old

224618 23 56.8 -17 13

Y5796

17 C(17)

25Y(17)

24(17)

8.97 +0.77 +0.26 (2)

8.55 +0.285 (3)

8 17
407
2.210
4.07

m(I)
+4.765
8.27
3.29
349

π (pt)
.10225
.020

Δ(B−V) +055

Δ(U−B) +20

u v w

+183.0 -122.5 -6.7

+40 -26 -11

-42.8 +1.027 -0.107 +171 -121 -4

8.97 +0.77 +0.26 0.024 3.10

8.55 +0.285 2.3 17 +5.65 +10 -26 -11

1.17 985 7 Phi

224618 23 56.9 -17 13

G266-20 8.93 +0.76 +0.27 (2)

-42.8 G 8.55 +0.285 (3)

→ +1162 -048 Yale → GC 823

+1023 -105 C (RM) 792

+1105 -145 Greta (2) 564 [illegible]

1164 -061 ~~[illegible]~~ LP

8.23

7.8 14.2

1.112 -070

3.6

Wide [illegible]

224618 23 56.8 −17 13 dG6 −42.8 6 W(4)

−39.4 ±56

CC1467 8.92 +0.77 +0.25 K0 III R

W15010 S = 07

Y5794 8.93 +0.74 +0.29 2BS δ = .13

−17 06856

+1.023 ±8 −105 ±2 c R

+1.19 −06 Cin

+1.171 ±14 −048 ±10 Y

−9

1.162

1.023 −105

1.162 −048

105 153

.225 −07

+229 −136 −6 .021

+163 −94 +3 .030

Stoy

17 ±1.20 C (7)

49.7461
− 15
731
742
55.64

3365
70.65

19.56
− 25
19.31
+3
78
21.56

−7.6856

+1856 −058

33

35

224618.000*

180 23.000*
56.900*
-8 -17.000*
+4 -13.000*
1.112*
-0.070*
3.600*
52.481
-42.800

4.446
-0.090

#132 237.194
130

-2.623
0.256

-8 -148.632

33 -1.116
-0.962

-17.355

229669 23 56.9 -20 19 +21.5

Candelary

-206684

0364 -289

7.47 449 263 289 (4) 512 -289

450 247

546
-289
210
+21.8

-16

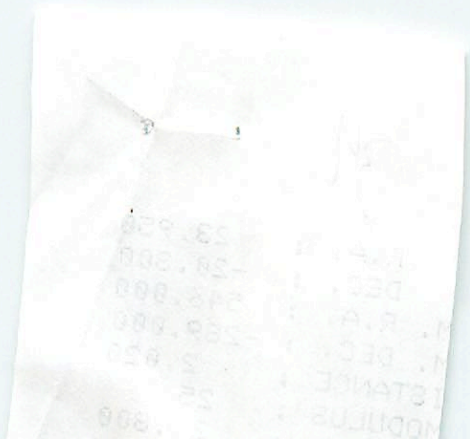
7
449 260 289

1096
C 275

+5.31
14
5.45

202

(39) 32



34

R.A. : 23.950
DEC. : -20.300
M. R.A. : 546.000
M. DEC. : -289.000
ISTANCE : 2.020
MODULUS : 25
21.800

W0010 12 357 +79 32 -19.0

+80.835

201 [illegible] 7.01 3[illegible]5 228 387 (5) 2609 Cancelled

Co 380 372 228

380

-0437 +008

510

15 396 228

-119 8

+425 +47 14

17 4.58

-156

8

5.10 2.43

14

-150

Co 398 V16

.A.	:	12.600
EC.	:	79.550
.A.	:	-656.000
EC.	:	8.000
NCE	:	2.930
LUS	:	39
EL.	:	-19.000
(U)	:	-0.852
(U)	:	0.287
(U)	:	0.439
dU	:	491.136
U	:	10.596
(V)	:	0.522
(V)	:	0.544
(V)	:	0.657
dV	:	-273.686
V	:	-23.028
(W)	:	0.050
(W)	:	-0.788
(W)	:	0.613
dW	:	-58.279
W	:	-13.900

110313 .12 38 +69 05 ΔG -5.5

[illegible]

789 286 201 354 (2)
7.89 389 203 341 (1)
788 344 189 349 (1)
31 180

.04

390 195 (348)

S_0 308

+47[illegible]

+4.80 309

C_0 347

.0806 029 ([illegible])

-432 29

-121
29
3.09
-5.1

11/1537 121 -10.4 -3 46 +38.7

613-57

-3.3371 7.82 424 231 319 ①

711 221

Carlsburg

C0320 L2039

-219.44 179.70

21.51 0.89

-1146 180

-219 180

219
-180
2.72
+38.7

-9 583 778

+5
-53
+16
-54

37

```
R.A.  :     12.650
DEC.  :     -3.750
R.A.  :   -219.000
DEC.  :   -180.000
TANCE :      2.720
OULUS :         35
 VEL. :     38.700

1 (U) :     -0.849
2 (U) :      0.469
3 (U) :     -0.245
   dU :    479.487
    U :      7.298

q1 (V) :     0.527
q2 (V) :     0.716
q3 (V) :    -0.457
   dV : %-1157.258
    V :    -58.190

q1 (W) :     0.039
q2 (W) :     0.517
q3 (W) :     0.855
   dW :   -481.417
    W :     16.241
```

10649 12 41.0 -37 26 -22.5 30.7 (?)

BD +17 308 62107 7.52 +0.66 G5 V -30 c w4

+2931 -25.0 c

-3708082 +1.70

S = 125 (3) +0.78

7.53 413 205 256 2.50 (2)

7.54 402 219 254

412 189 (255) 2.50

407 181 ~~254~~ lambda -631 -212 cc

-212 -620 -212 cup

mean

+83 -43 -39 .031 -29

-0.529

-226

C₀ 268

-630 -212

+5.23

33 -744 37 Y(10)

+5.56 -212 24 C(7)

1.56 32 ± 5

-22

-0530 ± 5.2 -212 ± 4.6
-0528 -223

2.164 1907.8
2.237
4.401

-37 25 53.51 1906.7
+ 9.18
44.33

2.689
-6
683

4644
2.322
1.961 -2.079
0

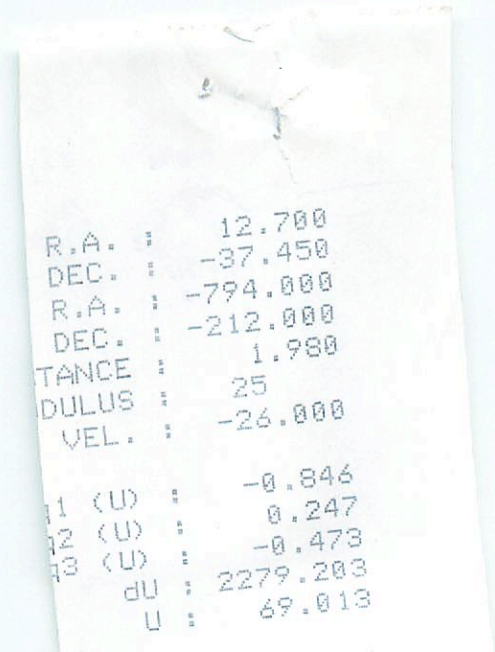
39.4

51.72 1940.02
-10
51.82

9432
47.2
40.5

54.63 1954.30
-31
54.94
6.76
53.36
-9.05

8
5



R.A. : 12.700
DEC. : -37.450
R.A. : -794.000
DEC. : -212.000
TANCE : 1.980
DULUS : 25
VEL. : -26.000

1 (U) : -0.846
2 (U) : 0.247
3 (U) : -0.473
dU : 2279.203
U : 69.013

110833

+52.1650

5905-86

12 42.2 +52 02 N3 V

+10.6 (7)

-37876 +55.86

66.40 0.78

701 540 497 281 2.543 (5)

701 548 477 ~~286~~ (3)

(284)

102

D_0 266

+6.06

13

7621

-0423 -173 (Cardinality)

-350 -173

-634

-123

0.80

+10

R.A.	:	10.700
DEC.	:	52.050
. R.A.	:	-634.000
. DEC.	:	-173.000
STANCE	:	0.800
ODULUS	:	14
. VEL.	:	10.000
q1 (U)	:	-0.845
q2 (U)	:	0.117
q3 (U)	:	0.522
dU	:	1465.459
U	:	26.399
q1 (V)	:	0.260
q2 (V)	:	0.943
q3 (V)	:	0.209
dV	:	%-1253.595
V	:	-16.029
q1 (W)	:	0.467
q2 (W)	:	-0.312
q3 (W)	:	0.827
dW	:	-607.307
W	:	-0.507

10CVm
110897
17337 12 42.6 +39 33 6.0 dFG +80.91

7666 5.95 +0.54 -0.01 G0 V +80.9 (16)

65-17
-366
G_0 285
+41.6
5.1 5

-03137 +1396 W, 50
-7
-03144 1396 (Carlsberg)
-0310 +141
3636
366 144 -35 +141

12.7
+35.55
486
14
0.8
+80.9

110897 12 426 +35 33 G0Z

HR4845

J.98+0.57-0.06 YEgg

G47337
10CVm

.377 .157 .287 (2) SPE 2.574

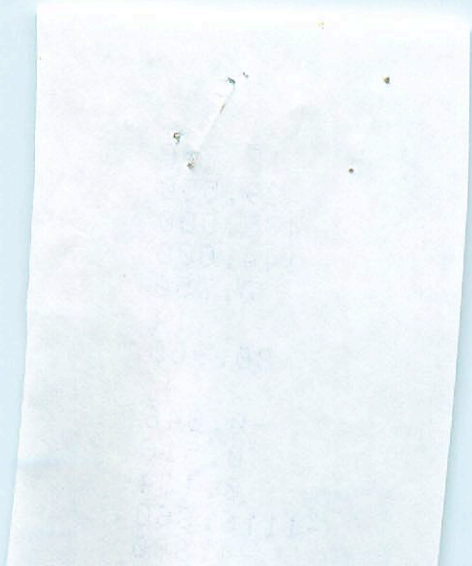
224 596 373 148 283 (3) Cut

341 P.S.4130 (283)

[m] 217 +56

[C] 205 0.90 +37.2 +8.1 +76.4

+1748 -342 -180




12.700
39.550
475.000
144.000
0.750
14
80.900
-0.846
0.516
0.134
-1116.360
-4.890

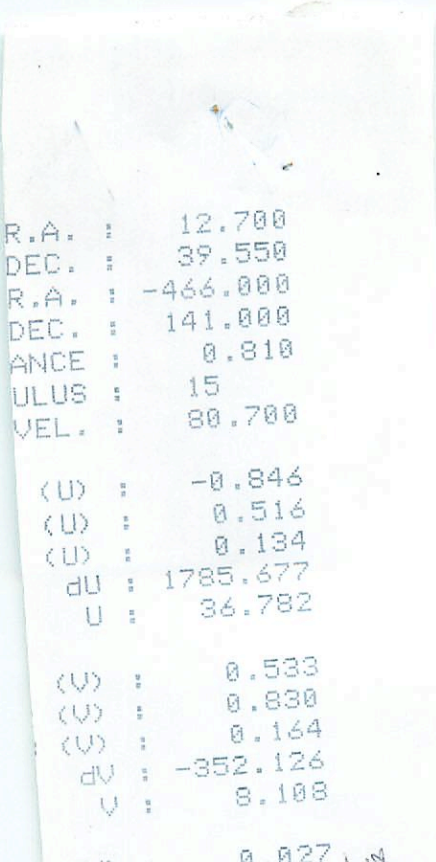
12.740
39.550
-475.000
144.000
0.750
14
80.900

-0.846
0.516
0.134
1820.841
36.599

0.533
0.830
0.164
-357.938
8.199

0.027
-0.210
0.977
-190.558
76.370

40


R.A. : 12.700
DEC. : 39.550
R.A. : -466.000
DEC. : 141.000
ANCE : 0.810
ULUS : 15
VEL. : 80.700
(U) : -0.846
(U) : 0.516
(U) : 0.134
dU : 1785.677
U : 36.782
(V) : 0.533
(V) : 0.830
(V) : 0.164
dV : -352.126
V : 8.108
0.027

HR4935

113415 5.58+0.54 +0100±5.3 +0099 ~~20 18 54.81~~ +011±5.0 -004

13 01.1 -20 19 5.7 dF8 +33.56

17711 5.122 18917 -20 18 54.81 1893.5 +25.4 (2)

7782

-583

4.539

3449 123

347 1903792 (31)

ADS8757

354 174 396 (4)

4.539 498

44897 558

155

(407)

Δm=0.5

14.985

4.882

4.52

.934

8

942

9971

350 180387

(45.0)

4435

-62

55.43

52.14 1933.34

4.18

56.32

+7

56.25

+40

55.85

55.37 1940.02

+2

55.35

1.60

55.60

-0.87

72.36

36.7

(43.2)

5.027

2

029

4.986

+.447

111031 12 43.9 -11 32 G5 -16.8 5 Sti.

δ = -07

42441

6.58 +0.69 +0.31 5 BS

35 Y(10)
7 C(7)
21 ± 5

-0183 +039 C →

-.270

.014

C0774

689 426 250 376 (1)

421 246

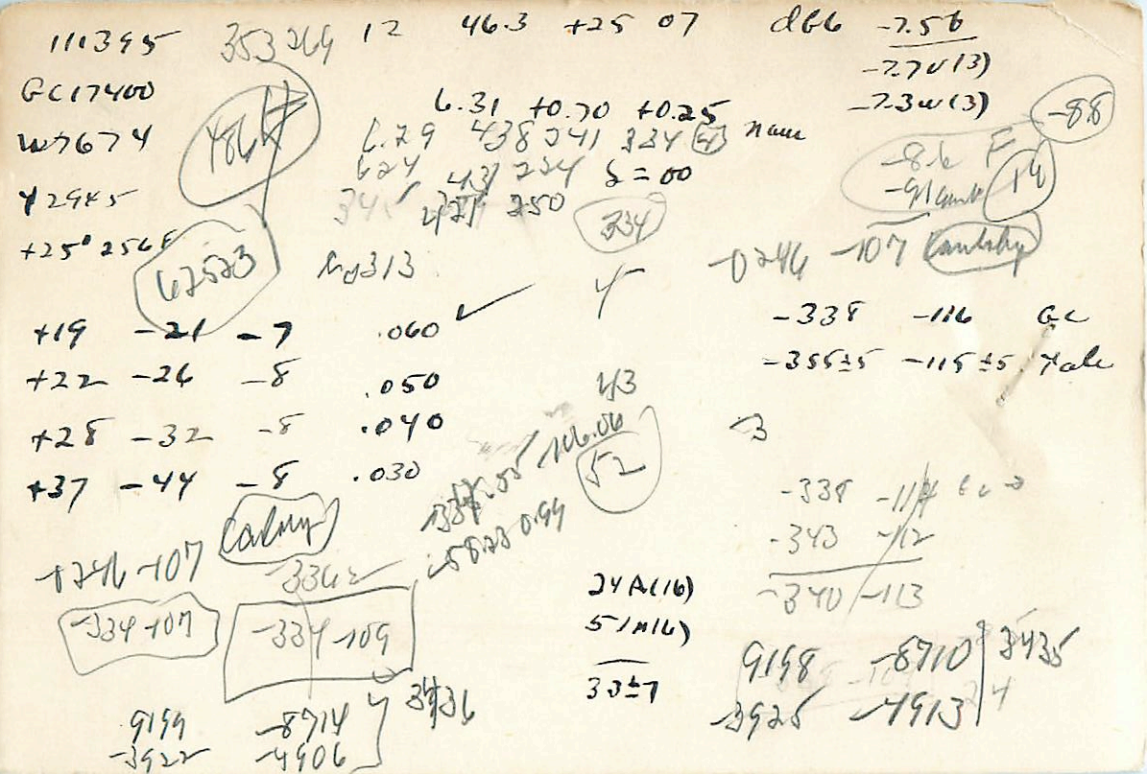
+5.16
-15
5.01

-0185 -049

-222 WS

-238
49
189
-16.8

R.A.	:	12.700
DEC.	:	-11.550
R.A.	:	-278.000
DEC.	:	49.000
TANCE	:	1.890
)ULUS	:	24
VEL.	:	-16.800
1 (U)	:	-0.846
2 (U)	:	0.429
3 (U)	:	-0.317
dU	:	1191.710
U	:	33.784
1 (V)	:	0.533
2 (V)	:	0.649
3 (V)	:	-0.543
dV	:	-536.873
V	:	-3.691
1 (W)	:	0.027
2 (W)	:	0.629
3 (W)	:	0.777
dW	:	110.978
W	:	-10.409



-0249 #4.1 -116 340

20.938 11.8 -0250 -107

951 -116 50.22 - 94

21.889 -0246 46.9

54.91

69.55 -0248 715

20.422 -02475 -1133 48.61

+17 -19

437 48.42

20 48.57

20.544 44.0 -23

+21 48.34

20.555 42

25.000*
7.000*
-0.338*
-0.109*
2.400*
30.200
-7.500
1.069
-0.013
32.388
-1.300
-0.039
-38.953
-0.037
0.999
-8.622

111564 12 47.7 -30 18 -030

-79.9550

+016

- √ 762 371 200 362 - (4) 2620

762 386 166 387 (1)

√ 762 381 181 381 (3) 2620

$C_0$358 +258

370 190 (377)

378 200362

-0327 028 (Corliss)

[illegible]
$C_0$392

-424 28

-491
28
3.27
-23

```
  R.A. :    12.800
  DEC. :   -30.300
. R.A. : -491.000
. DEC. :    28.000
STANCE :     3.270
ODULUS :    45
. VEL. :   -23.000

q1 (U) :    -0.840
q2 (U) :     0.293
q3 (U) :    -0.457
     dU : 1726.298
      U :    88.340

q1 (V) :     0.543
q2 (V) :     0.447
q3 (V) :    -0.711
     dV : %-1031.679
      V :   -30.158

q1 (W) :     0.004
q2 (W) :     0.845
q3 (W) :     0.534
     dW :   104.387
      W :    -7.584
```