

# Jefferson Lab Alignment Group

## DATA TRANSMITTAL

**TO:** J. Gomez, J. Mitchell, A. Saha, J. LeRose

**DATE:** 1 August, 2000

**FROM:** S. Hardisty

**Checked:** # : A622

**DETAILS:**

Below are the results from the spectrometer pointing and superharp surveys carried out on the Electron arm on August 1, and the Hadron arm on August 2. The superharp results from 07/06/00 are also given for reference.

===== RESULTS ===== E080100a

The central ray of the spectrometer is at -14.102 degrees.  
It is missing the defined target center by .87 mm upstream,  
and -.28 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the  
Spectrometer will be at -14.108 degrees.

\*.3dd= 1.21      \*.9pr= 0.13

===== RESULTS ===== H080200b

The central ray of the spectrometer is at 54.202 degrees.  
It is missing the defined target center by .90 mm upstream,  
and 1.20 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the  
spectrometer will be at 54.208 degrees.

\*.3dd= 1.39      \*.9pr= 0.14

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

	E0706		E0801		Opt. Tooling (0801)
	DX	DY	DX	DY	DX
1a	0.12	-0.18	0.11	-0.20	
1b	0.19	-0.15	0.21	-0.19	0.00
1c	0.21	-0.13	0.22	-0.14	
2a	-0.25	-0.19	-0.38	-0.23	
2b	-0.12	-0.15	-0.30	-0.22	-0.22
2c	-0.19	-0.08	-0.29	-0.17	

