



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** S. Stepanyan, B. Miller, E. Pasyuk, J. Brock

**DATE:** 01/27/2023

**FROM:** Elena Balan

**Checked:** SEH

**# :** B2064

**DETAILS:**

M:\align\DATA\Step2B\HALLB\Polarized Target\230125A

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Hall B polarized target, vertical raster, horizontal raster, and BPM were surveyed on 25<sup>th</sup> January 2023. The Beam Following coordinates are the offset amount from the designed (ideal) location, where positive X is the beam left, positive Y is above and positive Z is downstream from the ideal position. The delta angles are the difference from the design shown in degrees.

Component	CEBAF Coord. System			Beam Following			$\Delta$ Yaw	$\Delta$ Pitch	$\Delta$ Roll
	X[m]	Y[m]	Z[m]	X[mm]	Y[mm]	Z[mm]			
HBPOL22	-80.6004	103.3571	-398.8010	0.35	1.83	-20.56	0.0192	0.0278	-0.0450
R2H01V	-80.6002	103.3554	-393.8088	0.20	0.17	0.00	0.0112	-0.0341	0.0244
R2H02H	-80.5998	103.3554	-393.3001	-0.18	0.15	0.00	0.0358	-0.0057	0.0092
IPM2H01	-80.6002	103.3554	-389.6595	0.16	0.09	0.00	0.0086	-0.0009	-0.0295