

974

+760404

10

50.8

+26

14

9.68 +1.09 +1.02 Ⓟ

+048 Ⓟ

-245

593

70 +8.9



— 10 54.6 +17 18 277

L 1258-39 and L 1258-40:

et = 19^h, A.w. = 0.1 mag.

✓ 10 59 38.4 +16 47.36

Kepler to 0.8 - .18

{11.3} {MO +10.2}
{11.5} {M10 +10.2}

HLG 3420 10 47.0 +66 47 591
10 53 19.6 +66 16.62

Green. Bath. -.121 -.071

10.7: Mop +8.3

TS4 1411

10

55.5

+54

10

595

11

1

8.2

+53

39.31

McC-HC t-0.12 -149

10.3 K8 +7.4

+33°2071

10 55.7
11 0 56.1

+33 39
+33 8.31

597

McC-Ac 0.000 +.077

10.4 K8 78.0

-8° 3068

10 55.6

-8 33

596

11 04 22.6

-9 3.68

BPM 74867

826
775

plate zone -.203 -.054

0 -4
+2

9.1 (KS-46.9)

-0.203 -0.056

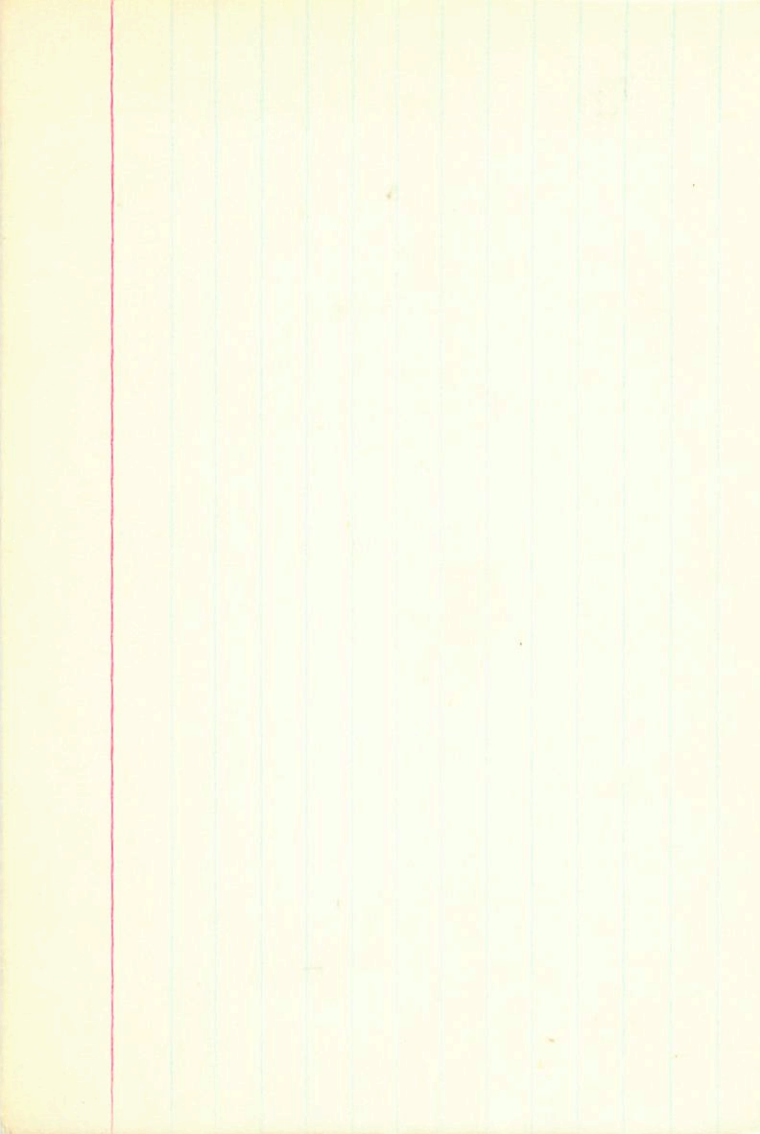
596

803065

10

55

= 2251



MS 48

10 56.7 + 5 57

+ 8° 24' 53

9.65 + 1.03 + 0.85 (B) + 0.375 (D)

- 0.243 + 0.45 Mc-AU

3075 ✓
1068
825
4968

122.2302

24¹ 32.13⁵

10 54.9

122 44

129

Y 2574

11¹⁰ 0⁵⁷ 3³ 0.0

122 13.34

ADD 95650

094=TT 664¹⁰

215

9.55 + 1.485 + 4.15 ②

8.61 + 0.775 ③

95M (110)

95-146 95

0.77

955

-20 1 day

part? w

MO

MC-AC +153 -040

VVF

970

9.5 212 x 8.8

R 9.72

S-4 WD

H-R 190 20.

157 - 045 MCR

-45

10.15 - 045 MCR

1121 938

136 2 w p w

155 - 45

-20:

8763 8120 1469 14.2

Wth - 0.44

8172 - 5766 286 420 - 076 9159

M : -0.003
QM : 519.015
d3 (M) : 0.002
d5 (M) : 0.158
d1 (M) : 0.405

n : 4.501
qn : 34.205
d3 (n) : 185.0-
d5 (n) : 0.218
d1 (n) : 0.305

n : -13.554
qn : 988.81-
d3 (n) : 0.335
d5 (n) : 188.0
d1 (n) : -0.090

NET : -14.500
MODULUS : 15
DISTANCE : 0.320
DEC : -42.000
A.M. : 150.000
 : 55.300
 : 11.000

11.000	PM. R.A.	:	
22.200	PM. DEC.	:	
170.000	DISTANCE	:	
-45.000	MODULUS	:	
0.350	RAD. VEL.	:	
-14.200	q1 (U)	:	
-0.860	q2 (U)	:	
0.387	q3 (U)	:	
-724.389	DU	:	
0.332	U	:	
-13.224	q1 (V)	:	
0.307	q2 (V)	:	
0.913	q3 (V)	:	
-0.267	DV	:	
34.592	V	:	
4.201	q1 (M)	:	
0.407	q2 (M)	:	
0.128	q3 (M)	:	
0.905	MP	:	
276.012	M	:	
-9.603		:	

30.35

12202302

11.00 + 22 14

12-9
-30.2

+139-67

Att (12)

9.52 + 147

14-11
Hort East Sumin

12-9
KVR

+153-040

MU-KV
MUR

+153-.040

+630865 .09401 dno - 60

5763 5170
2172-5767

8715 8141
-9171 -5775

Net Sumin

+155-70

0.35

923
922
925
923
922
925
+123
0146
0.76

5721 - 8202 8084 - 8550 1489 0558 0655 052

258 966 378 926 +.158 04 -20.0 -015 -7.6 -175

039 004 145 104 ~~277~~ 465 -18.5 -17.9 +4.5
~~147~~ -665
-251

+667
+15.1 -12.2 -82.6

-134 +6.3 -12.1

44.8 -13.2 -8.5 08

-14.2 +6.4 -14.8

1870

1871

1872

1873

1874

1875

1876

1877

1878



-14.869

0.905
0.275

5.953

-0.267
0.053

-14.931

0.332
-0.705

-20.000
11.749

0.350*
-0.040*
0.155*
14.000*
22.000*
0.000*
11.000*

129.000*

+8° 2453

10 56.7
10 59.2
11 1.6 39.0

+8 57
+8 4.2
+8 26.28

598

McC-Ac - .293 + .045

840
837
831

9.58 K8 + 7.4

-317
-308

+044

+088

(12)

-0.293 + 0.045

360

+16° 2216

11 0.8
11 3.3
11 5.8 v_{gno}

+16 33
+16 18
+16 2.14

278

28 ± 12 VV

C: 20.611 +0.19 -0.36 129

453

167 -374 L

Handwritten box containing:
+1090 0.360

+114 -321 VVA

+102 -334 (12)

880
516
575
24

9.2 mOp +8.3

+150 345 124
+1064

92.978

-0.888
0.895

-74.428

-1.285
-0.356

-11.037

-1.311
0.267

186.800

30.200

2.400*

-0.345*

0.150*

2.000*

16.000*

5.000*

11.000*

278.000

719.2423

11 1.6
11 6 38.8
+19 50
19.12

279

check-AC to.004 +.052

10.5 K8 +7.5"

+22°. 1613-38

11 2.1

+22 24

280

11 7 10.2

+21 53.10

She C-AC to 073 +.005

10.8 M0 +8.7

+16° 2222

11 2.1

+16 20

599

11 7 6.6

+15 49.10

E.B. box. -063 -067

10.6: MO +8.7

601

11

08.8

-10

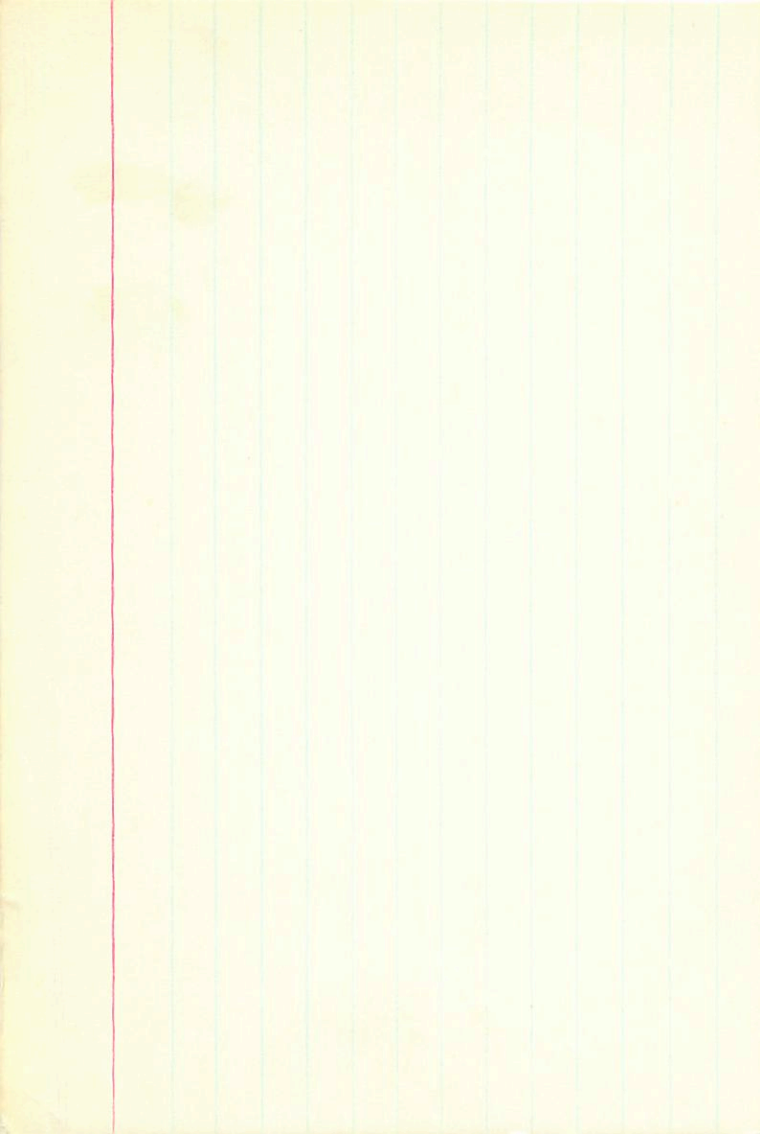
42

-10° 32' 16"

9.24 + 1.08 + 0.42 (4)

+ 0.485 (2)

= 11.256



+19.2427

11 4.2

+19 48

281

11 9 14.3

+19 17.04

huc-AC -0.160 -0.099

10.5 K8 +7.9

5-12-24

11 095

496

26

1294 262

241 148

1320

1220

1298

1168

1134

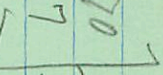
9532 ✓ 9870

3022 ✓ 1607

244
-1006
205

8321

247



1168
247
92

+52° 920-29

11 6.1 +52 47 605
11 11 34.5 +52 15.97

McC-AC +.017 +.054 11.45 MO +8.7

+27² 27378

11 8.7

+27

13

606

11 13 47.5

+26

41.90

MCC-AC -170 +.026

10.52 M0 +8.5

G113501

11 Oct -04 17

(28)

184 0422

-029 421

-30

421

1.85

25

M : -41.125
 QM : X-1101.321
 d3 (M) : 0.121
 d5 (M) : 0.251
 d1 (M) : 0.389

N : -12.313
 QN : X-1452.428
 d3 (N) : -0.248
 d5 (N) : 0.261
 d1 (N) : 0.353

n : -55.253
 Qn : -893.248
 d3 (n) : 0.069
 d5 (n) : 0.424
 d1 (n) : -0.894

D. NET : -58.000
 MODIFI : 53
 DISTANCE : 1.820
 W. DEC : -451.000
 W. DEC : -30.000
 W. DEC : -4.220
 W. DEC : 11.100

R.A.	:	11.100
M. DEC.	:	-4.950
M. R.A.	:	-30.000
M. DEC.	:	-421.000
MODULUS	:	1.850
D. VEL.	:	23
q1 (U)	:	-28.000
q2 (U)	:	-0.864
q3 (U)	:	0.494
DU	:	0.096
U	:	-862.748
q1 (V)	:	-22.923
q2 (V)	:	0.323
q3 (V)	:	0.691
DU	:	-0.646
V	:	-1425.458
q1 (M)	:	-15.319
q2 (M)	:	0.386
q3 (M)	:	0.527
DM	:	0.757
M	:	%-1107.257
	:	-47.152

-27 798

11 149

-27

329

829 149

8.88 0.645

+33.238-107

11

36.2

+33

22

40

11

41.211.6

+32 50.37

17 208

MCL-ML +020 -104

180 110

WR 24397 11 25.8 + 7 49

B-10 J 25

-207 -1.188

10.24 +1.19 +1.08 (3)

9.48 +0.525 (4)

9.10

7.72

8.38

6.0

.032 (3V)

+37.0

M₁ M_{1.5} A₁ V

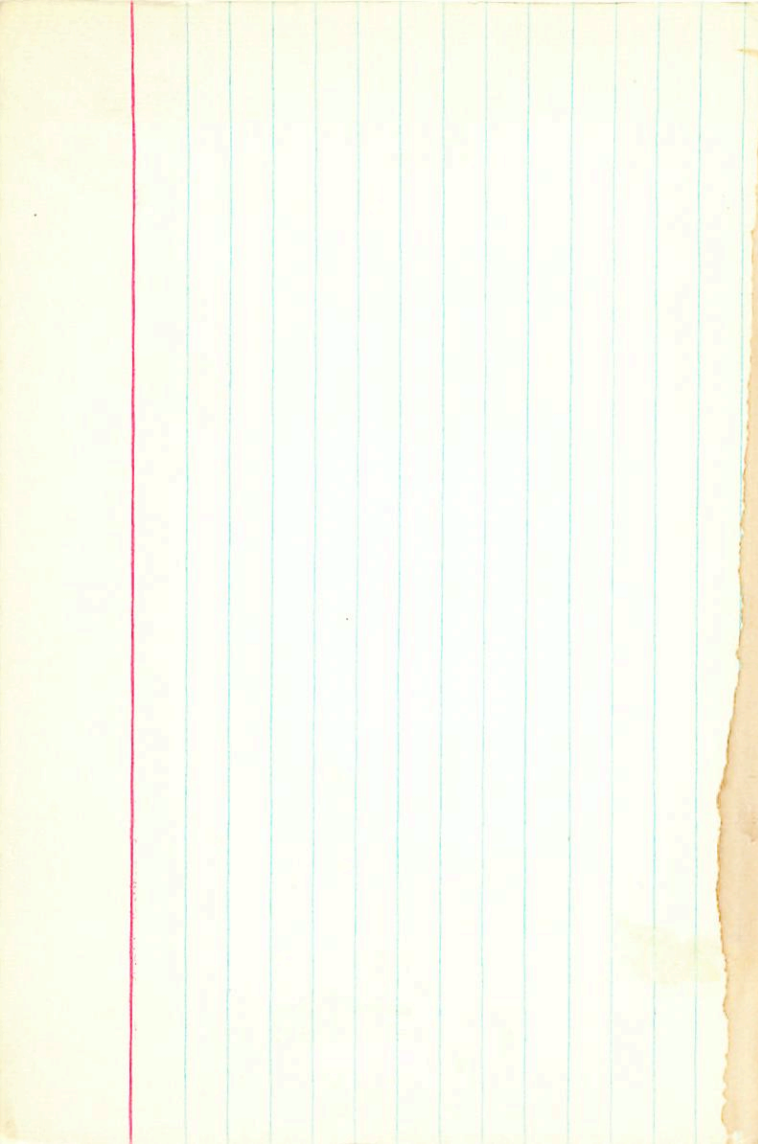
-240 -1.140 Wood

-230 -1.155 Guide

-265 - 15 (2)

240

WR 239 -1.160



+34° 2214

11

12.9

+34

25

282

11

18 2.5

+33

53.79

E.B. L. +0.10 -0.27

10.1 K5 +7.1

+8.86-89

11 16.0 +7 5.3 130

11 20.954.9 +7 21.72

49
24
73

+70 1 day

ML-AC #208-051

10.6 10+8.3

G-10-19

11 212 708 50

1.036 2784

-1025 151

9568 - 9973 } 1033
2839 0734 } -075
 315

0.1125
-0.26
M

LHS 2171

11 51.3 +07 17

-60.

LPS 53-59

230 -846

333

-846

-60



M : -22.638
 QM : -1159.2
 d3 (M) : 0.211
 d5 (M) : 0.342
 d1 (M) : 0.555

n : -5.100
 qn : -5232.2
 d3 (n) : -0.411
 d5 (n) : 0.803
 d1 (n) : 0.431

n : -32.683
 qn : -3454.8
 d3 (n) : 0.052
 d5 (n) : 0.484
 d1 (n) : -0.822

WAD. NET. : -20.000
 WOODRUS : 10
 DISTANCE : 0.000
 DEC. : -822.000
 : 333.000
 : 300

333.000
333.000
-896.000
0.000
10

-60.000

-0.875

0.484

0.029

U : : -3424.00

q1 (U) :

q2 (U) :

q3 (U) :

DU : : -0.411

U : : -2737.67

0.431

q1 (U) :

q2 (U) :

q3 (U) :

DU : : -0.803

U : : -2.700

q1 (M) :

q2 (M) :

q3 (M) :

MP : : 0.347

M : : 0.911

U : : -1126.74

U : : -65.930

DISTANCE : : 333.000
MODULUS : : -896.000
RAD. VEL. : : 10

q1 (U) :

q2 (U) :

q3 (U) :

DU : : -0.803

U : : -2.700

q1 (U) :

q2 (U) :

q3 (U) :

DU : : -0.411

U : : -2737.67

q1 (M) :

q2 (M) :

q3 (M) :

MP : : 0.347

M : : 0.911

U : : -1126.74

U : : -65.930

DISTANCE : : 333.000
MODULUS : : -896.000
RAD. VEL. : : 10

q1 (U) :

q2 (U) :

q3 (U) :

DU : : -0.803

U : : -2.700

q1 (U) :

q2 (U) :

q3 (U) :

DU : : -0.411

U : : -2737.67

q1 (M) :

q2 (M) :

q3 (M) :

MP : : 0.347

M : : 0.911

U : : -1126.74

U : : -65.930

10-11
133

11 36.0 -41 06

708:02

2745 0.961

~~458 078~~

1271

28

168

128



000.11	:	.A.R
001.14-	:	.DJD
000.1751-N	:	.A.R .M9
000.2K	:	.DJD .M9
020.1	:	DOMATSID
15	:	SUJUDOM
000.85	:	.JAV .DAS
078.0-	:	(U) 1P
188.0	:	(U) SP
095.0-	:	(U) EP
193.701P	:	UB
834.07	:	U
093.0	:	(U) 1P
805.0	:	(U) SP
498.0-	:	(U) EP
012.2571-N	:	UB
050.10-	:	U
875.0	:	(M) 1P
100.0	:	(M) SP
036.0	:	(M) EP
750.140-	:	MB
818.01-	:	M

R.A. : 11.600
DEC. : -41.100
PM. R.A. : % -1271.0000
PM. DEC. : 75.000
DISTANCE : 1.650
MODULUS : 21
AD. VEL. : 28.000

q1 (U) : -0.875
q2 (U) : 0.381
q3 (U) : -0.299
dU : 4107.591
U : 79.438

q1 (V) : 0.396
q2 (V) : 0.208
q3 (V) : -0.894
dV : % -1725.513
V : -61.929

q1 (W) : 0.278
q2 (W) : 0.901
q3 (W) : 0.333
dW : -941.927
W : -10.818

74° 24' 70

11 20.2

+4 47

609

11 25 5.5

+4 15.63

McC-Ac - .09 + .03

10.7 Mo + 8.5

+13° 2410

11 20.2

+13 26

610

11 25 8.7

+12 54.63

Wday 396 -37 +.03

10.8 K8 +8.0

+55° 1467

11 " 21.9
11 " ^{24.5} 27.2 13.8

+55
⁺⁵⁵
+54 17
45.59

611

McCAC -148 +.029

9.79 K8 +7.4

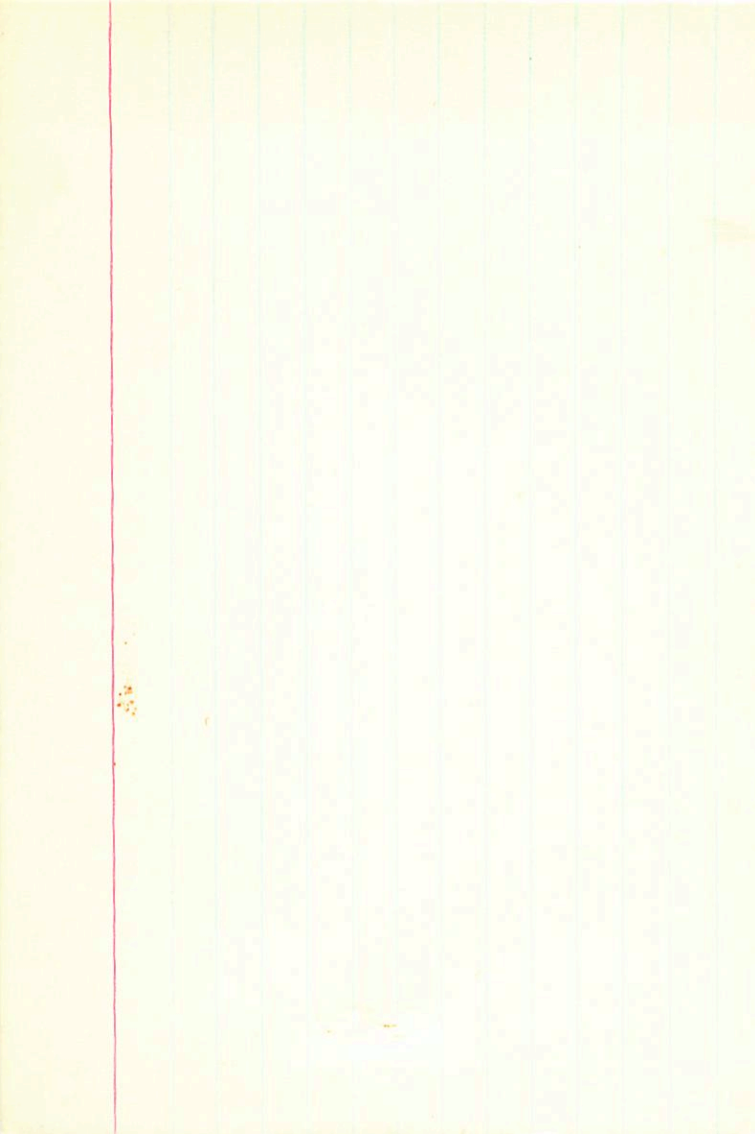
611

11 24

+5501417

5.23

-148 +29 me-Ar



L14

11

83.2

+24

52

+2502393

9.32 +1.00 +0.26 (2)

+0.405 (2)

+25 2393

11 28.2
11 30.7
33211.5

+25 24
+25 8
+24 52.48

614

Yale Zone 7.007 7.053

- 3 0 +3

815
785
765

9.7 K8 7.4

+0.004 +0.056

7.35
7.5



614.000*

11.000*

33.200*

24.000*

52.000*

0.004*

0.056*

2.350*

29.512

6.500

0.096

0.235

4.361

0.247

-0.179

6.135

0.023

0.955

6.876

440.2442 11 28.9 440.82 139

11 33.59.0 +39 30.46

~~42~~ ¹⁴⁴¹² 208

Aug 33 +469-387 10.2.110+8.3

615

11

33.4

+17 15

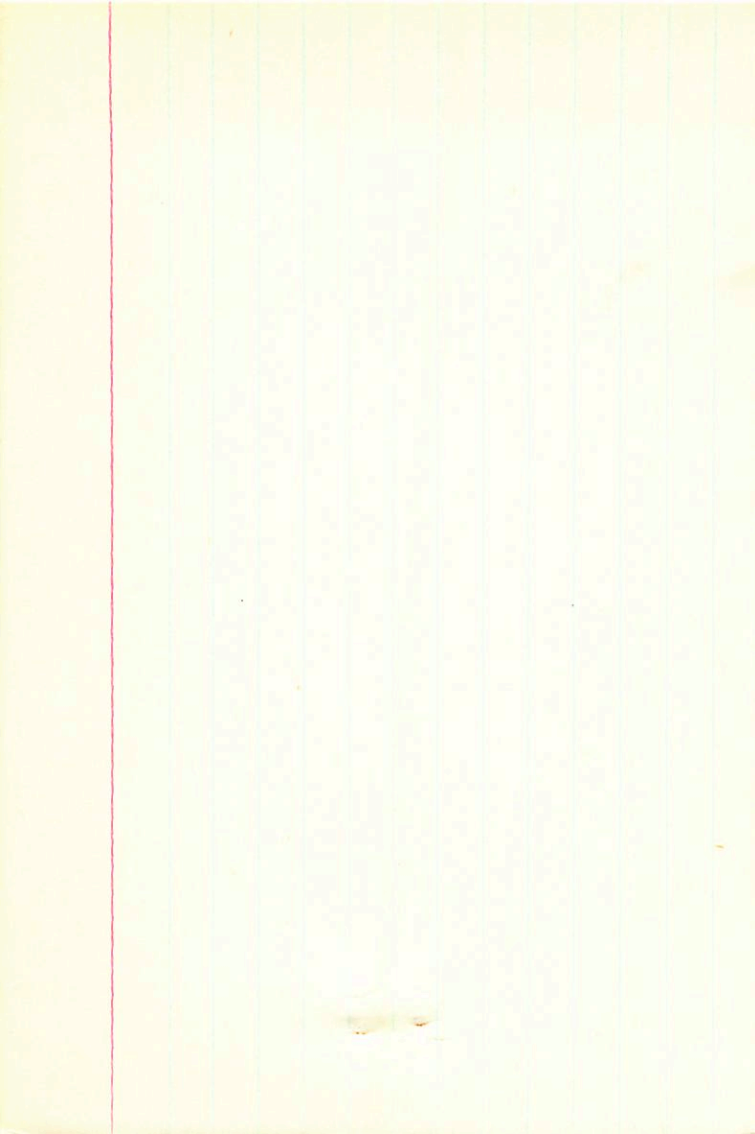
+1702326

9.55 +1.10 +0.97 ②

+0.44 ②

+08 +02 MC-AK

+1.3



+17° 2376

" " 28.4

33.30
33.32
33.34

+17 47

+17 15.47

6N5

M.C.-AC +.08 +.02

+0080 +0.020

850
23
413

9.7 K8 +7.4

0 310

0 320

0 330

0 340

0 350

0 360

0 370

0 380

0 390

0 400

0 410

0 420

0 430

0 440

0 450

0 460

0 470

0 480

0 490

0 500

0 500

615,000*

11,000*

33,400*

17,000*

15,000*

0,000*

0,020*

2,300*

28,840

1,300

-0,289

0,176

-8,101

0,201

-0,296

6,266

0,127

0,939

4,886

283 11 346 +47 43

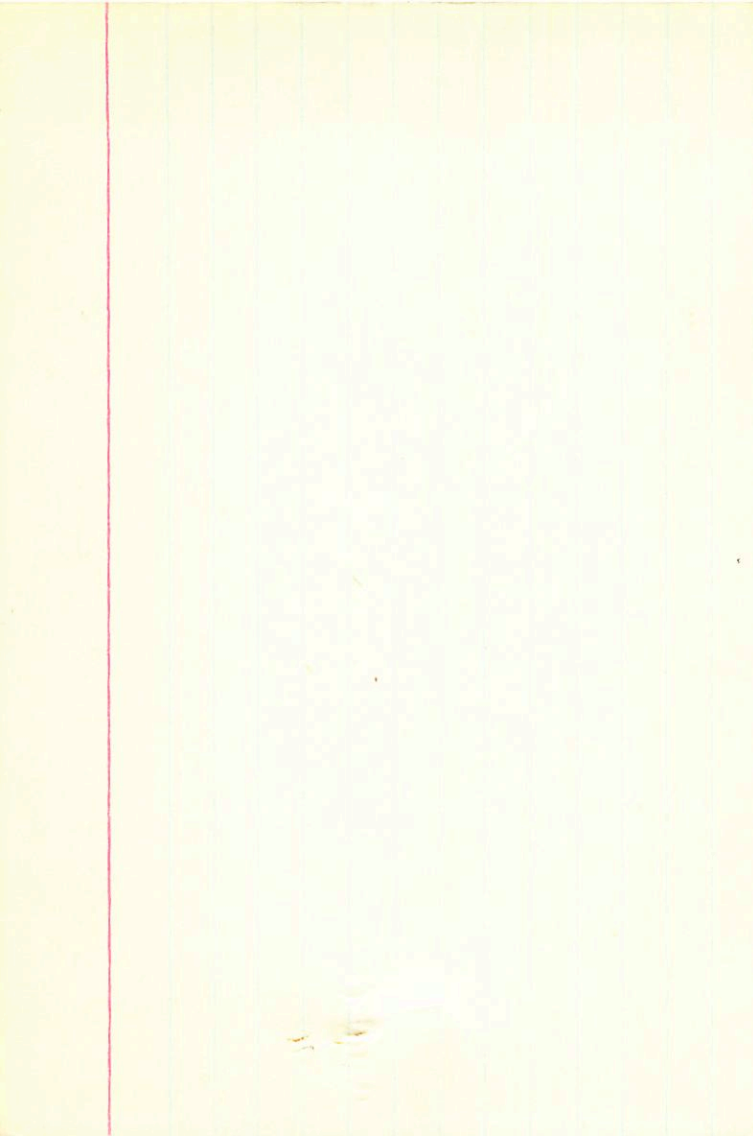
4801456

10.12^{9.6} +1.26 +1.02 (D) 9.24 +0.62 (D)

AD58242

2.2 Δm=0.2

-YDS



~~748° 1958~~

~~11^h 29.4^m
11^h 32.6^m
11 34.633.1~~

~~+48° 15'
+47 59'
+47 43.46~~

283

ADS 9242, $d = 2''.2$, $\Delta m = -0.2 \text{ mag.}$

52
248
7

-32 H+12 km
H+ km in A

Inc C-AC $+0.132 - 0.038$

9.6 MO + 8.6

1901.90 21.7 2.47 2 Ku
1911.22 26.8 2.37 6 Dec, 704

993
955
964
874

23
-42
 $+0.132 - 0.038$

2154

4183

4187

3135

3138

4185

5180

3184

3186

4188

5182

4189

5183

4184

5186

503 0804



-31,341

0,907

0,234

-5,474

0,188

0,084

-33,232

0,378

-0,602

-42,000

28,840

2,300*

-0,038*

0,132*

43,000*

47,000*

34,600*

11,000*

283,000*

G 236-81

1# 444 770 19

(NO)

.365 263

-362-044

1300

~~144~~
~~126~~ ✓

124

10.90
1115

908

9866

9925

365
000

1633

1219

0.0

0385

207

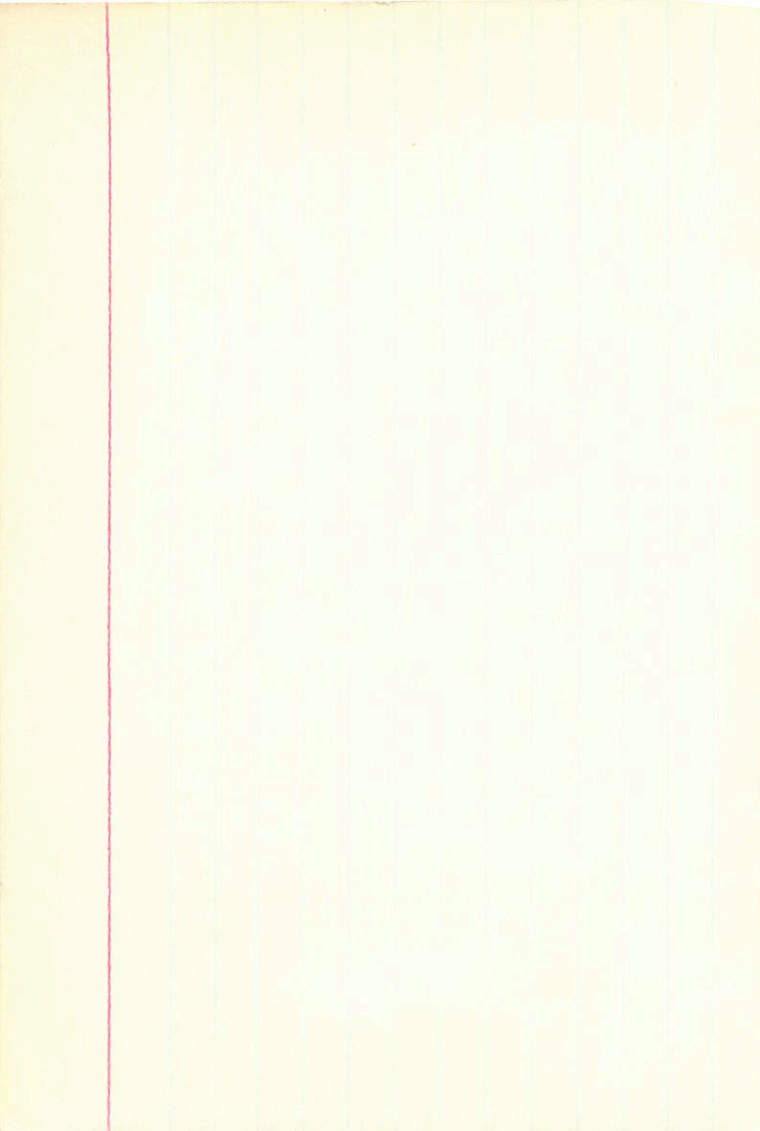
288

+302569

47.3

+3

57



#3.2529

11, 47.3
11, 49.8
52.2102

+3
+3
57
25.28

288

• MacC-HC - 0.17 + 0.08

4.01
5.5
5.4

9.5 K8 + 7:

-0.170 + 0.080

626

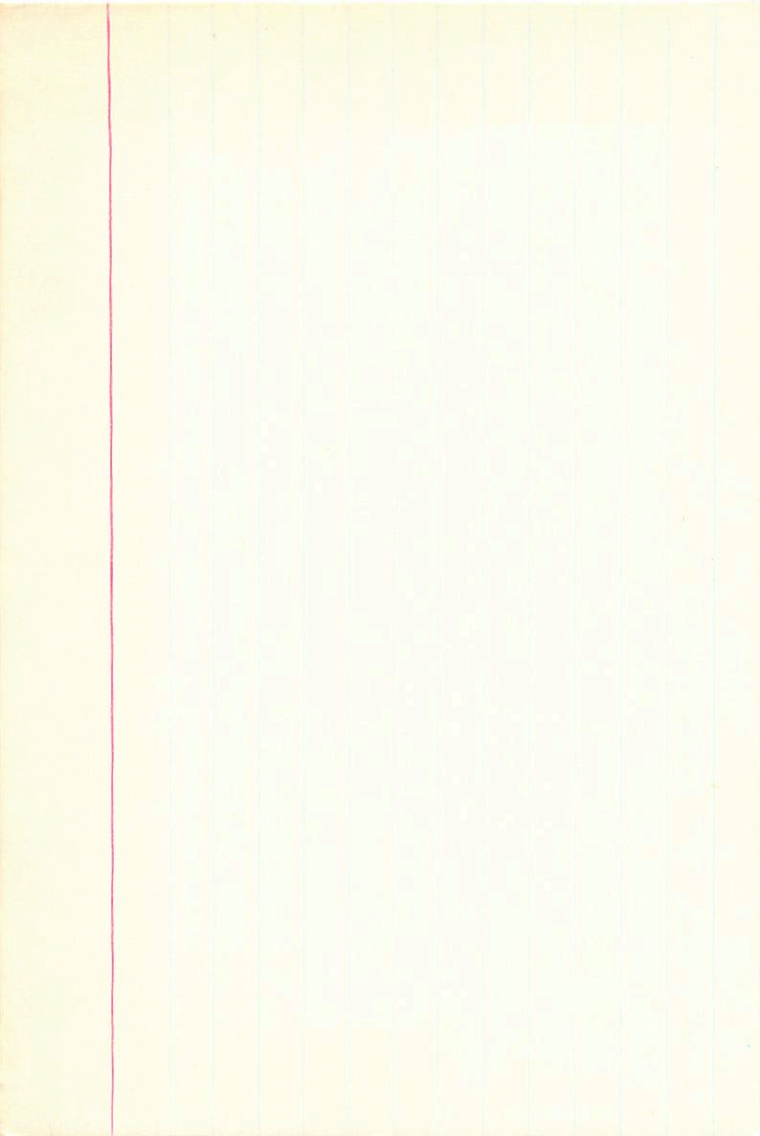
-603481

9.47 - 1.07 + 0.84 (1)

+ 0.36 (2)

year

—



-6° 34' 81

" 49.8

" 52.3
" 54.739.4

-6° 11' 21
-6 42.73

626

g.l.d

gate zone +0.056 +.146

-2 -11

+2

g.l.s
5395
2

g.s. K8 +7.3

+0.054 +0.137

+39° 34.218	11 42.7	+38 31	620
+39° 34.219	11 47 40.3	+37 59.30	

MCC 152.5 - .132 - .080
MCC 152.6 - .123 - .075

11.8 M +7.9
11.3 K8 +7.6

+33° 239 - 36

11 44.4

+33 55

621

11 49 20.7

+33 23.29

McC-AC - .312 - .029

10.97 K8 + 7.4

119-1971-31

11 45.6

119 44

622

11 50 30.2

119 12.29

MCC-AC 4.016 4.118

11.70 MO 48.7

+16 2316

11 47.0

+16 4

623

N 51.9 53.5

+15 32.28

49

24

7

E.B. box. - 089 - 139

10.2 M10 + 8.1

WDR 20

Qm = 0.2

1940.24 315.7 1.58 9402

†30° 2201

11 46.5

†30 22

287

11 51 25.4

+29 50.28

Inc C-AC -0.08 -0.08

10.9 K8 +7.7

-3° 9' 79"-192

11 48.7 -3 21
11 53 33.6 -3 52.73

624

*

Dist; d = 3.9" $\Delta m = 0.2$ mag.

1' speed

Mc-AE +.169 -.020

10.7: Mo +8.7

h-396-10

11 36.0 -41 06

28:412

h-FT 833

2745 0.961

~~958 078~~

1271

75

165

25