

3856

00 394 + 65 62

177

1013.02 - 89

9124 4454
2885- 4054
6910 0187

u Phe

0 39.0

-46 22

+16.05 a

H9180

4.58

+0.97

68.44

mm

W378

-0.27 +0.01

5.64 6.67

(-0.26 0.00 6.6

-0.13 +0.02 N30

-0.15 +0.01

+2.2

-0.26 0.00 6.6

-0.13 +0.02 N30

-0.27 0.00 6.6

-0.22 +0.01

S:

169 586 -724 690 -023 +001 +16.5 0 -149 0
004 0 -023 0 019 -021 +0.4 +112 +4.9 017

+12 -4 -12
-9 -4 -16

~~+12 -3 -12~~ 015

+13 -7 -12 012

+11 0 -16

+13.6 -11.1 -11.9 005

-14.2 +2.7 -15.6

+13 -8 -12 01

-12 +1 -16

+13³ -9.7 -14.9 009

-12.9 +1.8 -15.6

086158

00 394

+8504

-440

+35.9

-3.1

11.1

-44

q1 (M) : -0.039
 q2 (M) : 0.923
 q3 (M) : 0.382
 DM : -12.871
 M : -40.076

q1 (U) : -0.527
 q2 (U) : -0.344
 q3 (U) : 0.777
 DU : 14.537
 U : -13.954

q1 (U) : 0.849
 q2 (U) : -0.171
 q3 (U) : 0.500
 DU : -12.758
 U : -45.682

R.A. : 0.650
 DEC. : 85.050
 R.A. : -44.000
 DEC. : -3.100
 R.A. : 11.100
 DEC. : 1660
 DISTANCE : ~~49.000~~
 VEL. : *Arch*

58

4000 00 39.7 -53 29 F8 -0.5 / SA

8.7 10.57 — Cont

+050 +180

PPM

00 82 / 33

073 133

123

133

4.2

-0.5

R.A. : 0.650
DEC. : -53.500
PM. R.A. : 123.000
PM. DEC. : 133.000
DISTANCE : 4.200
MODULUS : 69
RAD. VEL. : -0.500

q1 (U) : 0.845
q2 (U) : 0.460
q3 (U) : -0.260
dU : 584.04
U : 40.53

q1 (V) : -0.52
q2 (V) : 0.77
q3 (V) : -0.35
dV : 303.80
V : 21.19

q1 (W) : -0.01
q2 (W) : -0.4
q3 (W) : -0.8
dW : -290.3

59

4004 0 40.1 +29 50 7.9 12.7 -11 -2160

+290125

" 002 -046 Y
+1

389

-024 -049 20010

20013

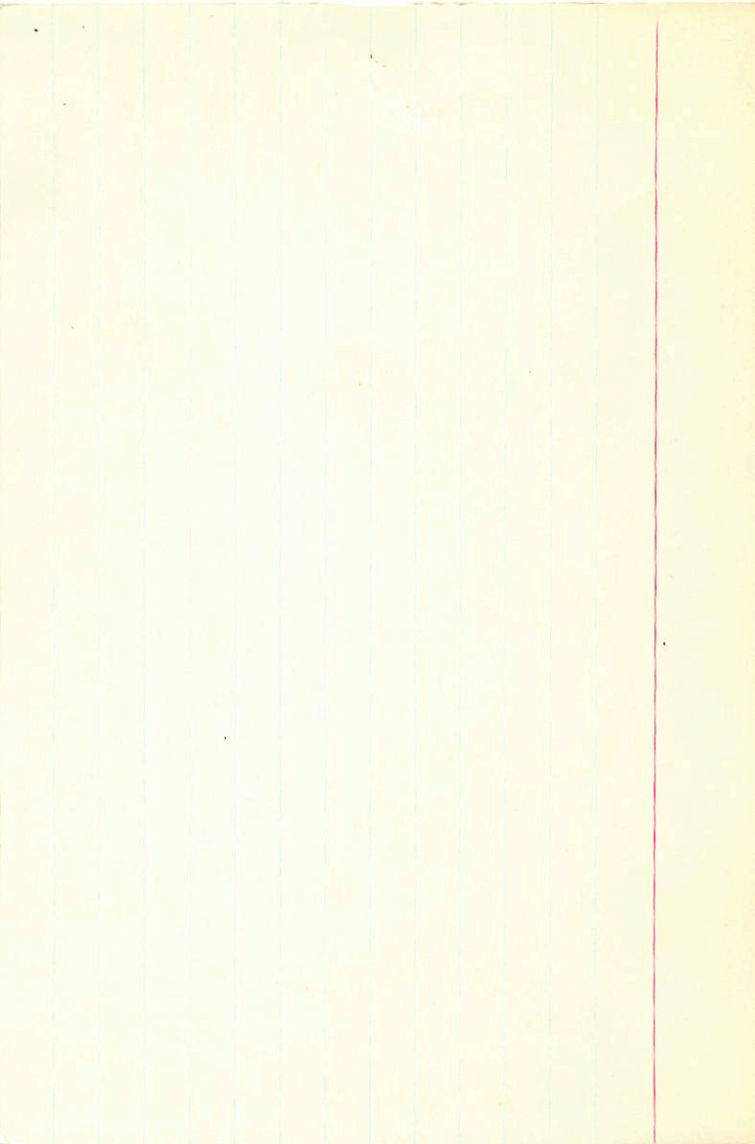
0020

20013

+848 +310 -35

-524 +441 +842

-35 +725 -538



4053 36-141

W 40.2 -36 18

M II
+0132 5.8
4665 10.1

716.8
713.7
713.4

12.5019.5
505

+0002 +020 4665 10.1
+0004 +013
+0003 +021

45.52
47.17

64.86

12.525
10
515

45.54

-0002 +018

5460

12.519
-30
489

4672

+0005 +0196

+0191

4661

+0002 +015

3958

12.525
10
515

4657

2.5

4945
+9
4945

1.5

8.5
14.5

09

S.P.O. 22^d 2 sp.

0 87 24 90² A 5^{II}

4058

0 40.7 +46 45⁻ 5.0 A5 +13.46

392

-0024 ± 2.6 -033 ± 1.9 G6 -799 ①
-0029

60856

0 40 41.414 1884.7 +46 45⁻ 5.19 1889.9

IT Cas

157
41.571
1.98
7.17

39 18.48

1 22.852

40 41.332

41 44.59

~~41 44.59~~

44.59

123

1926.5

36 6-2.5

6 13.78

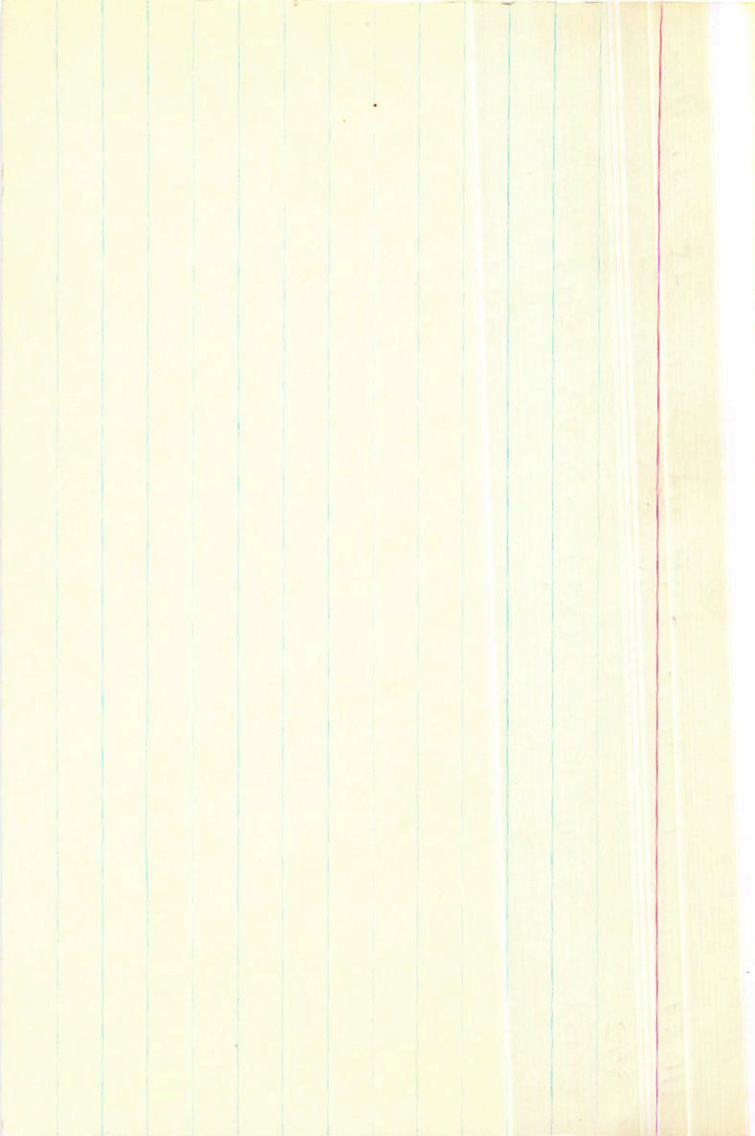
45 6.29

5.99

+21

6.20

97



G70-4

H04096

0 40.9 -01 10

-45.7 (3) Van
-43.7
8.8

Gc859

8.8

w 394

dG-3 -52.1 w(3)

-1088

Y133

w(+47) 015

A05608 30" optical B 9.5

Gc

-102 -228

-73 -55

+13 015

-67

-55 +816 017

-58

-49 +21 020

013 ± 16 0(4)

1000-500

-006879.3 -22846.5

-0085

-209

0 410 51.520 1900.5 -1 9 5.5.62 1897.8

337

51.957

-0076 -217

11.50
9 4372

51.548

+3

-0074 -218

52.07 190726

329

51.97

+10

469

551
1506

11555
578

51.95

+25

334

51.604

11555
578
279

50.4

+16

19294

350

604

50.24

+1

220
51.1

273
8

4042 0 40.9 +70 33 6.9 9.68 -3.08

395 +0022 ±4.4 -013 ±3.9

HR960 0 . -014

0 40 54.440 1797.7 +70 33 1.04 1898.2
-115
.325

54.273
+053
.326
0

1.11 1945.25
-05
1.06
-.65

ID 4150 η the

W 397

GC 8666

-00007
+00002

± 32

-0011 ± 2.4
-0010

0 41 06772 1909.2 -57 44 13.45 1939.5

029

50

0 41 06.801

-57 44 13.95

0 41 6.808

-57 44 13.60 1939.4

I Cape

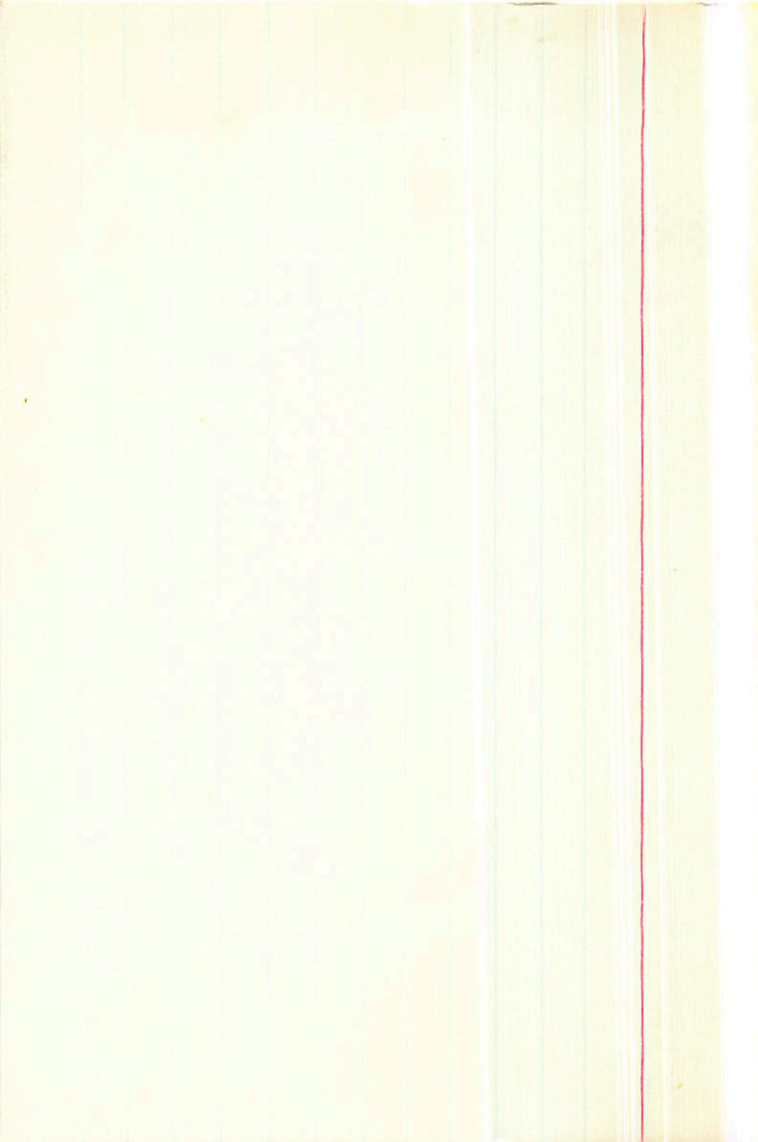
+ 007 30.0

+ .35 34.6



4142 00 41.6 +47 35 56 85 -60c

-0047 +008 N30
-0039 +018 80 →
-0039 +013



BG Prod 0 41.9 +40 24 7.5 ^{M2IV} ^{compo} ^{gM2ap} -96.0a
 4174

403 +29167 +0007±4.7 -007±3.6 ^{Dist}
 68880 +0005 -012 -54(16)

0 41 5-2,685 1902.3 +40 24 22.42 1897.9
 -033
652

16 9.2 1927.4

8 13.30
22.54

24 22.29
22.21

+1.18
22.39

22.6
 22.6 1929.7

-17
22.41
 22.43 / 22.41
 -37

263

40 30.78

41 21.758
52.538

+1.00
67.9

-0.017
66.9

52.66
66.4
 +0.12

HR

199

-63.2
42.4

00 42.4

46

-51
-3.4
-44

003 ± 83

21.772 3.3

9.57
20.815

± 10.0

16.88

14
16.74

16.103

27.04

24.04

8.112
21.225

18.02
16.02

21.876 15.11

149
33
-5.27

(41.63)

15.50

21.510
1.57
4.89

16.26
10.34

~~16.64~~

HRISF

4293

C
CC 900

0 42.6 -42 5-7

5.94 10.28 A70

A7111 Strunk

-071 -104 G-4

-087 -102 N

-087 -100 F

-082 -102

Sp. B. Van

+1 B C,

+14 16 Str.

-0079 -102 N30

-0057 -099±43 G-4 low to N30

-0066 -100

-00804 -1007 F14 023

-075

-0883

-086 -105

4.1

117

185 483 -681 733 -082-102 +1 069 -1 -355

002-043 -08/068 -313 -445 +0.7 +1 0 025

-10-16-14

-22-9 +5

1/2



[Faint, mostly illegible text or markings, possibly bleed-through from the reverse side of the page.]

[Handwritten mark, possibly a signature or initials, consisting of a large loop and a vertical stroke.]

0.700
- 42.950
+ 117.000
+ 105.000
4.100
66
7.000

0.846
0.507
- 0.165
- 595.000
- 40.510

- 0.533
0.819
- 0.213
+ 191.510
- 14.140

- 0.027
- 0.268
- 0.963
144.290
2.792

6

198 0 42.6 -42.57

4243

900

5.93 + 29 (405) come

(+186 + 168 + 831 - 593 m)

5.93 186
5.93 186
184

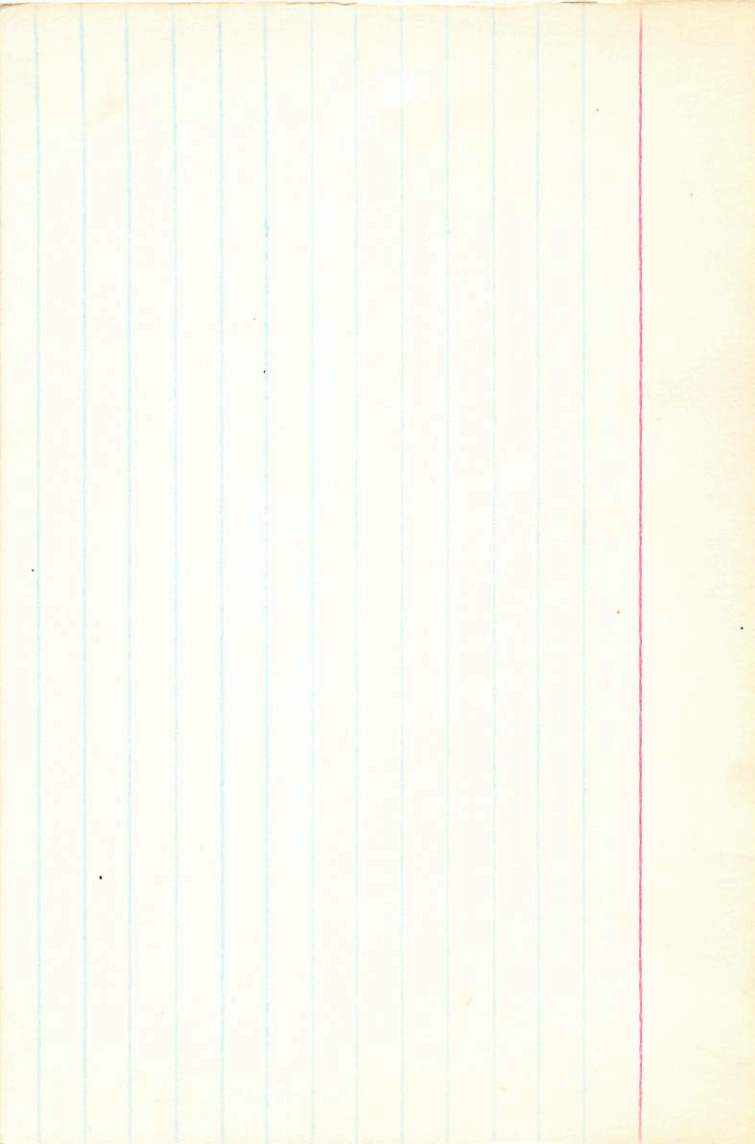
163 815
164 816
165 817

2.753 2.745
2.745
2.749

new?

+1.0 t Cape
+14 165th Ep0

②



42608 00 42.3 +74 43

4161

42608 - 017.7 - 02.56

-8955

-8034

+268 407-34 CP
-13
430 9255

+0246 ± 60
+0247
-74 32

~~+474~~
+25 ± 10

890

+099-042
+4

+0.044-03
(1.61)

-29.11

+57
+103-42

+0.044-03

17.563
-1.213
16.350

1400.7 -74 32 16.42 1897.6
2.41
N.O.F

2.41

+086-025

N.O.F

N.O.F

17.48

322
-25
297

17.4

-14.18
15

17.4
-38
17.9

17.4 1947.9

R.A. : 0.700
DEC. : -74.550
PM. R.A. : 322.000
PM. DEC. : -25.000
DISTANCE : 3.900
MODULUS : 60
AD. VEL. : 23.500

q1 (U) : 0.846
q2 (U) : 0.346
q3 (U) : -0.406
dU : 303.002
U : 8.713

q1 (V) : -0.533
q2 (V) : 0.586
q3 (V) : -0.610
dV : -286.018
V : -31.581

M
q1 (W) : -0.027
q2 (W) : -0.733
q3 (W) : -0.680
dW : 75.803
W : -11.412

62

SGPA 266

-310274

00 42.3

-31 40

424201

+002458.3 -005 ± 8.3

66892

19.554 997

+0015

-009 4605

489

$$\begin{array}{r} 120 \\ 434 \end{array}$$

+0034

$$\begin{array}{r} -006 \\ 26 \end{array}$$

$$\begin{array}{r} -007 \\ 45.79 \end{array}$$

19.578

+0024

46.33

1957.21

-070

+0027

-0052

-01

$$\begin{array}{r} 534 \end{array}$$

$$\begin{array}{r} 96.38 \end{array}$$

+0345

+036-000

19.687

46.13

7082

$$\begin{array}{r} -15 \\ 672 \end{array}$$

0.7

-08

-3166

$$\begin{array}{r} 7671 \end{array}$$

+42

-10

6.45

63

32

- 0. 211
- 1. 885
- 0. 997
- 0. 074
- 0. 027

- 25. 407
- 130. 302
- 0. 848
- 0. 845
- 0. 533

23. 055
118. 242
- 0. 862
- 0. 538
- 0. 846

0. 000
195
5. 450
- 10. 000
42. 000
- 31. 660
0. 700

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1507

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CM

R.A. : 0.700
DEC. : 0.000
PM. R.A. : 270.000
PM. DEC. : -50.000
DISTANCE : 2.200
MODULUS : 28
AD. VEL. : 22.600

q1 (U) : 0.846
q2 (U) : 0.484
q3 (U) : 0.225
dU : 968.032
U : 31.745

q1 (V) : -0.533
q2 (V) : 0.745
q3 (V) : 0.402
dV : -858.079
V : -14.539

q1 (W) : -0.027
q2 (W) : 0.460
q3 (W) : -0.887
dW : -143.773
W : -24.015

4266

DU 42.9 + 56 30 7.69 F1 -25C

GC906

-0060 ± 10.0 + 002 ± 9.0

W414

52.383 1903.0

$$\begin{array}{r} 252 \\ \hline 663 \end{array}$$

6.48 19020

$$\begin{array}{r} -09 \\ \hline 6.59 \end{array}$$

52.687

$$\begin{array}{r} -14 \\ \hline 6.71 \end{array}$$

6.72

$$\begin{array}{r} -24 \\ \hline 6.46 \end{array}$$

19 46.96

-0015 +002
- 2 + 1



6-2962

Bud 51

691 0 43.0 +57 17 1900 +1367 - .518

 $\rho = +9.4$
 η_{60}
 $3.44 + 0.58 \cdot 0.00 \quad 3 \quad 20''$

$$\Pi = 0.17 \sqrt[4]{\frac{100^4}{(\eta_{60})}}$$

 $m \quad v \quad m \quad \log \quad R^{1000}$

A $3.47 + 0.58 \quad 0.00$

 $+1.67 \quad 0.86 \quad -0.4 \quad 3.30 + 0.22$

B $7.50 + 1.29 -$

 $200'' + 870 \quad 0.56 \quad -0.3 \quad 6.42 + 0.59$
 $n \quad v \quad w$

$$m_2 = 0.894 (m_1 + m_2)$$

 $+30 -10 -10$


$\rho = 480$
 $a = 11.9939$ } Standard A.S.D. 4,760, 1949

6.12
35
604
75
580
905

301
325
260
179
489
370

604

+0117 ± 83 -077 ± 6.3
+0118 -063

4277 00 43.0 +54 42 8.0 F8V -17A

90P

41U 58.313 1907.7 +54 42 20.06 1906.0

A105630

9th 13th

-495
818

104 -067

339

23.45

21.21 1945.64
-24

58.272

279

629

39.4

20,9

21.01 1946.96

58.294

461

-23

260

292

20.78

46.8

20.88

190

~69

610

~19

-2.57

40.8

65

207 00 43.5 + 59 18

-0017 +005 N30

-0017 +0055 0.7

-013 +543

-25.5
+5

7.6

14.9

$-013 + 0.005$

q3 (W) : -0.13
dW : -327.80

W : -0.0001

: 0.700
: 54.700
: 180.000
: -67.000
: 4.000
: 63
: -17.000

: 0.846
: 0.096
: 0.525
386.630
15.476

65

66



1952
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2050

20

0.700
59.300
-25.500
5.000
8.500
501
-14.900

0.846
0.053
0.531
-50.935
-33.434

-0.533
0.034
0.846
33.675
4.277

-0.027
0.998
-0.057
25.326
13.547

bb

AOS635A external +3.00V -0012 = 9.8 -056 ± 2.8
 4372 0 43.7 +30 40 7.4 -071 6-5 +13.0 8

424
 92B
 +2
 R11Z Hallmarks ~~HEE~~

+30 40 14.29 1886.4 -208870

2012 -065 Caution 3.56
 -016 -065 17.85

42.898
 895
 15.07 1927.85

42.89
 +002
 892
 35.2

15.04 969
 17.58

19.8 1929.7
 -15
 17.65
 28.8
 42.4

-16
 -65
 465
 113.0

14.84
 3.01



67

807.0
808.0
809.0
810.0
811.0
812.0
813.0

814.0
815.0
816.0
817.0
818.0

819.0
820.0
821.0
822.0
823.0

824.0
825.0
826.0
827.0
828.0

R.A. : 0.700
DEC. : 30.650
1. R.A. : -18.000
1. DEC. : -65.000
DISTANCE : 4.500
MODULUS : 79
D. VEL. : 13.000

q1 (U) : 0.846
q2 (U) : 0.301
q3 (U) : 0.440
dU : -154.931
U : -6.587

q1 (V) : -0.533
q2 (V) : 0.435
q3 (V) : 0.726
dV : -95.061
V : 1.884

q1 (W) : -0.027
q2 (W) : 0.848
q3 (W) : -0.529
dW : -259.371
W : -27.477

67

404414

0 43.8 -25 49

(4) -16.5 ± 1.5

9.08 10.27 11.55 10.2

+063 -038 Y

0 +12

063 -026

+4

+067 -026

150 55 2 - 435 500 +063-038 -K.S 017 +7.2 -164 ✓
-012 -003 062-017 -155 250 448 -145 -2.8 006 ✓
✓

-45 +44 -20

+26 -57 +23