

+16° 1877

8 52.1

+16 24

263

Alt, $\alpha = 1.6$ $\Delta m = 0.5$ mag.

Albino

53
249
7

8 57.1 24.6

+16 1.83

15

The C-AC -0.126 +.009

10.0 710 +8.7

1961/21 292 174 3 W or

77370

Q 58.2

58 54 d/ey

HR3558

GL12444

5.16 + 0.41 + 0.005 2334

[m] 209411

.270 .160 .517 2.663 @ 44, 5, 2
274

[L] 463 ~~411~~

~~5~~ 2.32

+43

-16.8

+5

-0.224

+10.6

+3.05

+15

-2

+2

+272

5

77370

8

58,422

-58

84

512 F1 70.6c

-022920.8 +27372.4
-0228 +267

12449

5921

5.17 + 0.40 + 1.00 24''

-0228 + 228
-02273 + 226
-1761

-173 + 274

354

10.620
1.108

1401.6

-58

53 30.50

1896.2

953 -6559
304 7549
0354
2.25

11.728

10164
+194
1574 113

2487

-1469
45.19

10.898
-20
878

10164
+194
1574 113

2487

33.76
+4

1939.62
324
0524
-20

8580

878

1574

2487

33.72

0524

142.9

10.68

+0.16

787
-941

41.3

31.1

1446.2

46.7

1696

787

41.3

31.1

1446.2

46.7

1696

787

41.3

31.1

1446.2

46.7

+12.45

31.7

32.74

46.7

2570 160 829 2662
401 102 267 915
516 267 170 505

(258)

(452)

267 212 112 697

732

3.50
434

2672

264 165 511

483

(629)

ARRISS 44143 55.2 -55 54 H10.6a

1477370 ~~758~~ 5.13 +0.39 F1 -194.10 281.78

214
166252

10478.16 -0224±2.8 ~~2223±2.4~~ 3830 0.57
1100 +276 30150 962 -177 +2736
11.710 -0223 +266 -1469 -177 +276
95.19

45Y(12)
y6(17)

~~10256~~
10164

(641)

24482
-24
2502

9520-6461 } 3224 10.858 39.62 33.76 -0226 272
-0888 } -33 +10 -02253 275
3061 7632 } 164 33.66 -02223
N

-171.278

-1746

713 - 701 - 856 517 - 174 + 276 + 10.6 - 236 - 9 $\sqrt{25}$
124 168 122 168 - 195 1.354 + 5.5 - 4 + 7 0.42
- 8 + 37 + 7

- 9 + 38 + 8 04

$$\boxed{+36 - 14 + 6}$$

038

- 9 + 40 + 9

$$\boxed{+38 - 15 + 5}$$

035

- 10 + 43 + 10

$$\boxed{+42 - 16 + 6}$$

- 9 + 31 + 4 05

$$\boxed{+28 - 14 + 4}$$

-1340000

CC504 8 58.2 +5 27

2

SVS

M 333.2 P B

.054M(L)

12031 1M

12004 1M

11111.04

11111.15

~~380~~

9322-0853
5544-1852

3242
0132

-0.270 -1190 M(R)

-0.262 -1192 M(R)

-0.258 -210

-266

141

110

-350

845

515

-657 424 620

-037 805 -541

752 413 515

+8283 -3856

+0466 -7288

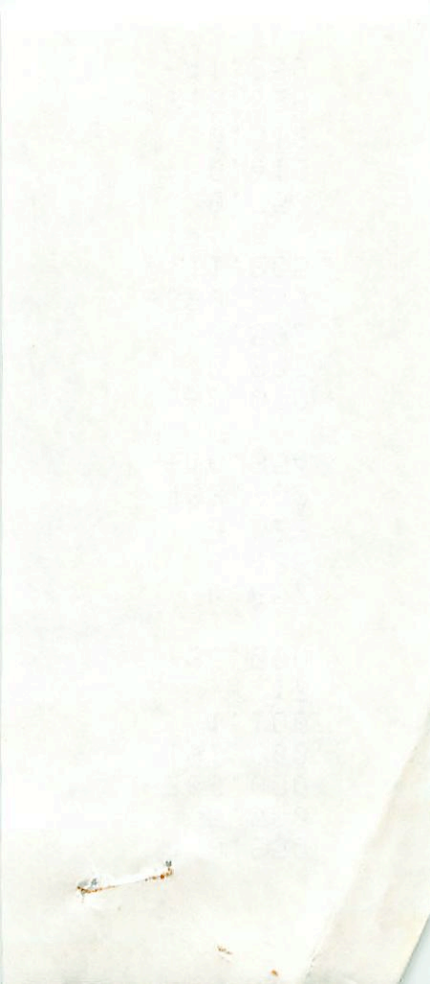
-9481 -3739

44427 +8

-6822 -13

+13220 -26

962
966
H
Lnd



000 . 1 4 -
000 . 0 1 0 1 -
010 . 0
014 . 0
022 . 0

000 . 1 1
000 . 0 0 0 -
000 . 0 -
000 . 0
000 . 0 -

000 . 0 1 0 -
000 . 0 0 4
000 . 0
000 . 4 0 0
000 . 0 -

000 . 0 0 -
000 . 1
000 . 1 1 0 1 -
000 . 0 0 2 -
000 . 0
000 . 0

+15° .1957

8 53.3

+15° 51

264

Y 215E

8 58.6

+15° 28.71

MBS 7139, $d = 5''$, $4m = 0.1m$

MAD 77175

24m(8)

-12.663W

G C 12463 W 5925

892 0.55

7.50

-12.244ppm d1N6

9.0 MDP +8.8

-12.2334ppm

C. 18.1066 -0.096 --.313
The red. parallel in median for 2 compo. 9.1

-12.330

122

to 0.024

1830.79 210.0 411 3E

-150 294 (12)

1872.52 2014 4865 0E

794

1903.50 1975 4915 0.001β

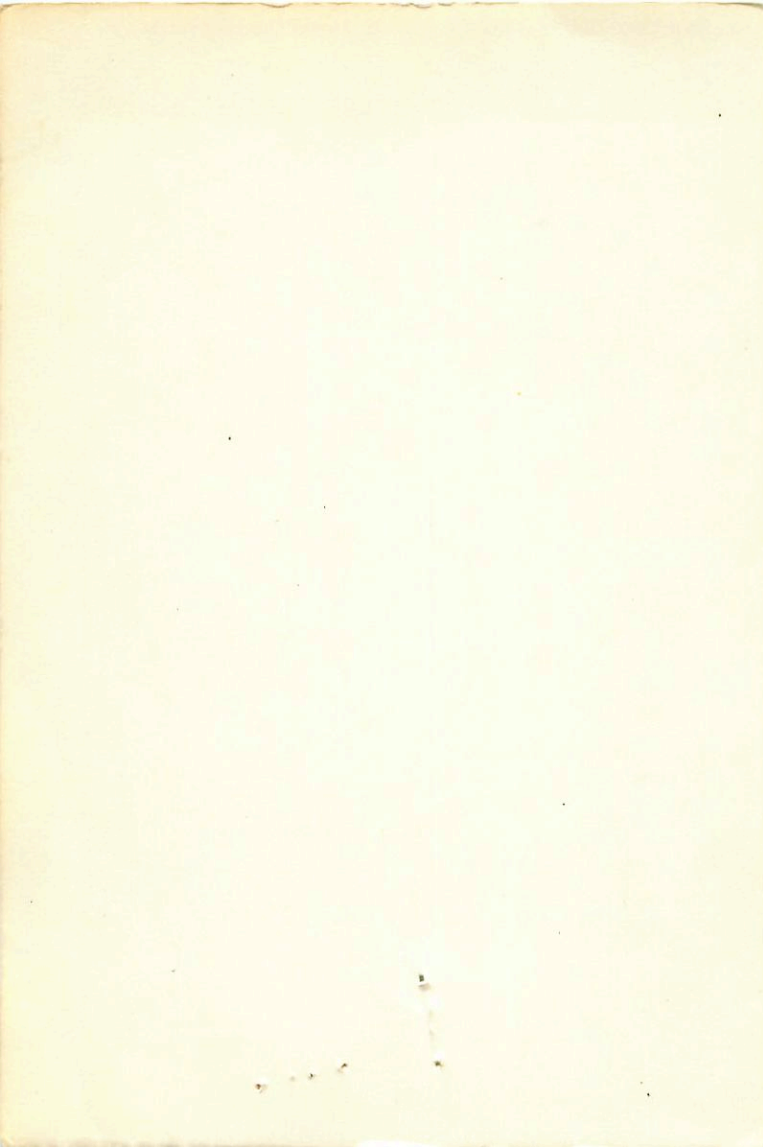
-0.101 -0.325

1916.71 194.8 5.16 41

1.4

25 866 55

991 586



699" 82-

50

918

188" 0

846" 0-

20" 20-

07

302

444" 0-

363" 1-

888" 11-

5

1801

682" 0

165" 0-

800" 12-

3

055" 19

400" 1

325" 0

101" 0

000" 29

000" 15

600" 58

000" 8

264" 000*

B. 18

6378

264

1501457

AD59134

5¹¹ km=0.1^m

105 -330

105

-330

040

-123

-108-334

9

58.6

+15 29

APD 8.71 11.30 41.22 231 +0.55

31355

2.1 10792

0.59 953

105

~~288~~
638

31022

~~24~~
146

66.12

5061

~~14~~
47

-128

1837
1896

10059 552 -336 335 79

816

R.A. : 8.950
DEC. : 15.450
PM. R.A. : -108.000
PM. DEC. : -330.000
DISTANCE : 0.900
MODULUS : 15
AD. VEL. : -12.300

q1 (U) : -0.657
q2 (U) : 0.312
q3 (U) : 0.686
dU : -163.825
U : -10.921

q1 (V) : -0.039
q2 (V) : 0.895
q3 (V) : -0.444
dV : % -1381.193
V : -15.444

q1 (W) : 0.753
q2 (W) : 0.318
q3 (W) : 0.576
dW : -869.293
W : -20.243

-8° 25' 82 total 210 8 59.7 -8 14 538

1448 210 (circled) 9° 4.32002

240 220 215

241 213 (circled)

132 (circled) 237 140

9504 + 6747 - 9441 3114 + 1787 2354

34494 10057 -9.94

Yale zone - .303 + .223

+ 3 - 4

-302 + 220

-0.300 + 0.219

356

6834 - 9443 7201 3291

+ 377.4 1244000 + 322.2 3000

264 1209 L

-> -297 195 G 3M gm

-295 + 210

065

282 + 197

+ 82

9.5 Mo + 8.3 1.31

~~6.622~~

✓ 1.3

0.420

-0.505

~~15.810~~

✓ 19.61

-0.271

0.658

~~35.505~~

✓ 37.97

0.428

1.503

✓ 37.000

13.490

* 0.650*

* 0.210*

* -0.295*

* -37.000*

* -8.000*

* 4.300*

* 9.000*

538.000*

1.31

✓ 19.61

37.97

0.65

✓ 37.97

+33° 221-52

9 0.2
9 6 1.1

+33 4
+32 41.02

539

McCAC -11 +.07

10.8 KS +7.4

647-24 9 06.5 +33 02

+331814

PL 386

10.01 4.34 4.14

-330 ~~Amount~~

S 036 -330 -104
M 049 -331 110

-343
-126
2.4
+9.1

1230

1884
1873

187

R.A. :
 DEC. :
 PM. R.A. :
 PM. DEC. :
 DISTANCE :
 MODULUS :
 AD. VEL. :

q1 (U) :
 q2 (U) :
 q3 (U) :
 DU :
 U :
 -0.679
 0.105
 0.726
 750.144
 29.265

q1 (V) :
 q2 (V) :
 q3 (V) :
 DV :
 V :
 -0.013
 0.988
 -0.154
 -2911.979
 -89.344

q1 (M) :
 q2 (M) :
 q3 (M) :
 DM :
 M :
 0.734
 0.114
 0.670
 -1484.24
 -38.729

+27.23436

Y 2181

6413 - 9326

7220 - 3609

14M(8)

~~26.58~~ W

24.1(2)VV

9
9

0.5

3.2

6.18.6

56

29

84

+28 1

+27

50

+27

38.00

25

+21 slyh H+IP Sumin

+19.0 10CW

10.26 + 1.245 + 1.225 (2)

9.55 + 0.53 (2)

? 9.5 110

Mel-AL -205 -031

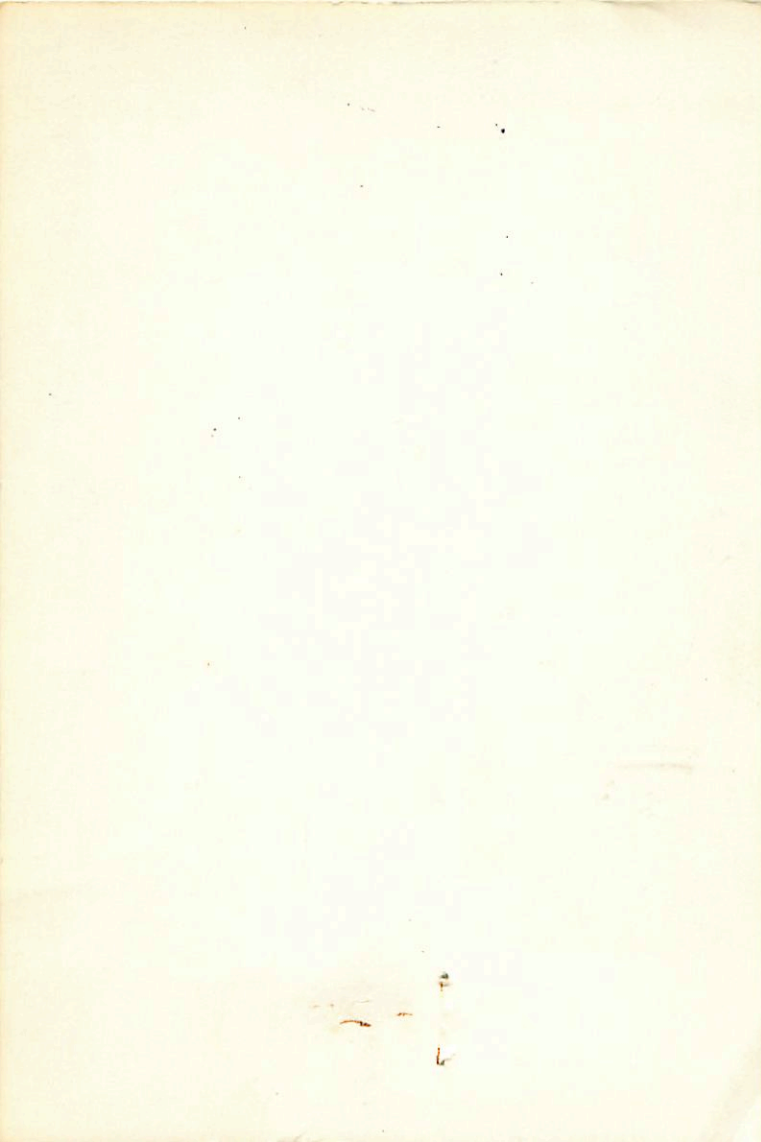
-0.205 -0.031

-210 -027 VVR

9.88
9.17
8.45
6

-210

-208 -30 2.45
H9.0



+77.361 9 0.9 +77.50 118

Ranges

9 12.123.6 +77.26.68

115

Albit

(3M^h)

open (12)
35.6112

-4 days

70 0.58

Answer by 31

5070

Ann. -1059 -020

+1

10.100x8.3

open with 25th 4th 27th 40th 34

0.05⁵
+6

10.08 9.17 +0.62 (2)

-1.067 +0.001 6m¹R

res

1/41

6-68

res

~~105180~~

9.200	:	R.A.	
77.400	:	DEC.	
N-2070.000	:	PM. R.A.	
1.000	:	PM. DEC.	
0.450	:	DISTANCE	
12	:	MODULUS	
0.000	:	AD. VEL.	
-0.093	:	p1 (U)	
-0.410	:	p2 (U)	
0.288	:	p3 (U)	
3033.127	:	BU	
49.403	:	U	
0.000	:	p1 (V)	
0.814	:	p2 (V)	
0.281	:	p3 (V)	
-22.181	:	BV	
4.370	:	V	
0.721	:	p1 (W)	
-0.400	:	p2 (W)	
0.280	:	p3 (W)	
N-3770.233	:	WM	
-41.220	:	W	

R.A. : 9.200
DEC. : 77.400
PM. R.A. : % -5070.000
PM. DEC. : 1.000
DISTANCE : 0.450
MODULUS : 12
RAD. VEL. : 8.000

q1 (U) : -0.693
q2 (U) : -0.416
q3 (U) : 0.588
dU : 3633.157
U : 49.405

q1 (V) : 0.005
q2 (V) : 0.814
q3 (V) : 0.581
dV : -22.181
V : 4.375

q1 (W) : 0.721
q2 (W) : -0.406
q3 (W) : 0.562
dW : % -3779.223
W : -41.996

+47.2368-79

9 1.8
8 14.0
+47 12
48.84

265

Muc C-AC -0.38 -0.02

107 MO +9.8

-2873

+53° 13 20 LNW 9 4.5 +53 18 541

+53° 13 21 9 7.6 17.3 +53 7 54.57

Y 2198 168 A(20)

AD5 7251', ^{AB} $d = 19''$ binary 161 M(8) A +105 83W dmo +11.4 30CW

$\Delta m = 0.0$ mag. 148 YK(3) A +54 84W dmo +16.9 30CW

HD 79210 158 S(5)

TC124

G.C 12727 -1.569 -0.590 A 7.60 +1.38 +1.21 MOE R 6.99 Mop +8.9

G.C 12728 -1.546 -0.682 B 7.70 +1.34 +1.22 MOE R Prop. +8.9

In all, the vel. parallel to mean for the components.

AO 6.92 +1.42 +1.27 5R +0.163

1832.96 48.4 20.10 5L

1844.45 51.4 20.09 70E

1859.45 54.6 19.65 9A

1898.14 63.9 19.24 8P

-1.553 -0.631

6.76 +6.8 } R
6.84 +6.9 } R

1910.82 67.5 19.07 5E

1926.65 71.9 18.86 24

6.34

6.99 5.9 1.15

*

-21.806

0.679

-4.913

-15.402

0.192

-2.957

39.832

0.709

5.500

10.500

5.888 *634*

-1.150

-0.631

-1.553

55.000

52.000

11.300

9.000

541.000



~~23.85~~ -23.85

47

0.679
-4.913

~~16.47~~ -16.47

47

0.192
-2.957

42.148

20

0.709
5.500

4.11

~~10.500~~
6.310

-1.000*
-0.631*
-1.553*

55.000*
52.000*
11.300*
9.000*

+5° 2143

9 7.3

+5 3

542

48339

9 123 17.2

+4 39.39

42200.1
43M(17)

2007
+163
+152

Development → +162

Gi 18.1091 - .130 +.012

-013 022
-046 000 A 0102

8.2 (K5) +7.1

-116 +032
-3 -4
-1 +1

-111 +025
-3 -4
+1 702
64

-104
+11
0.55
16.4

~~-0.120 +0.029~~ 0.7

-104 011

4,044

0,556
-0,352

-8,217

-0,605
0,106

15,407

0,570
0,456

16,000

13,804

0,700*

0,029*

-0,120*

40,000*

4,000*

12,600*

9,000*

542,000*

1

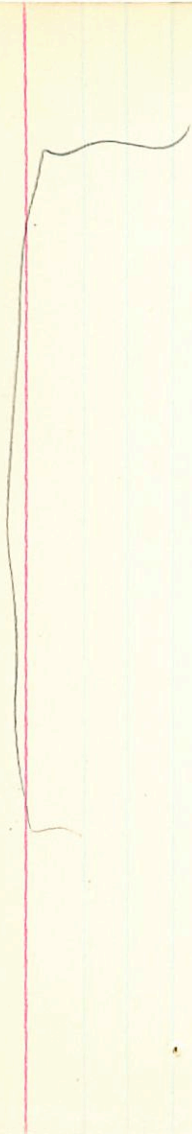
542

9 12.3

44 39

+502143

-180 +012 lin



M : 3.244
 QM : -335.301
 d3 (M) : 0.224
 d5 (M) : 0.415
 d1 (M) : 0.551

A : -2.319
 QN : 38.059
 d3 (N) : -0.202
 d5 (N) : 0.269
 d1 (N) : 0.002

A : 12.009
 QN : 393.250
 d3 (N) : 0.275
 d5 (N) : 0.430
 d1 (N) : -0.283

WAVELENGTH : 19.400
 WAVELENGTH : 12
 DISTANCE : 0.220
 BW DEC : 11.000
 BW B.A. : -104.000
 DEC : 4.220
 B.A. : 2.300

R.A. : 9.200
DEC. : 4.650
PM. R.A. : -104.000
PM. DEC. : 11.000
DISTANCE : 0.950
MODULUS : 15
RAD. VEL. : 16.400

q1 (U) :
q2 (U) : -0.693
q3 (U) : 0.439
dU : 0.572
U : 363.570
U : 15.006

q1 (V) : 0.005
q2 (V) : 0.796
q3 (V) : -0.605
dV : 39.076
V : -9.316

q1 (W) : 0.721
q2 (W) : 0.417
q3 (W) : 0.554
dW : -332.301
W : 3.944

182-403 400 61660 311 13
+6053 76.7 -50685.7 -201400 1055 (105)

ADD 7284 1209 144944 125 4734 -18.08 1704 063

79569 12816 6060 719 571 571 234 135 46 41.21 1898.6 (171)
+7042 0634 -566 477 38 / +620 -506 66

22= 287496.5 -257 400
73= 2483104 1400
21/10 212387 55.501 +22
023 55

21-1 = 0.55 55.587 537
21-2 = 0.55 55.587 537
21-3 = 0.55 55.587 537

21-4 = 0.55 55.587 537
21-5 = 0.55 55.587 537
21-6 = 0.55 55.587 537

21-7 = 0.55 55.587 537
21-8 = 0.55 55.587 537
21-9 = 0.55 55.587 537

21-10 = 0.55 55.587 537
21-11 = 0.55 55.587 537
21-12 = 0.55 55.587 537

21-13 = 0.55 55.587 537
21-14 = 0.55 55.587 537
21-15 = 0.55 55.587 537

21-16 = 0.55 55.587 537
21-17 = 0.55 55.587 537
21-18 = 0.55 55.587 537

10076
" a = ~~0.072~~ 0.72

just that class

and symbols

by m = 222

0.6464
- 7605



17

144
-16.929

0.684
-0.196

33

20
-34.570

12.356
-0.226

23

23.1

[Faint handwritten text, possibly bleed-through from the reverse side. Legible fragments include:]
12-1
1902
1901

[Faint handwritten text, possibly bleed-through from the reverse side. Legible fragments include:]
12-1
1902
1901
1900

544
-500778

5 X 8.3

-5 32

M 340.2

9.11 +117 +116 ① 8.44 +0.44 ②

100000
-366 115

(circled)
-351 -104 H

36.5 1M
408 3W
+40.0

5645
-25776



-5² 2778 80632 ✓
9 13.6
9 18.3201
-5² 9
-5² 33.17
544

800
715
715
+046 ±17 Mc
47
93

639

Yale zone -357 -120 -351 -104 McA
9.1 118 +7.5

+6 +2

-0.351 -0.118

-212 -139 ✓
-264 -099 C(1)
-355 -115 +0.8

Handwritten notes on a piece of aged paper, possibly a receipt or ledger entry. The text is written in dark ink and is somewhat faint and difficult to read. The paper is yellowed and has a vertical crease down the center. The text is arranged in several lines, with some numbers and possibly names or dates. The paper is placed on a light blue background.

132
130
24
132
130

544.000*

9.000*

18.300*

-5.000*

-33.000*

-0.355*

-0.115*

0.800*

14.454

40.000

0.902

0.466

3166

~~32.025~~

-0.400

-0.736

-35.337

~~35.337~~

-1.466

0.491

-1.144

0.827
1.35

35.4

27.0

-76