

# Jefferson Lab Alignment Group

## DATA TRANSMITTAL

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**DATE:** 30 May 2001

**FROM:** C.J. Curtis

**Checked:**

**# :** A671

### DETAILS:

Below are the results from the spectrometer pointing surveys carried out on the Hadron and Electron arms on May 24<sup>th</sup> and 29<sup>th</sup> respectively.

===== RESULTS ===== H052401A

The central ray of the spectrometer is at 19.998 degrees.  
It is missing the defined target center by 0.43 mm upstream,  
and -0.10 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the spectrometer will be at 20.001 degrees.

\*.3dd = 1.94      \*.9pr = 0.12

===== RESULTS ===== E052901A

The central ray of the spectrometer is at -19.985 degrees.  
It is missing the defined target center by 2.29 mm upstream,  
and 0.47 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the spectrometer will be at -20.001 degrees.

\*.3dd = 1.31      \*.9pr = 0.11

<b>Superharps</b>	<b>DX</b>	<b>DY</b>	<b>locations in mm (+ is beam left)</b>
SH1H01A	-0.04	0.18	
SH1H01B	0.02	0.14	
SH1H01C	0.02	0.14	
SH1H02A	-0.11	0.15	
SH1H02B	-0.05	0.18	
SH1H02C	-0.03	0.22	