

58520 7 24.5 +46 37

9449
24257 94 1010 -0011±83 -062±7.3

45
344
2861 65
270
3131

74.33 98.16 58.71
26
381
11
25.10

6708 -3934 0528
9250 0057
747 -9236 732
1100
540

-00105 -055
-00124 -0522

-0133 -015-051

2604 (2901)

60489

~~10107~~

10141

131703

Compend

(31150)

Var?

7 32.2 +2 50 Am

Turnup 5000 +45.5

6.55 +23 +13 C

135.198 971 (3) SP C

-0030±6.5 -028±6.1 000

9.445 98.1
156
6 155

8.42
1.48
9.90

92.0-013

9.535
27
86.2

(62.10)

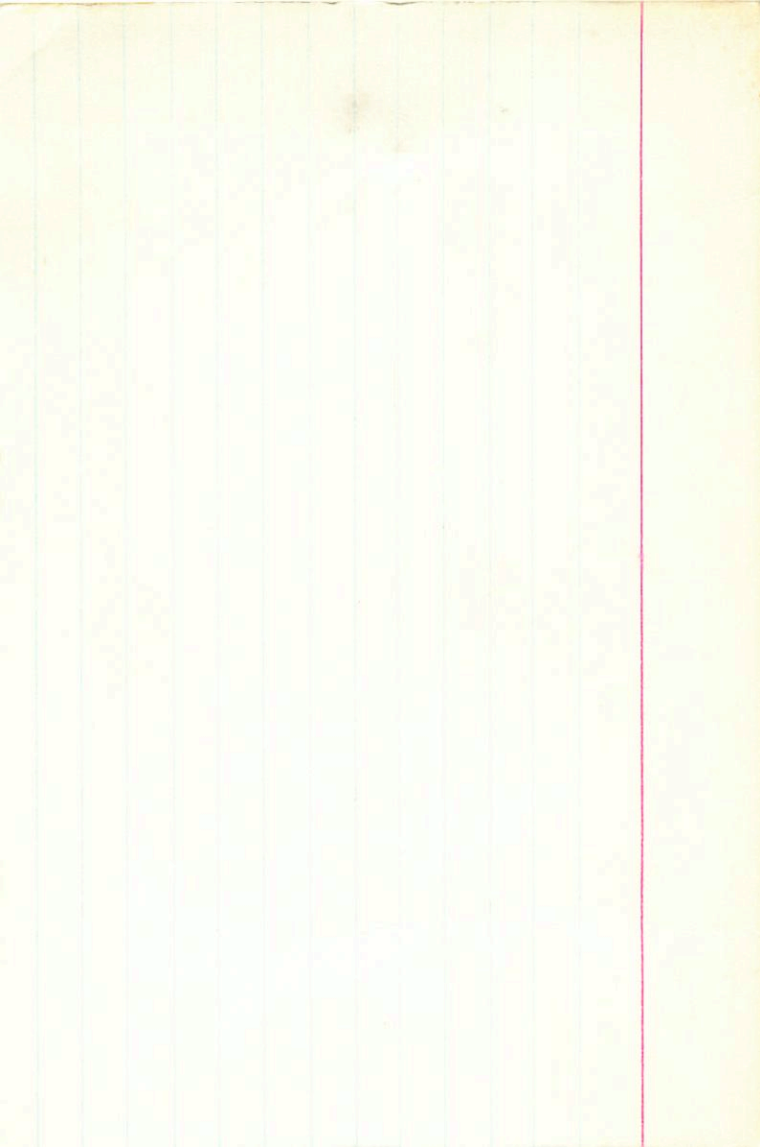
9.50
-2
9.46

3015 9755
9533 7182

(36.54)

9.588
+29
617

9.20
+18
9.38



62171

10358

39.6

22 17

-0025 ± 12.2

+005
+035
+042 ± 11.3

36 965 / 1.5 - 0020
121 (0033)

11.45 09

-206
13.54

33.00

270.089

12.30
+ 29

(2.0)

32.597

33.45

42.50

28.90

11.90

-106

12.46

+18
12.28

56.4

82.5

-56.58

82.24

0.561

+0035

+1.7

0.04

4.81

7.410
36.997

999

25

37024

-0025 +0042

-00276 +0042

-0353

-035 +044

29.966

+17

983

+21

40.104

P n-1
+145 7.8

62445 8.35 +0.025 -0.215 (4) 89

62500 10.16 0.00 -0.525 (5) 88

→ 63640 8.08 -0.135 -0.575 (2) 89

-0.014 +0.29

31225 8.7 -0.013 ± 3.1 +0.38

$\frac{0.57}{2.59}$

[5208
8587]

6369
9710

-0.018

-0.014

31224

$\frac{31222}{31222}$

(2.00)

3118
3118
3118

$\frac{2600}{2600}$

31.123

+2.2
1.5

-21.5
+32
6.05
+32.7

27.74

$\frac{-0.5}{2.866}$

27.60

+2.0

$\frac{27.40}{27.40}$

+0.935

+0.102

69.93

145
2700

26.52

+2.2
1.5

I = 2.96 M_I = -3.15

62500 -4/100
7793 8747

7.0

0370

0009

39.8

100 + 0.2

100.1
406

P_c = +34.5

rad = 6.10

2543

125 97
675 756

X 15 III

Bank of Hyde
See ASP

10409

458 4163 +158 2E

354 +0715 2E

62576

459 4163 +158 J

366 +0725 5(16)

367 +071 F(12)

(10) 458 4163

458 4163 +158

366 +0725

Original 458 4163

-00110 +0352 N30 +327a

684-5208
7710 858

-1085 +1092

-015 +037

+35
-0185

-015 +037

360 715
322
96
226
596
364
205
324
23
20

350 665
318
273
20

528

+16322
419 22

360 715

0372

FR 2993

7

41.5

-28

17

9115

432.72

47%

1 Pump

62576

W5151

10409

4.67 +1.62

47%

47%

45%

61%

02

+0.35

N30

378

0.17

+0.35

N30

378

0.17

+0.35

N30

12298

0.2

N30

12298

0.2

N30

12298

0.2

N30

A056324

-0014 +0.27

1100

-0.16 -0.0045

0.037

6369

8208

7710

8537

-430 785 446

+0367 +1005

+1372 +107.4

+14.6 +42

-256 368 -894

+0219 +0471

+0690 +13.9

-29.2 -15.4

866 498 503

-0740 +0638

-0102 -2.0

-1.4 -34

904-428-474 550 -017 +038 +32.7-015-15-175
015 014 007 006 043 099 +25.5-12-+26

$$-5 + 13 + 6$$

006

$$+48 - 17 = 31$$

$$-6 + 40 + 3$$

007

$$+25 + 5 - 1$$

436

18-5-87

07 44.9 + 88 31 13.09 + 1.69

1.61 206

-2898 -541 2680

} 485 -582

2680 0.081 also

	6434	
	-2514	
	-3.55	
	0.88	
	0.81	
	[
	-3524	6524
	4354	
0965		
2180		

69-9
2574
2200
5050

0158-5004
0654-796

lean-
HHA
HHA
HHA

740-720

MP
127
42
Σ
88094
22

HHA-720
HHA-720
HHA-720
HHA-720

HHA-720
HHA-720
HHA-720
HHA-720
HHA-720

1332
252

133
127
088

740 720 HHA 720 720

HHA-720

10001
63586

630
140
998

7 48.6 755 21 Ad

119
4885

3039

-387
-420
6215
+30.2

37536
013
549

37461
33
494

37405
23
438

70

(44.60)

(57.17)

0003 ≠ 7.5
-0013
0022

047
053
21.58
-17
21.41

20.63
-11
20.52

-044 ± 6.7

2128 5.9
1.44
23 22

-00185 - 050
00218 - 0876

2

R.A. : 7.800
 DEC. : 25.250
 R.A. : 12.700
 DEC. : 42.000
 STANCE : 6.100
 ODULUS : 170
 VEL. : 30.300

p1 (U) : -0.450
 p2 (U) : -0.340
 p3 (U) : 0.820
 UB : 117.192
 U : 44.400

p1 (V) : -0.220
 p2 (U) : 0.287
 p3 (V) : 0.257
 UB : -122.160
 U : -19.570

p1 (W) : 0.350
 p2 (W) : 0.070
 p3 (W) : 0.207
 UB : -104.010
 W : -2.420

R.A. : 7.800
DEC. : 55.350
R.A. : -38.700
DEC. : -42.000
STANCE : 6.150
MODULUS : 170
VEL. : 30.200

q1 (U) : -0.456
q2 (U) : -0.340
q3 (U) : 0.823
dU : 115.192
U : 44.406

q1 (V) : -0.235
q2 (V) : 0.937
q3 (V) : 0.257
dV : -162.163
V : -19.772

Handwritten: 23 41

q1 (W) : 0.859
q2 (W) : 0.076
q3 (W) : 0.507
dW : -104.616
W : -2.452

Handwritten: W

$$⑥ 749 + 521 \quad 07 \quad 49 \quad 37 \quad + 82 \quad 874$$

$$5193 - 74 \quad -076 \quad -248 \quad 6 \quad (21)$$

$$15.68 + 6114 \quad 12.58 \quad -070 \quad -261 \quad 6 \quad (34)$$

$$\underline{-023} \quad \underline{-255}$$

$$7571 - 4763 \quad 2594$$

$$6433 - 8825 \quad 0555$$

$$+ 74$$

$$0387$$

$$2.24$$

Wend
Wend

0758+127

2014 5-14-8

2014 5-14-8

2014 5-14-8

2014 5-14-8

6797
6797
6797
6797

5
+35
66706

-4
+31

668 220 156 761 2047 (2) 598 3.25
248 (22) (21) PO III +1.30

-5401425
6610928

351 144 -17 3.33

$m_1 = +1.43$

$m_2 = +1.85$

268.6
12.5

668 225 (205) (663)
147 704
(66)

681 (222) (659)

Twing 227 154 704 2.700

240 215 510

8 0 47.27 4
-54 31 21.0

(H) (M)

145 -0416 -1008

9005 = 4488
4349 8436

~~07 07~~
~~00 10~~
~~+4005~~
~~00 82~~
-44

$-038 + 063$

$-038 + 063$

0733 ✓
0057 ✓
+3.15 ✓
0085 ✓
-36 ✓

20 24 + 033 5
~~-0023 + 03~~
~~-0056 + 072~~
~~-0047 + 060~~
~~-00515 + 066~~

145284

36344

10003.6
250.4

217.4
110
1190

-0050 +056

-0055 +044

1.5 -0041 +057

-0054 +061

20.94 96.4
-3.00
-23.94

30.45

10.42
-10.40

-0051 +055

21.82
-56

-00477 +058

22.11
-22.44

11,111
36248
47.463
-13
450
-10
440

47.317 17.95

20.16
-11
20.34

47.37 38.11

21.0

+13
243

-43
2143

7 41
25
3
110
50
8

66653 8 01.0 -40 12 GU +26.1 256

71917

7.55 +0.66 +0.18 205

Myaku

-0.125 +0.218 CR

+0.217 CR

Myaku

1004

1110

Myaku

1001

176(8)

1110 +233 7+6

256

159
1110 +233

22

8.000
-46.200
-180.000
218.000

2.700
35
26.100

-0.494
0.856
0.151
1176.515
44.734

100

22 -2.00

8.000
-46.200
-159.000
235.000
2.760

26.100
38²⁴ 81.22
442

-0.494
0.656
1211.432
47.122

-0.202
0.056
-0.978
167.575
-19.549

22

0.846
0.514
-0.145
131.32

22

E +1012 666 591 355 451 2245-
596 558 155 977

67990

P 5.3 -63 13

-63892

25 4

✓ M_v = +0.5 ✓

GG11048

211

+28 +17

2268

~~6844~~

8911

668 94

✓ P₀ = +13.7

✓ 923 4844

✓ 3002 888

✓ 4780

8 05 866 -63 22 152

✓ 118.00

80

-1046

-0317

✓ 6050

-028 800 -

0550

0027

56101 4100

-0045 -1048 C

-0034 +045 G

-0023 -1020 Y

-0047 1046

-0315

56637 991

1887
525

0037 7042

-0065 +054
-0044 +045
-0051 +035

-0050 +045
-221
17.57

24.45

-00472 +0465

55.41

-20.10
15.51
-30
15.81
-8
15.84

36572
20.25
56.690
-0.55
1.615
+1.14
624

56.489
+0.447

(2192)

14.10
-1.12
12.98

(46.2)

56.60
-1.58
58.18

15.22
-54
15.76

985

2-
677
14.0
190

261.10
0444

1000 + 300
1300

1000 + 300
1300

1000
1000
1000
1000

1000
1000
1000
1000

1000
1000
1000
1000

1000
1000
1000

1000
1000
1000

1000

1000
1000
1000
1000

1000
1000

1000 + 300
1300

1000 - 1000
0

1000
1000

→ 8⁰1577 8 13.8 -49 04
CPD

I x Val -0.20 -115

4489 0721 } 1133
-0467 -9974 } -0782

5 H R ~~100~~
9.24 9.03 9.41 8.65
2.27 0.44 0.88

Wagner, W., ~~Deer~~ ^{Deer} Michael, H. ^{at Park, T}

Bruch, A 1983

MN HAS 204, 351

0.187

T2-6

0.4 ~~0.1~~ 0.5

572

0772

08
0583
0712
0712

5326
+ 9924

8470
5317

080
+050

0331

1331
+0476

1035
+045

1121

0575

8 143 - 46 02

-0024 ± 4.0
-0018

69149 8 14.4 754 18 6.4 185 725.08

15792

27110 25.428 1902.1 754 17 59.59 1901.7
115
543

Rep. 0

-0021 -0415
-0024 -039

0

29.79
55.865
25.059
25.1159
41.3
51.3

33.7

36.4 1926.6
33.85
02.72

7962
785
6055-1739
6054

-021 [-0023 -037]

962
481
-062

0.88 140
0.19
0.9
0.70
-1.37

0434
00213
+111
0057
6235

25.423
14
349

0.69 1944.99 7159

-27
0.42

35.8

0.40 19

34.1

70510
552115-
552115-
601117
191
6.76 159 189 773
236 742

70510

552115-

552115-

601117

191

6.76 159 189 773

236

742

8 19 34.15 -51 47 0.9

9425 -5812
4510 9473

Step

-0044 +047

-6048 10453

-0372 058

033+048

025
1015 6018 5448

10046751

104354.0

37.154 10.0

078 45

70270
~~35784~~
-280488

8 15.9 -78 30

664 615 209866

661305
286.8
-20.5

6.72 15

12.3

Dr 8-2 1988 889 2-8 20

② Tunny

24 } 1.0
25 } 1.0

2 1/2
2.25

② 3584
246
246

get
Mr. 2026

up 20
14

9 15 19.79 -73 35 10.13

0-28.8 288 982 2.2-0

② 448
② 10c

9402 -4672 ✓
1387 8842 ✓

-030 7054

0616 ✓
5013 ✓ 30.95
6065 ✓ 5.53 ✓

105 204 20c 20c
Mr. 2026

4.25
4.

665 121 171 277

get

② 415
② 10c

09 238 50 1162

AS 17

14.608
467

20.195

37.348
- 172240

20.108

14545

24 } 0.8
75 }
19921

19.708

697

479

1175

008

008

-009

-009

-0099

25.26-0089 +050

3192

-00819 +0513

-0345

-030 +054

+054

+052

+016 10.35

+019 -280

13.15

98.1

-3455

11.37

+ 22

11.10

413

10.97

54.09

10.47

10.59

48.2

10.3

-411

10.71

+370 1856

221

~~1779~~ +37

30

A0867916

-028-081 ARMY

6522

7625

024-028.5

9580

6494

-0036-067

-013

Probably not

7 10-1 -5 33

71142 R-U 475 8 206 -23 22 P2-

2309204
647 311 172 474 +33

6211489
481
206
558
412

8 22 42.56 -23 01 365

647 310 153 507 2492
246
503
441
388

297 251 692
0649
0882 ✓
740
6682 - 5734
6682 740 6682

[-062 - 063]
1054 ✓
188 ✓
0134 ✓
4.31 ✓
+334

266.09
45.010

42.865 WDF

42.067

-WDY1 ± 1/2
-WDY4
-WDY1

WD33 ± 4.5
WD0

38.117

116.14

22.828

3468

45.06

290.35

42.870

-WDY5

35.41

258

4.779

-WDY7

26.36

4.201

4.21

36.15

42.06

38.00

16.872
26.004
42.871
4.779
4.201
2.4
4.43

54.54
35.41
35.41

35.56

3308 5.68 640 188 1236 2868
8 22.7 -22.589

+26 Var 26.20e
25.50e
578 +06

71141 E 1022

GC11440 10560
0.22 4.507 9.22

~~1036 96.00~~
~~1037 96.00~~
~~1038 96.00~~
44.127

10229 ± 5.7 +035 ± 5.6
1031 26.17 7.7
1024 - 1.60
1027 27.77

40.00 26.93
26.66

6634 - 7483 0524 ✓
7475 6634 1854 2.0 19824
0022 0000
5.412

25.78 26.28 +0315
25.43 26.30 ± 032
25.43 26.30 ± 032
26.15 26.30 ± 032

(1390)

44.544
44.544
44.544

26.103
-039 +035

—

23

R.A. : 8.488
DEC. : -28.888
P.M. R.A. : 8.888
P.M. DEC. : 8.888
DISTANCE : 8.888
MODULUS : 8.888
AD. VEL. : 8.888

d1 (W) : -8.888
d2 (U) : 8.788
d3 (U) : 8.422
d4 : 8.888
U : 8.888

d1 (U) : -8.134
d2 (U) : 8.438
d3 (U) : 8.888
d4 : 8.888
U : 8.888

d1 (W) : 8.812
d2 (W) : 8.583
d3 (W) : 8.142
d4 : 8.888
U : 8.888

R.A. : 8.400
DEC. : -23.000
PM. R.A. : 0.000
PM. DEC. : 0.000
DISTANCE : 0.000
MODULUS : 0.000
AD. VEL. : 10
0.000

q1 (U) :
q2 (U) : -0.567
q3 (U) : 0.706
dU : 0.425
U : 0.000
0.000

q1 (V) :
q2 (V) : -0.134
q3 (V) : 0.430
dV : -0.893
V : 0.000
0.000

q1 (W) :
q2 (W) : 0.813
q3 (W) : 0.563
dW : 0.149
W : 0.000

23

71488

8 243 -32 47

-3205296

RF 10419

R 215

9.4

328

28

102
6.9

4184

-0716 +029 YTC

-0240

1021 1021

7491 -6632

10055
-4.95
10055
-0380

Handwritten circled text, possibly "Handwritten" or similar.

2000
6.9

1021 + 1021

1021 + 1021

24

DISTANCE
 FM. DEC. 1948
 PM. R. A. 1948
 DEC. 1948
 R. F. 1948
 1948
 1948
 1948
 1948

R.A. :	8.400
DEC. :	-32.800
PM. R.A. :	-25.000
PM. DEC. :	32.000
DISTANCE :	6.380
	100

-00256

-0025 ± 23 -015 ± 2.1
-18 -17

72779 8 32.5 +19 46 dFS +36.0

ws641 11762

S = #08 w(11.9)

3560c -6450 6.58 ± 0.67 +0.25 -042 -0102

-035 -0150

27.129 18968 +19 45 48.21 18530

6343 -wilk 65

not only 8791-3173

100% 41.3

not only 27.156
200
200

48.17 1933.6

54124
19624
19624

48.31 1938.30

2114 8351

27.158
18

1 -00215 -014 48.47 6 142 8.94

136-010

0.855
24355
24212
100231
57.12
466
100% 41.3

787-617 335 541 - 040-012 + 36 - 004 + 12 - 052

031003 025002 139 139 + 339 - 21 + 27

-4 + 44 + 6

008

+42 -17 -1

009

-6 + 42 + 6

+39 -17 +1

25

0.000
 0.000
 0.000
 0.000
 0.000
 0.000
 0.000
 0.000
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 0.000
 0.000
 0.000
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 0.000
 0.000
 0.000
 0.000

5

R.A.	:	8.550
DEC.	:	19.750
PM. R.A.	:	0.000
PM. DEC.	:	0.000
DISTANCE	:	0.000
MODULUS	:	10
RAD. VEL.	:	0.000

q1 (U)	:	-0.593
q2 (U)	:	0.238
q3 (U)	:	0.769
dp	:	0.000
U	:	0.000

q1 (V)	:	-0.108
q2 (V)	:	0.923
q3 (V)	:	-0.368
dV	:	0.000
V	:	0.000

q1 (W)	:	0.798
q2 (W)	:	0.301
q3 (W)	:	0.521
dW	:	0.000
W	:	0.000

25

Price

5 373 +20 20

6.0
+33

+ 5 - 2.7
-0343 -0202

-034 -022

-31

+ 10 -1 026
-0027 -019 120

-00260 -0188

-0363

-036 -015

+17

+17
-12

26



27

3.000*

3.000*

34.300*

23.000*

29.000*

-0.034*

-3.023*

6.000*

153.489

33.000

3.071

3.769

35.615

-0.084

-3.359

-25.219

-3.160

3.529

-7.957

24

1 1
1 1
1 1
1 1

1 1
1 1

d/p

1.000*

3.000*

34.000*

23.000*

23.000*

-3.036*

-3.022*

5.100*

165.959

33.000

3.078

3.769

33.265

-3.079

-3.359

-24.954

-3.167

3.529

26

-13.175

11

11

3.000*

3.000*

34.300*

23.000*

29.000*

-9.036*

-3.015*

5.100*

165.959

33.000

3.085

3.769

39.536

-3.048

-3.359

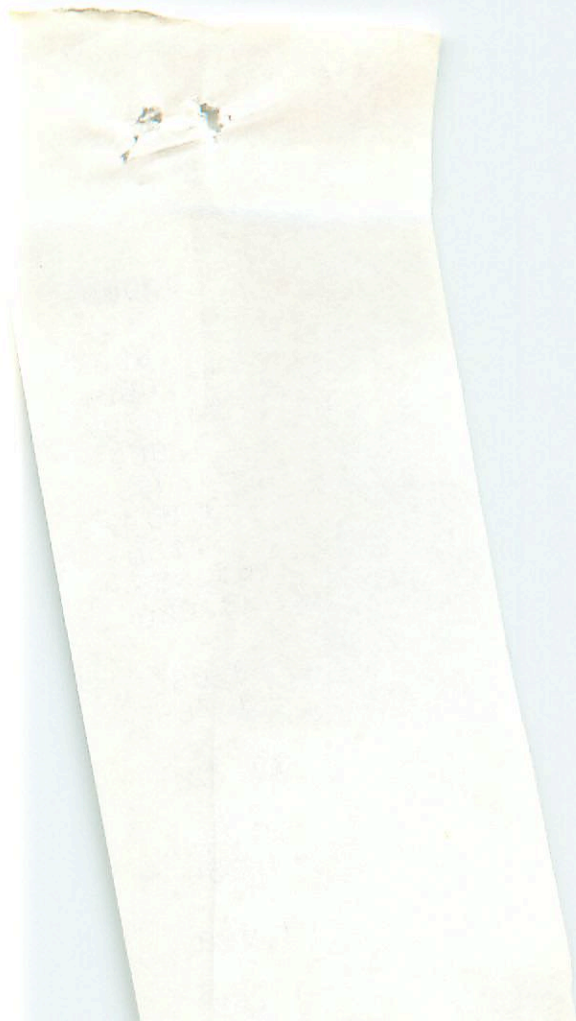
-19.848

-3.157

3.529

-3.553

26



1.000*

3.000*

34.000*

23.000*

23.000*

-3.000*

-5.014*

5.100*

163.959

33.000

3.000

4.769

33.721

-3.044

-3.359

-19.090

-3.155



△ 3.372

0.000*
3.000*
20.000*
20.000*
-10.000*
-10.000*
-10.000*
163.959
33.000

4.11

-014±3.4
-032
2019 Ag A7m +229

-0022±4.3
-0024
+19 27
-0023

0527-017865
8 34.9

+19.2083
73210
05668

11818 54.969 18973 +19 26 34.71 1895.2

97
35.95

6464
54884 34.06
34
918 2707

116
55.085

54.979
20
999

34.13 1933.3
26
34.39

-4506
5577 -340
4300 -3103
0351
6011
+088
6066
542

28.902
26.112
55.014
54.934
54.934
55.60

003
082
33.5

0023 -0165
10228 -0/51
-0337

1928.87
4438
-11.06
35.28
-12.09
34.01
34.2
34.34
-1.14

62.17
31.1
35.9

-033-012

6.78 01220 169 1022 2510

207

0.495

112 235 0.473 2.003 10.10

0806-1237

0836.6 +23 Y5

Pf

16.18-0.17

From Green

very borrowed from (35). The paper machine is
not around left but the paper is in the region ~~of~~ and as the
distance of the Duvigne cluster.

386m +31.08
 73575 8 36.8 719 57 6.7 sq A 7m

56922
 1187460 -0025 33 -020 N30 23 1187460

+20.2146
 -0027 ± 23 -016 ± 2.0
 -0025 ± 23 -017 ± 2.0
 50460 26 -0025 -021 2131 1.4
 $\frac{118}{514}$ -0024 -017
 -0026 -018 $\frac{118}{2214}$ -0025 -018

10081-014 (A)
 10081-014 (B) 50.455
 $\frac{5525}{480}$
 10081-014 (C) 67.55
 41.23 2113
 +14
 $\frac{21.24}{21.24}$ -0364
 10058 -0166

50386 67.55 21.06
 +24
 $\frac{0}{42}$
 50386 9500
 +24 8219
 -3123
 0386
 0021
 +1.4
 0071 5.76
 1687 21.06
 $\frac{118}{20.90}$ +874
 50386 21.06
 +24
 $\frac{0}{42}$
 50386 9500
 +24 8219
 -3123
 0386
 0021
 +1.4
 0071 5.76

606

158

226

469

2978

163

226

510

235
~~158~~

1

27

620
600
600
600
600

600
600
600
600

600
600
600

600
600
600

ES

8.600
19.950
-39.000
-10.000
5.000
100
31.000

-0.601
0.237
0.763
04.225
02.073

-0.100
0.925
-0.356
-61.639
-17.522

0.793
0.296
0.503
-163.000

27

+25140 PC+

73114

801129

73114

8 87 04.5 514 43 50.6

-00210200-0144416

500-040-

4.579 91.9

6740 90.5

nd

h1
"R1

h10-014



12

9.000*

8.000*

34.000*

20.000*

29.000*

-8.035*

-8.013*

5.100*

165.959

33.000

4.885

3.769

33.434

-3.040

-3.359

-13.443

-3.150

3.528

-7.513

26