



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** Michelle Shinn

**DATE :** May 8, 2003

**FROM:** Chris Curtis

**Checked:**

**#** F864

### Details:

Below are the as-set locations for the laser alignment irises in the FEL. These are the recorded locations for the irises following alignment. Each iris was surveyed using three theodolites. Iris 4F1X is at the start of the 4F region, 4F2X is upstream of the high resolution can, and 4F3X is downstream of the output coupler. Coordinates are in meters, DX and DY are in millimeters.

Target	Z	X	Y	DX	DY
IRS4F1X	36.56894	14.59992	104.99998	-0.08	-0.02
IRS4F2X	59.05084	14.59992	104.99976	-0.08	-0.24
IRS4F3X	96.51039	14.59981	105.00006	-0.19	0.06
IRS5F1X	94.81915	19.99993	104.99997	0.07	-0.03