



# Jefferson Lab Alignment Group

## Data Transmittal

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**Checked:**

**# :** D1909

**DETAILS:**

Data: Step2B\HALLD\COMPCAL\190225a

Below are the results from the Hall D COMPCAL survey carried out on February 25<sup>th</sup>, 2019. The location of COMPCAL was taken when the hall opened up (as-found) and then when the COMPCAL was reset into the 'homed' position (homed).

The ideal and found coordinates are shown in meters relative to the CEBAF coordinate system. The beam following coordinates (bfs - millimeters) are also shown and are described as follows: Negative x is to the beam right from ideal beam looking downstream; negative y is the amount lower than beamline; negative z is amount upstream from ideal target. Positive yaw is the counter clockwise rotation about the Y axis; negative pitch is the clockwise rotation about the X axis (physics standard); positive roll is the clockwise rotation about the Z axis.

Position	Cebaf Coordinate Location [meters]			Beam Following [millimeters]			Angular Position [ degrees ]		
	X [m]	Y [m]	Z [m]	dX [mm]	dY [mm]	dZ [mm]	Yaw <sup>o</sup>	Pitch <sup>o</sup>	Roll <sup>o</sup>
Ideal	80.60000	104.70000	410.93959	-	-	-	0.00000	0.00000	0.00000
As-Found	80.59943	104.69963	410.93029	-0.57	-0.37	-9.30	0.04383	0.15327	-0.01518
Homed	80.59971	104.70013	410.93156	-0.29	0.13	-8.03	0.05042	-0.01690	-0.01948