



Jefferson Lab Alignment Group

Data Transmittal

TO: J. Gubeli

DATE: 07/25/2019

FROM: Tom Singleton

Checked:

: F1934

DETAILS:

data : step2b\lerf\iso\190725a

Below are the results of LERF ISO target components survey carried out on July 24, 2019. The beam following values are relative to the ideal frame of the MQX1X0X magnet position, positive X is to the beamline left, positive Y is above the beamline and positive Z is downstream. The values are given in millimeters. Positive yaw is counterclockwise about the Y axis and positive Z given in degrees.

Component	X	Y	Z
DS Beampipe	1.08	-2.86	1336.5
US Tungsten tgt	-0.09	-0.18	1527.17
US hBN fixture	-0.08	0.08	
Mid hBN fixture	0.02	0.08	
DS hBN fixture	0.28	0.08	
repeatability	-0.01	0.02	0.02
Hbn fixture yaw	0.277		