



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** Ed Daly, Brian Carpenter

**DATE :** Jan 8, 2003

**FROM:** Chris Gould

**Checked:**

**#** DT\_Z835

**Details:**

Below are the results of the SNS cryomodule supply end cap 10 survey performed on January 8, 2003. A coordinate system was established with the central axis running through the aperture of the end plate. An average line constructed between the primary and shield supply bayonets 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 : CRM9008010 -1072

Description	X	Y	Z
Primary Bayonet Pos.	20.21	13.73	20.67
Shield Supply Bayonet	20.18	13.75	32.65
Primary JT Position	15.25	17.67	27.64
Secondary JT Position	15.25	17.42	16.43

Drawing Number : CRM9008010 - 0000

Bayonet Box Offset	10.72
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Drawing Number : CRM9008010 - 1004

End Plate Sealing Surface Flatness	0.006
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Warm-to-Cold Beampipe Sealing Surface Flatness	0.004
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Drawing Number : CRM9008010 – 1036 & CRM9008020 – 1100

Bridging Ring 1036-07(10s)0-180      45-225      90-270      135-315

0" from Vacuum Tank	42.55	42.50	42.68	42.54
6" from Vacuum Tank	42.53	42.52	X	42.52
12" from Vacuum Tank	42.46	42.51	42.49	42.55