



Jefferson Lab Alignment Group

Data Transmittal

TO: A. Freyberger, S. Suhring

DATE: 21 Jan 2011

FROM: J. Dahlberg

Checked:

: L1367

DETAILS:

DATA: Step2B\Inj\110120A

Below are the results from the accelerator OR region beam pipe survey carried out on Jan. 20, 2011. This was a vertical survey only, with no horizontal measurements taken. A +Y value is above ideal beam center (in millimeters). Note that the measurement on the pipe between QD0R02 and MDK0R02 was taken on Mu metal. The diameter was found to vary over 2 mm in this area. It is estimated that the accuracy of this measurement is ~ 2 mm. The #2 flange downstream from the light box was fixed to the #1 flange after the stand was installed and therefore, both would be set at the same height.

LOCATION	FOUND(Y)	SET(Y)
Flange downstream from QD0R02	-0.5	+2.3
Mid point on pipe between QD0R02-MDK0R02	-4.9	-0.5
Flange upstream from MDK0R02	1.0	+3.1
Downstream from synch. light box flange 1	-7.9	-0.3
Downstream from synch. light box flange 2	-10.6	---