



Jefferson Lab Alignment Group

Data Transmittal

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FROM: J. Dahlberg

Checked:

: A1278

DETAILS:

Data: 2B\HallA\PREX\100316a,100408a

Below are the results from the PREX target ladder survey carried out on March 16th along with the as-found vertical check on April 8th. The Z, X, Y coordinates are given in millimeters in a beam following system based on the ideal target location. A +X is to the beam left, A +Z is downstream, a +Y is up. A +yaw is counter clockwise looking from above, a +pitch is ccw looking from the beam right, and a +roll is cw looking from upstream.

LOCATION	Z	X	Y	YAW	PITCH	ROLL
Upper support frame		-0.35		+0.007	+0.050	+0.888
Optics dnst face	2.32					
Optics top face			6.61			
Upper Pb target		-1.15	0.11			
Center Pb target		-0.63	-0.10			
Lower Pb target		-0.07	0.18			
Dnst face sol tgt ladder	-2.15			+3.995	+0.136	
Upper Pb target repeat		-1.01	0.08			

APRIL 8TH SURVEY:

LOCATION	Z	X	Y
Carbon target			-0.23
Carbon target repeat			-0.10
Optics sled			-0.18