



Jefferson Lab Alignment Group

Data Transmittal

TO: J. Gomez, D. Meekins, J. LeRose

DATE: 10 Apr 2007

FROM: James Dahlberg

Checked:

: A1105

DETAILS:

Data: step2b\HALLA\TARGET\2007\070406A

Below are the results from the Hall A target survey performed April 5th, 2007. A +X is beam left from ideal target centerline, a +Y is above, and a +Z is downstream. A +pitch is counter clockwise looking from the beam right, a +yaw is ccw from above, and a +roll is cw looking from upstream. Values are in millimeters and degrees. The collimator Z locations are to the upstream and downstream knife edges, and the X locations are to the beam left outside surfaces (measured 6.38mm from the inside edge with a caliper). The solid target ladder was measured at the center aperture and downstream face.

COMPONENT	Z	X	Y	Yaw	Pitch	Roll
Top target:						
target cell	-0.03	-0.35	0.20	0.162°	0.300°	-0.017°
upstream collimator	14.10	37.36		-0.350°		0.237°
downstream collimator	115.92	21.24		-0.571°		-0.097°
Bottom target:						
target cell	2.89	-1.50	-0.50	-0.148°	0.234°	0.273°
upstream collimator	15.33	37.39		-0.164°		-1.257°
downstream collimator	114.39	22.53		-0.370°		0.017°
Top target repeat:						
target cell	-0.14	-0.26	0.03	0.118°	0.304°	0.084°
Solid target ladder:						
target frame	2.11			-0.479°	0.233°	
carbon target		-0.20	-0.09			