223235 23 45.3 +03 54 dG2 -16.0 g(3)

GC33027 368 84 386 7.70 +0.65 +0.15 G2V R

W 14899 578 272 62

272 62 13 S15 S = .04

-22.0 28F

-15.6 C

-17.9

+45 -36 -2 .029

+65 -45 -12 .020

+0236-030 Gulberg

359-030

+335 -036 GC

+357 -035 W

+345 -037

360

-30

3.5

-174

0225 -033

0227 -032

345 -036

w(+4.0)

237

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343

-86

4

-17.9

9482 9486 360

-0602 -0382 W50

-0.45

+2 9505 373

-064 998 068 998 +345 -037 -16.0 -003 +175
022 0 344 -003 118 1.630 -16.0 -16 +1
+0224±5.7 -036±4.5 -8 +106 -12 0155
+0226 -030
+86 -60 -17

17.679 1904.5
-1.019
16.660
17.406
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417
0.70
16.668
17.369
377
-107
270

30.3

687
17.344
+684

+3 53 52.10 19022
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53.72

52.67 1937.20
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52.80
32.9 1323
19.50
52.80
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52.87
-19
52.68

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32.6

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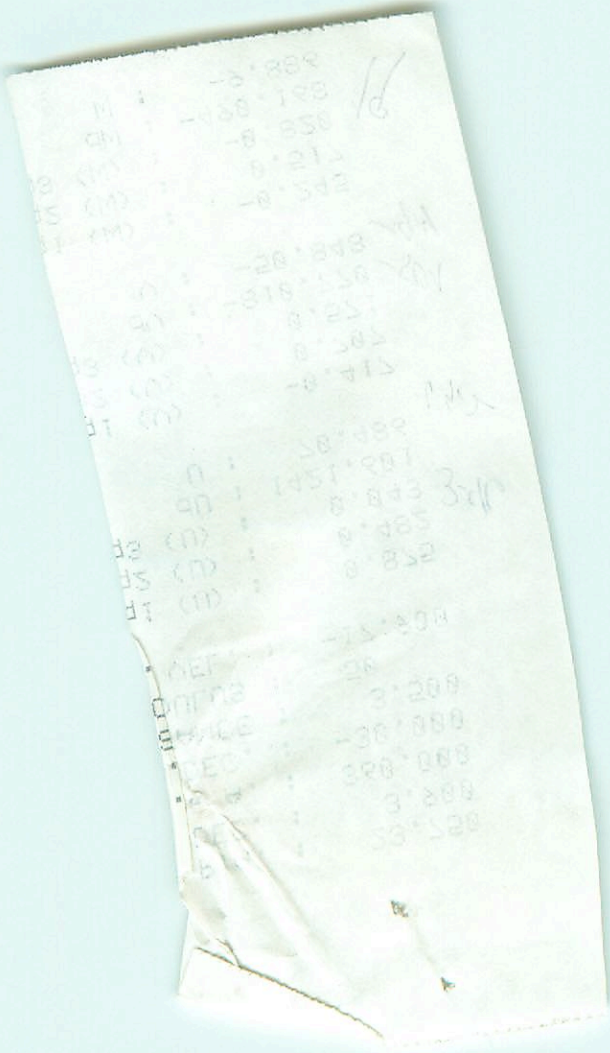
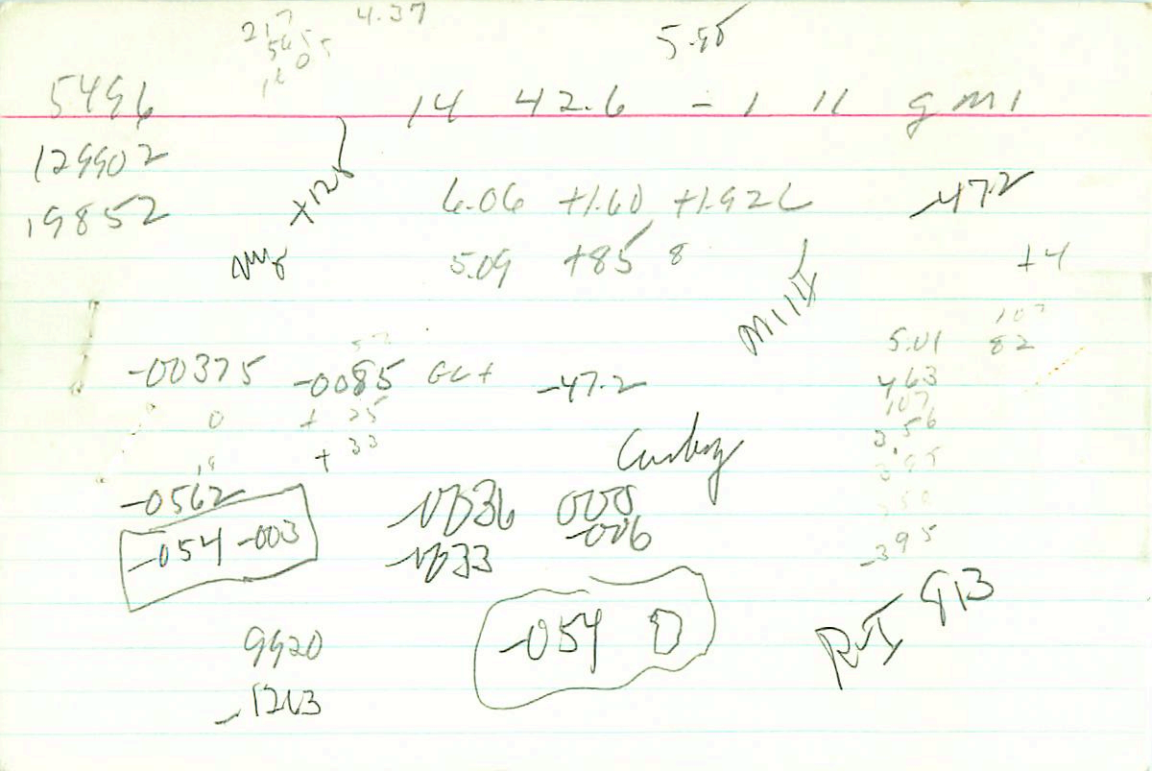
+5.02
52.74
-.98



R.A.	:	23.750
DEC.	:	3.900
R.A.	:	360.000
DEC.	:	-30.000
TANCE	:	3.500
DULUS	:	50
VEL.	:	-17.900
1 (U)	:	0.875
2 (U)	:	0.482
3 (U)	:	0.043
dU	:	1421.601
U	:	70.486
1 (V)	:	-0.417
2 (V)	:	0.707
3 (V)	:	0.571
dV	:	-810.770
V	:	-50.848
1 (W)	:	-0.245
2 (W)	:	0.517
3 (W)	:	-0.820
dW	:	-490.168
W	:	-9.886

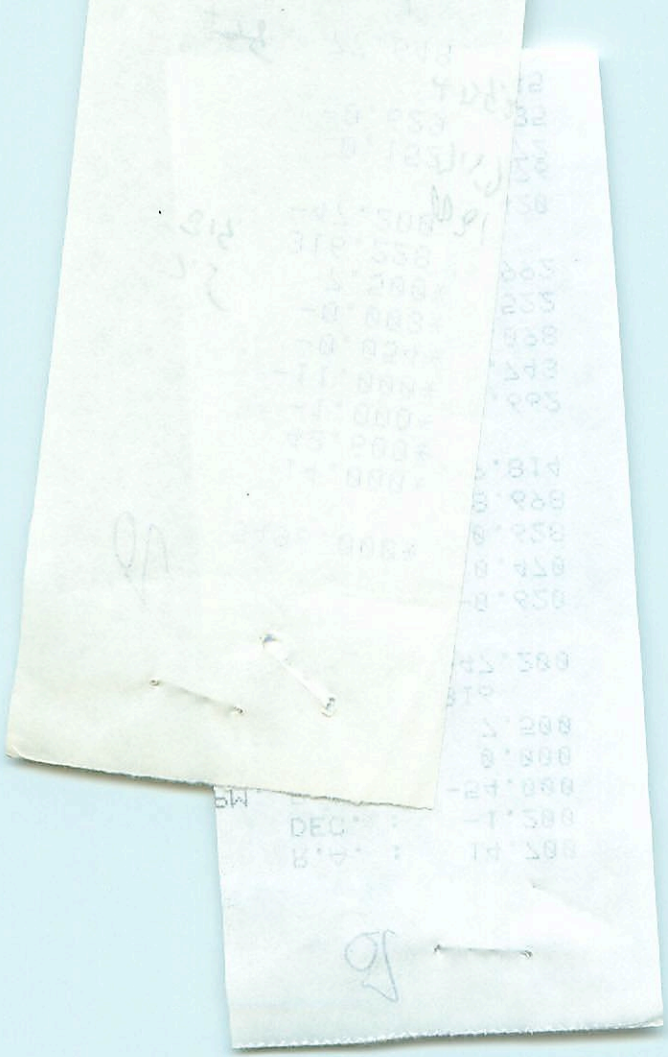

5496
14 42.6 = 1 11 gm1
12990 2
19852
+12
6.06 +1.60 +1.92
5.09 +85
-47.2
+4
-0054 -003
-0562
9920
-1203
-054 D

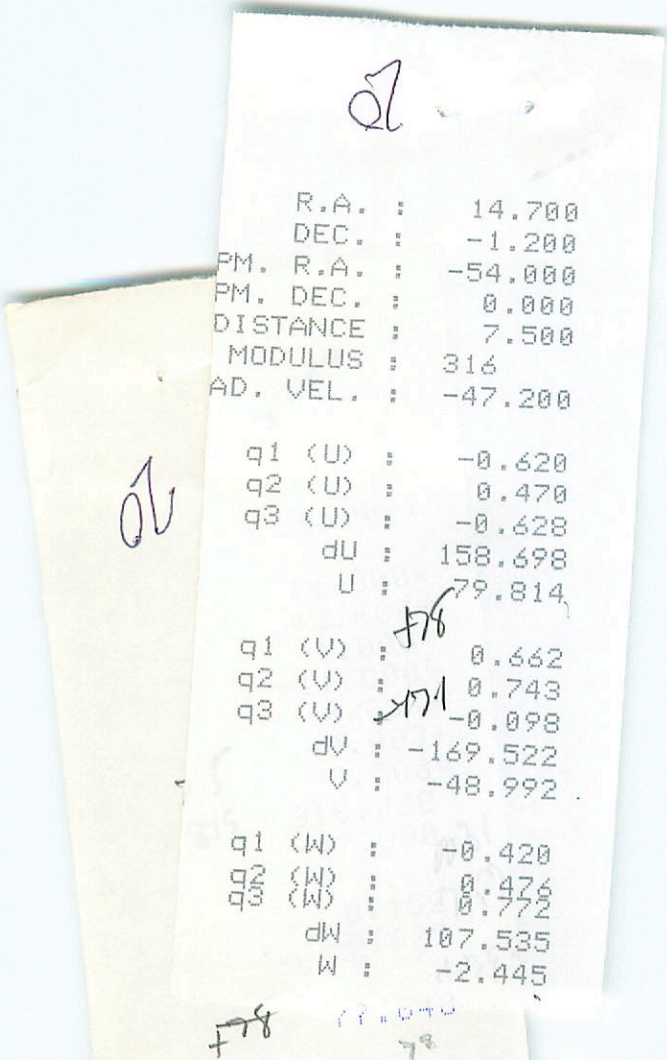
0.771

33

-4.368

83





R.A. : 14.700
DEC. : -1.200
PM. R.A. : -54.000
PM. DEC. : 0.000
DISTANCE : 7.500
MODULUS : 316
AD. VEL. : -47.200

q1 (U) : -0.620
q2 (U) : 0.470
q3 (U) : -0.628
dU : 158.698
U : 79.814

q1 (V) : 0.662
q2 (V) : 0.743
q3 (V) : -0.098
dV : -169.522
V : -48.992

q1 (W) : -0.420
q2 (W) : 0.476
q3 (W) : 0.772
dW : 107.535
W : -2.445

-0037 ± 4.0 -010 ± 4.9
-0038 -007

129902 14 42.6 -01 12 6.2 g m1 -47.2 δ

19852
8565

-0046

37.130 1698.8 -1 12 27.03 1899.5

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19.922
17.235
37.157
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.180

183
-136
36.1

37.158
24
182

-026 +.50
26.53

5.66 R33.47
22.00
27.66
-1.93
26.73
+.13
26.60

26.79
-19
26.98

26.79
-.26

193632
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34.9
35.4

132142
GC20090
W8662
+3378
+5-40 1716

14 53.8 +53 52 dRD -14.96W(3)
2.79 +0.79 [illegible] W(+5.4)
7.73 +0.79 +0.33 KIE R
S=.08
-15.5 Rain

Col Lyg

-975 +468 GC

+113 -59 +26 .0395
+100 -52 +21 .045

-1088 +478
-1041 +478

-1015 +472 GC+
-974?

-971 +475
-14.9
-1.5

-964 +478

41M(10)
464(5).
441±8

569.1

-1636
+478
1.8 14.9

$$+19.73$$

$$27.67$$

$$-26.82$$

$$0.85$$

$$38.1$$

$$41.4$$

$$1947.24$$

$$-1922.50$$

$$24.74$$

$$-20.32$$

$$4.42$$

$$19.58$$

$$-19.58$$

$$0.00$$

$$2.42$$

$$1922.50$$

$$-1922.50$$

$$0.00$$

$$4.84$$

$$-2.42$$

$$2.42$$

$$1922.50$$

$$-1922.50$$

$$0.00$$

$$40.2$$

$$-1.68$$

$$1887.68$$

$$+1.68$$

$$1889.36$$

$$-1889.36$$

$$0.00$$

$$814.4$$

$$-814.4$$

$$0.00$$

$$676.79$$

$$-676.79$$

$$0.00$$

$$1.68$$

$$-1.68$$

$$0.00$$

$$1887.68$$

$$-1887.68$$

$$0.00$$

$$880$$

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$$-1.68$$

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$$-1889.36$$

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$$-814.4$$

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$$-1.68$$

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$$1887.68$$

$$-1887.68$$

$$0.00$$

132142 14 53.8 +53 52 dKO -14.9 W(3) +4.90

BG20090 7.73 +0.79 +0.33 R1 V

+64°1716 S=05

+3378 -975 +468 CC

W8662 -1.097 +469 Y

-972 MSB

41 M(10) -1.000

141 h(5)

655 +0.10 15 Sco

657

575

-707 -707 807 590 -1.000 +468 -14.9 377 -12 1.315

-707 266 707 -264 -2.095 4.410 +6 +6

045

-4 95 8

-20 -48 13

735 -18 8

-40 +108 +17

+99 -55 +25

055

-32 +90 +12

+82 -47 +19

-3 79 4

-16 -40 9

+24 -15 6

```
      R.A. :    14.900
      DEC. :    53.900
M.  R.A. : %-1636.000
M.  DEC. :   478.000
ISTANCE  :     1.500
MODULUS  :    20
D.  VEL. :   -14.900

 q1 (U)  :    -0.587
 q2 (U)  :     0.810
 q3 (U)  :     0.008
      dU : 4516.123
       U :    89.988

 q1 (V)  :     0.666
 q2 (V)  :     0.477
 q3 (V)  :     0.574
      dV : %-1961.413
       V :   -47.683

 q1 (W)  :    -0.461
 q2 (W)  :    -0.342
 q3 (W)  :     0.819
      dW : 1329.194
```

-0157 ±7.5 +060 ±7.3
-0166 +070

136923 15 20.5 +19 06 7.1 140 -10.78

20688

8902 31.644 1404.8 +19 5 42.03 1405.2

+710 -2.69

32,354 -240 +93 AG N3 39,34 -0165 +065

31.859 -228 +65 Gc → -0160

15 -234 +080 41.53 1935.0

.874 -9

1666 41.44 -227 5

31.775 833 31.4

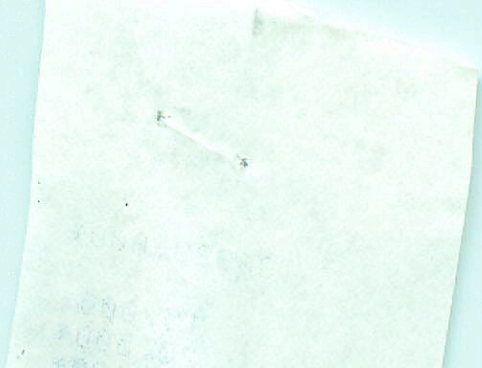
17 41.66 1939.43

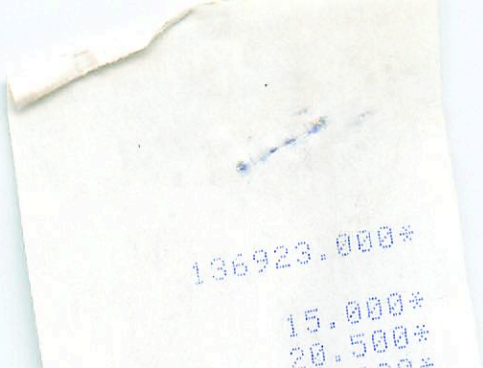
,792 -521 -10.7 +4 114 4.43

41.70 37.2

-231 +088 41.57 32.0

40 +2.23




136923.000*
15.000*
20.500*

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5741 15 24.3 +34 31 IN4 III

137704
20761

5.46 +1.40 +1.64
4.68 +0.565 Jacbm

-0.8
996 ; P

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-0091 +050 GL+
+ 4.7
+27

-1025

-109 +055
054

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-0091 +060 (A)
-0093 +059 comply

-115 +059

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+59
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Loonie
Quarter

R.A. :	15.400
DEC. :	34.500
. R.A. :	-140.000
. DEC. :	59.000
STANCE :	5.800
IODULUS :	145
). VEL. :	-48.700

q1 (U) :	-0.497
q2 (U) :	0.807
q3 (U) :	-0.320
dU :	497.465
U :	87.482

q1 (V) :	0.666
q2 (V) :	0.591
q3 (V) :	0.455
dV :	-199.120
V :	-50.922

q1 (W) :	-0.556
q2 (W) :	-0.013
q3 (W) :	0.831
dW :	300.295
W :	2.922

23

137704
GC20764
W8931

15 243 +34 31 jnk −47.8δ

5.46 +1.40 +1.64 N4III R W(±0.1) −47.8V(4) −48.2W(3) −48.0 [illegible]

HR5741
+34°2645

+565 25cb

−108 +048

+77 −51 +2 007
+72 −47 0 .008
+74 −49 +1 .0075

−0091 +050
−1125 +055
−109 +058 −47.8
5.4

$$-0.87 + 3.3 \quad 40.48 + 2.5$$

$$-0.03 \quad +3.47 \quad 80.32.23 \quad 1902.3$$

$$-0.01 \quad +0.50 \quad 29.99$$

$$47.0 \quad 1928.0$$

$$-12.45$$

$$34.55$$

$$+11 \quad 30.3$$

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$$+1.58$$

$$33.15$$

$$22.47 \quad 1933.20$$

$$31.58$$

$$-1.36$$

$$32.82 \quad 1956.17$$

$$-0.30$$

$$+2.52$$

$$19.818 \quad 1907.2$$

$$372$$

$$20.240$$

$$2104$$

$$58.55$$

$$\cancel{3}60.95$$

$$\cancel{3}47.9$$

$$\cancel{3}47.9$$

$$270$$

$$\cancel{3}47.9$$

$$\cancel{3}47.9$$

$$1955.2$$

$$19.70$$

$$+0.81$$

139367
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73503
+570,590

15 27.7 +57 37 dF5 -31.5 fW(3)

6.87+0.49 +0.01 FG IV-V R

δ = .01

-0320 +158

-0337 +161

-2705

-261 +166

-266 +152 GC

+40 -41 -7 .030
+48 -44 -3 .025
+61 -50 +2 .020

-487
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+576
-498
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-31.5

2437 A(20)

+1.52 = 4.4
+1.44
-0331 +5.2
-0330

42.5-92 1198.2 +57 24 45.24 1845.6
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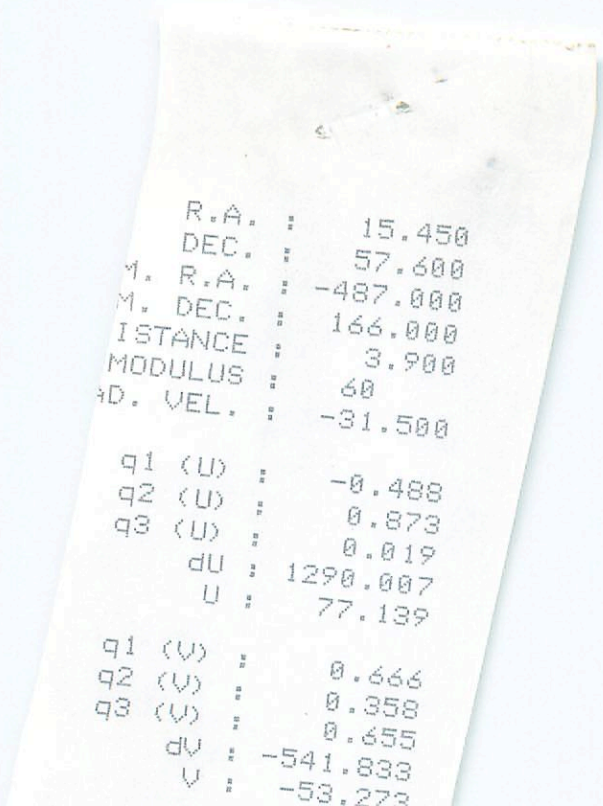
0.22
0.17
0.12
0.07
0.02



```
      R.A. :    15.450
     DEC. :    57.600
M. R.A. : -487.000
M. DEC. :   166.000
ISTANCE :     3.900
MODULUS :    60
RD. VEL. :   -31.500

  q1 (U) :    -0.488
  q2 (U) :     0.873
  q3 (U) :     0.019
      dU : 1290.007
       U :    77.139

  q1 (V) :     0.666
  q2 (V) :     0.358
  q3 (V) :     0.655
      dV : -541.833
       V :   -53.273
```

150275

GC22301 -31V?

WG537 -26.8

Y3786

+77 0627

16 32.5 +77 33

6.35 +0.44 2.0%

6.34 +1.00 +0.71 IR IRR

Ag 180 -32.0 6 w(3)

w(+2.2)

-0319 +276

103 +276

-0310 +2745 WG50

+2738

-096 +276

-101 +271 &c

-104 +275 N30

-102 +275

+56 -44 -23 .020

+51 -42 -22 .022

16.55

+77.55

-445

276

4.5

-32.0

3.97

19A(28)

5G(10)

16±5

+18 90.5

1.184 850 082

-478

+271

43,330

-0319 +276

103 +276

-928 -371 977 215 -102 +225 -32.0 269 -31 280
-095 250 038 -100 024 1365 -6.9 +3 +6 / +4 +71 -17 0205

+54 -43 -23

150275 16 32.8 +77 33 -32.0 fw(3)

-032 +279 74 N30 6.34 +1.00 +0.71 K1 III

-0316 ± 1.4 +279 ± 16 GC 74 N30

OCwk(+2.0)

2pKO W(+2.2)

-101 ± 1 +279 ± 2

-103 ± 2 +279 ± 2

-101 +276

+87 -53 -25 0135

+75 +8 -24 0145

-0498.2 +278.2

-465.5

+278.2

4.15

-26.8

19 +128

11 C (10)

11.0 ✓

)

0127

4.48

+94.7

69.0

-11.1

-22.6

-54.4

-31.1

26

155826 17 12.2 −38 32 dF9 −51 (and 13)

GC23270 −56.6 (4) C5

W9940 @ 1000 356 431 5.95 +0.54 −cage

Y3404 −3401646 HR6398

+58 −28 −8 .06

+60 −36 −9 .05

+62 −49 −12 .04

double ϕ Δm=0 0.1"

Slug

+58 (1.68) C3 II

+61 +035

−180 −410

−015Y −410

−0153 −407

−187 −414 2 GC

−147±9 −402±9 Cage

−190 −410

−181 −406 2.15

−2810 −9597

109½ .050

182 188 366 10 Clear

5.95 364 367 190 432 2 Clear

617 445

51 Y(12) 18C(8) 37±7

630 −230 2.15 −410 2.4 −566

155826 17 12.2 -38 32 G3 IV

HR4358

GC23270 5.96 +58 +0.07 2 1.28

-56.06

[m_1] 256 +11 .367 .190 .422 2.622 ② 1,5,8

[C] 349 68 / +79 1.50 +62.0 -28.9 -8.8 -176 -55.0

+408 -200.2 -450 -405

+32

3.48 +74 -87.5 -22

229
783

687

1832

16203

1793

1

60.68 115.2 0.104 44

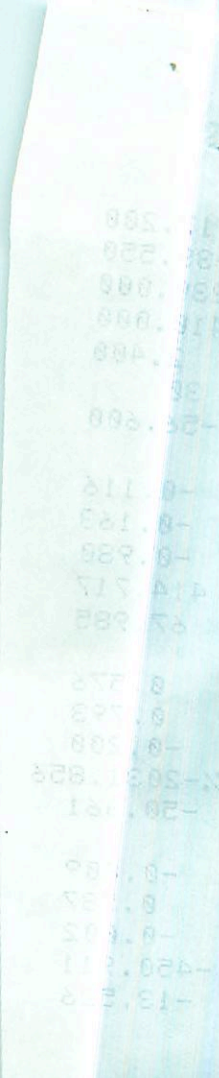
141.6 0.03 64

62.67 89.2 0.100 24

63.66 <0.1 24

64.70 <0.1 16

66.72 <0.1 16



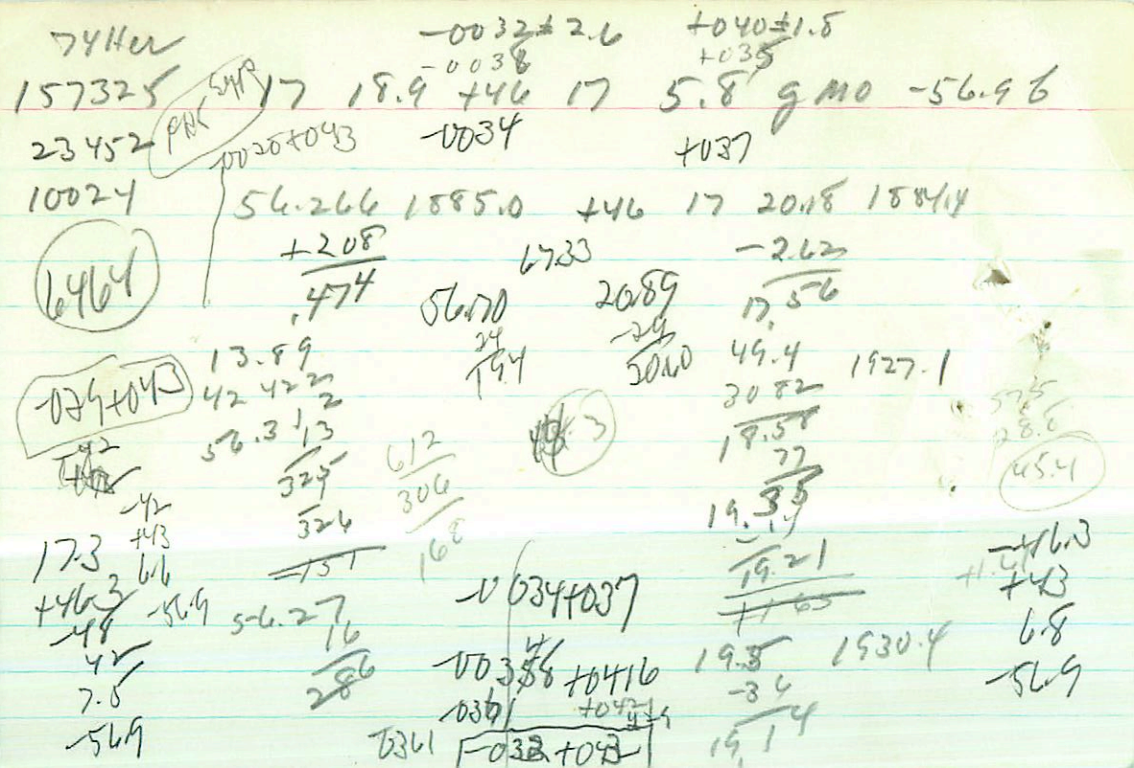
R.A.	:	17.200
DEC.	:	-38.550
M. R.A.	:	-230.000
M. DEC.	:	-410.000
DISTANCE	:	2.400
MODULUS	:	30
D. VEL.	:	-56.600

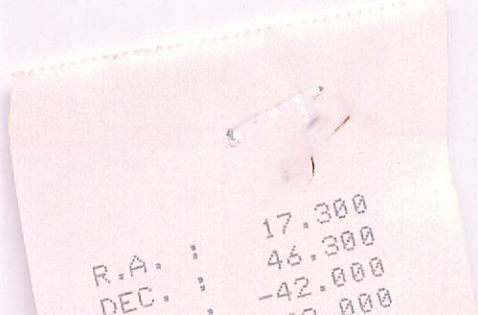
q1 (U)	:	-0.116
q2 (U)	:	-0.163
q3 (U)	:	-0.980
dU	:	414.717
U	:	67.985

q1 (V)	:	0.576
q2 (V)	:	0.793
q3 (V)	:	-0.200
dV	:	%-2031.856
V	:	-50.061

q1 (W)	:	-0.809
q2 (W)	:	0.587
q3 (W)	:	-0.002
dW	:	-450.911
W	:	-13.526

27




R.A. : 17.300
DEC. : 46.300
-42.000

188326 14 51.3 +38 of -71.6

7.52 +78.

FRIV

341

-0034 +341

-040 +341

-51
341
4
-71.1

R.A.	:	
DEC.	:	19.850
M. R.A.	:	38.650
M. DEC.	:	-51.000
ISTANCE	:	341.000
MODULUS	:	4.000
D. VEL.	:	63
		-71.100
q1 (U)	:	
q2 (U)	:	0.466
q3 (U)	:	0.841
dU	:	-0.277
U	:	1270.705
		99.860
q1 (V)	:	
q2 (V)	:	0.226
q3 (V)	:	0.189
dV	:	0.955
V	:	263.239
		-51.325
q1 (W)	:	
q2 (W)	:	-0.856

78 273 170 479 2630

25102 3 56.9 272 +10 11 6.3 dF3 +39.6

2282

4790

+0096 -009

+0102 -010 N30

+0115 ±10.0 +010 ±10.0 be car ≤ N30

6.35 828 276 115 945 2677

247 993 +0101 -0105

+0096 -009 Cutting

+0095 -2 H

+150

+151 -013

5896 5970 1516

8964 -0 N1

-0136

5952 9988

8036 -0497

VBS

2510Z 3 5½G +10 10 +40 Vcm

AP1233

V8F

6.35 276 158/545 2677

+115 +00

6055 5889 1478

7958 -0465 -0078

+13

0259

2.7V

Sym 19,387

+42,687

55,24

+34F +44 +34 mtw(3)

31

תמונה 1116

55-40 שנים

בית ספר

(58-59)

בנות

בנים

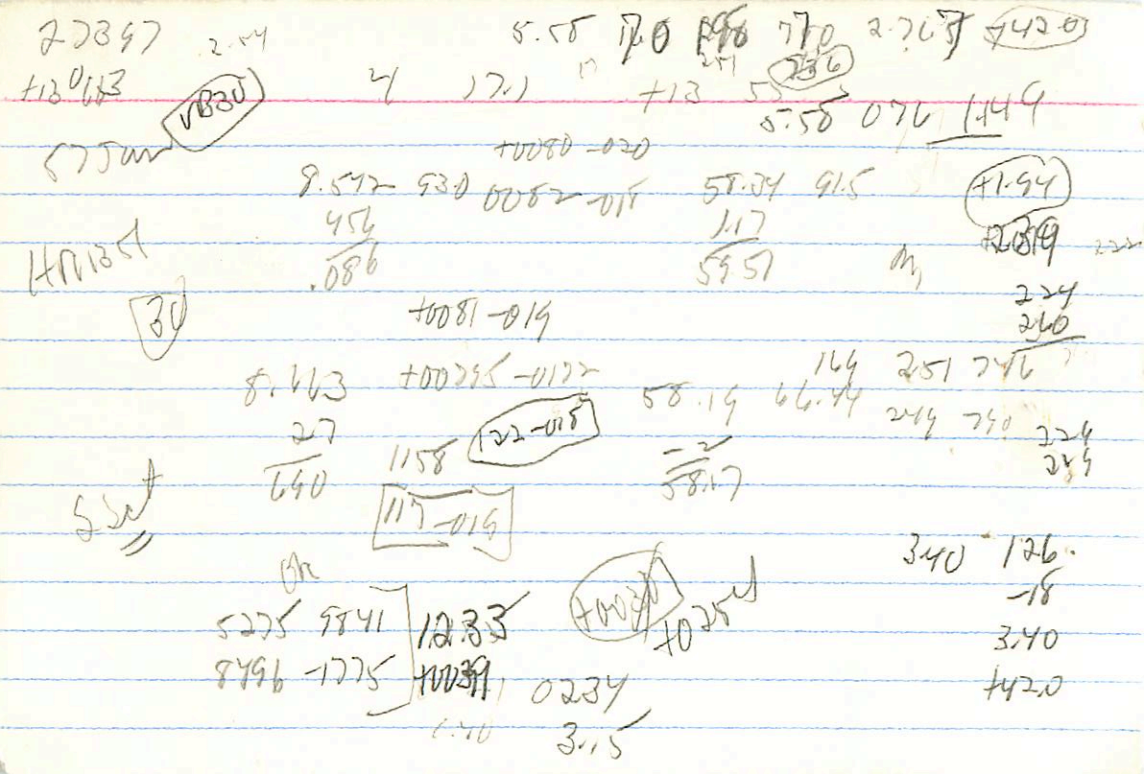
בנות

בנים

בנות

בנים

R.A. :	3.950
DEC. :	10.200
M. R.A. :	0.000
M. DEC. :	0.000
ISTANCE :	0.000
MODULUS :	10
D. VEL. :	0.000
q1 (U) :	0.389
q2 (U) :	0.337
q3 (U) :	0.858
dU :	0.000
U :	0.000
q1 (V) :	-0.654
q2 (V) :	0.757
q3 (V) :	-0.001
dV :	0.000
V :	0.000
q1 (W) :	0.649
q2 (W) :	0.560
q3 (W) :	-0.514
dW :	0.000
W :	0.000



R.A. :	4.300
DEC. :	13.900
PM. R.A. :	126.000
PM. DEC. :	-18.000
DISTANCE :	3.400
MODULUS :	48
RAD. VEL. :	42.000
	0.315
	0.273

.A. :	13.900
EC. :	79.100
.A. :	0.000
EC. :	0.000
NCE :	0.000
LUS :	10
EL. :	0.000
(U) :	-0.735
(U) :	0.558
(U) :	0.385
dU :	0.000
U :	0.000
(V) :	0.631
(V) :	0.355
(V) :	0.690
dV :	0.000
V :	0.000
1 (W) :	-0.248
2 (W) :	-0.750
3 (W) :	0.613
dW :	0.000
W :	0.000

$26.65 17 17¼ +24 32 -34.8

Citi 34/8 $4744

12.30 1.55 1.15
(2.9 1.98 1.43

±4.40 ±5.61
345.97

NV
27.99

-1.17

±6,03
±100

$3.01

5979 -4720 $4/20
-706 886 6303

121

-59.1024

34328 59.1114 5 12.2 -59 42

9.411 284709 -506 236.0 (2)

PL VI

9.48 371 060 205 (3)

P [P2/1K] = -2.24

9.48 371 060 204

9.45 351 07 8239

202

+232.5 ft

? check

+0.929 +52 Copy'g

+0.934 +551 Pcc'g

934 +536

435

3.91 87

1865 513 4114 2360

3.25

12 44 513 PDM

941 513

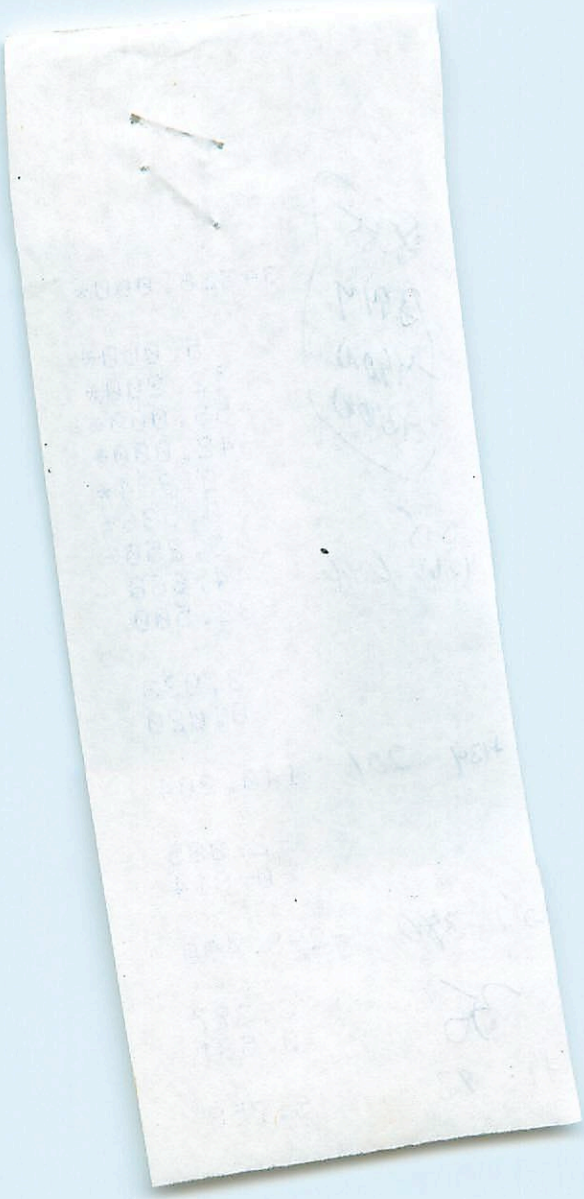
GOWK

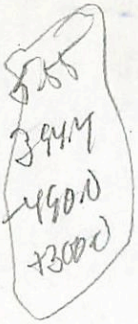
5.35
360.2
-103.5
+261.7

240.0

-369.3

+27.1





34328.000*

5.000*
12.200*
-59.000*
-42.000*
0.934*
0.536*
3.250*
44.668
232.500

3.033
0.020

140.204

-2.335
-0.814

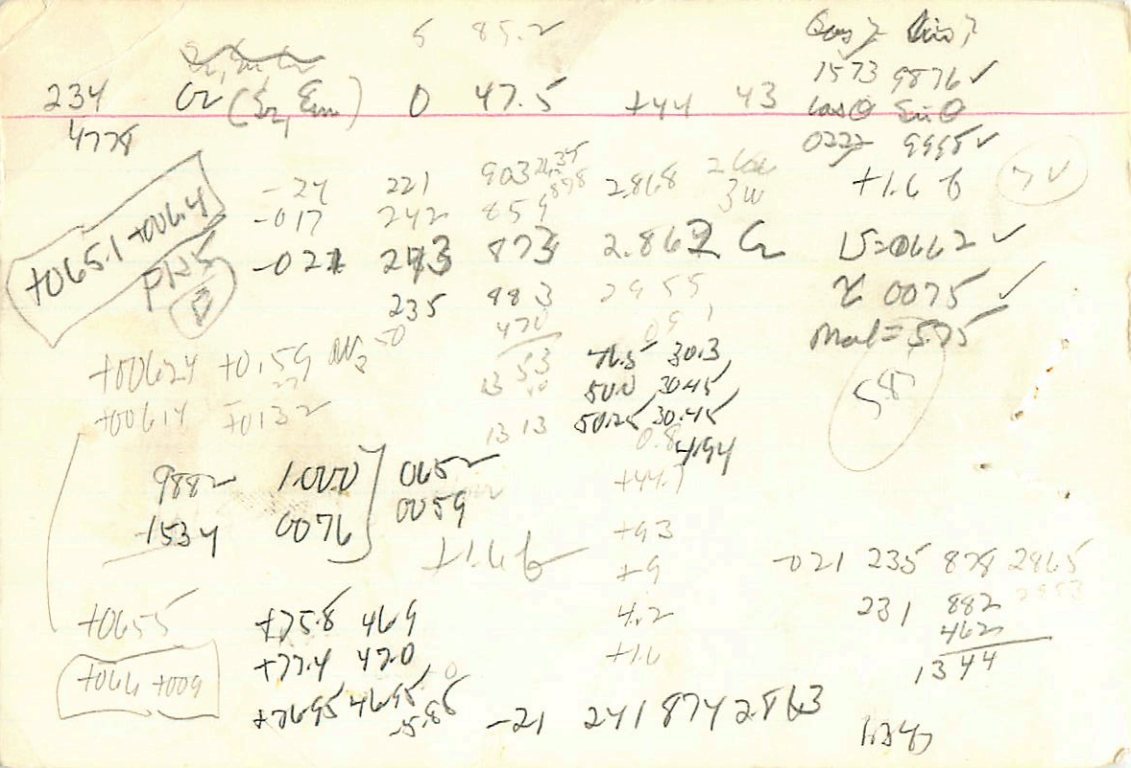
-293.490

3.377
-0.581

15.758

```
R.A.  . . . .  5.200
DEC.  . . . .  -59.700
PM. R.A.  . .  1865.000
PM. DEC.  . .  513.000
DISTANCE  . .  4.160
MODULUS . . .  48
RAD. VEL. . .  235.000

                0.116
                0.993
                0.020
                7.794
91 (U)  . . .  2931.908
92 (U)  . . .  203.908
(U) . . . .  -0.576
                0.084
```



		0.800
R.A.	:	44.750
DEC.	:	92.000
R.A.	:	6.000
DEC.	:	5.810
STANCE	:	145
DDULUS	:	1.600
. VEL.	:	
		0.840
q1 (U)	:	0.170
q2 (U)	:	0.516
q3 (U)	:	264.893
dU	:	39.291
U	:	
		-0.543
q1 (V)	:	0.255
q2 (V)	:	0.800
q3 (V)	:	-160.885
dV	:	-22.082
V	:	
		-0.004
q1 (W)	:	0.952
q2 (W)	:	-0.307
q3 (W)	:	25.869
dW	:	3.266
W	:	

37