



# Jefferson Lab Alignment Group

## Data Transmittal

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**FROM:** Chris Curtis

**Checked:**

**# :** A1029

### DETAILS:

Below are the results of the first three position surveys for the Hall A Big Hand detector. Four fiducials on each side of the detector were shot (labeled clockwise from bottom left), together with the central plumb bob point ("Ctr"). Coordinates are in millimeters based on the ideal target location as origin. Positive Z is downstream along the beamline, positive X is to the beam right, and positive Y is up.

#### **Position #1 – Left Outer Rail (2A\HallA\060106B)**

	<b>Z(mm)</b>	<b>X(mm)</b>	<b>Y(mm)</b>
CTR1	9649.9	5155.3	-2510.0
HABHA	10996.1	3557.2	-1341.2
HABHB	10994.1	3555.4	901.5
HABHC	12231.0	4272.8	897.5
HABHD	12220.4	4274.4	-1340.9
HABHE	10169.5	7809.9	-1325.3
HABHF	10167.9	7802.0	916.1
HABHG	8945.1	7090.0	917.1
HABHH	8939.2	7086.7	-1325.4

#### **Position #2 – Right Outer Rail (2A\HallA\060106C)**

CTR2	9889.7	4736.9	-2509.8
HABHA	11233.8	3137.6	-1340.5
HABHB	11230.9	3135.8	902.2
HABHC	12468.4	3852.1	898.8
HABHD	12458.9	3853.6	-1339.6
HABHE	10411.1	7391.0	-1324.9
HABHF	10408.5	7383.1	916.4
HABHG	9184.9	6672.3	916.9
HABHH	9180.1	6668.9	-1325.6

#### **Position #3 – Center Rail (2A\HallA\060106A)**

CTR3	6682.7	4803.9	-2512.9
HABHA	8027.3	3209.1	-1338.1
HABHB	8021.5	3212.3	904.6
HABHC	9258.3	3929.8	901.1
HABHD	9251.4	3926.7	-1337.3
HABHE	7198.1	7460.8	-1332.8
HABHF	7192.1	7457.2	908.7
HABHG	5969.2	6745.2	908.5
HABHH	5968.2	6737.2	-1334.1