

WFR 1766

23 08.0 - 19 29

455: RE

198887

17874 1424

040-1420

42

7420

15

455

RAD. VEL. :  
 ADDRESS :  
 22.000

IP	(M)	100.0
SP	(M)	014.0
DP	(M)	0.0
IP	(M)	0.0
SP	(M)	0.0
DP	(M)	0.0
IP	(M)	0.0
SP	(M)	0.0
DP	(M)	0.0
IP	(M)	0.0
SP	(M)	0.0
DP	(M)	0.0
IP	(M)	0.0
SP	(M)	0.0
DP	(M)	0.0
IP	(M)	0.0
SP	(M)	0.0
DP	(M)	0.0

Handwritten notes on lined paper:

12.1  
 1440  
 15h  
 16h  
 17h  
 18h  
 19h  
 20h  
 21h  
 22h  
 23h  
 24h  
 25h  
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 91h  
 92h  
 93h  
 94h  
 95h  
 96h  
 97h  
 98h  
 99h  
 100h

~~23 11.5 12~~  
 23 11.5 12  
 23 11.5 12

20.655

23 11.5 79 55

752-047

6443	✓	REC
1000		DEAD
752		284
150		444
		0468
		1.51

+R° 5036	23	10.2	+8	54	862
	23	12.6	+9	12	
	23	14.59.7	+9	25.13	
		15.0			

240106W

MCC-AC F. 101 -0.025

9.8 K8 +7.1

<div style="border: 1px solid black; padding: 5px; display: inline-block;">           -0.101 -0.025         </div>	2.256	46
	2.05	96
		54





1000 500

1000 500

1000 500

1000 500

1000 500

1000 500

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1000 500

1000 500

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1000 500

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1000 500

1000 500

1000 500

1000 500

1000 500

1000 500

862.000\*

23.000\*

15.000\*

9.000\*

25.000\*

0.101\*

-0.025\*

2.050\*

25.704

24.800

0.357

-0.024

8.593

-0.241

0.685

10.789

-0.239

-0.728

-24.197

\*

- 9° 6' 55"      23      8.2      - 9      52

859

ADS 16633 BC;  $d = 0.6$   
DM = 0.1

- 9      20.92

- 25244

AVG

W 14584/5

Yale Zone  $f. 368 \pm 0.08$

10.1: K8  $\pm 7.4$

$\pm 0.043$

A  
↓

Ag 110 = 26.4770 d.

\* The parallax is assumed to be same as G.C. 52373, which is component A of the system.

GC  
MSO

10.370 - 0.012



8622

23 15.0 +9 25-

+805036

9.72 +113 +0.55 ②

+0.495 ②

+245



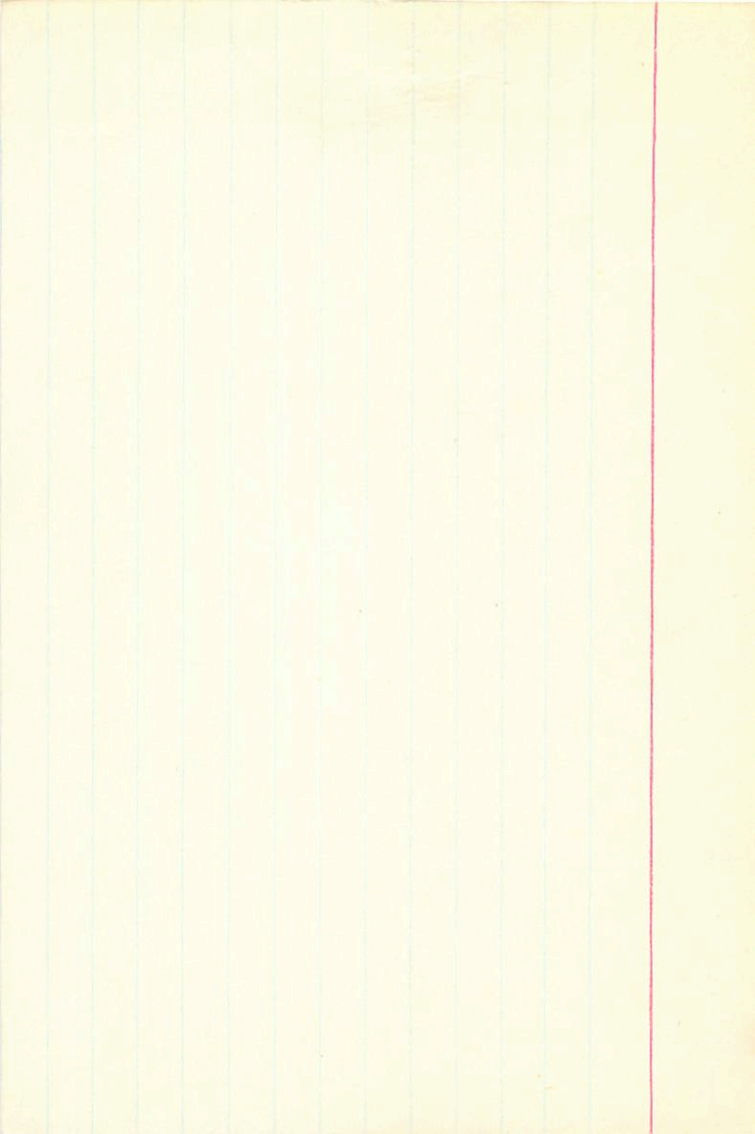
894

23 21.1 + 43 31

895

8.58 + 0.95 + 0.75 ② 8.05 + 0.36 ②  
9.33 + 1.10 + 0.04 ② 8.78 + 0.35 ②

+ 4404356/4400



+19° 1079-115

23 9.4 +18 50  
23 14 6.7 +19 21.11

860

McC-AC -197 -174

11.2 MO +9.6

+4.4988

23 9.4

+4 54

344

23

14 13.5

+5 25.11

IncC-AC +0.033 +0.021

10.2 MO +8.3

+33° 46' 79

23

9.8

+33

54

861

23

14 42.1

+34

25.13

10.5: K8 + 7.1

+1 2224-114

23

12.8

+0 23

863

23

17 39.6

+0 54.20

McC-AC +.037+.015

16.3

M70 +8.3



689-33

23

236

408

87

-448

Endye

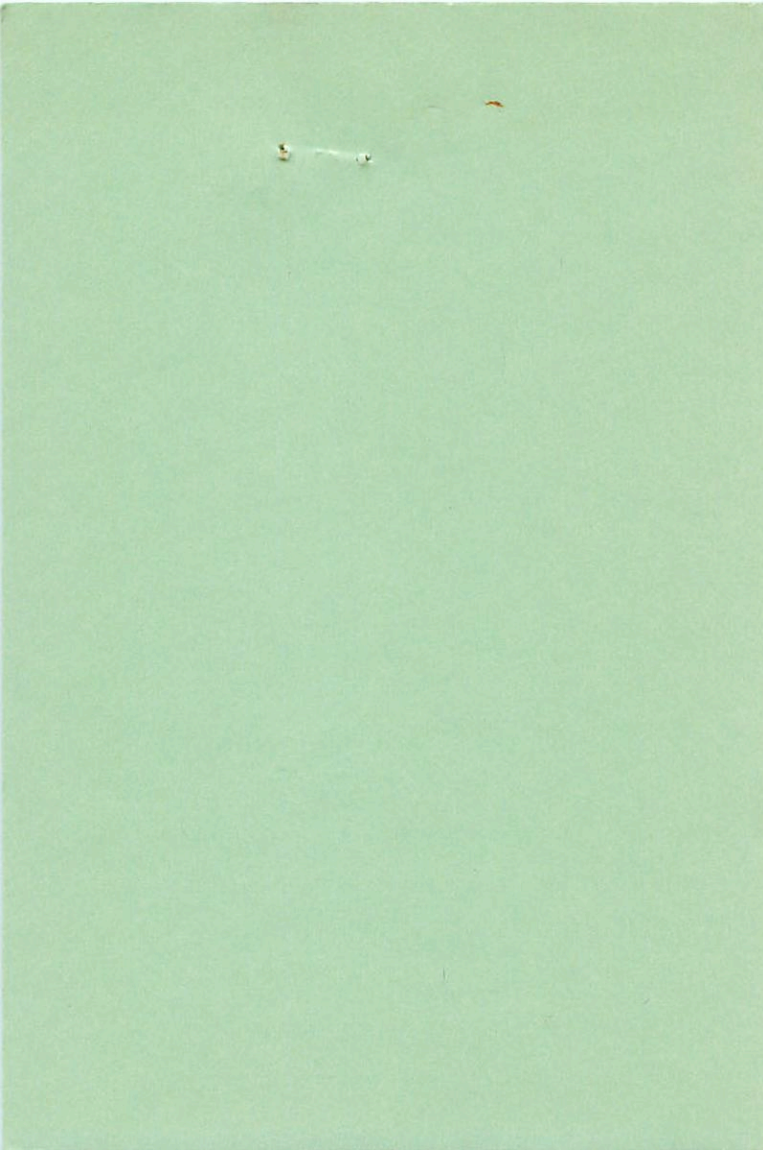
+530-195 ✓

536

195 ✓

0.0  
448 ✓

1



R.A. DEC. : 23.400  
PM. DEC. : 8.600  
R.A. DEC. : 235.000  
DISTANCE : -125.000  
RAD. VEL. : 0.000  
MODULUS : 10  
-44.800

d1 (W) : 0.872  
d2 (W) : 0.488  
d3 (W) : 0.003  
U : 17.278  
17.278

d1 (W) : -0.388  
d2 (W) : 0.653  
d3 (W) : 0.605  
X-1257.0  
-44

d1 (W) :  
d2 (W) :

R.A. : 23.400  
 DEC. : 8.600  
 PM. R.A. : 536.000  
 PM. DEC. : -195.000  
 DISTANCE : 0.000  
 MODULUS : 10  
 RAD. VEL. : -44.800

654  
 1.33  
 35.0  
 q1 (U) : 0.872  
 q2 (U) : 0.489  
 q3 (U) : 0.003  
 dU : 1740.134  
 U : 17.279

579  
 q1 (U) : -0.368  
 q2 (U) : 0.653  
 q3 (U) : 0.662  
 dU : % -1527.2  
 U : -44

q1 (W)  
 q2 (W)

+44° 4399

23 16.6

+45.0

894

+44° 4400

23 " 18.7  
23 21.15/0

+45" 15  
+45 31.29

895

ADS 16720A, B: 26" cpm

45661

15 M(8)

(10)

G.C +0.183 -0.007

HD 220445

G.C. 32552

894 -45.0 100W  
-50.4 100W

8.1 K5 -

8.8 K8 -

Rel. parallax is the mean for the 2 components.

x Value of trip. parallax is prob.  
too low.

897

+0.003

635 774  
723  
535  
(1.9)

8.31

78  
754

1941.84 131° 25.772 16 Plate Mc

+0.180 -0.005

both  
215

894  
and 895

-47.7





895.000\*

23.000\*

21.100\*

45.000\*

31.000\*

0.100\*

-0.005\*

2.150\*

26.915

-47.400

0221

4824

3.28

0.734

0.288

+146

6.112

-0.311

0.925

-574 -52.196

-0.305



+15.4829

23

21.1

+15

16

Y5684

23

25.95

+15 47.39

W14722

34 M(8)

-4202W

A

9.81 + 1.13 + 0.58

DN5

B

9.19 + 0.45

9.4 MD

1401 + 1.59 - 1

12.77 + 1.06

+0.045 - 0.085 MC-AC

-460

50.1

2.5

+0.045 - 0.085

81

82

79



79.000\*

23.000\*

05.900\*

260

14 14+

23 30.2

23832-4141

✓	2137	✓	9229
	LEAD		2182
	✓		2813

	946	1945
	646	1884

646 158

6471-5

9460

h910

Ph

254



-2.5958 23 19.4 -2 05

23 24 28.5 -1 33.64

W14711 45678.1

28M(7)

99C(7)

MCL-HC +355 +249

+370 +209 CR

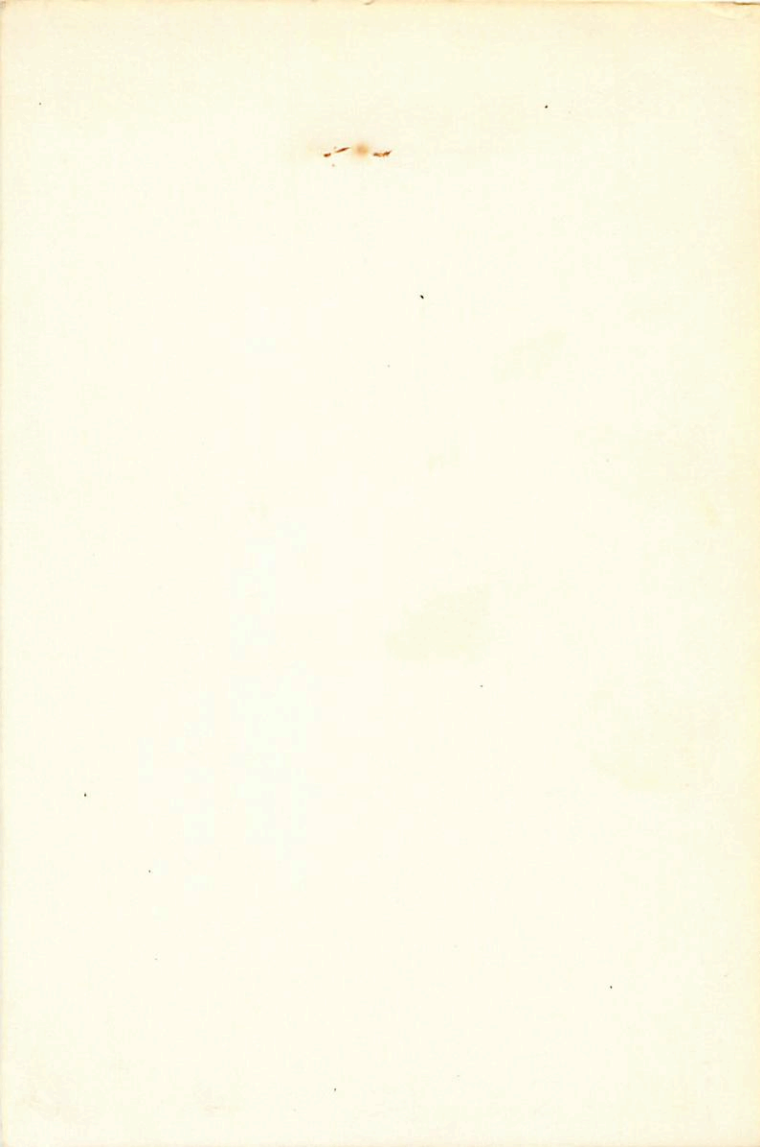
+0.390 +0.230

28

+27C 2W

dmd

11.1 112



612800

23 27.8 131 26 -244 AS

8.31 0.83

0.245 132 ✓

182-164

70  
164  
185  
242

8.88	QM	:	210.57	(M)	SP
8.48		:		(M)	SP
8.28		:		(M)	SP
8.18		:		(M)	SP
34.87	U	:			
227.29	QA	:			
8.89		:		(V)	SP
8.34		:		(V)	SP



R.A.	:	23.450
DEC.	:	31.450
PM. R.A.	:	213.000
PM. DEC.	:	-164.000
DISTANCE	:	1.850
MODULUS	:	23
RAD. VEL.	:	-24.400
q1 (U)	:	0.873
q2 (U)	:	0.443
q3 (U)	:	0.202
dU	:	407.640
U	:	4.627

-0.375

+30°73211

23

32.4

+30

12

865

23

37 7.7

+30

43.58

M<sub>c</sub>C-AC +.176 -.004

10.9: M<sub>0</sub>

+8.0

~~-3°5691~~

~~23 34.8~~

~~-3 22~~

~~345~~

23 39 40.6

-2 50.38

mc C-AC -0.23 -0.28

10.5 MO + 8.8

6155819  
Sum

30.7

-49 04

23 333 -48 52

49.1759

A 10.10 1.35 9.20 0.660

29<sup>th</sup>

-127 004 B

1837 1.45 17.10 0.09

5276  
9249  
6444  
8288

9557  
6555

127  
000  
900  
060

111

(31  
-25  
-14)

Erwin

~~64529~~

151111

117:0E

23 25.4 19 22

985 0.108

898 134

2552  
134

1.7  
117

RAD. VEL. : -117.000  
 MODULUS : 22  
 DISTANCE : 1.700  
 FM. DEC. : -134.000  
 FM. R.A. : 2252.000  
 DEC. : -69.400  
 R.A. : 23.000

U : 133.327  
 Q1 : 3630.231  
 P3 (U) : -0.461  
 P2 (U) : 0.147  
 P1 (U) : 0.875

-1 (U) : -0.396  
 0.705

Q1 (M) : -0.627  
 Q2 (M) : -0.727  
 Q3 (M) : -784.888  
 MP : 67.938  
 M :

R.A. : 23.600  
DEC. : -69.400  
PM. R.A. : 2552.000  
PM. DEC. : -134.000  
DISTANCE : 1.700  
MODULUS : 22  
RAD. VEL. : -117.000

q1 (U) : 0.875  
q2 (U) : 0.147  
q3 (U) : -0.461  
dU : 3630.531  
U : 133.397

q1 (V) : -0.396  
q2 (V) : 0.765  
q3 (V) : -0.508  
dV : % -2172.65  
V : 11.903

U : -0.278

$-20.6640$       23    35.2      -20    4/25      346  
                  23    37.6      -20  
                  23    40/8.5      -20    9.38

IncC-AC  $-0.268$   $-0.270$

9.9 K8 7:

$-254$   $-252$   $917$   
 $-256$   $158$   
                  56

$-265$   $13.0$   
 $-275$   $2.95$



346

~~23.000\*~~

23.000\*

40.100\*

-20.000\*

-9.000\*

-0.265\*

-0.275\*

2.950\*

38.905

3.000

-1.687

-0.175

-66.162

-0.639

0.241

-24.147

0.148

-0.955

2.889

+12° 50' 16      23      35.4      +12      866  
23      37.8      +12      48  
23      40' 2" 13.1      +13      3.62

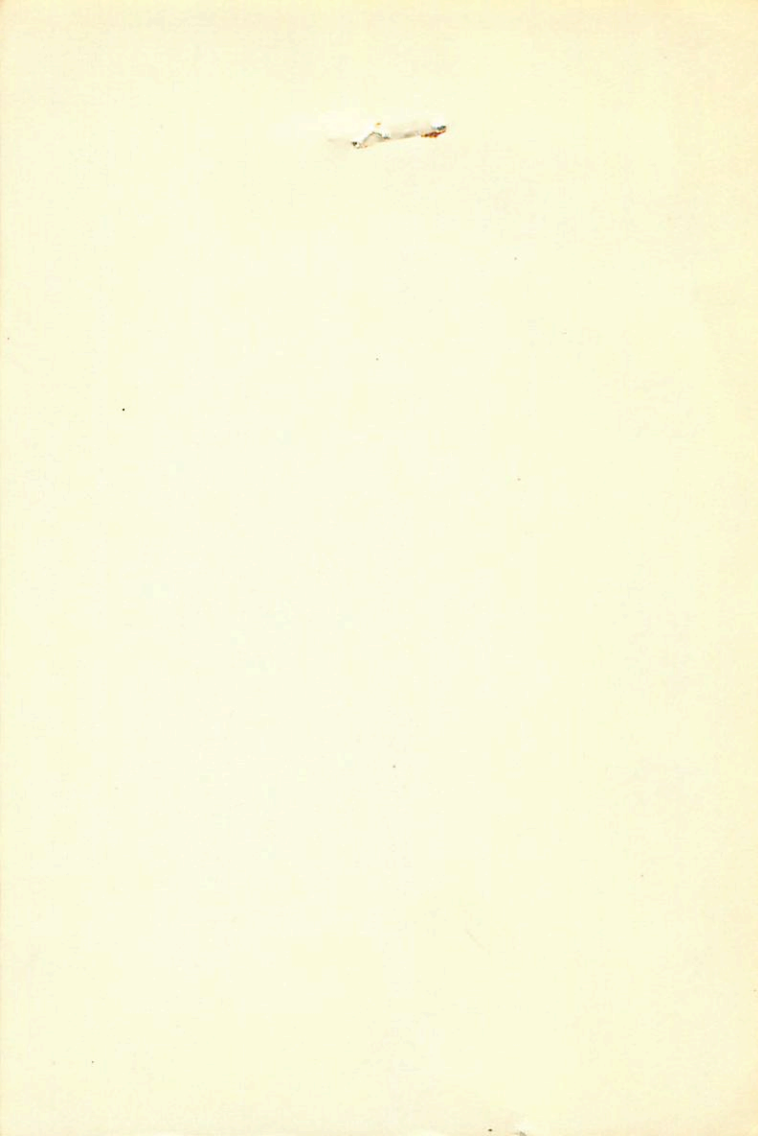
864  
815  
528

Yale Zone +.025 1.038      9.6 K8 17.4

- 2 +2  
+2

18.9  
2.5  
+0.023 +0.042

Had 10W



616889

23 4/8 + 21 19

79 0.428

806 0.470  $\pi$

464097

~~1000000~~

9918 9850 } 470  
1936 } -005  
-1274 } -045

0794 046  $\pi$

1.53

346

23 41

-20 03

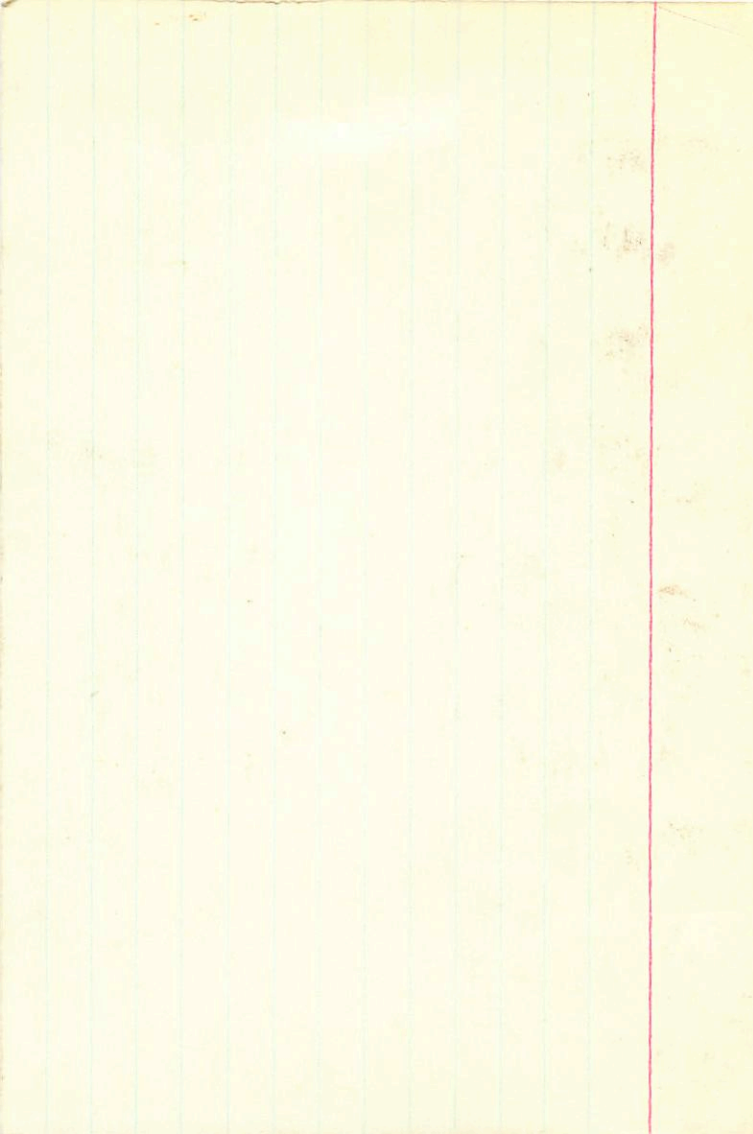
2006640

9.4 ML

≡ 21616

10.17 + 1.075

+ 1.022 @ 9.55 + 0.40



866

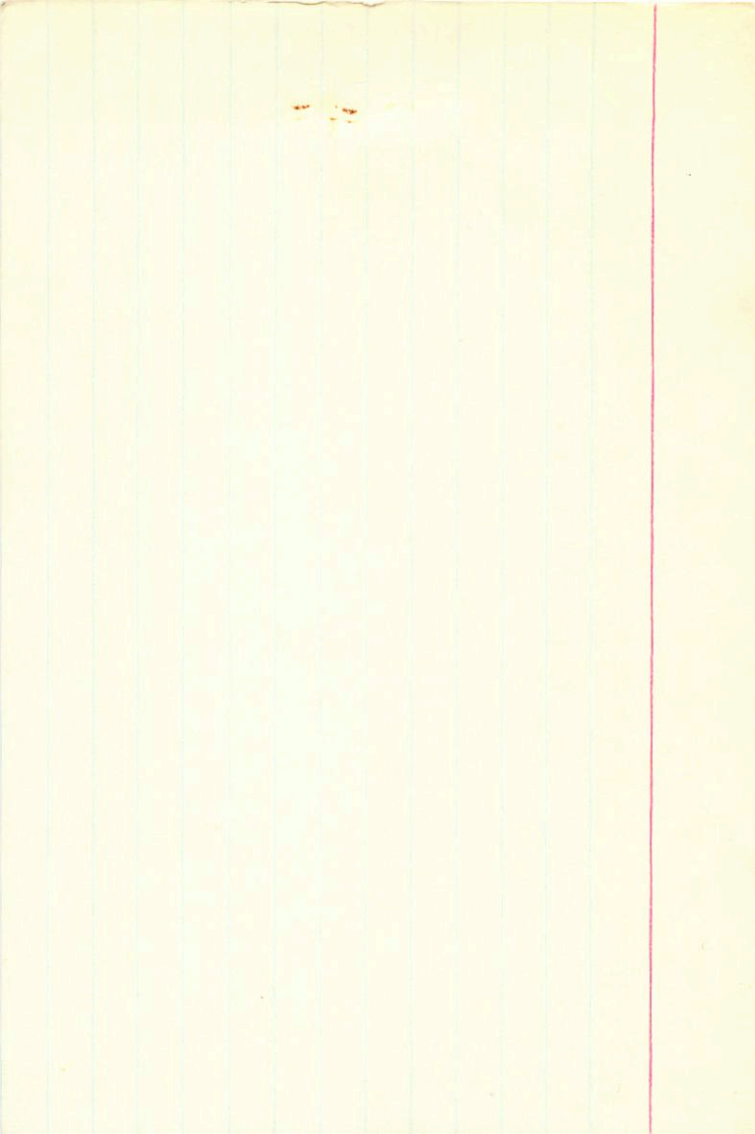
23 40.2 + 13 04

+ 1205016

9.58 + 0.57 + 0.59 ①

+ 0.365 ②

+ 8.90





28

9052A 23 77.4 732 19

-253

-25 -06

1168 1.57

1046 1.09

23.7

7323

-245

-60

0.95

-253



23.700  
32.300  
-295.000  
-60.000  
0.450  
12  
-25.300

0.875  
0.410  
0.257  
-1151.070  
-20.662

-0.410  
0.340  
0.043  
305.962  
-16.578

-0.256  
0.043  
-0.473  
52.596  
12.729

-20,658

7.5

23 11.5 19 55

451 047

9449 1000 } 751

-3272 0020 } 046

✓ +4.4

0447

1.4

RAD. VEL. : 25.000  
 MODULUS : 20  
 DISTANCE : 1.200  
 PM. DEC. : N-1430.0  
 PM. R.A. : 42.000  
 DEC. : -19.200  
 R.A. : 23.100

p1 (U) : 0.324  
 p2 (U) : 0.410  
 p3 (U) : -0.292  
 q1 : N-2594.3  
 U : -27.827

p1 (V) : -0.323  
 p2 (V) : 0.897  
 p3 (V) : 0.302  
 qb : N-9027.4  
 U : -100.041

p1 (W) : -0.300  
 p2 (W) : 0.127  
 p3 (W) : -0.207  
 qm : N-1125.2  
 W : -73.783

R.A. : 23.100  
 DEC. : -19.500  
 PM. R.A. : 42.000  
 PM. DEC. : % -1420.00  
 DISTANCE : 1.500  
 MODULUS : 20  
 RAD. VEL. : 55.000

q1 (U) : 0.864  
 q2 (U) : 0.410  
 q3 (U) : -0.292  
 dU : % -2594.3  
 U : -67.827

*0482 ✓*  
*1.59*

q1 (V) : -0.323  
 q2 (V) : 0.897  
 q3 (V) : 0.302  
 dV : % -6097.4  
 V : -105.041

*→ 0.0*

q1 (W) : -0.386  
 q2 (W) : 0.167  
 q3 (W) : -0.907  
 dW : % -1195.5  
 W : -73.762

*100*  
*54.7*