945

−0046 ± 3.2 −016 ± 3.4
−0042 −014

97244 11 09.1 +14 40 6.3 A5m +5.5 B

15380 −0042 −0148
6876

6.481 1891.2 +14 40 19.96 1892.9
268 −0044 −018 → 91
.749 −064 −018 20.87

56.7 pA. 6.558 19.62 1932.4
12 11.21 1
570 560 19.63
189

6.540 45.1 19.42 1940.13 +53
11 8 86.3
551 20.00 43.4
19.81
−1.06

0647
2.55

−867 435 244 +2630 −0268 2362 +13.3 +1.3 +146
333 864 −3.66 −1010 −0535 −1545 −8.7 −2.0 −10.7
372 −236 896 −1128 −0145 −1273 −7.2 +4.9 −2.3

4368 11 14.1 -3 22 A7 III-IV

98058

~~155~~ 4.46 +21 +13 C

15511 1.434

6.9
108.5
136.5
3.70 47.7

128 174 1.037 ② SPC

-.1083 -.0365 PINK

1135
0131

```
R.A.  :    11.250
DEC.  :    -3.400
R.A.  :  -108.400
DEC.  :   -36.500
ANCE  :     3.700
JLUS  :    55
VEL.  :     4.700

 (U)  :    -0.869
 (U)  :     0.489
 (U)  :     0.076
  dU  :   361.168
   U  :    20.203

 (V)  :     0.346
 (V)  :     0.709
 (V)  :    -0.614
  dV  :  -299.976
   V  :   -19.372

 (W)  :     0.354
 (W)  :     0.508
 (W)  :     0.785
  dW  :  -269.415
   W  :   -11.114
```

Obse

Comments:

Observer: Date: / – /

STA			TIME
	R.A.	12.400	
	DEC.	45.050	
	PM. R.A.	-285.000	
	PM. DEC.	-9.000	
	DISTANCE	2.420	
	MODULUS	30	
	RAD. VEL.	-7.700	
	q1 (U)	-0.861	
	q2 (U)	0.453	
	q3 (U)	0.231	
	dU	802.374	
	U	22.679	
	q1 (V)	0.499	
	q2 (V)	0.840	
	q3 (V)	0.214	
	dV	-512.418	
	V	-17.266	
	q1 (W)	0.097	
	q2 (W)	-0.299	
	q3 (W)	0.949	
	dW	-79.476	
	W	-9.731	

Comments:

108799 12 275 -13 07

-12.3647

Lambing

-0171 -039

-250-039

2519

-2.85 0400

1.99

9942 — 9689

-1073 -2476

-32 -0.2

-112 -554 707 707 -185 -019 +0.6 -013 +0 -034

-021 -001 184 013 -161 867 +0.4 0 0

-0177 -022

34.325 1.3 -0189 -012 14.13 91.9

-0166 -012 15 41

86.2 / 67 401

-8 +43 (5) 025

+37 -24 -1

34.300 (52.76) 14.91 -20 14.71

18 / 318

-6 +34 -1 025

-0172 -008

34.705 8.9 4.16 025

40.412 58 5.01

34.077 (15.01) 14.77 -20 14.57

15 / 092

34.074

34.424 (05.20) 15.25

15 / 442 -20 / 05.05

−7.3646 13 27.2 −7 36 145

13 29.6 −7 50

Y 3101 13 32.2 −8 5.21

HD 118100 5

#26 Dup 17+15 Hy

.58 M(8) = U323 171 @ own

Row 478 −.38 od 9.3 R 8+25

−279 −092 Y
+1 −8
+2

−0.380

−0.270 M

−0.278 −0.098 171 1.5

```
143.000*

 13.000*
 32.200*
 -8.000*
 -5.000*
 -0.278*
 -0.098*
  1.500*
 19.953
-17.100

  0.828
 -0.467

 24.505

 -1.125
 -0.379

-15.958

 -0.049
  0.799

-14.644
```

4C

109312 12 31.2 −49 38 F5 IV–V +17.5

FD 1191 .048 6.37 +0.46 (1.60)

GC 17124

13m 8" 121°

43⁸ʳ

−0173 ± 9.0 −049 ± 8.3 −149 −39

Sley 1968

15.045 1900.4 −0233 −071

858 60.11 1897.5

.903 2.57

57.54

−0177	−063
+ 12	+ 7

−0165 −056

53.302 −705 42.83 1930.42 (−160)

21.505 +1.6 16.88

15.212 59.71

−14 +1

.198 59.70

−17

5987

9986 − 9225
0522 − 2716

1765
+175
0279
277

−0177 −063
−0172 −057
−2500 −058

−167 −058

```
  12.500
 -49.650
-265.000
 -63.000
   3.500
      50
  17.500

  -0.857
   0.176
  -0.485
 644.156
  23.792

   0.511
   0.155
  -0.846
-461.581
 -37.933

   0.074
   0.972
   0.222
-350.126
 -13.661
```

-233-972 513 552 -026-004 0 -005 0 -017

-018 0.107 005 -109 346 0 0 0 008

-14+48 -2

5112 13 32.4 +49 17

118232

18356 133 4.70 +12 +11 5

-207 075 153 1.044 (3) 500 2.852 (4)

+34

3.10 4,50

-13.3 206

-01341 +10273 412

-01316 +10323 075 +206 1029 2.852

1.579

-1348

-132+1034

8570-9789 1362

-4470 2046 0216

1362 +14 3.33

0240-3210

?.	:	13.550	R.A.	:	13.850
?.	:	49.300	DEC.	:	28.900
?.	:	-202.000	PM. R.A.	:	-137.000
?.	:	34.000	PM. DEC.	:	25.000
?E	:	3.100	DISTANCE	:	3.220
?S	:	42	MODULUS	:	44
?.	:	-13.300	RAD. VEL.	:	-16.100
?	:	-0.775	q1 (U)	:	-0.741
?	:	0.623	q2 (U)	:	0.648
?	:	0.102	q3 (U)	:	-0.174
U	:	584.593	dU	:	498.205
U	:	23.016	U	:	24.750
?	:	0.608	q1 (V)	:	0.628
?	:	0.694	q2 (V)	:	0.761
?	:	0.385	q3 (V)	:	0.162
V	:	-267.943	dV	:	-266.795
V	:	-16.293	V	:	-14.357
?	:	-0.169	q1 (W)	:	-0.237
?	:	-0.361	q2 (W)	:	-0.011
?	:	0.917	q3 (W)	:	0.971
W	:	47.649	dW	:	133.628
W	:	-10.212	W	:	-9.752

932 c2 32.6 −61 34 +6.0(4) C_5

109492

GC 17151

6.22 +0.74 (11.82) Gr ±

−0421±7.3 −096±5.5

39.042 1899.0 −0386 −098 1897.1

2.147 −0383 −091 5.08

41.189 50.24

14.732 −0393 −095 36.65 − 192767

15.158 +10 +6

29.890 −0392 −089 16.48

2.17 −275 52.13

11.044 −5880 +2.4 −3.01

30.107 −5883 9

18 52.34

125 −280 −089 53.25

0.13284	***
0.35114	***
-0.24437	***
0.36963	***
0.10127	***
0.39486	***
-0.26700	***
0.36370	***

7436
11.1
0466
166

Gl 534 ~ 13 570 +24 06

V 40148

5368 14 17.1 +02 37 +13

125489
19329

6.18+20+07 L

106 206 887 @ SPC

-0026-018
-0158

0388
+123
0069
579

-0390

-037-012

8085 9657
-5926 -2598

-0079 ±3.9 -019 ±3.4

7644 54% 0076-016 48.74 90.7

164 0076 -020 1.12

808 49.86

7616 6425 48.91

11 -26

626 48.65

7714 19337 49.13

30 -14

704 48.99

5229 13 50.9 +28 53 A7 V

121164

18769

6454

137
+25
3.22
14.1

-0094 +025

109 211 932 ② SPC 2.838 ⑤

-0093 +021

54.240 10.2
370
6 1 0

36.24 5.0
-0.44
35.80

-00935 +021

~~-00905~~ +0248

-00926

54.068 ⓐ.80

12

080

3709
-23
36.86

-1216

-119 +0288

1206

44.04
6.454
51.058

8434-9582
-5374 0600

-120 +025

2.336 4.5 −0048 ±3.6 −015 −027 ±3.2
21E −0042 −0118 .03 1.5
554 −0044 1.30
2.73

2.262 · 2443 8.40
+2~ −13
284 8.23

2.254 70.82 8.24
+4 −25
258 −0043 −013 8.52
∪ −0105

5791 15 326 +1 50 A3

188936
20946

-248

6.55 +28 +02 C

180 167 732 (2) 50C

0850 -87 -0086 -029
-108 -23 -008 -026
3.17
-4.8

0282
317

-084
-082 -023

5716 - 9450
-816 - 3270

0851
0732
3.17

R.A.	:	15.550
DEC.	:	1.850
PM. R.A.	:	-82.000
PM. DEC.	:	-23.000
DISTANCE	:	3.170
MODULUS	:	43
RAD. VEL.	:	-24.500
q1 (U)	:	-0.469
q2 (U)	:	0.507
q3 (U)	:	-0.723
dU	:	126.718
U	:	23.179
q1 (V)	:	0.664
q2 (V)	:	0.742
q3 (V)	:	0.090
dV	:	-338.947
V	:	-16.798
q1 (W)	:	-0.582
q2 (W)	:	0.438
q3 (W)	:	0.685
dW	:	178.484
W	:	-9.087

138936 -0057 -026 -0052±5.3 -040±4.7
~~139939~~ -0057 -074 -0058 -030
-0054 -023
15 32.5 +01 50 6.6 A0 -19.66

209416 -0055 -035

8989 32.762 1893.4 +1 50 6.37 1891.4
+294 -082 030 +2.34
33.056 68.55 7.09 8.71 1834.8
01.7pc. 32.797 32.65 -30 7.59
21 674 6.70 -14
.818 32.16 6.459 6.44 7.43
238 23 -33 1.28
639 6.11

-470	509	-721	+1827	-0724	+1103	+6.8	+14.1	+20.9
644	742	090	-2581	-1055	-3636	-22.4	-1.8	-24.2
-580	636	658	+2254	-0620	+1634	+10.9	+3.5	-3.4

+68°901 -0127±9.5 +252±13.0 8w

16 56.5 +68 06 9.3 dG4-15.86

22890
9785 8.69 +0.65 +0.08 (4) Eggs

-072+264 AG43
043 +262
-068 +263

S
-0143 -080 241 ±4 GAZ

+0127 ± 5.5 +258 ± 13.8
+0100 +221

30577 9.6 50.56 1/3

-514 -0007 +0024 -825

1033 40.51

30.46 (57.27)

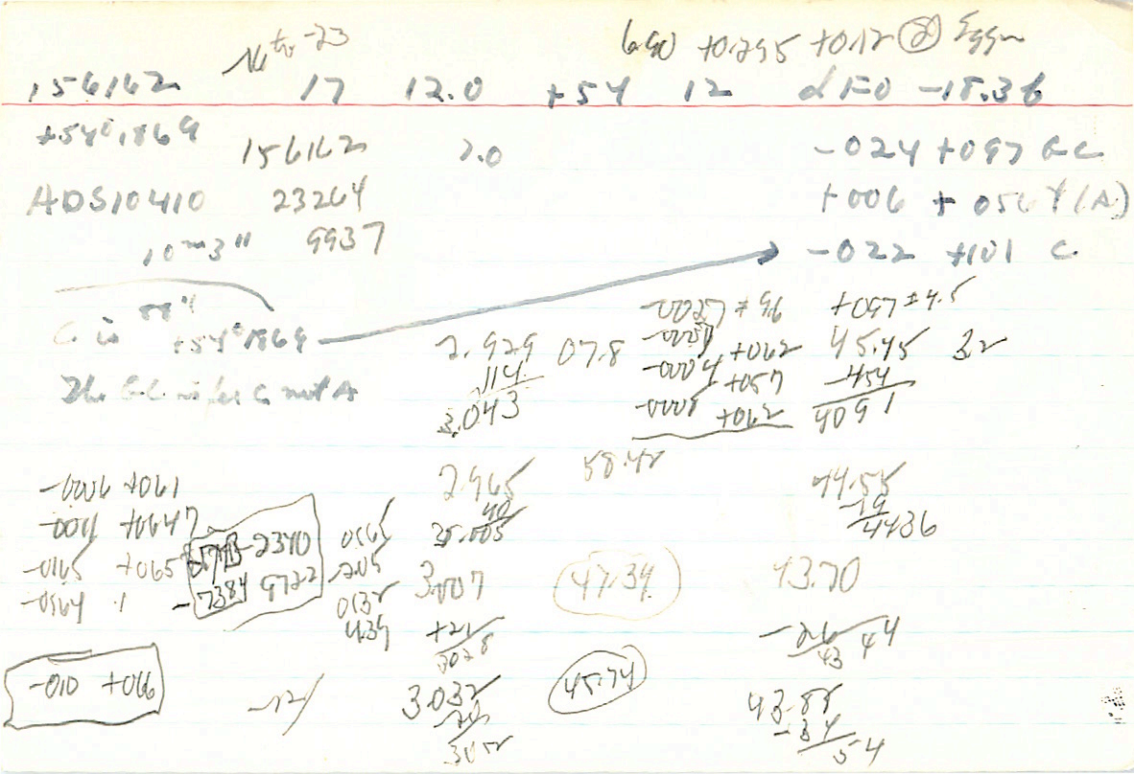
50

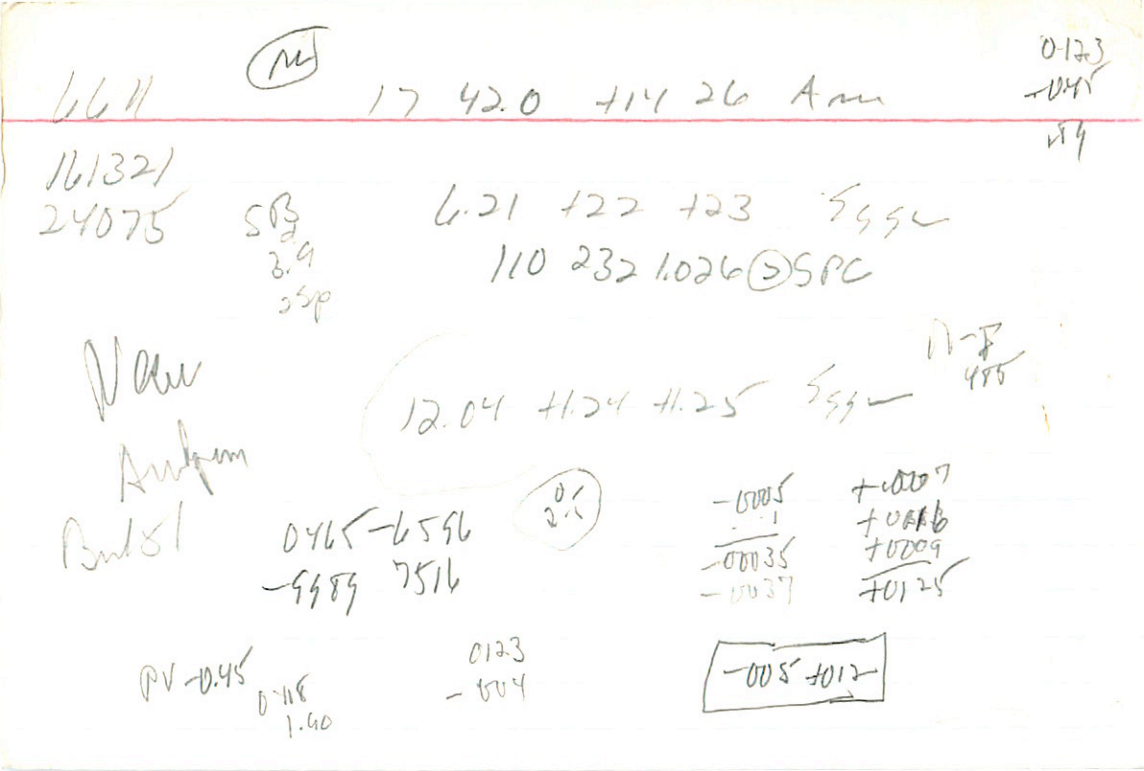
516 +5345

50

5325

+003





ADS10749 -0002±5.2 +013±4.6 Sp. B. P = 3.9
-0005 +004
16132 17 42.0 -0003 +14 26 6.1 A3p -31.3a
+011
24075
102503 0.632 1889.9 +14 25 49.03 1886.9
012 -82
644 -00033 +009 48.21
10m 38s -00037 +0133
615 48.41 1933.6
MV
4 -0054 -4
619 -003 +014 48.35
46.6
0118 0.613 48.68 1939.42
11 4462 -14
624 0601 44.39 48.54 302
622 ±15 -32 36.5
-003 +013 +33
-022 44.07 48.43 49.6
Autumnyut +22

6877 18 19.0 +28 50 3040 4020

168914 3555 9156

25057 5.11 +215 +13

1.477

133 169 1.087 ② 50C

+000 +1045 +047 ±2

3.904 004 000 +1048 4168 00.6

-5 0000 +1054 -2.31

899 3937

4278 0000 +051

3.910 4464 -23 +00615 +0553

-10 1255

900 +0026

3.898 4440 4335 +006 +053

6 -29

904 43.06

Comments:

186357 0.060 0.045 0.0740 +2.5 -25.8 -25.2 Fl III X

U 1276 hyg. in SPC (Delta Sct), with p>0.08d. Hα >50%.

186357
0.00 0.200 1.260 0.262 6.50 +0.33

0.0730 — +8.3 +23.8 -16.8 -7.6 -18.7 +39.1 +2.5

Ob

18V357 V.1224 4yy +0046 +045 (Outlying) 25.2 6

W12008 19 40.8 +060 +045 +29 13

HR7560

GC27291 0043±7.1 +037
0049 +046±8.3

P=0.08d 48.916 1902.0 41.21 1903.7 +056 +046 GC

+33 -206 .071 -2.13 24
10^5 6.49 .710 0046 39.08 +050
+63

48.843 +060 40.15 1928.69
0740 -2 -17
5077 8867 +2.50 +063 +045
-8616 4624 +02.30 841 +055 +051 40.01 +69 +41.9
319 +131 +059 +048 +0.93 +48 -7.0
-26.8 +063 4046 319 -27.0
-25.8

+430 +753 -433 | +023 +1729 +2952 +31.0 +10.9
L254 +352 +500 | +0928 +0764 +1496 +15.7 -22.7
-866 +498 +052 | -2463 +1086 -1517 -14.5 -12.5

R.A.	:	19.650
DEC.	:	29.200
PM. R.A.	:	69.000
PM. DEC.	:	45.000
DISTANCE	:	3.190
MODULUS	:	43
RAD. VEL.	:	-25.800
q1 (U)	:	0.426
q2 (U)	:	0.795
q3 (U)	:	-0.431
dU	:	291.278
U	:	23.789
q1 (V)	:	0.259
q2 (V)	:	0.350
q3 (V)	:	0.900
dV	:	148.538
V	:	-16.774
q1 (W)	:	-0.867
q2 (W)	:	0.495
q3 (W)	:	0.057
dW	:	-141.780
W	:	-7.625

λ Cas? V1276 Cyg

186357 19 40.8 +29 13 FU

HR7501 6.52 +32 +10 3 Egg

GC27291 +075 +042 ✓
−3 −3
+3 +3.5
+075 +043

.222 .187 .768 (2) SOC
2.728 (4)
(4.45) 218 62+

[m,] 227 −11
+055 +051 AGK2

[C] 724157
146 105 +141.9 −7.0 −27.0 +0044 = 060
+295 +150 −138 +044 −25.2

187458

ADS12572 19 46.8 +35 11 dF2 -27 -3③

6.5 .0141

133

+088 +068 1014 +081 +060 GC

-247 5 +091.5 +066 +084 +068 Gu(2)

+086 +064

+128 70 p. +40.5 -1 +4

x010 +10.1 -16.0 +085 +068

7.5 0313 +31.4 -28 -15.2 42.7

7.11 2.58 +12.3 -2.4 -16 +39.7

+4491 -12.4 -17.2

+1763 38.3 40.5 080 +064 -13.1

-1833 -13.0

-15.0

+1829	+2662
+0951	+0812
-3461	+1628

+454	+826	-336
+236	+252	+938
-859	+505	+080

+1721	+2506	+4227	+29.6	+9.1
+0895	+0765	+1560	+10.9	-25.3
-3257	1532	-1725	-10.7	-2.2

+38.7
-14.4
-12.9

-893 449 576 817 +086 +064 -27 037 -16 246

077 033 039 017 284 341 -22.1 -10 +20

+9 +43 0

+39 -15 -15

+10 +44 +2

+7 147 -3

441 -19 -15

1 41 -1
3 -20 -2
-6 -8 -1

7143 18 53.8 -1 52 40

17560

25995

175938 18 49.2 +79 53 6.3 A5 -4.88

25868

11317 +0081[16] +062[15] N30

+0068 ± 4.3 +070 ± 5.4 Bl 3N30

0078 +075

+0086 +068

11.587 97.7 +0068 +057 4.95 3.2

-408 -3.51

1.79 1.44

+077 +067

0067 +0673

11.649 58.05 5.22

+9/ 51 -5

700 5.17

+018 9981 1041

+020 +066 -0618 9946

070 070

11.629 66.47 05.04

+28

657

067

0674

0150

0717

0126

0075 -80

563 -24

213884 22 32.6 −58 09 +5.1 ± 1.24C

FD1286

6.22 +20 1.60 1=0E m

GL31524

+0096 ± 6.4 −010 ± 4.5

B543

35.428 1604.1

441

9 83

38.

34.30 1898.2

52

33.78

2.205

37.272

39.47 9

46 8

66

40

433

18.66 192780

43.82

34.89

02

34.82

06

34.76

7 Pag

215665 22 44.1 +23 18 4.1 g66-3.9a

31776

14307 $+0038^{79} -010^{75}$ N30

$+0037 \pm 0.9 -009 \pm 0.9$ Gl → N30

+16.5
5.5

+00422 -0058 FICY
-42

ERC 220

+0880-0100

$+058^{22}$

+000 -010

9429 9953 0887
-2.1
~~-330~~ -0966 00048
5.04

2156C 5.000+

22.000*
44.100*
23.000*
13.000*
3.060*
-3.019*
1.000*
34.811
-3.900

3.216
-3.011

3.632

-3.096
3.857

-7.183

-4.165
-3.515

-4.546