DH Peg 22 12.9 +06 84 -5 -7.0

+23 03 124 2 51

+60 2550 Q.4 +016 +001 club -55.5

+0197 +0004 9.37 25 2

9.30 1250

Hoffmeister

AW 25422, 1935

50.4
50.7
-53.3
+20.0

8.38

+54.8
-54.3
+20.0

45.5
-52.1
+26.5

70

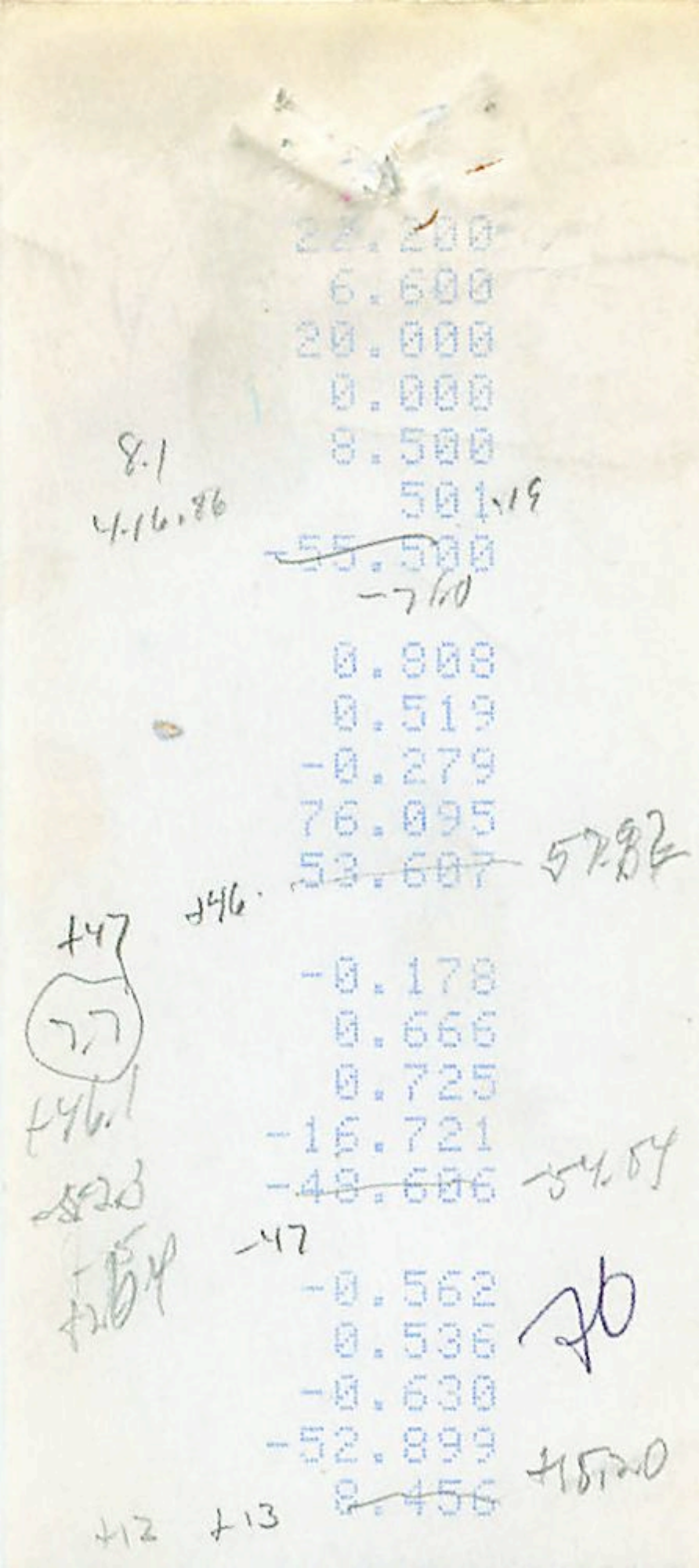
```
 22.200
  6.600
 20.000
  4.000
  8.000
    398
-56.000

  0.808
  0.519
 -0.279
 85.936
 49.820

 -0.178
  0.666
  0.725
 -4.100
-42.230

 -0.562
  0.536
 -0.630
-42.733
 18.271
```


22.200
6.600
19.000
4.000
8.500
501
-55.500
0.808



6-14-18

+29,479

0.717 80°

21278

22 13.1 +39 32 00

-45,6 (30)

+0195 70 46

2.30 078

298

46

4.57

+45.16

2.57 383 170 164

HR8515
Chart

7401 -6440

22 20.4 -72 30

211998

5.28 448 109 249 (4)
448 119 235
5.28 448 119 235 (35)
5.28 448 140 259 (15)
5.28 451 5124 [illegible]

5.29 +0.64 -0.08 (2)
4.95 +0.29 (3)

Dm=0 Pmin =

488 407, 341

448 30

106

1.35

5.28 448 119
5.28 448 140
5.28 451 117
447 125

v cloud 22 20.4 -72 30

211998

BOS 6.1:6.20.1

GC 31284

W 14070

Y 5404

5.3@ +0.63 Cape 60 U

+2924 U -685 13 N30

+2914±42 -685±33 GL → N30

+29.6±0.5 C, (5)

+20.5 GL (5)

25.2

+32.175 GL

+1.297 -687 GL

+1.320 -685 N30

+67 -70 -37 .070

+80 -79 -40 .060

+114 -103 -48 .045

+147 -126 -56 .035

44Y (10)

10C (6)

30±5

211998 22 20.4 -72 30 Bo4

Y 5404 Δm=00 604

44Y(10)
10C(6)
30

5.29 +0.685 -008 (3)
4.95 +0.29

Δ(B-V) +17
Δ(U-B) +595

m(±) 3.54 4.3

m(±) 5.15 466 54 1 26

π (pt) 089

Ag

Ag

NO

Halo?

Halo

Disp.

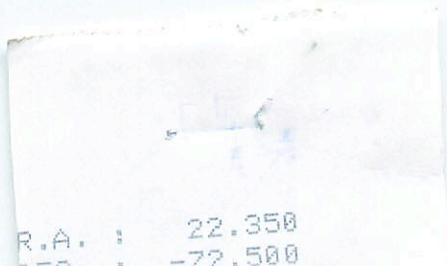
+79.1 -79.0 -43.0
+56 -40 -16

π = 060

854

234

82


R.A. : 22.350
-72.500

G17-26 22 715 +24 08 -462 (12)

1024 0.57

-6059 -167 Condy

-081-167

-59
-167
5.90

6/30
-54
-20
-20

73

```
R.A.  :    22.350
DEC.  :    24.150
R.A.  :   -89.000
DEC.  :  -167.000
ANCE  :     5.900
ULUS  :   151
VEL.  :   -46.200

(U)   :     0.821
(U)   :     0.566
(U)   :    -0.080
 dU   :  -763.786
  U   :  -111.905

(V)   :    -0.203
(V)   :     0.419
(V)   :     0.885
 dV   :  -253.819
  V   :   -79.303

(W)   :    -0.534
(W)   :     0.710
(W)   :    -0.459
 dW   :  -356.354
  W   :   -32.744
```

73

G127-33 82 257 +24 4 -434

0723687

9.55861 02

0806 022

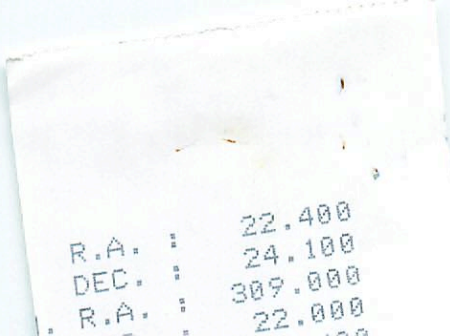
782-022

309

22

810

434


R.A. : 22.400
DEC. : 24.100
R.A. : 309.000
22.000

691 1.131 1.176 OBS Ream

213042 22 26.4 -30 16 dbb +8.6 ±0.7 C,(5)
+5.3 ± W(3)
+7.0 ±

BC31403

W14127 7.68 +1.10 — NS-III Cage

Y5482

-30°,9175

7.09 306
671

+0169 -816 Stg
+0125 -813

-5 -51 -15 075 ✓
-10 -54 -18 .080
-6 -55 -15 .070
-7 -56 -16 073

+223 ✓
+254 -817

+209 -808 BC
+224 ±10 -810 ±10 Cage
+216 -809

64Y(19)
78C(16)

-02 -51 -13 068

0.379 Coming

20 ±6

22.4
-30.25
+254
-817
0.77
12.0

+0161±9.0 −808±9.5
+0171 −817

-397918 -505 803 +216 -809 +7.0 -713 -543

25.372 1899.5 -30 15 48.09 1899.8
-813 4056
24.559 7553

25.11 34.9 1932.8

+962

25.537 4575 5334 1955.80
-10 6
521 53.28

22.490
-30.250
259.000
-817.000
0.770
14.21
7.000

0.825
0.270
-0.197
-169.990
-5.905 -6.0

-0.211
0.962
0.172
-3950.125
-55.110 -57.9

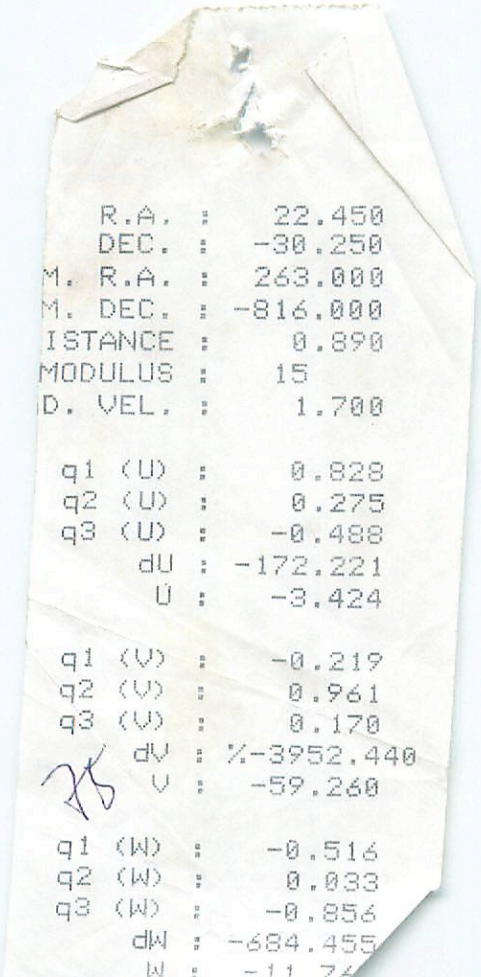
-0.525
0.937
-0.852
-698.440
-15.324 -16.3

R.A. : 22.450
DEC. : -30.250
M. R.A. : 263.000
M. DEC. : -816.000
ISTANCE : 0.870
MODULUS : 15
D. VEL. : 1.700

q1 (U) : 0.828
q2 (U) : 0.275
q3 (U) : -0.488
dU : -172.221
U : -0.424

q1 (V) : -0.219
q2 (V) : 0.751
q3 (V) : 0.170
dV : X-3952.4
V : -59.260

q1 (W) : -0.516
q2 (W) : 0.035
q3 (W) : -0.85
dW :

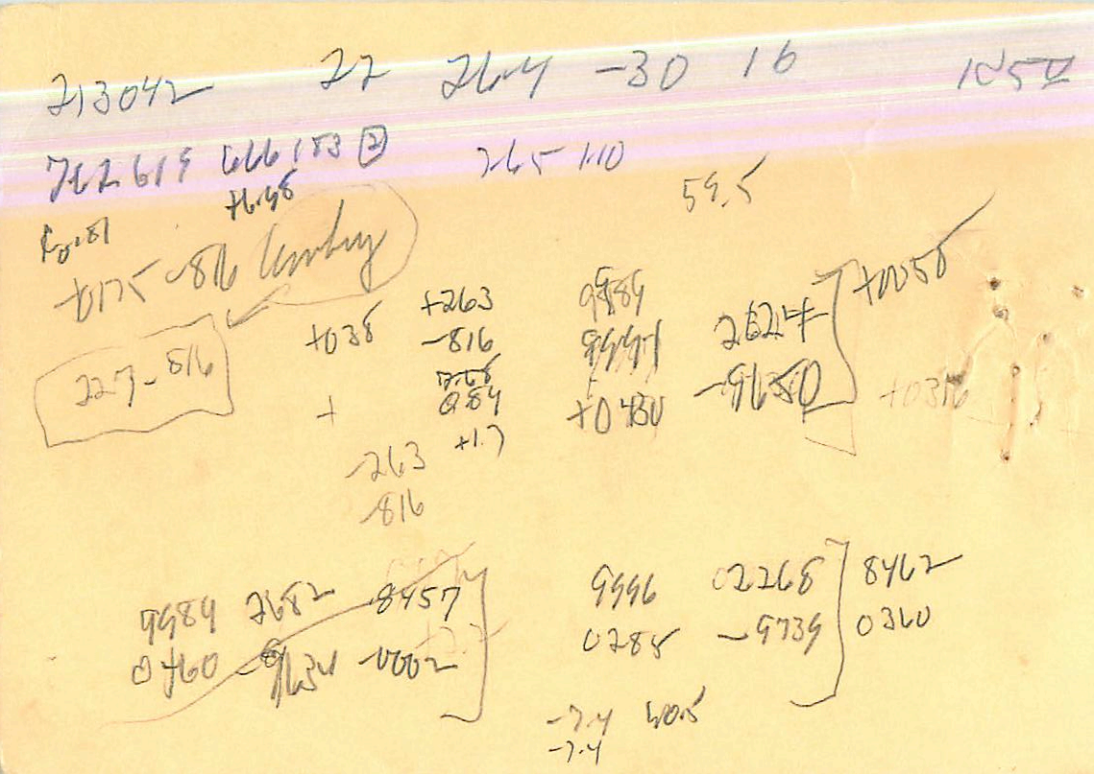


```
    R.A. :    22.450
    DEC. :   -30.250
M. R.A. :   263.000
M. DEC. : -816.000
ISTANCE :     0.890
MODULUS :    15
D. VEL. :     1.700

 q1 (U) :     0.828
 q2 (U) :     0.275
 q3 (U) :    -0.488
     dU : -172.221
      U :    -3.424

 q1 (V) :    -0.219
 q2 (V) :     0.961
 q3 (V) :     0.170
     dV : %-3952.440
      V :   -59.260

 q1 (W) :    -0.516
 q2 (W) :     0.033
 q3 (W) :    -0.856
     dW : -684.455
      W :   -11.74
```



Day 7th Aug 37

Delhi

Agra

Mathura - 54 km

Vrindavan

Govardhan

Barsana

Nandgaon

Kosi

Bharatpur - 83 km

Deeg

Kumbher

Dholpur - 54 km

Gwalior

Morena

Sabalgarh

Sheopur

Kota

Bundi

Chittorgarh

Udaipur

22.400
-36.600
57.000
-83.000
9.000
631
-54.000

0.825
0.213
-0.524
95.039
88.270

-0.211
0.975
0.064
-429.492
-274.473

-0.525
-0.057
-0.849
-91.279
-11.738

22.400
-36.600
22.000
-104.000
8.300
457
-54.000

0.825
0.213
-0.524
-35.987
11.855

-0.211
0.975
0.964
-498.477
-231.330

-0.525
0.057
-0.043
-15.643
38.785

CB-54 22 24.03 +61 54 24 -208.5 (2)

10.20 +48 -16 (2)

010 -310

22.5
+2
10
-310
5.4
-208.5

+905076 22 36.1 +10 18 11.1 d120 -20 el 3w

SDSS

14222

CH?

59 205

.345 = μ_δ^2 + .1235 μ_δ^2

μ_δ = −531

μ_α = −272 ± 0183

−67.7 binary? 10T @ 96

−58.0 2 Sandage

−49
−54
−67
} 3 MW

167 208 (1)

+5° 5076 22 36.0 +10 17

G-67-8

9.52 +0.77 +0.31 SN
9.24 +0.24 (2) ?

(12)
~~58~~

-70: Van (44 hupic) 8.94
-278 -543 ABN2
-250 -535 BPM
-215 -590 Gich
-715 -560

0.000*

22.000*
36.000*
10.000*
17.000*
-0.285*
-0.560*
4.500*
79.433
-70.000

-2.515
-0.160

-188.549

-1.321
0.744

0-27-4r	72	40E	-6	40	-13.5

178 114.5

NW (2)

Ross 288 22 42.3 -2 37

G-27-45

020 +5727
103
630
-15 ℃

11.52 +066 -0.06 (2)
11.31 +0.255 (2)

-0074 (5)
0264 (5)

11.01
10.63

LY

CCW (16)

+810 -250 Ross
+710 -325 G (2)
+725 -285 ~~BRW~~ LP
+720 — π (2)
+720 -295

6.65

1.48
1.50 456 123 1.528 (4)
1.48 454 540
455 132

731 466

42.3 −02 36

Rest 288 22 ~~38.4~~ ~~−03 01~~ −15.0 1 Sept

G 27-45 S = +28

11.50 +0.6b −0.0b ? Sunday ed 68

$m = 6.45$

$\pi = -009\ M_c$ $m - M = 5.00$ $6.13 = \frac{m^2 - m_s^2}{m_s^2}$ 0.75 1120

100 persons

$6.13 m_s^2 = .563 - m_s^2$

$m_s^2 = .487$

$m_s =$

.174 1100
.74 1140
.75 1120
.726 770

.700 −247
.729

m_2
+723
+735
+695 −280
720 −280

$M_c R$
$\frac{1}{2} R$

+845 +472 −247	2.8838 −6264	2.2571 +225.7 +3.7
~~+261~~ +771 +581	−8907 −10233	+1.9140 −191.4 −8.7
−466 +427 −775	−1.5904 −5667	−2.1591 −215.7 +11.6

+245
-24
-24

79


27.450*
22.000*
42.300*
-2.000*
-37.000*
0.720*
-0.295*
6.650*
213.796
2.224
-0.249
-1.969
0.580

-19.2

217271 22 57.3 -45 12.5 2.8 445

-45 010373

5.32 +25 +03 +0064 -079 YHC

233857 Fe/H

-01 -24 1date +08168

3.791 -14 +057 -083

-21.5

5.3 155 04 81 (27)

22.45

9.27 173 807 2.794 12.3 -45.2

141 (21) 279 -83 +123

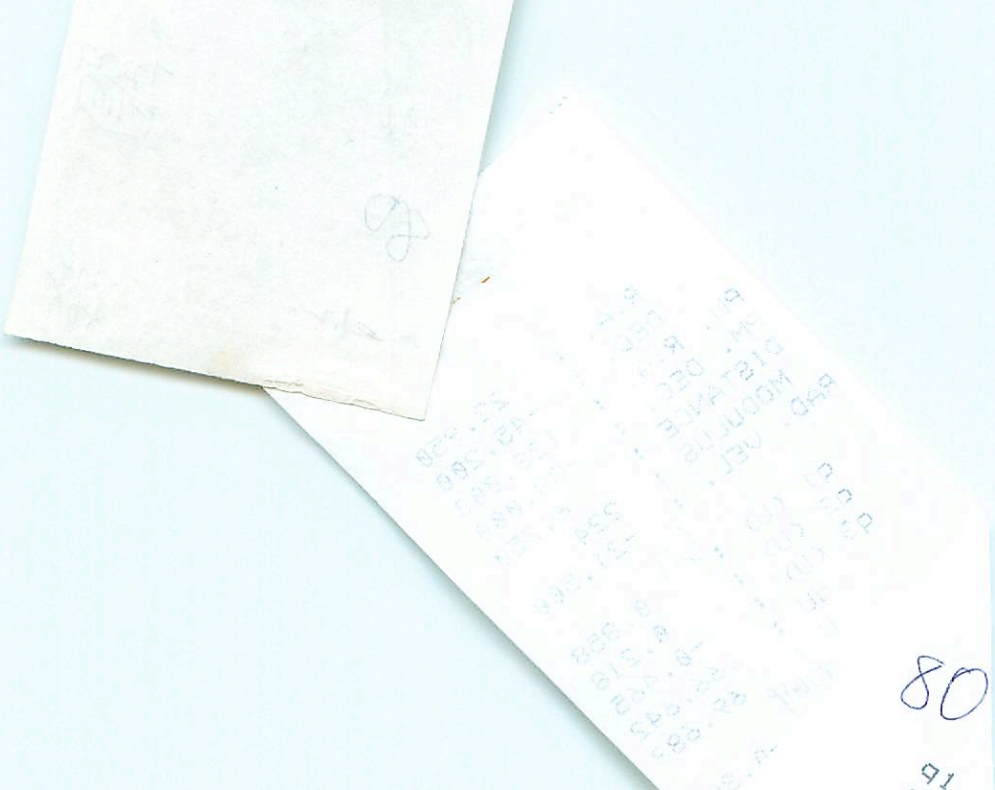
243 477 2.05 6.75 -83

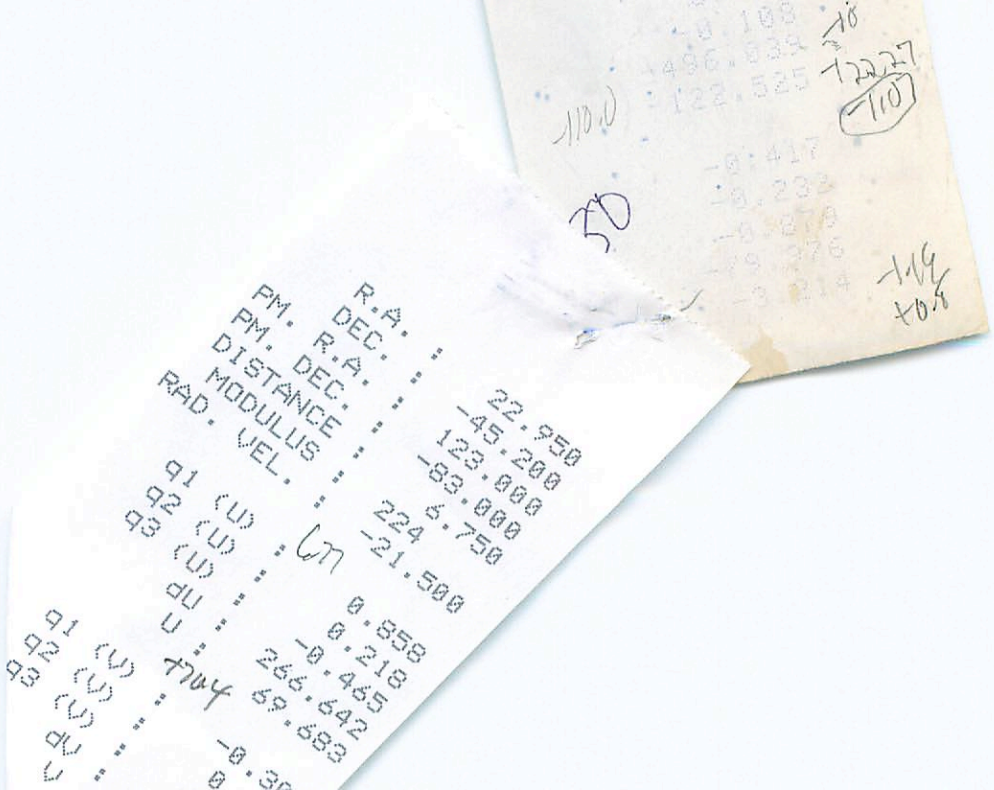
<8 -21.5 7.0

034 -19.2

7424

6970




R.A. : 22.950
DEC. : -45.200
PM. R.A. : 123.000
PM. DEC. : -83.000
DISTANCE : 224
MODULUS : 6.750
RAD. VEL. : -21.500
q1 (u) : 0.858
q2 (u) : 0.218
q3 (u) : -0.465
du : 266.642
u : 69.693
30

R.A.	:	22.200
DEC.	:	39.550
PM. R.A.	:	298.00
PM. DEC.	:	48.00
DISTANCE	:	4.57
MODULUS	:	82
RAD. VEL.	:	-45.60

(U)	:	0.808
(U)	:	0.587
(U)	:	0.048
dU	:	1013.670
U	:	80.949
(V)	:	-0.178
(V)	:	0.164
(V)	:	0.970
dV	:	-155.987
V	:	-57.041
(W)	:	-0.562
(W)	:	0.793
(W)	:	-0.237
dW	:	-431.472
W	:	-24.585

HR8515
D chnt

7401 -640

22 20.4 -72 30

211648

528 448 109 249 (4)
448 119 235

Dm=0 Pmin = 528 448 119 235 (35)
528 442 140 259 (15)
481 524 [illegible]

529 +0.64 -0.08 (2)
495 +0.29 (3)

488 407 341
448 30

1097
1,35

528 446 119 215 (35) +1.3216
528 442 140 259 (15)
528 451 117 [illegible] (5)
447 125 235 2465

1.320-648

446 122 245

1.308-640

Dg446