



Jefferson Lab Alignment Group

Data Transmittal

TO: P. Hansen, M. Bevins

DATE: 25 Mar 2013

FROM: J. Dahlberg

Checked:
Matt Walker 03/27/13

: L1500

DETAILS:

Data: Inspection\Magtest\BcomVacChamber\130321a

Below are the results from the B-com vacuum chamber measurements carried out on March 21 2013. As requested, a right handed coordinate system was established for each chamber with the origin centered on the upstream flange, and the Z axis parallel to the bottom edge. +X is to the beam left, and +Z is downstream, and +Y up. Values are in inches.

AQ LOCATIONS	X	Y	Z	DIAMETER
UPSTREAM FLANGE	0.000	0.000	0.000	2.750
FLANGE 3	0.038	0.550	58.434	9.960
FLANGE 4	-0.072	9.207	59.518	4.609
CORNER PT 5	-0.691	6.502	44.132	
HOLE 1	0.044	-3.180	4.967	
HOLE 2	-0.018	-3.171	44.984	

AS LOCATIONS	X	Y	Z	DIAMETER
UPSTREAM FLANGE	0.000	0.000	0.000	9.966
FLANGE 3	-0.004	1.319	59.698	9.962
FLANGE 4	0.148	9.674	63.695	4.608
CORNER PT 5	-0.929	9.917	55.030	
HOLE 1	-0.038	-4.155	14.255	
HOLE 2	-0.044	-3.177	55.208	

AW LOCATIONS	X	Y	Z	DIAMETER
UPSTREAM FLANGE	0.000	0.000	0.000	6.750
FLANGE 3	0.074	4.256	87.232	9.967
FLANGE 4	0.259	12.368	91.295	4.607
CORNER PT 5	-0.677	12.330	78.049	
HOLE 1	0.015	-3.043	6.371	
HOLE 2	0.036	-2.251	47.424	

AX LOCATIONS	X	Y	Z	DIAMETER
UPSTREAM FLANGE	0.000	0.000	0.000	10.002
FLANGE 3	0.003	1.468	71.103	13.243
FLANGE 4	0.201	10.820	75.541	4.610
CORNER PT 5	-0.799	11.601	67.367	