Jefferson Lab Alignment Group

DATA TRANSMITTAL

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FROM: Chris Curtis **Checked:** **# :** A760

DETAILS:

Below are the results from the spectrometer pointing and superharp surveys carried out on the Electron (left) arm on April 17th, 2002. For the superharps, the values represent the difference in millimeters from the ideal position of each fiducial. A positive X value is to the beam left, a positive Y is too high.

=============== RESULTS =============== E041702A

The central ray of the spectrometer is at -64.968 degrees.
It is missing the defined target center by 2.89 mm upstream,
and -1.84 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at 295.013 degrees.

*.9PR : 0.133 *.3DD : 1.30

=============== RESULTS =============== E041702B

The central ray of the spectrometer is at -44.984 degrees.
It is missing the defined target center by 1.40 mm upstream,
and -1.32 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the
spectrometer will be at 315.007 degrees.

*.9PR : 0.099 *.3DD : 1.48

Superharps

	E041702B		
	DX	**DY**	**locations in mm (+ is beam left)**
SH1H01A	0.21	0.33	
SH1H01B	0.27	0.36	
SH1H01C	0.30	0.36	
SH1H02A	0.12	0.31	
SH1H02B	0.22	0.44	
SH1H02C	0.24	0.39	