



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** G. Chen, B. Carpenter, J. Fisher

**DATE:** 09 Feb 2012

**FROM:** J. Dahlberg

**Checked:**

**# :** U1433

**DETAILS:**

Data: Inspection\12gev\Vacvessel\120123a

The attached spreadsheet below contains the results from the C100-9 vacuum vessel inspection carried out on Jan 23<sup>rd</sup> 2012. As requested, the coordinate system was established using an average plane of the top hat flanges to control the yaw and roll, and an average plane of the tuner ports to control the pitch. The center top hat flange is at  $Z = 0$ , and the XY center is set at the ideal offsets from the top hat and tuner port flanges. A +Z is downstream, a +X is to the beam left, and a + Y is up. All items which appear to be out of tolerance are highlighted in bold face. It should be noted that the tolerance values on drawing CRM-120-7090 are based on the end offset flanges and one top lockdown port for the coordinate system which is separate from what was used here.

[C100-9 VV](#)