669 -149 1.530 ~542 ~15.2

37109 5 26.7 +85 25 AOU

+0.30

1714 -005 161 1109 2880

-016.6 +017.9

$ 7000

F105 (E)

0210

+78.8 19.0 7545 ~7566 0017

+77.95 19.0/599 ~6563 6539

-216.4

669 000 +12.4

5.7.0

-12.2

44

R.A.	:	5.450
DEC.	:	85.650
PM. R.A.	:	0.000
PM. DEC.	:	0.000
DISTANCE	:	0.000
MODULUS	:	10
RAD. VEL.	:	0.000
q1 (U)	:	0.059
q2 (U)	:	-0.834
q3 (U)	:	0.548
dU	:	0.000
U	:	0.000
q1 (V)	:	-0.552
q2 (V)	:	0.430
q3 (V)	:	0.714
dV	:	0.000
V	:	0.000
q1 (W)	:	0.832
q2 (W)	:	0.345
q3 (W)	:	0.435
dW	:	0.000
W	:	0.000

4115 5 218 624 04 621

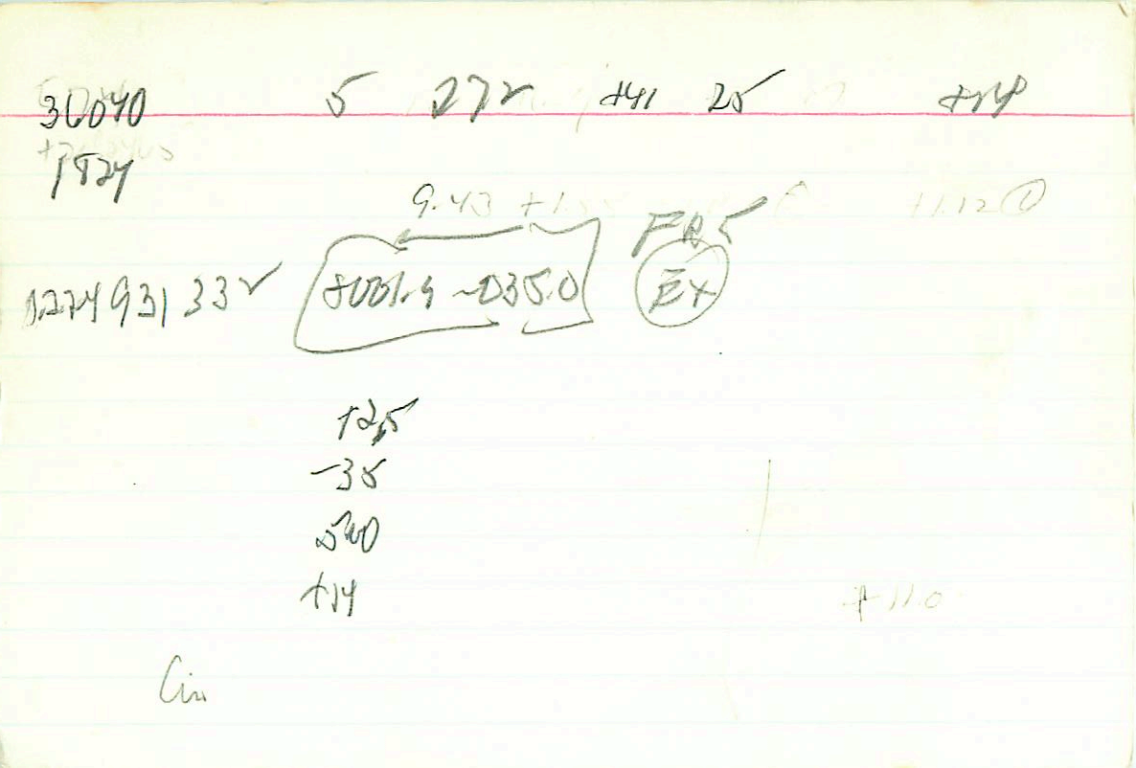
565
568

1048 047

045-086

047-088

3433 6854] 0963
9194 -3279] 0247



4886
2020
2784 2
9 77

36435 5 220 -60 27 +12.9

6.98 454 300 263 (11) (053) 45
462

-0.20 -0186 297

120 ↑562 -195
6 263 16 ~~116~~ 087
0 5.80

-294
-97
1.36

+12.9

```
R.A.  :     5.450
DEC.  :   -60.450
R.A.  :  -294.000
DEC.  :   -97.000
ANCE  :     1.360
ULUS  :    19
VEL.  :    12.900

 (U)  :     0.059
 (U)  :     0.998
 (U)  :     0.010
  dU  :  -499.466
   U  :    -9.213

 (V)  :    -0.552
 (V)  :     0.041
 (V)  :    -0.833
  dV  :   360.692
   V  :    -3.994

 (W)  :     0.832
 (W)  :    -0.044
 (W)  :    -0.554
  dW  :  -551.526
   W  :   -17.460
```

45

43

3100

+0003 ±2.1 → −022 ±1.9
+0001 −021

36167 5 27.2 −01 08 5.0 gmo +7.5a

3322

6792 11.553 1896.2 −1 7 48.08 1890.5

ADS

4097

11m 12"

−16
.537

55.354
16.158

11.512
12

524
8
532

540
+003

11.524
25
549

+1.31
46.77
0.83 1933.57
14.22
46.61
+31
46.38 47.70
48.10 1939.00
+30
47.80
46.29 1937.51
15
49.14

49.6

25?
36.3
45.8

47.75
−0.98

35963 5 27.8 +67 59 dF8 +31.5 6

6808

+67°390 3333

6.9

+016 -179 G

-011 -217 GA2

+002 -200

981 261

990 140 927 375 +002 -200 +31.5 -155 +29 -355

-002 183 0-026 114 567 +11.8 +25.2 +2 +12

+6 +41 +17

03

04

-0139 ± 5.4   -390 ± 3.9

36,202 A   -0166   -366

35961 M   5   27.4   +54   37   7.8   dG1   +26.48

3329 D   9.7 dR4 (+200)

yh

6802   22.795   1898.0   +54   37   20.16   1892.6

ADS 4094

723   22.39

23.518   42.55

22.777   23.67   1945.28

17   -22

.794   1758   23.45

+276   22.879   39.6

-724   -639   28.7

3   752

22.92   28.73   37.6

44   2.18

.964   26.09   45.0

1   -16.46

-0152 ±7.8 -385 ±7.3
-0126 -370

21.925 1901.6 +54 37 14.86 19008
734 18.94
22.661 33.80 13

22.26 23.0 1929.9
44
.304 23.03

18Lam

36066 5 28.3 +57 11 6.5 dF7 +36.76

3338

6814

+0146[27] -224 N30

+0153 ±1.5 -217 ±1.5

36066 5 28.3 +57 11 dF7

HR1825

GL6814

C_0 344

18 Lam

.376 .179 .415 ② SPC 2.601 ④ C+

[m_1] 247

[c_1] 342

2.50 +52.2 -25.3 +6.2

+524 -1069 -51

1 Sembley

+5 9° 88.6   5 28.6 +59 07   +32.7 ± 0.6

0.″26 169° L   G8 V G

(10.08 +0.71 +0.16)?

9.89 +0.75 +0.33

36519 -0016 ±10.0 -0015 5 +032 ±8.7 28.6 -43 37 +019 +51.9 ±0.5 C_Z [5]

666822 7.73 +1.49 - Cage

183 III

36.539 1901.5 7.78 +1.45 +1.58 (1) -43 37 0.63 1898.7
075 -1.64
.617 7.02 +0.575 (3) 2.27

664
586
51.255 -0014 +032 Sky 10.87 -007 +038 4
45.278 10.05
36.573 -0013 +0243 0.82 1926.86
11 -87
584 -0141 [-010 +024] (39.0) 1.64 8104
-12 -16
572 1.50 96 40.5
127 1.48 (47.8)
(9,898)
560 +0.79
-057 688 525
650
36.552 57 01.12 1954.68
-3 27 -4
549 1.16

36553 5

3344

6830 46.913

−86

11.7 26"

.827

86 0.6

46.870

−26

.844

39.5

123

861

+.034

46.895

−16

.879

44.92

+3

44.89

11 30 45.65

−5.69

46.5

43.1

46.53 195-4.04

−8

46.51

+24° 846 5 28.9 +24 57 +42 2W

+423 (1)
+332 (2)

+32.6±0.5 (1)
+30.3±0.8 (2)

+31.7

9048

+53
+07

138 prec

1900

-016 +033 -069

556 +2 -2

+035 -071

+41 +35 +444 | +0068 -0114 | -0046
-544 +484 -7 | -0902 -2744 | -3646
+836 +543 -53 | +1390 -1776 | -0386

-0.6 +31.7
-50.3
-5.3 -1.7

-69
+31.1
-50.3
-7.0

RT Ori 3110? #3 5 30.5 +7 07 N +5
+5.6 (2) +5 c w (2

+7 0929

may 8.15

-0040 ± 7.1 +010 ± 6.9 -060 ± 7 +016 ± 7 REW

31.597 1915.4 +7 7 10.42 1915.0 -068 +003 Palmer
138 -35 -064 +008
1.735 10.07

+010 -033 Tolmie

31.74 10.2 1944.6 -022 ± 5 000 ± 5 Reitz
32 -05
7.72 10.15

-034 +002 LB

992 128 563 527 −064 +008 +5 004 +3 033

063 −004 −008 0 298 −057 +4.1 +1 +4 002

+150 −24 +14

+1 +98 −117

+200 −34 +25 0015

−1 +123 −156

RT Ori 5 20.5 +7 07 +8.0

-034 +002 LB

428 525

048	323	926	-0077	+0035	-0042	+2.4	+4.6
-547	786	-289	+0882	+0074	+0956	+48.8	-1.4
836	453	-242	-1347	+0047	-1300	-69.4	-1.2

-450

-68.2

RT Ori 1972 -10.8

36249	200.9	-16.3	7.56	-13	-64	B5V +105 8.60
~~36012~~	~~201~~	~~-17.2~~	~~7.24~~	~~-10~~	~~-65~~	~~B3 +110 8.1~~
35910	199.8	-16.7	7.58	-10	-55	B6V +108 8.24
35656	196	-15.4	6.44			

+74 02 50 -0047 ± 4.9 -180 ± 5.6 -59.1 (5)

3613D 5 31.0 -3 +74 40 -192 7.5 deg -61.48

6883 -60.2

3379 15b 57.789 1904.3 +74 39 36.63 1905.9

215 2.94

10 km 58.004 C0400 44.57

7.76 377 311 382 4191

191 470 57.941 74.103 17/4 40.00 1930.2

304 70 47 -10

58.010 35.90 Calibr

-664 183

833-183

-0025 -010 -211 GP -175

-153

3.34

-40.2

R.A.	:	5.500
DEC.	:	74.650
R.A.	:	-125.000
DEC.	:	-183.000
STANCE	:	3.360
ODULUS	:	47
VEL.	:	-60.200

q1 (U)	:	0.048
q2 (U)	:	-0.715
q3 (U)	:	0.698
dU	:	612.631
U	:	-13.212

q1 (V)	:	-0.547
q2 (V)	:	0.566
q3 (V)	:	0.617
dV	:	-404.811
V	:	-56.157

q1 (W)	:	0.836
q2 (W)	:	0.411
q3 (W)	:	0.364
dW	:	-487.681
W	:	-44.851

407
943 08

37455 -28.2371 5 - 35.8 -28 43 dEY +39.4 (3)

+351 (4)

HR1533

GL7013 Sterling 5.31 +46 +10 C

-0027 +041 22

+16
+21

5124 ~~3+126 +451 2667~~ (2) 1,10,5,3,15

243 -8 012 16 95 5 00 2648
304 14 99

427 +88 2.25 0 0 +35

77 -00285 +0465 64+

2.90 +26.1 -18.3 -15.7 -4

37

+318 -0373 +36.0

336

+179 +187 -77 a

-035.5 +041 <0407 +275 -034 +046

-0029 ± 4.5 +050 ± 3

-0028 +043

37495 5 35.8 -28 43 5.3 d

3477

7013 47.449 1909.6 -28 43 6.17

117 -2.36

.566 8.53

48.866 41.38

38.615 54.95 1934.94

47.481 6.43

6 -1.07

27.1

489 484 7.50 73 4

20 .077 36.7

509 +26 34.9

47.467 7.24

58.632 7.09 1939.4

469 26

6.83 +1.50

7.03

+14 -36 +4.9

W338 5 31.2 -38 33 5.4 R5 -0.66

+0028

+033 ~~002~~ 000

+2

474
33
22
14 2
142 2
1564

650
131

048	922	383	+00.75	0	+0.9	-0.2	+0.8
-547	344	-742	-0860	0	-10.8	+0.4	-9.4
836	173	-521	+1310	0	+16.4	+03	+150

1874 4R 5 31.5 -1 30 5.92 +1.55 +1.87 Cuyo

+91.4 (4) Griffin

-12 -32 Gc

-1 0

49

1874.000*

5.000*
31.500*
-1.000*
-30.000*
-0.012*
-0.032*
7.000*
251.189
91.400

-0.079
0.861

58.844

-0.000
-0.405

-57.218

-0.116
-0.306

-57.213

PN

1863.000+

5.000+
30.500+
-17.000+
-52.000+
-0.002+
0.001+
7.000+
251.184
24.700

0.003
0.684

17.64+

0.000
-0.595

W9

HR1872

H036777 5 31.6 +03 44 A2 -14 -8 C

W3386 5.36 +0.05 +0.07 -031 -018 BC

38Qi A2 -037 -010 N

-034 -014

952 124 065 558 -034-014-9-001-4-066

034 001-004 0 161-014-9-1-9 01

+15 -10 -5

-12 +5 -15

008

+19 -11 -9

+26 0 854

+0007 ±5.4 -100 ±4.2
+0010 -106 FL IV

36724 5 31.8 +26 56 8.0 2g FL -196 36

6897 -314 (?)

3388

50.918 1902.1 +26 54 28.98 1898.9

-034 5.11

.884 34.09

26.9

50.886 31.07 1928.05

23 -5

.909 31.02

911

27 30.8 1930.0

50.88 +0 -2

34 30.78

.914 58

290

30.90

319 30.1

34395

6830

1866 5 32½ 3H +54 24 23 +0.56

-6006-014 5 hr

-005-014

-86
-14
705

+0.4

5704 -9852
8214 1530

R.A.	:	5.550
DEC.	:	54.400
1. R.A.	:	-8.600
1. DEC.	:	-14.000
ISTANCE	:	7.050
10DULUS	:	257
). VEL.	:	0.900
q1 (U)	:	0.036
q2 (U)	:	-0.430
q3 (U)	:	0.902
dU	:	27.656
U	:	7.921
q1 (V)	:	-0.542
q2 (V)	:	0.750
q3 (V)	:	0.379
dV	:	-36.902
V	:	-9.144
q1 (W)	:	0.839
q2 (W)	:	0.503
q3 (W)	:	0.206
dW	:	-53.293
W	:	-13.513

50

+29⁰936 5 32.1 +29 14 +474 (1)
+466 (2)
+472 3w

+43.6 50.41 G

+458 (2)

10.38
+725
+375

+030 −074
+7 −4
+037 −078

Y

95.5

+59	−10	+448	+0103	+0036	+0139	+1.3	+44.9	+46.2
−552	+833	+41	−0968	−3000	−3968	−37.9	+1.8	−36.1
+832	+554	−44	+1459	−1996	−0537	−19.1	−2.0	−21.1

45 Ori

+0005 ±3.0 +012 ±2.5
+0007 +008

37077 5 33.2 -04 53 5.3 gF0 -8.5

3441
6945

11.448 1901.9 -4 53 13.55 1900.4

HD54196

-24
424

-60
14.15

15m 19"

57.444
13.575
11.439
10
449
9
458

14.12 1933.86
+1.15
12.97
12.34
-1.31
3
14.31
14.00

74.65
37.3
36.9

35.4

+449
+025

11.417
23
.440

14.03 1940.77
+33
13.70

13.85
+0.30

Bid?

37192 5 33.4 -33 07 (K1 II) +44.0 46

FD864

G66456 $\begin{cases} M_v & u\,v\,w \\ -2.24 & +202 +29 +60 \\ 0.0 & +88 +25 +55 \end{cases}$ 5.76 +1.12 (2.20)

+0.011 ±4.5 +0.109 ±4.2

24.864 1905.6+0023 +0.108 45.28 1904.0

~~049~~ +0018 +0.108 5.01

.875 50.29

24.901 46.44 1939.74

-4 +23

845 46.43

+080 +3.86

$20,000 — Small Cartagena Scene

Conde 4 [illegible] $15,000 —

$20,000 — Grating 12 X 14

$15, + 15
$10 Conde [illegible] (plus

$5 accessory equipment which
is [illegible] [illegible] 5.

Rvlul 3 338 -30 51

G004 -018 4r4

0116

015-016

3.55
-30.85
17.5
-14

12

0

1872 1SUpm 32+70 014

II Gal (237.3, -27.2)

5.550
-30.850
17.500
-16.000
12.000 1235
2512
0.000

0.036
0.864
0.503
-62.928
-150.068 -186

-0.542
0.440
-0.716
-71.955
-180.743 -192

0.839 51
0.247
-0.484
41.058
103.132 +121

37583 5 35.3 −55 27 F8V +8.9 25b.

S=+04

9.56 +0.49 −0.02

~~−0.060 +0.040 CP~~

+0.003 −0.168 BPM

26 Aur 5 35.4 +30 28 0.7 (4)

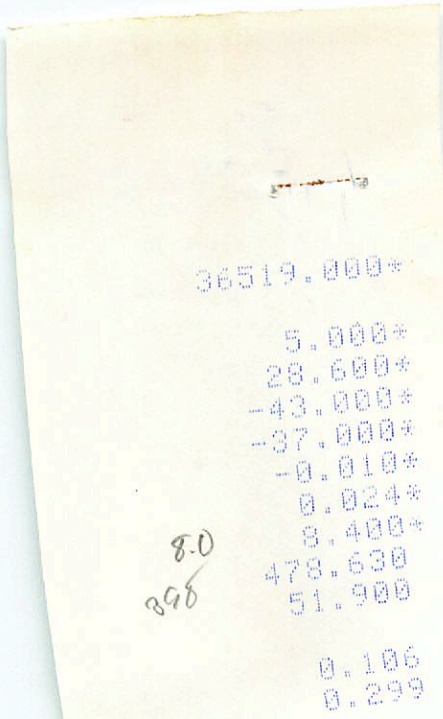
+1.7 f

~~015 010~~

-0012 -009 Van hecke
-0015 -008 → N30

140 pc.

+028 -027 +999	-0025 +0010	-0015	-0.2 +1.7	0	+1.5
-539 +842 +031	+0486 -0319	+0167	+2.3	0	+2.3
+842 +540 -008	+0759 -0205	-0964	-13.5		-13.5


36519.000*
5.000*
28.600*
-43.000*
-37.000*
-0.010*
0.024*
8.400*
478.630
51.900
8.0
398
0.106
0.299

+0020 ±3.3 −143 ±2.6
+0009 −132

36553 5 28.8 −47 07 5.5 G5 +16.46

3344

6830 46.913 1907.0 −47 6 46.62 1603.4
−86 +6.66
1827 39.96

1.7 26"

B6 0.6 46.870 39.5 44.92 1938.96 53.00
−26 +3
844 44.89 46.5

123 11.30 45.65 43.1
861 −5.69
+.034

46.895 46.53 1954.04
−16 −5
879 46.51