

58810 02-

h m l

7 20.2 02 25 Se

098800

g m l + 862

02

6.85 - 7.2 + 11.6 + 11.4 25

5.05 - 5.25 + 1.445 (11)

5.15

- 0007 + 013 h m l
- 02106 1012

477

+ 0001 + 018 cup u

4 1003

1003

- 0119
- 012 + 014

100 900
5104
10026

0150

10026

10026

10026

10026

- 0009

- 7

- 7

- 7

+ 009 F.03

+ 009

+ 009

5050

1218

- 48813
- 4605
8749

- 0006 9000
581000 + 00135

18800-

57890.000*

7.000*

20.200*

-20.000*

-25.000*

-0.012*

0.014*

9.200*

8-1
417

691.831

36.000

0.069

0.578

150

68.632

0.050

-0.815

-8

5.372

-0.019

-0.048

-9

-14.598

91094

10 27.4 ~~64~~ 55 641 +167 (2.57)

+0092 +025

46
+0588

$\rho = +91.9$

117 366
4.85 378
R. 6

$\rho = 5.23$

-2.78

$\rho - I = +0.895$ (1)
112

| | | | | | |
|----------------------------|--------|------|-------|-------|-------|
| -827 | 459 | -320 | -2274 | +0544 | -1730 |
| 220 | -256 | -94 | +0605 | -0303 | +0302 |
| 514 | 850 | -111 | +1413 | +1007 | +2420 |
| 7.45 | 810pp. | | u | v | w |
| M _{total} = -2.78 | | | -103 | -77 | +65 |
| | | | -17 | +3 | +24 |

1029

73.5

-29.4

-86.4

-10.2

-1002940

85961 9 45.2 -11 06 6.8 gm2 +12.58

+0027 ± 10.0 -000 ± 9.5
+0022

13572

6317 14.494 15003 -11 6 15.34 1898.3

±10
4084
137
1360

+0024-050
-2
10022

+041-031 1.131
+2 -9 13.288
14.419

±045-035 4.20
+10
436
076

6.52+101+1.98(2)
5.39+0.93(3)
117

524 88
488
372
365
7

16.21 193404
- .30
16.51

+022-50
+046 +045-35 } F124
+038 -014 } F14
+000

-1.75

324 (5.90)

85461.000*

9.000*

49.200*

-11.000*

-6.000*

0.033*

-0.044*

7.55 7.700*

323.5 346.737

12.500

-0.254

0.314

-78 -84.293

-0.106

-0.789

-44 -46.497

-0.006

0.528

+4 4.368

91094

10

274

-44

55

M. II

641 + 167

641 + 167
+ 91.9
5.28 + 0.53 (4)

+ 0090 + 022 02
15 4

+ 0088 + 026 F124
15 4
+ 0563 74

+ 0508 + 030 600
58

185

122

562

292

755

||

0.000*

10.000*

27.400*

-64.000*

-55.000*

0.058*

0.030*

7.550*

323.594

91.900

-0.162

-0.319

-81.847

0.024

-0.941

-78.654

0.262

-0.110

74.781

136

91094 10 27.4

64 55

6.41 1.67

+91.9

GL M424

25.506

$\frac{335}{17}$

25.171

19018

+0095

+0071=71

+29

+019

13.37

18934

$\frac{+0090}{+0092}$ $\frac{+022}{+022}$ $\frac{1.58}{14}$ $\frac{95}{95}$

441

36.670

48.445

25.361

$\frac{406}{+22}$

431

35.7

076

33.53

1428.03

+339

+00906

48.00

$\frac{13.63}{33}$

+00870

+0554

$\frac{13.96}{24}$

$\frac{17.20}{20}$

137.5

$\frac{1410}{4.85}$

25.590

$\frac{+1344}{+30}$

515

25.510

$\frac{+0557}{+030}$

13.4

$\frac{-60}{14.00}$

19474

+2344

+30

2755

+914

9.5

R.A. : 10.450
DEC. : -64.900
1. R.A. : 134.400
1. DEC. : 30.000
DISTANCE : 7.950
MODULUS : 389
D. VEL. : 91.900

q1 (U) : -0.828
q2 (U) : 0.461
q3 (U) : -0.318
dU : -158.240
U : -90.773

q1 (V) : 0.219
q2 (V) : -0.255
q3 (V) : -0.942
dV : 22.980
V : -77.605

q1 (W) : 0.516
q2 (W) : 0.850
q3 (W) : -0.110
dW : 260.159
W : 91.092

-00065 ± 5.8
-00060

000 ± 4.2
+006

WD

160041 11 28.3 +28 44 2.0 MY III A +870 b
15790 6.72 +1.51 +1.51

7009

16.628 1898.5 +28 43 08.6 / 1893.9
335
963

38.97 1928.26

30.7

16.764
20
994

$\frac{-23}{38.74}$ $\frac{84}{30.84}$ +23

16.775
23
1773

39.1 1930.1

1836
29.2
35.3

-17
38.93

10041.000*

11.000*

28.300*

28.000*

44.000*

-0.082*

-0.004*

8.000*

398.107

87.000

0.332

0.280

156.524

-0.164

-0.124

-76.256

-0.119

0.952

35.418

83

+ 1-4126

854

254

R22.27

10041

11 28.3 +29 44

$\frac{860}{1000000}$
 $\frac{1000000}{1000000}$
 $\frac{1000000}{1000000}$

-36

-37

+880+

-0065 +00066

-0060 +006 (new 12)

-00055 +0003

-0063 +0045

-083 +0045

-063 -20 +6123

-080 -088

6.74 +1.53 +180 (2)

5.70 +0.91 (2)

532

41

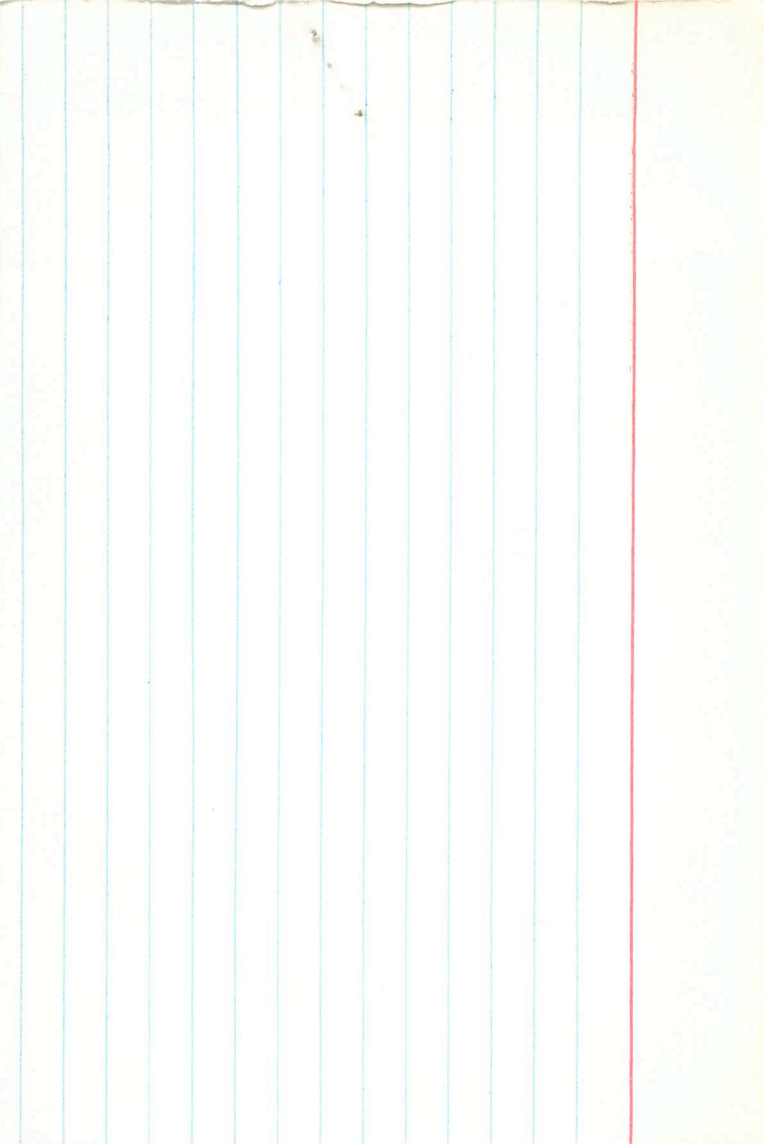
24

9.0

+870

-082-004

9.0



top } 1000
498 099

TU UMa

→

5 mag sp.

102159 11 43.0 +36 10 7.2 gms +59.2 b

16127

-0026 +020 N30

7125

-00454.9 +021#4.26c-7030

net RR R-E +1.58

S27

102159

-0035 -008

RR-E 1.58

468.500
8.33

-42 -5

RR-E

-1.9 -0.9

-45
+8ms

+342 +284

+1742 -0148

+90
-53
+34

-875

+16

-0822 -0345

+0.6 -1.0
+2.4 +1.9
-34 -8

+252

+554

-0502 +0050

375 sp.

+1594 +63.8 +16.5

+80.6

+71

-1167 -46.7 +0.9

-45.8

-39

-0497

-19.9 +56.8

+37.0

+40

5 mag sp.
616 sp.
gr.

R.A. : 11.700
DEC. : 36.150
1. R.A. : -45.000
1. DEC. : 22.000
DISTANCE : 8.650
MODULUS : 537
D. VEL. : 59.200

q1 (U) : -0.875
q2 (U) : 0.389
q3 (U) : 0.287
dU : 191.373
U : 119.741

q1 (V) : 0.410
q2 (V) : 0.912
q3 (V) : 0.014
dV : 24.421
V : 13.947

q1 (W) : 0.256
q2 (W) : -0.130
q3 (W) : 0.958
dW : -57.616
W : 25.769

4.0

102253 11 43.5 F7 27 2.1 gm2 -19.31

16188 0001

7180 32.035 1911.2 +7 27 8.34 1408.5

N²200 4003 32.000 2.28
10.62

9.54 1433.1

2197 803 9.78
992 403 1.022

6.87 + 16.45 + 1.95 (2)

5.80 + 0.82 (2)

200

-875 + 481 + 0.53 -1094 -21.8 -28.1 -1.0 -22.8 -40 -25.5

+417 + 806 -419 -1833 -36.9 +8.1 -28.8 -59 -33.0

+245 + 344 + 906 -0782 -15.6 894.80 -17.5 -33.1 -45 -35.0

6.75
9.52
1.10
22500

355
7.75

494

R.A. : 11.700
DEC. : 7.450
PM. R.A. : -6.000
PM. DEC. : -42.000
DISTANCE : 8.000
MODULUS : 398
RAD. VEL. : -19.300

q1 (U) : -0.875
q2 (U) : 0.479
q3 (U) : 0.064
dU : -70.723
U : -29.398

q1 (V) : 0.410
q2 (V) : 0.807
q3 (V) : -0.426
dV : -172.143
V : -60.318

q1 (W) : 0.256
q2 (W) : 0.346
q3 (W) : 0.903
dW : -76.114
W : -47.722

DB 26

7.92

38.4

57.9

46.6

109347

12 189 + 61 + 61 35

RTWMO

10038 2007 565

1

107869 12 21.2 -30 03 MONTH +66.7 25th

+0010 -014 (Culby) 6.5 +69 CW
+68

~~+0.0014 -013 130~~
~~+0.0008 -010 60~~
+0011 -012

+0010 -014 (Culby)

6.42 +1.59 +1.95 (2) -63

5.35 +0.76 (3)

310 m.

-49.5 N

-14

4.95 +1.0

2m-m 7.45

-47.3 V

8.78

3.95 R 22.84

+23.2 W

+68

7.45

5.27 03

4.54
2.72 714

R.A. : 12.350
DEC. : -30.050
PM. R.A. : 15.000
PM. DEC. : -14.000
DISTANCE : 5.750
MODULUS : 141
RAD. VEL. : 68.000

q1 (U) : -0.863
q2 (U) : 0.345
q3 (U) : -0.369
dU : -76.014
U : -35.829

q1 (V) : 0.494
q2 (V) : 0.419
q3 (V) : -0.762
dV : 2.540
V : -51.451

q1 (W) : 0.108
q2 (W) : 0.840
q3 (W) : 0.532
dW : -49.057
W : 29.267

75
52
51
840

-00185 -00850
-00114 -00755

-0011
-0019 -004

103
540

544 -354

108680

young duck

-0012 = 0029 gully

GC17014
W7504

ZC

-0016 -012 tubular -0014 -010

+ 2
-0014 -008
0 + 3

6.86 + 1.64 + 1.81 (2)

5.56 + 1.08 (2)

-0014 -005
350m -021

5.16 1.42 3.74 7.75 350m.

| | | | |
|---------------|-------------|--------------------|-------|
| -860 478 -178 | +0856 -0713 | +0743 26.0 +323 | +6.3 |
| 501 729 -466 | -0499 -073 | -072 149 -3.5 -7.0 | +16.5 |
| 053 451 866 | -0094 -0716 | -016 -74 -391 | -30.6 |

10860.000*

12.000*

26.600*

-2.000*

-9.000*

-0.019*

-0.004*

7.900*

380.189

-35.400

0.068

-0.186

32.550

-0.059

-0.465

-6.058

-0.017

0.866

-37.166

109944 12 38.1 -04 06 y mo +10c w(4) 20(26)

6017218

w7598 .667 +1.595 +1.97 (2)

-803329

7.2 5.77 +0.715 (2)

-0031⁷ -014 below 539 -0022

-00317-013 F154

-0474 +4

-046 -009

-04853 -011 ± 2

-03654 -00 ± 6

-045 -008

Curly

182-74-5 .002

151-49-1 .003 -1081-103

-60258 -00147

109944.000*

12.000*

36.100*

-4.000*

-6.000*

-0.046*

-0.009*

7.700*

346.737

10.000

0.166

-0.237

55.081

-0.144

-0.468

-54.696

-0.033

0.851

-2.991

112278

12 53.0 +11 46 gmy

17541
(WNY)

6.9V_{an} +1.54 +1.65 ④

5.6 +1.12 ②

5.22

1.77

3.75

4.5

8.25

-52.4 f

±6

-0006-012²⁵ Putvin

-0016-0045 Fey

-0335

-022-005

-037-000

-028-006

NO 16

112278.000*

| | |
|---------|---------|
| 12.900 | |
| 11.800 | |
| -28.000 | 12.000* |
| -6.000 | 53.000* |
| 7.500 | 11.000* |
| 316 | 46.000* |
| -52.400 | -0.022* |
| | -0.005* |
| | 8.250* |
| -0.833 | 446.684 |
| 0.528 | -52.400 |
| -0.164 | |
| 93.195 | 0.074 |
| 38.081 | -0.161 |
| | |
| 0.553 | |
| 0.805 | 41.712 |
| -0.214 | |
| -0.214 | -0.077 |
| -94.737 | -0.217 |
| -18.754 | |
| | -22.856 |
| | |
| -0.019 | |
| 0.269 | -0.005 |
| 0.963 | 0.963 |
| -5.134 | |
| -52.082 | -52.586 |

-208653

SW Van

13 11.5

-2 33

-0032±5.8 -018±5.3

11. 29.856 1912.7

$\frac{119}{566.19}$

23.55 1911.9

$\frac{+69}{22.86}$

7

$\frac{29.799}{+18.7}$

$\frac{32.72}{-11}$
32.83

1936.35

3496

$\frac{29.811}{-607}$
 $\frac{804}{910}$
-165

33.20
+14
33.06

1933.88

$\frac{32.95}{-09}$

61 egg grams
-15.7

over

$-0045^8 - 008^8$ Burns Blackout
~~Doctor Alfred Brown~~
 Brown

$$\frac{-0045 - 009}{-067 - 009} \quad m-m \quad = 067 - 005$$

$$\frac{-067 - 009}{6.55 = 205Pa.} \quad 272Pa. \quad 6.499$$

$$7.15 = 202$$

~~50Pa.~~
 250Pa.

| | | | | | | | | |
|------|-----|------|-------|-------|-------|-------|------|-------|
| -812 | 468 | -349 | 12578 | -0000 | 12378 | 4647 | +70 | +8.2 |
| 578 | 729 | -366 | -1836 | -0366 | -2172 | -58.4 | -53 | +8.4 |
| -081 | 500 | -862 | +0257 | -0213 | +044 | +11.2 | +141 | +12.9 |

-476 -80 4B
+11 MPTII

SW Vin 13 11.5 -02 325 8.2-5.4
150±

c = -15
-0.06
-0.007

m-m 7.15 +70-53+14
272 ps. ~~3~~ 616 ps

6.85 3.4 -5.65
+1.70 +1.85 727
+0.82

Egg on / Archibuteus

6.16 ps

-0.67 -0.08
-0.65 -0.04

3.5 1.9 +0.3
3.4 0 9.1

SW Vin 6.8 +1.73 +0.85 -5.55 +70 -53 +14 -67 -15.0 150±
3.45 +1.90 7.15 +24 -21 0 -9 MPTII +600

237

2.50 + 1.90

252

243

1.1

7.4

-6.3

(-53)

0.000*

13.000*

11.500*

-2.000*

-32.000*

-0.065*

-0.004*

7.250*

2.4

302.6

281.838

-15.000

0.241

-0.353

+78

73.129

-0.192

-0.363

-53

-48.797

0.017

0.862

-8

-8.045

R.A. : 13.200
DEC. : 6.750
PM. R.A. : -24.000
PM. DEC. : -53.000
DISTANCE : 8.800
MODULUS : 575
AD. VEL. : -22.800

q1 (U) : -0.809
q2 (U) : 0.519
q3 (U) : -0.274
dU : -39.045
U : -16.215

q1 (V) : 0.581
q2 (V) : 0.778
q3 (V) : -0.240
dV : -261.074
V : -144.768

q1 (W) : -0.089
q2 (W) : 0.353
q3 (W) : 0.931
dW : -78.679
W : -66.509

812

-11-0

710

560

-2288
2.2 gMY

13 13.6 +6 46

MC III

530 +129
524
586
466
1
PH6P

(Some Col'd with growth)

Mean

215 5.55
+460 +1.35
+455

-025-062

Exp
48

E = +03

658 / 53
+160 +1.26
+160 Mean

5.24
1459
3.25
3.25
4.0
3.85

E = +03

115322 7.15
5.55 +1.32
+160 -375 -2 -101 -50 -30 -22.8 70 ± d
811 -2 -25 -7 -42 MC III 480

Wlem
-406291

13

13.5

24

24

-0017
+ 4
-0013

-0016
+ 3
-0013

700
+amp

115322 13 13.9 +4 46 g m y

840

7.10 +1.60 +1.60 t3 -116 -57
5.40 +1.30 m m y -2 -26 -7

-22.6
-0.030 -0.052

(102,65)

0.1
+0.5

(102,65)

-0.16 -0.53

-0.24 -0.53

-24

-53

9.5

Var 70 d
comp. 0.3 in V

R 11.10
R R 6.5

5-22-18

to the summer
student

107582

118289
18377
8051

13 33.4 +08 33 7.1 g m4 +23.18
-003464.5 +008±3.8
-24 +2 3W

22.377 1901.0 +8 3251.64 1892.6

167
—
1544

46
—
51.18

22.433
23
—
456

460
—
084

340

51.49 1933.6
-15
—
51.34

22.437
27
—
464 120

495 +1.30

51.48 1934.38 998
-27
—
51.21

35.0
—
42.4

+50 +19 -44
-25 = 7 +11

460 128

51.28
—
+10

+38 +5

362
3857
347

7.65 = 340
~~28.8~~

+55.5
-26.8
+40.0

