

## Jefferson Lab Alignment Group

**Data Transmittal** 

TO: B. Sawatzky, J. Butler

DATE: 10/21/2016 Checked: (cwg) #: A1739

FROM: Kelly Tremblay

DETAILS:

Data: Aalign\Electron&sh\2016\E102016A

Below are the results from the survey of the left spectrometer on October 20<sup>th</sup>, 2016. The horizontal pointing value shows how much the central axis of the spectrometer misses the ideal target. This value is perpendicular to the spectrometer axis, not along the beam line. For the vertical pointing, a positive value indicates that the spectrometer is pointing above the target.

For a graphical representation, please see the sketch at the end of this transmittal

The central ray of the spectrometer is at 137.999 degrees The central ray is missing the defined target center by 1.07 [mm] Downstream and -1.98 mm vertically [positive value is up]

If the offset is corrected by secondary alignment, the spectrometer will be at -42.008 degrees

To achieve this optimal setting make the following adjustments: spectrometer will be at -42.008 degrees Horizontal corrections: Move rear jacks along tangent 1.09 mm Downstream

9 Par Aposter Val : 0.13 (mm) No 3DD output file available to report std. dev

