78479
GC 12625
W 5990
78 Cne

9 06.2 +17 40 gK4 +76.5 W(3)

7.19 +1.21 +1.33 K3 III R W(+0.3)

6.73 +0.42 (2)

635
597 (6.95)

+81 -87 -17 .003 -043 -038 GL

+75 -23 -1 .004 -0081 -0865

+69 -63 +10 .005

+66 -60 +17 .006

-044

-043 -033

34623

14.253
151
404

14.301
151
315

14.292
+2
313

-04

+1
14.1
24.65
-1.45

343
40.3

25

78479.000*

9.000*
6.200*
17.000*
40.000*
-0.043*
-0.033*
6.950*
245.471
76.500

0.093
0.672

74.174

-0.140
-0.410

-65.785

-0.194
0.616

-0.549

25

H5

SO(164)

-26°7177 9 06.9 -30 12 -59 c L(7)

HD78753 9.6

9.44 +0.16 +1.58 2 Ess

S = 0 -004 ±11 -013 ±11 Y

899 9 06.4 −25 38 +36.1(4) L5

7863 +035

6.75 ~~65~~ 166 385 ⊙

6.77 457 (1.66) 61 ± 357 168

GC12633

42184 475 +60

2.00 40 330

39 L(6)

−0248 ± 5.7 −020 ± 4.7

−0241 −009

26.114 1896.7 10.83 1891.1

1.337 1.18

27451 9.65

−0244 −015

−1 −1

20.725 −0243 −014 6.57 1933.56

5.800 −2.52

26.525 −1.324 9.39

534 −81 −.37

13 −20

547 10.20

+18

−.904 10.02

210

9.100
-25.650
-367.000
-15.000
2.000
25
36.100

-0.679
0.675
0.288
1017.089
35.961

-0.013
0.382
-0.924
-7.568
-33.545

0.734
0.631
0.251
-1135.683
-20.965

26

78585 q 070 +25 27 7.40 gm7e

WCnc

+12502053a

6002

74091 9 08 24 -51 53 622 HOH II

-51 0 255

GU2668

-0106 +057 Sky

-01023 +054b

-0547

-091 +058

79060 9 08.6 -26 38 G8 IV -13.9 C4

F0900

7.50 +0.92 (1.44)

-018 +034 CP

+1 0

-017 +034

74011 9 089 +00 30 678 00
+0°2477
0012600

11.8 3"

+0012 ±4.8 −039 ±4.6

−026

55.215 57.0 +0012
−64
151

+0006

45.N 54.7
2.14
50.24

+9 −28

55.202
~~−029~~ −124
~~193~~ 224

61.4

48.61
−1
48.60

24.364
30.816
55.185
−183
−9
174

41.72

16.13
−26.83
42.96
15
43.11
−27
43.38

78633 9 09.2 +71 52 6.5 G-8 +5.78

12687

6012

-0047 ~~40~~ -052 N30

+0023 ±5.7 -052

-0012 +3 -050

-0027 -0284

F125 A3

-00501 -0522 F124 Suppl

-0233

-026 -049

03

9400 6517 0468

3377 -7124 0720

3403

78633.000*

9.000*
9.206*
71.000*
52.000*
-0.005*
-0.050*
5.000*
100.000
5.700

0.189
0.628

13.865

-0.205
0.500

-17.670

0.064
0.596

9.764

27

27

79248 9 10.8 +21 29 6.1 A0 +8.86

12722 20 -7.8 (1) Va

6028 -0008 -019 N30

HR 3657 -0012 ±2.2 -013 ±2.0 BL → N30

79842 9 115 +38 48 +360

692 +87 07

0114 +078

133 +078

171
78
7
+360

28

```
      R.A. :    9.200
      DEC. :   38.800
   M. R.A. : -171.000
   M. DEC. :   78.000
  ISTANCE :    4.000
  MODULUS :   63
AD. VEL. :   36.000

  q1 (U) :   -0.693
  q2 (U) :    0.042
  q3 (U) :    0.719
      dU :  453.585
       U :   54.515

  q1 (V) :    0.005
  q2 (V) :    0.999
  q3 (V) :   -0.054
      dV :  366.046
       V :   21.165

  q1 (W) :    0.721
  q2 (W) :    0.034
  q3 (W) :    0.693
      dW : -442.715
       W :   -3.000
```

28

75028 9 10.4 +61 38 dT9

HR3648

CL2713 SB16d 5.17 +59

5.19 +60 +095 2849

.396 .182 .377 ② SPC 2607 ③

14 UMa .048 L341 L4 L28 12 37.4 185 (259)

[m] 251 dM18 3 5475

[c] 298 1.60 -8.8 -7.7 -83 -19 -35 125

+33 -142 +39

-00104 -0357 W3 58 -0380

-140

-0074 -0091 $\boxed{-009 -035}$

162 ma

79028 9 10.4 +61 38 5.2 dF9 -14.0 a

12713

6024

d +0001 34 -032 N30

SP.B.P = 16 +0003 ±1.8 -035 ±1.6 GC → N30

Pa

43 ±6

29

R.A.	:	9.150
DEC.	:	61.600
PM. R.A.	:	-12.000
PM. DEC.	:	-35.000
DISTANCE	:	1.250
MODULUS	:	18
RAD. VEL.	:	-14.000
p1 (U)	:	-0.686
p2 (U)	:	-0.248
p3 (U)	:	0.684
dU	:	70.523

R.A. :	9.150
DEC. :	61.600
PM. R.A. :	-19.000
PM. DEC. :	-35.000
DISTANCE :	1.250
MODULUS :	18
RAD. VEL. :	-14.000
q1 (U) :	-0.686
q2 (U) :	-0.248
q3 (U) :	0.684
dU :	70.523

6.75 246 +32 517 → 2222 520

94392 – 9 14 11.8 569 +3F 49

12747

-0105 ± 4.2 +078 ± 3.2

[illegible] 45.163 5.8 -0112 +070 58.42 4.8

464 -0106 +072 3.53 +360

627 -0115 +075 5489

-0114 +078

-0114 +079 #

-133 +078

48.856 22.03 59.23

24 -15

882 58

49.238 3.648 57.48

41 -14

279 5734

7630 -8713 1543

6464 -4907 -0049 -0110 +074

-1.1 48.495 5.921 59.10 -01122 +0766

0211 24 -15 -1312

3.31 49 011 58.95 -132 +080

30

R.A.	:	9.200
DEC.	:	38.800
. R.A.	:	0.000
. DEC.	:	0.000
STANCE	:	0.000
ODULUS	:	10
. VEL.	:	0.000
q1 (U)	:	-0.693
q2 (U)	:	0.042
q3 (U)	:	0.719
dU	:	0.000
U	:	0.000
q1 (V)	:	0.005
q2 (V)	:	0.999
q3 (V)	:	-0.054
dV	:	0.000
V	:	0.000
q1 (W)	:	0.721
q2 (W)	:	0.034
q3 (W)	:	0.693
dW	:	0.000
W	:	0.000

30

GOT

79601 9 11.9 -42 06 +32.0

41.3049

8.02 283 135 304 3

571 139

375

436

256

+342

58

450

-0149 -058 Verify

-110 -055

216

-55

352

+32

31

	9.200
.A. :	-42.100
EC. :	-216.000
.A. :	-55.000
EC. :	3.520
NCE :	51
LUS :	32.000
EL. :	
	-0.693
(U) :	0.717
(U) :	0.072
(U) :	339.859
dU :	19.501
U :	

GC 12816 14.9 +28 47 ρ = −18.0

7284 9 12.0 +29 00 $+0.0037^{s}$ $-0.524''$

$\Delta m = 0.10$

545 —

obs. in A.J. 70, 19, 1965 664

P 34.7 } BAOC 99, 448, 1938 7.22 0.99 +0.80 3/20″ 434

a 0.660 } 6.80 +0.36 ③ 75

209

417

292

643

75

8

$a^3 =$ 71

52

6

46

47

57

u v w

Wolf 630 gp −22 −33 −15 π_{gt} 0645

−6 −27 −2 glang

Δm_V M_I $m_1 = m_2$ log

+6.95 +6.25 0.47 −33

585 (28)

49 A (120)

75 V (12)

50 M (14)

656

p^2 11.696×10^{-3} $a^3/p^2 = 245.81 \times 10^{-6}$

$a^3 = 28 \times 7.5 \times 10^{-3}$ $m_1 + m_2 =$ ~~0.96~~ ~~1.56~~ 94

$\pi^3 =$ ~~157.46 × 10⁻⁶~~ ~~268.00~~ $\times 10^{-6}$

17nma

-0019±2.4 -037±1.7

-0030 -025

79354 9 12.1 +56 57 5.5 gmo -30.4

-31.4 (31)

12748

6037 8.525 1894.8 +56 57 0.44 1893.7

105

.630

2.05

2.52

474

0948

474

1922 17.15

51.598

8.748

220

528

+13

541

-0025 -030

-020

12.7 1926.4

-9.58

2.82

-1.35

1.47

+14

1.61

1.43

-1.09

1011

506

-124

41.0

21.0

+12.7

-19.0

-7.9

-5.8 -203

-694 -183 695

-006 965 261

720 -185 670

8.471

-1

470

+0658 +0261 +0919

0 -1375 -1375

-0685 +0264 -0421

1.43

-18

1.25

35.8

42.1

3622 9 12.3 -43 56 BL II

7564
12754

+19 (5)
+18.7 (4)

5.84-0.14-0.87 C 2.700 3 G

-37

-0.8
5.85
6.65

-0243 +0151 ±2.5 +220±3.5
0 -14

-024 +014

3672.000*

9.000*
12.300*
-43.000*
-56.000*
-0.024*
0.014*
6.550*
213.796
22.000

0.127
0.049

28.140

0.004

32

13 27 4412.4

G1'5-64 74371 9 11-51 +44 15.4 -3 ⑦

+44.1647

+026 -291 AGR

9.00 x68 +19

.258 175 L

.042 177

Lambly

+0027 -281

9.2
+44.25
36
-241

$\boxed{+024 - 251}$

+40
-281

2.6

-3

9776
-2326

-1138
-9935

2825
0527

33

[illegible]200
44.250
36.000
-291.000
[illegible].600
33
-0.000

10288
3.11

-0.[illegible]
-0.026
0.720
-48.335
-3.761

-4.2

0.005
0.999
0.041
-1377.534

3677 9 130 37 74 -2-3

79807 (2)

+0003 -018 Sly

+00042 -0174

+008

+008 -014

1526

5.84 512 302 567 2.678

456 465

+0007 ± 63 −256 ± 5.9
+0018 −261

79726 9 13.4 +14 20 8.3 dG1 −449 8
12779
6045

22.651 1908.6 +14 20 18.35 1906.7
−029 11.08
.622 2943

22.652 20.70 1940.64
27 3
.679 20.73
+057

403 249 276 2.581 5.25
+66 +66 13 2 255
+270

34

79765 9 13.6 +19 01 6.9 dF0 +30.5-8

12785 GC
6047

-0115 -025 N30

-0113±4.9-018±4.4 GC →N30

-0113 -021

.1759

35

79765.000
9.227
19.000
-170.000
-22.000
3.000
40
30.500

79765 9 13.6 +19 01 dF0 +30.5 8

6.9

-0117 -015 (Calling)
-0118 -014 (H)

-157 -019 GC
-167 -022 Z
-161 -025 N
-162 -022

W6047

+54 +15
-01184 -0224 ZC
-01150 -0209
-01155 -0195

-1636

29M(6)

OK 9805

-163 -016

6781 -9805
7350 -1967

-106

6781 -9805
7850 -1967

1630
-0163
-3.1
0270
3.01

2.05 166 169 746 2728

1632
-0103
-1.9

0250 2.03 2.04 177 738 2.779 dm

3.00 2.04 185 173 740 2728
(228) (502)

664 -748 326 546 -162 -022 +30.5 -004 +10 -099

904 005 124 005 488 599 +28.9 -22 +19

02

+2 +47 +6

+44 -15 -6

025

-3 +43 +6

+40 -16 -2

+53°1326 8.34 204 842 655 ① A9 5 +16 ±22

D9657 9 13.8 +52 53 -0017 -0504

[m]
605 204 [illegible] 174 [illegible] Δ[m] mv +1.95 0 -3
+38 0 0
+76 -015 -53
8

8.35 +0.27 -0.04

-700 -128 702 | +0497 +0322 | +0814 +11.2
014 981 193 | -0100 ~~-0246~~ -2465 | -2565 +3.1
714 -145 685 | -0507 +0362 | -0142 +11.0

6.40 +26.8 -46.0 +8.3 ←

DS940 9 13.8 -37 12 F5 III

HR3684
GC12787

681
739

4.62 +45 +10 C ≥
4.62 +45 +10 5

75/
643

286 mK171 2.667

.286 .168 .711 2.659 ⓐ 3.8,5,4
.291 .166 671 ⓐ 2.668 ⓑ Cr+
.288 .167 .710 2.665
290

[m,] 219 74

[c,] 652 ~~.182~~ .173 265/264
2.50 # 2.2 -7.1 +2.8 S +0016 +7.0
+0.86 -97 -5 +56 -009

HR3684 9 13.7 -37 12 +11.78

W6048 4.7 F5III +020 -036C
+014 -021N
+015 -018 1+2

707 -707 -605 >57 +015 -018 +11.7 011 -7.1 -066
-011 -008 -011 -008 -014 -050 +9.3 -6.6 +6.4

015

-7.4 +0.6 -11.5
-5.6 -12.6 +6.2

020

-7.3 +2.1 -5.7
-2.9 -10.9 +2.0

3648

9 14.2 −44 41

+26

where?

ver.

−95 088

2600 8704 2623

−29

294

+726.7 6

+0023

+011 −004 Slug

−0009 −002.5

9.25

−44.7

−8.5

+1

80

+26

7581

6521

0386

−9992

0080 → −0009

0.0060

−0009

8.65 8.0

+17.7

25.7

3.4

−0096

−006 +001

36

0.250
-44.700
-8.500
1.000
8.000
398
26.000

-0.700
0.713
0.038
23.436
10.191

0.014
0.060
-0.998
-0.109
-25.594

0.714
0.699
0.052
-17.127
-5.475

36

23 Hya

Sp. O. P=

79910 9 14.2 -6 09 5.4 gK4 -7.5a

12800

6051

Var

33

+0013 -001 N30

+0013±2.2 +002±1.9

79517 9 14.8 +74 14 6.5 NO +55.76

12814 38

6059 -0087 -063 N30

-0085 ±3.6 -069 ±3.0 6C → N30

74589 § 150 +46 27

Ofay, T.

+1008 +003 looking

$\boxed{+008+003}$

A A 1974, 216

+12
+3

26 Hya

80105

12822

6062

-0024 ± 3.4 -045 ± 2.6

-0019 -0045

9 15.1 -11 45 7.3 gGL +9.76

4.763 1903.7 -11 45 3.69 1896.2

111

.874

+2.42

1.27

52.551

12.255

4.806

804

+15

819

812

-062

33.1

47.18 1933.19

-15.15

2.33

-.85

1.48

3.11

-1.84

3.46

+.70

2.76

3.65

36.8

40.6

4.790

22

.907

3.77 1940.46

+20

3.57

9.250
-11.750
-33.000
-45.000
6.000
158
9.700

-0.700
0.580
0.416
-16.533
1.411

0.014
0.593
-0.805
-128.603
-28.191

0.714
0.558
0.423
-228.337
-32.083

31

-59.0

3699 q 15.845 -59° +' 2.25F0

iLani

12831

6067

+13.3 a

6.40 -2.73

6.39 -27.46 24.76 (19.3)

6.39

-00027 +002

-00244 +0057

8203

-0246 +0045

+ 33

-0224

+0012

+ 33

-017 +009

6.654 -8510

7282 3082

0189

-0033

-2.93

0050

6.39

-017 4

+ 33

-014 +008

19

-124

123

-0.702 0.696 -0.146

0.015 -0.187 -0.982

0.712 0.693 -0.121

38

3699.000*

9.000*
15.800*
-59.000*
0.000*
-0.014*
0.005*

+650203 -022225.2 -800 ±5.1 SB(43) 5W

-0226 -293

79968 9 16.1 +65 14 7.6 dt4 +226

12838

6068 24±5 A 8.220 1900.1 +65 13 89.03 1899.6

B

1.108 15.12

G235-M (1) 9.328 54.15

524 460 288255

8.306 41.12 1944.36

45 7

.351 41.19 37.2

37.1 37.6

975

488

840

8.57 45.2 1930.0

54 -10

.624 45.10

629

43.15

11.00

R5 $\rho = 0.57$

RW Lac 9 16.2 +29 17 −85d (1/2)

6069 mod 11.7 min −66 (6)

+010 ±14 −056 ±14 B+B

+0.20

80671 9 16.65 -6.8 25 dF5

HR3712 6m20

GC12848

5.43 +0.405 -0.07 2599

554

271 176 471 2667

150

.276 .146 .462 2.650 ③ 4,0,8,1

276

[m] .196 +24

26

[c] 407 +13

2opa. -3.1

4opa. +34 -29.3 -167

+260 +50 -456

s -0195 = y -.107

" -030 +323

20 nma

80130 9 16.7 +60 00 7.5 g1K0 -33.06

12851

6073

+0049 24

15

+0049 -032 N30

+0051 ±2.4 -022 ± 2.1

-10.2804

3702

8044

6.62

9 17.1 -11 06

+28.4 (3)

-090 +031

-088 +034

-075

-073 +001

7281 -9343

6854 3431

0713

0175

-0.6

0143

4.2

662

045 174 1126 2.874

4018

6.55 v6

+0.6

6.05

8.516 88.6
303
9.119

-0059 ±1.13
-1064
-1083
-0041

+032 ±10.6
+003
+005
+003

10.11 56.9
1.70
11.81

32 - 257
275
75

56.416
12.560
8.976
-874
+18
8.92

3357

8.959
+20
979

(3310)

11.51
-20
11.71

5306
10.20
11.18
51
12.02
+40
11.55

3781 - 5
32 - 278
150

+008

41.96 41.51
54
41.

39450
24.023
58.973
-22
9.51

3987
31.67
1 15.17
11.66
+4
11.57

-0050
-0071

+0045

807726 9 17.6 −56 09 682−1484

−55.2080 −0047±8.7 +037±7.3

2220
40.721 2.8 −0053 +018

−0052 +011 13.10 988

61/2872 943

−1.59

14.99

37555

56.374 24.00 54.35

44.420 19.55

40.794 13.93

4 .51

798 14.44

+4 −.10

803 14.54

40.700 46.2 13.500

+14 −.67

914 14.47

78479.000*

9.000*
6.200*
17.000*
40.000*
-0.043*
-0.033*
6.950*
245.471
76.500

0.093
0.672

74.174

-0.140
-0.410

-65.785

25

-0.194
0.616

-0.549