

+3° 2350-326

6 59.6

+3

42

487

7 44 35.6

+3

33.18

7250

McC-AC t.011 - .208

10.0 Mo / +8.7

+59° 1056 6 55.6 159 30 15-

7 7.9 54.5 159 20.96 10 MO

Rad SA 11 +095 -290

W4774 41271  
h-2LHMA

30 MO

-58 224

9125-

10.095-0.240

—

7 0.7

---

488

+52 29

7 8 12.3

+52 19.87

—

11.3 170 + 9.1



54353

7 058 -9 53

266 212  
441.

21217

+0360

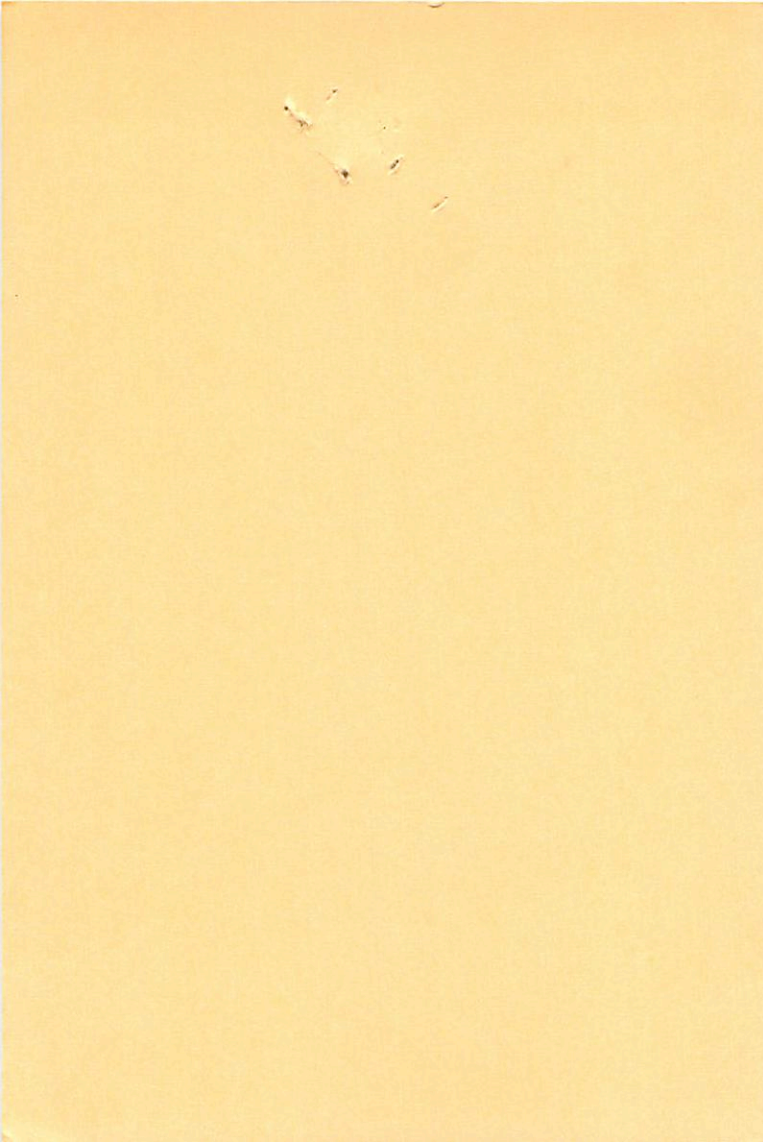
140474

238

-0135 +025

-199 25

-200  
25  
212  
238



M	:	-52.822
Q1	:	-221.222
d3	(M)	-0.019
d5	(M)	0.492
d1	(M)	0.882

M	:	-3.302
Q1	:	302.050
d3	(M)	-0.621
d5	(M)	0.932
d1	(M)	-0.242

M	:	52.592
Q1	:	394.291
d3	(M)	0.255
d5	(M)	0.812
d1	(M)	-0.315

D. VET.	:	53.800
MODULUS	:	33
DISTANCE	:	5.000
M. DEC.	:	53.800
N. R.A.	:	-56.800
DEC.	:	-2.200
R.A.	:	2.100



R.A. : 7.100  
DEC. : -9.900  
M. R.A. : -200.000  
M. DEC. : 25.000  
DISTANCE : 2.600  
MODULUS : 33  
D. VEL. : 23.800

q1 (U) : -0.312  
q2 (U) : 0.617  
q3 (U) : 0.722  
dU : 364.581  
U : 29.267

q1 (V) : -0.345  
q2 (V) : 0.635  
q3 (V) : -0.691  
dV : 397.028  
V : -3.305

q1 (W) : 0.885  
q2 (W) : 0.465  
q3 (W) : -0.014  
dW : -771.775  
W : -25.897



-9° 1858

7 1.3

7 3.5  
7 5.848.7

-9 45

-9 50  
-9 54.01

489

HD 54354

45

7257  
P  
P  
P  
816

44813 VU

Combed

816

768  
528  
24

Yale Zone -201 +.032

+5 -6

0 -1

1913  
1913  
1913

8.5 K8 +7.1

-0.196 +0.025

-201 K16 VUR  
10E-

-200 to 26

~~4608~~  
-248 +026 2.5



489.000\*

7.000\*

5.800\*

-9.000\*

-54.000\*

-0.198\*

0.026\*

2.500\*

31.623

~~60.000~~

246

0.368

0.723

30.86

~~55.500~~

128.4

0.402

-0.691

-8.2

-5.61

~~-29.294~~

-0.774

-0.015

-14.5

-24.07

~~-25.304~~

+68° 467

7 1.9

+68

41

243

7 11.956.3

+68

36  
31.54

9.10  
8.48

100W  
8.3

Green. Ast. +0.241 +0.030

9.7 18 +7.7

+0.241 +0.030

10.19 9.48 +0.482

1070 - 605 (62)

48.6

+255 +15

6294  
264

265



243.000\*

7.000\*

11.900\*

68.000\*

32.000\*

0.255\*

0.015\*

2.650\*

33.884

-48.600

-0.444

0.746

-51.296

-0.341

0.481

-34.899

1.074

0.461

13.998

243

+680467

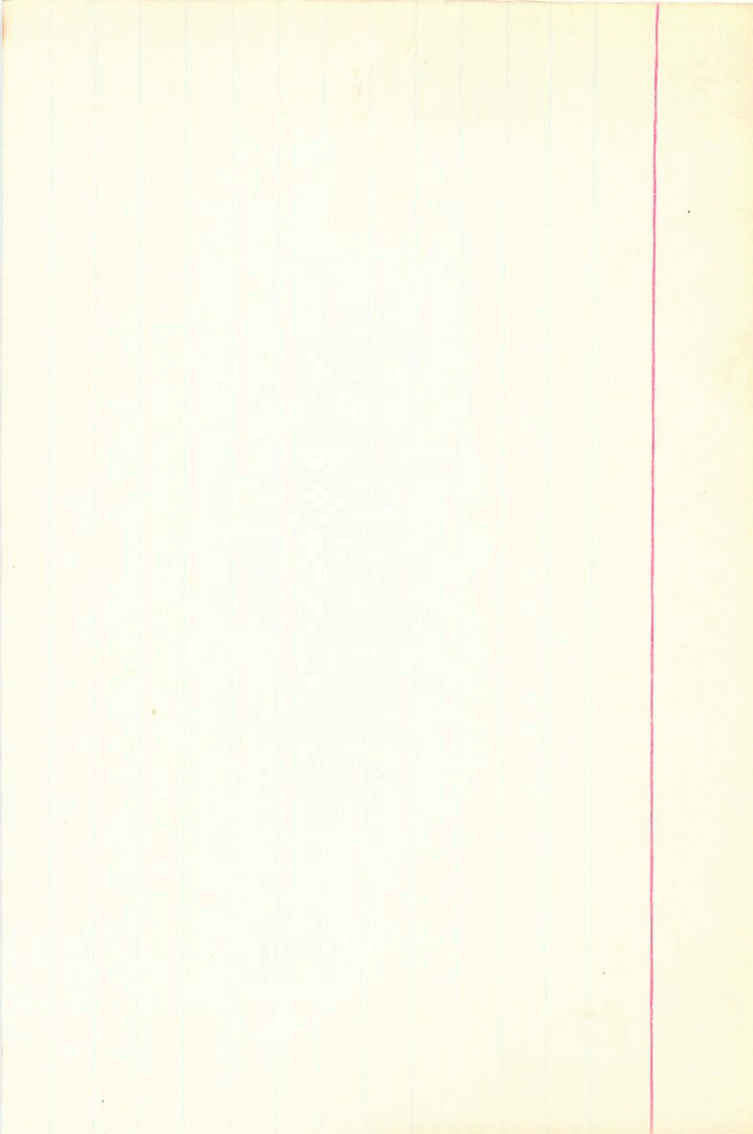
7 11.9 +68 32

9.7 me

10.17 +119 +1.20 @ 276

+0.48②

- 1/8.6





+3301505  
CC418

7

16.2

+32

56

10.0 dm<sup>2</sup>

-616

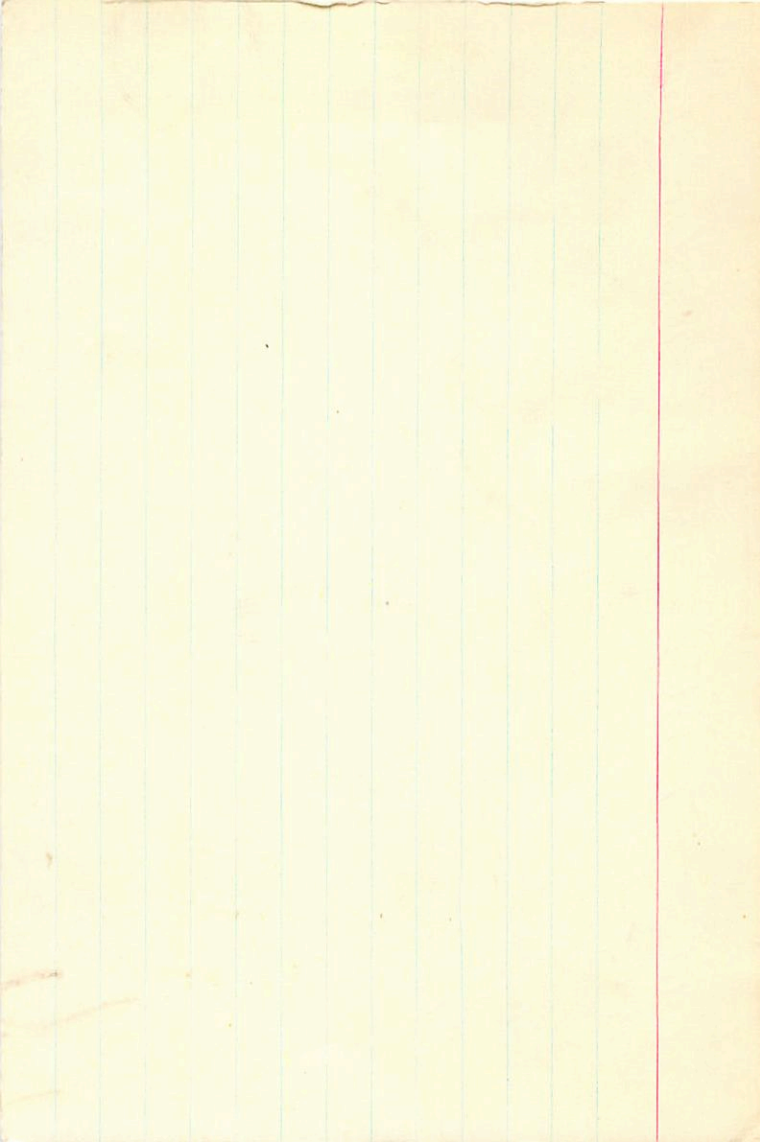
3W

4835

+40 -39 cm<sup>2</sup>0

4957

M  
✓



+68.474

7 6.9

+68 31

244

7 16.9

+68 26  
+68 20.89

Y1707.2

22 M(S)

90  
1.4  
4.55  
5.0  
7.7

Green. Ash. +0.043 +.134

9.7 K8 +7.7

+0.065

McR

+0.048 +0.134

10.10 9.40 McS (2)

+27° 1348

7 7.3

+27 23

490

7 13 12.4

+27 13.10

~~-034~~ 190 VV

~~-033~~ 193

McC-AC - 033 - 193

224 19 ✓

10.5 M.O + 8.8

15-20"

of final

35

192

0.5

7.200	:	R.A.
27.200	:	DEC.
-38.000	:	R.A.
-122.000	:	DEC.
-0.200	:	STANCE
8	:	ADDFYS
0.000	:	

-0.333	:	p1 (U)
0.000	:	p2 (U)
0.241	:	p3 (U)
-1.201	:	UB
-0.010	:	U

-0.329	:	p1 (V)
0.228	:	p2 (V)
-0.170	:	p3 (V)
-221.433	:	UB
-2.287	:	U

0.883	:	p1 (W)
0.389	:	p2 (W)
0.289	:	p3 (W)
-427.019	:	UB
-3.289	:	U

R.A. : 7.200  
DEC. : 27.200  
. R.A. : -38.000  
. DEC. : -192.000  
STANCE : -0.500  
QDUVEIS : 8  
VEL, : 0.000

q1 (U) : -0.333  
q2 (U) : 0.060  
q3 (U) : 0.941  
dU : -1.301  
U : -0.010

q1 (V) : -0.329  
q2 (V) : 0.928  
q3 (V) : -0.176  
dV : -791.433  
V : -6.287

q1 (W) : 0.883  
q2 (W) : 0.369  
q3 (W) : 0.289  
dW : -477.019  
M : -3.789

+50° 1967-93

7 8.6

+50 42

491

7 15 54.9

+50 31.84

W

McC-AC -.001 -.140

2104-3086  
1139 4512

10.9 158 +7.1

244

+680474

1855

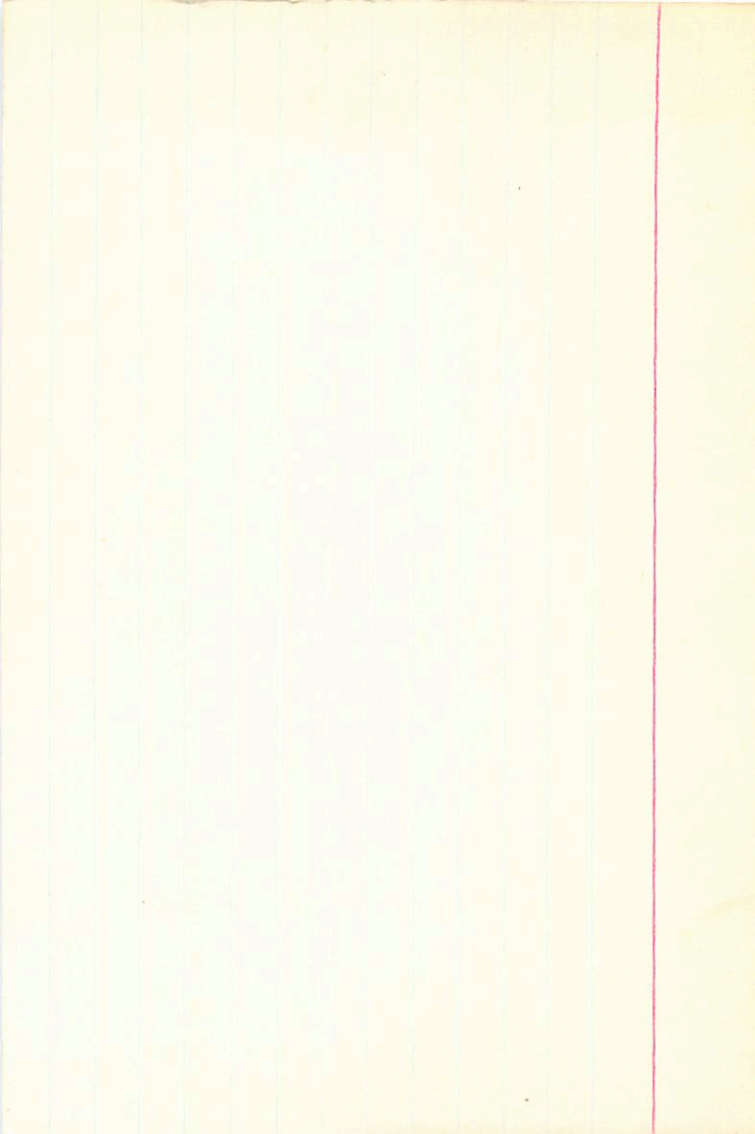
7 6.9 +68 31

N.08 +114 +1.07 ①

8.48 +0.465 ②

+048 +134





+67° 25.44

7 9.6

+67 37

492

7 19 18.8

+67 26.55

Green. Ast. T-066-180

10.34 K5 +7.1

$$\begin{array}{r} +36^\circ \ 25466 \\ +36^\circ \ 1611 \end{array} \left. \vphantom{\begin{array}{r} +36^\circ \ 25466 \\ +36^\circ \ 1611 \end{array}} \right\} \begin{array}{r} 7 \ 12.9 \ +36 \ 10 \\ 7 \ 19 \ 13.3 \ +35 \ 59.34 \end{array}$$

494

$$\begin{array}{r} \text{McC-AC} \ +.032 \ -.100 \\ \text{"} \quad \quad \ +.017 \ -.106 \end{array}$$

$$\begin{array}{r} 11.2 \ \text{MO} \ +8.7 \\ 10.8 \end{array}$$

+4401204

W4912

7

21.4 +46

12

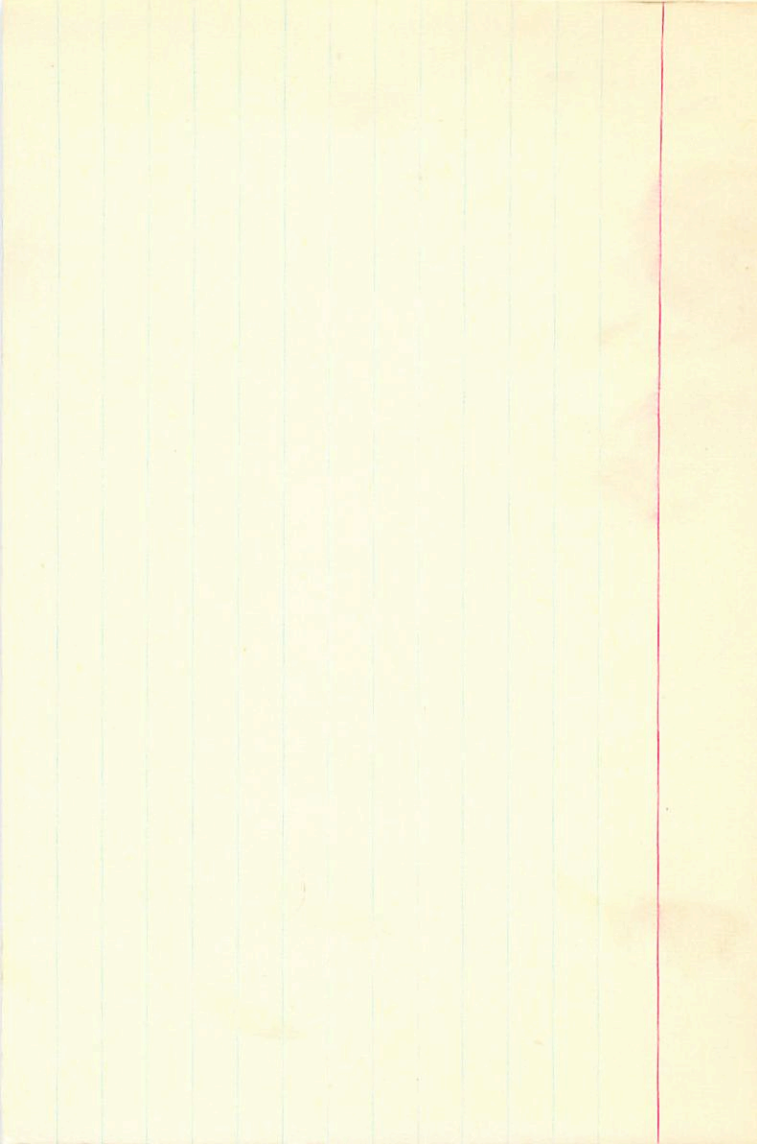
9.2 d12 +8.0 J

CC423

-29

-34 cin

-282 ± 7 -285 ± 5 ✓



495

7 15.3 +44 20

7 22 6.3 +44 9.00

10.8 110 +8.6

+32° 1561      7    19.7      +32    17      880

Y 1758      7    22.6      +32    12  
                 7    25.848.6      +32    5.47

690A      680B      40M(R)

VecA      VecB

Ci 18,891      +.138      +.185

7.4    K8-

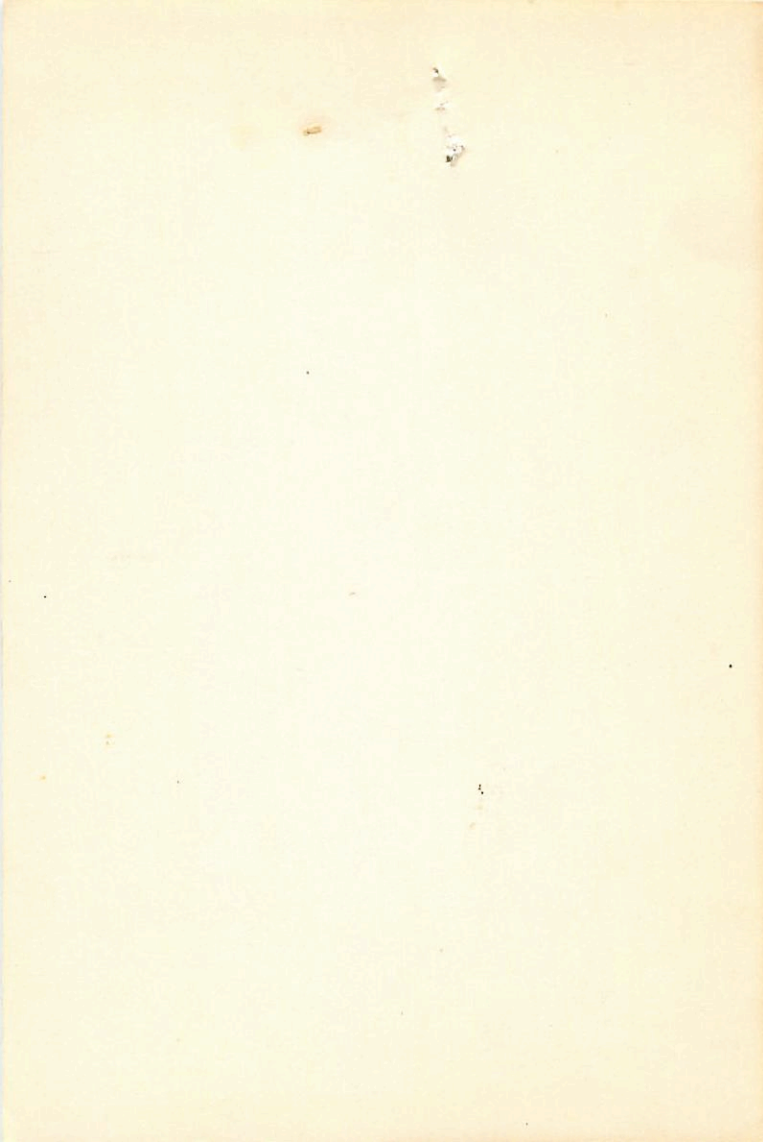
+8" .040

(B) 100W  
-23.0      (D)  
-12.8

A -5.76 9L

\* Prof. not about same asp Gem  
which is 12' sk.

-5.9  
-10.152      +0.171  
0.9





+24° 619-128

7 18.2

+24 28

496

7 23 57.8

+24 16.69

McC-AC -010-153

11.2 MO +8.3

880.000\*

7.000\*

25.800\*

32.000\*

19.0  
+242

10.0  
+242

29  
+242

10.0  
+242

29  
+242

10.0  
+242

29  
+242

Van  
+59524 -3.67157 ✓

+584±1  
+59524 -3.67157 ✓

585 -3.675 +3

3726  
053

+195  
+18.1  
+18.5  
+18.5

1.21  
1.21  
1.21

8.21  
12.8  
7.20

5.58  
10.84  
9.63

18.1  
3.726

1.21  
1.21  
1.21

8.21  
12.8  
7.20

5.58  
10.84  
9.63

18.1  
3.726

3726  
053

1.21  
1.21  
1.21

8.21  
12.8  
7.20

5.58  
10.84  
9.63

18.1  
3.726

-14.8

0.294

2.25

-13.4

-8.9

-15.1

0.250

-1.24

-9.8

-52.0

-13.4



1000  
1000

1000  
1000

1000  
1000

1000  
1000

0.304

~~2012~~  
-529  
-1411

215

~~7.400~~  
5.500  
3.800  
-3675.000

-241

-2.260

3.53

~~3.072~~

~~19.000~~

3.29

18.1

0.303

-0.375

0.406

0.833

-8105.183

-106

-13.22

~~-42.790~~

~~40.55~~

-13.53

-11.6

-0.299

0.798

-0.523

-14735.873

-1

-6.254

~~-61.900~~

~~-57.9~~

-61.41

-57.9

0.877

0.445

0.179

-5319.674

70.57

~~-15.096~~

-14.3

-15.56







+ 68° 31' 24

7 16.9

+ 68 55

245

7 26.9 52.9

+ 68 43.58

15.5

Green. Rch. -0.178 - .121

10.5 MO + 9.4