



Jefferson Lab Alignment Group

Data Transmittal

TO: S. Mandal, B. Miller

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Checked: Matt Walker 1/24/13

: B1490

DETAILS:

Data: Insp\HallB\FwdCarriage\130109a

Attached is a spreadsheet containing the corner points located on the Hall B forward calorimeter and carriage frame during the week of Jan 7th. Values are in meters and are relative to ideal 6gev CLAS center. A +X is to the beam left, a +Y is up, and a +Z is downstream. The corner points were constructed using planes measured on the associated surfaces. Within the local survey, it is estimated that the calorimeter data is accurate to within 1mm, and the I-beam data around 3mm because of the rough surfaces. The overall survey relative to CLAS is based on control monuments which have not been defined in several years. This along with the recent activity in the hall makes it difficult to determine the accuracy relative to CLAS. Based on these factors and the survey fit seen between monuments, this uncertainty could be as much as 3 to 4 millimeters.

[HB CALORIMETER](#)