

HD 19467 3 05 39 -13 53 7.2 d65

6.94 + 0.14 ^{6.94}

6.94 + 64 + 12 ⁵⁹⁹

6.74 + 0.206 298668

6.83 + 0.192 309

6.78 + 0.20

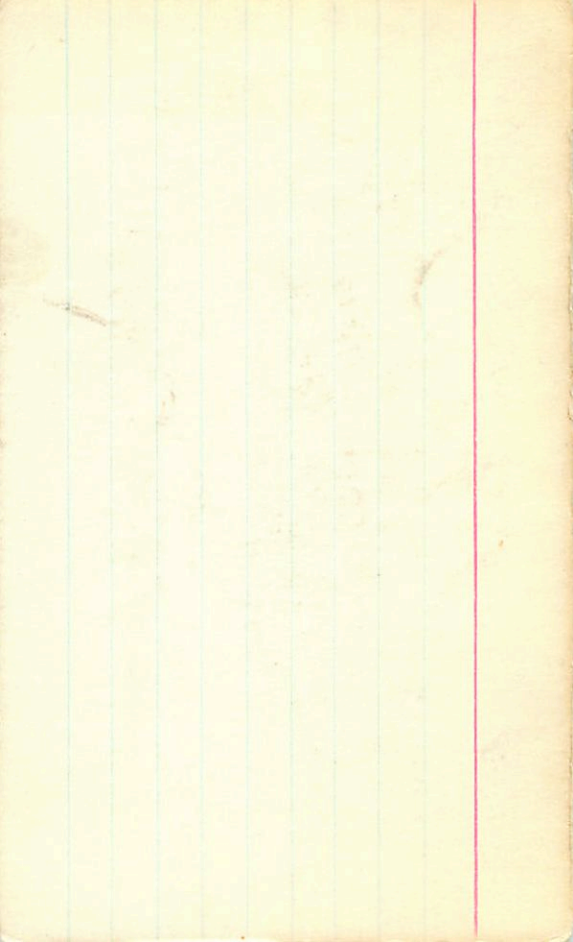
180

659

298

29

1946

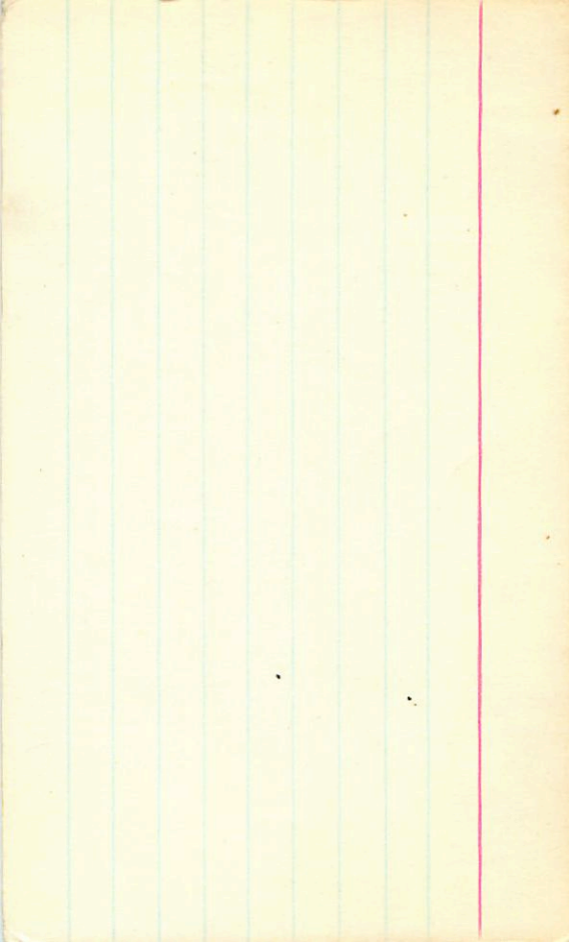


LTT 1478/7

3 04 34 -28 20 130 +165 +122

10.20 +140 +168

9.23	+0.75	
9.50	+0.685	27 Dec
<u>9.74</u>	<u>+0.755</u>	18 Nov 68
9.19	+0.75	
11.90	+1.055	29 Dec
11.97	+1.025	28 Dec 68
<u>11.92</u>	<u>+1.09</u>	18 Nov 68
12.11	+0.98	27 Dec
<u>11.94</u>	<u>+1.04</u>	



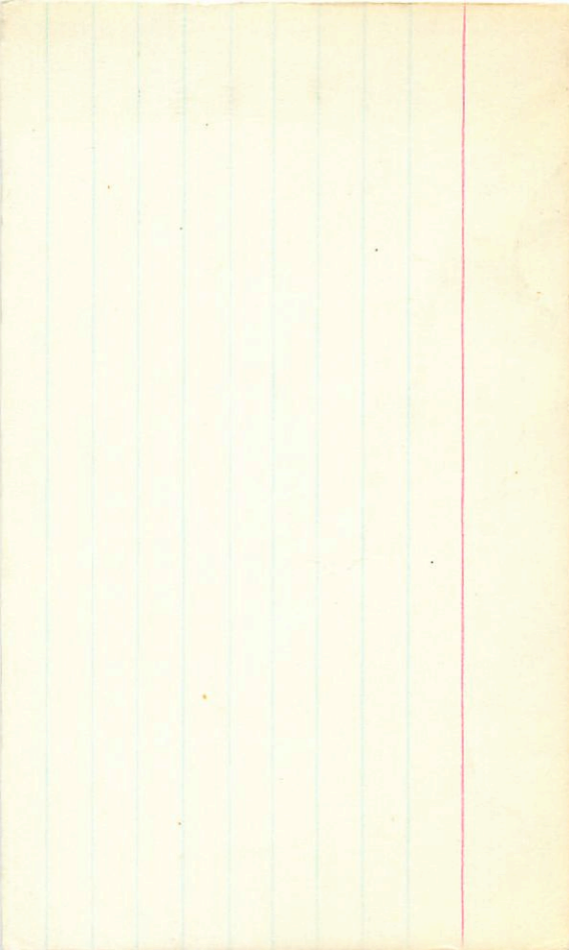
19522

3 06 33 -12 10 8.0 63

30 Nov 71 8.10 +0.70 +0.20

7.92 +0.24 Nov 71

7.40 +0.25 31 Nov 71



988 03 15 30 -09 14 6.14 dFy

R N

^{26.679}
 6.16 433 876 -388 7 Sept 77
 6.16 422 870 -376 27 Nov 77 W
 6.14 438 801 -386 10 Dec 77
6.16 431 893 -383

6.03 +0.149 6 Dec 77

271 157

AOS

2464

3 16.3 -1 13 10.0 65

1550

9.64 +0.72 +0.14 24 cent 63

9.45 +0.72 +0.23 12 dec 63 100'

946t 3 10.2 -1 23 1950

↑

A052406A 5.12 +0.57 +0.09 17 Aug 63 100"

-10445A 8.62 +0.53 +0.03 17 Aug 63 100"

B 9.94 +0.45 0.00 17 Aug 63 100"

F020259 3 12.5 -1 22

(94) A 3803

538 -86 1158 -503 26 Nov 76

546 -76 1167 -517 10 Mar 76

538 -89 1172 -487 12 Mar 76

539 -100 1170 -503 (54) 27 Jan 84

540 -91 1170 -509 (54) 28 Jan 84

539 -96 1166 -513 (54) 29 Jan 84

41 1167 -503

2459 3 158 - 1 07 1550

956T

C = 10474 5.89 + 1.04 + 0.77 14.51 63.50

AB 5.47 + 1.01 + 0.77 16.49 63.10

5.46 + 1.04 + 0.78 17.28

5.45 + 1.02 + 0.78 18.25

5.46 + 1.02 + 0.78

10.04 + 0.60 + 0.02 14.51 63.60

C. 10.05 + 0.59 + 0.07 16.49 63.10

10.01 + 0.62 + 0.09 17.72

10.04 + 0.62 + 0.07 18.73

10.03 + 0.61 + 0.06

244 + 3.5

962A

5.08 -395 +882 -385 @ 1977
 5.06 -353 +899 -400 2.168 384

5.07 -350 892 -395 2.165 (8)
 +0.15

403 356 166 576 2.648 635
 (273) (475)

1647
 B 8.58 345 136 499 481
 (164) (240) (425) (111)

993 03 17 04 - 28 52 590 + 34

✓

5.40 515 915 - 152 244 + 77

6.87 1008 ✓ 6.877

G-5-27 3 15.7 +15 00 1950

Apr 7th 2-22/23

928482

7.44¹⁰⁵ +0.76 +0.38 24 Oct 100'^{100''}

7.39⁴ +0.81 +0.35 29 Sept 62

7.41 +0.78 +0.34 30 " "

7.41 +0.79 +0.34 25 Oct UV-?

~~7.41 +0.785 +0.35~~ (very bright UV)

1K. 7.35 1.82 0.38

15.54 +1.29 (+0.51) 29 Sept 62 100''

15.55 +1.34 (+0.79) 30 " "

15.57 +1.27 — 24 Oct

15.50 +1.37 +0.34 25 Oct

20502

V.V

3 17 05

50

+15

06 2.7

~~111~~
~~112~~

242 233 979 -440 120075

241 228 964 -435 272075

242 230 972 -435

482 239 402 1872 215 -10.250

244 246 962 -432

242 248 966 740
244 246 966 358

244 236 954 ① 244 958 534 244

217 +0.272275

213 +0.2726475

212 +0.2765...

210 +0.276

20512 8 16 48 +15 04 7.7 64

7.41 +0.78 +0.35 35
7.39 +0.74 +0.40 30²⁰₁₁

A 7.05 +0.28 (2)

7.06 +0.27 10001

7.06 +27

7.04 +31

7.06 +25

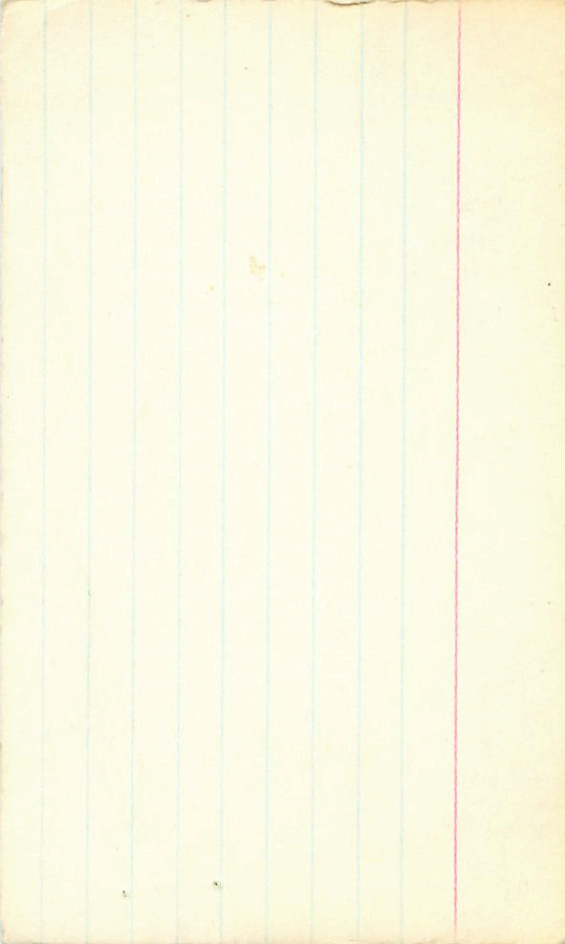
7.06 +30

7.04 7.06
=

15.55 +1.32 +35 (WD)

14.68 +1.10 (2)

7.88 +0.285



20512 03 17 11 +15 06 7.7 dB4

(No)

R 1614 ✓

943 -227 968 -419 24mV77

7.45 -225 962 -444 26.11"

7.44 -226 965 -432 (2)

487 +233 870

7.65 +0.295 2.00"

7.16 +0.205 2.00m77
7.10 +0.300

G5-27 3 15.7 +15 00 1950

7.61 7.04
~~5.17~~ +0.31 160" Run 63
7.42 7.06 +0.28 = 160" Run 63

167.05
+6.00
173.05

493
1.82

7.41 +0.78 +0.35 (4)
15.54 +1.32 +0.38 (4)

65-28 3 16 26 +15 06.5 15.84 +1.32 +0.78

29 Dec 68
20 Sept 69

+1.055
+1.15
+1.70
1.12

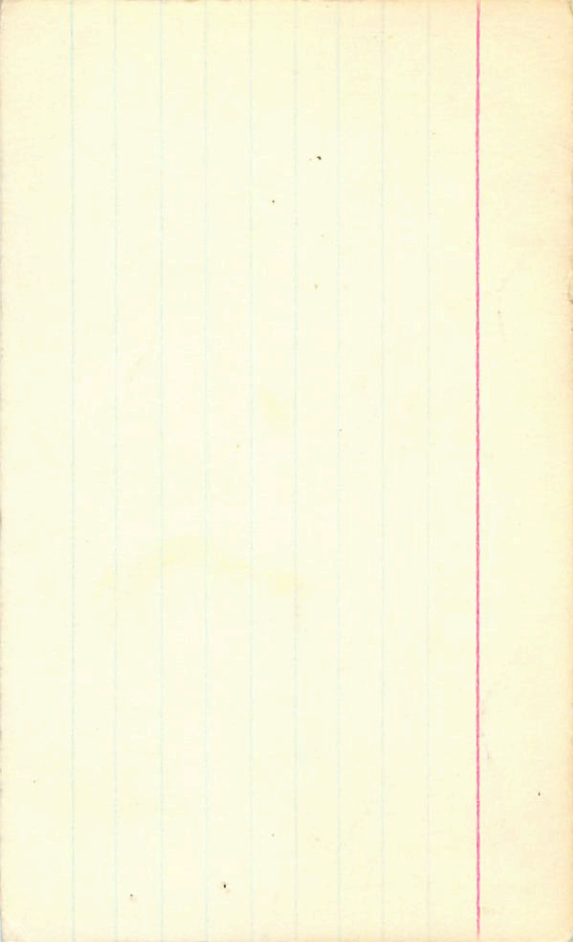
14.07
14.10
14.08

110
89
12.92
11.16
11.16

10.209
9.19

100
14.13
BMB

7.05 + 0.28 (2)



Ushu Bugh

(151 over)

measured by [unclear]

20772 ✓ 03 18 00 -41 14 903 +1.34

✓✓

9.03 +78 1566 -601 23 Dec 78

R

9.07 +82 1568 -580 13 Jan 79

9.06 +85 1563 (+540) 14 Jan 78

9.05 +75 1582 -643 15 Jan 75

~~12/11/78~~

8.40
8.44
8.48
8.52
8.56
9.00
9.04
9.08
9.12
9.16
9.20
9.24
9.28
9.32
9.36
9.40
9.44
9.48
9.52
9.56
10.00
10.04
10.08
10.12
10.16
10.20
10.24
10.28
10.32
10.36
10.40
10.44
10.48
10.52
10.56
11.00
11.04
11.08
11.12
11.16
11.20
11.24
11.28
11.32
11.36
11.40
11.44
11.48
11.52
11.56
12.00

~~1545~~ 193 3 212 -71 ⁵⁷ ~~47~~ 13.4 g 0.24

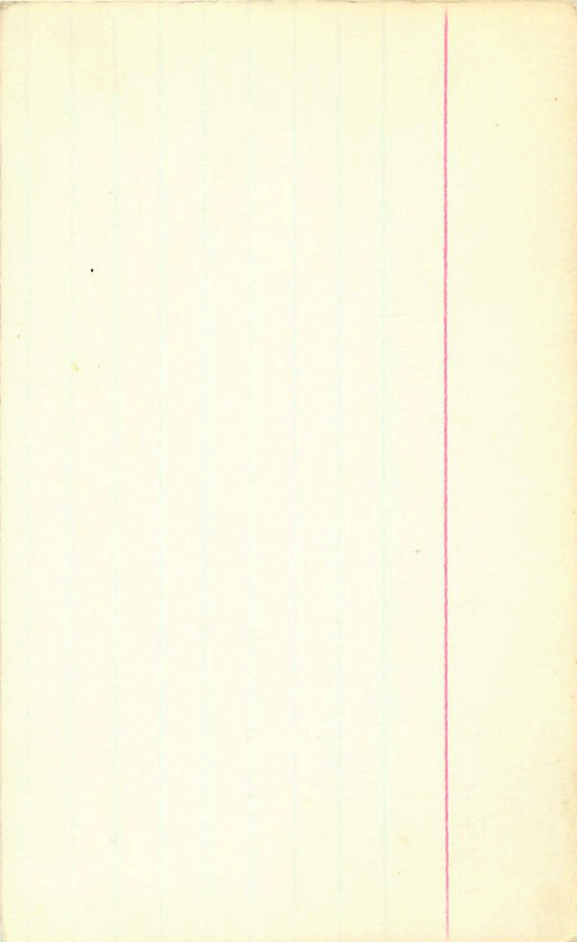
Chart ¹⁹³ 13.53 + 0.45 - 0.24 24 Sept 68

13.69 + 0.48 - 0.20 9 Dec 66 40'

13.71 + 0.48 - 0.22 10 " "

~~13.70 + 0.48 - 0.21~~

13.64 + 0.47 - 0.22



Lat 1607 3 21.2 271 15 13.4g 0.24
g

13.60 10.28 26 Jan 69

✓ R^A B Biophical
21749 26 34 -63 34 81 +0.2

PROG. 14

(A) photo ✓

✓ 2.50 +0.40 19978

8.11 88 1379-596 14548 ✓ 2.46
8.11 88 1341-552 21 7.48

8.09 88 1387-547 23880
8.08 88 1324-537 24 " "
8.10 86 1335-545

399 large

634573362 opt 9.40 10.17P 15425

1664²

21749

3 26 35 -13 34.5

1740 + 400

8.1.11.2

1.180

257

Neophytis

8.53

1.105

962 - 042

22 Oct 86

*9

~~1243~~

1243

-18

(NO)

1265

124

1229 1343 -139

1229 -15

1560

1130 1239 045

(H56)

03

27

22

-43

44 65 III

HT 3579

A

8.72 + 286 200.77

8.76 + 261 4.14

8.9 - 10.6 17"

BAZ?

200.77
200.77
200.77

RR

9.04 - 172

9.06 - 182

1031 - 545

1039 - 500

26" 98
26" 98

26" 98

RR

11.46 + 169 200.77
11.48 + 172.4 358

111 441

8.76 + 287 300
8.76 + 287 300
8.74 + 287 300

8.76 + 287 300
8.76 + 287 300
8.74 + 287 300

B

11.61 - 323
11.59 - 321

111 441

26 200.77 40"

26 200.77 40"

HT 3579

A

11.61 - 323
11.59 - 321
11.61 - 369
11.56 - 382

111 441

26 200.77 40"

26 200.77 40"

HT 3579

B

11.61 - 323
11.59 - 321
11.61 - 369
11.56 - 382

111 441

26 200.77 40"

26 200.77 40"

RR

11.61 - 323
11.59 - 321
11.61 - 369
11.56 - 382

111 441

26 200.77 40"

26 200.77 40"

RR

11.61 - 323
11.59 - 321
11.61 - 369
11.56 - 382

111 441

26 200.77 40"

26 200.77 40"

10003 1004 YTC

HS 3579

46

$$A \quad 9.04 \quad -774 \quad 1014 \quad -575 \quad 16493$$

$$9.05 \quad -177 \quad 1030 \quad -520 \quad (2)$$

$$9.07 \quad -195 \quad 1023 \quad -511 \quad 36410$$

$$\underline{9.05} \quad -192 \quad \underline{1022} \quad -512 \quad (3)$$

$$B \quad 11.61 \quad -372 \quad 834 \quad -465 \quad 2.130 \quad 10483$$

$$11.56 \quad -382 \quad 809 \quad -455$$

$$\underline{11.63} \quad -375 \quad \underline{843} \quad -485 \quad 2.141 \quad 20445$$

$$\underline{11.60} \quad -376 \quad \underline{839} \quad -468 \quad 2.126 \quad (3)$$

✓ +1 RV New Hamp Ft * opened 45" S 110

M6U 032630 -63 38 8.09 110

2.7.44

8.14 +1125 +1.075 106ent 23

7.42 +0.455 136ent 2

7.34 +0.42 12 July 77

+0.47 22 July 77

208

1832 -549 17 July 77 151

1374 -554 19 July 77 142

1320 -562 20 July 77 143

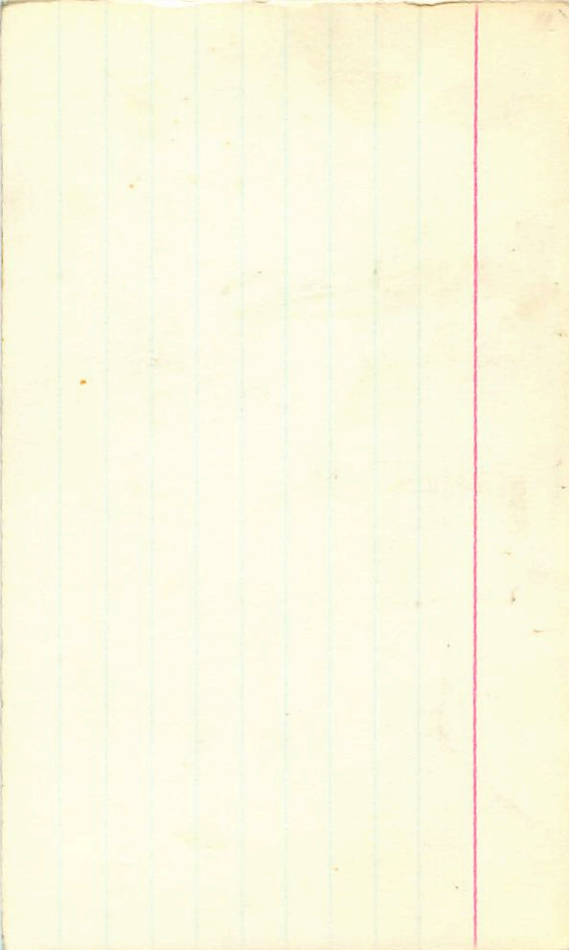
1340 564

910

8.03 -82

8.07 -96

8.05 -91



f →

(X)

alm 25

Wahm 1892

03 25 29 +23 42 10.83 +53

85-36 ✓

10.72 -248 +775 -504 2470075

10.78 -319 +773 -489 2570075

10.75 -308 +774 -456

-533

062

57

10.61 +0.245 2670075

10.70 +0.225 3070075

10.65 +0.235

G5-36



21543 ✓

03 27 20 -06 36 8.26

✓ BV ✓ (2+6)

384

(In red) 8.24 -330 798 -560 22 Nov 77 40'

8.23 -316

884 -540 24 " "

8.24 -318
8.24 -322
376.0

886 -578 2.116 10 Dec 79
889 -560 2.120
2.118 (2.545)

8.04 10.25 2.5 Oct 76
8.00 10.25 4 Sept 76

~~8.03 10.25 2.4 Dec 77~~

~~8.05 10.25 2.3 Dec 77~~

~~8.07 10.25 2.2 Dec 77~~
~~8.08 10.25 2.1 Dec 77~~

8.03 10.22 2.4 Dec 77
8.05 10.22 2.4 Dec
8.09 10.23 2.3 Dec 77 ✓

LTT 1679

3

31.3

-52 40

16.3 k 0.45

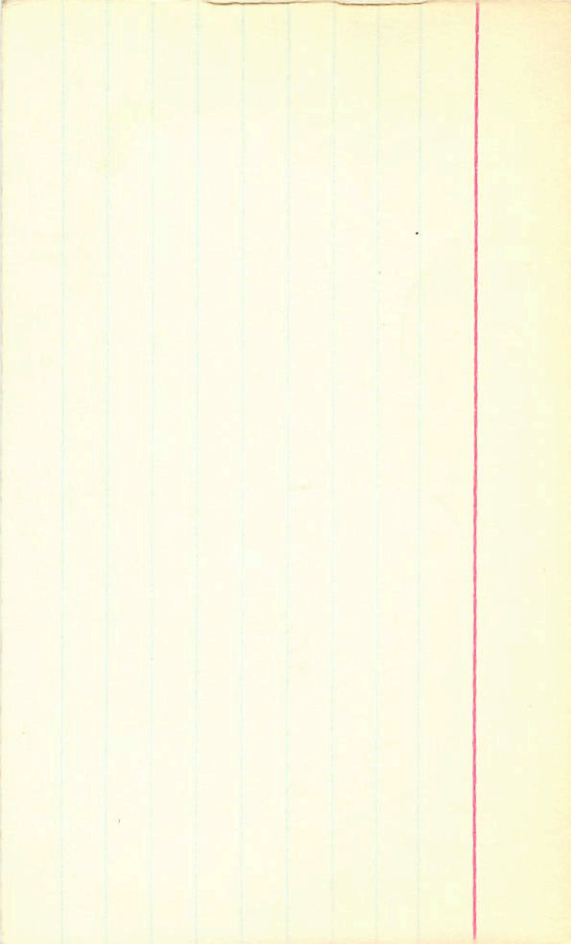
1458

+0.11 26 Jan 69

LTT 1679 3 31.3 -52 40 143 h 0.45

check 15.04 +0.69 +0.06 24 Sept 65
(14.92 +0.90 +0.38 20 Dec 67)
14.93 +0.76 +0.28 1 Jan 68
14.92 +0.72 +0.32 30 Jan 68
~~14.92 +0.74 +0.30~~

14.98 +0.72 +0.22



33072 3 31 30 -00 35 8-0 GSTE

(64) 8.13 +0.348 19 Jan 78

21916 ←

~~21916~~ +064 +062

+10⁰454

3 3125 +10 40

8.6

F9B

(X) (X)

+64.1 (A2)

3
+10.6

8.51 - 362 864 - 455 2141.16 (A2)

+068

8.52 - 360 862 - 454 2146 216 (A2)

+060

8.52 - 361 863 - 454 2142 ✓

39

124

2.500
10.600
68.000
60.000
3.900
60
64.000

0.478
0.340
0.810
248.304
66.778

10.665
0.742
0.081
0.443
0.187

0.574
0.577
10.581
345.836
10.371

22413 My + 27

850

2233 215712

982-488 945-231 2.225 24642

883-504 947-229 2.246 25642

882-466 846-230 2.235

3.55
-2.95

0.203 123 687 2.228

+15
-120

194 646

84
85

217 237 848

98 32 199



1900
1901
1902
1903
1904
1905
1906
1907
1908
1909
1910

1911
1912
1913
1914
1915
1916
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1918
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1920

1921
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1926
1927
1928
1929
1930

1931
1932
1933
1934
1935

1936
1937
1938
1939
1940

1941
1942
1943
1944
1945

3.550
- 28.500
195.000
- 120.000
5.000
145
35.000

0.469
0.770
0.419
- 61.810
5.733

- 0.664
0.623
- 0.413
- 893.845
- 143.666

0.582
0.885
- 0.888
424.938
33.127

22413 03 34 00 -28 26

8.82 + 0.31 - 0.08 ^{RS}

224169

8.81 + 0.31 - 0.01

~~8.81 + 0.31 - 0.01~~

3012169

8.82 + 0.28 - 0.04

8.82 + 0.30 - 0.025

8.86 + 0.29 - 0.055 ⁵

8.82 + 0.295 - 0.025 ⁽²⁾

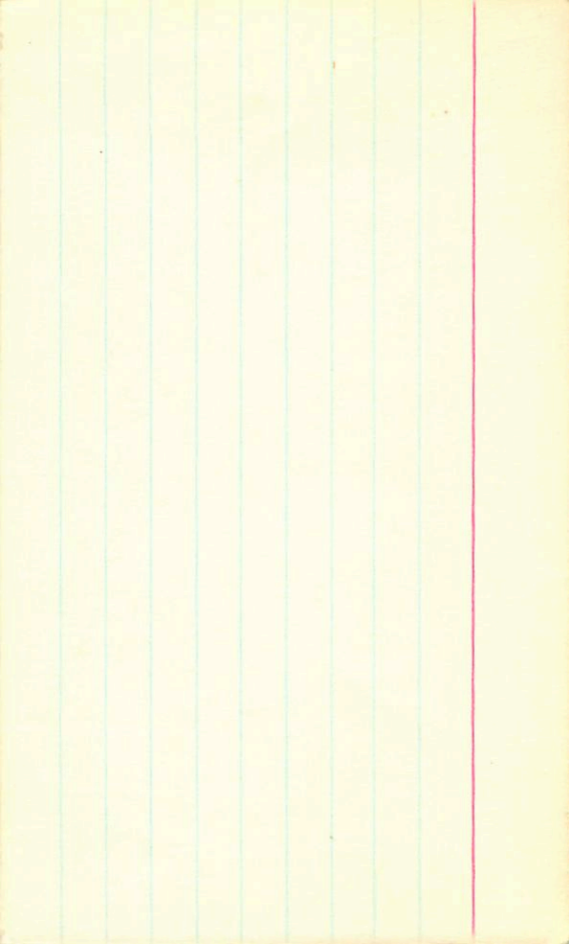
8.79 + 0.31 + 0.024 4599

~~8.82 + 0.31 - 0.08 85~~

8.82 + 0.31 + 0.04 6046

8.81 + 0.31 + ~~0.01~~

-0.1



HD22413

3

33.3

-28

30

8.6 A3

-28°1205

TT

1695

0.21 1250

8.79 +0.32 +0.02

8.81 +0.29 +0.0259lect64

8.80 +0.305 +0.03-19lect

8.80 +0.30 +0.015

8.78 +0.315 +0.05 } 16lect

8.75 +0.30 = 0.00

8.79 +0.30 70.02 ✓

Mean

$$\rho = +36.3$$

$$+35.23$$

$$\textcircled{+36.35}$$

2 Jan 47

8.78

630

1270

$$(b-y)' = +0.033$$

254

$$m_1 = +0.3856, \mu = -1.016$$



AGU

3 34 35 -28 24

Don ✓

3 34 06 -28 26 8.85
+0.25

1-10 22413

54880 212 149 596 (2) 1112

8.81 +0.184 +0.162 +0.627 2-727 4 Jan 71

879 185 156 951 616 2-726 2-26-72

11 7.0 11.7 158 159 951 2.737
188 159 951 2.731
2.737
2.731

8.86 +0.29 -0.55 28 10 475

109 Bnd St 561.2
" SE 081.2

Average 211.2

109 Bnd St 561.2
" SE 081.2
(2.11.2)

~~582~~ - ~~298~~ = ~~284~~ = 591.8
582 - 298 = 284 = 799.8
798 - 582 = 216 = 697.8

688 - 168 = 520 = 997.8

505 - 588 = 85 = 22.01
505 - 588 = 85 = 22.01
505 - 588 = 85 = 22.01

" 09 Bnd St 541.2
" SE 051.2

Average 121.2

09 Bnd St 521.2
" SE 051.2

075 - 058 = 17 = 22.01
105 - 588 = 483 = 17.01
105 - 588 = 483 = 17.01

10-588 510.1 - 11-575 - 10-240 34 45

240 - 588 = 348 = 02.01
240 - 588 = 348 = 02.01

10-240 588 34 45

348 - 588 = 240 = 02.01
348 - 588 = 240 = 02.01

10-240 588 34 45

348 - 588 = 240 = 02.01
348 - 588 = 240 = 02.01

bklet

40.22794 ✓
 -75.0235 ✓
 -25.0250

0 80 48 -75 18
 3 33 15 -75 17 -75 17.5
 " (3 33 15 -75 17 8.16-42-F3 15 15
 10 (3 33 45 -75 11.5 10.15+55 60

Do 3 of both

8.64 -431 877 -391 2.150 22.20079
 8.63 -425 881 -391 2.156 12.20079
 8.63 -425 865 -405 2.179 21.20079
~~8.63 -427 878~~ -396 2.178

10.20 -363 876 -502 2.153 21.20079
 10.22 -362 887 -502 2.151 22.20079
 10.21 -362 882 -502 2.142

3 24.2 -68 44
~~44~~

8-2 = 202
m₁ = 182
+062 +098 = 4675

-69° 199 3 34.0 -68 87 9.1 110

-69° 197 3 33.8 -69 11 9.3 F5 +080 +097

L0596 Δ 3 24.6 -68 30 11.9 } 685"
B 3 23.8 -68 20 12.4 } mp

9.04 +0.82 +0.39 23 Oct 67
9.13 +0.83 +0.41 25 "
9.12 +0.625 +0.40

63
22 Nov 27 Nov

9.09 +0.32 +0.04 23 Oct 67
9.28 +0.33 +0.04 25
9.28 +0.325 +0.04
10.77 +0.50 -0.21 26 Oct 67
10.84 +0.50 -0.17 25
+0.50 +0.19

(-4)' = +0.34 +0.006
M₁' = +0.387 +0.418
C₁' = -0.951 -0.970
V_F = - 9.29

11.11 +0.88 +0.52 23 Oct 67 / 11.18 +0.87 +0.505
11.20 +0.86 +0.49 23 Oct 67

-750238 3 33.6 -75 15

1467

-756240 3 33.9 -75 14.1

22625 ✓✓ 3 33 30 -69 05 928-2270 I

22700 3 34 12 -68 46 904-2278 IV

AB + 22625 9.22 -446 894 -185 2.243 22700 79

9.24 -483 886 202 2.244 14200 79

PI + 22700 9.27 -502 906 -215 2.241 21200 79

9.23 -444 898 200 2.243

9.14 -216 982 -358 22200 79

9.13 -218 980 -407 14200 79

9.13 -211 963 -408 21200 79

9.13 -218 980 -404 8.74 + 0.274 16 2279

8.81 + 0.274 18 "

8.74 + 0.274 20 "

8.80 + 0.274 20 "

