

8161

5 526
21 17.8

+49 18

BLU

203245

5.74 -14 -49

(+02)

-1011 +07 -230 ^{lesh}

-057 109 496

2731

-0108
-007.5 +014

Var kul

171 92 507

184
698
6.51

$\mu_V = -0.60$

$V_0 = 5.60$

~~6.3~~

6.3

213

143

-11.5

+14

6.3

-23.0

5

21.300
49.300
-11.450
14.000
6.300
182
-23.000

0.707
0.706
0.030
21.851
3.282

-0.022
-0.020
1.000
-0.549
-23.089

-0.707
0.708
-0.002
71.961
13.130

B

-0001E43 +011E44

+0004

203206

21

18.0

+21

49

6.2

B9

-17.16

29864

13416

57.616 1890.1

+21

48

49.10

1589.3

$\begin{array}{r} 006 \\ \hline 622 \end{array}$

-67

$\begin{array}{r} 48.43 \\ \hline \end{array}$

57.638

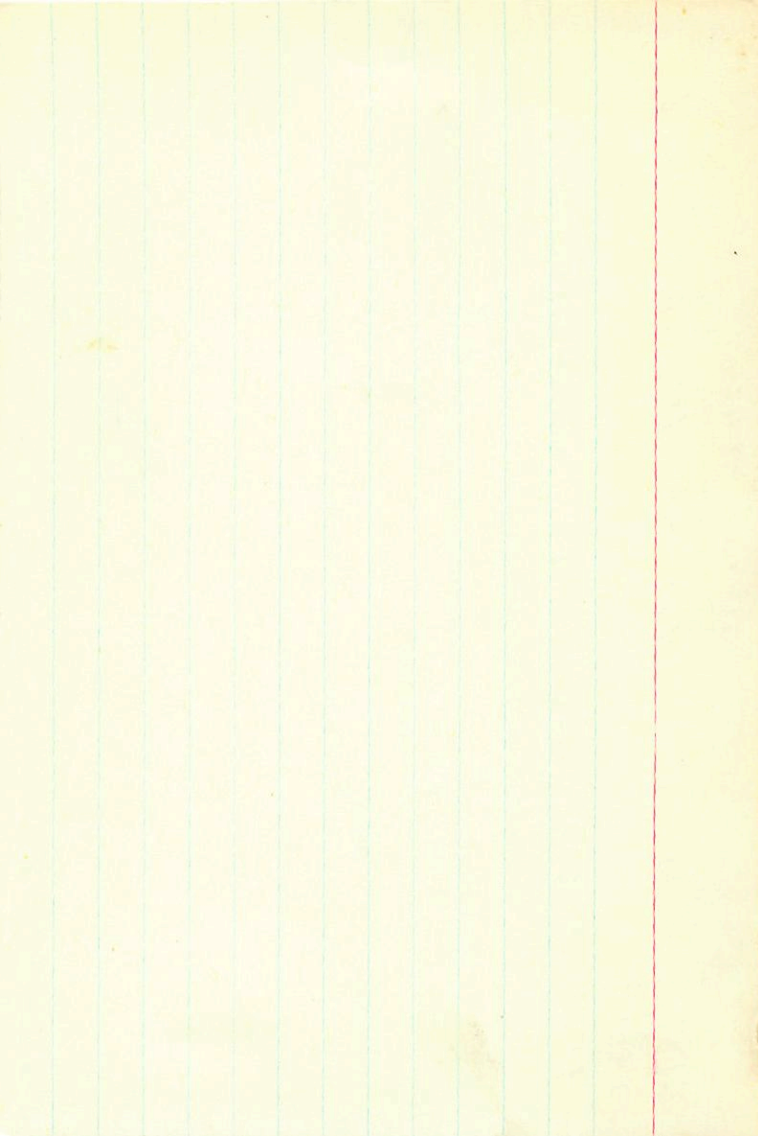
48.24

1937.0

$\begin{array}{r} 1 \\ \hline 639 \end{array}$

2

$\begin{array}{r} 48.45 \\ \hline \end{array}$



POS 14878
203380
29874
13421

-0003 ± 3.0
+063

15 7m=0.17
+0009

21 18.4 +52 46 7.4 dFC +33.64

6.13 (2.7 dG5 +33.0
+33.3a

21.972 1895.8 +52 45 55.90 1884.9

4.04
51.86
+196.0
+26.90

(A) (S)

33.72
48.88
22.08
0.96
101

33.6
2040
5400
54.55
16

7337
36.7
57.5

54971
55.93
-37
55.56
55.14
+328

22.027
033
+045

16 Apr

203222

21 18.5 -04 46

6.0 967 -6.08

29877

13424

27.049 1902.1

-4 46 24.12 1895.7

$$\begin{array}{r} 0.53 \\ \hline 102 \end{array}$$

$$\begin{array}{r} -71 \\ \hline 2483 \end{array}$$

8.424

18.078

22.102

$$\begin{array}{r} 0.22 \\ 0.26 \\ \hline -0.5 \end{array}$$

-0.49

35.0

8.424

18.078

22.102

$$\begin{array}{r} 0.55 \\ 0.50 \\ \hline -0.49 \end{array}$$

-0.49

45.46

19.82

25.64

24.24

24.48

24.48

24.48

45.46

19.82

25.64

24.24

24.48

24.48

24.48

422

37.7

241.4

1939.46

24.41

19

24.60

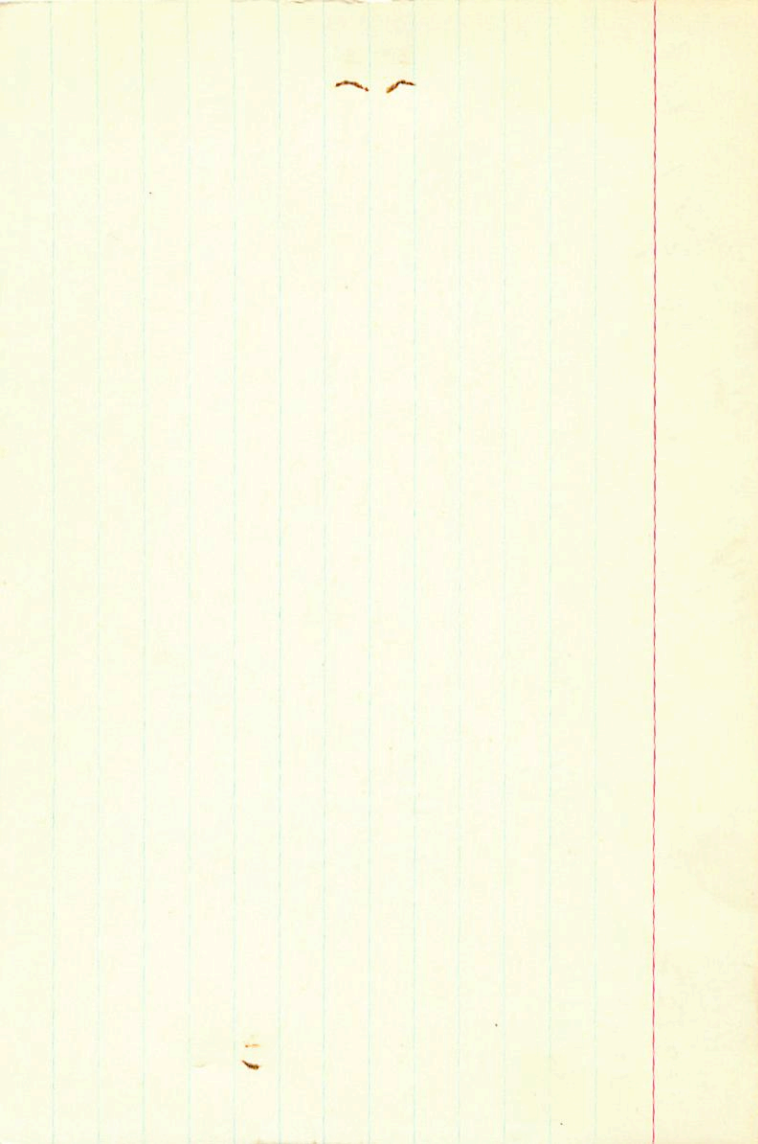
24.54

+ 29

27.062

-6

0.54



-28.56

8766

2) 187 + 32 15

631688

2493

+048 +03466

12 +1

+046 +038

11

16

1

1/2

1

8166.000*

21.000*

18.700*

32.000*

15.000*

0.046*

0.038*

5.000*

100.000

-28.500

0.278

-0.176

32.785

0.044

0.961

-23.005

-0.032

-0.211

2.000

16

13424 21 18.9 +10 07 6.9 F7 +11 C

6-629887

20 km/h

+0026 -030
+026

HW203345

3 Summers

+0028 ±130 -024 ±4.5

55.416 / 901.0

10.42 1898.4

+0027 -025



363 no.

+712 +565 -418

+1080 +2.5 #44 -2

-028 +618 +786

-0785 -2.8 +8.6 +6

-702 +548 -455

-1980 -7.2 -5.0 -12

352 173 326 2.614

-0020 49.0 -207 48.3
-0000 214

$\rho = -10200 - 2216 W_3$
-5015
-0228 -2227

HR8170 29589 21 19.1 140 05

+1.2 a
-019 -226
151
-226

6.4040.53 -0.02

-023 -207 G-1.2

13431
173 326 2.614
13431

4054 1906.9 6.42 1905.6

-003 -209 G-1.2

NA

086
4.140

-013 -208

7814 1564 2217
1924 1877

5750
58.602
4110.2
21.7 21.15
10.67
10.67

1527.5
227
28.6

1846 113 405
41.5 2216 W3

11.24 11.10
11.6 11.11

138
10.69
4.92
23.0

-00200
-2227

1929.7

4022.0
11.6
11.11
10.5
2.73

-0225
-2227

9823 1874 1521 -9894 2243 10.23

10156 0607 1.08
-0225
-019 -226

4646 763 6444 765 -013 -208 +1.2 -134 +0.8 -253

-008 -087 -010 -102 44.5 -440 +0.9 +0.7 -0.6 054

+9.0 -9.1 -13.2

+10.5 -11.1 -16.3 044

[= 13 -1. -12]

[-16.5 -2.0 -15.2]

+9.6 -9.8 24.3

05

5896
1434

1282 - 227
1434 4418 70534

-14.5 -16 -13.4

051

?

16.3
11.5 -12.1 -15.0

04

0016 -227 Landing

-017 -227

110
1048

qU : -818.277
p3 (U) : -0.883
p2 (U) : 0.702
p1 (U) : 0.787

RAD. VEL. : 1.288
MODULUS : 25
DISTANCE : 1.250
PM. DEC. : -329.888
PM. R.A. : -25.888
DEC. : 40.188
R.A. : 21.388

R.A. : 21.300
DEC. : 40.100
PM. R.A. : -25.000
PM. DEC. : -226.000
DISTANCE : 1.950
MODULUS : 25
RAD. VEL. : 1.200

q1 (U) : 0.707
q2 (U) : 0.702
q3 (U) : -0.083
dU : -816.277
20.137

$$\begin{array}{r} +0012 \pm 2.3 \\ +0004 \\ -042 \pm 2.5 \\ -046 \end{array}$$

203364 21 19.3 -09 32 6.9 9113 -51.72

29900

13437 17.750 1897.5 -9 32 27.99 1894.7

$$\begin{array}{r} -063 \\ \hline 687 \end{array}$$

$$\begin{array}{r} 57.236 \\ 20.510 \\ \hline 17.746 \end{array}$$

$$\begin{array}{r} 17.746 \\ -28 \\ \hline 17.718 \end{array}$$

$$\begin{array}{r} 17.718 \\ -24 \\ \hline 17.694 \end{array}$$

45.569

32.190

17.754

$$\begin{array}{r} -40 \\ \hline 17.714 \end{array}$$

$$\begin{array}{r} 57.236 \\ 20.510 \\ \hline 17.746 \end{array}$$

$$\begin{array}{r} 17.746 \\ -28 \\ \hline 17.718 \end{array}$$

$$\begin{array}{r} 17.718 \\ -24 \\ \hline 17.694 \end{array}$$

45.569

32.190

17.754

$$\begin{array}{r} -40 \\ \hline 17.714 \end{array}$$

41.3

$$\begin{array}{r} 2.32 \\ \hline 25.67 \end{array}$$

$$\begin{array}{r} 49.96 \\ 20.98 \\ \hline 28.98 \end{array}$$

$$\begin{array}{r} 28.98 \\ -2.17 \\ \hline 26.81 \end{array}$$

$$\begin{array}{r} 26.81 \\ +2.05 \\ \hline 28.86 \end{array}$$

$$\begin{array}{r} 28.86 \\ +2.05 \\ \hline 30.91 \end{array}$$

$$\begin{array}{r} 30.91 \\ +2.05 \\ \hline 32.96 \end{array}$$

$$\begin{array}{r} 32.96 \\ +2.05 \\ \hline 35.01 \end{array}$$

$$\begin{array}{r} 35.01 \\ +2.05 \\ \hline 37.06 \end{array}$$

44.1

1941.17

204129

GC28821

W13443

Y5162

F790701

AD51996

2.732
8.53

+51 +8 +5 .020

+66 +4 -3 .015

T155 T106 Qc

T168 T126 Gm
Ast

7±1 G(9)

21 20.1 +80 08 dFy +22.70 W13)

7.32 +0.50 -0.04 FGE R

$\delta = .07$

ANDS14910

4.644 1889.8

3.648

0.998

4.642

78

~~228~~

3.742

+10606.36
+10677
+10672.6
+107

+70 8 21.28 1882.2

-7.19

14.09

20.97

20.83

1845.06

674

+144 +162

v₃

var?

203244 21 20.3 -68 27 65E +11.57C

F021061

6.47 + 73 (1.79)

+0241 +159
+0271 ± 9.5 +163 ± 8.0

G024425

18.881 1401.2 43.83 6897.7

-1.322
17.559
+0256 +161
+141
8.52
52.35

→ +154 +161 9.42 1332.11

6.820

12.018

8
18.838

8.559
1.6
10.119

18.85

-16.71
2.14

21.22

4870

48.62

48.68

441 1947.5

-27

4437

81

21.350
-68.450
384.000
161.000
1.300
18
11.500

0.714
-0.294
-0.636
253.238
-2.704

-0.031
0.894
-0.448
661.166
6.884

-0.700
-0.339
-0.629
-726.705
-20.455

18

17 Apr
203525
29925
13445

21

-0021 ± 2.1 -025 ± 2.3
-0018 -026

20.3 -9 32 6.2 g MO + 18.28

15.479 1899.4 -9 32 0.75 18979

$\frac{106}{585}$

$\frac{1.30}{59.45}$

55.096
20488
15584
-28
5514
542

23.90 1927.28
2235

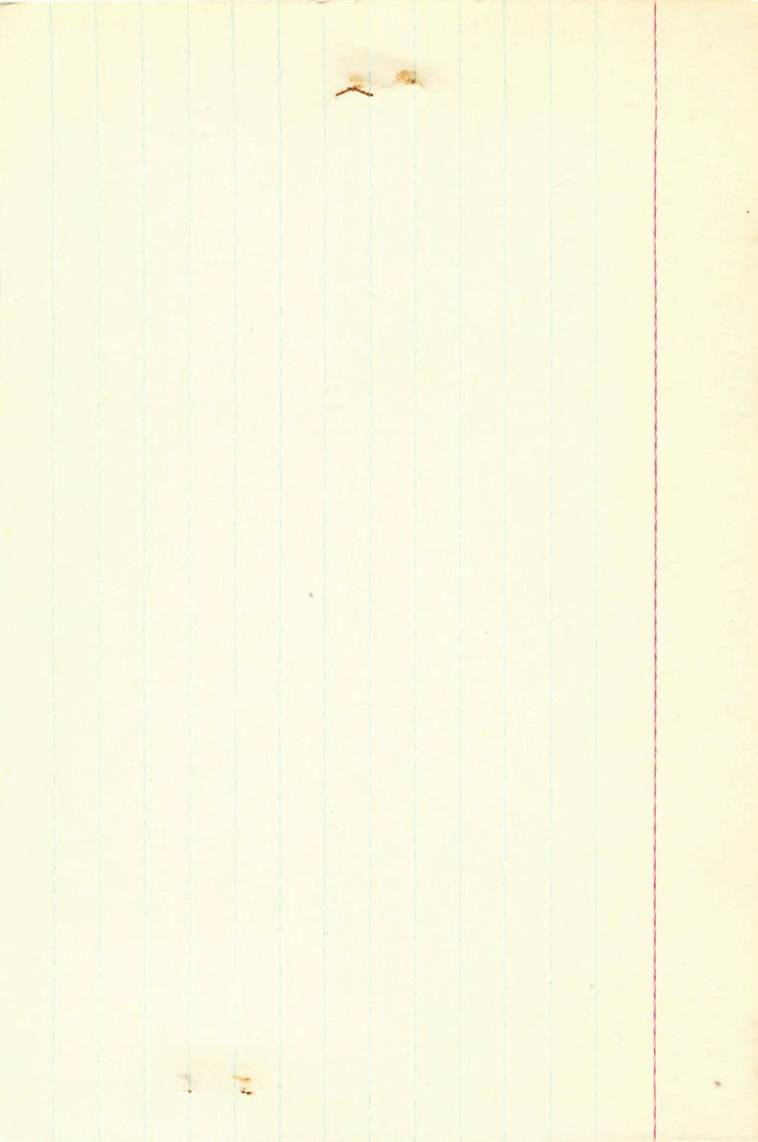
$\frac{1.53}{93}$
0.62
0.30

15.506
-523
504
-062

34.7

0.75 1940.98
+24
0.46
0.38
-0.93

6826
34.1
36.2



8158 21 20.3 +49 11 6.77 9140
-1.78

①
28
-2
②
11

+031+066
-4+2
7027 7068

...

...

19

β Equ

203562

21

20.4

+06

36

5.1

A2

+0034±2.4
+0023

+012±2.2
+007

29931

13447

24.664

+6

35

46.99

1899.8

$$\frac{-173}{491}$$

$$\frac{-61}{46.38}$$

$$\frac{24.541}{14} = 555$$

$$46.57 \quad 1933.8$$

38.2

$$\frac{24.608}{24} = 606$$

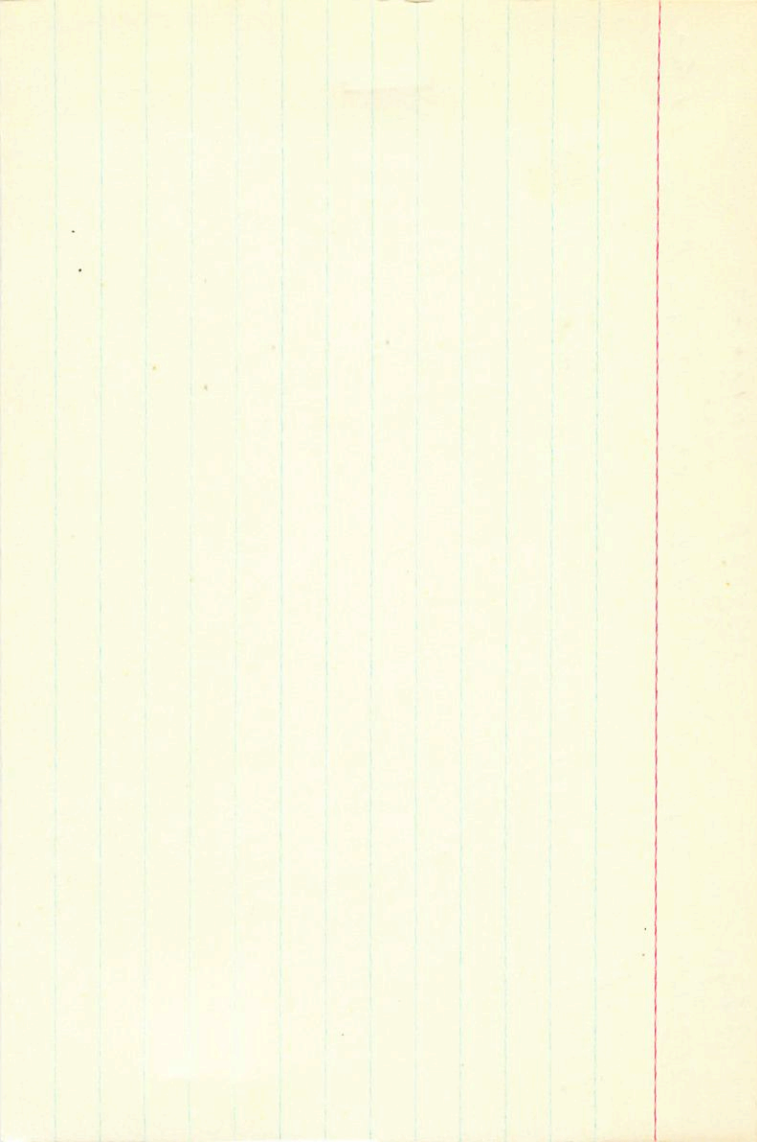
$$46.54 \quad 1940.86$$

$$\frac{466}{37.3}$$

$$\frac{580}{+0.89}$$

$$\frac{38.5}{}$$

$$\frac{64}{+2.6}$$



203631

21 20.8 +16

17

7.6 g/1.5

-67.9 g

+15-04404

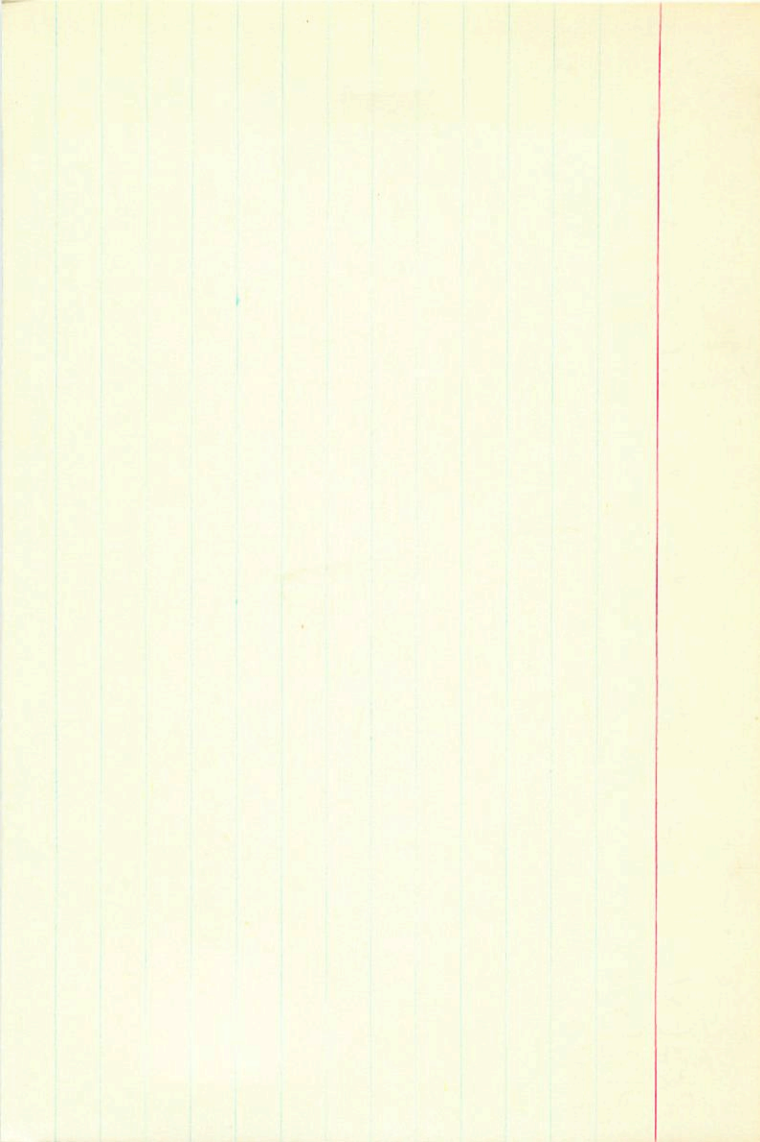
13452

~~596061~~

+0012

+013 Gm 50

34



8177

21 21/2 -46 80 17ms.

+0035 -016 stay

+00367 -0134

+0327 403

061

+037-017

234 ③

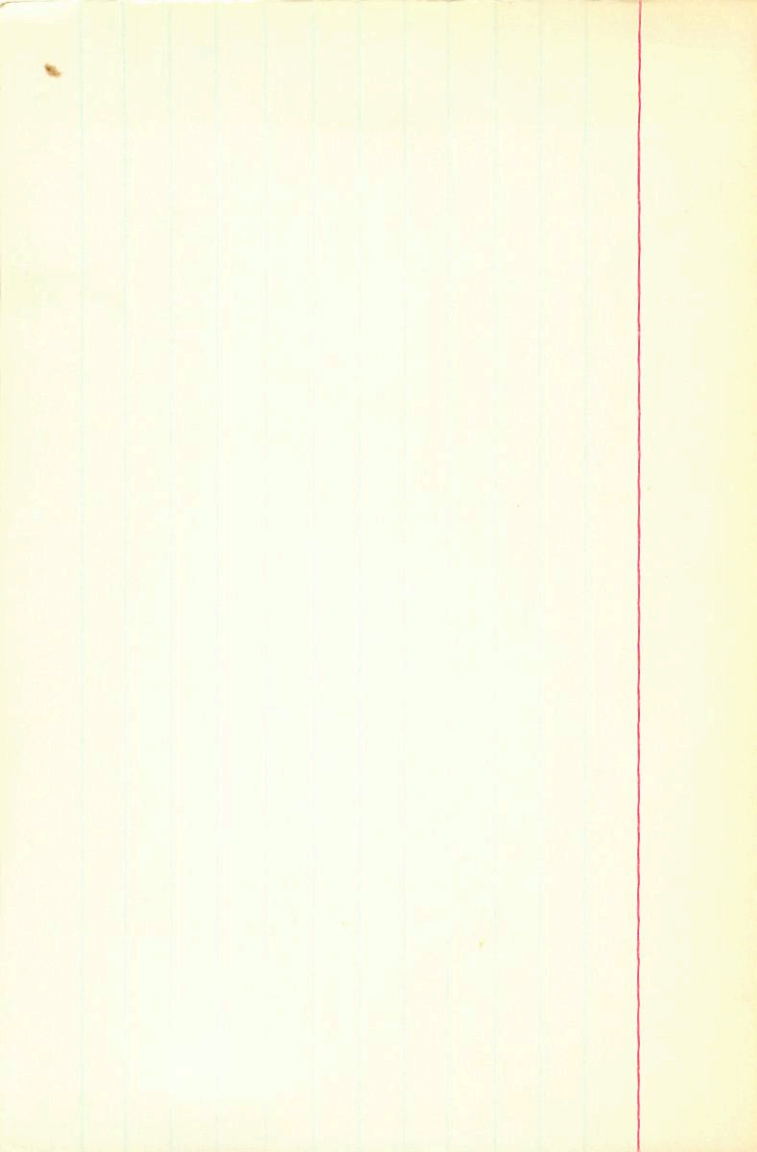
Aug

21 21.7

+18 03

M. l. l. l. l.

+002 +011



$$+002 \sum \pm 7.1 + 001 \pm 6.3$$

$$+ 6018 \quad + 050$$

Sp. B. P =

203858
29968
13463
AOS1440

21 21.9 +25 06 6.2 A1+A1-18.5a

A2V

53.419 1901.9 +25 5 47.39 19003

$$\begin{array}{r} -120 \\ \hline 299 \\ \hline \end{array}$$

$$\begin{array}{r} 0021015 \\ \hline \end{array}$$

53.349
-3
344
+047

$$\begin{array}{r} -1020 + 010 \\ \hline \end{array}$$

Sankhara

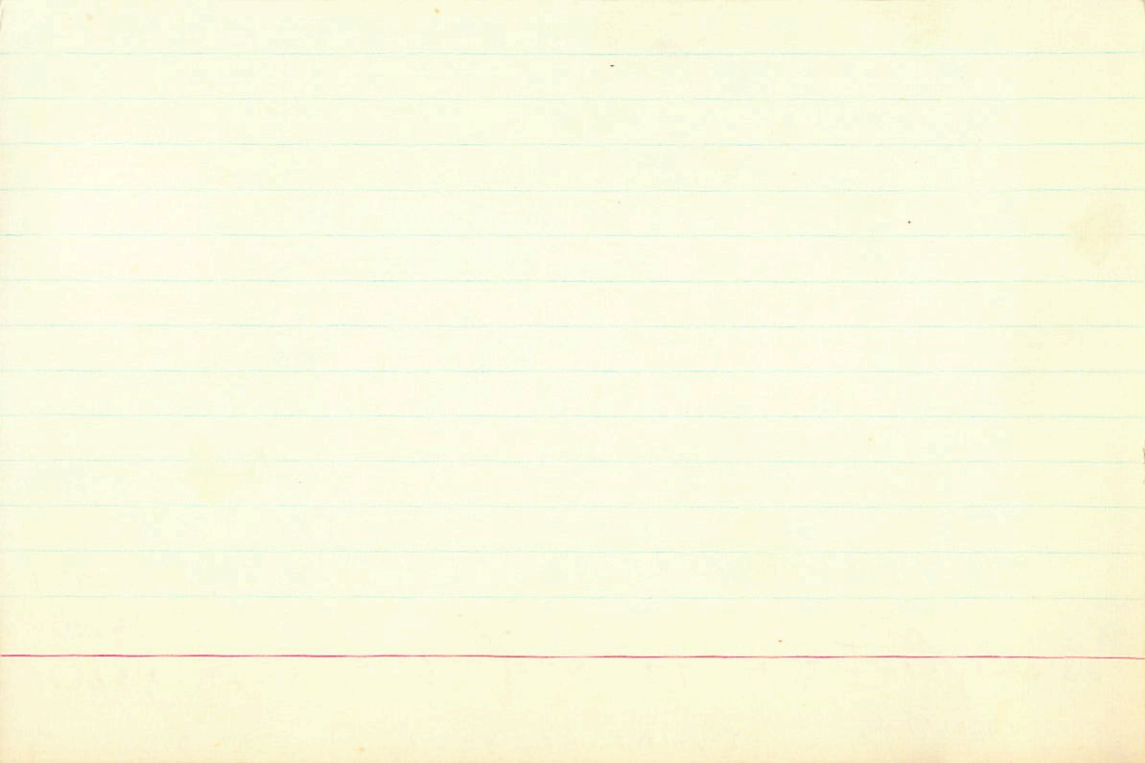
$$\begin{array}{r} +0027 + 008 \\ \hline \end{array}$$

45.21 1928.69

$$\begin{array}{r} +3 \\ \hline 48.18 \\ \hline \end{array}$$

$$\begin{array}{r} +84 \\ \hline \end{array}$$

8076 8638
-5965 5039



103586

21

22.1

+24

69

110

-23.56

488197

6.4

+029 +001 GL

-636 772 - 418 911 +029 +000 1 -23.8 0 -10 005
018 0 022 0 055 104 -21.7 -17 +14 003

21 23.2 -38 03

203449
GC 30007
H 18200

5.82 ~~+1.08~~ ^{B.V} Cape

5.63 +1.18 (2.30)

P3 III Sta.
P2 III Cape

¹⁰⁰
B(5)
-76.5 (1.3 S(N))

-82.7 4 Cape
-76.0 5 Sta
-79.3

GC +175 -007
Cape +165.4 -002.4
+170 -004

~~40404~~
+111 -11 +2 .010
+81 -8 +28 .020
+83 -7 +26 0.18
+89 -8 +22 0.14

+0148 ± 3.9
+0136

-007 ± 4.3
-014

-38^{±5} 02 46.66 1907.1

15.780 1907.5
-6.29
1.151

46.36
30

15.609

-10
5.99

404

40.5

46.88 1940.25

46.74
14

46.94
8

8

46.00
48.0

40.9

15.817

-12
505

15.702
15051

47.0

-13
47.13

1555.75

8799

21 227 -3 42

203924

PKT (E)

4.510-5.800

1110	5555	2905
0510	9836	596

20

R.A. : 51.400
 DEC. : -38.000
 PM. R.A. : 252.000
 PM. DEC. : -3.000
 DISTANCE : 5.000
 MODULUS : 100
 RAD. VEL. : -76.000

p1 (U) : 0.750
 p2 (U) : 0.075
 p3 (U) : -0.082
 q1 : 204.382
 u : 112.832

p1 (V) : -0.048
 p2 (V) : 0.227
 p3 (V) : 0.067
 q1 : -47.202
 u : -2.832

p1 (W) : -0.222
 p2 (W) : 0.021
 p3 (W) : -0.751
 q1 : -282.122
 u :

R.A. : 21.400
DEC. : -38.000
PM. R.A. : 225.000
PM. DEC. : -3.000
DISTANCE : 5.000
MODULUS : 100
RAD. VEL. : -76.000

q1 (U) : 0.720
q2 (U) : 0.075
q3 (U) : -0.689
dU : 604.385
U : 112.839

q1 (V) : -0.040
q2 (V) : 0.997
q3 (V) : 0.067
dV : -47.705
V : -9.837

20
q1 (W) : -0.692
q2 (W) : 0.021
q3 (W) : -0.721
dW : -582.192
W : -3.111

203949

21 23 3

-3802

517 NO

-76 ± 1.3 B

30007

15.780

+01399-0099 N30

+0152±3.9 -005±4.3 GC → N30

225

-3

Handwritten scribbles or faint markings in the center of the page.

+5702322

204231

21 23.4

+57

52

7.1 158

-41.38

13477

~~204231~~

+0166

+092

±6 Gr 25

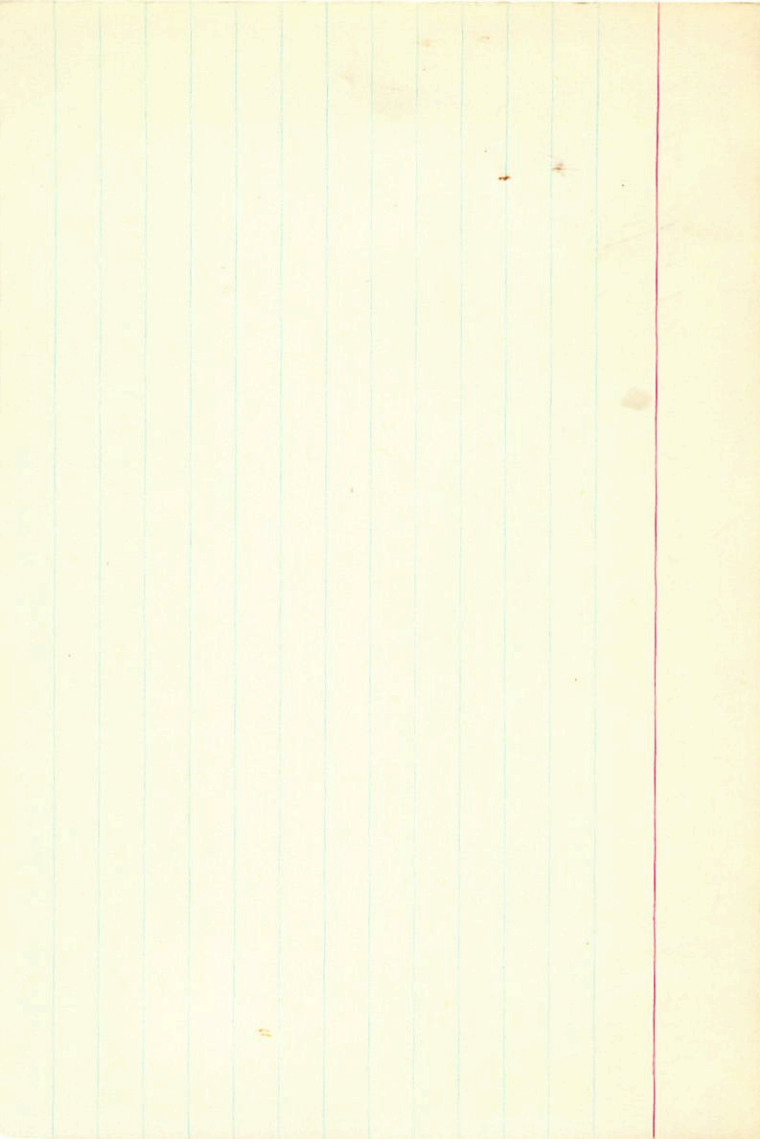
+0M9

+103

Y

1
1
20M5

1
1
4105



+0067
+0068

+0069-153

8205 +00712-1519

23.9 +00 53

+112

1000
+109-155

+0066± 4.7 -153±4.2 -152
+0072 -147

43.6m

89.607 1855.1

18.13 1844.3

-362
54.245

+0070-198

8.52
26.65

6855

54752
11
141
54732

1552
-14
1538

+105

20.10 1434.54

+23
20.33
6.32

54.533
+ 5

1542

54.542

20.10 1434.54

752
3.05
+11.0

54.542
+ 2.97

1526

723 492 -486

+3598 = 3451

+0147 +0.6 -5.3

-7.7

-043 733 679

-0214 -5142

-5356 -23.4 +7.5

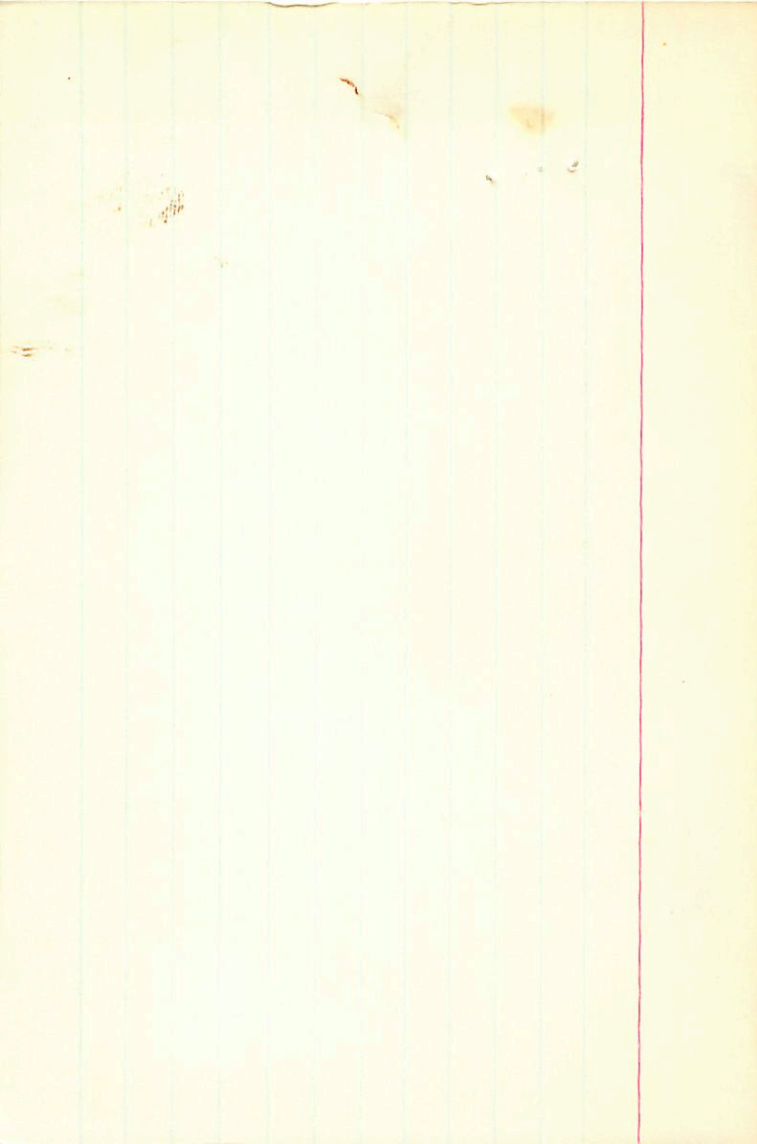
-154

-690 470 -551

-3437 -3297

-6791 -29.6 +6.1

-35.7



392
993

4.05

204121

21 23.9 40 53 F5

HR8205

GL30022

6.12 + 45 - 1 C

68

[M] 212 + 17

.306 .157 .475 @ 50 C

3 B.

2.676 (3) out

[C] 414 $\frac{67}{84}$

+30

43.4 p.d.

-4.7 + 15.9 - 35.7 + 10070 = 105

+100622

-1500

+4060+

+15 - 53 - 679 - 149 + 11 C

06712

-1189

1109

+1068

11.0 C

21

11.000 :
41 :
3.020 :
-125.000 :
100.000 :
0.000 :
21.400 :

DISTANCE :
PM. DEC. :
PM. R.A. :
DEC. :
R.A. :

R.A. :	21.400
DEC. :	0.900
PM. R.A. :	109.000
PM. DEC. :	-155.000
DISTANCE :	3.050
US :	41
	11.000

C25-29

21 24.2 +5 14

-82.2 Sum.

GL30024

HD204155

+404674

8.50 +58 -08

+19

544
3.00

+0106 -238
+158 -238

+171 -24
-11 +11
+160 -242

+0104 ± 8.3

-242 ± 7.3
-238

24 12.444 1904.7 +0109

+5 13 39.21 1902.0

471
11.973

11.42
50.83

12.302

28.2

42.35 1934.56

13
315 SW

USE
32.9

280
+307
12025
-246

23
42.65 492
44.15 -43.46
-24
41.24 737

1929.2

30.9

+329 ③

35 Corp

21 24.4 -21 25 915 +23 A

H88207

5.8: +15:

-025-02566

W13487

5.78 1.43 2.50 R5 III

+39056

GC30027

+23 Kd-v

-0118 -026 ZC →

-025

-625 775 -365 931 -025 -025 +23. ⁰¹⁰ ~~002~~ -8.4 -123

-018 006 -022 005 -123 -076 +2.4 +16.6 -13.4 01

+4.3 -21.0 -20.7
-27.8 -4.1 -10.0

+8.4 -18.5 -16.6 015

-23.4 -0.1 -12.4

012

+6.4 -19.7 -18.6

-25.4 -2.1 -11.1

962

204277 21 24.8 +15 54 +13.86

30035

6.71 +0.51 -0.04 (1) 53-

45.072 1898.5 -0051 46.1 -072 47.3

$\frac{263}{.335}$

-0060

-094

28.68

1895.2

-0057

-095

3.95

32.63

-094

45.117

213

28.50

1933.7

$\frac{+10}{122}$

$\frac{+10}{29.00}$

45.003

337

26.96

1958.24

$\frac{-5}{4498}$

$\frac{-31}{26.72}$

665

723 601 -3420

-043 522 846

-690 596 410

2776 -2621

+0105 -2320

+2649 2554

-8397

-2155

4650

-4.7

+11.7

-5.7

H1

A0 Pay

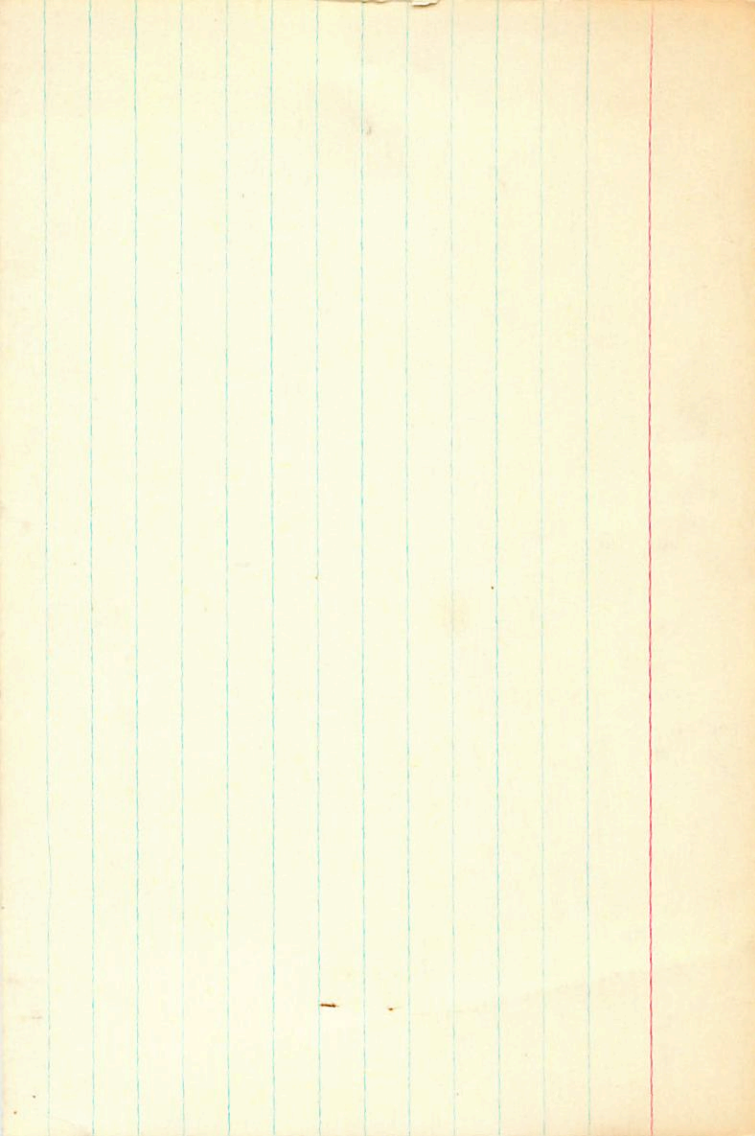
21 24.8

+18 23

and 12.60

+115 d (w/)

no per



16112

Ap -12.5a

21 25.1 +48 37

1488216

918911
105896
76544

5.25 +0.06 +0.17

57.95 26.02
8.3740155 = 776

9379 0634
3470 0013
1558 8391
1087 4806
1525 5251
1377 6377

014

+057 +0226c
+058 +0246c2
+055 +023
-3 +2
+55 +25 → 130

+2703 +21.0 = 0.4
-0112 -0.9 -12.5
-0942 -7.3 +0.3

77.6M.
= +20.6
-13.4
-7.0

1885 +0818
0
+0857
034 +0112
999 -1799

723 V90
-043 -723
-690
1521
1021
1121
1121

15.6
1.0
-1.0

-625 + 780 750 661 + 057 + 022 - 12.5 016 - 9 069
 + 036 + 010 + 044 + 012 + 114 + 056 - 8.3 06 75 015

22

$$\begin{array}{|c|c|c|} \hline -2 & -22 & -4 \\ \hline -21 & +6 & +9 \\ \hline \end{array}$$

$$-2 + 23 - 4$$

$$\begin{array}{|c|c|c|} \hline -22 & +6 & +9 \\ \hline \end{array}$$

$$+2 + 23 - 4$$

$$\begin{array}{|c|c|c|} \hline +18 & -12 & -8 \\ \hline \end{array}$$

$$+3 + 25 - 3$$

$$+21 - 11 - 8$$

015

014

014

013

015

205011

1423

273

25 + 12.0

P 2850 d

Be

0.000	:	M
-0.022	:	MP
0.721	:	(M) 3b
-0.692	:	(M) 2b
0.000	:	(M) 1b
0.000	:	U
-0.007	:	(U) 3b
-0.040	:	(U) 2b
0.000	:	(U) 1b
0.000	:	U
0.034	:	DU
0.693	:	(U) 3b
0.720	:	(U) 2b
0.000	:	(U) 1b
10	:	AD. VEL.
0.000	:	MODULUS
0.000	:	DISTANCE
0.000	:	PM. DEC.
48.600	:	R.A.
21.400	:	DEC.
0	:	R.A.

2

CUST:

42-45
1.40
21 27.7

109 872
+23.25
-2020

-484 25.55
-4515 257
-4874 25705
116

624

8225

20724

30109

4.57 + 162 + 193 +
4.52 + 162 + 192 + 26

3.70 + 0.82 J (3)
3.57 + 0.86 F (2)
3.65 74.80

110000
110000
110000

258
86

+60172
-31
+60191
+30
+6194

-18.92
181
106

Yorinjin

~~10065~~
-3.5

221
2256
34
5.1

363755
28
66
1222
328
5.8

1022-4000

1007+604

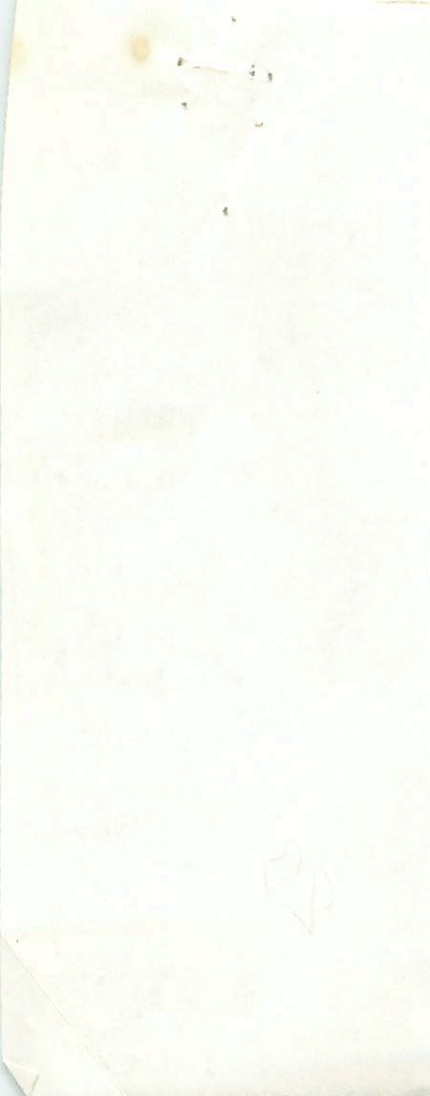
7550 9994
-6016 0350

5.7

only 127 1.57 + 1.4 + 1032



23



8225.800*

21.000*

27.700*

23.000*

25.000*

0.022*

0.003*

5.450*

123.027

-18.900

0.085

-0.253

15.246

0.001

0.907

-17.054

-0.062

-0.337

-1.260

25



0023, 000*

000*

R.A. : 21.450
DEC. : 23.400
PM. R.A. : 26.400
PM. DEC. : -4.000
DISTANCE : 6.570
MODULUS : 206
RAD. VEL. : -18.100

q1 (U) : 0.727
q2 (U) : 0.637
q3 (U) : -0.256
dU : 71.390
U : 19.337

q1 (V) : -0.049
q2 (V) : 0.419
q3 (V) : 0.907
dV : -13.526
V : -19.199

q1 (W) : -0.685
q2 (W) : 0.647
q3 (W) : -0.336
dW : -90.936
W : -12.666

α 35

β

-0064 ± 8.0 -136 ± 6.3
-0082 -125
+12 03 7.7 DFE -23c

54

204712 21 27.7

-2416

30110

13516 43.900 1903.9 +12 3 8.99 1798.9

295
44.195
6.95
15.84

11.22 1934.6
15

33.3

43.909
13
922

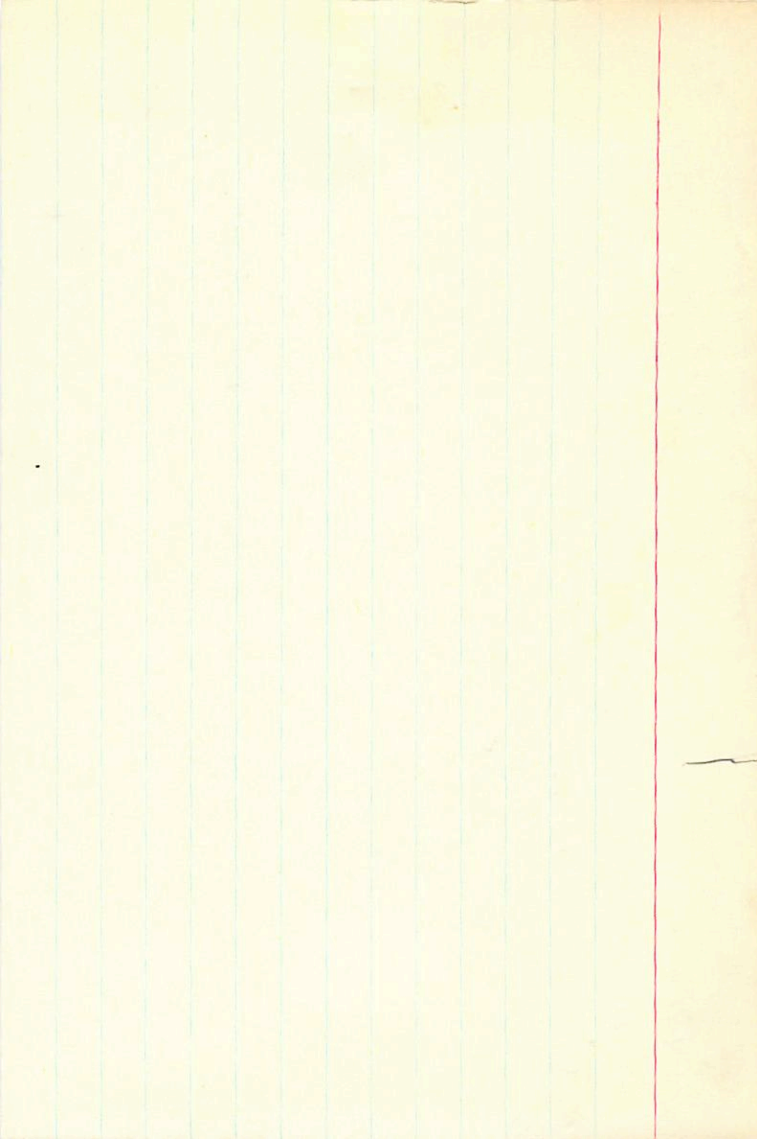
10.68 1939.8

43.904
1
922
-2
93

10.72
209
11.04

44
37.2
35.3

4.80



204692 21 27.9 -14 31 6.8 g₁₂ +3.28

30114

13579

-0006³⁰ -027³⁰ V30

-0004 ± 2.8 -028 ± 2.7 60 → V30

