



Jefferson Lab Alignment Group

Data Transmittal

TO: M Tiefenback, Y. Roblin, A. Freyberger

DATE: 17 Aug 2012

FROM: Kelly Tremblay

Checked: (cjc)

: L1477

DETAILS:

data : step2a\inj\120816a

On August 16th, 2012, cryomodule R100 was aligned for pre vacuum hook-up (Step2A). The crew ran out of adjustment in the z direction using the plate adjusters mounted on the floor. After consulting with Mike Tiefenback, the reported z mis-alignment of approximately 3 millimeters upstream was deemed acceptable. In order to fix the mis-alignment, the cryomodule would have needed to be lifted and the plate adjusters re-installed.

Below is the calculated amount of mis-alignment of CA0L05 in millimeters and angles in degrees. A positive dx indicates the center of the cryomodule is located beam left, positive dy indicates the position is too high, and positive z is downstream. + dyaw indicates a counter clockwise rotation about the Y axis, + dpitch is counter clockwise about the x axis and droll is clockwise about the z axis.

Point	dx (mm)	dy (mm)	dz (mm)	d yaw °	d pitch °	d roll °
CA0L05	0.0	0.2	-3.1	0.00086	-0.00315	0.01751