33463 5 08.4 t25 52 #14 M2111

6-35 178

R.A.	:	4.450
DEC.	:	15.000
1. R.A.	:	50.000
1. DEC.	:	-48.000
[STANCE	:	7.800
10DULUS	:	363
D. VEL.	:	38.300
q1 (U)	:	0.283
q2 (U)	:	0.253
q3 (U)	:	0.925
dU	:	7.289
U	:	38.084
q1 (V)	:	-0.630
q2 (V)	:	0.776
q3 (V)	:	-0.019
dV	:	-320.882
V	:	-117.236
q1 (W)	:	0.723
q2 (W)	:	0.578
q3 (W)	:	-0.379
dW	:	33.966
W	:	-2.179

57478 . 6 557 −4 00 M3 III

N Mon 207 +15.6 Vau

0.48

57850.000×

7.000+
20.200+
-20.000+
-25.000+
-0.007+
0.015+
8.000+
398.107
36.000

0.064
0.578

46.293

0.045
-0.815

-11.542

-0.004
-0.043

0.664

57890 7 20.2 -20 25 +36 C

-20°1884

±007

-007 +013 last

-011 +012

P.C, +3 +2

+004 +015

-007 7.85

5.06 1.41 1.76

468 482

1.17 1.65

4.85 1415

4.47 2.86

1.83 5.15

2.64 8.01

2.52

8.0

٢٥٠
٢٧٢

M2 II

196824 2/0 89 22 -42 14 6.30 +1.61

6.27	+1.57	+1.83	11 Ayl 69			196
6.37	+1.61	+1.72	17 Ayl 69	5.05	+1.19	18 Ayl 9
6.38	+1.61	+1.70	19	5.19	+1.185	22
6.37	+1.62	+1.68	9 Sept 69	~~4.83~~	~~+1.14~~	~~17 Sept~~
6.35	+1.61	+1.72		5.01	+1.115	20 Sept
				5.08	+1.16	

R=1.20

118289 B 33.4 +8 83 2.6 mv

N70±d

Phn. Lyot cam Perk ASP # 3,423 1971

V027 TOUS Cluster ESS = PASP (second class journal)

mv 70

E=+03

118289	6.7	+1.63	+1.62	-3.6	+50	-25	+38	-44	+23.1	40d±
	4.55	+1.30	2.45	+19	-7	+5	+11	gmy		+18°

-0008±7.8 -022±7.5

123214 14 04.0 -13 58 6.7 g MH +8.2 8

19040

8273 59.171 1902.1 -13 58 4.01 1901.1

038
.209

38.125
21.020
59.145
190
.194
199

+1.08
59.93

50.47
11.08
61.55 1927.29
+75
0.77
+20
057

γ low?

123598 14 062 -19 01 gm3 +58c

cc 19088 +64.7L(2)

W8286 +52.0W(2)

-006 ±6 -058 ±5 cc

+029 ±11 -078 ±4 Y

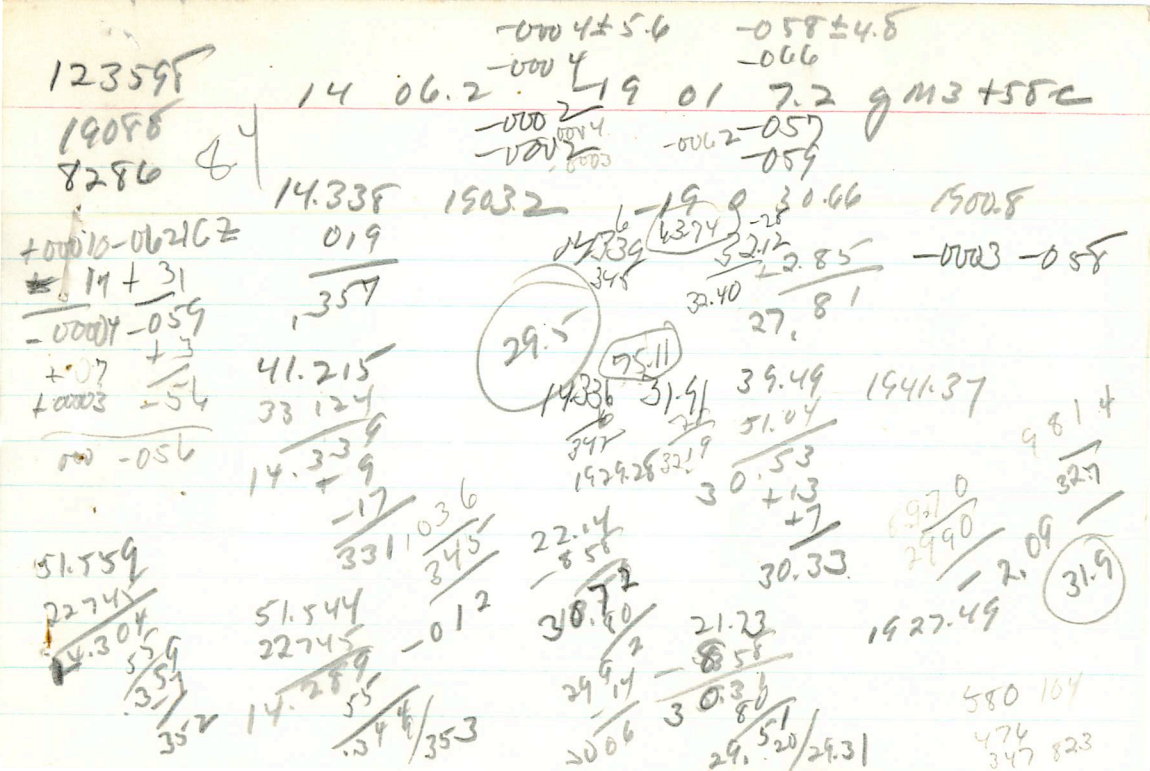
8.38

-74-116-52

```
 14.100
-19.000
 16.000
-52.900
  8.500
    501
 58.000

 -0.709
  0.290
 -0.643
-79.580
-77.155

  0.641
  0.644
 -0.417
-151.400
-100.075

 -0.293
  0.798
  0.643
-177.841
 -51.856
```

417
-63

R.A.	:	14.100
DEC.	:	-19.000
. R.A.	:	-3.000
. DEC.	:	-52.000
STANCE	:	8.700
IODULUS	:	550
). VEL.	:	58.000
q1 (U)	:	-0.709
q2 (U)	:	0.290
q3 (U)	:	-0.643
dU	:	-61.978
U	:	-71.330
q1 (V)	:	0.641
q2 (V)	:	0.644
q3 (V)	:	-0.417
dV	:	-167.321
V	:	-116.145
q1 (W)	:	-0.293
q2 (W)	:	0.708
q3 (W)	:	0.643
dW	:	-170.575
W	:	-56.462



$7.10 + 1.\overset{5}{6}95 + 1.80$ ⑥

5.87 +1.065 ⑥

5.87 1.065
5.47 1.35
4.1
4.5
m-m 8.6 = .525 pi

5.49
.38

000 -056

41
835
-427

-709 290 -613 | 0 ~~0108~~ -0770 -40.4 | -77.6 | -37.2
642 644 -417 | 0 -1709 -89.7 | -123.9 | -24.2
-293 708 642 | 0 -1879 -58.6 | -61.4 | +37.2

-004 -058

485

+01349 -0797 | -0643 -321
-0121 -1771 | -1893 -918
+0056 -1946 | -1890 -91.6

-37.2
116
-24.2
+37.2

918

-69.3
-116
-54

123598 14 06-2 -15 01 M3 III

PR Vin

-0002-055 (cooling)

2.1Vin +1.58 +1.82 (15)

5.85Vin +1.04 (10)

E(D-T) 008

-003-055 +58C

-0042

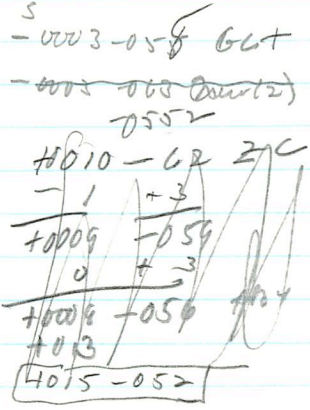
-003-052

-3

-82

917

+580



124304 14 10.5 −13 38 7.2 gm4 −45.4 6

19175

8316 −0032 16 −033 14 N30

−0032 ± 10.0 −023 ± 10.0 BL → N30

126V09 14 203 +24 3/ M3F
C1 Rev

-0024 -024 5h(5)

13212 14 55.0 -12 14 gms

5.00a 1.70
462
217
245
+7
8.15

+4.26

+0011 -020 Galvin GC
-0172 PIP4

+016'
+017 -014 +Corr 7.9

9705 8025 0244
243 -5926 005
+4.1
0080
5.40

+020 -010

4.4
93
97

4.7
4.6
5.7

+0023

-012
-016
-022

2.591
102
489

05

+0012
+0012

14.86
+54
1432

49

2.540
+23
2.563

69.25

15.21
-13
15.34

+0015

-016
-013

2.558
+8
546

68.40

15.42
-28
15.70

+022

$\boxed{+023\ -010}$

```
132112.000*

    14.000*
    55.000*
   -12.000*
   -14.000*
     0.017*
    -0.014*
     7.900*
   380.189
     4.200

    -0.069
    -0.740

   -29.439

     0.006
    -0.201

     1.438

    -0.078
     0.642

   -26.907
```

+34.8

134140 15 06.0 -26 18 6.95 1.72 M4III

GC20366

-00.4 +014
+0018 ±7.1 -007±7.1

59.662 1845.2

0.81
.581

(2) 6.60+1.73+1.84

5.56+0.97 (1)

30.780
28.675
59.455
.524
525
-056

+0002 +004
+004 +010

25.13 1844.7
39
24.74

193403

39.13
47.30
26.43
1.18
25.25
-13
25.38 64
+

518 102 127
23
0
3
41
5 0

+22 02801 9.8 +22 30 -22.7 6

134963 15 10 42 +22 25.5 6.8 gm2

(A) (B) (R)

501 128 3.7 72 -3.7

503 128 375 72 -3.75

-025 -034 Y
+1 -4
-024 -038

-0021 -035 +0.1 ±6.5

-0020 -031

-0277
-025 -028

6.62+1.62+1.875 (3)
5.41+0.97 (1)

503 37.6 1.1 ±7.5

526 92 488 367 3.5 76 0

447 27.4

-037 -035 HG
-028 -031 BC
-023 -034 Y
-029 -033
-027 -030

21.5 01

137597	15	25.1	~~37~~	11	7.04+1.43	+370

13 mm 4"

Stop

+0835 −033 Y+C

+045 −030

+33°217 N 58.7 +33 11

2015 275
4 25 68
207

13921b 15 34.2 +15 16 g m 3

-0004 +005 g h 5

-26.2

4.15 +1.72

377
222
155
775
730

-0004 +002 kelvin
-0003 +0065
-0043
-002 +009

2H42225	6.52 +1.345 +90	2256	4.18 +1.73
41	6.55 +1.355 +52	2273	4.14 +1.72
45	6.56 +1.355 +915		
47	6.56 +1.345 +905		
50	6.56 +1.86 +92		
52	6.57 +1.34 +94		
53	6.58 +1.345 +885		
57	6.58 +1.370 +915		
69	6.60 +1.37 +935		
72	6.61 +1.37 +91		

```
  0.460

 15.000*
 34.200*
 15.000*
 16.000*
 -0.002*
  0.009*
  7.300*
288.403
-26.000

  0.033
 -0.588

 24.709

  0.024
  0.263

 -0.043

  0.017
  0.765

-14.977
```

+24.2401 L 83 1.50 NY Sec PASP 88, 426 1876

185608 15 36.1 +24 41 gm

-0011-019

(X) -39 -53 -39 -53 MS -23.8 ✓

44 +168 412 217 195 175 97 0 SMS

-024-029 4(03)
+003-041 4(04)
-010-035 4 SC
-014-029 Mea → SC
-0145-031 5 SC mean
-0013 ~~-030~~ -027 FIX4
-010-025 2 7.7

-0014 -028 ~~Tolum~~
-0010 -023 FIX4
-0177
-015 -020 Corrst

-17
-20
8.0
-23.8

-024-029 4
-024-033 → SC
-023-029 → 5 Hy
-014-015 AGREE
-018-024 mer 5Hy
-020-023
-016-021

2472225	6.70	+1.53	+1.00
45	6.74	+1.52	+95
47	6.77	1.515	+96
50	6.85	+1.535	+96
52	6.89	1.50	975
53	6.92	+1.51	+92
57	6.93	1.50	91
64	6.96	1.46	+85
72	6.54	1.47	90

26	4.44	+1.68	
73	485	1.67	

139608.000*	139608.000*
15.000*	15.000*
36.100*	36.000*
24.000*	24.000*
41.000*	41.000*
-0.014*	-0.010*
-0.022*	-0.025*
7.700*	7.700*
346.737	346.737
-23.800	-23.800
-0.048	-0.067
-0.476	-0.475
-5.277	-11.988
-0.111	-0.108
0.379	0.379
-47.615	-46.435
0.024	0.011
0.794	0.794
-10.405	-14.998

R.A.	:	15.600
DEC.	:	24.700
PM. R.A.	:	-17.000
PM. DEC.	:	-20.000
DISTANCE	:	8.000
MODULUS	:	398
RAD. VEL.	:	-23.800
q1 (U)	:	-0.459
q2 (U)	:	0.751
q3 (U)	:	-0.475
dU	:	-37.588
U	:	-3.655
q1 (V)	:	0.663
q2 (V)	:	0.645
q3 (V)	:	0.379
dV	:	-109.730
V	:	-52.705
q1 (W)	:	-0.591
q2 (W)	:	0.141
q3 (W)	:	0.794
dW	:	29.882
W	:	-7.003

5.42 2.00

R = 5.3 (10000)
R-I +0.91

(B) 13.70
+0.61 (2)
+0.14

142804

244+

1096	6.63	+1.84	+2.13	1473	6.57	+1.82	+2.22
1106	6.56	+1.76	+1.99	1475	6.58	+1.81	+2.16
1107	6.55	+1.80	—	~~1223~~			
1109	6.57	+1.78	+2.19	1493	6.59	+1.79	+2.10
1133	6.52	+1.80	+2.14	1504	6.56	+1.83	+2.20
1136	6.68	+1.82	+2.13	1520	6.66	+1.78	+2.14
1139	6.63	+1.78	+2.10	1524	6.66	+1.78	+2.13
1159	6.59	+1.80	+2.14	1526	6.59	+1.80	—
1425	6.49	+1.83	+2.16	1537	6.64	+1.79	+2.11
1426	6.40	+1.86	+2.20				
1443	6.44	+1.79	+2.14				
1445	6.53	+1.79	+2.17				

5.1 89

472
354
35
735

5.00 86
462
3.48
38
728
555
45

86

5.3 (81)
470
488 ✓
4.00 ✓
102
3.43 ✓
363 ✓
706

AOS 9845

+0007 ± 5.8 −038 ± 5.6
+0003 −037

142804 15 54.3 −15 53 6.8 gM1 −10.5 b

21411

9180 15.055 1844.7 −15 53 24.99 1897.1

−035
020

+0005 −0375
−034

+2.01
22.98

7.75

J0.127
24.865
14.997
40
15.037
4
036

+0072
+008 −032

15025
+004

31.5

1.65
24.00
25.65
1.32
24.32
+12
24.20

1928.53

C241
31.2
34.1

15.011
9
020

Way 630

23.98 1933.98
−20
24.26
24.23
−1.25

142804.000*

15.000*
54.300*
-15.000*
-53.000*
0.008*
-0.032*
7.750*
354.813
-10.500

-0.053
-0.882

-9.636

-0.089
-0.081

225
-30.749

-0.117
0.464

-46.361

14500
Pg 5a

16 Oct +0848 +521

Lab DOI = 1.10

IN2060

-0022 -024 Century

-033-029

-33
-29
23
+5

R.A. :	16.100
DEC. :	8.750
M. R.A. :	-33.000
M. DEC. :	-29.000
ISTANCE :	7.300
MODULUS :	288
D. VEL. :	52.000
q1 (U) :	-0.358
q2 (U) :	0.599
q3 (U) :	-0.716
dU :	-27.120
U :	-45.059
q1 (V) :	0.648
q2 (V) :	0.711
q3 (V) :	0.272
dV :	-197.966
V :	-42.947
q1 (W) :	-0.673
q2 (W) :	0.367
q3 (W) :	0.643
dW :	53.575
W :	48.877