



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** D. Mack, J. Benesch, D. Gaskell

**DATE:** 01 Dec 2010

**FROM:** Kelly Tremblay

**Checked:** (cjc)

**# :** C1353

**DETAILS:**

data: step2b\bsy\qw9c\100604b

The data below shows the location of the three flanges located on the BCM1/Unser/BCM2 girder in line C. The first two flanges, US1 and US2 are upstream of the BCM components. The third flange, DS, is downstream of the 3 components. The BCMs/Unser was covered by an insulating blanket at the time of the survey and were not physically surveyed. This portion of the beamline is pitched.

The found centers of the flanges are shown in the Cebaf coordinate system (meters) as are the deltas from the beam trajectory (millimeters) in the beam following system (slightly pitched). A negative dx indicates the found location is to the beam right, and a positive dy indicates the position is above the ideal trajectory.

Flange	X [m]	Y [m]	Z [m]	dx [mm]	dy [mm]
US1	-120.0370	99.9827	-382.3231	-0.4	0.2
US2	-120.0801	99.9829	-382.3793	-0.4	0.2
DS	-120.7614	99.9863	-383.2669	-0.7	0.1