



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** M. Jones, N. Okay, S. Wood

**DATE:** 17 Dec 2008

**FROM:** J. Dahlberg

**Checked:**

**# :** C1205

**DETAILS:**

DATA: STEP2B\HALLC\SANE\081016A, 081027A\081216A-B  
STEP2B\HALLC\Target\081216A

Below are the results from the surveys carried out on the Hall C 4.7 GeV chicane, polarized target rotated at 80 degrees, and the SANE components at 40 degrees off the main beam line. Values are relative to ideal beam position with a +X to the beam left, a +Z downstream, and a +Y 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. The Lucite detector is derived from the original fiducial data before it was disassembled, the Z value is from the target center.

LOCATION	Z	X	Y	YAW	PITCH	ROLL
IPM3C20		0.0	-0.1			
IPM3H00		0.1	0.3			
BZ3H05	0.8	0.0	0.1	0.051	-0.021	0.020
BCM		0.0	-0.5			
BPM1		0.3	0.0			
SH1		0.4	0.5			
Yag		0.5	0.4			
BPM2		-0.2	0.0			
SH2		0.1	-0.2			
Sem		0.0	-0.3			
Target	0.4	-0.1	-0.5	-0.011	-0.014	-0.027
Hodoscope	-11.1	0.1	-0.8	-0.076	-0.709	-0.001
Cerenkov	3.9	-0.3	-4.4	0.087	0.106	0.057
Lucite det.	2535.7	3.3	-9.0	-1.776	-0.412	-0.015
BigCal det.	4.2	4.5	-2.0	0.019	-0.223	0.017