



AL

18.150
- 18.900
- 228.000
- 103.000
2.720
35.000
36
- 0.004
0.570
0.172
543.381
23.469
0.169
0.493
- 0.852
- 414.725
- 44.675
0.571
0.656
0.494
0.614
- 12.055

-006577.1 +09945.0
 -0071 +0693
 -31 34 605 -2.450.79(5)

15131

607+50

18127 15941 -3134 19.35 1895.0

15131

331
 458
 -5.44 -0061 4096
 -00671 40985

295
 96
 14

428

6.842
 11.285
 18.1742

14.03
 -2.05
 1927.65

-0857
 8373
 41.86
 46.9

219
 223

21.32
 21.79
 21.64
 20.62
 21.37

4065
 41.86
 46.9

18.097

18153
 303

19.01
 1956.08

11.0
 -8116
 -94
 +103
 2.2
 -24

18097
 -10
 18087

-054 +103

-21
 19.21

28

Handwritten mark resembling a stylized signature or symbol.

0.407
0.806
0.431
230.804
5,322

0.307
0.324
-0.895
35.161
3.116

-0.850
0.496
-0.116
586.173
16.423

11.000
-31.600
-99.000
103.000
2.200
-2.400
-0.850
0.496
-0.116
586.173
16.423

450
1855
95456 10 58.3 -21 34 80.5

HR429

GC15131

345

6.05 + 54 + 02 2395
339 175 425 (454) 2637

~~245 .164 .954 22.19 925.0~~
355

[m] 226 + 24

[G] 385 $\frac{95}{9}$

12.6

2.00 27 + 10.5 8145

~~200~~ 4330 + 619

-24

244

-00680 10960

121

-085.6

-0844103

-10671 + 0985
334 + 1279
100 + 102

417
197
Ce + 5.0
35

415

3A

1000
852

265
515

503
566
405
996

996
996

205 250

11 29.3 -20 30 G-1E

100219

HPC444D

G-15815 ✓

G-23+54 (+2)C

1208

G-24 33p

17p

41p

2,0642

G-0

321

(277)

(349)

(325)

+4.12

"

1.50 +11.0 -11.4 +5.5

-130

+11.0

+617-150-068

+035

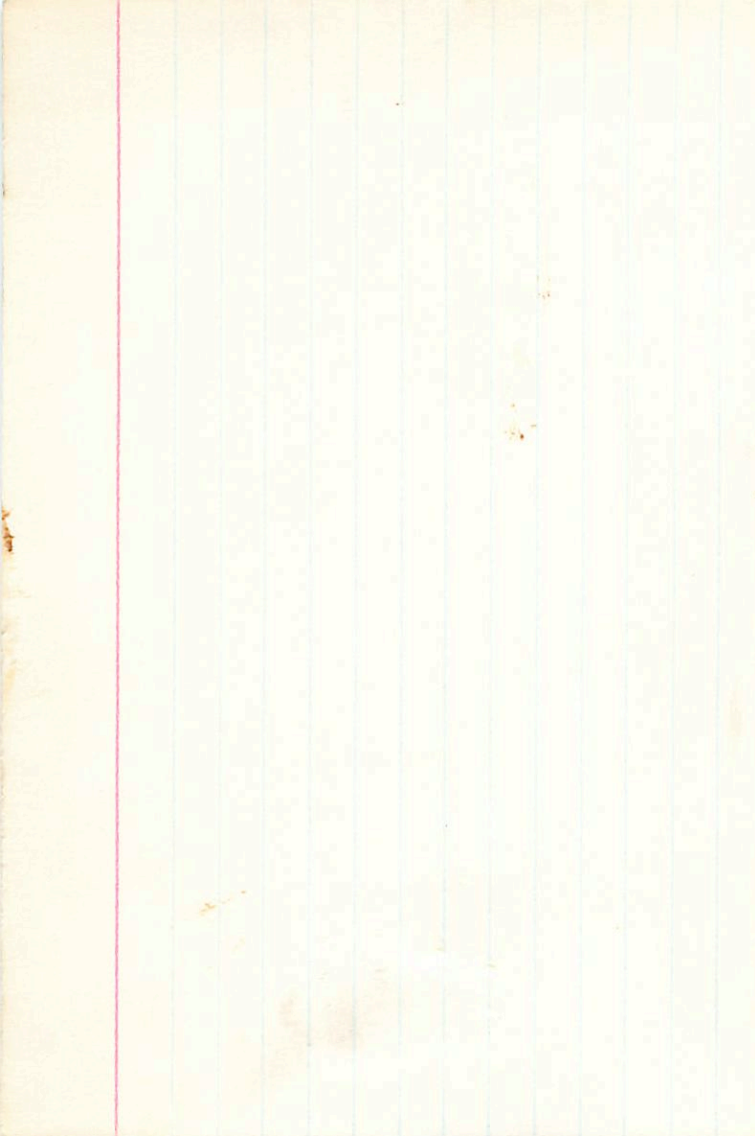
5841

-9817

1349

1796

1503 } 20623



100219 11 29.3 -20 30 612 11.0 65

F01182 -5.4 2795
190256 -5.2 2795
316

6.23 +0.54 (1.65) +10.3 F

-6088 ± 7.5 +029 ± 7.1
17.620 1.9 0104 +025 2.55 00.7 11.5
409
18.029
-1122 +026 -1.63
-0113 +0255 498

-130 + 0.35

131.2 + 0.31.9
Pidd
Dunge

17.299 +1.2 311
71.0 71.08
2.57
17.326 6601 + 2.65
9841 1776
+10.6
-9817
1903

+1.7
246
-6126 1256
-1.4
5.91

1610
-1004
-0.1
0170
3.94

-158 + 0.31

-1596

74

11/11/11

74

1

1

1

1000000000

1000000000

1000000000

1000000000

1000000000

1000000000

1

101206

+43.2135

2122238

1) 36.3

+42 36

1252

+145

credit

-0630 ±13.0 +211 ±13.0
-0611 +227

101581 11 38.6 -44 08 N55 ±0.5 +13.3 ±0.5 (14)

16041 -947 -0009 7.77 ±1.07 ±25 -0618 +223
+2-10 0.85 ±13.3 -6657

37.420 1902.0 -44 7 5.3.77 1901.6
3.024 -10.21 -164 ±227

40.5

40,444

-605 225
6490

25.025

1756
4.9

13.646

6728
64

38.6 ± 0.73

9482 -9102
1886

37.970

0104 1166 -0869
5.6

2.474

0714 37.20
6.94

8499
42.5
40.9

38.61 1929.57

-0610 ±227
-0607 ±227

57.31

57.42

57.63

54857
0719 0.72 +0.7

940
5.4.70
+9.2.8

1955.42

-653 ±236
6882
-0690
54857
0719 0.72 +0.7



25



1870
 1871
 1872
 1873
 1874
 1875
 1876
 1877
 1878
 1879
 1880
 1881
 1882
 1883
 1884
 1885
 1886
 1887
 1888
 1889
 1890
 1891
 1892
 1893
 1894
 1895
 1896
 1897
 1898
 1899
 1900

1898
 1899
 1900

11.682
- 44.100
- 947.000
210.000
0.850
13.300

14.74 14.05

- 0.875
0.364
2226 - 0.319
3183.202
42.843

0.396
0.161
- 0.904
- 1117.507
- 28.551

75

0.278
0.917
0.285
16.770
4.042

| | | | |
|--------|----|--------|----|
| 898.11 | 11 | R.A. | 10 |
| 898.12 | 12 | DEC. | 10 |
| 898.13 | 13 | R.A. | 10 |
| 898.14 | 14 | DEC. | 10 |
| 898.15 | 15 | STANIS | 10 |
| 898.16 | 16 | DOULUS | 10 |
| 898.17 | 17 | WEL. | 10 |
| 898.18 | 18 | U | 10 |
| 898.19 | 19 | U | 10 |
| 898.20 | 20 | U | 10 |
| 898.21 | 21 | U | 10 |
| 898.22 | 22 | U | 10 |
| 898.23 | 23 | U | 10 |
| 898.24 | 24 | U | 10 |
| 898.25 | 25 | U | 10 |
| 898.26 | 26 | U | 10 |
| 898.27 | 27 | U | 10 |
| 898.28 | 28 | U | 10 |
| 898.29 | 29 | U | 10 |
| 898.30 | 30 | U | 10 |
| 898.31 | 31 | U | 10 |
| 898.32 | 32 | U | 10 |
| 898.33 | 33 | U | 10 |
| 898.34 | 34 | U | 10 |
| 898.35 | 35 | U | 10 |
| 898.36 | 36 | U | 10 |
| 898.37 | 37 | U | 10 |
| 898.38 | 38 | U | 10 |
| 898.39 | 39 | U | 10 |
| 898.40 | 40 | U | 10 |
| 898.41 | 41 | U | 10 |
| 898.42 | 42 | U | 10 |
| 898.43 | 43 | U | 10 |
| 898.44 | 44 | U | 10 |
| 898.45 | 45 | U | 10 |
| 898.46 | 46 | U | 10 |
| 898.47 | 47 | U | 10 |
| 898.48 | 48 | U | 10 |
| 898.49 | 49 | U | 10 |
| 898.50 | 50 | U | 10 |

Handwritten mark resembling a stylized 'X' or signature.

R.A. : 11.650
DEC. : -44.150
1. R.A. : -914.000
1. DEC. : 246.000
DISTANCE : 0.620
MODULUS : 13
D. VEL. : 13.300

q1 (U) : -0.875
q2 (U) : 0.356
q3 (U) : -0.327
dU : 3135.928
U : 37.368

q1 (V) : 0.403
q2 (V) : 0.164
q3 (V) : -0.900
dV : %-1062.896
V : -26.115

q1 (W) : 0.267
q2 (W) : 0.920
q3 (W) : 0.287
dW : 242.820
W : 7.048

11/985 746 707 598 585

young

101581 11 38.6 - 42 08 1255

11(+)
+6.214
694
673

7275 692 580 175 (4)
798 188 5.78 +10.5 +0.86 (2)
11.15

0707(12) 732 +0.41 (4)

689 239 +3

11.05
44.15

085616)
075

591 512 357 +115

-947
+210

1753

1112

2245

0.71
+133

9.73 602 880 175 (4)

(1609 M6 Carthy)

-655 246

-914
246
0.62
+133

He

-0012±3.6
-0013
-295±3.6
-296

103026 11 49.2 -30 33 6.0 dFS +33.46

16236 5.84 +0.54 +1.05 24" FSD +33.2 286

7167 5.84 +0.55 +0.05 485 .11.8

9.551 1909.8 -30 33 49.27 1409.2
$$\begin{array}{r} 048 \\ 1599 \end{array}$$
$$\begin{array}{r} 12.04 \\ \hline 57.23 \end{array}$$

41-48

9.579
$$\begin{array}{r} -4 \\ \hline 575 \end{array}$$

6.51 1940.86
-3
6.54 1783

38.6

48.4
39.2

96
$$\begin{array}{r} 548 \\ \hline -05 \end{array}$$
 1783
68.92
11.69

-00111-293 -11.69

9.533

0143
-013 289

11.05 1955.96
-24
11.29

302 162 426 2616

27



11,800
- 30,550
- 15,000
- 289,000
2,150
27
33,400

- 8,875
8,406
- 8,264
- 502,077
- 22,333

8,424
8,379
- 8,220
- 547,032
- 42,156

8,234
8,832
8,584
- 1153,684
- 14,225

398 327

104304 11 58.2 -10 10 5.6 dg7 +0.48

16421 459

5.54 +0.76 (92)

7221 +0073²⁹ -490M30 +0.2 f
+0084+23 -481+2.2-60-030 +0.2 f
22uf

389 321

987 00785 -485 100-7

97 A (20)
85 Y (12)
98 M (16)
50 V (17)

+0078 -484

+0077 -4755

+00700 -4743

+1151 +0.4

+1038

11.95

-10.15

108

-4776

0.45

0.12

~~+1117 -470~~

~~106 -479~~

Carbump

+0076 473
(117-473)

10.364 ODY
 + 10008 #23
 + 10005
 + 20110
 4033 OD-1
 483 #2.2
 475
 416

$$\frac{4170}{9.957}$$

$$\frac{+20110}{1623}$$

(6487)

4755

$$\frac{10417}{-8} = 412$$

$$\frac{4752}{1} = 4753$$

(207)

$$\frac{10.766}{210} = 478$$

$$\frac{4964}{12} = 497$$

8



- 110 . 150
 - 100 . 990
 - 470 . 990
 0 . 450
 0 . 120
 0 . 200

 0 . 874
 0 . 466
 0 . 140
 - 1400 . 641
 - 10 . 465

 0 . 444
 0 . 645
 0 . 620
 - 1240 . 954
 - 15 . 391

 0 . 200
 0 . 685
 0 . 770
 - 1270 . 995
 - 15 . 549

Blum 12 31.8 +41 38 +66 612

109358
4785

408 616

2628 + 2222

1725
164 Comm
66

70417 + 253.2

250
80316 + 4.96
23
5119

442

793

292

385182
121
121

376

010

4.14

79

A. : 12.500
C. : 41.600
A. : -942.000
C. : 293.000
CE : 0.000
US : 10
L. : 6.800

(U) : -0.857
(U) : 0.481
(U) : 0.186
dU : 3528.466
U : 36.551

(V) : 0.511
(V) : 0.842
(V) : 0.173
dV : -536.009
V : -4.184

(W) : 0.074
(W) : -0.243
(W) : 0.967
dW : -583.372
W : 0.743



A058804

-0302 ± 1.4
-0306

+129 ± 1.4
+131

498

dlam 13 02.6 +17 48 FSE -12.70

b m = 0

+04965/4
114378 33.337 1895.4 +17 47 35.99 1892.4 406982
17533 1.643
7832 34.980

-0302
-0302

FSE -431 +129 0.06
FSE -431 +129 0.06

-0303 +12.92
-03025 +1322

-7.43
28.56

32.712
726

2.08

-452
+136
1.3 -10.7

113.86
38.0

45.6

(Pobol)

33.740

2.0291
6.64

1.296

33.620
+10
630 - 1.296

42.4

34.08 1935.2 -452
-2
3400 1360

35.13 1940.36
-16
3497

34.57 1938.3
34.53 + 5.97

44A

66.65

32.613
+1.92

38.160
-1.14
35.11

33.687

32.613
+1.92

38.160
-1.14
35.11

33.687

-291 -957 306 552 -431+129 -127039+5 583

11433819 13 2.6 417 48 F52

HR496819 DM=0

6617833 P=26yr

4,32 +485 -06

42 (2) 6m

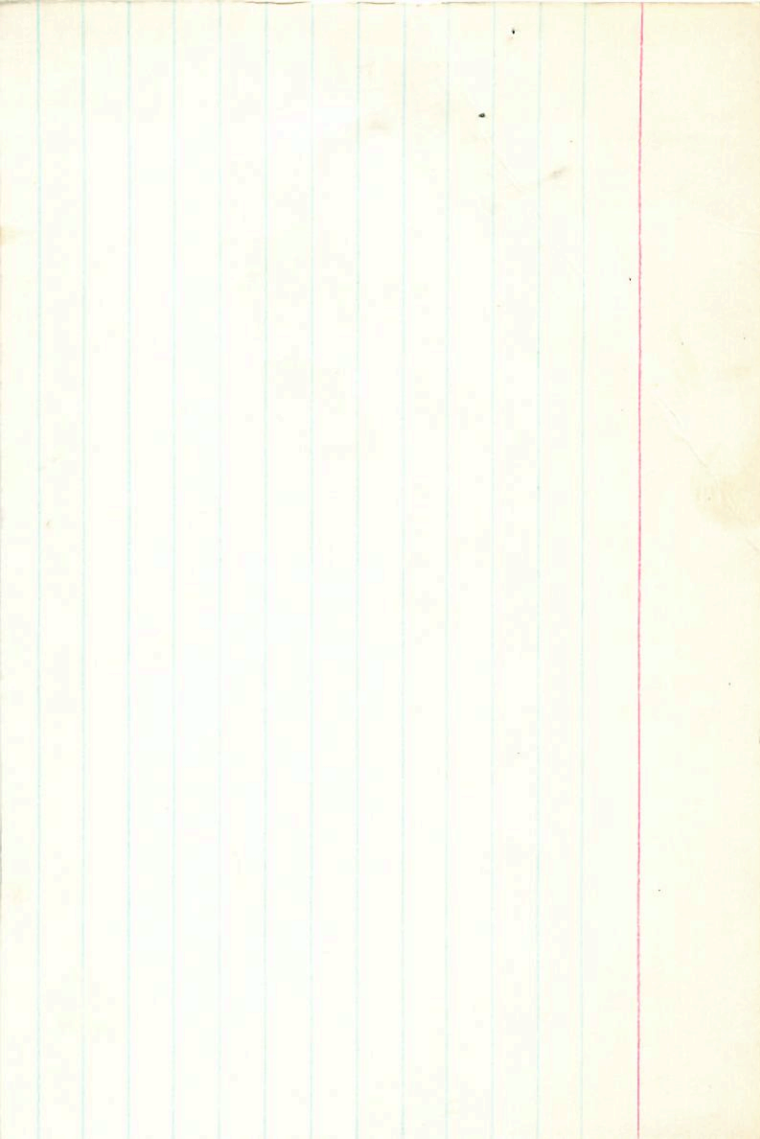
.304 .152 .709 @SR 2.6403
30 127 471
299 134

[m] 207 +22

[c] 327 -20 1,20 +38.0 -9.6 -12.9

+2033 -649 +256

cut



ADSTOY

13 07.6 +17 48

-17.7a

.0575

5.07
1.24

-431 +129 it

~~480~~ +136

9905 - 9862

4415 ✓

-1378

1647

-0633 ✓

-5.8 P.V.

→

0470

-6.150

1.64

Table 1

138

60 709

782

~206

+350

+353

43
37
297

2.28
+1

3.31

80

111

394 + 2000 226.58

13 08.9 + 09 53 11-5 123 e

H0114606

GC17860 $8.73 + 0.62 + 0.04$ G3E

43010
 $+1002519$
 $W7842$

8.73
 8.72
 8.73

120
 167
 151

291
 2563
 2994

2994

$-517 + 26000$
 $-527.8 + 268.87$
 -513
 $-519 + 264$

$-0355 + 268000$
 $-5245 + 270500 \rightarrow$

$49A(20)$
 $54W18$

$12.5 - 10$
 52114
 50

420
 135

$522 + 275$

41.6
 41.6

-296 -955 171 585 -519 +264 +23 045 +4 1.220

-153 013 496 -043 -550 2.400 -22 -7 027

-3 178 2 22

-20 -37 36

36 -13 22

-4 1.044 29

-21 -48 47

40 -17 29

$$\begin{array}{r} -41 + 98 - 449 \\ \boxed{+ 97 - 21 + 45} \end{array}$$

-47 + 107 + 62 021

$$\boxed{+ 119 - 22 + 52}$$

114606

13 08.9 10.9 53

d.f. 9 +23.2

GC17860

+18.6 w(3)

w 7842

8.73 +0.62 +0.04 G32R

+34.5 Md(1)

Y3010

8.75 +0.61 +0.05 J+K

+23.2 G

+102529

8.74 +0.605 $\frac{7045}{8} = .10$

12.5 M0 82"

-52758 +26526 X

-517 +260 GC

+126 -24 +48 .020

+48 -12 +29 .050

.494 (20)

.544 (8)

5276

-0350 ± 6.4

+260 ± 5.5

-0360

+277

-296-955 172 585 -517 7260 +18.6045 +3 1.213 ✓

-153 013 494-0x3 -521 2.402 +183-17-5

-35 +79446 0285

52,900 1900.1 +453 15.00 1897.1

+87-18+39

1.746

13.75

54.646

1.25

02

53.213

32.5

13.06 19402

-43

0.9 0. 0

53.476

2.5

452

2.31 -1.170

8.4 1925.0

32.6

38.164

54.41

22.20

15.792

8.42

11.10

53 794

9.3

+9.85

721

9.27

35.5

18

18

114606.000*

13.000*

8.900*

9.000*

53.000*

-0.522*

0.275*

1.350*

18.621

20.000

2.707

-0.235

45.706

-0.394

-0.204

-11.420

0.584

0.950

29.873

81

14R 4550

119630

13 09.5 -59 33

c160

+10000 ± 8.7 -114 ± 6.5

47123 33

6.74 984

+116 ✓

+00222 -113

02420
equivalent

+00
+020-108

13.15
-59.55

+89

-101

2.40

+16

82

13 09.5

9 km

114710 2nd 259

(4405)

-06045 +1982

84

80

3.93

3.5

9

4

-799.5 +883.2

-906

~~+1079~~

+113

0.59

+15.1

124

Handwritten notes on a white paper fragment, including the word "PROG" and some numbers.

427652



73

88

R.A. : 13.120
 DEC. : 28.120
 R.A. : -988.888
 DEC. : 883.888
 STANCE : 8.288
 MODULUS : 13
 VEL. : 2.188

P1 (U) :
 P2 (U) : -0.814
 P3 (U) : 0.278
 Q1 : -0.028
 Q2 : 2802.822
 U : 21.912

P1 (U) :
 P2 (U) :
 P3 (U) : 0.278
 Q1 : 0.814
 Q2 : 0.028
 U : 1581.253
 18.432

P1 (W)
 P2 (W)

83

| | | |
|-------------|---|----------|
| R.A. | : | 13.150 |
| DEC. | : | 28.150 |
| 1. R.A. | : | -906.000 |
| 1. DEC. | : | 883.000 |
| 1. DISTANCE | : | 0.590 |
| 1. MODULUS | : | 13 |
| 1. VEL. | : | 5.100 |
| q1 (U) | : | -0.814 |
| q2 (U) | : | 0.579 |
| q3 (U) | : | -0.056 |
| dU | : | 5502.625 |
| U | : | 71.917 |
| q1 (V) | : | 0.576 |
| q2 (V) | : | 0.816 |
| q3 (V) | : | 0.054 |
| dV | : | 1231.523 |
| V | : | 16.436 |
| q1 (W) | : | |
| q2 (W) | : | |

115393

13

143

+09

41

99

(5011)

409 609

-274 600

-264 470

-25-900

-2100

Longway 6814 400

328

[-336 1189]

(438)

340

691

250

900



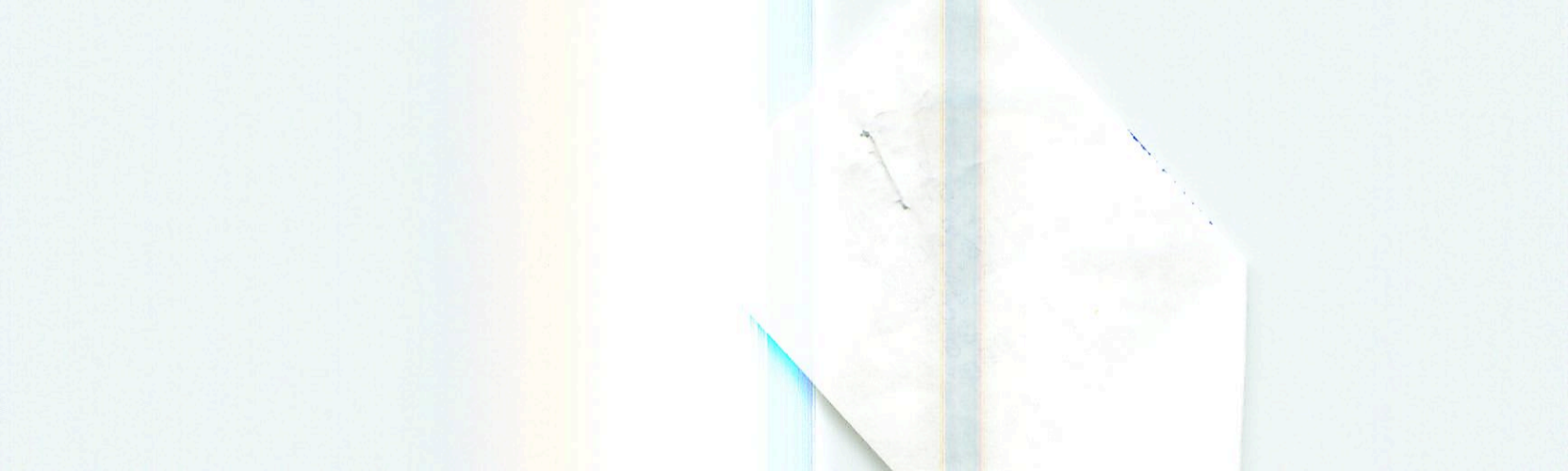
84

R.A. : 13.250
DEC. : 9.700
FM. R.A. : -340.000
PM. DEC. : 189.000
DISTANCE : 2.828
MODULUS : 17
RAD. VEL. : -20.000

D1 (U) : -0.000
D2 (U) : 0.000
D3 (U) : -0.000

R.A. : 13.250
DEC. : 9.700
PM. R.A. : -340.000
PM. DEC. : 189.000
DISTANCE : 0.820
MODULUS : 15
RAD. VEL. : -26.600

q1 (U) : -0.805
q2 (U) : 0.535
q3 (U) : -0.258



137.150
-59.550
-100.000
2.400
16.000
-0.814
-0.032
-50.500
-110.000

13 09.8 + 28 08 466a
+ 51 Ground

114710 208 259

- 06045 + 982 FRS

(490)

84
130

[- 799.5 + 883.2]

- 42765

3.93
3.5
0.4

- 906
~~- 1077~~

+ TB

0.59

+ 8.1

incl

14 1 07 0
08 07 09 19
08 07 11 07 17

23