

285

6301 1 1.7 29 24 FS

HR303 15.5 14 17 24 20
5. 100605 -1075 20
100621 -1060 23.16
100604 100605 100606 100607 100608 100609 100610 100611 100612 100613 100614 100615 100616 100617 100618 100619 100620 100621 100622 100623 100624 100625 100626 100627 100628 100629 100630 100631 100632 100633 100634 100635 100636 100637 100638 100639 100640 100641 100642 100643 100644 100645 100646 100647 100648 100649 100650 100651 100652 100653 100654 100655 100656 100657 100658 100659 100660 100661 100662 100663 100664 100665 100666 100667 100668 100669 100670 100671 100672 100673 100674 100675 100676 100677 100678 100679 100680 100681 100682 100683 100684 100685 100686 100687 100688 100689 100690 100691 100692 100693 100694 100695 100696 100697 100698 100699 100700

294 .154 .471 2 SPC 2.65 / 5 ct

311

[m] 207 18 0.0

[c] 412 143 505 164 -447 1440 -107
207 18 0.0 16.4 -44.7 44.0 1078 0.0
412 143 505 164 -447 1440 -107

282
(285)

R.A. : 1.000
DEC. : 29.400
PM. R.A. : 96.000
PM. DEC. : -113.000
DISTANCE : 2.890
MODULUS : 38
RAD. VEL. : 0.000

q1 (U) : 0.826
q2 (U) : 0.279
q3 (U) : 0.491
dU : 178.101
U : 6.740

q1 (V) : -0.563
q2 (V) : 0.472
q3 (V) : 0.679
dV : -475.965
V : -18.013

q1 (W) : 0.043
q2 (W) : 0.836
q3 (W) : -0.547
dW : 121.035

62

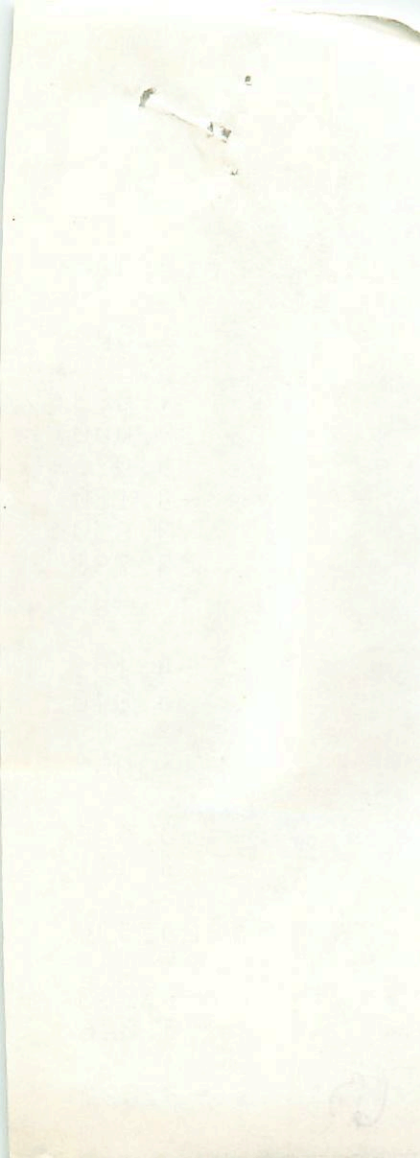
8/11/74 40-112-2 82533 33 0-34 1658 -444 W630
 3030 8324 726 281 583
 6479/80 74 / 03.2 74 39 4F4/400 (Emulley) +15
 +0020-720

313/314 285 1485 121681 6.32 +0.385 -0.025 Egg +0020-720
 GG-1317/14 322, 53 314 2430 110
 +1320 634 .257 140 .520 2.640 ② 34,113
 1320 634 09 917 14 145 519 410
 72221 74 145 128 410
 7 7.23 +0.485 -0.04 Egg 30
 723 319

186 177 .336 .117 .404 2.627 ② 47,311
 489 325 146 373
 39 159 358
 39 105
 +00155-1160 ±1.5
 +50161-1154
 +0240 +020-120

205
 268 181
 2180
 23 -12
 -1 -2 -3 110
 -746

67



313.000*

1.000*

3.200*

4.000*

39.000*

3.026*

-3.120*

3.650*

53.703

-7.400

-3.159

0.340

-11.055

-3.476

0.411

-23.594

-3.295

-3.846

-3.582

65

AD. VEL. : 400
 MODULUS : 400
 DISTANCE : 400
 PM. DEC. : -150.000
 R.A. : 30.000
 DEC. : 4.000
 R.A. : 1.000

01 (W) : 0.000
 02 (W) : 0.000
 03 (W) : 0.000
 04 (W) : -150.000
 05 (W) : 0.000

01 (W) : 0.000
 02 (W) : 0.000
 03 (W) : 0.000
 04 (W) : -400.000
 05 (W) : -400.000

01 (W) : 0.000
 02 (W) : 0.000
 03 (W) : -0.000
 04 (W) : -0.000
 05 (W) : -0.000

R.A. : 1.050
DEC. : 4.650
PM. R.A. : 30.000
PM. DEC. : -123.000
DISTANCE : 3.190
MODULUS : 43.
AD. VEL. : -7.000

q1 (U) : 0.822
q2 (U) : 0.458
q3 (U) : 0.340
dU : -150.265
U : -8.986

q1 (V) : -0.567
q2 (V) : 0.714
q3 (V) : 0.411
dV : -496.433
V : -24.449

q1 (W) : 0.054
q2 (W) : 0.531
q3 (W) : -0.846
dW : -301.626
W : -7.184

883 5883-132 old 8259 + 649
 1 04.6 -51 15 151 151 151 151

+8.7

6673

71225

$\pi(I)$ $\pi(Pr)$
 +5.40 0.029

8.88 +0.915 +0.615 (2)

8.46 +0.34 (2)

$\frac{1.10}{2.70}$

384(10)

384(10)

416(8)

N V W

8.63 $\Delta(B-V) = +0.55$

+65.6 -41.7 -6.0

$\Delta(U-B) +0.165$

+19 -11 +1

883 530

453 251 (2) (ohn)

+60 -39 -6

389

+8.7 +0.468 +0.040

+152 -112 +6

488 000

9570 603

756
 607
 207
 +8.7

64

Handwritten notes on a piece of paper, possibly a page from a notebook or a document. The text is written in cursive and is mostly illegible due to blurring and the angle of the page. Some faint words and numbers are visible, including "12", "13", "14", "15", "16", "17", "18", "19", "20", "21", "22", "23", "24", "25", "26", "27", "28", "29", "30", "31", "32", "33", "34", "35", "36", "37", "38", "39", "40", "41", "42", "43", "44", "45", "46", "47", "48", "49", "50", "51", "52", "53", "54", "55", "56", "57", "58", "59", "60", "61", "62", "63", "64", "65", "66", "67", "68", "69", "70", "71", "72", "73", "74", "75", "76", "77", "78", "79", "80", "81", "82", "83", "84", "85", "86", "87", "88", "89", "90", "91", "92", "93", "94", "95", "96", "97", "98", "99", "100".

100

100

100
100
100
100

100
100
100
100

R.A.	:	1.100
DEC.	:	-31.200
R.A.	:	248.000
DEC.	:	-110.000
TANCE	:	3.490
DULUS	:	50
VEL.	:	7.900
1 (U)	:	0.818
2 (U)	:	0.575
3 (U)	:	0.016
DU	:	522.337
U	:	26.189
1 (V)	:	-0.572
2 (V)	:	0.815
3 (V)	:	-0.091
DU	:	%-1000.017
U	:	-50.608
(M)	:	0.066
(M)	:	-0.065
(M)	:	-0.996
MP	:	100.047
M	:	-2.875

Lab

11.9

7439

11.9

-8

12

982

155

55

HN366

101

5.17 + 0.41 - 0.07 egg

021461

egg

egg

5.17 + 0.41 - 0.07 egg

276A

egg

egg

5.15 2.96 1.38 egg

276A

egg

egg

5.15 2.96 1.38 egg

[M] 196 127

127

egg

egg

5.15 2.96 1.38 egg

[G] 383

383

egg

egg

5.15 2.96 1.38 egg

129

129

egg

egg

5.15 2.96 1.38 egg

129

129

egg

egg

5.15 2.96 1.38 egg

129

egg

egg

5.15 2.96 1.38 egg

6086 275 Standing

178 375

155

129

178 375

155

129

4740

2647 906

5.15 2.96 1.38 egg

egg

egg

127

383

129

2.51

2.87 + 0.78 + 0.35 egg

2.87 + 0.78 + 0.35 egg

2.87 + 0.78 + 0.35 egg

2.87 + 0.78 + 0.35 egg

2.87 + 0.78 + 0.35 egg

egg

egg

127

383

129

129

egg

egg

5.15 2.96 1.38 egg

egg

127

383

129

2.87 + 0.78 + 0.35 egg

2.87 + 0.78 + 0.35 egg

2.87 + 0.78 + 0.35 egg

egg

egg

127

383

129

2.87 + 0.78 + 0.35 egg

2.87 + 0.78 + 0.35 egg

egg

egg

127

383

129

67

R.A. : 1.200
DEC. : -8.200
R.A. : 129.000
DEC. : 275.000
ANCE : 1.700
ULUS : 22
VEL. : 23.000

(U) : 0.809
2 (U) : 0.526
3 (U) : 0.261
dU : 1175.658
U : 31.724

1 (V) : -0.581
2 (V) : 0.784
3 (V) : 0.220
dV : 670.540
V : 19.727

1 (W) : 0.089
2 (W) : 0.330
3 (W) : -0.940
dW : 483.337
W : -11.045

7

386at

7476 1 12.3 -1 14 5.8 dF3 +25556

723

1501

-0004 +202 N30

-0010 ± 1.8 +209 ± 1.5 Gellan to N30

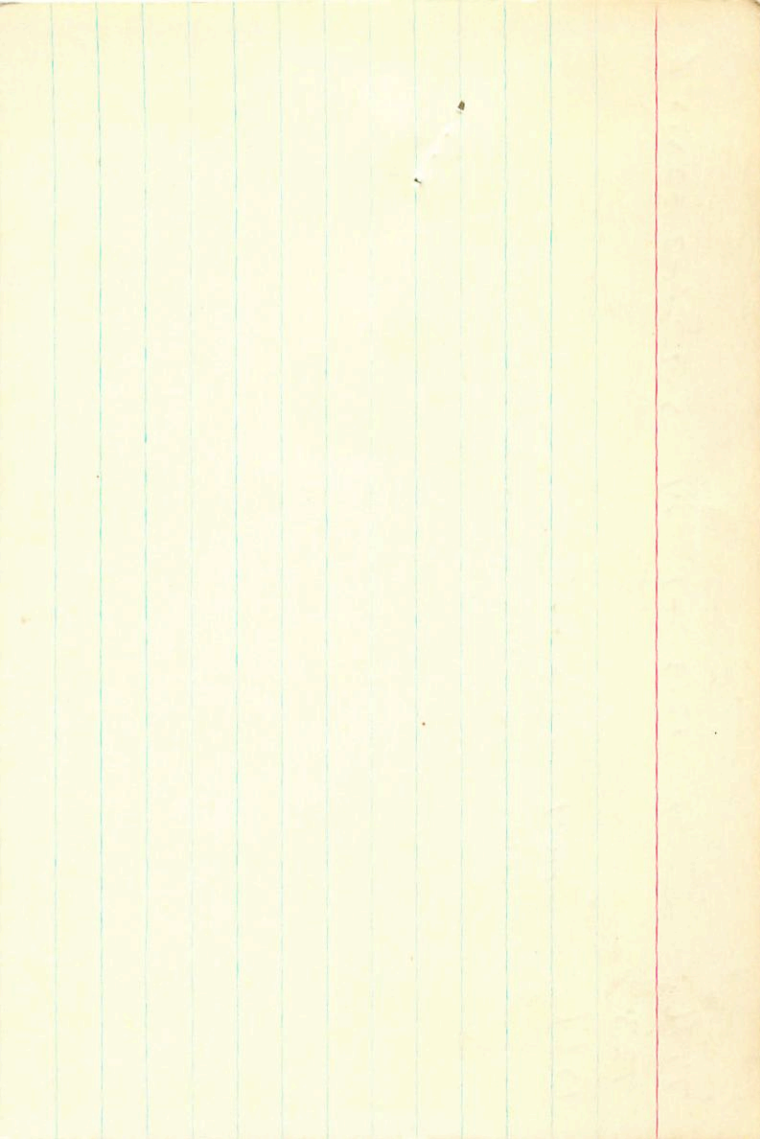
2565

PKS bpt

12014

18901

1022 +212



500

0420
+278

7476

1 12.3 -1 14

dfs

30

HR365

5.68 + 0.43 - 0.02 3599

GC1501

5.28 2.14 494

3564

1283 .154 .488 ③ SPC 2.660.5 C+

50

68

5.70 283 137 506

499

783 131

[mm] 205 +17

-12

[g] 431

144
61

101

2.50

13.15

175

R.A. : 1.200
DEC. : -1.250
R.A. : -12.000
DEC. : 201.000
STANCE : 2.500
ODULUS : 32
VEL. : 25.000

q1 (U) : 0.809
q2 (U) : 0.491
q3 (U) : 0.323
dU : 421.483
U : 21.398

q1 (V) : -0.581
q2 (V) : 0.752
q3 (V) : 0.313
dV : 749.094
V : 31.517

q1 (W) : 0.089
q2 (W) : 0.441
q3 (W) : -0.893
dW : 414.929
W : -9.208

68

68

961
175

VPhe 1 125 -45 48 d60 +11.50

081

HR370

4.94 +0.56 F8E^{mm}

W726

292

+695 +185-60
+695 +185-60

670 + 175 859
167 472 2.123

(275) 405

.063 +43 -22 -9 352 -276 293 -143

1968 July

+105 +13

(1270) 75-4(18)
45C(14)

+0629 +175
+ 4
+0633
+183

(+3)

485 6.177
+0626 +177

683
0.150
0.133
+1.33
0.717
0.122

945
945
689

+6620
+664 +179
689

+0395 #81
03390
2550 +179
357

#

312 550 -717 687 +695 +187 +11.5 -134 -8 616
-217 042 660 -127 -~~428~~ 336 +8.0 +8 +2

~~-20~~ +5 1 +1 07

+43 -31 +9

[+45 -20 -10]

+3 +43 0 08

[+38 -18 -9]

+39 -18 -9 051

+2 +46 0 76

+40 -14 -9

+0634
+0638
176
176

+0630 ± 3.4
+0629
+185 ± 2.5
+188

Wche 12.9 -45 48 55E 111.5E

7570

4.9E 10.56 (46E)

084

724
15-10

19003

5-5.871 1905.3 -45 47 53.35 +659 +185 0.0
2.816 - 9.19 +659 +189 N30
53.1055

7914
6011

45 2.54

~~2.68~~
2.68

0.25 0.45 0.65

+33.2 +36.3 +40.0

- 9.30

-16.9 -18.1 -19.6

-10.6 -10.6 -10.6

+3.063

-10

49.54

57147
128

49.94

56.142
-0.11

50.1 57

53.10

1953.98

56.118
58206

-14
53.24

312 950 -207 207 +659 +187 +11.5 -132 -8-625
-206 041 626 -125 -384 3.160 +8.1 +8 +3 084
+3 +41 -15
+29 -30 -16

25

69

1874
1875
1876
1877
1878
1879
1880
1881
1882
1883
1884
1885
1886
1887
1888
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1896
1897
1898
1899
1900

4306

211

14.74

41.0
-200

1.200
 -45.800
 953.000
 179.000

143

0.25

11.17

1.500
 1.200
 11.500

19.95 14.32

1432

13.93

+401

0.809
 0.576
 -0.114
 3037.647
 59.296

8.7
13.93

33

47.95
 -22.8

-0.581
 0.755
 -0.304
 -1187.497
 -27.191

-2

-4

-16.8

-13

69

0.889
 -0.312
 -0.946
 15.885
 -10.577

-10

-11.66

0.162 + 1.180

8747
45717
(8)1-10

0-1-184
1-871-884

781 +
" "
10637
5

[0] 863 224

[M] 273 072

0710
0714
0717

069 027
5580 533

U pte
GEISID
HR320

672 92
324 + 54
230 + 22
168

9570 445
to 319

495-323-441

Hysu

1 12.9 -45 48 F8U

4113

496 + 57 + 09 C
~~464 + 58 + 10 J~~

4.96 360 193 379
368
150

1880 173 409 227.3
376 147 384 3

~~374 173 349 2625~~

115
391

5587163

+10630 ± 3.4
+10229
0635
6621

+1174
+1194
5335 003

~~53018~~

-9.14
2.54

56162

539819

5310

-4.5
1.17

7.17

0628

+180

57.147

49.54

49.94

0635

+184

16

-16
50.12

6604

55.147

35111

55.147

1.17

-1.17
-0.9
-1.17
0.93

40 let 3157 +0172 ±2.0 -130 ±1.9
+0105 -137
7727 1 14.4 -2 32 6.8 dF8 +8.58

740 6.52329 -4/6 0.174 -143 outlay
261 -143

1542 14 25.294 1893.0 -2 32 25.53 1882.0
+8.84
24.314 16.69

24.314 133-55-15

~~80~~ 13 8.446 261
16.330 143
24.014 2.5
25.035 +8.15
79.22 1932.89
55.52
23.40
23.86 5.59
2.79

60365 25.089 +.721
67946 + 25.386 13.7
4504 254 175 262 24.06
350 175 303
2355 190 450
24.55 1938.48
+2.9
24.26 35.7
24.06
-7.37 53.7

20

R.A. : 1.250
DEC. : -2.550
R.A. : 261.000
DEC. : -143.000
TANCE : 2.500
DULUS : 32
VEL. : 8.500

1 (U) : 0.805
2 (U) : 0.498
3 (U) : 0.322
dU : 656.998
U : 23.514

q1 (V) : -0.585
q2 (V) : 0.758
q3 (V) : 0.288
% = 1236.695

785 to
1-10-1-1

1 16.10.10 9.9.10 +16.6.10

8.00 447-250

390-1

8.00 480 326 295

7.00 2697 7.00

8.00 482 326 303

10.10

491 333 299

0.241-0.052

10.10

486-252

436
-252

230

9.9.10

71

R.A. : 1.250
DEC. : -1.128
PM. R.A. : 434.800
PM. DEC. : -282.800
DISTANCE : 2.800
MODULUS :
AD. VEL. : 18.800

d1 (U) : 8.888
d2 (U) : 8.428
d3 (U) : 8.334
d4 : 1877.414
U : 24.821

d1 (U) : -8.288
d2 (U) : 8.781
d3 (U) : 8.387
d4 : -2188.318
U : -22.828

d1 (U) : 8.188
d2 (U) : 8.442
d3 (U) : -8.871
d4 : -238.288
U :

R.A. : 1.250
DEC. : -1.150
PM. R.A. : 436.000
PM. DEC. : -252.000
DISTANCE : 2.300
MODULUS : 29
RAD. VEL. : 16.600

q1 (U) : 0.805
q2 (U) : 0.490
q3 (U) : 0.334
dU : 1077.414
U : 36.621

q1 (V) : -0.585
q2 (V) : 0.751
q3 (V) : 0.307
dV : % -2105.310
V : -55.625

q1 (W) : 0.100
q2 (W) : 0.442
q3 (W) : -0.891
dW

111

3550
+ 205
- 10
555

6550 5550
6550 0354
6556 6776

7.5
- 15
7.5

59.23

17.72
5.0

16.91 8.7

100

6380 788
- 10 11.1

6 w/1
+ 2.48

14.6 + 15 2

10000

5550-750

5550

- 00.33
+ 0390 + 27

+ 0390 - 006

+ 0345

033 102 1000

6.5 470 195 309

7.00

6.76

4

3.4733

32.763
- 1.582

31.181

5550-750

6.5
470
195
309

7.00
6.76
4

3.4733

32.763
- 1.582

31.181

24

6 m and 11
D.V. 20.2

8272 1 20.2 + 57 52 dFY

HR 391

1/25/20

276 178 454

Dillon

636 253 150 766
284 162 442

HR 31108

AD51105- 2.33 } 1"

+0174 ± 3.6 -0990 ± 3.0
+0163 ± 7.058

8272 1 20.2 +57 53 755 +7.08

788

134

1662 20 9.531 1997.4 757 53 0.36 18931

-915

5.12

C₀ 448

8.616

996

5.48

18 34.23

1 34.20

20

8.8521

2344

45

7

51.95

1924.9

9.075

346

5-3 0.360

21.55

343

9.075

9.240

21.89

0.76

154.96

35.4

0.57

340.0

9.445

-0.332

1.72

42.9

-3.76

1855089

711

-3.76

23

R.A. : 1.259
DEC. : 27.900
FM. R.A. : 254.800
PM. DEC. : 32.800
DISTANCE : 3.800
MODULE : 24
RAD. VEL. : 7.000

d1 (U) : 0.728
d2 (U) : -0.882
d3 (U) : 0.600
d4 : 331.845
U : 32.878

d1 (U) : 0.728
d2 (U) : -0.882
d3 (U) : 0.600
d4 : 331.845
U : 32.878

R.A. : 1.350
DEC. : 57.900
PM. R.A. : 254.000
PM. DEC. : -89.000
DISTANCE : 3.660
MODULUS : 54
RAD. VEL. : 7.000

q1 (U) : 0.796
q2 (U) : -0.052
q3 (U) : 0.604
dU : 531.045
U : 32.875

q1 (V) :
q2 (V) : -0.593
q3 (V) : 0.136
dV : 0.794

A051123

8556 HR004

+0025 ± 6.0
+0024 ± 1

+008 ± 4.1
+006 ± 3 van Hout

21.8 -07 10 6.0 dF2 +28.66

796 7125

Orbit

1697 21

49608 1891.9

-7 10 29.54 1897.7

6.6302
6.8302

HR 409

±0014

+00237 +0045

5.90 +0.42 -0.07

HR 409

+00352

032.4

0376

6

+033.5 +0005

0331

37

0010

6

408 60

-0045

-4

A115

766

132

0036

7.03

0010

766

132

7.25

+18.6

58454

±0.37

30

504

74

8638
-28733

6769-56
YPL 2M

CO 255

+276
30

828 434-384
1 22.4

8.30 433 2/8 286 Ollm
432 210

25 56 03 II
+87.24

~~Candidate~~
0705-270

324-271
367
-271
3.21
+87.2

75



FM. R.A. DEC. 1.400
R.A. DEC. 357.100
DISTANCE 357.000
MODULUS 357.000
VEL. 357.000
D1 (U) 97.510
D2 (U) 97.510
D3 (U) 97.510
BU 97.510
U 97.510
D1 (U) 97.510
D2 (U) 97.510
D3 (U) 97.510
BU 97.510
U 97.510

R.A.	:	:	1.400
DEC.	:	:	-28.100
FM. R.A.	:	:	367.000
FM. DEC.	:	:	-271.000
DISTANCE	:	:	3.210
MODULUS	:	:	44
AD. VEL.	:	:	87.200
q1 (U)	:	:	0.791
q2 (U)	:	:	0.603
q3 (U)	:	:	0.103
du	:	:	438.496
U	:	:	28.2

413

8723 198

Eric

18624

256

787

1

23.5

118

55

5-25 176-506

434

256 148

488

265

1.4 7.1

2188

148 488

5.35

176 893

cuplock

-1019 4010

8131 X

1240

-022 4010

288

10

235

19

-80

26

582 319 149 310 75
480 326
811 612 285

F02

Var

13808 day 6 = 1.1

Plus

427
427
427

22.5
22.5
22.5

356as

1342
1342
1342

9504 9757
1586 - 2191

1342

1389 - 076

1523
-0437

90 3/4
90 3/4

9496 9536
9496 9536

444
-76
1.14
1.14

9496 9536
9496 9536

9496 9536
9496 9536

77

VEL
DILLS
TANCE
DEL.
P.A.
DEL.
P.A.

1.828
1.788
1.748
1.708
1.668
1.628
1.588
1.548
1.508
1.468
1.428
1.388
1.348
1.308
1.268
1.228
1.188
1.148
1.108
1.068
1.028
988
948
908
868
828
788
748
708
668
628
588
548
508
468
428
388
348
308
268
228
188
148
108
68
28

1.828
1.788
1.748
1.708
1.668
1.628
1.588
1.548
1.508
1.468
1.428
1.388
1.348
1.308
1.268
1.228
1.188
1.148
1.108
1.068
1.028
988
948
908
868
828
788
748
708
668
628
588
548
508
468
428
388
348
308
268
228
188
148
108
68
28

R.A. : 1.450
DEC. : 70.000
R.A. : 406.000
DEC. : -76.000
TANCE : 1.820
DULUS : 29
VEL. : 1.100

11 (U) : 0.786
12 (U) : -0.197
13 (U) : 0.586
DU : 588.179
U : 14.244

91 (W) : -0.601
92 (W) : -0.019
93 (U) : 0.799
DV : -388.796
V : -8.110

91 (W) :
92 (U) :