



# Jefferson Lab Alignment Group

## Data Transmittal

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**DATE:** 25 Aug 2016

**FROM:** Jacob Walker

**Checked:** JD

**# :** A1727

### DETAILS:

The DVCS calorimeter was surveyed August 25, 2016. The data below shows the resulting coordinates and angles where the calorimeter was found. The reference point for the calorimeter is the upstream face of the PbF2 crystals at a location as shown on drawing A00000-01-14-0900 sheet 2.

A coordinate system was established by rotating the straight ahead beam system of Hall A about the Y axis  $11.0105^\circ$  counter-clockwise. This was the as-found angle of the DVCS rail system. +X is left of as-found DVCS center, +Y is above DVCS center, +Z is downstream of upstream PbF2 crystal face. +YAW is counter-clockwise (ccw) looking from above, +PITCH is ccw looking from left, +ROLL is ccw looking from downstream.

POSITION	X	Y	Z	PITCH	YAW	ROLL
1.6	0.651	-2.188	1481.596	0.0993	0.0438	-0.0017
2.1	0.952	-1.831	1980.819	0.1025	0.0393	0.0105
2.6	1.563	-2.039	2480.908	0.0660	0.0025	-0.0034
3.1	2.043	-2.043	2980.468	0.0240	-0.0328	-0.0167
5.6	0.921	-0.628	5482.134	0.1311	-0.0213	0.0042