



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** S. Stepanyan, B. Miller, C. Wiggins, D. Insley

**DATE:** 09/03/2021

**FROM:** Elena Balan

**Checked:**

**# :** B2003

**DETAILS:**

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DATA\Step2B\HALLB\TARGET\SACLAY\SOLID\200204A

The upstream HPS 2021 run components were surveyed on August 13<sup>th</sup>, 2021.

The ideal and found coordinates are shown in meters relative to the CEBAF coordinate system. The beam following coordinates (millimeters) are also shown and are described as follows: Positive x is to the beam left from ideal beam looking downstream; Positive y is the amount lower than beamline; negative z is amount upstream from the ideal position.

The tagger dipole (TAGGERB) coordinates were surveyed in 2020.

	CEBAF measured			dx bfs[mm]	dy bfs[mm]	dz bfs[mm]
	X[m]	Y[m]	Z[m]			
<b>TAGGERB ( Dipole )</b>	-80.59966	103.35508	-398.79210	-0.34	-0.18	-29.43
<b>MQA2H00 ( QA )</b>	-80.59994	103.35529	-386.67569	-0.06	0.03	5.89
<b>MQB2H01 ( QB )</b>	-80.59999	103.35534	-390.31417	-0.01	0.08	55.86
<b>IPM2H01 ( nABPM )</b>	-80.59984	103.35507	-390.77778	-0.16	-0.19	-271.09
<b>IHA2H01 ( HallB-PMT )</b>	-80.59995	103.35480	-391.73945	-0.05	-0.46	41.77