



Jefferson Lab Alignment Group

Data Transmittal

TO: D. Machie

DATE: 26 Jun 2019

FROM: Chris Gould

Checked:

: L1929

DETAILS:

M:\align\DATA\Inspection\INJ\190626A

Below are the results of the as-found survey for the upcoming Injector upgrade. Following the drawing provided, the downstream face of Chopper 2 defines the Z origin. Values are in inches.

	Relative to the DS Face of Chopper 2 (In.)		
	X	Y	Z
Chopper 1 (DS Face)			-51.12
Chopper 2 (DS Face)			0.00
Buncher			20.67
Capture (Ion Pump Flange)			64.23
A3			88.72
US Cryo Penetration	15.79		112.50
Yao Cavity			114.02
A4			118.27
QCM End Flange (DS Face)			130.43
US RF WG Port (BR Face)	-29.008	0.006	171.39
DS RF WG Port (BR Face)	-29.077	0.005	178.72
DS Cryo Penetration	16.04		225.91
US BR QCM Foot 1	-13.97	-23.56	156.16
DS BR QCM Foot 2	-14.14	-23.59	194.12
US Ceiling WG Penetration	-35.86	88.25	246.40
DS Ceiling WG Penetration	-36.16	80.19	253.90



