

91912

10 345 -8 35

+18.2.14

AD5985

703 +062

22-04

0064-052-88M

098-652

56 ✓

2.0

+18.2

R.A. : 10.550  
DEC. : -8.600  
. R.A. : -96.000  
. DEC. : -52.000  
STANCE : 2.000  
MODULUS : 25  
. VEL. : 18.200  
q1 (U) : -0.835  
q2 (U) : 248.407  
U : 9.624

q1 (V) : 0.236  
q2 (V) : 0.643  
q3 (V) : -0.729  
dV : -264.489  
V : -19.909

q1 (W) : 0.496  
q2 (W) : 0.565  
q3 (W) : 0.659  
dW : -362.654  
W : 2.883

5

974

21 Reg 10 35.1 - 13 07 - 25.0  
- 12 32.1  $\frac{10}{2}$  - 24.3  $\frac{20}{2}$

1544 + 1002123.5  
1604 + 10022

4.980  
096  
884  
2624 1598.7  
+ 38  
2586  
1888  
24.0

+ 10022 - 042  
+ 10023 - 043  
+ 1034

39.53 1934.37

50.918  
+ 13.990  
4.908  
016

46.112  
25.402  
25.70  
25.335

4976  
+ 010  
4986

2665  
+ 38  
2697

1917  
4958  
+ 074  
1940.2  
37.24

3.45  
92  
3  
38  
307  
310  
1.9  
3/4

+034-043

213

145M. 5.85

<del>-838 +533 +120</del>	<del>-1350 -1096</del>	<del>2436 -353</del>	<del>-383</del>	<del>-3.0</del>
+241 +558 -794	+0388 -1137	-0744 -10.9	+8.9	+19.8
+490 +636 +596	+0740 -1296	-0505 -7.3	-22.2	-14.9

4.82 + 2.51 - 5 May 69

4.82 + 2.69 + 5.75

3.32 + 0.94 8 June 69

3.49 + 0.91 30 "

3.32 + 0.94 1 July

3.49 + 0.905 2 July

3.42 + 0.94 6 July

3.48 + 0.96 (5)

115

287  
170  
167  
365  
5

+0021 ± 3.5  
+0010

92055 10 35.1, -13 07 4.8 N -25.08

+0022  
+0028 508  
7048  
2212

14611  
6632 4.980 1904.1 26.24 1898.7

096  
884  
5078  
2218  
2714

26.45 1940.12

4.976  
977  
1833

33.1

50.916  
13.915  
48.33  
4.10  
643  
436

+38  
26.07

49

99.53 1634.37

37.2  
38.5

115  
3.24 9'2

46.12  
25.65  
182

+0016 -0375

26.10  
25.93  
25.91  
25.91  
-1.52

2.86

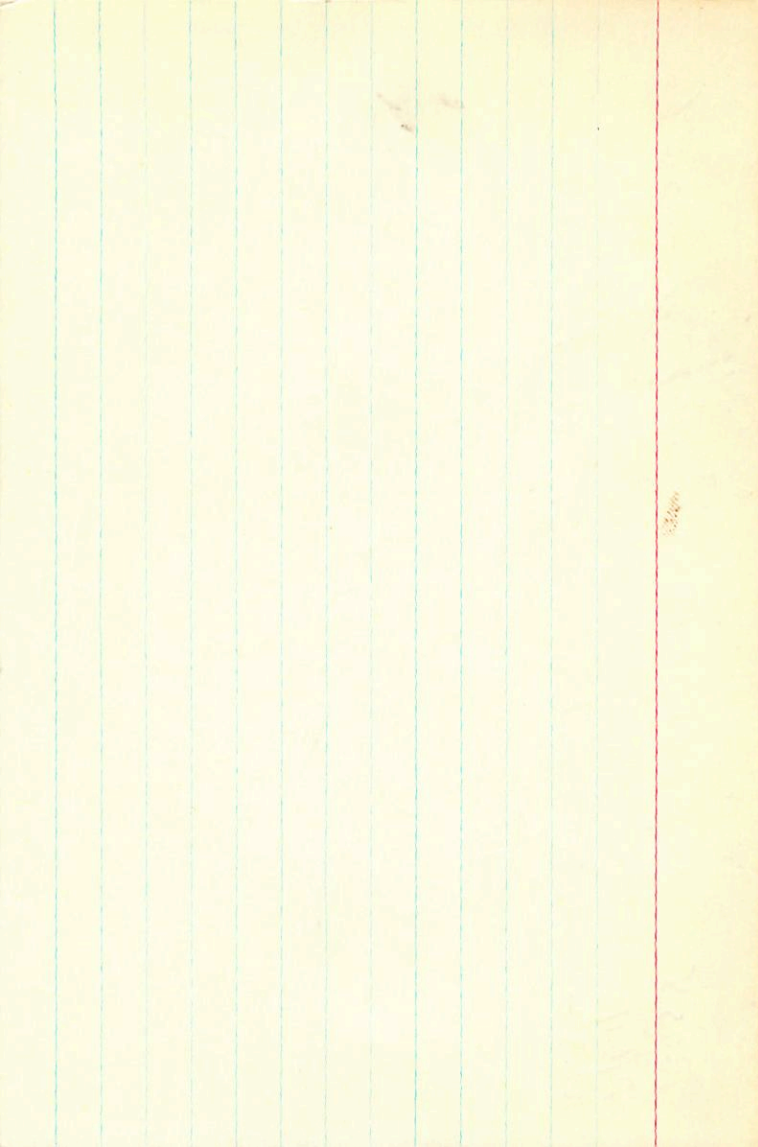
122  
165  
7

+0025 -0140  
+00234 -0140  
0312

5.65

+0036 -036





974

10 35.1

13 07

-25.0

+0025 -035 4A.

+ 1 =

+039 -036

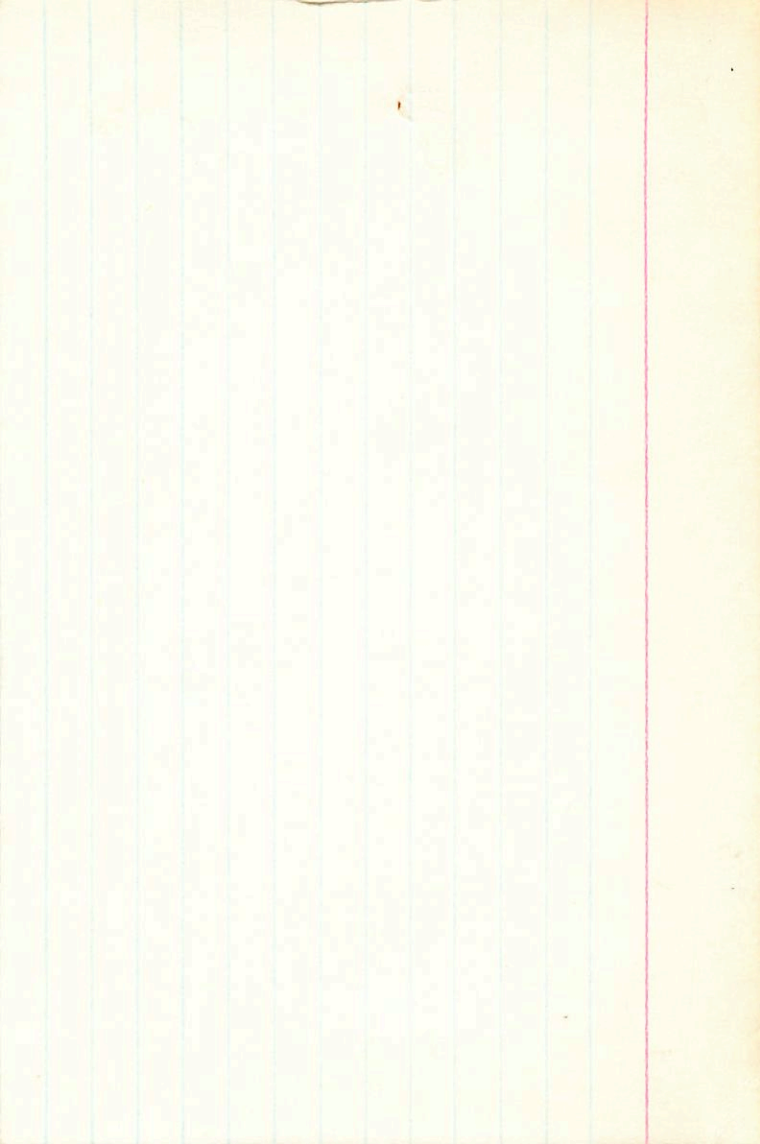
838	528	139
241	586	-774
490	618	618

-1509	-0901
+0434	-1000
+0882	-1046

<sup>22</sup>	-2410
<sup>16</sup>	-0566
	-0167
	501

3000

-75.9	-36	-1.4
+2.7	+194	+778
-20.7	-15.7	-6.2





4167 18778 16.3 390  
-4704373 10 35.2 -47 55 +21.3 a

1057 478 .0327 714.7

383 086 77.06  
621 623  
4121 -0145 -024  
-152 -026 66  
-143 -022 020  
-157 -009 713  
-150 -022

(1.9)

633 656 658  
4110 4114  
211 215 1179  
-218  
280  
494.2

100  
000  
000  
500

(2.2)

-6.9 26.3  
-5.6 26.35  
5.75 26.35

480 480  
2.26 +2.3

362-932 - 243 670 -150-022 +213 016-16-071  
054-006 140-015 327 644 +14.3 -13 +5 0327

-3 +25 -18  
+14 -26 -9

P Val

92139 10

35.2

47 58

4.1 Fop 719.2a

14614 4167

6633

99

-142 -22 N30

-145 ± 2.5 -22 ± 2.4 6c → N30

Sp. B. P. =

R.A. : 10.600  
DEC. : -47.950  
M. R.A. : -218.000  
M. DEC. : -21.000  
DISTANCE : 2.800  
MODULUS : 36  
D. VEL. : 19.000

q1 (U) : -0.839  
q2 (U) : 0.510  
q3 (U) : -0.191  
dU : 529.796  
U : 15.598

q1 (V) : 0.244  
q2 (V) : 0.037  
q3 (V) : -0.969  
dV : -172.479  
V : -24.675

q1 (W) : 0.487  
q2 (W) : 0.860  
q3 (W) : 0.156  
dW : -422.464  
W : -12.383



225 600

92109

10 35.7 +14 32 8.5V 60+62 -50c

+1502230

6635

-18.2 +606

234 +20.7 +022

-41.7 +1008

-1#8 +4#6 Y

+3 -1

+2 +3

0 375

+2 +5

d 0.600 8.90 +0.63 +0.07 +10 +0.71

log -222

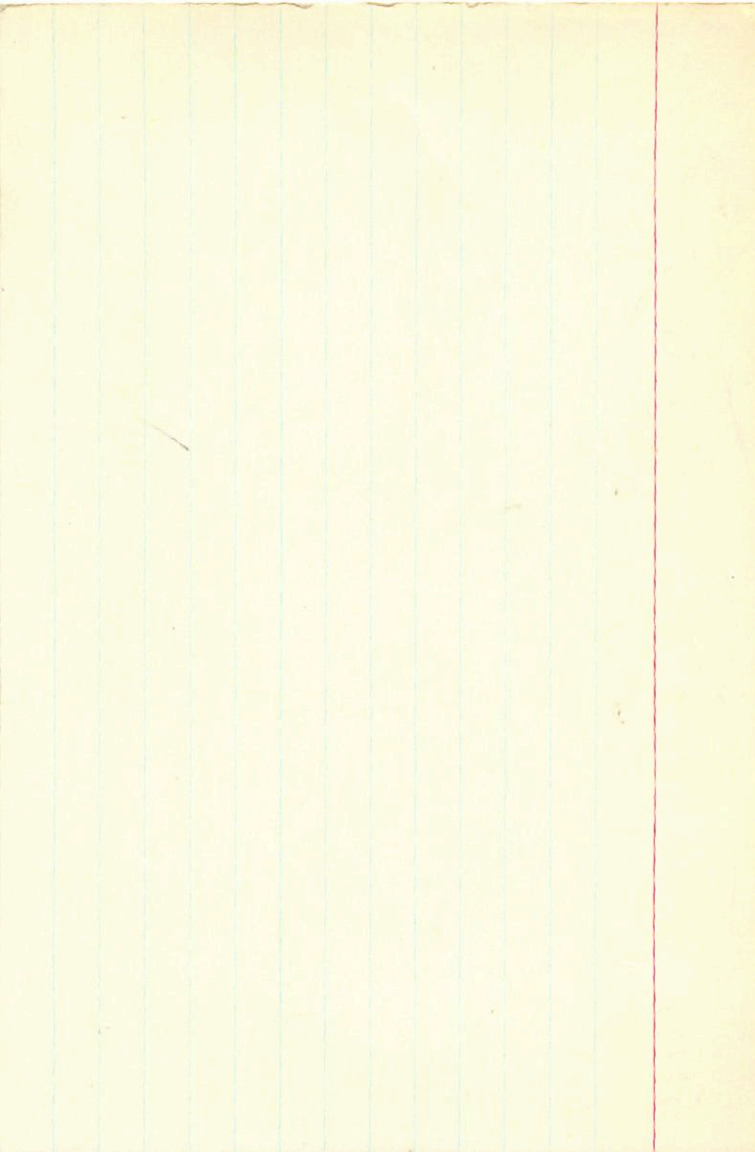
7.5  
5.65

MV +5.35  
4.3

21 -15

22 +23

23 -41





-0109 ± 2.9  
-0111

92095 10 36.0 + 53 5.52 + 1.27 + 1.34 153 III 842.10  
5.7 9153 + 45.4<sup>e</sup>

14625  
6637

0.273 1891.2 + 53 55 47.49 1894.3  
 $\frac{641}{914}$  + 4.68  
52.17

27.16  
33.625  
0.181  
6.07  
611

76.6 1924.9  
46.60 25.00  
 $\frac{50.00}{49.40}$   
49.42

1270  
 $\frac{423}{49}$  44.4

48.33  
 $\frac{48.33}{3.84}$

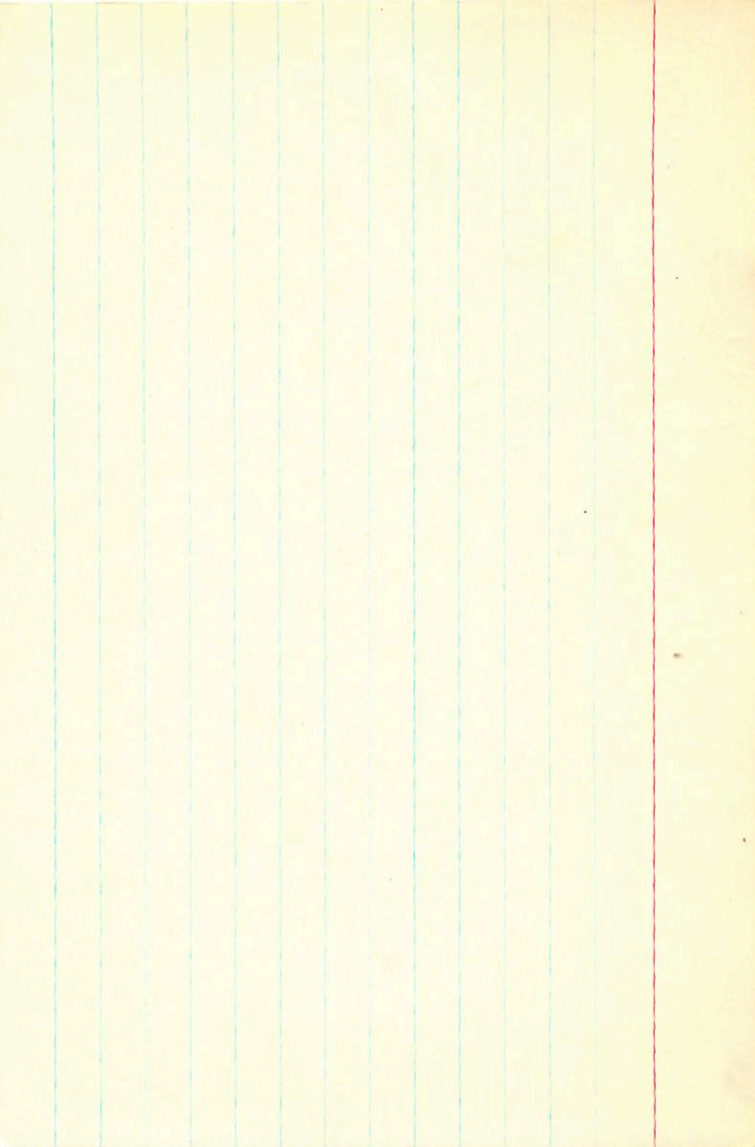
0.347  
340

48.11 1944.75  
-21  
 $\frac{47.90}{48.03}$

11.679  
 $\frac{356}{41.3}$

0.337  
 $\frac{16}{31}$

1947.14  
 $\frac{48.03}{42.7}$



92095  
6614625  
w6637

10 36.0 +53 56 g 113 +45.46  
5.52 +1.27 +1.34 113 111  
+45.4 v (6)  
+45.2 w (4)  
w(10.4)

+60 -37 +31 .010  
+63 -43 +30 .009

-096 -084 6c

+0039 ± 2.2  
-026 ± 2.1  
+0032.1  
-027

50.60  
10<sup>69</sup> 36.2 +16 23 915.2 -12.7 6

+092196 6.6  
W 6640 14633 5660 -9244 6975 -7166 0527 +0240 +0245 (3.0) +053 -018 2

13.759 1902.5 +16 23 17.71 1900.4  
185  
129  
+0037 -0265  
+ -025

574  
13.685  
696  
19.00  
17.78 1932.8  
+0532  
+054-021 12 65

685  
13.669  
20  
689 +111  
21.8  
17.96 1939.2  
18.07  
34.3  
33.9

53.273  
20.415  
13.655  
16.51  
65.44 1930.13  
46.95  
18.50  
17.99  
16.35

366-930  $\sim$  82 959 +053-018 -12.7-005-3.6 -081 ✓  
-019 002 -049 005 -114 -223 -12.2 +11.3 -4.5 01  
0 -26.5 -11.7

+3.8 -19.5 -9.0 015  
-21.0 +3.7 -4.3

+5.6 +5.6 -7.6 02  
-16.7 +4.0 -5.9

HR4468

94175

94186

10 363 +38 01 384 +38 10

5-2-15

368	218	455	2615
584	382	188	487 ①
		281	
		285	
		185	



$$\begin{array}{r} 59.22 \\ - 5 \\ \hline 54.13 \end{array}$$
 59.22  
 54.13 2089 - 9740

7.104 71.82

$$\begin{array}{r} 21835 \\ \hline 11 \\ \hline 21691 \end{array}$$

$$\begin{array}{r} 254 \\ \hline 253 \end{array}$$

254  
 253

$$\begin{array}{r} 59.22 \\ \hline 59.22 \end{array}$$

Money

$$\begin{array}{r} 21835 \\ \hline 2 \\ \hline 21835 \end{array}$$

$$\begin{array}{r} 59.22 \\ \hline 59.14 \\ \hline 15 \end{array}$$
 59.22  
 59.14  
 15

204767  
 204767

$$\begin{array}{r} 22148 \\ \hline 203 \\ \hline 21945 \end{array}$$

$$\begin{array}{r} 203200 \\ \hline 203200 \end{array}$$

AD

-12 14

10 36.4

4172

③ 417.1

447

92278 10 37.2 +47 06 7.3 A2 -7.36

14659

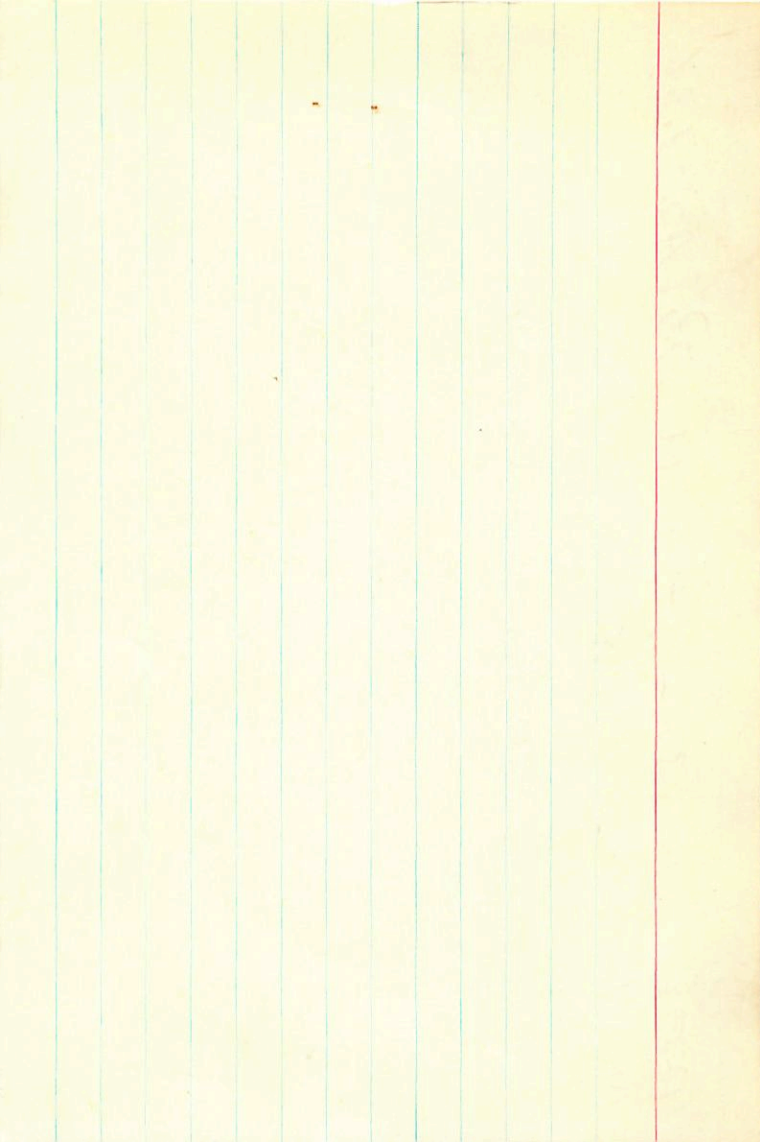
6644

FRS (E)  
-041.7.8.15

<sup>18</sup>  
-0040 -035 N30

-0037 ± 5.1 -047 ± 4.5  $\alpha \rightarrow$  N30

~~1046029~~ ~~60000~~



-0046 -035 N20

H09227

10 37.2 +47.06 7.28 -2

+4701797

-0026 -045

~~37~~ 39.60  
 89.812  
9.412  
~~9.134~~  
278  
 9.204  
282

13 56.4  
 7 47.58  


---

 6 8.82  
 -06  


---

 8.76

5

~~003951~~ -050±4.5  
 8.76  
~~00~~  
8.76  
 +1.10  


---

 9.86

37, 9.208 1408.7  
 141  
569

6.90 1909.2  
 8.04

9.145  
4020

7.92 1952.33  
 -40  
7.52

9.369 1408.7

8.94 1409.2

~0046      ~035

37. 9.171 1426.8

7.56 1427.3

9.278<sup>107</sup>

$\frac{7.54}{2}$

9.145

7.52 1452.33  
8.33  
+ 1.99  
~~9.32~~

~0046 ~042  
+2 +3  
GC, N30, W52

~6044 ~039 2  
" F.002

W5



HR4150

10 37.3 -55

20 G-2 II

G2419

5759 -9699  
6809 2437

4.26 + 10.8      +0.77 H  
4.27 + 10.3      +0.77 C  
4.27 + 10.4      +0.77

3.88 + 0.335      7m  
3.88 + 0.385

(104)

3.80 32

346

346

7.6

FIR4 +20.00a

133  
-00267 -0006  
00 + 41

3.00

u.f

u.f

u.f

B V0620      M<sub>V</sub> = -0.6

(B-V) = 0.25

(B-V) = 0.25

(B-V) = 0.25

-0226

- 23

-0220 + 504

+10

+13

-2.8

53

Apr 1466

Apr 1466  
24552  
24650

24574  
-1024  
24550 .100

~~19115~~  
19115  
-1024  
18091

+1004  
18091 + 42  
18133

19115  
-1024  
18091

18091 - 10145 = 7946

19115  
-11  
19104

19350

-0110  
19240 + 1004

19115 + 13



12

53

4180.000\*

10.000\*

37.300\*

-55.000\*

-20.000\*

-0.020\*

6.8

0.004\*

7.600\*

231

331.131

20.000

0.089

-0.258

+15

24.200

+0.025

-0.965

-25

-27.609

-0.029

0.045

-6

-8.749

G-44-30

10 37.7 411 27

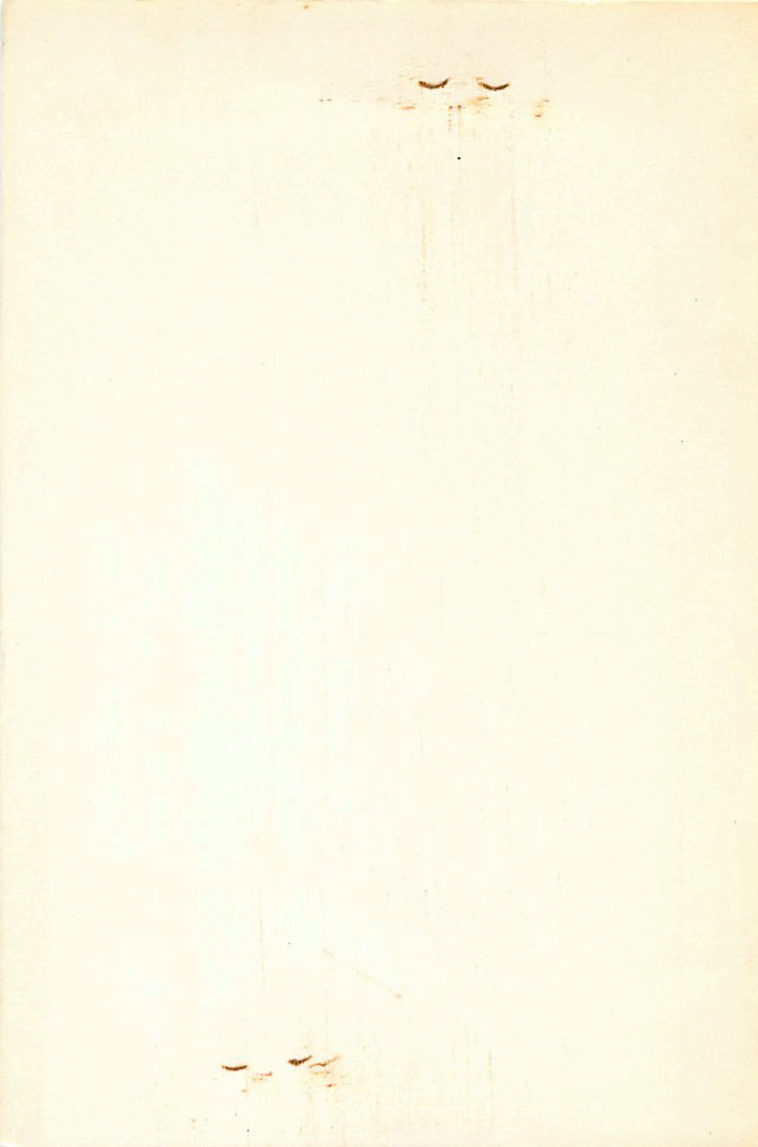
11.30 463 403

4112.6

Send

12.2

41334①



4176

10 38.3 + 68 43

5.73 8143

+ 5.48

- 0.24 - 0.24 0.0

+ 4

0.22



54



4176.000\*

10.000\*

38.300\*

68.000\*

43.000\*

-0.025\*

-0.029\*

5.500\*

125.893

5.400

0.107

0.538

16.319

-0.146

0.469

-15.854

0.016

0.700

5.790

54

4185

10 38.5 -64 50

401

5.52-17-57

546  
1465  
6.9

+29.7

100-601

7.46

2.707

620

55



105.000\*

10.000\*

38.500\*

-64.000\*

-50.000\*

-0.016\*

-0.001\*

6.950\*

245.471

29.700



1897 + 1740 + 038 + 2.1 - 7.7  
 0714 - 3414 - 3756 - 23.1 - 4.6  
 12430 - 69 + 2527 + 156 - 5.8

482 - 494 723  
 27 678 422  
 145 200 027

343 617

1144 - 069

2742  
381

1014  
 3042  
 81  
 1144 - 075 - 07 - 1014

2986 + 2  
 2988  
 1422  
 163  
 474

3378  
 1896  
 1482  
 474

- 10.76

1392  
474

1418  
 338  
 141  
 141 - 50 (G)

1076 5.1 614 9.86 10 478 9244 1468 6654 474

32942  
20  
5/2

(blind)

42.46  
13

25

92589

10 356 -35 29

4112 (D) VCR

661489  
-351646

-0022 4065 Story

4143

-00224 40642

-0027.

E2-009

5

1	100.00	100.00	
2	100.00	100.00	
3	100.00	100.00	
4	100.00	100.00	
5	100.00	100.00	
6	100.00	100.00	
7	100.00	100.00	
8	100.00	100.00	
9	100.00	100.00	
10	100.00	100.00	
11	100.00	100.00	
12	100.00	100.00	
13	100.00	100.00	
14	100.00	100.00	
15	100.00	100.00	
16	100.00	100.00	
17	100.00	100.00	
18	100.00	100.00	
19	100.00	100.00	
20	100.00	100.00	
21	100.00	100.00	
22	100.00	100.00	
23	100.00	100.00	
24	100.00	100.00	
25	100.00	100.00	
26	100.00	100.00	
27	100.00	100.00	
28	100.00	100.00	
29	100.00	100.00	
30	100.00	100.00	
31	100.00	100.00	
32	100.00	100.00	
33	100.00	100.00	
34	100.00	100.00	
35	100.00	100.00	
36	100.00	100.00	
37	100.00	100.00	
38	100.00	100.00	
39	100.00	100.00	
40	100.00	100.00	
41	100.00	100.00	
42	100.00	100.00	
43	100.00	100.00	
44	100.00	100.00	
45	100.00	100.00	
46	100.00	100.00	
47	100.00	100.00	
48	100.00	100.00	
49	100.00	100.00	
50	100.00	100.00	

10389 + 3252

3146-58

0977 WSWU  
WA

10 38.9 + 37 52  
 -1461<sup>23</sup> -362 L 207  
 -1420 -380 G  
 -1442 -360 WSWU  
 -1.441 -367

9092	9801	}	1.485
4163	1986		0735
			+2.05
			1701
			1.5

42777

10 33.5 + 69 20 -0.28

NR 481

474

$\frac{474}{474}$

22.0

-002 -016

~~474  
474  
0~~

+ 6084 -016 N30

+ 6008 -016 GV

+ 6005  
-016

+ 6003

-843 -051 535

255 840 480

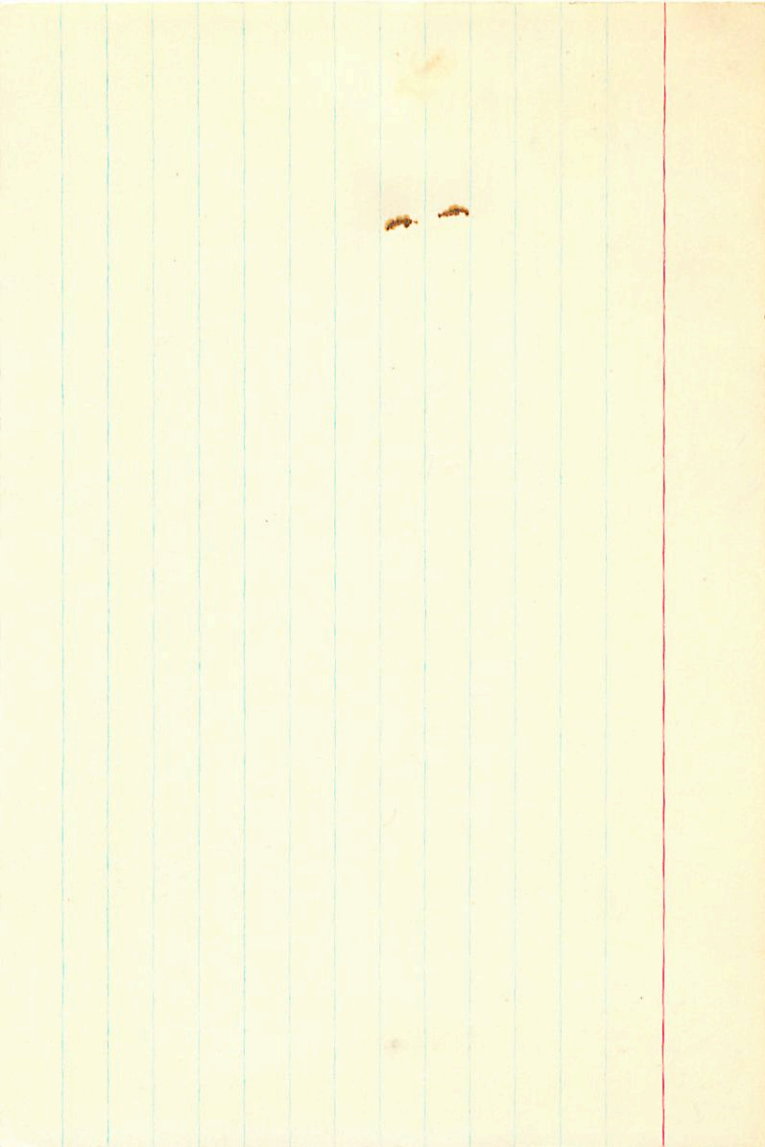
474 -542 664

-0120 + 6039 -0081 -0.8

+ 6036 -0637 -0601 -6.3

-0067 + 0410 + 0343 + 3.5

①



92714

10

39.7

-13 31

-18.1 MA

680 hr

4064 ~172 (Carbonyl)

239-172

296

172

2.0

-19.1



R.A. : ~~10.650~~ 10.650  
DEC. : -13.500  
M. R.A. : 246.000  
M. DEC. : -172.000  
DISTANCE : 2.000  
MODULUS : 25  
RAD. VEL. : -18.100

q1 (U) : -0.842  
q2 (U) : 0.526  
q3 (U) : 0.120  
dU : % -1383.540  
U : -36.920

q1 (V) : 0.252  
q2 (V) : 0.580  
q3 (V) : -0.775  
dV : -186.948  
V : 9.330

q1 (W) : 0.477  
q2 (W) : 0.622  
q3 (W) : 0.621  
dW : 33.531  
W : 10.000

-0015 ± 5.6 -009 ± 3.4  
-0014 -000

10 · 39.8 + 51 04 / 7.2 dA7m -1.58

92668

14719 8" (9.4 dg-6 -3.16

50.819 19033 + 51 3 40.25  
070  
889  
40.78

6662(3)

A05794

19.69

31.310

51.000  
-15.8

846  
846

10 mm 194

90.7 1926.04

49.62

41.08

-55 92

40.54

40.54

40.31  
-47

118.51  
39.5

40.59 1945.37

-31

40.19

40.44

-25

36.2

840  
-049

50.844

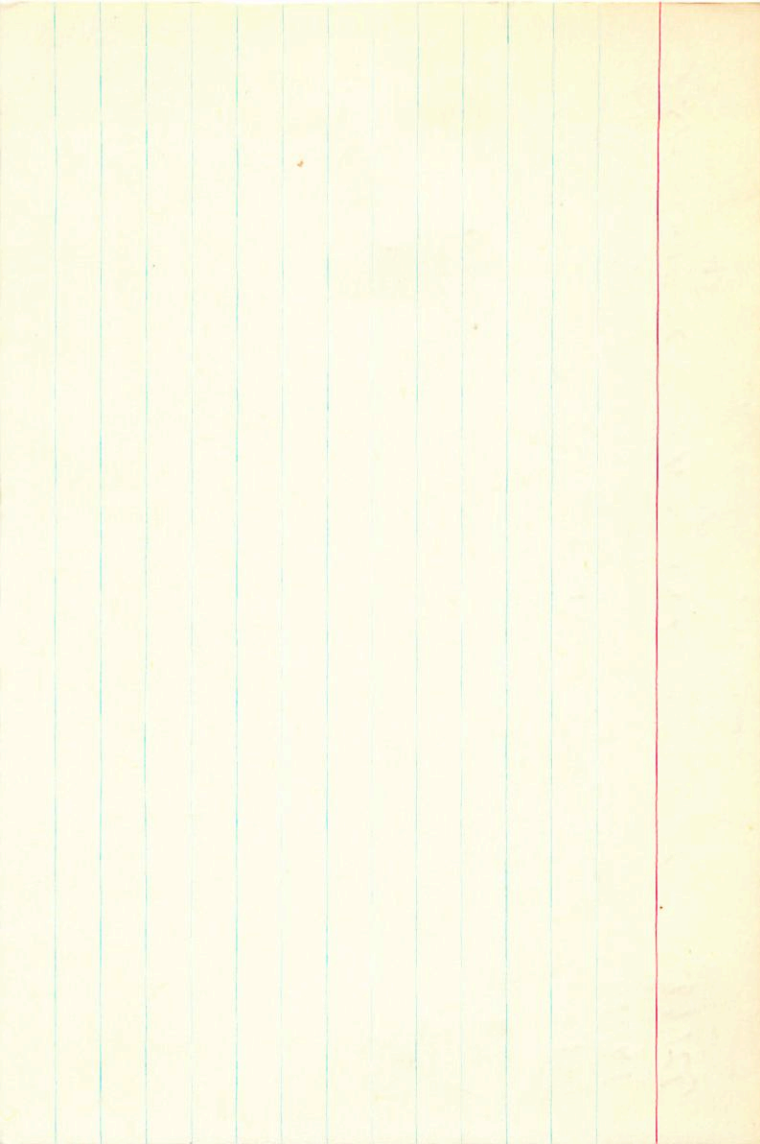
837

50.853

-165  
825

1617.4

48.9



34524  
92749

10 40.0 +0.3 51 6.8 dFS +18.88

14723

6.56 +0.50 +1.62 1.26"

6664

-0058<sup>51</sup> +0.23 M30

4057896

-0058 ± 1.1 +0.20 ± 1.1

D7mca/m

0.15

92825

10 40.7 +23 27 A2 +18 C

416 mi

-116 +0046-

14R4192

-115 +0051✓

028 157 109 < 2871

339 - 241 355 517 -117 + 005 +19 002 + 8 021  
040 0 110 002 189 521 +17.5 -16 +6 014

-2 + 23 + 10

$\boxed{+43 -12 0}$

92906

10 40.9 - 34 44

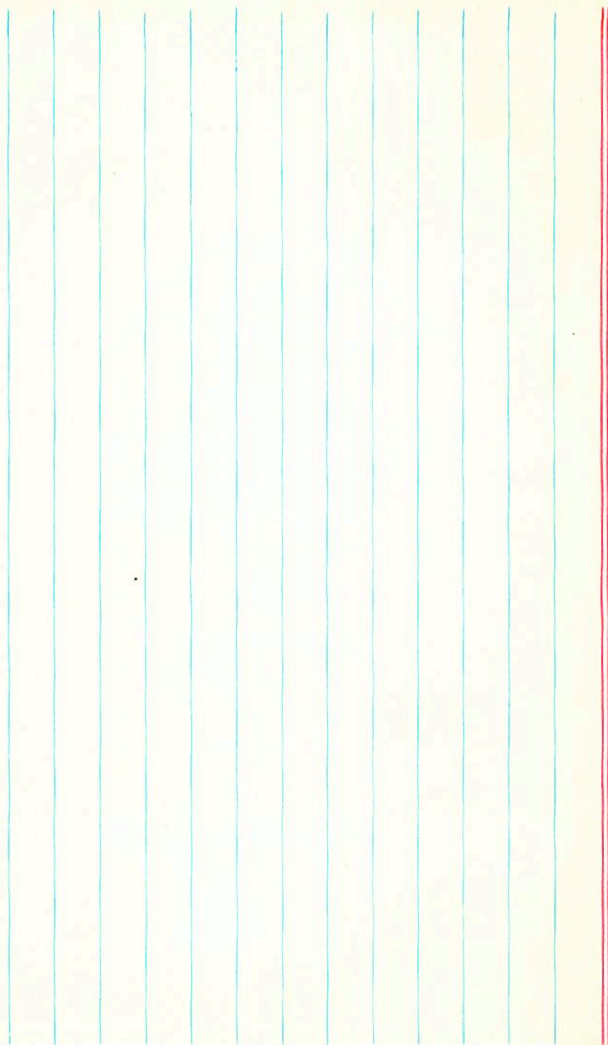
Ko III -1.9 64

F0914

7.50 + 0.98 (2.04)

+007 -066





+4701806

W6675

10 41.0 +46 33 dG(-15 C W(3))

9.12 +0.62 +0.09 G10 R

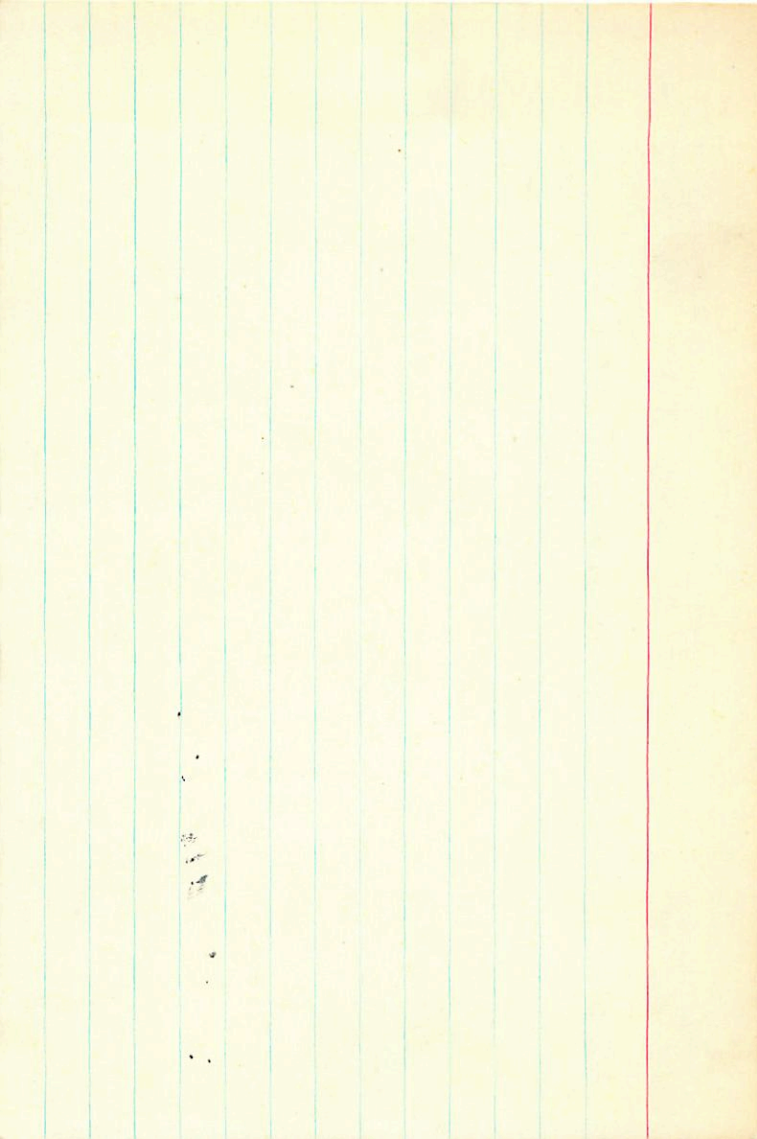
S=.06

+001 -158 R

-15 -50 -1 .015

-20 -74 +5 .010

~~.005~~



93410 10 42.0 -25 32 686100

258227

3341③

6614829 10 44 19.95 -25 47 601

pph

920

-1746 [1304 +151]

9476 - 9542 - 9146

2642 }  
1802 }  
0208 }  
0110 }  
0155 }

344

14.9779  
5.9

~~20.344~~ 6  
0133

330

8889  
11540

20129  
30

159  
+14  
173

-0133 435  
+0477 = 3.7

+894  
+051 6.09 89  
+052 -1.94  
803

1346  
53.20  
473.20  
3-0.5

-0133 -1050  
+654

7.09  
+17  
6.92

51479  
28630

4609

5474  
947

69.17 6977

20109  
114

6.36  
6.36

14.736  
+10  
546

4.73  
-11  
4.94

114  
114

6.36  
+1  
634