



Jefferson Lab Alignment Group

Data Transmittal

TO: D. Kashy, B. Legg

DATE: 23 Feb 2015

FROM: Kelly Tremblay

Checked:

: B1599

DETAILS:

data: fiduc\hallb\torus\ccm003\150219a

CCM003 was fiducialized in Hall B Feb 18/19th 2015. Four fiducials on the coil case were used and a least squares best fit was used to determine how well the fiducials matched the design values. The coordinate system is based on the Vacuum Jacket/Coil Case drawings. The results are shown below:

	Design			Found			Delta		
	X	Y	Z	X	Y	Z	X	Y	Z
A	878.251	4230.253	0.000	878.140	4230.173	0.083	-0.111	-0.080	0.083
B*	2466.978	120.700	0.000	2466.902	120.364	-0.077	-0.076	-0.336	-0.077
C	492.163	171.500	0.000	492.228	171.535	0.111	0.065	0.035	0.111
D	-506.945	3224.684	0.000	-506.823	3224.729	-0.116	0.122	0.045	-0.116

The Y coordinate for fiducial B was allowed to float. B was not a toolingball hole but a tapped hole. A Prism was placed directly in the tapped hole.

