



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** A. Asaturyan, A. Narayan, D. Gaskell

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**FROM:** J. Dahlberg

**Checked:**

**# :** C1396

**DETAILS:**

Data: Step2b\BSY\QW9C\100923a  
Fiduc\BSY\ComptonEdet

Listed below are the distances from the MC3P03 magnetic exit point to various points on the electron detector measured during the fiducialization and pre-alignment process. The results are derived from the final location of the detector housing and dipole in the beam line and the location of the points measured inside the detector housing on the target ladder during fiducialization. Two sets of data are given; horizontal distances based on straight ahead beam, and distances along beam through the chicane. Values are in millimeters.

LOCATION	HORZ. DIST.	ALONG BEAM
MC3P03 Geometric center	-625.5	
MC3P03 Magnetic center	-624.3	
MC3P03 Magnetic exit	0.0	0.0
Upst face of frame at detector 4	1689.4	1716.0
Detector housing top flange.	1690.2	
Detector housing bottom flange.	1690.3	
Upst face of detector 4	1692.2	1718.9
Inside detector support rod at top.	1693.6	
Inside detector support rod at bottom.	1693.9	
Dnst face of detector 1	1725.5	1752.7
Dnst face of frame at detector 1	1729.7	1757.0
MC3P04 Magnetic entrance	1953.0	1983.8