

~~10430~~

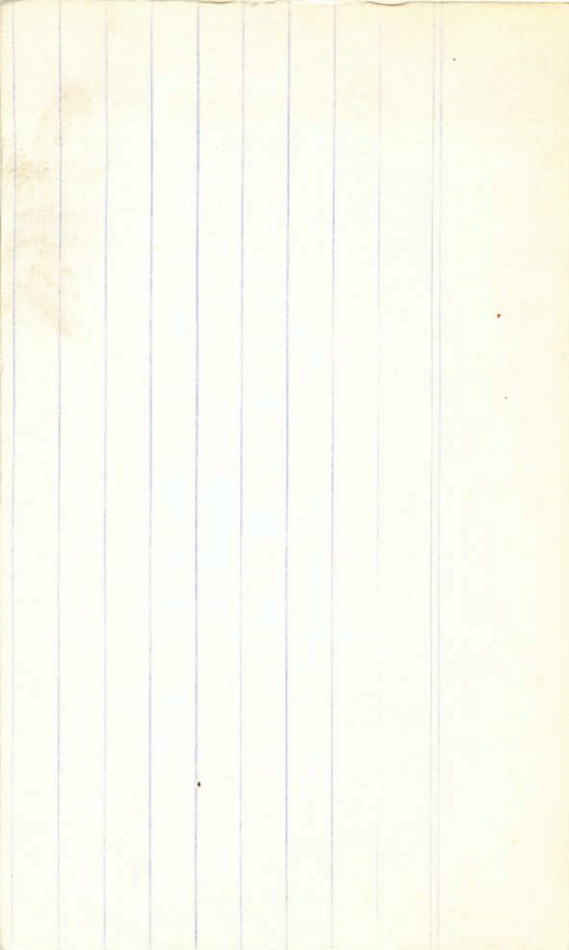
108682 ✓ 12

28 01 -30 42 ✓

9.06 + 0.78 + 0.26 ✓
9.27 + 29

9.06 245 923 -550 8 Aug 77
9.06 246 995 -543 10 Aug 77
9.05 284 999 -555 19 Aug 77
9.06 -250 990 -550

8.70 + 0.37 25 July 79
8.75 + 0.27 26 "
8.70 + 0.26 29 Aug 79
8.65 + 0.26 30 Aug 79
8.76 + 0.27 Aug 79
8.85 + 0.26 22 July 77
8.74 - 0.26 5 6



8.5 2 "

6-449+08-25

4804 12 37 36 -25 B 6-49 B9

6.50 6.07 786 -150 2.184 15 May 76

~~6.07~~ 793 -162 2.191 17 Apr 76

6.51 5.54 792 ~~112~~ 2.181 12 May 76

6.53 ~~101~~ 797 ~~981~~ 2.186 ③

4754 12 34 41 39 43 579 00

5.83-672 986 + 50 2.385 127mg.76

06 259

Alw 05 ✓

12.02 + 42 - 23

X X X

was/140

12 33 10

+ 15 25

654-24

23

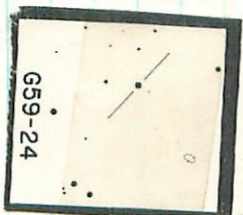
199

$$\begin{array}{r}
 11.97 - 360 + 735 - 540 \quad 21 \text{ Apr } 76 \\
 12.00 - 353 \quad 773 - 552 \quad \text{arrive} \quad 22 \text{ Apr } 76 \\
 \hline
 11.95 - 370 \quad 776 - 557 \quad 22 \\
 \hline
 11.97 - 375 \quad 765 - 563
 \end{array}$$

12.03 + 0.175 18 Apr 76

12.01 + 0.16 14 Apr 76

12.02 ~~12.02~~ + 0.17 (2)



G59-24

4814

12 36 28 -66

22 6.215-05

6.22 -694

+847

-021

2.304

17 Aug 78

6.22 -709

+833

-003

2.310

18 Aug 78

6.23 -702

+840

-072

2.307

-96

818

6.23 -013

1014

~~917~~

2.602

[1114 + 1014]

[1055]

AV = 8.35

✓ Mykola
4927

110385 Phe 115 ✓

6.03 + 40 00 A2

7605

12 40 32 -19 36

45

62

6.03 -454 905 -234 18 mar 17

6.06 -453 893 217 18 mar 17

5.59 -465 886 -211 15 mar 17

6.03 -458 895 -224 (2)

1 + R

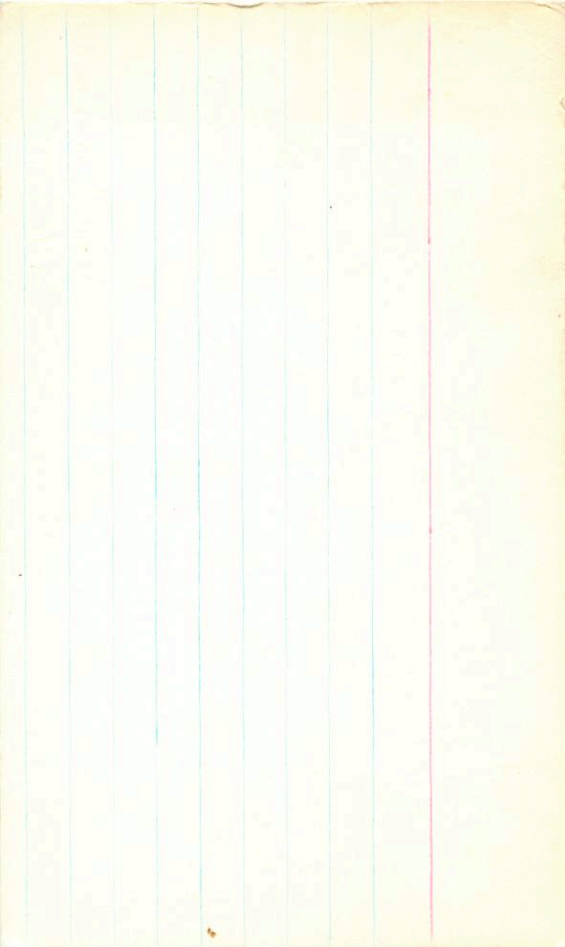
164

243 168 696 1479 (3)

6.02 + 0.12 21 mar 17

6.05 + 0.12 13 mar 17

6.04 + 0.12



4823 12 40 29 -59 32 50 87

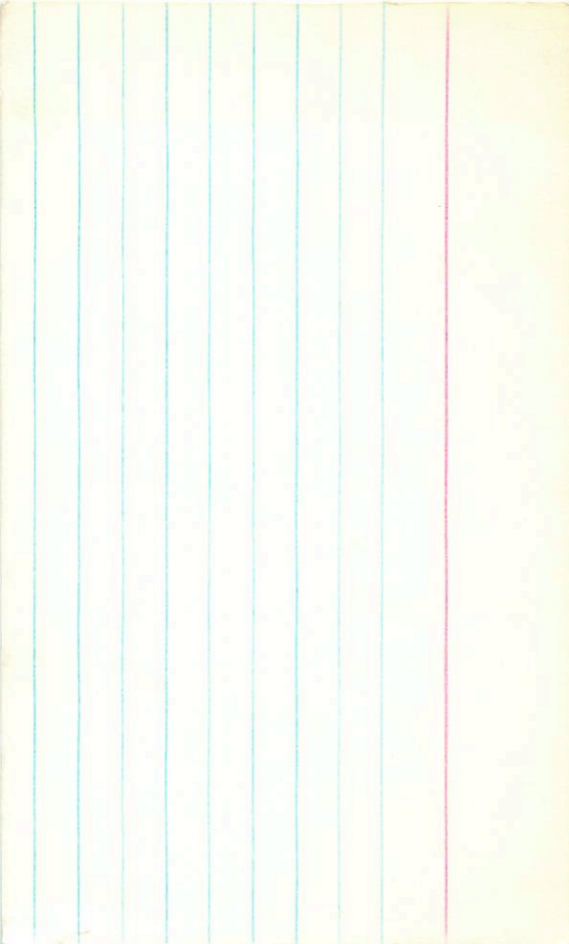
$$\begin{array}{r} 4.96 -6.54 +777 -168 \quad 2.130 \quad 17 \text{ Aug } 75 \\ \hline 4.98 -6.67 +778 -165 \quad 2.123 \quad 18 \text{ Aug } 75 \\ \hline 4.97 -6.59 +779 -166 \quad 2.126 \end{array}$$

497 +32 611 = 697 2.602

(776, 476)

[4776]

$a_1 = -3.6$



X

4838 12 42 37 -36 12 6.38-06

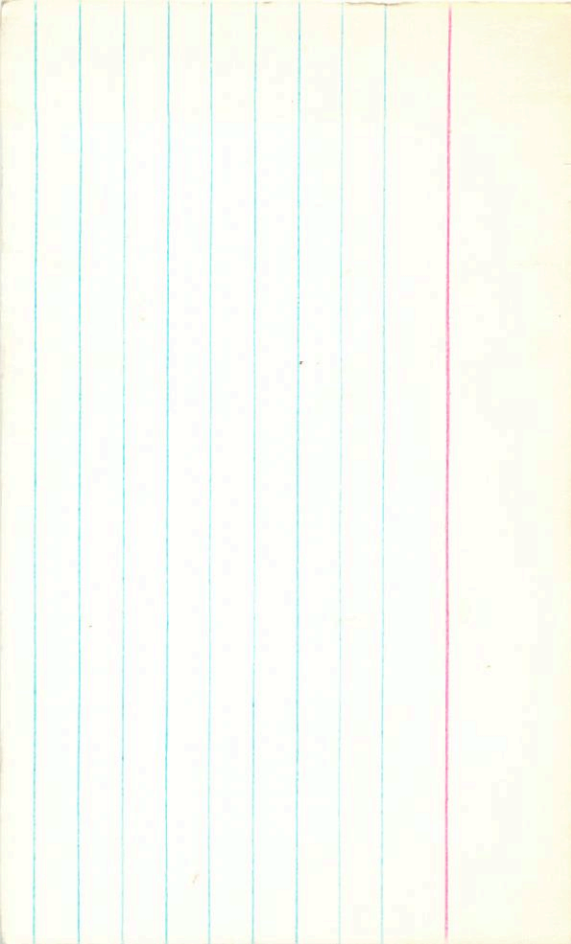
~~6.38~~ -701 +826 +514 2.277 17 Aug 71
 6.39 -728 +754 +304 2.264 19 " "
6.38 -715 +741 +343 2.272
 -43

6.38 -018 +116 +890 2.776

[+113] [~~+943~~]

[~~+119~~]

$M_x = -0.45$



X

4879 12 50 32 -84 32 5.95-10

6.00 -716 +831 -235 2.252 17 Aug 75

6.01 -737 +844 -230 2.259 18 " "

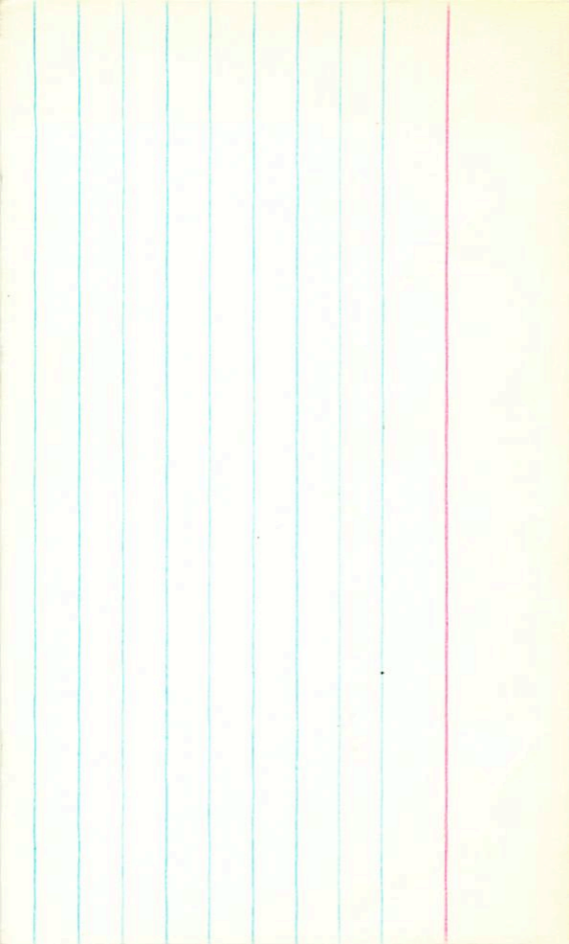
6.00 -726 +837 -232 2.256
✓ ✓ 2319

6.00 -030 +117 +554 2.757

[+106] [+600]

[+812]

~~M_y = -0.2~~



x

4857

12

46

35

-24 42

643-07

6.43 -687 +814 -224 2.232 17 Aug 75

6.43 -711 +819 -210 2.219 19 Aug 75

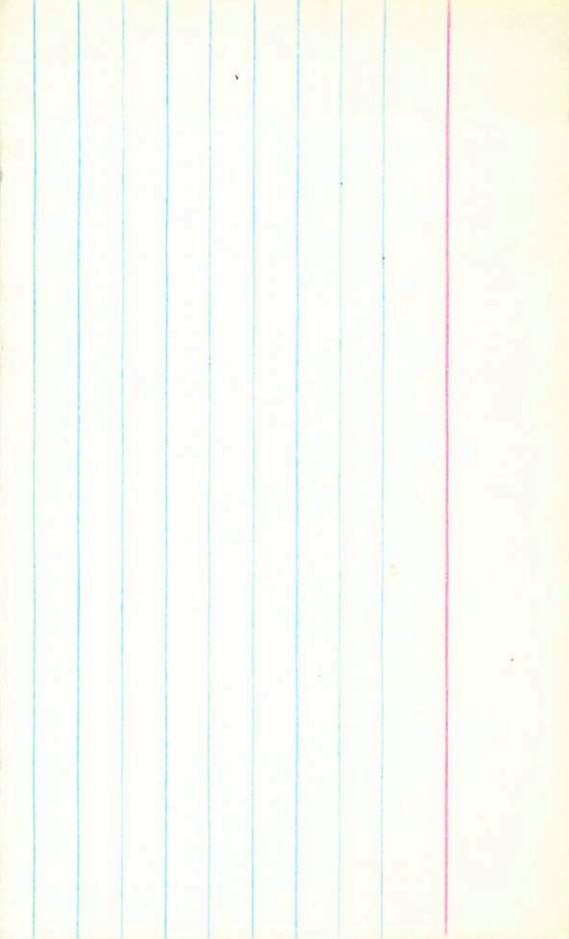
6.43 -700 +816 -217 2.225

6.43 -0.003 +0.91 +6.09 2.720

[+0.91] [6.09]

[2.72]

~~17-0-96~~



X

4881

12 50 37 -26 36 40 +24

6.15 -536 7870 -043 2.289 17 Aug 75

6.16 -534 7851 -037 2.275 18 Aug 75

6.15 -535 7960 -040 2.292
-104

6.15 -1169 +138 +793 2.798

986

[+169] [259]

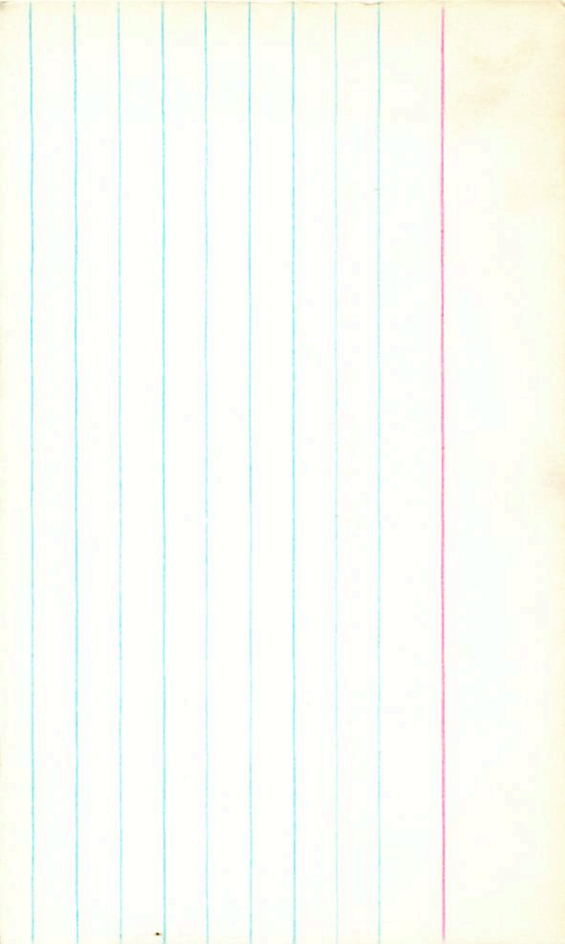
[1097]

$M_V = 0.20$

-0.15

196795

222
1677



X

4911 12 54 36 -15 10 6-10 140

6.20 -679 +~~837~~ +257 2.334 13 Aug 75 ✓

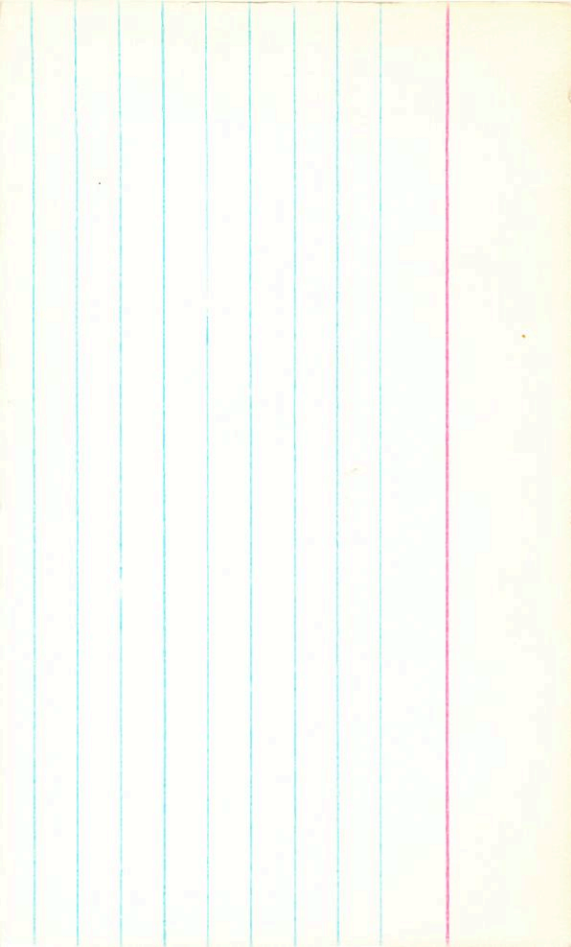
6.21 -709 +~~444~~ +227 2.334 14 Aug 75 ✓

6.20 -694 +~~462~~ +~~242~~ 2.334

6.20 ~~+403~~ +136 1.103 2.950

+136 1.103
1.375

at v ~ 10.4



✓

✓

~~9.07 + 0.445~~ (2)

34

112543 12 '59 03 -2

~~2~~

^{12.4.77}

614-19

9.12 + 0.505

9.07 + 0.445

9.77-38 1366-555 10 April 77

9.27 + 0.50 ^{10th 77}

9.79-30 1327-563 27 " "

~~9.15 + 0.445~~

9.15 + 0.50 (3)

G14-19



✓ ✓ ✓
114037

13

06

12

+26

7.56 + 1.095 + 0.975⁽²⁾

7.30 + 0.405⁽²⁾
39

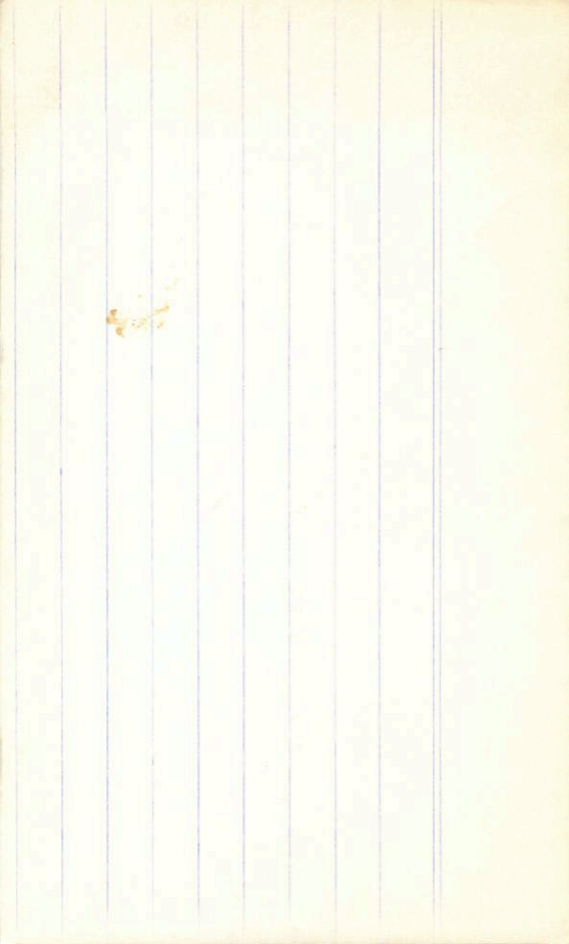
250
7.68 - 67 1229 - 449 11 Aug 77

7.62 - 52 1228 - 467 27 " "

7.55 - 49 (1177) - 458 28 " "

7.60 - 82 1230 - 452 17 Aug 77

7.63 - 62 1226 - 458⁽³⁾
1230



4933 13 02 07 -49 23 5.0 A0

$$\begin{array}{r} 486 \\ 494 \\ \hline 495 \end{array}$$

$$\begin{array}{r} -698 \\ -702 \\ \hline -695 \end{array}$$

$$\begin{array}{r} +891 \\ +226 \\ \hline +1117 \end{array}$$

$$\begin{array}{r} +226 \\ +227 \\ \hline +453 \end{array}$$

$$\begin{array}{r} +226 \\ +226 \\ \hline +452 \end{array}$$

$$\begin{array}{r} +226 \\ +226 \\ \hline +452 \end{array}$$

2.374
2.373
 2.373

$$\begin{array}{r} 485 \\ 485 \\ \hline 485 \end{array}$$

$$\begin{array}{r} +1002 \\ +175 \\ \hline +1177 \end{array}$$

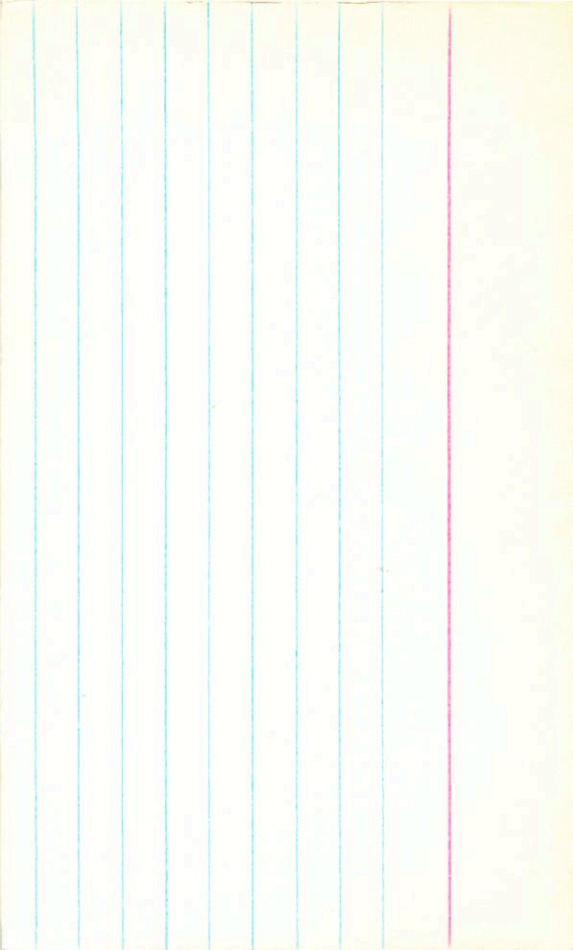
$$\begin{array}{r} +1086 \\ +2897 \\ \hline +1975 \end{array}$$

173 1073

$$\begin{array}{r} 1073 \\ 346 \\ \hline 1419 \end{array}$$

$$\begin{array}{r} [1175] \\ [1975] \\ \hline [3150] \end{array}$$

1.436
 +0.75



4965 13 09 29 -52 26 4.06-10

6.06-742-902-373 2.261 17 Apr 76
6.09-795 911 -331 2.258 20 " "
6.08-764 906 -352 2.260

170

$\Delta m = 0.6''$

4545

13 11 54 -55 34 60 40

5.92-710 +500 +056 25 Aug 75
5.91-708 +872 +136 2.350 17 Aug 75

5.92-693 +880 +084 2.358 18 " "
5.92-693 +884 +105 2.354

5.92-655 +161 +956 2.874

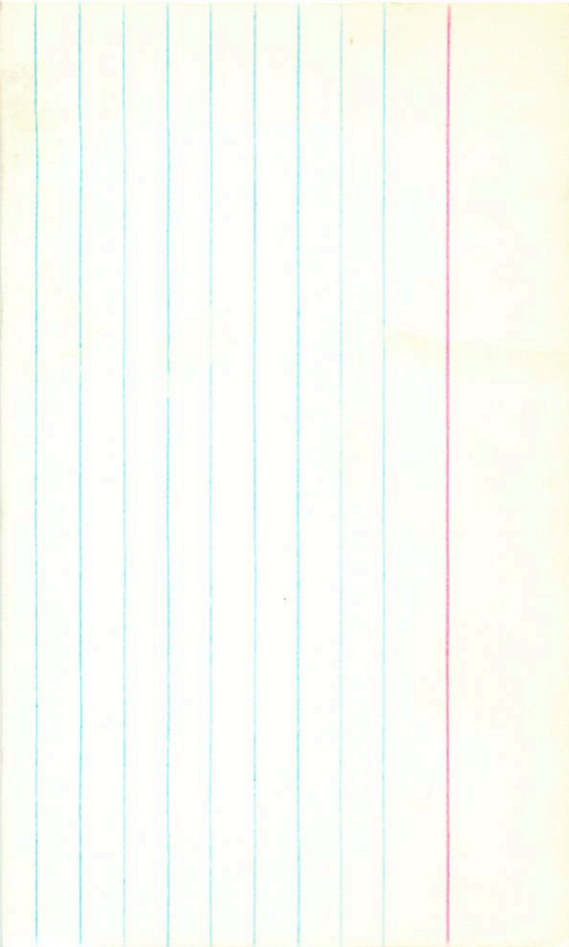
15.9 957

157 949
314
1263

40.85

318
1275 1275

1275



TR

TR

114094 13-06-42 +02-56 9.5-ACC

9.67 +0.68 +0.16 6A 9.50 ~~10.225 5 July 77~~

9.73 +0.725 +0.17 14 May 70 9.33 ~~+0.25 27 May 70~~

9.70 +0.69 40.305 28 May 70 9.30 ~~+0.25 26 May 70~~

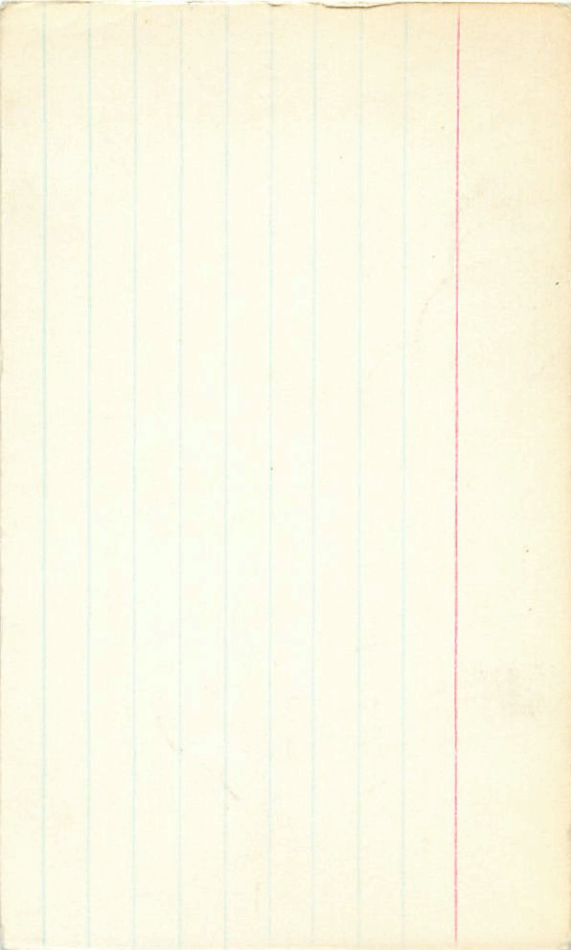
9.67 +0.695 +0.17 30 May 70 ~~9.54 +0.25 12 July 77~~

9.70 +0.695 +0.17 (3)

9.69 ~~40.695~~ +0.70 9.55 +0.22 22 July 77
 9.52 +0.225 18 July 77
 9.50 +0.225 5 July 77
 9.54 +0.25 12 July 77

9.79 +0.32 21 June 77
 +0.225

→ 9.53 +0.23 (4)



✓

114094

6-6066

$n=32$

$\Sigma F = +25$

9.64 + 70 + 17

13 06 57 + 03 54 ✓

9.64 - 283
9.70 - 290
9.64 - 279
9.64 - 294

(+1006)

926
920

926
920

926
920

(-608)

125 - 525

105 - 505

115 - 515

23 June 76

"
20 June 76

(3)

X

1822
8763
2490

5051 13 25 18 - 74 34 6.62 - 06

② 6.62 - 728 + 871 - 017 2.270 17 Aug 75
 ① 6.62 - 777 + 911 - 026 2.274 19 Aug 75
 6.62 - 760 + 854 - 028 2.275

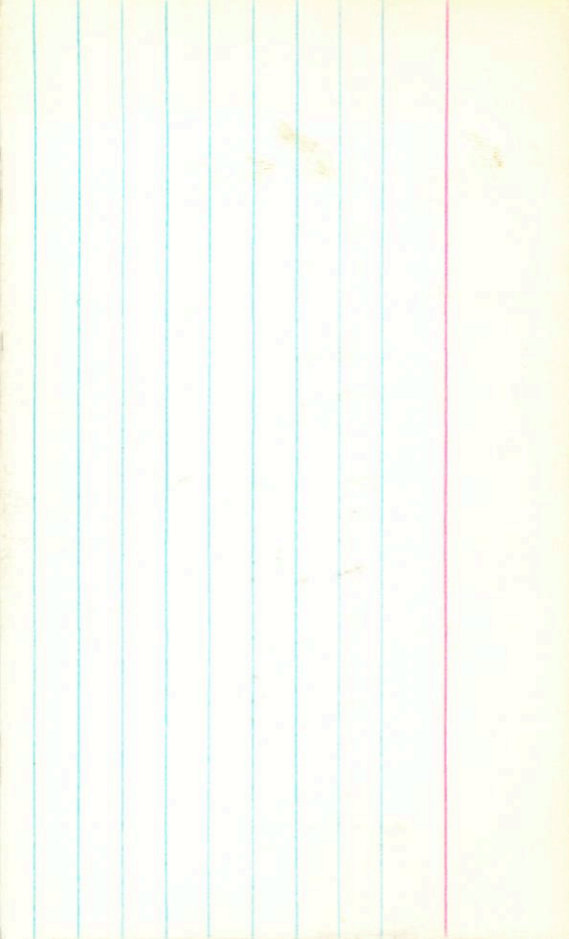
✓ -114 ✓

6.62 - 065 + 170 + 820 2.750

[158] [8517] [933]

[6117] [1149]

R.O. = 14
N = -0.4



x

5014

13 17 04 -51 10 6.18 +01

6.18 -673 +833 +245 2.333 17 Aug 75

6.18 -680 +934 +242 2.331 18

6.18 -676 +834 ~~+244~~ 2.332
163

6.18 +022 +109 / 1.105 2.848

~~[+113] [1.101]~~~~[1.327]~~

+025

