

Jefferson Lab Alignment Group

DATA TRANSMITTAL

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DATE: 13 June 2001

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Checked: # : B675

DETAILS:

Below are the results of the Hall B PrimeX mapper probe survey performed on 14, May 2001. The offsets locating the sensor to the probe frame using the microscope have been included in this data. The values are relative to the magnet centerline in a right handed coordinate system with +Z downstream, +X to the beam left, and +Y above center. Note that the bottom sensor was changed from the original position and the values below are to the new location which is 31.54 mm upstream, and 25.49 mm below the top beam right corner of the probe frame.

The following measurements are with the probe mounted on the beam right side of the mapper extrusion.

PROBE / LOCATION	Z	X	Y
Top / Downstream beam left	909.6	106.6	21.6
Middle / Downstream beam left	928.4	107.1	1.2
Bottom / Downstream beam left	918.3	108.3	-24.3

The following measurements are with the probe mounted on the beam left side of the mapper extrusion.

PROBE / LOCATION	Z	X	Y
Top / Downstream beam left	909.4	195.1	22.6
Middle / Downstream beam left	928.2	195.4	2.3
Bottom / Downstream beam left	918.8	196.4	-23.2
Middle / Downstream beam right	929.3	-59.2	2.3
Middle / Upstream beam right	-825.8	-63.9	1.6
Top / Upstream beam left	-845.8	190.0	22.1