GL1-35

262123 21 08.8 +73 30 dBY +8.86 w(3)

GC29606
W13817
Y5104
+73 0925

8L9 84. 45
8.70 +0.81 +0.51 NIER
δ = -06

-330 -350 GC
-326 -385 GAZ

-85	+38	+2	.026	+5.9
-170	+62	+2	0.015	+4.6
-228	+89	+2	0.010	+3.7
-64	+32	+2	0.035	+6.4 MS

32M(4)
26G(8)

27±5

-0774 ± 5.2 -390 ± 5.2

-774 -400

45.00 S 1898.2 +73 29 53.52 1896.3

4.009 30 20.94

49.014 14.46

46.49 30 1.1 1930.3

39 -25

529 0.85

2016Q7 21 9.0 −40 28 F>E

HR8102

GL29614

5.80 +455 −3 25 yy—

.284 .17 ~~.42~~ ~~2.67~~ 2.67 ② 0, 9, 12, 8

≤20

463

[M] 223 −1

[C] 368 −33

2.00 +1.8 −26.1 −7.8

+123 −1042 −221

9886 6040 AAAA-

+0038 ± 4.1 −221 ± 3.6
+0050 −222

201647 21 09.0 −40 28 5.83 +46 1.60

29614
13327

+0052 12 −222 12 N30
+0043 ±4.1 −217 ±3.6

FIE +3.4 ± 0.4 C, (4)
+12.10 2 Sta
+7.8

1.347 1906.0 −40 28 19.80 1901.3
−167 10.76
180 9.04

365
178
256

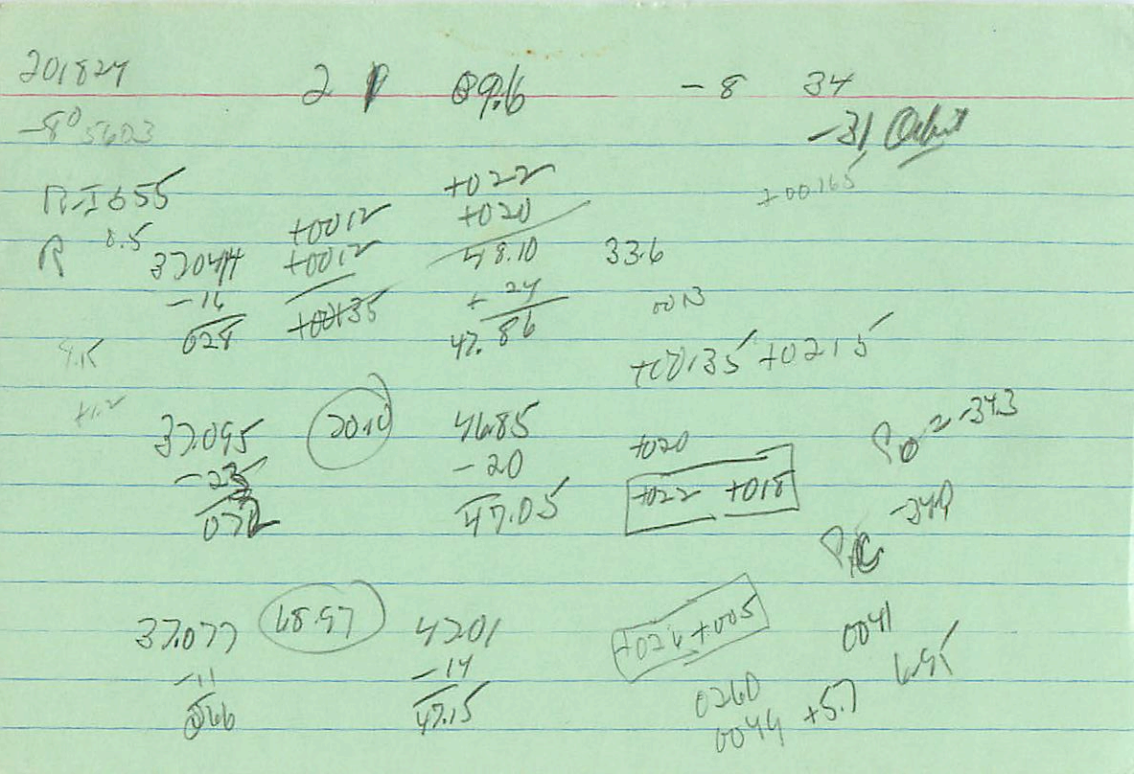
1.367 41.0 17.64 1939.15
−14 12
353 17.52

768 9402
384 47.0
+204 45.7

3811
19.20
−10.16

01.424
−9
415

20.74 1954.87
−13
20.89



+0158 ± 41 −123 ± 3.7 11 lin
+0153 −120

20177Z 21 09.9 −39 38 5.3 dEY −44.28

29640

13331 51.480 1905.4 +0155 −123 Stag 1968
± +4
−39 37 47.87 1902.8

702
50,778 → 5.26 +44 +0159 −119 (1.58) 5.81
−0.055 42,06

770 51.297 δ = +06 46.36 1938.76
−13 17
284 831 (41.6) 46,19
416 1477 47.38
638 − 5.32

51.556 48.45 1955.61
−9 −13
547 48.58 94.3
47.2
(44.4)

Not Rya ?

201772 21 9.9 -39 38 dFY

HRR104

GL29640

5.26 +44 (-5.5) Cape

25p.

12

.284 .158 .359 2.667 (2) 2,343

293

[N] 210 +13

-41

[C] 341

2.14 +48 -14.8 +13 +0160 -44.2

+6 -6 -7 -117

201939 21 09.8 +30 25 GF -19.6 6

+062 +040 GC

-23.5 (1)

+0045 +025 Cal Lamp
058 025

8096 8092 0616
-5870 5875 -0136

-676 737 344 537 +062 +040 -49.6 014 -7 175

042 009 046 010 152 261 -18.4 -14 +12 009

+3 +41 +12

20185-2 21 10-1 -36 35 +0-4 (2)

8108

+0129-008 Sleeve

+035-011 Shaft

+60

-71

55

404

9

202017 2d 10.

+140 4556

13337

8.08 +0.

R.A. : 21.150
DEC. : -36.650
PM. R.A. : 60.000
PM. DEC. : -11.000
5.500

6D384 21 110 +49 54

+81 (1)

100 av

6522 9860

-7580 1542

1.88 av 2603

R.A.	:	21.200
DEC.	:	49.900
PM. R.A.	:	0.000
PM. DEC.	:	0.000
DISTANCE	:	0.000
MODULUS	:	10
RAD. VEL.	:	0.000
q1 (U)	:	0.693
q2 (U)	:	0.720
q3 (U)	:	0.026
dU	:	0.000
U	:	0.000
q1 (V)	:	-0.005
q2 (V)	:	-0.031
q3 (V)	:	1.000
dV	:	0.000
V	:	0.000
q1 (W)	:	-0.721
q2 (W)	:	0.693
q3 (W)	:	0.018
dW	:	0.000
W	:	0.000

10

10

+0026 ±4.6 −023 ±4.1
+0022 −026

202128 21 11.1 +15 47 6.2 A3m −29.6 6

29673

13340 7.580 1907.5 +15 46 31.92 19049

AOS 14761
2.0-7.0
0.2

−111 +12 −25 −3 1.04

469 32.96

7.525 32.52 19340

6 18

531 32.70 658

(29.7)

7.537 31.95 1939.70 1158

+ 2 +22 37.2

539 104 7 (32.3)

7.534 32 19378

5 35 31.71

+066 32.76

−80

8115 21 10.951 30° 21' 3.40 KO

64 ζ Cygni

29661

13338

+30.0

+153 (II)

3.20 G8 II

+1.00

+0.75

H+R

+17.4a

$V_0 = +17$ km

0.691	0.687	−0.223
−0.002	0.311	0.950
−0.723	0.657	−0.217

.0446

+71° 1053 21 11.2 10.7 +71 29 44 −22.1 1 Sun

G2 IV

9.74 +0.54 −0.02 2 Sun

S = +09

+5.0

m − M = 4.75

89.2 parsecs

+214 +248 GAZ

+212 +245 #30

+147.6 −45.6 +1.7

+689 +666 +281	+6924 +7841	+14765	+131.7 −6.2
+001 −389 +921	6010 −4573	−4563	−40.7 −20.4
−725 +634 +268	−7286 +7453	+0167	+1.5 −5.9

HR 8114 21 12.2 −53 28 −12.4 51.1

5.73 +0.20 A7 V Sun
A5 III d Vom 72

$\Delta m = 0.0$

+022 −018 GC
+034 −013 N
016 −011 F
+024 −014

+00813 −0134
+0380 −0107 Fit

202103 21 12.2 −53 28 ATE −12.9 ±1.1 C_2 112

29704

5.73 +20

Dm=0 0.11.2

+0038 N −013 13 N30

+0039±3.9 −013±3.5

426

143

286

+0025 ± 3.1 +029 ± 2.5
+020

202403 21 12.4 +40 56 7.2 Ag65 -11.7a

29710
13349 23.663 1898.6 +40 56 19.08 1892.2
AD514778 −128 −1.68
7.8-8.1 535 17.40
1.3

24.06 5.5 1928.8
57448 11.588
23.528 17.369
16 18.07
544 +8
−3 18.45
541 75
+006

RR Aqr 1804

202306 21 12.4 −3 06 8.6 gM2 −18 26

133572

−007 −022 high

+022 +047

-0003 ± 5.7 -011 ± 3.1
-0010 -008

202519 21 12.7 +58 05 7.0 42 -4.46

24721

13356 42.870 1905.1 +58 S- 22.30 1893.5
APS14784
7.8-7.8
1"

013
.883

1.52
41.070
890
42.
885
892

42.804
0
848
-035

30.9

62
22.92
9.7
12.45
22.15 19263
22.50
65
22.17
22.82
22.56 1946.80
-19 19
22.37
22.60
-.32

7310
36.0
42.5

H 5 P=.46

SW Agr 21 12.7 -00 08 -5dw(2)

10.37 ±02 11.4 mi

11.69 ±.33 11 wi

Δ S = 5

-048 ±3 -064 ±3

-055 ±10 -064 ±10

-051 ±6 -045 ±6

-049 ±3 -060 ±3

-667 745 0 1 -049 -060 0 0 0 -284

-033 0 -036 0 -156 -171 0 0 0 001

-156 -171 -284

-297 -212 +31

-142 -155 -258 017

-268 -194 +29

-104 -114 -190 015

-198 -142 +20

-90 -128 -224

-233 -148 +24

dlap
202320
29722
13359

t0008 ± 2.0
+0010

+002 ± 1.7
+004

21 12.8 -20 52 5.4 GNO -5.2a

47.280 1901.3 -20 51 37.54 1896.9

-039
,241

21.933
25.410
47.343
-13
330
-48
282

47.291
-15
,276
274
+033

329

-11
37.65
50.13
11.48 1928.40
38.67
102
37.65
+32
39
37.
37.76 1939.96
+19
37.57
37.45
+20

6836
34.2
37.3

14

211123 22 13.1 -32 07 8.54 8

-32016974 000

-006?

+0394-026

R = 740

Rj = 331

+040 -010?

6550 9746 0412

-5786 -2242 -0008

-0.55

Mj = +110

Hyads?

00066

542

$P_c = -22.6$

$P_0 = -22.5$

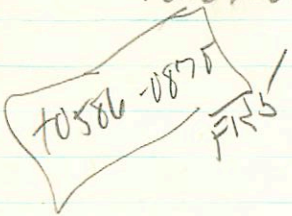
α Equ
2024 47 21 13.3 +05 02 4.1 dF6 -16.2

S.P., ρ = Dentch

29735
13363

+0037 92 -083 92 N30 -18.5 Odm

+0037 ± 0.9 -085 ± 0.9 GC → N30



14 Apr

−0009 ±2.6 +0006 ±2.3
−0007 +009

202461 21 13.6 −09 25 6.8 g M4 +8.0 6

24742

13365 36.757 1902.0 ~9 25 26.64 1898.4

043 −31

.800 26.95

16.241 40.70 1929.90

20.568 12.80

36.809 27.90 7023

−28 96 35.1

.781 26.94 26.61 (36.7)

−13 +.34

.768 774 26.6 2 1940.33

36.796 −026 26.88

−750 +28

26.60

(34.7)

0020 -042

=

4.33
+14
447

39.78
+1

11.33
+1
11.34

441
-7
434

58.15

10.79
-.23
10.56

0023 -0387

R.A. : 21.250
DEC. : 13.950
R.A. : 331.000
DEC. : -23.000
DISTANCE : 6.300
MODULUS : 182
VEL. : -46.400

: (U) 0.700
: (U) 0.396
: (U) -0.373
: (U) 41.356
: VU 25.762
: U

: (V) -0.014
: (V) 0.562
: (V) 0.027
: (V) -63.321
: VV -49.705
: V

: (W) -0.714
: (W) 0.574

```
  R.A. :    21.250
  DEC. :    13.950
. R.A. :    33.000
. DEC. :   -23.000
STANCE :     6.300
ODULUS :   182
. VEL. :   -46.400

q1 (U) :     0.700
q2 (U) :     0.596
q3 (U) :    -0.393
    dU :    41.356
     U :    25.762

 1 (V) :    -0.014
 2 (V) :     0.562
 3 (V) :     0.827
    dV :   -63.321
     V :   -49.905

 1 (W) :    -0.714
 2 (W) :     0.574
```

30Cap

202671 21 15.2 −18 12 5.4 B8 −11.1 a

24781

13374 +0012[35] +004[34] N30

+0013 ±2.0 · 000 ±2.1

−11.2 (3)

−13.1 (17)

-184 -85 4

202773 21 15.4 -28 54 68 IV +37.6 4C

FD1272

6.40 +0.96 (2.02)

GC24805

-0140±69 -057±5.6

57.286 18970 -0132 -095 34.09 18954

742 -0152 3.13

58.028 -0136-078 30.96

-180

28.423 57.480 50.70 1934.72

24.102 -5 16.60 33.27

53.523 475 70

522 - 34+4

+10 34.64

532 -5

-527 3471

7.1-9.0 −0006±7.3 −038±6.3 Ep.B.P=

+0020 −053

AOS14839 2¢ 16.2 +11 22 +6.28

202408 +0007 −045

24812 −0013 −061 Van Vleck

13346 0262 +018 −061 H

1

9.690 1893.0 +11 21 30.67 1889.4

034 2.30

,724 32.97

9.502 30.71 1934.3

13 15

815 30.86

43.0

9.800 30.16 1937.8 1937.8

808 102 721

30.51 36.0

+084 −2,46 46.4

−656 765 157 580 +018 −061 +6.2 −012 +1.2 −284

012 −008 014 −009 099 028 +6.1 +5 +4.6 −4.0 0262

+9 −3 −10

−7 −3 −12

02

+9.6 −2.6 −13

-0016 ±6.9 -034±5.4
-0009 -026

202926 21 16.2 +17 47 7.2 dF3 +9.06

29814

13387 12,240 1897.5 +17 46 3259 1894.9

-30 176

084 1.88

.324 7.34 +405 -0.07 39,47

038

-1276

413

1.5!

12.283 -0025 -030 (3) 38.48 1933.7

6 18

284 -0009 -027 38.66

38.7

12.283 37.89 1939.78

+4 +23

287 -0136 0.20 -0.47 9945 38.12 348

288 -011-030 36.2

-036 38.39 41.5

-1.08

-0004 -034

-0004 -010

-010-034

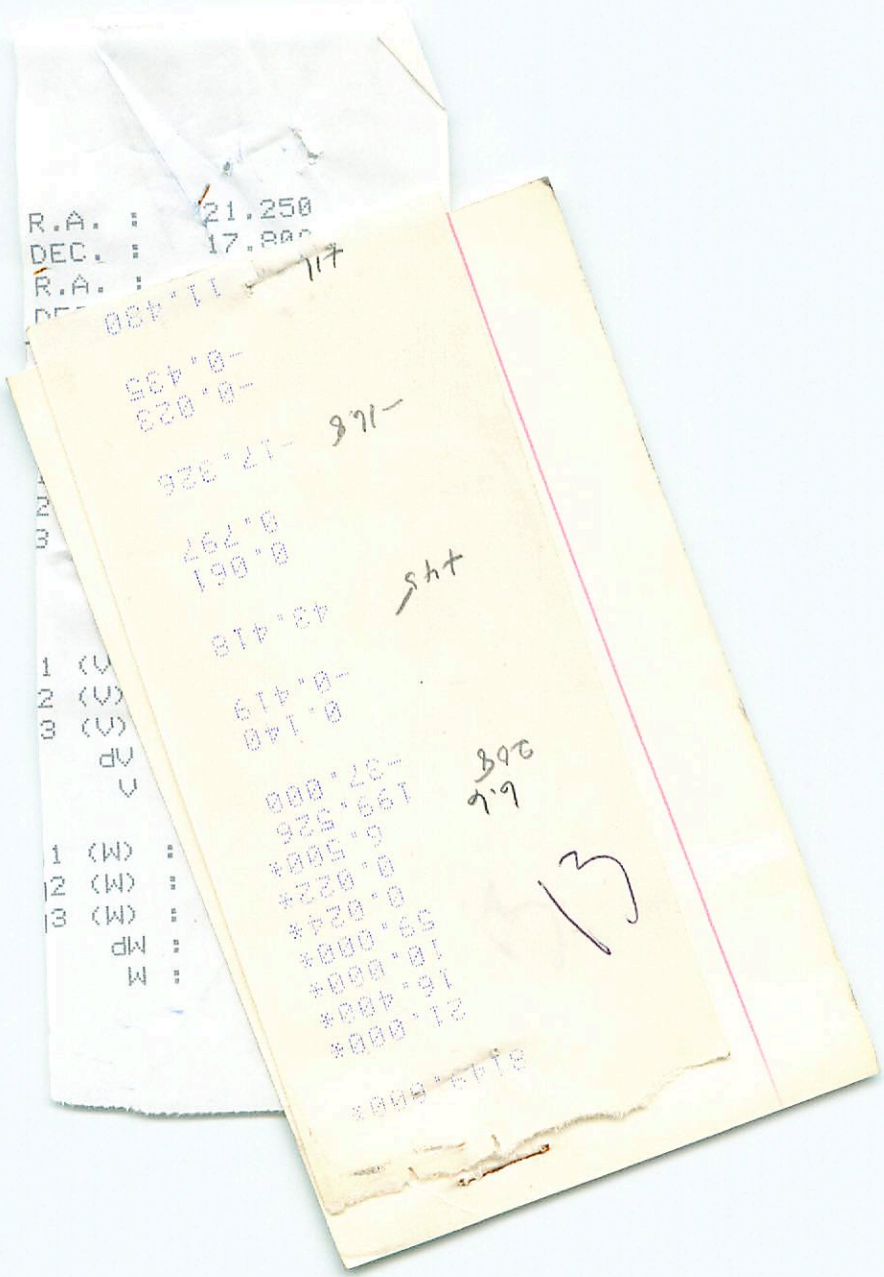
9394 5435 -1665 -9860 0314 -0058 +9.5 +9.0 0.0095 (5.0)

+6
+18

8149 +25 21 16.4 +10 59

20251 +0017 +018 G.L+ ±2.5 G.16 M

09281 +00195 +021
+0257
+031 +016 λ-M = 6.6
E = +03 +4.-



8149.000*

21.000*
16.400*
10.000*
59.000*
0.031*
0.018*
6.600*
208.930
-37.000

0.152
-0.419

47.337

0.049
0.797

13

-19.269

-0.057
-0.435

4.146

Y I Cap 0.24 21 16.8 -15 20

HD358431 0 11.25 -020 -015

ΔS=1 [illegible]

-026 -006 ±08 -8/8.0

P~~hase~~ 0.4 -015 -013

-0195 -14.5

15

[illegible]

11

Phase 0.4 2.745 0.222 0.090 1.130 21.25

0.5 2.732 0.240 0.100 1.060 -15.35

-202

-149

10

-90

11.20 0.190 0.115 1.180 2.764

700

10.26

10.2

10.02

~~5.8~~ +1.4

~~4.6~~ -1.0

+111.1 +0.8

10.02

-42.6

-11.00

+9.12

90.82

21.250
-15.350
-19.000
-13.000
10.000
1000
-88.000

0.700
0.327
-0.634
-80.991
-25.168

-0.014
0.895
0.446
-53.941
-93.230

-0.714
0.304
-0.631
43.249
98.784

R.A. :
DEC. :
PM. R.A. :
PM. DEC. :
DISTANCE :
MODULUS : 1000
RAD. VEL. :

q1 (U) 1p
q2 (U) 2p
q3 (U) 3p
dU :
U :

q1 (V) 1p
q2 (V) 2p
q3 (V) 3p
dV :
V :

q1 (W) 1p
q2 (W) 2p
q3 (W) 3p
dW :
W :

R.A.	:	21.250
DEC.	:	-15.350
PM. R.A.	:	-20.200
PM. DEC.	:	-14.900
DISTANCE	:	10.000
MODULUS	:	1000
RAD. VEL.	:	~~-90.000~~ -110.5
q1 (U)	:	0.700
q2 (U)	:	0.327
q3 (U)	:	-0.634
dU	:	-87.780
U	:	~~-30.688~~ -20.22
q1 (V)	:	-0.014
q2 (V)	:	0.895
q3 (V)	:	0.446
dV	:	-61.923
V	:	~~-102.106~~ -104.5
q1 (W)	:	-0.714
q2 (W)	:	0.304
q3 (W)	:	-0.631
dW	:	44.426
W	:	~~101.223~~

14

Tchml 21 16.9 -45 14 N

+23

+21.9 (3)

-001 +15 63
+3 +2
+002 +017

700 -029 -713
-014 998 -055
-714 -045 -696

+0066 -0023
— +0804
-0068 -0039

+0043 +13 -16 = 0
+0804 +19.7 0 = +20
-0107 -2.6 -16 -4

-0004 ± 106 -010 ± 8.7 SR 320

Tchad 21 16.9 -45 14 S. War N 42.30

202874
24831
13401

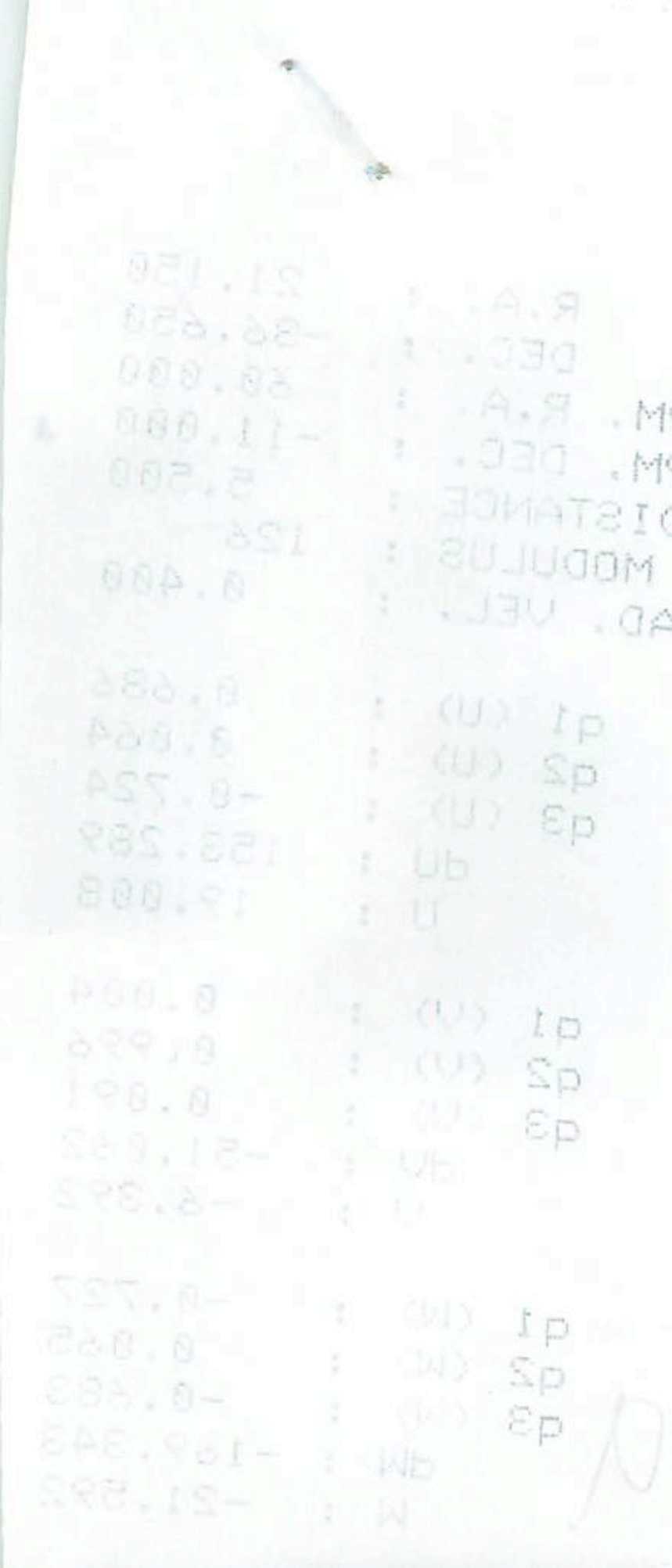
52.180 1900.7 -45 14 3.80 1847.9
020 +52
.200 3.28

13.250
39085
52.335
128
.207 172
28 -028
.182

21.15 1928.76
1708
4.07 294
117 +34
2.90
284

52.157
-26
.161

02.93 1956.14
-12
3.05



R.A. :	21.150
DEC. :	-36.650
PM. R.A. :	60.000
PM. DEC. :	-11.000
DISTANCE :	5.500
MODULUS :	126
RAD. VEL. :	0.400

q1 (U) :	0.686
q2 (U) :	0.064
q3 (U) :	-0.724
dU :	153.289
U :	19.008

q1 (V) :	0.004
q2 (V) :	0.996
q3 (V) :	0.091
dV :	-51.062
V :	-6.392

q1 (W) :	-0.727
q2 (W) :	0.065
q3 (W) :	-0.683
dW :	-169.343
W :	-21.592

202017 2d 10.5 +15 23 8.1 dF7-68.88

+140 4556

13337

+03

8.08 +0.52 +007

+035+5 +035±64

−5 +82

~~040~~ 073

030

0 +3

+030 +046

+6
+18

8149 +25 21 16.4 +10 59

+0517 +018 +3 Cut ±2.5

202551

+0195 +021 3

9925 1

+0257

+031 +016

E=+03

λ-M = 6.6

+45 −16.8 +11

+140 +61 −23

+029
+042
−3 7.0 6
λ -25.7

6.01 +1.69 +202 1Σ

4.54 +0.76 2Σ

4.98 +0.74

4.50

J.1

8|49.000*

21.000*
16.400*
10.000*
59.000*
0.024*
0.022*
6.500*
199.526
-37.000

6.6
208

0.140
-0.419

43.418

+45

0.061
0.797

-17.326

-16.8

023

```
                 0.000
                 0.000
                -0.014
                 0.505
(V)     :        0.863
P       :        0.000
V       :        0.000
1 (M)   :       -0.714
2 (M)   :        0.600
3 (M)   :       -0.382
MP      :        0.000
M       :        0.000
```

12

#11