

Jefferson Lab Alignment Group

DATA TRANSMITTAL

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Checked: # A607

DETAILS:

Below are the results from the spectrometer pointing and superharp surveys carried out on the Hadron arm on June 5, and the Electron arm on June 6. The superharp results from 05/18/00 are also given for reference.

===== RESULTS ===== H060500a

The central ray of the spectrometer is at 49.725 degrees.
It is missing the defined target center by .82 mm upstream,
and .58 mm vertically (positive = up).

If the offset is corrected by secondary alignment, the spectrometer will be at 49.730 degrees.

*.3dd = 1.14 *.9pr = 0.11

===== RESULTS ===== E060600a

The central ray of the spectrometer is at -14.100 degrees.
It is missing the defined target center by 1.19 mm upstream,
and -.20 mm vertically (positive = up).

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

*.3dd = 1.00 *.9pr = 0.11

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

	E0518		E0606		Opt. Tooling (0606)
	DX	DY	DX	DY	DX
1a	-0.08	-0.16	0.12	-0.08	
1b	-0.04	-0.13	0.18	-0.10	0.04
1c	-0.01	-0.11	0.18	-0.07	
2a	-0.36	-0.22	-0.28	-0.14	
2b	-0.26	-0.23	-0.21	-0.14	-0.09
2c	-0.20	-0.17	-0.18	-0.09	