

TTANA

5.24 +20 1.58

475

159492 17 34.0 -54 28 5.3 43 -4.2

23862

10167

86305

-2.3 ± 0.7 (S/W)

-0038¹² -146¹² N30

-0033 ± 5.0 -145 ± 3.4 GC → N30

-3.2

~~6574~~

-0054-142

941
944

+1.61

6574

-047-142

100 208 884 2858

5.24 -005 1235

10000 -0916
-0070 -9958

-49.68 -145.4
23.71 0.75 -3.2

-451 2535
-334 2525
-337 2516
289

R.A.	:	17.600
DEC.	:	-54.450
R.A.	:	-62.000
DEC.	:	-148.000
TANCE	:	3.480
DULUS	:	50
VEL.	:	-3.200
11 (U)	:	-0.025
12 (U)	:	-0.431
13 (U)	:	-0.902
DU	:	306.388
U	:	18.102
11 (V)	:	0.537
12 (V)	:	0.755
13 (V)	:	-0.375
DU	:	-621.703
V	:	-29.672
11 (M)	:	-0.843
12 (M)	:	0.494
13 (M)	:	-0.213
PM	:	-202.330
M	:	-9.367

1815-11

20 Sep 2003 07:17 35.0 -39 00 B24

160578

2.42-22-90 L

23554

73 73 2.462
+053 2.114

46670

114

110
203

19

10057-0266

F125

114

991 1270
-1273 -9964

LU = 2.30

14

114

114

114

114

114

24

93

9426 - 94733

0250 - 10846

94733

94733

94733

94733

22908 - 94733

94733

94733

94733

94733

94733

94733

94733

-3.15
5.45

-028±14
 2282 0.4
 1.538 48
 50
 888
 1004
 1013

$\frac{1.84}{21.43}$
 234 -0.1
 $\frac{14}{87}$ -0.30
 2018
 1.563 0

22.4
 $\frac{17}{12}$
 3842
 1.584
 $\frac{19}{145}$

6580.000*

17.000*
 39.000*
 -39.000*
 0.000*
 -0.000*
 -0.028*
 5.450*
 123.027
 -10.000
 0.024
 -0.984
 12.764
 -0.131
 -0.155
 -14.523
 -0.038
 -0.082
 -3.812

16
6629

17 45.4 + 2 44 AOT

1107

836

161868

24162

87106

195117 80

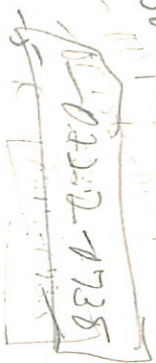
2345
2444

3 25 + 03 + 04 C

026 165 1054

024 170 1060 2.850 JASR

25



170

349

10 349

1388

1437

040 = a -

024 = 2

174

1775
1275

0949

0914

5882
9454
9454

6555

7552 - 5460

0351 135

7147 - 1155

6629.000*

17.000*

45.488*

2.000*

44.000*

-0.024*

-0.074*

2.7 2.750*

30.2 35.481

-5.000

-0.185

-0.051

-1.7 -2.330

-0.313

0.453

-12 -13.374

-0.060

0.265

-3.455

9801 0153 10979
1984 -9444
15 03.2
1801
-0004453
0
-103446
-103
A5E
1.622 C. (18)

24649

774450
96720

-43.7

4.92 + 23

9449
2579 116

1028
9447

Δm=00

496349

12.803

1893.0

-43

25 46.56

1889.50

924449

10044 - 1504

0.115

23
826

-0002-903
+0001-1007

40.33

49.72 1530.46

+ 3.06

7136
3517
4012

0168 24.403
388 48.443

829

-000.5-100.5

9449 104.7
2204932 12.848

853

-149
63

42.7

41.66

44.64

1.98

45.11
4178

1003 1040

12.846
27

543 -1742
-8035 -9447

059
017
+446

6173

45.62
45.68

1,800 No. 1
5 C 1
I have given you the money
I have given you the money
I have given you the money

Permit to bridge
Permit to bridge
Permit to bridge
Permit to bridge

P = 191.23
G = 1.062

35
1.16

6749/50

18 03.2 -43 26 A5E

165189/0

5m=0 494 1225 (108.5) C

24649

4.41028 1.143

349

(2)

(110)

47823

1174

4.42

133

180

843

2822

1135

124196 827 2805

172

(220)

(816)

Band 81

0
110
3.59
10
CWL 708

443

125

202

822

2831

(4)

f-196

203.60R

1698

248

984

4182

Doc-118

9803 0153
9996 9999

1698
8677

248

984

4182

350

R.A. : 18.050
DEC. : -43.400
PM. R.A. : -4.000
PM. DEC. : -98.000
DISTANCE : 3.400
MODULUS : 48
RAD. VEL. : -6.000

q1 (U) : 0.078
q2 (U) : -0.248
q3 (U) : -0.966
dU : 113.973
U : 11.249

171

q1 (V) : 0.487
q2 (V) : 0.855
q3 (V) : -0.180
dV : -403.791
V : -18.248

-393

q1 (W) : -0.870
q2 (W) : 0.456
q3 (W) : -0.188
dW : -199.831
W : -8.439

-18.98

6843

18 146

54 46

-137

167883

627

175 $\frac{1123}{1010}$ 1199

69623

256

143

1661

2818

+0.38

Φ 1157 2557

1109-056

8

-56

167 9156 0.61

36

5143

-137

R.A. : 18.250
DEC. : -9.750
. R.A. : 8.000
. DEC. : -56.000
STANCE : 5.430
ODULUS : 122
. VEL. : -13.700

q1 (U) : 0.124
q2 (U) : 0.330
q3 (U) : -0.936
dU : -82.914
U : 2.714

q1 (V) : 0.462
q2 (V) : 0.815
q3 (V) : 0.349
dV : -199.164
V : -29.053

q1 (W) : -0.878
q2 (W) : 0.476
q3 (W) : 0.051
dW : -159.106
W : -20.099

167983

18 14.6 -9 47

18 III

HPL843

6.80 738 724

GC24952

-13.7

~~Notes~~

FILE
25.143 1061 1010

2.818

10084 1557

1010
588
122

7412 1154

78.5
1557

~~6713 9938~~

1.34
17.8

~~7685~~

0816

05762-6466

~~7087 9917~~

0038 0110

R.A. : 18.250
DEC. : -9.800
PM. R.A. : 8.500
PM. DEC. : -55.700
DISTANCE : 4.340
MODULUS : 74
RAD. VEL. : -17.800

^{18.7}
q1 (U) : 0.124
q2 (U) : 0.329
q3 (U) : -0.936
dU : -81.941
U : ~~10.617~~)

q1 (V) : 0.462
q2 (V) : 0.816
q3 (V) : 0.348
dV : -197.008
V : ~~-20.729~~)

q1 (W) : -0.878
q2 (W) : 0.476
q3 (W) : 0.051
dW : -160.486
W : ~~-12.750~~

12.80

46

114

168947

18 20.8

-44 14

1116525 = 168905

111688

Sum 2nd

-1 -25 (0) 7

~~1004~~ 2016 PPM

2 -220

-2429 20.3
-2013 21.2

1
111688

APV'S HULLS 1994

P 20059d 2

BR 2003mg

5834 0804 } 0 50 0257

1912 = 9968 } 6033 0520

18.330
-44.250
-1.000
-25.000
7.000
251.15
0.000

6.9
239.84

0.142
-0.256
-0.956
29.894
7.509

0.452
0.876
-0.168
-105.351
-26.463

-0.881
0.408
-0.240
~~11.401~~
-11.404

HR2631
 +0189245
 W12333

+0104 -288 Sunday
 19 57.1 -33 50 FS -6 2 SG

GC27643
 5.66 70.46
 FS -11.450.8 514

94970
 36 11.0
 50 CFI
 5.65 +44 1.59
 +131 -305 62

50 CFI
 130.79 286.00
 7.131 1506.9
 +130 -300 15

130.79 286.00
 7.131 1506.9
 15.24 1408.7
 15.68



19.95
 -33.58
 431
 +0101 -291 Strip

9628 4188 } 31403195
 -2700 -9088 } 926-110
 1.25
 241
 244
 247
 248
 249
 250
 251
 252
 253
 254
 255

+128-241
 1.15
 +182
 +01035 -2887

873 489 -556 831 +130-300 -6 167 +3.3 -1.180⁻³
113 146 064 082 147 995¹ -5.0 -2.5 +4.5 0.5

+0.4 +24.4 -20.3

+13.0 -25.9 -13.5

149245 19 57.1 -33 50 E8P

HR2631

C-227693

566 +49 +4 1295

565 308 147 371 2041 CD

~~984 304 142 339 2626~~

200

[m] 221 +19 1329 .142 .339 2.626 (2) 1,13,7
[c] 223 -12 335

25P

S
+1.132
+1010 = +1.132
SD?

478 -016 -878 +2591 +0190 +3181 +13.0 +7.6
215 971 OFK +1345 -1.3163 -1.1618 30.7 -0.8
-851 236 -468 -5324 -3144 -4523 17.2 +11

-286 -8.7

144
-9.790
-842.451
-0.472
0.238
-0.849

302
-22.790
-1212.608
0.112
0.971
0.210

1168
14.954
299.957
-0.875
-0.004
0.485

184
0414
2384

-11.000
18
1.250
-291.000
134.000
-38.850
19.950

2

SR Cap

7750 20 10.6 +77 34 B4 71

152507

#3 SD

8.5" 8"

28066

+0.260

4.39 -05 -09 35 E=0

20.2

Passes 18 +0.243

11.11 23.74
5.49 0.44

1.270 2814

+535

11.11 23.74
5.49 0.44

-0.23 130 1.034 2.825

+07

FRS

-22.96 1285

+45

+60

M_v = +0.1
V₀ 4.4
-0.35

11.11

Plank

7034 6254 0261 0251
~7108 7803 0284 0061

-207

	7750.000*		20.200
			77.600
	20.000*		53.500
	10.600*		27.000
	77.000*		4.300
	34.000*	9332	72.44
	0.014*		-22.700
	0.024*		
	5.600*		0.532
724	131.826		0.783
	-22.700		0.323
			129.163
	0.124	+5	2.027
	0.322		
+2	9.102		0.168
			-0.471
	-0.042		0.866
	0.866		-51.143
		-24	-23.362
-23	-25.196		-0.830
			0.406
	-0.010		0.382
	0.383		6.753
-9	-9.951	-5	-0.180

8107

21 08.5

+47 29

06.14

201736

6.46 80 -36 +15 45

(-8.5)

039 077 601 2.693

(098)

094 593

148

761

6.05

-1.6

7.66

-6002 +004

002
+001 +005

8107.000*

21.000*

8.800*

47.000*

29.000*

0.001*

0.005*

7.600*

331.131

-8.800

0.020

-0.011

6.885

0.000

1.000

-8.705

0.013

-0.005

4.280

4.99 345 ~~157350~~

16.2 F

~~16.2 F~~
-01505122 -092210.6

206860 6314

2142.1

+0143
+1440533

~~16.2 F~~
-117
6.716 d/c 0 -18.98

30443

157350

425 604

4.232 -102

+244 -112

1898.2

13661

217

6.703

1900.6

414

32

36.71

1898.2

23108 41345

-999

+0147 -116

477

1159 -116

24817 88

117

5,814

+0150 -1135

41.48

4231 -116

4233 -105

6.309

36.6

37.17

1934.6

4059 -116

322

93

278

37.32

1939.82

21231 -116

6.376

344

36.6

36.48

1939.82

4341 4036

371 +532

36.5

37.2

6.703

3326

1363

39.0

8898

872

12577

0314

244

123700

36.62

442

5856

546

10892

244

123700

456

442

Observer:

Date: / - /

	R.A. :	21.700	
	DEC. :	14.550	
ST.	R.A. :	238.000	TIME
	DEC. :	-116.000	
	STANCE :	0.920	
	MODULUS :	15	
	VEL. :	-16.600	
	q1 (U) :	0.757	
	q2 (U) :	0.578	
	q3 (U) :	-0.304	
	dU :	508.824	
	U :	12.812	
	q1 (V) :	-0.092	
	q2 (V) :	0.555	
	q3 (V) :	0.827	
	dV :	-405.463	
	V :	-19.922	
	q1 (W) :	-0.647	
	q2 (W) :	0.598	
	q3 (W) :	-0.473	
	dW :	%-1035.067	
	W :	-7.956	

Comments:

-0005+26
 even
 -07
 27
 6.1
 966-1428

212320 22 20.9

31243

14074

54.806
024

1401.8

-7 26

52.97

1401.7

6(2)

830

31.7

-53
3.50

27.43 192726

36.150

18.705

54.855

823

823

54.945

840

831
 +801

27.43
33.50
 54.13

1796

53.58
36

53.22

53.22

52.97

1439.80

33.5
31.8

53.10
 +.10

638.5d

22

287

-06

49

623

213444

168024
356 199 342 206

614 318 659 441

2008

4577

AKS 05/11/7
10065 210503
3916 183

111100
111100
632 < d

111100
632 < d

Km

N 1000

2.500

V-616

160065 210503
3916 183

K5
-711

210

1000 -111
164 -111

60000

9682 7703

15703 1944 -46

0164 016

-84 263
-92 2025
-92 2025

217

-2454 -6291

F82 6.23 454 03
 143 8.73 106 80

1-2

Visit 59

AN 353
 P1 1441
 AS 101
 580
 AT 121
 1361

R.A. : 22.450
 DEC. : -6.800
 R.A. : 165.000
 DEC. : -111.000
 TANCE : 2.000
 DULUS : 25
 VEL. : -9.600
 1 (U) : 0.828
 2 (U) : 0.447
 3 (U) : -0.338
 DU : 408.286
 U : 13.503
 1 (U) : -0.219
 2 (U) : 0.814
 3 (U) : 0.538
 DU : -598.562
 U : -20.199
 1 (M) : -0.516
 2 (M) : 0.371
 3 (M) : -0.772
 DM : -595.784
 M : -7.552

AT 103, 498
 New York At. 42, 429
 AT 269, 573

Duquenois A
 Mayorn
 Whippin R
 Beavers W
 Luten J

AAS 75, 167, 198

8542
21354
11144
22
320
-20
55

519 216 513 417

101 586 -1450

PIV

-821 213 161

14686

222 -1417

-821 213

595 213

-20

254 147458 213

238

821 213

2196

4397 98

8796

157

221

9973 7631 2438

-210

351

356

-0734 -1413 0388

2811

467 251 400

299 14 555 213

158

519 216 913 417 351

R.A. : 22.550
DEC. : -20.950
R.A. : 238.000
DEC. : -145.000
TANCE : 1.570
DULUS : 21
VEL. : -2.000

1 (U) : 0.835
2 (U) : 0.358
3 (U) : -0.417
dU : 634.003
U : 13.898

q1 (V) : -0.236
q2 (V) : 0.919
q3 (V) : 0.317
dV : -879.716
V : -18.762

q1 (W) : -0.496
q2 (W) : 0.167
q3 (W) : -0.852
dW : -637.558
W : -11.434

R.A. : 0.050
DEC. : -42.050
PM. R.A. : 140.000
PM. DEC. : -79.000
DISTANCE : 3.000
MODULUS : 40
RAD. VEL. : 3.200

q1 (U) : 0.872
q2 (U) : 0.412
q3 (U) : -0.266
dU : 275.477
U : 10.117

q1 (V) : -0.457
q2 (V) : 0.879
q3 (V) : -0.137
dV : -554.201
V : -22.502

q1 (W) : -0.177
q2 (W) : -0.241
q3 (W) : -0.954
dW : 3.013
W : -2.934

21 2799 2 BVS 4/70 ΔV 0.05 23 10 25 2007 52 Japan W
1945

218346 1/2 136 (1 plate) 10688 -50.06 2504 0.83
HAPS 91, 275 -14 (3) 12.5 40.40 3.1
5403.1

(14/184)

9254 8662 1178
-3746 5059 0208

184138 687 2.744 3034

3851 2 26.55 2267

23733
2 4522+2410
2 4104 319

22.77 3.22 PV +22 10.0

R.A. : 23.100
 DEC. : 20.800
 R.A. : 106.980
 DEC. : -50.080
 DISTANCE : 3.000
 SEMI-MAJOR AXIS : 40
 PARABOLIC VEL. : -12.000

q1 (U) : 0.864
 q2 (U) : 0.501
 q3 (U) : 0.042
 dU : 290.717
 U : 11.068

q1 (V) : -0.323
 q2 (V) : 0.489
 q3 (V) : 0.611
 dV : -269.034
 V : -20.437

q1 (W) : -0.386
 q2 (W) : 0.714
 q3 (W) : -0.584
 dW : -352.371
 W : -7.019

1955
 Rodriguez
 1955

1168

3 44.5

723 4.9

23600

17700

19.38 46.11

889 0.99

9209 4694 } 8504

3898 8721 } 2009

1178 23850

17847

3 46.2 103 64

17.77 44.90

8.57 103

9206

4856

0480
04786

3505

8950

04799
483

6

46332 92504 ~150 624 4500.72
 46001 5206 368 092 245 ~20
 4522 3207
 45126 4428

R.A.	DEC.	PM. R.A.	PM. DEC.	DISTANCE	MODULUS	RAD. VEL.	q1 (U)	q2 (U)	q3 (U)	U	q1 (V)	q2 (V)	q3 (V)	UV	V	q1 (M)	q2 (M)	q3 (M)	MP	M
3.750	23.900	0.000	0.000	0.000	10	0.000	0.429	0.133	0.893	0.000	-0.660	0.722	0.210	0.000	0.000	0.617	0.679	-0.397	0.000	0.000

2 Col

-076 +078 +3289
5 55.8 -35 / 17 B2.515

2106

28199

43578 65 C 2.645

13162

40494 FRS

E=+01

(-66)

3504-1002-1004
-1004-1004

+242±0.8

378

156

-2.1

4.30 V0

334

6.7

-50032 46081 F-104

-2.63

11.19

282

cm

MV=-2.5

-0039
+ 40

000 +008

+1.5
+2.5

8.330-

5-

8.110-

8.010

15.197-

51-

8.790-

8.013

17.965

51+

0.434

0.034

24.200

218.726

6.700*

0.008*

0.000*

-17.000*

-35.000*

55.000*

5.000*

2100.000*

500

263

21

2281 L 13.0 76.05 1 BCB

43295

46172 x 26.0

6.07 -13 -51 ④ +0.12

Be

99728

-bas

-055 103 478 2647

-RBS

PPM

93 484

1005-022

595

-D104

$M_V = -2.85$

-009-025

$\frac{R_b}{r_s} = \frac{6}{75}$

130

Ring 11236
Ring 11236

8911

6.2
+6.1
-22
6.5
+21.0



3000 1000
~~23520~~
 2000
 1000
 1000
 2000
 3000
 4000
 5000
 6000
 7000
 8000
 9000
 10000

2000
 3000
 4000
 5000
 6000
 7000
 8000
 9000
 10000

1000
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 3000
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1000
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 8000
 9000
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 7000
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1000
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 4000
 5000
 6000
 7000
 8000
 9000
 10000

1000
 2000
 3000
 4000
 5000
 6000
 7000
 8000
 9000
 10000

Obser

2231.000*

0.100

-2.000

-23.000

6.500

200

26.000

-0.025*

8.800*

575.440

26.000

0.915

-41.000

15.537

-0.468

0.791

-0.394

-81.808

-26.559

-52.784

0.876

0.473

-0.093

-0.093

-59.800

-14.350

45

17

14

502

8.5

Comments:

IME

/