

Jefferson Lab Alignment Group

DATA TRANSMITTAL

TO: Tim Whitlatch, Brian Carpenter

DATE: 02-04-02

FROM: Chris Gould

Checked: # : Z737

DETAILS:

The following are the results of the inspection of SNS vacuum vessel 01 performed the week of January 28th, 2002. 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. Values are in inches. Attached is the check sheet with measured values to the corresponding features.

Vacuum vessel overall straightness:	X	Y
Reinforcing Ring – Upstream	0.00	0.00
Reinforcing Ring – 2 nd	-0.01	-0.00
Reinforcing Ring – 3 rd	0.09	0.00
Reinforcing Ring – 4 th	0.03	0.06
Reinforcing Ring – Downstream	0.00	0.00

Rail Position in degrees (Drawing Value = 33.0) – Measurements taken at one foot increments

Station	Angle
Upstream 0'	32.14
1'	32.24
2'	32.20
3'	32.32
4'	32.64
5'	32.74
6'	32.84
7'	32.86
8'	32.99
9'	33.32
Downstream 9' 1.5"	33.37

