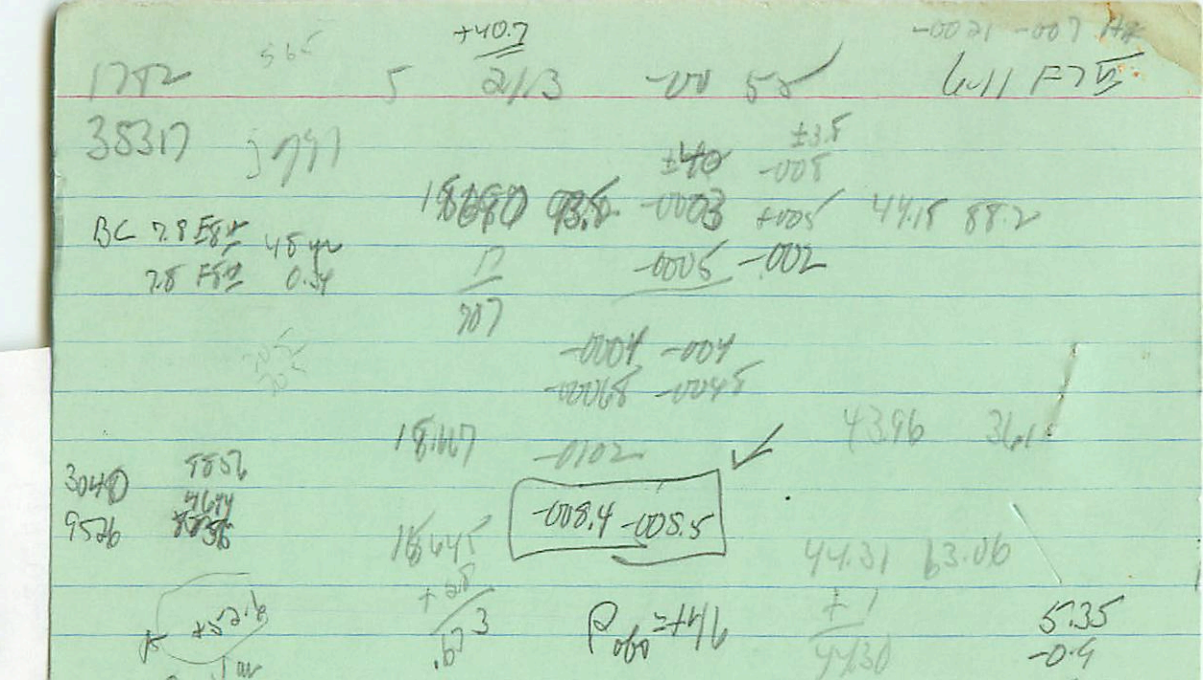


5.350
-0.300
-8.000
-5.000
3.950
62
52.600

0.882
0.497
0.864
-14.884
44.518

-0.562
0.739
-0.372
3.793
-19.336

0.823
0.455
-0.340
-41.993

35850 5 24.7 -11 56 6.4 dF=7 +18.56

3284
6726

+0008 32 -048 N30
+0007 ±2.5 -049 ±2.5 GC → N30

37226 5 32.8 -54 56 F8 E +378 4C

6.42 +0.55 (1.64)

+0.0064 +0.013 N30
+0.0067 +0.010 GC →
+0.0065 +0.012 N20+
+.0059
+0.013
+056±012 1.M

37226 288 252

HR1512 5 32.7 -54 56 F8 V

6.42 +55 (401) C

397 2.603

6.40 .336 .172 .397 2.603 ② Sgs—

340

233 +11

330 +22

+33

2.02 +5.7 -34.8 -14.9 +055 +1375

+66 -134 +220 +612

32820.000*

8.000*
2.300*
-41.000*
-49.000*
0.014*
0.154*
1.500*
19.953 24.5
28.700

0.579
0.212

17.641 +23.1

0.081
-0.972

-26.278 -25

0.442
-0.099

5.986 +10.2

1480 5 423 -20 08 +034 +037 +046 ±4

+087 2 1/2 +037 3 Cow's +383

19.180 223 10.7

-0011 36.7 -0018 -0011 -003

49.70 -176 5146 11.7

5.7 -20.7 -20 +38 1.7 +380

19.143 +6 149

40.04

50.89 +42 50.42

-018 +038

-0018 +040

19.126 +24 19.150 19.13 15

19.69 -021

-0016 +038

49.32 +2 49.34

49.27 +9 49.1

```
                                    5.7400
                -20.1000
                -20.0000
                 0.0000
                 1.7000
                      22
                30.3000


                 0.0002
                 0.7575
                 0.0550
                 0.0220
                 0.0900


                      -1
                 0.5527
                 0.5581
                 0.3244
                 0.3261


                 0.8550
                 0.3448
                 0.6811
                 0.5600
-15.5600
-14.6811
-13.3448
-13.8550
```

42683 1.47 4 6 08.1 -49 33 F8 V +10.5 33.5

HR2204

GC7865

6.48 +52 (-2)

-0025 +072 Gc+

-0021 +0750 ±60

-0203 -016 +075

→ .332 .151 .453 2.589 (2) 1,3,3,4 +54.9

.323 .171 .4130 5.54

[m] 211 +3

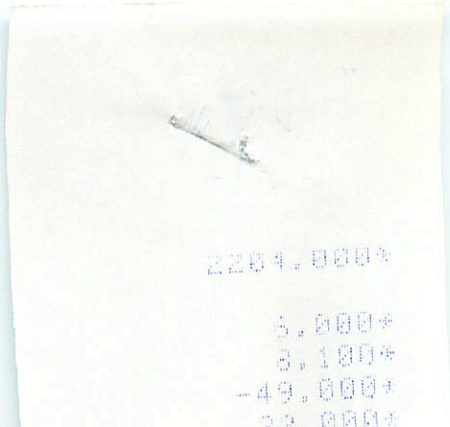
[K] 887 +85

2.65

1.50 +212 -75.5 -28.1 -027

+852 +110 -42 -082 ±5.9

(3.7)


2204.000*
6.000*
3.100*
-49.000*

876 6 08.1 -44 33 +59.9 (4) C5

42683

+035

GC7865

6.48 +.52 (1.62) FTI

455 565

1.93

-0034 +40 +078 +8.3

8.012 1901.0 -0034 +079 1.45 18580

167 -4.06

179 15.51

30.417 -0034 +079

37.455 +4 +3

8.075 -0028 +082

007 -.027

082 +091

6

084

56.23 15273S

-16.40

13.33

+13

13.16 +2.33

2225 6 11.7 −23 50 +220

43162

−360 530 +236 57=

360 397 −1032 +114 Carrying

62 2165
62 2165

06457

354297 −044 +114

01

−46
+114
0.45
+226

1.041 647 +004 20%

2186 −4437 1217
9768 8962 −1110

55

R.A. :	6.200
DEC. :	-23.850
M. R.A. :	-48.000
M. DEC. :	114.000
DISTANCE :	0.950
MODULUS :	15
AD. VEL. :	22.600

q1 (U) :	-0.113
q2 (U) :	0.793
q3 (U) :	0.598
dU :	452.063
U :	20.526

q1 (V) :	-0.468
q2 (V) :	0.489
q3 (V) :	-0.736
dV :	361.582
V :	-11.033

q1 (W) :	0.876
q2 (W) :	0.363
q3 (W) :	-0.317
dW :	13.912
W :	-6.940

55

578 (2274) 6 15.6 −59 11 −2.7 (4) C_5

44120 −1.57 +03 −3.1 Sta 5

BC8084 4.42 +59 (1.64) R.I.V. →

Y 1471 4.85 6.15

37 (17) −0078 ± 53 −330 ± 4.4

−0028 −333

37.032 1900.9 23.34 1899.1

383 16.50

.415 −0053 −332

+ 8 + 3

−0045 −329 6.12.54 1928.07

16.358 −33.38

20.450 15.92

37.348 −00 −40

.002 −035 3.38

350 14.54

−11

339 −0041 −324 Sp Sq

−076 −0052 −332 R+T

−0047 −328

−0042 −326

−030 2.4

−032 −038 −324 9.6 5

Ohio Dam Up

14.04

−0.04

−0.95

(6) (4)

14.35 −0.04

45" 228°

Slimline Sump { HD 44105 −3.1
44120 −3.1

Large Sump opt

			S	
6.42	+0.59	(1.64)		
6.47	+0.58	+0.08		+03
6.64	+0.66	+0.20	5 BS	0.00

41"

WO ~~36"~~ from ~~A~~

B = HD 44105 opt out

A HD 44129

11.6 +0.85 10.4 340 850 1190

11.6 6.68 12.28

44120 G 15.6 -55 11 00

HR2274 370 170 428

GL8084 6.44 +0.56 +0.13 55 gg

LOS 157 6.47 + 55 + 08 Cyc

Lud Gp. 6.46 +55 +10 ⑧

Δ .387 .174 .460 2.5

368 358

373 384 4

261 D

387 Lyr 381 176 408

Lyr 378 174 408

.304 .110 .432

opt mit

FO 348

B45

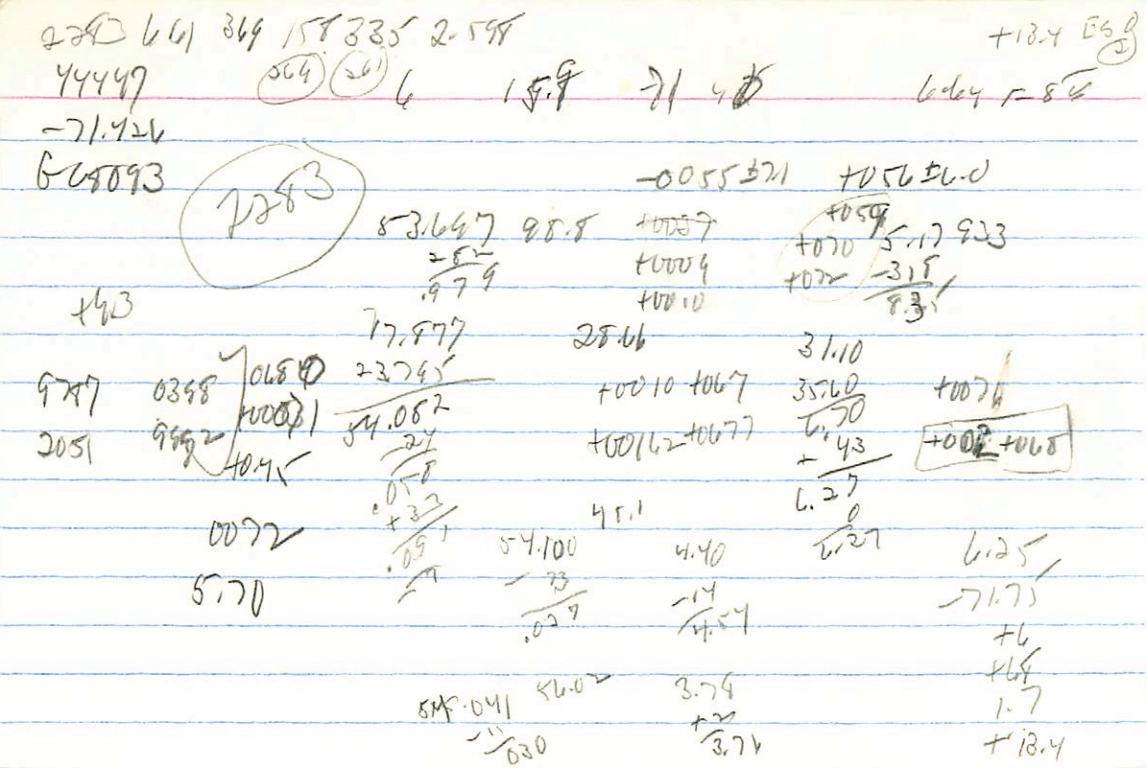
1.55 -312 +5.0 -5.7

-1525 +128 -341

44120.000*

6.000*
15.600*
-59.000*
-11.000*
-0.020*
-0.326*
2.400*
30.200*
-3.000

2.15
2202



6.250
-31.750
6.000
60.300
1.700
22
13.400

-0.124
0.974
-0.108
312.949
4.329

-0.462
-0.224
-0.858
-76.380
-13.160

ADS5012 FIRE 115 183 95 95 284

8 mon ~~0015 +001~~ 21.6 +0.1 37 +16.0 a

1+R2298 -0020 +0108 4.5 +0.9

-018 +011 14" C.5 ASIC

-0013 +011 N30 -018 +011 N30

-0013 ±.15 +008 ±.13 -018 +008 Gc

-018 +010 A13

-018 +008

44769 78

4062 +11

8240 +160

Dm=2.13

-00142 +00037 +10

-00143 +00047

4.5 Alm +15.8 b

6.5 dF4 +16.3 b

16.0 a

-0214

-020 +005

-20 +5

2.7K

+102

000 44

0 946-050 0 018-001 202

R.A. :	6.350
DEC. :	4.600
PM. R.A. :	-18.000
PM. DEC. :	11.000
DISTANCE :	3.420
MODULUS :	48
RAD. VEL. :	16.000
q1 (U) :	-0.147
q2 (U) :	0.413
q3 (U) :	0.899
dU :	33.987
U :	16.025
q1 (V) :	-0.449
q2 (V) :	0.782
q3 (V) :	-0.432
dV :	78.986
V :	-3.100
q1 (W) :	0.881

58

58

HD 47230 6 34.1 −36 03

2481

$-.0056$ -091

$\rho = +27.6$?

26.5 $\rho = 2.0 \times 10^{-5}$ 6.34 +0.44 0.02 ?

0.337 38.3×10^{-3} 256

70

$\frac{5.5 \times 10^{-5}}{5.5 \times 10^{-6}}$

	$z-y$	m_1	c_1	β
19.0	317	162	374	2.419 (3)
	67	057	−63	
		219	311	
		258	212	
Hyades				
	$\Delta =$	+039	+029	

706

$m_V = 4.15$ $\pi = 026$

294

59

6.600
-36.050
-84.000
-91.000
3.000
40
27.600

-0.203
0.892
0.404
-319.533
-1.573

-0.416
0.295
-0.860
6.790
-23.469

0.886
0.342
-0.312
-433.053
-25.938

59

675 $06^h 34^m.1$ $-36^\circ 03'$

HD 47230 +6.34 +0.49 +1.59 G0 V

−.064 −.098 ρ = +.28

50 pts.

			.0594	.2371	−.2488
			−.4148	−.1380	−.1570
−.196	+.893	+.405	−.3554	.1991	−.4258
−.421	+.297	−.857	−17.7	17.0	−21
+.886	+.338	−.317	+11.3	−24.0	−8.9
			−6.4	−17.0	−30

RO548 -058 -070 -072

47230 6 34.1 -36 03 G0 IV +276 C4

FO675
GL861

7.1 } 0.2
7.5 }

6.34 +0.49 (1.59)

-0061 -082
-0053 ±8.7 -058 ±8.0

P=265°

8.620 1899.2 ~~-0020~~ ~~-065~~ 42.46 1896.2
264 +0050 -098 5.22
8.884 -.067 24
87.

15.405
52.787
8.781
20
807
-082
8.64
023
.665
-224

- 3.26
1936.1
40.40
-10
40.50

27.24 1930.15
-12.47
3971
-2.20
39.75
+31
39.44

34.164	315	0.128	2φ
51.205	355	0.146	3φ
52.201	355	0.154	3φ
53.200	347	0.289	3φ
54.184	350	0.278	1φ
55.237	342	0.258	6φ
59.244	335	0.228	2φ

04
1 1 C

1374

978 -210 -726 687 -030 +386 +20.0 ~~-025~~ ~~-280~~ -14 1.2,5 -6

029 ~~+227~~ ~~274~~ ~~+051~~ 006 ~~-006~~ ~~059~~ ~~-142~~ ~~+166~~ -142 ~~1.682~~ ~~256~~ 1.227 +13.7 -3 +13 08

-5 +32 +4

[+30 -13 +1]

061

5.14 287 150 512 2.664 -7 ~~+46~~ +17

[+77 +10 +7]

064

(234) (458)

283 243 477 3.45

+12
31

50223 L 48.5 +46 33 F.5 +

ARD548
BC8560

5.13 +45 -05
299 149 456 2636
~~.299 .151 .461 2.624~~ (3) 11, 11, 3, 2
308

[m] 205 +22

[L] 401 44/66

1.50 +44.3 -13.5 +21
+1658 +199 +574

+20.0 G
24 +25 Cty GL
-0040 +849.0 +3.0
-0016 +3715
-0012
+003 +372

+3.2
299 149 456 2636
349 131

2543.000*

5.000*

500*

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

(U) :
(U) :
(U) :
Ub :
U :

(V) :
(V) :
(V) :
Ub :
U :

(W) :
(W) :
(W) :
Wb :
W :

R.A.	:	6.800
DEC.	:	-46.600
PM. R.A.	:	0.000
PM. DEC.	:	372.000
DISTANCE	:	2.000
MODULUS	:	25
RAD. VEL.	:	20.000
q1 (U)	:	-0.247
q2 (U)	:	0.942
q3 (U)	:	0.226
dU	:	1661.685
U	:	46.253
q1 (V)	:	-0.388
q2 (V)	:	0.117
q3 (V)	:	-0.914
dV	:	206.497
V	:	-13.094
q1 (W)	:	0.888
q2 (W)	:	0.313
q3 (W)	:	-0.337

J1825 L 55.5 -35 26 F8 IV

AR2612

GL4144

6.23 +0.45 -0.03 2Sgg

305 145 410 2.656

~~309 146 418~~ 415 434 2.659 (2) 4,4,10,5

320

[m] 202 +28

[4] 356 +119/47 +35

40μ +9.0 -4.6 -9.1

+124 +105 -174

S 0039 = .048"

+.015 +10.1

52711 Card II

+0123 ± 2.2
+0136

−828 ± 1.9
−833

19.876 1505.5 +29 25 22.34 1403.0

−547
.329

3852
61.26

44.561
35.075
19.639
−23
−614
39
65²

13.6

233

28.8

48.05
−7.05
41.00
+.67
39.33
+19
39.52

1426.57

47.81
−.705
40.74
−.167
39.26
39.35

1528.81

29.2
26.2

39.43
−21.83
1928.04

645
7.316

44.554
35.078
19.637
−23
16.129
641

59.614
−27
.643

4055012 FIR5 115 183 957 974 284

8 mm ~~-0015 +001~~ 21.0 +04 37 +16.0 a

1tR2298 -0020 +0108 4.5 +0.9

-018 +011 14" 6.5

-0013 +011 N30 A5IC -018 +008 Gc

-0013 ±.15 +008 ±.13 -018 +011 N30

-018 +010 A13

-018 +010

44769 78 +11 37 +160

4062

8240

Om=2.13

-00142 +0037 +10

-00143 +0047

4.5 A4m +15.8 b

6.5 AF4 +16.3 b

16.0 a

-0214

-020 +005

-20 +5

2.75

+102

000 44

944-052 080 567 -018 +0.0 +16.0 00 1 +1.3 047

018-001 002 0 045 005 +16.0 -1.5 +15.9

+2.7 +16.1 +3.6 02

03

58