# Jefferson Lab Alignment Group

## Data Transmittal

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|---|---|---|
| **TO:** Michelle Shinn | | **DATE :** Jan 15, 2003 |
| **FROM:** Chris Gould | **Checked:** | **#** DT_F837 |

**DETAILS:**

Below are the results of the High Reflective and Outcoupler rail assembly survey performed December 13, 2002. The values represent the location relative to the ideal centerline of the can with respect to the updated network. The horizontal position of the rails was defined by measuring four circles projected to the ZX plane at both top and bottom of the upstream and downstream rails. A vertical reference was established by measuring the plane made at the top of each rail. Positive Z is downstream, positive X is to the beam left and positive Y is up. Values are in millimeters.

| **High Reflective** | **Z** | **X** | **Y** |
|---|---|---|---|
| Ideal | -92.33 | 225.43 | |
| Upstream Top | -92.36 | 225.57 | |
| Upstream Bottom | -92.31 | 225.45 | |
| | | | |
| Ideal | 92.33 | 225.43 | |
| Downstream Top | 92.14 | 225.49 | |
| Downstream Bottom | 92.18 | 225.47 | |
| | | | |
| Ideal | | | 599.83 |
| Vertical Ref. Upstream | | | 599.81 |
| | | | |
| Ideal | | | 598.97 |
| Vertical Ref. Downstream | | | 598.94 |
| | | | |
| **Outcoupler** | | | |
| Ideal | -92.33 | 225.43 | |
| Upstream Top | -92.04 | 225.40 | |
| Upstream Bottom | -92.23 | 225.43 | |
| | | | |
| Ideal | 92.33 | 225.43 | |
| Downstream Top | 92.53 | 225.52 | |
| Downstream Bottom | 92.43 | 225.78 | |
| | | | |
| Ideal | | | 600.37 |
| Vertical Ref. Upstream | | | 600.33 |
| | | | |
| Ideal | | | 600.33 |
| Vertical Ref. Downstream | | | 600.29 |