



Jefferson Lab Alignment Group

Data Transmittal

TO: Dave Gaskell

DATE: 05 Sep 2023

FROM: Chris Gould

Checked:

: C2084

DETAILS:

M:\align\DATA\Step2B\BSY\3C_12\230831A

Below are the results of the recent HC diagnostic girder survey. The upstream and downstream flanges were measured to define the location of the BPM's. Coordinates are relative to the Hall C target. A positive X is to the beam left of the target, a positive Y is above and a negative Z is upstream of the target. Values are in mm and degrees.

	X	Y	Z	PITCH(Rx)	YAW(Ry)	ROLL(Rz)
IHA3H07A	0.03	-0.24	-2950.93	0.0088	-0.0879	-0.0218
IHA3H07B	0.01	0.01	-1546.27	-0.0365	-0.0080	-0.0016
IPM3H07A_US	-0.04	-0.47	-3310.44			
IPM3H07A_DS	-0.04	-0.26	-3094.03			
IPM3H07B_US	-0.77	-0.50	-2354.61			
IPM3H07B_DS	-0.99	-0.65	-2137.86			
IPM3H07C_US	-0.30	0.03	-1315.19			
IPM3H07C_DS	-0.60	0.00	-1171.99			
US_TGT_FLANGE	-0.44	2.02	-582.12			