



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** P. Bertin, S. Nanda

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**Checked:**

**# :** A947

### DETAILS:

Below are the results from the Hall A DVCS pointing surveys. The DVCS coordinate system is centered horizontally on the beam left side of the center crystal, and vertically on the top plane of the crystal array when stacked at 50%. Along beam, the Z=0 is the the downstream side of the 1/4" aluminum plate which the crystals are stacked against. The angles, (in degrees), represent the roll, pitch, and yaw of the crystal array in a gravity based system relative to the incoming main beam line. A + roll is clockwise looking downstream, and a + pitch is counter clockwise looking from the beam right side. The Z, X, and Y coordinates represent the offset of the ideal target center from the projected centerline of the crystal array. Looking downstream, a -X value positions the target to the beam right, and a -Y value positions the target below.

LOC.	Z	X	Y	ROLL	PITCH	YAW
-14.80	-1108.58	-1.52	-0.42	-0.003	0.256	-14.803
-18.25	-1108.48	-1.81	-0.39	0.009	0.257	-18.256
-20.50	-5454.26	16.32	1.51	0.116	0.151	-20.497
-22.29	-1107.71	-2.82	-0.34	0.032	0.255	-22.288
-18.25 (Repeat)	-1107.76	-2.02	-0.31	0.010	0.257	-18.252