

116445 13 21.2 +29 30 dno -3878w(5)

Cc18119 S. 93 +1.36 -

w7953 ~~0398~~ +243

M058857 9.5 ~~0347~~ +245

713041 ~~453~~ -445 +2522 cc

+2902405 ~~453~~ -4495 +23175 y



+45 -9 -33 .0579
+44 -9 -33 .0515
+63 -12 -31 .040

65512 4(17)

-0341 ±8.0
-0355
+252 ±7.5
+234

14.168 14053

1.524
692
15.

14.860

11
875

14.505

380
14.690
1.062

+29 29 41.23 1904.9

-11.37
29.86

35.57
-14

21.43
35.

37.67 19386

4692
33.5

13.10
26.53
24.9

28.6

28.2

14.4

*

20.0

LTT5327

13 416 - 53 571

12.51 +1.52 +1.38 0.085 .0.35 +12 -14 +23
11.45 +0.98 1, 2 8 +10.45 - 64p - 25p + 14p

-26 - .37

-763	-063	-644	+9403	+1105	+10508	+123
616	230	-753	-7542	-4033	-11625	-13.4
-196	971	137	+2415	+17029	+9494	+22.8

+39° 2675

13	37.0
13	39.0
13	41.1 7.7
	41.
	20

+39	59	306
+39	45	
+39	30.32	

573

82.3
76.5
56

E.B. Lex. +0.095 -0.097

9.0 K8 +7.5

+0.095 -0.097

H.D
205

8502-9078

-5265 -4301

306.000*

13.000*

41.100*

39.000*

30.000*

0.095*

-0.097*

2.050*

25.704

1.000

-0.641

-0.027

-16.496

-0.060

0.278

-1.267

-0.000

0.960

0.950

-3.3527

13

37.6

-3

5.3

51

13

42

31.7

-4

21.62

Mc-AL -161 -064

108 M2

654523.1

10

515

465 52.5

-52.5

-620 -120

11.83 1.50 BV

13.85

46.54

-1371

-120

10.76 89

1.88

-13.5

-18.498

966.856

0.759

-0.593

-0.237

-77.290

-1956.820

0.587

0.511

0.628

24.364

1612.703

0.251

0.623

-0.741

-53.580

23

1.850

-120.000

-1371.000

65.900

12.850

+16.794-62

13

55.1

+16 13

149

13

59

40.0

+15

45.50

1.4 Alden

ML-AL +117-014

10.0M2 +8.6

09071
124580
14
12.5
-44
46
642
1344c

F01205
435 V19
6.30 to 6.60 (168)

G-19227
27.595
1506.5
435
101225.6
-45075.2

1000
27.595
1506.5
435
10118-150 Sky
0.22
1404.9

9234
3433
5093
52.452
346.58
27.145
27.145
0.115
133

+093
+01205-1465
54.23
1926.20

179.81
13760

1128
434
1.60
83
57.04
5979
-13
524

8484
-528

1843
1058
524

124580.000*

14.000*

12.500*

-44.000*

-46.000*

0.128*

-0.143*

1.000*

18.20 22.909

3.400

-0.400

-0.719

-9.7 -11.597

0.113

-0.643

-0.1 0.412

-0.809

0.265

-13.8 -17.641

124580 14 12.5 -44 46 F=8 C=2.2

HR 5325

GL19227

PH 135

6.34 + 0.61 + 0.05 2.531

710

132-132

6.33 367 158 318 2.594 (3) 17397

368

264 + 3

245 - 35

9163 ~~8150~~ ~~4409~~ -5780

-897 -035 -719

646 409 -644

-316 912 261

-443 + 0.32 -4261

4464 -2714 4450

-2037 -6052 -8089

-2.7

-2.2

+0.9

134

Step 1363

1028 - 190 →

136

128165 14 3/8 +53 07 2.4 drs +14.18

19646
8489

-0215¹³ +242¹³ N30
-0230±2.8 +238±2.4 RC 9M10

7.23 99 59

68 +36 links
LY4
195

-0222⁶ +240 N30+

-6220⁵

-201³

+14.1

-148 +243
0.5

128165.000*

14.000*

31.800*

53.000*

7.000*

-0.198*

0.243*

0.500*

12.589

14.100

1.485

0.033

19.155

-0.000

0.529

7.452

-0.058

0.848

11.236

Row 53

set

MC 31032455

14 55.6 131 36

Y 3353

11.08 +132 +1025 (2)

M(H)

4 part

B 166-57

10.29 +0.66 (4)

+7.15

963
275

0325

LY (7)

B (18-2) +07
D (2-0) +25

✓ N⁷.

+240 -0.500-1.200

1108+1.32+1025 0.664 0.97 -36-54 +53
10.29+0.66 2,4 7 +9.05 -180-657 +201

R 82

AP

N 51.7 + 23 4.15

- 367

515
10.29 1.23 Study
10.39 1.22 ok

- 695 + 102

km=0.3
or P'

14.85
+ 23.75

- 259

148 1.59
B-V

102

0.0

367

14.850
23.750
-759.000
102.000
0.000
10
-36.700

-0.595
0.701
-0.393
2299.600
37.402

336

0.665
0.701
0.249
-1849.922
-27.619

-246

-0.451
0.113
0.886
1538.502
-17.114

134113

15 054 +09 04 979 E

43418.0

1841117

8.27 +0.57 -0.04 (3) 0.025 3.01

7.94 +0.24 (2) 30 +5.65

7.70

8(0.0) +12

0(m-0) +29

-100

1841113

0245

+85.5 -80.0 -1.4

3.05

-12 -18 +11

Wyd

Wyd

125072

14 15.5 -59 08 153 \bar{V}

43243

668 +0.025 +0.505 (2)

$\begin{matrix} 11(1) \\ 15.45 \\ \hline 1.089 \end{matrix}$

904(10)

6.23 +0.33 (5)

$\begin{matrix} 15.45 \\ \hline 20.5 \\ 0.5 \end{matrix}$ 098

1106(18)

$\Delta(18-1) - 19.5$

$\Delta(18-2) - 22$

95

N V W

Wyd +364 -18.6 -36.5

+23 -23 -30

136352

15 18.4 45 df

843
-546

-556
-515

567 +0.64 +0.05 0.059 +130 -58 +43 1.00
528 +0.275 43 18 47 -70 +11 +485

۲۲۶
۲۲۵
۲۲۴
۲۲۳
۲۲۲

136352 15 18.4 -48 08 G2E

Y 342 5.67 +0.64 +0.05 (3)

M(I)
+5.37 end

635(140) 5.25 +0.275 (3)

24

556(15)

497 3.00

8(18-0) +15

59

40 3.42

8(2-0) +36

5.67 +0.64 +0.05 +0.059 1.15

5.28 +0.275 33 15 +44

6.1 -1.613 -0.266

1.058

21 V W
+130.4 -12.6 +44.5

H463077

0.074

+131.3 -62.3 +31.0

-4:3873

15

15 19.59.13

-4 15

25 35.46

7230 -9418 } 0958
1408 } 034
0802 }

57

Y3471

96 (201) 57m (7) London

20194 -20194

-298-1016

17.2 ± 0.4
19.8
10000

-15.0 10000

9.3 110

-289 +003 Mil-ALC

24m (7) 12.83

20.55

159
-0.289 +0.003

-298

1029/53

820
744
611

-290 +20 150

1.3

4.

58.000*

15.000*

19.500*

-4.000*

-36.000*

-0.290*

0.020*

1.300*

18.197

-15.000

0.743

-0.747

24.726

-0.846

-0.033

-14.905

0.794

0.664

4.486

+3° 30.32

15 20.4

+3

6

74.2

15 25 10.8

+2

46.16

M.C.-AC -0.050 -0.013

10.15 MO + 8.1

Bl 589

15 33.1 +17 53

-44.2

6187-256

-1205-110

070

12.42 160

11.22-102 op

15.00 125

13.04 140 fr

15.55

+17.4

-1266

-160

160

-49.2

1

R.A. :	15.550	15.550
DEC. :	17.900	17.900
PM. R.A. :	%-1282.000	-1266.000
PM. DEC. :	-130.000	-160.000
DISTANCE :	0.000	1.600
MODULUS :	10	21
RAD. VEL. :	-44.200	-44.200
q1 (U) :	-0.469	-0.469
q2 (U) :	0.687	0.687
q3 (U) :	-0.555	-0.555
dU :	2285.653	2154.992
U :	47.386	69.535
		970
q1 (V) :	0.664	0.664
q2 (V) :	0.688	0.688
q3 (V) :	0.292	0.292
dV :	%-4265.159	-4315.090
V :	-55.544	-103.047
		576
q1 (W) :	-0.582	-0.582
q2 (W) :	0.232	0.232
q3 (W) :	0.779	0.779
dW :	3225.121	3150.099
W :	-2.183	31.381
		5806

LF1218 15 29.5 -19 17

3547.0

11.84 TL60 +1.05 0.105 -0.11 +31-52 +26
10.68 +1.14 272 10 +4.95 - .879 - .169 +479

-201-0-58

-416	2122	870	+4.242	-9847	3.2645	+31
6622	7322	-161	-6.3071	-3.4003	-9.7074	-92
-603	647	467	+5.7450	-3.0054	+2.7396	+26

139341.45

139323C

G-C 209841540

ADD STICKER

W9009C (9012 AB)

17105 9716666

15

34.2

+390 506 C -71.56W(13)

AB -70.36W(4)

709.205 W(15)

Y 3531

279.28/137

C 2.63 +0.95 - 595(12'')

+0.28

+4003905' AB

2903 C

-0888 053

Circle

AB

-449 +035 - C

AB-C 122''

AB 2.7 5540

Handwritten box containing: 4744 (48053), 4744 (48053), 4744 (48053)

C -452 +051 - C

+441 50
+65 102 - 1040
+65 102 - 1040
+65 102 - 1040

+36 -61 -35

+42 -64 -33

+48 -71 -25

.060

.050

.040

1.387

5456 W(12)

764 569 W(13)

48215 W(14)

897 2.559 (5)

(2)

-0390 ±6.4
-0417

+035 ±4.5
+043

18,519 19053

1,743

262

17 266

22,066

54,292

16,357

16,357

359

657

357

4187

16,094

1,168

15,930

-

439 57

57.50

-1.70

55.80

55.7

5-9.18

56.52

57.20

57.13

57.13

28.0

1927.2

57.22

1439.4

66

333

318

+ 1.38

1901.5

9716
 343
 32.5
 439 55
 440 05

Red 51

50404 + 044

Am-0.15
 Sp. Ord.
 549 ~ A. S. 68, 483, 1963

P = -709 a

56.05 Young-Steglers
 D. 74 Red. Am. Adv. Soc. 9, 120, 1434

3/16.5 x 10⁻²
 440 x 10⁻³
 15.6 x 10⁻⁵
 50 x 10⁻⁵

48 YK(4) A3 6.75 + 0.94 + 0.71

53 A(20) 6.39 + 0.275 (2)

52 6.08 6.83 20
 440 440 223

C 2.51 + 0.57 + 0.77
 2.22 + 0.29 (2)

643
 185
 20

TT M V M₁ = M₂ M₁ N V W

050 +5.95 0.63 +5.55 +42-64 -32

055 +6.15 0.47 +5.70 +40-62 -34

998

I II

1918.00	83	0.58	5VB	+1	0.00	0	+0.01
1920.34	69	0.64	2A	-2	-0.04	-2	-0.04
1920.83	70	0.65	6VB	0	-0.04	0	-0.04
1922.72	62	0.74	5VB	-2	-0.04	-1	-0.04
1924.32	58	0.84	3VB	-1	+0.04	-1	+0.04
1925.96	55	0.85	3VB	-1	-0.08	0	-0.08
1929.03	49	0.04	3VB	-1	-0.02	-1	-0.03
1932.40	46	1.21	3VB	0	0.00	0	+10.00
1936.34	42	1.42	3VB	0	+0.05	0	+1+0.04
1939.82	40	1.45	5VB	+1	+0.03	+2	+0.02
1948.62	35	1.86	2VB	+2	+0.03	+3	+0.02
1958.33	21	2.12	4B	+2	-0.02	+3	-0.03

	R.A.	:	15.550	
	DEC.	:	40.000	
	R.A.	:	-582.000	
	DEC.	:	53.000	
	STANCE	:	1.380	
	JDULUS	:	19	
	VEL.	:	-70.900	
	q1 (U)	:	-0.469	
	q2 (U)	:	0.846	
	q3 (U)	:	-0.256	
	dp	:	1202.558	
	U	:	40.825	
	q1 (V)	:	0.664	
	q2 (V)	:	0.528	
	q3 (V)	:	0.529	
	dp	:	%-1271.112	
	v	:	-61.518	
	q1 (M)	:	-0.582	
	q2 (M)	:	-0.078	
	q3 (M)	:	0.808	STAR
	MP	:	1211.250	
	M	:	-34.497	

Date: / - /

Observer:

140283

15 40.4 -10 46

3552.0

7.23 +0.49 -0.21 0.026 2.93 +165 -45 -20
7.00 +0.23 2,4 39 +4.45 +19 -46 +24

34

671

671
299

6243

344

AD597

15 72.2 +76 10

-47-1

Alt 76 8308

+825-760

12.19 ^{B-V} 1.63

15.7
+76.15

10.91 1.12

3496

-760

0.75

-47.1

8346 8951

-5432 -4458

15.700
76.150
3446.000
-766.000
14
-47.100
-0.439
0.851
0.288
-4782.454
-81.129
0.661
0.089
0.745
2264.994
-3.095
-0.608
-0.518
0.682
-513.578
-35.591

50.9503

15 49.4 50 32

44 34

594.1

R 2.5

921 418

590

2704 9664 2545

6272 2553 0158

+60° 25' 747

15	55.2	+59	44	755
15	56	58.4	+59	27.95

M.C-AC - .312 +.240 10.6 MO +9.1

-7°4156

15 52.0

-7 50

753

15 57 7.1

-8 6.23

✓

207 036

220 -27 ✓

McC-AC +.217 -.031

10.2! MC +9.0

5286	2411	}
3711	-4116	

220
-27
0193
-

R.A. : 15.950
DEC. : -8.100
PM. R.A. : 220.000
PM. DEC. : -29.000
DISTANCE : 0.60
MODULUS : 13
RAD. VEL. : 0.00

q1 (U) : -0.38
q2 (U) : 0.36
q3 (U) : -0.84
dU : -451.87
U : -5.95

q1 (V) : 0.65
q2 (V) : 0.75
q3 (V) : 0.02
dV : 570.94
V : 7.52

q1 (W) : -0.64
q2 (W) : 0.54
q3 (W) : 0.53
dW : -744.69
W : -9.81

ML607

15

598

73019

+31

AC630 35,50

-320-140

16.0

+303

-371

-140

1.0

+9.1

16.000
39.300
-371.000
-140.000
1.000
16
9.100

-0.378
0.816
-0.438
33.163
-3.456

0.652
0.570
0.500
-1368.290
-17.139

-0.657
0.896
0.748
933.985
21.606

G-16-24

16 043 408 31

-495 +080

-560

+80

1.50

420

R.A. : 15.100

DEC : 500

VEL. : -500

VEL. : -43.200

q1 (U) : -0.358

q2 (U) : 0.596

q3 (U) : -0.719

DU : 1064.266

U : 52.280

q1 (V) : 0.648

q2 (V) : 0.269

DU : % -1248.422

V : -36.528

q1 (M) : -0.673

q2 (M) : 0.369

q3 (M) : 0.441

MP : 1716.601

M : 6.551