

1.88  
626

226  
12

7870 Si 20 - 823 446 31

196178 -071 4129 463 2.707 2  
3C1961 116 6414 477 274

2262 2722

994 426  
856

994 426

577-0045-5155

1212

Paul

±0030

14 +40  
+0008-004 62+

4004 000  
4004  
4004  
4004

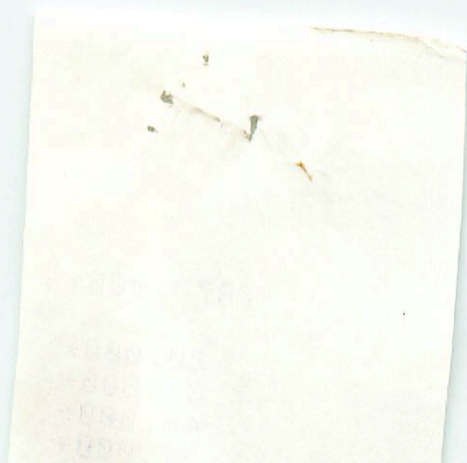
4004  
4004  
4004  
4004

994

4004

4004-004

11



7870.000\*

20.000\*

32.300\*

46.000\*

31.000\*

038 217 1063 10000

93 dia

20 32.2 474 47

7879

+74

+334

196502

507 237 1064 2964 26

238 1063 2915  
51250

+0002 -0116 27

+0002

496  
1539  
1552

2=047  
1=073 2/6

Top 210  
1000

124

12

12

7879.000\*

20.000\*

32.200\*

74.000\*

47.000\*

0.007\*

-0.014\*

4.650\*

85.114

7.400

-0.030

0.297

-0.371

0.033

0.891

9.391

-0.059

0.343

-2.510

+10.9 balance  
73 Dec 20 32.2 +74 47 Aug +9.2 8 / +10.9

5.15 +0.07 +0.13 +0.07 -0.15 6c  
-0.2 -0.05 1130  
+0.04 -0.10

014



-788 616 965 262 1004-010 +A 0-010 +10-014  
003-008 002-006 043-025 +24 +2-2 016

$$+4-4+5$$

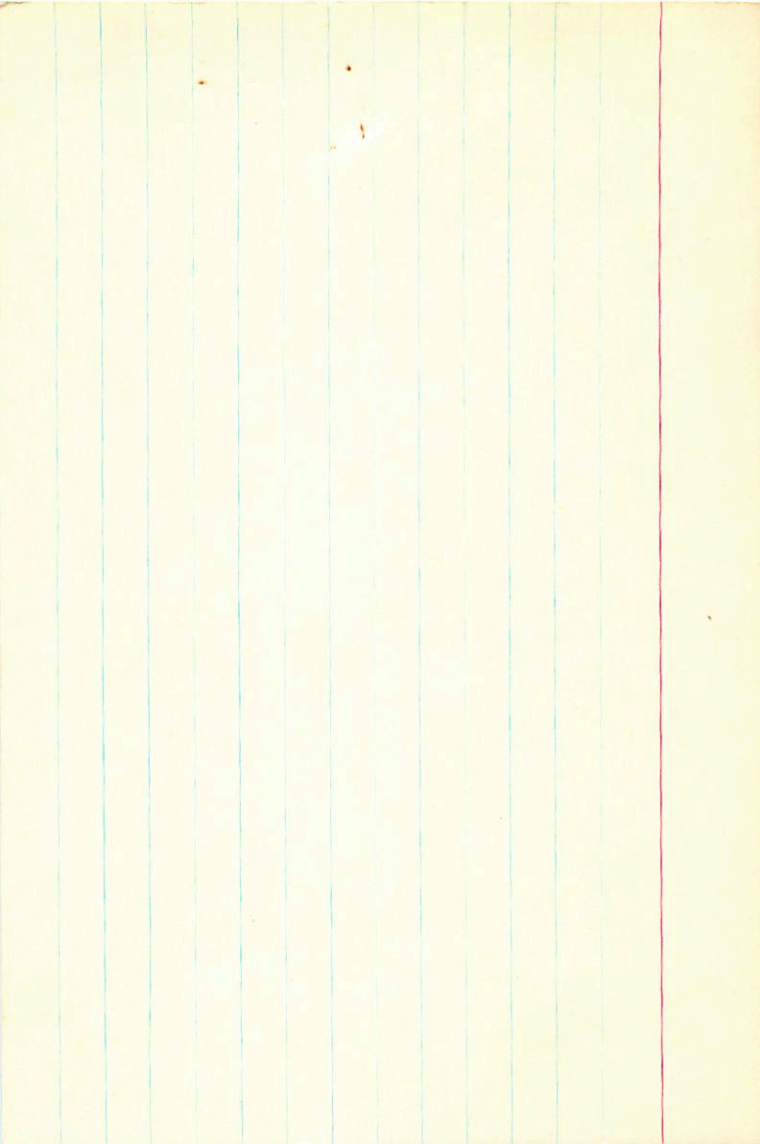
0+6+2
-------

?

+5-4+9
0+11+1

014





132.54

88

20 347

17 52.0

20 347

146.42

904

6.21-08-39

6.23

0000, 5K

6.22-027

2739 RY, I, J, K

0002

46  
821  
181

0003-016 GC

809

0001-0145 F14

6.22-020 096 623 2.781

-23.3

$M_V = -0.55$

-0015

20.6

$V_0 = 6.05$

0004-017

-18.5

174

6.6

7.5

113

6.6

0005

2.0

113

6.6

21.1

113

6.6

30358  
96095

-0003 ± 64  
-016 ± 3.9

41.82 15004

Σ 44.555 1893.6

014

Joly RB3

74

571

~~0005~~

-014

40.53

Σ 27

~~00015~~  
+0002d

-019

193654

44.583

+0035

41.45

+007

~~+005-020~~

+20

590

41.95

92

44.544

1944.59



13

7878.000\*

20.000\*

34.700\*

0.000\*

-5.000\*

0.000\*

-0.017\*

6.600\*

160

208.930

-23.300

-0.039

-0.640

6.792

-0.060

0.658

-27.893

-0.037

-0.396

1.483





13

7878.000\*

20.000\*

34.700\*

0.000\*

-5.000\*

0.004\*

-0.015\*

6.600\*

6.4  
199

208.930

2208

-23.300

-0.023

-0.640

121

10.115

-0.051

0.658

124

-26.007

-0.048

0.006

20.600  
- 0.100  
5.000  
- 20.000  
6.600  
209  
- 21.100

13

0.601  
0.482  
- 0.637  
- 31.483  
6.862

0.100  
0.746  
0.659  
- 68.338  
- 28.178

- 0.793  
0.460  
- 0.400  
- 62.350  
- 4.578

9879 AF-shua 20 32.2 + 74 47 AP

156502

28639

33 217 1063  
607 237 1064 2.864

239

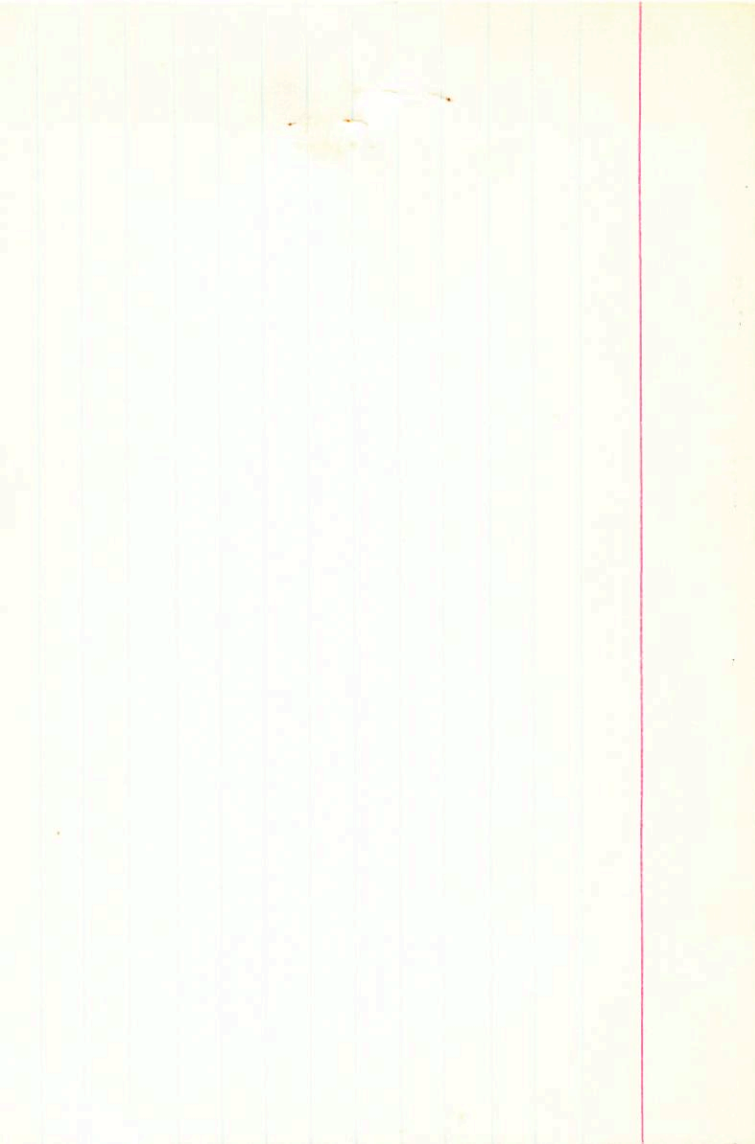
478

1063

1541

300

620 227 1064 2.864





+00077 2.6

+0027 1.9

56.573 989

+0010  
+0005

+004  
+004  
12.98 989

5

$\frac{-035}{-528}$   
-0005

39  
13.177

56.544

+00093 -004  
+00108 -0045

12.60 1957.92

592

27  
12.63

+0145  
+0175-007

56.572

12.77 1940.4

012

24

560

12.78



28.600

26.300

19.500

-7.000

5.350 5.4

5.55  
128.82

117.4920.2

-24.500

0.601

0.715

-0.356

26.091

112

11.788

112

0.100

0.375

0.922

-4.198

-23

-23.074

-23

-0.793

0.590

-0.154

-85.257

14

-7

-6.236

-7



2887

20 37.4

-66

56

5.15 B4 173

146519

124.29

-15 +10 +22 +1 slinto 24

+6 +12 -1.5 -6 +14  $\frac{+5}{+6}$

+0.17 ± 3.2

$\frac{-0.21}{-0.16}$   
-0.24 ± 3.1

23.352  
-80  
272

5.5 +0013  
+0009  
+0013 -0.20

20.65 3.4  
+ 1.11  
19.54

20.6  
-6.64  
+34.5  
-20

23.383  
-64  
319

12.5  
12.68 -0.175  
+0.158

20.01 42.0 ✓  
14  
20.15

7.2  
+6

23.393  
-60  
333

+013.5 -0.20

20.98 69.57  
-4 / 20.92

15



20.600  
-66.900  
34.500  
-20.000  
7.200  
275  
6.000

0.601  
-0.395  
-0.694  
76.062  
16.783

0.100  
0.899  
-0.426  
-78.866  
-24.277

-0.793  
-0.187  
-0.580  
-33.137  
-12.607

15

16



~~20.600~~

23.900

12.000

2.000

6.850

234

~~-26.000~~

*m*

0.601

0.700

-0.386

37.904

18.913

417

0.100

0.413

0.905

9.093

-21.402

18

-0.793

0.583

-0.179

-35.705

-3.719

*16*

2.1.1.1

7506

20 37.3

+15

44

B97

156861

2878

(2)

3.77-06

-2195

104

117

672

727

-7

-019 125

119

893

897

2.802

750 448-800 y F1P4

~~Yearbook~~

-5.0

10644<sup>24</sup>

10647-803

100 0.00

100 3.75

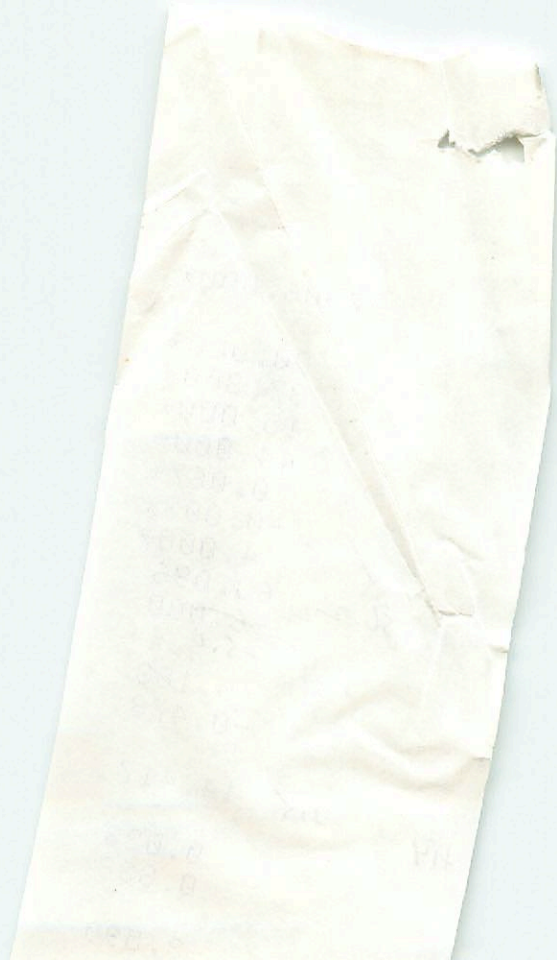
3.75

1135

1 2

17





7906.000\*

20.000\*

37.300\*

15.000\*

44.000\*

0.067\*

-0.003\*

4.000\*

63.096

~~0.000~~

-5.0<sup>1</sup>/<sub>28</sub>1

0.183

-0.478

✓  
56.2

14.417

415

0.023

0.838

414

-3.598

7924

20

40.2

+41

32

05

14/12/56

5.64

20.766

-022 90 694

2.644

P-90

+41.5

80 600

100

+120

760

+3.8

+3

7.15

8.6

+3.8

~~7.515~~

$$\begin{array}{r} 8.042 \\ -0.35 \\ \hline 7.692 \end{array}$$

$$\begin{array}{r} +1000 \\ \hline 694 \end{array}$$

$$\begin{array}{r} 7.997 \\ + \quad 11 \\ \hline 8.008 \\ \hline 003 \end{array}$$

3.1

+1000 73.2  
00005

+10004 +1002  
+10005 +1006

+10056

+1009 +1003

+1005 2.4  
+10001  
13.12 05.4

12.90

8

58.65

13.29  
-44  
12.83  
-7



20.660

41.500

12.000

3.000

7.150

269

3.000

0.611

0.777

-0.149

37.092

9.418

0.089

0.119

0.989

5.494

5.236

-0.786

0.618

-0.004

-24.719

-6.667

18



19



Pf

7937.000\*

20.000\*

43.300\*

-21.000\*

+42.000\*

0.019\*

-0.008\*

5.150\*

107.152

18.000

0.048

-0.752

-0.435

-0.020

0.341

3.001

-0.050

-0.565

-18.785

19

4 148 1189 2555 ✓  
5411  
1178

20 450 - 9 41 412

055c

19801

2898

1114

1001

10014 - 0021  
10028  
10033  
10035

Bud 07 16.0

3.77 00 101 C  
002 144 1192  
007 127 1213 2860 1973  
004 135 1203 2874  
135 026=a ✓  
290 118=r

135 026=a ✓  
290 118=r

1203  
1476  
1484

315  
385

004 135 1203 2871

-020 143 1198

104

2.5

786  
2724  
12804

20

7950.000\*

20.000\*

45.000\*

-9.000\*

-41.000\*

0.033\*

-0.035\*

3.850\*

58.884

-16.000

0.036

-0.685

13.067

-0.129

0.529

-16.043

-0.185

-0.502

-2.849

20

5 131. 1067 2.874  
132 1061  
20 45.3 + 5 49 A/

7953

158069

2886

445 10000-10000  
584

5.57 -02-09 C



-6

00\$ 143 1.061 2.830 56  
88

0

148  
790  
632  
1059

a=009  
n=105

1003-104 Pent 170  
555

13 \$1  
1366

10.15

5

21

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99  
100



7953.000\*

20.000\*

45.300\*

5.000\*

49.000\*

0.011\*

-0.008\*

5.700\*

138.038 157.35

-6.000

0.012

-0.559

5.022 45

-0.022

0.736

-7.416 -6

-0.059

-0.383

8.35  
117.48

48

-7

21

14 Sep 26 85.2 +0013 ± 2.8 +014 ± 2.5 2. B. P. = 10.9  
 198391 20 47.4 +0015 +015  
 +007 41 +009 6.2 A2 -30.2 a  
 +012

29039 (17474) +0017 +016 21.53 38.02  
 13070 21.121 1898.4 +714 40 37.74 18932

7924  
 70021  
 7034012  
 507 153  
 91531077  
 158 1037

MN 98, 771  
 6048 9383  
 7967 3642  
 2.475  
 0184

+0015 +015  
 +018 +016  
 +0259  
 +029 +013  
 1420  
 21.186  
 21.179

-80  
 36.94  
 37.69 14342  
 16  
 37.85 53  
 37.29 1941.02  
 +3  
 37.32  
 37.59  
 +.65  
 71.29  
 37.58 37.95  
 240 9359  
 3524  
 8817  
 0020  
 1475  
 0053  
 4.35  
 75.22  
 37.6  
 44.4

007 153 1077 2547

8/13

120

27

5.9

25.2



27

R.A.	:	20.800
DEC.	:	7.700
1. R.A.	:	31.300
1. DEC.	:	12.000
STANCE	:	5.900
MODULUS	:	151
VEL.	:	-31.200
q1 (U)	:	0.634
q2 (U)	:	0.560
q3 (U)	:	-0.534
dU	:	125.037
U	:	35.571
q1 (V)	:	0.065
q2 (V)	:	0.649
q3 (V)	:	0.758
dV	:	46.439
V	:	-16.625
-1452		
q1 (W)	:	-0.771
q2 (W)	:	0.515
q3 (W)	:	-0.375
dW	:	-84.029
W	:	-1.021

198524

20 48.4 -33 22  $\mu$  2  $\sigma$  m -18  $\pm$  34 C

F01262

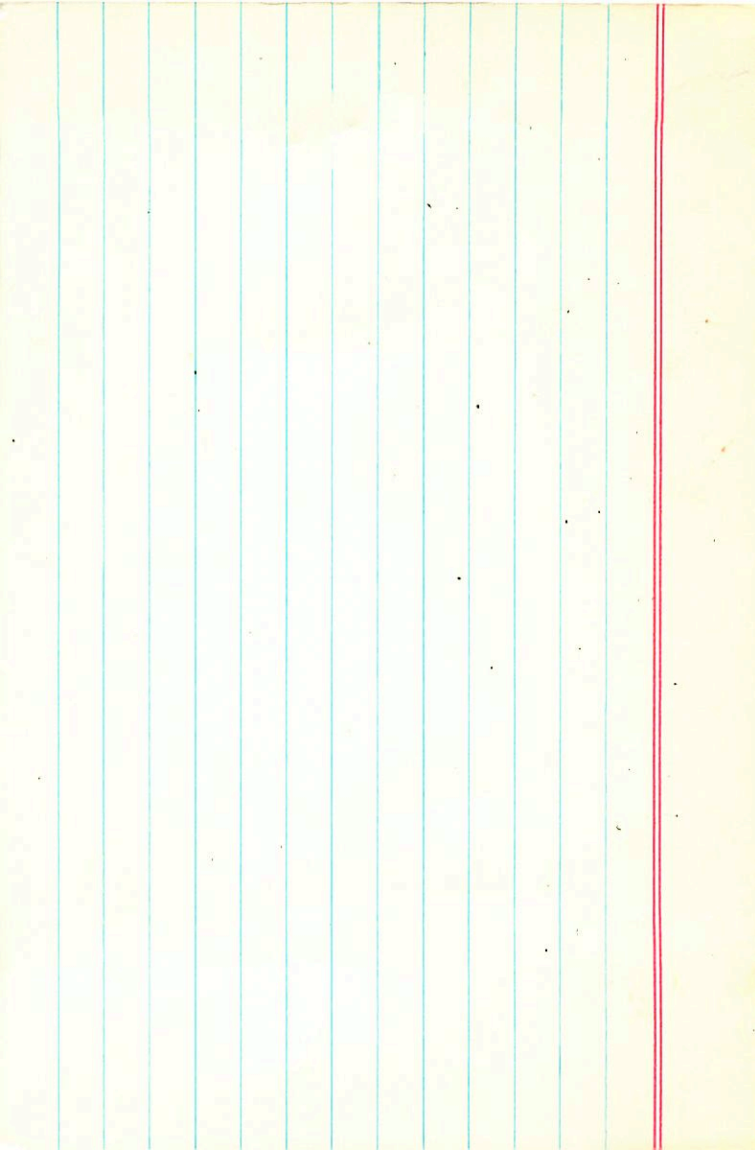
7574

6.04  $\pm$  0.03 (1.44)

$\frac{-7054}{-12.5}$

(10 -21  $\pm$  10)  $\sim$  6, 0

-113



7979

20 48.9 -33 22 A2

198524

2404E

6.04 + 03 (4005) ✓

(2)

6.07 024 132 1.137 2.838 0.9892

(7)

134

272

1132

1404

1446

040 = a

123 = n

1675

81

-0.5

080 140 1132

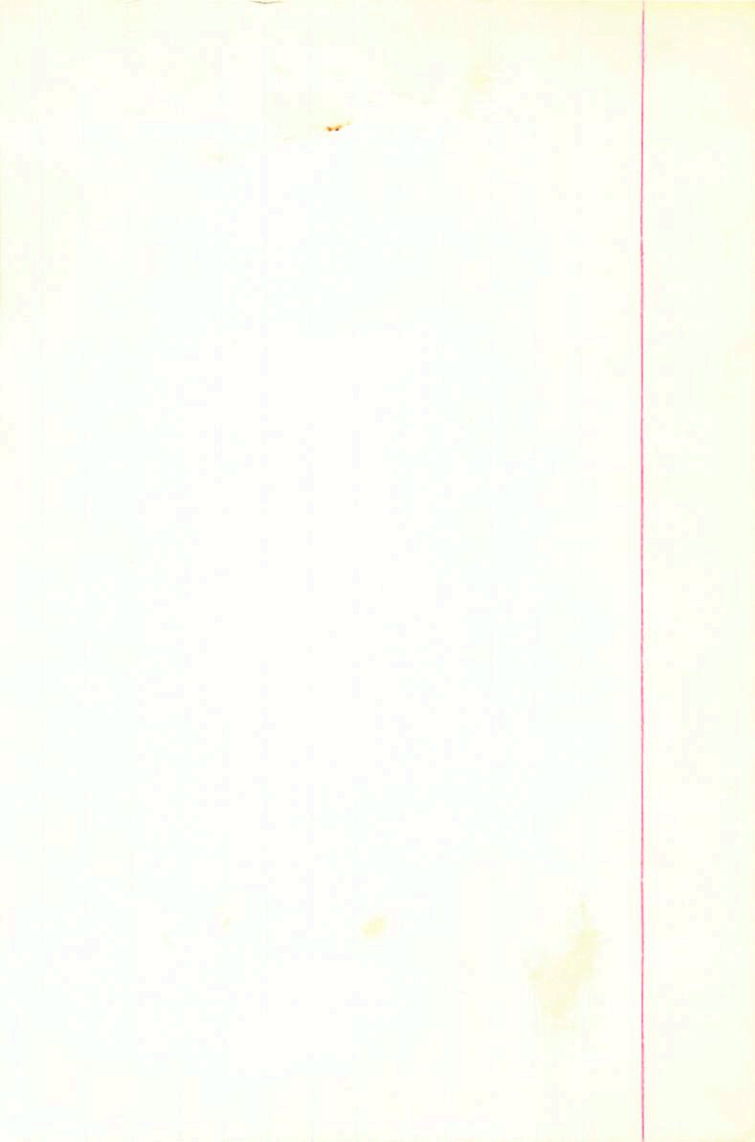
139

228

1132

1471





7954

20 45.3 + 3 07 A0

198070

2899

6.39 - 02 - 09 C

37.5V 9.71  
W 45.7V  
W 45 0.74 - 21

640 504 122 992 2.852 1.10, 1.2, 1.8

~~607 128 973 2.857 et al~~  
606 125 987 2.858

to 44 1000 ~

over

20.75

+3.1

+44

+2

5.8

12

127  
254  
980  
1237  
1243

to 6

9675

$16.229$      $92.2$      $10028$      $1015 \pm 53$      $1022 \pm 2.1$   
 $+ 1094$      $+ 1094$      $+ 1094$

$$\frac{104}{16.28}$$

$$\frac{-113}{16.28}$$

83

16.285

16.15    1934.7

$$\frac{. + 6}{16.2844}$$

$$\frac{+ 30}{16.28}$$

$1042$      $1007$      $Y$   
 $- 8$      $+ 6$   
 $\frac{1034}{- 1001} \quad GC$   
 $1037$      $+ 601$   
 $+ 45$      $+ 5$      $AGP$   
 $1045$      $+ 6$      $run$

$1042$      $1015$   
 $1044$      $1002$

12

1871

1871

1871

20.750  
3.100  
44.000  
2.000  
5.000

158.48

144.54

-21.000

0.626

0.516

-0.585

135.220

+34

31.829

0.074

0.708

0.703

22.020

-11.575

-11

-0.777

0.483

-0.405

-157.134

-12

-14.210

23

7581 20 48.3 +17 51 A 1 E

255861

2906E

645

015 175 1042 2914 of af

2814

1794  
354  
1034  
1398  
1422

208  
802  
8814  
+1725

2074  
2074.5 + 2074

8084  
9.5  
5.1  
40

①  
026 = a  
015 = a

766  
1.41

4.14  
5.05

+ 0050467

+ 015740

+ 0034833 59

79 70048

$\frac{60}{9772}$

$\frac{18477}{-210}$   
967

52

+ 0049 + 009

+ 0052 + 0125

- 29  
096

18.603

47.62

33.1

$\frac{418}{80}$

+ 1  
 $\frac{998}{121}$





7001.000\*

20.000\*

48.300\*

17.000\*

51.000\*

0.071\*

0.015\*

5.0

107

21

0.0

0.86

17.802

-0.216

-0.279

-25.149

24

20.000

17.850

17.800

10.500

5.100

13.000

11220

224

0.634

0.640

-0.400

260.100

21.692

0. r

1171

795

20 49.5 - 5 42 85

(20)

5.54-05-26

-1003 + 1003    70    5.55    -025    850    858    2748    858  
 090    893  
~~180~~  
 1073

-1005 + 1005 Oct

208

-1000 + 1000 2.16

10 5.50

MY - 0.8

6.36

d

-3  
6.55

-2.0

-1015  
 1000 + 1001  
 0.16

30065 1792.0

7003 ± 2.3  
+ 6002  
0700

44.77 1898.2

$\frac{016}{.081}$

$\frac{-16}{44.93}$

0700 0700

30099

~~40005~~  
+ 00024  
0002

45.13 193494

$\frac{-16}{089}$   
+ 008

~~40075~~  
+ 002002  
0002

$\frac{+27}{44.86}$   
+ 07

152

30088

-11

45.19  
91.49

30077

45.34



7985.000\*

20.000\*

49.500\*

-5.000\*

-42.000\*

0.000\*

0.001\*

6.250\*

177.828

-2.100

0.002

-0.645

1.709

0.004

0.588

-0.554

0.002

-0.489

1.376

63

1867

72

-1

41

25



20.800

- 5.700

2.000

- 3.000

6.550

204

- 2.000

0.634

0.421

- 0.649

- 0.011

1.295

0.065

0.807

0.587

- 10.862

- 3.392

- 0.771

0.414

- 0.484

- 13.161

- 1.719

25

AID

20 516 42-14 715 02.

8004

for ~~0380~~ 986

001 100

11-515

55152  
650631

276  
986  
1264  
1266

5802  
4224  
514  
22  
585  
5

10-11-01

6-9



26



20.850

42.250

15.500

2.000

5.850

148

-7.000

150 ←

0.642

0.758

-0.116

42.082

7.034

+7

0.056

0.104

0.993

4.038

-6.354

-6

-0.765

800g  
77#

20 52.5 44 31

670-005 079 611 2.598

77 612  
154  
766

hand

70.1

20.98  
744

6.5

+10042

+10.5

+608 +102

+2

-20

-0.5

30.097  
- 30  
097

pt. 6

- 10001

+ 10006 53.9

+ 10003 53.1  
200

42.60

94.4

$\frac{-17}{42.43}$

~~2~~

100025 10015

100037 10052

20.060

1001

30.061

- 1005

42.58 87.82

- 02

- 3

- 20

42.37

20.850  
40.500  
10.500  
2.000  
7.300  
288  
-20.000

0.642  
0.754  
-0.139  
31.434  
11.840

0.056  
0.134  
0.989  
3.397  
-18.808

-0.765  
0.643  
-0.044  
-22.859  
-5.717

27

8014 20 53.7 -3 48 89

6.56-09-29 (403)

6.57-020 115 767 2.778 884  
109 771  
218  
984

-29.2

four to six  
four to ten

4030:007  
40180



$M_v = -0.15$   
 $V_0 6.45$   
6.6

41.241 1895.2  
 +0015 528 +0000 523  
 +0006  
 14501895.7

$$\begin{array}{r} -082 \\ \hline 209 \end{array}$$

$$\begin{array}{r} -104 \\ \hline 1594 \end{array} \quad 82$$

22866  
 18112  
 +0010

5425  
 4238  
 1488.73

$$\begin{array}{r} 41.278 \\ \hline 41.218 \end{array}$$

$$\begin{array}{r} 12.39 \\ \hline 1.02 \end{array}$$

$$\begin{array}{r} .260 \\ \hline -26 \end{array}$$

$$\begin{array}{r} 16.38 \\ \hline 16.30 \\ \hline 16.05 \end{array}$$

$$\begin{array}{r} .234 \\ \hline +025 \end{array}$$

$$\begin{array}{r} -06 \end{array}$$



8014.000\*

20.000\*

53.700\*

-3.000\*

-45.000\*

0.020\*

0.007\*

6.600\*

208.930

-29.200

0.076

-0.618

33.976

0.031

0.616

-11.568

-0.058

-0.489

2.200

28



29



8028.000\*

20.000\*

55.300\*

40.000\*

59.000\*

0.012\*

-0.014\*

4.150\*

67.608

-28.000

-0.012

-0.123

2.605

-0.006

0.991

-28.147

-0.086

-0.049

29

-4.460



20.900

41.000

20.000

-19.000

5.100

100<sup>471</sup>

4.1

6605

-31.000

0.649

0.750

-0.126

-21.087

1.690

12

0.047

0.125

0.991

-7.876

21.546

8033  
AO long 20 56.7 19 14 6.25 Bsp 50

2007 20 -64 136 626 2.732

2007 2007 20  
+24

2007 2007  
-11

2007 2007  
-1037

2007

2007 2007  
-06.5

209  
-19.25  
+10  
-6.5  
-10



8086 20 567 +41 45 B9

~~h000~~  
 $P = 15.45$   
2.42.2

20-47

(10)

6.18 -036 112 544 2.281 0.214

101 551  
202

253

Vm bud

$m_y = -0.7$

+10145 +10885 W3.50  
+10154 +10884

$v_0 \frac{t \cdot D^5}{c \cdot q^5}$

+0172

26.9  
+4175  
+27  
+6  
6.6

+020 +006

-422

255

30



28.900  
41.750  
27.000  
6.000  
6.600 675  
209 224  
-42.200

0.649  
0.752  
-0.116  
83.377  
22.312 24

0.047  
0.112  
0.993  
7.717  
-40.274 -40

-0.759  
0.650  
-0.037 30  
-53.984  
-9.710 -10

740 days

8678

21 03.1 -17 26 AOT

20761

207 → 00

104 +01 C

29452

158 1051 322 506 395

~~100575-0630652~~

316

100574-0624

1057

003=2 ✓  
027=2 ✓

~~100575-0630652~~

10822

1369

1083-0655

~~1083-059~~

1.52  
+1.05 ✓  
3.0 ✓

2105

-17.4

+97

-65.5

3.1

-10.4

-16.9





8075.000\*

21.000\*

3.100\*

-17.000\*

-26.000\*

0.000\*

-0.057\*

3.000\*

39.811

-10.900

0.185

-0.680

14.782

-0.238

0.413

-13.970

-0.370

-0.606

-8.133

31





21.000  
- 11.000  
9.000  
- 65.500  
3.100  
- 8.400

072

Gap  
200761  
29460

21 03.1 -17 24

-10.98

8075 13257

4.11 -0.01 10.5

+082 -05866

+0058° -061' N 30

+082 -061 N

+0060 ± 1.0 -058 ± 1.1 66 ⇒ N 30

+081 -0546  
+082 -058

171

716 - 255 554 +082 -058 -10.9 +017 +3 -261

+012 059 +012 ~~335~~ 155 -10.4 -7 +7 023

213 336

$\frac{+8 +116 +9}{+111 - 8 - 14}$

+2 +22 -8

+15 -15 -10

21

+3 +23 -10

$\frac{+15 -15 -11}{}$