



Jefferson Lab Alignment Group

Data Transmittal

TO: B. Wojtsekhowski

DATE: 02/01/2023

FROM: Elena Balan

Checked: cg

: A2065

DETAILS:

M:\align\DATA\Inspection\HallA\Gen_22\230131A\processed

The primary compass screen was refiducialized on the 12th January 2023. Coordinates are in a Beam Following System in reference to the Hall A GEN22 target. In a BFS, a positive dx value is to the beam left looking downstream along, a positive dy is higher vertically, a positive dz is downstream from ideal position. Accuracy for defining the intersection is 0.5mm.

For the Primary screen, the position of the points was considered at the intersection of the 1.5-inch horizontal line and every 3-inch vertical lines.

Primary Screen			
Component	dx[mm]	dy[mm]	dz[mm]
G0_1.5	1166.78	-5.53	196.58
G3_1.5	1110.28	-5.84	246.9
G7_1.5	1034.48	-5.47	314.48
G9_1.5	996.4	-5.54	348.45
G12_1.5	939.11	-5.25	399.37
G15_1.5	882.92	-5.19	449.63
G16.25_1.5	859.26	-5.28	470.73
G16_1.5	863.58	-5.06	466.88
G18_1	826.13	-18.01	500.49
G18_1.5	826.61	-5.26	501.11
G18_2	826.45	7.39	501.24
G21_1.5	769.02	-4.81	551.2
G24_1.5	712.3	-4.82	601.82
G27_1.5	655.33	-4.82	652.57
G30_1.5	598.48	-4.68	703.27
G33_1.5	541.6	-4.79	753.99
G34.75_1.5	508.66	-4.51	783.37

