43880 6 15.3 -34 43 K3 III +46.9 5C

FD 877

-34 883

9.07 +1.26 (2.29)

Cape Yale

-021 +045 -0006 -0.060

X

43646 6 15.4 +29 48 +10.7

8078 +0002 ± 8007 -050 ± 75

25.827 2.7 10.22 2.0

37 +12

-00059 -0415 ZC

-00022 -0403

-00049

43646 6 15.4 +29 48 6.9 A0 +11.76

3993
8078

-0004 8 -059 N30
0000 ±8.7 -050 ±7.8

+450523 +0028 ± 8.3 −284 ± 11.3

[redacted] 2 −274 3w

43297 6 15.4 +65 31 8.6 dG3 −16.38

8076 −1240 (T) s

3992 24.695 1908.1 +65 31 23.03 1910.5

BD 49-45 −117 11.22

.578 34.25

24.52 29.0 1929.9

54 −6

.5 4 28.94

+019 −259 GP

+0002 ± 2.8 −012 ± 2.2
−0007 −016

10 Her 6 15.9 +23 27 5 G3 +41.58

43740

4.5

1898.5 +003 −012 G
+002 −014 Y
43740 51.601 1902.9 +23 37 27.93 −010 −015 Z
3997
8092 −009 42 −016 −015
51.592 28 55

51.571 28.01
51.554 26 26.8 24 1933.4
24 .597 1928.04 28.25 29.7
585

20.122 572 60.84 1927.61 31.2
31.410 27.84 −31.32
51.531 −020 2 29.52
27.86 −1.46
531
? 4 27.86 28.06
535 27.21 −.49
28.07

1480

995 -070 400 916 -010 -015 +41.5 -006 +17 -066

⊕10 006 0010 047 053 +38.0 -3 +35

01

+2 +41 +11

+41 -9 -4

008

+3 +42 +9

+41 -10 -5

005

+6 +45 +6

+42 -13 -10

-.007 ± 8.3 -.018 ± 8.0
-.004 -.026 6.5

43947 6 16.8 +16 02 GO +42.58

4010

8117 47.398 1905.7 +16 2 8.28 1905.7

.031
.429

47.404
.29
.433

80
9.08

8.08
20
8.28

1933.4

276

20.977
26.408
47.385
40
.425

.417
-.072

1940.08

42.80
-33.52
9.28
-1.57
7.71
+.21
7.92

1930.40

830
.78
-0.78

333
276

1929.49

47.370
.30
.400

20.978
26.408
47.386
.0
.409

43.87
33.52
10.35
1.57
8.78
3/8.81

8.03
16
8.19

43487 6 16.8 +14 02 GO +42.5 T

W4010 6.5

-014 -016 Z
-010 -016 GC+
-012 -016

987-074 276 961 -012-016 +42.5 -004 +12 -071

+012 004 001/000 055 024 +40.8 -3 +41

+3 +43 +5 01

+89-14-7

+1+43+7 015

4.15 397
70

2269 4 17.2 +14 40 gmO +333 f

44033

5.66 +1.57 +1.95 (3) GC ±3.0
0000 -018

4.70+0.735 (3)

4.96 +74 (6)

−0009 ± 5.1 +004 ± 3.9
0000 +002

44131 6 17.5 −2 55 5.12 gM1 +4720a

4017

8137 29.299 1908.8 −2 55 18.05 1909.4

37
.336

18.05
−17
18.22

14.205
15.125
29.330

333
7
340

335

41.71 1935.36
−35.48
17.19
17.36
−1.36
.55
18.34
18.21

18.28
.06

29.319
17
326

1941.55

1938.31

18.57
+29
18.28

38.4
29.0

3.33
14.84
18.17
18.22
18.39
+5
18.34

59.289
30.052
29.340
−3
336

43905 6 17.7 +53 29 +10.8 -35 F5 IV

HR2264 5.32 +45 +09 1844

GC8151 4.5 days 1.5 Orbit

45 Aur Sp B 1.88 1.83 .284 .171 432 (12) SPC 2.689 (3) C+

-30 26 G c+

[m$_1$] 222 0 +00325 -0575 ±2.0

[c$_1$] 575 174 3.40 +7.6 -21.2 -3.0 +00295 -0549

147

FK5 174 +170 -440 -61 442

-25

+0264

+024-094 -0.5

+0022-084

+1.85

345

ENTER

225.000*

5.000*
17.700*
51.000*
29.000*
3.024*
-3.094*
3.450*
43.978
-3.000

3.166
3.903

7.422

-3.424
3.309

-21.001

3.065

44478   6   19.9   +22   32   +531 (2)

μ [illegible]   P-V

4044
w [illegible]   2.76   +1.55   Eggen   +54.8 a.u.(16)

7 1475   2.97   +1.67   Blanco   M3 III

+22°1304   +00404   -1121   FRY   W(-0.6)

-00008   -6

+00396   -1127

355

+055   -113

11.45   +0.505   10.01

355

7.50

+060   -114   GC

+058   -113   N30

ΨεΑΒ \ +31 \ -22 \ .021

+56   -32   +13   .017

+49   -37   +6   .020

33A(16)
12M(10)
6W(9)

21±5

2205.000*

6.000*
19.900*
22.000*
32.000*
0.052*
-0.113*
4.050*
64.565
54.000

-0.097
0.983

47.604

-0.581
-0.169

-46.721

9

-0.034
0.073

1.79

45 Amr

HR 2264 6 17.7 +53 29 dFY -0.5 ~

Sp. O. ρ = +0036 ± 2.5 -096 ± 1.8 / +0029 -099 / +0024 -095

W 4021 43905 / 4021 / 8151 5.36 +0.43 +0.12 +032 -096 GC

F5 III +020 -095 F

43905 42.510 1899.9 +58 28 38.27 1898.6 +028 -095 (w/2)

+028 -095

4021

8151

0265 -097

40.58 39.5 74.7 1925.7 02619 -0945

0234

021 -094

42.444 1945.52

38.75

38.48

42.434 38.48 1947.01

38.46

40.8

1 0 804 SSE +028 -095 -0.5 -076 -0.4 -270

-028 076 00 -133 340 -0.3 0 -0.3

-13.3 +36.0 -27.4 0 10

017

W4035 6 18.8 +02 18 6.2 A5 -26 d

HD 44333 5V

GL815 -026 -021 Y -28.0 (1)

HR2280 -024 -021 -0011 ±3.4 -026 ±3.4

-0020

49.476 1912.2 35.78 1509.4

642 1.04

.518 34.84

49.435 35.52 1537.05

34 24

46.9 35.78

-049 1.06

-0020 -023

-143 +453 +480 | +0135 -0494 | -0359 -3.6

-452 +761 -465 | +0428 -0829 | -0401 -4.0 74μm.

+881 +464 -096 | -0835 -0506 | -1341 -13.4 -2.7 -22.8

33 -3.0 +12.1

-2.9 +2.4

ADS 4990 9.8 / 10.7 5 0.8 → 122" from μ M3 III

μ Gem 6 19.9 +22 32 gM3 +54.8a

HR2286

44478
4046
8208

97
2.89 +1.6 [illegible] [illegible]

wB -13

106

+0042 -113 N30
+0041 ±0.7 -113 ±0.6
GC→N30

+056 -112 FK3
+060 -114 GC
+060 -113 N30
+059 -113
059
059 -113

+50 -33 +5 026
+43 -51 +2 016

~~449~~ -384 454891 +059-113 +54.8 -051 +25 -453

-054 047 -023 020 -351 114 +48.8 -19 +45 16

-39 +52 -5

+41 -43 +23

26

-33 +49 +6

+40 -33 +24

-3.8 14.4 -4.2 -44 +53 -9 014

-21.3 -23.7 -6.8 +38.8 -51.8 -25.5

38.3 -86 -4.2

BVL46 ✓ 6 20 18 -54 32 10.2 A2

-54° 1026   10.02   d   ✓ μ = -.035 +.049

9-10 0.795 A 2

9.66 +0.37 +0.11 ~~265qf47~~

(1)

-54° 1021   6 20 00 -54 25.5 9.9 F2

✓ μ = -.024 +033

(1)

9.79 +0.40 -0.10 265qf47

-0007 ± 5.9 -034 ± 5.5 +33.5 b
+0002 -031

45018 6 21.9 -25 33 5.7 gR5

4073

8267 53.952 1911.0 -25 32 57.30 1909.5

027 +1.38

.979 55.92

53.022 9.61 1934.82
.925 45.40
53.947 55.21 35.68
5 1.10 (26.1)
952 (24.4) 55.31
18 983 +24
970 +004 55.07

53.973 57.28 1938.82
7 25
980 1933.15 57.03 56.72

53.983 57.30 -0.80
15 +24 57.06
998

HR2320 6 22.0 -56 21 Am +6.78

45229
4075
8274

5.60 ±0.25

10

-0044 -028 N30

-0041 -026 ±3.6 GC → N30
±4.1

-040 -028 GC
-037 -028 N30
-038 -028

020

$95 -097

~~832 554~~ -832 554 -038 -026 +6.7 023 -6 -076

038 -023 004 002 190 090 0 +3 020

+19 -1 -10

~~-5 -3 -14~~

5 4 13

70 55 22 10° Z = -49

T Mon 6 22.5 +7 07 +32.5

+0002 -0.012

1090 Pa

-152	+873	+915	-0021	+0212	-0233	-25.4	+4	+29.7
-446	+800	-400	-0063	+0455	-0518	-56.4	-69	-13.0
+882	+459	-045	+0124	-0261	-0137	-14.9	-16	-1.5

5-3yrs

44708 6 22.5 +58 27 5.5 gK5 -2.86

124 III

4081
8287

M.2 (B)

28

AD55036 -0005 -002 N30

-0004 ± 2.4 -010 ± 1.7

10m 31"

8m.5 96"

BL Aur 6 22.6 +14 45 +6.7 ① +13 8.5-9.7 N 8 1

HR 2308 +13.0 b

243			243		
9092	6.06 +2.40 –		8420	5.99 +2.30 – 4.65	+0.98
095	6.09 +2.38 –		460	6.17 +2.34 – 4.71	+0.96
096	6.14 +2.38 –		470	6.28 +2.33 – 4.83	+0.91
118	6.16 +2.38 –				
125	6.19 +2.35 –		mean		
132		4.86 +1.09	R = 4.60		4.4 8 8
154		4.81 +1.09	R-I +0.96		4.2
165	6.27 +2.34 –				1.5 6
177	6.28 +2.36 –				2 8
199		4.83 +1.07	R-I 9.00		33 7
214		4.84 +1.14	+5 -27 +1		6 2
230	6.26 +2.56 –				

+0005 -009 [illegible] +13.06

-2 +2

+0003 -007

+004

9.00

638 m.

↓

-152	244	958	-0029	-0081	-0110		+5.4	+12.4
-446	847	-286	-0084	-0281	-0365		-27.0	-3.7
851	471	020	+0167	-0156	+0011		+1.0	+0.3

HD2313 6 22.7 -00 55

45067

-0.1287 356 170 355 2608

508 360 165 400 (M)

355 165 (400)

508 360 150 419

HD 334 +3.50

14 Gem

−0004 ± 2.8 −0004
−016 ± 2.1 −018

44974 6 22.7 +21 40 6.4 g66 −23.66

4088

8296 42.665 1503.0 +21 40 28.27 1898.9

019
.684

82
29.09

42.6415
26
.671

31.0

28.24 1935.1
24
28.48

12.585
30.050
42.635
4
639
39
678
6

674
−0.10

34.0
35.1

76.43
46.30
30.13 1927.74
−1.63
28.50
21
28.71

28.47
−0.62

42.434
39
673

28.24 1935.02
−3
28.21

-58662

2336 6 23.0 - 58 30 6.48

45450

+0005 ±5.5 +017 ±5.2

+012

+015

61830 1.738 873 0000 +0012 +016 5-722 54.5

-26
712

-54
58.16

(4)

2sp 35.133 2232 7.59 +222.8

Varied 22.565 55.45 05p

1.698 577

2

+0006 +0155 40

- 5784

656 +00097 +0174 +8

-11 +0076 5776

589 +012 +010

69.90

1.800 56.71 1.910 466 56.90

-3 -8 +3 -49

800 5676 913 57.39

+15,76
7L

HR 2352 6 23.1 -69 57 5.55 +1.5/

GC 8310
W 4094

+0037 ± 3.7 +025 ± 3.4
+0046 +022

6.659 1904.1 24.42 1899.7
-170 -1.26
.329 25.68

+0041 +023
+0051 +022

6.728 24.69 1938.6
-41 -12
+026 +022
.687 24.81 +13.1 -2.5
+158 + 87 -12.1

-0186 +1016 | 1830
-0550 -0220 | -0770
+1087 +0064 | +1150

-152 974 -140
-446 -211 -870
882 061 -468

+12.4 -2.5 | +10
-11.5 -13.6 | -2.5
+17.2 -7.4 | +10

45194
G48327 ∆ 113.P

+037 −1064

6 238 +13 08 −6 e 5∆

+0017 ±7.5 −10337.5

~~5012~~ 50.010 1904.20 +0009 −099 59.49 19023
077
49.933 +0013 −101 4.91
+0011 −100 04.40
+016

49.927 1.10 1583.4
23 +20
.950 1.30 3.10

49.550 942 5.1 1540.1
75 +029
975 36.75

+016 -160 √6.0

-162	278	947	-0120	-1317	-1437	-5.7
-441	938	-321	-0326	-3972	-4298	+1.9
883	469	013	+0652	-2223	-1571	0

H2 P2

AG Ann 6 23.8 +47 04 +1958 (w/6)

11.0 var med.

+076 -051 Precp.

45320 . 6 24.1 −1 29 A7IIp +10 5 Sta Var

58.6 +08 +08

−0001 −030 N30
−0002 −036 OL
−0001 −033

+0002 ±0.5 −062 ±6.4
+0007 −062

45192 6 24.3 +32 36 6.4 KO +57.26
8342
4108

19.341 1904.3 +32 35 43.40 19033
−004 2.90
33[2] 46.30
(3319)

+00045 −062
+00018 −062

41.28 36.0 1925.7
35088 45.52 554
19.368 46.48 27.8
−9 178 27.3
359 349 0023 44.70 4478
9
368 +017 002 −060 44.15 1.52
88

4344 000
8980 −1.000
0143 19.30 0000 −0.55 44.1 1930.0
29 44.7
4.24 329 44.69

Sw Mon 6 24.4 +5 24 +39 R

7.4 1.47
7.02
5.12 10.47
5.35

-0001 +005
-0004 +0055
-006

-0003 +004 Tot
-1 0
-006

-004 +006

-162	399	903	+0046	+0076	+0132	+35.2
-441	789	-427	+0125	+0150	+0275	-16.6
883	467	-048	-0251	+0088	-0163	-0.6

10.47

E=+16:

Sw Mon 9.05 +1.86 +1.92 -3.75 +45 +5 -13 -6: +35.0 112±
— 7.25 +1.43 9.6 +1 +3 -2 +4: M4II -3°

SW 205.5 -3.0

43526	202.7	-4.4	6.56	-14	-50	B8	+03	7.15
44458	202.0	-3.6	883	-08	-59	B2.5E	+12	9.65
44700	206.4	-4.5	6.70	-16	-62	B3E	+03	7.40
44783	201.9	-2.0	6.25	-08	-30	A0	+04	6.05
256577	202.4	-2.2	9.48	+13	-75	B2E		
45137	208.0	-4.6	6.50	-03	-06	B9	00	5.6
46106	206.2	-2.1	7.52	+14	-74	B1E	+40	9.70
259135	206.4	-2.1	6.57	+18	-70			

0.000*

15 Gem

-0024 ± 1.9   -050 ± 1.6
-0021   -045

45352   6   24.8   +20   49   6.6   g R2   -3

4115

8359   47.737   1892.5   +20   49   18.66

138
.875

AD55080

3.12
21.78

9th 28th Aphelion?   47.753
24
779

2366
789
.086

47.744
34
778

47.780
24
809

41.8

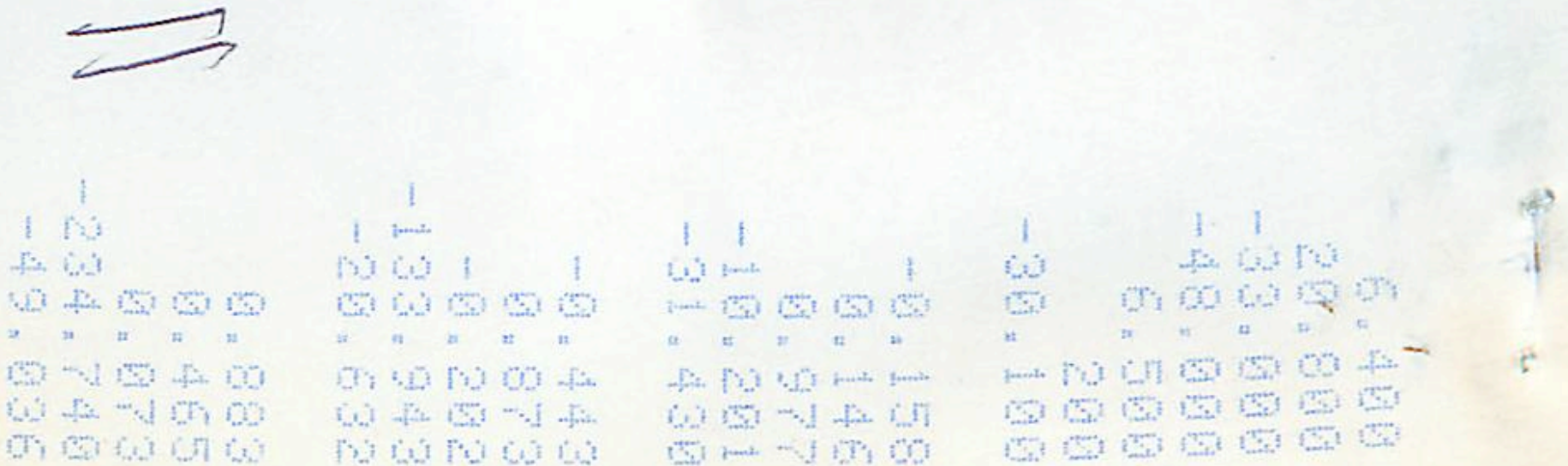
19.24   1934.7
24
19.48

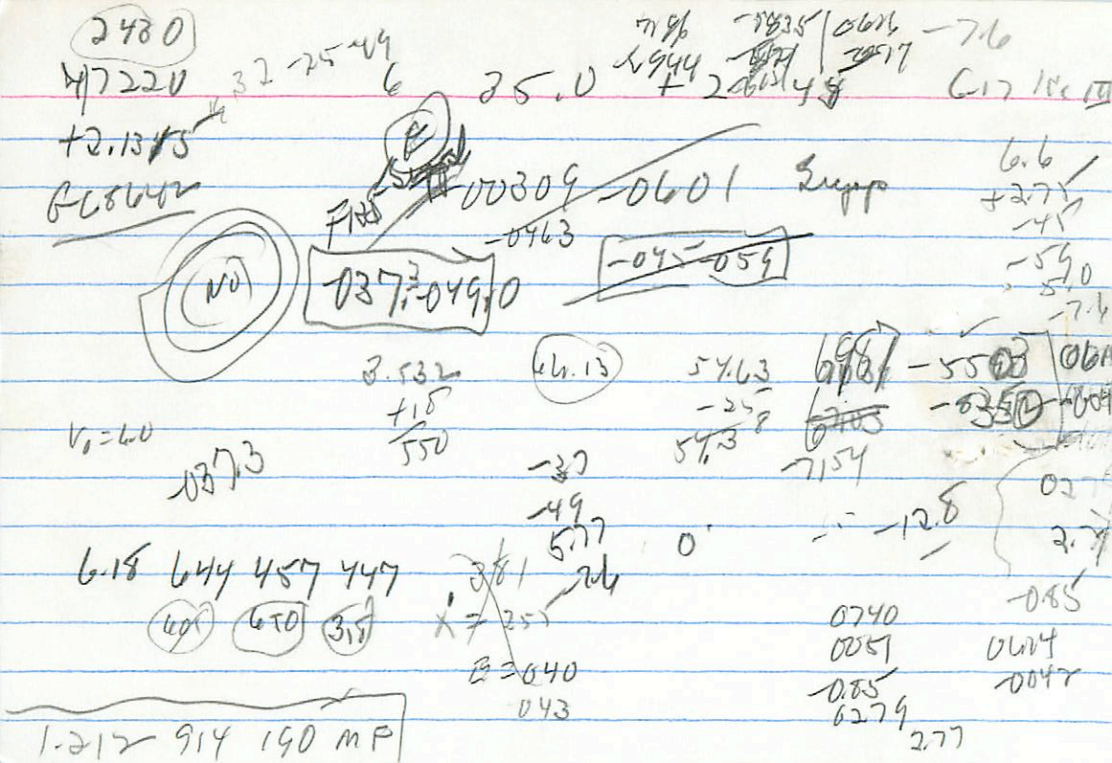
+20

19.60   1940.22
+2
19.62

19.90   1928.04
0
19.67
-2.1

102.96
34.3
46.8





12

16 Ham

−0021 ±2.6 +004 ±2.4
−0019 +012

45354 6 25.0 +20 32 6.1 A0 +89.3

4117

8365 58.234 1901.7 +20 31 41.08 1897.3

101

58.335

58.251

26

277

28.978

29.272

58.250

254

39

293

274

−.059

31.0

58.217

34

58.251

58.242

29

.281

− 21

40.87

40.83 1934.4

24

41.07

32.7#

35.1#

94.25 1928.11

51.25

40.00

−1.61

41.39

+21

41.60

41.89 1940.34

+2

41.91

41.31

+0.44

1928.04

41.34

+2

41.34

45427 6 25.4 +27 40 · -51.3 22) D(5)

+27°1117 8.8 K1III

+014 -037 Y

994 -110 465 885 +014 -037 -513 -017 -24 -156
22
-014 017 -001 002 -056 056 -45.4 +5 -45
-6 -34 -46 007

```
  6.400
 27.700
 16.000
-37.000
  7.500
    316
-51.300

 -0.158
  0.028
  0.987
-15.493
-55.536

 -0.443
  0.891
 -0.096
-186.075
 -53.916

  0.883
  0.452
  0.128
-20.079
-12.933
```

13

2353
45480
6c8877

6 25-4 -37 52 6-48 -85

-0012 +038 stay

-00117 +0384

-0136

-010 +034

6993 - 0372 0343
7148 9993 0005
6492
0054
6-16

61.2408 2 = 170 pr.

RT Aur 6 25.4 +30 32 +21.0

+0003 -011 FR

450 pr

-163	-020	+486	-0030	+0010	-0020	-0.9	+20	+20.7
-440	+894	-054	-0081	-0467	-0548	-24.7	-26	-1.1
+883	+443	+155	+0162	-0231	-0069	-3.1	0	+3.2

23yr 06 25.5 +10 20 -20.3
-040 -0.0
455lr +0019 ±6.0 -041 ±4.6

580 32.437 8.0+0002 13.51 94.7
-89 +0003 2.14
848 15.70

+00025 -041 73.15
+00010 -0347 32.433 12.71
+0015 28 -10
+002-040 961 12.61 6.4
62.0 +10.33
32.440 12.88 +2
1.228 1.009 0.290 mF 28 -10 -40
968 12.88 5.95
-20.3

14 96
14.6
25

HR2339 6 25.8 +27 00 6.5 -6.8.6

45504 345 164 3932.609
+47.1172

+121 -065
+119 -067 →

-10.5
-18.6
+12.0

36.3pa.

-162 040 986	-0914	-0127	-1041	-3.8	-6.7
-441 891 -109	-2488	-2830	-5318	-19.3	+0.7
883 452 126	+4981	-1435	+3546	+12.9	-0.9

-120

ℓ_0 280 +3.84
18

45541 6 26.2 +29 31 A23 +43.7 1

8.0 -004 -027

989-1.17 492 870 -004 -027 +43.7 -013 +22 -109

004 013 001 002 009 066 +35 -6 +38

-5 +45 +11 01

+45 -14 +2

-6 +41 +17 02

-5 +51 0 005

+45 -24 -4

+45 -19 -1 0025

45984 6 26.3 -57 58 180 +12.76

4134

8406 -0005 -014 N30

-0019±3.9 -017±3.6 QC→N30

-11.3 [illegible] Bumbles

HD 46407 4'3 3 7 63 8 6 28.1 -11 06 -"009 000 Bc →

004

474

.0023 6

007.68 .0426 6

007 .0142 ×3

6.28 +1.10 (2.09) [illegible]

1.5

37

100

-180	+638	-748	+0077	+0.8	8.4	-7.6	
-430	+633	-644	+0183	+1.8	+7.2	+9.0	
+885	+438	-160	-0378	-3.8	+5.0	+1.2	

Cowling

-0009 +0003 27

003

-013 +003

```
R.A.  :    6.458
DEC.  :  -11.100
P.A.  :  -13.000
DEC.  :    3.000
DISTANCE :  6.000
MODULUS  :  158
VEL.  :  -11.300

dp (U) :  -0.167
d2 (U) :   0.440
d3 (U) :   0.250
du     :  12.324
U      :  -5.407

dp (V) :  -0.436
d2 (V) :   0.633
d3 (V) :  -0.639
dV     :  35.374
V      :  12.831

dp (W) :   0.884
d2 (W) :   0.435
d3 (W) :  -0.172
dW     : -47.243
W      :  -5.664
```

R.A. :	6.450
DEC. :	-11.100
PM. R.A. :	-13.000
PM. DEC. :	3.000
DISTANCE :	6.000
MODULUS :	158
RAD. VEL. :	-11.300

q1 (U) :	-0.169
q2 (U) :	0.640
q3 (U) :	0.750
dU :	19.324
U :	-5.409

q1 (V) :	-0.436
q2 (V) :	0.633
q3 (V) :	-0.639
dV :	35.394
V :	12.831

q1 (W) :	0.884
q2 (W) :	0.435
q3 (W) :	-0.172
dW :	-47.248
W :	-5.544

15

46114 6 28.5 -17 53 dG4 +1.38w(3)

GC8456 G8 4

w4161 7.70 +0.80 +0.42 Egg(2)18" 043

Y,516 δ=.01

-17°.515 7.72 +0.82 +1.84 Eboy

u-Bc

Vo 249 .234 301 7.92 094 765 245 ① -167 -217 GC

242

-35 -25 -56 .02 -175±14 -207±10 Y

-36 -27 -77 .015 +5.13 -171 -212

87

δ 209 δ -0109 -.209

+13

-3±12 C(7)

-0117±15.0 -217±11.3
-0105 -203

27.705 1504.4 -17 53 0.63 1540.6

534
28.238
1.394
26.453
27.849
+1
20
870
27.894
215
.91

1785
892
-346

33.0

10.73
49.91
33.79 1541.68
2445
8.24
-14
11
58.32
56.35
-10
56.45
1932.07

1477
57.38
-7.47
36.8

4175
37.4

SB (50)

HR2384 6 28.6 −50 12 ②

45.7m −0.057 −0.061 → Stug 4

−0.055 −0.058 +2 .4

−180	967	180	+0464	−2658	−2189	−10.0	−.4	−18
−430	087	−900	+1121	−0239	+0882	+4.0	−.2	+2
885	240	−400	−2307	−0660	−2967	−13.5		−15

HR 2384   6   28.8   −50   12   −0057 −061 Stay
−055

+2 SB

613 813   3.00

AB   5.38 +0.355 +0.005 (5) ρ = 50 μm Egg —

75 913 56.8 (245)   913

CD   8.38 +0.765 +0.35 (5)   +5.08   340 $\pi_{\rm rel}$ 021

	P	T_0	e	A	B	F	G	a	L	$a^3/p^2 \times 10^6$
I	96.86	1901.48	0.25	+230	−434	+406	+185	0.500	27.3	13.22
II	102.24	1902.512	0.27	+223	−395	+380	+262	+0.480	16.1	10.60
III	91.28	1899.65	0.27	+150	−455	+454	+048	0.516	36.6	16.49

204 (8)

$\pi_{\rm rel}$ 021 $m_1 + m_2$ = 1.62 $m_1 = m_2$ = 0.81

π^3 =   1.30   0.65

2.00   1.00

n   v   w

(−11   +2   −15)

					I		II		III	
1894.40	205	0.30	1	BL	+2.5	-0.06	+0.3	-0.07	+5.9	-0.02
1903.22	258	0.40	2	I	-6.7	+0.03	-8.5	+0.05	-12.1	+0.02
1922.19	39	0.46	3	Daw	-1.4	+0.02	-4.8	+0.01	0.0	+0.02
1923.00	43	0.46	3	Daw	-0.6	+0.01	-3.8	0.00	+0.8	+0.01
1926.22	53	0.48	2	B	-2.7	0.00	-4.9	0.00	-1.7	+0.01
1929.30	66	0.53	7	V	0.0	+0.03	-1.5	+0.03	+0.5	+0.04
1933.03	76.5	0.54	8	B	-0.7	0.00	-1.4	+0.01	-0.8	+0.02
1936.08	87.5	0.56	8	B	+2.1	0.00	+1.8	+0.01	+1.5	+0.01
1938.14	91.0	0.54	4	B	+0.3	-0.03	0.0	-0.02	-0.6	-0.02
1942.88	102.0	0.56	4	B	+0.4	-0.04	+0.5	-0.03	-0.8	-0.04
1949.08	115.0	0.62	4	B	0.0	0.00	+0.4	+0.02	-1.3	0.00
1960.11	138.0	0.61	3	B	+0.2	0.00	+1.0	+0.01	-1.1	0.00
1964.86	146.0	0.57	4	B	-2.4	-0.01	-1.1	-0.02	-4.0	0.00

19 Gem

-0008 ± 2.5 -019 ± 2.3

-0003 -018

46031 6 28.7 +15 56 6.4 A5m +20.96

4168

8462 44.830 1900.2 +15 54 24.60 1895.2

040 10

870 25.70

44.826 24.78 1934.1

29 20

855 17.6 24.98 1127.9

44.828 859 24.96 1938.60 34.3

24 +6

.852 -011 (34.1) 25.02 (39.1)

44.841 24.84 1940.09

30 16

871 25.02 25.01

-0.09

-0017 ±2.5 -021 ±2.4
-0017 -023

WW Am 6 29.2 +32 30 -9.4 a

1+R 23720 46052 2449.2 -0017 -023 -022 -021 GC
8474
4178 -00195 -021
-0247 -026 -020 -024 -024 Gm (2)

11.469 1904.1 +32 29 32.47 -023 -023
.078 1.01 1901.8
.547 33.68 8.7 (45)
33.54 35.1 1924.7
37958 499 (28.0) -.10 4426
11.498 -048 35.0 32.1
487 .77 32.92 (30.3)
494 33.18 -.76
33.41
11.459 32.54 1939.56
43 -11
.507 32.43

992 -126 537 843 -023 -023 -9.4 -012 -5.0 -050

023 012 003 002 -055 -071 -7.9 +1.0 -7.8 01

+10.9 -0.8 -14.0

+6.5 -4.9 -15.8

6 20 +6 51

4612V 6 29.1 +6 49 −8

+6.276

−032 −042 AC123

~~−053 −028Y~~

−056 −031Y

−058 −030

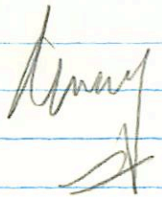
−045 −031

−45

−36

43

−8.0

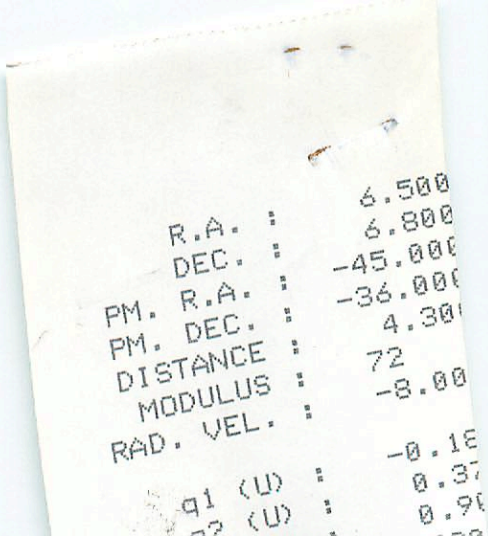


-13.4

-7.6

16

R.A. :
DEC. :
PM. R.A. :
PM. DEC. :
DISTANCE :
MODULUS :
RAD. VEL. :


R.A. : 6.500
DEC. : 6.800
PM. R.A. : -45.000
PM. DEC. : -36.000
DISTANCE : 4.30
MODULUS : 72
RAD. VEL. : -8.00
-0.1
0.3
0.9

ADS 5166 +0027 ± 2.0 +028 ± 1.8 −0.3 +7.1

+0027 +023

46136 6 29.4 +17 49 7.2 dF6 +0.41

4185 352 165 443 2.626 20" 8.1 dF6 (+2c)

271 160 589 2.677

8482 23.447 1906.0 +17 49 17.00 1901.3

119 1.36

.328 15.64

20 yr

+0027 +0255

23.382 +00255 +0271 16.34 1935.1

1214 +0364 20

29

411 16.54

405 +037 +026 18.50

55.846 +077 −92 1927.65 10.185

27.490 17.58 34.0

27.336 47.717 24.89 +58 32.7

−4 39.3 −28.12 16.00 11.4

332 22.710 21 16.38

39 28.0 16.21 +0.74

371

39

23.403 26 16.31 1939.10

29 +8

432 16.39

(B) GC8481

+0032 ± 3.6 +031 ± 3.4
+0031 +022

22.749 1899.2 +17 48 59.87 1895.6

162
.587

59.18
1.69

55.144
27.440
22.634
-4
630
39
669

700
+.113

359

1.18
-92
60.26
-1.58
58.68
21
58.84

1928.50

59.06
+0.88

35.1
35.5

22.667
29
.696

47.717
34.993
22.710
-1
709

1938.14
84.34
25.12
59.27
-25
59.02

58.97
12
59.09
59.03
20
59.23

1939.10

1934.80

22.494
29
.523

```
   6.500
  17.800
  45.000
 266.000
   4.000
      63
   0.400

  -0.180
   0.199
   0.963
 -12.155
  -0.382

  -0.430
   0.865
  -0.259
  19.340
   1.117

   0.888
   0.461
   0.071
 236.456
  14.948
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17