1512 4 42.7

30122 +23 32 B5 III

6.35 +07-45 +25 75

+19

107 033 404 2.663 15

24 058 383

130

56 ~~487~~

$M_V = -2.15$ 513

+00019 -0171

22 + 9

00041 -0162

Vo 555

22

7.75

00023 -0144 +20.7

.59

-2.2

AV

+0031

941 16.78

3861

+003 -016

8.2

763 0.73

4520

4 40.7 +40 41
+37 ~~40~~ BB 721

101 022 701 2616
040 681
80
561

1500
29866

```
1512.000*

   4.000*
  42.700*
  23.000*
  32.000*
   0.003*
  -0.016*
   8.200*
 436.516
  20.700

  -0.005
   0.968

  17.951

  -0.068
   0.057

 -28.689

  -0.035
  -0.242

 -20.437
```

3548

7.45 7.9
369 342

+17 +18

-20 -25

-16 -18

4 lam

~~HR58~~H 4 43.8 +56 40 A3 +18.6 8

30121

HR1511

5.4

+057 -147 G
+055 -145 N
+053 -145 E
+055 -145

lw 2800

+0513 -1476

Find

9454 2357
-8454 -9718

945 326 836 549 +057 -147 +18.6 -123 +16 -384

-054 116 019 -040 -066 640 +10.2 +3 +10

025

+1 +36 +1

02

0 +42 -13

$\boxed{+28 -20 -8}$

15//50 4 43.8 +56 40 4m

30D21 5.26 +25 +12 E44—

5911

.135 230 877 ② 5PC

132 252 869 2849 J G slit

+225

Bul51

289 1 00.1 +47 06 Hyades !

6114

1257

6.45 +0.25 +0.075 2555 —

ADS862 $\Delta m = 1.3^m$

0″.6 orbit Sp.B.

new

+3 or +4.5 !

4Um 16 11

30121 4. 43.8 +56 40 5.4 A3 +18.6 b

2800

5811

559

$13^{m}\ 13''$ 151 +0067 −145 − N30

$12^{m}\ 100''$ +0068±1.2 −147±1.0 GC → N30

A053432

+2m

+00710 −1483 N_3 58

−1441

8135 5583

5811 −1320

+0585

+056 −148

1542

−0354

−8.6

1573 4 53.0 +36 06 B2 I0

31327
6011

60

6.08 +0.39 −0.42 3 cr+

−5.0

4.1

−020

+354 −010 +119 ② 2.568 ③

059

+0002 −011

8.9

54

+0024

+001 −012

.225

E = .25

$m_v = -4.8$

$V_0 = 3.83$

8.47

+0002.5 −0083

$B - V_0$

+0030

+002 −010

9317 2497
3631−9483

0102
−0006
−7.45
0016

```
          1573.000*

             4.000*
            53.000*
            36.000*
             6.000*
             0.001*
            -0.012*
9.55         8.900*
513        602.560
            -5.000

             0.007
             0.976

      0     -0.468

            -0.047
             0.205

    -25    -29.204

            -0.032
            -0.077

    -14    -18.835
```

62 Eri

1582 4 54.1 -5 16 ' Bcu

31512

. 5.50 -13 -55 C

+24C -059 105 421 2.694

94 433

188

621

~~-0003~~

-0003 -012 n30

-0056 .0115 $m_v = 1.55$

~~-0003~~

$\boxed{-006 -013}$ 6.9

```
1582.000*

    4.000*
   54.100*
   -5.000*
  -16.000*
   -0.006*
   -0.013*
    6.900*
  239.883
   24.000

   -0.040
    0.808

    9.861

   -0.027
   -0.359

  -15.090

   -0.048
   -0.467

  -22.718
```

3164 5

7 5:56 +29 46

-1013 ±13.0 -041 ±10.6

35:57.0 52.6 +1014 6.23 3.2 -036

58 1000 4 1.92 -021

628 8.15

35:66.9 09.56 4.80

+31 -10

700 6.70

38:65.5 37.45 7.4

66.06-07-29 → 7.04 -16 114 844 2.517 ~~7.04~~ 105 847 1065
5.44 6.66 -31 114 713 2.770 7.04 105 719 924 +016

33

1609 4 57.9 +3 ~~42~~ A0 21 " 017

1610 E +04 1056 A0 0.5

238
818 66

119

13^0 073417 784 -011 122 816 2.228 $m_v = -0.3$

Equal Up.

18.04 14h62 $V_0 = 6.7$ 66 -017 110 702 2.262

m_v -0.3 105 705

7.0 $m_v = -0.3$

8.30 210

915 4073 3653

7948 ~~9~~309

+ +36.

6

+0007-070 GC 6.6

Spl. Cat.

+0007-0225 FRY M2 FR3 +0004 -0269 FRY 5.0

+0104 +0003 +00014 +3.55

-6

0284 -24

~~+012-024~~ +001 -029 1069 6.7

+2.35

54.724 63.06 30.40 +0017 ±6.3 +003 ±5.6 -025

25 3

745 30.57 +0004 -027

54.773 00.0 +0004 -023 32.56 1897.5

085 -22 -16

.688 32.40

+0044

54.672 ~~+006~~ -011 3208 1935.0

31 31

703 54.68 437.03 31.34 3119 37.03

+015 +36 1.01 +18

2137

+0005 ±4.3 -010 ±2.8

+0002 -031

56.140 1894.7 +0001 -031 35.87 1883.7

-028 +0003 .66

.112 1 -010 36.53 -024

56.090 34.76 1934.8 -024

31 +0007 -020 31

56.121 0 -024

+004 56.082 37.03 35.0 35.03

+36 #147 +18

25

56.094 6306 34.18 35.21

.119 3485

Obs

```
1609.000*

   4.000*
  57.900*
   3.000*
  33.000*
   0.012*
  -0.024*
   7.000*
 251.189
  36.000

  -0.039
   0.887

  22.081

  -0.121
  -0.255

 -39.468

  -0.010
  -0.384

 -16.474
```

6.6

209

16

f12

-24

13

81

-17

22908

```
    5.000
     [illegible].550
    0.000
  -24.000
    6.700
      219
   25.000

    0.161
    0.429
    0.889
  -44.266
   12.532

   -0.592
    0.762
   -0.261
 -103.526
  -29.168

    0.789
    0.484
   -0.377
  -32.711
  -16.587
```

Comments:

```
    5.000
    3.550
    6.000
  -27.000
    6.700
      219
   29.500

    0.161
    0.429
    0.889
  -50.372
   15.195

   -0.592
    0.762
   -0.261
 -114.365
  -32.713

    0.789
    0.484
   -0.377
  -39.601
  -13.792
```

1623 5 01.8 +58 57

+0006 -031
+0002 -030

50.638 934 15.44 93.8

14h2

3 2039/40 4 57.9 +03 33 1+02 +31c

+04 +42c

1+R1609/10

20" { 6.6
9.0

+025 +003 A } G
+007-010 B }

+006-020

0208
-0015

7959
6054
-4344
3562

+0227
-0022

0124
+0017

?

105 Tau

1660 5 05.0 +21 38 B2V ⓔ

32991

5.52 +18 -59 ④

191 006 87 2.474 B.

-00008 -0102 W_0 50

8691 2338 0105

5877 -4723 -0016

-4.0

0019

8.60

-0011

$\boxed{-001-011}$

λ Eri

1679 5 6.8 −8 49 B2 IV

33328

6304 4.27 −20 −90 3J

4.25 −19 −88 3Cr

2656
2604
(52)

−074 +055 +071 ② 2604 ③

110
(181)

+0016

+

−00827 −0038 FIVy

− 10

45
135

179
157
376

+0024
−0040

$\boxed{-002\ -005}$

Var Vel

E=+06

V_0 = 4.09 (785)

$B-V_0$ −26

$U-B_0$ −94

M_V −3.75

−

34145 5 12.5 -26 16

-26.2085 +0038±8.7 -0406±7.8

+0045 -057

28.415 98.5 49.49 95.6

28.640 34.53 49.13

1731 5 14.6 -17 12 B3 IV

34447 4.56 -16 1.24

+12.0 -053 078 255 2.657

+0002 -002 065 246

130

396

+0024 $M_V = -2.05$

+006 -003

8.5

$w_8 50$

+0004 -0059 2887 5411

+0066 9574 -8410

+010 -007

```
1731.000*

   5.000*
  14.600*
 -17.000*
 -12.000*
   0.006*
  -0.003*
   8.500*
 501.187
  12.000

  -0.007
   0.687

   4.633

  -0.025
  -0.549

 -19.084

   0.018
  -0.476

   3.505
```

8 Jan 5 231 F28 39 13 7 II

1741
35497

23.78 -174.22
24.83 0.58

9013 1322 | 0.1756
4382 -4405 | vrno

```
     R.A. :     5.400
     DEC. :    28.650
 PM. R.A. :     0.000
 PM. DEC. :     0.000
  ISTANCE :     0.000
  MODULUS :    10
 AD. VEL. :     0.000

   q1 (U) :     0.070
   q2 (U) :     0.006
   q3 (U) :     0.998
       dU :     0.000
        U :     0.000

   q1 (V) :    -0.557
   q2 (V) :     0.830
   q3 (V) :     0.034
       dV :     0.000
        V :     0.000

   q1 (W) :     0.827
   q2 (W) :     0.558
   q3 (W) :    -0.062
       dW :     0.000
        W :     0.000
```

-07-17 6.7 0~
-55

1821 25 6945 5 26.2 +25 06 B9 V

AS3 4068 +04 -015 148 808 2833 Sm 0.5

+16 144 811
248
10 54

+00053 -0346 ZC V 6.3
+00045 -0335
+00065 -0320 M44 32.26 V +0.55
75 144

+0088 +009-033

5.4
+25.1
+10
8722 1292 | 0385 -33
4691 4916 | 0065 6.15
+16

~~5.400~~
25.100
10.000
-33.000
6.150 6.25
170
16.000

0.070
0.068
0.995
-7.580
14.636 +14

-0.557
0.830
-0.017
-153.783
-26.390 -26

0.827
0.553
-0.096
-51.021
-10.203 -10

A054131

36408 1843 5 29.3 +0001±3.4 -012 ±2.4
-0070 -010
+17 01 Col B9 (+15c)

3356 64 A0 +2096

6843 20.148 1905.4 +17 1 22.28 1899.5

-5
143

60
2288

103 R

20.096
28
.124

22.19 1934.9
18
22.37

163

33.4

53.187
26.935
20.122
16
.138
27
.165

.118
-.032

29.2

14.09 1930.56
09.58
4.07
27.58
49
22.15
4
2264

.54
-.34

20.081
-36
.045

22.50 1938.26
+12
2262

34.6

34.8

-17.9

1865 5 30.529 -17° 52' 2.69 Fo

11 α leps

6875

3373

-00037 +0014 FR4

-6

1297 3942

9733 -9190

2.56 Fo ± 6

+24.7 a

+0.21

+0.23

-0053
+ 30

$\boxed{-002 \quad +001}$

+17

+13

+0047

0000

000

0043

6.54

5m

~~+0008~~

+00010 -0085

.18

*

-0045

~~+00034~~

+0020

-0008

-0011

+0019 -0044

0.046	0.729	0.683
-0.546	0.591	-0.594
0.837	0.346	-0.425

$\boxed{+2 \quad -4.4}$

57.5

-17.9
+2
-4.4

700

+247

5 30 31·418 1731·8 -17 51 24·31 1932·1

```
   5.500
 -17.900
   2.000
  -4.400
   7.000
     251
  24.700

   0.048
   0.729
   0.683
 -14.771
  13.163

  -0.547
   0.591
  -0.593
 -17.265
 -18.972

   0.836
   0.346
  -0.427
   0.328
 -10.463
```

8.83

+4

-25

-10

$\Delta x = 0.5 \quad 10^4$

1847 5 24.3 +17 01 B7 IV

~~+4~~

doing (068)

E(B-V) +6.5 6.10 20 55 718 2.711 2 559 580

101 714 −1.3

2022 7.1

916

$\overline{B} > 7$

+7.5 6.50 45 83 883 2.700 2 559 6.2

13 5 97 873 1.65

194 2.45

1067

−0004 −011

−00055 −0095

+20 7.85 5.5

+17

−008 −010 +00037 −013676 +20.4 +8

+00070 −0125 −11

+00055 −0105 +0074 +005 −011 2.45

+20

```
  5.500
 17.000
  8.000
-11.000
  7.850
    372
 20.000

  0.046
  0.207
  0.977
 -9.064
 16.177

 -0.547
  0.824
 -0.148
-62.799
-26.288

  0.836
  0.528
 -0.152
  2.781
 -2.014
```

```
1847.000*

   5.000*
  29.300*
  17.000*
   1.000*
  -0.008*
  -0.010*
   7.850*
 371.535
  20.900

  -0.012
   0.977

  16.076

  -0.018
  -0.146

  -9.823

  -0.057
  -0.155

 -24.300
```

$\Delta m = 0$ ½.2

1502 5 340 +26 54 B8 III

+04

5.83 −022 122 581 2.767 B9 III-IV

check 115 585

230

815

Lont GC

+00024 −0230 ZC

32 " +9.7

+ −0214GC

+00056

+00034 −0200 FK4

+0045

+004 −020

43

17 8

8491 0924

5282 −9957

0203

0021

+2.9

0035 7/27

$M_V = 0.0$

V_0 5.45

5.65

75

6.40

+0011 ±3.6 -026 ±3.0

+0014 $^{1.35}$ -0.27

1.382 0.4+0016 41.91 97.0

-55

327

43.29

1.395 67.69 41.33

27

422

3

41.36

1.363 64.00 42.57

30

333

-8

42.49

```
1902.000*

   5.000*
  34.000*
  26.000*
  54.000*
   0.004*
  -0.020*
   6.350*
 186.209
   9.700

  -0.003
   0.999

   9.177

  -0.090
  -0.012

 -16.879

  -0.035
  -0.046

  -7.005
```

37098

1902 5 3~~4~~0 +26 5~~4~~ +9.7

+4.7

5274 [illegible]

5275 8496

8455 -015 -9550

-9558 -019 0952

0916 +0011 ±36 -026±3.0

1.382 00.4 +0018 41.91 970 5.6

0203 +0010 1.35

-55 43.29 +26.9

+0087 .327

+1~~8~~8

1.364 +0013 -017 42.44 41.20 -195

+29 00107 ~~0010~~ -019 2 6.45

368 42.46 +9.7

+0104

+0100-0195

1.363 42.27 (69.00)

+30 -8

1393 42.19

```
    5.600
   26.900
   11.000
  -19.500
    6.450
      195
    9.700

    0.025
    0.035
    0.999
   -2.123
    9.277

   -0.537
    0.843
   -0.017
 -102.926
  -20.230

    0.843
    0.536
   -0.040
  -10.356
   -2.405
```

```
    5.600
   26.900
   15.500
  -16.000
    6.450
      195
    9.700

    0.025
    0.035
    0.999
   -1.069
    9.483

   -0.537
    0.843
   -0.017
  -99.151
  -19.494

    0.843
    0.536
   -0.040
   14.579
    2.457
```

plate

1918 5 35.0 -5 58 81.5 V

37303

6.08 -22 -93 C

NO

+28.8

-094 089 019 2.618

072 038

144

182

5.9

-3.0

8.9

-00022 -0092 W 257

-0033

~~-001-006~~

-0033

-001-000

4202 1823

9027 -9832

0097

-0076

-4.0

0034 7.35

```
      1918.000*

         5.000*
        35.000*
        -5.000*
       -58.000*
        -0.001*
        -0.006*
         8.900*
       602.560
        28.800

        -0.016
         0.820

+15     13.731

        -0.017
        -0.469

-25    -23.965

        -0.016
        -0.328

-20    -19.194
```

B9.5 III

1538 5 37.4 +31 20 B7 V

37519

E+10.5 6.02 +03 -21

066 084 822 2.753

2104

-00018 -0189 Supple 064 809

208

1017

-0019

-003 -014

$M_v = -0.05$

$M_v = -0.7$

V_0 5.55 ✓

6.25

-0002 -020 N30

-0025 -020 FKY

-003 -021

-7:

8870 0758

4618 -4971

```
1938.000*

   5.000*
  37.400*
  31.000*
  20.000*
  -0.003*
  -0.021*
   6.250*
 177.828
  -7.000

   0.004
   0.999

  -6.297

  -0.076
   0.046

 -13.905

  -0.065
   0.006

 -11.650
```

ADS 4262

HR 1945 5 36.> +29 27 +10 +1E1

2087 6C

37446

+29°953

.870

6.83 +00042 -0269 ZC

234 + 32 11

00074 -0258

+0009 -010 1.000 | 0 +0012 | +0012 +19.4 -00027 + 8

-530 +848 +013 | -0151 -1005 | -1156 -27 00047 -0250

+848 +530 -002 | +0241 -0628 | -0387 -9

+004