



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** D. Gaskel

**DATE:** 20 Apr 2007

**FROM:** J. Dahlberg

**Checked:** CJC

**# :** C1106

**DETAILS:**

Data: 2b\HallC\G0\070403a+ 070409 field notes.

Below are the results from the April, 07 G0 post run survey. With the exception of the Ferris wheel, all components remained at the same distance from the hall pivot as reported in DT#C1069 prior to running the experiment. The Ferris wheel was measured at 38 millimeters upstream from the previous position. For the values below, a +X is to the beam left, a +Y is above ideal beamline, and +Z is downstream from the pivot. 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. It must be noted that the beam pipe attached to the Halo and G0 girders was held into position with supports on the shielding blocks. The shielding blocks were removed prior to this survey. The two girders most likely moved significantly when the shielding was removed.

LOCATION		X	Y
PIVOT GIRDER	IPM3H00A	0.32	0.35
	IHA3H00	0.20	0.13
	IPM3H00B	0.11	0.16
	IPM3H00BB	0.57	0.27
	ITV3H00	0.13	0.28
	IHA3H00A	0.34	0.38
	IPM3H00C	0.32	0.47
	IBC3H00	0.39	-0.32
	VBV3H00B	0.79	-0.70
	HALO GIRDER	IHM3HG0	4.04
IBC3HG0		4.21	1.65
G0 GIRDER		IPM3HG0A	2.44
	IHA3HG0	1.28	1.17
	IOR3HG0	3.17	-0.57
	IHA3HG0A	1.32	1.61
	IPM3HG0B	0.66	0.68

LOCATION	Z	X	Y	YAW	PITCH	ROLL
TARGET		5.17	-2.49	0.156	0.020	-0.652
FW	19399.0	-0.78	-0.21	-0.032	0.011	0.007
SMS		0.37	-0.22	0.018	0.000	-0.001
DC1	20195.9	-1951.4	-6.7	-28.25	0.92	-0.09
DC2	20108.2	-1902.2	-8.0	-28.25	0.92	-0.09