



Jefferson Lab Alignment Group

Data Transmittal

TO: D. Meekins

DATE: 08/15/2018

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Checked:

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DETAILS:

Data: Step2B\HALLC\Target\180808A

Below are the results of the 08/08/2018 Hall C target survey. The upstream loop positions were determined by measuring the downstream face of the target block and projecting the location of the adjacent flange to it. The loop position at target centerline was calculated by shifting the upstream loop location normal to the block face the found distance. The ideal Z value of the downstream target block face is 103.02mm to target centerline (DWG TGT-301-1001-0110). The results are relative to a beam-following coordinate system; +X is left of beam, +Y is above beam, +Z is downstream. Angles are reported using the right-hand rule; +Pitch is a counter-clockwise rotation looking from left, +Yaw is a counter-clockwise rotation looking from above.

	X	Y	Z
LOOP1_4CM	-0.83	-0.39	-103.01
LOOP1_4CM Proj. Tgt CL	-0.68	-0.47	0.00
LOOP1_10CM	-0.59	-0.22	-103.04
LOOP1_10CM Proj. Tgt CL	-0.43	-0.32	0.00
LOOP2_10CM	-0.17	-0.24	-103.08
LOOP2_10CM Proj. Tgt CL	-0.07	-0.28	0.00
LOOP3_10CM	0.30	-0.67	-103.07
LOOP3_10CM Proj. Tgt CL	0.44	-0.65	0.00
CARBON HOLE	0.82	-0.45	
CARBON HOLE Repeat	0.79	-0.44	
LOOP2 10CM Repeat	-0.24	-0.26	-103.06
	Yaw°	Pitch°	Z
10cm Dummy	0.0171	0.0996	
Solid Targt Ladder	0.0930	0.1073	-0.19