Jefferson Lab Alignment Group

Data Transmittal

TO: Eugene Chudakov, Bogdan Wojtsekhowski, John LeRose		**DATE:** 22 Feb 2006
FROM: Chris Curtis	**Checked:**	**# :** A1041

DETAILS: Data: m:\algin\data\step2b\halla\bigbite\060214a

Given below are the results of the Big Bite detector survey carried out on February 14th, 2006. The center of each of the three chambers is shown, together with the four corners of each detector plane. This information is derived from the as found location survey of the external fiducials (Feb 14th), and the fiducialization survey carried out after the planes were shimmed on December 22nd. Some distortion of the external fiducials was apparent between these two surveys. The coordinates are in millimeters, with the Hall A target as origin, +z being downstream along the main beamline, +x being transverse beam left, and +y being up with respect to gravity (not pitched).

	Z	X	Y
Ch1 Center	1256.2	-1872.4	167.1
Ch1 Bot L	1682.0	-1776.7	-717.4
Ch1 Top L	1506.5	-1516.4	1052.2
Ch1 Bot R	1005.9	-2228.4	-718.0
Ch1 Top R	830.5	-1968.1	1051.5
Ch2 Center	1453.4	-2167.2	221.3
Ch2 Bot L	1989.4	-2063.2	-970.0
Ch2 Top L	1756.6	-1710.7	1411.8
Ch2 Bot R	1150.4	-2623.7	-969.1
Ch2 Top R	917.3	-2271.4	1412.6
Ch3 Center	1640.2	-2450.9	289.5
Ch3 Bot L	2174.7	-2348.2	-902.9
Ch3 Top L	1945.5	-1993.1	1479.3
Ch3 Bot R	1334.8	-2908.9	-900.9
Ch3 Top R	1105.8	-2553.5	1482.3