Jefferson Lab Alignment Group
DATA TRANSMITTAL

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

FROM: Chris Gould **Checked:** **# :** Z796

DETAILS:

Below are the results of the SNS cryomodule supply end cap 04 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 downstream with 0-180 at 12 o'clock. Values are in inches.

Drawing Number : CRM9008010 -1072

Description	X	Y	Z
Primary Bayonet Pos.	20.06	13.47	20.72
Shield Supply Bayonet	20.10	13.40	32.75
Primary JT Position	15.04	17.77	27.67
Secondary JT Position	15.02	17.86	16.42

Drawing Number : CRM9008010 - 0000

Bayonet Box Offset 10.69

Drawing Number : CRM9008010 - 1004

End Plate Sealing Surface Flatness 0.006

Warm-to-Cold Beampipe Sealing Surface Flatness 0.007

Drawing Number : CRM9008010 – 1036 & CRM9008020 – 1100

Bridging Ring	0-180	45-225	90-270	135-315
0" from Vacuum Tank	42.46	42.46	42.72	42.61
6" from Vacuum Tank	42.48	42.48	X	42.56
12" from Vacuum Tank	42.45	42.47	42.47	42.49