-0130 ±2.3

-0115

+009 ±1.7

+005

48.543 89.5

707

48.330

48.452

+036

45.658

-642

-01235 +007

-01245 +0077

-0614

-063 +004

57.24 89.2

-58

56.69

56.95 1945.20

+02

56.97

+28

— 4.6

ADS 1598 1 57.8 +20 40 -5.2

23.58. -065 +009 GC → 1930 0286

-064 +009 GC

+728	-302	+615	-2243	-0129	-2372	-5.6	-0.9		-3.0
-633	+045	+772	+1950	+0019	+1969	+4.6	+0.8		-3.8
+261	+952	+154	+0804	+0406	-0398	-9.4	-10.2		-0.8

-8.9 -12
+3
-10

-3.0
-3.5
-0.8

X Tri Pw 461 389 480 Pd log -32 / 57.7 +27 38 -5.0 b

R_1 1.55 m_1 1.4
R_2 1.6 m_2 0.9

-5 orbit

-0.002	-0.006 Y
- 9	- 3
0	- 2
-0.011	-0.011 →

728	204	654	-0379	-0106	-0485	-10.8	-14.1		-3.3
-634	563	529	+0330	-0293	+0037	+0.8	-1.8		-2.6
261	800	-540	-0136	-0417	-0553	-12.5	-9.8		+2.7

225

213

L1159-16 / 525 +1250' +1.07 -1.76

G-3-33

728 362 583	+3.6923 -3.0714	+.6209	+2.9
-634 678 870	-3.2155 -5.7526	-8.9681	-42.1
261 634 -723	+1.3237 -5.4216	-4.0979	-19

10.10
7.7
5.3.3
1.0.4.7
9.9

1.5 -.5 -4.7

492 870 944 329 -044 009 -5. 005 -60 014

031 004 056 007 114 -246 -2.2 -14 -0.8 02

-1.6

+4.3 -13.1 -4.0

-13.0 +6.0 -3.5

+6.2 -17.2 -3.7 015

-16.3 +7.9 -4.3

015

+7 -17 -4

-16 +7 -5

+2.4 -9.0 -4.2

+3 -10 -60 03

+2.8 -9.9 -4.2 27

-10.5 +2.4 -2.8

-10.8 +2 -2.6

025

+3.2 -10.8 -4.1

-11.0 +3.3 -2.9

2 5 57.8

48 Cas 1 57.5 +70 40 -5°

HR 575 4.50 +0.18 A4 V

AD 5 15 98 -0 64 +0096

4.7:7.0 63 yrs

WM

-0.43 +0.04

2595/
20.5

wilson
25 A (20)
22 M (10)
30 G (10)

48.299
32
331

66.24

57.10
+21
57.31

-2.287

-0.936
0.062

-16.426

0.022
-0.043

77.189

0.353
0.168

12204 1 57.1 −14 07 +29

5.50 1.08 1.35

51 2
1.4
7
3.
9
6.0

m 8.0

+0024 +0020 ±6.6
+ 1 − 3
+0025 +0017

6.80 +1.64 +1.82 (1)
5.50 +1.08 (3)

JP

```
12204.000*

    1.000*
   57.100*
  -14.000*
   -7.000*
    0.036*
    0.009*
    8.050*
  407.380
   29.000

    0.149
    0.353

   71.077

   -0.075
    0.022

  -29.991

    0.055
   -0.936

   -4.902
```

69

4384
32
22.4

+0017 ±10 +010 ±7.8
+0029 +016
+0030

5.370 1901.8 53.52 1897.1
82 −50
5.288 54.02

+0028 +015 new

52660 +036 +015 711.24 153464
12.715 −2 −2 18.40
5.375 +034 +013 53.84 59
5 +2 −4 64
5.370 +036 +009 53.15
6 FRY 43
5.376 +new 52.72 1048.45 1941.32
55.05
53.40
11
53.51 53.31
+20

36.341
24.058
5.429
.26 .403

12204 1 57.1 -14 07 7.1 gm3

6.80 +[illegible].64 +1.82 (1)

5.50 + 10.8 (3)

5.12 13

141

3.7

4.5 5

8.0

+24.0

+036 1009 [illegible].

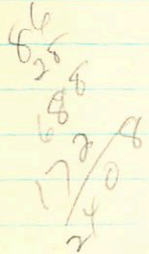
11961 1 5512 +30 54 7.2 GMS -4536

1084

2368 -0031 -048 N30

-0026 ±6.7 -035 ±6.0 GC Cont N30

-0128



1 5-5.1 +23 21

1563 A	4.80	+0.29	+0.08	4	20	F0 IV		(0.00)	+2.3
B	7.40	+0.58	+0.07	2	100	dG1	37	+0.05	+4.9
B	7.40	+0.58	+0.05	1	200				

u v w
-12 +6 -4 Bul 5-1

HR 5141

+3.3 (1)

λ Ari

Sp. Type of A
A. Slettebak Ap. J. 121 653, 1955

A is very little above main sequence and probably shows anomalous u-B for F star

[illegible] 4 07.2 +3 11

12033 1 55.1 -37 44 121 IV

+0011 +012 Carlberg

+013 +012

1.273 1018 209
262 1010 206

0.224
0.493

68

7.822

-0.156
-0.559

-5.083

11573 1 55.1 +23 21 F0 IV

HR569 G2 V

236606 4.80 +29 +06 344

9 Ari .175 .179 .1817 (3) SPG 2.762 (4) CT

[m₁] 210 +12 180 +14.5 −1.46 −00655 −0105 +9 +30 ±1.0

[c₁] 782 −106 −00645 −0034 13

118

944

+1.9 7.40 +58 +06 344 −0885

(+2.9) −098 −014

A051563

+33 (1)

11973 1 55.1 +23 21 4.8 dA6 -1.48

1082 HR5W1 dG1 +80

2366 -0065 -011 N30

λ A ai -0066±1.5 -010±1.2 GC cont N30

4.4 } 38ᵈ
7.7 }

0010±5.4 —012 ±4.0

53.8N 15030 4.52 1500.1

4400407

S62 HR 1 54.9 +41 2 -4.4

440404 B8 IV -7.4 (3)

11905 HR -6.8 (1)

R.A.	:	1.900
DEC.	:	37.450
PM. R.A.	:	10.000
PM. DEC.	:	-18.000
DISTANCE	:	7.250
MODULUS	:	284.83
RAD. VEL.	:	9.000
q1 (U)	:	0.735
q2 (U)	:	0.095
q3 (U)	:	0.671
dU	:	19.567
U	:	11.557
q1 (V)	:	-0.631
q2 (V)	:	0.458
q3 (V)	:	0.626
dV	:	-62.857
V	:	-12.082
q1 (W)	:	0.248
q2 (W)	:	0.884
q3 (W)	:	-0.397
dW	:	-66.043
W	:	-22.185

752 1 54.8 +37 26 p 2+9

0088

+0078 −0140

1.9

+37.45

2

+008 −018

+10

−10

E(B−V) = 0.04

7.25

				[ ]				+9
208	667	330	552	419	+0.85	9.5	9.65	
213	622	243	563	439	+1.1	8.9	7.8	
245	597	245	558	439	+1.1	9.2	8.1	
211	641	244	548	460	+1.1	8.4	7.8	24

-0028 +005

var?

12087 1 54.7 -68 38 G9III +14.3 sCyg

FD1122

GC2349

7.10 +0.91 (1.95)

-0034±8.3 +016±7.5

-008

40.933 1848.9 -0442 7.91 1854.2

200 -89

41.133 -0040 +004 680

-022

+6

-016 +004

40.94 41.05 08.5 1947.64

-01 -100 -45

40.93 4050 938

-203 -50

+0125 ±3.2 +079 ±2.8
+0132 +073

11977 1 53.7 -67 54 4.7 G5 -16.2 f

1074

2331 53 39.868 1907.8 -67 53 34.17 1905.2

-528 -3.54

.340 37.71

39.839 35.72 1938.52

-064 +15

.770 35.57

34.64

+3.07

39.3

.861

+.521

39.942 33.76 1955.37

-10 +5 47.1

952 33.71 41.9

R4

NTai 1 52.6 +33 32 -60 d

+020±5-049±5 B+8

```
-3.312

-0.172
-0.026

-29.659

 0.721
-0.325

 36.803

 0.671
 0.342

  3.908
100.000
 5.000*
```

99

99

-0066
+ "
11658 1 52.5 +0103 ±4.7 -029 ±3.8 HD IV IV
+0102 -029
+51 27 7.2 120 +9d
23.8 +3.9 (2) [illegible]
1065

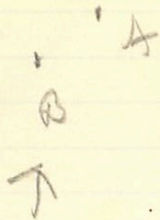
32.461 1897.5 +51 26 38.42 1893.8
-5-41 1.63
31.920 0102 -029 40.05
0 -3
-4

+0952
32.425 +095 -030 (489) 38.70 1946.96
4 -22
421 418 38.48

$kg 2 81
+low 498 -9
38.79 1945.85 46.4
-24 (52.6)
32.421 38.55
-6 38.52
415 1.53

+21 02 55 1 52 33 +21 44.5 10.6 fg

S



A 9.54 +1.15 +1.00 9Aug74

B 9.05 1.170 12.04 9Aug74

-0037 52.8   -032 ±2.3
-0036   -035

11753   1   52.3   -42   45   5.0   B9   +12.08

1063   Oim
23.15
alpha

52   17.581   1907.3   -42   44   30.29   1903.2
158   +1.50
.939   28.79

17.648   30.42   1938.4
-23   +16
.625   30.26   16.57
8.28
11.94   39.3   30.33
597   -1.54   46.6
-.142   43.4

17.603   30.34   1958.95
-34   -6
.569   30.40

Sp. B, P=69.9

11529 / 52.1 +68 26 5.0 B8 -23.9a

1062
2313
Wlas

+0024 -006 N30
+0018 -008 ±1.4
±2.1

+31.9 Orbit +31.68

1613 HR 551 1 51.9 +40 27 6.5 152

23.0 +39.434 +0041 ± 3.8 −064 ± 2.9

W1059 52.648 18943 +0049 −064 28.86 18943

−208 3.56

.440 0 +1 3242

76
46
56
45
30 4 6
59
3 9
17

52.647 +0046 −063 28.72 1952.70

+4 +052 −17

701 28.55

468 884 -726 688 -094 -082 +13.0

060 -2 -265, 044 -028 -083 053 -043 -526

+2.1 +2 +1 -4 -68 -37 .0075

-77 0 -3

φ Phe

11695 1 51.6 -46 33 M6 ~~[illegible]~~

-3 1 sti

Gc 2303 0.0 C(15)

Y 1057 4.4 +1.58 M4III Cape +6.8 L(4)

+5.0 G ±5.0 (4)

var 0.12 +3.0

Y 355 8.7

-46°552 U8.9 -0090 -077 N30 -095 -087 Gc

6.4 -0084±3.5 -084±2.4 GC long N30 -093 -077 N30

-094 -082

-74 -1 -6 .008 0087 -080

-84 0 -6 .007

PCK Remar Q. Nolle Ap. J. 117, 241 1953

(±10 Y 110)

$C_I(4)$
+4.06 +5.0±0.4

M3 III
ψ Phe 11695 1 526 −46 33 M4 III gM6 +1 c

HR555 1057 4.4 +1.58 −085 −079 FK3

~~4.40var +1.60~~ Cape −095 −087 GC

+5.2 (3) −091 −077 N30

+7.3 (1) −090 −082

+6.0 (2)

−45	+1	−1	.013
−73	+1	−1	.008

462 887 174 985 -177 -285 -21 -050 -4 -1.350

082 023 -156 -044 557 -630 -15 -10 025

0 -28 -24
1 14 -39
-2 5 -24

0 -24 -20
0 13 -32
1 5 -20

+3 -27 -32 -52
-52 -24 -21 035
-1 -28 -42
-44 -19 -14

+8.7 05

HD11592 1 51.3 +10 22 -21 R

+49°1235 6.78 +0.46 -0.05 F5V -16.8 (11)

δ=.06

-177 -288 GC

1 lu/sec = 1 P 10^6 yrs.   75 ×   2 × 10^5

30 ×
200
6000

752 has the low velocity, with respect to the sun of $(u, v) = (+4 \pm, -10 \pm)$ and the small excess of $\delta = +0.03$. It is therefore similar to Coma Berenices (Eggen 1962) cluster $(u, v) = (+5, -6)$ and the Sirius Group $(u, v) = (-15, 0)$ which also ~~have~~ the members of show small excess's of $+0.03$. And All three of these clusters have probably never been more than 2000 parsecs or so from the sun, which itself shows a small excess and among the stars now in the solar neighborhood ~~can~~ distinguish by their excess from such ~~stars~~ cluster as the Hyades and Praesepe and Pleiades clusters which ~~show no mean~~ from the standard against which the excess is measured and which were formed some 12000 parsecs from the [illegible]

NGC 752 1 51 +37 20 Arp

+0.005″ −.010″ Eff. ρ = −4.4 ± 2.5

± .002

+0.005 −.008 (N30) 6

−7

(390) −3

−6

+781	+148	+607	+0197	−0056	+0131	+5.0	−2.7	+3.3	+3
−605	+424	+674	−0145	−0161	−0.306	−11.6	−3.0	−14.6	−12
+158	+893	−421	+0038	−0339	−0301	−11.4	−1.8	−13.2	−13

R.A.	:	1.850
DEC.	:	63.400
. R.A.	:	0.000
. DEC.	:	0.000
STANCE	:	0.000
ODULUS	:	10
. VEL.	:	0.000
q1 (U)	:	0.741
q2 (U)	:	-0.200
q3 (U)	:	0.641
dU	:	0.000
U	:	0.000
q1 (V)	:	-0.628
q2 (V)	:	0.131
q3 (V)	:	0.767
dV	:	0.000
V	:	0.000
q1 (W)	:	0.237
q2 (W)	:	0.971
q3 (W)	:	0.028
dW	:	0.000
W	:	0.000

En Cao / 50.5 +63 25.5

1145

FR5

+10318 -0200

9670 7780
2550 -6283

377

44

G 71-40

G L 2284 MS08

-2 0311

1 50.6 -1 34 (135 455)

7.43 +64 +04 115

(1.75)

(+14)

(-20.7) (Small)

-209 -343
-1 -2
-210 -345

-0118 36.1 -356 36.4
-0131 -348

33,887 1898.5 -124 -1 34 5.29 1894.5

(-0123)

34.445

(34.9)

23.51

1932.90

(33.9)

50 34.0 .654 .645

50 33.940 -1 34 0.74 1932.85

+7 +07

947 0.67

100
33.4

34.037 -352

458

34.10 -458

[-.184 -.352]

33 57.6
-10

1929.4

57.70 34.10 11.79

0/100

462 887 -595 804 -048 -013 +7.5 006 -4.5 -047

022 -004 -043 007 071 -233 +6.0 +5.3 +2.8 006

+12.1

+2.5 ± 1.7 4

HD 11490 · 1 50.0 -36 29 ~~+9.5 ± 3.3 4~~

9.22 +0.29 +1.53 -048 -013 CP

F0p

Y62887 −542 841 −037 −016 +19.4 009 −10.5 −066

027 −004 −032 008 043 −215 +16.3 +14.4 +7.5 007

−17.3

−24

+23.7 −23.6 −19.9

−25.0 +6.2 −26.1

+20.5 −16.9 −19.9

−22.4 +2.6 −24.3

006

+21.5 −21.0 −21.5

−26.6 +3.7 −25.3

+29.7 (d) +19.4 ±2.6

HD 11451 1 50.0 −32 47 ~~A5 E~~ 4

−3318D 7.56 ±0.10 +1.54 A5 E

−037 −016 C,D

CC131 1 49.5 +17 41 10.5 dMo +30c 2W

1042

+0330 -080 Cm

0.478
-98.743
-10 -15.650

0.226
0.729
-0.646
-9.421
-1 -1.493

69

+OU11 ±9.5 OW ±10.0

24.191 1601.9 3.81 1602.7

59

HD11285 — Ari

1 ~~49.2~~ 48.4 +20 ~~F8~~ 16 G7

, 48 24

+24 - 4 4 →

+020 -009 AG1B3

1 48 58

+20 24.5

+25 -1
-3 +9
+2 +2

+023 -010 ←

0250
0.02
0043
685

```
 R.A.  :     1.800
 DEC.  :    66.200
. R.A.  :   233.000
. DEC.  :   -34.000
STANCE  :     4.400
ODULUS  :    76
. VEL.  :     0.000

q1 (U)  :     0.747
q2 (U)  :    -0.222
q3 (U)  :     0.626
     dU :   368.804
      U :    27.977

q1 (V)  :    -0.625
q2 (V)  :     0.086
q3 (V)  :     0.776
     dV :  -292.366
      V :   -22.178

q1 (W)  :     0.226
q2 (W)  :     0.971
q3 (W)  :     0.075
     dW :   -55.788
      W :    -4.232
```

63

+0465±6.7 -034±12.2

(8997 7 85 / 285) 3w

11141 1 48.4 +66 12 8.9 dG0 -2.51

2236 28] +0.2 (3)

1035 23.933 1904.0 +66 12 13.02 1909.6

+65 0209 -2.134 1.37

AB 1471 21.794 084-034 14.39

G 244-38 19 29.8

22.91 13.1

.42 733

1.952 -34

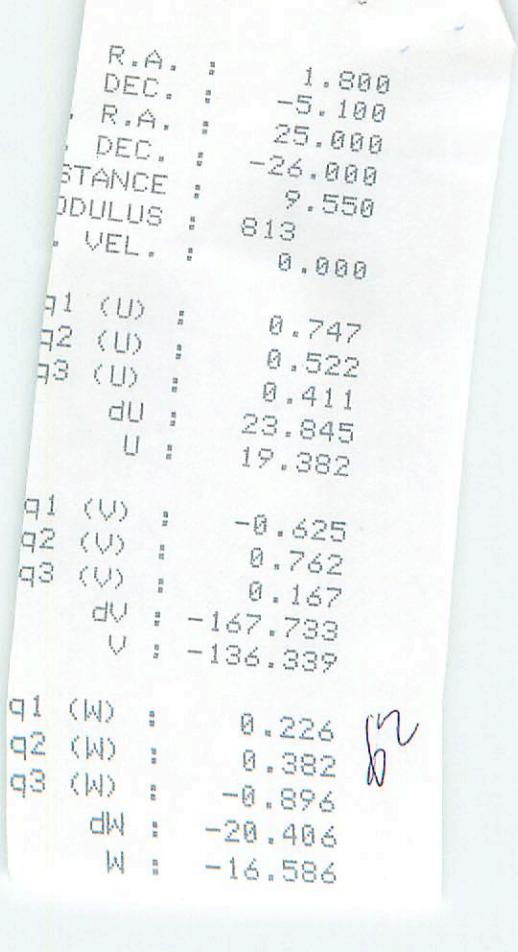
1304

4.4 1000 8482

00

383.06 -1019 -5296

+.470 1 0.298 .81 GP



```
R.A.  :     1.800
DEC.  :    -5.100
R.A.  :    25.000
DEC.  :   -26.000
STANCE :    9.550
ODULUS :  813
. VEL. :    0.000

q1 (U) :    0.747
q2 (U) :    0.522
q3 (U) :    0.411
    dU :   23.845
     U :   19.382

q1 (V) :   -0.625
q2 (V) :    0.762
q3 (V) :    0.167
    dV : -167.733
     V : -136.339

q1 (W) :    0.226
q2 (W) :    0.382
q3 (W) :   -0.896
    dW :  -20.406
     W :  -16.586
```

11/93) 476 -5 06

+25 -26

+25
-26
9.55
—

1 Ari -0013 ± 3.0 -007 ± 2.5
-0011 ✓ -007 ✓ #81 (6)
11155/4 1 47.4 +22 02 6.2 A2 +1d

GL2216 7.4 g64 +1.36
1026/5

AD51457 47 22.424 1883.8 +22 1 40.19 1879.9
086 .49
.510 40.68

6.2 } 3"
7.4 }

22.456 40.14 1933.4
-1 +16 24
455 40.30
~~[illegible]~~ ~~[illegible]~~
22.450 (52.4) 40.29 1934.03
0 2 36.2
452 40.31 (56.3)
-058 40.31
-37

451 892 375 527 -018 -010 +1.3 -004 $0.\overline{5}$ $-0.\overline{44}$

008 002 $\underline{-}$ 016 $\underline{-}$ 004 $0\overline{5.7}$ $-0\overline{6.6}$ +1.1 $+1.0^{+}0.5$ 005

$+12.^{4}-12.^{7}-9.3$

$\boxed{-19.^{9}+8.^{5}\ 12.5}$

006

$+10\ -11\ -7$

$\boxed{+12\ +6\ -11}$

$+14\ -15\ -10$ 0045

$\boxed{-17\ +5\ -15}$

1 Ari 17±6 1 47.4 +22 02 A2 +1 d

HR 530 8 69 +1.3 b

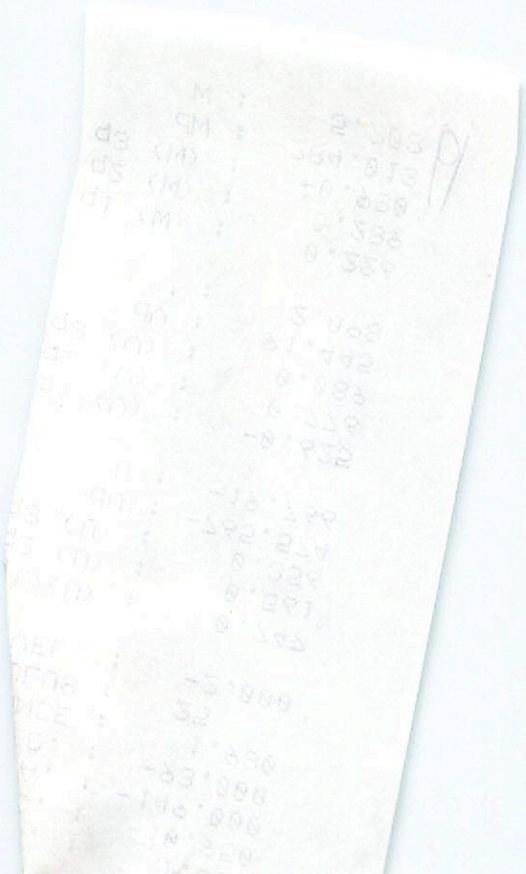
ADS 1457 AB 5.86 +0.73 +0.50 G0 III + A

W 102976 −018 −007 Gc

Δm=1.06 −010 Gc+

1.
: -10.950
: -149.000
: -93.000
: 1.980
CE : 25
LUS : -2.000
VEL. :
0.747
q1 (U) : 0.561
q2 (U) : 0.356
q3 (U) : -765.574
dU : -19.766
U :
-0.625
q1 (V) : 0.776
q2 (V) : 0.089
q3 (V) : 91.445
dV : 2.098
V :
0.226
q1 (W) : 0.289
q2 (W) : -0.930
q3 (W) : -284.013
dW : -5.208
W :

19



450 893 -150 952 -187 -058 -2.5 017 0 -0.5 -405

062 -008 -122 015 23.3 -6.16 -2.5 -2.2 -1.1 0435

+3 -15 -9

-17 +1 -5

+2.3 -13.4 -9.0 05

-15.5 +0.3 -4.0

+1.5 -11.4 -7.3 06

-13.3 +0.3 -2.5

8

383 208 283 2.595

(+4.1) w

11131 1 46.9 -10 57 dG1 -2.5 [illegible] (6)

GC2210 6.79 +0.63 +1.70 Egg(2) [illegible]

W1019

-11°351

6.78 390 181 414 2.598

(308) (336)

OY2 A(28)

6.74352 208.301 2.595

401 312 350 +1.81

-25 [illegible] -8 .030

[illegible]

-34 +2 -11 .020

-129±9 -087±10 Y

-141±3 -085±3

-137 -088

See HR [illegible] (8)

175425

171627

61606

(suppl)

+5 to -3 [illegible] (6)

+9 to -11 [illegible] (6)

-12.21

+2.69

-11.20

25 7164 1074 1221.013 +2.907 +706 +2.96 +2.5

11171 501 1 47.1 -10 56 4.8 dF1 -0.98

1021 2240 — 209 1574 [illegible] 2.735 -2.5

2212 -0102 -091 N30 606 -2.0 -149

1767 252 278 8 -0104 -087±1.4 391 353 208 243 2653 -43

±1.4 1.98

-00991 -0632 0 42A(2F) -2.0

-01025 -0915 F109

-01018 -0877

-152

-01021 -0871 -0546

-146 00932 1.9 008 8734

-1504 9634 -6011 1726

-149 151 -148 -091 2674 -8986 0128

-93

9606 2780 2974 -6034 1269 -0148 +5 -7 0485 157

+7.8 1624 1.71 +1.6

40

+27°287 1 46.7 +28 27 8.4 R_0 I II -63.06

1018

-061 -001 Y

1 +4

-060 000

-0046 000

1 +1

47 +1

-36 +25 Gw 10

41.675 44.14 19 27.55

1 2 2

676 44.12 27.53

41.67 44.1 1525.6 AGA_2

```
               .634
q1 (V)   -7.5 -6.498
q2 (V) :      -0.622
q3 (V) :       0.322
    dV :       0.714
     V :      56.819
         +2.4  1.711
q1 (W)
q2 (W) :       0.215
q3 (W) :       0.947
    dW :      -0.240
     W :     -54.728
              -2.721
```

M :
QM :
d3 (M) :
d5 (M) :
d1 (M) :
V :
QV :
d3 (V) :
d5 (V) :
d1 (V) :

-24

+77.508   1   46   +47   39   -102±3.2

-0012±4.6

MP

HT526

8116 4410

1.7   67

.653 ~~8.09~~

-0026 -003

-0021 -009

5598 856

11

56.09

8.522   65.08   55.87

0

5586   -00235 -006

-0023 -0032

8.544   62.92   5552

2   10   -0032

546   5542   -023-007

-34 3.9

-7 -24

11074 1 46.1 -22 28

C.O CO
-22°29.9 60.2

—

7.94 +0.96 +0.63 1 18"
7.93 +0.96 +1.95 2 arc δ=.13

dG5 -2.16W(3)

+5 -9 +4 .050
+5 -8 +3 .060

+108±12 -048±12 Y
-1 +8
+2 -1
+109 -041

11074 1 46.1 -22 28 dG5

no Tale

		M(±)	π(rt)	u	v	w
7.98 +0.96 +0.59 (2)		+5.85	0.051	+5	-9	+4
		7.32				
7.66 +0.34 (3)		1.47		0	+2	-2

Δ(B-V) = 0.00

Δ(U-B) +0.16

probably not plotted
sg

-2.1 +0.109 -0.041

7^{8}
6^{93}

612 781

+0094 ± 2.1 −027 ± 1.8

+0091 −033

41.299 1903.8 +37 42 17.22 1894.8

−434

40.865

12.86

28112

40.972

105

41.077

15

062

5.929

35.294

24

41.2 + 17.5

−5

236

+197

298

149

+284

31.2

1.49

18.71

48.12

30.20

18.00

72

28

17.26

54

17.57

−27

30

17.12

+1

17.19

1426.1 6996

35.0

40.2

73

17.36

−1.35

1943.86

10975
GC2193
W1009

1 45.7 +37 42 gG1 +34.56

5.94 +0.97 +0.71 W(+0.7) +35.9 V(6)
009 +37.2 W(3)

NOIII R

S=.07

5.92 +99 +74 1A

+112 -027 ac

+63 -14 -14 .010
+67 -18 -16 .009

also 140 94132

```
  1.750
 16.700
 63.000
-28.000
  4.500
     79
  5.000  x10

  0.753
  0.335
  0.566
170.957
 16.977  11

 -0.622
  0.643
  0.446
-263.254
-18.232

  0.215
  0.688
 -0.693
-29.924  59
 -6.534
```

DAO 1,217 +6, +13, +4, +11, +30, −2 (011) −19 149 880 2887
RUB
143 884
522 1 45.5 +16 42
286
(1170)

10995
2192 (5.75) −0.03 −0.12 Crawford

new +5 ~~wolf~~ str ?

−017 139 842 2.871 5G
−019 149 880 2887 et al
−018 144 886 2.879

139 890

+U533-0361

−0312
−.032

FRS

+12 C

1.75 11 18
+147
+63
−24
4.7
+6

Ws 50 +6 : vaml

+00414 −0231
+00404 −0238
+0586 +060-028

+13

5.7
+1.2
4.5

-0025±3.1 +048±2.7
-0021 +042
10995 1 45.6 +16 46 sg 60 +12 e 4W

2192
1008 37.970 1902.6 +16 46 24.48 1896.5
-118 -2.57
5221 21.91
8387 38.088
23.34 1937.0
38.020 7
5 018 23.41
8887-3297 025 -070 34.0
23.82 1939.30
11.37 078 38.010 1
1 '3.3
009 23.81 36.6
23.41
9206 9782 40.1
3905 -3720 +1.70


-0.126
667.755
41.915
-0.622
0.636
-0.457
-202.210
-17.397
58
0.215
-0.423
-0.881
9.252
-7.767

-0010 ± 2.9   -027 ± 2.3
-0008   -025

10824   1   43.5   -05   59   5.5   g R4   +10.86

993

2148   43   28.545   1895.6   -5   58   58.03   1894.6
054   1.50
.599   56.53

13.275

-5   65   84.20

15.275
1   28553   7   32.12   1933.90
43   013   58   57.08
564   .62
564   57.70   R4 4.71 236
-033

28.577   57.75   1938.61
-10   +34
567   57.4   36.36

40.7   41.7

57.57
-1.04

989 1 43.1 +8 19 6.6 Ap +14c

GC2141 +0011 -015 , 1st Bu 50 3 plates [illegible] (25)

HD10783 +.010 -20.2a 10 [illegible] plates [illegible]

+0006 -026 [illegible]

(210)

758	418	501	+0572	+0297	+0275	+15.8	+9.5	+15.3
-418	702	350	-0469	-0499	-0968	-20.3	+6.7	-13.6
205	576	-791	+0155	-0410	-0255	-5.3	-15.0	-20.3

10845
515 1 43.9 +17 05 Hydra

2156

+158 +173 +979 ovv SPC

new

+00353 +0123
+00357 +0131
+00357 +0136 (NC)

-1 C Sp B +0512 9357 9897 +0527
052.5 +005.5 3536 0249 +0058

R.A. :
DEC. : 192.000
PM. R.A. : 82.000
PM. DEC. : 6.000
DISTANCE : 158
MODULUS : 3.400
RAD. VEL. :
0.753
q1 (U) : 0.624
q2 (U) : 0.208
q3 (U) : 867.498
dU : 138.197
U :
-0.622
q1 (V) : 0.779
q2 (V) : -0.084
q3 (V) : -213.357
dV : -34.102
V :
0.215
q1 (W) : 0.066
q2 (W) : -0.974
q3 (W) : 203.784
dW : 28.985
W :

DEC.	:	192[illegible]
PM. R.A.	:	82.000
PM. DEC.	:	6.000
DISTANCE	:	158
MODULUS	:	3.400
RAD. VEL.	:	
d1 (U)	:	0.753
d2 (U)	:	0.624
d3 (U)	:	0.208
dU	:	867.498
U	:	138.197
d1 (V)	:	-0.622
d2 (V)	:	0.779
d3 (V)	:	-0.084
dV	:	-213.357
V	:	-34.102
d1 (W)	:	0.215
d2 (W)	:	0.065
d3 (W)	:	-0.974
dW	:	203.784
W	:	28.985

10909 | 1 42.0 | (1950) -24 30 | 100 +13.1 ⊙

-24.751 | 1 44.3 | -24 16 | +3.4 arbit

-24.701

+172 +024 Gale
0 +7
172 086
173 086

175 082

8.0V

R-I 386

1.75
-24.25

192

082

6.0

+3.4