



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** A. Dipette, G. Hays

**DATE:** 30 Jul 2015

**FROM:** Chris Gould

**Checked:**

**# :** C1660

**DETAILS:**

M:\align\DATA\Inspection\HallC\DUMP\150722A

Below are the results of the resent Hall C Dump wall profile survey. The first cross section was measured at the ideal distance of 253.94" from the tunnel entrance and two additional cross-sections were measured 12" upstream and downstream from the ideal. Values are in millimeters and relative to the Hall C pivot.

	~110 Ft From Tgt.Center				~109 Ft From Tgt.Center				~111 Ft From Tgt.Center		
	X	Y	Z		X	Y	Z		X	Y	Z
<b>Beam Right Wall</b>	-1061.5	-1071.9	33539.3		-1068.0	1018.3	33232.0		-1062.8	-1086.7	33842.0
	-1059.8	-841.4	33535.0		-1069.5	830.2	33232.6		-1054.4	-671.2	33969.3
	-1055.8	-642.4	33535.9		-1065.6	667.3	33232.1		-1057.7	-382.8	33983.0
	-1059.8	-431.9	33538.7		-1064.0	500.9	33232.6		-1057.0	-203.5	33969.2
	-1058.7	-210.7	33537.5		-1066.4	345.7	33232.2		-1063.8	10.4	33992.8
	-1063.5	-62.7	33536.4		-1064.5	174.0	33232.1		-1067.7	344.6	34007.8
	-1065.5	173.2	33535.8		-1062.6	-24.2	33232.2		-1065.1	537.8	33995.1
	-1066.7	331.7	33538.8		-1057.7	-194.9	33232.1		-1067.1	654.5	33994.8
	-1065.3	517.1	33536.8		-1057.7	-383.3	33233.3		-1070.3	876.5	33858.5
	-1068.7	655.8	33535.7		-1057.8	-561.4	33232.1		-1070.9	976.5	33874.4
	-1070.0	830.3	33539.1		-1055.2	-735.2	33232.0				
	-1070.3	1021.0	33537.0		-1060.5	-923.0	33232.7				
				-1059.5	-1090.6	33232.7					
<b>Ceiling</b>	-943.2	1038.7	33537.2		-1034.5	1036.8	33232.1		1060.8	1047.5	33955.8
	-824.5	1039.3	33536.2		-904.0	1034.3	33232.4		873.4	1038.5	33841.5
	-646.0	1038.5	33535.2		-708.0	1036.0	33231.4		686.3	1039.1	33842.8
	-483.5	1038.2	33538.5		-524.1	1035.0	33232.3		463.5	1039.2	33841.6
	-340.3	1037.1	33537.9		-304.9	1034.1	33231.5		277.7	1040.8	33842.6
	-145.1	1036.6	33538.1		-113.6	1034.0	33230.9		82.5	1040.5	33842.8
	-23.7	1036.5	33537.8		93.1	1035.5	33231.2		-97.7	1039.3	33841.8
	130.4	1038.4	33537.4		317.3	1036.1	33232.0		-332.6	1040.3	33842.1
	311.1	1038.0	33537.9		507.6	1034.8	33232.9		-514.0	1041.8	33842.4
	508.9	1036.6	33538.5		724.6	1034.8	33232.1		-771.2	1043.2	33841.6
	685.6	1037.0	33537.3		935.5	1036.8	33231.6		-921.9	1042.7	33843.2
	880.4	1036.9	33537.2		1059.7	1041.5	33232.2				

	~110 Ft From Tgt.Center				~109 Ft From Tgt.Center				~111 Ft From Tgt.Center		
	X	Y	Z		X	Y	Z		X	Y	Z
<b>Floor</b>	-1042.4	-1105.9	33538.6		312.8	-1106.4	33233.4		-1043.8	-1105.7	33842.6
	-910.0	-1105.9	33537.0		55.9	-1106.1	33231.9		-890.5	-1106.9	33841.9
	-759.6	-1106.7	33536.6		-154.0	-1106.3	33232.6		-747.5	-1108.1	33843.1
	-615.5	-1107.2	33535.9		-366.5	-1105.8	33232.4		-574.8	-1108.9	33842.3
	-427.9	-1107.8	33536.4		-554.1	-1105.7	33232.1		-378.0	-1109.6	33842.6
	-239.4	-1108.5	33538.4		-705.9	-1106.1	33231.9		-180.8	-1109.7	33842.1
	-70.4	-1108.6	33537.0		-899.6	-1110.7	33231.8		-51.6	-1109.6	33841.9
	118.1	-1108.5	33538.1		-1040.3	-1109.6	33232.1		121.7	-1108.6	33842.4
	340.5	-1107.1	33537.7		430.1	-1106.2	33232.1		294.5	-1107.3	33842.9
	452.1	-1106.3	33537.3		649.7	-1105.8	33231.7		458.0	-1105.8	33842.9
	485.9	-1106.1	33537.9		883.8	-1105.4	33233.1		546.9	-1104.9	33842.0
	692.2	-1104.0	33538.1		1061.5	-1104.2	33232.8		736.0	-1102.3	33841.9
	908.5	-1102.8	33537.8						905.4	-1100.4	33841.5
	1060.4	-1102.2	33537.3						1063.2	-1100.6	33842.2
<b>Beam Left Wall</b>	1077.2	714.2	33536.6		1074.9	-875.7	33232.6		1082.3	-1081.5	33842.6
	1070.5	582.4	33536.5		1075.6	-694.8	33231.8		1073.7	-814.7	33841.9
	1073.6	411.9	33536.8		1075.3	-529.5	33233.1		1074.6	-540.7	33842.4
	1076.7	246.4	33538.3		1070.4	-343.9	33232.4		1072.6	-330.0	33841.9
	1075.7	84.0	33537.5		1071.6	-143.5	33231.6		1076.0	-90.0	33841.0
	1073.4	-95.1	33538.3		1076.8	45.0	33231.9		1074.0	113.7	33841.9
	1066.8	-298.5	33537.8		1076.6	235.7	33231.8		1074.1	367.9	33841.2
	1072.4	-561.8	33537.6		1072.4	480.2	33232.5		1071.3	568.2	33842.0
	1072.2	-787.9	33536.8		1075.3	681.0	33233.1		1079.3	742.2	33843.2
	1076.8	-962.4	33536.7		1079.4	883.5	33233.9		1077.8	885.3	33842.2
	1079.5	-1083.1	33538.5		1078.7	1022.6	33232.9		1078.9	992.5	33845.0