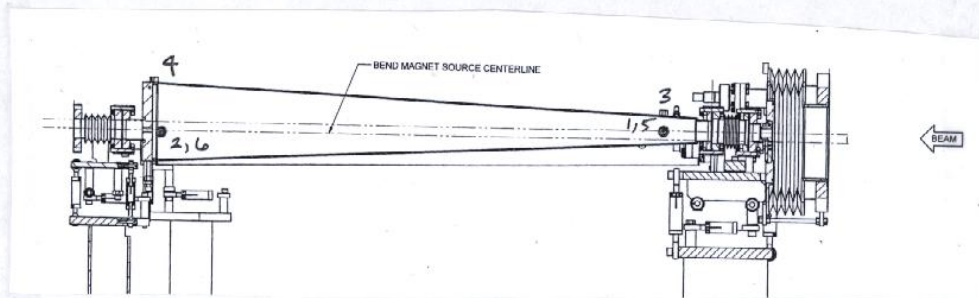


SSRL  
BL14-3 PIVOT MASK

6-08



	X	Y	Z
1	+2.727	+ .916	514.674
2	+2.752	+ 1.072	563.766
3	- .034	+3.822	514.661
4	- .019	+6.133	563.766
5	-2.706	+ .900	514.723
6	-2.754	+ 1.061	563.761

X VALUES TO  $\Phi$  OF CHAMBER

Y VALUES RELATIVE TO BEND SOURCE

SEE PRINTOUT FOR FIELD #'S

BL14-3 PIVOT MASK  
FIELD #'S

6-08

**Job Description:**

**Report Units: inches, milliradians**

Job File: C:\Documents and Settings\levirt\My Documents\My Documents\SSRL 2008\BL14-3  
Job Date: Wednesday, February 20, 2008 02:27:14 PM  
Report Frame: PART

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USFL	4.081	0.912	510.068
BL143PM1	6.845	0.916	514.652
BL143PM2	7.262	0.072	563.742
BL143PM3	4.084	3.822	514.661
BL143PM4	4.492	6.133	563.764
BL143PM5	1.412	0.900	514.744
BL143PM6	1.757	0.061	563.781
DSAPER	4.510	0.074	563.735

X Y Z

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Report Date: Thursday, June 05, 2008 09:00:57 AM

SSRL  
BL14-3 PIVOT MASK

5-30-08  
J.M., L.G.

(X)

01.800R US INSERT

7.254 1/2 AP. BODY

~~20.000~~

~~19.806~~

23.000

21.841

17.679

18.241

17.687

18.233 COS

19.487 COS

1) 15.760

1.000

16.760

19.487

+2.727

2) 15.735

1.000

16.735

19.487

+2.752

3) 18.521

1.000

19.521

19.487

-0.034

4) 18.506

1.000

19.506

19.487

-0.019

5) 5.933 (1-5)

.500 1/2

5.433

2.727

-2.706

6) 6.006 (2-6)

.500

5.506

2.752

-2.754

VALUES TO  
OF CHAMBER

SSRL  
BL14-3 PIVOT MASIC

5-30-08  
J.M., L.G.

(Y) GUN 1  
-1.005 to TOP OF APERTURE  
(+) .074 AP. Q to BL

$$\begin{array}{r} 4.079 \\ \hline 1197 \frac{1}{2} \text{ GAP} \\ \hline +.276 \text{ HI} \\ \hline 5.374 \text{ REF} \\ \hline 5.098 = \text{BL} \end{array}$$

GUN 2

$$\begin{array}{r} 17.597 \text{ REF} \\ \hline 5.098 \text{ BL} \\ \hline 12.499 \text{ HI} \end{array}$$

4.975 BOT  
~~0~~

U/S INSERT

$$\begin{array}{r} 12.499 \\ \hline (+).912 \text{ offset} \\ \hline 11.587 \\ \hline 1.000 \text{ IZ} \\ \hline 9.787 \text{ S/R} \\ \hline 9.788 \\ \hline \boxed{-001} \end{array}$$

D/S FL. <sup>TOP</sup> FLAT

$$\begin{array}{r} 12.499 \\ \hline 2.250 \text{ FLAT VAL.} \\ \hline 10.249 \text{ S/R} \\ \hline 10.240 \\ \hline \boxed{+009} \end{array}$$

12.499 HI

1) 10.583

$$\begin{array}{r} 1.000 \\ \hline 11.583 \\ \hline 12.499 \\ \hline \boxed{+.916} \end{array}$$

2) 11.427

$$\begin{array}{r} 1.000 \\ \hline 12.427 \\ \hline 12.499 \\ \hline \boxed{+.072} \end{array}$$

3) 7.677

$$\begin{array}{r} 1.000 \\ \hline 8.677 \\ \hline 12.499 \\ \hline \boxed{+3.822} \end{array}$$

4) 5.366

$$\begin{array}{r} 1.000 \\ \hline 6.366 \\ \hline 12.499 \\ \hline \boxed{+6.133} \end{array}$$

5) 10.599

$$\begin{array}{r} 1.000 \\ \hline 11.599 \\ \hline 12.499 \\ \hline \boxed{+.900} \end{array}$$

6) 11.438

$$\begin{array}{r} 1.000 \\ \hline 12.438 \\ \hline 12.499 \\ \hline \boxed{+.061} \end{array}$$

VALUES FROM  
BEND MAGNET  
SOURCE &

SSRL  
BL14-3 PIVOT MASK

5-30-08  
J.M., L.G.

⑦

$$\begin{array}{r} 510.068 \text{ U/S FL. FACE} \\ 19.945 \text{ READ} \\ \hline 490.123 \text{ LOS for } 1,3\frac{1}{2}5 \end{array}$$

1)  $\begin{array}{r} 23.551 \\ 1.000 \\ \hline \end{array}$

$$\begin{array}{r} 24.551 \\ 490.123 \\ \hline \end{array}$$

$\boxed{514.674}$

3)  $\begin{array}{r} 23.538 \\ 1.000 \\ \hline \end{array}$

$$\begin{array}{r} 24.538 \\ 490.123 \\ \hline \end{array}$$

$\boxed{514.661}$

5)  $\begin{array}{r} 23.600 \\ 1.000 \\ \hline \end{array}$

$$\begin{array}{r} 24.600 \\ 490.123 \\ \hline \end{array}$$

$\boxed{514.723}$

9.095 READ on O/S FACE OF APERTURE  
.955 to u/s FACE

$$\begin{array}{r} 10.050 \\ \hline \end{array}$$

$$\begin{array}{r} 563.737 \text{ U/S FACE OF APERTURE} \\ \hline \end{array}$$

$$\begin{array}{r} 573.787 \text{ LOS for } 2,4\frac{1}{2}6 \end{array}$$

2)  $\begin{array}{r} 1.150 \\ 8.871 \\ \hline \end{array}$

$$\begin{array}{r} 10.021 \\ 573.787 \\ \hline \end{array}$$

$\boxed{563.766}$

4)  $\begin{array}{r} 1.150 \\ 8.871 \\ \hline \end{array}$

$$\begin{array}{r} 10.021 \\ 573.787 \\ \hline \end{array}$$

$\boxed{563.766}$

6)  $\begin{array}{r} 1.155 \\ 8.871 \text{ offset ft} \\ \hline \end{array}$


$$\begin{array}{r} 10.026 \\ 573.787 \\ \hline \end{array}$$

$\boxed{563.761}$

SSRL  
BL14-3 PHOTO MASK  
CHECKING APERTURE

5-30-08  
J.M.L.G.

$$\begin{array}{r} \textcircled{X} + 19,487 \text{ LOS} \\ 15,000 \text{ REF} \\ \hline 34,487 = \text{BL} \end{array}$$

$$\begin{array}{r} 1.128 / 2 = .564 \\ 34,487 \\ \hline 33,923 \text{ S/R (+) SIDE} \end{array}$$


### Breakout mask fiducialization data

	X	Y	Z
Breakout mask BL14-1 aperture	4.035	-0.294	504.331
Breakout mask BL14-2 aperture	0.000	0.000	504.331
Breakout mask BL14-3 aperture	4.035	0.834	504.331
Breakout flange BL14-1	-4.045	-0.317	506.999
Breakout flange BL14-2	0.000	0.000	511.937
Breakout flange BL14-3	4.040	0.850	506.550

### Pivot mask fiducialization data

BL14-1 pivot mask u/s flange	-4.081	-0.376	510.164
BL14-1 pivot mask aperture	-4.510	-0.877	563.783
BL14-3 pivot mask u/s flange	4.081	0.912	510.068
BL14-3 pivot mask aperture	4.510	0.074	563.737

6/2/08 Dan Hanz