

8087

21 05.7 -21 24 A0B

20184

5.28 +01 +02 C

295B

(2)

5.33 000 146 1007 2.8970343

-17 5log

292
1007

1299

-011 = 6
16 = 2

-5 159 1006 2897
155 1007
210

41.924 316

41.9 317
+0012 -057
+0016 -087

44.79 20

$\frac{42.74}{42.75}$

3

$\frac{-56}{86}$

40013 -048
40015 -060

44.53 3966

41.924
 $\frac{-11}{925}$

40014 -0595

$\frac{+22}{4431}$

40015 -056

44.74 5994

41.964
 $\frac{-28}{942}$

4021
40015 -059

$\frac{44.5}{47.5}$

~~27.80~~
41.924
41.924

29.44 7081

70.56

$\frac{-21}{47.50}$

8899
 201184
 F01270
 21 05.7 -21 24 A0E -17±3 5C
 5.28 +01 (1.50) -72.5L

 -12

~~10014~~ ~~10016~~ -054 N30
~~10015~~ -057 6U P124 (Emp)
~~10014~~ -055
 10015 -060
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 10099
 10100

21.100
-21.400
23.000
-59.000
5.050
102
-12.000

0.679
0.249
-0.691
-0.619
8.223

0.013
0.937
0.350
-260.709
-30.875

-0.734
0.246
-0.633
-143.330
-7.069

32

21.100
-21.400
21.500
-56.000
4.950
98
-12.000

0.679
0.249
-0.691
-1.578
8.132

0.013
0.937
0.350
-247.471
-28.380

-0.734
0.246
-0.633
-134.972
-5.592

33

33

+0016 63.2
-017 ±2.0
-026

201433
295620

-25.8 6

V359644
B243
17 520

P = 11/3

+021-017 66

HR8094
A051482

+00165 -0215
+00193 -0178

-24103 706 2779
185
258
961

7.5 3.5
31.473 1886.9

+30 0 9.60 1889.2

-401
31.372

+1.03
10.63

+025.1

~~+025-021~~

9.26 1941.56

31.472
8
41h

0
52.4

~~026-020~~

-1.37

+092

21.1
100

+32.5

Δm = 2.3

-26133 706 d. 789

-21

5.7

A, D

-25.6

8.5
10.1
8.4

5-4.7

8
11.8

9886
1849
9388

34

1000

1001

1002

1003

1004

1005

1006

1007

1008

1009

1010

1011

1012

MC

21.100
30.000
32.500
-21.000
5.400
120
-25.800

0.679
0.695
-0.236
21.447
8.678

0.013
0.311
0.950
-29.301
-28.048

-0.734
0.648
-0.203
-162.445
-14.303

34

8101

21 8.3 +22 15

201671

29601

6.68 +0.02 -0.06 3845

(33)

014 155 952 2.882 1.51

$\Sigma = +09$

$\frac{+1.25}{5.4}$

$a = 0.2$

$a = 0.15$

$\frac{2149}{129}$

767 +0.18 +0.08 8945

1521

2014-2016
2017-2018

588 1224 885 2.882

35

8101.000*

21.000*

8.300*

22.000*

15.000*

9.014*

-0.006*

5.400*

120.226

-12.000

9.027

-0.322

7.086

-0.012

0.900

-12.243

-0.066

-0.295

-4.387

35

1,162
3,1

8106 21 087 +53 21 AP

-189 -324 -207 +255 -303 -252 -151 -12 -46 +09
577 -064 140 564 2732 0977

287 119 583
288
821

70024 020GLT

100235 1004 1124 -214

+0211

1001
1001

$m_1 = -0.75$
 $\frac{100 \ 5.75}{6.480}$

42.765 15826
 + 6022 10026.5
 + 10017.15
 - 221 80.13
 1850.9

$$\frac{142}{603}$$

$$\frac{-0.6}{30.07}$$

42.726 10024 3038 15456

$$\frac{+6}{732}$$

$$\frac{-37}{30.01}$$

$$+129$$

$$\frac{-0.6}{30.01}$$

1875

1876

1877

1878

1879

1880

1881

1882

1883

1884

1885

1886

1887

1888

1889

1890

20



8106.000*

21.000*

8.700*

53.000*

21.000*

0.025*

0.001*

6.400*

144.59 190.546

-21.400

0.085

0.063

14.786

0.000

0.996

36

-21.288

-0.083

0.066

-17.228

8109

21 08.4 + 63 85

18 > 14

201999

6.55 - 10.47

400

6.55

-0.52 112 537 2.725

96

547

792

739

-0.8
MV

MV = -0.8
VO 6.5
7.3

10016 10096
100145 1011 FM4
-23.56

10098

10013 1008

24.760

1892.9

+0016.39

+007.32
+0.11
272.91 18890

-091

1669

-43

2748

+0016 +009

24.723

28.16

1944.91

+28

951

-09

28.07

+082

+59

37

8109.000*

2.000*

8.400*

63.000*

5.000*

0.013*

0.008*

7.200*

275.423

-23.500

229 C.F
24F

0.034

0.667

153

-6.288

-0.033

0.745

PK

-26.553

37

0.055

0.032

14.309

8/1/2

21 06.5

+77.55

BS

(706)

5.50 - 05 - 24

"

5.52

-087

183801

2.805

BS

122808

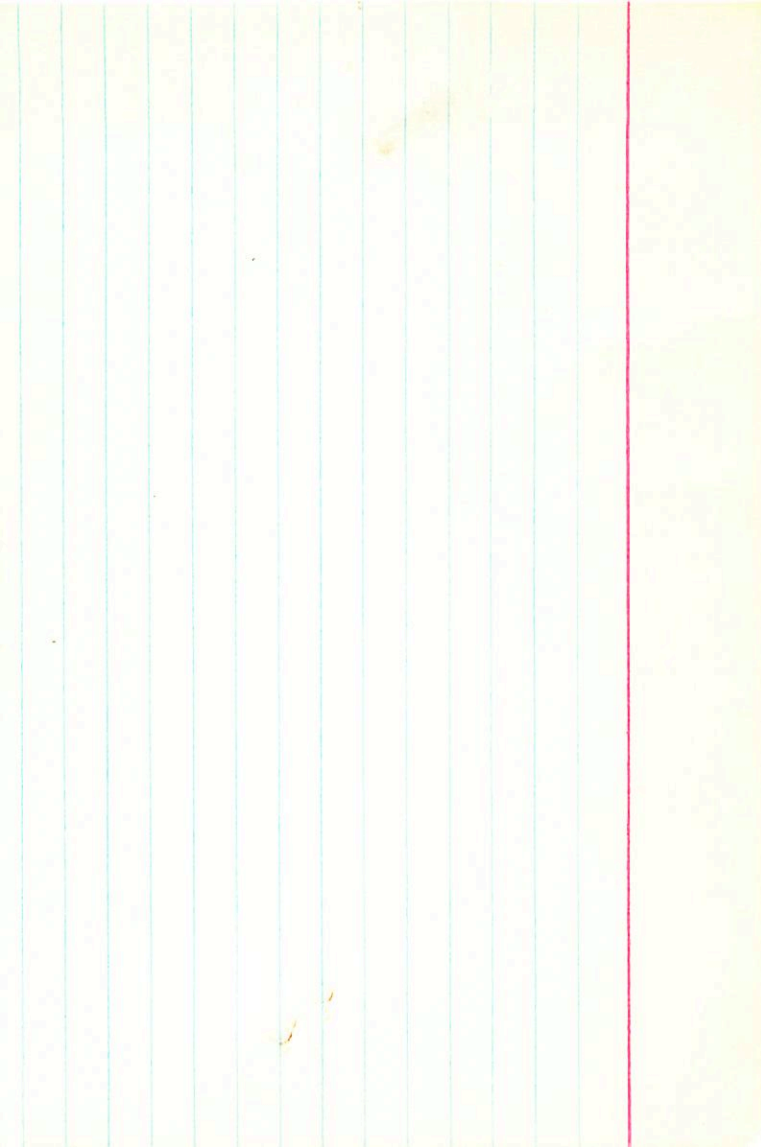
742

1052

varied

$m_v = +0.15$

$v_0 = \frac{5.7}{5.55}$



8115 21 11.6 -10 45 BS

6.76-07 137 (409)

6.77 -030 123 744 2.752 BP

114 800
228
1028
see

100 D -007 N30
100 V -007 F124
100 V -007 -38

$m_v = 0.00$
 $v_0 \frac{6.75}{6.65}$

1036
1025-110
1020

38

8118.000*

21.000*

11.600*

-10.000*

-49.000*

0.025*

-0.010*

6.650*

0.796

8125 21 13.9 -64 54 A0

6.30 -07 -21 +02

6.32 -03.5 123

123

~~008~~ 2.816 0.244

~~813~~

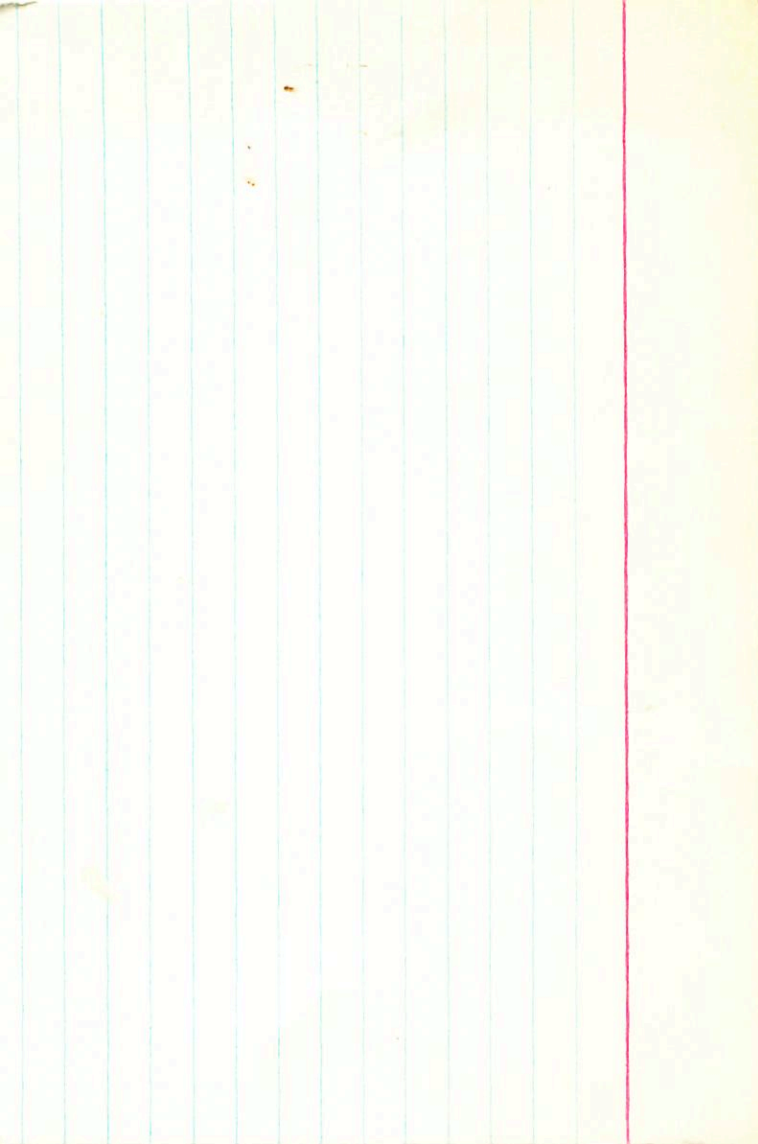
~~316~~

~~1017~~

1061

no work

$$\begin{array}{r} m_V = +0.25 \\ v_0 \ 6.25 \\ \hline 5.80 \end{array}$$



105064

8147 21 15.8 + 53 47 A0

202923 5.95

2989 37.74

019 176 1107 2.990 et al

179
358
1103
1461
1496

258 25

643 = 2
661 = 2

126

861
17.5
12.1
1027 + 0.35

2125
753.4
201.5

736 8460
5.9
-12 5383

9028
4301

+0.25
5.24

28.097 1.0 +0034 +033 12.24 1.5

167
 $\frac{830}{\cdot}$

+56 +61
 +0018 +034
 $\frac{+0013}{+0015}$ $\frac{+041}{+036}$

$\frac{-1.60}{10.61}$

39

28.057
 $\frac{+4}{060}$

+00171 +0355

12.44

44.43

$\frac{-37}{1209}$

+0152
 +018.5 +036

13.67

71.63

28.158
 $\frac{+15}{170}$

$\frac{-27}{1346}$

18

18

8147.000*

21.000*

15.500*

53.000*

46.000*

9.027*

9.035*

5.200*

109.648

- 12.000

0.20

21
5

- 1

0

0.

2.0

1.82+02-076

8.51

21 17.4

-11 02

cm/hr

203006

24070

-10 21: 488

2850.5

-004 159 862

4488

-007 200- 858

4800

858

-007 200- 858

4800

61-

211

35

12K21

6H1

+08601-0029 F14

-5-33

+0680

475

+068-006

+2.8 72

43

40



8151.000*

21.000*

17.600*

-41.000*

000*

$$-695 \ 251 \ -656 \ 255 \ +024 \ +003 \ +23 \ -002 \ -2 \ 009$$

$$051 \ -001 \ 056 \ -002 \ 251 \ 261 \ +17 \ +1 \ -1 \ 0.015$$

$$+18 \ +16 \ -1$$

$$\boxed{+16 \ +1 \ -19}$$

$$+19 \ +18 \ -1$$

$$\boxed{+19 \ 0 \ -20}$$

014

203006
Gina 29854 21 17.6 - 41 01
915 13410

+004973.9 -00373.5
+0061
+004

~~Apr + 2.32~~

4.85 + 0.02

+003 -001 12
+003 -003 62
+071 +006 MSO
+077 +003
+071 +001

Q14

34141
-079
33,912

1509.5 - 41 1 20.04 1507.7
13
15.91

37.5

19.86
12
19.74
1938.66

9410
47.0

343

1955.46

1943

1974
+16
1974

34118
-33
34118
+228
140
187

34118
-33
34118

196
-12
196

815F

21 18.0 +21 50

18615

203206

6.29

-08-50

(+09)

-042

112

527

2.955

~~99~~

535

248

783

+0002 +006 acc +

+0008 +0095

-17.18

$MV = -0.16$

$VO = 6.45$

6.2
-1

40076

4010 4006

41



1000

1000

1000

1000

1000

1000

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1000

1000

10

8158.000*

21.000*

18.000*

21.000*

50.000*

0.010*

0.006*

6.100*

165.959 101.9

-17.100

0.052

-0.299

13.700 14.6

0.012

0.896

-13.411 -13

-0.016

-0.328

3.004 +3

41

SB 2073

21 14.3 + 32 24 AFE

8169

203439

29896

5.95

50

047 150 1.171 2.865 et al

8.5

1711

~~1678~~ 21

679

107

164
322
1400

5.5

116
139
156

047 158

012 160 1164

6

1014-012
1017-103
1020-011
1020-3.0

42



1875
 1876
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 1900

22

8169.000*

21.000*

19.300*

32.000*

24.000*

0.020*

-0.011*

5.800*

144.544

-3.000

0.032

-0.173

5.105

-0.017

0.962

-5.290

-0.102

-0.211

-14.125

595
15488

75

5 42

15

(170)
W13958

21 21.2 -4 13 +4.24c

HD20355 575-04

+0030 +004

GL2550

+0030 +003 N30

FD100 ~ SM=0.3

$\rho \sim 0.15$

A014

200

5.75 + 0.04 (1.44)

21.33
-41.2
+37
-2

↑
+025 +001 P.A. 70

+028-002

+028

712-031	-702	+1147	+0004	+1151	+23.0	-2.9	+20
-028	999	015	-0045	+0142	+0097	+1.9	0 +2
-702	-009	-712	-1131	0	-1131	-22.6	-3.0 -2c

1879.90	324	0.84	4B	1913.70	288	0.84	2I
1897.20	278	0.96	55 sec	1917.20	288	0.80	2V
1898.70	295	1.07	44	1920.80	287	0.94	3S
1932.39	283	0.71	4V	1925.6	283	0.91	8V

1936.62 262 0.73 4 Same

1947.77 277 0.58 4B

1959.61 267 0.48 4B

1961.67 269 0.54 3 Range

8186 21 20.8 +38 25 42 ~~4~~

203046 6.45

24939 012 159 1.068 2.850 (25)

163
324
1064

1398
141
1.41

126
021 = 2
048 = 2

163

+0.8

5.65

2133
+39.4
+2.5

79
54
153

-153 d
~~1000~~
-1510
-1510
-1510
-1510
-1510
-1510
-1510

4102014

46.993 1905.6

000 ± 6.9 - 0.24 ± 6.9
-0003 -017 11.50

1502.1

1.12
12.62

46.979

$\frac{0}{.014}$

$\frac{-0002}{3} - 0.20$
 $\frac{-0005}{-017}$

11.93
 $\frac{-14}{11.79}$
 $\frac{-}{.83}$

1952.25

-006-617

43



8186.000*

21.000*

20.000*

30.000*

25.000*

-0.006*

-0.017*

5.650*

134.896

-15.300

-0.076

-0.627

-0.798

-0.013

0.985

-16.793

-0.036

-0.142

-2.751

43



16

17

2

21.330

38.400

2.500

-19.000

5.900

151

23p

-15.300

0.711

0.696

-0.100

-56.070

-6.963

-0.028

0.169

0.985

-15.500

-17.419

-0.702

0.698

-0.140

-69.375

-8.364

~~4778~~

43

8206 21 23~~B~~ 44 ob 6.58 09 5155

- 161 1080 2.860

05 2020-0162-W₂ 50

00219-0166

214

1.54T

5120-

$\boxed{-0.18020}$

-275

0e-

5.09

24

21.400

49.100

27.500

-20.000

6.500

200

0.500

0.720

0.692

0.040

-127.123

-25.344

-0.040

-0.016

0.999

4.934

35Vml
204414
30048
13492

21 25.5 +27 23 5.4 A0-8.08

\overline{AIV}

+0026²⁵ +025²⁷ N30

+0029±1.9 +024±1.766-7N30

+00295

48

10

31.400

27.400

52.000

19.500

4.000

63

- 8.000

8.720

8.658

- 8.219

218.477

15.536

- 8.040

8.354

8.934

24.028

- 5.958

- 8.692

8.664

- 8.282

- 99.115

- 3.433

WS

21 25.5 +27 23 A1B

5.35

204414
30078

20375
-8.0
+6622

+21.4
+22.4
+52
+15.5
4.0
4.0

21.4
+22.4
+52
+15.5
4.0
4.0

010 157 1.009 2.904

144
388
1007
1.376
1.416
1.395

126
02126
0=2

+1.65
3.7

1.63

46

3
6217.600*

21.000*

25.500*

27.000*

23.000*

0.037*

0.024*

3.700*

54.954

-8.000

0.202

-0.215

12.794

4218 21 25.1 + 52 41 B8

-12 -47 +05
 6.03 -0.55 115 580 2.726 B6
 125 55 541
 198

 739

5
 +5000 456
 +500000 5 FIM -303
 +5000000

0145
 +0116
 +0009

2.726 B6
 198

 198

 2.726 B6
 $n_v = -0.8$
 $v_0 = 60$
~~6.9~~
 6.9

8218.000*

21.000*

25.100*

52.000*

41.000*

0.016*

0.003*

6.800*

229.087

-30.300

0.065

0.085

12.209

-0.004

0.996

-31.183

-0.042

0.027

-10.447

47

5.418

1.889

1.000

5.418

1.889

40013

70016 F2.6

5.076

4029 F2.4

1.889

50.0

-1.50

W13535

21

30.2 + 23 10

6.4

-16.2 40

140205087

6L30164

+0.0020

+0.0003

15550 Gm

12.5

235

733 632 -251

-087 426 903

-678 648 -348

+0959 +0090

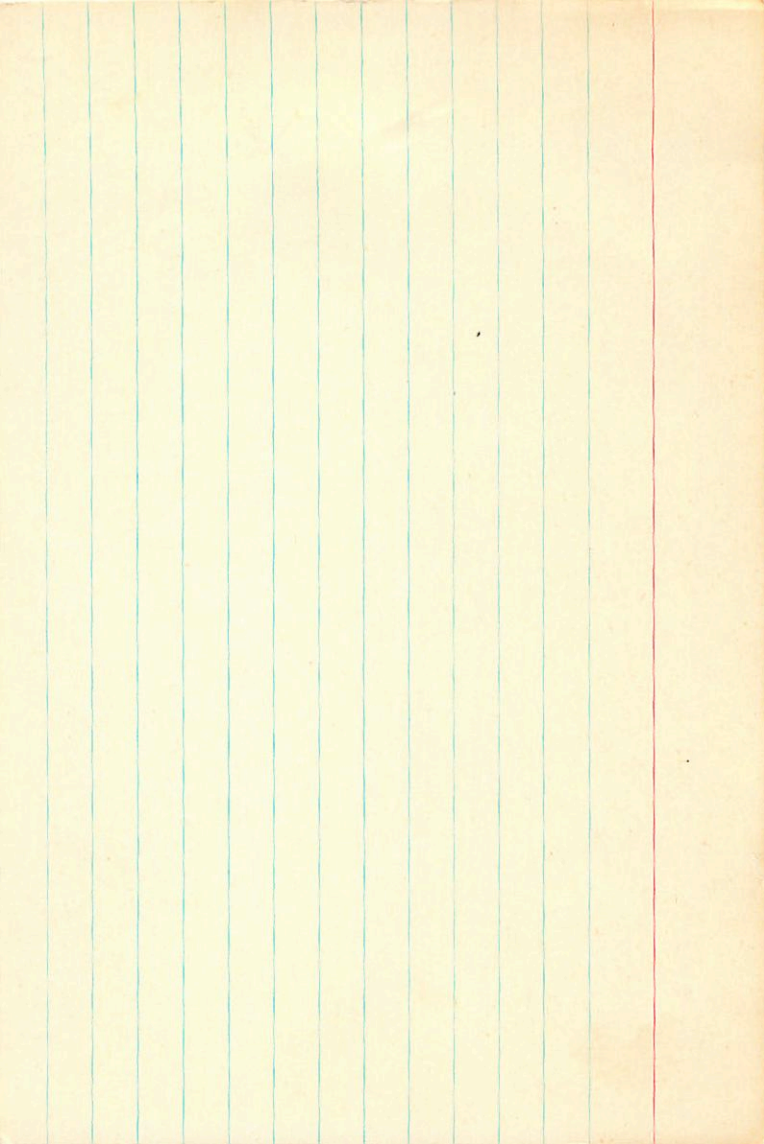
-0075 +0060

-0887 +0092

+1049 +246 +40

-0015 -0.4 -14.4

-0745 -18.7 +5.6



174

745
75
20

876/2
88

525

218 033 627

6.37

198 240 637 2.92

6.37

23

8259

21 32.4

+ 51 28

111, 22)
39 111 0

~~207740~~

6.14 + 02 - 30

+ 16 48

205551

033 072 836

2.671

-17 - 36 - 42 - 18 - 8

078 824

5.7

-222

156
988

-2.1

9.4

luminar

27 Apr

207203 21 44.7 +02 27 5.5 A0 117.0

30501

1147

13690 +0006 57 +003 55 N30

(4325) +0007 ±1.7 +004 ±1.5

1003 N20

4800R

10 185 1140 2.864

21.5
+2.5
S.E.T

(15) 1144

21.5
1144
1144

0105

1
S.S

110-510

1147

48

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

21.750

2.500

12.500

- 1.000

5.800

145

14.700

0.763

0.502

- 0.408

42.788

0.191

- 0.101

0.715

0.692

- 0.350

0.817

- 0.639

0.487

- 0.596

- 40.110

- 14.560

Leg

8328

21 447

+ 2 27

40

207203

30501

H1

× 17.0 was 0

× 1000

× 1000

1000
1000
1000

5.63 00 -02 C'63

011 143
5.64 008 180

1.137
1.163

2.852

1.63 2.855 -1.7, 0, 10

623 140
017 138

1.154 2.855

148
280

0.31 = a ✓

110 = a

1181
1431
1458

Ans - 0.2

5.15

-0.5 144 1150

2

0.2

2.855
2.855

49



8328.000*

21.000*

44.700*

2.000*

27.000*

0.012*

-0.001*

5.750*

151.35

141.254

17.000

0.041

-0.409

1

-1.166

-0.009

0.691

110

10.470

W9

-0.039

-0.596

11

-15.589

8335 21 464 1C H74 HES cl +35 25 B5Y

1074
-07 -35 107

Dr. S. M. S. M. S.

6.12 -031 122 710 2.784 B5Y
113 716
224
942

-20: Van Wnd
21.75
+38.4
+25.5
-2
5.0
-26.5

011 = +0.05
10 6.05
6.05

24.576

$\begin{array}{r} 0.58 \\ \hline 5.8 \end{array}$

+0017 ±4.7

+0014

-002 ±4.0

55.58 1912.9

+00155

+00170 +002

07

55.65

5

+0200

$\boxed{+023-002}$

24.587

+001

-004

$\hline 24.578$

+060

55.75 1958.13

+02

-03

$\hline 55.74$

-20

55.54

$\hline -11$

29

21.750

38.400

29.500

-2.000

6.000

158

-26.500

0.763

0.646

-0.036

77.481

13.234

-0.101

0.174

0.980

-12.681

-27.970

-0.639

0.744

-0.197

-77.036

-6.976

14 Peg
207650

21

47.6

+29

56

5.0

A0

-22.9a

30565

dbl line

Sp. B. P = 5^d, 3

A0 V

13711

+000 8⁵³ -022⁵⁰ N30

+0010 ± 1.7 -020 ± 1.5 GC → N30

d
5.3

56
147