

8 20 ma 1.836

July  
1.837

4660

12 13.0

+ 57 19

A3E

106591

$1009.3$   
 $1009.3 + 1009.3$

$g = 0.14$

16736

$3.33 + 0.8$

+ 07 J

$40.98$

08110R

$114.3 + 12.97$

040 182

1.055

3506

$1000$

$3.31 + 1.88 + 1.43$

190

$350.0$

1.89

0.51

$4.68$   
 $11.0$

$380.0$   
 $104.0$   
 $142.0$   
 $150.0$

$0.065$

$1.350$

192

1105

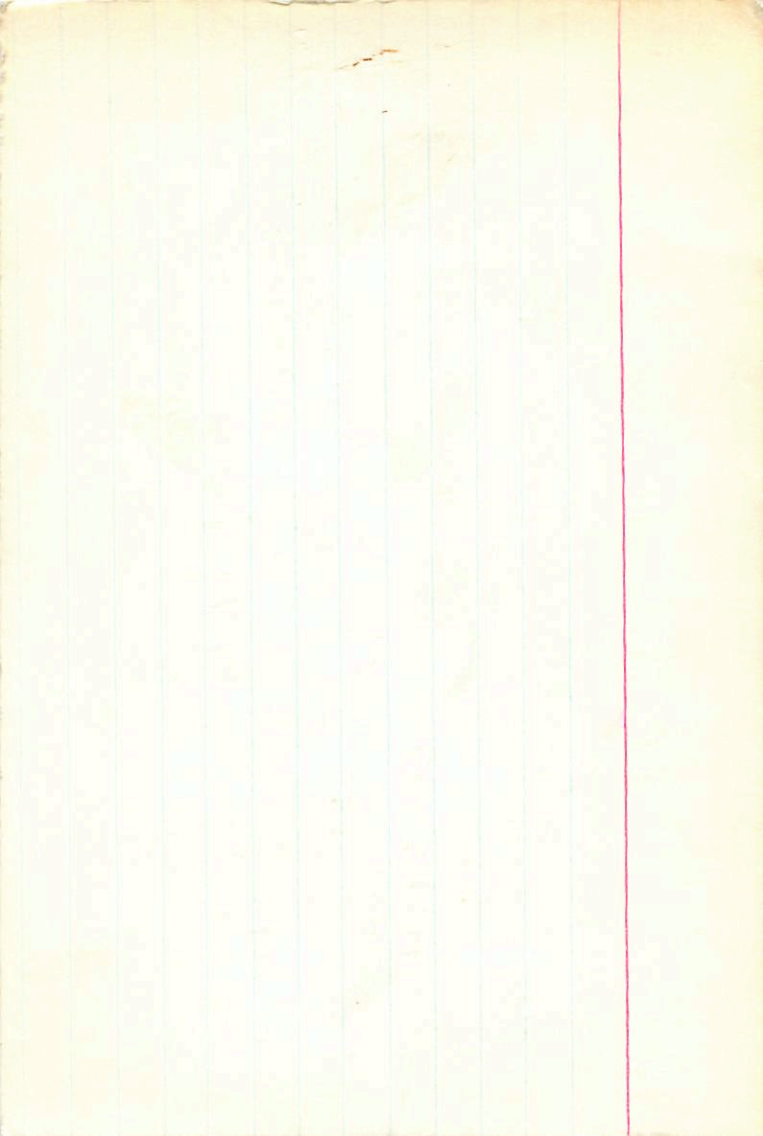
192

1.43

2.41

225

743



Summa 59774

+1.0  
+1.0

3.31 -088 1435

+1.34 +8.4 18605

4660 1065al

13.0 +57 19

-12.96

1.93

W7337 16734  
7337

3.27 +0.08 +007 130E +106 +003 C

3.31 +0.08 +0.07 1926

1025V 19A  
4005 160

+1129 +003 N30

+104 +003 N  
+101 +003 F

49A(25) V20

+0131 ± 0.8 +002 ± 0.8 GC → N30 1.64 1.93

64A(15) V20

103.7 ± 0.9  
103.3 ± 0.9  
12.2  
+873

9948 1041  
1052 1017

1039 1300  
10130

641 V92-1055 283 +9

9971 1038  
0758 0758

1010


175  
173

6850 -7642 9973 0735 102

7644 1.50






  
 R.A. : 22.200  
 DEC. : 57.300  
 R.A. : 192.000  
 DEC. : 9.300  
 TANCE : 1.940  
 DULUS : 24  
 VEL. : -14.300

q1 (U) : -0.868  
 q2 (U) : 0.356  
 q3 (U) : 0.346  
 dU : -411.100  
 U : -14.994

q1 (V) : 0.476  
 q2 (V) : 0.796  
 q3 (V) : 0.373  
 dV : 268.901  
 V : 1.230

q1 (W) : 0.143  
 q2 (W) : -0.489  
 q3 (W) : 0.861  
 dW : 48.622  
 W : -11.119



20060-090 Embury  
6880 mo  
-0030

+0054 ± 2.7 -100 ± 2.5 9980  
+0055 -085  
± 264 52 -097 -0.9 ± 0.89 -7257

35.0  
-0059

10054903

HD105799  
11119  
W7590

5.45 +0.33 +0.02  
12.5 18.5 / 2.5  
12 2.0

F2.5  
100562-098  
+0056-0448

+072 -100 GC  
+075 -097 GC

A058612  
7958  
78910.2

2.827 19010  
-265  
5.26

-26 5-1 46.890  
+0.35  
+0.38

8858.4  
12.6  
-264 15.2 09  
833.11 84  
-40

7.03  
12.285  
17.2 09

304 (19)

43.367  
19.285  
2.651

35.4  
12.15  
15.70

28.65 833.11 84  
-15.70 90 2.15 2.25 2.43

7.03  
+2.83  
5.05

4724  
-24  
4760

2.810  
802  
802

7.56  
7.56  
7.56

44.35 90 2.15 2.25 2.43  
+24 290 -1  
44.11 2.85  
+4.05 2.2

364  
38.0

2.725  
47.6  
47.6

2.810  
802  
802

200162  
44.77  
44.41

1939.64  
1939.64  
44.41  
-3.36

1164  
12.31  
-0.76  
-0.76  
-0.76

230 389

-952 -958 -452892 4075-097 -0.9 044 +0.4 -4.2

011 007 -074 -043 256 -317 -0.8 40.8 40.1 03

+93 -10.5 -13.0  
-14.2 -12.5

+8.1 -9.0 -11.4 035

-12.5 -0.7 -10.5

John P. MERRILL

dist  
Xerox  
dist  
HAM 521

2 Equid 6 -10 + 10 (9)

Oct 2 147 -291 022



10

RAD. VEL. : -1.000  
 MODULUS : 82  
 DISTANCE : 2.250  
 PM. DEC. : -90.000  
 PM. R.A. : 84.000  
 DEC. : -26.900  
 R.A. : 12.000

d1 (U) : -0.825  
 d2 (U) : 0.348  
 d3 (U) : -0.400  
 dU : -447.198  
 U : -14.072

d1 (V) : 0.252  
 d2 (V) : 0.478  
 d3 (V) : -0.709  
 dV : -17.898  
 V : 0.187

d1 (W) : 0.020  
 d2 (W) : 0.811  
 d3 (W) : 0.282  
 dW : -328.282  
 W : 11.205

d1 (W) : 0.020  
 d2 (W) : 0.811  
 d3 (W) : 0.282  
 dW : -328.282  
 W : 11.205

171

[E]

12.600	
-26.900	
90.000	
-90.000	
2.560	
33	
-1.200	
-0.852	
0.340	
-0.400	
468.795	
-14.760	
0.522	
0.476	
0.708	
1.397	
.707	
0.50	
	52
	340
	400
	198
	072
	.522
	1.476
	0.708
	7.633
	0.137
	0.050
	0.811
	0.582
	328.285

61748  
 110066 + 12 + 2 009252 891 2873 -8.75  
 12 36.9 +36 14 6.55 +04 +0.02

+3602295 Feb  
 86 17234  
 4816  
 10717.006.1

+0020±3.9 -013 ±3.0 115.85 18.7 A2p  
 +012 -011 +1586 1865 73 Dec 26.5  
 +0017 -008 -13.7a 184.5  
 -5.57 -6.1  
 12.6

51.114 1899.3 1820 +36  
 -102  
 .012  
 5.90 = 15110  
 26.7  
 19.31  
 26.7  
 35.05  
 +6.9  
 1846.5  
 31.5  
 +006215 -009 → 1130  
 35.04 27.09  
 -2.2  
 50.4  
 14.89  
 1925.9

19.603  
 51.083  
 +008  
 35.10  
 12.960  
 51.060  
 056  
 51.02  
 013  
 033  
 045  
 +033

190  
 1930.1  
 25.6  
 -18  
 35.4  
 35.53  
 32  
 19010  
 018.91  
 0044

-850 +512 +117 -0806 -0194 -10000  
 +524 +846 +102 +0497 -0321 +0776  
 +046 -149 +588 +0044 +0056 +0100  
 7287  
 1874  
 6747  
 9302  
 3464  
 0224  
 0023

1986 DAU 16, 797

-822 (5)

-154 (4)

-15-8-0.6 (4)

Smith S  
79 25

DAU 3, 163

(2)

Hill, G Fisher, W Adamson, H Hildesley Smitlan C

710 to -24 (8)

15





W1

R.A. : 12.600  
DEC. : 36.250  
R.A. : 0.000  
DEC. : 0.000  
TANCE : 0.000  
DULUS : 10  
VEL. : 0.000

1 (U) : -0.852  
2 (U) : 0.510  
3 (U) : 0.122  
NP : 0.000  
N : 0.000

q1 (V) : 0.522  
q2 (V) : 0.847  
q3 (V) : 0.105  
VP : 0.000  
V : 0.000

q1 (W) : 0.050  
q2 (W) : -0.153  
q3 (W) : 0.987  
MP : 0.000  
M : 0.000



123

W 0.8(2)  
B...

R.A. :	12.600
DEC. :	36.250
R.A. :	26.900
DEC. :	-6.100
ANCE :	5.560
JULUS :	129
VEL. :	-12.600

(U) :	-0.852
(U) :	0.510
(U) :	0.122
DU :	-102.301
U :	-14.783

5 3 1 1

(W) :	0.522
(W) :	0.847
(W) :	0.105
DU :	29.185
U :	2.459

1 (W) :	0.050
2 (W) :	-0.153
3 (W) :	0.987
MD :	9.600
W :	-11.193

657  
 42  
 657





$$\begin{array}{r}
 -189 - 982 - 972 \quad 489 + 110 - 074 + 8.9 \quad 065 - 7.8 - 171 \\
 021 \quad 012 - 108 - 064 \quad 403 - 455 + 4.4 - 4.3 - 0.8 \quad 035 \\
 + 7.2 - 13.8 - 12.8
 \end{array}$$

$$\begin{array}{r}
 +15.8 - 23.5 - 16.4 \quad 02 \\
 -26.9 + 5.9 - 18.1
 \end{array}$$

$$\begin{array}{r}
 +5.8 - 12.2 - 12.1 \quad 04 \\
 \boxed{-15.8 - 0.5 - 8.6}
 \end{array}$$

$$\begin{array}{r}
 +3.7 - 9.9 - 11.2 \\
 \boxed{-13.6 - 2.0 - 6.8}
 \end{array}$$

~~-12~~

05

025

no



110829

17339  
7647

+0139 ± 5.3  
+0152  
+0151 6.0  
12 42.7  
42-076 4.7  
0-75 ± 3.4  
-097  
G-8 + 8.9a

4.776 + 1.06

40.535 1909.3 -60 42 25.61 1901.7

9.5  
27"

-5625  
39,973

40.443

42.5  
480  
+507

70155 -072

33.4

+0152  
+0154

40.54  
-535

40.49 42.25  
515 46  
20 9004

+1100  
+110-017  
+110-77

-34  
2648  
27.22

+3.62  
29.99  
24.74  
-27

25.07

25.54  
-84  
4.6

26.  
25.73  
-3.74

-96  
-100  
-57  
-76

1939.01

8571  
42.7  
71.0

1017  
5169  
-10150  
21th  
Fred

h21

15/1

VEL. : 8.988  
 STANCE : 51  
 DEC. : 3.258  
 R.A. : -65.888  
 DEC. : 218.888  
 R.A. : -68.708  
 DEC. : 15.788

U : -57.891  
 BU : -441.432  
 P3 (U) : -8.232  
 P2 (U) : 0.048  
 P1 (U) : -0.846

U : 2.910  
 BU : 262.258  
 P3 (U) : -0.846  
 P2 (U) : 0.018  
 P1 (U) : 0.233

P1 (M) : 0.999  
 P2 (M) : 0.833  
 P3 (M) : 0.857

h21

R.A. : 12.700  
DEC. : -60.700  
R.A. : 218.600  
DEC. : -65.000  
DISTANCE : 3.520  
MODULUS : 51  
VEL. : 8.900

q1 (U) : -0.846  
q2 (U) : 0.040  
q3 (U) : -0.532  
dU : -441.435  
U : -27.061

q1 (V) : 0.533  
q2 (V) : 0.013  
q3 (V) : -0.846  
dV : 265.920  
V : 5.919

q1 (W) : 0.027  
q2 (W) : 0.999  
q3 (W) : 0.033

316 (16) 313 2.644  
257 (25) 244 11456  
HP4867 17449

+0145 ± 3.5 -005 ± 2.5  
+0147 85.4 -009  
1240180 96.5 -110 460 36

+0148 -0095  
+01484 -0097  
-12.00

584 2497 3-216 7-216

5.85 10.46 -0.04

+107 -005 6C

W7675  
(17) 9417

29.252 18504  
-858  
28,394

315 254 313 2.641  
300

+111 -007 6(2)  
710 35 31.94 710 -006

374(12) 8139

29.516 31.85  
+202 3155

32.23 42.8 1528.45

+10.6 Day  
+21.1 2

Carbon  
0150 2002

23.920  
5.090  
5.064  
29.919

45.9

11.32 7012 9999 1100 1199  
31.26 7130 0119 1033 120  
31.79 73.47  
51.67 36.7

110000  
228  
689  
699

29.203 7012 9999 1069  
219 7130 0119 1052  
-0.6

32.29 1945.02  
32.11  
31.88

41.0

150 439 21641  
1200  
696

0402 1.95

35865 425  
31.88

200

-712-1000 +0185



262-980 871 491 1110.006 ~12.0-505-10.4 ~014 ✓  
022.001-105 005 081 ✓ ~~~082~~ ✓ -5.9 +5.8 +1.2 043  
-516

+7.7 -10.8 -10.7

$\boxed{-19.8 + 0.5 - 9.9}$

128

YM.

LDK

2.750

50.000

216.000

-6.000

1.850

23

.44

SK

-13.000

-0.843

0.446

0.301

-444.196

-14.323

0.538

0.715

0.447

254.991

0.165

0.015

-0.539

0.842

23.254

-10.406

W 19 29 516  
296m 8200 12 4030  
+0022 = 2.2 -032 ± 1.8 (218 160 1128)  
+0018 -029 885  
46.4 + 24 A0 - 7.06

HRY865 11397  
+0020 head  
+0018 70.02 + 0.07 + 032 - 032 60

1740  
7675  
5.69 00 10.64 A25 + 028 - 029 F

2389 23.887 1500.9 + 14 23 42.27 + 030 - 034.64 +

2395 4196 -105 26.8 019 160 1124 2.88 896 - 20.22 + 024 - 031 1275  
779 -15.2 5.1105 24 8.10 0.77 + 14.4

2389 4280 537 844 (5.59) 35.9

23543 + 065 5099 - 0

158 851  
2360 - 019.2

1163 18.5  
18.55.91

18.55.91 408 - 022

408 - 022

MS

R.A. : 12.750  
 DEC. : 60.600  
 R.A. : 224.000  
 DEC. : -2.000  
 TANCE : 1.990  
 DULUS : 25  
 VEL. : -12.000

(11)

018 160 1124 2885

-201-950 245 969 1024-021-2.0-008-1.7-142

006002-028 008-009-142-6.8 +6.7 +1.4 013

+6.0-9.5-12.7

-13.8-2.3-9.6

+5.9-11.6-14.7 011

-16.6-2.9-10.1

014

+6.1-9.7-11.5

-12-2-9

MS

1941-241-24 SpA

1941-261-365  
 hr  
 SpA  
 SpA  
 SpA  
 SpA



LP

12.750	R.A.
14.400	DEC.
32.000	R.A.
24.000	
0.000	

gl

R.A.	:	12.750
DEC.	:	14.400
1. R.A.	:	32.000
DEC.	:	-24.000
	:	1.020

(M) :  
 (M) :  
 QM :  
 :

MP

R.A. : 13.730  
 DEC. : 14.488  
 R.A. : 28.880  
 DEC. : -19.288  
 STANCE : 2.118  
 ODULUS : 105  
 VEL. : 19.388

p1 (U) : -0.848  
 p2 (U) : 0.227  
 p3 (U) : -0.188  
 QU : -121.278  
 U : -14.248

p1 (U) : 0.238  
 p2 (U) : 0.228  
 p3 (U) : -0.188  
 QU : 0.411  
 U : 2.922

p1 (M) : 0.218  
 p2 (M) : 0.228  
 p3 (M) : 0.274  
 QM : -18.208  
 U : -11.014

92

R.A. : 12.750  
DEC. : 14.400  
R.A. : 26.800  
DEC. : -19.200  
STANCE : 5.110  
MODULUS : 105  
VEL. : -9.300

q1 (U) : -0.843  
q2 (U) : 0.527  
q3 (U) : -0.108  
dU : -151.678  
U : -14.949

q1 (V) : 0.538  
q2 (V) : 0.820  
q3 (V) : -0.198  
dV : -8.411  
V : 0.955

q1 (W) : 0.016  
q2 (W) : 0.225  
q3 (W) : 0.974  
dW : -18.568  
W : -11.014

Member Growth

62569

11456

404867

607404

404867

11045-002

[m] 215 +19

[m] 297

2-00

15779

41314

5784 249 763

12 46.5 +10 36

584 -1048 -0.06 2549

484

318 158

+14

326 180 450

318 156 303 2007

9999 | 1023

7150

-14.8 +1.2 -5.6

-446 +267 +16

1704

15039

SPC 2641

302

Carabony



10146-001 Country

100-001

6659	1110
6177	7444

9877	1450
686	9556

173 (10) X 10110  
 15.12.16 (13) 0 A 0 6, 157 1933  
 17.3 (10) X 10110  
 15.12.16 (13) 0 A 0 6, 157 1933  
 17.3 (10) X 10110  
 15.12.16 (13) 0 A 0 6, 157 1933

17.3 (10) X 10110  
 15.12.16 (13) 0 A 0 6, 157 1933

San RAS (name - 40336 1932

17.3 (10) X 10110  
 15.12.16 (13) 0 A 0 6, 157 1933

17.3 (10) X 10110  
 15.12.16 (13) 0 A 0 6, 157 1933



-224-974 931 556 413-011 -9.3-009 -7.7 -025

025-002-110 009 076 -531 -5.2 +5.1 +1.2 045

+6.8-10.6-8.3  
-12.6+15-5.1

64

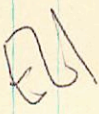
+7.0-12.1-5.4  
-19.9+2.5-8.1

44

-13 +2

05

+6.6-9.4-8.3



See Wojczyk  
Jasinski m  
1500 Act. Petri 30, 331

Hokmen P  
Tepstunali 06  
+ 19 64

Acti. Epur Ser. 24

183  
AETHA  
-11.6+11.2-5.3

03

47,4  
544

11  
224-974 11-181-22 554

+7.1  
101  
101  
502  
502 h. 8

Handwritten scribble or signature at the top right.

Faint, illegible text, possibly bleed-through from the reverse side of the page.

1137

1137

1137

*Handwritten scribble*

12.850  
56.250  
200.000  
-6.000  
1.350  
19

~~9.300~~  
-13.0  
-0.836

0.483  
0.259  
-454.285  
-10.865

*1632*

*116*

0.548  
0.731  
0.407  
267.832

*+0.46*

*10.7*

1.199  
-0.000  
-0.482  
0.876  
0.644

*-9.54*

-7.966  
*11.1*





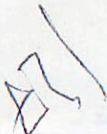
13.850	R.A.
58.250	DEC.
300.000	PM. R.A.
-2.000	PM. DEC.
2.000	DISTANCE
-13.000	MODULUS
	RAD. VEL.

-0.836	P1 (U)
0.483	P2 (U)
0.250	P3 (U)
-420.207	P3 (U)
-14.525	P4
	P5

0.242	P1 (U)
0.731	P2 (U)
0.407	P3 (U)
300.131	P3 (U)
1.421	P4
1.421	P5

-0.800	P1 (W)
-0.421	P2 (W)
0.087	P3 (W)
0.087	P3 (W)
	P4
	P5

Handwritten notes and labels including 'P1', 'P2', 'P3', 'P4', 'P5' and other illegible text.



R.A. : 12.850  
 DEC. : 56.250  
 PM. R.A. : 200.900  
 PM. DEC. : -6.000  
 DISTANCE : 2.000  
 MODULUS : 25  
 RAD. VEL. : -13.000

q1 (U) : -0.836  
 q2 (U) : 0.483  
 q3 (U) : 0.259  
 dU : -456.267  
 U : -14.825

q1 (V) : 0.548  
 q2 (V) : 0.731  
 q3 (V) : 0.407  
 dV : 269.130  
 V : 1.465

q1 (W) : -0.000  
 q2 (W) : -0.48  
 q3 (W) : 0.87  
 dW : 9.62  
 W : -11.44

*Q<sub>c</sub> 0.48*  
*Bluf and Snowden 1973*  
*ApJ Sup 2d (155)*

57

1.87

10

~~784 ma~~  
~~195739~~  
 24M 165 878 2708 +334  
 24V  $\frac{160 \cdot 553}{240} = 384.5$   
 $\frac{300}{240} = 1.25$   
 $\frac{12 \cdot 58.6}{240} = 0.29$   
 $\frac{23 \cdot 67.6}{240} = 0.61$   
 $1.25 + 0.29 + 0.61 = 2.15$

HR4931  
 113139  
 17664  
 2762  
 160 0.0395  
 158 629  
 156 (20) 570  
 5.93 + 0.36 + 0.07 = 6.36  
 5.10  
 +114 - 0.16 6.2  
 +120 - 0.03 6.30

W7762  
 9.5 1"  
 90pm  
 +0.146 - 0.13 0.30  
 +0.137 ± 2.0 = 14 = 1.66  
 122  
 $35.15 \cdot 15 = 526.5$   
 $629$   
 $24.656$   
 $35.254$   
 $1743$   
 $13.0$   
 $1306$   
 $1203$   
 $1143$   
 $1107$   
 $1107$   
 $1107$

10636  
 10636  
 10636  
 10636  
 $10636 + 1187 = 11813$   
 $10636 + 566 = 11202$   
 $10636 + 203 = 10839$   
 $10636 - 1107 = 9529$   
 $10636 - 1107 = 9529$   
 $10636 - 1107 = 9529$   
 $10636 - 1107 = 9529$   
 $10636 - 1107 = 9529$   
 $10636 - 1107 = 9529$   
 $10636 - 1107 = 9529$   
 $10636 - 1107 = 9529$

6139-024  
 01343-0221  
 6.41 1109  
 6.70 1103-018  
 3.5.5.13  
 29  
 542

hch no #3 4th 21(7) Ap 5-5 43,549 40,047 RGO 14

Abt levy 1980 ApJS 43,549

-253-996 835 550 +117-014 -10.4 -012 -8.7 -105-035

030-003-114 012 085-554 -5.7 +5.6 +1.4 -12.7 49 +12.0 0395

117-12-16  
-16 -2 -15

+8 -13 -10

-15 +2 -10

04

+7.7 -12.4 -9.6

-14.7 +2.1 -9.2

045

+7.5 -11.0 -9.5

-14.5 +1.4 -9.1

245

28

Handwritten notes on a piece of paper, partially obscured by a blue strip.

Blue vertical strip on the left side of the page.

Handwritten notes on a piece of paper, partially obscured by a blue strip.

Handwritten notes on a piece of paper, partially obscured by a blue strip.

Large area of handwritten notes on a piece of paper, partially obscured by a blue strip.



SL

A  
70239  
458

R.A.	::	12.950
DEC.	::	56.650
M. R.A.	::	0.000
M. DEC.	::	0.000
DISTANCE	::	0.000

9

4466

160825

52573

13

33.5 - 47 22

33.95 - 50.42  
17.24000

NV

8013

65376  
3 UMa

000 176 1044 240 9087  
023 235 911 2886  
13 21.9 +55 11 -5.0a

+2.0 +4.6 18.6  
7.00 1.44

HR 5054/5 - 116656/7  
183214 79556

$\beta \times 2.04 + 0.02 + 0.04$   
17361

17361  
183214  
79556

A05887/1

5054

+124 -028A } 6c  
+115 -026B }  
+124 -028A 4c

$\Delta m = 1.66$

1211.23 0.01 - 2.01  
41733.01

+120 -025A 1c  
+122 -027 1c

21.9

-20.4

1.6x39 A 12.0

-12

1004 2407

+124 -028A 4c

1.6x39 A 12.0

1125 063 289 911 2886

4187 -026 209

1373 009 176 1004 2407

911 2886

+120 -025A 1c  
+122 -027 1c

32.1

32.1

4187 -026 209

1125 063 289 911 2886

911 2886

+120 -025A 1c  
+122 -027 1c

+01387

01419

32.1

32.1

1004 2407

+124 -028A 4c

121.5 -020.4

121.5 -020.4

4187 -026 209

1125 063 289 911 2886

911 2886

+120 -025A 1c  
+122 -027 1c

121.5 -020.4

121.5 -020.4

4187 -026 209

1125 063 289 911 2886

911 2886

+120 -025A 1c  
+122 -027 1c

121.5 -020.4

121.5 -020.4

4187 -026 209

1125 063 289 911 2886

911 2886

+120 -025A 1c  
+122 -027 1c

7891 -6510 976 -200 1212

7891 -6510 976 -200 1212

4187 -026 209

1125 063 289 911 2886

911 2886

+120 -025A 1c  
+122 -027 1c

350-637 821 571 +122-027 -9.0 -022 -7.4 -071 ✓  
043-008-114 021 104 <sup>-575</sup>-5.1 +4.8 +1.8 045

+7.1-11.1-9.0

$\boxed{-13 + 2 - 9}$

04

+7.4-12.6-9.2

$\boxed{-18.7 + 23 - 8} / 6$

+7.3-12.0-9.1 ✓ 042

$\boxed{-14.1 + 2.1 - 8.7}$

129

154

✓

13.35	:	P.A.	:
27.29	:	DEC.	:
100.00	:	B.A.	:
100.00	:	DEC.	:
1.258	:	DISTANCE	:
25	:	MODULUS	:
412.000	:	SAD. VEL.	:

0.750	:	d1 (U)	:
0.270	:	d2 (U)	:
0.180	:	d3 (U)	:
513.800	:	QU	:
14.880	:	U	:

0.290	:	d1 (V)	:
0.270	:	d2 (V)	:
0.400	:	d3 (V)	:
270.180	:	QU	:
1.240	:	U	:

0.154	:	d1 (W)	:
0.420	:	d2 (W)	:
0.880	:	d3 (W)	:
247.245	:	QU	:
11.215	:	U	:



blu

R.A. : 13.350  
DEC. : 55.200  
PM: R.A. : 212.900  
PM: DEC. : -20.400  
DISTANCE : 1.950  
MODULUS : 25  
RAD. VEL. : -12.000

q1 (U) : -0.796  
q2 (U) : 0.576  
q3 (U) : 0.189  
dU : -513.890  
U : -14.880

q1 (V) : 0.593  
q2 (V) : 0.677  
q3 (V) : 0.437  
dV : 276.136  
V : 1.540

q1 (W) : -0.124  
q2 (W) : -0.459  
q3 (W) : 0.880  
dW : -26.747  
W : -11.212

5062 (65497)

116842

23.2  
13 ~~82.8~~

Trade 110 -120±05(2)  
+55 vs ASE

5207.1 -9.5

Apr 5 11, 429 -126

DAU 8, 17 -91

Apr 5 10, 205 -74

Apr 5 10, 105 -10.5

120.35 16.49  
4049 0.57

097192 926 2.547

7696 9766 / 1212  
6386 -2151 / 0093

0458  
200  
54.4

66200  
-8.00 B...

27 17.8  
4.8

+30

7844i 13 21.6 +0.3 55 AP -11.98

5105 118022  
18335  
6032

4.94 +0.04 0.00

0.14

+039 -031 G-C  
+043 -028 M30  
+041 -030

9 A(20) +0024 52 -028 V6 M30

24M(7) +0026 ± 1.5 -026 ± 1.6 G7 M30

207(112) +0443 -0230 FNS 4389 ~ 2403

17.79 0.80

2.850

+00268 -0268 W350 +00027 -028 F104

13.5

+00303 -0274

+3.9

2833 7785

2642 7785

04420

+0436 -0247

1948

+0453

4.4

+0472 -0238

2.47

2550

0886

0496 0893

0496 0893

0496 0893

967-2500 7792-6268

0152-199

2550

0496 0893

0496 0893

4.34

736

-359 -521 068 916 7091 -030 -5.0 -0.6  
-1.9 002 0 -1.2

016 0 -038 -0.0<sup>2</sup> 078 -150 -149 +74 +3.1  
095

$$\boxed{-10 + 3 - 15}$$

+13.4 -10.0 -10.6  
014

$$\boxed{-13.1 + 8.0 - 13.0}$$

+13.9  
+8.0 -10.9 -11.5  
013

$$\boxed{-13 + 14.0 - 16.7}$$

+8.0

30

075.	0-	:	
080.	0-	:	
187.	0-	:	
202.	0	:	
205.	0-	:	
270.	022-	:	
272.	01-	:	
300.	0	:	
267.	0	:	
232.	0-	:	
282.	00	:	
288.	0	:	
821.	0-	:	
804.	0	:	
809.	0	:	
822.	07-	:	
823.	01-	:	



	:	4.340
	:	74
	:	-5.000
	:	
	:	-0.781
)	:	0.509
)	:	-0.362
U	:	-222.077
U	:	-14.577
	:	
)	:	0.605
)	:	0.762
)	:	-0.232
dV	:	36.582
V	:	3.857
	:	
W)	:	-0.158
W)	:	0.400
W)	:	0.903
dW	:	-79.669
W	:	-10.393



112.200  
57.300  
191.000  
9.000  
1.750  
22.300

کے

-0.858  
0.356  
-409.346  
-15.320

14.07  
-447.19  
-0.400  
0.340  
-0.827

-1.000  
32  
2.250

00.000  
00.000  
00.000  
00.000

01 (U)  
02 (U)  
03 (U)

RAD. VEL.  
MODULUS  
DISTANCE  
PM. DEC.  
R.A.  
DEC.  
R.A.  
DEC.

33

121

467  
156.04  
158.04  
158.04  
-13.751  
-0.14  
0.489  
0.14

121

R.A. :	12.600
DEC. :	-26.900
PM. R.A. :	84.000
PM. DEC. :	-90.000
DISTANCE :	2.550
MODULUS :	32 ✓
RAD. VEL. :	-1.000
q1 (U) :	-0.852
q2 (U) :	0.340
q3 (U) :	-0.400
q4 (U) :	-447.198
q5 (U) :	-14.072



10/1

10/1

10/1

10/1

10/1

10/1

10/1

10/1

10/1

10/1

10/1

901

R.A. : 12.750  
DEC. : 60.600  
R.A. : 224.000  
DEC. : -2.000  
DISTANCE : 1.990  
MODULUS : 25  
VEL. : -12.000

1 (U) : -0.843  
2 (U) : 0.443  
3 (U) : 0.305  
dU : -443.548  
U : -14.755

1 (V) : 0.538  
2 (V) : 0.710  
3 (V) : 0.455  
dV : 273.589  
V : 1.386

1 (W) : 0.016  
2 (W) : -0.547  
3 (W) : 0.837  
dW : 13.269  
W : -9.709

WS 19 29.865 2851 (40.30) +0022 = 2.2 -032 = 1.8 (378) 160 1125 (40.7)  
2960m B2020 12 46.4 +14 24 A0-7.06 -029 10.985

H94865 111397 5.70 +0.02 +0.07 +032 -022 6.2  
17401 (5.67) 00 +0.06 A25 +028 -029 F  
7675 2548 B 240<sup>2</sup> +030 -034.66 +

23891 23.987 1900.9 +14 23 42.32 +024 -031 1275  
23405 41.96 -105 26.8 019 160 1.124 2.88 896 -20.22 114.4  
9 1.779 -19.2 145 1120 8.10 0.77 33

23891 23.826 -93 844 (35.9) 1933.6 736 -24  
42.80 437 42.02 42.02 36.8 -9 402  
+14 -37 23.943 +065 +014 -024 43.09 1940.0 0353

11250m 851 (37.9) 0806  
0260 -019.2 +019 -024 42.84 8513 8094 0323  
-11.3 18.5 -024 +029 -013 1.11 -4495 -5873 0003  
-11.3 18.55 -010 4028 -022 545

018 160 1124 2885

-201-950 245 969 1024-021-7.0-008-1.7-14.2

006002-028 008-009-14.2-6.8 +6.7 +1.4 013

+6.0-9.5-12.7

$\boxed{-13.9-2.3-9.6}$

+5.9-11.6-14.7 011

$\boxed{-16.6-2.9-10.1}$

014

+6.1-9.7-11.8

$\boxed{-12-2-9}$

18

5141-241-24 SpA

598' 192. SpA  
hr<sup>sp</sup> SpA  
SpA SpA SpA