



Jefferson Lab Alignment Group

Data Transmittal

TO: D. Gaskell

DATE: 07 Mar 2019

FROM: Kelly Tremblay

Checked: TPSIII

: A1912

DETAILS:

data: step2b\bsy\1c_12\190205a

Components in the Hall A Compton region were surveyed February 5th, 2019, just prior to the winter 2019 run. The table below shows the as found location and the offsets from the beam in the beam following system. Additionally the horizontal distance (s) from the target (hall center, not Apex) is shown.

The coordinates s,x,y,z are in meters and are in the CEBAF coordinate system. dx/dy are in a local beam following system in millimeters. A positive dx is to the left of designed beam; a positive dy is above the designed beam.

Item	Point	S[m]	X[m]	Y[m]	Z[m]	dx bfs[mm]	dy bfs[mm]
1	US_IPM1P01	37.389	-55.7214	99.8897	-363.3698	2.4	-3.7
2	DS_IPM1P01	37.166	-55.5852	99.8808	-363.5462	1.7	-3.8
3	US_IPM1P02A	34.420	-53.9115	99.8066	-365.7234	-0.7	0.1
4	DS_IPM1P02A	34.198	-53.7774	99.8070	-365.9000	0.5	0.5
5	US_BELLOWS_IPM1P02A	34.098	-53.7169	99.8069	-365.9799	1.1	0.4
6	DS_BELLOWS_IPM1P02A	34.023	-53.6714	99.8076	-366.0394	1.2	1.1
7	US_BELLOWS_IPM1902B	33.118	-53.1202	99.8061	-366.7571	0.9	-0.4
8	DS_BELLOWS_IPM1902B	33.045	-53.0758	99.8053	-366.8149	0.8	-1.2
9	US_IPM1P02B	32.945	-53.0142	99.8056	-366.8943	0.3	-1.0
10	DS_IPM1P02B	32.735	-52.8857	99.8067	-367.0605	-0.6	0.2
11	US_PHOCAL_BP1	29.791	-51.0942	99.8071	-369.3959	-0.1	0.6
12	US_PHOCAL_BP2	29.537	-50.9388	99.8070	-369.5977	-0.6	0.5
13	US_PHOCAL_BP3	28.360	-50.2219	99.8072	-370.5310	-1.2	0.7
14	PHOCAL_CENTER1	28.210	-50.1313	99.8067	-370.6507	-0.2	0.2
15	DS_PHOCAL	28.001	-49.9428	99.8061	-370.7691	-77.7	-0.4

