

# ***Jefferson Lab Alignment Group***

## **DATA TRANSMITTAL**

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

**DATE:** Jun 7, 2002

**FROM:** Chris Gould

**Checked:**

**# :** Z785

### **DETAILS:**

Below are the results of the SNS cryomodule return end cap 03 and bridging ring survey performed on June 6, 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 upstream with 0-180 at 12 o'clock. Values are in inches.

Drawing Number : CRM9008020 -1115

<b>Description</b>	<b>X</b>	<b>Y</b>	<b>Z</b>
Primary Bayonet Pos.	20.26	13.81	7.70
Shield Return Bayonet	20.30	13.92	19.65
Relief Stack Position	15.18	31.59	15.63
Cool Down JT Position	20.05	36.68	29.67
Cool Down Outlet Flange	19.92	28.32	4.69

Drawing Number : CRM9008020 - 0000

Bayonet Box Offset            10.64

Drawing Number : CRM9008020 - 1028

End Plate Sealing            0.021  
Surface Flatness

Warm-to-Cold                0.007  
Beampipe Sealing  
Surface Flatness

Drawing Number : CRM9008010 – 1036 & CRM9008020 – 1100

<u>Bridging Ring 3R</u>	<u>0-180</u>	<u>45-225</u>	<u>90-270</u>	<u>135-315</u>
0" from Vacuum Tank	42.56	42.52	42.68	42.51
6" from Vacuum Tank	42.52	42.53	X	42.52
12" from Vacuum Tank	42.42	42.50	42.50	42.48