



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** R. Kazimi, J. Grames, M. Polker

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**FROM:** J. Dahlberg

**Checked:**

**# :** L1330

**DETAILS:**

Data: Step2B\Inj\100827A

Below are the results from the Aug 27, 2010 survey carried out on the wien filter #2 girder. A +X is to the beam left from ideal, a +Y is up, and a +Z is downstream. The Z values are based on the ideal center of the wien filter at -257.2669 M in the CEBAF machine coordinate system. Values are in millimeters. Values for the aperture 1 hole locations are calculated using the pre-alignment data taken in the lab.

LOCATION	Z	X	Y
BPM1 upst flange	-977.46	1.20	0.70
BPM1 dnst flange	-813.02	0.73	-0.46
BPM2 upst flange	-662.20	0.67	-1.20
BPM2 dnst flange	-497.03	0.18	-1.10
Viewer 1 upst flange	-497.06	0.28	-0.81
Viewer 1 dnst flange	-397.06	-0.03	-0.42
Aperture1 support center	-310.15	0.01	-0.28
Aperture1 1mm hole		-0.02	-0.24
Aperture1 2mm hole		0.11	-0.29
Aperture1 4mm hole		-0.05	-0.31
Wien filter center	-3.71	0.38	0.23
BPM3 upst flange	208.73	0.12	0.21
BPM3 dnst flange	387.20	0.84	-0.25
Viewer 2 upst flange	501.69	0.45	-0.49
Viewer 2 dnst flange	601.69	0.57	-0.43
Aperture2 upst flange	626.05	0.64	-0.31
Aperture2 dnst flange	626.05	0.47	-0.04
BPM4 upst flange	726.17	0.78	-0.20
BPM4 dnst flange	890.73	0.08	-0.53