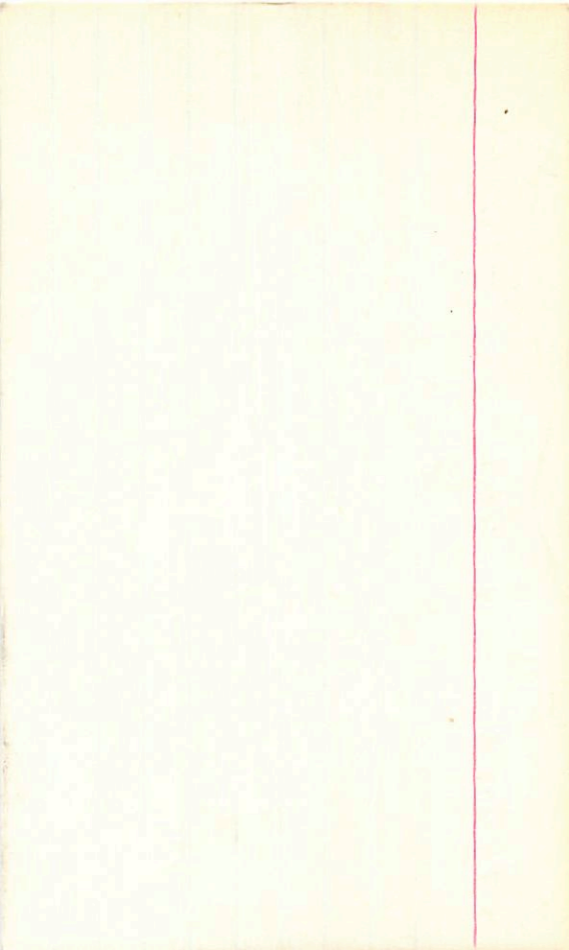


0.51340

h772103 4 48.1 -39 59 14.1 k

$$\begin{array}{r} \text{WWT} \left\{ \begin{array}{l} 11.89 \\ \hline 11.88 \\ \hline 11.95 \end{array} \right. \begin{array}{l} +0.89 \\ +0.83 \\ +0.86 \end{array} \begin{array}{l} +0.39 \\ +0.45 \\ +0.42 \end{array} \begin{array}{l} 29 \text{ Nov } 67 \\ 3 \text{ Dec } 67 \end{array} \end{array}$$

June 13.45 +1.35 - 26 Sept 68



HR 1563/4

458 1545

4 ~~50.1~~ -53 32 } 5.4 FO  
12" } 6.4 FO

5.76 +0.245 -0.045 18 Dec 66  
5.74 +0.305 +0.005 17 " "  
5.70 +0.245 0.00 23 Nov 69  
5.73 +0.30 0.00

6.55 +0.43 -0.07 18 Dec 64  
6.54 +0.45 -0.03 17 " "  
6.49 +0.43 -0.02 23 Nov 69  
6.52 +0.43 -0.04

VW 1491

L-31-99 4 46.5 -78 57 13.5-0.4 0.06

5

13.47 -0.105 -1.02 29.56767

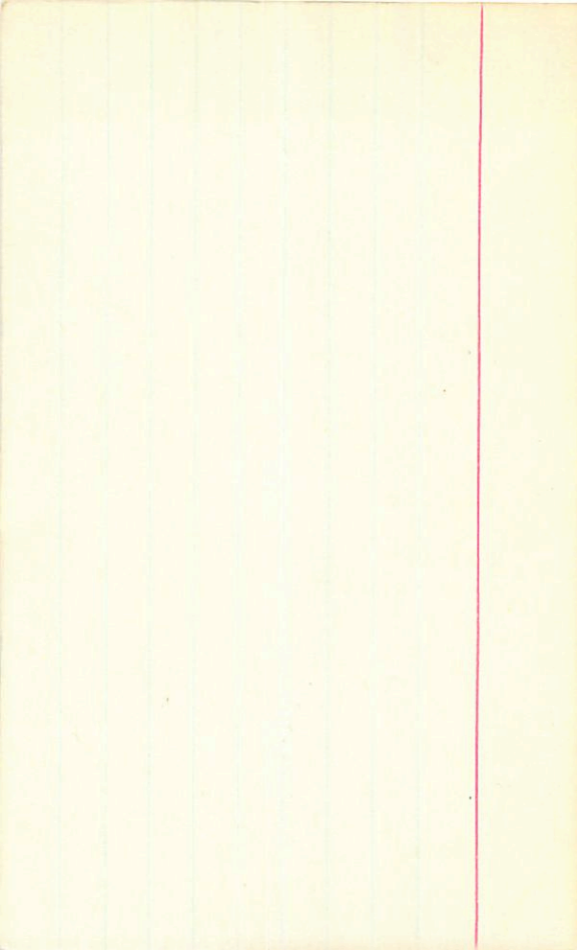
13.52 -0.105 -1.05 30.54767

~~13.52 -0.105 -1.025 29.56767~~

---

13.47 -0.105 -1.025





1947

-3401921 4 50.0 -34 19 6.67 FS } gm  
-3401922 4 50.4 -34 20.9 6.5 }

6.72 +0.51 +0.05 25 Out 67  
6.71 +0.52 +0.06 29 " "  
6.72 +0.515 +0.055

+069 +009

8.85 +0.64 +0.13 25 Out 67  
8.87 +0.66 +0.11 29 " "

+068 +014

8.86 +0.65 +0.12

6507

10.43



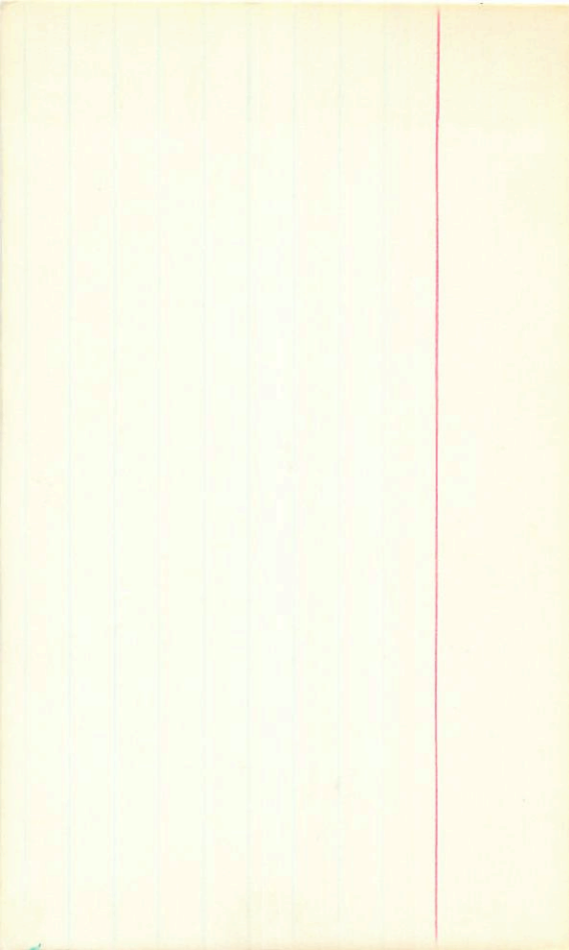
L772135 4 57.0 -27 49 15.3 to 0.32

(14.15 + 6.45 + 0.92) 6 Jan 67  
Chart → 14.24 + 1.32 + 1.06 24 Sept 68

N<sup>o</sup> 15 \* 5- 10.1 - 44 59 10.0 108

near  
9.43 +0.92 +0.34 7 Jan 67

8.93 +1.55 +1.04 7 Jan 67  
8.88 +1.52 +1.10 ~~7~~ Jan 70



0.38 11°

LTT 2164 5 03.9 -57 09 12.5 g

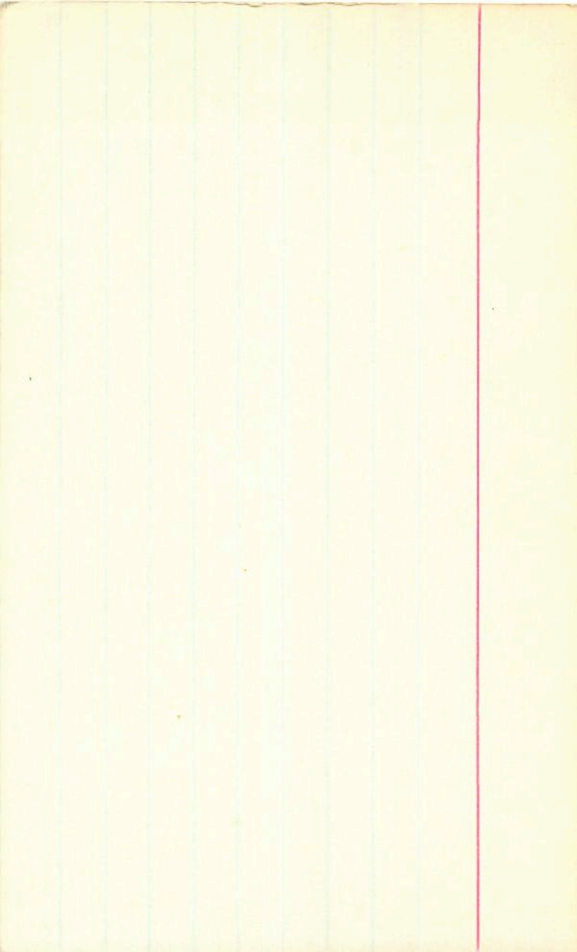
VH. 85 [to. 19] 40.29 to 60.29

11.33 + 0.77 - 10.29 4 Mar 67

WW Eri 5 02.6 -7 38

EB 11.0 -11.5 <sup>9</sup> 0.526

11.15 +0.45 +0.12 30 Sep 67  
11.27 +0.49 +0.14 14 Feb 69



0.30 3580

115

LT7 2162 5 0.2.2 -24 23 Rel g

Chart  
→

11.56	+0.72	+0.23	24 Sept 68
11.56	+0.715	+0.28	16 Dec 66 40"
11.59	+0.78	+0.27	4 March 67
<u>11.58</u>	<u>+0.74</u>	<u>+0.275</u>	
11.57	+0.74	+0.26	

3074

5 09.0 -11 5-5 5.9 gmb

Rx hyp

5.82 +1.55 +1.04 27 20/65

5.86 +1.54 +1.03 1 10/65

5.72 +1.48 +1.11 30 10/65

5.90 +1.49 +0.95 19 7/64

5.96 +1.50 +1.00 20 " "

6.04 3.98 +2.28 3 10/65

5.85 3.09 +2.22 4 "



LTT 2175 5 05.3 -23 15 14.1 k 0.40 1380

12.46 +0.64 -0.10 6 Jan 66  
7 13.74 +0.64 -0.03 30 Dec 67  
- Jan 13.69 +0.62 +0.08 2 Jan 65  

---

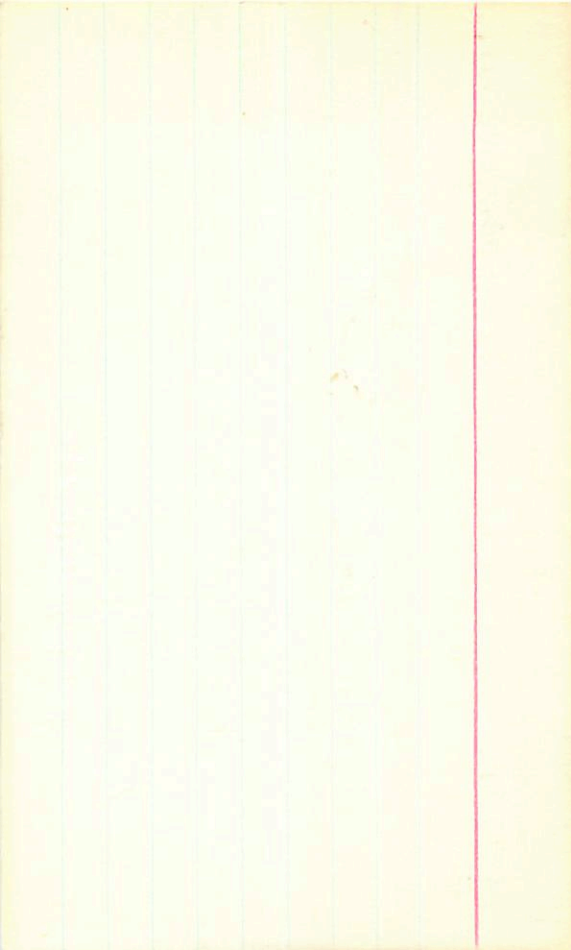
13.71 +0.63 +0.02

12.96 +0.64 -0.10 6 Jan 66  
12.93 +0.68 -0.05 24 Dec 1968

13.01 +0.64 -0.10 25 Dec  

---

12.97 +0.67 -0.08



HP 1695

5 07 19

-63 27

5.24 g MY

Var?

652

5.23

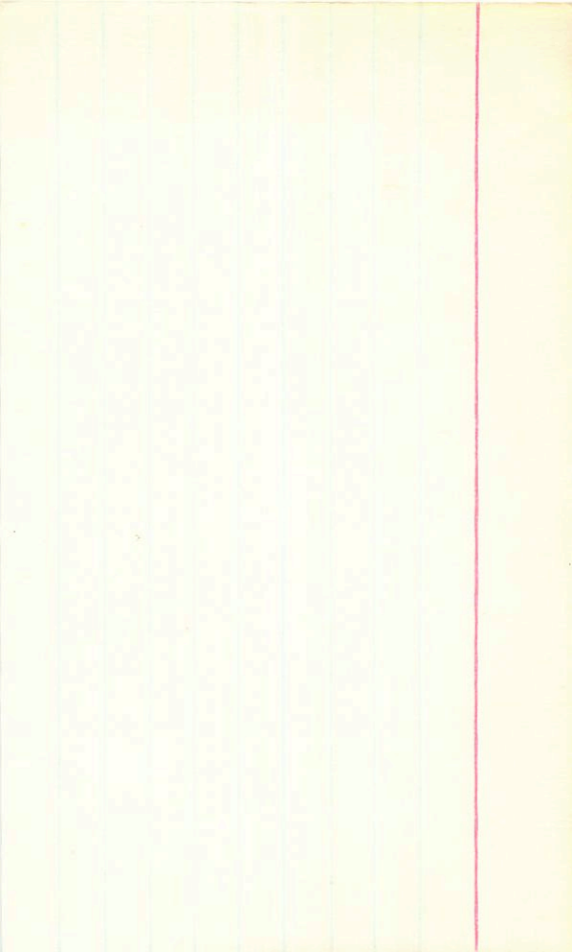
+1.63 +1.77

20 Jan 69

5.14

+1.60 +1.92

18 Feb 69



RR Sep 5 09.9 -13 15 10.2-10.9 0.9.5

9.95	+0.19	+0.28	26 Sept 68
9.92	+0.20	+0.21	24 Dec "
9.89	+0.27	+0.18	20 Jan 69
10.04	+0.25	+0.22	14 Feb 69

2198 5 09.4 -14 04 12.4 g 0.30

1671 +0.48 -0.20 24 Sept 68

1663 +0.47 -0.11 26 ..

1667 +0.475 -0.16

403447 5 15.4 -17 10 6.5 B3 67

6.55 -0.17 -0.74 3.44 67

RZ 60d

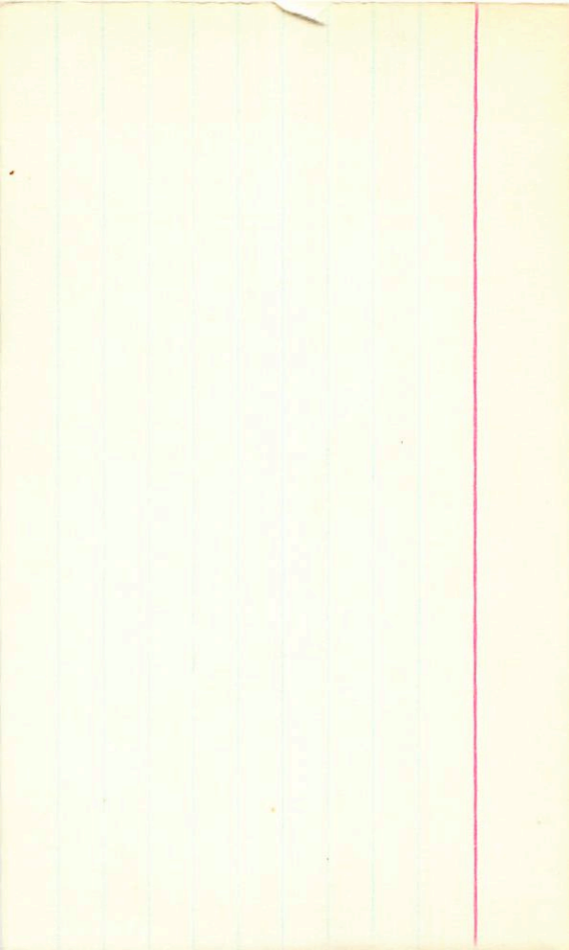
5 15.8 35 50 0.565

47

11.0 mi - 11.5 mi  
11.2 mi

11.14 + 0.32 0.00 24 Dec 47  
11.04 + 0.30 + 0.06 1 Jan 48  
10.96 + 0.26 + 0.06 30 " "  
11.12 + 0.30 + 0.05 31 " "  
11.01 + 0.30 (+0.18) 1 Feb 48  
11.09 + 0.30 + 0.05 5 " "  
11.06 + 0.30 + 0.055

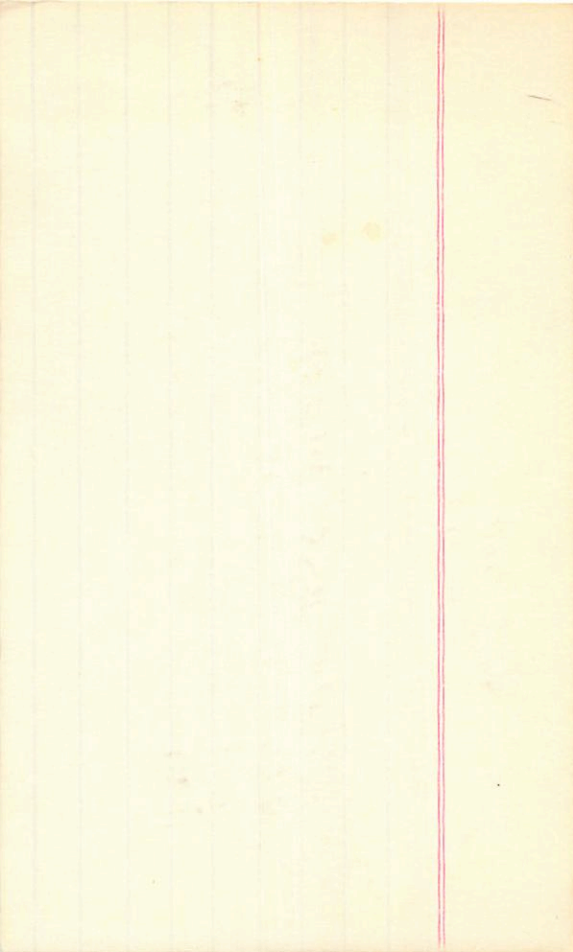




RW Dor      5      18.6      <sup>1967</sup> -68      16      10.8 - 11.4      0.285<sup>0</sup>

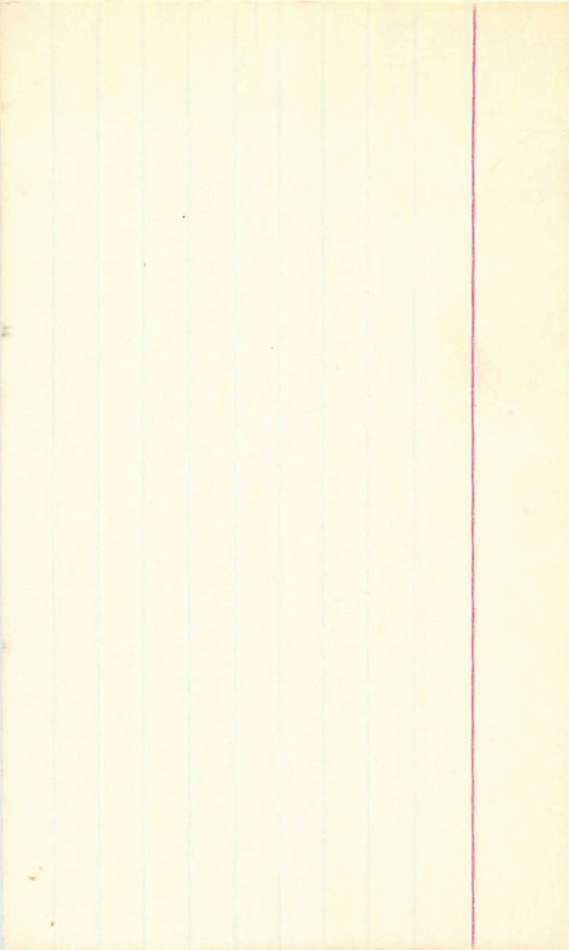
---

11.09 +1.00 +0.55      31 Oct 67  
10.99 +0.96 +0.43      29 Nov 67  
11.44 +1.00 +0.45      30 Dec 67  
11.52 +0.98 +0.55      1 Jan 68



HD35165 S 20.1 -34 23 6.1 BSp

6.05 -0.17 -0.74 26 nov 67



30 Jan 1970 14.52 + 0.84 - 0.29

22 Nov 67 15.05 + 0.42 - 0.04 1

Dec 30/Jan 1 67/68 15.06 + 0.88 - 0.12 2

Jan 21 Feb 1 68 15.05 + 0.92 - 0.14 2

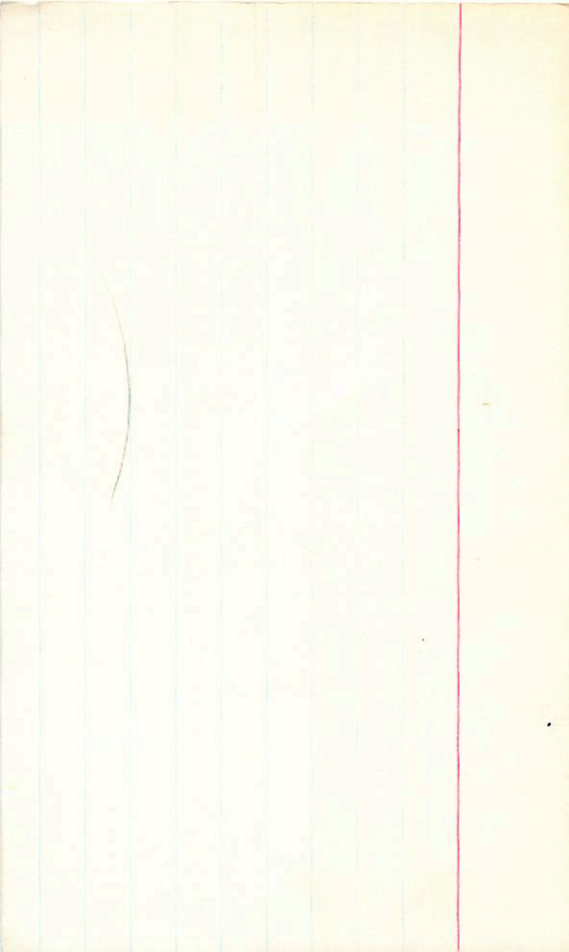
24 Dec 68 14.80 + 0.725 - 0.265 2

20 Jan 69 14.51 + 0.65 - 0.40 1

24 Feb 1 69 13.96 + 0.64 - 0.48 1

Apr 21/23 69 14.08 + 0.64 - 2

May 6 69 14.21 - ①



0521-34 → ~~July 7 1969~~ 14.40 +0.75 -  
0344 → 5 21.2 -36 30

---

14.51 +0.65 -0.40 20 Jan 69

13.46 +0.64 -0.48 24 Jan 69

14.74 +0.70 -0.24 24 Dec 68

14.87 +0.75 -0.29 25 Dec

14.80 +0.725 -0.265

A 14.35 <sup>+0.</sup>+0.77 - 24 Dec 68

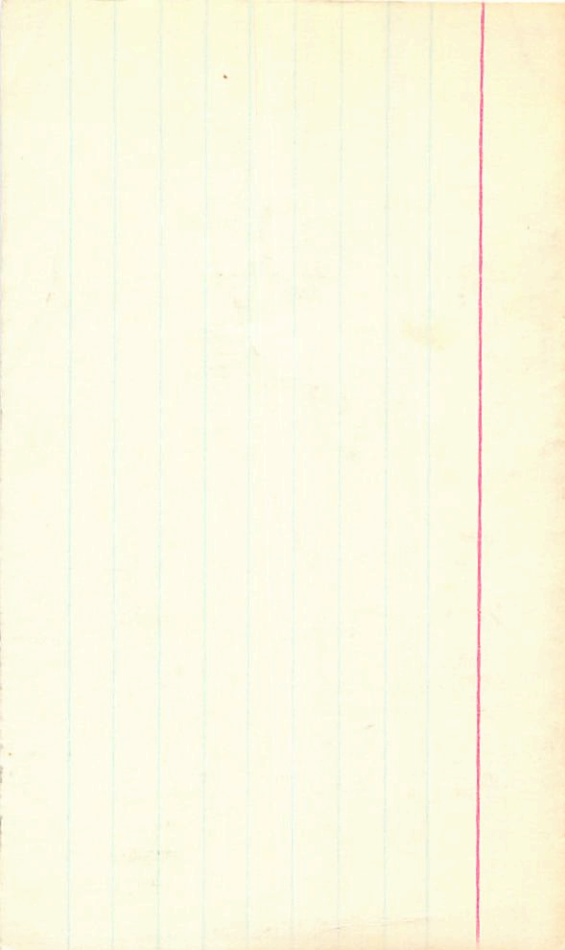
14.42 +0.70 +0.29 25

14.38 +0.735 +0.29

14.25 +0.74 +0.22 20 Jan 69

14.35 +0.73 +0.29 14 Jan 69





0521-36

14.62 +0.66 -0.40 29 Dec 70  
14.65 +0.70 -0.32 1 Jan 71

A 14.34 +0.74 - 29 Dec 70  
14.32 +0.74 - 1 Jan 71

Apr 21  $V_E = 14.00$   
Apr 23 14.10 +0.64 -  
Parker 0521-36 5- 21.2 -36 30 } 1969

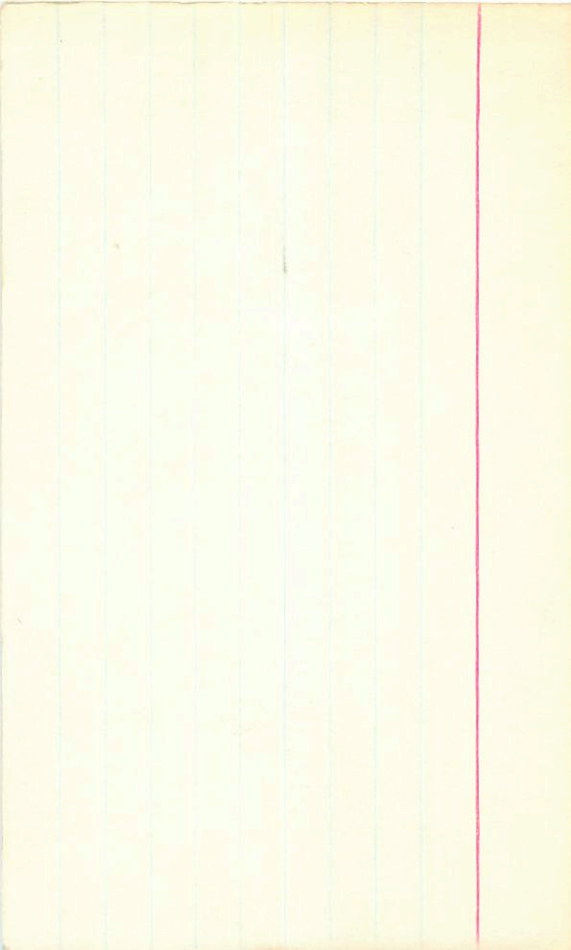
May 6 17.21 (2)

Wardland Station 1965 14.47 +0.67 -0.30 3  
Nov 22 1967 15.05 70.92 -0.04 1

~~Dec 30, Jan 1 67/68~~

Dec 30, Jan 1 67/68 15.06 +0.88 -0.12 2  
Jan 31, 68 15.04 +0.97 -0.16 1  
Jan 31, 68 15.04 +0.87 -0.13 1  
Nov 22, 1967 14.28 +0.74 +0.20 1  
Nov 22, 1967 14.40 +0.77 +0.20 1

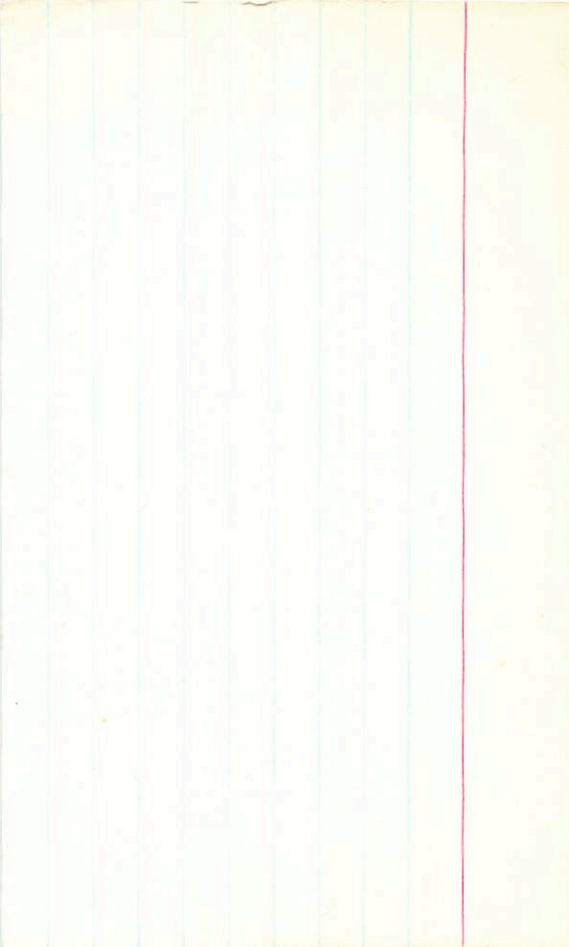
Dec 30 " 14.40 +0.76 +0.19 1  
Jan 1 1968 14.37 +0.33 +0.27 1  
Jan 1 68 14.42 +0.74 +0.14 1



Parker 14.32 +0.72 - 3 nov 69  
14.35 +0.68 - 6 nov

A 14.36 +0.74 +0.225 (9)

				wt	
Nov 22 1967	15.01	+0.92	-0.04	1	2439817
Jan 1 1968	15.01	+0.88	-0.12	2	2439856
Apr 1 1968	15.03	+0.92	-0.14	2	2439888
Dec 25 1968	14.77	+0.725	-0.265	2	2440216
Jan 20 1969	14.62	+0.65	-0.35	1	2440242
Feb 14 1969	13.96	+0.64	-0.48	1	2440267
Apr 22 1969	14.10	+0.64	-	2	2440334
<del>May 6 1969</del>	<del>14.21</del>	<del>-</del>	<del>-</del>	<del>2</del>	<del>2440398</del>
May 6 1969	14.21	-	-	2	2440348

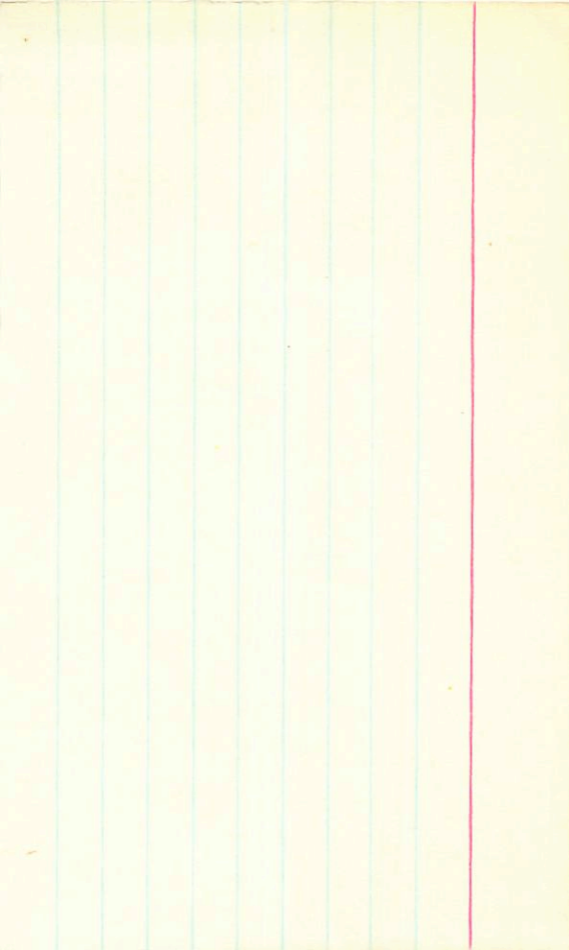


Ph 0521-36

$\Delta B$   $\Delta B$   $\Delta U$

$\bar{0.96}$  0.10 -0.51 31 Jan 64

20





0521 -36

14.38 +0.61 -0.34 } 28.2670  
A 14.30 +0.~~4~~ - } 28.2670

14.40 +0.64 -0.36 } 26.2670  
14.34 +0.68 - } 26.2670

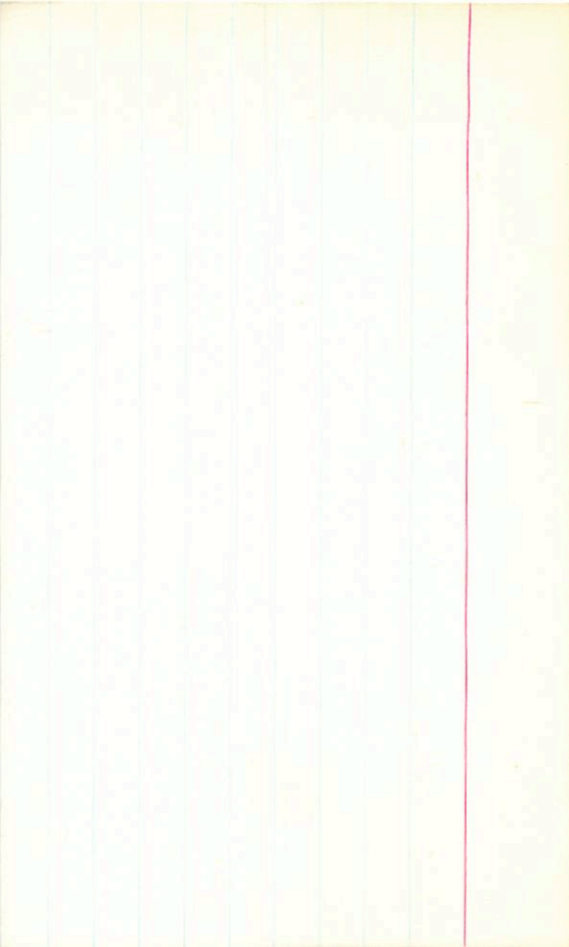
A 14. ~~14~~ + 0.74 - 12. ~~24~~  
40

17 Aug 69 14.52 + 0.74 - 0.31 ①

12 Sept 69 14. ~~24~~<sup>52</sup> + 0.73 - 0.43 ①

P0526-31 14.52 +0.74 -0.31 17 Aug 69

CP#A 14.34 +0.72 +0.22: 17 Aug 69



Aug 17 1969 14.52 +0.74 -0.31 | 2440451

~~Sept 12 1969 14.50 +0.53 -0.43 | 2440477~~

~~Nov 1 1969 14.66 - - | 2440527~~

Nov 3 1969 14.42 +0.72 -0.31 ① 2440529

Nov 6 " 14.43 +0.70 -0.31 | 2440532

14.43 +0.71 -0.31 ② 2440531

Nov 17 14.56 +0.72 -0.28

21 14.37 +0.72 -0.40

Jan 4 1970 14.76 +0.87 -0.46

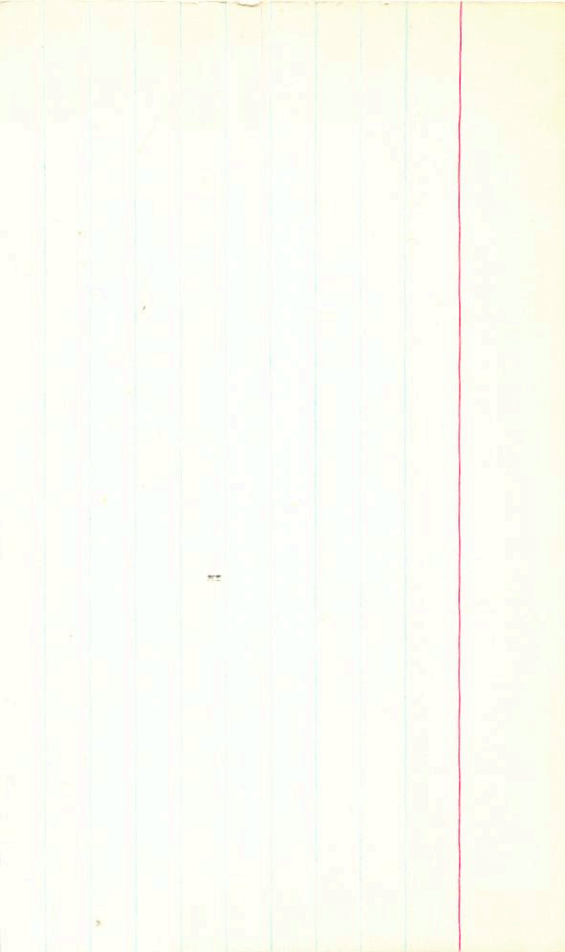
Dec 15 1969 14.82 +0.76 -0.31

A 1430 +73

1431 +74

1433 +74

A 1437 +72



Phos 521-36

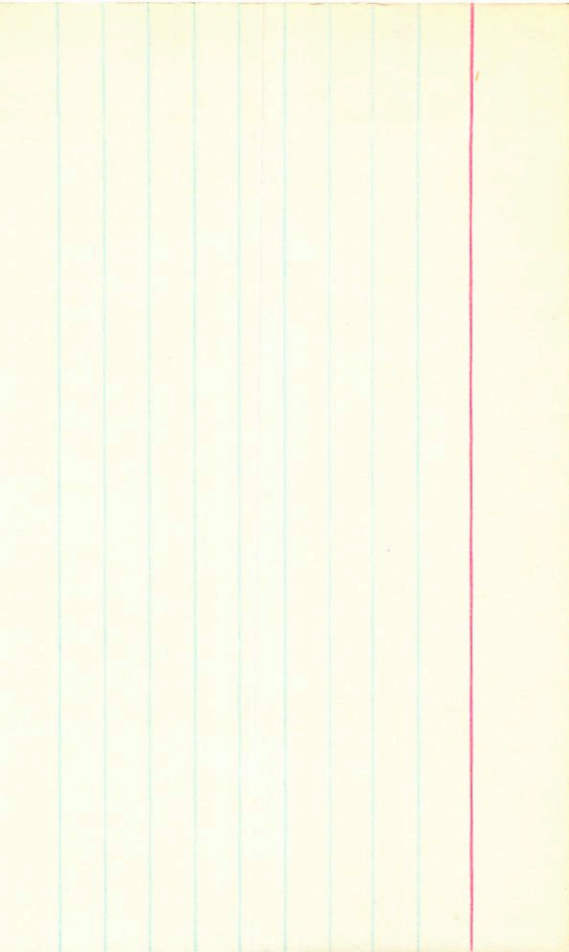
14.48 +0.71 -0.38 97670

A 14.30 +0.75 -

14.49 +0.79 -0.45 39270

A-14.40 +0.73 - . . 9

May 25 1970 14.03 - -

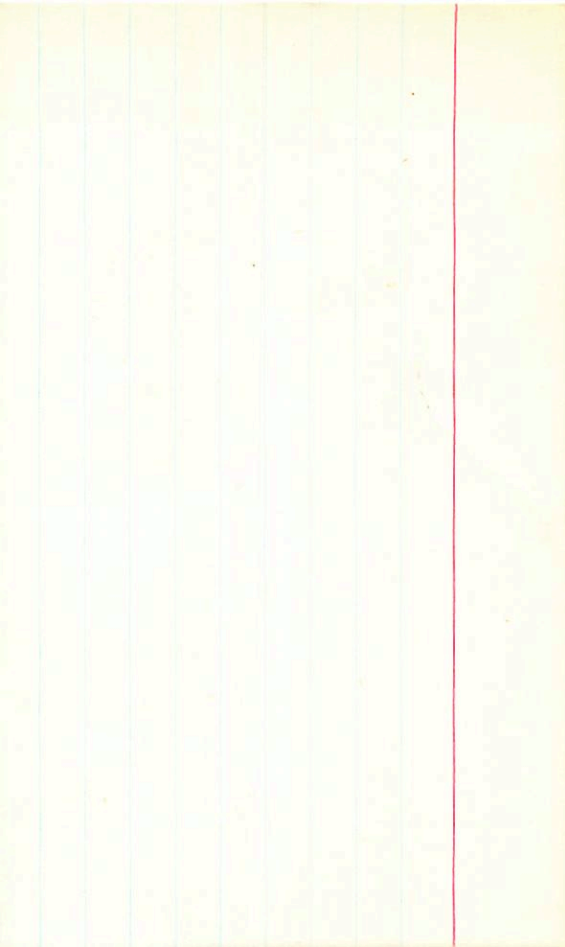




Parham 0521 -36

14.34 +0.64 -0.305 } 28 May 70  
A 14.33 +0.72 -

14.35 +0.62 -0.40 2 May 70  
A 14.35 +0.45 -



0405-12

04 06 23

-12 16.5

14.49 +0.79 -0.45

3 AM '70

A 14.40 +0.73 -

py. S. 144 page 1230

Nov 17 14.78 +0.28 -0.68

14.54 +0.61 -

21 Nov 14.37 +0.72 -0.40

A 14.30 +0.73 -

Dec 05 21-36 17 Nov 14.56 +0.72 -0.28

A 14.31 +0.74 -

Dec 15

14.44 +0.27 -0.65

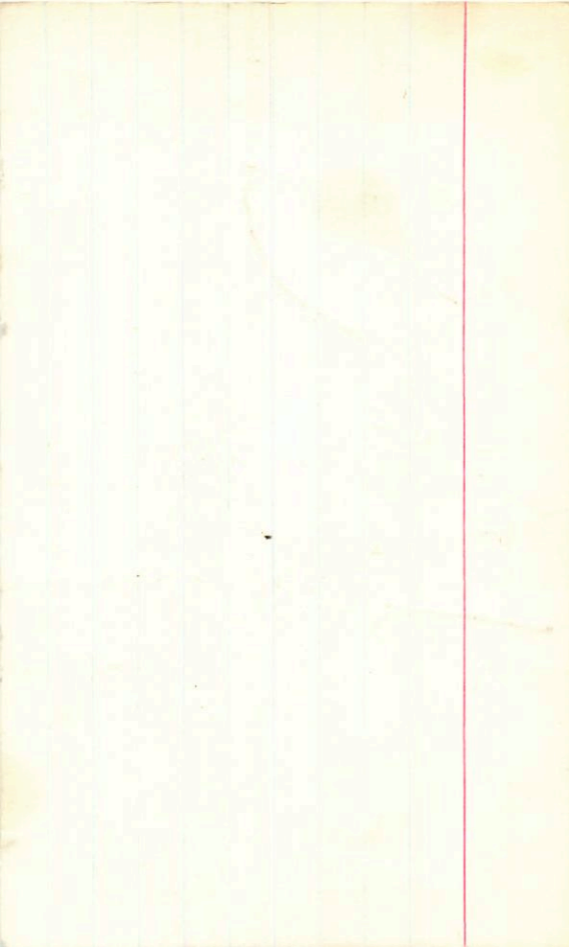
A 15.06 +0.61 -

14.52 +0.81 -0.42

11 Mar '70

A 14.41 +0.76 -

15



15 Dec 69 14.82 +0.76 -0.31  
4 Jan 70 14.76 +0.87 -0.46  
30 Jan 1970 14.52 +0.84 -0.29

14.33 +0.74 -

31 Jan 14.52 +0.78 -0.39  
9 Feb 70 14.48 +0.71 -0.38  
25 Feb 14.38 +0.41 -0.34  
17 March 14.48 +0.64 -0.36  
3 Apr 70 14.52 +0.81 -0.42  
3 Apr 70 14.49 +0.79 -0.45

14.30 +0.75  
14.30 +0.74  
14.34 +0.68  
14.40 +0.73

28 Apr 1434 +0.64 -0.305  
2 May 1970 1435 +0.62 -0.40

14.33 +0.72  
14.35 -0.91

~~28 May 1403~~

7 Oct 1970 14.50 +0.70 -0.39  
30 14.35 +0.68 -0.36  
1 Nov 14.59 +0.76 -0.33

14.29 +0.80 +0.27  
14.29 +0.73 +0.33  
14.33 +0.76 +0.23

30 Jan 1986 1452 +0.84 -0.29

Parke 0521-36

14.50 +0.70 -0.39 ) 7000

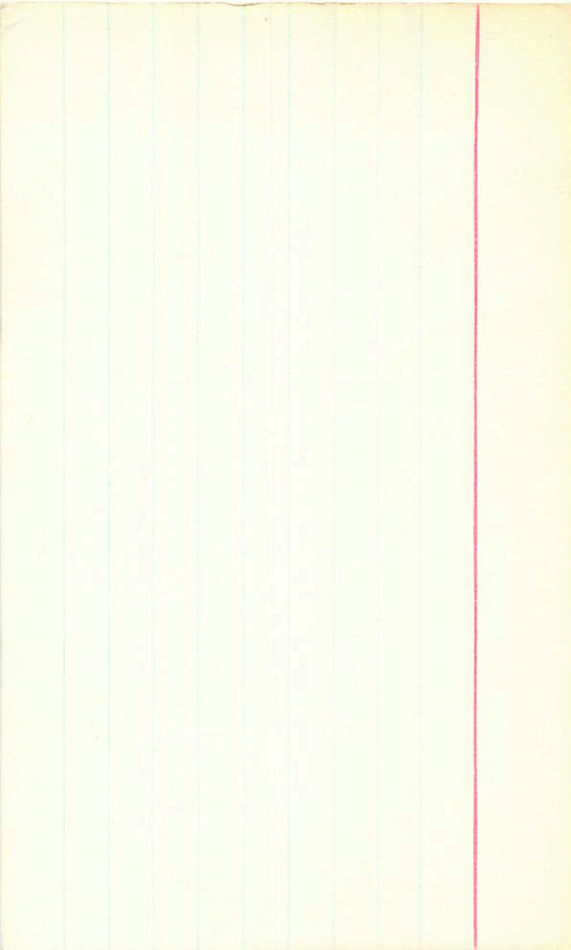
A 14.29 +0.80 +0.27

14.35 +0.68 -0.36 ) 3000

14.29 +0.73 +0.33







Fahrenheit  $\rho = 4100 \text{ kg/m}^3$

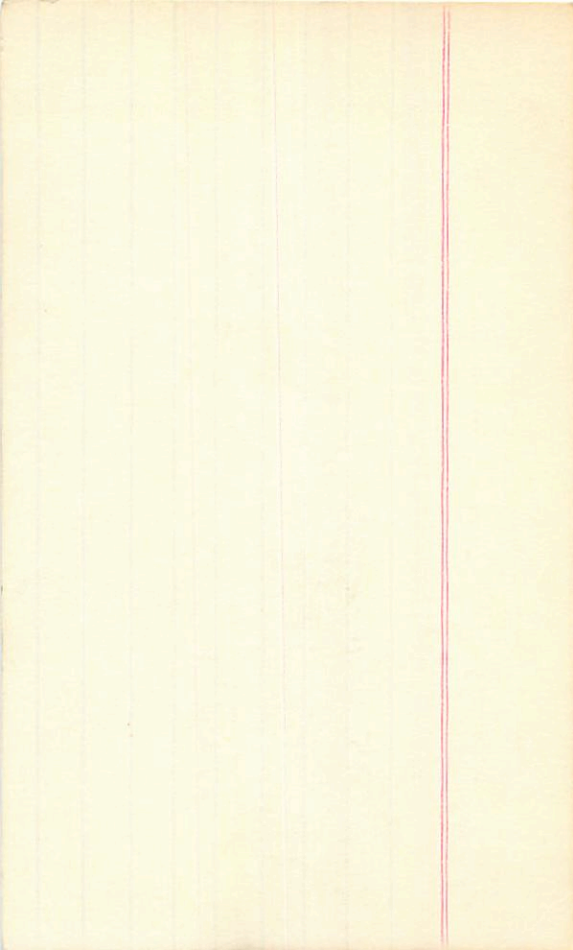
-690 344 5 21.5 -69 30. 10.5 A3

+0.019, +0.005

10.75 +0.10 -0.38

C { 11.30 -0.01 -0.51 246247

{ 11.35 +0.01 -0.57 31 " "



11.13 -0.27 -110  
Hill

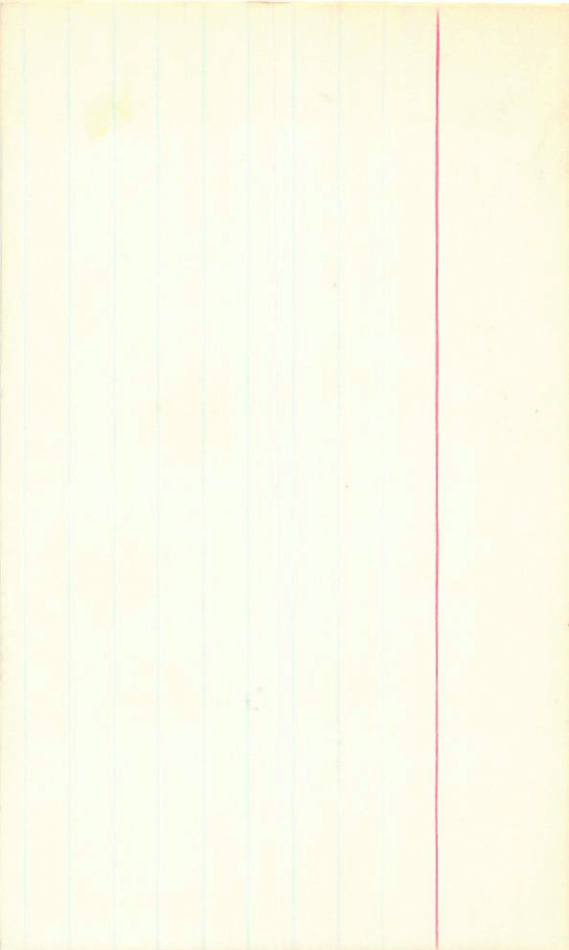
1945

LB3459 5 32.0 -69 55

11.28 -0.34 -1.18 18 Dec 66

11.19 -0.30 -1.10 6 Jan 67

11.14 -0.295 -1.15 7 Jan 67



F740

5

39.6

-35

16

9.0-9.2 0.5 FZ

13" } 11.2

1850

8.43

+0.29

+0.06

4 Jan 70

8.46

+0.32

+0.09

3 Jan 68

8.31

+0.30

+0.19

1 Feb 68

8.44

+0.305

+0.075

11.00

+0.50

-0.02

31 Jan 68

11.11

+0.50

(+0.09)

1 Feb 68

11.63

+0.48

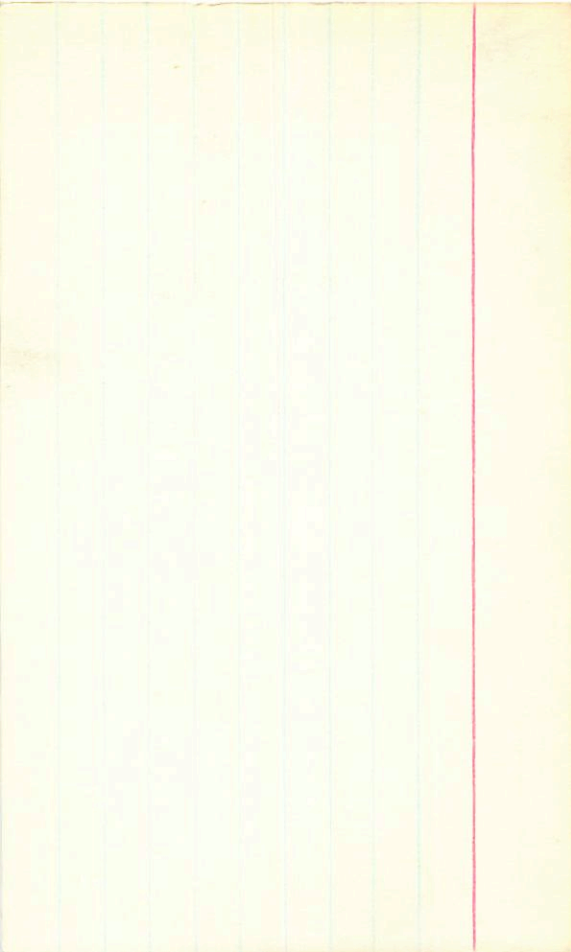
-0.04

4 Jan 70

11.08

+0.49

-0.03



6-D 257 5 48 49 207 05.5 15.0  
1965

~~15.31 + 0.26 = 1.17 - 15 Oct 66 40"~~

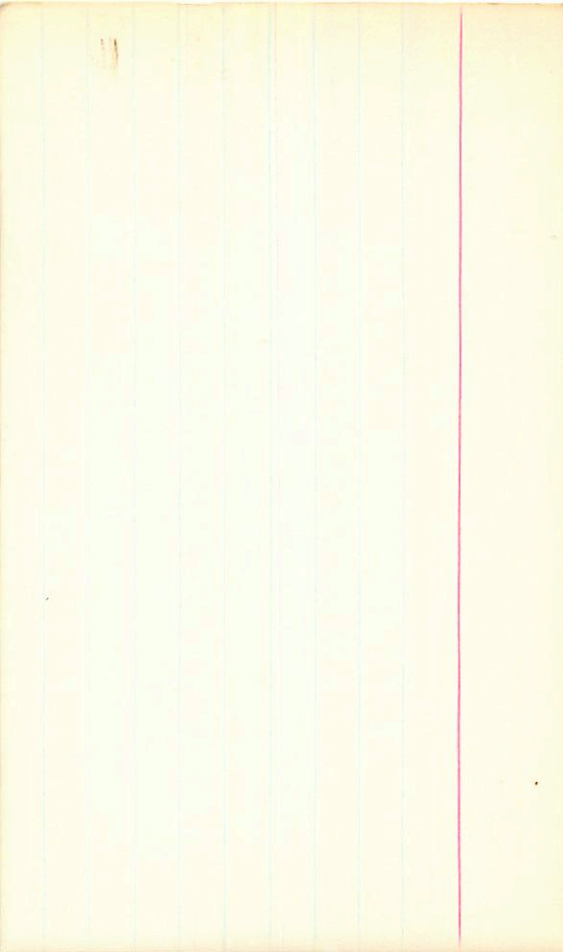
15.31 - 0.29 = 1.20 15 Oct 66

14.87 - 0.31 = 1.22 10 Dec

15.10 - 0.30 = 1.21

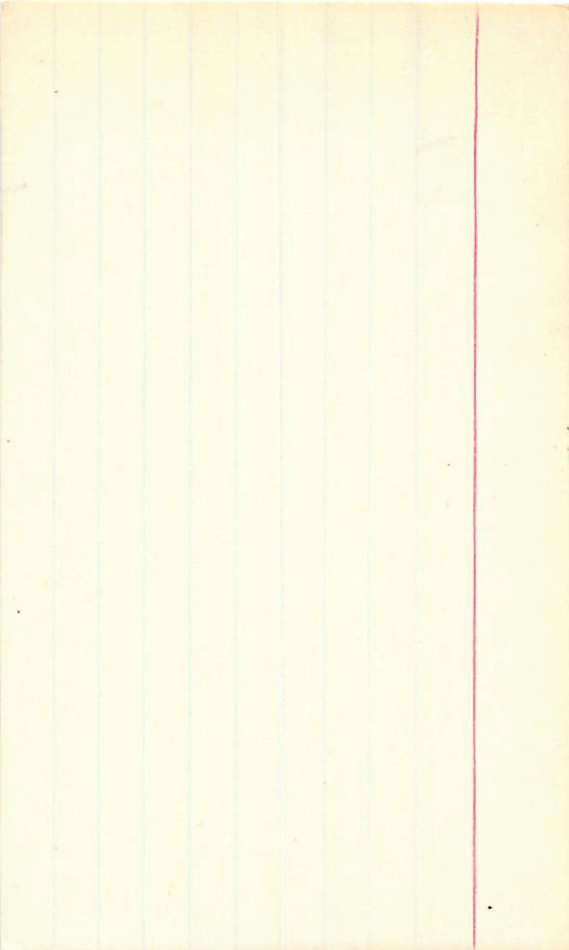
avg





17038804 5 45.8 -28 39 6.1 B7

6.23 -0.13 -0.52 26mm67



1464 +1.55 +1.10 26 Oct 68

0.26

LTT 2437 { 594 -12 30 14.3 a

( 13.90 +0.55 -0.00 9 Dec 64 40° )

14.44 +0.58 -0.25 Jan 69

14.54 +0.69 -0.34 3 Mar 67

14.52 +0.63 -0.26 12 Mar 47

14.56 +0.62 -0.14 10 Mar 67

14.57 +0.65 -0.24 (3)

LTT 2402 S 51.7 -14 24 11.3g

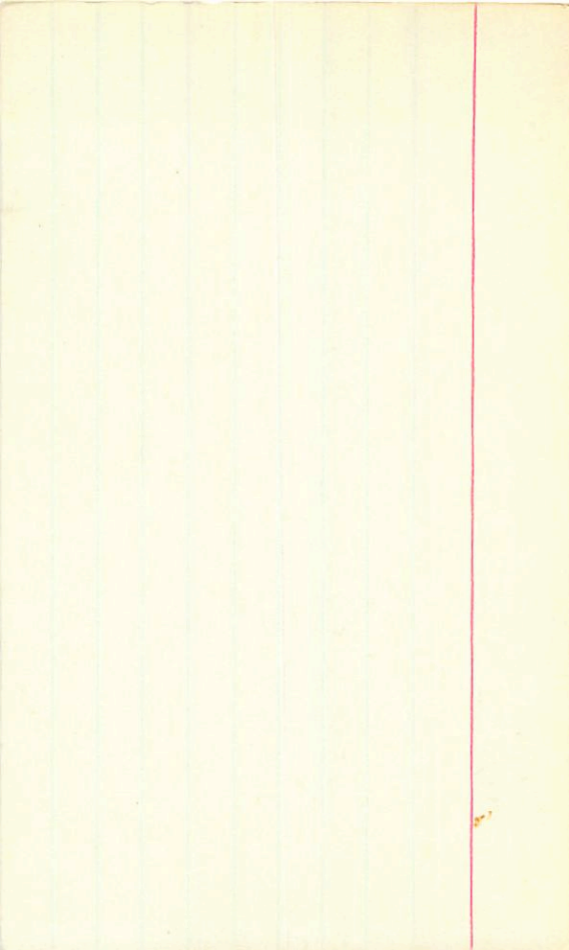
0.43 1650

(11.32 +0.57 -0.03 28 Nov 67

Change 11.45 +0.48 -0.18 24 Sept 68

AdlF9

Wickham



0.43310

LTT 2385 5 50.5 -22 47 12.8 k

10.54 +1.30 +1.00 29 20067

WILSON



H03827

6 00.2 -41 10

23"

2440

0.4  
9.8-9.8 F

9.3 F

9.31 +0.40 +0.01 17 Feb 65

9.29 +0.40 0.00 30 Jan 65

9.25 +0.41 0.00 31 " "

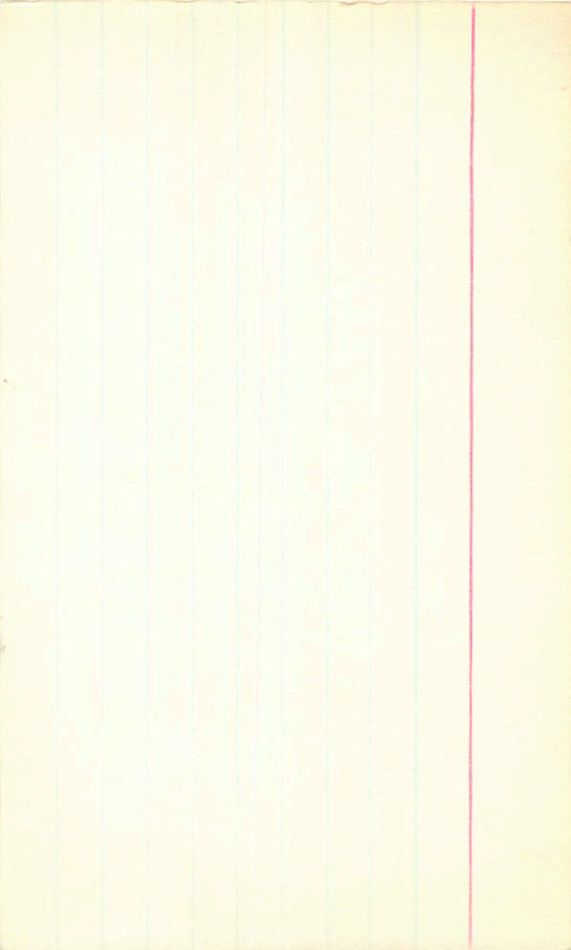
9.28 +0.405 0.00

9.65 -0.15 -0.70 17 Feb 65

9.64 -0.15 -0.70 30 Jan 65

9.60 -0.13 -0.68 31

9.62 -0.145 -0.69545  
24



HD41340 5 59.52 -62.00

1945

8.8 F-2 (40.52) hi and

1 more

✓ 8.84 +0.46 -0.02 8 dec  
 ✓ 8.82 +0.50 -0.06 13 dec  
8.83 +0.49 -0.04

9 58  
6 75  
55 55

20-

3804 06 01.2 -26 17 5.29103

2-140

4.98 + 1.31 + 1.46 25.46.63

4.94 + ~~1.31~~ + 1.48

5.01 + 1.37 + ~~1.32~~ 2.7"

~~4.98~~ + 1.34 + 1.43 7

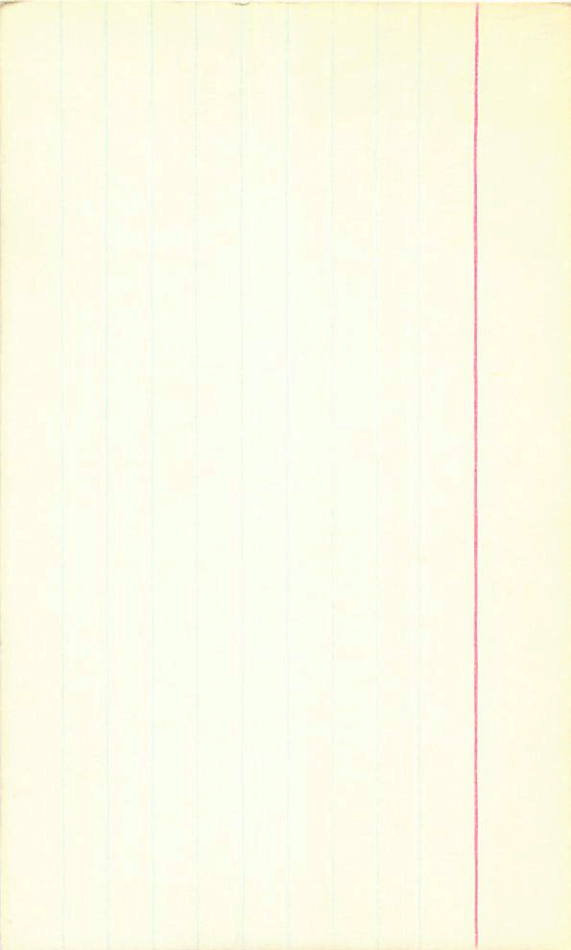
Nov 14.55 + 0.78 + 0.16 30 Nov

LTT 2480 6 09.4 -43 25 13.4 h 0.73

13.13	+0.70	-0.12	30 Dec 67
12.52	+0.64	+0.08	1 Jan 45
12.90	+0.61	+0.07	30 Jan 45
12.91	+0.625	+0.075	

NO

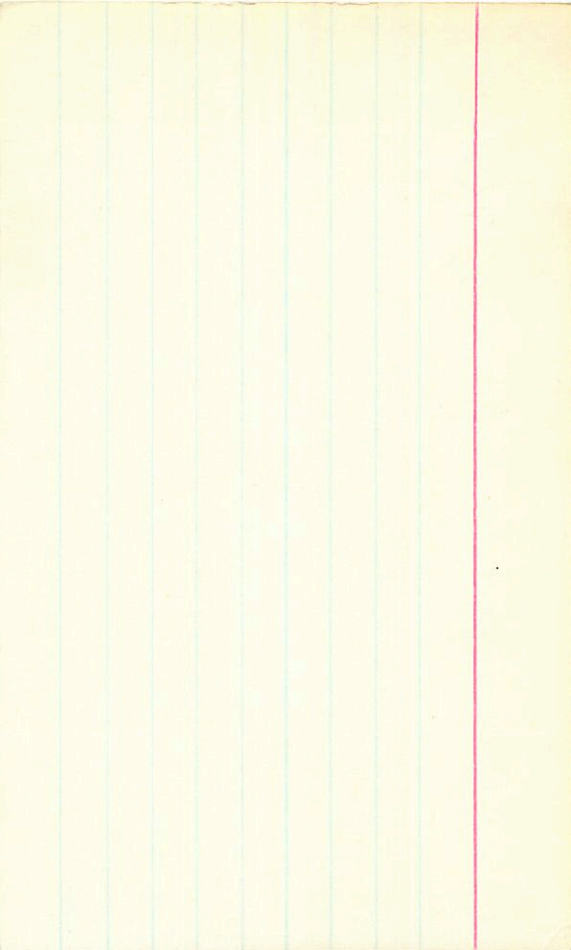
Spent 12.25 + 1.56 + 1.24 22 Apr 68



0.48  
LTT 2466 b 07 12 44 34 1966 15.0 h

1409 +0.72 +0.38 6 June 66





L772487 6 11.0 -12 23 130 5

0.26 1400

~~13.70~~

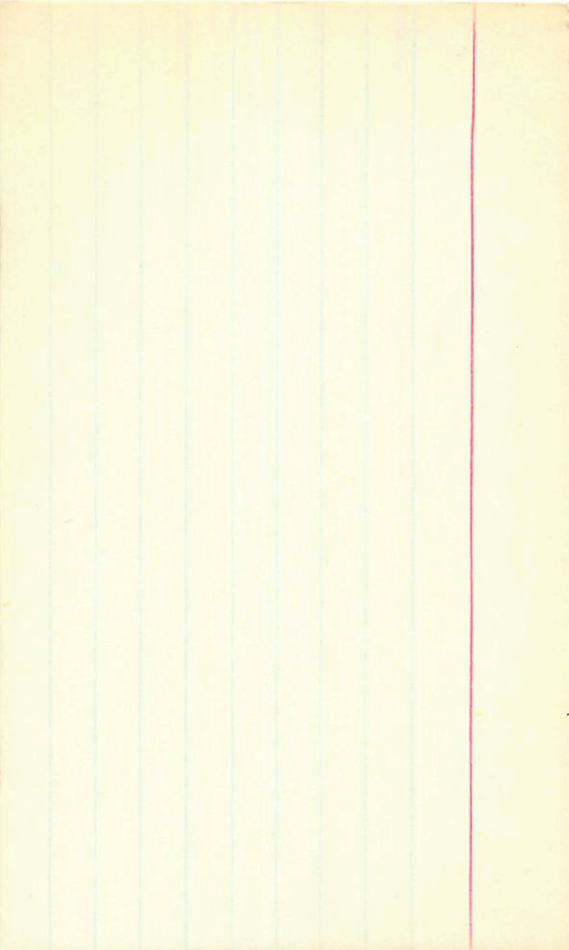
12.31 +0.515 +0.06 2 Shulch 400

12.26 +0.545 0.00 8 " "

12.28 +0.53 +0.03

HD 43179      6 12.2      47      -29 23      6.4 138

6.53 -0.08 -0.41 26m067



HR2245

9M3

6 11.1 65 34 488 + 1.63

$\eta^2$  Dor

2m 50<sup>s</sup> E 4' N 8.9 150

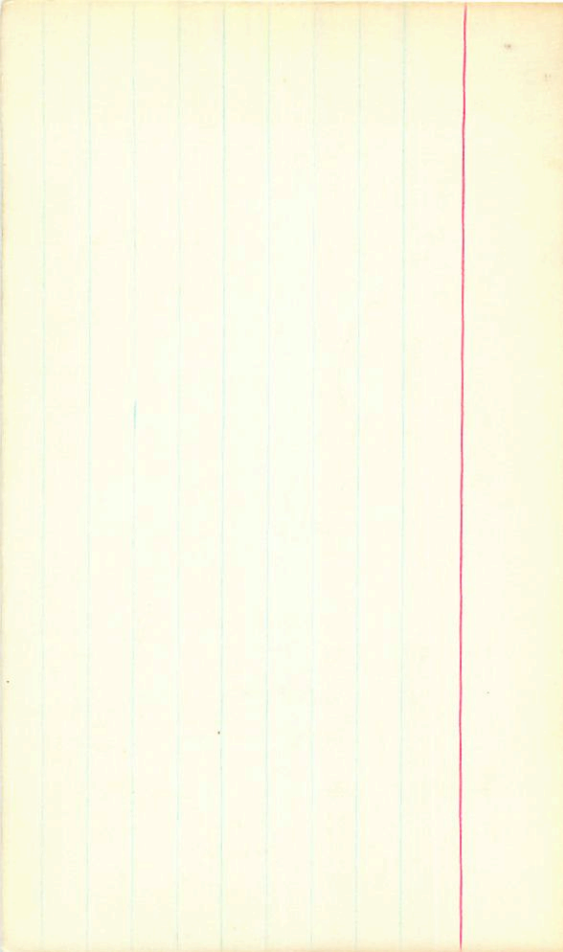
S.0-5.1 +1.63 +1.85 Capen

8.96 + 0.825 + 0.51 29 Sep 1967

8.81 + 0.82 + 0.43 17 Nov 69

8.83 + 1.82 + 0.40 21 " "

8.82 + 0.82 + 0.415



HR 2250 6 11 09 -65 35

$$\begin{array}{r} 8.81 + 0.82 + 0.43 \\ 8.83 + 0.82 + 0.40 \\ \hline 8.82 + 0.82 + 0.415 \end{array}$$

17 nov 69  
212022





BRN 4206

1945

Drill

ETT 25.5  $\checkmark$  6 24 06 -60 08.5 11.4 g

11.14 +0.355 -0.245

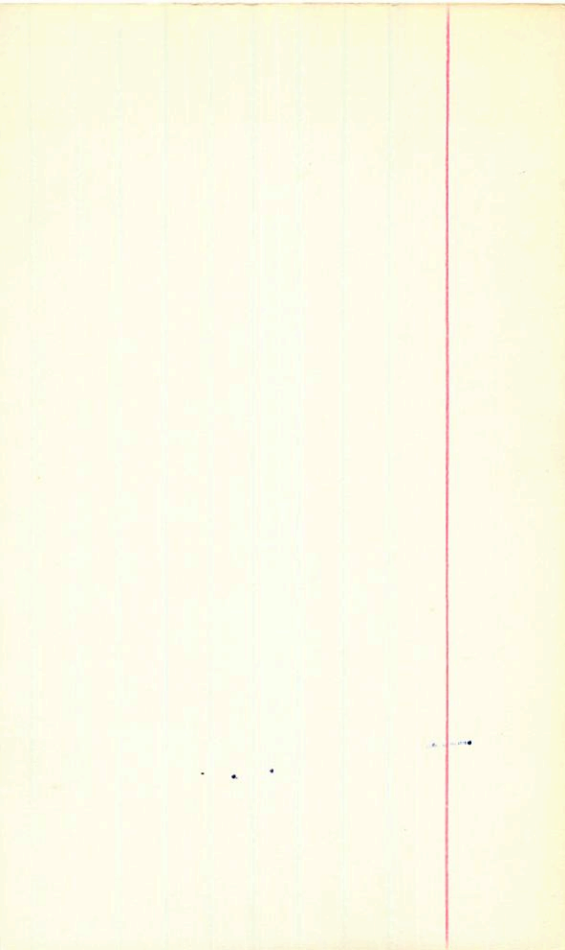
11.03 +0.42 -0.25

---

11.08 +0.41 -0.25

7 Jan 67 40'

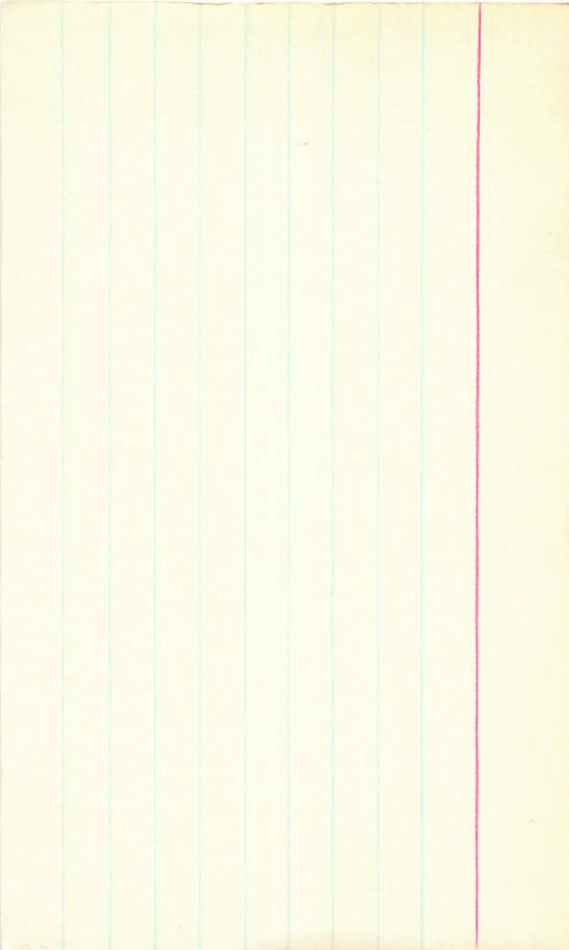
30 Jan 68



LTT2531      19.8    -22    43    1950  
                  6    17.7   -22    42    1900    12.7    067  
                  6    20.4   -22    43.5   1966

Chart

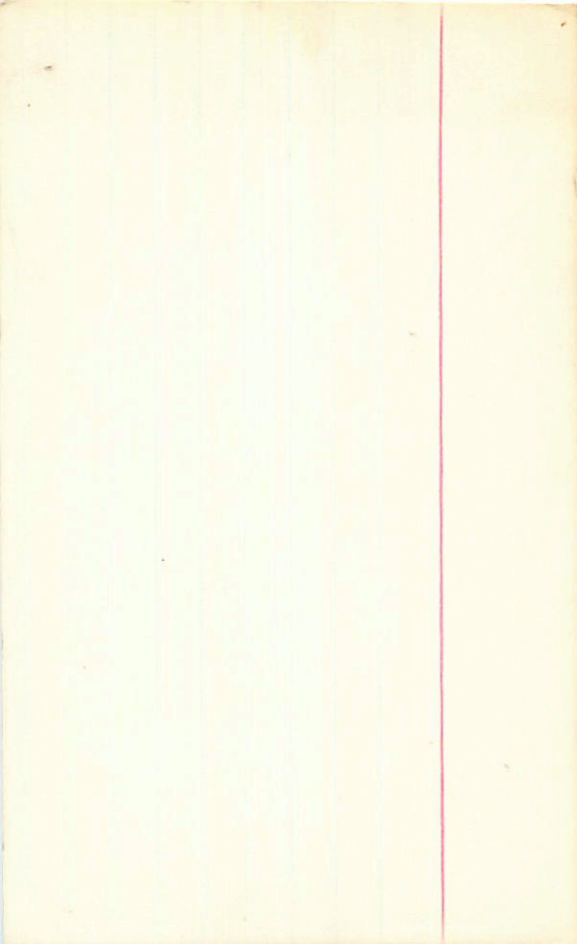
10.76 +1.44 +1.23    22 Apr 68



HP 2345

6 25.2 → 25 49 } 6.06 to .54  
45<sup>0</sup> }  
42<sup>0</sup> } 13.0 m

B 11.88 + 1.45 + (1.12) 14 m or 47 40<sup>0</sup>  
1.20



HP 2384

5.30 +0.375  
 5.40 +0.36  
 5.40 +0.33  
 5.30 +0.385  
 5.38 +0.34

5.40 +0.37 (40.235)  
5.40 +0.35 +0.01 (4)

8.40 +0.745 +0.34  
 8.28 +0.78 +0.35  
 8.43 +0.785 (-0.09)  
 8.37 +0.76 +0.35  
 8.22 +0.77 +0.35  
 8.45 +0.77 +0.35  
8.41 +0.765 +0.35

28.6 1565  
 28.0 -50 18 AB 5.3

4 Mar 67 8.5  
 5 Mar 67  
 18 Dec 66

17 Dec 64 40"  
 5.36 +0.38 +0.005 (5)

18 Dec  
 4 Jan 70  
 17

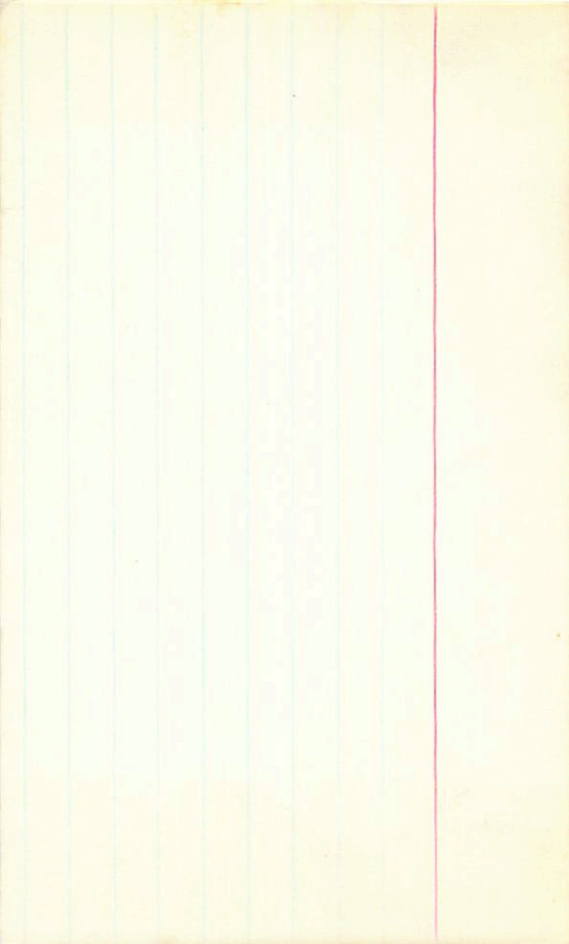
5 Mar 67  
 4 Mar 67  
 8.38 +0.765 +0.35 (5)

5.5  
 0.75

sm=0

sm=0

14 Mar 71





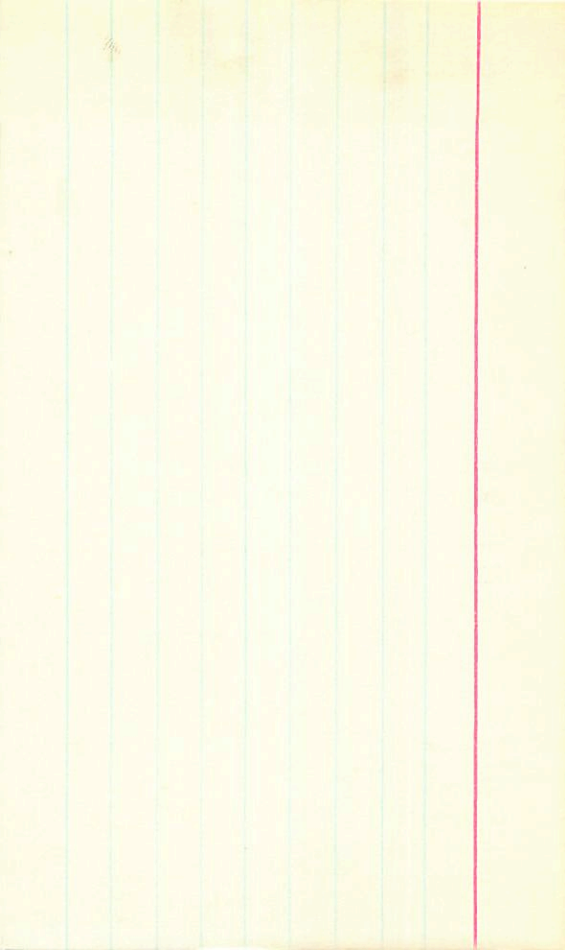
LDS 164 6 28.1 - 52 48 10.4 SF 91" 009  
13.6

BPM 19236 237-65

39 237-64

8.68 70.66 +0.28 24 Dec 66

12.12 71.26 +1.28 24 Dec 68



6 24.4 -75 40 1550

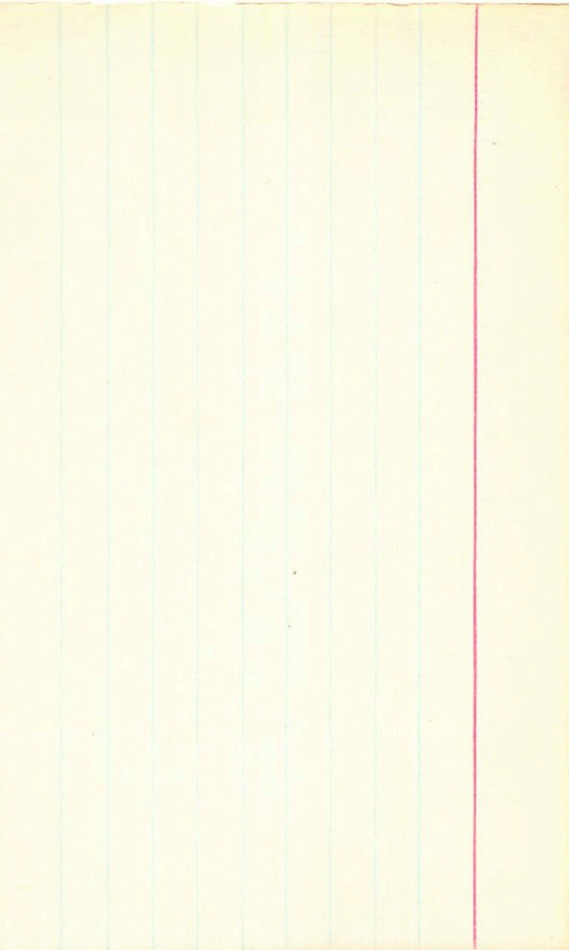
6 26.1 -75 38 1900 15.1 0.09"

6 23.7 -75 40 1455 15.8 -0.06

L-32-11

BPM 4225

15.38 +0.26 -0.73 26 Apr 68

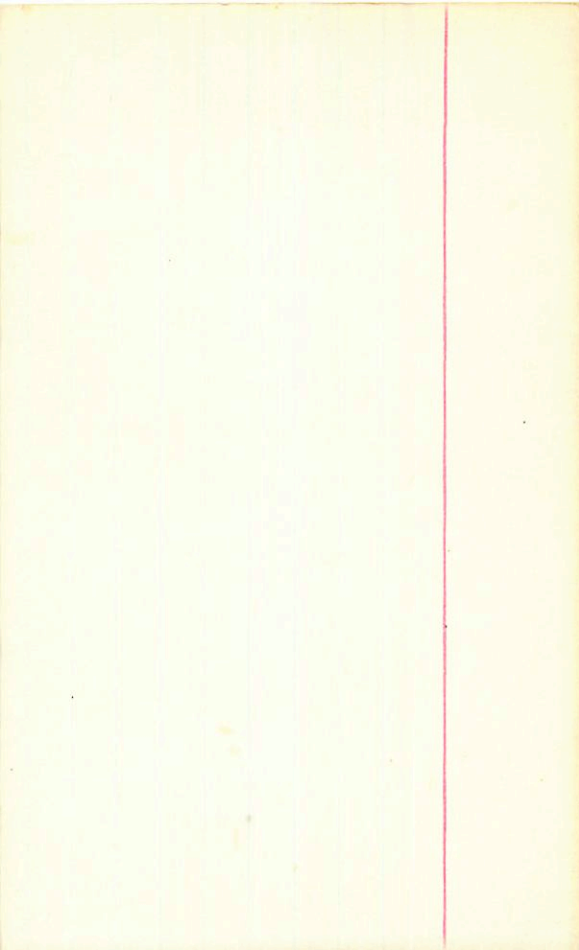


8945

HP2481 6 40.63 -22 24 62 Fo } 18.5  
9.0

6.28 +0.31 0.60 14 "  
6.30 +0.35 -0.01 15 Dec 66 40"  
6.28 +0.32 0.60 3 Dec 69  
6.28 +0.32 0.60

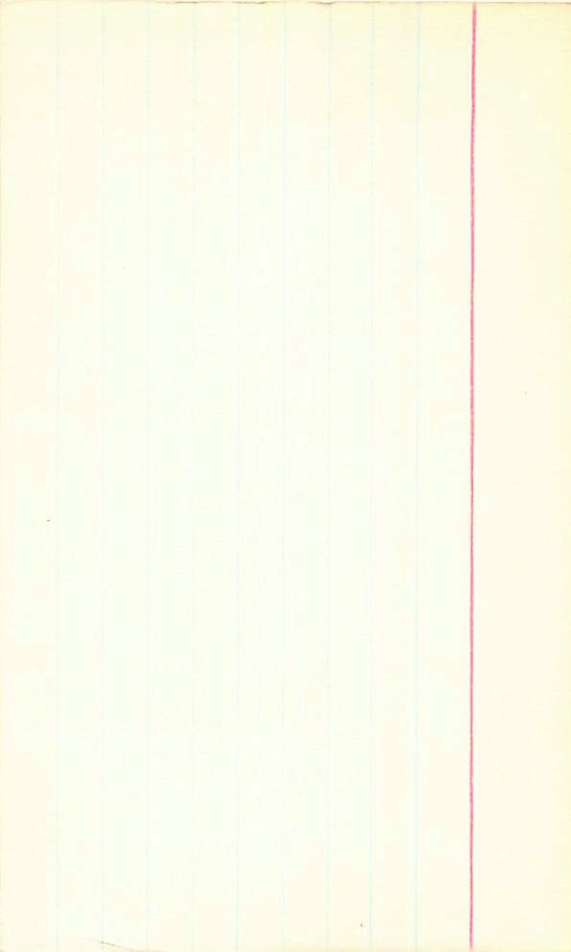
8.34 +0.64 +0.12 14 Dec  
8.39 +0.66 +0.10 15 Dec 66 40"  
8.34 +0.65 +0.12 3 Dec 69  
8.35 +0.65 +0.12



HP2424      6 38.3      ~~1447~~      -34 44      (6.0-6.6)"      B9 ai  
21"      }      11.5

5.54      -0.13      -0.50      31 Jan 68  
5.58      -0.14      -0.50      17 Feb 68  
5.56      -0.135      -0.50

10.86      +0.65      +0.08      31 Jan 68  
10.90      +0.62      +0.12      17 Feb 68  
10.86      +0.635      +0.10





RR Pri      6    35.2    -62    36

12.32 -0.08 -0.89      4 mm 47

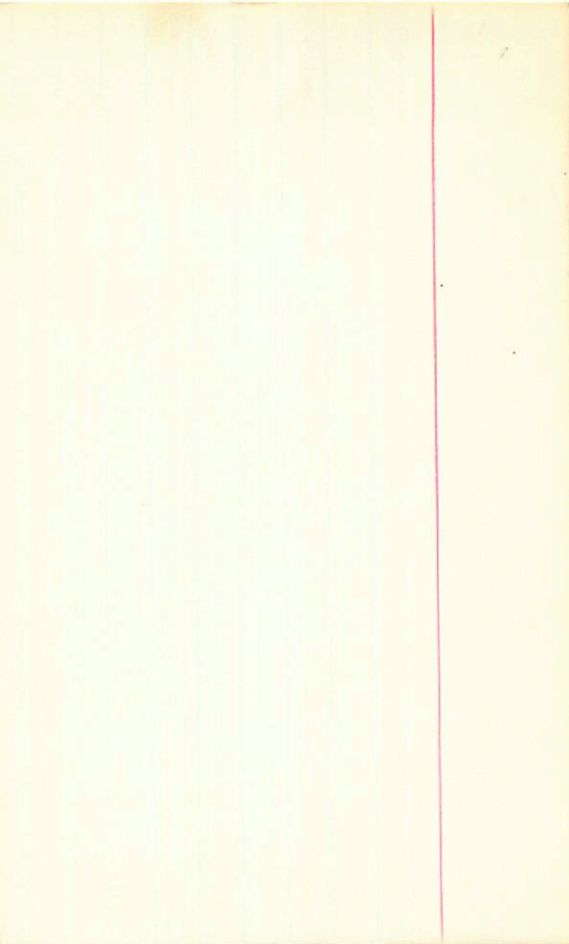
12.01 -0.01 -0.89      5 " "

12.15 -0.03 -0.95      9 "

12.13 -0.10 -0.90      10

---

12.0 -12.3 -0.10 -0.90



HJ 2340

6 44.0

-29 17

$\frac{12''}{30}$

$\left. \begin{array}{l} 10.5 - 1443 \\ 120 \end{array} \right\}$

11008

1''

10.28 +0.40 -0.06

31 Jan 68

10.32 +0.38 -0.04

17 Feb 68

10.30 +0.39 -0.05

11.90 +0.50 -0.07

31 Jan 68

11.90 +0.48 -0.07

17 Feb 68

11.90 +0.49 -0.07

23-80

21-79

16-75

305

72 1/2

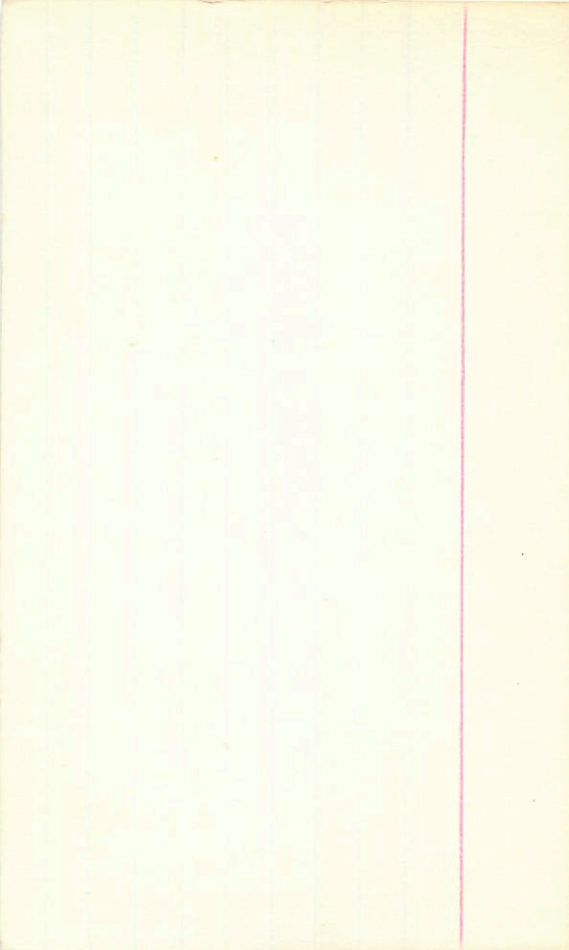
20-11

355

375

Gumon · 6 42.2 +0 16 119-12.4 0.90<sup>d</sup>

11.81 40.50 -0.06 3:45AM 3 Nov 67



HR2545

6 48.5 -31 38

5.6 88 } 43

o.c. { 8.3 43 } 43  
210.8 } 40

5.68 +0.16 -0.52

31 Jun 68

5.75 +0.17 -0.55

17668

5.71 +0.145 -0.535

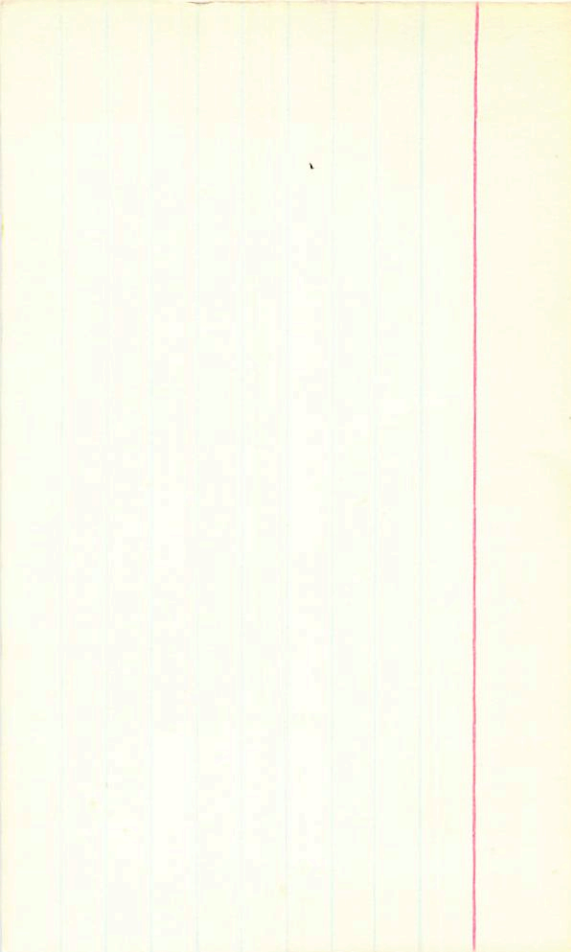
7.78 +0.19 +0.14

31 Jun 68

7.81 +0.17 +0.16

17668

7.80 +0.18 +0.15

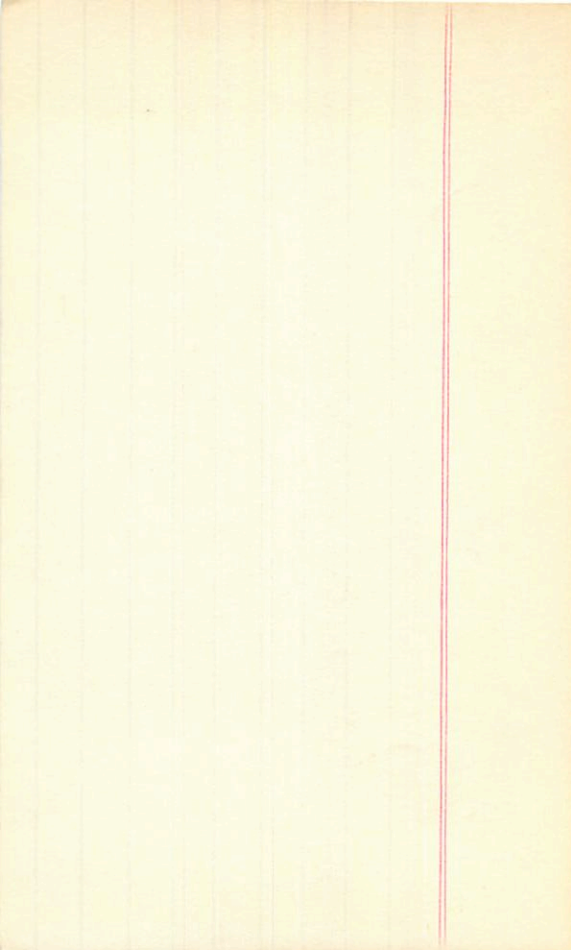




1967

HD49336 6 45.8 537 4.1 4.2 B2C

6.20 -0.12 -0.60



L05173

$\pi = 0.15$

$u = 0.13$

-440 2974 / 3      6      50.3      -44      15      7.8      110

10.6 Co

8.18 +0.93 +0.625 10.1er

8.18 (+0.50 +0.56) 9.1er

8.14 +0.44 +0.64 → 3.000 64

8.17 +0.93 +0.62 8.1er

8.17 +0.93 +0.63 (4)

10.15 +0.58 -0.02 10.1er

10.15 +0.58 (+0.06) 9.1er

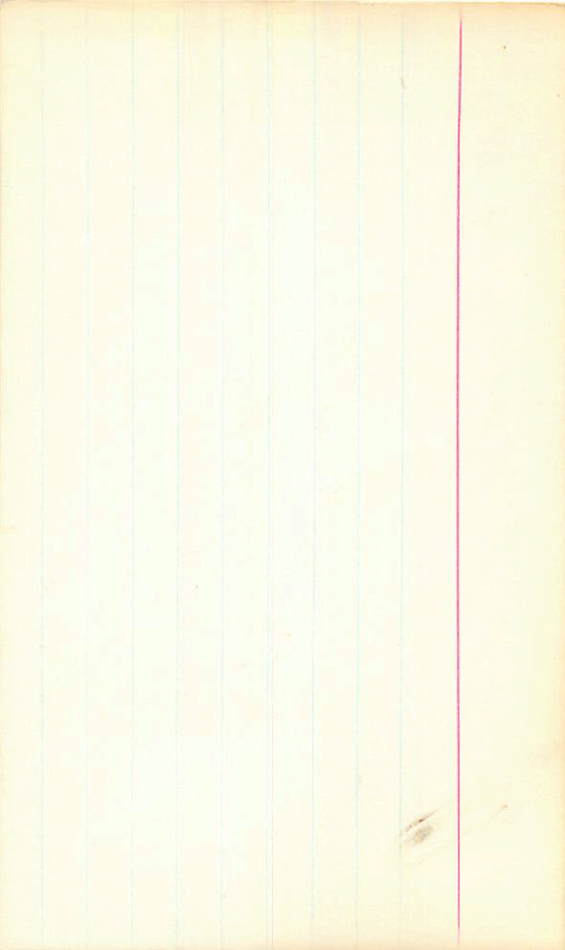
10.15 +0.58 -0.02 3.000 64

10.16 +0.58 -0.06 9.1er 64

10.15 +0.58 -0.03 (4)

~~10.13 +0.585~~

10.16 +0.58 -0.01



2660 6 48.6 - 9 06 14.8 A 0.58

886-20

13.35 + 1.46 - 26 Sept 68