67483 8 5.9 +13 47 2.2 dF3

HR3184
G411047
12 line

6.23 +0.475 +0.01 (1)

.313 .152 .514 (2) SPC 2.635 (3)
323

231

308 +28
45 118
188
+225

51.3 ps. -6.4 +0.3 -6.1 -002 -10.0
-23 -81 -44 -020

-.0025 -0180

-.0018

-035

-.018 -016

3184.000*

3.000*
5.900*
13.000*
47.000*
-3.001*
-3.016*
3.900*
63.256
-13.000

-3.020
3.804

-3.269

-3.056
-3.445

3.505

-3.033
3.394

-5.809

-0027 ± 3.6 -079 ± 2.6
-0025 -075

67224 8 06.0 +58 24 6.0 gK4 +34.3 6

5399 +384 (6)

11050 58.403 1898.3 +58 23 48.19 1898.3

140
.543

(40.8)

4.08
52.27

39.7
(40.8)

55.11
3.505
58.615
-188
58.427
21
448

443
-.100

49.23
-3.04

70.1
-17.55
52.15
-1.92
50.23
22
50.45

1925.0

58.395
33
.428

1947.04

48.74
-20
48.54

48.85
-17
48.68

1945.31

58.432
22
454

HR3181 8 060 +42 37 6.30 g 103

+42.8 (M)

-004-077 GC

+37.9

3181.000*

8.000*
6.000*
42.000*
34.000*
-0.004*
-0.077*
6.000*
158.489

52 Cygni

8 04.1 +44 37 +22 ~~+31.9~~ +23.0 +20 km/sec

-017 -034 A+103

9.5 3.0

~~+22 Infant~~ ~~+342 Infant~~

-0.020 -0.017 +49

-007 -039 Clube +9

-018 -032 A+103+Clu 8.6 -19

~~-012 -036~~ 577

5.4

314

Clube -0.007 -0.039 ±0.006 std error .37

+31.6 -32.1 -47.1

-510	-155	846	+0483	+0125	+0603		~~+27.~~ ~~+16.9~~
-188	980	064	+0178	-0790	-0612		+1.3
839	126	529	-0795	-0102	-0897		+10.6
					295 pc.		

McNamara, D.H. and Feltz, K.A. 1976 PASP 88, 164 A.S.10,46

Barnes, T.G. and Moffett, T.J. 1975

+0169	+0286	+0455	+13.4	+40	+27.0
+0062	-1812	-1750	-51.6	-49	+2.0
-0278	-0233	-0511	-15.1		+16.9

WRONG FILE TYPE

8.100
44.600
-17.000
-36.000
7.250
28.184
23.000

-0.513
-0.154
0.844
55.658
35.109

-0.185
0.981
0.066
-156.717
-42.648

0.838
0.122
0.532
-68.935
-7.203

RT Mon 8 06.3 −10 38 +43c
−10°2356

d/D M

RT Mon
67650

RT Mon 8 06.4 -10 39 +43 C [2w]

HD67650

no m

67587 8 06.9 +35 36 6.6 dec -54.8

5408

11073 +0122.40 -25-4 N30

+0165±3.7 -239±3 Gc → N30

72±6

2092 -243.9 PKC

664 350 161 3700

257

-244

2

-54.8

```
           8.100
R.A. :    35.600
DEC. :   257.000
R.A. :  -244.000
DEC. :     2.000
ANCE :    25
ULUS :   -54.800
```

NGC 8 0ʰ 49 20

	+20.0
−.0129	−0072
+".0061	+0062

} N30

380 ps

519	+946	+124	+0177	+0249	+0426	+16.2	+2.4	+18
−179	+34	−983	+0061	+0010	+0071	+2.7	−19.6	−17
+836	+533	−134	−0285	+0157	−0128	−4.9	−2.6	−8

68074 8 07.2 -49 21 A0 III +25.1 ± 1.7 5(5)
8.26 -12 1.29

13 line

67690 8 07.2 +26 00 6.7 gN3 +5.56

5412

11082

-0010 11 -038 N30

-0011 ± 23 -034 ± 2.0 FL → N30

8.100
26.000
-15.000
-36.000
7.000
251
5.500

-0.513
0.124
0.849
11.678
7.605

-0.185
0.950
-0.250
-150.368
-39.146

0.838
0.285
0.465
-102.249
-23.127

William Obs 91, 37, 1971 45 38 54 5.36

55 Cnc 8 07.9 +68 38 G8 III

HD 67447 -1012 (D) b = +33°

HR 3182 R R-I

5.30 +1.05 +0.80 4.85 +0.335

+03

3217 8 07.8 −43 34 B8 ?

68423

orbit

P=

6.30−006 086 622 2.646

25

6.34 −3 88 636 2.684

87 637

174

811

−00315 −005 5 GL+

−0029 +0013 +30.36

−024

−020 +004

6.2

17

7.95

3205 8 08.1 42 80 40

-0026 ± 6.4 -003 ± 5.3

45.749 1858.3 -0037 +002 12.29 1855.6

134 +16

683 12.13

1528.66

26.130 4728

14.710 24.50

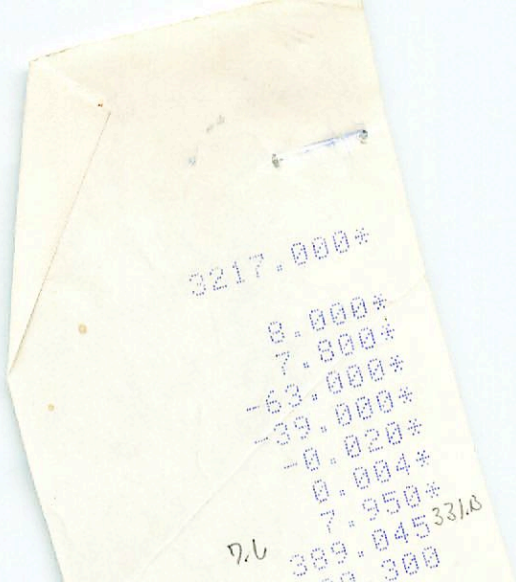
940 11.78

45 060 -30

780 1209

113 +05

5


3217.000*
8.000*
7.800*
-63.000*
-39.000*
-0.020*
0.004*
7.950*
389.045
300

11107 8 08.1 +38 53 6.5 F8 +25.7 6

5420

67827

(3143)

21
-0096 -085 N30

-0084±4.0 -066±3.2 66 → N30

60982 -0723 N_3 50 38 -148

-74

60977 -0765

4

34 8

6392 -6691

7691 -7431

-1140

-115 -074

(420)

494

370 143 242 2608

Hyades?

67827 8 8.1 +38 53 G0

HR3153

GC11107 6.44 +58 +09 3567

.368 .194 .350 (2) SPC 2.608 (4) C+

[M₁] 260 +7 371

[C₁] 314 31/+38 5

4.00 +35.6 -16.8 -16.3 -0090 +25.7

+3 -3 -5 -075

778 525

389 1050

L8434
GC11119 8 08.4 −55 56 +25.063Bm

−0005 +028 GC
+0002 +028

5.8

−516	855	−006	+1134	0
−140	−116	−976	−0154	−24.4
836	505	−215	+0670	−5.4

-0011 ±43 +025 ±3.8
-0010 +030

23.773 1911.4 14.50 1907.8
42 -1.05
.815 15.55

23.520 15.00 1539.8
-33 +10
788 14.90
-027 +.95

68363 8 08.9 −32 14 1538 III

2.20 +1.34 − [illegible]

6.56 +0.505 (2)

6.28 63

5.6
2.05
7.65

+61.7 [illegible]

−022 +040 [illegible] ⇒ F1 Y

−020 +042 [illegible] O6+, +7+6 F1 Y

−021 +041

−019 +043 +6[illegible]

6.0363.000*

8.000*
8.900*
-32.000*
-14.000*
-0.022*
0.040*
7.650*
338.844
61.700

0.203
0.336

89.556

0.073
-0.942

54 -33.450

0.017
0.011

6.602

68363 8 08.9 -32 14 7.20 1.34 K3 III +61.7

GC 11133

-0005 +045 1729

-0024 ± 100 +056 ± 73 6.56 + 0.505

-0040 +24 ± 46

53.345 1902.2 49.43 1899.1 6.8

139 2.85 5.5

53.484 52.28

-0017 +050

-0017 +050 7.55

-0015 042 24.97 1926.49

-0010

54.455

54.005 25.38

53.460 50.35

005 90

445 51.25

+6 +17 +1.20

471 51.08

=.013 2.85

-0145 53.93

-018 +054

68363.000*

8.000*
8.900*
-32.000*
-14.000*
-.016 -0.018*
.044 0.052*
7.550*
323.594
61.700

0.238
0.336

97.683

0.086
-0.942

-30.371

0.065
0.011

21.597

5.6 dF7 -5.7a
6.0 dG2 -11.3 b

ADS 6650   8 09.3 +17 48   -5.7a

3 Cnc   -5.5 (1)
-5.3 (1)

ΔmAB 0.30   +071 -138 H

68257   AB-C 1.02

+0046±1.4   -140 ±1.2 GC → N30

5432

+004±1   -137±0.2 van Hirk → N30

1141

F45 -535 306 962 +071 -135 -5.7 -042 -2 -630

-060 035 -038 022 -389 0 -5.5 +3 -5 0470

-5 -5 -15

-11 -11 -2

-0018 ± 5.4   -014 ± 4.7
-0018   +006

68332   8   09.6   +14   09   6.4   A5   -9.48
5435
11150

34.413   1900.4   +14   9   16.46   1893.8
89   79
.502   17.25

34.414   17.39   1933.3
25   120
439   31.3   17.51   349

10.442   444   44.34   1930.19   31.7
24.000   -058   25.88   37.9
34.442   18.50   17.46
28   -1.28   +.21
.4   17.22
.435   +.19
449   17.41

34.410   16.85   1940.11
27   6
437   16.91

-0003 ± 4.3 000 ± 3.7
-0006 584

HR3226 F 09.7 -42 41 +19.2a

HD65601 -003 000 ac
5-439 44.498 1909.1 -42 50 13.76 1903.4
11155 12 0
.500

14.10 1938.70
44.492 -10
+1 14.10
493 -40

-017

-0032 ± 5.3 -027 ± 3.2 SB(10)
-0030 -030 (+32 e)

68483 8 10.2 +09 44 2A5 2F5 +35.6 B

ADS6659 6".6 7.4 9.3 -048 -027 Bc

68483
5445 9.415 1896.6 +9 43 44.92 1884.5
11166 171 1.77
.586 46.69

9.451 45.17 1933.9
23 120
474 45.19
.12 1.50

?

843-538 168 886 -048-027 +38.6 -005 +6 -128

070 004 026 003 175 142 +38.1 -20 +32 -104

-2 +46 -7 01

〃

-8 +41 -3 015

26

```
  8.150
  9.700
-46.000
-28.000
  5.000
    100
 38.600

 -0.522
  0.358
  0.774
 64.718
 36.341

 -0.176
  0.842
 -0.509
-73.892
-27.042

  0.834
  0.402
  0.377
-232.719
 -8.726
```

5

48.942

Z = -71

AH Vel 8 10.4 -46 80

+26.0

-0011 0000

590 μs.

-527 +840 +130	+0284	0	+16.5	+20	+3.4
-172 +045 -984	+0093	0	+5.5	-20	-25.6
+832 +541 -121	-0448	U	-26.4	-30	-3.1

HR3224 δ 10.7 +23 17 -2 d

W5447 6.4 A3 III -033 -015 GC

68703 8 11.3 +17 50 F0

HR3228
111846G

.174 .221 .812 (2) SPC 2.775 (2)
ct

[m_1] 253
[c_1] 778

70μo. −1.4 +3.2 −2.2 −005 −3.3
+19 +27 −11 +006

7.5 p = 2.19 A0

X Z Pmp 8 11.4 −23 45 ~~24~~ +22.8

BD −23°6977 −049 ±12 −001 ±12 Y

CPD −23°3476 +71.4 Orbit +8 +5

4.5 = 2000 −040 +003 →

−532	723	438	+1009	+0103	+1112	+22.2	+32	+9.6
−167	417	−893	+0317	+0059	+0376	+7.5	−12	−19.6
829	548	097	−1572	+0078	−1494	−25.5	−28	+2.1

840 - 5·12 -404 915 -045 +005 +22 -002 -9 023

035 002 024001 175 123 +20.1 -11 +17

005

68978 8 11.6 -31 35 +48.5 ± 0.8 5,(4)

GC11198 +50.2, 1 St

6.68 +0.61 - G5IV-V Cape

+1961 6.75 +0.61 +0.07 2BS

-3105 78

+87 -22 -43 .020

+68 -23 -22 .030

+51 -34 -20 .04 ←

-341±9 +143±9 Gr

-330 +148 Cape

-335 +143

±12

196 (7)

840-543 -524 852 -335 +143 +48.5 -075 -255 -75

281 063 182 041 1.137 1.161 +413 -22 +35

+34 +91 +3 02

-0267 ± 9.0 +143 ± 8.7

-0256 +151

-258 +143 CP

+87 -23 -44

+10 +20 -9 03

36.555 1899.2 -31 35 7.45 1897.8

1.356

37.911

-7.46

14.91

42.4

8319

32435

55.578

37.213

5

218

12

230

36.397

12

.413

3643

36.822

1.089

39.24 1926.71

-30.40

9.64

-.89

10.53

+.22

10.31

10.3

41.6

43.8

1657

8.28

x6.63

1956.48

06.32

+6

6.26

2548   8h 11.3 −5° 39′ 1950

−5° 2419 −005 −015
−5° 2411 −031 −006
−5° 2447 −023 000
−5° 2436 −004 −018
−5° 2414 −006 0

−013 −008
4 3
−009 −005
−1 −1
−010 −006

p = −26 Trumpler
9 Oterm

−5 (4)
−1 (4)
+4 (3)
+11 (1)

−525 +548 +650
−174 +680 −713
+833 +487 +262

+0254 +0156
+0083 −0193
−0395 −0138

0533

+0098 | +41 −17
−0110 | −11 +18
−0533 | −53 −7

56 Cam

-0016 ±2.9 +004 ±2.4
-0015 +006

HR3221 8 11.6 +60 32 dA7 -15.7 8

65457 6.4 -012 +004 Gc

W5454 -013 +004 Gc(2)

11199 38.549 1885.8 +60 32 1.80 1877.7

103
652

-29
1.51

10m31

-0023 +008

31.566 31.9 1925.3
6.908 28.38
38.214 3.52
.354 1.55
.326 1.57
.5 1.23
1.80

578 -074 49.3

1.84 .33

7027 35.1 57.4

3850 1870
5224 -4882

28.542
38
.580

2.00 1844.97
13
1.87

840-543 870 492 -013 +004 -15.7 003 -14 009

911-003 007-002 062 059 -7.7 +4 -6 01

+10 -4 -13

001

21 70.2 -0005 ± 6.1 -025 ± 6.3 Var
-0013 -020
6846l 8 10.2 +16 40 6.1 gG3 -19.5 b

5443 3822 -9241 -2224 -9749 0214 -0054 0147

11165 9.363 1904.5 +16 39 56.29 1904.4
023 -0009 -0225 1.14
.386 -0098 -0210 57.43

3222

9.349 56.39 1933.7
20 26
369 28.2 56.65

019
3766 -2188 43.998 96 85.05 1931.66 327
-4266 -9757 25.323 -0141 26.90 371 28.3
9.3 31 -013 -019 58.15 5686
1292 -1.30 -.57
-4205 1235 1x 56.85
327 0008 017 .19
348 -012 -017 57.06
.038

8 12.1 -50 03 -7.0a

W5-460
GC11210

7.263 1512.1

0000 ±5.5
+0009

-008 ±5.1
-014

37.00 1509.0
+33
36.67

150

+0004 -011
+0009 -009

+009 -009

7.295
-7
7.287

37.05 1539.30
~3
37.08
-41

-5

-532 843 076
-147 -016 -986
824 536 -149

-0227 -0360
+0071 +0007
+024 +0353 -0230

-0587 -11.1 -0.5 -11.6
-0064 -1.2 +6.9 +5.7
+0123 +2.3 -1.0 +1.3

-0037 +0026

P2, +11

A1 Vel   8 12.4 -44 25   A2-F2

GL 11221

6.4   +0044 +032   +20 c Aal(27)
7.1   150

~~-034 +052~~ A+C

166   +027 +029   +036 ±17 +054 ±17 GC

91   +027 +029   +028 ±4 +016 CR

+019 +034 CP

024 044

+533	+832	+158	-0682	+1144	+0462
-167	+080	-983	-0213	+0110	-0103
+830	+550	-056	+1062	+0756	+1816

+0019 +019

+00205 +021

A+C

+0044 +032

e

+022

+026 +023

+7.7 +4.2   +2.4
-1.7 -0.9   -1.47
+30.1 +16.5   -1.4

+0034 ±5.7 +054 ±8.7
+0032

26.237 1899.9
170
26.067

+0011
+0015

+006
+012

26.166
-15
.151

+084

36.717
49.402
26.119
122
4
26.115

21.97 1897.8
2.82
24.79

23.81 1956.73
-30
24.11
.68

51.35 1927.70
32.22
23.59
77
24.3
+02
24.29

+0034±8.7 +054±8.7
{+0018 | 3 +015 } 3
{+0017 +012

AIVel 8 12.4 -44 25 AV-r2 +20c sd(r)

69213
11221
W5470

26.237 1899.9 -44 25 21.97 +15 1897.8 42.2
-170 -2.82 44.4
26.067 24.79

42.3

26.067
36.717
49.402
26.1 +3
1956.73 122 -2 120

Walker BAN 13

51.35
-32.22 1927.70
23.5
-74
24.31
24.25

+037 +045

+040 ±B +056 ±13 GC
+019 +034 GP

26.166

23.81
-30
26.166 24.11 ←

~~+2 -39 +29 .006~~

+16 -17 +43 .006
+11 -15 +24 .010

164
143
+076

23.81 1956.73
-20
24.01
24.13
+66

~~+032~~ ~~+024~~
8443
+022 +037 GC+
+019 +034 GP
+029 +036

Δα Δδ 838 -546 -700 714 +029 +036 +20 -025 -14 123

$\overset{s}{-.37}$ $\overset{s}{-1.14}$ -024 021 -016 014 -150 024 +14.3 -8 +12 027

1927.70

ρ = 2

$\rho_0(\alpha) = 6.25$

$\rho_0(\delta) = 4.58$

$t_0 = 99.5(\alpha), 97.8(\delta)$

z(α) = .278 z(δ) .299

$\rho_{.25\mu} = 1.90$ (δ and α)

~~Δμ = $\overset{s}{-.006}$ (α)~~

~~Δμ = $\overset{''}{-.026}$ (δ)~~

Δμ = $-.\overset{''}{0}19$ (δ)

= $\overset{s}{-.0008}$ = $-.\overset{''}{0}012$ (α)

-15 +13 -9

| +6 -20 +7 |

-26 +14 -2 01

| +9 -21 +20 |

006

-38 +16 +6

+14 -20 +23

8.20000
-44.40000
36.00000
23.00000
6.00000
4.05 93.3% 158.48
20.000
15.0
-0.532
0.832
0.159
25.911
7.278
+8 6.8
-0.168
0.080
-0.983
-11.759
-21.515
-16 -16.6
0.830
0.549
-0.097
161.058
+D 23.581 5%
24.0

+0006±2.7 -032±2.7
+0008 -014

(8771 8 12.8 +59 21 6.7 g182 -28.56

5472
11237 50.916 1890.2 +59 20 37.61 1887.3

-36
880

46.71
4.358
51.108
-206
50.902
924
50.910
33
943
50.876
27
949

44.3

922
+042

2.01
39.62
71.7
30.68
41.02
1.90
39.12
23
39.35
39.02
-17
38.85
38.58
-20
38.38

1926.6

39.5
52.2

38.86
-0.76

1944.79

1947.06

68375 8 13.3 +75 55 5.7 g 66 +6.78

5474 +7.3 (1)

11246 78A

(ADS 3841) +0090 +020

+0088 ± 1.3 +014 ± 1.6

68371 . 5 13.9 -15 32 gKO +27.8 8

7.3 $-029^{=.11}$ $+014^{.514}$ Y

p.min

834 -552 -267 564 -029 +014 +27.5 -004 -7 062

024 003 016 002 104 090 +26.5 -15 +22

005

+6 +40 +5

$\boxed{+35 \quad -11 \quad -10}$

006

+2 +37 +3

$\boxed{+34 \quad -13 \quad -7}$

Ls

```
    8.200
  -15.550
  -30.000
   14.000
    7.000
     251
   27.800

   -0.532
    0.652
    0.540
  -16.101
   44.186

   -0.168
    0.544
   -0.822
   59.120
   -8.002

    0.830
    0.528
    0.180
  -78.721
  -14.779
```

54

68744
GC11271
W5481
Y1955
+73 0404
B 35-210

8 14.4 +73 30 dG1 +53.01 W(3)

8.50 +0.60 +0.05 GOV R

S=.08

8.64 404 138 346 ⊕ W(+4.2)

+74 -18 +29 .020

-063 -255 GC
-077 -245 GAZ
-090 -252

-10 M(4)
3G(8)
5-D(4)
-2±7

883 -553 959 284 -070 -252 +53.0 -242 +51 -341
+058 202 039134 -360 1.142 +15.1 -8 +13

-31 +87 +29 0155

+87 -32 +27

6874H δ 14.4 +73 30 dG1 +53.0 δw13)

+C11271
+73°406
WS-481

8.50 +0.60 +0.05 GOE
δ=08

-063 -255 GC
-078 MCR

-104(6)
+6(7)
12.9(4)

983 -553 954300 -063 -255 +53.0 -244 +51 -360

052 203 035 135 -354 1.130 9 +13

021

-2 59 14
-14 -30 26
24 -11 14

49 +17
-2
-12 -25 +28
21 -9 +17

-28 +67 +34
+73 -18 +29
-24 +55 +37
+64 -9 +29

026

-G'
240

-Y0225F 8 14.8 -5 13

AOG 6719

6956

$$\begin{array}{rr} -042 & +0224 \\ +4 & +3 \\ \hline -036 & +024 \end{array}$$

[illegible]

+13:
+9:

+0077 ± 2.0 +010 ± 1.8 5.9
+0077 +015

30 Lyns 8 16.8 +57 54 dF2 −14.8 b

HR 3254 +061 +010 Gc
W 55-01 24.617 1893.3 +57 54 3.81 1888 +061 +015 Lw(2)

69548
5501
11338

−436
.181

−41
3.20

39.6
50.9

23.30
1.315
24.615
−144
.421
18
439

46.3

43.0
−37.30
5.70
−1.83
3.87
+19
4.06

1927.0

3.97
+0.77

5.35
+.354

24.537
16
553

4.11
−27
84
3.

1944.47

24.592
.12
614

4.22
−22
4.00

1947.06

828 -560 847 531 +061 +013 -14.8 011 -12.5 033
-051 -009 -034 -006 -213 -204 -7.9 +4.4 -6.5

01