

Jefferson Lab Alignment Group Data Transmittal

TO: Tim Whitlatch and Brian Carpenter	[DATE :	March 18, 2004
FROM: Richard Schwartz	Checked:		# Z920

Details:

The following are the results of the SNS high beta vacuum vessel 07 inspection performed the week of March 15, 2003. A right hand coordinate system was established with the central axis running through the upstream and downstream reinforcing rings. The X axis was defined by a plane using the three top hat flanges. Positive X is to the beam left. Positive Y is up. Positive Z runs downstream with Z = 0 at the face of the upstream reinforcing ring. Values are in inches. Attached is the check sheet with measured values to the corresponding features.

X

Υ

(CRM9003000-0000, 2/5)	J		
Reinforcing Ring – Upstrear Reinforcing Ring – 2nd Reinforcing Ring – 3rd Reinforcing Ring – 4th Reinforcing Ring – 5 th Reinforcing Ring – 6 th Reinforcing Ring – Downstre		0.00 0.08 0.01 0.04 0.10 -0.05 0.00	0.00 0.02 0.06 0.07 0.09 0.08 0.00
Rail Position: (CRM9003000-0000,4/5)			
Station	Z	X	Υ
Upstream	8.20	-10.30	-15.73
Downstream	182.07	-10.17	-15.76
Top Hat Flange: (CRM9003000-0000, 4/5)	Z	X	
Upstream 2nd 3rd Downstream	40.58 56.36 149.33 165.12	0.06 0.05 0.08 0.09	

Vacuum vessel overall straightness: