

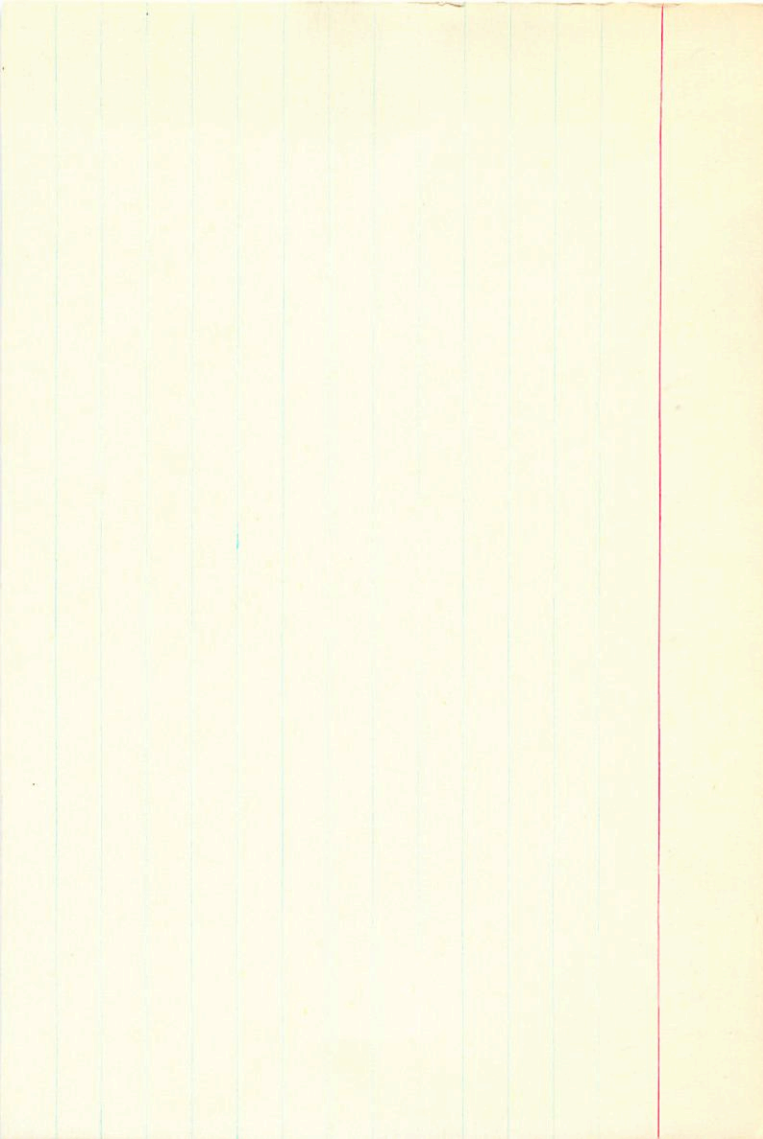
177983

+1503690

11563

19 04.1 715 47 7.2 A5 -43.98

+0005 +023 6250



-0020 ± 13.0 -055 ± 19.0

177688 1904.1 -43 00 60 14 -10.6 ± 0.8 S(84)

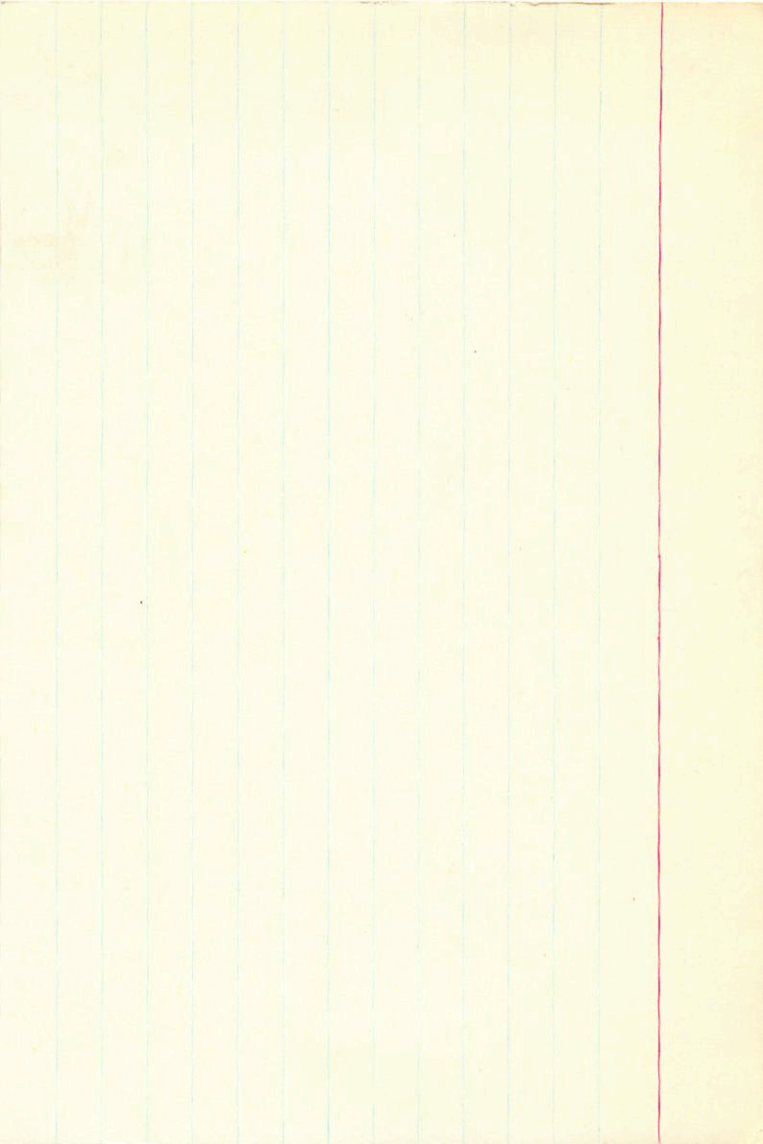
9.01 + 51

5.770 1906.2 -42 59 47.83 1907.7

9742 }
-1878 }
9833 }

2256

-0022 -030 CP



A0512040

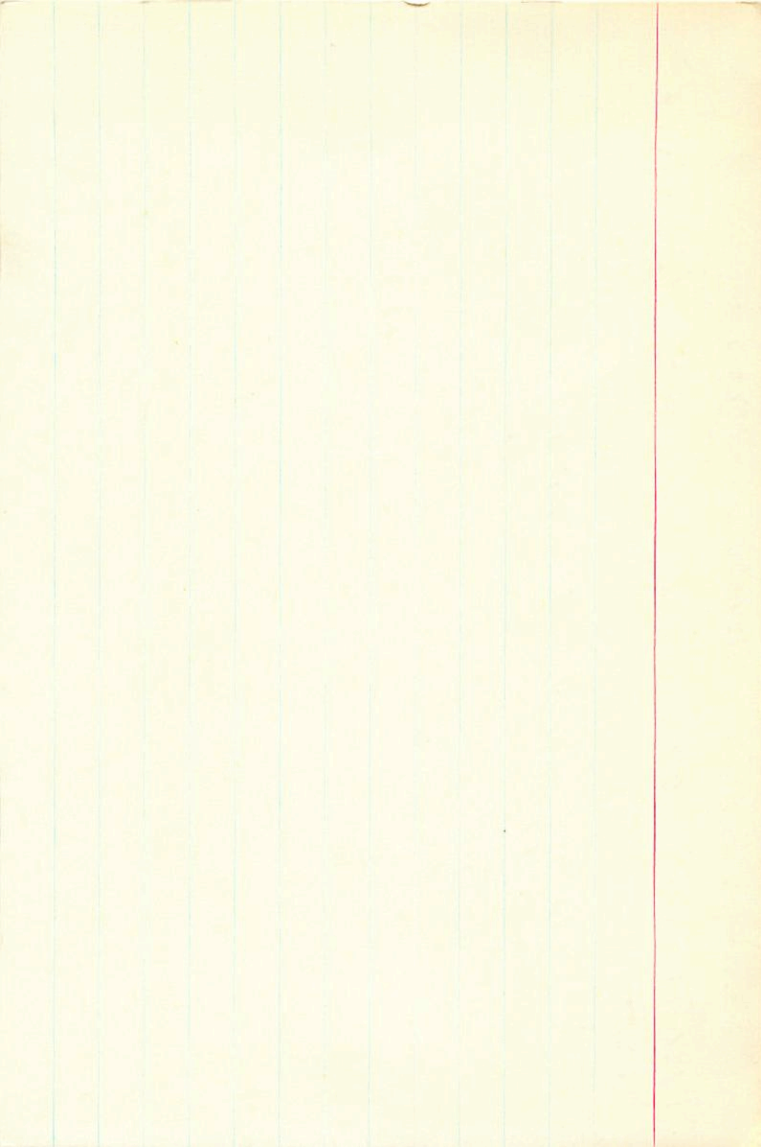
+004424.2 -01762.9
62

178091 19 04.2 +30 22 8.2 dg2 -45.1634

26307 9.7 dg7 -48d14

11564 12.944 1908.1 +30 21 37.09 18966

-184
760+74
37.8312.58
13
189338.2 1929.7
-29
37.91



178187

19 046

+24 10

5.7 A3 -21.98

26310

11567

33.214

1900.5

+24 10

18.82 1899.7

$$\begin{array}{r} -183 \\ \hline .033 \end{array}$$

$$\begin{array}{r} 18.07 \\ \hline \end{array}$$

33.190

$$\begin{array}{r} -6 \\ \hline 184 \end{array}$$

B2

18.99 1940.11

$$\begin{array}{r} -4 \\ \hline 18.95 \end{array}$$

33.144

$$\begin{array}{r} 148 \\ \hline 164 \\ \hline +133 \end{array}$$

33.9

19.04 1929.20

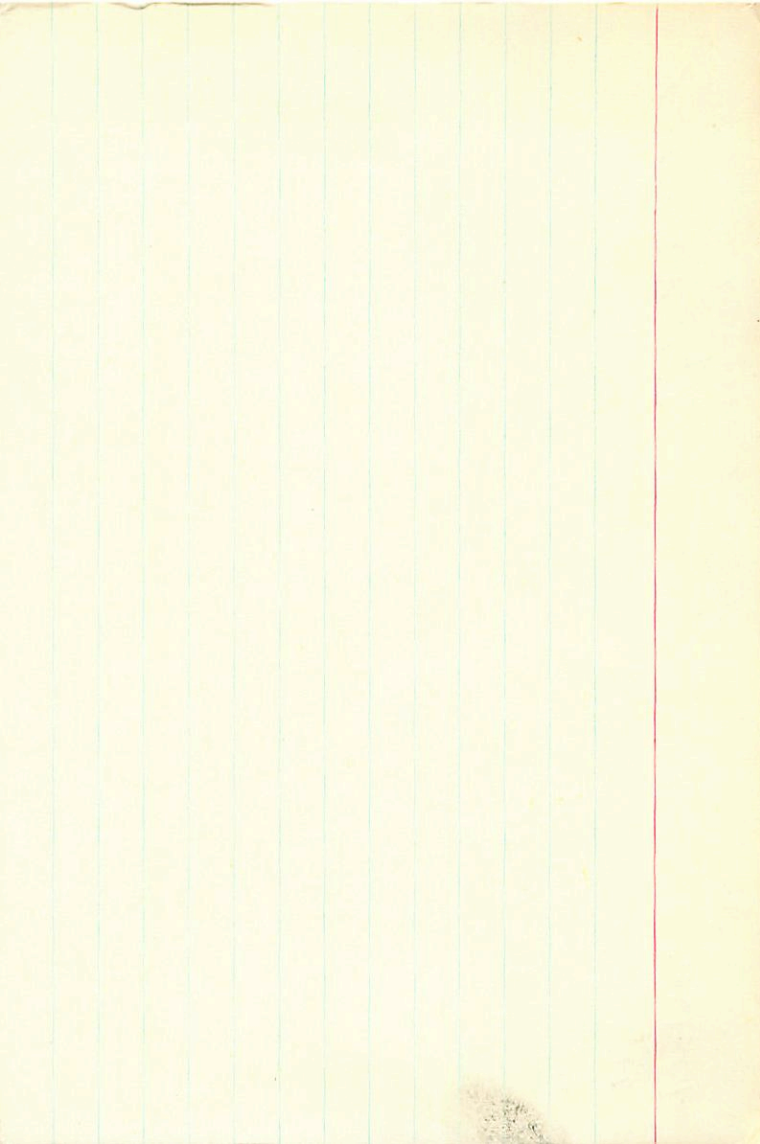
$$\begin{array}{r} -16 \\ \hline 18.88 \end{array}$$

693.1

34.7

35.0

$$\begin{array}{r} 1890 \\ \hline +.83 \end{array}$$



177389 19 04.6 -68 30 5.3709 -9.98

2603

11568

¹²
+0303 -043¹² 1130

+0286±3.7 -052±3.5 CC → 1130

2357

7248

19 04.6 400 33

-17.3

6.57 days

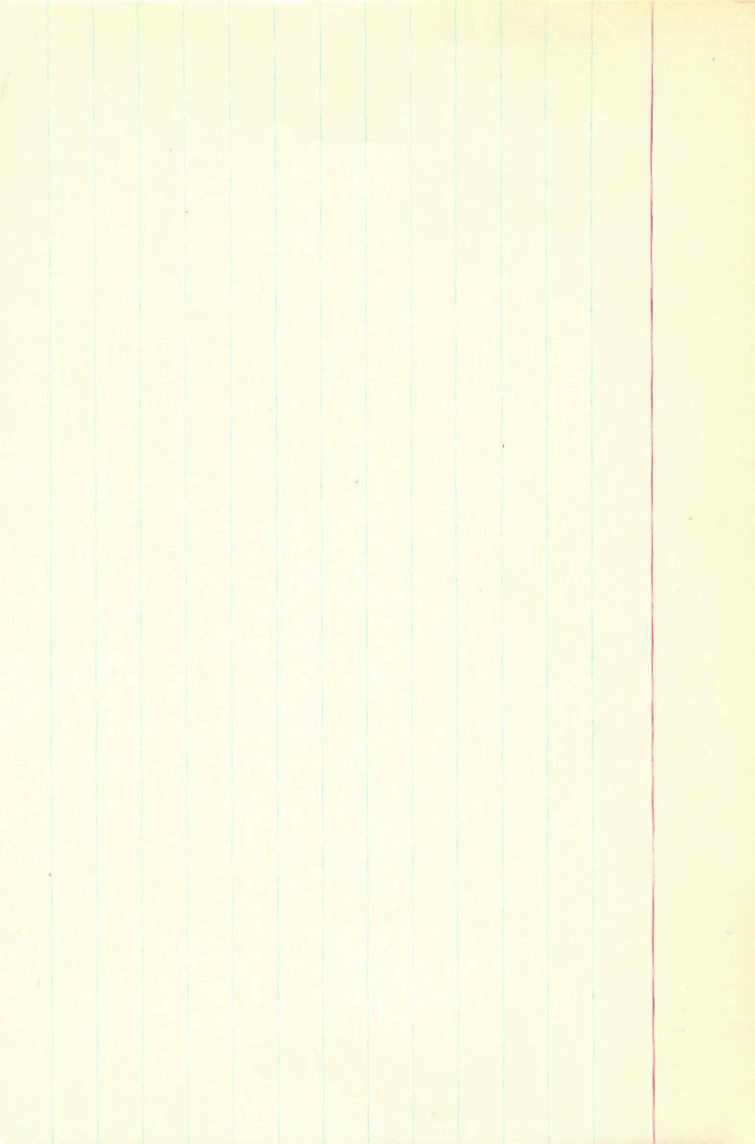
18 Aug

178128

26315

11569

B7V sp.B. P = 1.3
19 04.6 +11 00 5.1 B8 -18.6a



1.5g
0.4g
0.4g

5.0-4.5-2.80-	1.650-2.507	Leot hnt 988-
0.81-0.41-0.895-	0.960-0.999	2.37 hnt 702
0.896-1.42+13.2	0.887-0.828	2.08 hnt 712

1.2g

2.0-2.0-
1.2g

1.8g

1.8g - 1.8g
1.8g - 1.8g
1.8g - 1.8g

1.8g

-238 ± 1
 -225 ± 6
 -214 ± 5
 -22 ± 2
 → 66 ± 11 GC
 -777 ± 6 new
 -276 ± 7 Y
 system from II (N, M, D)

19 04.6 107 33 DR6 +12.6W(S)

178126

GC26316

W11570

Y4443

~~V5R5243~~

+203867

9.24 +1.07 +0.93 MS-E R

S = 0.3

337
 371
 412
 414
 (circled)

W(17.7)

311 310
 -354 -766 GC
 -318 ± 8 -776 ± 7 Y
 -336 -770

-80 -71 -7 037

-74 -67 -7 .040

-65 -59 -7 .045

-315 ± 5 -776 ± 7 Y
 -314 DR R
 -354 ± 11 GC
 -336 ± 7 DR
 -337 Y R

-238

-225 ± 6

14M(7)
 24Y(10)
 36Y(14)
 490(14)
 2656
 40Y(7)
 32C(7)
 26 ± 6
 37 ± 8

new/46R+4

-0238411.3
-0225

-766410.6
-777

37.819 1409.2 77 32 50.71 1407.5

971

32.56

38 790

23.27

38.172

1.10 1936.47

162

1.02

~~24.920~~

518

23.5

~~12.560~~

38.254
531

736
3.69
19.58

6547
3200
2402

38.336

6.7 1929.0

336

722
6.38

5

~~19.100~~

7.550

-337.000

-771.000

2.200

28

12.000

0.312

0.587

-0.747

-2638.714

-81.642

0.345

0.663

0.665

-2960.592

-73.786

-0.885

0.465

-0.885

-295.818

-0.232

B

$$+69 + 59 - 122$$

$$177693 \quad 1904.7 - 55 \quad 48 \quad N, IV \quad -20.94C$$

$$6.48 + 1.10 (2.20)$$

6626319

$$\begin{array}{r} 101 \\ +0036 \pm 83 \\ \hline \end{array}$$

-123

$$-112 \pm 6.5$$

$$\begin{array}{r} 44.031 \\ 1902.0 \\ \hline 123 \\ \hline 43,858 \\ \hline 7050 \end{array}$$

$$55.38 \quad 1897.4$$

5.89

$$\boxed{+0064 - 110}$$

$$44.49$$

$$274 + 0.57$$

$$\begin{array}{r} 44.11 \\ -14 \\ \hline 30.11 \\ \hline 96 \end{array}$$

$$544 \quad 1938.6$$

-16

$$54.56$$

$$\begin{array}{r} 129.995 \\ 4.2163 \\ 44.214 \\ \hline 209 \\ \hline 209 \end{array}$$

$$11.73 \quad 1432.38$$

15.321

$$\frac{56.68}{56.33} / 56.23$$

-35.138

-0.415

-0.948

-48.398

-0.296

-0.370

55.097

-0.861

0.295

-20.900

125.893

5.500*

-0.110*

0.057*

-48.000*

-55.000*

4.700*

19.000*

177693.000*

M

A05120508^m 4" optical

-0008 ± 5.6 -071 ± 3.4
-0007 -071

178211 19 04.8 +22 06 2.5 dF1 +12.08

26320

11575 45.297 1900.2 +22 5 40.37 1844.9

$$\begin{array}{r} 040 \\ \hline 337 \\ \hline \end{array}$$

$$\begin{array}{r} 3.91 \\ \hline 4428 \\ \hline \end{array}$$

$$\begin{array}{r} 45.315 \\ \hline 314 \\ \hline \end{array} - 023$$

$$\begin{array}{r} 41.43 \\ \hline 41.54 \\ \hline \end{array} 1933.6$$

$$\begin{array}{r} 274 \\ \hline \end{array}$$

4

SGA
 +0029 ± 3.5 -027 ± 2.7
 +0040 -027
 177873 19 04.9 35 4.7 9 R1 +20.3a
 +0024
 26322

11578 52.182 19053 -40 34 34.29 1848.1
 -130
 +1.40 1.5

7247
 3012 9999
 9806 0154
 52.169
 -31
 3488 138 396
 3498
 317 52.256
 3498
 3415
 3411 1940.56
 32,89
 3415
 686

34.26 1956.36
 -12
 34.38 969.2
 48.5
 50.4
 432
 +00408 -028
 +00426 -0263
 00823 588
 00331 4048-028
 +0496
 258
 198
 +146
 -79 18.0
 1.86

R.A. : 19.050
DEC. : -40.600
. R.A. : 0.000
. DEC. : 0.000
STANCE : 0.000
MODULUS : 10
. VEL. : 0.000

q1 (U) : 0.301
q2 (U) : -0.168
q3 (U) : -0.939
dU : 0.000
U : 0.000

q1 (V) : 0.352
q2 (V) : 0.934
q3 (V) : -0.054
dV : 0.000
V : 0.000

q1 (W) : -0.886
q2 (W) : 0.314
q3 (W) : -0.341
dW : 0.000
W : 0.000

15

15

20512054

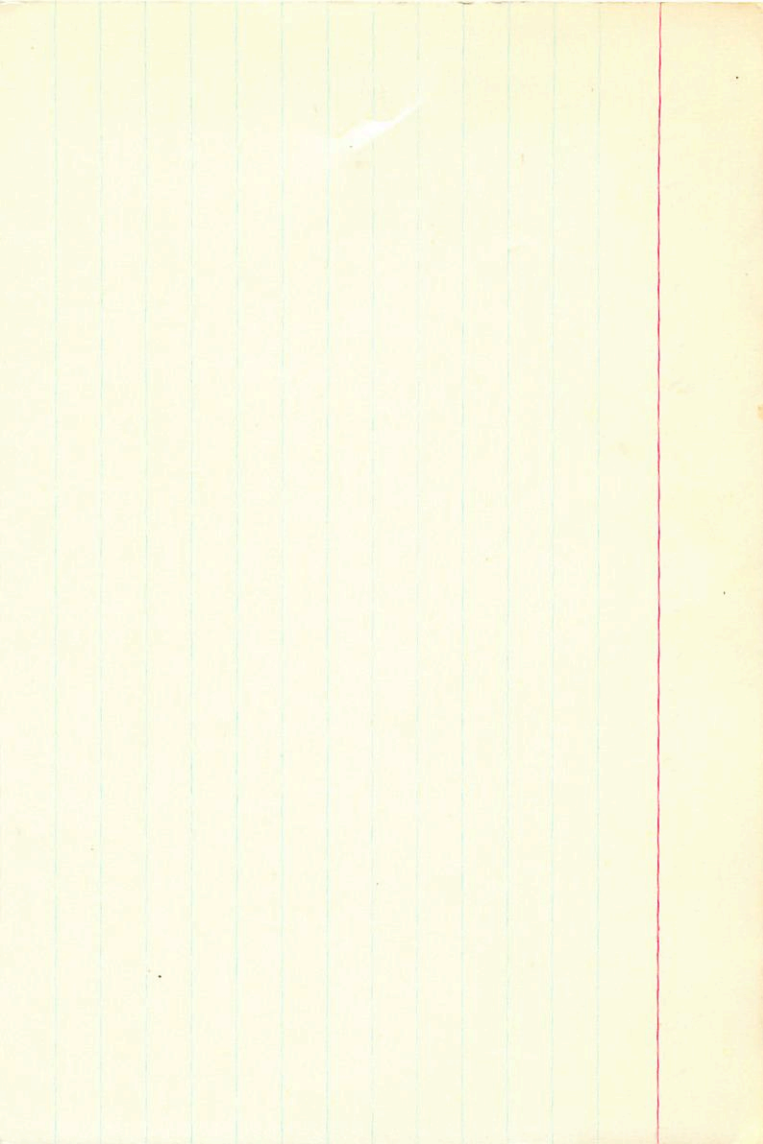
178216 19 05.0 +0506 9-1 60 -71 1 L

+703971

11582

$$\begin{array}{r}
 +026^{18} \\
 -15 \\
 \hline
 021 \\
 \hline
 021 \\
 \hline
 -17
 \end{array}$$

-019 47



+30°3425

178950

19 056

+20 19

967

new
dbs +9 var

9 118

dbs -4 var
+1

115 115

+101 +117

AG.123

110 115

-20.2
dbs

7.63 +0.23 +0.21 0.23

Y2-20.12

V47564

2.15

P2210

16

-204.400

19.100

30.150

127.000

115.000

2.150

27

~~0.000~~

202

0.312

0.829

-0.464

614.284

16.534

25/91

0.345

0.357

0.868

373.778

10.060

205

-0.885

0.431

0.174

-225.943

-6.081

4/4

16


7

R.A. : 19.100
DEC. : 30.150
. R.A. : 128.000
. DEC. : 112.000
STANCE : 2.000
MODULUS : 25
. VEL. : -20.200

q1 (U) : 0.312
q2 (U) : 0.829
q3 (U) : -0.464
dU : 603.776
U : 24.545

q1 (V) : 0.345
q2 (V) : 0.357
q3 (V) : 0.868
dV : 370.118
V : -8.244

q1 (W) : -0.885
q2 (W) : 0.431
q3 (W) : 0.174
dW : -235.701
W : -9.440



Sp. B. P = 22 d

+0037±45 -310±3.2
+0042 -312

178428 19 05.7 +16 47 6.0 dG4 +14.4 a

+0042 -303

26347

+0041

11593 42.633 1893.0 +16 46 38.68 1998.2

-209

59±6
42
+00395 -311
+00415 -307

+067308

42.581 1208 +0594

6607

42.741 385
42.627
780 3414
604
+180

42.9

T-148 Debit

16.06
54.74

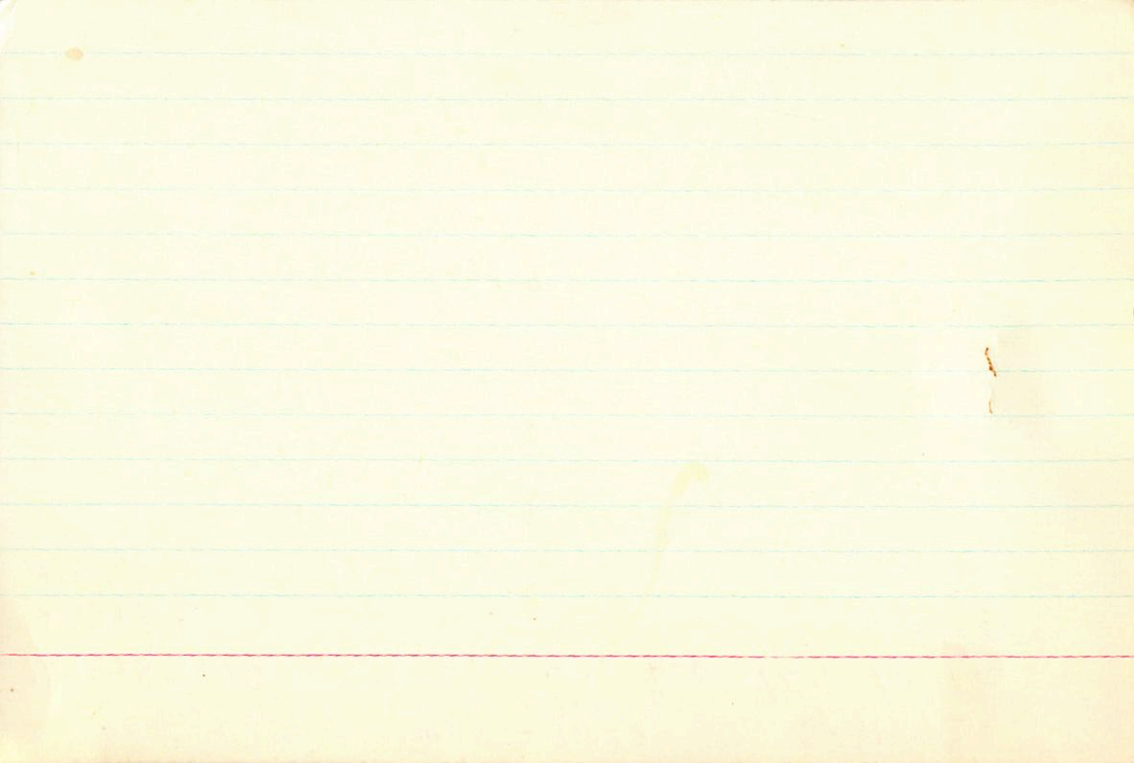
43.87 1933.3
+10

53.97 1939.71

41.49 557 301
+11

41.60 36.5
42.78 38.3
-119.6

8590 5186 3470 -9275



178476
+67 46
+48 407
19

1487263
178474
26355
11595

+0033±4.6 +071±3.8 F-30
+0030 +063
05.9 +21 37 dF=3 -35.7 6

65.9 6.2
+0315 +067
~~10335~~ +072
+0468
+046 +071 6c
+068 6c +

4589 3629
-8667 9318

55,003 1901.1 +21 37
-161
54,842
54,945
-4
941 934

+21 37 3.20 1995.8
+050+074
59 -3.75
59.35

1290
31.5

1933.7

80.4 2.35
1.75
+11

1.66

934

1929.20

+031 +075

1.74
-16
1.56
161

+008 +060

580

35.7

54424 +092
926

4989 3629
-8667 9318

+2.26

454 283 368 530 +046+068-33.7 025-15 256
044 024 013 007 175-175-367-10. +35 02

-144 0

+33-15-4

018

0 +45 +1

+40-19-7

0 +45

17

8

19.100

21.600

~~54.000~~

71.000

2.450

335

30.50

-39.700

96.77

0.312

0.751

-0.582

326.896

33.222

43.1

138.4

0.345

0.482

0.806

232

244.150

01.441

-17.1

178476

HRD63

6626355

19 5.9 121 37 OF3

6.22+43+1 8E996

.288 .138 .538 @SVC 2688

[m] 180

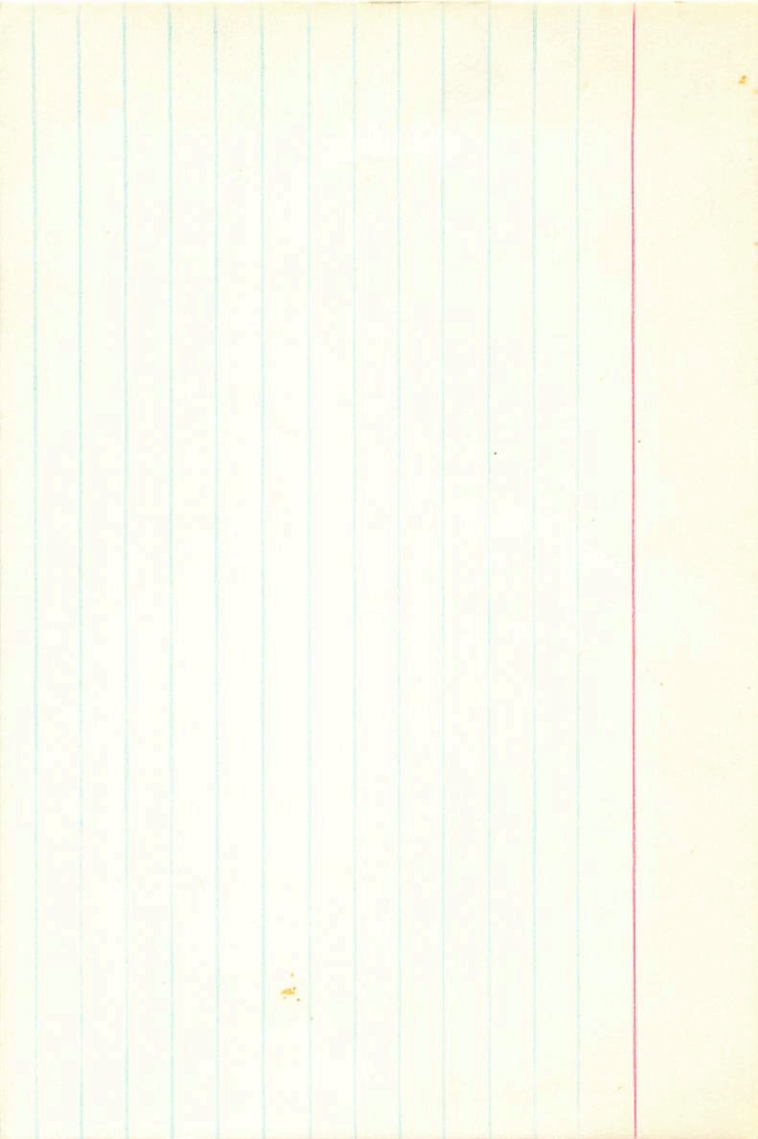
[C] 480

+200+

~~4.74 0.144 1.67~~

3.70 440.8 -18.8 -7.2 -24.8

4321 +240 -54



3634

9 6.29

-43.2

-43° 14'

2.2215

xV ebr

12623

5989

436

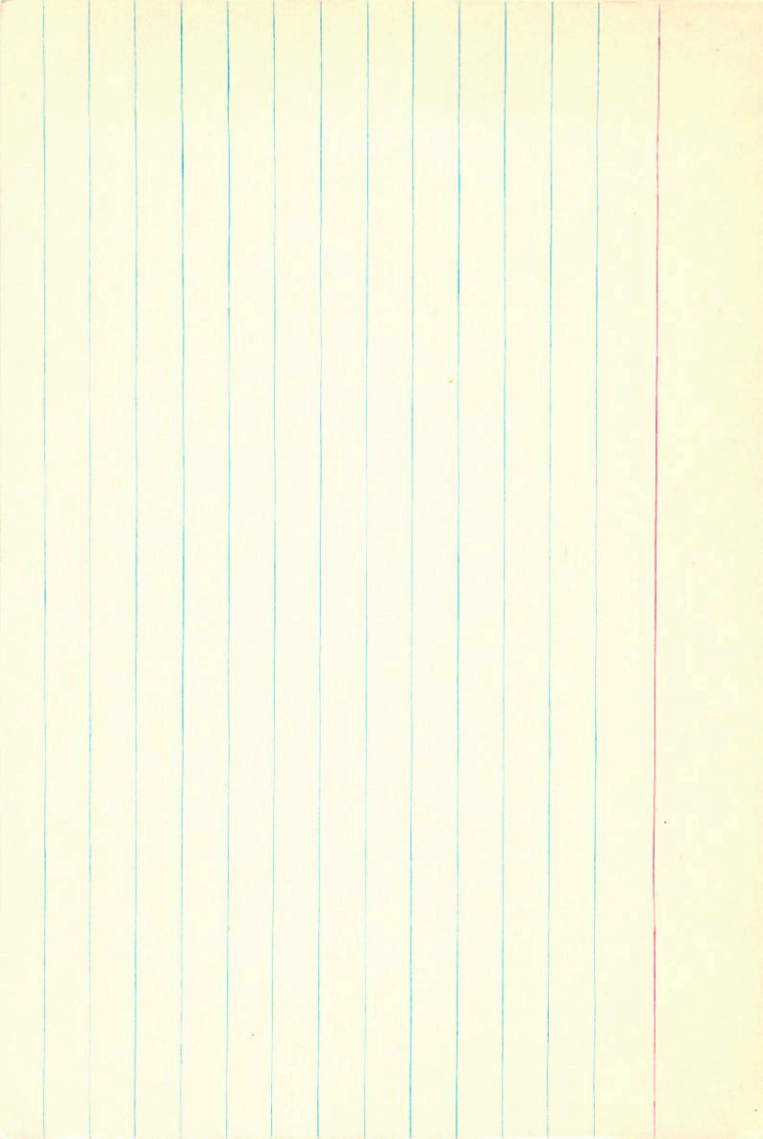
+18.4 a

-00198	+0122
<u>0</u>	<u>11</u>
-0198	+0111

-0.679 0.730 0.073

-0.012 0.086 -0.995

0.734 0.676 0.049



+0042±13.0 -039±13.0

C₂(4)

178395 1906.8

-42 ~~49~~ K0.14

-26.9±0.6

26388

9.29 +1.09

50.488 1905.5

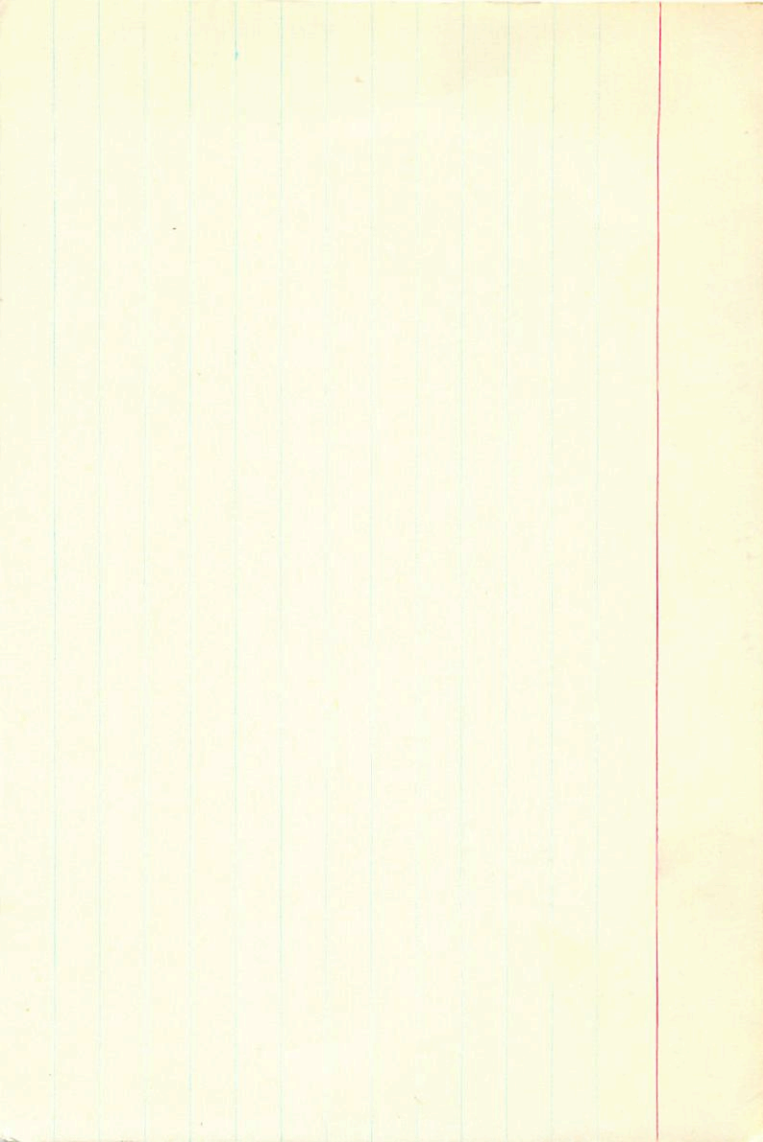
-42 48

40.04 1905.2

-187
301

1.75

38.29



Π Seg

19 06.8 -21 06 -9.8a

HR 7264

50 ps.

3.0

F21

-001 -040 GC

+002 -036 ✓

000 -037 ✓

000 -037

+0002 -036

+0002 -036

+ 2 -037

+308 +158 -938

+347 +900 +266

-886 +407 -223

+0041 -0277

+0046 -01579

-0118 -00713

-0236 -1.2 +9.2 +8.0

-1533 -7.6 -2.6 -10.2

-0831 -4.1 +2.2 -1.9

-955 288 -360 533 000 -037 -9.8 ^{0.13} 1308 +3.5 -161
00120 004 -019 057 -9.1 -2.6 +8.7

-4.5 14.4 -12.6 01

AD 178717

19

4.6
07.0

+10

4 x
10

Part II

+13
+5

(14)

+0003501

W11618

Handwritten note in a box: *Handwritten*

Mathematical calculations:
 $+002 - 0154 \rightarrow -005 - 015$
 $-7 \quad 0 \quad \rightarrow \quad 0 \quad +4$
 $+0.0001 \quad +0.001$
 $\quad \quad \quad 0$

5
Handwritten note: *Handwritten*

+000

7.10 + 1.88 + 2.01 3 20

Handwritten notes:
46 476 736
522 25
6000 +13

Handwritten note in a circle: *Handwritten*

+120 250

26

+0060

+0065

-0168

9

1276

63

1,825

68

525

570

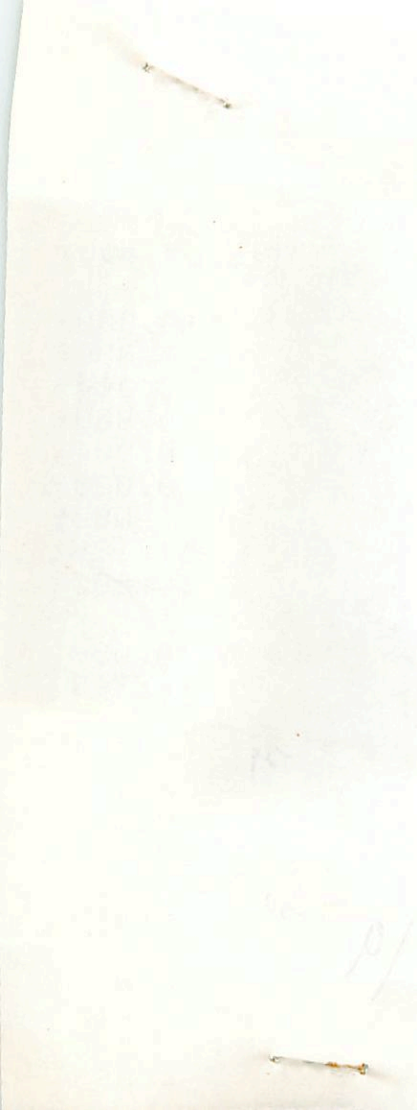
532

74

488

1

1



175717.000*

19.000*

7.000*

10.000*

10.000*

0.004*

0.000*

7.000*

251.189

~~13.000~~

0.006

-0.718

29

-7.834

0.006

0.696

19

20

10.673

-0.017

0.013

2.

-4.050