# *Jefferson Lab Alignment Group*
## DATA TRANSMITTAL

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| **TO:** J. Gomez, J. LeRose | | **DATE:** 2001.10.16 | |
| **FROM:** Kelly Tremblay | | **Checked:** | **# :** A711 |

**DETAILS:**

The encoder ring for the Hall A spectrometers, was surveyed on October 15, 2001. Five foil targets were placed on the outer edge of the ring and surveyed using the Hall A survey control points. The five targets were placed on the beam left side from approximately +77° to +168° azimuth from the beamline (right hand rule, following along beam is 0° azimuth). A circle fit was then used to determine the center and radius of the encoder ring.

Relative to Hall's coordinate system (origin, hall center, positive z along beam, right handed system) the coordinates of the encoder center are :

Z = -0.25 mm X = -0.24 mm

The radius was determined to be 1.007 meters.