



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** R.Yasky, C. Bitgood, T.Witherspoon, T.Whitlatch

**DATE:** 05 Aug 2011

**FROM:** Chris Curtis

**Checked:**

**# :** D1404

**DETAILS:**

DATA: \Inspection\HallID\110729B

Below are the results of the recent checks on the wall locations of the tunnel extension going to the Hall D tagger area. The BL points were measured on the beam left (north) side, the BR points on the beam right (south), going from west (points BL/BR1) to east (BL/BR 9, 10, 11). Ideal values were calculated using drawings S-101 and A-101. Distances are given to the ideal beamline, and the tunnel width has been calculated between pairs of points which are approximately located on opposite sides of the tunnel. Values are in feet.

	<b>E</b>	<b>N</b>	<b>EI</b>	<b>N ideal</b>	<b>DN</b>	<b>To Beam</b>	<b>Tunnel Width</b>
BL1	5751.912	2894.966	25.924	2894.982	0.016	1.530	
BL2	5752.414	2894.950	22.007	2894.982	0.032	1.515	
BL3	5762.157	2894.948	24.524	2894.982	0.034	1.512	
BL4	5771.266	2894.959	28.876	2894.982	0.023	1.523	
BL5	5771.825	2894.924	24.565	2894.982	0.058	1.488	
BL6	5781.067	2894.952	28.379	2894.982	0.030	1.517	
BL7	5791.906	2894.976	31.410	2894.982	0.006	1.540	
BL8	5792.029	2894.970	27.408	2894.982	0.012	1.534	
BL9	5801.499	2894.958	29.723	2894.982	0.024	1.523	
BL10	5810.928	2894.972	31.863	2894.982	0.010	1.537	
BL11	5811.011	2894.958	27.200	2894.982	0.024	1.522	
					<b>Ideal:</b>	<b>1.546</b>	
BR1	5752.024	2887.985	25.834	2887.982	-0.003	-5.451	6.981
BR2	5752.355	2887.966	21.761	2887.982	0.016	-5.470	6.985
BR3	5762.446	2888.004	24.662	2887.982	-0.022	-5.431	6.944
BR4	5771.563	2888.002	28.741	2887.982	-0.020	-5.433	6.957
BR5	5771.750	2887.977	24.483	2887.982	0.005	-5.459	6.947
BR6	5781.213	2888.009	28.268	2887.982	-0.027	-5.427	6.943
BR7	5791.986	2887.978	31.175	2887.982	0.004	-5.457	6.998
BR8	5792.060	2887.996	27.412	2887.982	-0.014	-5.440	6.974
BR9	5801.327	2887.990	29.299	2887.982	-0.008	-5.445	6.968
					<b>Ideal:</b>	<b>-5.454</b>	<b>7.000</b>