

R-91 14 064 754 55

052+030  
25 28

~~052+030~~

060+020

138

0526 027

986

154  
-0510

1862

054

1350-180

0152

416  
/ 610

4109

4:17 1408 2.663

410 1065 2647



14.188  
29.208  
0.000  
0.000  
0.000  
10  
0.000

AD: VEL.  
MODULUS  
DISTANCE  
M. DEC.  
R.A.  
DEC.

-0.789  
0.088  
0.101  
0.000  
0.000

U  
p1 (U)  
p2 (U)  
p3 (U)  
p3 (U)  
p1 (U)

0.041  
0.233  
0.221  
0.000  
0.000

V  
p1 (V)  
p2 (V)  
p3 (V)  
p3 (V)  
p1 (V)

-0.273  
-0.474  
0.818  
0.000  
0.000

WM  
p3 (M)  
p2 (M)  
p1 (M)  
p1 (M)

R.A. :	14.100
DEC. :	59.900
M. R.A. :	0.000
M. DEC. :	0.000
DISTANCE :	0.000
MODULUS :	10
AD. VEL. :	0.000

q1 (U) :	-0.709
q2 (U) :	0.686
q3 (U) :	0.161
dp :	0.000
u :	0.000

q1 (V) :	0.641
q2 (V) :	0.533
q3 (V) :	0.551
dp :	0.000
v :	0.000

*Handwritten mark resembling a stylized 'A' or '2'.*

q1 (W) :	-0.293
q2 (W) :	-0.494
q3 (W) :	0.818
dp :	0.000
u :	0.000

-0064 ± 15.0  
-0106  
-140 ± 15.0  
-120

14 06.9 -46 02

123661

-228 ± 11 C, (6)

8.21 ± 0.53 G-1E

19102

19034

54.483 1904.1 -46 1 56.58

-090 -112 Cape  
Pg.

6.52

294  
54.977

50.06

-0064 ± 15 -140 ± 15 GC  
54.4854  
-117  
437

55.56 1955.00

26.55  
-37  
56.27

-0064 ± 15 -140 ± 15 GC

-0106 ± 7 -120 ± 7 new (1)

-0098 ± 5 -695 ± 5 CP

-526 -851 -719 695 -090 -112 -22.0 081 +16 -370  
-047 043 077-069 104 5-69 -15.3 +13 +8 022

+18 +34 -1

+32 -7 -22

+18 +38 -3

019

+34 -9 -23

+66415.1-67044  
 +15 51  
 07.2 +15 51 6.7 FS +6.6  
 14  
 123845  
 15110  
 8294

13.376 1400.8 +15 51 29.18 1897.3

+32.9  
32.87

30.07 1934.5

5001

2999 1934.2

22

2541

29.56

-2.91

39.7

37.0

3.92

262  
 +090

283

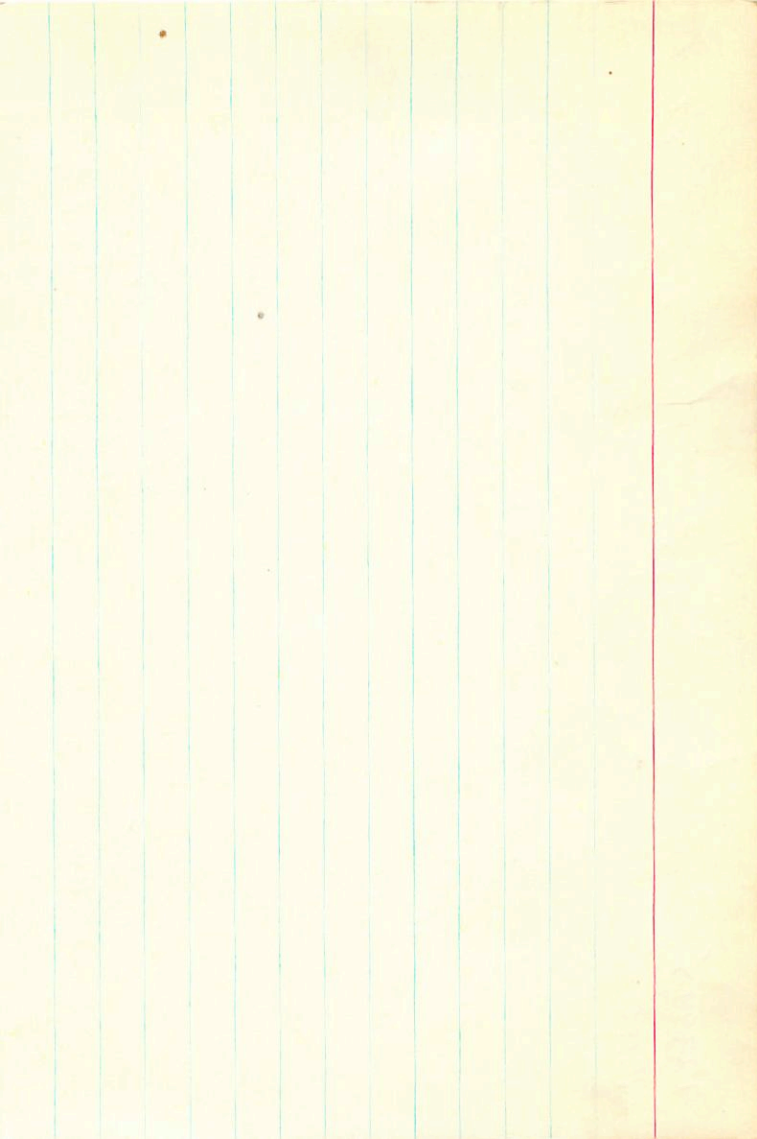
13.264

242

13.223

-204  
172

36.8





ω(2)  
Σ +68A  
Σ +58

14 07.7 -13 04

gmsc

Z Va

-1203983

W 8295

+142512 -108513 Y

+4 -10

+146 -718

+3

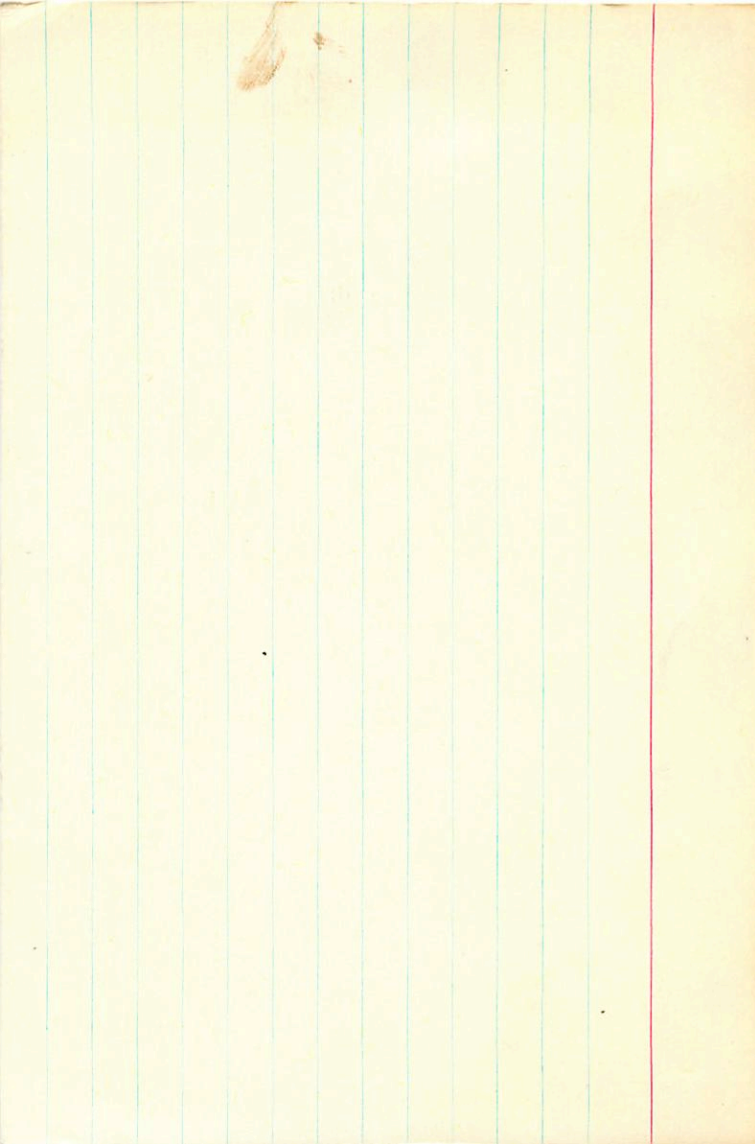
+0001

-706 +355 -623

+6072 +684 -343

-297 +636 +711





123797

19120

-0083 ± 100

-0084

14 07.8

-48 33

-082 ± 6.4

-682

-63.2 ± 0.4C, (4)

6.63 65.0

+0.96

48.417 19013

404

821

11.972

36.528

48.500  
158

658

15

643

967

484

337

48.345

23

324

-48

32

46.98

18960

4.43

42055

39.13

192648

7.05

46.18

46.94

45.24

45.17

45.38

46.79

33

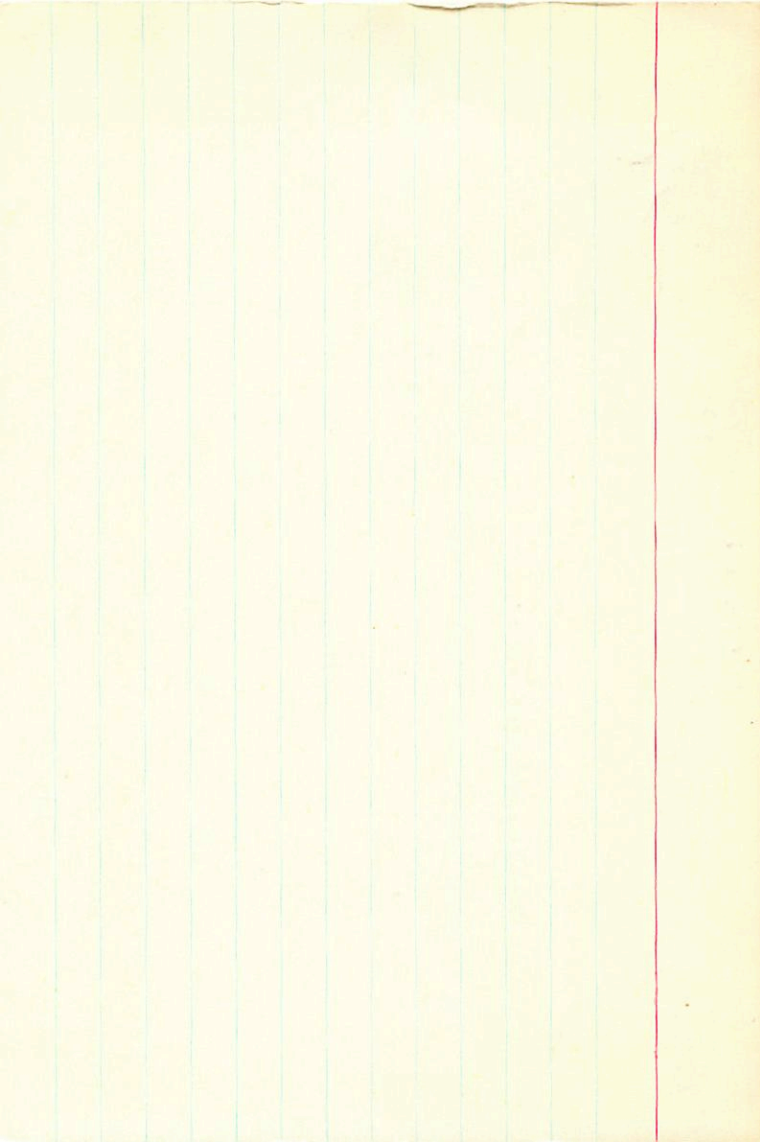
4312

8254

41.3

45.3

40.0



X059136

123963

19121

8928

-0132 ± 53 -068 ± 3.8

14 07.9 +26 50 8.4 dG4 -24C 4W

9.4 dG7 -06.2 ± 3W

-26.0

5-4,482 1899.2 +26 50 7.68 18928

671

55,153

3.60  
11,28

115  
+10  
+91  
191  
78

14 8.1 +25 20

123999

ARS304

GC19/27

12807

-00172 -0642FKY  
86 + 37

~~480+52+05~~

SRS 9.6 2SP.

482+53+06 2599 -  
256  
-0234

557 541

-021-060

1348 .125 .441 8 SPK 2.6918

[M] 238 #13

353. 145 821

+10.80a

[C] 371 AK  
F94

1.90 -5.3 -5.3 +10.8

-106 -291 +19

+3.0



28

5304.000\*

14.000\*

3.100\*

25.000\*

23.000\*

-3.021\*

-3.060\*

2.550\*

32.359

13.800

-3.117

-3.263

-5.637

-3.277

3.157

296

-7.275

3.013

3.952

13.711



SP. B. P = 9.6

+10.8a

123999

14

08.1

+25

20

4.8

dES

19127

8301

78  
-0021-063 68 N30

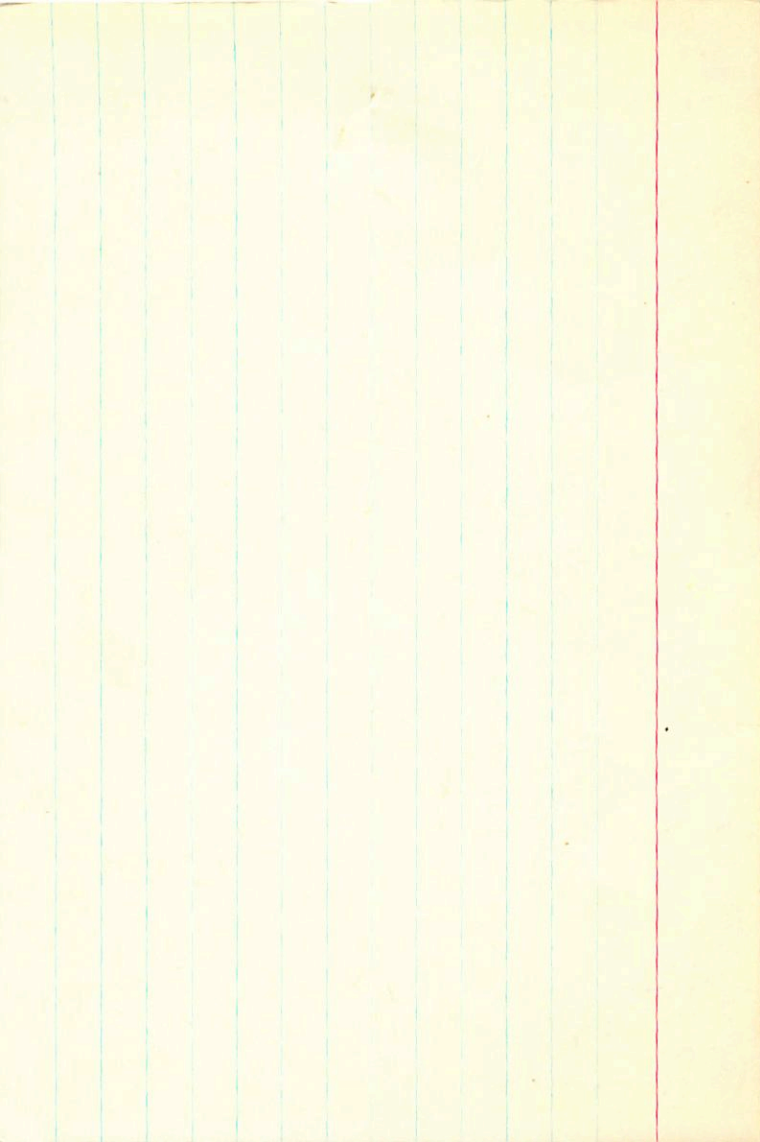
-0021 ± 1.3 0.3 ± 1.3 6c → N30

12300

41 ± 8

-10  
-00202 -0657 W350

-00206 -0661



2737823.45 + 10.30257

At Ven 14 08.4 -13 02 +23.0

123474

12° 39' 43

-055 -007 7

0 -12

14576363

-055 -019

-055 -019

b = 1452

-054 -015

141

-13.0

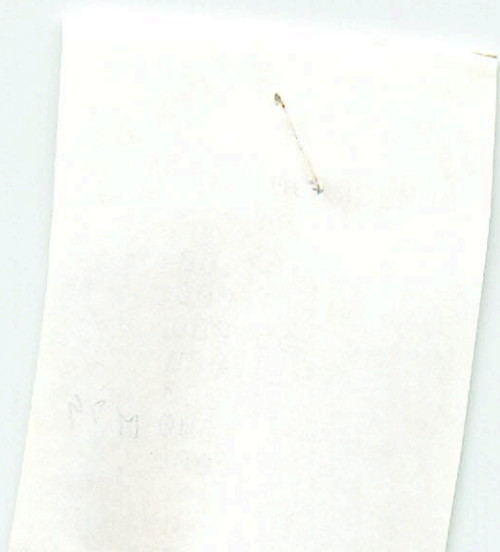
-55

-11

14000

+23.0

29



NP M 01

CHECKSUM ERROR

14.100

-13.000

-55.000

-15.000

10.000

1000

23.000

-0.709

M79

W8305

14 05.0 + 77 47 5.05924 + 10.59

HD124347

+ 916 Orbital

HR 5321

$\frac{1174}{99}$

$\frac{1174}{99} \begin{array}{r} 11 \\ 18 \\ 11 \\ 11 \\ 11 \end{array}$

$\frac{1172}{94}$

$\frac{1172}{94} \begin{array}{r} 11 \\ 11 \\ 11 \\ 11 \\ 11 \end{array}$

- 60 103 + 030 66

- 0111 + 033 N30

~~- 00107 + 032~~

+ 14 + 1

- 0111.8 + 0350

~~- 01100 + 0357~~

- 0348

97

- 760 614 364

+ 1130 + 0932

+ 20.62 + 18.0 + 3.8

645 325 692

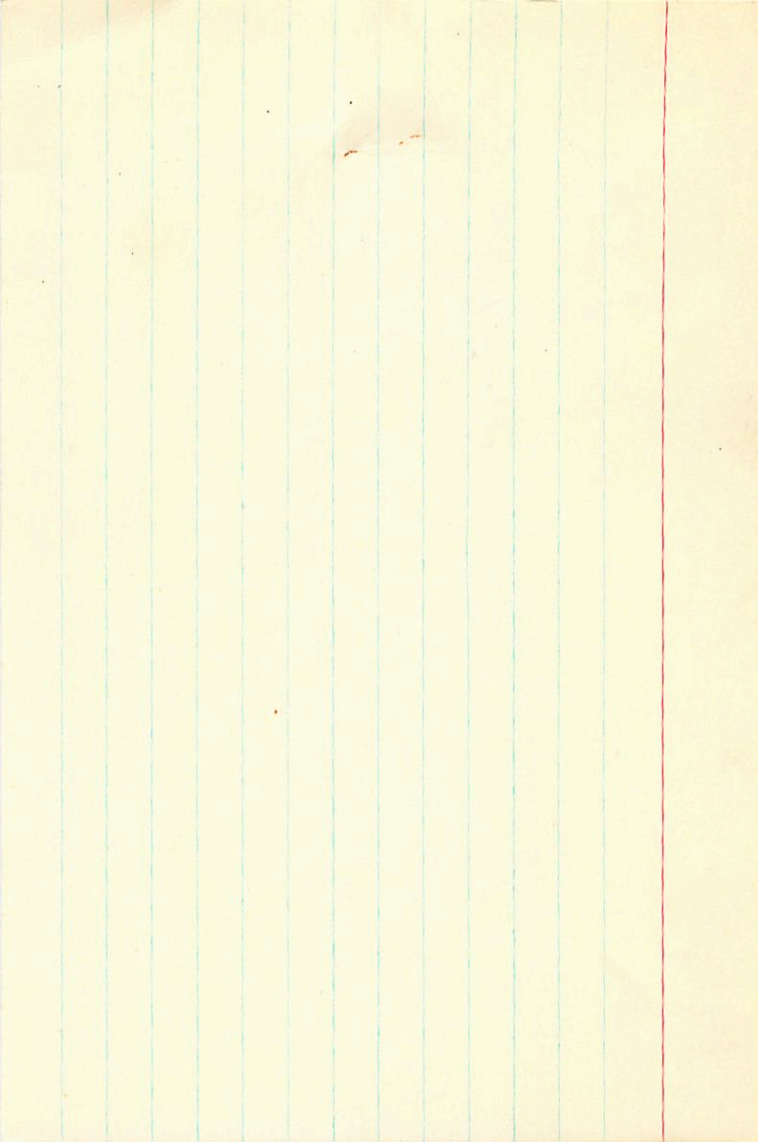
- 1040 + 0493

- 0543 - 4.5 + 7.3

- 307 - 719 623

+ 0495 - 1090

- 0595 - 5.3 + 6.4





640 235 776 -440

124115

HR5307

0-4414

-2022 273

2011 273

2302

[14] 2310

[2] 394 42 42

6.42 318 17

282

14 50 11 36

6.42 + 0.48 + 0.2 C

36 269

312.175 .456 50 C - 2.658 3 22 +

-288 1029

450 + 400 21664 06 16 Jan

353 404 +3.7

444

F5

-2089 1032

1496 1030 H

-1.216 + 0.22

9000 -590 1892

4361 1354

-3.4 0151

-19.8

117

4.10

6.22m.

-700 497 -512

645 749 -154

-307 438 844

+4214 +0612

-3883 +0423

+1848 +0716

+4826

-2960

+2264

+41.1 NO

-14.8

-0.2

+9.2

+2.8

-15.2

-0055730 +022+3.6 -07+02666  
→

+025  
121

<sup>443</sup>  
58.813

14929

-0048

4721 1894.9

59.2 ←

4000 -186

58.663

+11

679

(64.21)

48.02

127

47.75

-00865 +0235

+0257

0

1297

-128 +024

14.158  
1.288  
8.000  
8.000  
8.000  
10  
8.000

R.A.  
DEC.  
R.A.  
DEC.  
ANCE  
ULUS  
VEL.

-8.782  
8.492  
-8.582  
8.882  
8.882

8.882  
8.882  
8.882  
8.882  
8.882

R.A. :  
DEC. : 14.150  
R.A. : 1.600  
DEC. : 0.000  
ANCE : 0.000  
ULUS : 0.000  
VEL. : 10  
0.000

1 (U) :  
2 (U) : -0.702  
3 (U) : 0.498  
dU : -0.509  
U : 0.000  
0.000

11 (V) :  
12 (V) : 0.644  
13 (V) : 0.749  
dV : -0.156  
V : 0.000

124330

+550664

8309

14 09.6 +54 39 28 49 64 -248834

6470

276

123

-178 -045 Y

-178 -045 Y

-0178

-0160

-0178

-0172

-045 Y  
-050 ± 6 G 25

-628

42.8

4.12

38.76

29.28

-041

43.63

51630

35213

247

34.884

892

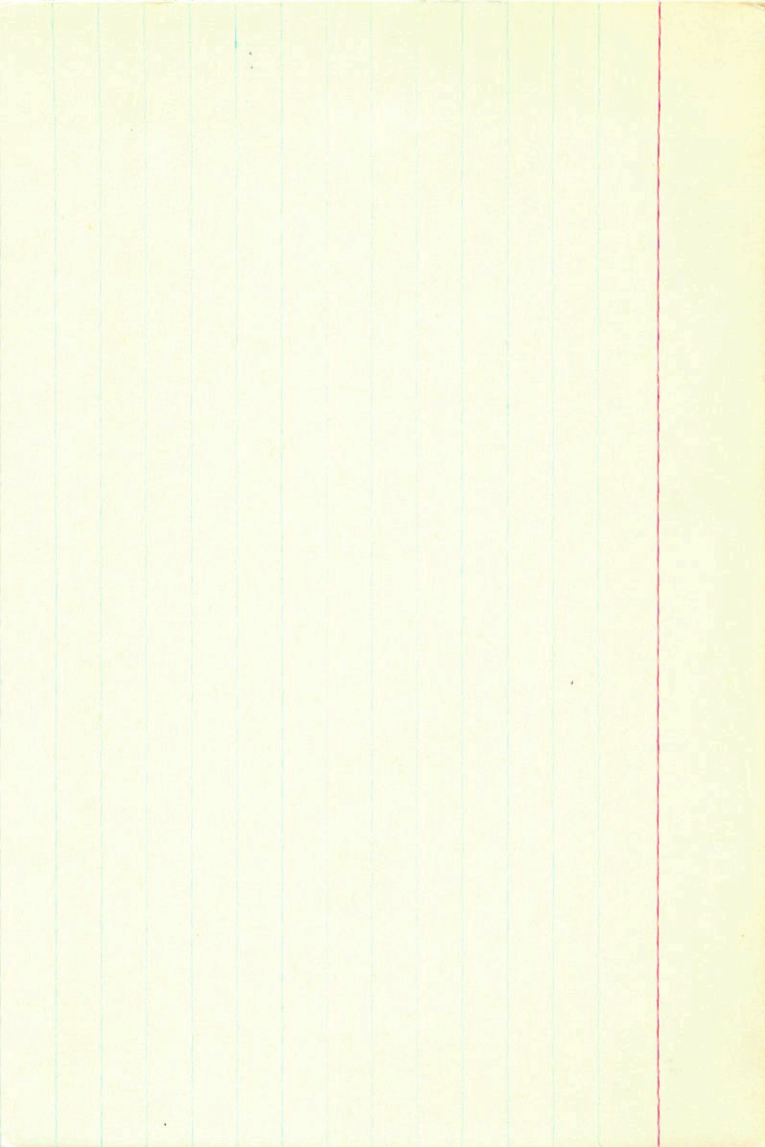
1527.2

1947.24

38.87

11

38.72



50 Hya  
124206

14 09.9 -27 02 5.2 09143 +27.0<sup>a</sup>  
5.05 +1.15 +2.23 1<sup>m</sup> 24"

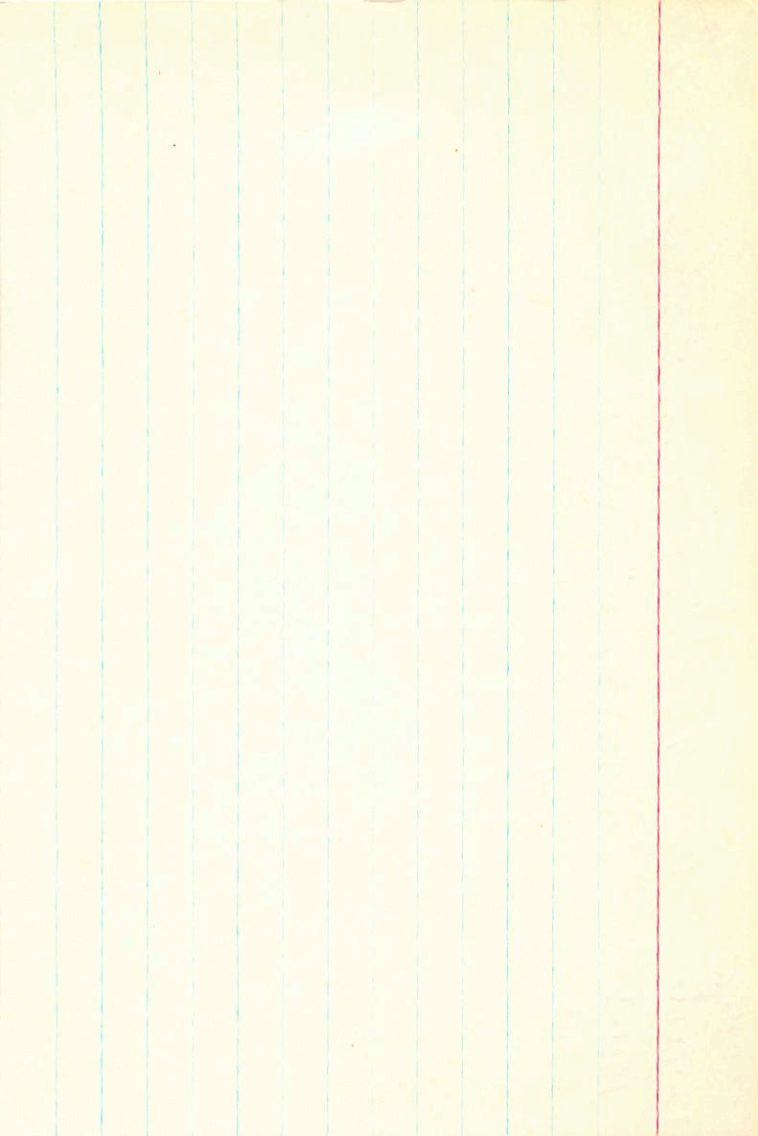
19163

8313

34 -038 33130  
-6008  
-6007 52.4 -037 22.5

4(7)

40 ±12





RVm

124294  
19168

8314

14 10.2

-10

03

4.3

9R2

-4.0a

107

+0002 +140<sup>105</sup> N30

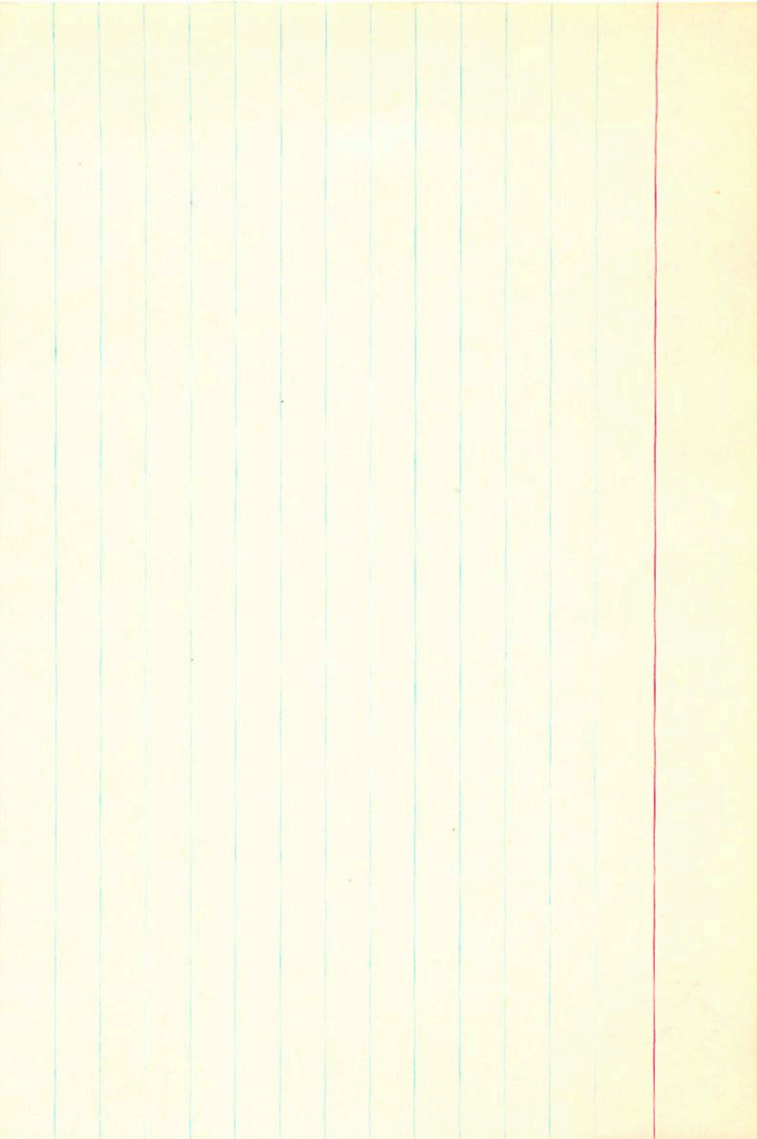
+0004±0.8 +136±0.96c-7M30

4.20 818594 493

.895

17.7

-310



124675  
Cond II

+0068 ± 2.0  
+0066

-010 ± 1.5  
-017

19207

41.547 1899.1 +52 1 23.31 1889.0

- 344  
41.201

47.779<sup>2</sup>  
53.609<sup>2</sup>  
41.3157  
1.3176  
392

884  
36.8

41.502<sup>0</sup>  
442  
+241

+0067 -0135  
+0062 -0095  
+057<sup>2</sup>  
+060 -006

+61  
23.92

24.3 1927.0  
-1.70

22.60  
55  
23.15  
23.00  
71.87  
35.9  
46.9  
144.67

23.40  
-19  
23.21  
23.10  
-1.82

15204

+0059±3.4  
+0065  
-027±3.2  
-021

40.300 1595.5 +52 1 15.23 1893.1

-320  
39,980

+154  
16,97

46.45  
~~53.600~~

17.4 1523.4

~~40.000~~  
~~005~~

070

~~16.25~~  
16.10

90.69

471  
236  
39.5

15.79 1942.29

35.3

40.392  
4801  
+256

-14  
15.65

42.2

15.87  
-1.90

124242

14 10.3 -3 05

+37.3 A

705

-0108-318 ~~6700~~

162-318

-162

-318

2.55

+07.3

-8201

9490

1458

0774

31



R.A. : 14.150

DEC. : -3.100

R.A. : -142.000

DEC. : -312.000

DISTANCE : 7.550

MODULUS : 32

D. VE : 37 200

q1 (U) : -0.702

q2 (U) : -0.455

q3 (U) : -0.548

q4 (U) : -0.657

q5 (U) : -0.177

q1 (U) : 0.244

q2 (U) : 0.734

q3 (U) : -0.216

dU : 2-1597.945

U : -57.843

q1 (U) : -0.384

q2 (U) : 0.508

q3 (U) : 0.808

q4 (U) : -0.277

W : 13.864



ADS  
9/59

14 103 + 44 25

50

448236

-0032 + 0022 VH

-0034 + 0029

-036

-033 + 029.5 0421  
0185

-142 ✓  
0095 ✓

602

5317

128825

6C19188

W8317

Y3229

-002744

-44 +1 -7 .030  
-60 +2 -18 .020

1776  
1876

14 11.1

(M)

-00 37

5.93 +0.47 +0.02 FGIP

810165 4% 2652 S = -01

+0138 ~140

-1377

83

2070

209-394

998 785

-1519-2590

2494 247  
1510 0242  
+135

2054(16)

59.13

18.1 a w(24)

9.8. 1. 2.7

24  
+204 1147  
+2094 -16057

24  
24

+0136 538 ~14754.2 +0139

+0140 -140

+0135 -135

+0139

5.867 1409.5 -0 36 37.58 1911.1

-551 +5772  
316 31.86

6096  
18 28.92

6111 39.27

32.94 1433.66  
2.55

11505

16.972

38.4

1902

55.640

2162

35.02

27.3

3577 1439.59

921 28.9

0

3568

5.729

+405

47.32 1441.6

-3.82

4977

36.12

24

36.23

34.970

30.807

5.979

14/960

124730

14 11.1 +69 40 5.4 gm<sub>2</sub> -23.4a

19189

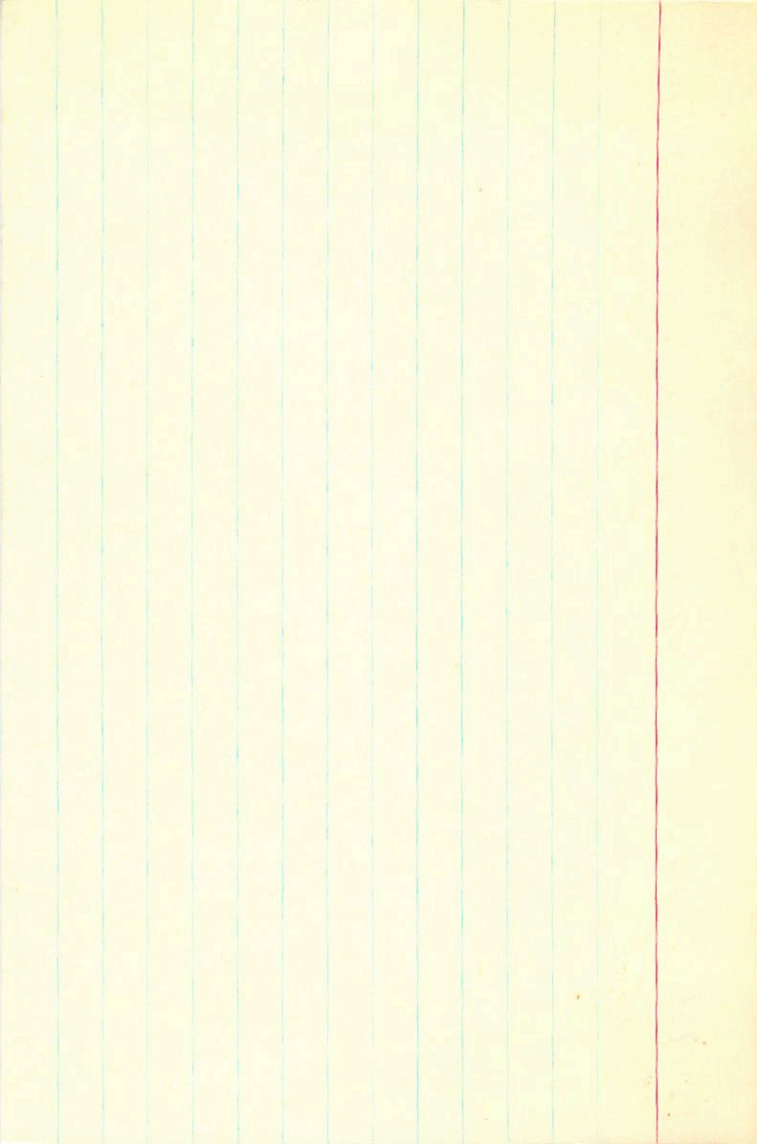
-0061<sup>29</sup> -054<sup>33</sup> N30

-26.1 ①

8318

-0054±1.9 -049±1.56c → N30

PRO 8334 5.2M H158 H184



AD59167

124640

19190

-0403 55.5  
-0372

14 11.4 +55

-026 33.4

34 { 8.8 dms -16.0 f  
2" { 9.1 dms -17.4 f

8321 21.832

1.717

23,549

22.299 <sup>350</sup><sub>17</sub>

22.049

051  
175

-1.374

+55 33 30.13 19020

1.25

31.35

3105 1989.4

31.20 1947.29

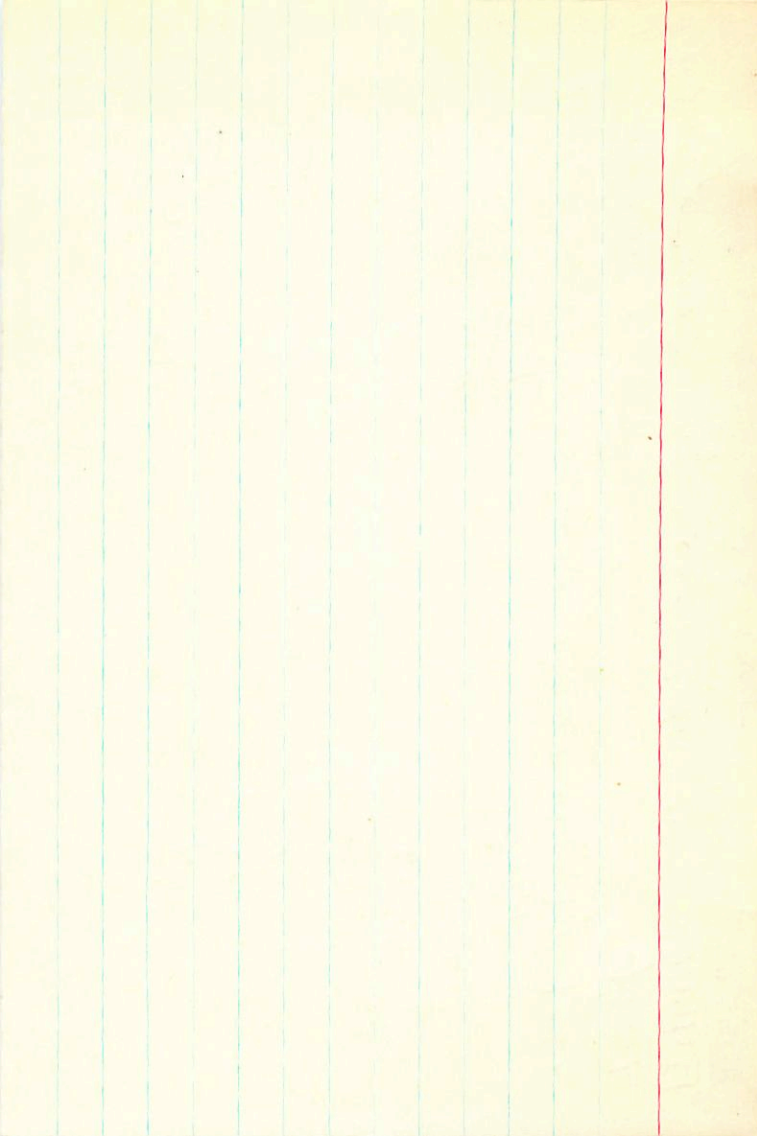
-14 86.69

31.06  
31.06

-1.32  
43.3  
41.3

36.9

37  
4 650



392000 dF6

124570

14 11.7 +18 12

HR5323

GC15205

~~HR5323~~  
+HR5323

5.56 +0.53 +0.085 2495

14300

.343 .196 .440 @5N 2.6015

331

[m] 258 -9

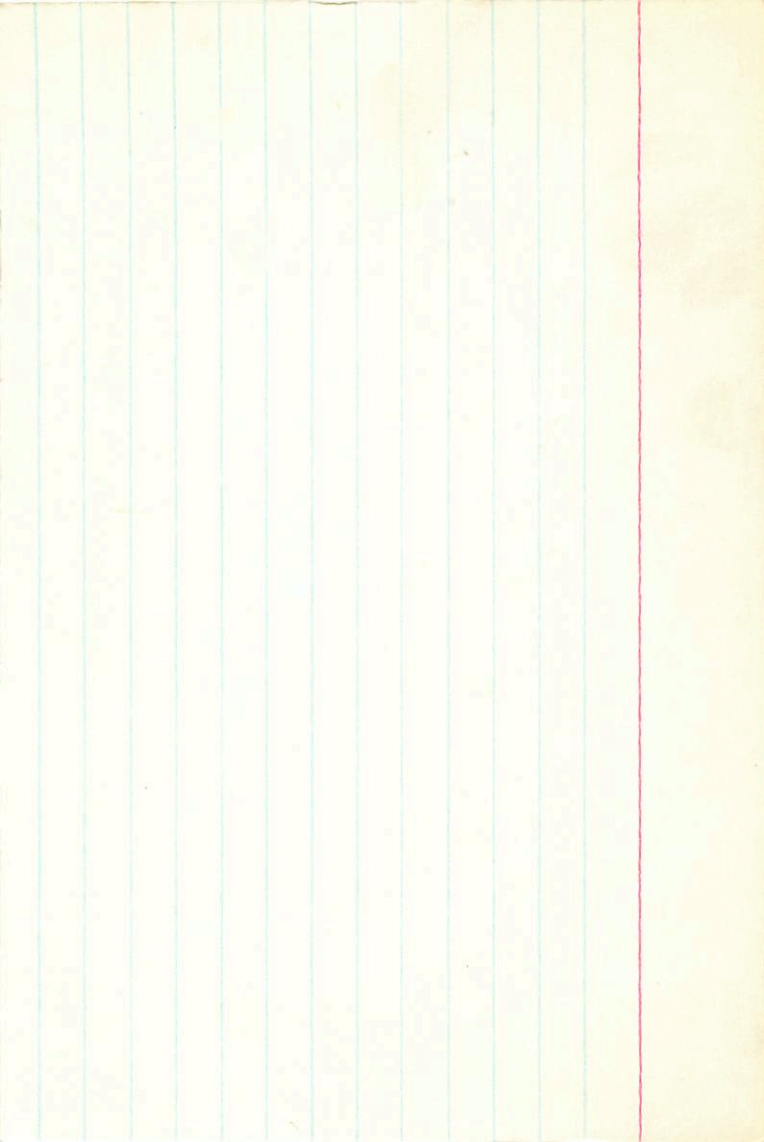
[C] 371 +6  
+5

+88.3 -30.7 -25.6

+708 -964 +321

5.4





-0.176 ± 1.8 -0.59 ± 1.8  
-0.179 -0.57

5.5 of FL -35.1a

14800

124570

14

11.7 +13 12

19205

8326

40.789

1891.2

+13 11

34.81

1892.0

1.035

41.824

3.42

38.23

41.049

19

36.06

1.15

19345

16.66

068

2041

35.91

135

40.964

+9

973

35.84

-18

742.2

37.7

520

41.020

35.68

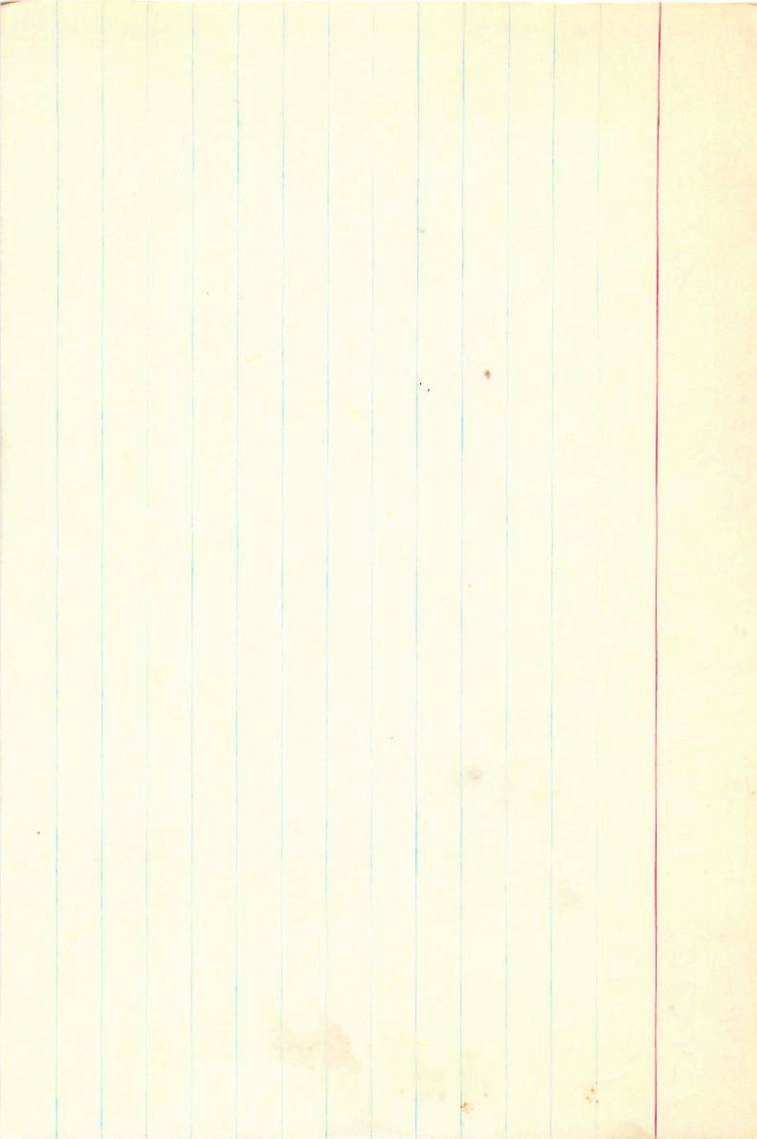
75.1

-804

2.535

45.1

44.9



124755

19225

8334

14 12.4

+41

45

6.2 - 913 - 10C

-0023 ± 2.8 - 112 ± 2.2  
-38 - 120

22,552

1902.5

+4125 9.53 1855.8

$\frac{109}{.661}$

$\frac{5.62}{15.15}$

22,020  
 $\frac{580}{.0001}$   
 $\frac{1.85}{.0001}$   
 $\frac{5.82}{.0001}$

121  
 $\frac{560}{10}$

26.3

12.4 1927.4

$\frac{1.02}{11.38}$

516

288

$\frac{1.85}{.0001}$

$\frac{560}{10}$

26.3

$\frac{1.02}{11.38}$

11.68

29.0

22,528  
133

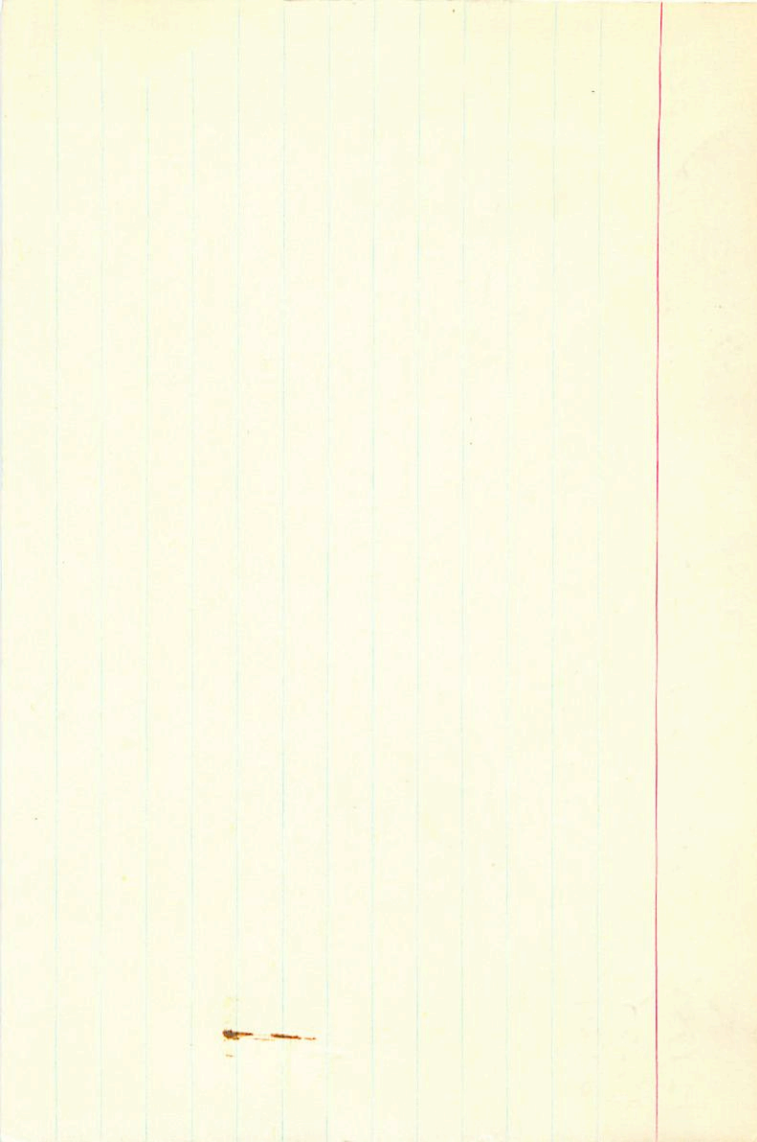
12.279

3.47

11.9 1930.2

$\frac{11.9}{1.32}$

58



5331 17 12.4 + 8 34 66 9014 -478

12451

<sup>16</sup>  
-0032 -031  
-048 + 5

-026

pc + 2  
+ 1  
- 022  
-046

-546  
-885  
063  
~~983~~

32





335. 2000

2. 000  
3. 000  
4. 000  
5. 000  
6. 000  
7. 000

8.1  
414 310.220  
47.880

8.000  
-0.500

74.000

9.220  
10.120

3091.03<sup>13</sup>

721

335

81

75

-203811

14 12.7 -3 13

10.3 Co

+28.8 ± 0.5

15 Sunday

Bubble 2"

S = +07

$\Delta a = ?$

9.24 +0.57 +0.03

+103

-107 Y

25

-3

-8

10.00

+100

-115

5.00 = 100 ps

0

+3

-112 130

-694	+457	-555	+3487	-2426	+1061	+10.6	-16.0	-5.4
+644	+735	-202	-3246	-3902	-7148	-71.5	+5.8	-77.2
-316	+499	+806	+1588	-2649	-1061	-10.6	+23.2	+12.6

ADD. 9185

14 13.4 410 32

ADD 12/14

GU

OR 02 2800+ 41 400- 9800+

9000- 9500+

1262

~~1262~~

1261-1261

1213 Hot.

ABC

1200-201 1004

114- 114

$$\frac{-100671}{10000} - 0.25$$

105020

420.01

$$RR \text{ low } \frac{14}{10000} \frac{13.4}{10000} - 59 \quad 37$$

$$\frac{-0.36}{-0.46} \frac{-0.36}{-0.46}$$

$$\frac{-0.46}{-0.46} (= 8.)$$

$$24894 \quad 4.4 \quad -0.074$$

$$\frac{0.092}{0.092}$$

$$22.39 \quad 2.3$$

$$\frac{2.19}{2.02} \quad 14.2$$

$$-5.76$$

$$24.980 \quad 1946.5$$

$$2.012$$

$$-1.19$$

$$-0.37$$

$$\frac{1.1}{0.969}$$

$$\frac{-2.5}{2.178}$$

$$-2.8$$

$$-0.073 \quad -0.317$$

$$29.502 \quad 2773$$

$$2.141$$

$$-1.19$$

$$45.320$$

$$\frac{0.68}{0.68}$$

$$-1.19$$

$$24.852$$

$$\frac{2.09}{2.09}$$

$$-1.19$$

$$2.4237$$

$$\frac{2.06}{2.06}$$

$$-1.19$$

$$25.0829$$

$$\frac{2.0310}{2.0310} \quad 2.116$$

$$\boxed{-0.04 - 0.28}$$