Jefferson Lab Alignment Group

DATA TRANSMITTAL

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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 24th and 29th 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

Superharps	**DX**	**DY**	**locations in mm (+ is beam left)**
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	