



Jefferson Lab Alignment Group

Data Transmittal

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FROM: Chris Gould

Checked:

: M1930

DETAILS:

M:\align\DATA\Step2B\UITF\190411A

On April 11th, 2019 we were tasked with aligning electrode CIS-ASY-1 to the as-found location of the previous electrode. Because the previous electrode had no external Yaw reference, we defined this orientation by using the upstream and downstream flanges of the gun vacuum chamber. It is also important to note that the origin of CIS-ASY-1 is on the downstream face of the puck unlike previous surveys that placed $Z = 0$ at the center of the stalk. Included are the as-set locations and the deltas from the previous cathode location.

CIS-ASY-1 As-Set			
	X	Y	Z
UITF Machine Coordinates (M)	10.67327	21.06636	31.46697
	rX (Pitch)	rY (Yaw)	rZ (Roll)
ROTATIONS	-0.0857	-13.8536	0.0283
	X	Y	
Beam Following (mm)	9.13	-0.44	
	rX (Pitch)	rY (Yaw)	rZ (Roll)
ROTATIONS	-0.0784	1.1464	0.0275

Deltas From Previous Survey			
	X	Y	Z
Beam Following (mm)	0.02	-0.05	-0.28
	rX (Pitch)	rY (Yaw)	rZ (Roll)
ROTATIONS	0.0332	-0.0006	-0.0459