



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** S. Stepanyan, J. Brock, B Miller, M. Munoz

**DATE:** 21 Mar 2024

**FROM:** Elena Balan

**Checked:** CWG

**# :** B2096

**DETAILS:**

M:\align\DATA\Step2A\HALLB\SACLAY 2024\240316A  
M:\align\DATA\Step2A\HALLB\SACLAY 2024\240315A

Hall B RGE target was surveyed in March 2024. 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, in a right-hand rule. D Yaw is a positive counter-clockwise about the Y axis; d Pitch is counterclockwise about the X axis; d Roll is positive about the Z axis.

Component	CEBAF Coord. System			Beam Following			Angles [deg.]		
	X[m]	Y[m]	Z[m]	dx[mm]	dy[mm]	dz[mm]	ΔYaw	ΔPitch	ΔRoll
Hall Center	-80.60000	103.35526	-400.09480						
2CM Target Cell RGE	-80.60012	103.35531	-398.76118	0.12	0.05	-60.35	-0.0461	-0.0174	-0.0122
Solid Target Estimate				0.25	0.47		-0.1223	0.0464	2.9993

