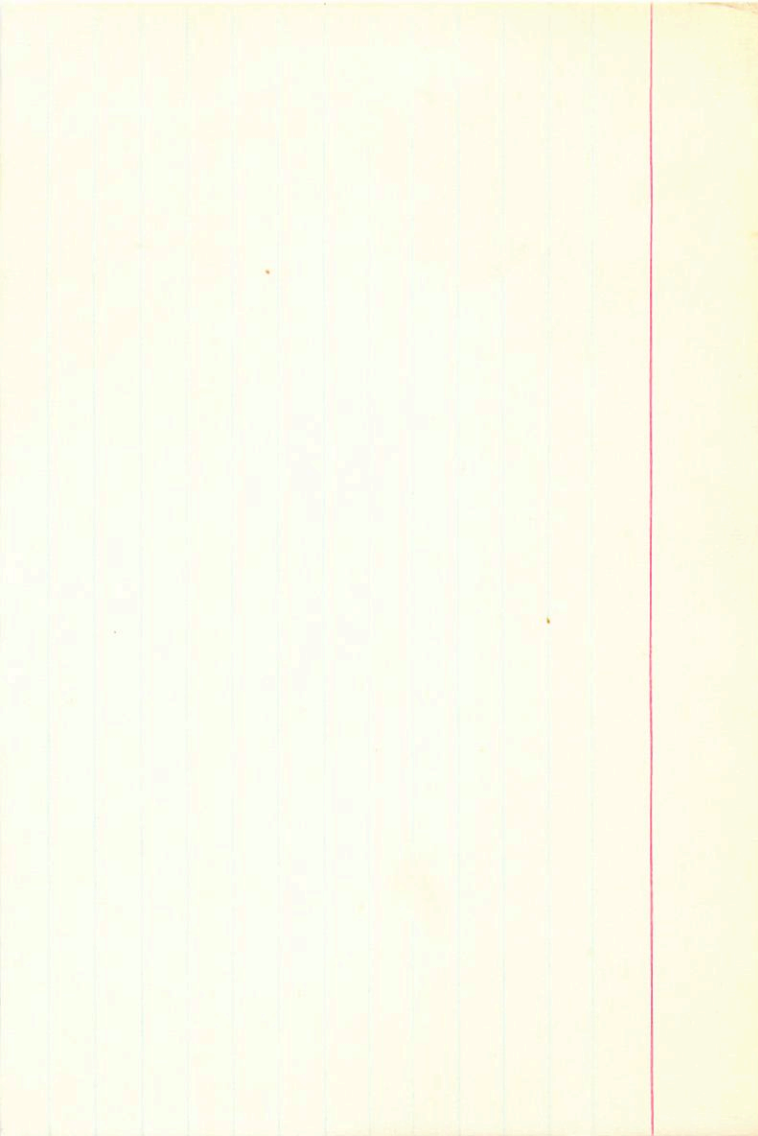
③

+0.92

②

96

-1.54 -1.39 dytes



+33.1931 9. 51.3 +33 47 122

9 56 53.8 +33 19.75

ML-AL: 000 +078

10.8 110 +8.8

-8° 2823

$\begin{array}{r} 9 \\ 9 \end{array}$
 $\begin{array}{r} 53.7 \\ 56.0 \\ 58.4235 \end{array}$

$\begin{array}{r} -8 \\ -9 \\ -9 \end{array}$
 $\begin{array}{r} 50 \\ 4 \\ 17.38 \end{array}$

563

LTT 3669

47
23

Gale Zone -0.368 +0.025

9.4: K8 +6.9

$\begin{array}{r} +1 \\ +1 \end{array}$
 $\begin{array}{r} -2 \\ -1 \end{array}$

~~89~~

863

84

| | |
|--------|--------|
| -0.366 | +0.022 |
|--------|--------|

-360 000 V

374 020 G

-368 +15

563

9 53

-802823

= 21220

9.81 + 1.05 + 0.93 (3)

9.88 + 1.09 + 0.92 (1)

9.86 + 1.08 + 0.93 (4)

check
~~+ 0.88 (3)~~

~~9.38 + 0.44 (2)~~

9.24 + 0.375 (5)

-366 + 22

7/24