



# Jefferson Lab Alignment Group

## Data Transmittal

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**Checked:**

**#** A863

### Details:

Below are the results of the septum magnet alignment at the 9 degree position, carried out in Hall A on 21<sup>st</sup> March, 2003, and the as-found survey at the 6 degree position carried out on April 21<sup>st</sup>. The results show the differences from ideal location for the visible fiducials on the magnet. Since these are not evenly located around the magnet, a reduction to the center has been carried out, and these deltas are also shown. The values are in millimeters in a beam following system, with +Z being downstream, +X to the beam left, and +Y up. The coordinates of the ideal values are also shown for reference and are based on the original target center.

<b>Point</b>	<b>DZ</b>	<b>DX</b>	<b>DY</b>
H9SEP03	-1.67	1.27	0.19
H9SEP04	-1.86	1.12	0.20
H9SEP05	-2.04	-0.08	0.27
H9SEP09	-1.08	0.59	0.62
H9SEP10	-2.20	0.51	0.16
H9SEP11	-2.28	-0.62	0.14
Found Ctr.	-1.16	0.12	0.57
Ideal Ctr.	757.12	-287.87	0.00
H6SEP04	1.15	-0.51	-0.18
H6SEP05	1.30	-0.36	-0.58
H6SEP10	1.45	-0.98	-0.11
H6SEP11	1.62	-0.68	-0.66
Found Ctr.	1.21	-0.62	-0.21
Ideal Ctr.	719.57	-200.69	0.00