

+10° 1032

6 2.9

+10 23

236

6 829.1

+10 21.90

W 3895

52

109M<sup>(19)</sup>  
49V<sup>(10)</sup>

248

5

+52C 2Md  
dms

+50 Jy M2

Ci 20.375 +0.07 -92

10.3 MS +121

+0.883 -0.932 v(R)

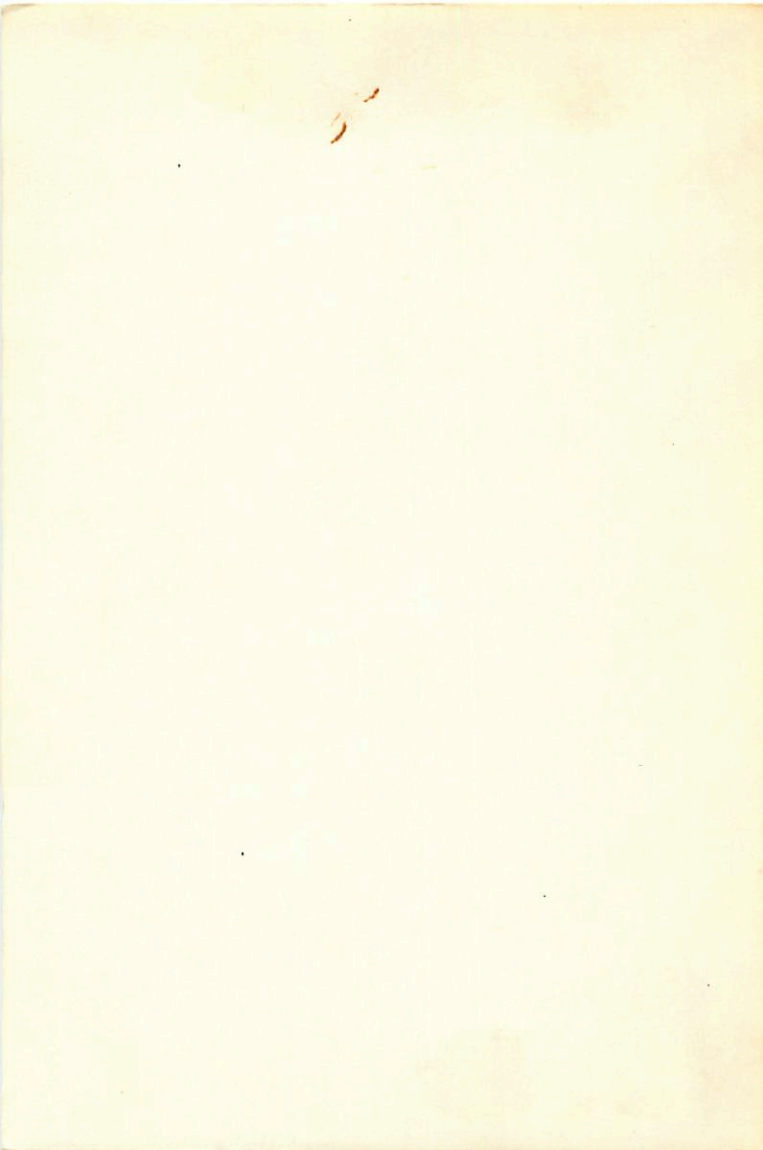
+0.101

H.3 Woff

3" View of Ramp

+0.080 -0.930

0.08 -9.35



7462

43386

6 13.6 +12 17 5.1 dFs +8.7a

3969

8033

59

+0056 +185 N30

+0054 ± 1.7 +189 ± 1.5 RC → N30

+0055 +1836

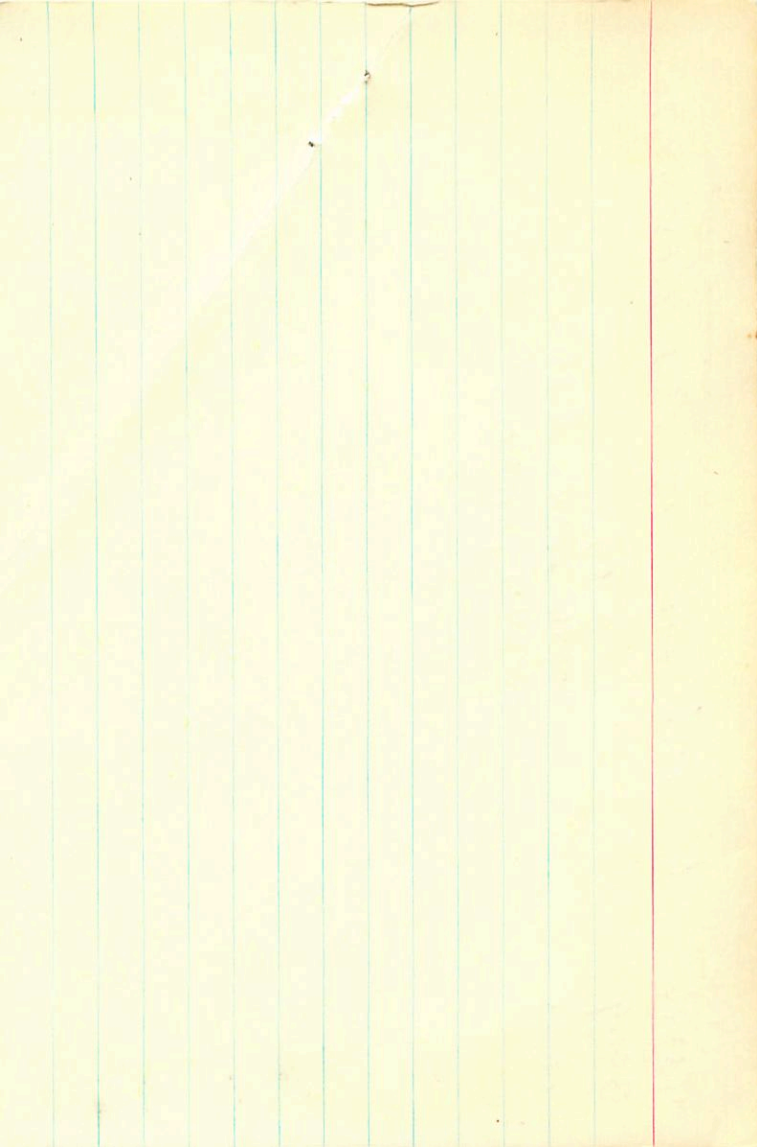
+0055 +1934

+0816  
+082 +183

+84

+183  
1.65

+87



43386      6    13.6    +12    17    ESTD-12

HP2241  
GC8033

5.04 + 42 - 025

74lin

52  
.284    .153    .438    8    5AC-2.6634  
291    133    516

[m] 204 + 18

218    469

[C] 381 + 6    170    + 12.9 + 9.4 + 16.5  
+ 209 + 553 + 770

+



RAD. VEL. : 8.700  
MODULUS : 21  
DISTANCE : 1.450  
PM. DEC. : 183.000  
PM. R.A. : 84.000  
DEC. : 12.300  
R.A. : 4.200

U : 12.471  
UB : 282.002  
d3 (U) : 0.221  
d2 (U) : 0.288  
d1 (U) : -0.113

V : 8.812  
VB : 230.004  
d3 (V) : -0.300  
d2 (V) : 0.822  
d1 (V) : -0.428

M : 12.000  
WM : 227.203  
d3 (M) : -0.041  
d2 (M) : 0.480  
d1 (M) : 0.870

R.A. : 6.200  
DEC. : 12.300  
PM. R.A. : 84.000  
PM. DEC. : 183.000  
DISTANCE : 1.650  
MODULUS : 21  
RAD. VEL. : 8.700

q1 (U) : -0.113  
q2 (U) : 0.288  
q3 (U) : 0.951  
dU : 205.605  
U : 12.671

q1 (V) : -0.468  
q2 (V) : 0.829  
q3 (V) : -0.306  
dV : 536.664  
V : 8.812

q1 (W) : 0.876  
q2 (W) : 0.480  
q3 (W) : -0.041  
dW : 757.283  
W : 15.830

+18° 1160

6 8.9

+18 2

472

6 14.5 27.1

+18 0.05

56

28

84

McC-AC +.111 -.082

10.26 MO +7.9





93587 10.26  
911536

1024

6

14.6 + 05 07

B 65"

361 180 440 2604

43775

2284

6 15.0 -22 42

-7.5

GC8065

41465

-220,364

3585

B-1 d60 -2.96 w(4)  
6.39 +0.56 Cap 60E -6.1 256

optimized  
10m 20"

6.03 + 89 (1.60)

557  
537

+125

-256

10080 -255

Bill

6.25  
-22.7

GC +122 ± 5

-252 ± 4

10070 -255

Bill Smith

+119  
-255

T +100 ± 10

-293 ± 10

1065  
119

Sony th.1

12.1  
-45

Cap +100 ± 10  
+167

-275 ± 8 red  
-254

4170 -255 -4.5

margin

-31 -67 15  
-2 -45 -4 0.20  
0.830

2.15

11 ± 3 C(6)

-52 -41 0 020

-34 -26 -1

+008854.6  
 +0090  
 +0070  
 -2524.0  
 -256  
 -255

57.294  
 1508.0  
 -22  
 41  
 31.65  
 1502.0

$\frac{370}{56,924}$

+0089  
 -255

$\frac{+12.10}{19.55}$

$\frac{02.882}{54,256}$

+125

$\frac{+30.12}{56.52}$

1933.62

25.4

~~$\frac{57,138}{57,138}$   
 $\frac{456}{456}$~~

$\frac{-1.14}{26.04}$   
 $\frac{+46}{27.78}$

+46

$\frac{15}{57.135}$   
 150

$\frac{153}{153}$   
 9

$\frac{27.3}{28.11}$   
 $\frac{+24}{27.87}$

1933.15

33.4

+122

1895

$\frac{365.4}{365.4}$   
 $\frac{-1}{365.4}$

$\frac{27.87}{27.87}$   
 119

31.4

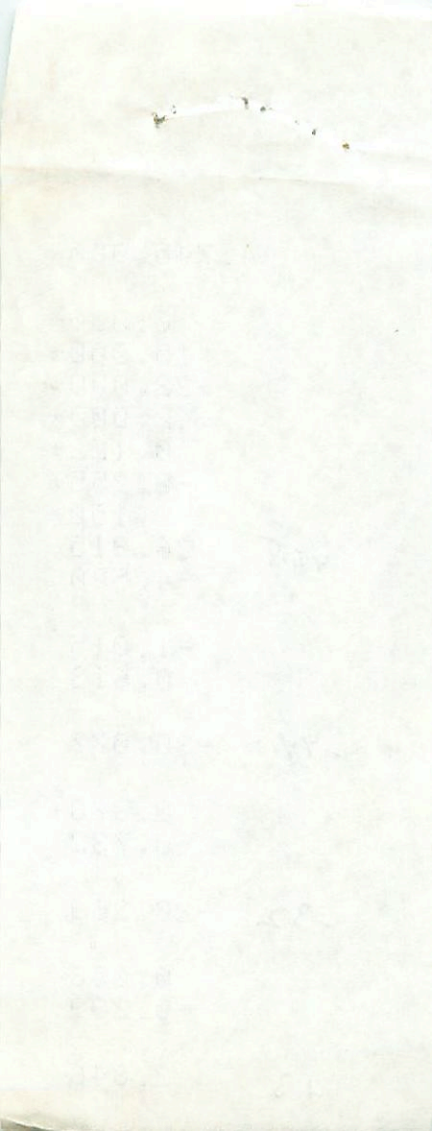
57,499

3654

27.60

499

8.05



43745.000\*

6.000\*

15.000\*

-22.000\*

-42.000\*

0.122\*

-0.255\*

2.150\*

40.8

26.915

-4.500

-1.015

0.613

44

-30.077

-0.873

-0.732

32

-20.203

0.056

-0.299

43

2.846

-13° 1434

6° 11.7

6° 13.8

6° 16.0 2.7

13

2

4

8.2  
4.8  
8.5

-13 49

-13 51.26

473

5194 118 118 20 9.30 0473

1000

+106.5 | upqum

+101.6

Tasubaya +0.067 +.327

9.8:10 +8.1

+0.067 +0.327

+316

+0.067

216

0.91

2.16  
+0.80 -1320 106.1





473.000\*

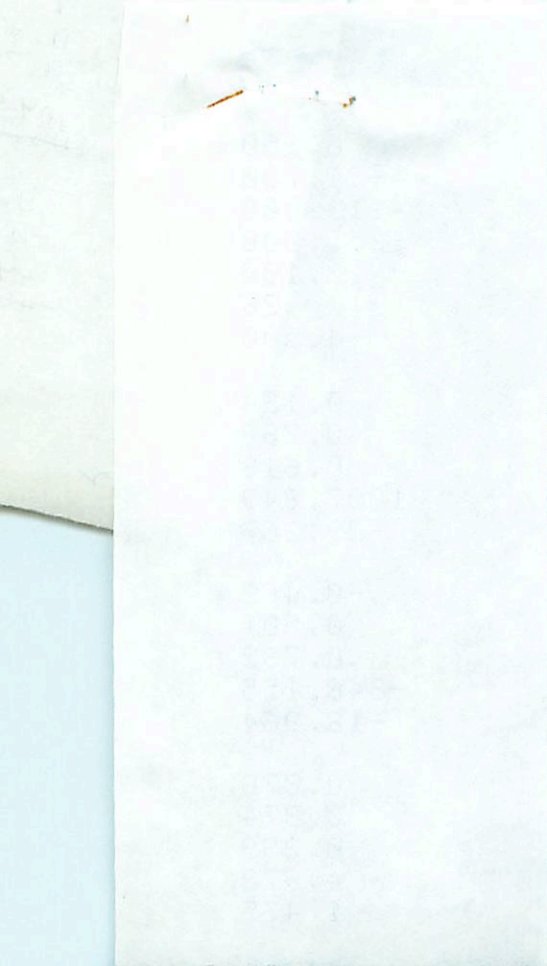
6.000\*

16.000\*

-13.000\*

-51.000\*

0.000\*



0398

1 20 00 00  
1 20 00 00  
1 20 00 00

100.0

1 4 . 5

-513

1 5 . 1

5 . 7

5 . 6

1 100 2 . 8

1 20 . 2

-0

1 5 . 4

5 . 5

1 5 . 7

1 3 4 . 1

1 5 . 5

5 . 8

1 5 . 3

4 . 5

4 . 7

4 . 7

+67.2080

6 14.5

+67 41

237

6 24 29.7

+67 37.97

Green Art. +0.034 -0.080

11.0 M+7:

45088 6 232 +18 47

154114

232

-0085 -171

Country

20630

12/17/91

-16400

11957

100

680

90506

5544

8289

6099

1851

15105

2038

1449

455-

RLM4AB 06 24.8 02 14

35.6  
34.7

(19.0)

5 406

45.7h

F157 0 1514

F24 7 1514

(121)

V597M7

4800

2302

8740

1267

4731

704

149

7.92

1307

W4143

6 26.8 -2 47

11.3 AMVE +240

74

CC350

+706 -686  
 +713 -688 S(A)  
 +705 -644  
705 -641

4000.

-172	+528	+834	-5813	-117219	-2.3032	-9.2	120.0	+11
-435	+717	-544	-14701	-2.3382	-3,8083	-1.5.2	-13.0	-28
+884	+455	-107	2,9876	-1,4838	+1,5038	+6.0	-2.6	+3

16.5

0.55

Wendy A. R

81064

Purdell

60514

04927

Hamm

2524

6 265 -02 4/4

+24 dm4e

+30.4 A.S. Sample 19,387

Orbit 1107  
1414

24 revision cont.

244.

958  
[ 700  
5500  
4984

[ 8814  
0428



1/16

203

2-12

25-8-054



474.000\*

6.000\*

28.300\*

52.000\*

26.000\*

0.100\*

0.089\*

2.500\*

31.623

3.000

-0.245

0.906

-5.027

0.156

0.281

5.768

0.564

0.316

18.791

474

6 28.3 +52 56

+520.058

9.72 +126 +1.17 ① +0.54 ①

Worley 6

$B_m = 0.1$

1''

+0.100 +0.089  $M_2 - 146$

+3.0

~~23.253~~

4401623

6 28.5 490 26

0.50 9.50 I = 9.00

10.15 1.20 0.47

5.00

3.0

+245 40<sup>44</sup>

4.1

11044023

-510 -140 11R

13

-140

3.0

R.A. : 40.400  
DEC. : -13.000  
PM. R.A. : -140.000  
PM. DEC. : 3.000  
DISTANCE : 40  
MODULUS : 24.500  
RAD. VEL. :

p1 (U) : -0.180  
p2 (U) : -0.187  
p3 (U) : 0.299  
q1 : 132.428  
q2 : 28.234  
U :

p1 (V) : -0.430  
p2 (V) : 0.828  
p3 (V) : 0.094  
q1 : -272.810  
q2 : -28.430  
V :

p1 (W) : 0.882  
p2 (W) : 0.328  
p3 (W) : 0.242  
q1 : -302.284

R.A. : 6.500  
DEC. : 40.400  
PM. R.A. : -13.000  
PM. DEC. : -140.000  
DISTANCE : 3.000  
MODULUS : 40  
RAD. VEL. : 24.500

q1 (U) : -0.180  
q2 (U) : -0.187  
q3 (U) : 0.966  
dU : 132.498  
U : 28.934

q1 (V) : -0.430  
q2 (V) : 0.898  
q3 (V) : 0.094  
dV : -575.810  
V : -20.630

q1 (W) : 0.885  
q2 (W) : 0.398  
q3 (W) : 0.242  
 : -305.706

+34° 13' 78

6 22.5

+34 38

475

<sub>25.6</sub>

6 28.8 48.9

+34

36 34.12

63

31

34

4

+0.4 10.00

MCC-AC - .236 - .237

9.81 MO + P.1

N7-M2 15"

-0.236 - 0.237



6 23.1

+68 1

476

6 33 9.5

+67 56.78

(ND)

McC -.015-.074

11.0: MD +8.3

8786	-0440	}	0746
4776	-9990		-0117
			6.3
			0088
			5.24

+19°1405

6 28.5

+19 52

477

37.3

6.19

50

6 34.17.2

+19 47.34

918

54

24

6

-10000

10.18 1.20 1.14 0.47 @ 0.0

856

569

7 Wpm

McC-AC r.008 -0.033

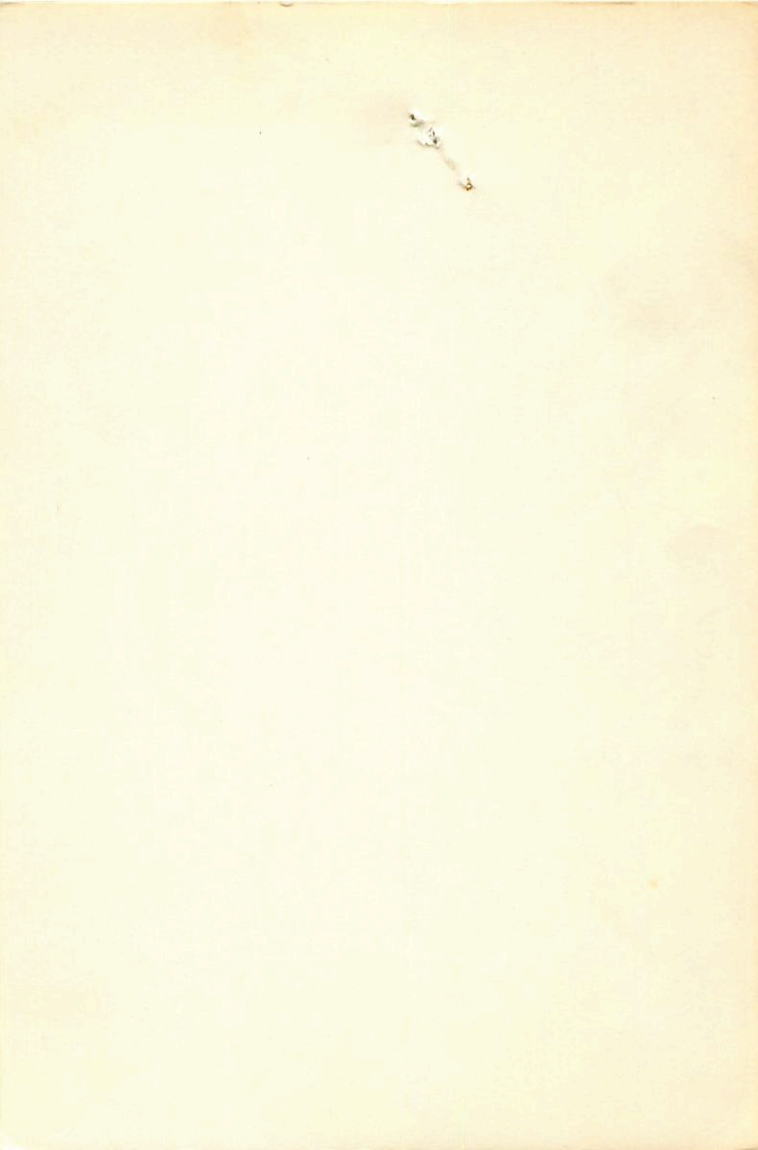
+82.6 2000 9.8 mo + 7.7

+82.5

2.7

+0.008 -0.033 82.5

① R.F.8 + 82.5







477.000\*

6.000\*

34.100\*

19.000\*

47.000\*

0.000\*

-0.033\*

2.700\*

34.674

82.500

-0.033

0.966

78.577

-0.153

-0.236

-24.758

-0.037

0.101

7.082

+72°.3338

6 27.3

+72 3

238

6 38 36.9

+71 58.12

Green. Alt. - 0.111 - .544

11.0 MO + 9.6

+ 0".040

479

6 45.4 + 6.0 23

460<sup>0</sup>1003

8.58 + 1.20 + 1.15 (2)

+ 0.485 (2)

241 415 AGRS

243 417

200 395

265 422

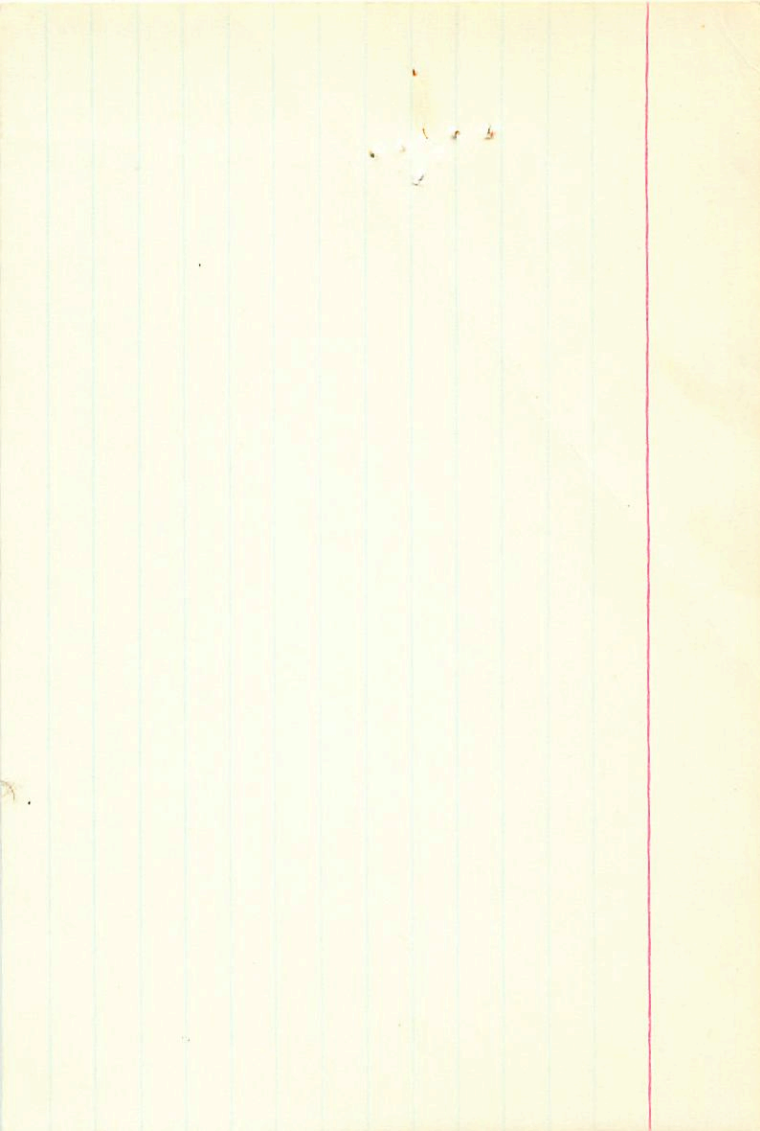
238 #13

6336 408 (A)

249 408  
+ 41

472 504  
413 408  
0.70 1.58  
-50.0 -52.1

-47.4





+60° 1003

6 36.9

+60

29

479

6 45.426.1

+60 23.00

17048948

85

±9

49 VV

429

179

1000 W

797

690

Berg. huld. +.22 +.41

8.6: 100p + 8.2

'04

+0.220 +0.410

134

435

8.56 285 +0.485 (2)

+243 +417

VVR

0.95

+440

+225 +435

W(1)

47.1

+215

+467

+227

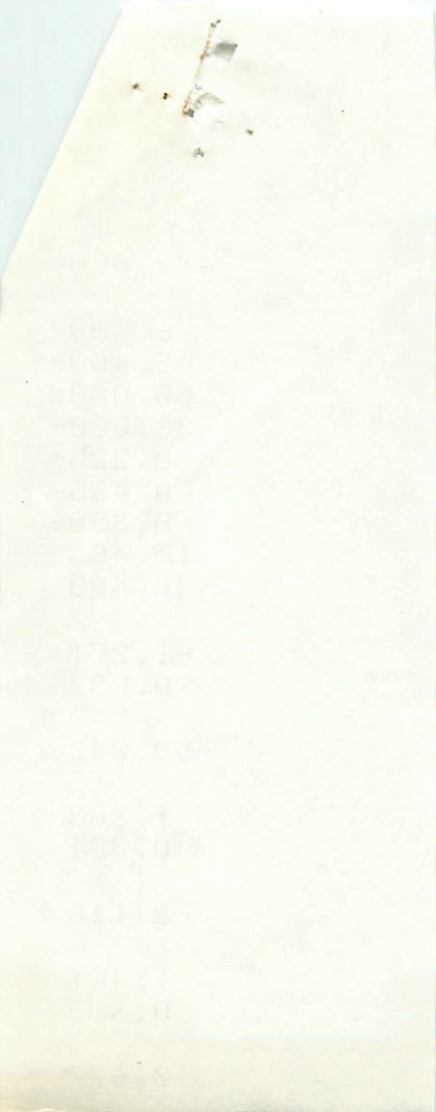
0534

1.34

-64.7

+3.0

+7.7



479.000\*

6.000\*

45.400\*

60.000\*

23.000\*

0.225\*

0.435\*

0.950\*

15.488

-47.400

-1.271

0.837

-59.342

1.303

0.381

2.118

1.441

0.393

3.677

R.A. : 0.750  
 DEC. : 00.400  
 M. R.A. : 482.000  
 M. DEC. : 413.000  
 DISTANCE : 0.700  
 MODULUS : 14  
 D. VEL. : -20.000

p1 (U) : -0.230  
 p2 (U) : -0.494  
 p3 (U) : 0.837  
 QM : X-1233.203  
 U : -28.897

p1 (V) : -0.395  
 p2 (V) : 0.832  
 p3 (V) : 0.382  
 QM : 1188.201  
 V : -2.973

p1 (W) : 0.888  
 p2 (W) : 0.241  
 p3 (W) : 0.392  
 QM : 1473.121  
 W : 0.710

R.A. : 6.750  
DEC. : 60.400  
M. R.A. : 482.000  
M. DEC. : 413.000  
DISTANCE : 0.700  
MODULUS : 14  
D. VEL. : -50.000

q1 (U) : -0.236  
q2 (U) : -0.494  
q3 (U) : 0.837  
dU : % -1233.503  
U : -58.867

q1 (V) : -0.395  
q2 (V) : 0.835  
q3 (V) : 0.382  
dV : 1189.201  
V : -2.673

q1 (W) : 0.888  
q2 (W) : 0.241  
q3 (W) : 0.392  
dW : 1473.121  
W : 0.710



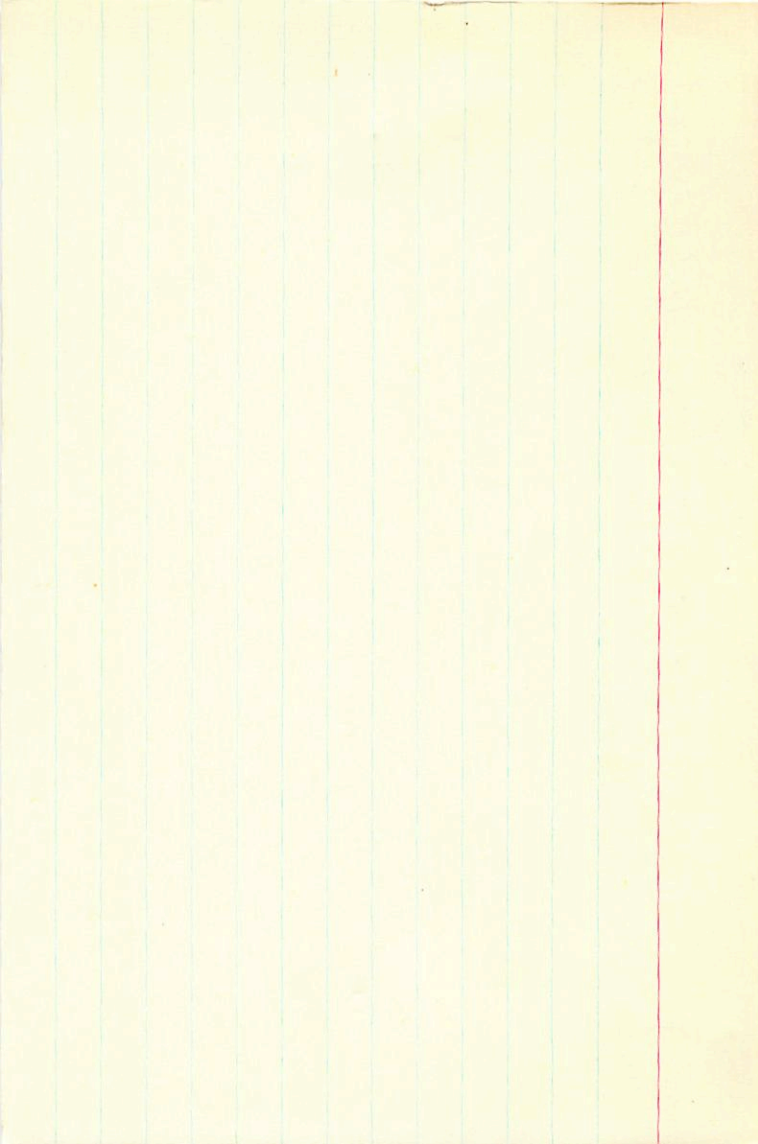
6 46.0 455 55 10.5 div 4 + 45e

4433

4010 - 210

4009 - 214 <sup>Upp.</sup> MC-AC





+35° 1493

6 39.9  
6 46.2 14.1

+35 19  
+35 12.74

480

63  
31  
4  
9

McC-AC +.165 -.279

10.5 MO +8.0

2. Price

HR250

3207  
50221

4447

8941

40.918

-0106 +265 stay

-0102 +2007

-0102

Net LMD

40.622

+ 1.57

0090  
N31

3207

3.26

3.30

40.726

4706

41.196

40.918

-226

996

1.533

40.766

510

-43

-0104 ±2.1 +242 ±2.3  
-0101 +266

47.7 -61 53

I w

3.26 +0.21 AS 116

3.30 +0.21 +0.03

1904.8 -41 5-3 14.42

-1.95

2637

1839

5776

-3207

947

2512

12.40

1955.96

-074 +26266

-064 +263N

19044 -076 +268F

-071 +265

1243 1938.56

94.82

47.4

43.0

1955.96

12.40

12.35

928-206 -882 471 -071+265+20.6 -238 -18 592

069 229 015 -046 099 1.156 +5.7 -2 +9 <sup>063</sup>  
~~6002~~

0 +27 -9

F20-19-5



COST : 0.

PROBLEM 4

R.A. : 6.888  
 DEC. : -61.988  
 PM. R.A. : 0.000  
 PM. DEC. : 0.000  
 DISTANCE : 0.000  
 MODULUS : 10  
 AD. VEL. : 0.000

q1 (U) : -0.247  
 q2 (U) : 0.969  
 q3 (U) : -0.031  
 dU : 0.000  
 U : 0.000

q1 (V) : -0.388  
 q2 (V) : -0.128  
 q3 (V) : -0.913  
 dV : 0.000  
 V : 0.000

q1 (W) : 0.888  
 q2 (W) : 0.213  
 q3 (W) : -0.488  
 dW : 0.000  
 W : 0.000

WVY  
50281

709660 / 6.54 + 108  
6 249.9 - 0.5

-0362 ± 83  
-014 ✓  
6.8 d126 - 10.38

4487

0.58 602 ~~877~~ 873

6.72

9000

52.044  
1.893

43.40 1898.2

WV50

0368 - 100 + 600000  
F580 - 002

110  
43.30

53, 897  
381652  
13.915  
52.567

57.22  
-45.58  
47.83  
-1.319

57.22  
-45.58

193456

100

349

44.33  
43.81

577 1196  
548

1063  
33.7  
1965

52609  
1196  
619

4408  
83  
75

193307

43.28  
43.28

657 552 607 204 71  
WJ 596 537 187 ad



6.800  
-5.100  
-547.000  
-8.000  
0.000  
10  
-10.300

-0.247  
0.556  
0.793  
616.744  
-2.005

-0.388  
0.693  
-0.607  
976.580  
16.018

0.000  
0.450  
-0.045  
-2310.145  
-22.640

6 5th 2000

1500

680

~~057-426~~

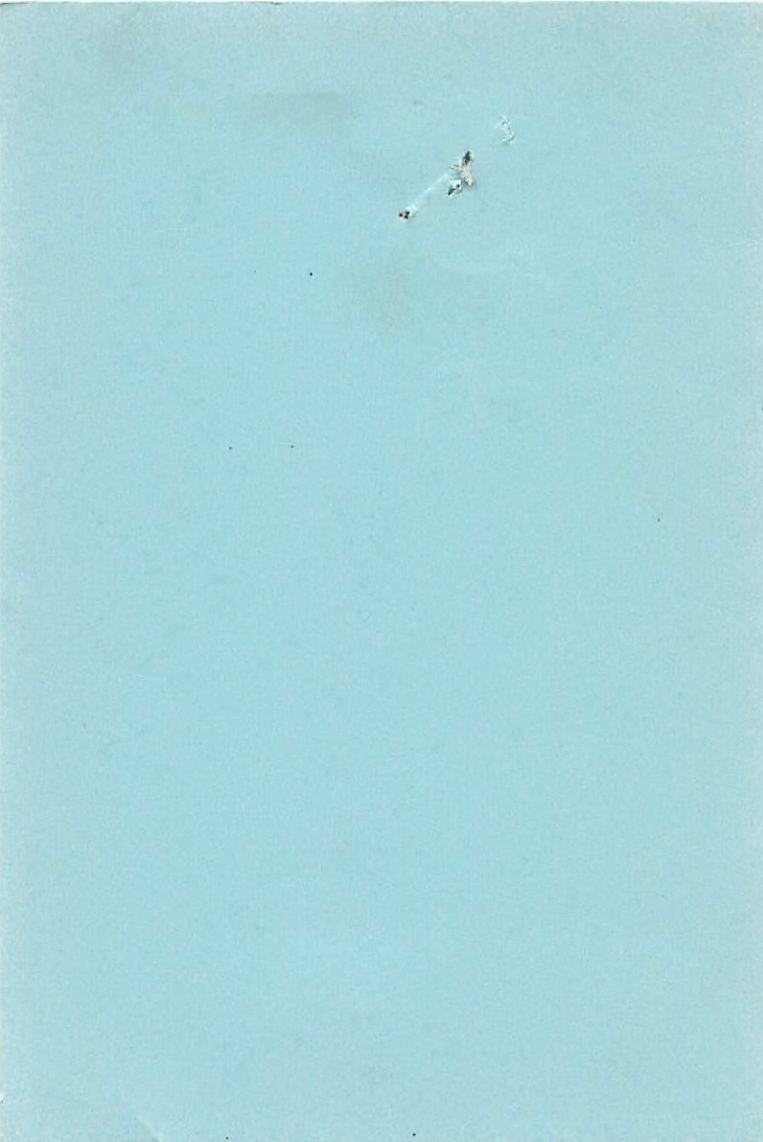
111-

48-854

486  
- 128

23.0

1



755° 1142

6 43.8

755 48

481

6 51 42.3

755 41.10

McC-AC +.077 +.062

10.6 170 +8.5

+47° 1321-215

6 45.5

+47 10

483

6 52 35.4

+47 2.93

McC-AC -064 -125

10.88 158 +7.4



+12.1343

MUSI 6

46.8

+12 21

12

6 52.16.9

+12 13.87

RASUN

-03

-34

8V 53  
269

10.2

MO

W4524

10.50 1.21

9.82 0.50

6.72 -0.58 -328 Ly

30 RASUN (2)  
+30 R. 2W

dm2

66 M107

No

Y1614

G110.21

-0.030 -0.340

6.9

+12.2

-509

-338

1.5

+15.4

+298 (2) WTR

15.4

22.5

12

10.53 1.26 1.23

9.49 2.01

4.57

2500

9.52  
622  
34

-216  
884  
-486





Handwritten scribbles and faint markings.

Handwritten scribbles and faint markings.

Handwritten scribbles and faint markings.

Handwritten scribbles and faint markings.

10.900  
 12.200  
 - 59.800  
 1328.800  
 1.500  
 15.400  
 - 0.260  
 0.297  
 0.916  
 - 387.600  
 6.370  
 - 0.374  
 0.845  
 - 0.380  
 - 1210.921  
 - 30.861  
 0.888  
 0.446  
 0.116  
 - 935.584  
 - 16.878

950  
 3.16  
 2232

~~21.5~~

-57.9

-17.2

-38.4

2

CCW2A  
+4001758

+10086 +0090 ± 10.6 -457 ± 8.7  
+ 99 -443 800 5W

9083

6 53.0 +40 09 ( 8.4 dmo +1048  
374 ( 10.7 +60.57 3W

4537

0-9.159 1912.0 +40 8 45.85 19093

324

-342  
58.817 +0096 -442 18.60  
+10933 -440 4.45 +5153

20A

26M

079L

34W

43V

58.96 +1097  
56 106-439  
996

55.3 1930.0  
-2  
55.28

264  
382  
646

076  
038  
114

30 54.744 (64.11) -9  
374 4061  
4012

30 54.815 (58.0)  
315 4265  
-9  
4256

9.12 112.10 877043  
11.13 142-10.09 81

139  
-435  
+109.8

164

+40° 175-8  
G-C 9083

6 53.0 +40 09 A +49.46 W (15)

B +60.58 W (3) ?

W 4537

A 9.08 +1.15 +1.09 1550 R

A 447  
B 450  
+45.15

Y 1616

B 10.8 37" A 1

+0.108 A

+123±2 -423±4 ✓

Vign 240

A +57.3 B +0.110  
+42.4 000

+126±2 -407±3 ✓

A +57.2 B +0.099  
+0.90

124  
-415 mm  
-443 mm  
-457 mm  
6c

+55 -69 +6 .030  
+53 -51 +10 .040  
+52 -41 +12 .050

+103 -457

A

+51.3 B +51.2

Y 30(16)  
23 A (20)  
27 M (7)  
36 Y (9)  
33 W (10)

+51.2 W 4 ?

Y 000 +48.1  
+44.5 000

30 ± Y

1986

180

75/8

956

49.5

AD. VEL. : 42.200  
 MODULUS : 21  
 DISTANCE : 1.220  
 RM. DEC. : -432.000  
 RM. R.A. : 132.000  
 DEC. : 40.120  
 R.A. : 2.200

U : 21.208  
 p1 (U) : -0.222  
 p2 (U) : -0.128  
 p3 (U) : 0.248  
 q1 : 213.170

V : -45.325  
 p1 (V) : -0.374  
 p2 (V) : 0.222  
 p3 (V) : 0.222  
 q1 : N-214.425

M : 2.884  
 q1 : -228.228  
 p1 (M) : 0.215  
 p2 (M) : 0.332  
 p3 (M) : 0.888

R.A. : 6.900  
DEC. : 40.150  
PM. R.A. : 139.000  
PM. DEC. : -439.000  
DISTANCE : 1.650  
MODULUS : 21  
RAD. VEL. : 49.500

q1 (U) : -0.269  
q2 (U) : -0.168  
q3 (U) : 0.948  
dU : 213.170  
U : 51.508

q1 (V) : -0.374  
q2 (V) : 0.926  
q3 (V) : 0.057  
dV : % -2114.497  
V : -42.362

q1 (W) : 0.888  
q2 (W) : 0.339  
q3 (W) : 0.312  
dW : -258.978  
W : 9.884

+40° 1758

Y 1616

24531/8

GC90

6 46.5

49.5

6 53.167

+51

+18

-47

+40

16

+12

-15

240

+40

13

+40 8.83

+51.2 (3) A

+51.5 (3) B

A 9.8 + 1.15 + 1.09 NSE R

23 A (20)

28 M (7)

37 YK (8)

33 W (10)

43 V (16)

8.4 K8 + 7.5

+0.032

G 18.837 + 0.13 - .41

A +49.46 5W dmo

B +60.513W dm2

8.7 K4, 10.9 M 1, 1/4k

\* M. Whitson gives sp. of 2 components  
as K5 and M1.5 + a comb. spectrum of MO.  
Not in ADS

37 || A, M, & YK measured the brighter,  
N & V relative parallaxes are the  
means for the 2 components.

9.07 8.41 10.43 (2)

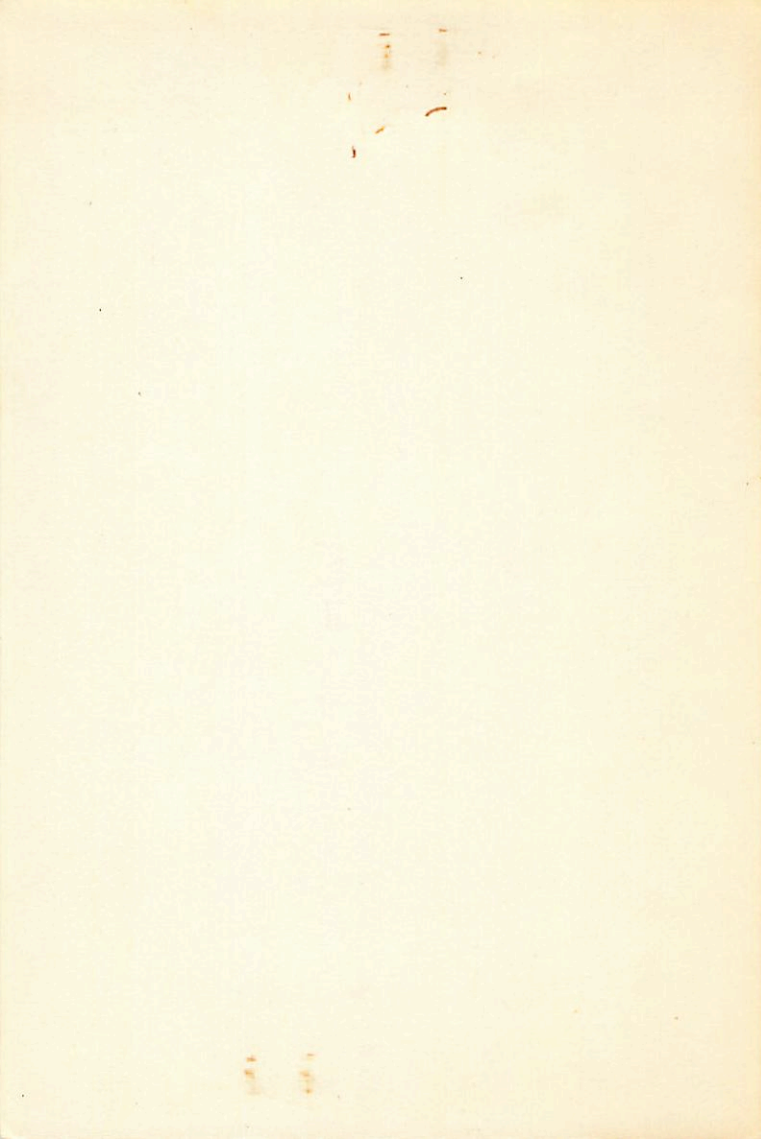
11.22 10.09 10.81 (1)

+0.123 -0.423

+0.124 -0.407

+0.124 -0.415





13

+30° 1367 a

6 47.7

+30 55

Y1624

6 53.8 47.9

+30 54  
+30 47.70

MCL - AC

+092 -215<sup>630</sup>

9.5

M0

16.5 (7) 06M

5 21.5 11.5 21.5 11.5

8.50  
7.66  
7.14  
6.4

71 M6

~~40067 21.5 70~~  
3035  
4526

9.74 +186 +123 (2)  
8.88 +0.62 (2)

+104 -260 A.

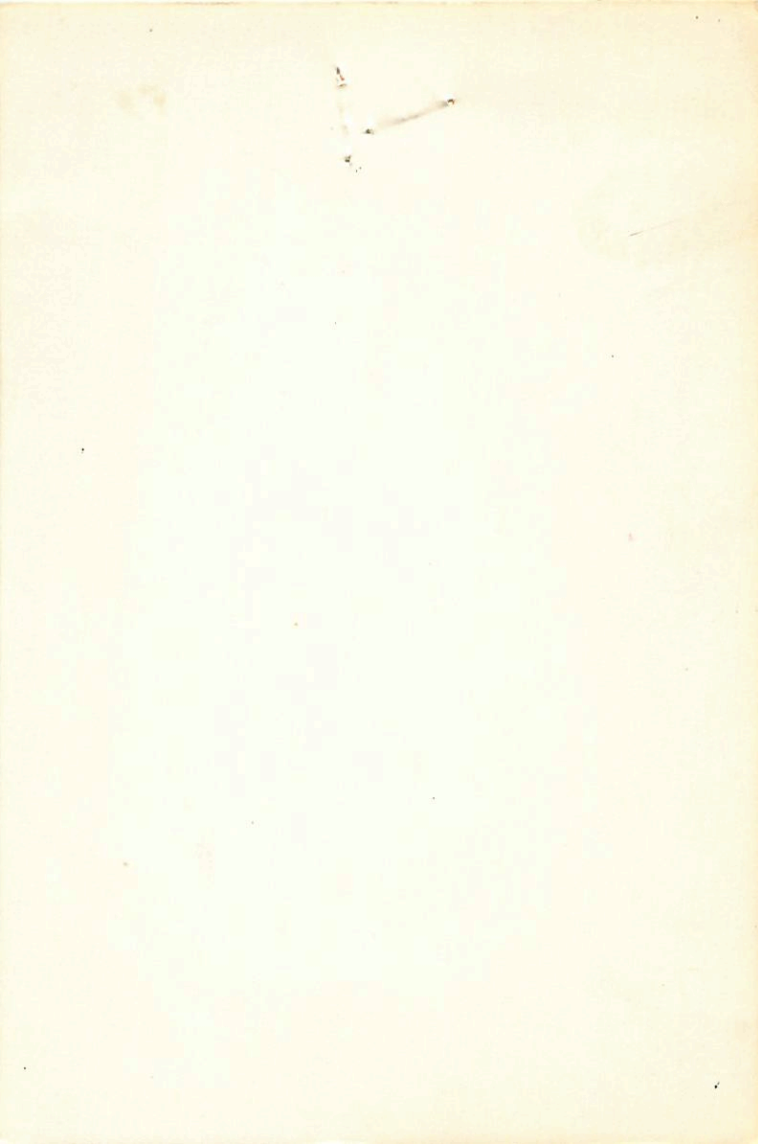
095 - mR

+091 -220 A-G-N

674  
-225  
-235  
+090

92 -225  
092 -218

108  
218  
075  
16.5



Faint, illegible text, possibly bleed-through from the reverse side of the page.

Handwritten notes on the right side of the page, including:  
C. 11/18  
10:30  
11/18  
10:30  
AM

13.000\*

6.000\*

53.000\*

30.000\*

48.000\*

0.090\*

-0.235\*

1.250\*

17.783

-16.500

-0.102

0.963

-17.705

-1.187

-0.093

-19.573

-0.051

0.252

-5.059

0708

0705

173

15.2

4.9

R.A. : 8.900  
 DEC. : 30.800  
 PM. R.A. : 108.000  
 PM. DEC. : -218.800  
 DISTANCE : 0.750  
 MODULUS : 14  
 RAD. VEL. : -10.200

P1 (U) : -0.209  
 P2 (U) : -0.011  
 P3 (U) : 0.209  
 Q1 : -108.800  
 U : -17.378

P1 (V) : -0.374  
 P2 (V) : 0.209  
 P3 (V) : -0.094  
 Q1 : -117.309  
 U : -14.245

P1 (W) : 0.888  
 P2 (W) : 0.385  
 P3 (W) : 0.252  
 Q1 : -1.924  
 W : -4.274

R.A.	:	6.900
DEC.	:	30.800
PM. R.A.	:	108.000
PM. DEC.	:	-218.000
DISTANCE	:	0.750
MODULUS	:	14
RAD. VEL.	:	-16.500
q1 (U)	:	-0.269
q2 (U)	:	-0.011
q3 (U)	:	0.963
dU	:	-106.665
U	:	-17.398
q1 (V)	:	-0.374
q2 (V)	:	0.923
q3 (V)	:	-0.094
dV	:	%-1117.886
V	:	-14.245
q1 (W)	:	0.888
q2 (W)	:	0.385
q3 (W)	:	0.252
dW	:	-7.924
W	:	-4.274

484

6 48.4 +60 2

6 56 49.8 +59 54.45

~~10.7:MO +8.5~~



-12° 17' 24"

$$\begin{array}{r} 6 \quad 51.7 \\ \hline 6 \quad 56.1 \quad 5.7 \\ 44 \end{array}$$

$$\begin{array}{r} -12 \quad 48 \\ \hline -12 \quad 55.72 \end{array}$$

485

$$\begin{array}{r} 90.5 \\ 73.4 \\ \hline 54 \end{array}$$

24 VV

44

$$\begin{array}{r} 75.0 \\ -73.2 \\ \hline +1.8 \end{array}$$

Yale Zone +.090 -.085  
 -1 +2  
 -1

+1.9 300W  
 -7.3 24ppm

9.0 K8 +7.7

+0.089 -0.084

+0.088 -109 VVR

$$\begin{array}{r} +89 -95 +1.9 \\ \hline 1.45 \end{array}$$



485.000\*

6.000\*

56.100\*

-12.000\*

-56.000\*

0.089\*

-0.095\*

1.450\*

19.498

1.900

-0.413

0.701

~~-10.12~~

~~6.712~~

-0.426

-0.709

~~-6.20~~

~~-9.660~~

0.170

-0.076

3.53

~~3.162~~

165  
0467

-10.9

-7.0

32.5

+16°.222-203

6 52.9

+16 6

241

6 SP 21.3

+15 58.04

McG-AC -0.018 -.007

K5-

10.0 K8 +7:

+0".026

+27.1311

6

56.7

+27 41

14

7

2.6 38.1

+27 32.50

ALL-AL -047 -097

10.6

NO

W4654

AGUST

27.7  $\text{D}$

-42 C 2W

dmo

AGUST

12" 2.8<sup>m</sup> WOR 18

→ 25 pc

-52 -117 AG 123

-0.047 -0.097

NO

+67° 2334

6 53.0

+67 26

242

7 2 46.7

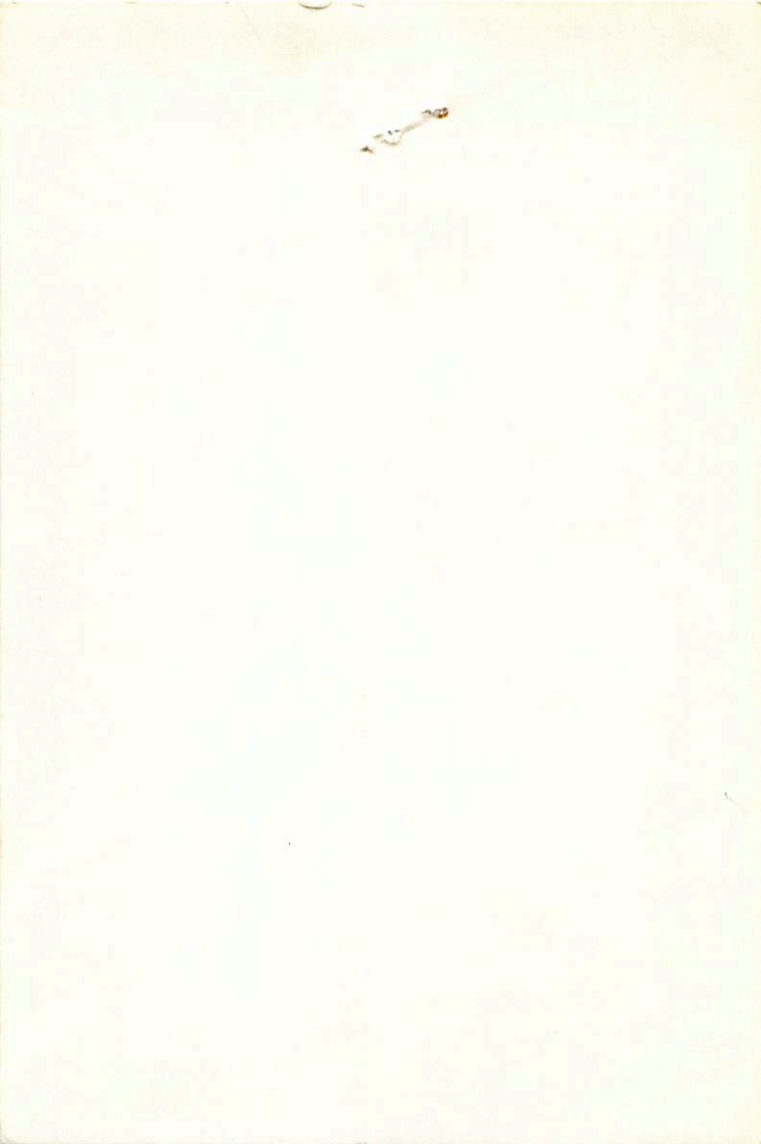
+67 17.74

M<sub>2</sub>

Green. Ast. -0.259 -0.077

10.8 M<sub>0</sub> +9.3







R.A. : 7.000

DEC. : -61.250

DEA.  
ANCE : ~~10000.000~~  
0.980

ULUS : 16

VEL. : 19.100

: 174

(U) : -0.291

(U) : 0.956

(U) : -0.027

dU : 1451.031

U : ~~22.275~~

22.32

(V) : -0.359

(V) : -0.135

(V) : -0.923

dV : 89.089

V : ~~-16.237~~

← 14.60

(W) : 0.887

(W) : 0.259

(W) : -0.383

dW : -316.265

W : -12.282

11.13



7.000	R.A.
-91.350	DEC.
-02.000	PERC.
0.000	PRICE
10	UCUS
19.100	VEL.
	(U)
-0.291	(U)
0.920	(U)
-0.927	(U)
1421.931	QU
35.552	U
	(V)
-0.929	(V)
-0.132	(V)
-0.923	(V)
89.989	QU
-19.387	U
	(W)
0.887	(W)
0.320	(W)
-0.389	(W)
-310.300	EM
-12.282	U

3700

3700

3700

D. VEL. : 30.488  
 MODULUS : 9  
 DISTANCE : -1.950  
 M. DEC. : -0.91.880  
 M. R.A. : 709.000  
 DEC. : -3.280  
 R.A. : 0.400

p1 (U) : -0.189  
 p2 (U) : 0.517  
 p3 (U) : 0.839  
 M : 19.173  
 M-3296.849

p1 (U) : -0.430  
 p2 (U) : 0.724  
 p3 (U) : -0.584  
 M : -32.083  
 M-3837.323

p1 (M) : 0.584  
 p2 (M) : 0.427  
 p3 (M) : -0.189  
 M : 1472.413  
 M : 2.948

R.A. : 6.450  
DEC. : -2.250  
M. R.A. : 709.000  
M. DEC. : -691.000  
DISTANCE : -1.920  
MODULUS : 4  
RAD. VEL. : 30.400

q1 (U) : -0.169  
q2 (U) : 0.517  
q3 (U) : 0.839  
dU : % -2260.849  
U : 16.173

q1 (V) : -0.436  
q2 (V) : 0.724  
q3 (V) : -0.534  
dV : % -3837.355  
V : -32.083

q1 (W) : 0.884  
q2 (W) : 0.457  
q3 (W) : -0.103  
dW : 1472.413  
W : 2.948

~~+52° 10.88~~

~~6 20.7~~  
~~6 24.8~~  
~~6 28.3 18.2~~

~~+52 30~~  
~~+52 28~~  
~~+52 26.28~~

~~474~~

6205 AB  
64 9.47  
7.8 1 9.29  
1.05 4.51  
1.05 1.05

76  
38  
114

+9.2 (A)

+0.100 +0.089

2.5  
+3.0 -0.1 100W

McC-AC +.100 +.089

9.6: MO + 8.2

WORK

5m - 0.7

1940.09 151.7 0.85 3Wor





474.000\*

6.000\*

28.300\*

52.000\*

26.000\*

0.100\*

0.009\*

2.500\*

31.623

3.000

-0.245

0.906