



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** D. Kashy

**DATE:** 04 Sep 2015

**FROM:** Kelly Tremblay

**Checked:**

**# :** B1668

**DETAILS:**

data : inspection\hallb\torus12g\150826A

The Torus magnet was surveyed on August 25<sup>th</sup> and 26<sup>th</sup>. The data below shows the radial distance for the fiducial points from the hub line. The difference is shown with a negative value being shorter than ideal. The upstream points are to the machined tooling ball locations while the downstream points are to tooling balls that were installed during the surveys in the Torus factory. Note that Coil A upstream was not observed in this survey and downstream B and C did not have tooling balls installed. A further point to note is that some of these locations were not directly observed but were established using a offset swivel target. The accuracy of using the offset swivel target is +/- 0.1mm.

Units are millimeters			
Upstream			
Point	Survey	Ideal	delta
B	171.3	171.4	-0.1
C	172.1	171.3	0.8
D	172.5	171.3	1.2
E	171.8	171.4	0.5
F	171.2	171.4	-0.2
Downstream			
Point	Survey	Ideal	delta
A	147.5	146.7	0.8
D	147.0	146.1	1.0
E	147.5	146.2	1.3
F	147.5	146.6	0.9