Jefferson Lab Alignment Group
DATA TRANSMITTAL

TO: Ed Daly, Brian Carpenter **DATE:** Jul 23, 2002

FROM: Chris Gould **Checked:** **# :** Z795

DETAILS:

Below are the results of the SNS cryomodule return end cap 05 and bridging ring survey performed on July 22, 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

Description	**X**	**Y**	**Z**
Primary Bayonet Pos.	20.13	13.87	7.86
Shield Return Bayonet	20.10	13.57	19.79
Relief Stack Position	14.91	31.75	15.96
Cool Down JT Position	19.70	36.70	29.87
Cool Down Outlet Flange	20.05	27.66	4.71

Drawing Number : CRM9008020 - 0000

Bayonet Box Offset 10.75

Drawing Number : CRM9008020 - 1028

End Plate Sealing Surface Flatness 0.008

Warm-to-Cold Beampipe Sealing Surface Flatness 0.006

Drawing Number : CRM9008010 – 1036 & CRM9008020 – 1100

Bridging Ring	0-180	45-225	90-270	135-315
0" from Vacuum Tank	42.43	42.50	42.69	42.53
6" from Vacuum Tank	42.43	42.52	X	42.55
12" from Vacuum Tank	42.38	42.52	42.53	42.55