

# ***Jefferson Lab Alignment Group***

## **DATA TRANSMITTAL**

**TO:** E. Daly, B. Carpenter

**DATE:** May 30, 2002

**FROM:** Chris Gould

**Checked:** # : Z778

### **DETAILS:**

Below are the results of the SNS cryomodule supply end cap 02 and bridging ring survey performed on May 24, 2002. A coordinate system was established with the central axis running through the aperture of the end plate. The bayonet box was used to control roll. The end plate sealing surface was used to define Z = 0. The bridging ring results are based on stick mic measurements taken every 45 degrees clockwise looking downstream with 0-180 at 12 o'clock. Values are in inches.

Drawing Number : CRM9008010 -1072

<b>Description</b>	<b>X</b>	<b>Y</b>	<b>Z</b>
Primary Bayonet Pos.	20.07	13.77	20.69
Shield Supply Bayonet	20.02	13.77	32.63
Primary JT Position	15.01	17.41	27.72
Secondary JT Position	15.06	17.52	16.38

Drawing Number : CRM9008010 - 0000

Bayonet Box Offset	10.64	
Heat Exchanger Sup. Pipe	7.67	10.39
Heat Exchanger Ret. Pipe	5.83	11.66
Shield Supply Pipe	11.82	6.12

Drawing Number : CRM9008010 - 1004

End Plate Sealing  
Surface Flatness

0.010

Warm-to-Cold  
Beampipe Sealing  
Surface Flatness

0.008

Drawing Number : CRM9008010 – 1036 & CRM9008020 – 1100

<u>Bridging Ring</u>	<u>0-180</u>	<u>45-225</u>	<u>90-270</u>	<u>135-315</u>
0" from Vacuum Tank	42.47	42.46	42.68	42.59
6" from Vacuum Tank	42.49	42.57	X	42.57
12" from Vacuum Tank	42.44	42.52	42.51	42.51