

43 / .5
 +0038 ± 100
 +0018
 -83 45 28
 +0028
 +033
 +035 ± 12.2
 +020
 9M4E 467A
 4677

T6d
 8 17.5
 34897
 2390

4536
 5.1
 27.503 1900.5
 -33 45 29.98 1902.5
 -198
 -1.66

5.3
 +0028 +024 C(P)
 +5 +9
 +0028
 +1 0
 31.64
 31.1 1982.0

27.37
 20
 398
 354 + 029 + 027
 12
 30.98 163

4020 +0B
 27.378
 419
 399
 30.78 1955.88

43.5
 8798
 440
 41.5
 30.52
 82
 +

10016 + 020 Stacy new

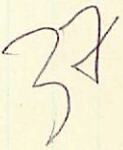
150 No.

1005	+055	+886	+454	+0104	+0256	+0860	+3014	185.3
100	-567	+424	-206	-0618	+0362	-0856	-19.1	-773 - 664
100	+818	+191	-543	+0892	+0163	+1055	+73.8	-363 +325

+020 +016
 +0016 +020 → Stacy new
 +0019 +019

+023 +018

9.7

200 No


163 1920

16 16 +020 Ge

0 0 5 shy

+0200

+39

+024 +019

10014 1014 Capot Y Jhy

030025

030030

030035

030040

030045

030050

030055

030100

030105

030110

030115

030120

030125

030130

030135

030140

030145

030150

ON

AC

Put

0.000*

5.000*

17.500*

-33.000*

-45.000*

0.024*

0.019*

9.700*

G12 870.964

67.000

0.091

0.455

H13 109.352

-0.026

-0.706

-71 -70.290

37 0.110

-0.543

H4 59.665

7.2 0.48 + 0.95 - 3.05 + 63 - 57 + 4 + 23 + 670 → 225
 4.3 + 1.30 7.50 + 9 - 3 + 11 + 18 - 330

6=0

T Col 5 17.5 -33 45

HD34897

mm-1

R = 5.20

R-I = +130

$$\begin{array}{r} 5.90 \\ 391 \\ \hline 781 \end{array}$$

Slony 1670
 + 10016 + 1020
 + 1017 + 1021
 + 1021

$$\begin{array}{r} 4.92 \\ 167 \\ \hline 8.25 \\ 465 \\ \hline 790 \end{array}$$

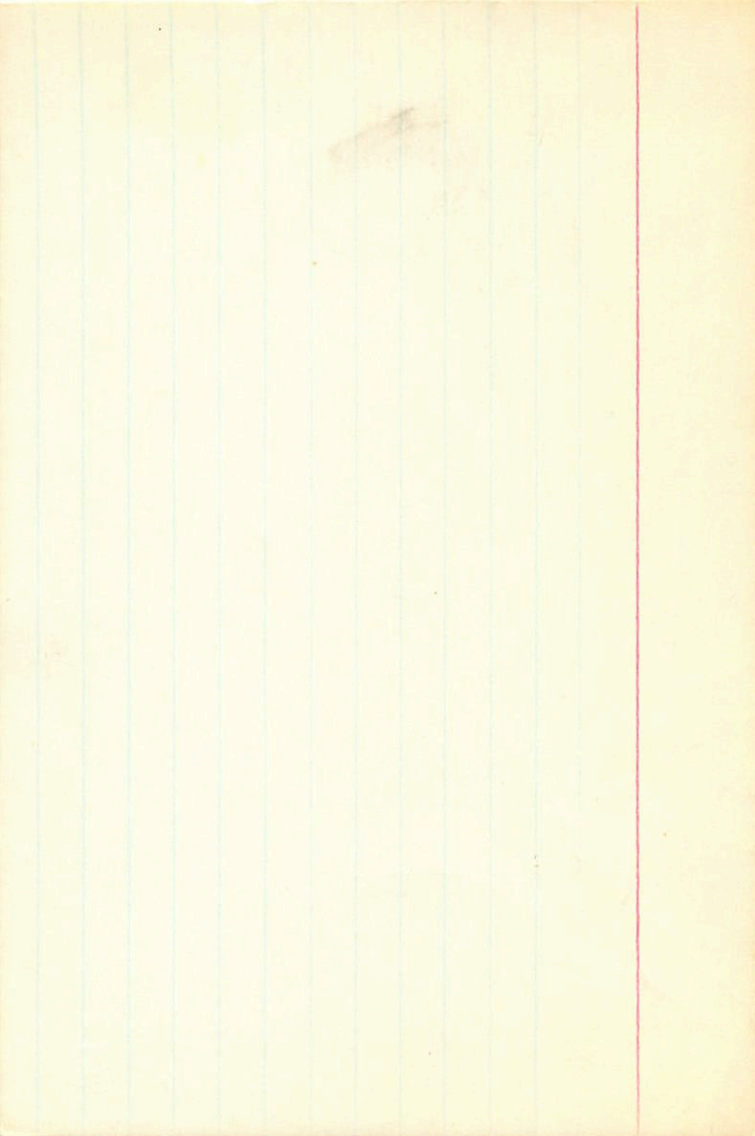
+0016 + 020 5.64 + 0.036 } new
 + 0.027 } new
 1004
 704 + 0.19
 mm M 7.50
 360 M.

+47c

+77 -63 +23

3 34931 9.72 -0.08 -0.17 2 89 00: 9.0
 34677 7.89 -0.05 -0.14 2.85 00 7.25
 New E mm

4.82
 167
 34650
 7



-0002#47 -017#4.0 R00E D0
-0004 -003 -0.2

34810 3 18.0 +19 46 6.4 R0 +0.10

3192

6548 5-9.250 1902.2 +19 45 55.42 1910.8
010
261

59.231
28
259

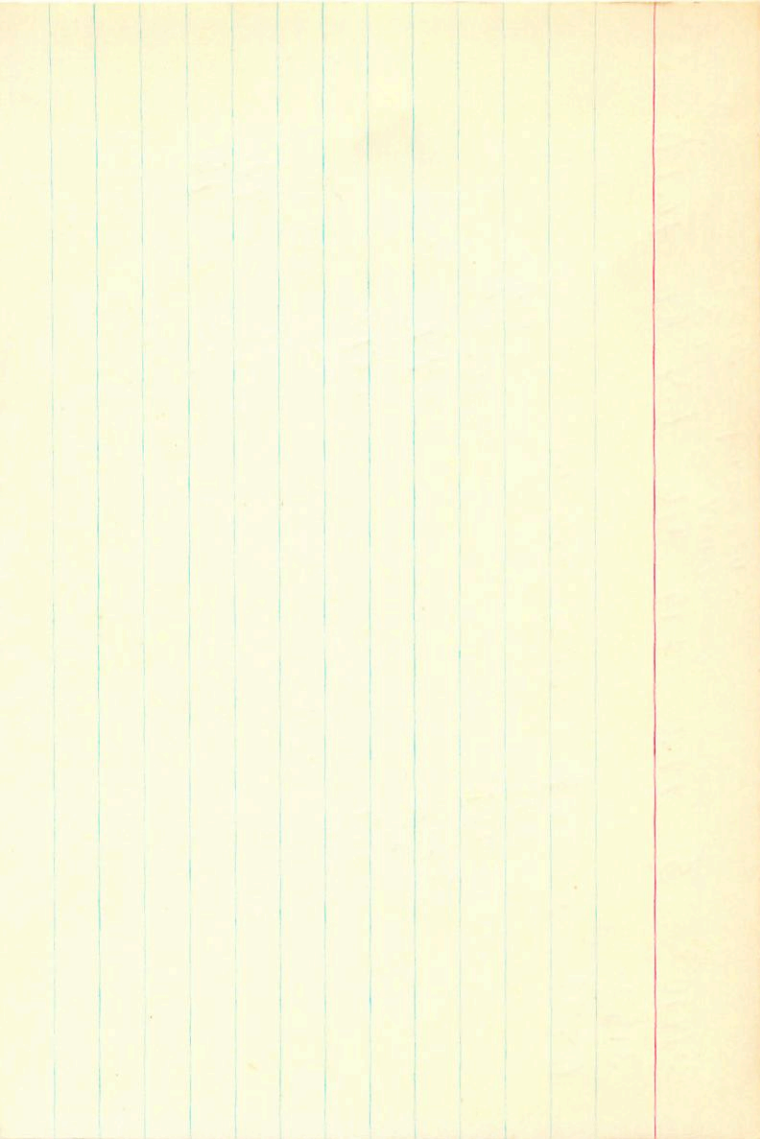
1088
30.4
29.6

30.400
28.592
59.102
0.227
240

22.418
34.520
57.09
4.559
55.41
+15
55.56

2 8.2

1927.38
55.42
-0.06
1940.05
55.44
16
55.60



A053730 10^m 1.1^u

+0004 ± 5.2 +002 ± 5.6
-0002
5 18.3 -21⁰⁰⁰⁰

+28.6 δ

HR1762

3496 δ

3196.59
635.59
9.5 y^u

4.70 -0.03 A02^m

+0006 100260

+0003 -0006

18.740 1908.6

016
724

14.667
4.010
18.677
684
+790

+18.9
-17.4
1.4

716
-006

18.736
741

5733

-21 17 19.16 1908.4

-08
19.24

57.02
22.95
18.05
-1.32
19.124

1438.34

9.116
-22

72.52

36.3
26.9

19.74 1939.17
+447
19.2

993152 -363532 +006 +002 +25.68 0 -12 0
-006 0 0 0 -029 0 +27.6 +5 +27 16

+3 +27 -12

+15 -20 -12

$+0.273 \pm 12.2$ -13.2 ± 10.6
 $+336$ -126
 34654 5 18.8 +64 05 8.0 dF8 -14.86
 6571

3202 49.254 1910.0 +64 4 46.69 1907.9

$\begin{array}{r} 1.365 \\ \hline 47.889 \end{array}$

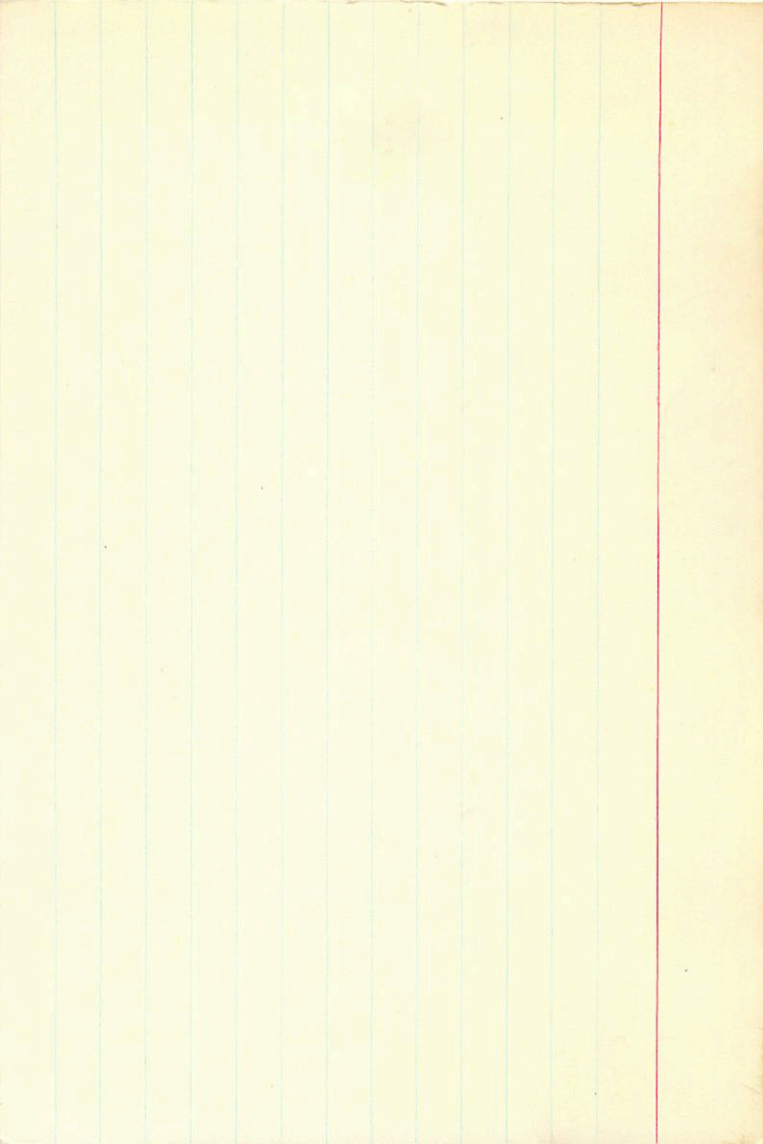
$\begin{array}{r} 5.56 \\ \hline 52.25 \end{array}$

$\begin{array}{r} 49.088 \\ 7 \\ \hline 095 \end{array}$

$\begin{array}{r} 47.78 \\ -24 \\ \hline 47.54 \end{array}$

1206

4739
 4116 8806



35041

5 18.9 -14 12

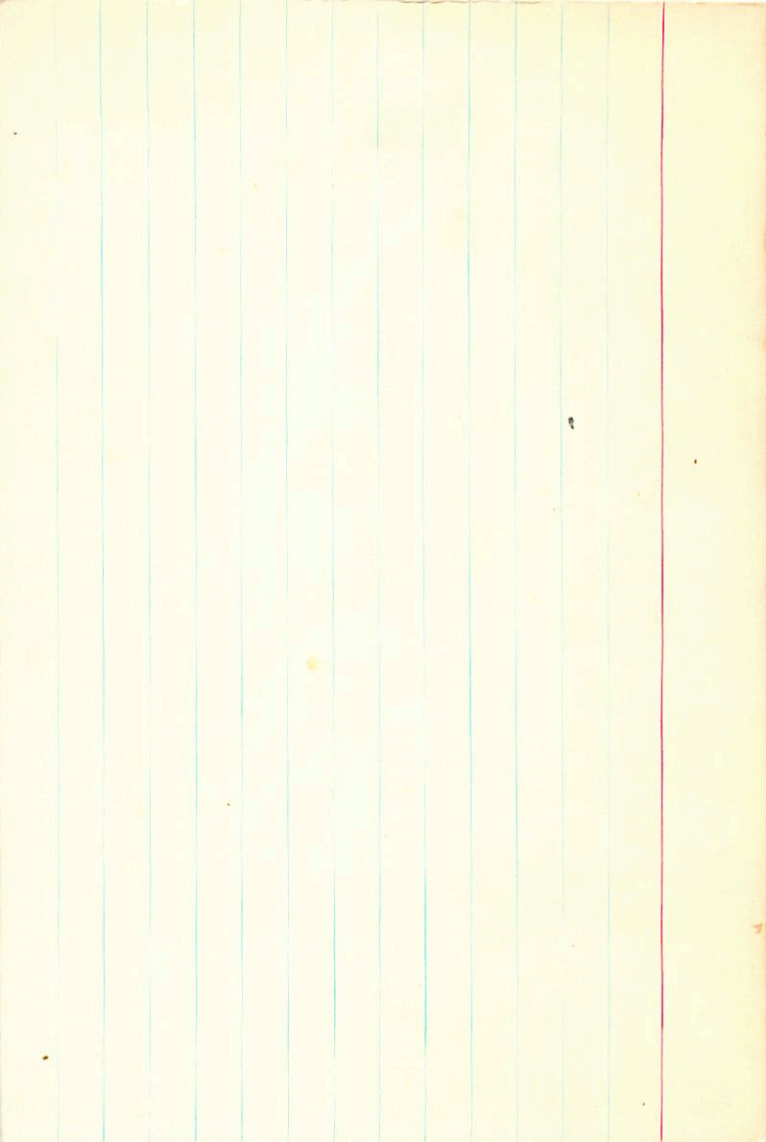
-4.586(13)

-1401103

7.66 +0.64 +0.05 555(1)18"

W3204

-050 54 +16 50 X



-4.9

35158 5 19.1 -43 35 6.85 +166 +2.5 112.11

666576

+ 0024 +043
-0.0001 =69 +027 =5.4

59.73 1893.1
1.54
1.27

1898.5 +0012
+0015 +037

5.611
005
616

20.141

45.522
5.683
12

5.695
12
685

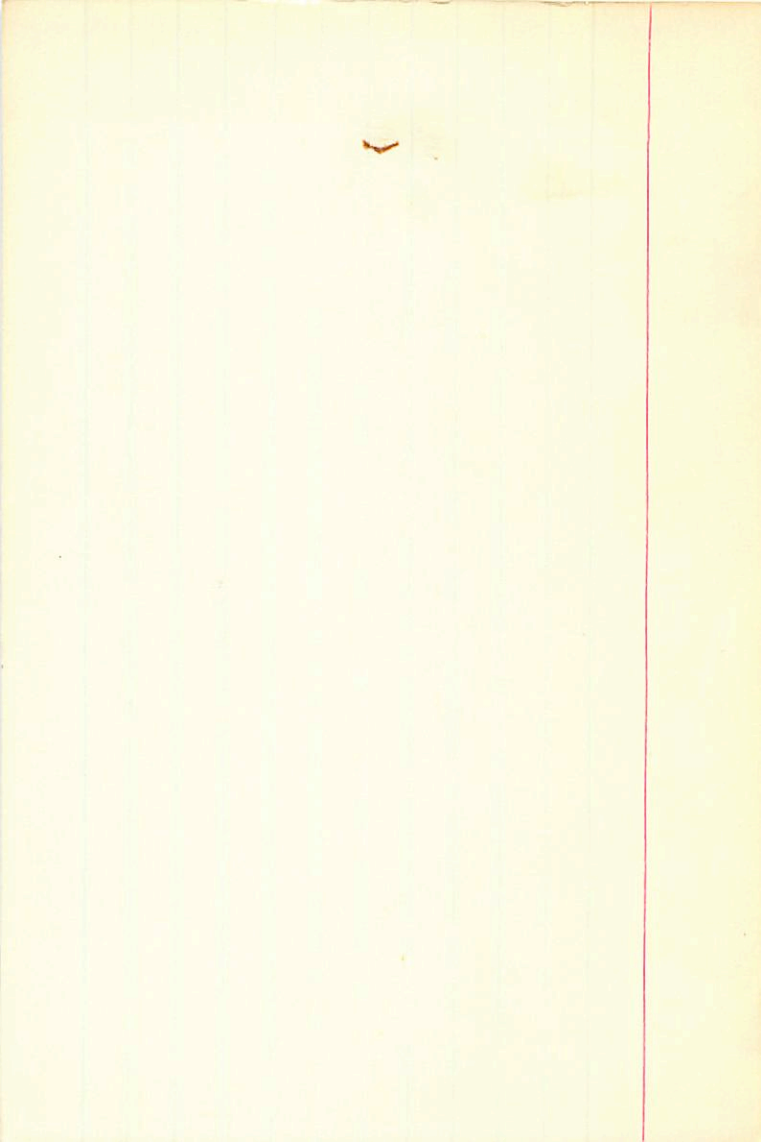
+ 069

29.42 1927.32

30.60
58.82
82

55.67
14

59.80
+1.47



35067

5

19.5

+3

31

gmi +509

7.42 + 11.2 + 20.2

629 + 183

0
+ 10006 - 0015

+ 10003
5.000 +

1006-002

591
111
487

603 73
565

33
895

8.

$$+0006 = 25$$

$$+0007 = 23$$

$$22717 \quad 18964$$

$$2251 \quad 1891.5$$

$$-6325$$

$$-23$$
$$27.2$$

$$27645$$

$$2666 \quad 19008$$

$$627$$

$$+27$$

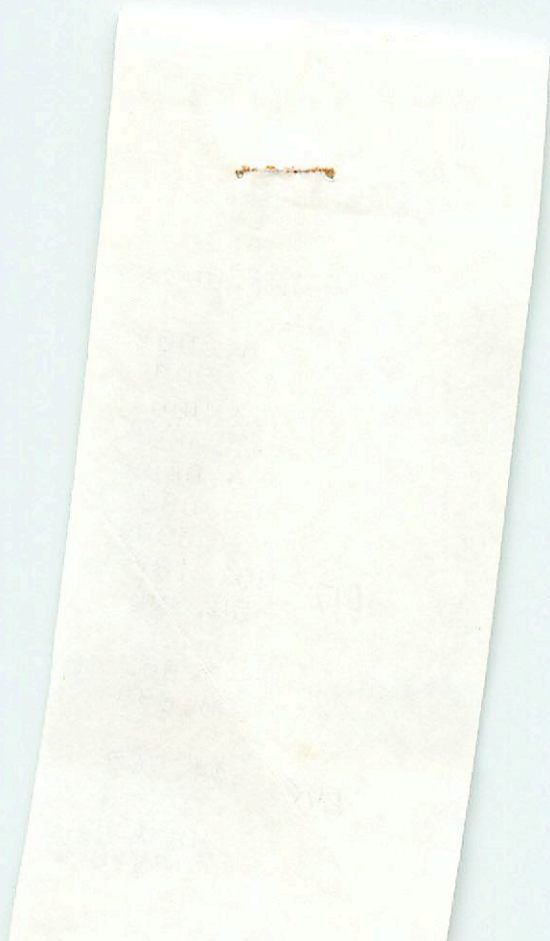
$$.712$$

$$26.93$$

$$\frac{.029}{.029}$$

$$\frac{.3}{.3}$$

83



35067.000*

5.000*

19.500*

3.000*

31.000*

0.006*

-0.002*

8.500*

017

501.187

50.900

-0.002

0.899

145

44.965

-0.023

-0.310

-27.475

34587 5 19.7 + 28 42 + 38c

419

W3220

8.7

15818

8.95 98 12

+032 -063

+041 -0671

+036
-065

+3608 1
+340 2
+346 3



995 175 440 877 +036-065 +38 -031 +18 -220

-035 031 006 -005 -142 175 +333 +6 +33

-1 +42 +5 02

+39 -15 -4

-1 +42 +4 019

+35 -16 -5

-2 +43 +2 017

+39 -19 -4

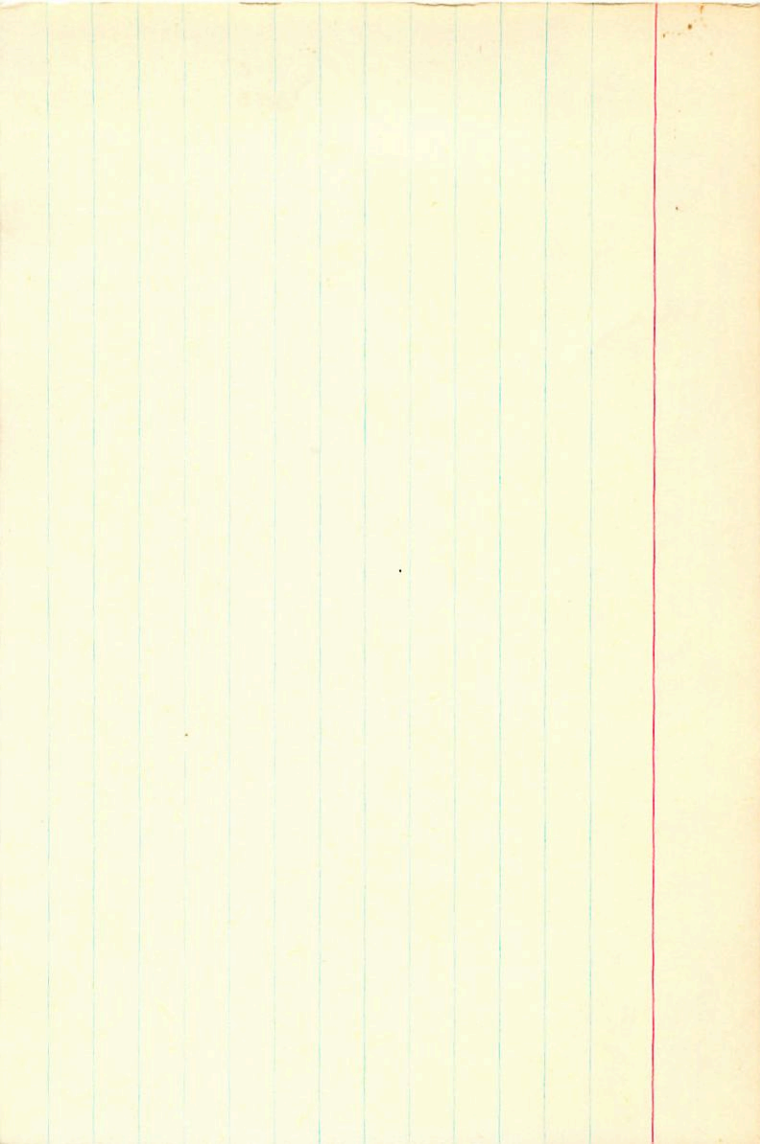
35062
~~34697~~

J 19.5 +18 5-F 8 6-5 +39C

+180836

7.6

+017 -006 Y
-001 -015 G 1950



35162 5 19.7 -24 49 5.4 962 $+4.5a$
 $\begin{matrix} -0018 \pm 3.8 \\ -0016 \end{matrix}$ $\begin{matrix} -013 \pm 3.4 \\ -014 \end{matrix}$

3221

6596 43.021 1898.8 -24 49 13.02 1893.3

AD53594

$\begin{array}{r} 092 \\ \hline 113 \end{array}$

$\begin{array}{r} +74 \\ \hline 12.28 \end{array}$

43.039

41.8

13.41 1940.60

$\begin{array}{r} 6 \\ \hline 045 \\ \hline -068 \end{array}$

$\begin{array}{r} +47 \\ \hline 12.91 \\ \hline -.66 \end{array}$

-0019+6.7 -034±5.5
+002 -043

35035 5 19.9 +28 25 43 +45.78

6600 7.4 -025 -034 C

3223 1599.6 +28 25 22.13 -020 -024 Y
177 1597.9 -022 -027

-22 -33 64.2
-5 -42 200
-14 -38

23.90 46.64 1937.87

35440
22.10

33.4

3997

51.598

977

51.947

22.38
-1.52

1928.05

21.98
22.82

22.77

65.92
33.0

35.1

+005
6.002

5020
23

995 17v1 476 580 -622 -034 +45.7 -016 +32 -142

022 016-004-003 #15 057 +40.2 +7 +40

+19 +46 +5

01

18000

+46 + 0.11 +996
-524 +925 + 40
+822 +565 -77

-0075 -0020
+0494 -1485
-0719 -1017

-0095
-0951
-1736

+43.8
-16.2
-349

+45.5
+1.8
-3.5

110 TAN

35189

5

20.7

+16 39

6.1 A1 +20.98

3231

6623

44.339

1503.4

+16

39

13.79

1901.9

$$\begin{array}{r} 83 \\ \hline 422 \end{array}$$

44.307

~~26~~

~~35~~

44.331

+36

367

64

$$\begin{array}{r} 355 \\ \hline -067 \\ \hline \end{array}$$

$$\begin{array}{r} 14.20 \\ \hline -55 \\ \hline \end{array}$$

$$\begin{array}{r} 14.20 \\ +12 \\ \hline 74.32 \end{array}$$

$$\begin{array}{r} 79.30 \\ \hline \end{array}$$

$$\begin{array}{r} 14.12 \\ 18 \\ \hline 1934.2 \end{array}$$

$$\begin{array}{r} 11457 \\ \hline \end{array}$$

44.335

27

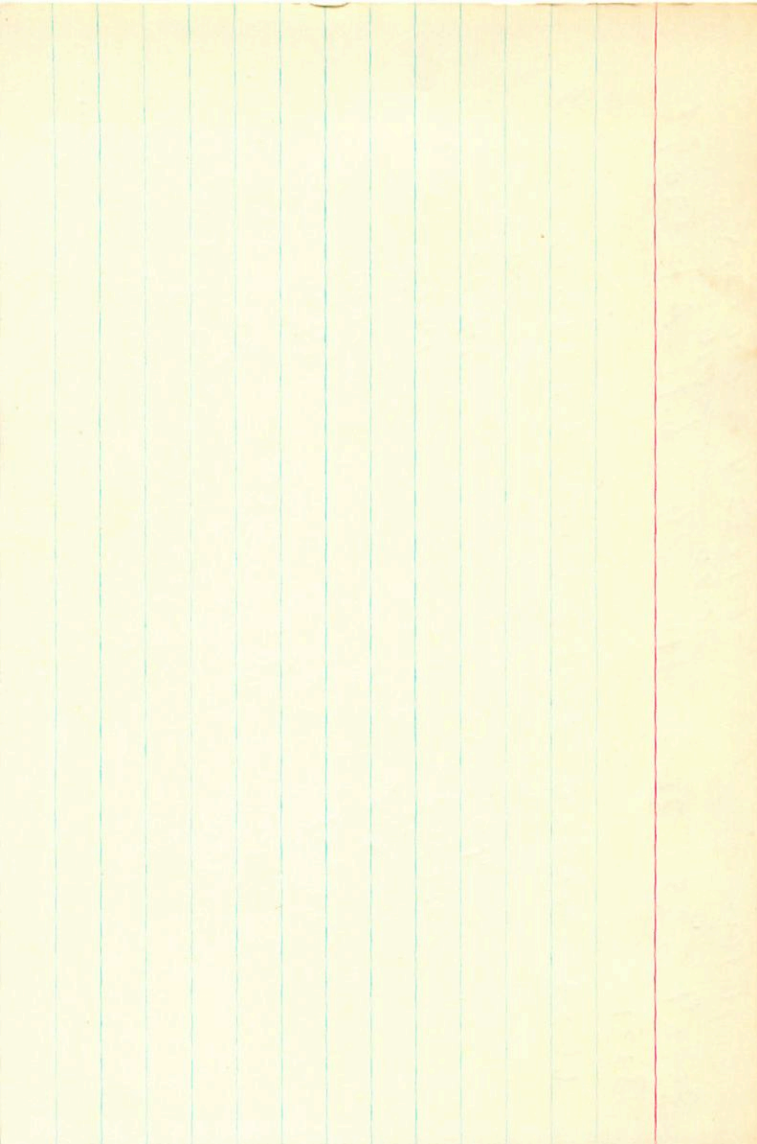
362

343

$$\begin{array}{r} 13.81 \\ 16 \\ \hline 13.97 \end{array}$$

$$\begin{array}{r} 1940.05 \\ \hline 38.2 \end{array}$$

3613



A053984

35186

5 21.3 +37 20 5.2 GAS -19.16

3237

6634

15.0

21

-0002 -016 N30

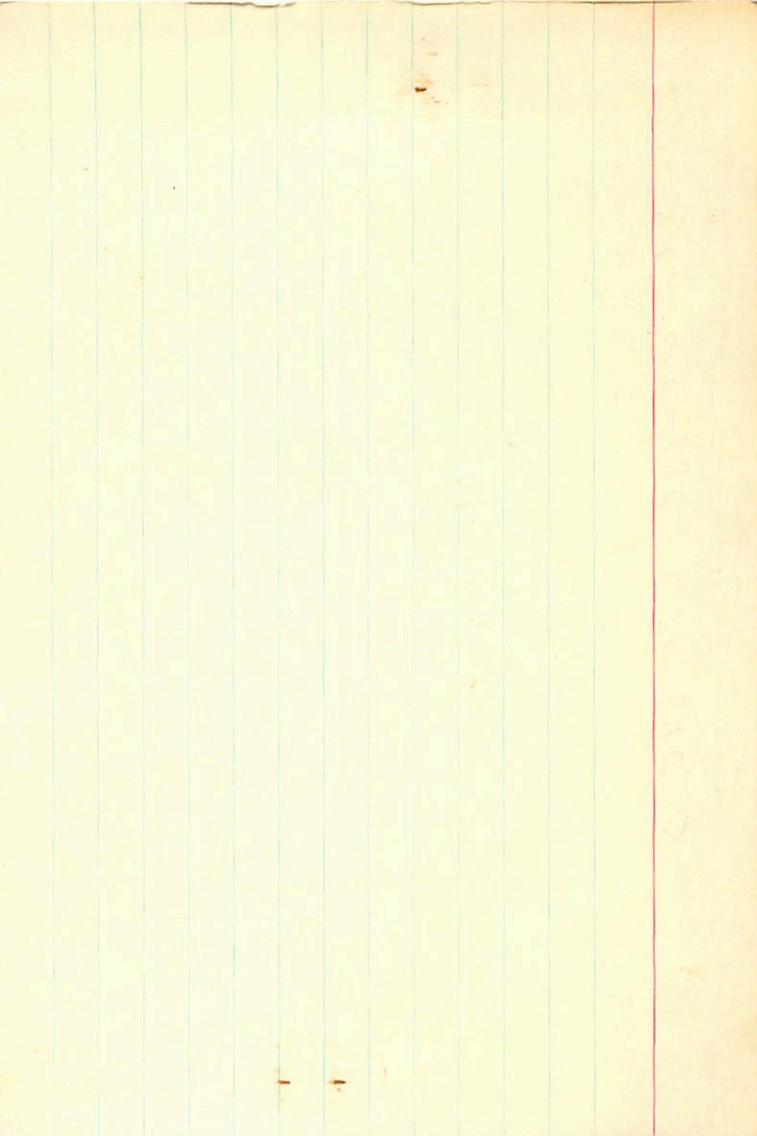
+0002 ±1.9 -010 ±1.9

RRMB

-20.60

-18.815

19.55



HRTMS

5-214

+31

11

622-1111

+40C

+864①

-00268 -0083 26
+ 32

-00286 -007
28

-0026
-033 -007

30
3



1775.000*

5.000*

21.400*

31.000*

11.000*

-0.033*

-0.007*

5.500*

125.893

40.000

-0.011

0.996

38.419

0.060

0.076

10.665

-0.148

-0.045

39

-0.000 0.000

35536

5

22.7

-0003

-10

22

5.9

9125

+56.68

-0012 ± 8.0

-0116

-02156.7

3253

35.994

1858.0

-10

22

20.99

1894.5

6672

062

+1.17

1894.5

$$\begin{array}{r} 40.056 \\ \hline \end{array}$$

$$\begin{array}{r} 19.82 \\ \hline \end{array}$$

$$\begin{array}{r} 29.226 \\ 10.728 \\ \hline \end{array}$$

$$\begin{array}{r} 43.40 \\ 23.82 \\ \hline \end{array}$$

$$\begin{array}{r} 1934.29 \\ \hline \end{array}$$

$$\begin{array}{r} 40.009 \\ 18 \\ \hline \end{array}$$

$$\begin{array}{r} 19.58 \\ 11.27 \\ \hline \end{array}$$

$$\begin{array}{r} 20.52 \\ \hline \end{array}$$

$$\begin{array}{r} 0.4 \\ 1.1 \\ \hline 0.19 \\ \hline \end{array}$$

$$\begin{array}{r} 20.30 \\ +30 \\ \hline 20.55 \\ \hline \end{array}$$

$$\begin{array}{r} 20.52 \\ -0.70 \\ \hline \end{array}$$

$$\begin{array}{r} 11.747 \\ 28.216 \\ \hline \end{array}$$

$$\begin{array}{r} 1941.08 \\ \hline \end{array}$$

$$\begin{array}{r} 75.39 \\ 37.7 \\ \hline \end{array}$$

$$\begin{array}{r} 53.42 \\ 32.91 \\ \hline \end{array}$$

$$\begin{array}{r} 1941.40 \\ \hline \end{array}$$

$$\begin{array}{r} 40.063 \\ \hline \end{array}$$

$$\begin{array}{r} 39.7 \\ \hline \end{array}$$

$$\begin{array}{r} 20.50 \\ 20.17 \\ \hline \end{array}$$

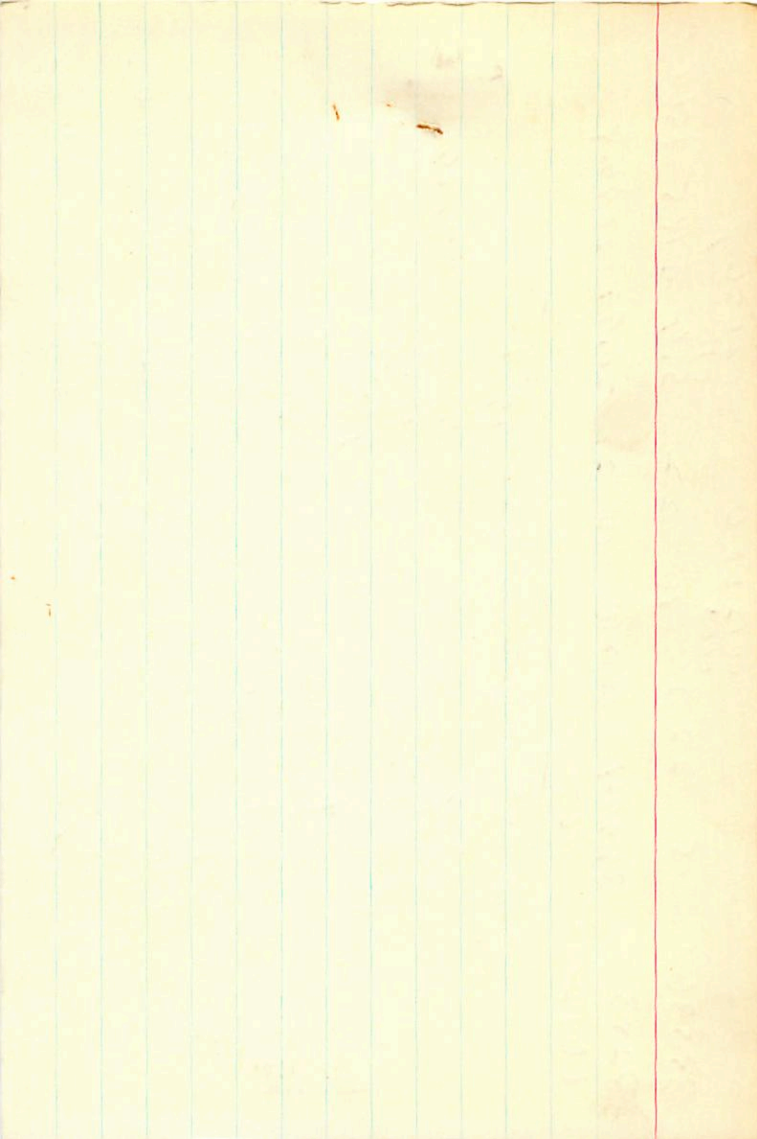
$$\begin{array}{r} 28.10 \\ \hline \end{array}$$

$$\begin{array}{r} 0.0 \\ \hline 0.06 \\ \hline \end{array}$$

$$\begin{array}{r} 39.7 \\ \hline \end{array}$$

$$\begin{array}{r} 20.17 \\ 20.17 \\ \hline \end{array}$$

$$\begin{array}{r} 43.5 \\ \hline \end{array}$$



-0.55 +0.97 +5.98 (3) cut
5 20.1 165 +28 84 182 107 111

755

2902
2703
100

1.65 -13 -49 319 80 609
140 2.703 8 cut
169

2.7 2.65
1.65

FNY +8.06

$\bar{M} = 1.32$
 $\bar{M} = 1.60$
3

BTam
HR1791

+16
281

+00197 -1748
-18 -4
+00179 -1752

E = +03
V0 = 1.56 3.15

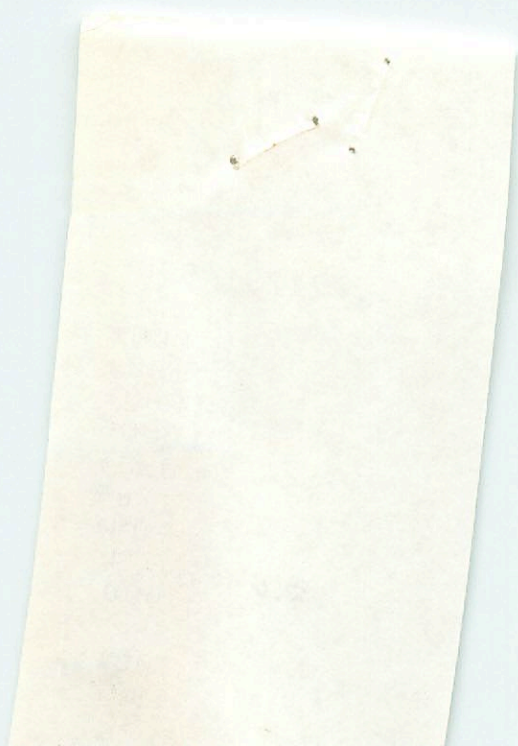
+0227
+0227 -176

0-V -16
u=0 -51 MV -1.6

+0247
+024 -175

+16
-20

270



1791.000*

5.000*

23.100*

28.000*

34.000*

0.022*

-0.176*

2.700*

34.674

33.6

8.000

0.001

0.997

Double

35736 5 23.8 -19 45 dFY

4R1812
620066

5.84 +0.42 +0.289

1.282 .163 .517 2.669 (3) 2,4416

$\frac{1.282}{2.47} = \frac{.157}{.100} = \frac{.522}{1.500} = \frac{2.669}{5.114} =$

2.87 +0.525 -0.04 2.899

$\frac{.58}{.344} = \frac{.165}{.884} = \frac{2.591}{26,12,10}$

~~3.23~~ +44

H¹²

[m] 211 229 +22

[c] 464 315 29

(+295) A

H²⁷

B 23806

36.3 no. +40 2.7 = 3.8 +2.0 -5.9 -33
-55 -62 -14

36.3 ps

067 753 655
-554 573 -602
824 324 -456

+0127 -0678
-0105 -0515
+0157 -0242

-0551 -2.0 +4.0
-0620 -2.2 -3.7
-0135 -0.5 -2.8

+2.0
-5.9
-3.3

HN1808 5 24.3 +17 55 +19.0

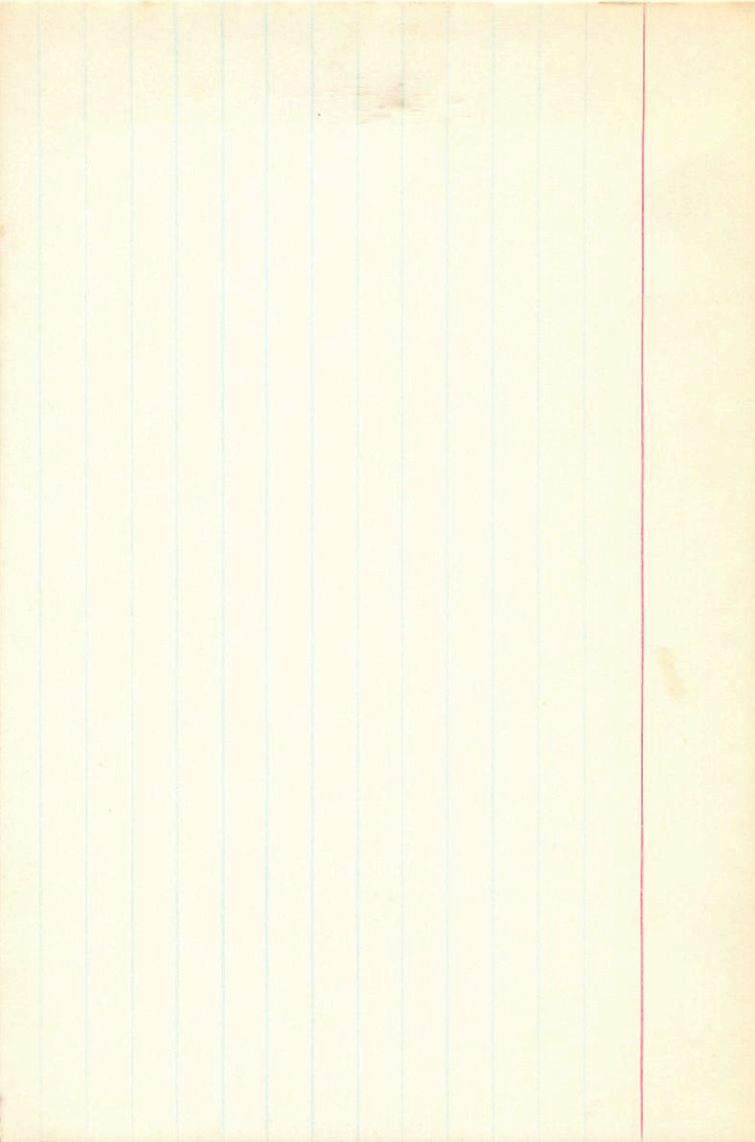
115 Jan 1955 +13.3 (20)

5.42 -0.10 -0.54

-1.45
+0.0001 -0.22 N30
+0.0004 -0.26 GC →
+0.0002 -0.24

067 140 980 +0010 -0.216 / -0.206 +18.6
-556 822 -122 -0080 -0.935 / -1.015 -2.3
829 536 -140 +0118 -0.610 / -0.492 -3.0

+0.003 244 m.
+13.6



+590886 5 24.2 +59 05 10.7 g

2 10.08 +71 +14 1 Sausage
9.89 +75 +33 +32.7 ± 0.6

+50050 " -270 Hedge

+094	-500	+861	10172	+6399	+6571	+93	+2802
-567	+687	+459	-1038	-8754	-5752	-82	+189
+819	+531	+220	+1499	-6796	-5299	-45	+7.2

1800 5 243 +34 247 +33

35620

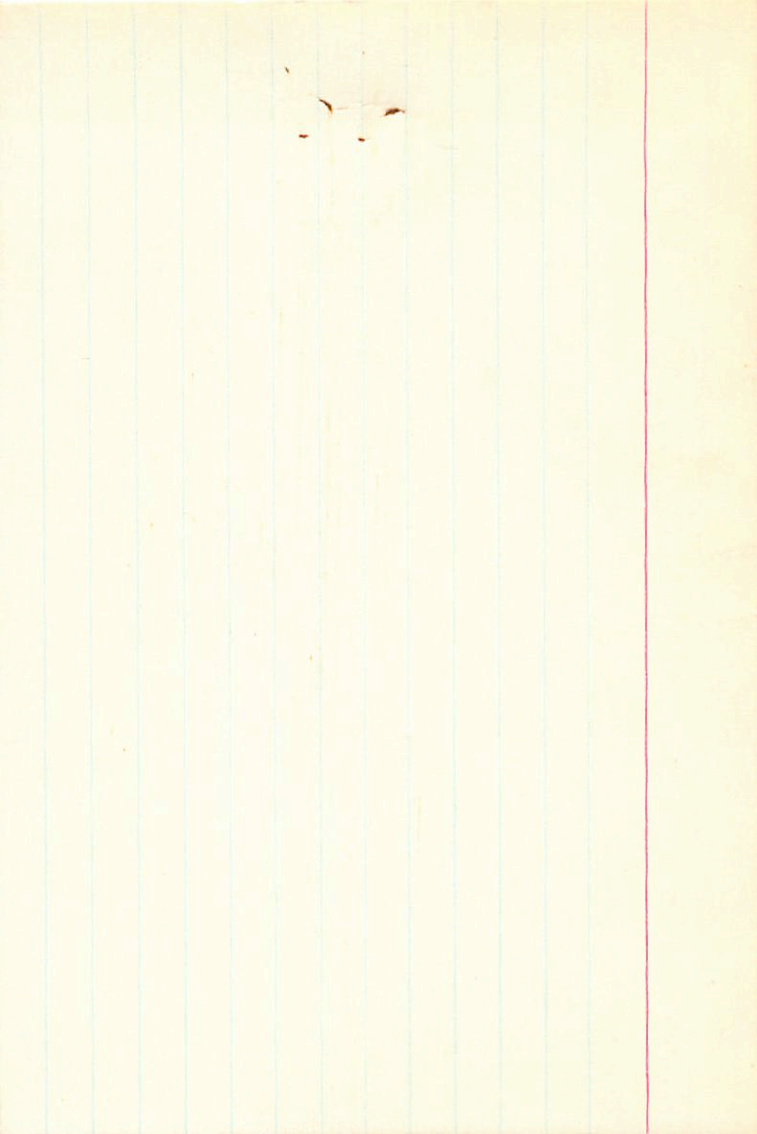
952 +110 +204 0 1000

1.367 1.194 400

507

27.5

of date



5.49 118
5.11 148
137597 25.1 -37 11

6.22 56 E 106

6.86 5.4
+1.65 11.8
+1.75

7.03 1.63 M4 III
+370

6.22 23
+0029 -033
+ 17 + 30
00307 -0309
+0365 +0327

8.15
-029 ±6 CP

5.28 1.14
490
1.48
+0029 -033
+ 7 + 19
+0036 -023
+0.13
P.C. 10.0
↓

7.07 + 1.66 + 1.73 34036
+ 8 + 9
+039 -020 5.13
505 8.13
1523
30

5.64 + 1.22 3

5.27 1.69
3.55 8.05 400.00

-494 -049 -808

-1007 +0050

-0954 -38.2 -70.3 -32.1

666 620 -414

+1357 -0696

+0679 +27.2 +11.9 -15.3

-559 780 274

-1039 -0854

-1993 -79.7 -69.6 +10.1

552 1.16 434 400



41



14

137597.000*

15.000*

25.100*

-37.000*

-11.000*

0.036*

-0.027*

8.200*

436.516

37.000

-0.078

-0.868

-66.013

0.034

-0.416

41

-0.357

-0.196

0.271

-75.369

H0362F3

5 25.6 115 43

+Y9A

$$8.64 + 0.67 + 0.12 \underline{655}$$

$$S = 0.9$$

$$-0.38 - 37466$$

$$\underline{-0.345 - 38255}$$

$$-0.36 - 328$$

589 148 271 563 -036 -328 +49 -102 +13 -1.725

036 101-005-015 236 454 +7 +47 030

1 54-21
7 -28-34
-13 -10-21

1 58-29
6 -30 -44
-19 -11 -29

+15 +62 -45

+34 -55 -44

+17 +66 -59 024

+31 -66 -54

H034137

5

25.5 -46 08

+0.5413 (4)

+0006 ± 10.0 -04458.7
+0015

-009

7.70 +0.40 F32

+017-055 15

Feb 755

50.626

1401.0

-46 5

349 1522.9

-039

1.597

2.40

1.09

8.203

42.440

50.645

118

40.6

14.94

1222.6

15.92

1.02

77

8324

41.6

657

654

+0.62

1.79

603

4137

50682

9

673

4.02

-1.93

1555.86

4.02

-1.93

1555.86

959 149 -721 653 +017-055 +0.8 040-0.6-180
-017 -040 003 006 -109 -175 +0.6 +0.1 +0.6

01

-10.5-16.9-15.6

-24.5-11.6 +30.2

-7.2-11.1-12.6

015

35941 5 260 +20 24 15 +40c

7.4

+032 -025G

+023 -0187

+030 -025

349 937

1

+ .038 + .41

+11.7①

5 26.5 +29 09 dF2

57.15

APR 22

+24.15

666772

-0501 20

.30

+24.90

-48

40

1.326

00201 -0472

+13.2

92 205 +25 500

00201 1.326 608

③ 2.62

[m]

470 12.8 / 53

02263 [266-048]

4430 5120 0544

④

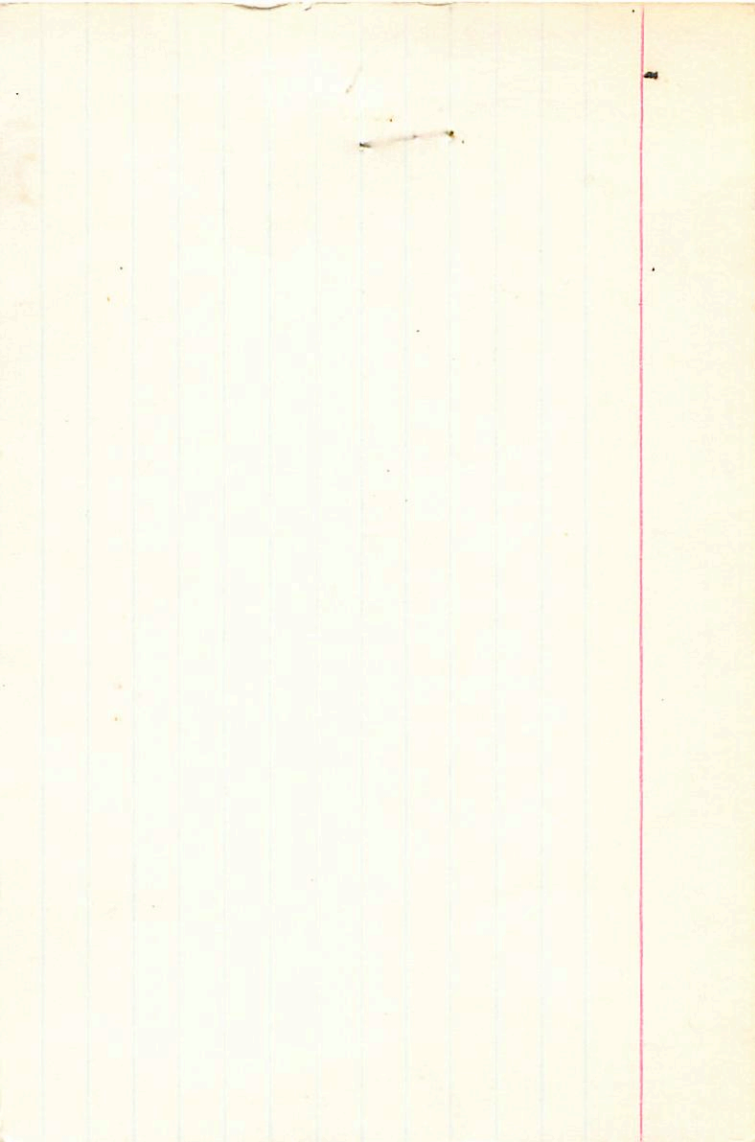
+13.2

446 -46

+13.2

5500 +13.6 -12.7 +1.2

+9 -234 -35



35984 5 26.5 +29 09 6.2 dF2 +13.26

3309

6772

23

+0018 -038 N30

+0017 ±4.0 -055 ±3.3 GC → N30

-046

+0017

258

(+40.9)

~~0800~~ 0117

~~0017~~ 4.66

+022 -046

3.3

5500.

+13.6

-12.7

+1.2

067 000 998

- 556 831 037

829 557 055

6070 000

-0580 -1812

0862 -1214

6070 +0.4 +13.2

-2392 -13.2 +0.5

0352 +1.9 +0.7

42

0.00

0.00

13.300

MODULUS :

0.00

DISTANCE :

4.000

PM. DEC. :

48.000

PM. R.A. :

38.000

DEC. :

52.150

R.A. :

0.450

0.00

R.A. :	5.450
DEC. :	29.150
PM. R.A. :	30.000
PM. DEC. :	-48.000
DISTANCE :	4.000
MODULUS :	63
VEL. :	13.200
	059

5 26.6 -37 10 A1

1885

3687

6774

5.56 +0.02 (+0.3) C

+000X +063
+000PM +064

10
2905 17112440

5.53 009 157 1120

318
159

1.7

+0100
~~+0114 +062~~

1.50
a=0.25 ✓
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314
1434
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1.118
1.436
1.452

+010 +066

~~0000~~
574
-3725
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+50.4

+0.8 ✓

475 ✓ 7161.3416 0640
6480 9389 0074

+63

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4.25
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43



5.400
-37.250
17.500
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890- 4.700
87110
50.400

0.070
0.913
0.402
277.290
44.403

445

-31

-0.557
0.370
-0.743
73.740
-31.045

-17

0.027
0.172
-0.535
105.062
-17.728

43

289
402 36
0.986
0.088
-0.749 -68
29.065
0.095
-0.527 -48
-10.132

HR1935

±11 1064

+0001 ± 4.5 +073 ± 3.2

14036157

5

26.5⁺⁰⁰¹²₋₀₀₀₇ 16⁺⁰⁰⁰²₊₀₀₀₁ +50.48

3310

5.55 + 02 ± 1.52
5.55 10.02 15.84 ± 0

6774

31.843 1909.9 -37 16 16.34 1904.5 -001 +07362

31
-4
31.839

3.32
19.66

31.887
-5
892

17.15 1939.15
+8
17.10

883

36.5

17.09

93.38
46.7

31.875

+044

64.24

+2.57

42.2

+9
884

31.865
+29
883

15.63
-7
15.70

17.14
-6
17.08

1934.20

989 146 -606 753 ⁺⁰⁸ ~~1001~~ +1024 +504 -044-31 225 241 ⁻⁰³⁹

-013 039 ⁺¹⁰⁰² ~~1002~~ -006 -033 225 +400 +6 +40 016
194

+8 +53 -14

[+41 -31 -23]

01

+9 +61 -3

[+54 -25 -19]

0 "47-7
2 24-11
3 -9-7

+4 +53 -15

015

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1835.000*

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-0.749 -68

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