



Jefferson Lab Alignment Group

Data Transmittal

TO: S. Stepanyan, N. Baltzell

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FROM: Chris Gould

Checked:

: B1818

DETAILS:

M:\align\DATA\Step2A\BSY\2C_12\170914A

Below are the results of the Polarimeter Target Flange locations. The beam right flange was measured at the mating surface of the vessel to determine the offset from beam centerline to calibrate the motor encoders. Coordinates are both in the CEBAF Mechanical and a Beam Following (BFS) systems. In the BFS system a +X is beam left and a +Y is up.

	CEBAF FOUND (meters)			CEBAF IDEAL (meters)		BFS (mm)	
	Z	X	Y	X	Y	X	Y
MOLTGT_US	-361.87504	-80.59986	103.35488	-80.60000	103.35526	-0.14	-0.38
MOLTGT_DS	-362.28542	-80.59996	103.35528	-80.60000	103.35526	-0.04	0.02
MOLTGT_BR	-362.07734	-80.42131	103.35564	-80.60000	103.35526	-178.69	0.38