

~~202-02 1"~~

1860 5 307 +20 26 867

077

-07-40  
+07

6.18 008 106 543 2.728 867

108 541  
214  
757

low 4.66

003470

-0086  
+ 32  
-0054  
-0007  
+ 11  
+ 0028  
- 0010  
+ 36  
1 part

-0110-000

M<sub>v</sub> -0.5  
V<sub>0</sub> 8.89  
6.95

5.5  
+20.4  
-10.5

6.95

5

-1  
6.65  
+36

~~5.500~~

20.400

-10.500

-1.000

6.650

214

36.000

0.048

0.149

0.988

-2.920

34.935

-0.547

0.831

-0.099

21.591

1.064

0.836

0.536

-0.121

-41.519

-13.225

541  
 11765 + 1028 (500) - 1002  
 + 10020  
 1599 - 08 43  
 + 1005 - 006  
 + 1024 ± 13  
 + 1020  
 + 1022  
 + 1021 - 005  
 184287 25918 71795 473 540 + 035 + 1027 x  
 + 035 + 1027 x  
 + 75.2 3 ph 4  
 Remain

10024 - 103  
 1507.6 + 6276 - 0143  
 34.04 + 60296 - 0129  
 47.03

8 42 47.43 1933.90  
 1 - # 33  
 47.10  
 405 405  
 1210 1210  
 474 474  
 670 670  
 70.45 70.45  
 54880 54880  
 8 43 75.85  
 1 28.50  
 42 47.35  
 + 31  
 47.04  
 446  
 446

1934.08 5485  
 10442  
 10440 - 019  
 184287 + 056  
 71711  
 54785  
 761  
 761  
 761  
 761

10126 - 0145 + 0017 - 0.7  
 - 0828 - 0160 + 0986 - 40  
 + 1710 - 0095 + 1115  
 086 614 785  
 - 563 674 - 470  
 822 402 - 404

+ 46  
 - 14  
 # 3.0  
 180.5  
 - 30.5

R.A. : 5.300  
DEC. : -8.700  
1. R.A. : 46.000  
1. DEC. : -14.000  
DISTANCE : 8.300  
MODULUS : 457  
D. VEL. : 80.000

q1 (U) : 0.093  
q2 (U) : 0.610  
q3 (U) : 0.787  
dU : -20.372  
U : 53.664

q1 (V) : -0.567  
q2 (V) : 0.683  
q3 (V) : -0.462  
dV : -167.408  
V : -113.446

q1 (W) : 0.819  
q2 (W) : 0.403  
q3 (W) : -0.409  
dW : 149.723  
W : 35.717

1761 5 18.7 +3 58 05D

34539

shd

6.51 -09 -48

emm

-015 083 572 2.592

080 575

160

735

~~00109~~ -0040 W3 50

-0057

+5.0

-0110  
~~0110~~

5.3

+4

-1.5

-6

7.4

+5.0

615-006

~~5.000~~  
4.000  
-15.000  
-6.000  
7.400  
302  
5.000

0.093  
0.422  
0.902  
-18.601  
-1.107

-0.567  
0.767  
-0.300  
18.359  
4.043

0.819  
0.483  
-0.310  
-71.808  
-23.238

1740

5 16.7

+38 54

A577

875

1225

061

1559

2.723

✓

124

1554

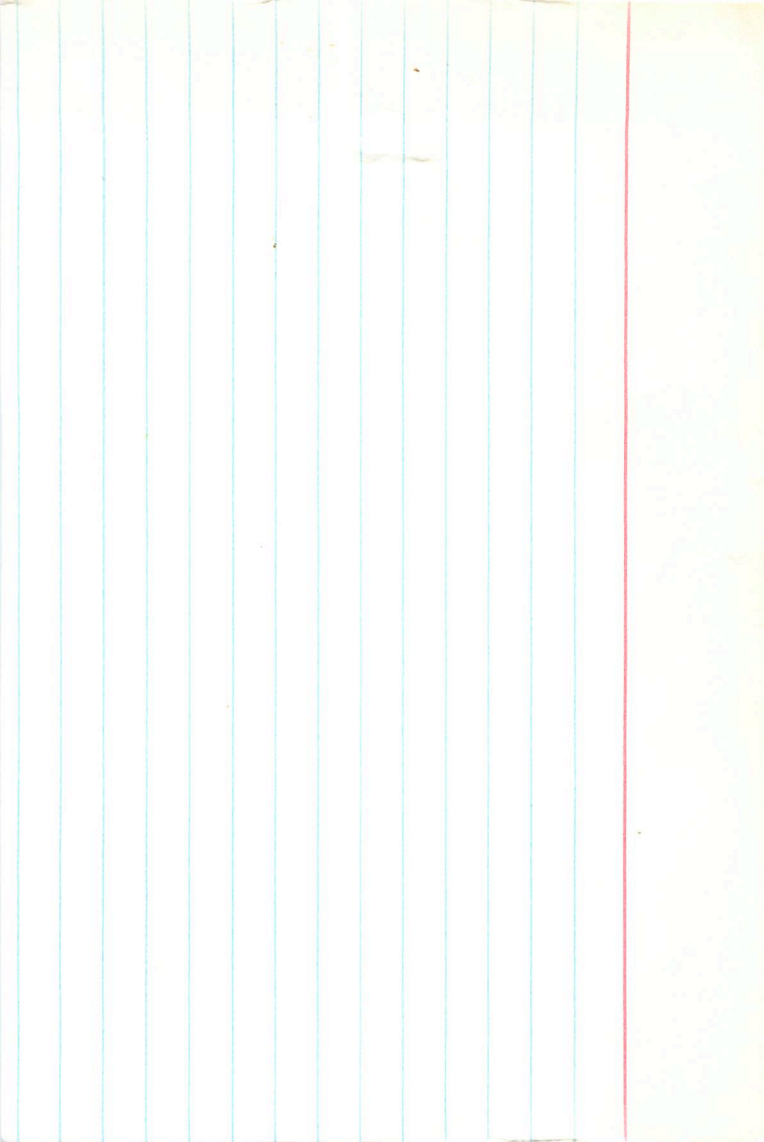
—

01

1902

:

-3.5





Blin 5 12.1 -8 16 B8Ia

1713

34085 0.13-0.03-65 65

640  
d. 8.6  
a. 8.6  
sfb

026 055 290 2.550

060 285

$\frac{.120}{405}$

0.1

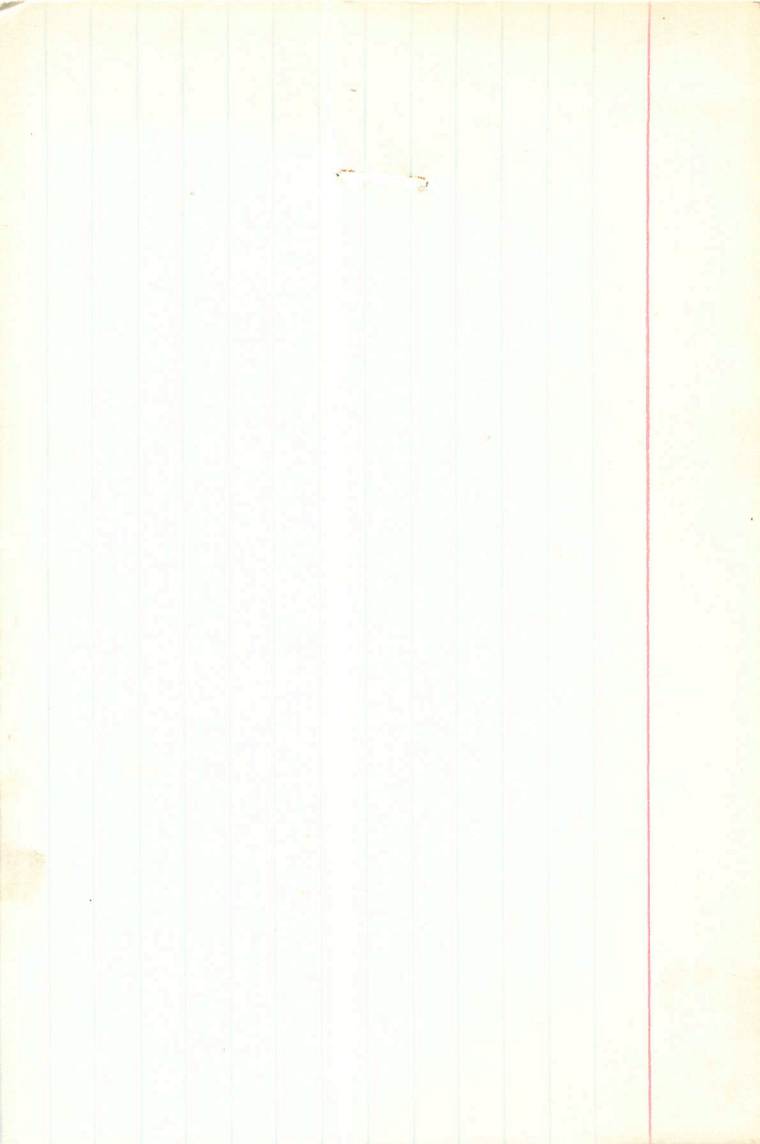
-8.7

-00027 -0018 F124

+20.0

-0036

001-003



AE Run

1712

5 13.0 +34 15

09.55

3408

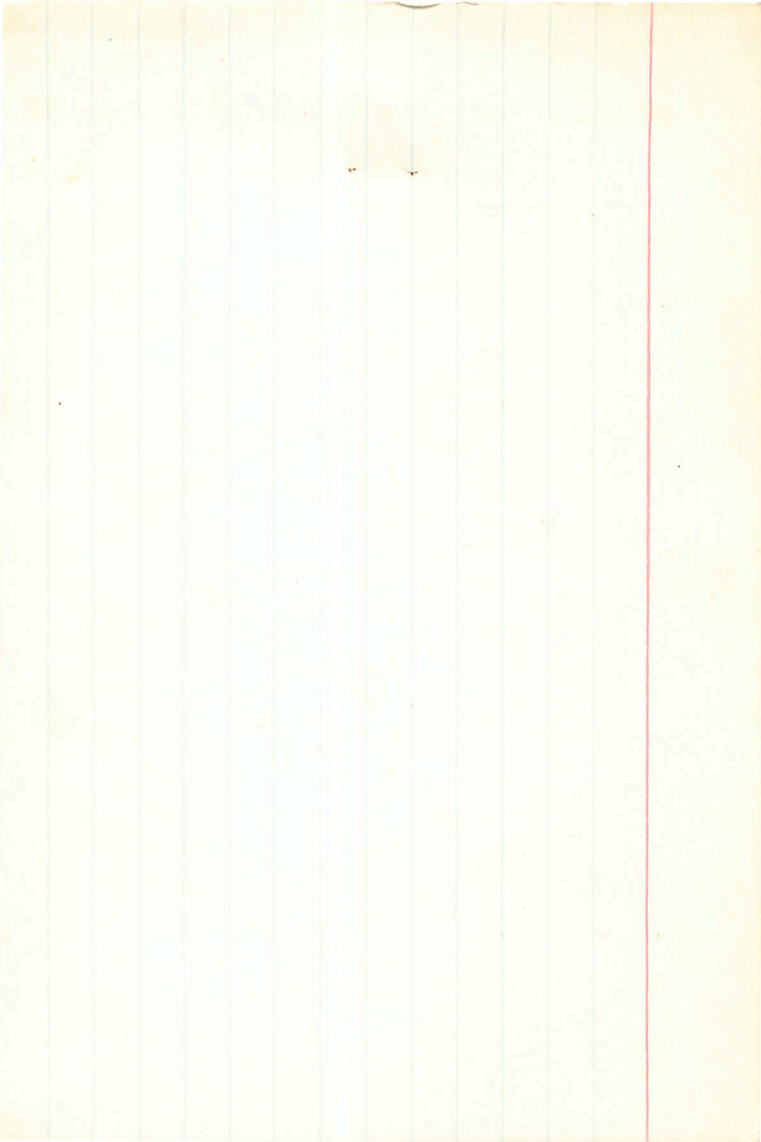
5.54 +0.22 -0.72 3 62+

6429

+247 -034 -060 (4)

2.588 (3)

-65  
-128



K 4  
705

5 10.9 -13 01

88 1/2

33549  
6887

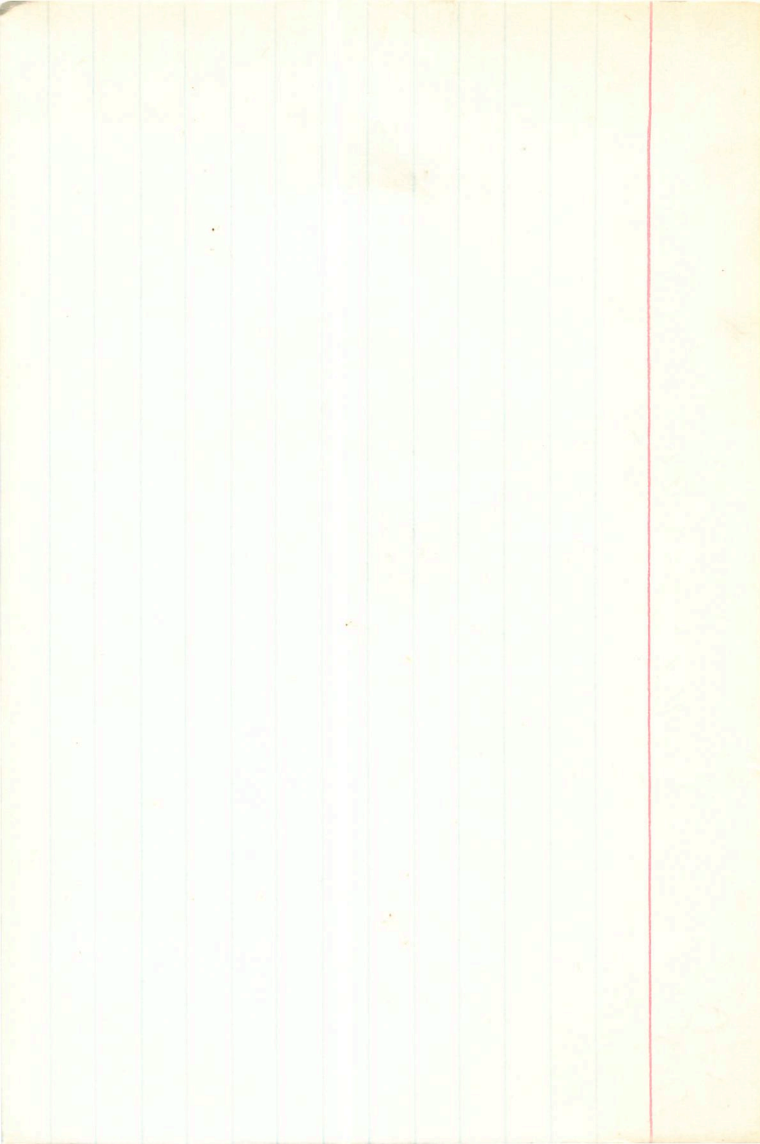
-026 + 708 (2 1/2) 2.720 (3)  
687 713 174 987

7m 3"

4.26-10-34 35 (987)

Varied

(-1.1)



103 Tam

79

Cens-Tam

1659

5 05.0 + 24 12

B27A

32550

~~5.50~~

58 58<sup>d</sup>

5.50 + 0.06 - 0.55 = 4.91

6247

+095 +053 +259 ② 2.637 ③

2703  
26276  
66

+010  
-015

106  
365

8860 -601 ±0

91 84

+154

273

F = +58

000 -002

V0 = 466

7.60

B-V0 - 0.22

21-130 -75

MV -2.95

1659.000\*

5.000\*

5.100\*

24.000\*

12.000\*

0.000\*

-0.002\*

7.600\*

295 331.131

15.900

-0.001

0.986

115 15.405

-0.008

0.013

-2 -2.341

-0.005

-0.166

-7 -4.458



1641.000\*

- 5.000\*

3.000\*

41.000\*

10.000\*

0.028\*

-0.068\*

4.6

4.900\*

825

95.499 *821*

7.100

0.086

0.968

14

15.038

-0.326

0.253

-25

-29.303

-0.090

0.005

-8

-8.587

1646

5 0 2.4

-3 07

8514

32686

+26.7

6.05 -13 -54

-055 101 457 2685

91 468

182

650

$m_v = -1.85$

~~-0507~~ +801

-0105

-608 050

7.75

1646.000\*

5.000\*

2.400\*

-3.000\*

-7.000\*

-0.008\*

0.000\*

7.750\*

354.813

26.700

-0.006

0.834

20.232

0.022

-0.354

-1.515

-0.030

-0.423

-21.961

162

5

120

5.25

264

3

42.5

AOE

+3.5

+25

0000

-032

51.44

87.7

2.034

87.5

0000

-027

1.55

348

1.980

505

188.1

10004

87.76

44.81

0

51.46

5.100

73.900

-3.500

-30.000

5.400

120

5.000

0.139

-0.696

0.704

98.375

15.349

-0.584

0.517

0.626

-70.786

-5.381

0.800

0.498

0.335

-74.524

-7.284

1683 5 12.0 + 73 12 A0

33541

6405

-029 171 891 2.887

-004 937 906 2.875 JG  
136 ~~274~~  
1180

907

274  
906  
1180

272  
1179

0264

-6007  
x3

-030

head

sp dhd hmi

1426

5.000  
-20.100  
32.000  
-19.500  
4.500  
79  
24.200  
  
0.161  
0.750  
0.642  
-46.342  
11.850  
  
-0.592  
0.594  
-0.545  
-139.261  
-24.242  
  
0.789  
0.292  
-0.540  
85.394  
-6.283

1643

5 06.0

+73

53

5.43 09p 50

91

±22 ±16

2736 5N

+0024 -023

9.10 20

692

+0010 -026

1.57 10.65

2624

+0030 -021

9.74

+6455

+0020 -030

9.54 4475

+688 652

+0

5.1

1050

2681  
1497  
115  
796

+0010 -00245

9.44 57.35

+739

+0007 -0024

+10 9.59

-30

+0028

4.9 8.4

1001 -030

7.5



5494

~~14~~

~~432~~

~~247~~

14

Double Bar 1.725

\$ 06.0 +73 53

1643 Si 500

+3.0

32650

228

-78

136

704

15

+2.0

-40  
+0015 -0310 1300+

+00110

+0045<sup>36</sup>

+001 -032

5

689

2753

2859

272

976

-0.85

W -0.2

958

127  
254  
707

6.65

5.5 565

126 135

+16

+16

-9

-9

-9

1643.000\*

5.000\*

6.000\*

73.000\*

53.000\*

0.001\*

-0.032\*

6.150\*

169.824

~~3.000~~

+9.3

0.106

0.704

20.155

-0.081

0.626

-11.907

-0.072

0.335

-11.187

1643.000\*

5.000\*

6.000\*

73.000\*

53.000\*

0.001\*

-0.032\*

5.850\*

147.911

9.300

0.106

0.704

22.265

-0.081

0.626

-6.187

-0.072

0.335

-7.503

Bo 5 15

1640 5 01.6 -14 27

32612 6.40 -14 1.20

216.0 -079 088 193 2665

074 209

-801

148  
357

10001

$m_V = -1.7$



1640.000\*

5.000\*

1.600\*

-14.000\*

-27.000\*

.0.004\*

-0.002\*

8.000\*

398.107

16.000

-0.004

0.714

10.010

-0.017

-0.488

-14.684

0.012

-0.503

-3.376

Price

1617

Y 59.0 - 7 15

B 27

2595

32249

6188

4.81 - 0.19 - 0.75 2.5 - 0.85 + 0.76 + 2.70

422

2661

-0018  
+

-00136  
+ 6002

-0014  
+ 0.010 60 + 21.5

-00016  
+ 00912  
-0012

+ 2.546

E = +3

V = 472

B - V = -22

h - B = -77

mV = 2.3

2.718  
2661  
57

7.0

MV = -2.0

0.000 + 0.008

1617.000\*

4.000\*

59.000\*

-7.000\*

-15.000\*

0.000\*

0.000\*

7.000\*

6.7  
219

251.189

25.400

0.022

0.792

+25

25.713

0.027

-0.396

-4

-3.400

0.015

-0.465

-8

-7.949

1600 4 56.2

31764

+14 28

6.10+05 -28

816

064 724

2.709

(129)

(2) 760+06-30 26.14

(46.0)

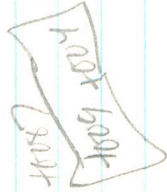
45006 +005

$n_v = -1.35$

-1.3

884

6.85



216 72 55 645 2753

120 631 871

0.4

137.5

(120) 1865

(100)



1600.000\*

4.000\*

56.200\*

14.000\*

28.000\*

0.009\*

0.004\*

6.850\*

234.423

6.000

0.012

0.951

8.590

-0.010

-0.102

-3.053

0.044

-0.291

8.523

1555 4 555 -14 20 B12

31726

6.14.22 116

-097 092 048 2634

#114

-805

075

067

150

27

-1006

MV=245



1595.000\*

4.000\*

55.500\*

-14.000\*

-20.000\*

-0.006\*

-0.006\*

8.550\*

512.861

11.400

-0.024

0.711

-4.423

-0.001

-0.471

-6.094

-0.032

-0.523

-22.333

1526 4 53.0 44 38 019

18.4 <sup>100/1000</sup> 5.87 - 0.94 119 517 2.734

49.5  
106 526  
212  
734

-00039 -0131 26

-00017 -0123

-00033 -0115  
13

-00048  
129-120

-0004 -0120

4.9  
+1.5  
-4  
-12  
6.35  
49.5

4.900  
15.000  
-4.000  
-12.000  
6.350  
186  
9.500

0.184  
0.246  
0.952  
-17.330  
5.815

-0.600  
0.795  
-0.089  
-34.211  
-7.218

0.778  
0.555  
-0.293  
-45.026  
-11.320

1574

4 52.3

+ 100 2.3

105

1000

- 504 120

(120)

5007

- 102 102

- 1025

564 041 055 450 140 275

869.7 054 550 6.650

502-004

(100)

454  
146  
12

10000

49  
+ 0.4

5.85

- 4  
735

+ 13.5

~~4.900~~  
0.400  
-2.000  
-4.000  
7.350  
295  
13.500

0.184  
0.478  
0.859  
-10.795  
8.413

-0.600  
0.747  
-0.287  
-8.465  
-6.368

0.778  
0.463  
-0.424  
-16.160  
-10.491