

430 153

3.15 ✓  
+6.46  
113.9  
5.0  
+5

3 04.8 +6 28 062 +5 (5B)

958  
19361

-0007-0040  
-00045-0035

5.54 +1.04 +0.70 C

Sp B AS  
6-C

-0127  
-0111-006

020  
46.969 19059  
989

+0700  
-0005335

-0010  
-0009  
-0008  
-0006  
00032.6

25.70 1908.5

19.75  
527

-0142  
-013-009

46.937  
+022  
959 35  
46.930  
+020  
959

46.947  
-11  
984

6570

25.52 .35  
-16  
36

1940.05

+21  
25.36  
1940.90

46.934 25420  
948  
-4  
30

25.34  
25.34  
1940.83

3.150

6.450

-13.000

-9.000

5.000

100

8.000

0.543

0.403

0.736

-50.470

0.844

-0.668

0.739

0.087

9.327

1.632

0.509

0.539

-0.671

-54.173

-10.785

964 B 12.6 + 55 45

20123

-0514

+01091 -0225 W<sub>3</sub> 10

04200 42 -0247 3.2

+50.76

44

27.5

7.5

+2.2 ✓

+0140  
+502.5 -027.5

1-1  
00000  
10000  
20000  
30000  
40000  
50000

1-1  
00000  
10000  
20000  
30000  
40000  
50000

1-1  
00000  
10000  
20000  
30000  
40000  
50000

1-1  
00000  
10000  
20000  
30000  
40000  
50000

26 74.7  
1016

-0015 ± 3.9  
-0023  
-0044 -021  
-23

-020 ± 3.6  
-030 -025 -023

20894 3 19.2 49 5.7 9 6.3 + 8.1 8

10017 -028  
Lumber

-249 + 50 (1.96) C

1860

4015 12.900

-23 48 48.77 19043

065  
965

+1.19  
47.58

33

12.828  
49.4  
49.10

-0019 -028

238

7.321  
5.552  
5.537

73.18 1932.93

-26

42.755.195  
MF

-0268  
25.25

-60

2.823  
11.522

47.93

48

893  
+11  
900

47.92

7310 + 81

12.555  
+4  
892

48.54

34.6

1136 750

491  
3.0  
1010

48.69 1940.17  
+11  
48.58

32.3

663.5 1141 727 - 6336 0388 10095 + 20 + 5.0

48.56  
-1.98

78

.A. : 3.300  
EC. : -23.800  
.A. : -23.000  
EC. : -28.000  
NCE : 4.650  
LUS : 85  
EL. : 8.100

(U) : 0.516  
(U) : 0.728  
(U) : 0.452  
dU : -148.050  
U : -8.941

(V) : -0.667  
(V) : 0.672  
(V) : -0.321  
dV : -22.669  
V : -4.530

(W) : 0.537  
(W) : 0.136  
(W) : -0.832  
dW : -71.637  
W : -12.839

573

1701

58

198



+000 +001 4

1.95

-236

62 And

MS cer

8

19.2

+27

26

965

16.26

20825

020 331 194

4.47 01850

~~5.44 642 443 328~~

~~WNY~~

3.3  
+224  
+10

45.86

+000 500  
+000 500  
+000 500

+000 8 -007 -8  
+000 69 -0049 5.45  
+0.2

11.112

+3

+00.8 -0114

WNY

134

5.54 693 463 392

+000  
-003

+0092

1009-008

482 859

+000 4  
+000 8 ±2.7

-012 ±2.2

11.4

11.419 1898.7  
11.378

1898.6  
46.41  
1116 807

+0.2

11.279

1241 863

46.31 1927.94

46.53 1940.36

+12

1241 863  
1241 863  
46.31

46.43

11.391

1.252-871 302 MF

1.238 862 299

1.238 862 299

11.401

11.410

3.300

27.400

10.000

-8.000

5.450

123

.02

6.200

0.516

0.104

0.850

17.771

7.450

+10.3

+72

-0.667

0.671

0.323

-53.534

-4.585

-13.4

-3.9

0.537

0.734

-0.416

-5.211

-3.218

-21

W48

+9.7

+1.3

-3.4



25057

245 804 204 742

807 388 045 143 2013

8.12

200

45.98 1.160 .740

.170  
/12 = C<sub>am</sub>

318

68 II

0.7 am

3 22.1 + 8 5/

1030

212

484

3.58 534 241 492  
842 321 507

S B d  
1665.0

2.1120

- 494  
15 494

3.60 + 0.89 + 0.61 C

837 525 354

3.25 + 0.31 4 J

3.24 + 0.310 9 A

+ 0.300 Coming

W<sub>6</sub> 50

358 536 341 492  
363 548 322 507

- 0.00464 - 0.0744  
- 0.0445 - 0.0754

~~363 544 331 486~~  
358 536 341 492

2.9 72.5

486 494  
318

- 0.660

- 21.06 540 336 489<sub>544</sub>

2.95

1877

- 0.65 - 0.78

14

310 540 332 497

1152-738 168 (1.1 F. 504)

000 313- 122-404

15 Bu  
999  
2410

8  
14.2  
222  
42  
986

1030.000\*

3.000\*

22.100\*

8.000\*

51.000\*

-0.067\*

-0.078\*

2.950\*

38.905

-21.000

-0.296

0.782

-23.0

-27.929

-0.062

0.081

-3.1

-4.115

-0.382

-0.618

+44

-1.902



S.67

R.A. : 3.450  
DEC. : 12.750  
M. R.A. : 20.000  
M. DEC. : -1.600  
DISTANCE : 5.730  
MODULUS : 140  
RAD. VEL. : 14.700

q1 (U) : 0.488  
q2 (U) : 0.311  
q3 (U) : 0.816  
dU : 42.735  
U : 17.971

q1 (V) : -0.666  
q2 (V) : 0.737  
q3 (V) : 0.117  
dV : -67.146  
V : -7.679

q1 (W) : 0.565  
q2 (W) : 0.600  
q3 (W) : -0.567  
dW : 47.664  
W : -1.658



6364

639

2

098

-2

04

964

+3166

EL 42.0

13468

542 +0.97 7 +0.72 C -0007 -0245

3.600  
-70.500  
-55.000  
9.000  
6.000  
158  
2.400

MG

0.459  
0.827  
-0.325  
11.429  
1.031

803

109  
187  
94

-0.663  
0.075  
-0.745  
37.686  
4.185

0.2

+1.3

0.591  
-0.557  
-0.583  
-54.582  
-10.037

-8.9

1203  
885  
239



-008-0004

1222  
24882

3 544 124 19 150 -1346

-002 -0105  
-004 -0085  
-004 -011  
-004

82

0005  
0000  
000345  
-004  
-001  
-01144.5

0003 -005  
00016 -0031  
0025

6-84 15093

26732 19078

6584

26708

6.97

200 1928.04

26695

27  
732

6.88

3.9

26681 1928.04

243

1336 1660 260 .702

3

199

1357 1074 0365 MF

6.5 -13.4

3.900  
24.300  
3.000  
-5.000  
6.500  
200  
-13.400

0.399  
0.120  
0.909  
2.324  
-11.718

-0.655  
0.731  
0.191  
-25.812  
-7.711

0.641  
-0.672  
-0.370  
-7.616  
3.441

1116 1289 587 9114  
~~252 808 1017~~

527

12521  
5874

12521 5874 5874 5874 5874

5874

6.42 + 1.06 (0.13) 06

(5874)

-0020 -030 stay

Table 2 of paper

-00195

increasingly

-0238

where function

5874

5874

10216 848 2554

-020-032

AD21574

Wick & Bond

54.215 974

$$\frac{116}{325}$$

-0021-14.5  
-03921  
-029  
-031  
803 92.2

$$\frac{137}{106}$$

54.178

$$\frac{11}{189}$$

70.32

8.36

$$\frac{11}{8.35}$$

54.205

$$\frac{1}{920}$$

54.21

8.00

$$\frac{1}{7.91}$$

4.150

-35.400

-25.000

-32.000

5.000

100

~~28.000~~

27.8

0.347

0.860

0.375

-163.916

-1.4

-5.574

96

-3.2

-0.646

0.509

-0.560

-16.9

-14.826

-17.310

-171

0.680

0.045

-0.732

-28.1

-72.448

-27.584

2 Ret

321 89  
+0058 ✓  
+0042  
13.8

049  
+047  
+042  
+35.3 st  
+35.6a

AR 1036

359

333 +0.92

6.6 II

NO?

000 310 166 090 -1-07 324 +025 +74 +043 +048 6c

12 ~ 49 ~ 46.534  
- 274  
1.260

1905.5 -62 35 55.01 1400.9

64.40  
- 2.36  
57.37

52 II 149m

27254

46683 5442

2450  
46.475

5445

55.64 1938.52

5164  
157 -39  
436  
FR 5

42.2

55.71 19608

1151  
9617  
453  
2.59 +0059 +045  
356

55.16  
+ 21.21  
48.0  
47.2

10044 10453  
506

100583 +0468

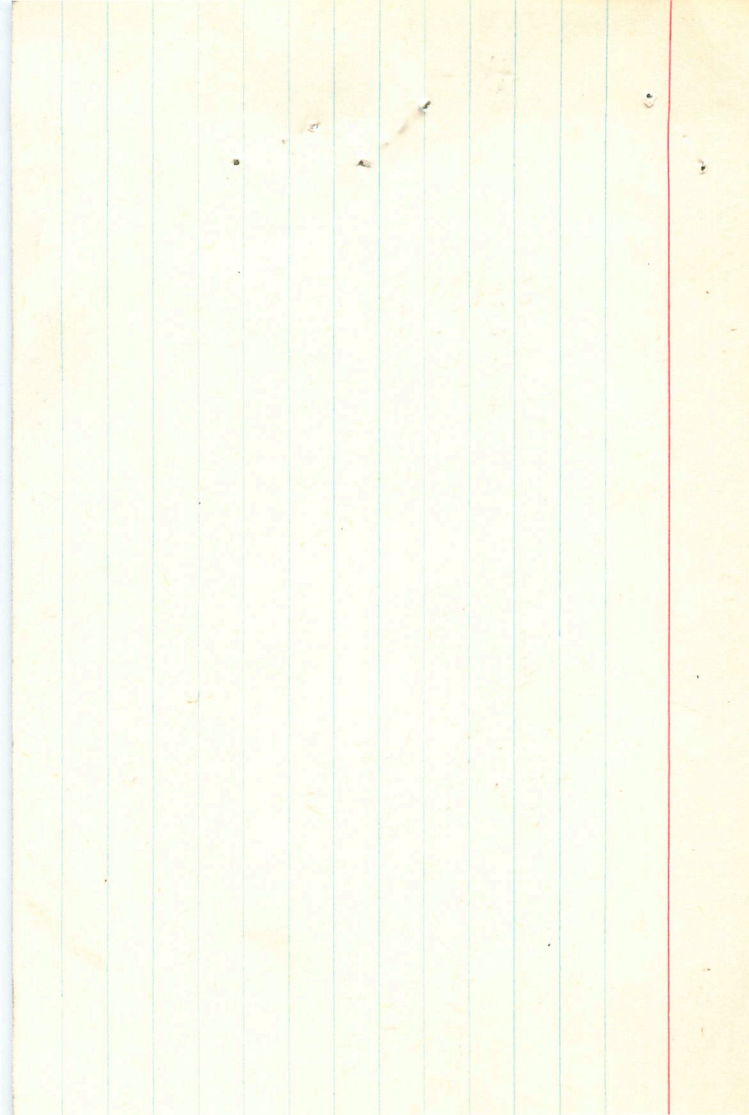
+ 246

46.587  
-10  
577  
1147 759  
151 195  
151 195  
+ 246

0402

10044 +045

5-4.67 1957.26  
+ 54.61





1336

4 13.8 48

-62° 36'

3.36 65

α Reti

51641

2450

27256

747 1011

0.34 + 91 + 636

50

8387

10497

F104

+35.6 a

Umer-HO

~~10497~~

0596

00683

10497

12 m, 49", c pm

+0465

+1051+047

+0008

+3668

+1206

-1508

+2840

+2380

+1231 +2437

=2374 +0466

+2562 -0212

-2.0 0.333 0.942 -0.056

-26.6 -0.642 0.180 -0.746

9591 842 0.693 -0.282 -0.664

2880 8256

000 310 1154 204 168 090 11 14 327 4086 94

528

387	557	337	483
334	550	373	451

310

4 13 46.583 1927.5 -62 35 55.01 1928.0

4356

288

~~41~~  
96

224

420

883  
 +134  
 -320  
 184

R.A. : 4.200  
DEC. : -62.600  
R.A. : 96.700  
DEC. : 45.300  
TANCE : 2.590  
DULUS : 33  
VEL. : 35.600

1 (U) : 0.337  
2 (U) : 0.940  
3 (U) : -0.057  
dU : 272.810  
U : 6.948

9.9

1 (V) : -0.643  
2 (V) : 0.185  
3 (V) : -0.743  
dV : -96.005  
V : -29.607

204

201

1 (W) : 0.688  
2 (W) : -0.287  
3 (W) : -0.667  
dW : 83.412  
W : -20.999



2508

683 474

250813 341 467

25882

116

03

17

23.6

(1474)

5-2-202

650297

02220

584304

11660714

COBY 1-74

75

012

887

152

(1474)

k Re-k-

500-5000-450+

600-

4/4

174



-010-010-

38

01-

11-

11 900 1000

545

110 100-

9/11- 695 6281

9- 5/1-

9/11-

117

216

2201

258

(1474)

02

185

9/11- 6 185 058 681

4.400  
17.000  
-11.000  
-10.000  
9.950  
977  
-11.600

0.294  
0.221  
0.930  
-25.140  
-35.354

-0.633  
0.774  
0.016  
-5.098  
-5.167

0.716  
0.594  
-0.367  
-63.835  
-58.119

4.400  
17.000  
-5.000  
-8.000  
9.950  
977  
-11.600

0.294  
0.221  
0.930  
-15.052  
-25.496

-0.633  
0.774  
0.016  
-14.987  
-14.831

0.716  
0.594  
-0.367  
-38.736  
-33.591

dW : 0.000  
W : 0.000

R.A. : 4.400  
DEC. : 17.050  
R.A. : -1.500  
DEC. : -6.000  
DISTANCE : 8.580  
DULUS : 520  
VEL. : -11.600

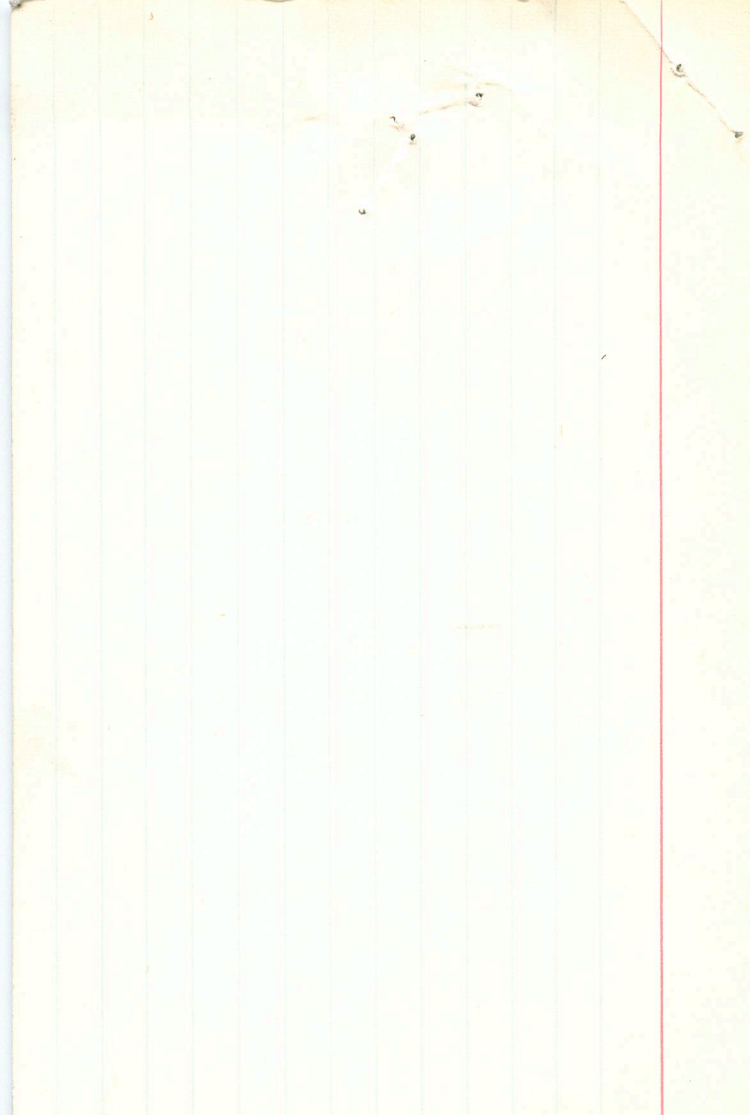
q1 (U) : 0.294  
q2 (U) : 0.221  
q3 (U) : 0.930  
dU : -8.269  
U : -15.089

q1 (V) : -0.633  
q2 (V) : 0.774  
q3 (V) : 0.017  
dV : -17.700  
V : -9.396

q1 (W) : 0.716  
q2 (W) : 0.594  
q3 (W) : -0.367  
dW : -21.757  
W : -7.057







0000 +2.3 -033 = 2.0  
-0003  
-000  
-034 031

+31.80

4 23.8 +14 36

TTan

4.76" +0.98 6.84

4R1396

1900.5 +14 36 8.14 1900.5 -033 6C

46.696  
0  
164  
-----  
9.83

46.696 1900.5 +14 36 8.14 1900.5

28100

2595

46.646

32  
-----  
678

8.72 1935.0

12

199 10311

2054  
-----  
685

8.66  
-----  
-0.17

21.920  
24.712  
-----  
46.632

43.29

27.087

1927.18

33.9

104.3  
-----  
-1.425

46.697

+24  
-----  
711

1940.93

8.15  
-----  
+2

34.4

34.1

8.20

R.A. : 4.400  
DEC. : 14.600  
PM. R.A. : 13.000  
PM. DEC. : -30.000  
DISTANCE : 5.280  
MODULUS : 114  
AD. VEL. : 31.800

q1 (U) : 0.294  
q2 (U) : 0.260  
q3 (U) : 0.920  
du : -19.465  
u : 27.036

q1 (V) : -0.633  
q2 (V) : 0.774  
q3 (V) : -0.016  
dv : -147.789  
v : -17.337

q1 (W) : 0.716  
q2 (W) : 0.578  
q3 (W) : -0.392  
dw : -39.451  
w : -16.954

45Eri

0001-0012 ~~entire~~

002-012

Room

1437

4 29.3

-0 09

153 2 -11

5528

4 91 808 648 386 436 488

28749

4.91 +1.31 +1.43 J 4.34 +0.185 J

4.5

-0.15

00713

4.91 +1.33 +1.43 C

396

-7

4.92 +1.32 +1.40 2E

367

-7

5.0 +16.6

4.92 +1.32 +1.42

332

-213

-218

Refuge

-0003 -0041  
-00060 -0054

1.331 1.051 340

~~2.0~~  
5.32

-2

-12

756

009  
007-007

+16.6 a

4.24 4.5

+0003  
-0015

-0006  
-00049

+16.6 a

0.4 0.6 W

4.65 4.73 4.50 9 0.717 1043

013443 1.321 1045

4.24  
4.5

000-009

1.336 1.059 356

10  
10

1.342 1.059 362 m

037 421 1332 1053 150 006

18068921  
-11  
057  
-10004  
0000

5416  
33  
58.93  
-002  
-006  
-004

19019  
58.94

17  
033  
58.94

14028  
4022  
59.14

+13  
041  
59.06

(11.28)

48.87  
20.64  
19.04  
049  
72.4  
17.67

58.94  
21  
59.15

(10.46)

19030  
084  
54.1  
15

59.10

4.500

-0.150

-7.000

-7.000

5.000

100

16.600

0.272

0.486

0.831

-25.144

11.275

-0.628

0.744

-0.229

-3.863

-4.195

0.729

0.459

-0.587

-35.429

-12.363



110 III

4 457-203 30

1524 1498

1004 - 010

1000 - 010

1000 - 010

1003 - 010

1003 - 010

3  
-10  
972  
-19.0

1004 - 010

1005 - 010

1006

R.A. : 4.750  
DEC. : 3.500  
. R.A. : 3.000  
. DEC. : -10.000  
STANCE : 7.720  
MODULUS : 350  
. VEL. : -19.000

q1 (U) : 0.217  
q2 (U) : 0.431  
q3 (U) : 0.876  
dU : -17.342  
U : -22.711

q1 (V) : -0.611  
q2 (V) : 0.760  
q3 (V) : -0.222  
dV : -44.680  
V : -11.416

q1 (W) : 0.761  
q2 (W) : 0.487  
q3 (W) : -0.428  
dW : -12.295  
W : 3.836