

HR1189

3

41.2 -10 39

Am +16.2 6

23281

5.56 +0.22

-0.15 -0.14 66

2062

30 N30

0.019

4460

-0.006 -0.12  
-0.011 0.4 -0.17 ±2.4 66  
com. 2. N30

4783 (2)

822 564 -185 983 -015 -014 +16.2 -003 -3 -066  
012-002-009002 047 -052 +15.9 +9 +13 019

$$\begin{array}{r} +11 +10 -7 \\ \boxed{+7 -5 -15} \end{array}$$

HR 1129

3

41.6

+63

11

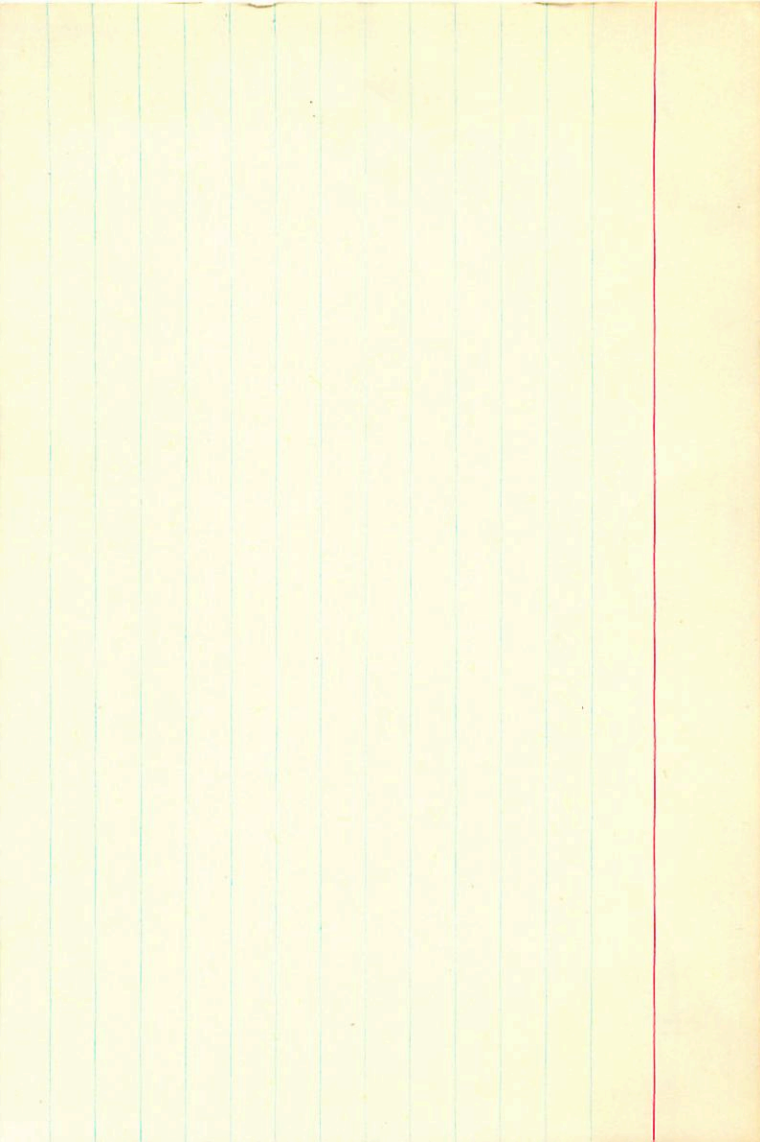
-2.4a

Reperiment?

6047

A32

000 - 009 CC



1708

SS lep 3 41.6 +80 10 -41.2

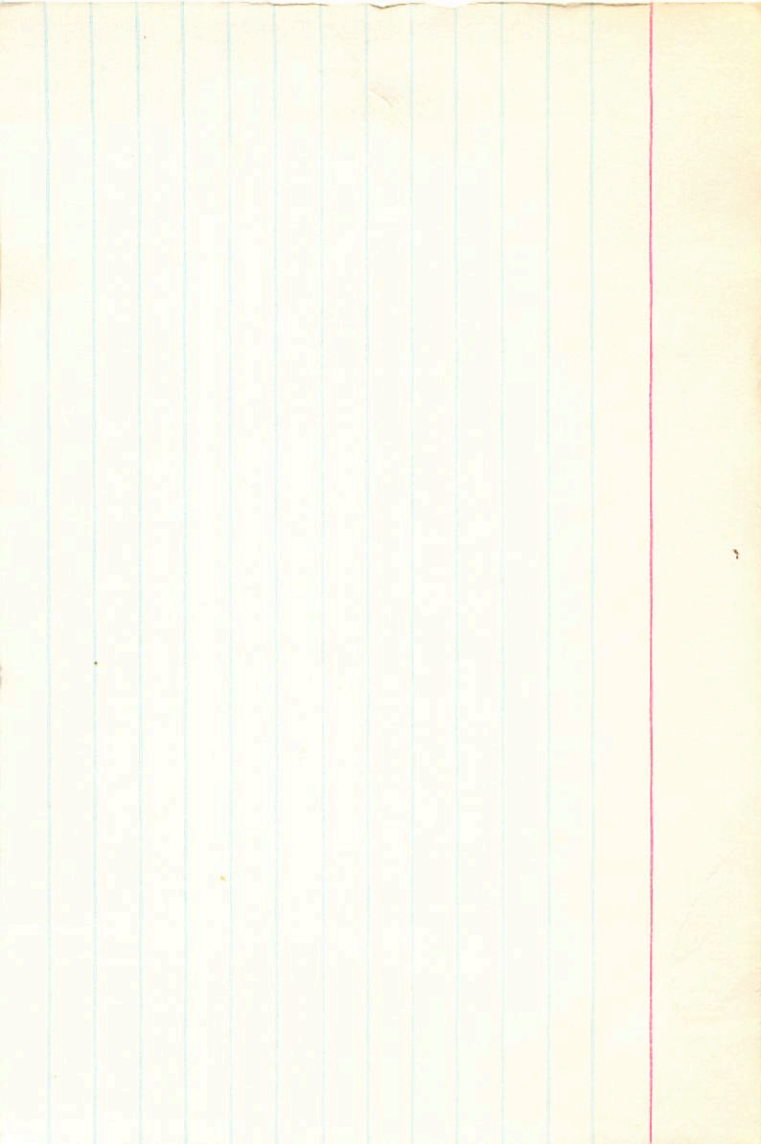
-0021 0  
-0021 +020 L0

+3  
-0018 +020 →

-005 -020

300 m  
-4.3  
-30.7  
-47.8  
-24.8  
-23.4  
-13.9

444 -658 607 +0517  
-662 714 718 -0045  
603 722 340 -0827  
-0106 +0623  
+0157 -0202  
-0143 -0687



4125 PM

3

41.8

+42 25

-12.78

HR1135

3.78 40.42 40.26 FS II

23230

-010 7002 22  
-010 7003 M30

-009 000  
-010 7002

00130 -0017 F1D5

-0011

-00119 F0003 F124

-00140 -0034

-00134 -0038

-0122  
-11

-014 -002  
0175  
-1005  
-1.05

-0154  
-0165 -006

+13

-24

6086 -5884  
-5884 7006  
-9285  
-6899

005 0056  
6.28

39





1130.000\*

3.000\*

41.000\*

42.000\*

25.000\*

-0.014\*

-0.002\*

7.000\*

251.189

-12.700

0.028

Pl. 1140 W ✓ B 47.9 +23 67  
-001 108 647 2.249

423.507 +1 120 → 0178  
604131 -0422 W 150 ~~018-046~~

118 1124  
1124

40180 +1 62  
44 -0422  
5310 0158  
5916 8919  
4423 448-  
0485  
-0042  
+55

40190 -0400  
0079  
5.50

40190 -0400  
4537 4537  
3133 8919

937 4537  
3133 8919

43

R.A. : 3.750  
DEC. : 23.950  
R.A. : 0.000  
DEC. : 0.000  
DISTANCE : 0.000  
MODULUS : 10  
VEL. : 0.000

q1 (U) : 0.429  
q2 (U) : 0.132  
q3 (U) : 0.893  
dU : 0.000  
U : 0.000

q1 (V) : -0.660  
q2 (V) : 0.721  
q3 (V) : 0.210  
dV : 0.000  
V : 0.000

q1 (W) : 0.617  
q2 (W) : 0.680  
q3 (W) : -0.397  
dW : 0.000  
W : 0.000

*40*

23374

3 435 +57

33

-2.2 ~~1.4~~

605 737

40062-076

1058-076

93

76

3.5

-2.2

955 4556 70942  
-6304 9154 8154  
-0885 4880 70166



24

$\pi$  Eri 3 438 -12 15 g m 2 +45.7 g

HR 1162

23614

4.43 +1.65

+047 +061 66

2121

+51 -7 -14 .013

+64 -5 -3 .008



829 560 - 212 977 + 047 + 061 + 457 - 013 - 10 284

- 039 611 026 - 007 - 152 175 444 + 25 + 37

13

+ 13 + 50 + 12

+ 51 - 8 - 13

02

$+0032 \pm 2.6$   
 $+0043$   
 $43.8 - 12$   
 $15$   
 $9$   
 $12$   
 $1895.3$

23614 3 43.8 -12 15 9 12 1895.3

2121 4.43 +1.65

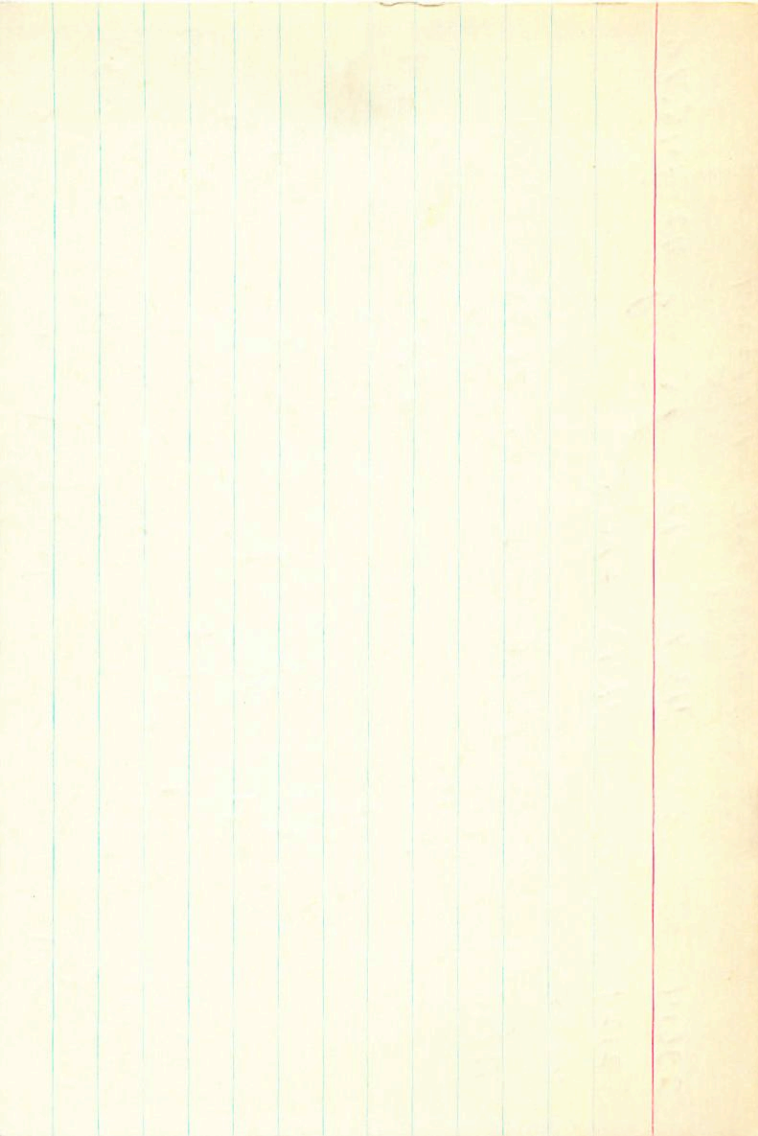
4525

$46.560$   
 $157$   
 $403$   
 $15$   
 $25.95$   
 $1895.3$   
 $-3.34$   
 $29.29$   
 $68.43$   
 $42.78$   
 $26.15$   
 $27.06$   
 $27.23$   
 $+47.6$   
 $26.7$   
 $26.54$   
 $+20$   
 $1939.91$   
 $198$   
 $586$   
 $198$   
 $586$   
 $+163$   
 $35.728$   
 $10.788$   
 $46.516$   
 $530$   
 $+30$   
 $560$   
 $46.553$   
 $.0$

$176w$   
 $11615$   
 $1434.45$   
 $131$   
 $26.43$   
 $26.86$   
 $38.7$   
 $43.4$

$18.252$   
 $28323$   
 $46.575$   
 $+11$   
 $584$   
 $18.86$   
 $5259$   
 $26.217$   
 $26.34$   
 $1941.68$

$1941.68$   
 $1941.68$



+60 -67 46.12  
+61 -55 "  
-2.48

28354 +51.0774 } 43.4 +57 53

+51.977 = 23524  
+50  
+0068 -076.541

26.381 1.7 +0068 11.25 98.5  
-328  
+0073 -093.8 3.51  
+00665 -073 1.516

26.320 +0068 -070.5 128 45.12  
+17

337 +061 1206  
+058.5-073

26.387 198.5 10.74  
+009  
+065

26.387 11.66 46.87  
+009

0931

ND

198.5

-6.3  
+13 wt.  
-49

P

594

6-68 889 172 46  
672 46  
723 34

20 FS  
-000  
-028

23609

720535

20 FS  
-000  
-028

604835

100000  
-000

20 FS  
-000  
-028

0434  
0071  
+224  
0100

7033-029

151142

540-0024

2364 96.8

117  
259

1.49  
2.875

+224  
0100

43.626

37.37

31.67

887 848 441

35.553

1003-030

52.28

5302 -5302  
+206

19.179

1003-030

2.425

+206

187

100003-0281

2.422

+9  
196

0334

2403

24.00

19.098

5794

23.58

+111  
1116

5794

23.58

23626

3 44.7

132 03

+15  
-19

HR1164

GL4546

134  
4  
33  
13

447  
42  
1302

.142 + 44

360 + 715

12.75

45  
6.75  
2.5

516

.134

1.322  
35  
35

.424

451

20 SPL 2.6369CT

-0.30 - 0.47

-18  
-0.25 - 0.47 6-6  
-0.25 - 0.47 7  
-0.25 - 0.47 7

Van Hal

429 006 903

-660 685 309

617 729-298

-0.569 0

+0.976 -1493

+0.819 -1550

-0.569

-0.616

-2409

-3.6

-1.2

+1.2

-YC (nr 22)

-028-01PAC



2852M  
AOS 2265

7052 - 073  
3 Y44 + 57 53

-623  
+13  
-44  
-7.6 (4)  
-3.5 0

+87187

48M  
485  
[18884]  
690 357

+429 -304 +851  
-660 +538 +525  
+617 +789 -030

48M  
485  
092

+1871 -0922  
-2878 -1632  
+2691 -2394

+0949  
-4510

0297 + 8077 -063  
-2

+73 -674  
+0077 -065

+603 -67468  
+1  
+0078 -064

46071 - 076  
47056 - 073  
4052 - 073

+4.6 +3.2  
-2.6 -2.0

4555 4509 10886  
4556 4554 4556  
4524 4524 4524

0173

+071 -063 X



837 547 757 617 +071-063 -3.8 -050 -185  
~~-039~~ -2 -034

-059 042-039 -027 -152 394 -2.3-1 -2 0173

-10 +20-13

[+11 -24 0]

451774 +685 -07  
23284 26371.7 11.25 955

261389 (58.8) 10.94

261384 +7  
384 (4687) 11.26  
11.13

5511 1155 3 44.9 +65 22 8 M1 -3.38

-0.008

4.36 +1.70 H -0.02 -0.04 6.6 →

476

898

5534

476

948

89 1100

429-453 756

-660 404 636

617 772 155

-0.047 +0.004

+0.005 -0.074

-0.059 -0.044

+0.047

-0.011

-0.020

+1.9 -2.5 -0.6

-0.5 -2.1 -2.6

-8.0 -0.5 -8.5

1758  
23523

3 45.2 + 63.08

4560

5.45 + 18 -

new?

-14 ?

24048 AD (Cull) 3 45.2 - 49 1 = 2

10544 + 0064 + 020 85.5 159 534

6.47 275 158 469 (2)

6.4627 2.69 (249) 712

(12X03) 203 6.53 264 124 882 (1) 2.684  
203 259 517 333

→ 3 47 43.64 - 1 40 25.9!

68 } 4.5  
108 }

1034

105 + 0.23

725  
6.50 275 150 510  
(232) 50.5

6848 977H  
71586 2110 1075

0002

+0.06  
0.07 376

?

+0026 551 +02075-4  
+035 25.37 937

$-\frac{422}{.272}$

$-\frac{1.18}{26.50}$

43.77D

62.58

24.14

5

+20  
737

+0072 +0075

+0069 +0266

43.664

5249

+087 +019

R.A. : 3.800  
DEC. : -1.650  
R.A. : 0.000  
DEC. : 0.000  
DISTANCE : 0.000  
MODULUS : 10  
VEL. : 0.000

q1 (U) : 0.419  
q2 (U) : 0.505  
q3 (U) : 0.754  
dU : 0.000  
U : 0.000

q1 (V) : -0.659  
q2 (V) : 0.741  
q3 (V) : -0.131  
dV : 0.000  
V : 0.000

q1 (W) : 0.625  
q2 (W) : 0.442  
q3 (W) : -0.644  
dW : 0.000  
W : 0.000

WZ

FD 248

3 45.0 + 6.8 19

12.0 (1.0)

119

-52

4140. -035

312

93



v(1)

23621 3 45.8 141 39 69 +3Fd

7.4 +05F -145 G

831552 - 880 425 ✓ 1058 - 1115 ✓ +38 - 128 +33 - 327 ✓  
-048 107 032 - 050 152 ✓ 659 +15.0 + 10 +15 ✓



17 4-10-138

-0418

26

488849

-

17

1

44



0.000\*

3.000\*

45.000\*

23.000\*

50.000\*

0.018\*

-0.045\*

5.550\*

123.825

7.000

0.000

0.893

7.287

-0.210

0.209

-25.625

-0.092

-0.390

-14.667

44

V376Pw

1170

3 45.7

+43 44

-15.2 40

GC4572

W2161

+004 +022 GC

+1

+001 +025

+000 +028

-15.0

45



23728

3 45.7 +43 49 FO

HR1170

G-4572

924

1.56  
242  
13

1.179 1.154 .826 ③ SAC 2.743④C<sub>4</sub>

[m] 1.86 +35

190

193

[L] 790  $\frac{153}{196}$  +135

17.1  
16.1  
2

429 -187 985  
-606 445  
775 -140

+0081 -0196

-0125 +0661

+0117 +0445

-0117

+0036

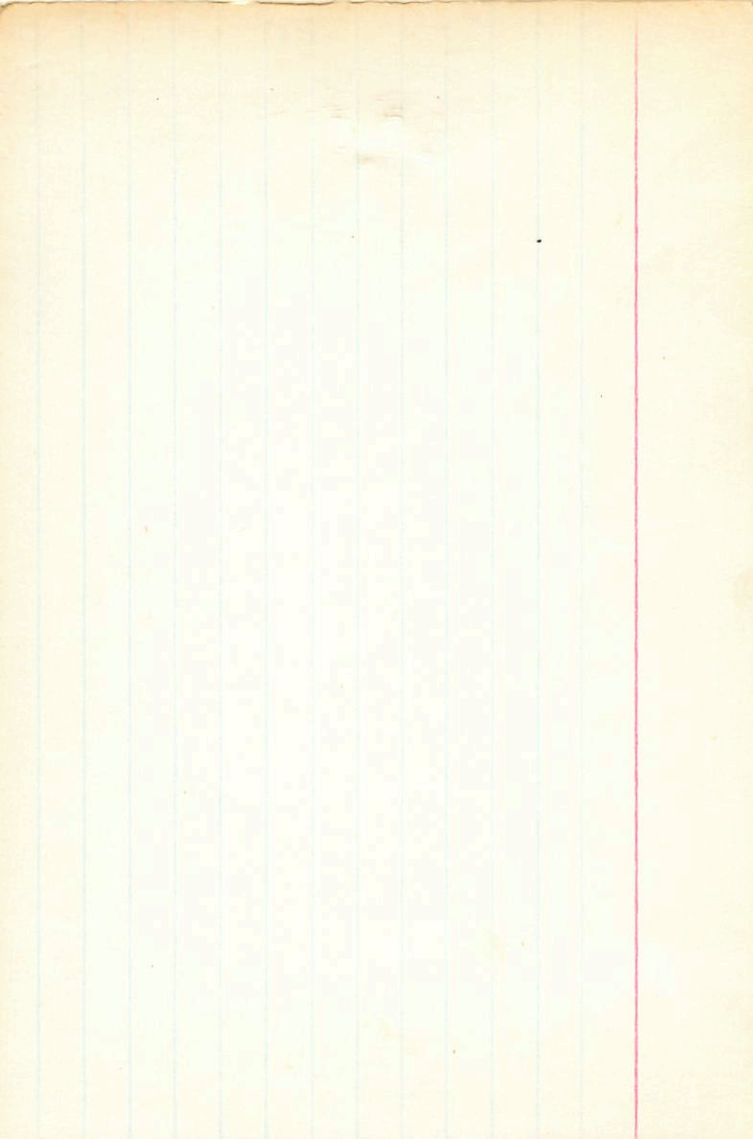
+0462

-14.3

-2.5

+11.0

-132  
-6.6  
+2.1



41  
23841

4574

2165

$+0049 \neq 5.5$   
 $+013 \neq 4.4$   
 $+0051$   
 $+015$   
 3 45.8 709 30 20 910 -80c  
 6.68 +1.21 +1.16 N2 AIR

47.372 1893.7 +9 29 35.90 1888.1

$$\frac{-276}{096}$$

$$\frac{-80}{35.10}$$

+0050 +014

$$\frac{47.258}{283}$$

35.54 1934.1

$$\frac{630}{315}$$

$$\frac{11}{35.65}$$

+0725  
+0774 +013

$$\frac{47.317}{30}$$

35.85 1940.05

$$\frac{30}{340}$$

$$6.69 +1.23 +1.18$$

$$\frac{15}{36.00}$$

$$165 \frac{74.1}{37.0}$$

$$6.03 +0.49$$

$$\frac{35.82}{+7.72}$$

48.9

525  
500  
150  
6.9

46

23841.000\*

3.000\*

45.000\*

9.000\*

30.000\*

0.074\*

0.013\*

6.3

6.900\*

182

239.883

-80.000

0.171

0.834

-36

-25.625

-0.185

0.021

-25

-46.092

46

0.252

-0.552

+90

104.486

ADS2786

-04 Orbit +7.5 (12)

27 Tan (Atlas)

3

46.2

+23

54

+8.58

HR 1178

~~258~~

BF. II

23850

3.62 -0.085 -0.36

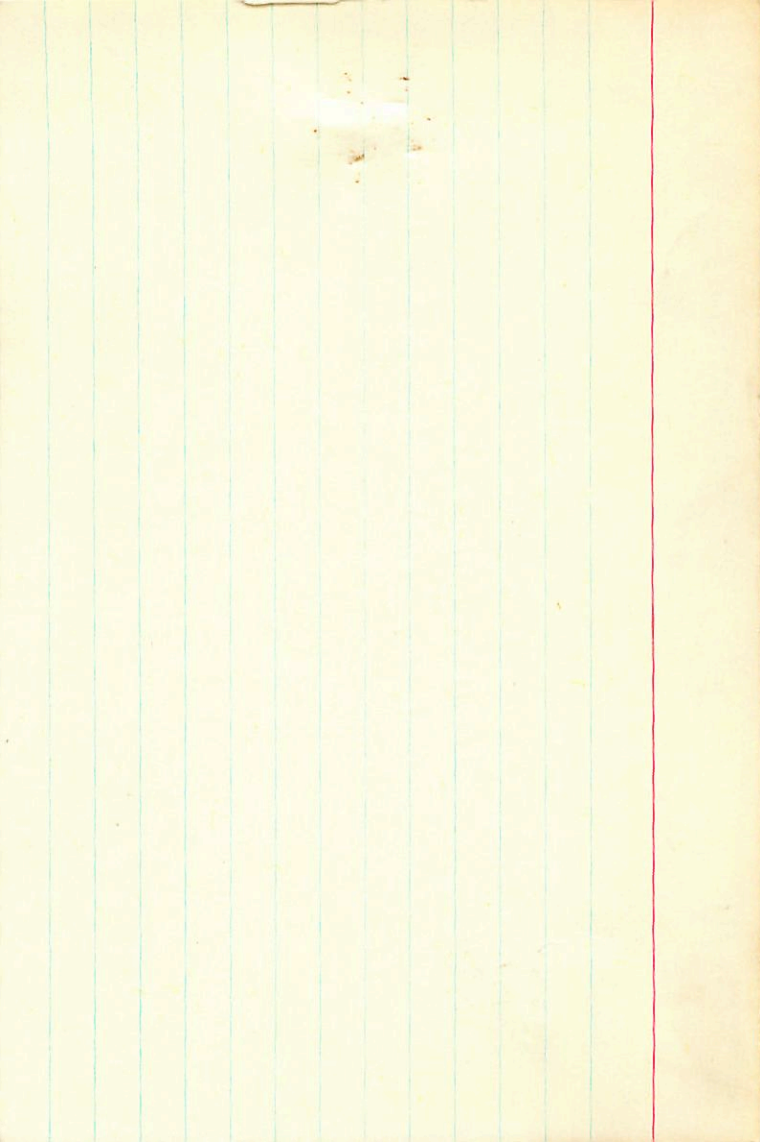
+019 -04560

2171

4584

+0011 <sup>88</sup> -041 N30

+0012 ±0.9 -043 ±1.0 G-1 counter N30







11

11

47

23978 3 46.4 -21 03 6.1 gms

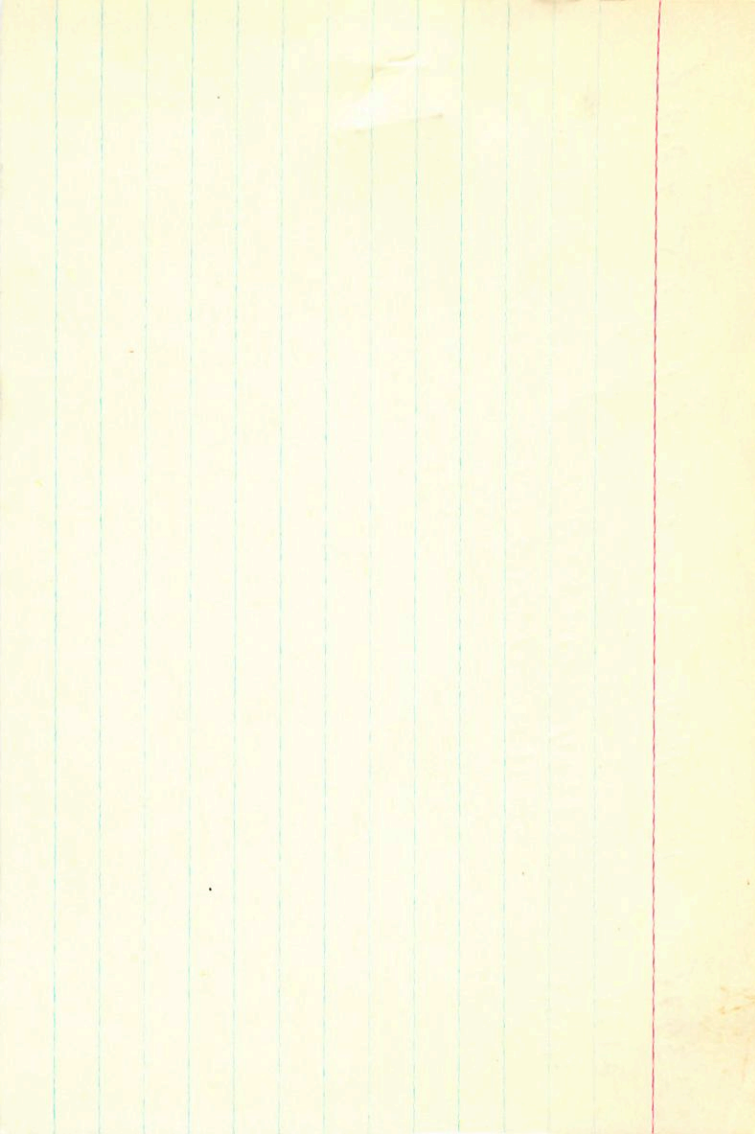
217F

26

4593

-0024 -014 N30

-00 11.7.0 -023 25.7 6L low to N30



HR  
1176

3 46.6

444 49

5.66

905

2393F

02-11-1960

718.4 Orbit

-00354 -0214 W350

-0377

+153

420-4500

2.8

11 8 4

0.495 0.256 443 2562

445 1184

051 [0-12] 850

48

3.750  
44.800  
- 55.000  
- 24.000  
2.800  
36  
15.500

0.429  
- 0.194  
0.882  
- 57.271  
11.592

- 0.660  
0.599  
0.453  
53.893  
0.982

0.617  
0.777  
- 0.129  
- 202.426  
- 9.347

48

118/ 3 45.5 - 24 02

23878

(+11)

4566

5.23 + 0.07 = C

Sta?

new?

5.21 033 164 1.185 2.917 1,617,412

726.55<sup>v</sup>

340

170

a = 0.78

1.179 ✓

1.519

4069

n = 0.61<sup>v</sup>

+0032 - 4050

1.580

1.98

+0.95

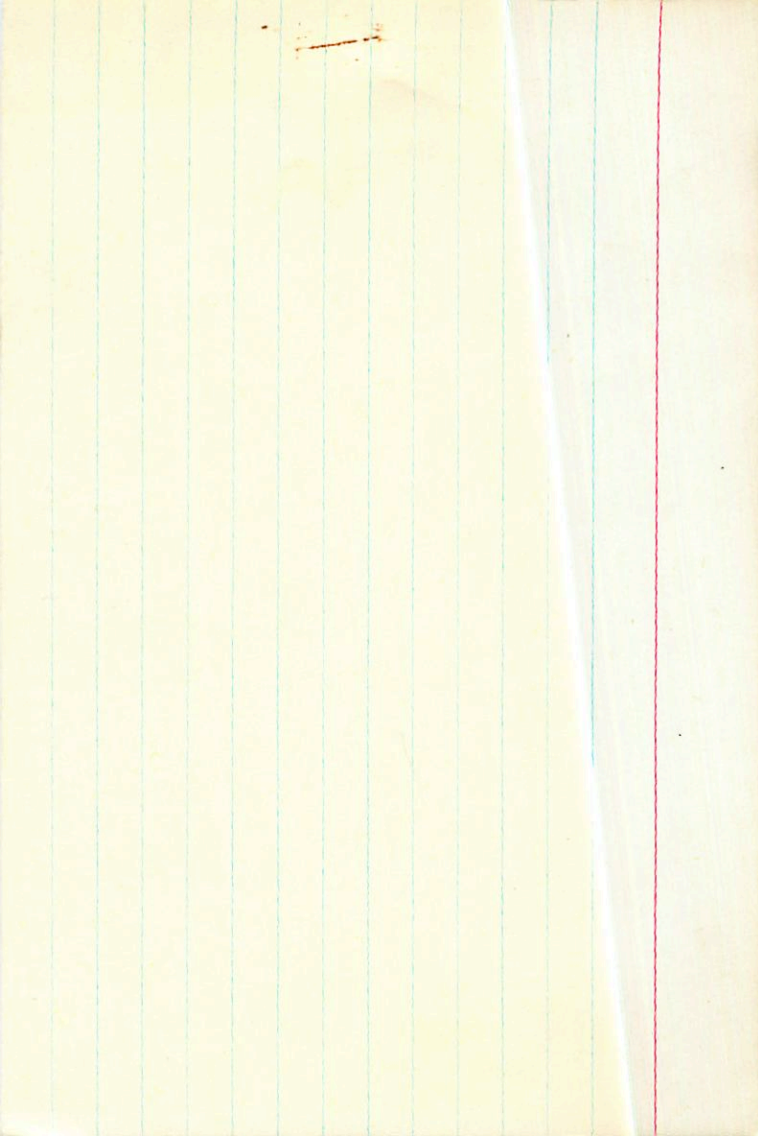
4.34

4044 + 050

49







RX Part 3 47.305 - 0.6 ~~51~~ 100  
~~51~~ 100

$E = +04$

B 12.59 + 0.66 + 0.08 3 obs.

12.47  
 16.7  
 5.32  
 7.15

+ 0.62 + 0.05  
 8 = +10

10.7

Final  
 net

12.4 1.97  
 10.7  
 1

+ 0.03 - 0.27 ± 0.05      43

- 0.014 - 0.07

+ 0.06 - 0.37

+ 0.03 - 0.33 ←

7.68  
 7.30  
 9.0  
 6.4  
 4.7  
 10.7

8.0  
 6.7

50

98,723

-0,672

0,072

-54,033

-0,727

-0,040

-185,079

-0,143

-0,134

0,000

1380,384

10,700\*

-0,033\*

0,000\*

-51,000\*

-66,000\*

47,000\*

0,000\*

0,000\*

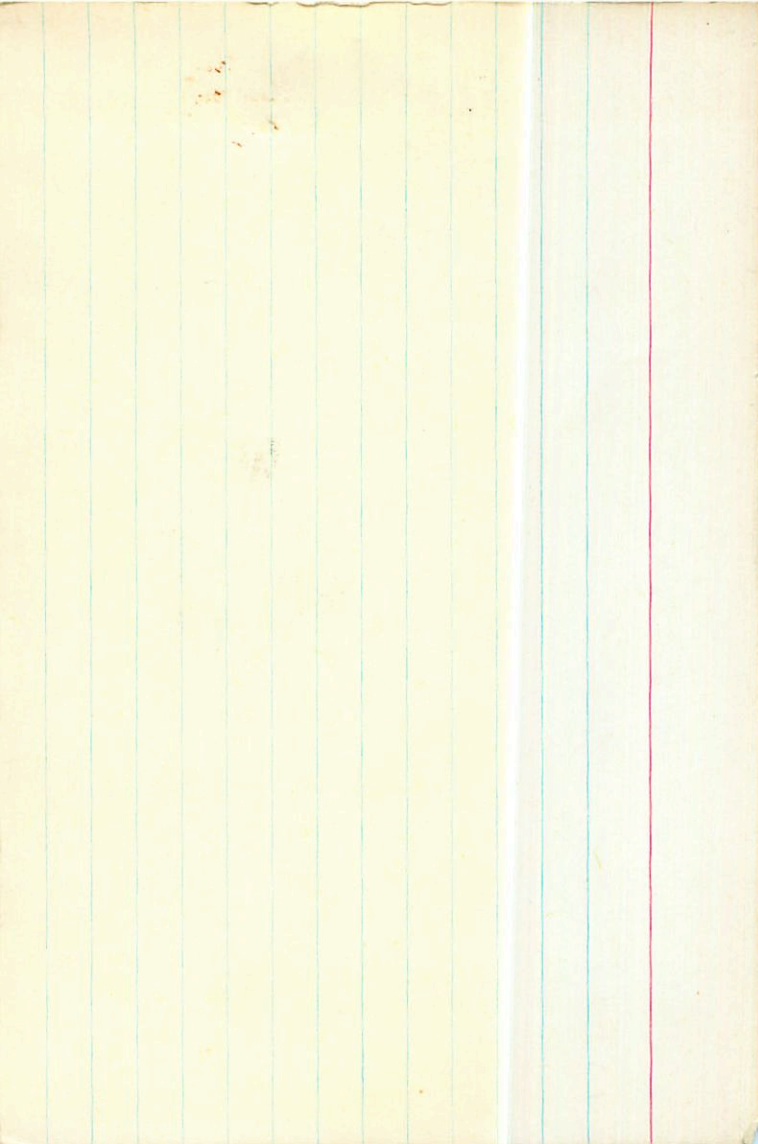


232847    3    47.5    +53    24    -50    A    F(4)

+530705    90P2    68IV    F

AD52802A

+0035	-061
+1	-1
+36	<u>        </u>
	<del>0002</del>



24512 / 3 48.0 -74 24 3.2 113 +16.02

2201 PR  
4633  
SHIFT QSRQ

+23

040~~00~~

12

+0124 +116 N30

+0131 +114 ± 1.5 62 con 5430

±1.3

3.5

+01297 +1169 F104

$\frac{-2.5}{114}$

8113 6264

0750

7793

+01397

111504 +111

1239

W

10035



5



245.2.000\*

3.000\*

48.000\*

-74.000\*

-24.000\*

0.056\*

0.114\*

3.500\*

50.119

16.000

0.581

-0.259

24.997

-0.123

-0.747

-18.134

Λ

2Hyr

3 48.0 - 24 24

+15.5a

HQ.205

3.35 + 1.64 + 1.83 + 2.11

3.31 + 1.61

+052 + 112 F13

+051 + 114 G6

+051 + 116 M30

+051 + 114

W2201

04(10)

1.3

+28 -17 -14 .021  
+39 -19 -17 .0135

839 545 - 963 249 + 051 + 114 + 15.5 - 110 - 15 ✓ 147

~ 043 092 - 028 - 060 081 569 + 4.2 + 2 + 3 13.5

+ 8 + 45 - 4

+ 39 - 19 - 15 ✓