



Jefferson Lab Alignment Group Data Transmittal

TO: Elton Smith, Ed Winslow

DATE: 16 Mar 2018

FROM: Kelly Tremblay

Checked:

: A1856

DETAILS:

data: civilsurvey\halla\bdx_wells\180308a

The two BDX well heads were surveyed March 8th, 2018. The table below shows the results in the general Cebaf coordinate system (meters), the beam following system (meters) and the civil system (feet). The Beam Following (bfs) is the most relevant and shows the perpendicular offset from the beam as dx (positive being beam left), distance above the beam as dy and distance downstream from the target as dz. The civil system is shown as a reference to Ed Winslow's survey results.

Well	Cebaf Coordinate System			beam following from target			Civil System		
	X	Y	Z	dx	dy	dz	N	E	ht
UpStream	13.087	107.916	-453.090	0.032	7.894	75.678	2671.93	3432.63	39.40
Downstream	14.964	107.794	-455.523	0.023	7.772	78.751	2678.09	3424.65	39.00
Hall A Target	-32.958	100.022	-393.031						

The upstream well elevation is shown to the top of the plastic plate. Downstream elevation is to the top of the metal plate.

Comparing the civil groups survey to the alignment groups results is within tolerance of the surveys.