



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** D. Higinbotham, E. Folts, J. LeRose

**DATE:** 17 Feb 2011

**FROM:** J. Dahlberg

**Checked:**

**# :** A1379

**DETAILS:**

Data:Aalign\Hadron\2011, Electron&sh\2011

Below are the results from the survey of the right and left spectrometers carried out on the 4<sup>th</sup> and 7<sup>th</sup> of this month. 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 ===== H020411A (Right)

The central ray of the spectrometer is at 12.523 degrees.  
It is missing the defined target center by 2.83 mm downstream,  
and -0.66 mm vertically (positive = up).

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

\*.9PR : 0.219(mm)    \*.3DD : 1.23

===== RESULTS ===== E020711A (Left)

The central ray of the spectrometer is at -16.489 degrees.  
It is missing the defined target center by 2.31 mm upstream,  
and 0.54 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the  
spectrometer will be at -16.504 degrees.

\*.9PR : 0.105(mm)    \*.3DD : 2.12