

117876

13 30.4 + 24 34 968 + 6.200(5)

G-18313

W8028

6.11 + 0.86 + 0.70 11011 R

A058937 }
+2502640 } 1.5 m = 6m

$\delta = 0.6$

5.37 + 0.37 ~~5.74~~ (2)

4.1 50%
4%

$\pm 6 \pm 5$

OCW

+048 -213 66

+05455 -20555 4

-29 -64 -6 . 010

+050 -210

-11 -82 -10 . 007

+0039 -2065 06 +

+0039 -2045

+054 -2045 06 \rightarrow

+053 -201 1002

+0535 -2025

+6.2

4.0

+056-198

26.022 1898.2

+003545.5 -21354.7
+0043 -2002

+24 36 19.86 18974

-151

11.20
31.06

25.841

25.06 1928.32

25.951

-220

968

24.84

24.8

1930.2

52
976

31.1

-20

+35

24.54

5852

25.97
984

24.54

29.3

24.09

31.9

-6.37

3

5102
117876 13 30.7 +24 37 6.11+56 10000
18013 10005-215 +626
1048-210 GG →
1056-208 Y → 100
1058-209 AGG →
1052-206
1056-202



117876.000*

13.000*

30.400*

24.000*

36.000*

0.056*

-0.198

4.000*

63.096

6.200

-0.775

-0.160

-49.882

-0.585

0.054

5.0
100

-79

14





900 08

-44.6

117 880

13

30.8

-18

15

$$9.02 + 0.105 + 0.15 \text{ (2)}$$

Populyn's # 91

10.4

-45.06

-142 Yale

-062

Hyderabad

-112

-013

-038

-127

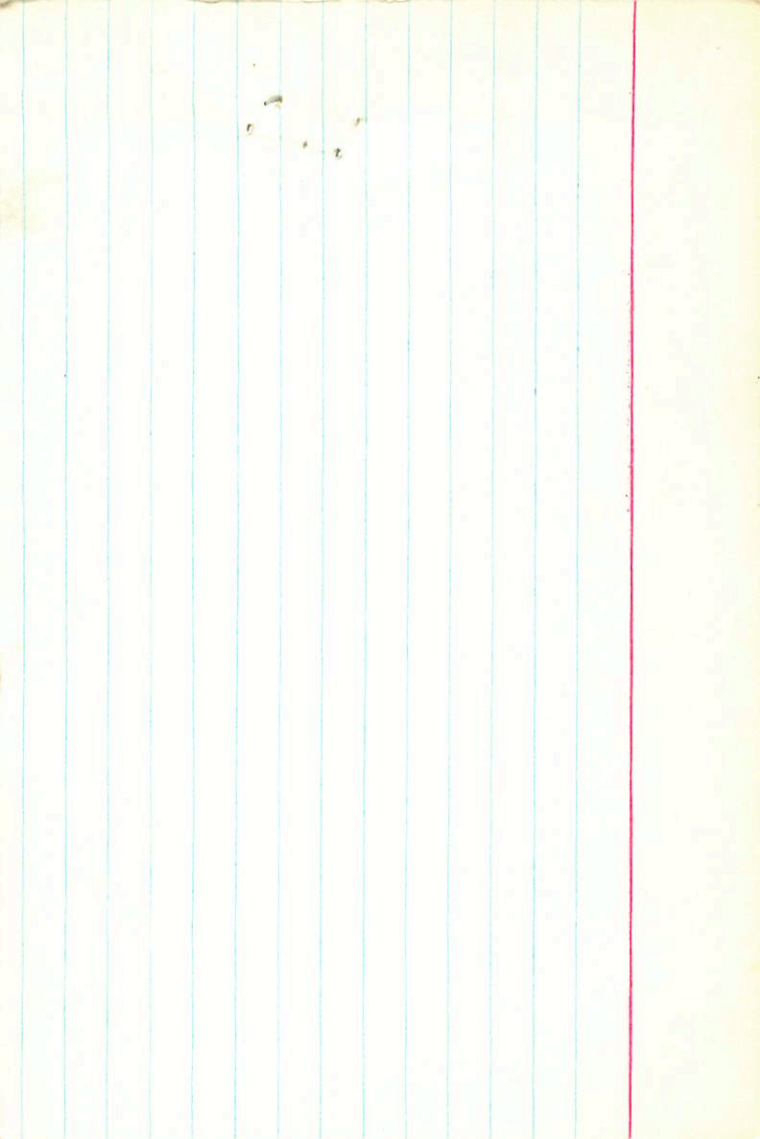
0.79

2.816

-85.68 / -140.33

4.80 1.10

66141



40117880
-1703883

$M_V = +1$
 $V = -170$
 $W = -200$

-44 -M₂

Plot (M₁, M₂)

-0027 -127

Plot *
H

40117880

+2321 -2262
-1798 -4166
+0470 -4792

-781 +336 -527
+605 +619 -501
-158 +712 +680

+1425 -2023
-1104 -3726
+0288 -4286

-0598 -23.9 +23.7 = -0.2
-4830 -193.2 +22.5 = -170.7
-3998 -159.9 -30.9 = -190.8

R5

13 30.8 -18 15

9.08 +0.04 +0.06

Roman

-145
-10

43 → 9.02 +0.10 +0.15 -0.14

899m

-0010

-014

-112 Hyd.

005

500

+0059 +3.0
-5964 -298.2
-4322 -216.1

+26.7
-275.7
-247.0

700/100 South

40E -45 R

459
- 7611
212

15



1. ...
 2. ...
 3. ...
 4. ...
 5. ...
 6. ...
 7. ...
 8. ...
 9. ...
 10. ...
 11. ...
 12. ...
 13. ...
 14. ...
 15. ...
 16. ...
 17. ...
 18. ...
 19. ...
 20. ...
 21. ...
 22. ...
 23. ...
 24. ...
 25. ...
 26. ...
 27. ...
 28. ...
 29. ...
 30. ...
 31. ...
 32. ...
 33. ...
 34. ...
 35. ...
 36. ...
 37. ...
 38. ...
 39. ...
 40. ...
 41. ...
 42. ...
 43. ...
 44. ...
 45. ...
 46. ...
 47. ...
 48. ...
 49. ...
 50. ...
 51. ...
 52. ...
 53. ...
 54. ...
 55. ...
 56. ...
 57. ...
 58. ...
 59. ...
 60. ...
 61. ...
 62. ...
 63. ...
 64. ...
 65. ...
 66. ...
 67. ...
 68. ...
 69. ...
 70. ...
 71. ...
 72. ...
 73. ...
 74. ...
 75. ...
 76. ...
 77. ...
 78. ...
 79. ...
 80. ...
 81. ...
 82. ...
 83. ...
 84. ...
 85. ...
 86. ...
 87. ...
 88. ...
 89. ...
 90. ...
 91. ...
 92. ...
 93. ...
 94. ...
 95. ...
 96. ...
 97. ...
 98. ...
 99. ...
 100. ...

0.000*

Pushy

13.000*

30.000*

-18.000*

-15.000*

-0.062*

-0.142*

7.000*

↓

8.6

8.5

8.3

6523

501

251.189

-44.600

0.004

-0.530

↓

+26

+26

24.630

149

-0.595

-0.500

-289

-276

-127.102

108

-0.431

0.685

15

-255

-247

-138.786



[Faint, illegible text or markings, possibly bleed-through from the reverse side of the page.]

117880.000*

13.000*

30.800*

-18.000*

-15.000*

-0.038*

-0.127*

631 7.000*

251.189

-44.600

-0.061

-0.530

8.333

-0.482

-0.500

289.0 1903
-98.738

-0.399

0.685

25F
-252 -130.699

8.5
14/6 6890

13.000 : R.A.
 -18.250 : DEC.
 -18.000 : R.A. PM
 -140.000 : DEC. PM
 8.400 : DISTANCE
 4VA : MIDDLE
 -44.000 : WAVELENGTH

18V.0- : (D) ID
 0.23V : (D) SD
 -0.25V : (D) ED
 1A.188 : UB
 01.100 : U

0.50V : (V) ID
 0.18V : (V) SD
 -0.20V : (V) ED
 -0.44V : VB
 -38.113 : V

-0.128 : (W) ID
 0.111 : (W) SD
 0.188 : (W) ED
 -410.45A : WM
 -55V.050 : W

R. A. : 13.500
DEC. : -18.250
PM. R. A. : -86.000
PM. DEC. : -140.000
DISTANCE : 8.400
MODULUS : 479
RAD. VEL. : -44.600

q1 (U) : -0.781
q2 (U) : 0.335
q3 (U) : -0.527
dU : 79.766
U : 61.700

q1 (V) : 0.605
q2 (V) : 0.619
q3 (V) : -0.502
dV : -644.537
V : -286.113

15
q1 (W) : -0.158
q2 (W) : 0.711
q3 (W) : 0.686
dW : -410.427
W : -227.020

19055

13 320 -16 04 (No W)

182695

844.24

1.21

pph

2019-2016

100 000-

12-
7/6

01

101

12

DIFFERENCE	101.100
STANCE	100
DEC	10.000
R.A.	-10.000
DEC	-51.000
R.A.	-10.000
	10.000
	10.000

R.A.	:	13.550
DEC.	:	-16.050
R.A.	:	-21.000
DEC.	:	-16.000
STANCE	:	10.000
MODULUS	:	1000
VEL.	:	-101.100

189 903 1930 (194) 134 101 III

13 33.1 +10 28

6.50 +10.6 +0.88 E
6.10 +0.355 (2) E?

8.44 +0.48 -0.02 F
4.9

3.14 [2.211] [3.338] ~ 2.629 O

232 228
+0.10
+0.22
+0.95 -0.60 A
+0.96 -0.60 C →
+0.91 -0.60 A

10003-059 Landings
M_V = +40

10003-059

10003-056 +32.7

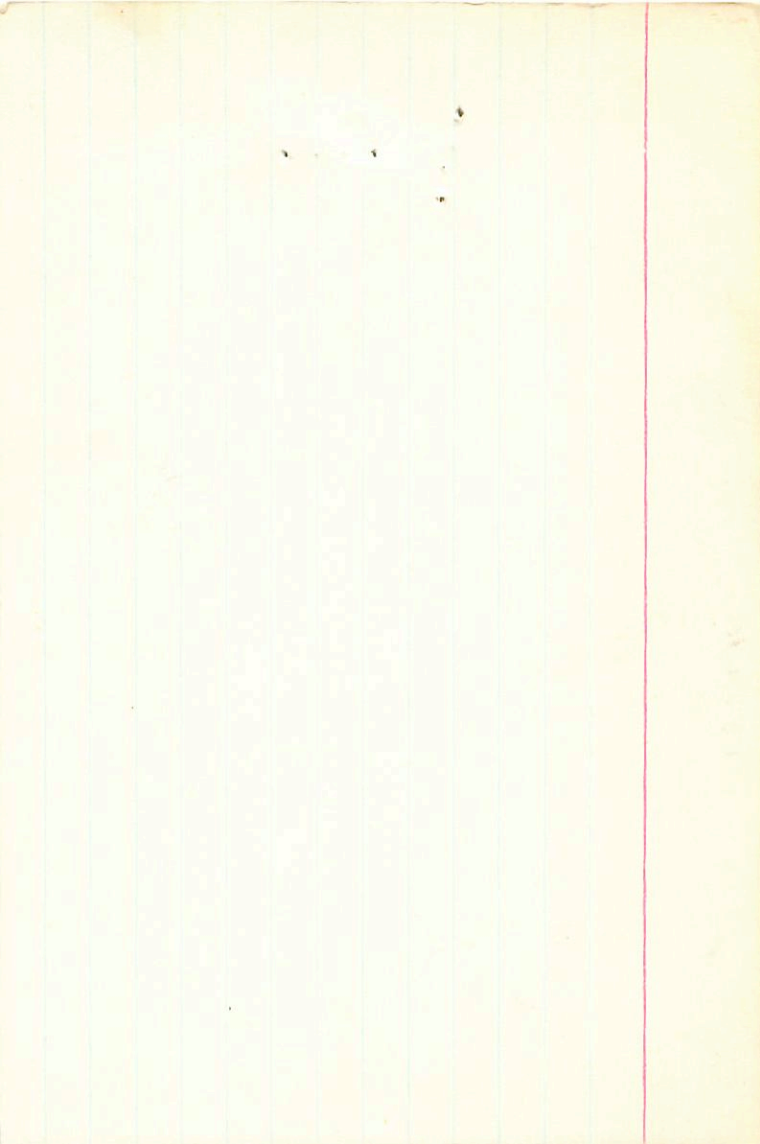
5114
18266
18365

574
522
522
54
105
113

1118
+95
-87
858
347

574
522

10003
10003



Card II

118266

$$\begin{array}{r}
 10050 \pm 113 \\
 10059 \\
 \hline
 100545
 \end{array}$$

$$\begin{array}{r}
 -068 \pm 83 \\
 -057 \\
 \hline
 -0625 \\
 -0595
 \end{array}$$

4.193 1905.4

$$\begin{array}{r}
 -223 \\
 \hline
 3,970
 \end{array}$$

4.126 118

$$\begin{array}{r}
 159 \\
 \hline
 +189
 \end{array}$$

32.0

+10 27 38.23 19003

$$\begin{array}{r}
 +3.38 \\
 \hline
 41.61
 \end{array}$$

35.62 1934.6

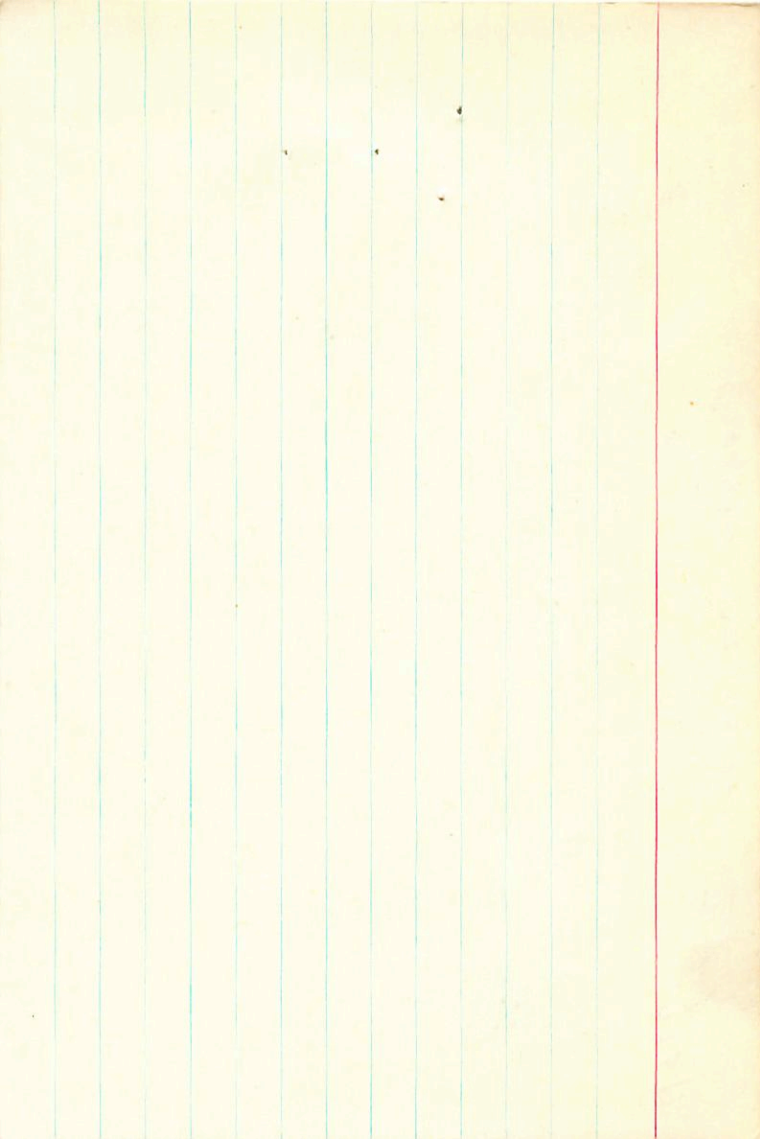
$$\begin{array}{r}
 39.52 \\
 \hline
 1940.25
 \end{array}$$

39.60

$$\begin{array}{r}
 485 \\
 \hline
 37.4
 \end{array}$$

$$\begin{array}{r}
 39.47 \\
 \hline
 39.50 \\
 -2.11
 \end{array}$$

37.1



32
41.0

118266 13 33.1 +10 28 +32.71044

(-0.16) DP

6618368

W8049

+102565

+702566 cp.

1785114

70"

6.24

8.570"

6.47 +1.05 +0.88

6.54 +1.07 +2.17

8.91 +0.475 -0.015

8.98 +0.50 +1.65

2.415"

1.24"

2.115"

1.24"

R1111 H

+0.74 -0.68 62

+0.715 -0.424 Y

+0.88 -0.4246

5.73

1.10

5.73

6.5

7.105

1.15

1.2

4.15

0.500

$-3.95 = 919$ 189 583 $+074$ -068 $+32.7$ -013 $+6$ $\frac{312}{95}$
 029 -005 -068 012 081 -374 $+32.1$ -29 -13

-17 -62 -39 007

-23 -9 $+7$

008

-19 -56 -24

-67 -10 $+12$

006

-16 -77 -47

-85 -11 $+4$

∇

-78 -10 $+5$ 0065

W : -4.127

R.A. : 13.550
DEC. : ~~50.000~~
R.A. : ~~54.000~~
DEC. : ~~50.000~~
TANCE : 5.380
DULUS : 119
VEL. : 34.700

q1 (U) : -0.775
q2 (U) : 0.549
q3 (U) : -0.312
dU : -483.955
U : -68.464

q1 (V) : 0.608
q2 (V) : 0.782
q3 (V) : -0.135
dV : 69.172
V : 3.544

q1 (W) : -0.169
q2 (W) : 0.294
q3 (W) : 0.941
dW : -150.394
W : 14.721

17

18439/40

118742

13 35.9 7.89 26 d62 -212w(3)

105888/ Δm = 2.43" (140) E d(6-8 -27Cw(4)

w 8069 Δm = 3.36" (140)

7.78 t0.67 t0.24 G5E

Y3118

δ = 0.03

w(4.1)

72902663

Alec 5>>" 9.6

0189-143

-282-143

A -225⁻⁵³ -163^{1/2} Gc

t(3-57 -7.025

t(17-69 -4.020

7.79 427472 801 @ 1/2 AB 7.76 t0.71 t0.22

-222⁻⁰⁵ -162

918 820 1710

305 @ 1/2 C 9.15 0.97 0.12

-365 -1067

143

3.15

-2470

231683

2750 m(5)

-0144+3.2
-0195

-163+2.4
-160

-406 -914 635 773 -222 -162 -242 -103 -15 -592

-090 -042 203 094 -772 763 -15.6 +17 +8

-24 +43 -43 0215

416 -53 -4

51.634 1897.5 +39 26 1.49 1893.6

1018

9.14
10.68

52.652

1525.5

46.410
52030

43.9
36.88

559
27.8

30.3

34.2

52.129
111
1109

5.520
5.32

5.226
5.4

52.010
030

5.4
1930.2

8

10.000
08.450
1000.000
140.000
0.150
43
000

P.A.
DEC.
P.A.
DEC.
ANCE
MITS

R.A. : 13.600
DEC. : 39.450
R.A. : -368.000
DEC. : -143.000
ANCE : 3.150
US : 43
000 350

G64-12 13 37.29 • 70 12.9

4440 h/200

11.48 +0.40 -0.22 2N

.29 2400 G

.24 2450 Wurf

(4)

GL4-12

13 37.5 +00 13 +4

waf1492

11.49 +0.38 -0.23 ~~Sample~~

+438.5 Sample (4)

-0.15

11.2

6

0.95

4.98

1.62

Empty 5 + ?

-0.265 -0.115 Nicholas (1)
-0.215 -0.100 Wolf

Bare Slingshot Heads

19

0.000*

13.000*

37.500*

0.000*

13.000*

-0.240*

-0.108*

6.000*

158.489

438.500

0.625

-0.419

-84.914

-1.080

-0.260

-285.182

-0.022

0.870

377.933

19

1870
1871
1872
1873
1874
1875
1876
1877
1878
1879
1880
1881
1882
1883
1884
1885
1886
1887
1888
1889
1890

1870
1871
1872
1873
1874
1875
1876
1877
1878
1879
1880
1881
1882
1883
1884
1885
1886
1887
1888
1889
1890

0.000*

7.2
275
32
313
374

13.000*

37.500*

0.000*

13.000*

-0.215*

-0.100*

6.000*

~~20~~ 6.2

269 171.7

158.489

438.500

0.552

-0.419

(-35)

-11

-89

-96.409

-0.979

-0.260

(377)

366

282

-269.178

19

-0.027

0.870

(374)

+377

377.177

18581

13 37.9 + 2 24

2.2.205

064-225

12-129

14^d P

8.71 + 0.57

0.2220

136
+ 2.4

64
- 225

4.2

230

23

000. 3
000. 2
000. 1

BR. 10
C. 10

R.A. :
DEC. : "

13.600
2.400
64.000

ADS9002

-0028 ± 3.3
-0021

-028 ± 2.5
-029

13 40.9 -4 01

20 9154 +4.78

18553

8109

54.600 1904.9 -4 1 23.03 1900.9

9.528"
 physical

.126
726

36.869

17.777

54.646

16.727

685

BM-311

54.646

16.727

685

28.6

665

161

54.629

141
644

4137

21.66

48.75

34.527

23.62

65

22.23

42

22.11
+3
2278

427.59

42.60

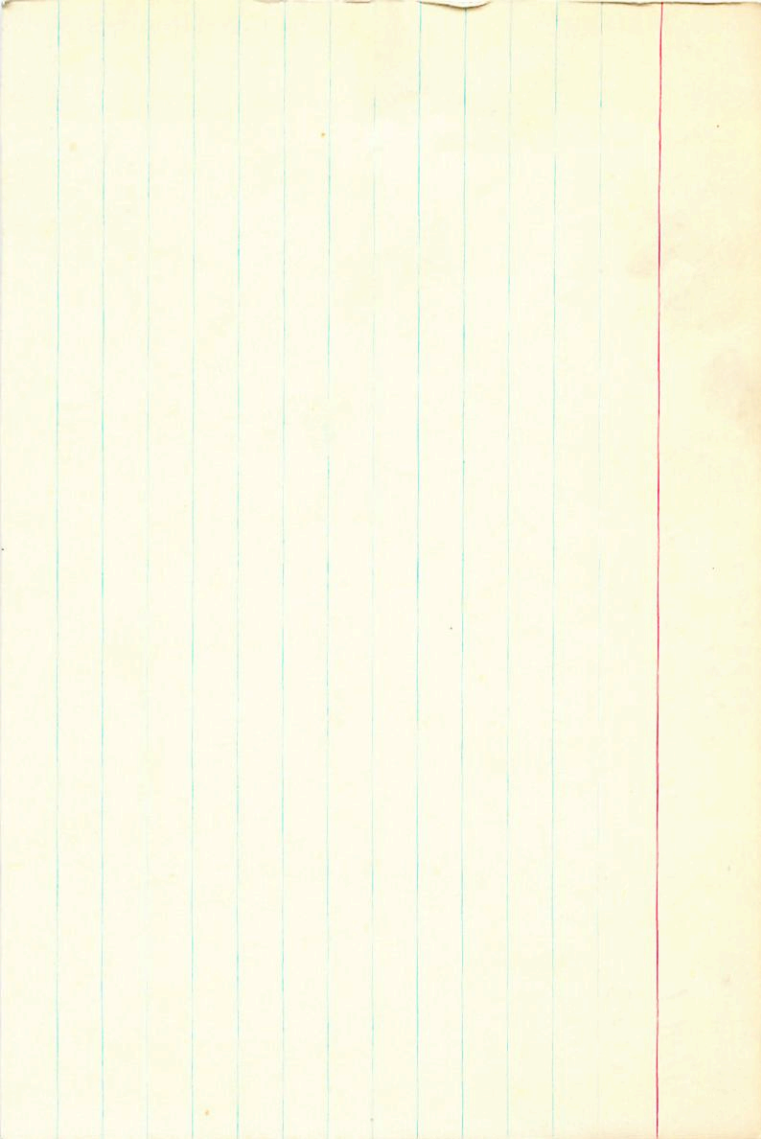
0.94

699

1989.37

33.5

32.6



ADS9002

179967

13

68039 - 04 02

102 TH

B=+03

617

554

653

1.8

~~20.1~~

7.10

6.55

→ 6.49

10.03

3.5

6.53

3.26

7

333

+1.29

+0.46

-0.44

+0.53

3.5

6.53

3.26

+1.21

↑ acct.

+0.04

4B

7.75

[1.219]

1237

+ 018

+ 607

2.636

[1.373]

815

055

MV + 3.50

Redden

D.V.=+03



119971

GC18627

W8134

Y 3137

-490813E

HR 5174

13 44.5 -50 04

(15 +30.40

MF 5.45 B-2

+30.3 C(3)

1313 1095 182 MF 5.45 +1.32-Cape

+30.8 C(2)

525 126

(17 VIII)

R4(-0.3)Mare

(12) 107304
E 1074 +03

+615

E(B-d) = 17-

(12) 1074
1074 1074

-0158 = 025 Oct -153 -030 GC

+26 -75 +30 .01
+9 -58 +11 -015 -

-01535 -019

(5.0)

+30.4

(148 -015)

(+028 E)

1.252-1074 177

(5B)

-0.36

221818 -026 +14 -60 +11

85108 (10)

482

-015976.5
-0157
-030755.4
-019

29.666
422
1910.9

-50 4 18.31
1906.7

30.288

4130
17.01

29.865
-26
83.9

17.05
-47
17.55
9596
1834.46

1407
1704
-584

37.1

17.80
-179

48.0
41.3

29.553
-25
568

17.67
-38
15.05
1956.50

119871

6418627

13 44.5 -50 04 15 13049

48134

+30.32(3)

73137

+30.8 C (2)

-49 09198

58.44 +1.32 67C
67C

5776 312

+11.8

5206 313

+14.5

+0.02 -2.75 5.5 9.55

16.5 255 G-C

-153 -0.30

-143 +0.03 CP

-150 -0.17 66+

-148 -0.10

+25 -57 +6 .0125

9 510 410

s
+031

n
+91

s_{2d}

$\Delta u_0 = .013$

86+
850
726

12

z 1939.46

Gen. $M_3 = -.017$

$p=3$

$p_0 = 0.76$

$z_{\alpha} = 0.437 \delta, 403 \downarrow$

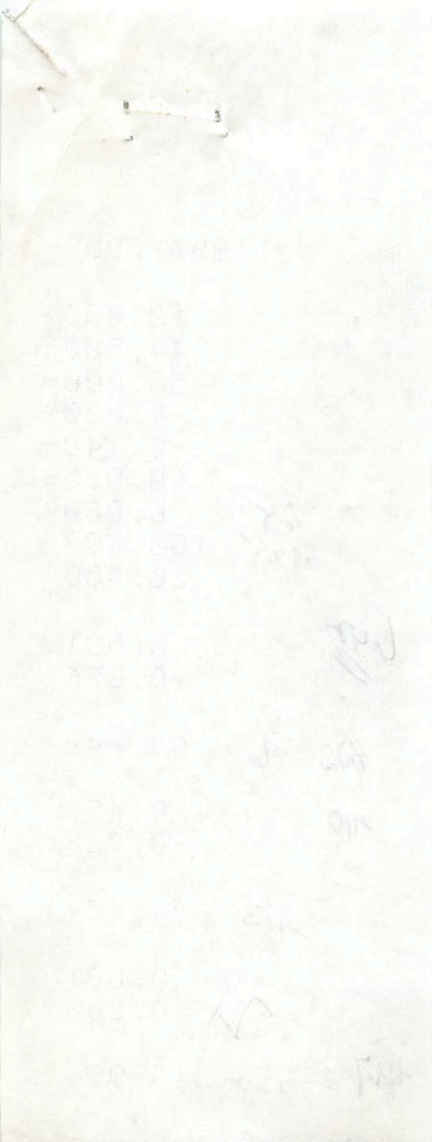
$p_{.25} = 4.93 \delta$

-440 - 898 - 767 641 - 148 - 010 + 30.4 008 - 23 - 028 ✓
-065 007 133 - 007 - 275 649 + 19.5 - 18 - 9

-40 + 43 - 25

+25 - 57 + 16

0125



119971.000*

13.000*

44.500*

-50.000*

-4.000*

-0.148*

-0.015*

6.000*

65
199.5

158.489

30.400

6400

0.531

-0.656

803 86

64.242

110

-0.457

-0.728

113

-94.474

0.081

71

0.200

1217

1220

18.986

R. A. : 13.750
DEC. : -50.050
R. A. : -141.000
DEC. : -6.280
ANGLE : 6.000
DULUS : 158
VEL. : 30.400

1 (U) : -0.753
2 (U) : -0.031
3 (U) : -0.657
dU : 324.144
U : 31.397

1 (V) : 0.622
2 (V) : 0.292
3 (V) : -0.727
dV : -275.552
V : -65.763

1 (W) : -0.215
2 (W) : 0.956
3 (W) : 0.200
dW : 63.718
W : 16.190

