

# Jefferson Lab Alignment Group

## DATA TRANSMITTAL

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**DATE:** 17 April 2001

**FROM:** C.J. Curtis

**Checked:**

**# :** A667

### DETAILS:

Below are the results from the spectrometer pointing surveys carried out on the Electron and Hadron arms on April 16<sup>th</sup>.

#### ===== RESULTS ===== H041601B

The central ray of the spectrometer is at 18.369 degrees.  
It is missing the defined target center by 2.67 mm downstream,  
and .05 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the  
spectrometer will be at 18.351 degrees.

\*.3dd = 1.61          \*.9pr = 0.13

#### ===== RESULTS ===== E041601A

The central ray of the spectrometer is at -21.188 degrees.  
It is missing the defined target center by 2.75 mm upstream,  
and .45 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the  
spectrometer will be at -21.206 degrees.

\*.3dd = 1.27          \*.9pr = 0.09

<b>Superharps</b>	<b>DX</b>	<b>DY</b>	<b>locations in mm (+ is beam left)</b>
SH1H01A	0.05	0.12	
SH1H01B	0.10	0.08	
SH1H01C	0.16	0.08	
SH1H02A	-0.07	0.15	
SH1H02B	-0.02	0.17	
SH1H02C	0.03	0.25	