



Jefferson Lab Alignment Group

Data Transmittal

TO: Chase Dubbe

DATE: 13 Jan 2014

FROM: Kelly Tremblay

Checked:

: L1534

DETAILS:

data: step2a\bsy\1c_12\140113a

Below find the data for the Line A downstream superharp bench. The data consists of a number of circles with their as-located x,y,z radius points and the found radius. The units for the coordinates are meters in the JLAB coordinate system. The associated radii are in millimeters.

French Bench Tube				
	X[m]	Y[m]	Z[m]	Radius[mm]
Upstream Tube	-62.0859	99.5511	-355.5059	255.37
Downstream Tube	-59.6386	99.5904	-358.6482	254.12
Lower Upright Tube	-60.8510	99.8804	-357.0576	162.24
Middle Upright Tube	-60.8510	99.9073	-357.0588	163.74
Top Upright Tube	-60.8522	100.4526	-357.0590	163.61

Upstream Superharp Flanges				
Upstream	-62.3635	100.0202	-354.7136	34.98
Downstream	-62.3635	100.0200	-354.7136	34.76
Beam-right	-61.6984	100.0206	-355.3640	34.88
Beam-left	-61.8942	100.0193	-355.5124	34.92

Upstream Viewer Flanges				
Downstream	-62.3632	100.0190	-354.7134	34.73
Beam-right	-61.6146	100.0190	-355.5650	34.7
Upstream	-62.3634	100.0193	-354.7135	34.72

Downstream Superharp Flanges				
Upstream	-62.3650	100.0194	-354.7147	34.94
Downstream	-62.3647	100.0176	-354.7145	35.14
Beam-Left	-59.6281	100.0184	-358.4491	34.81
Beam-Right	-59.4123	100.0181	-358.2835	34.96

Downstream Viewer Flanges				
Upstream	-62.3643	100.0186	-354.7142	34.76
Downstream	-62.3636	100.0197	-354.7137	34.74
Beam-Right	-59.6087	100.0183	-358.1805	34.7