3556 0 33.4 36.0 38.6 45 24 76 01 +30.0 R(1)

8.77 +0.59 +0.16 G0 V R

δ = .02

10080 -091 Coutts

114-091

120
-91
4/52
+30

3291 0 33.6 +44 22 7.3 B8 -9.16

332 +0025 ± 5.2 +001 ± 3.9 GC
+0026 -004

RC718

0 33 36.456 1903.4 +44 21 50.11 1899.3
-116 -05
340

3373 0 3½0 -30 37 -3.7

+3 +8

3.5
8
10.5
-3.7

```
. R.A.  :      8.000
. DEC.  :     10.500
STANCE  :   1259
IODULUS :     -3.700
). VEL. :

q1 (U)  :      0.854
q2 (U)  :      0.514
q3 (U)  :     -0.081
     dU :     31.676
      U :     40.179

q1 (V)  :     -0.516
q2 (V)  :      0.856
q3 (V)  :     -0.015
     dV :     25.094
      V :     31.647

q1 (W)  :     -0.062
q2 (W)  :     -0.055
q3 (W)  :     -0.997
     dW :     -2.959
      W :     -0.038
```

H4

+53°.04 0 34.0 +54 22 AOD −12 R

10.55 +0.15 +0.01

−025 +036 R

~~−002 +019 7~~

−0002 +0019 4

−1 −1

−003 +018

148 989 813 582 -002 +019 -12 015 -10 -052

0 002 -002 015 -051 0 -7 -7 -1 001

-78 -1 -62

-37 -85 +38

-149 -1 -104 005

HD 3405 Goll I

3359 0 34.2 7.9 24

+0355 -129 Y+C ~~A~~ — +0377 -141 Stay

B +0377 -145 "

+0377 -143

A dbl lin Δm = 0.75 -3.0 +0378 -143.5

Balw variable velocity (+50)

+5348

+0836 -148

646 +215 8.10 +0.26

7.8

742

(2.4)

R.A.	:	0.550
DEC.	:	-49.400
PM. R.A.	:	536.000
PM. DEC.	:	-148.000
DISTANCE	:	2.400
MODULUS	:	30
RAD. VEL.	:	-3.000

q1 (U)	:	0.854
q2 (U)	:	0.460
q3 (U)	:	-0.242
dU	:	1089.41
U	:	33.62

q1 (V)	:	-0.51
q2 (V)	:	0.80
q3 (V)	:	-0.29
dV	:	%-1419.
V	:	-41.9

q1 (W)	:	-0.062
q2 (W)	:	-0.373
q3 (W)	:	-0.926
dW	:	159.237
W	:	7.586

15cat
3512 0 35.5 -00 47 gK3 -33.8 0 wr-1)

GC 70-2 6.7 -0031 -0042 ±2.0
W348 -0465 -43
AO5531 -045 -010

11.5 30.5 6.66 + 1.30 +1.38 (4) -048±2 -004±2 GC
6.03 +0.485 (2) -050 -009 Z

optical B 13.53 +0.64 +0.15 (4)

154 988 -014 1.000 -049 -006 -55.8 0 +1 -028

008 0 -048 0 038 -227 -55.8 -55 -9

-36 -123 -13 002

$\boxed{-117 +28 +45}$

-47 -53 -5 005

$\boxed{-53 -4 +47}$

52

-52.2 15h

3512 ADS534 0 35.5 -00 47 g183 -55.5 8

348 11m30" physical? -0032±1.9 -004±1.6
G6752 -0036 -003

0 35 31.018 18943 -0 46 41.52 1889.2
178 +.24
.196 41.28 cusp

34 14.347 54 56.81 1933.37
1 16.740 5 15.52
35 31.087 46 41.29
31.010 -.24 1133.0
.097 41.53
-.014 41.24
.083 41.24 cusp
41.2

35 31.067 31.041 43.5 42.03 41.45 1938.27
-.015 +.76
.052 -.155 41.7 -.17 west

35 0.367 49 59.56 1941.66
20.701 3 18.10 1937.87
31.068 46 41.46 48.6
31.021 +.12
30.997 41.34

+73°26
353
+105

0 36.3 +74 29 9.1 dG4 +0.683w

π_G = -0.001 G(8)

S= +08

-213 -83 G1°

9.24 +0.18 +0.14 120°

	u	v	w
M_V =	+5.75	-41	+31	-17
	+3.5	-112	+83	-45

KY III

3574 00 36.4 +49 05 5.7 gK5 -9.86

355

GC770 +0002. -0001 N30 -7.7 (1) Vau

ADS546 +0003 ±2.8 -0008 ±2.4 GC conv to N30 ~7.3 (?)

10m 14"

optical

HD +3.3 [2] 4

3622 0 36.4 -25 52 A +7.0 ± 1.6

-26.81 277 +0.22 +1.58 A > V

-0.45 -0.26 ± 1.3 Y

145 890 −437 500 −045 −026 +7.0 011 −3.0 −111

006 001 −045 011 −024 −218 +6.3 +6.2 +0.9 01

+3.8 −21.1 −14.1

−24.9 +0.6 −6.5

1272 -.121 -100

3689 00 36.4 -74 14 F5 IV - V +44.0 (6)

GC771 +101 (2)

FD809

7.42 +0.47 (1.60)

-0332 ±7.5 -098 ±7.3

-104

23.518 1898.9 -0320 9.28 1896.5

1.647 -0326 -0.101 5.24

25.215 4.04

-0306 -0.101

22.50 1928.69

-.125

26.021

58.428 15.15

24.449 7.35

-441 -460 7.43

.540 -.101 -03

23.81 -.142 .648 300 7.46 090 1447.9

.44 -.35

9.38

8.42 .192 -.659 38.24

R.A.	:	0.600
DEC.	:	-74.250
PM. R.A.	:	-460.000
PM. DEC.	:	-101.000
DISTANCE	:	3.000
MODULUS	:	40
RAD. VEL.	:	44.000

q1 (U)	:	0.852
q2 (U)	:	0.326
q3 (U)	:	-0.410
dU	:	-660.211
U	:	-44.340

q1 (V)	:	-0.522
q2 (V)	:	0.603
q3 (V)	:	-0.604
dV	:	20.335
V	:	-25.751

q1 (W)	:	-0.050
q2 (W)	:	-0.728
q3 (W)	:	-0.684
dW	:	378.407
W	:	-15.010

3689 0 36.4 -74 14 F5 IV

-74.53 +101 (2)

7.42 +0.47 -(0.04) C

.329 .135 .337 2.637 (2) 4417

[m1] 194

[a1] 27/4 325 -5

-34

90 56

+20.67 +10.83 5.22 / 4.2 150 I ab −8.2 [35]

HR167A 00 373 +21 10 −17.3

+0018±2.2 −033 ± 1.8

3640 17.329 96.2 +0020 −027

5.26 +0020 −031 57.56 94.0

GL 379 8.57 −92 / 232 1.85 / 53.41

B=025 17.381 66.05 57.78

−11 / 370 −29 / 57.46

Fe/H=0.00

0020 −030

0.6 00226 −026.8

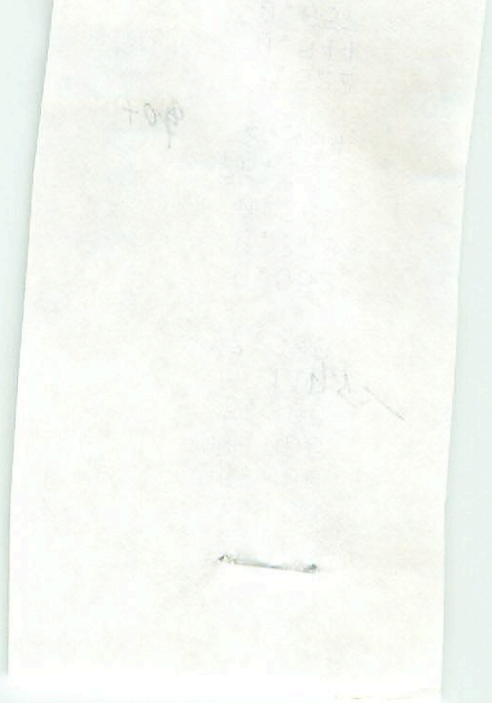
+21.15 17.321 38.25 52.18 0316

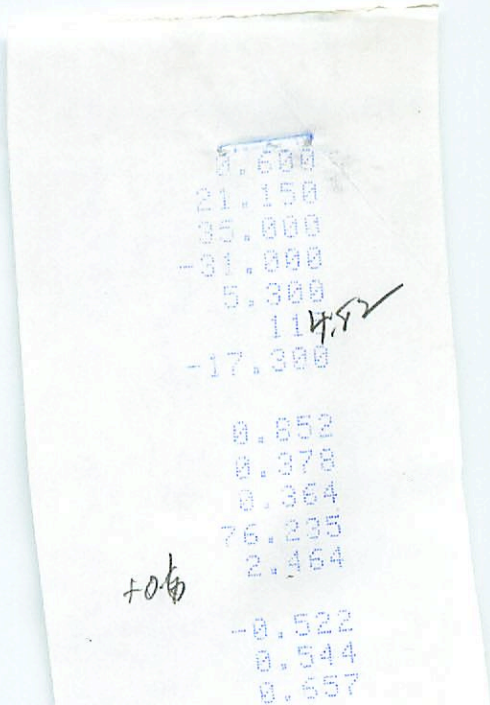
35 −5 / 316 −16 / 52.02 [033-031]

−31

5.3

17.3




3.600
21.150
35.000
-31.000
5.300
114.52
-17.300
0.852
0.378
0.364
76.235
2.464
+0.6
-0.522
0.544
0.557

−0094 ± 10.0   −103 ± 8.3
−0089   −102

3737   00 37.4   −41 56   F8 V +17.3 ± 0.86 (?)
786

8.48 +0.54

21.260 1900.4   −41 55 58.69 1896.9

466
1726

5.47
53.22

9.474
12.082
21.556
−60
21.496
1.443
−453

729
364
−362

(40.8)

11.12 1927.40
14.60
56.22
56.14
−23
55.91

53.46
41.2
(44.3)

66 15.43
57.72
−4.50

21.309
−33
274

59.43 1954.86
−9
59.52

Dm=2.15 16" 8.6 dF2 -1c

3743 0 37.7 +23 47 7.2 dA5 -3.08

365 m 6.616" +0024 ±5.7 +008 ±4.3 +003

GC793 +0028 -005 +002

+0027

A05562 +0028

0 39 40.841 1897.2 +23 46 46.37 1893.1

127 -46

.714 (74.01) 45.91

40.940 46.75 Bmej 50

+00375 +0025 40.841 935 46.14 45.51 1934.10

-2

839 40.904 (58.81) 46.18 +15 62

+0030 +0055 10 -11 45.66 Yale

+0412 40.776 894 46.07 1927.4

0 45.82

-6

1615 (33.8) 45.76 31.0

+041 +001

45 .807 45.71 (37.9)

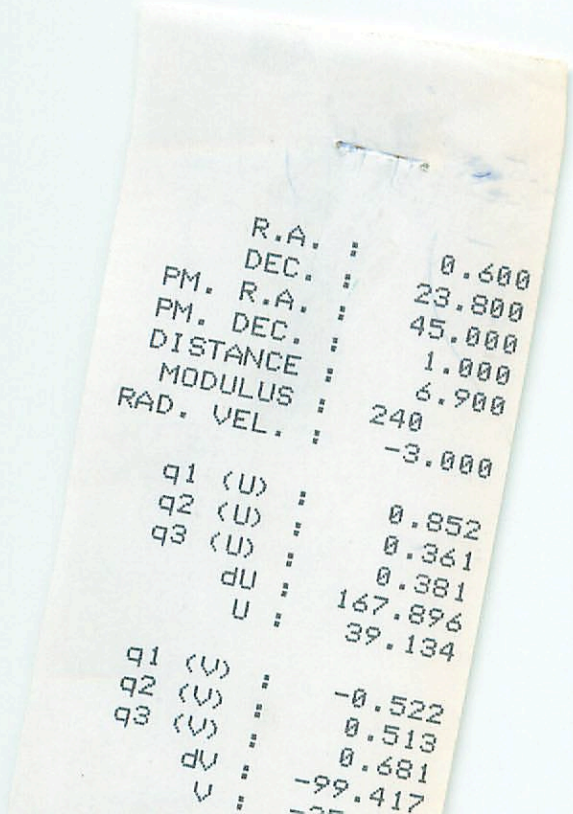
6.9 +093 -.20

55

R.A. :
DEC. :
PM. R.A. : 23.800
PM. DEC. : 45.000
DISTANCE : 1.000
MODULUS : 6.900
RAD. VEL. : 240
-3.000

dI (U) :
d2 (U) : 0.852
d3 (U) : 0.361
Ub : 0.381
U : 157.896
39.194

dI (U) :
d2 (V) : -0.522
d3 (V) : 0.513
Ub : 0.681
V : -29.412


R.A. :
DEC. : 0.600
PM. R.A. : 23.800
PM. DEC. : 45.000
DISTANCE : 1.000
MODULUS : 6.900
RAD. VEL. : 240
-3.000
q1 (U) : 0.852
q2 (U) : 0.361
q3 (U) : 0.381
dU : 167.896
U : 39.134
q1 (V) : -0.522
q2 (V) : 0.513
q3 (V) : 0.681
dV : -99.417
V :

−10c 3L

3726 OU 37.7 +26 24 8.0 dF6

791 $8\overset{4}{3}\overset{2}{3}$ 7 '126 F6V

W363 +0093 −606 GC +153 −20 Y

Kurtosity −14 0

0126 −019 +139 −20 → Gi

173 −019 +126 −6 GC

+132 −13

0 +2

193

−19

4,0

−16

R.A. : 0.600
DEC. : 26.400
PM. R.A. : 193.000
PM. DEC. : -19.000
DISTANCE : 4.000
MODULUS : 63
RAD. VEL. : -10.000

q1 (U) : 0.852
q2 (U) : 0.343
0.397

α Cas   KO II-III(?)   2.5   KO III
3712   g   37.7   +56   16   gG7   -3.8 a

364 HR 168   +0062 -029 N30   -4.7 (6)
GC792   +0056±0.6 -028±0.6 GC Conv to N30 -3.5 (10)

ADS 561

0527-0318   FRS

14m 18" FRS

+0527-0318

95
-32
1.8
-3.5

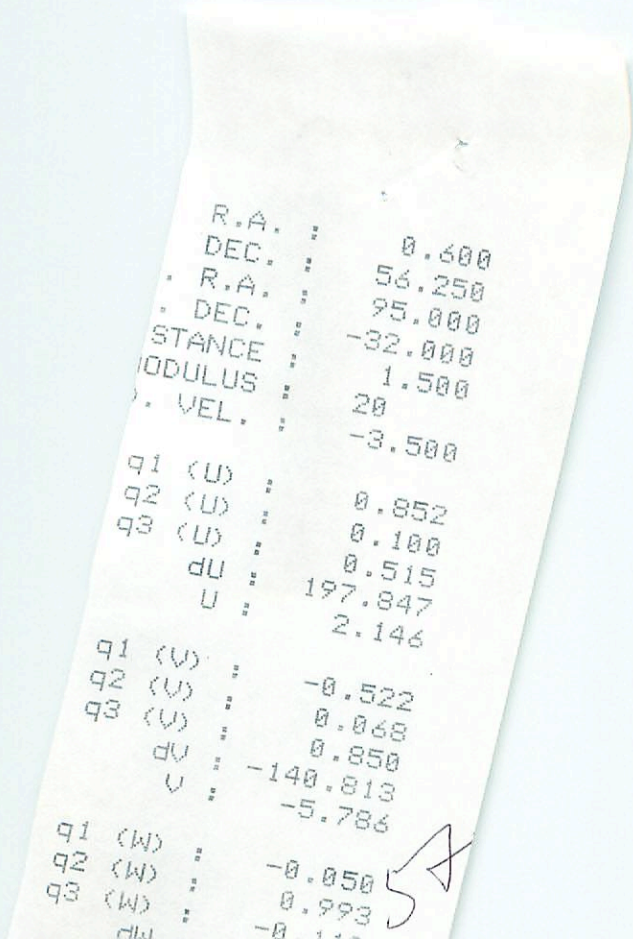
1287 930 355

R.A. :
DEC. : 0.600
. R.A. : 56.250
. DEC. : 95.000
STANCE : -32.000
ODULUS : 1.500
. VEL. : 20
-3.500

q1 (U) :
q2 (U) : 0.852
q3 (U) : 0.100
dU : 0.515
U : 197.847
2.146

q1 (V) :
q2 (V) : -0.522
q3 (V) : 0.068
dV : 0.850
V : -140.818
-5.786

q1 (W) :
q2 (W) : -0.050
q3 (W) : 0.993
dW : -0.


R.A. : 0.600
DEC. : 56.250
. R.A. : 95.000
. DEC. : -32.000
STANCE : 1.500
ODULUS : 20
. VEL. : -3.500
q1 (U) : 0.852
q2 (U) : 0.100
q3 (U) : 0.515
dU : 197.847
U : 2.146
q1 (V) : -0.522
q2 (V) : 0.068
q3 (V) : 0.850
dV : -140.813
V : -5.786
q1 (W) : -0.050
q2 (W) : 0.993
q3 (W) :
54

+30096 +0116±6.5 −019±7.7
+90 −46

3790 0 38.2 +30 50 8.2 dF4 +14c 2L

805

371 11.546 1909.0 +30 50 29.65 1904.3

−476 Carlsberg 87

100 +0115 +040 30.52

11.29 148040 29.5 1929.7

−4 −15

286 29.35

3780 0 38.2 +30 50 dF4 +14 e

8.2 +150 +01[illegible] ?

?

166 986 506 563 +150 +019 +14 010 +7 076

-025-002 145 010 -166 692 +12.1 +12 +2

+1 +48 +12 015

+48 -13 -3

+4 +37 +11 02

+38 -6 -4

5.4 G8 III -4.4 (7) -4.2 (11)

32 And 0 38.4 +39 11 g G5 -5.1 g

-5.1 (5)

-0012 ± 2.6 -004 ± 1.8

HR 175

-014 -004 GC

3817
374 0 38 24.045 1887.7 +34 11 4.27 1897.2

075
.120

+21
4.48

GC 812

1928.2

37 2.85
21.182
1 24.037
38 24.095
24.127
-012
.115

45.5
2 14.55
8 4.08
11 -26
3.82
+18
4.00

5.24 +84 ±0
A

-0013 -004 N30
-0013 -002 GC corr N30

3861 0 38.6 +9 05 6.5 F6 -18.5 8

375 -0091±4.2 -095±3.3 6L

-0090 -097

GL817 0 38 36.609 1902.0 +9 4 56.42 1897.8

437 4.96

37.046 3- 13 8

Gn, 50

36.767 4 57.84 1933.7

+9 +9

776 57.93 6.9

1926.84

37 19.114 56 43.93

17.672 28.3 14.50

36.786 4 58.43 30.3

.627 -26

.813 58.17 32.5

.816 +36

.807 58.53

58.

.791 58.23

-.255 -3.15

151 0 33.6 -23 08

3324 6.05 +0.30+0.06 [illegible]

719

(+163 +261 +708) - Eggen

~~605 168 211 739~~ 2.770 0,1,10,1,10,1,14,7 (2)

169 219 738 2.783 +24

Bul 51

6.04 082 1120 409 +2.40

+13.5 6

(+12 1 strand)

3861 UV 38.4 +9 0 5

6.55 +0.49 +0.01 3 5 49

.327 173 409 2.628 (2) 3,7,7,1

[m] 234

[c] 344

HR 178   0 38.9 +24 21   Am −14.68

3883 (+0073 ± 2.7 / −021 ± 2.4) GC 5.90 +0.235   +100 −021 GC

377

GC 822 0 38 56.530 19043 +24 21 18.27 1898.9 (01)

334   1.07

.196   19.34

+0073 ± 2.7 −021 ± 2.4 GC

+0086 −020 38 24.771   .8 1.13 1943.90

31.737   3 17.63

.508   18.96

56.046   21 18.22

.534   18.54

−017   18.48

.517   1927.85

56.382   (30.7)   18.77

0   −6   1935.0

.459   71   (36.1)

+.263   18.60

−.74

0 1 412 911 +100 −021 −14.6 −009 −6 −050

0 0 100 −009 −043 474 −13.3 −13 0 017

−16 +25 −11

+19 −29 +4

−15 +25 −11 019

+16 −25 +4

R.A. :	0.600
DEC. :	5.750
PM. R.A. :	120.000
PM. DEC. :	-91.000
DISTANCE :	4.520
MODULUS :	80
RAD. VEL. :	30.000

q1 (U) :	0.852
q2 (U) :	0.461
q3 (U) :	0.250
dU :	283.155
U :	30.204

q1 (V) :	-0.522
q2 (V) :	0.699
q3 (V) :	0.489
dV :	-596.918
V :	-33.192

49

q1 (W) :	-0.050
q2 (W) :	0.547
q3 (W) :	-0.836
dW :	-264.298
W :	-46.263

3291 0 33.6 +44 22 7.3 B8 -9.1.6

332 +0025 ± 5.2 +001 ± 3.9 GC
+0026 -004

BC71K

0 33 36.456 1903.4 +44 21 50.11 1899.3
-116 -05
.340 50.06

32 14.92 13 33.8 1927.9
1 21.380 8 16.18
33 36.300 21 49.98 (28.6)
112 -24
.412 49.74
9 +21
-403 49.95
+063 -.11

245