



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** J.P. Chen; J. Zhang; J. LeRose

**DATE:** 18 Jun 2012

**FROM:** Chris Curtis

**Checked:**

**# :** A1463

**DETAILS:**

Data:Aalign\Electron&sh\2012\E052912a  
Aalign\Hadron\2012\H053012a

Below are the results from the survey of the left spectrometer on May 29<sup>th</sup>, and of the right spectrometer on May 30<sup>th</sup>, 2012. 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 beamline. For the vertical pointing, a positive value indicates that the spectrometer is pointing above the target.

===== RESULTS – LEFT ===== E052912A

The central ray of the spectrometer is at -12.498 degrees.  
It is missing the defined target center by 1.83 mm upstream,  
and -0.40 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the spectrometer will be at -12.510 degrees.

\*.9PR : 0.126(mm)    \*.3DD : 2.73

===== RESULTS – RIGHT ===== H053012A

The central ray of the spectrometer is at 12.523 degrees.  
It is missing the defined target center by 2.82 mm downstream,  
and -0.44 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the spectrometer will be at 12.504 degrees.

\*.9PR : 0.229(mm)    \*.3DD : 2.05