



Jefferson Lab Alignment Group

Data Transmittal

TO: T. Whitlatch

DATE: 07 Oct 2021

FROM: Kelly Tremblay

Checked: JAC

: D2010

DETAILS:

data : geonet\data\halld\adjust\sr18

The as-found location for Hall D's Solenoid is shown below. There was not a direct survey of the Solenoid as it was incorporated into the monument control surveys carried out in 2021. The Solenoid is used as a basis for the control network and movements should be expected to be minor.

The as-found coordinates are shown in the Cebaf Coordinate system. The delta's are in millimeters relative to the straight ahead beam. A negative dx is to the beam right of ideal, negative dy is lower than ideal, and a negative dz is upstream from ideal. A positive dYaw is counter-clockwise about the Y axis from ideal; positive dPitch is counter-clockwise about the X axis; positive dRoll is clockwise about the Z axis.

	Found Cebaf System			Deltas Beam Following [mm]			Deltas Angular [degrees]		
	X[m]	Y[m]	Z[m]	dx[mm]	dy[mm]	dz[mm]	dYaw	dPitch	dRoll
HDSOL_	80.60000	104.69999	400.02896	0.000	-0.006	-0.720	0.01719	0.01375	0.00172