



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** D. Gaskel

**DATE:** 08 Jun 2016

**FROM:** J. Dahlberg

**Checked:** SEH

**# :** C1722

**DETAILS:**

Data: 2b\BSY\3C12\160607a

Below are the results from the recent survey carried out on the Line C Moeller girder MQF3M01 and target. Mechanical coordinates (Meters) are shown along with beam following offsets from ideal. For the beam following offsets, a +X is beam left from ideal, a +Y is above, and a +Z is downstream. A + yaw angle (degrees), is counter clockwise looking from above, a + pitch angle is ccw from the beam right, and a + roll is cw looking from upstream. Also included are the results from the as-found survey of the moller target.

**CO3M01**

Mechanical -371.45606 -111.69346 99.97763 (found xzy)

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Delta (mm) 10.167 -0.355 -0.375 (beam following xzy)

Delta -0.03102 -0.02378 -0.12003 (YawPitchRoll)

**MQF3M01**

Mechanical -370.73485 -111.14025 99.97809 (found xzy)

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Delta (mm) 9.905 0.060 0.087 (beam following xzy)

Delta 0.01270 0.03180 0.00487 (YawPitchRoll)

**MOLLER**

Mechanical -370.05530 -110.61877 99.97995 (found xzy)

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Delta (mm) -98.747 0.273 1.949 (beam following xzy)

Delta 0.02433 0.02435 0.05443 (YawPitchRoll)

Dist. CL Moller to quad: 856.58 mm

Dist. CL Moller to collimator: 1765.53 mm