



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** M. Bevins

**DATE:** 9 Aug. 2013

**FROM:** C. Gould

**Checked:** kjt

**# :** L1520

**DETAILS:**

data: step2b\nwcr\or\130808a  
Warc\130808a  
Inj\130808a

Shown below is the August 8, 2013 survey of the NWCR beam pipe locations near the 45MeV Dump. The as-found coordinates shown are based on the mechanical CEBAF system.

The beam following coordinates are the deltas from the ideal coordinates and are shown in millimeters. A +X is to the beam left, a +Y is up and a +Z is downstream.

	X	Y	Z	dX (mm)	dY (mm)
MQD0L06_US	80.60262	100.00190	-216.53952	2.62	1.90
MQD0L06_DS	80.60073	100.00145	-215.85505	0.73	1.45
MBF4D01_DS	80.60011	100.00007	-214.11540	0.11	0.07
MBF4D01_AF	80.48151	100.00147	-214.19145	2.10	1.47
MBF4D01_US	80.59994	99.99989	-214.72066	-0.06	-0.11
MBF4D01_USBELLOWS	80.60106	100.00043	-214.67500	1.06	0.43

MQPAA32_USCROSS	79.52813	99.99963	-212.48390	0.01	-0.37
MQPAA32_DSCROSS	79.59917	99.99710	-212.12930	0.51	-2.90
MQPAA32_BRCROSS	79.49654	100.00070	-212.08668	-1.05	0.70
MQPAA32_BLCROSS	79.63072	99.99993	-212.39464	-9.59	0.07
MXPAA31_US	79.66297	100.00609	-211.78790	-3.51	6.09

QJ0L05_DS	80.60074	99.99840	-225.54950	0.74	-1.60
IPM0L05_DS	80.59950	100.00098	-225.74033	-0.50	0.98
IPM0L05_US	80.60005	100.00070	-225.97195	0.05	0.70
QJ0L05_US	80.59995	100.00077	-225.38574	-0.05	0.77