



## Data Transmittal

**TO:** D. Kashy, N. Okay

**DATE:** 05 Feb 2009

**FROM:** J. Dahlberg

**Checked:** kt

**# :** B1216

**DETAILS:**

Data: step2a\hallb\Poltgt\090130a  
step2b \hallb\dvcs09\090203a

Below are the results from the Hall B target/beam line survey carried out on Feb 03, 2009. A +Z is downstream from ideal, a +X is to the beam left, and 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. Values are in millimeters and degrees. **Note:** Because of beam line obstructions, temporary survey fiducials on the support cart had to be used for target alignment. Also, the calorimeter fiducial data came from a DVCS target drawing dated 18 Feb 2005 (no drawing #). The error between the as-set alignment data and the fiducial data for the calorimeter is approximately 0.5 millimeters. The RMS for the beam line position of the target and calorimeter is approximately 1 millimeter.

LOCATION	Z	X	Y	YAW	PITCH	ROLL
IPM2H01(bpm box)	----	0.3	-0.3	0.003	-0.009	-0.026
TARGET	0.2	0.6	-0.3	0.000	-0.006	0.016
DVCS Calorimeter	0.8	0.5	-0.5	0.045	-0.184	-0.023