9081 10 26.3 -27 06 +0.4 (4)

~~3.4534~~

~~26.0442~~

8.83 477 343 257 (3)

886 478 324 272 (1)

477 340 255

027

081

0.260

5.91

1V

+4.03

9045 10 28 -7 18 GOWB

-70.1111 x100

-0.119 +0.045 Y
-0.126 +0.050
-0.122 0.047 S

-0.120 +05 Z

-0244 +054
-0256 +047
-0263 +050

-37 Z
+5 Z
4.8

9104 38 118 220 (1)

2.580

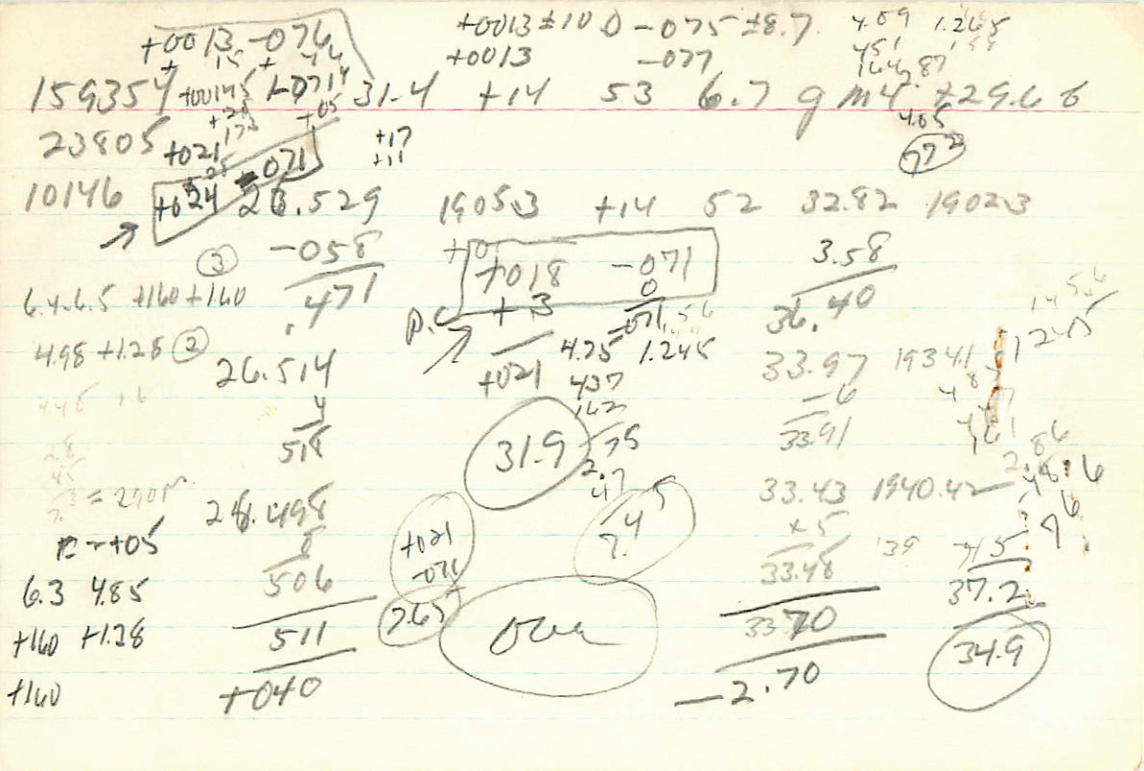
+351 -016

R.A. :	10.500
DEC. :	-71.300
PM. R.A. :	-372.000
PM. DEC. :	52.000
DISTANCE :	4.800
MODULUS :	91
RAD. VEL. :	0.000

q1 (U) :	-0.832
q2 (U) :	0.413
q3 (U) :	-0.371
dU :	572.071
U :	52.174

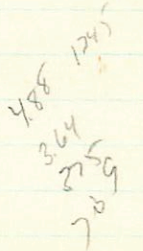
q1 (V) :	0.228
q2 (V) :	-0.356
q3 (V) :	-0.90
dV :	-216.287
V :	-19.72

q1 (W) :	0.50
q2 (W) :	0.83
q3 (W) :	-0.20
dW :	-79.41
W :	-7.2



2:50 p.

-042	+692	-721	+0036	-2329	-2365	-686	-89.9	-213
+548	+621	+564	+0465	-2090	-1625	-471	-30.4	+16.7
-537	+369	+403	-0714	-1242	-1956	-567	-44.8	+11.9



588 10 44.6 +21 45

+2202271

9.4 mL

10.13 +1.22 +1.19 (2) +0.48 (3)

9.07
4.36
5.54

-326 -052 L

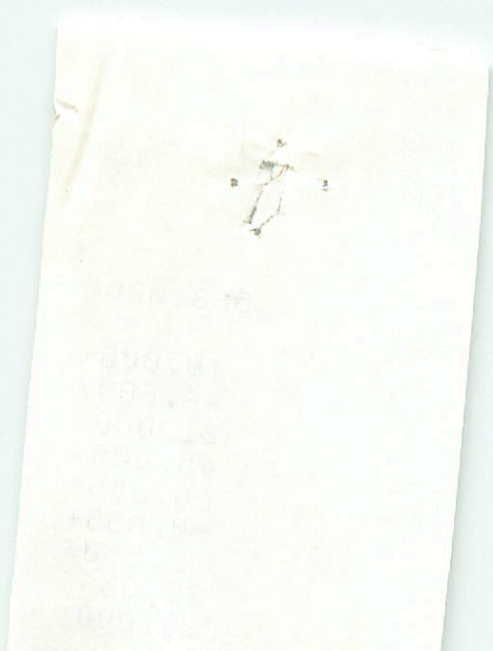
-387 -071 G(1)

-0.375 -0.052 Mc-AC

-389 -078 AGR3

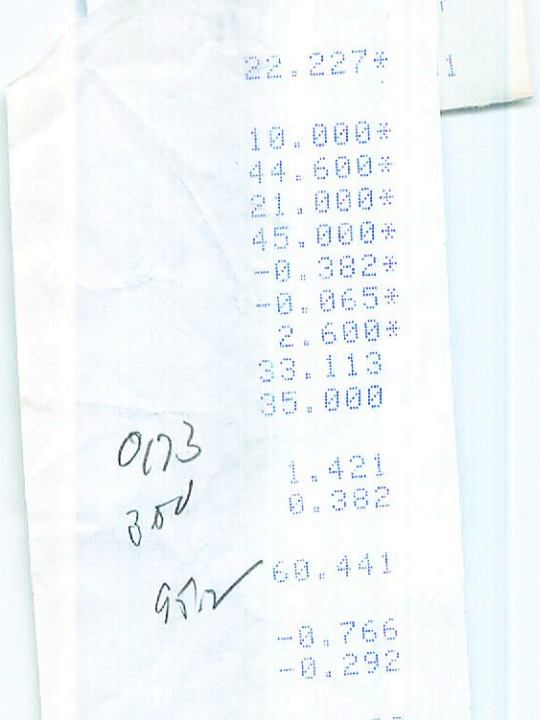
+35.0
-355 -55 2.55

+853



588.000*

10.000*
44.600*
21.000*
45.000*
-0.355*
-0.055*
2.550*
32.359
35.000


22.227*
10.000*
44.600*
21.000*
45.000*
-0.382*
-0.065*
2.600*
33.113
35.000
0173
350
1.421
0.382
95%
60.441
-0.766
-0.292

94518 (53311) 10 √7.6 −30 √3 G2E +92.7 (4)

−308807 8.35 +60

8.34 378 179788 (1)

384 157

340 165

+466

45

√11

1084 −37

1087 −328 (calculus)

−112 −376 −130

−326

2.23

+925

−113.91 −336.91

12.72 1.00

R.A. = 19.050
DEC. = -30.4000
R.A. = 138.5000
DEC. = -32.8000
DISTANCE = 5.2330
MODULUS = 36.5000
VEL. = 944

B1 (U) = -0.8550
B2 (U) = 0.5150
B3 (U) = -0.8810
DU = -1345.4140
-1222.4760

B1 (V) = 0.2840
B2 (V) = 0.3200
B3 (V) = -0.9601
DV = -1112.5880
-1041.1330

B1 (M) = 0.4827
B2 (M) = 0.2702
B3 (M) = 0.8422
DM = -1462.8820
-1357.2330

4269 -6 +13 10 53.4 +42 17 102 TH

94669

15030

6.03 +1.18 +1.08 UP

5.52 +0.39 A WL30 WO?

514

469 +6

425 +1.7

+0012 -1034 42 114 ±3.0 -544

+0133 5

+014 -109

Y 2545.0 .016 ±10

4264.000*

10.000*
53.400*
42.000*

+42 2163 10 54.3 +42 09

C-146-75

-26 C

-0613 -278 (H)

W6781 10 5-4.3 +42 09 9.6 A153 - 24C

+4202163

s = 08

9.72 +0.82 +0.39 N1 IV R

CC5-99

3.25 = 44.700

-0615	-.281	D(H)
+ 2	+ 3	
-0613	-278	

-857 +239 +457	+2.7724	-3149	+2.4575	+109.8	-11.9
+294 +954 +053	-9511	-1.2571	-2.2082	-98.7	-1.4
+424 -180 +888	-1.3716	+2372	-1.1344	-50.7	-23.1

+97.9
-100.1
-73.8

5593 8.60 +0.69 +0.16 G2V +12.3

95364

+24°2300

+028 -179 AB NO
+026 -176 Y → FNY
+027 -178
+025 -174

8.12
3.5
4.25

+.027 -.174
0 -.005
+.027 -.179
-.001 +.003
+.026 -.182

-176

10h58m17.350 +24° 20' 15.32 1928.22
+.022 -.18
17.372 15.14

3s2n 10h58 17.350 +24° 20' 15.00 1930.1
-235 .010 -.14
+906 .360 14.86

+0026 -161 24
-161
+1213

352

-61.710

-4.55

-27

-60.2

+9

25

95364.000*

10.000*
58.300*
24.000*
20.000*
0.028*
-0.174*
4.250*
70.795
12.300

-0.420
0.352

-25.438

-0.721
-0.235

-53.967

-0.024
0.906

9.451

R.A.	:	10.950
DEC.	:	24.350
PM. R.A.	:	24.000
PM. DEC.	:	-161.000
DISTANCE	:	5.000
MODULUS	:	100
RAD. VEL.	:	12.300

q1 (U)	:	-0.858
q2 (U)	:	0.369
q3 (U)	:	0.356
dU	:	-370.870
U	:	-32.703

q1 (V)	:	0.300
q2 (V)	:	0.924
q3 (V)	:	-0.236
dV	:	-674.299
V	:	-70.338

q1 (W)	:	0.417
q2 (W)	:	0.096
q3 (W)	:	0.904
dW	:	-30.106
W	:	8.107

96360 11 04.7 +68 34 gm4

+48.7

97320 11 050 65 11 F3E

44636

817 338 079 300 2617 (3)

817 342 081 312 (1)

4.26

81

607

817 339 079 304 2617

1074 805 352 087 299

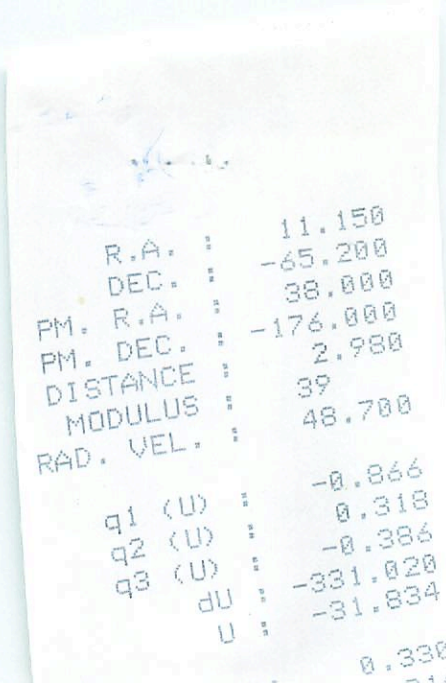
258

016 176 38

776

258

+48.7



R.A. : 11.150
DEC. : -65.200
PM. R.A. : 38.000
PM. DEC. : -176.000
DISTANCE : 2.980
MODULUS : 39
RAD. VEL. : 48.700

q1 (U) : -0.866
q2 (U) : 0.318
q3 (U) : -0.386
dU : -331.020
U : -31.834

0.330

+53.1480 11 13.2 +53 03 -41.5 (2)

97855

HD 5363 -38.2 (1)

-43.4 (6)

-42.8

6.54 295 176

802 373 177

97561
GC15428
W6887
Dm=0

A0580 94

11 11.0 +20 24 dG4 +45.3 0
+44.2V(6)
6.92 +0.75 +0.33 G7 III R +44.9W(3)

δ = .01
6.70 W(+4.1)
6.61 +0.26 3A

+59	-90	-6	.015
+84	-75	+4	.0185
+78	-72	+6	.02
+66	-58	+14	.025
+57	-50	+18	.030
+51	-45	+21	.035

-02725 -134 GC+ -385±5 -120±5 Y
-133.5 -382±3 -136±2 GC
-382±3 -133±3 both
-382 -134

-382'
-382 -124
+45.3
2.9

-0272 ± 2.9 -136 ± 2.2
-0273 -132

3.541 1886.8 +20 24 9.88 1881.0
1.719 9.38
5.260 19.26

4.000 12.24 1933.2
+.006 13
4.006 12.37

3.747 11.24 1941.43
14 +2
761 11.26
3767
3884 11.82
-1.376 -7.44

50.4

74.63
37.2
56.2

47

97561.000*

11.000*
11.100*
20.000*
24.000*
-0.382*
-0.128*
2.900*
38.019
45.300

1.320
0.280

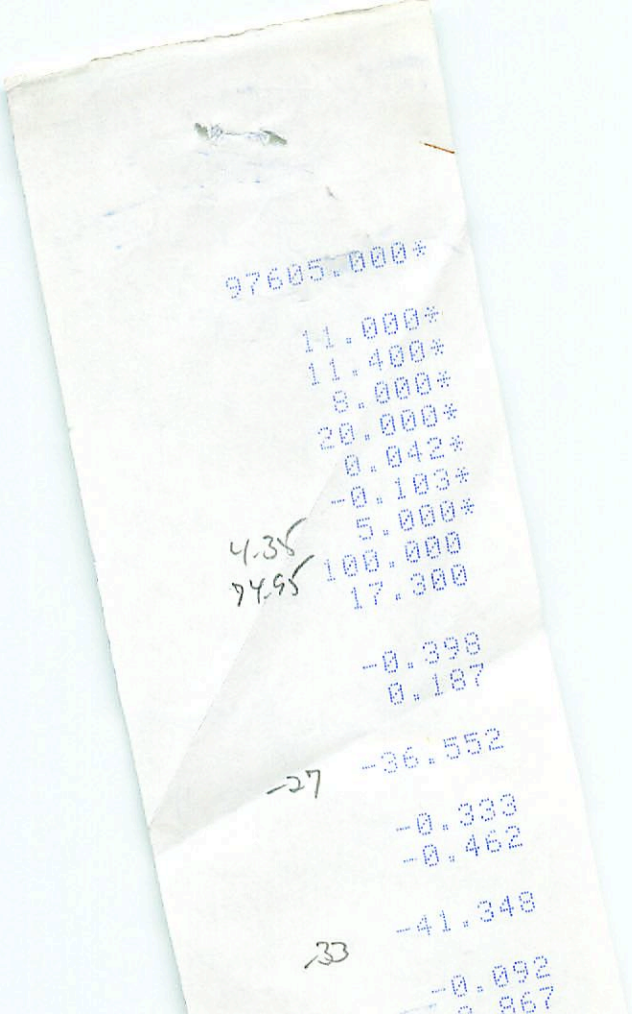
62.902

-1.153
-0.281

-56.591

-0.757
0.918

12.801


97605.000*
11.000*
11.400*
8.000*
20.000*
0.042*
-0.103*
5.000*
4.35
94.95
100.000
17.300
-0.398
0.187
-27
-36.552
-0.333
-0.462
-41.348
33
-0.092

-27.8013 .25 271

LTT41941S 11 179 -28 04

LDS 347

HDG8574

6.77 +1.12 +0.94 (2)

6.08 +0.415 (4)

Nov Vel

5.70

5.15

14.29 +1.34 +1.10 (2)

13.08 +0.74 (3)

12.70

11.70

-250 +005 DPM

-257 +005

-245 +006 GCT

98579.000*

11.000*
17.900*
-28.000*
-4.000*
-0.250*
0.006*
5.000*
~~100.000~~
~~0.000~~

1.045
-0.145

104.471

-0.407
-0.850

-40.692

-0.385
0.506

-38.477

Primary B star ?

97491 11 13.6 −3 12 B 3

−2°3312 new

V b-y m1 c1 β (3) 7.37-0.205-0.83 (2)

7.39 −0.073 +062 +032 2.621 +245 f

[m1] [C1] [u-b]

+049 +047 .145

+0015 +023 GC NGC 7380

+0013⁵ +023 FIK4

+020

+022 +027 +Lowr

$M_v = -2.6$

m−M = 10

11.200
-0.200
22.000
27.000
10.000
1000

ADS 7541 11.136 = 3 62 7.28 83 +24.5 6

≈ 20 3312

76

98 47 146

+0.0014 +0.021 N
+0.0016 +0.025 BG
+0015 +0.023
+022

-869 488 074	-0906 +0532	-0374 -28.4 +1.9	-26.5
346 714 -609	+0361 +0774	+1139 +86.6 -14.9	+71.7
354 502 784	+0369 +0547	+0916 +69.6 +193	+88.9

P(6)

+51°1664 11 20.6 23.4 +50 55 89 −80.2 ±3.4

10.09 +0.83 +0.40 42 R

S=.10

+67 −43 −108 .02 −454 +074 Y

+101 −51 −120 .015

−0492 +1264 al

−80.2 ±3.4

+51°1664 11 23.4 +50 39

10.09 +0.83 +0.40 K2 D

S=1.0

−0494±1 +125±1 Y

R −2

0492 126

٠٢٥٩-٥٤٣٧ ٢٣٨٦٤٢٦ - ٠٢٥٩-٥٤٣٧٦٤٢٦

٠٢٥٩-٥١٠٩٤٣٨-٠٥٩ ٨٩٥ ٢٣٧٥-٤٥٠٤٥ ٥١٦

٠٢٥٩-٥٤٣٧٦٤٢٦

٠٢٥٩-٥٤٣٧٦٤٢٦

٠٢٥٩-٥٤٣٧٦٤٢٦

٠٢٥٩-٥٤٣٧٦٤٢٦

٠٢٥٩-٥٤٣٧٦٤٢٦

٠٢٥٩-٥٤٣٧٦٤٢٦

٠٢٥٩-٥٤٣٧٦٤٢٦

٠٢٥٩-٥٤٣٧٦٤٢٦

100 g
-18.3758

11 34.2 -正 4/

G8/H2O(aq) +F2/3

G-3

-100g+100g Condom

-15 (3)

-00g 00g

1.12g 12g 101

-9

+9

-15

G122-39 11 365 +44 35 +13.5 (5)

.01227

8.46 429 234 245 (3)

546 431 216 236 (1)

8.46 430 230 242

C246 -004 +5.20

37

5.57

D274 +096 (Cardiff)

-239 256

236

D56

2.69

+12

R.A.	:	11.600
DEC.	:	44.600
R.A.	:	-336.000
DEC.	:	56.000
TANCE	:	2.890
)ULUS	:	38
VEL.	:	13.500
1 (U)	:	-0.875
2 (U)	:	0.327
3 (U)	:	0.357
dU	:	1079.033
U	:	45.655
1 (V)	:	0.396
2 (V)	:	0.907
3 (V)	:	0.140
dV	:	-208.650
V	:	-6.001
11 (W)	:	0.278
12 (W)	:	-0.264
13 (W)	:	0.923
dW	:	-385.464
W	:	-2.121

30 30

-32.4 / plate

LTT
4336 11 38.9 -24 23 753 +0.47 -0.18

101412

-0150 +035 stay
+038

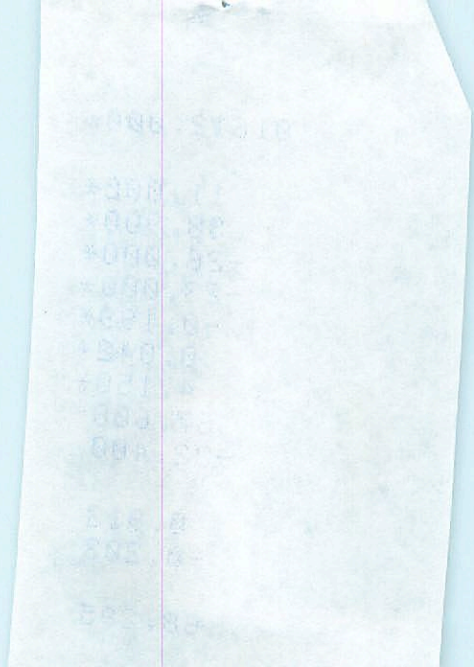
-0.211 +0016
-0.212 +016 Yale

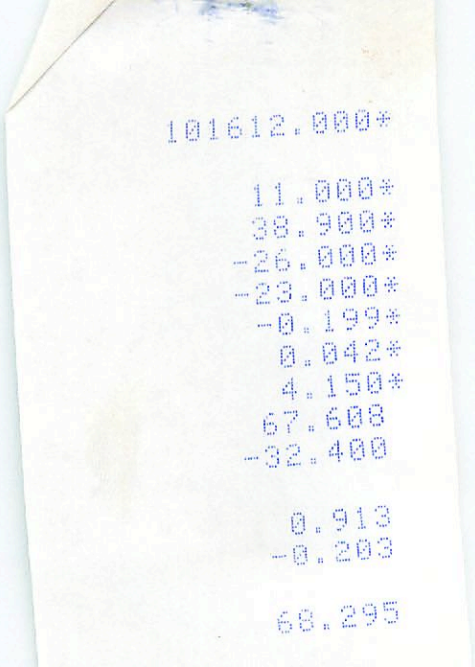
~~-001 +040~~ -32.4
-199 +042 4.15

50 mm 50 mm

-875	436	-207	-8750	+0332	-8418	-24	-17	+6.7
406	430	-806	+4060	+0327	+4387		+48	+26.1
243	790	553	+2630	+0600	~~+3230~~		0	-17.9

710
685
2.7

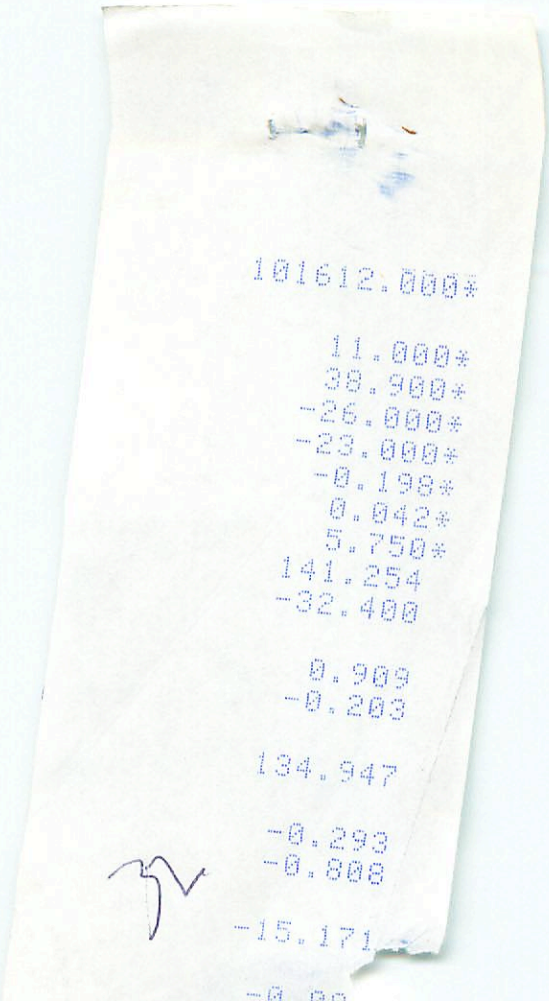



101612.000*
11.000*
38.900*
-26.000*
-23.000*
-0.199*
0.042*
4.150*
67.608
-32.400
0.913
-0.203
68.295

101612 11 38.9 -26 23 -824 (1)

-950 +035 slug
-0145 +038

-200 -824
-155 +042 5.7


101612.000*
11.000*
38.900*
-26.000*
-23.000*
-0.198*
0.042*
5.750*
141.254
-32.400
0.909
-0.203
134.947
-0.293
-0.808
-15.171

102149 11 42.8 -36 07 IV: III

7.86±1.13

7.43±0.405 (2)

7.04

6.5

7.5

+36.5 Wagman

+0032 -070 E+Y FNY

+038?

+040 -066 + current

+26:

102184	11	43.0	-87	21	2.87+44-10

-0166 -016+FC

-198 -016

-198 -012 +26°

4/6

0.460

11.000*
43.000*
-37.000*
-21.000*
-0.196*
-0.012*
4.600*
83.176
26.000

0.791
-0.295

58.156

-0.399
-0.869

-55.767

-0.284
0.398

-13.324

34

102200 11 43.1 -45 47 F2L

45.5595
45.7245

360 1.1 961 3.97

300 +403 1.461

D0

+0.1103 -113 ppm

8.74 8.72 326 090
8.72 2 2 960 -95 2 +167 (2)
8.74 333 083 362 (1) 170 161
8.74 333 079 297 (3) 2609
864 323 082 295 920
111

333 083 295
323 086 296

144.264

8.74

-101 +0.1103 -113 ppm

066 -113

95
-113

8.93
969
998

8.98

	11.700
R.A. :	-45.800
DEC. :	95.000
R.A. :	-113.000
DEC. :	3.820
NCE :	58
	000

+51°1696 G-78-53 II 44.0 +51 10 SD 2d60 +64-263 +61 dMd(2)

W7131

9.91 0.55 9.32 0.55

9.89 +0.55 -0.14 1Sm

M

57450

622

-.90 -.52 L

0.564

-849 -529 MLR

-97067 -54303

13.61 1.5%

$$\begin{vmatrix} 1 & 2 & 3 & 4 \\ 2 & 3 & 4 & 5 \\ 3 & 4 & 5 & 6 \\ 4 & 5 & 6 & 7 \end{vmatrix} = 0$$

$$\begin{vmatrix} 1 & 2 & 3 & 4 \\ 0 & -1 & -2 & -3 \\ 0 & -2 & -4 & -6 \\ 0 & -3 & -6 & -9 \end{vmatrix} = 0$$

$$\begin{vmatrix} 1 & 2 & 3 & 4 \\ 0 & -1 & -2 & -3 \\ 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \end{vmatrix} = 0$$

$$\begin{vmatrix} 1 & 2 & 3 & 4 \\ 0 & -1 & -2 & -3 \\ 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \end{vmatrix} = 0$$

$$\begin{vmatrix} 1 & 2 & 3 & 4 \\ 0 & -1 & -2 & -3 \\ 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \end{vmatrix} = 0$$