7928 40 days 20 41.1 +14 54 Am?

197461
29873 Sold Van

4.44 +32 +10 I

616
150 163 854 (2) SPC

2.738 +697 +193

See Add A

269, 195 1993 (NO)

443 041 1.227

Bird 51

-20
-43
418
343
+93

Baade, D. Bardelli, S., Beaulieu, T.
and Vogel S. 1993 269, 195

8

-763 646 257 966 -024 -044 +9.3 a -011 +2.0 -204

+018 008 -016 -007 -052 -114 +7.3 +4.7 -5.6 013

+2 -16 -14

-21 -3 -6

+1.2 +3.2 -11.6 015

-16.9 -2.2

+3 -13 -5

01

UMa +1.0 ← -1.5 +1 -4

+1.8 -11.9 -9.3 018

-14.6 -0.8 -4.9

+1.7 -12.3 -10.0 017.

-15.3 -1.7 -4.4

015

+1.2 -13.2 -11

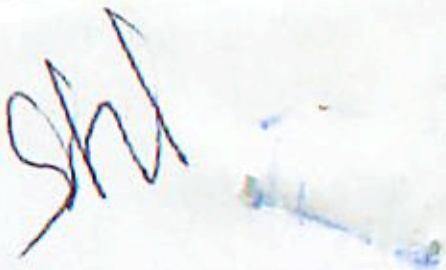
-17 -2 -4

02

+2.1 -11.3 -8.2

-13.5 -0.1 -9.8

145



R.A.	:	20.700
DEC.	:	14.900
R.A.	:	-20.000
DEC.	:	-43.000
STANCE	:	4.180
DULUS	:	69
. VEL.	:	9.300
q1 (U)	:	0.618
q2 (U)	:	0.627
q3 (U)	:	-0.475
dU	:	-184.336
U	:	-17.053
q1 (V)	:	0.082
q2 (V)	:	0.549
q3 (V)	:	0.832
dV	:	-119.472
V	:	-0.456
q1 (W)	:	-0.782
q2 (W)	:	0.553
q3 (W)	:	-0.288
dW	:	-41.020
W	:	-5.488

γ Mic 20 58.2 -32 27 64 III

8039

19951 -0.0020 ±0.54

4.66 ±0.89 ±0.54 C

4.20 ±0.32 2E

-17

-2109 ±0.19

14.55 0.24

3.86

3.4

-0.00001 ±0.0079 F154 +17.6a

-31

-3.7

5.4

3.94

+17.6

-2

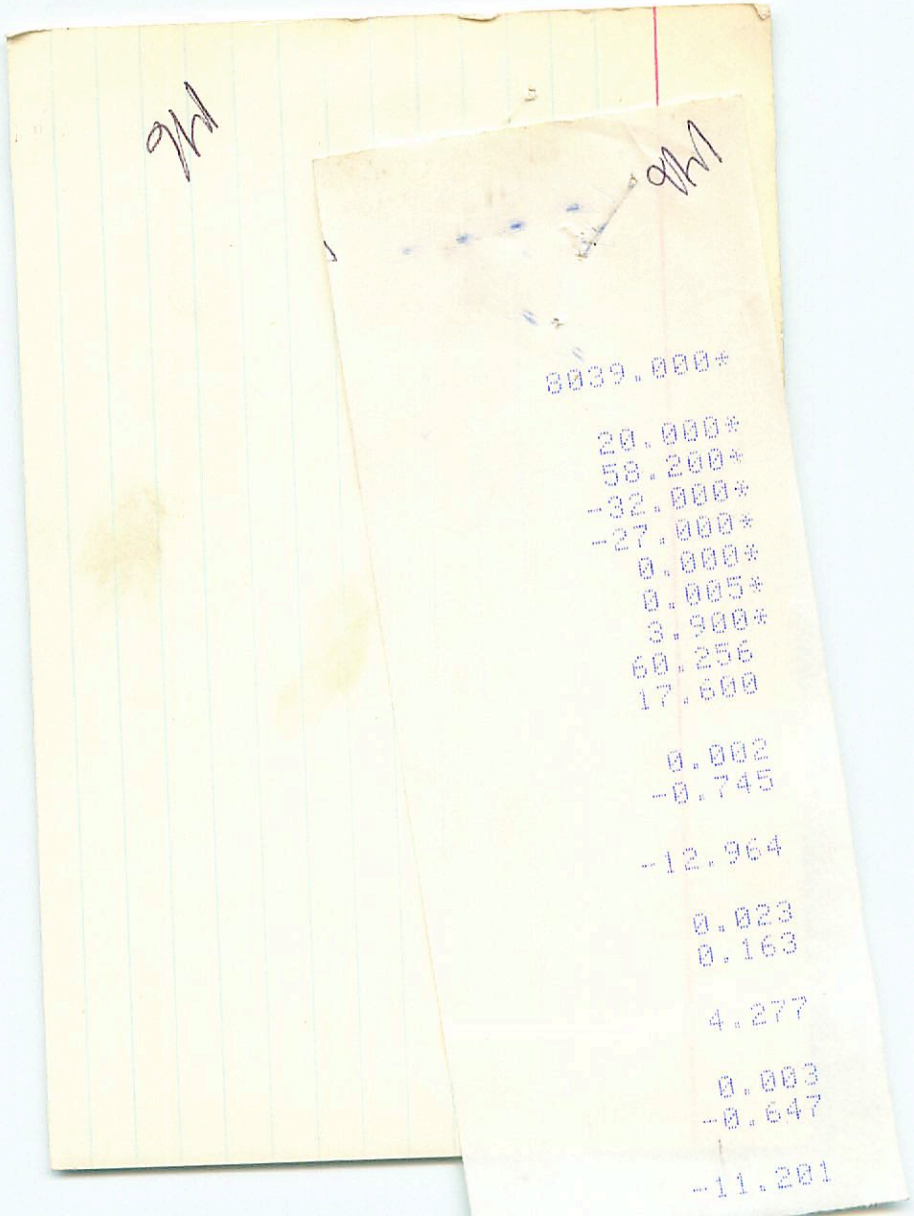
-0001

000 ±885

34

±0.5

1147 762 152 MF



8039.000+

20.000*
58.200*
-32.000*
-27.000*
0.000*
0.005*
3.900*
60.256
17.600

0.002
-0.745

-12.964

0.023
0.163

4.277

0.003
-0.647

-11.201

9h1

```
R.A. :    20.950
DEC. :   -32.450
R.A. :    -3.700
DEC. :     5.400
ANCE :     3.940
ULUS :    61
VEL. :    17.600

 (U) :     0.657
 (U) :     0.098
 (U) :    -0.748
  dU :    -7.223
   U :   -13.600

 (V) :     0.039
 (V) :     0.986
 (V) :     0.163
  dV :    24.662
   V :     4.379

 (W) :    -0.753
 (W) :     0.136
 (W) :    -0.644
  dW :    14.622
   W :   -10.436
```

-13.5
+4.0
10.6

1147 26 — 156 MP 35.1 M 169

γ Mic 20 58.2 −32 27 G4 +17.6 a

HR8039 465 +0.89 gG5

W13156

105738 −0001 +0079

−0020 +0054 FRS

−0020 +0054

−3760

1254 0054

G4 7550

+008 +005 GC

+001 +008 K

000 +006 F

+003 +006

209 −0.14

1454 0.74 Com

−0001

+002 +005

#71 53385 441 ② 0.316 Comin

1301 −1324

G4 −7474

1320 9912 −516 −5025 006

δ mic +0006 ± 2.8 +005 ± 2.6
-0001 +009

19995 | 20 58.2 -32 27 4.7 64 +17.62

29331

13196 13.756 1406.7 -32 27 16.43 1504.9

-026 -23

730 16.66

7.7

16.74 1542.18

13.726 +7 1581.

-23 16.67

703 16.27

39.5 39

36.941 36.449

36.811 20.25

13.772 1941.35 +

-19 16.74

741 +19

13.741 16.53 13943

-7 46.5

734 41.6

1955.52 15.68 1955.90

-2

15.71

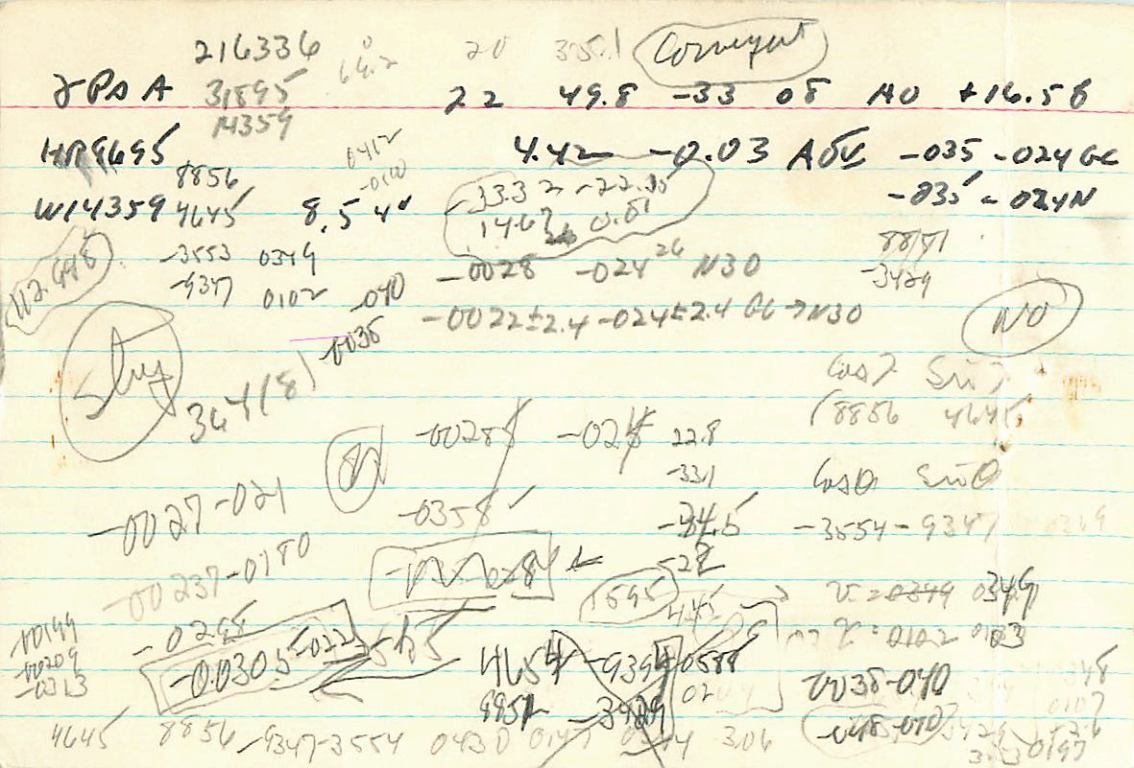
14

```
A.  :    20.950
C.  :   -32.450
A.  :     0.000
C.  :     0.000
CE  :     0.000
US  :    10
L.  :     0.000

U>  :     0.657
U>  :     0.098
U>  :    -0.748
dU  :     0.000
 U  :     0.000

V>  :     0.039
V>  :     0.986
V>  :     0.163
dV  :     0.000
 V  :     0.000

W>  :    -0.753
W>  :     0.136
W>  :    -0.644
dW  :     0.000
 W  :     0.000
```


γ Psa
Corrupt
HR 9695
W14359
Sky
N30
N0

-301 +954 -54683 -035 -024 +16.5 013 -9.0 -095

-010 -004 -033 -012 009 -175 +13.8 +13.2 -4.1 025

+13.5 -11.1 -13.0

-14 +17 -16

027

+13.5 -10.6 -12.5

-140 +18 -16.8

-333 -2.34

1447 0.61

4851 -9397 | 0890

8745 -3419 | 0096

28 -64 5 -43

8695 22 49.7 -33 08

21336 005

447-04-14 (03)

-012 133 979 2.831
125 981
38
1239

-0025 -034 N30 F104

-0350

-0335 -025

+16.5 22.8
-33.1
-40
-24

7651 -1395 | 8851 -3414 | 44 +16.5

M_v = +0.35
V_0 4.4
4.15

5634 -7260 | 8262 -6307 | 0864 -0012 -035 0170 3.85 | 0348 0036

8677 22 45.4 +58 13 A0

030 112 1.110 2807
121 1104
242
1346

8570.000*

000*

104

Shl

22.800
-33.100
-40.000
-28.000
4.150
68
16.500

0.851
0.293
-0.437
-173.956
-18.965

-0.276
0.956
0.103
-82.993
-3.919

-0.447
-0.033
-0.894
75.459
-9.646

8/11

-22.800
-38.100
-34.500
-22.000
4.450
78
16.500

0.851

AJ 57,55 Strickland Paul Weatherby J 1964

HR4473 2 2 093 +71 s2 -2.5 B

UK81044 6.38 -0.05 -0.18 -010 -024 GC

W13953 NO

313 (15)

10434

-6.49 -1.74

6.38 0.48

-3.91 -1.57 -075 134 422 0520

AJ 74,379

AAO 4,379

AAS 57,55 -3435 0233

-4/4 ±0.5 (2) -3632 -3391 -0005

Aikman G. 1976 AAO 14,379

-464 886 951 311 -010-024 -2.8 -023 -2.7 -033.6

-004 -010 -009 -020 07.6 -05.0 -0.9 -0.8 +0.4 008

+8.7 -10.7 -6.8

007

+10.0 -12.3 -7.6

→ -13.4 +4.6 -10.7

006

+18.9 -14.6 -8.2

-16.6 +6.1 -14.8

?

5.71 124 1034 -505 +7.67 18.7

905 0 10.9 +40 46 dA7

HRM
23 Dec
Cu244

Cowboy

-0107 -147
-122 -147
1470
-0014

(5.6) -1 -
5.70 +0.21 -0.02 25[illegible] Am 6304

222 156 613 ② SPL 2.717 ⑤ C7
509

-01027 -1455
-01637 -1428 W3404
-1167

-116 -147

8 18.7
1.57
0.00

[m,] 196 +15 +20 +31
[g,] 529 +35 +34 +59

578
69

π_v = 2.45

-43.7 -19.7 -14.7

-720 +101 -561

2-M 325

-182.9 -147.6
-105
(5)

6853

1918
5005

-0524


R.A. : 0.150
DEC. : 40.750
R.A. : 0.000
DEC. : 0.000
ANCE : 0.000
ULUS : 10
VEL. : 0.000
(U) : 0.392
dU : 0.000
U : 0.000
(V) : -0.469
(V) : 0.254
dV : 0.846
V : 0.000
0.000
(W) : -0.154
(W) : 0.919
dW : -0.362
W : 0.000

H01051 0 12.3 -14 27 GAS -8.56

125
GC275

6.9 684 0.24

→ -7 +1
-042 -043
-067 -060 GC
-067 -047 GC+

-14.24

GC -0046 ± 10.6 -060 ± 10.0
-0046 -030
+2 -3

0 12 15.694 1501.4 -14 27 18.88 1500.3
224 +2.98
918 -.90

10 59.385 -0668 -036 35 37.73 1934.85
11 16.40 037 + 20.44
12 15 -036 27 12.31
-04 -40
+44
16.56

-155 -065 -041 77 -1.00
-0827
3.05

0766
-0064
1.2
1357
3.00
+0.7

9668
114
7
3
7
7
4
2

0547.99 - 250 968 -067 -047 -8.5 -012 -2 -2.13

003 0 -067 -012 071 -317 -8.2 -5 -1

-1 -30 -23 01

-37 -4 -5

02

-4 -17 -13

-21 -5 0

+C.67 1934.86

$\rho_{20} = 1.44$

1900.3

$\rho_0 = (2.14)^2 = 4.54$

$\Sigma = .346$

$\Delta\mu = +0.013$

/20

S1

```
R.A.  :    0.200
DEC.  :  -14.450
R.A.  :    0.000
DEC.  :    0.000
ANCE  :    0.000
ULUS  :   10
VEL.  :    0.000

           0.868
```

S.B. orbit P=33'

+0083 ±3.3 −208 ±2.8

+0083 −196

9312 1 29.4 +16 42 6.8 G5 −4.5a

865

+0083 −196 (Cambridge)

126 −195

1852 29 21.143 1897.7 +16 41 34.36 1892.6

434

709

20.

ADS1202

0 +2

+0083 −200

11.94

46.3 0

Gm, 50

1934.6

7.0 } optical
10.0 } 44"

21.010

+.015

37.87

+7

37.54

37.8

28. 0.393

1 20.542

29 20.935

+46

991

+5

21.024

+.315

1930.10

33 53.05

7 44.62

39.67

−52

29.15

+25

39.40

33

41

146

345

41.19

G6

83 6

25

7 68/4

6933 5420 2358

−3552 −8406 0003

21.05

+61

38.09

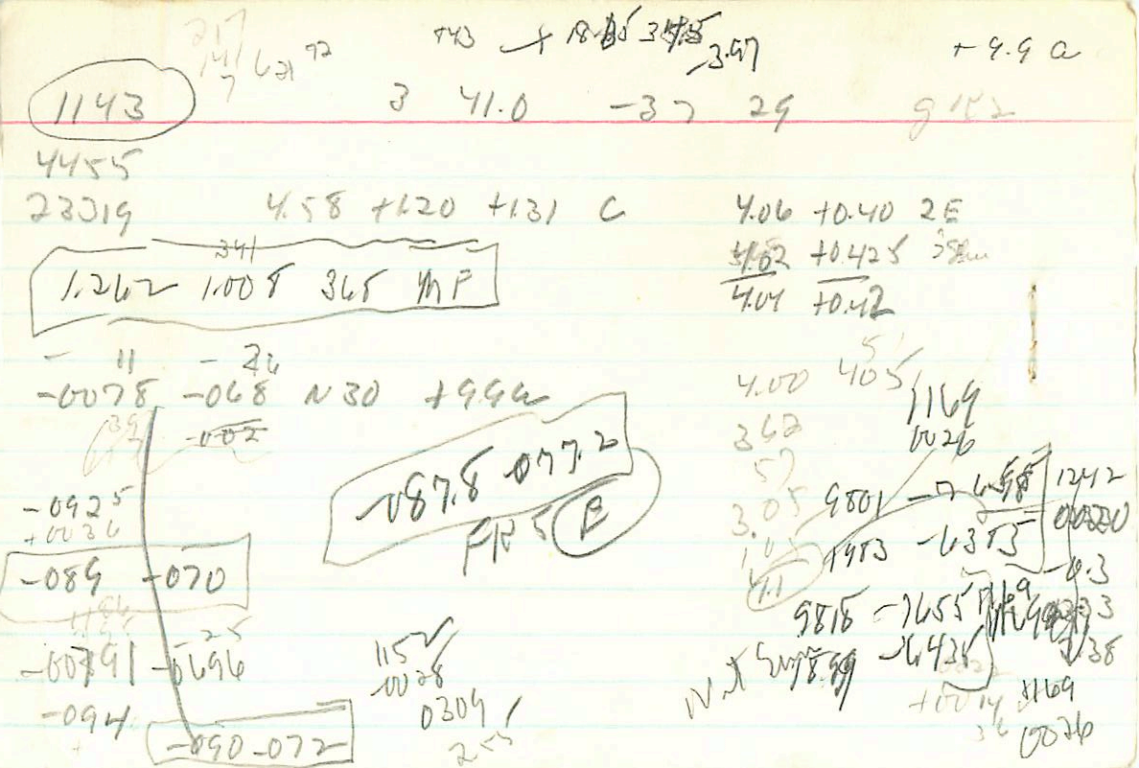
−8.21

36.40

+.59

36.99

1935.93



191

1143.000*

3.000*
41.000*
-37.000*
-29.000*
-0.090*
-0.072*
4.100*
70.8 65.069
9.900

-0.477
0.305

-28.465

3.099
-0.524

1.360

-0.248
-0.795

-24.264

1220 4 05.2 +59 46 -14.0

258717 6.80 721 384 447

(446) -0025 -028 PPM

-018 -008

1.249 832 261 MP

-35

TP -8

1206 003 6.93

-14

-1.20

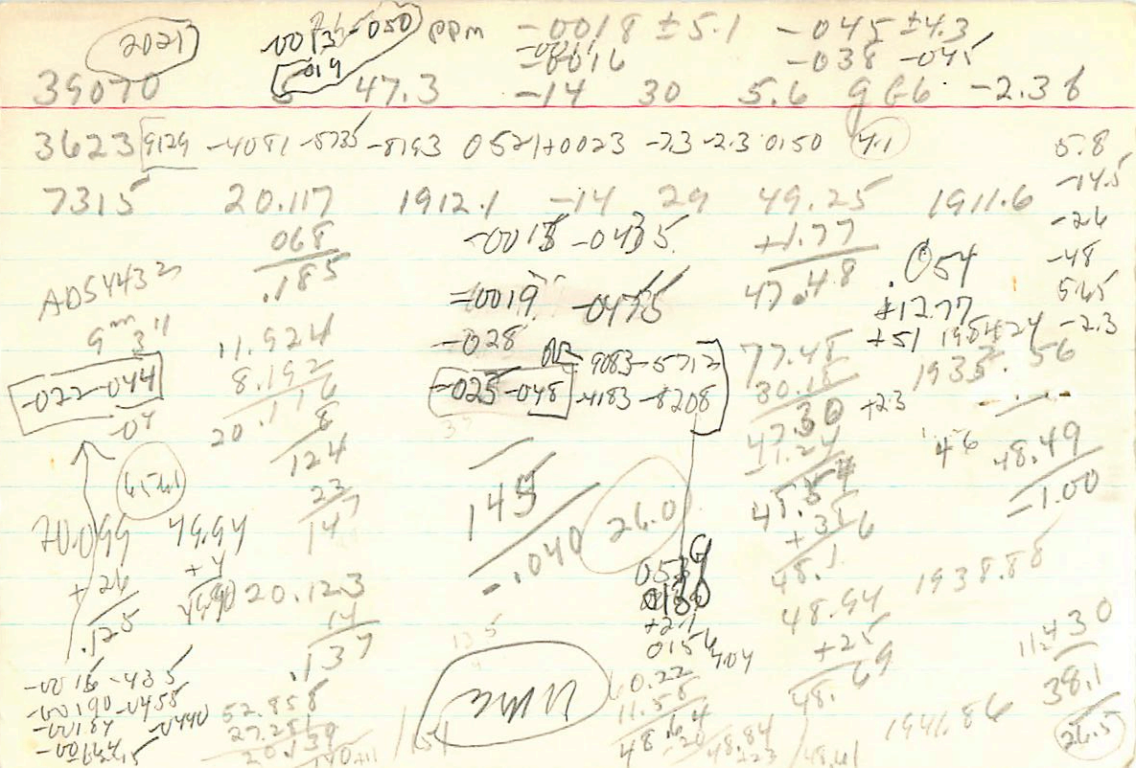
-1.80

5.58

166 291 182 028 155

152

R.A. :	4.100
DEC. :	59.750
PM. R.A. :	-35.000
PM. DEC. :	-8.000
DISTANCE :	6.930
MODULUS :	243
RAD. VEL. :	-14.000
q1 (U) :	0.358
q2 (U) :	-0.447
q3 (U) :	0.820
dU :	-12.950
U :	-14.633
q1 (V) :	-0.648
q2 (V) :	0.514
q3 (V) :	0.562
dV :	34.663
V :	0.559



9288 — 5503

4183

-3706 — 8350

1537

0064

+21

0156

4.04

(3)

-5.800
-14.500
-26.000
-48.000
3.650
134.90
-2.300

-0.021
0.687
0.726
-153.828
-22.421 11.4

-0.516
0.615
-0.597
-78.342
-9.195 -3%

0.857
0.387
-0.341
-190.265
-24.881 11.7

3/008 & 48 -013

-0004 -011 Cowby -006 -011
-0010 -013 It

818 -4372 +1.20
-5804 7707

~~+334~~ 24.3
~~+335~~ 24.6
~~+238~~ 24.7
+339 24.7
7.14

-0007 -012
-010 -012 15.5
-004 7.10
-011

5.800

HD41593 6 03.5 +15 33 dKO −11.78 m(3)

6.73 +0.81

48.612 1884.4 +15 32 59.32 1888.5

49.7

48.634

50.6

1 0 248 964 -110 -111 -11.7 -030 -3.1 -5.0 7
8

110 030 00 5 24 0 42 -11.3 0 -11.3 05
8 3

+10.4 -8.5 -13.3

-12.8 -1.2 -13.8

+13.0 -2.7 -14.9 -15.9 04

-13.1 -2.7 -12.4

06

+8.7 -8.9 -11.6

-12.4 -0.5 -11.5

+7.5 -9.3 -10.4 065 7

-12.4 0 -9.9