



Jefferson Lab Alignment Group

Data Transmittal

TO: J. Gubeli

DATE: 18 Sep 2018

FROM: Kelly Tremblay

Checked:

: F1885

DETAILS:

data: LCLSII\Lerf\180828a

Dipoles GV0F06B, GV2F00 plus cryomodule CA1F02 positions were checked August 28th, 2018. Additionally, a requested utube center was located and is shown. No movements were made to the components.

The data below shows the ideal coordinates in the FEL coordinate system (meters), the found values in the beam following system [BFS](millimeters) and the found angular differences in degrees. A positive dX is transverse to the beam left, positive dY is above the beamline, and negative dZ is upstream from the ideal. The angles are deltas from design (degrees) in the beam following direction. The ideal yaw angles are shown. Ideal pitch and roll are 0.0000 degrees.

Comp.	Ideal Coordinates [M}			Found BFS [mm}			Angular [degrees]			
	X	Y	Z	dX	dY	dZ	iYaw	dYaw	dPitch	dRoll
CA1F02	20.00000	105.00000	74.87500	-0.52	-0.14	-12.19	180.000	-0.0026	0.0012	-0.0023
GV0F06B	20.00892	105.00000	80.59384	-0.24	0.15	0.08	-170.122	0.0613	0.0052	-0.0097
GV2F00	19.99086	105.00000	46.97186	0.09	1.03	-0.82	-170.000	0.0071	-0.0421	-0.0037
UTUBE	20.73111	105.5935	57.14131							