



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** Ed Folts

**DATE:** 07 Mar 2014

**FROM:** Kelly Tremblay

**Checked:** (cjc)

**# :** A1552

**DETAILS:**

Data: Aalign\Electron&sh\201\E030614A

Below are the results from the survey of the left spectrometer on March 6<sup>th</sup>, 2014. 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 ===== E030614A

The central ray of the spectrometer is at -39.982 degrees

The central ray is missing the defined target center by 1.11 [mm] Downstream  
and -1.32 mm vertically [positive value is up]

If the offset is corrected by secondary alignment, the spectrometer will be at -39.989 degrees

To achieve this optimal setting make the following adjustments:

Horizontal corrections:

Move rear jacks along tangent 1.13 mm Downstream

9 Par Aposter Val : 0.12 (mm)

3dd stdev : 1.30

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