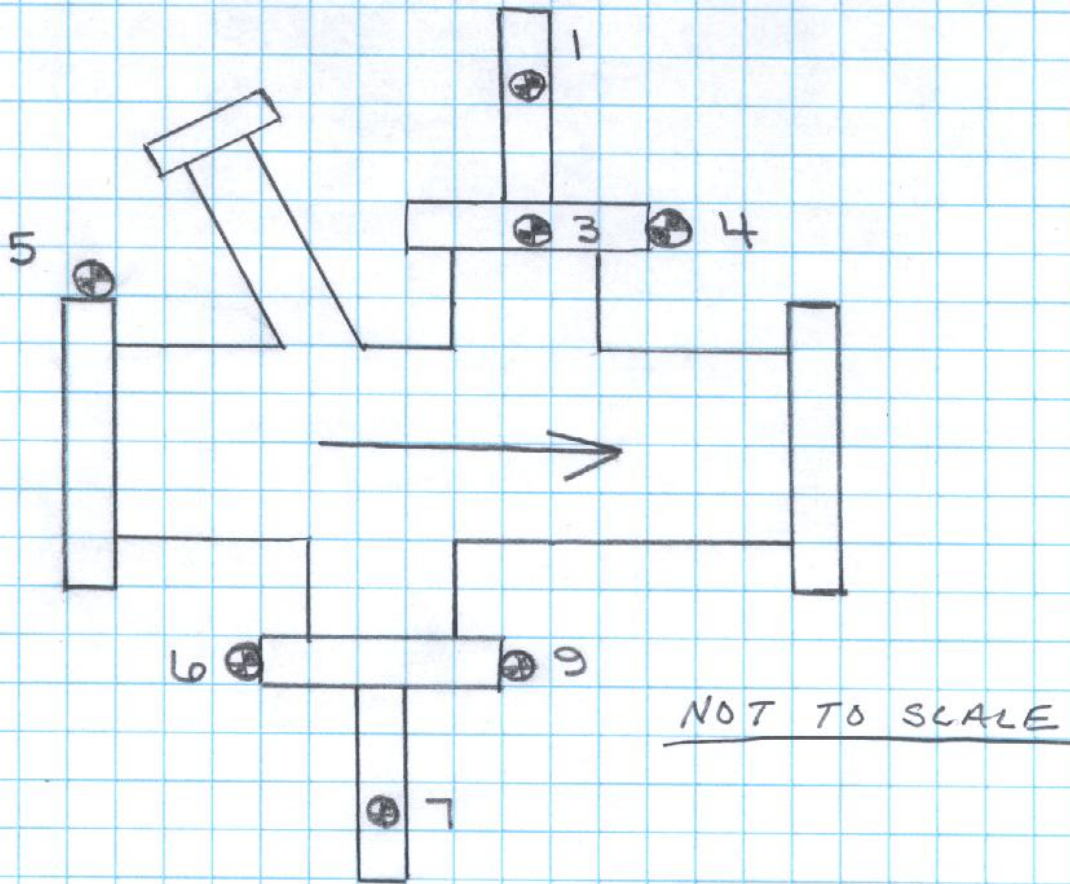


# SSRL 14-3 VERTICAL SLIT

11-20-08  
LG MR



FIELD VALUES  
NOT ROTATED

|   | X      | Y       | Z      |
|---|--------|---------|--------|
| 1 | -1.959 | +11.738 | +0.758 |
| 3 | -4.504 | +6.587  | +0.590 |
| 4 | -0.014 | +6.575  | +5.067 |
| 5 | -0.042 | +3.792  | -5.018 |
| 6 | +0.180 | -6.444  | -6.392 |
| 7 | -1.924 | -11.732 | -1.934 |
| 9 | +0.061 | -6.462  | +2.559 |

\* SEE NEXT PAGE FOR FIELD NUMBERS \*

SSRL

11/08

BL14-3 VERT SUIT FIELD #'S

Job Description:

Report Units: inches, milliradians

Job File: C:\Documents and Settings\levirt\My Documents\My Documents\SSRL 2008\BL 14-

Job Date: Wednesday, February 20, 2008 02:27:14 PM

Report Frame: PART

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|          |       |         |         |
|----------|-------|---------|---------|
| BL143VSM | 4.609 | 0.000   | 576.080 |
| BL143VS1 | 2.656 | 11.738  | 576.854 |
| BL143VS3 | 0.110 | 6.587   | 576.706 |
| BL143VS4 | 4.636 | 6.575   | 581.147 |
| BL143VS5 | 4.527 | 3.792   | 571.062 |
| BL143VS6 | 4.738 | -6.444  | 569.687 |
| BL143VS7 | 2.670 | -11.732 | 574.161 |
| BL143VS9 | 4.690 | -6.462  | 578.638 |

X

Y

Z

Report Date: Monday, January 12, 2009 10:14:35 AM

SSRL

BL14-3 VERT. SLIT

YAWED 8 MR  
11/08

**Job Description:**

**Report Units: inches, milliradians**

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

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|          |        |         |            |
|----------|--------|---------|------------|
| BL143VSM | 0.000  | 0.000   | 0.000 0/0  |
| BL143VS1 | -1.953 | 11.738  | 0.774 0/0  |
| BL143VS3 | -4.499 | 6.587   | 0.626 0/0  |
| BL143VS4 | 0.027  | 6.575   | 5.067 0/0  |
| BL143VS5 | -0.082 | 3.792   | -5.018 0/0 |
| BL143VS6 | 0.129  | -6.444  | -6.393 0/0 |
| BL143VS7 | -1.939 | -11.732 | -1.919 0/0 |
| BL143VS9 | 0.081  | -6.462  | 2.558 0/0  |

X

Y

Z

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Report Date: Monday, January 12, 2009 10:13:39 AM

FARO Insight 5.0.5

Page 1

SSRL  
BL14-3 VERT. SLIT

LAB DATA  
11/08

Job Description:  
Report Units: inches, degrees

Job File: C:\Documents and Settings\levirt\My Documents\My Documents\SSRL 2008\BL 14-  
Job Date: Wednesday, February 20, 2008 02:27:14 PM  
Report Frame: @STATION01

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|          |        |         |        |
|----------|--------|---------|--------|
| BL143VSM | 0.000  | 0.000   | 0.000  |
| BL143VS1 | -1.959 | 11.738  | 0.758  |
| BL143VS3 | -4.504 | 6.587   | 0.590  |
| BL143VS4 | -0.014 | 6.575   | 5.067  |
| BL143VS5 | -0.042 | 3.792   | -5.018 |
| BL143VS6 | 0.180  | -6.444  | -6.392 |
| BL143VS7 | -1.924 | -11.732 | -1.934 |
| BL143VS9 | 0.061  | -6.462  | 2.559  |

X Y Z

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Report Date: Tuesday, November 25, 2008 01:15:32 PM

FARO Insight 5.0.5

Page 1

# SSRL 14-3 VERT SLIT

11-21-08  
LG MR

X)

1.624  
2.310  
20.000  
20.224  
28.000  
27.301  
27.887  
27.201  
-29.511

$$\begin{array}{r} 1) \ 26.552 \\ \underline{1.} \\ 27.552 \\ 29.511 \\ \hline \boxed{+1.959} \end{array}$$

$$\begin{array}{r} 3) \ 24.007 \\ \underline{1.} \\ 25.007 \\ 29.511 \\ \hline \boxed{-4.504} \end{array}$$

$$\begin{array}{r} 4) \ 28.497 \\ \underline{1.} \\ 29.497 \\ 29.511 \\ \hline \boxed{-0.014} \end{array}$$

$$\begin{array}{r} 5) \ 28.469 \\ \underline{1.} \\ 29.469 \\ 29.511 \\ \hline \boxed{-0.042} \end{array}$$

$$\begin{array}{r} 6) \ 28.691 \\ \underline{1.} \\ 29.691 \\ 29.511 \\ \hline \boxed{+0.180} \end{array}$$

$$\begin{array}{r} 7) \ 24.587 \\ \underline{1.} \\ 27.587 \\ 29.511 \\ \hline \boxed{-1.924} \end{array}$$

$$\begin{array}{r} 9) \ 28.572 \\ \underline{1.} \\ 29.572 \\ 29.511 \\ \hline \boxed{+0.061} \end{array}$$

27  
11/08

"Y"

# SSRL 14-3 VERT SLIT

11-20-08

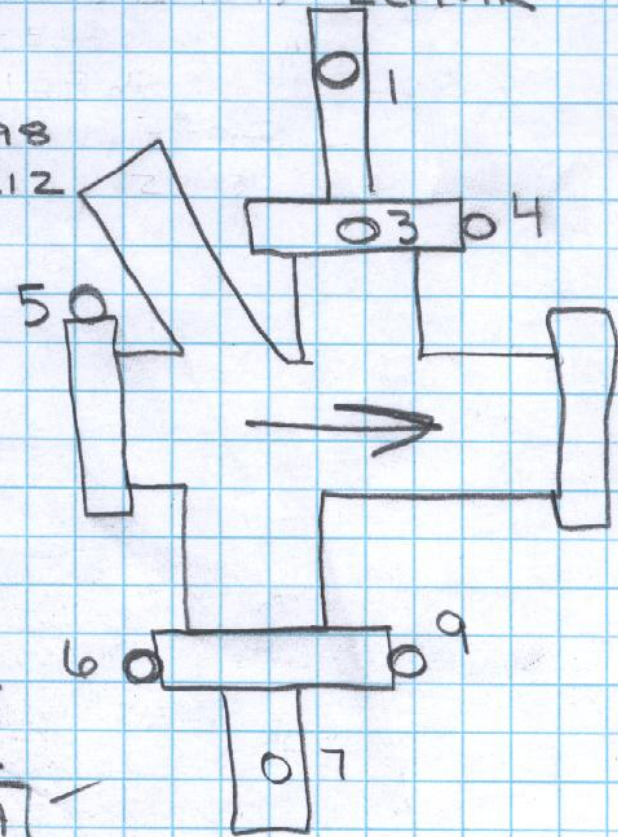
LG MR

D/S FLANGE 3.247 1624  $\Delta = .686$  4  
 U/S FLANGE 4.620 2310

ROLL TOP  $\phi$  BOTTOM  $\phi$  DS 2898 US 2212

$$\begin{array}{r} 2898 \\ \underline{1} \\ 3.898 \\ \underline{1.624} \\ -5.522 \text{ HI.} \end{array}$$

$$\begin{array}{r} \text{REF } 13.963 \\ \underline{-5.522} \\ 19.485 \text{ F} \end{array}$$



$$\begin{array}{r} 9) \quad 0.690 \\ \quad .250 \\ \hline 0.940 \\ \underline{-5.522} \\ \boxed{-6.462} \end{array}$$

$$\begin{array}{r} 6) \quad 0.672 \\ \quad .250 \\ \hline 0.922 \\ \underline{-5.522} \\ \boxed{-6.444} \end{array}$$

2ND POSITION

$$\begin{array}{r} 3) \quad 11.109 \\ \quad \underline{1} \\ 12.109 \\ \underline{-5.522} \\ \boxed{+6.587} \end{array}$$

$$\begin{array}{r} \text{REF } 10.280 \\ \underline{19.485} \\ -9.205 \text{ HI.} \end{array}$$

$$\begin{array}{r} 7) \quad 2.277 \\ \quad .250 \\ \hline 2.527 \\ \underline{-9.205} \\ \boxed{-11.732} \end{array}$$

3RD POSITION

$$\begin{array}{r} 23.531 \\ \underline{19.485} \\ 4.046 \text{ HI.} \end{array}$$

$$\begin{array}{r} 5) \quad 4046 \\ \quad \underline{-1.004} \\ 4042 \\ \quad .250 \\ \hline \boxed{+3.792} \end{array}$$

4TH POSITION

$$\begin{array}{r} 30.485 \\ \underline{19.485} \\ 11.000 \text{ HI} \end{array}$$

488

$$\begin{array}{r} 1) \quad 11.000 \text{ HI} \\ \quad .488 \\ \hline 11.488 \\ \quad .250 \\ \hline \boxed{+11.738} \end{array}$$

$$\begin{array}{r} 4) \quad 3425 \\ \quad \underline{1} \\ 4.425 \\ \underline{11.000} \\ \boxed{+6.575} \end{array}$$

2 1/2  
11/08

SSRL 14-3 VERT SLIT

11-21-08  
LG MR

$$\begin{array}{r} 2) \text{ CAN } 10.7910 / 2 = 5.398 \\ 20.559 \\ \underline{5.398} \\ -25.957 \text{ LOS} \end{array}$$

|  |  |  |  |  |  |
|--|--|--|--|--|--|
| 1) 25.715  | 3) 25.547  | 4) 13.405  | 5) 19.939  | 6) 18.565  | 7) 23.023  |
| $\begin{array}{r} 1. \\ \underline{26.715} \\ -25.957 \\ \boxed{+0.758} \end{array}$ | $\begin{array}{r} 1. \\ \underline{26.547} \\ -25.957 \\ \boxed{+0.590} \end{array}$ | $\begin{array}{r} 17.619 \\ \underline{31.024} \\ -25.957 \\ \boxed{+5.067} \end{array}$ | $\begin{array}{r} 1. \\ \underline{20.939} \\ -25.957 \\ \boxed{-5.018} \end{array}$ | $\begin{array}{r} 1. \\ \underline{19.565} \\ -25.957 \\ \boxed{-6.392} \end{array}$ | $\begin{array}{r} 1. \\ \underline{24.023} \\ -25.957 \\ \boxed{-1.934} \end{array}$ |

$$\begin{array}{r} 9) 10.897 \\ 17.619 \\ \underline{28.516} \\ -25.957 \\ \boxed{+2.559} \end{array}$$

22  
11/08

## Griffin, Levirt

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**From:** Harrington, Daniel  
**Sent:** Tuesday, November 25, 2008 10:39 AM  
**To:** Griffin, Levirt  
**Cc:** Vargas, Joe L.; Peck, James W.  
**Subject:** RE: BL 14-3 Vertical Slits

Levirt,

The center of the BL14-3 mono slit tank is:

X= 4.609"  
Y= 0.000"  
Z= 576.08"

This system is located on a moving girder. The Y=0.000" value is for initial alignment only.

Thanks,

Dan

-----Original Message-----

**From:** Griffin, Levirt  
**Sent:** Friday, November 21, 2008 1:15 PM  
**To:** Harrington, Daniel  
**Subject:** BL 14-3 Vertical Slits

Good afternoon Dan,

I used the center of the tank as X=0 Y=0 & Z=0 and took roll out on the slits.

Can you send me the X,Y,Z coordinate for the center of the tank and the pitch and yaw.

Thanks,

Levirt