-12°26'18 8 31.9 -12 45 528

8 36.4 -13 5.04

73583

34±2 VV

+253

+27

725PC

627

Yale Zone -.058 +.055

-4 -5

-0.062 +0.050

-052 +044 VVR

9.1: K8 +3.7

2.45

-58 +47 +253

9.43 | 12 054 8.85 0.41

528.000*

8.000*
36.400*
-13.000*
-5.000*
-0.058*
0.047*
2.450*
30.903
25.300

0.303
0.509

22.231

0.155
-0.812

-15.735

-0.098
0.286

4.227

+43°.1844 8 30.8 +43 38 256

8 37.214.1 +43 17.97

−159 −264 A GR3

8:31 −170 −297

−165 −255

45

8.9 K8 +7:

Hls. pl. II 1215 −0.170 −.297

−0.170 −0.297

−258 −319 G (1)

−156 −335

−145 −315

9.30 8.69 +0.405 (2)

−195 −315 2.25 +56.1

256.000*

8.000*
37.200*
43.000*
18.000*
-0.195*
-0.315*
2.250*
28.184
56.100

0.682
0.792

63.655

-1.397
0.030

-37.688

-0.817
0.609

11.150

256 8 37.2 +43 15

+43 0 1844

9.30 +1.08 +0.43 (1) +0.405 (1)

+56.1

		3.600
R.A.	:	43.300
DEC.	:	-227.000
R.A.	:	-295.000
DEC.	:	1.800
STANCE	:	23
DDULUS	:	56.000
VEL.	:	
		-0.601
q1 (U)	:	-0.084
q2 (U)	:	0.795
q3 (U)	:	588.803
qU	:	57.794

R.A. :	8.600
DEC. :	43.300
1. R.A. :	-227.000
1. DEC. :	-295.000
STANCE :	1.800
IODULUS :	23
). VEL. :	56.000
q1 (U) :	-0.601
q2 (U) :	-0.084
q3 (U) :	0.795
dU :	588.803
	57.984

1855

881 8 35.6 +42 13

+42°1922

6 61

73668 8 37.1 +05 57 dG3 78.08

-17.1w(3)

-20.3L(2)

AOS6913 2611 Δm=1 7.24 +0.60+0.08 GIVR

GC11850 (3a) 26

#5697(8a)

~~760 499 244 260~~ (4) dG4 -22.78w(3)

-20.0

72066

+602007(8a)

726 384 178 346 (1) +18 -320

376 180

726 371 169 377 ~~344~~

7.38

72

A +179±4 -317±3

B 160 ±5 -318±5

A +196±8 -324±7 Y

B +203±8 -313±7 Y

9 Δ(28)

21 D(5)

9±5

-46 -27 -10 .035

-50 -32 -9 .030

381

8.46 477267 ~~466~~

+0120 ± 3.6 −317 ± 2.9
+0123 −328

4.181 1892.4
−688
3,493
4.008
23
031

+5 56 4429 1886.7
11.90
1.19
48.73 1936.27
8
48.81

+0107 ± 5.1 −318 ± 5.7
+121 −294
+5 57 5.06 1898.4
11.36
23.42
11.72 1886.27
8
11.90

5.039 1901.3
−521
4,518
4.920
23
4.97 3

-5°2603 8 32.8 -5 58 529

8 35.1 -6 8

8 37.5 29.2 -6 18.15

47

23

6

58 DOCW 8.61

75

6 45

McC-AC +.136 -.156 9.8 MO +8.4

+136 -176

-60

+136 -150 K3

529.000*

8.000*
37.500*
-6.000*
-18.000*
0.136*
-0.150*
1.300*
18.197
-6.000

-0.781
0.575

-17.670

-0.536
-0.738

-5.329

0.153
0.352

0.665

0.613
1.46
-15.7
1.0
0.9

-32°5613 8 35.7 -32 47 +58e Md(3)

+44
+64

11.7: +0.06:

-1.06 +1.31

	P_{ob}	O-C
P_c=76	58	-18

1060 1375

43.4

7135

-542 84/

+24°1981	8	34.5		+24	41		530
	8	40	6.7	+24	20.62		

McC-AC -.094 -.019 10.7: K8 +8.0

+25.1681 8 41.5 +24 59 57.6 ε

+54.7 ⑧ 25p?

+57.9 ⑪

+52.0 ④

−048 −345

9.32 0.31 −0.16 $\frac{5}{+22}$

−53
−345
8
+57.4

Kugler?

2082.0

+42°.1922 (8 21) 8 35.6 +42 13 881

G115-23

W5764 Gh321 8 41.9 56.0 +41 52.47

G 6 12024 59 (40) 8.5583

HD74377 BY32VV A-I (85) 0.0035 -25.9634 Nat

8.08 dir5 1614

G.C -0.281 -0.649

6.6 5 9.7 23

8.7

-0.277 -0.155

G. Wand

-27.2 2 upper

-25.4 mtw

-25.0

287 67

-2

MAG. /VET. : 100 2.000
MOONLIGHT : 2.000
DISTANCE : -322.000
HM. DEC. : -23.000
HM. R.A. : 52.000
DEC. : 8.100
R.A. :

M
MB (M)
MB (M)
DB
DS
DI

DB (C)
DS (C)
DI (C)

U
UB
UB (C)
DB
DS
DI

R.A.	:	
DEC.	:	8.700
PM. R.A.	:	25.000
PM. DEC.	:	-53.000
DISTANCE	:	-345.000
MODULUS	:	
RAD.		

1.50

8.700
41.900
-372.000
-655.000
2.000
25
-25.500
-0.618
-0.054
0.785
979.182
4.591
-0.082
0.997
0.004
-2986.285
-75.119
0.782
0.062
0.620
-1218.589
-45.677

0516
143
1436
1.43
-10
-524
-394
0.21
0.50
1.50
-0.4
-527
-401

+7.2031 8 40.6 +07 02 24

Y 2104 8 43.1 45.7 39.4 +6 51 +6 41.01

W 5800

Ross 682 -25 28 M(7) 7 Y(8) 34 V(10) -23 b 3 W

+235 - 430 285 -471 Gi dmo

+283

+231 -421 +0.224 -0.424 2

-485 b (2) 10.36 +1.29 +1.20

+250 +1060 +258 9.54 +0.60 2

~~McL-H~~

Mc 121.37 +221 -415 998 17 9 63 9.8 mo

W +258

+2

24.000*

8.000*
45.700*
6.000*
41.000*
0.235*
-0.430*
2.850*
37.154
-25.000

-1.533
0.662

-73.523

-1.744
-0.573

-50.497

0.035
0.483

-10.802

+7°2031
CC 489 8 45.8 +04 40 10.3 dM0 -23 63W
5808
10.33 +1.28 Mumford
+221 -415 McZ

+29.26222 8 40.3 +29 33 117

8 46 4.0 +29 12.01

Mc. 120.26 11.0 m0 +8.1

CC490 8 46.2 +34 41 10.0 dm1 +16 2w

5805

-.21 -.52

30±7 M ✓

531 9 47.5 +66 18

+66 0582

9.28 +1.335 +1.225 (2) +0.57 (2)

+0.091 +0.104 G-Ac -209

+66°582 8 39.0 +66 39 531

8 43.2 +66 28

8 47.5 ~~32.6~~ +66 18.00

8.5

43

1.27

30.4 (7) 06W

~~-21.2 10CW~~

4738 1086

-8806 9541

1172

-0757

-5.7

0450

2.50

-0758

-5.4

Green. Ash. +.091 +.108

9.1: Mo +8.7

+0.091 +0.108

1.05

-204

804

777

23

9.28 8.42 +0.57 (2)

+086 +104 ABR

531.000*

8.000*
47.500*
66.000*
18.000*
0.091*
0.108*
1.050*
16.218
-20.900

-0.457
0.686

-21.748

0.436
0.415

-1.599

0.222
0.598

-8.895

-9°2670 8 43.0 -9 16 535

8 47.63 -9 37.21

9.11 373 9.70 1.07 0.82 37 3

McC-AC -.093 -.111 9.3: K8 +7.4

-0.093 -0.111 2.85

+8°2131 8 42.9 +8 24 534

8 48.0 +8 2.77

ADS 7044; d=2", Δm=0.1 mag. 9.08 1.34 1.20 −0.02 (2) ocw

−10.0 (2) ocw

VLT +0.4 VV

McC-AC −.056 −.005

−0.02 +0.04

9.4: Mop +8.7

1912.16	83.6	1.43	2 −
1915.46	90.5	2.07	18 −
1922.29	93.0	2.18	17 −

−10.0 / 1.75

−0.056 −0.005

534.000*

8.000*
48.000*
8.000*
3.000*
-0.056*
-0.005*
1.250*
17.783
-10.000

0.159
0.666

-3.830

-0.002
-0.554

5.492

-0.214
0.501

R.A.	:	8.808
DEC.	:	8.050
R.A.	:	-63.000
DEC.	:	4.000
STANCE	:	0.830
DULUS	:	15
VEL.	:	-10.000

p1 (U)	:	-0.634
p2 (U)	:	0.374
p3 (U)	:	0.666
dU	:	174.867
U	:	-3.799

p1 (V)	:	-0.065
p2 (V)	:	0.830
p3 (V)	:	-0.554
dV	:	34.912
V	:	6.047

p1 (W)	:	0.771
p2 (W)	:	0.374
p3 (W)	:	0.501
dW	:	-220.440
W	:	-8.287

R.A.	:	8.800
DEC.	:	8.050
. R.A.	:	-63.000
. DEC.	:	4.000
STANCE	:	0.830
ODULUS	:	15
. VEL.	:	-10.000
q1 (U)	:	-0.634
q2 (U)	:	0.394
q3 (U)	:	0.666
dU	:	194.867
U	:	-3.799
q1 (V)	:	-0.065
q2 (V)	:	0.830
q3 (V)	:	-0.554
dV	:	34.912
V	:	6.047
q1 (W)	:	0.771
q2 (W)	:	0.394
q3 (W)	:	0.501
dW	:	-220.440
W	:	-8.237

+35°.1890 8 44.7 +35 47 258

8 50.7445 +35 25.54

.9

42118.1

37 M(8)

+52 day

-184 -293 AB123

E.B. Lex -0.203 -.295

-0.156

4933 -2367

8648 -9316

8.9 118 +7.9

8.77

756

44.7 +44.2

(2) UZW

-0.195 -0.294

-289

-294

1.30

-215 ~~-285~~ 44.0

1.75

-225 -248 (2)

206 -295

258.000*

8.000*
50.700*
35.000*
26.000*
-0.215*
-0.285*
1.750*
22.387
44.000

0.588
0.766

46.871

-1.282
-0.110

-33.559

-0.935
0.633

6.934

R.A. : 8.858
DEC. : 35.408
R.A. : -237.000
DEC. : -294.400
PM. R.A. : 1.308
PM. DEC. : 18
DISTANCE : 44.200
MODULUS :
VEL. : -0.542
-0.049

	8.850
R.A. :	35.400
DEC. :	-239.000
PM. R.A. :	-294.000
PM. DEC. :	1.300
DISTANCE :	18
MODULUS :	44.200
VEL.	
	-0.642
	0.049

+71° 482 8 41.6 +71 21 532

Y 2113 8 46.0 +71 11

8 51.164 +70 59.68 179 595 670

ADS 7067; d=4", AB binary
Δm = 0.2 mag.

HD 75632

-4147 -370 W 5547 0.55 5546 4139

91 A (23)
78 M (7)
117 Yk (6)
87 G (8)
86 S (6)
53 U (2)

A +47.563 W

B +47.3 R 3 W

AB 8.06 +1.34 +1.21 N 52 R
8.03 +1.39 +1.28 5 R

8.5: M10 +9.2
+0.089

G.C. 12268 -1.341 -.354
G.C. 12269 -1.353 -.387
upata meas. the brighter. other cases relative parallax is mean pr & comp.

-1.348 -0.370

1531.90	23.9	7.43	42
1867.30	37.9	6.43	5 Δ
1898.17	41.1	5.43	3 DOU
1908.49	45.4	4.78	18 —
1912.44	46.7	4.74	14 —
1921.43	48.7	4.24	35 —

-1.310 -40 G (1)
-1.352 -.362 G2

7.17 +62 R

AB
-1.345 -.375 0.35
+47.4

532.000*

8.000*
51.100*
71.000*
0.000*
-1.345*
-0.375*
0.350*
11.749
47.400

4.813
0.651

87.398

-1.193
0.487

9.091

-4.384
0.582

-23.925

M	:	-58.629
MP	:	-1.1649
B3 (M)	:	0.283
B2 (M)	:	-0.242
B1 (M)	:	0.292
N	:	0.161
MP	:	-1.8211
B3 (N)	:	0.284
B2 (N)	:	0.128
B1 (N)	:	-0.259
U	:	63.545
MP	:	4189.366
B3 (U)	:	0.129
B2 (U)	:	-0.402
B1 (U)	:	-0.245
DAD. NET.	:	24.000
SUPPORTS	:	13
DISTANCE	:	0.220
MW. DEC.	:	-320.000
MW. R.A.	:	-1.4149.000
DEC.	:	14.000
R.A.	:	0.020

R.A.	:	8.850
DEC.	:	71.000
PM. R.A.	:	%-4147.000
PM. DEC.	:	-370.000
DISTANCE	:	0.550
MODULUS	:	13
RAD. VEL.	:	47.900
q1 (U)	:	-0.642
q2 (U)	:	-0.406
q3 (U)	:	0.651
dU	:	4817.395
U	:	93.245
q1 (V)	:	-0.056
q2 (V)	:	0.871
q3 (V)	:	0.487
dV	:	%-1168.927
V	:	8.291
q1 (W)	:	0.765
q2 (W)	:	-0.276
q3 (W)	:	0.582
dW	:	%-4411.091
W	:	-28.956

+5°66-98 8 44.2 +5 28 536

8 49 12.7 +5 6.64

Ross 684 +.05 -.13 10.5: K8 +7.3

ADS7076 F ~~54.0~~ 50.7 +70 D ~~00~~ 59 +424 a

Gl328

0658

-1.349 -354 GAE

-1.347 -370 GC

G 46-9
LPT 616
537

Y 53

+2°2091

9.99 +1.38 +1.21 (3) 9.05 +0.675 (3)

+0.11 -1.08 Li

+11°.1940 8 46.9 +11 42 259

8 52 5.0 +11 20.36

330

048

4568 +1577

Mc C-AC -0.14 -.05 -8897 -9878 10,0 K8 +7.5

+0".038

-0108 -0268

+21°: 1949 | 8 50.2 | +21 6 | 261
Y 2146 | 8 52.8 | +20 56
8 55.739.2 | +20 44.01

Wlaf/324

26 m(8)
57V (12)

W 5-847

-46.1 63W

+64Y -187 A4 ≥ 3 d1.5

-46.6

+64 -170 Y →

+654 -180

1.75 9.1 K8 +75

Ci 20.500 +0.66 -.15

+650 -199 G13

+0.666 -0.163 Y

-1 -9

-2 +1

-82 -2 +1.8

-225 -89 +216

+0°.025

822

656

658

1.75

644
180
1.15
-49.0

660 -180 1.75 -47.0

+0.663 -0.171
+0.664 -0.180 +0.183

654 -180

?

[illegible]
1,90

-88,5

-57,0
[illegible]

+21,8
~~[illegible]~~

+2°.2116	8 51.5	+2 25	262
	8 56 25.5	+2 2.91	

Inc C-AC -0.051 -.067 10.6 MO +8.5

R.A. :
DEC. :
M. R.A. : 8.900
M. DEC. : 20.750
STA

R.A.	:	8.700
DEC.	:	25.000
PM. R.A.	:	-53.000
PM. DEC.	:	-345.000
DISTANCE	:	5.000
MODULUS	:	100
RAD. VEL.	:	57.900

q1 (U)	:	-0.618
q2 (U)	:	0.176
q3 (U)	:	0.766
dU	:	-147.409
U	:	29.633

q1 (V)	:	-0.082
q2 (V)	:	0.955
q3 (V)	:	-0.286
dV	:	-1542.64
V	:	-170.887

q1 (W)	:	0.782
q2 (W)	:	0.299
q3 (W)	:	0.575
dW	:	-565.705
W	:	-23.659

R.A.	:	8.700
DEC.	:	25.000
PM. R.A.	:	-53.000
PM. DEC.	:	-345.000
DISTANCE	:	5.000
MODULUS	:	100
RAD. VEL.	:	57.900

q1 (U)	:	-0.618
q2 (U)	:	0.176
q3 (U)	:	0.766
dU	:	-147.409
U	:	29.633

q1 (V)	:	-0.082
q2 (V)	:	0.955
q3 (V)	:	-0.286
dV	:	%-1542.64
V	:	-170.807

q1 (W)	:	0.782
q2 (W)	:	0.239
q3 (W)	:	0.575
dW	:	-569.705
W	:	-23.659

+082.0

+42°.1922 8 21 8 35.6 +42 13 881

G115-23 8 41.9 56.0 +41 52.47

W5764 Gl 321

G 6 12024 59 (40) 8.55 83 W935

HD74377 M32VV 8 I 35 -25.9 63W Nat

8.08 dim 5 1614

6.6 5

G.C -0.281 -0.649 G 23 8.3 K5—

8.7

+11.9

-372

-655

2.45

-25.1

$\boxed{-0.277 \quad -0.655}$ G+ dwarf

+0.059

-24.2 2 upper

-254 total

-250

287 -674 VV

-235 -647 AG 193

R R-I

8.07 0.35

7.72

1.50