



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** J.P. Chen, Y. Qiang, J. LeRose

**DATE:** 22 Apr 2009

**FROM:** James Dahlberg

**Checked:**

**# :** A1227

**DETAILS:**

data: Step2b\HallA\Target\2009\090413a

Below are the results from the Hall A target ladder survey carried out on Apr 10, 2009. A + X is beam left from ideal, a + Y is above, and +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.

<b>LOCATION</b>	<b>Z</b>	<b>X</b>	<b>Y</b>	<b>YAW</b>	<b>PITCH</b>	<b>ROLL</b>
Reference cell	1.15	-1.48	1.29	-0.085	-0.076	-0.301
Optics cell	1.19	-1.04	1.21	-0.084	-0.105	-0.304
Working cell	0.85	-0.65	1.53	-0.065	-0.099	-0.448
Ref. cell repeat	1.15	-1.48	1.29	-0.087	-0.076	-0.296