



Jefferson Lab Alignment Group

Data Transmittal

TO: M. Poelker

DATE: 10/31/2022

FROM: Elena Balan

Checked: rtm

: U2056

DETAILS:

M:\align\DATA\Step2B\UITF\221027A

Below are the results of the UITF kicker, surveyed on the 27th of October, 2022. The coordinates are in the UITF Machine Coordinate System in meters. In the Beamline Coordinate System, a positive X is on beam left, a positive Y is up and a positive Z is downstream. Drawing *UITF_quick_reference_rev_16ver2.pdf* was used to obtain component names.

Component	UITF Coordinate System			Beam Following coordinate system		Roll[deg.]
	X[m]	Y[m]	Z[m]	Δx [mm]	Δy [mm]	
VBVM506	10.31785	21.06665	48.06690	0.35	-0.15	
BEAMPIPE	10.31713	21.06771	48.15299	-0.37	0.91	
RHKM506_US (kicker_us)	10.31698	21.06620	48.44690	-0.52	-0.60	
RHKM506_DS (kicker_ds)	10.31752	21.06693	48.74687	0.02	0.13	
VIPM506	10.31818	21.06830	48.87607	0.68	1.50	
RHKM506_TOP_PLANE						-89.9825

