

Revised.

IR 7510

19 45 10 -54 27 1965

5.34 +0.20 +0.15 3 Aug 67 5.5 Am

5.36 +0.22 +0.14 4 " "

4m

19

45 06

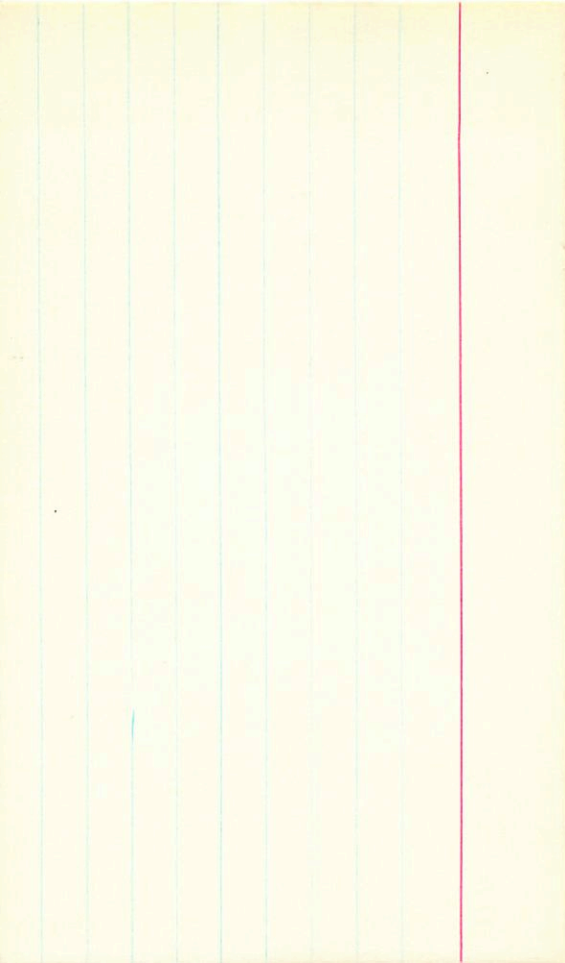
-54 25.5 1945

9.18 6-8

x

9.32 +0.89 +0.55 3 Aug 67

9.34 +0.91 +0.54 4 Aug 67



V1643 Soy 19 43 28 -40 59.5 8.679  
30 -41 01 118-12.1

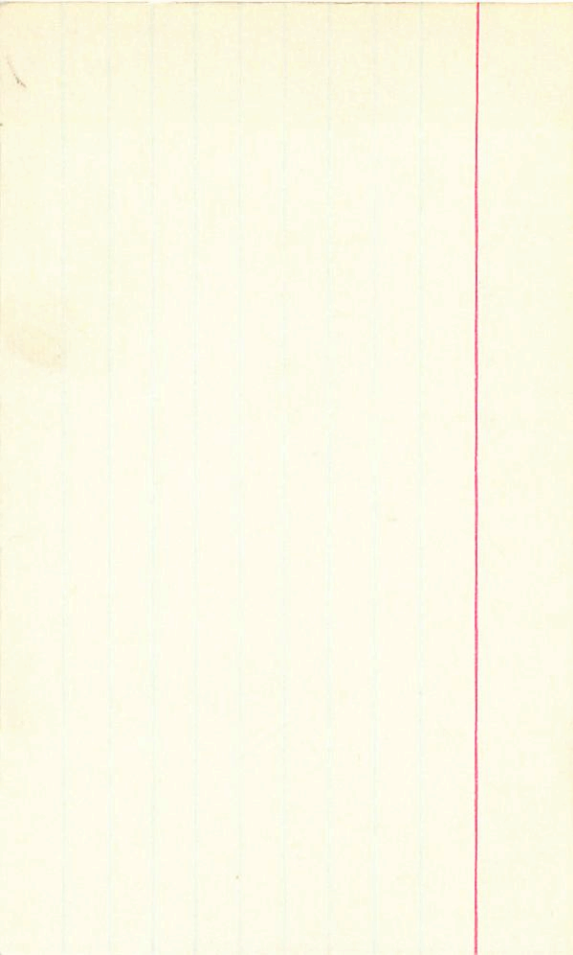
~~Quibby RTR~~

d<sub>34</sub>  
0.34

12.04 +0.215 +0.17 96.867

~~Quibby~~ RTR

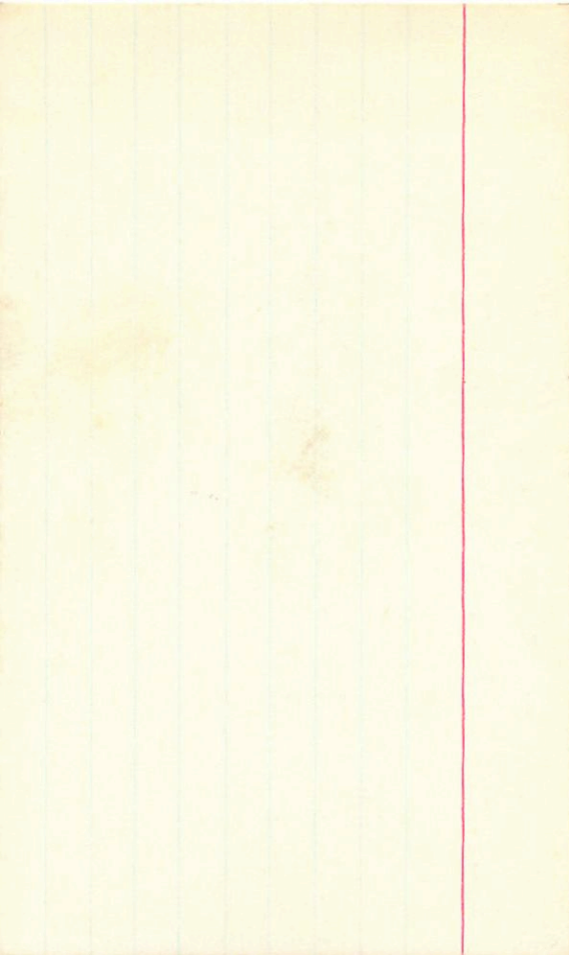
RTR



→ 31.36 -67 14 0.13  
L114-353 19 30.1 -67 16 13.9 +0.18

1 Moreland

~~13.90 +0.52 +0.26 2 July 62~~  
13.88 70.46 -0.15 29 Sept 67



1777829 19 48 00<sup>24</sup> - 59 15<sup>15</sup> 115 15.1  
61 5.51 5.51 1269 085 1520  
61 46.6 - 59 15 1269 085 1520

✓

Aspirin

145

HOPE

19 44 44 47 06.8 1900

✓  
✓

19 48.4 46 59 1950

19 49 34 46 57  
HS

←

7.9-8.6 7.8-7.6  
FA 089 HZ

8.3





H0294

✓

L B

19.

15.

20

11/1

92

L 80-79  
79-751

BPM 12772

19:43.2-72:04

15.8 "14

50 ✓ 5/13

19 57 58 -71 55.5

7 14.9 70.5 (1700)

181740.60-022

80-79

→ 20 08 13<sup>10</sup> -21 52.5 ~~52.5~~  
24 57.1  
20 07.3 -21 55 14.4 + 0.29

7983

710-80

~~W~~ ○

W

HR7644

→ 20 02 12 - 67 24 8

LFT 1512

20 00.6 - 67 27 6765 1.08

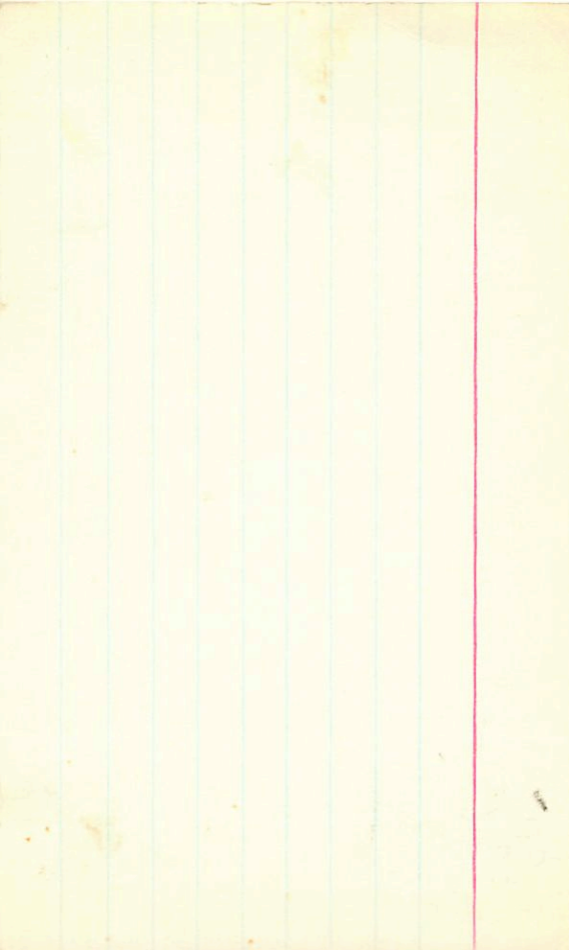
-670 2385

3703

✓

XX

1.08



→ 20 03 56 - 57 16 2- 0.12  
19 58.6 - 57 28 12.3 MP 75"  
13.5

✓

265-69 204-90

265-68 -63

↑  
↓





LTT7875 19 54 ~~33~~ 53 -71 29 0.22  
19 53.2 -71 31 144a

check

237 = 352 7.8 0.24 109

300 = LTT 453 11.0 g 0.28 116

141 = LTT 247 10.2 & 50.32 111 115 26 109

118 = 109 9.065 0.26 109 0 300 28 116

LTT 191/52 15.8 m 0.33 107

15.0 m

242 13.2 0.23 100

255 14.5 m 6.22 126

345 14.2 hr 0.32 123

7927  
349-81

→ 20 01 45<sup>40</sup> - 48 47<sup>45</sup>  
20 00.5 - 48 50 13.3 ± 0.21

⊙

. . ✓

know

April U.S.

1246 + 0.45 - 0.37

→ 20 08 59<sup>6</sup> -30 19.5 16.3  
7987 20 07.9 -30 22 12.3 2 0.44

565-18



✓✓✓

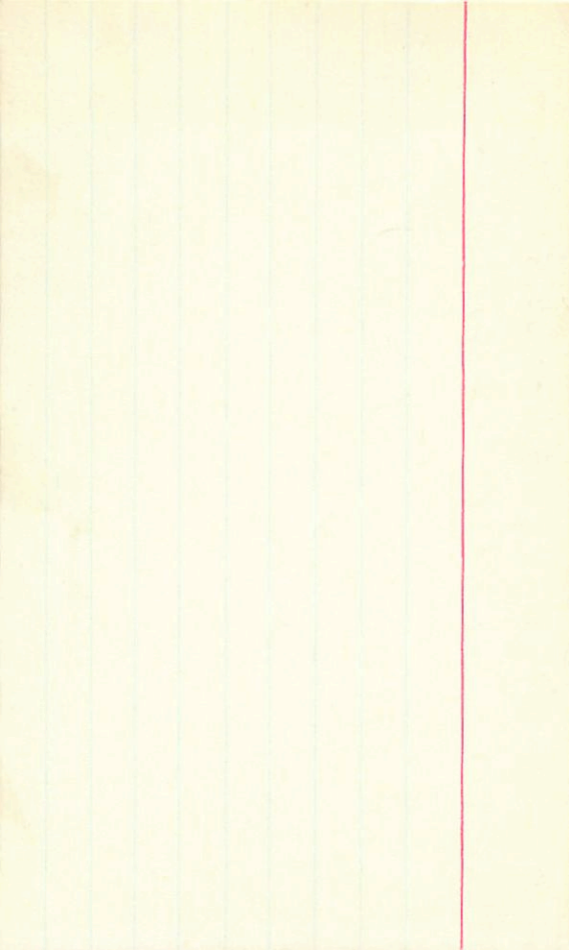
improvement  
White dwarf

→ 20 09 09 -52 18.5<sup>5.5°</sup> M=0.24  
L277-125 20 08.0 -52 21 11.9 +0.16

---

11.91 +0.52 -0.25 26 Sept  
67  
40°

done ✓



HR7773

20 18 45

-12 52 4.75-0.05

V J V

55"  $\Sigma$  11.8

210°



12.96 +0.44 +0.28

12.94 +0.61 +0.03

12.94 +0.63 +0.24

6 July 67

20 Sept 67

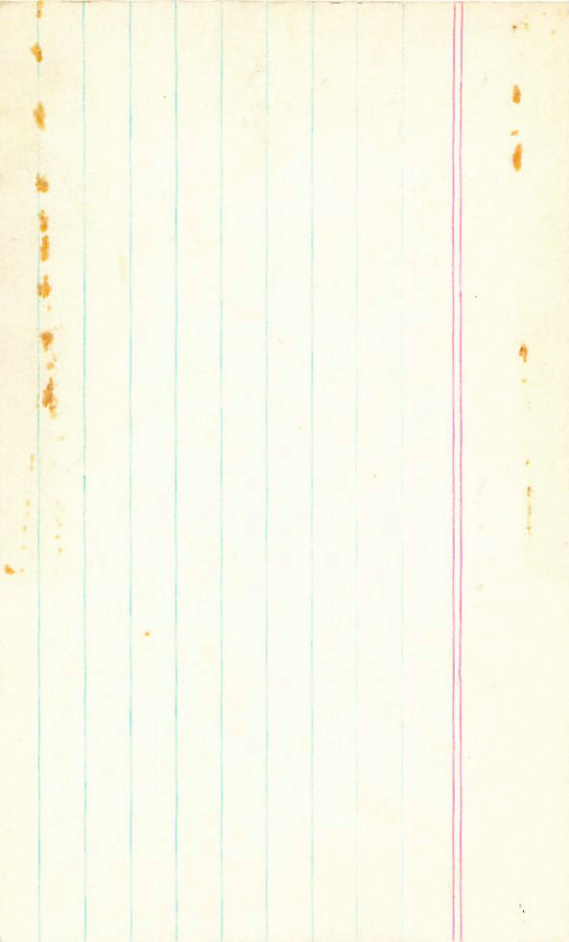
29 Sept 67

6 July 67

air

2 Nov

1 Nov





→ 201605 -36 17

8034

20 15.0 -36 20 14.0 f 0.24

494-21

,  
.  
.

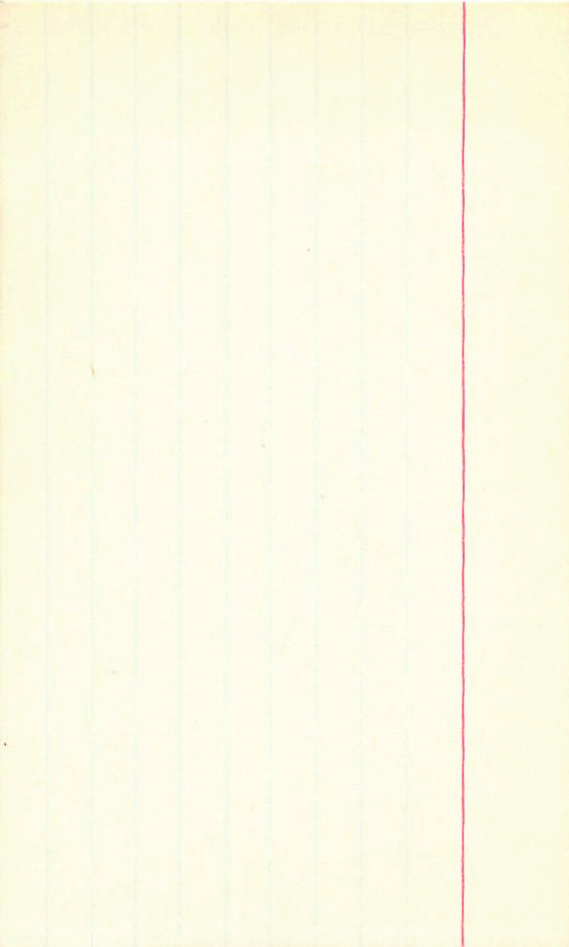
✓

→ 20 16 06 -57 28  $n=0.08$   
L210-114 20 14.9 -57 31 13.4 -0.67

13.72 -0.16 -1.15 29 Sept  
13.74 -0.18 -1.17 28 Sept 67  
~~(12.91 -0.17 -1.03) 27 Sept 67~~  
13.74 -0.18 -1.14 26 Sept 67

MSD

✓  
13.73 -0.18 -1.15



8110  
350-30

→ 20 28 76 -46 30 27  
20 27.1-46 33 13.3 0.30

✓

⊙

~~1 mod~~  
~~Winkelwert~~  
Winkel

210-140

20 19 38

-5-8 28

15.4 + 0.14

Done  $n=0.51$





8115 → 20 28 54 -24 55  
20 27.9 -24 58 12.8 ± 0.33

639-2



8154

→ 20 36 29<sup>39</sup> - 36 56.5

54.7

20 35.4 - 37 00

15.0 a 0.23

495-42

✓✓✓  
· · ·  
· · ·  
· · ·  
· · ·



LTT 8148

20 35  
34 39

09.3

-53 13 13.8

0.20

✓✓

14.44 - 0.04 - 0.94 9 munge 7

14.50 - 0.05 - 0.91 10 " "

14.38 - 0.06 - 0.96 11 "

14.46 - 0.05 - 0.94



8164

→ 20 37

~~19~~ 19

-6 35.5

32/5

R763

20 36.4

-4 39

130 f 0.33

927-17

⋮

⋮

✓✓✓

↑

✓

700  
40-130

done

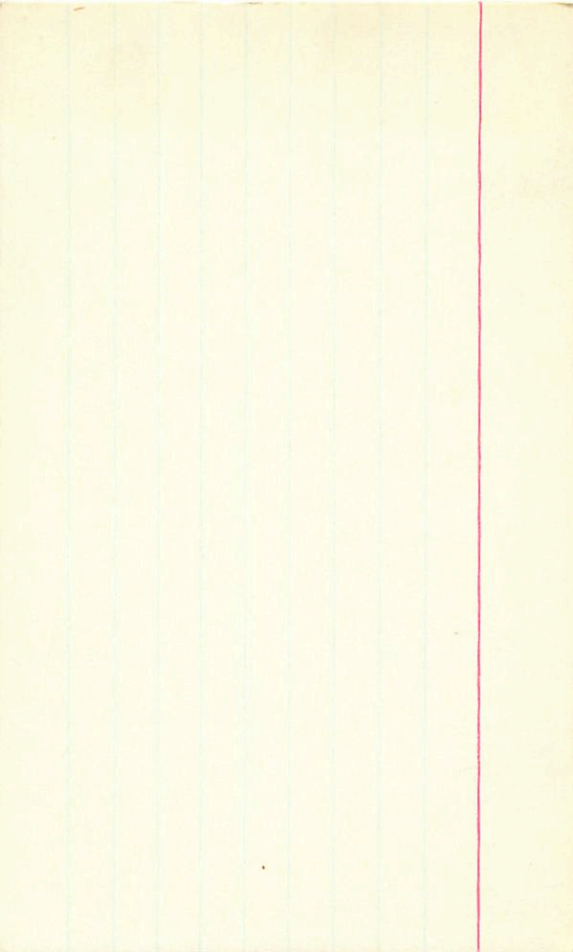
100

LT 818182 20 39 38 -32 33.5 13.0 34''  
100 34''

100

LT 8214 20 42 52 -31 28 8.4 N5E

~~100~~ /



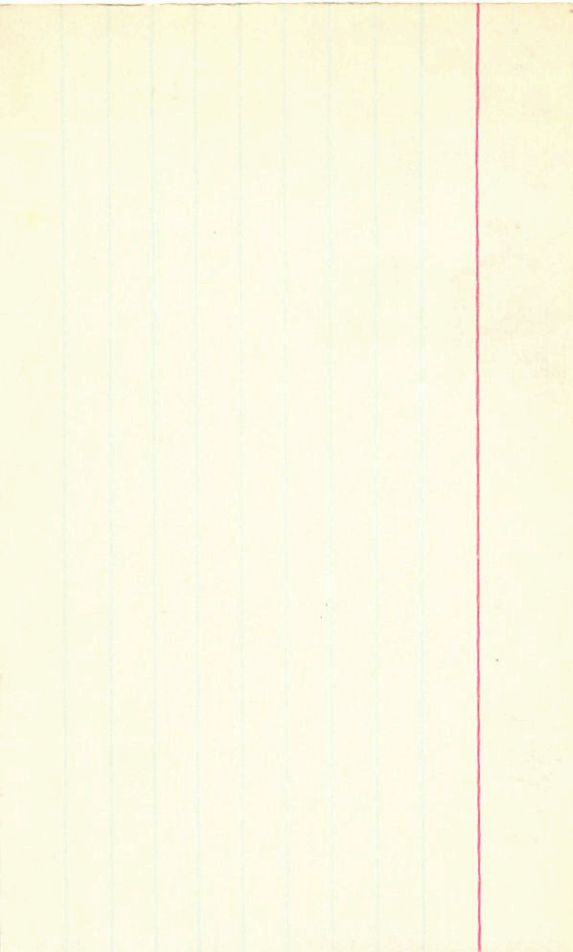
→ 20 40 30 -20 16.5 11.5  
8189 20 394 -20 15 11.6 DA 0.33  
10.5 days

S

⊙

✓

12.34 -0.07 -0.83 9 Oct 67



LTT 8154

20 36<sup>✓</sup> 20 -36 57 15.0<sub>6</sub>

54.5

0.23

✓

15.04	+0.20	-0.57	9 mag 67
14.90	+0.20	-0.55	11 mag
<hr/>	<hr/>	<hr/>	
14.97	+0.20	-0.56	





8198

495-82

→ 20 41 35 -39 09.5 07.4  
20 40.5 -39 13 13.7 2 0.31

→ ∴

✓✓

→ 20 43 00<sup>th</sup> - 72 04.5 ←  
 → 20 41 18 - 72 08 1950

✓ 8.7 AS Van  $N_{\text{A}}^{100\%}$  + 0.66  
 ✓  $N_{\text{B}}$  - 0.20

✓ Van der  
 ✓  $N_{\text{A}}$   
 ✓  $N_{\text{B}}$   
 ✓  $N_{\text{C}}$

✓  $N_{\text{A}}$   
 ✓  $N_{\text{B}}$   
 ✓  $N_{\text{C}}$

✓  $N_{\text{A}}$   
 ✓  $N_{\text{B}}$   
 ✓  $N_{\text{C}}$

✓  $N_{\text{A}}$   
 ✓  $N_{\text{B}}$   
 ✓  $N_{\text{C}}$

14 44 32 -32 02.5

✓553 km

6-25-1 20 44 12 +10 11

1 FT 1564 . 13.76 + 0.87 + 0.37

Suppliment

②

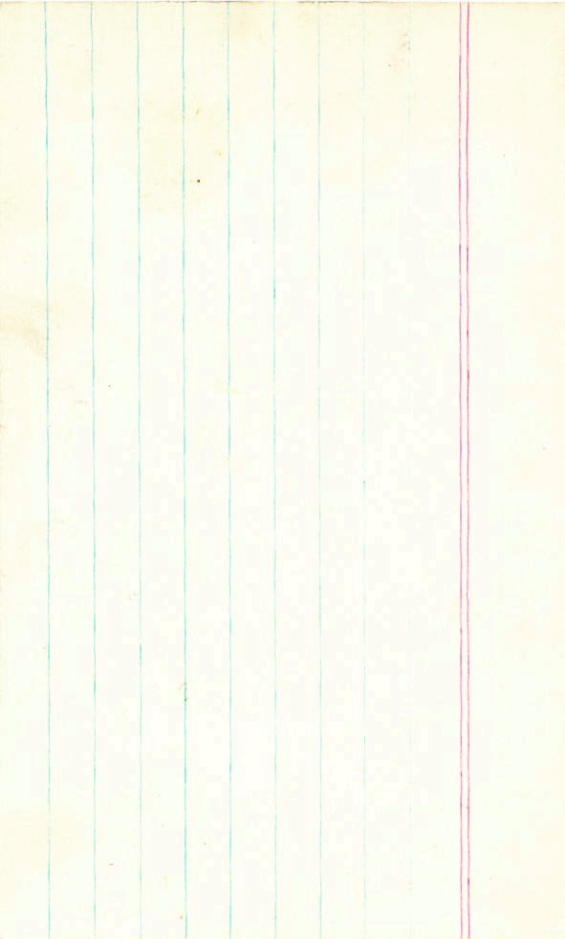
93722 6157-20

LT+8190	20	<sup>48</sup> 54	10	0.25
		41 00	-48 13	<u>13.2 a</u>

1 more

Var?

13.52	+0.09	-0.77	9mg 67
13.54	+0.13	-0.80	11mg 67
<u>13.53</u>	<u>+0.11</u>	<u>-0.78</u>	





24 08.7 0.31  
L77 8198 20 41 30 -39 10 13.7 a

13.85 +0.21 -0.57  
13.89 +0.17 -0.57 9

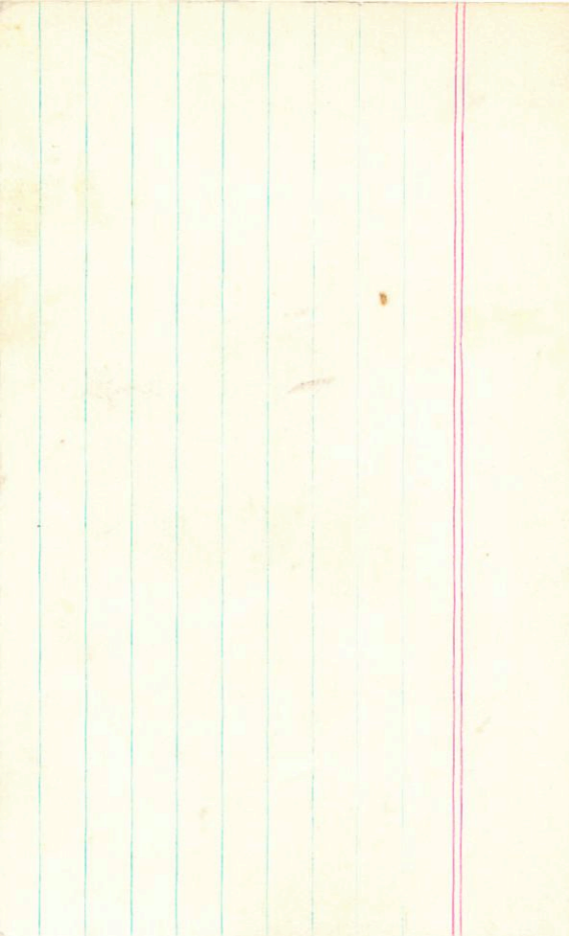
13.88 +0.18 -0.47 mag 10 14 67

~~13.88~~ ~~40.19~~ -0.54

~~13.52~~ ~~40.09~~

now

~~John~~



→ 20 42 51 -66 17  
40 197 92 20 41.5 -66 21 10

~~Handwritten scribble~~

1 mmi

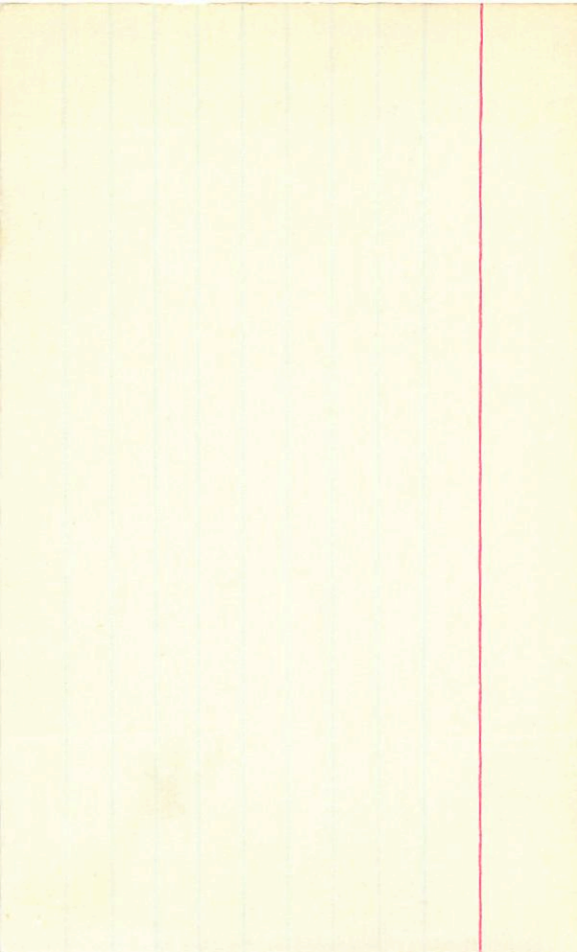
9.24?

~~8.74~~ + 0.87 + 0.54 96267

9.27 + 0.89 + 0.40 23

9.

9.40 + 0.91 + 0.58



→ 20 57 24 -54 46 ← 0.13  
↳ 5730 20 52.4 -55 00 12.3 MP 33"  
140

27127 280-113 .13 121<sup>0</sup>  
27124 280-114 .18 123  
.69 99

✓

↓  
•  
•  
•  
↑

13 and 11.5  
~~13 and 11.5~~



BV482

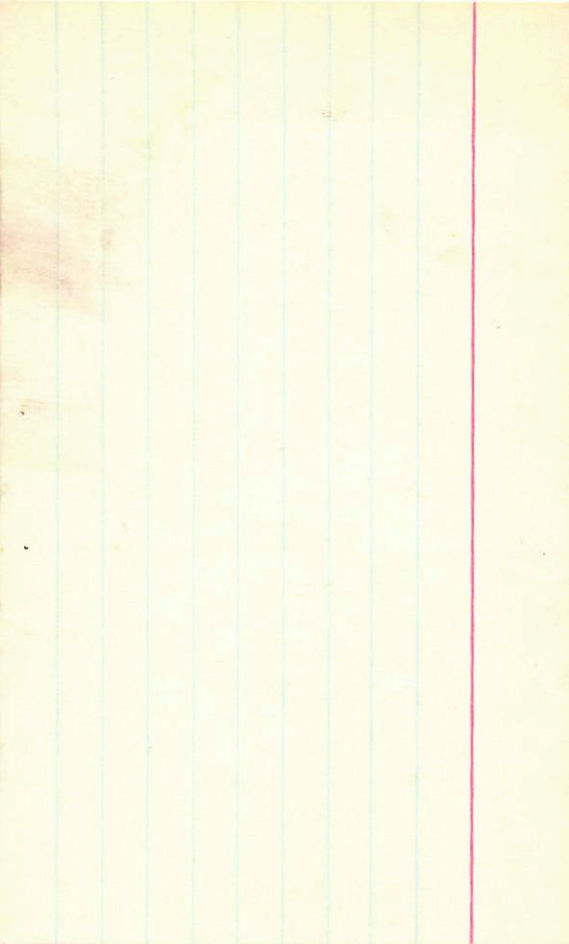
20 53 70 -70 37 1950

HD199055

20 54 36 -70 35.5 ←  
55 27 30.8

7.2 P2 d  
p = 0.950

spin " " {  
N15  
Cpin







LTT8340

21 00 48 -57 05.5

π 038 ± 11

Cape Q

13.9  $\frac{\mu\text{m}}{0.51}$

12.85 +1.65 +1.36 = 15.81

8350 → 21015058-615451  
143-64 2100.5-6158 14.7g 0.25

✓ . . .  
✓ . . .

23.5

20

→ 20 58 06 -31 26

8314 20 57.1 -31 30 14.9 g 0.32

568-22

whs 58 09

842517

·  
·  
·  
·

✓  
✓  
✓

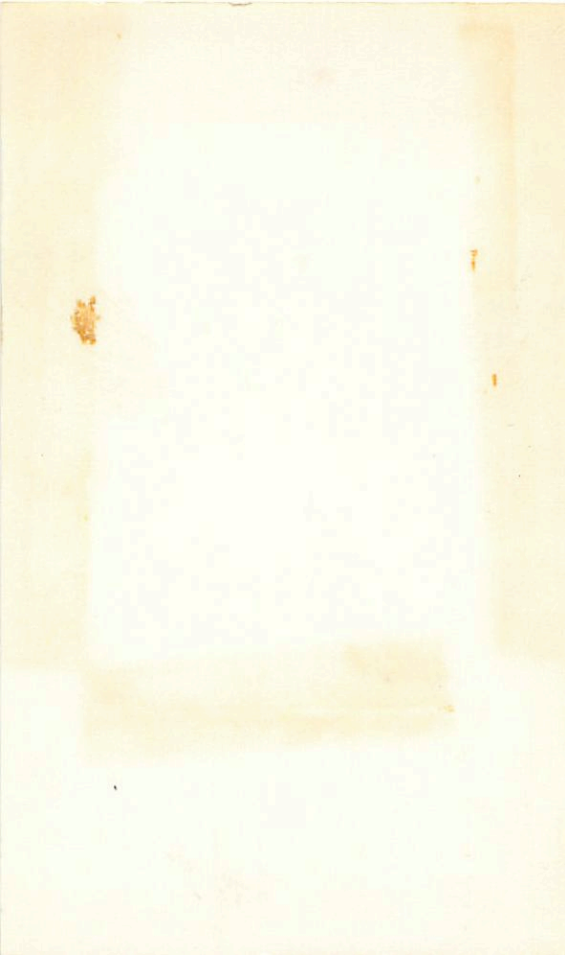
8414      21 10.1 -14 07      13.2 g 0.36

857-54

↑

✓

✓



8399 → 2109 2209 - 72 28 249  
81-49 21 07.7 - 72 32 12.8 50.43

→ . . ,

✓

8298

281-4

→ 21067585-5006303

21057-501014.390.25

✓

o

7°

✓

✓



→ 19 53 22-24 03.57 ←

01.4

15044-24 03.57 ←

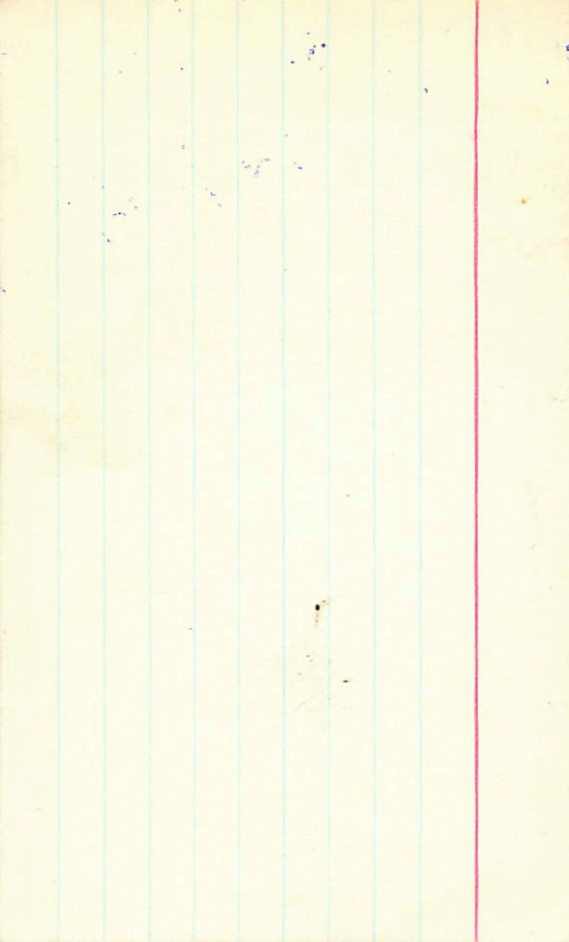
19 49.3 -24 14 1509 9.6 A0

HD 188297

9.6-10.0

$\rho = 0.56$

✓  
✓  
✓  
✓



AD294 19 59 00 -38 41 11 0.8 F2

obs

"

8.1  
8.2

✓

7.71 +0.42 -0.06  
7.73 +0.43 -0.08

2 July 67  
4" "

✓

