



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** Ed Daly, Brian Carpenter

**DATE :** Jan 8, 2003

**FROM:** Chris Gould

**Checked:**

**#** DT\_Z834

**Details:**

Below are the results of the SNS cryomodule return end cap10 and bridging ring survey performed on January 8, 2003. A coordinate system was established with the central axis running through the aperture of the end plate. A line was constructed through the shield bayonet 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

Description	X	Y	Z
Primary Bayonet Pos.	20.12	14.02	7.72
Shield Return Bayonet	20.16	13.95	19.74
Relief Stack Position	14.93	31.98	15.76
Cool Down JT Position	19.89	36.63	29.78
Cool Down Outlet Flange	19.94	28.26	4.74

Drawing Number : CRM9008020 - 0000

Bayonet Box Offset            10.67

Drawing Number : CRM9008020 - 1028

End Plate Sealing            0.008  
Surface Flatness

Warm-to-Cold                0.003  
Beampipe Sealing  
Surface Flatness

Drawing Number : CRM9008010 – 1036 & CRM9008020 – 1100

Bridging Ring 1036-09(10r)0-180	45-225	90-270	135-315	
0" from Vacuum Tank	42.55	42.53	42.66	42.50
6" from Vacuum Tank	42.53	42.52	X	42.53
12" from Vacuum Tank	42.45	42.51	42.50	42.44