

H5

W10288 17 44.7 -0.8 46 adFS +91.0ml(2)

CA1064 9.5

10.63 +0.57 -0.09 Seal 2 +28 -37 cm

Do ¹¹ ₁₁ ¹⁹ 10.58 +0.62 1.40 1.24' .000

+237 7R 14±94

588
402
122
4G4

~~-1 0 -153 988 +.28 -.37 + 91 .057 -14 -175~~

~~.280 .057 0 0 1.327 .250 0 -91 .011~~

~~+121 -66 -30~~

~~[-62 +66 -105]~~

ON
-8.451*

17.000*

44.700*

-8.000*

-46.000*

0.245*

-0.386*

5.000*

100.000

91.000

-0.620

-0.939

29
W28
-147.455

24
-0.857

0.298

101
-24
-58.544

-98
-1.891

0.173

-173.415

170737

18

27.9

+26 35 -137

Rossif
+1303683

18 31.0 +13 07

9.97
3.67

G-141-19

10.87 +0.664 008 Sunday

131 +822.10

9.55

-054 -250 Bordeaux

9.50

-042 -265 Titus (TT) +H

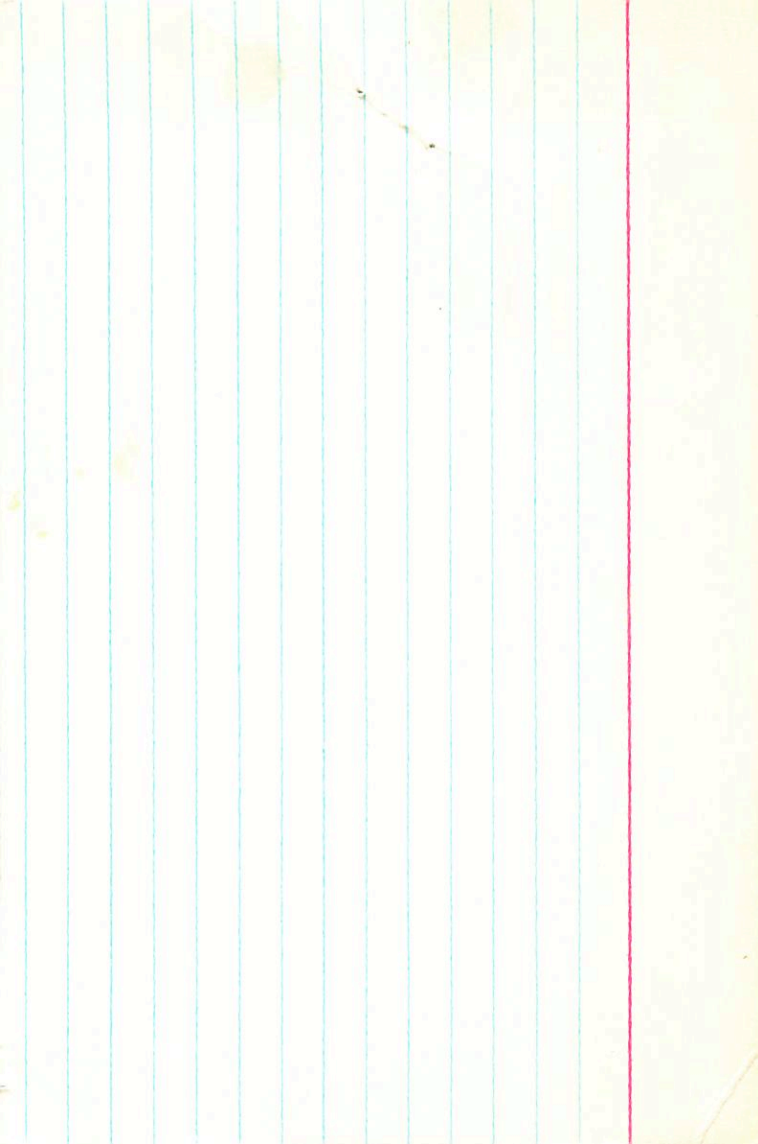
-35 -285 Michm

8.7

-042 -280

~~38~~

7.5



100148 #5 18 31.0 +13 OF ~~also~~ +112 d Mod (1)

+13036B

W1107

10.4

+78.2 1G

~~W1107~~

-260

(0.2)

-042 -265 T₂W

-0037^{±2} -054 -290^{±3} Bond

-5^{±12} Yk

-1 0 225 974 -042 -265 112 -060 126 -1.222

-042 -060 0 0 -199 -284 109 0 -109 0 1

-20 -137 -96

-166 -21 -6

-003 -274

72.412.

1235

+184 +665 -724 -0420 -8637

-9057 -65.6 579

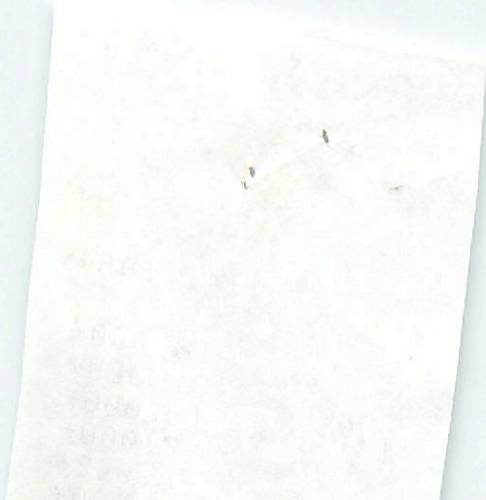
+428 +661 +668 -0978 -7910

-9888 -644 +53.4

-985 +432 +172 +2022 -5611

-3589 -240 +13.8

Σ 10



141.190*

18.000*

31.000*

13.000*

7.000*

-0.043*

019

10.5

603-7 19 332- 101 37

119912

948 0.57

R-I 386

1002 96

118

525

1184-222

516
2+

54

222

1111

118

116

18

50

Handwritten notes on a piece of paper taped to the page, including numbers like 101, 102, 103, 104, 105 and some illegible scribbles.

23
+433
-580
+50

216
+59.4
-53.9
+117

103

588 056

047 607

2280

0113

724

54

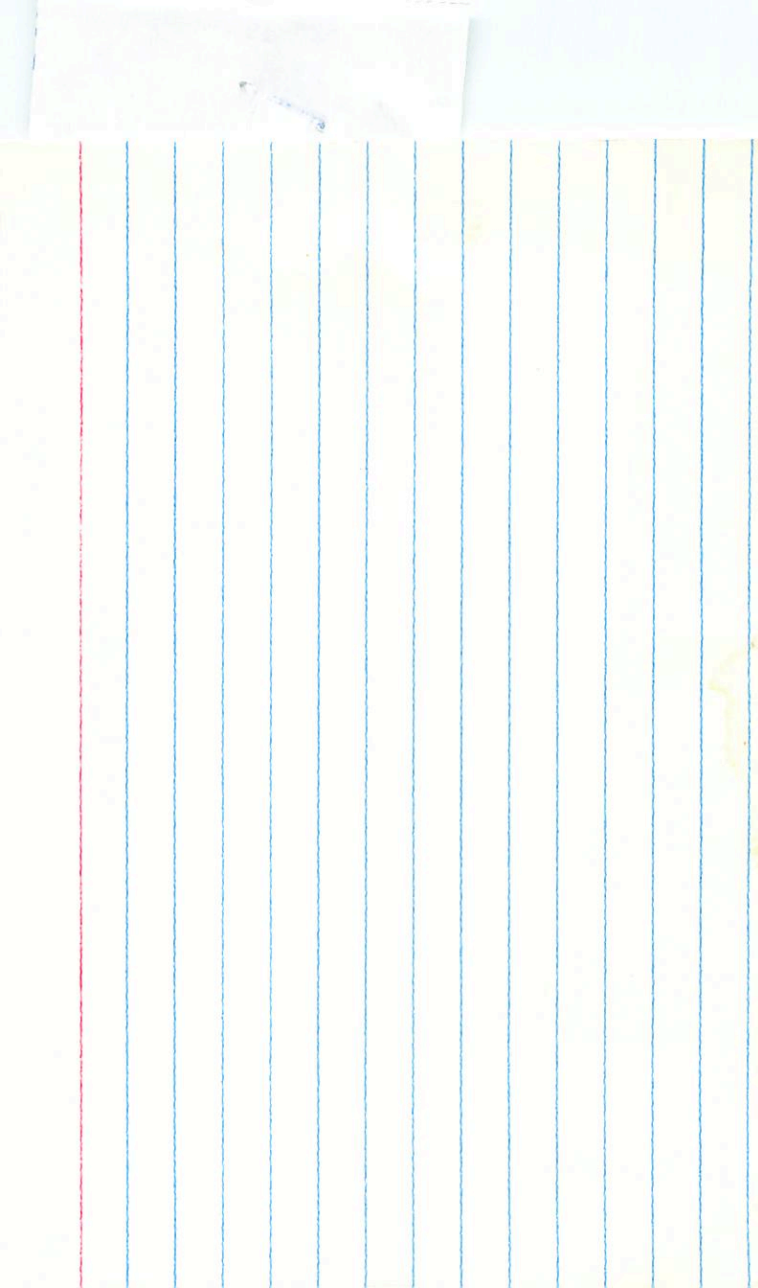
54

73
E 0113

10.31

104 336

114.071	M	
4300.004	QM	
-0.100	p3 (W)	
0.400	p2 (W)	
-0.875	p1 (W)	
-450.050	v	
-800.000	q1	
0.000	p3 (V)	
0.000	p2 (V)	
0.000	p1 (V)	
-545.381	u	
-0.000	q1	
-0.000	p3 (U)	
0.000	p2 (U)	
0.000	p1 (U)	
-81.000	c. VEL.	
450	MODULUS	
8.400	DISTANCE	
-320.000	1. DEC.	
-24.000	1. R.A.	
1.000	DEC.	
10.000	R.A.	



2475
2577

150448
20

A 6622

17.9 +0.5 52

G27-13

10.12 +0.61 -0.05 42

11

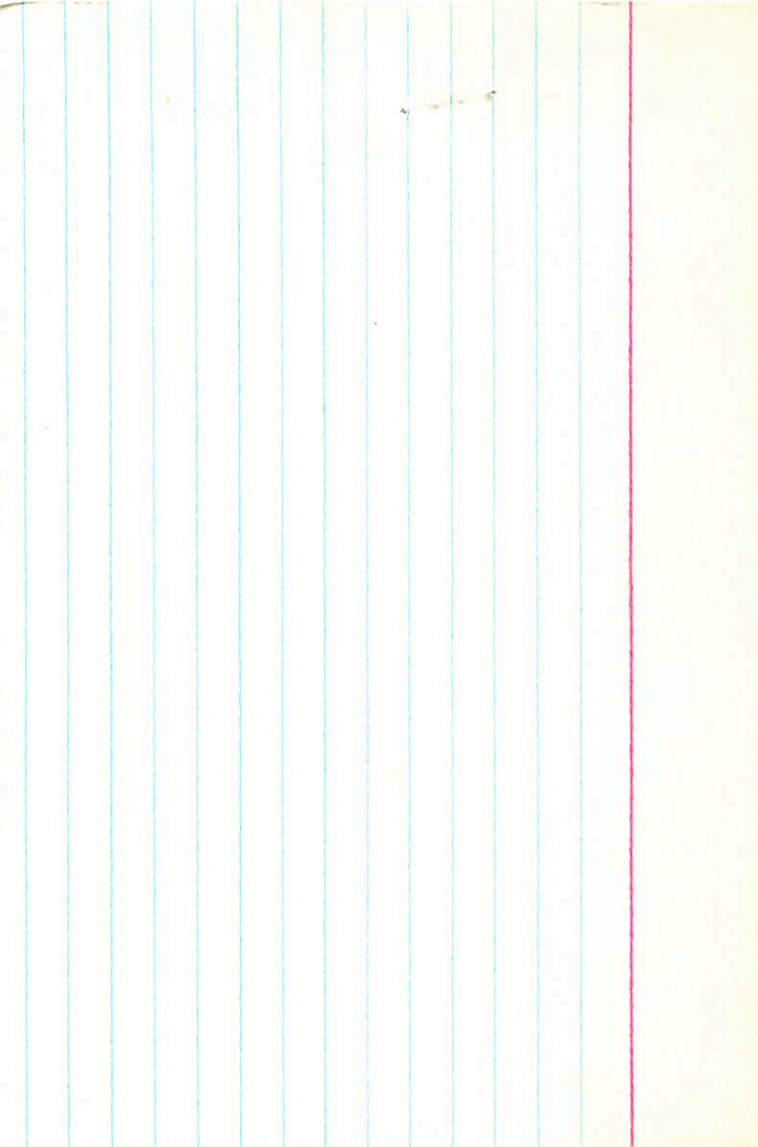
10.15 040

+101.5 6

+055-335 2nd (1)

+035-310 RPM

4.2



+504481 20 17.9 52
 15.4 405 447

+100.0 15ml.
+103.1 11.2ml
+101.5

57.5 ml 10.10 + 0.67 - 0.05 25ml
3.90 ~

0 : - 335 ?

+548	+552	-628	0	-8768	5968	-50.4	-63.7	-114
+152	+672	+724	0	-1067	1690	-61.4	+73.5	+12
-822	-492	-284	0	-782	2184	-44.9	-28.8	-74

4/6

-124

-11.5

-106

104





24.130*

20.000*

17.900*

5.000*

1604557 10150
195633 20

24.9 21
~~27.4~~ +6 10

8.5 18

$$V = 8.56$$

$$B - V = 10.47$$

$$n - B = 10.02$$

1591

584 554-593
117 665 737
-803 500 -324

+1132 +0914 +86
+0227 +0977 +1204 -19
-1556 +0735 -0821 +1

+076 +025
-7 +4
+069 +029
+1 +2
+070 +031

$$P = -69.0$$

861

475
+38.6

-47.9
+21.0

145633

20

259

46 21

78602

+60457

+76 +25

+69 +29

+3

346112 352 1 Bond

9.17

+080 +026 AUG 23

785

+072 +031

785

Feb 14

+076 +28

808 + 25

69

150 = 4

10-1 = +20

65 Bond

105

$F(7)W A(0)$

20 57.4 -15 18

144884

15.5858

-0003 -007 Cambridge

$[-004 -009]$

-9

-7

5.1

45.0

9.6/11, 1.0

195633.000*

20.000*

29.900*

6.000*

21.000*

0.078*

0.025*

4.850*

93.325

-69.000

0.281

-0.594

67.282

0.122

0.736

-26

-39.331

155

-0 -

380 2045

87 99

106

MISS
ANCE
DEC. :
R.A. :
DEC. :
R.A. :
DEC. :
R.A. :
30.000

R.A. :	20.950
DEC. :	-15.300
R.A. :	-4.000
DEC. :	-7.000
DANCE :	8.400
US :	479
	5.000

205650 21 34.5 -27 52 F5D

9.00 70.51 -0.20 (3) 74^u

30(17)

-104.06

+358 -194 706 → 20

+365 -218 C(17)

107

17 02.7 + 0 33

6P611-62 - 203 043

by
12.04 + 05

9386 -9931 2006

3450 1171 -0159

-8.9 0225

320

→ 11.85 Comp

205650.000*

21.000*

34.500*

-27.000*

-52.000*

0.362*

-0.206*

5.000*

100.000

-104.000

1.068

-0.636

172.950

-1.066

0.239

-131.479

4.0
6.309

3.75

33 10.9

6.7

1245-111

5780 00 56.7 400 21 124 III

1.339 1.232 0.179

2.666 + 144 + 1676

helo
7.12
896 0.635 580 0.020

6.74 + 0.62 (3)

13.6 7.1

2.23

5.53

365

920

-103.6

4.05

~~5 -0020 + 103 62~~

-0016 -105 66+

~~-0009 -109 new(2)~~

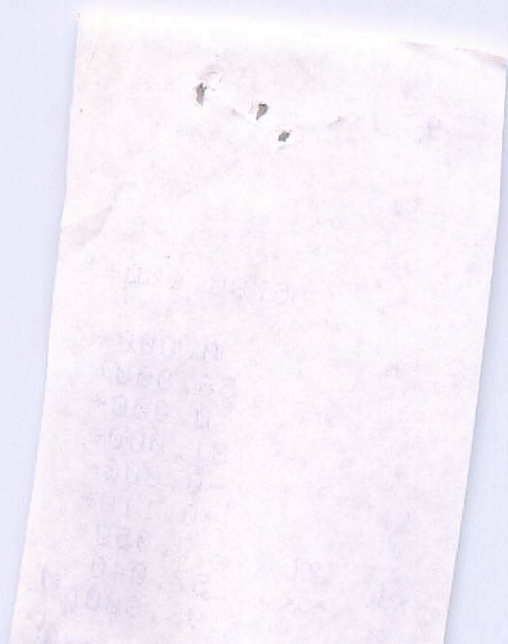
-106

-0080

-103.6

-0006 -110

108



1870

1871

1872

1873

1874

1875

1876

1877

1878

5780.000*

0.000*

56.800*

0.000*

31.000*

-0.006*

-0.110*

7.050*

257.040

-103.600

9.6

8.6
525

0.04
0.00

W4 to dummy q

Blca 11 09.2 -22-33 +6.46

HR4343 ~~4.47~~ 4.47 +0.03 1000 -1046c

W6877 97717 9216
+002 -105N
+002 -103P
+002 -104

010 101 1201 2804

+10000-1000
028-100

446 726 -026

A2 III
A2 IV
A2 V

8
-100
789
464
A2A 240 W47
A2A 240 W47
W476 dummy q

220 - 976 - 383 524 + 1002 - 104 + 6.4 040 - 2.4 - 455
000 - 009 - 002 - 039 155 - 052 + 5.9 - 5.8 + 1.3

+ 12.7 - 4.9 - 47.9 01

+ 3.4 + 1.3 - 24.6 02

- 12.2 - 16.3 - 14.7

+ 6.5 - 2.2 - 32.7

0.5

- 16.6 - 20.4 - 20.5

97277 11 09.2 -22 33 4.5 A2 +6.48

4.47+03 +1.51 24"

15395

6877

+0002⁶⁹ -105N30

000 ± 1.2 -104 ± 1.4 GC-9N30

109

R.A. : 14.180
DEC : -22.528
R.A. : 0.609
DEC : -100.000
STAGE : 0.270
MODULE : 0.418
REF. :

d1 YD : -0.804
d2 YD : 0.428
d3 YD : -0.808
d4 YD : -284.811
d5 YD : -22.821

d1 YD : 0.230
d2 YD : 0.428
d3 YD : -0.801
d4 YD : -284.811
d5 YD : -22.821

0.230
0.428
-0.801
-284.811
-22.821

R.A. : 11.150
DEC. : -22.550
R.A. : 0.000
DEC. : -100.000
STANCE : 4.870
MODULUS : 94
VEL. : 6.400

q1 (U) : -0.866
q2 (U) : 0.495
q3 (U) : -0.868
dU : -234.811
U : -22.551

q1 (V) : 0.330
q2 (V) : 0.465
q3 (V) : -0.821
dV : -220.529
V : -26.027

q1 (W) : 0.375
q2 (W) : 0.734
q3 (W) : 0.517

3963

9 39.1 -57 48

+7.0

94121

457

0038+009

105198 875 2832

030+009

5730 001 1252

+172

+203

Sm=00

519 524
594 600 K

orbit

-57

+9

4.03

+7.0

187
413

Arumatah Street

018

Cheng K-P
Burbmeister, P
Kondo, Y
Meady, K

APT 356, 153
1992

1. DISTANCE
2. MODEL
3. VEL
4. ...
5. ...
6. ...
7. ...
8. ...
9. ...
10. ...

11. ...
12. ...
13. ...
14. ...
15. ...
16. ...
17. ...
18. ...
19. ...
20. ...

21. ...
22. ...
23. ...
24. ...
25. ...

R.A. : 9.650
DEC. : -57.750
M. R.A. : -57.000
M. DEC. : 9.000
DISTANCE : 4.130
MODULUS : 67
D. VEL. : 7.000

q1 (U) : -0.751
q2 (U) : 0.638
q3 (U) : -0.169
dU : 135.537
U : 7.894

q1 (V) : 0.083
 : -0.163

Gand 0 14.5 +38 24 A2E +1.48

7.60 +0.06 +0.02 JM

63

$$\begin{array}{r}
 -0.55 \quad -0.15 \quad 6.6 \\
 \underline{-0.55} \quad \underline{-0.16} \quad 1.30 \\
 -0.55 \quad \underline{-0.17}
 \end{array}$$

+0002
 461 . +3
 -00007

W₃ 50

$$\begin{array}{r}
 -00451 \quad -0.120 \\
 +00013 \quad \underline{+0002} \\
 \underline{-00438} \quad \underline{-0.117} \\
 \quad \quad \quad \underline{-0044} \quad \underline{.61}
 \end{array}$$

40.81

-64
 -16
 370
 564

17.4(20)

$$\begin{array}{r}
 -0.515 \\
 0012
 \end{array}$$

010 -010
 -050 -010

7

063 998 621 284 -055 -017 4.4 -011 +9.8-062

003 007 -055 -011 066 -227 +6.1 + 0.1 + 0.1 025

15.5

+4 -9 -2

+5.0 -13.2 -2.8 017

$-9 + 4 - 3$

$-12.5 + 6.2 - 3.4$

44 -11 -2

02

+3.4 -2.7 -1.3 029

$-11 + 5 - 2$

03

$-7.1 + 4.0 - 2.2$

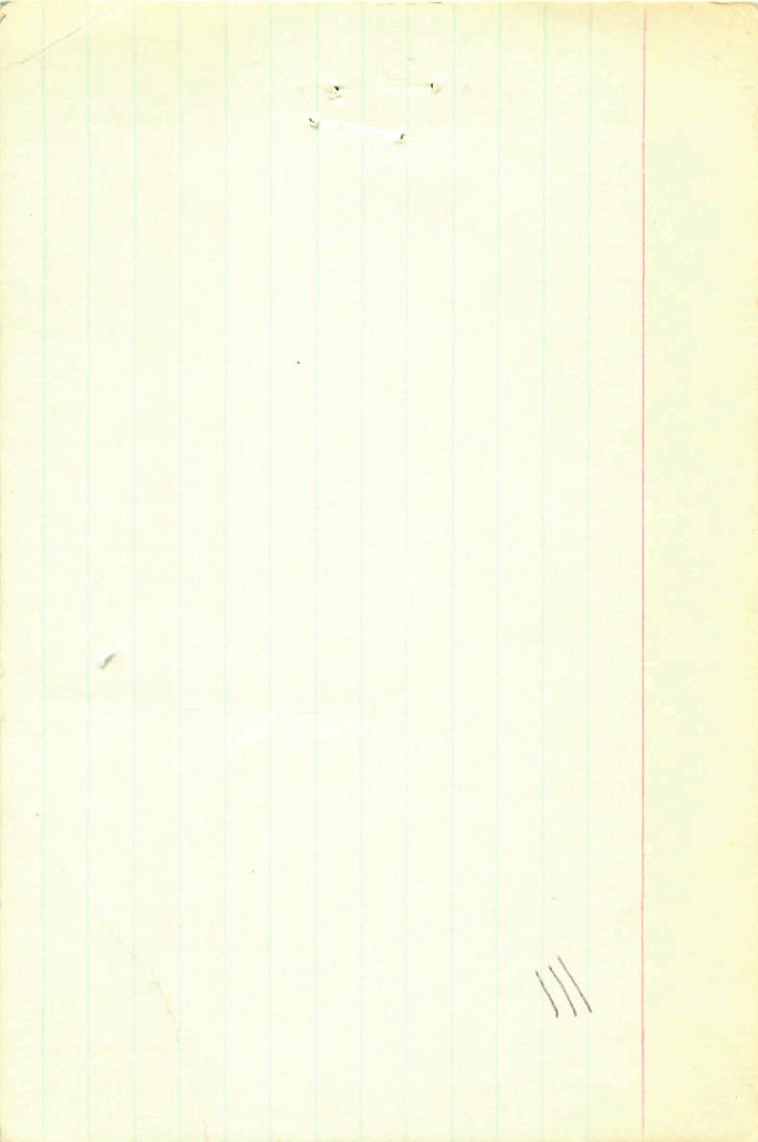
+3 -8 -1

$-7 + 4 - 2$

015

+5.5 -15.1 -3.2

-14.3 + 7.1 - 3.7



R.A. : 0.250
DEC. : 38.400
R.A. : -64.000
DEC. : -16.000
DISTANCE :
MODULUS :

R.A. : 1.250
DEC. : 27.000
1. R.A. : 28.000
1. DEC. : -13.000
DISTANCE : 4.750
MODULUS : 89
1. VEL. : 4.000

q1 (U) : 0.805
q2 (U) : 0.275
q3 (U) : 0.526
dU : 78.259
U : 9.079

q1 (V) : -0.585
q2 (V) : 0.517
q3 (V) : 0.625
dV : -101.036
V : -6.506

q1 (W) : 0.100
q2 (W) : 0.811
q3 (W) : -0.577
dW : -38.059
W : -5.700

112

5.22
 4.4
 4.15
 4.338
 4.74
 4.90
 4.74

$u = 0.08$
 $a = 0.09$
 0.854
 0.412
 0.35
 0.47
 0.34
 0.34
 0.34
 0.34

1.34
 1.429
 1.416
 1.104
 1.56
 3.12

1.57
 1.57

1.57
 1.57
 1.57
 1.57
 1.57

1.57
 1.57

1.57
 1.57

1.57
 1.57
 1.57

1.57
 1.57

0.29
 1.51
 1.110

4.59
 4.05
 4.04
 3.55

10.31

10.31

4
 14.5
 $+ 50$
 10

1.57
 1.57
 1.57
 1.57

816 2 42.7 +4 29

17163

3315

~~6.02 +0.82 to 0.6 C~~

~~+191 +193 +722 020 5 PC~~

Bnd 51

MB

4.129
28.158
24.880
22.888
2.008
21.888

DEC
F.A.
DEC
ST-ICE
MODUL
DEL

01 (U) : 0.324
03 (U) : 0.814
03 (U) : 0.882
01 : 0.2.898
0 : 00.298

01 (U) : 0.041
03 (U) : 0.820
03 (U) : 0.422
01 : 0.282.221
0 : 19.238

01 (U) : 0.802
03 (U) : 0.219
03 (U) : 0.041
01 : 0.2.898

R.A. : 4.250
DEC. : 50.150
R.A. : 54.000
DEC. : -62.000
STANCE : 5.000
MODULUS : 100
VEL. : 21.000

q1 (U) : 0.326
q2 (U) : -0.314
q3 (U) : 0.892
dU : 145.690
U : 33.296

q1 (V) : -0.641
q2 (V) : 0.620
q3 (V) : 0.452
dV : -287.322
V : -19.230

q1 (W) : 0.695
q2 (W) : 0.719
q3 (W) : -0.001
dW : -97.399
W : -8.750

113

$5m = 9.5$
 24 days
 $9m = 55$
 0.53

179
 2499
 2546

$9m \text{ on } 10/11/12$
 3.8

61497
 5121
 10343

10^{-55} cm
 77
 $-0050 - 053$
 -0050 ± 1.6

$A3M$

$-0.37 - 0.5560$
 $-0.39 - 0.53M$
 $-0.41 - 0.5412$
 $-0.39 - 0.54$

$E(17) 020$

$10764 - 10869$
 $10750 - 10850$
 $10740 - 10840$

-77
 -49
 18.7

8105
 5457
 5415

-0.25

10373
 10373

$498 - 0.96$
 1.55

507
 507
 42

-0.20
 -12

855 515

200
154
143

14

Handwritten notes on a piece of paper, possibly a page from a book or a document. The text is written in a cursive or semi-cursive script and is mostly illegible due to blurring and the angle of the page. Some words are faintly visible, including "PRO" and "M".

R.A. :	7.650
DEC. :	58.850
M. R.A. :	-72.000
DEC. :	-51.000
ANCE :	5.070
	103

+220

5,
C, (S)

40511550 18 594 -29 57

+28.28508

3 sig
w 11452

(1141)

0.0421

DM=0

-019 -005 60

17657

1159 +0.10

12.11

-078 +006 430

26161

40

43

~~10014 +006 43 130~~

-016 -001 543

11492

~~10015 +001 5.1.8 62 7430~~

-018 000

1122

2.54-093 1345
(Landing)

1028 2604
157680

50
10
2.04

1028 5109

(102850)

set

-967 254 -499 766 015 000 +28.2 0 -14.1 0

-017 ~~00~~ -005 0 -051 -024 +244 +6.2 -28.6 0 421

+4 -25 -14

$\boxed{-29 + 2 - 6}$

+4.4 -24.1 -14.1 05

$\boxed{-27.4 + 2.4 - 6.7}$

115

AD. VEL. 25.000
MODULUS 25.000
DISTANCE 25.000
CM. DEC. 25.000
PM. R. A. 25.000
R. A. 25.000
DEC. 25.000

R.A.	:	19.000
DEC.	:	-29.950
P.M. R.A.	:	-25.000
P.M. DEC.	:	10.000
DISTANCE	:	2.040
MODULUS	:	26
AD. VEL.	:	25.000

q1 (U)	:	0.291
q2 (U)	:	0.007
q3 (U)	:	-0.957
dU	:	-29.517
U	:	-24.676

q1 (V)	:	0.359
q2 (V)	:	0.926
q3 (V)	:	0.116
dV	:	
U	:	

26A

178253 19 06.1

+0074#3.0
+0067
-37 59

-102#2.4
-099
4.1

A2M -18.46

26360
11599

7254

018/85

1062-2886

4.374

1903.9

-37

59

3.66

1899.7

FRS
-341
0.33

4.04 100 145

+8.13
-8.53

100708 0986

4.277

-10

666

333

+300

445

2.35

-7

2.42

672

336

-483

1084-099

267

+63

105

-99

3.45

-19.4

4.18

-12

430

4.395

+14

377

399

1957.1

4.18

-12

430

377 399

1957.1

4.18

-12

430

4871

48.4

48.7

H5

W10289 17 44.7 -0.5 46 adF8 +91.6 ml(2)

CA1064 9.5

+28 -37 cm

10.63 +0.57 -0.09 Seal 2

(19)

10.58 +0.62 1.40 1.24

0.011

Do //

0.190

14494

7R

+237

0.13

5.88
6.07

12.2

464

-1 0 -153 988 +.28 ~.37 + 91.057 -14 -175

.011

.250 .057 0 0 1.327 .250 0 -91

+121-66-30

-62 +66 -105

209

+147-61-34

-57 +62 -134

20

R.A. : 19.550
DEC. : 1.600
R.A. : -54.000
DEC. : -222.000
DISTANCE : 8.400
MODULUS : 479
D. VEL. : -81.000

q1 (U) : 0.406
q2 (U) : 0.505
q3 (U) : -0.762
dU : -635.381
U : -242.381

q1 (V) : 0.275
q2 (V) : 0.727
q3 (V) : 0.629
dV : -835.688
V : -450.920

-0.872
0.465
0.156
-0.664

5.88 0.56 0.47 607 2.280

0.113

724

8.4
-1.9
6.5
E 0.113

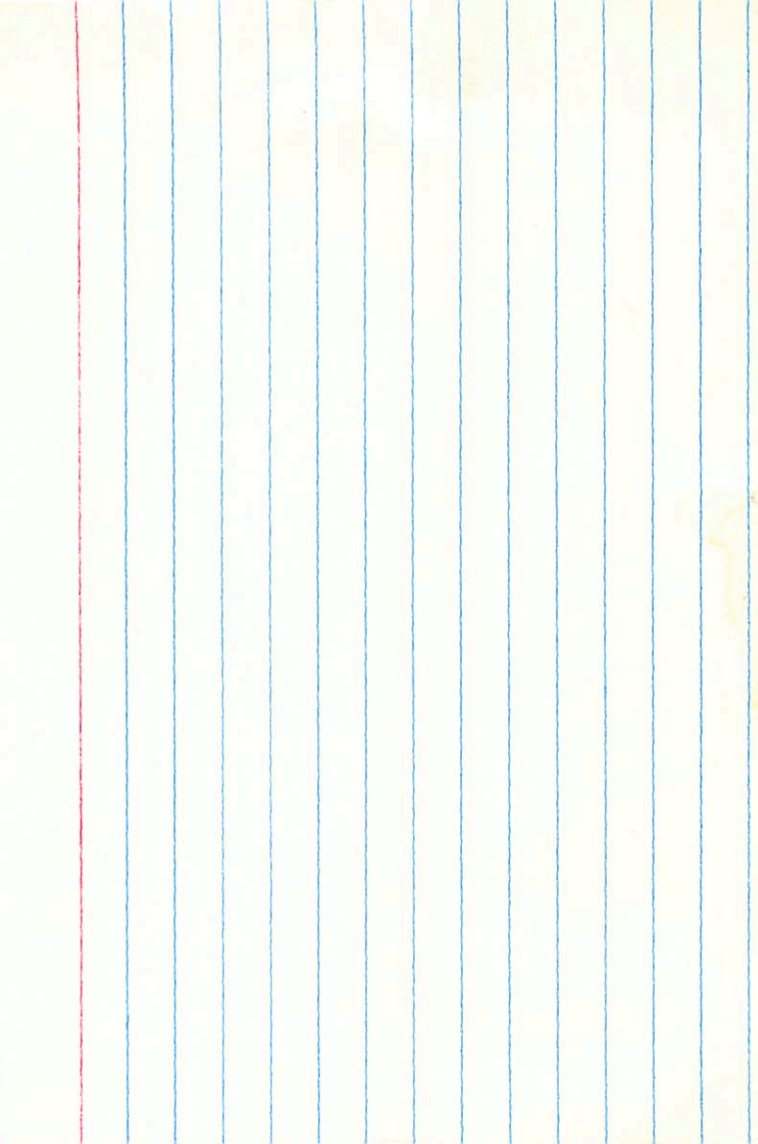
6.36 0.58 0.04 336 2016

E 0.1971

9.5
+0.6
10.1

5.45
-3.45
2.00

E 1.42



025.0	:	R. A.
004.88	:	DEC.
000.46	:	R. A.
000.51	:	DEC.
007.0	:	FANCE
00	:	ULUS
004.1	:	VEL.
00	:	
788.0	:	(U)
288.0	:	(U)
798.0	:	(U)
788.922	:	UB
820.51	:	U
00	:	
284.0	:	(U)
022.0	:	(U)
028.0	:	(U)
010.29	:	UB
112.0	:	U
00	:	
101.0	:	(U)
008.0	:	(U)
000.0	:	(U)
018.70	:	U
000.2	:	U

R.A. : 0.250
DEC. : 38.400
R.A. : -64.000
DEC. : -16.000
DISTANCE : 3.700
MODULUS : 55
VEL. : 1.400

0.0

1 (U) : 0.867
2 (U) : 0.302
3 (U) : 0.397
NP : -228.907
U : -12.023
60

1 (V) : -0.482
2 (V) : 0.296
3 (V) : 0.825
NP : 92.016
V : 6.211
50

1 (W) : -0.131
2 (W) : 0.906
3 (W) : -0.402
NP : -37.516
W : -2.625
50

111

4178

-74

383

16.7 + 27.00

25 Dec

7964
 15-51
 101109
 ①
 SHC
 15-51
 101109
 ②
 SHC
 15-51
 101109

43

4.76 + 0.03 + 0.10
 + 0.022 + 1.61 + 1.189
 CEO SPC

149 1195
 334 1511
 1521 44
 1555

2872 JG

A3D

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+010 1641187

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~~100187~~
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 100187
 100187
 100187

$a = +038$
 $n = 108$

[20] 165 230

+8C

-0.10
 $\frac{4.85}{4.85}$

-0.05
 $\frac{1.763}{1.36}$
 $\frac{0.93}{0.93}$

[C17] 1185

10250

10250
 10250
 10250

47



112