



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** B. Dillon-Townes, K. Harding

**DATE:** 18 Sep 2012

**FROM:** Kelly Tremblay

**Checked:** TPS III

**# :** F1480

**DETAILS:**

data : inspection\fel\topo\120904A

On August 30<sup>th</sup>, 2012 a survey to locate a pillar, floor and ceiling elevations and certain other locations was undertaken. The results below are in meters, relative to the FEL coordinate system. The points in the requested points table are the values at the approximate coordinates you requested. The pillar edges were determined and are shown at the constructed points the edges would meet the ceiling and floor. The ceiling and floor points are random points shot by the crew.

Requested Points			
Target	X	Y	Z
Top Point 1	19.746	107.322	92.574
Top Point 2	21.601	107.336	92.292
Floor Pt Est.	20.851	104.299	91.668
Floor Point 2	21.882	103.928	93.152

Pillar Edges			
Target	X	Y	Z
Line1_floor	20.741	104.299	90.565
Line1_ceil	20.744	107.334	90.560
Line2_floor	20.737	104.297	91.145
Line2_ceil	20.740	107.332	91.139

Floor Points			
Target	X	Y	Z
pt1	20.100	104.303	92.175
pt2	20.330	104.301	92.109
pt3	20.324	104.302	91.981
pt4	20.889	104.299	91.750
pt5	20.934	104.299	91.517
pt6	21.095	104.298	91.910
pt7	21.370	104.296	92.474
pt8	21.318	104.298	93.160

Ceiling Points			
Target	X	Y	Z
pt1	20.868	107.334	91.192
pt2	20.792	107.330	92.637
pt3	20.774	107.330	91.652
pt4	19.597	107.321	91.917
pt5	21.152	107.332	91.708
pt6	21.603	107.336	92.021
pt7	21.630	107.336	92.551
pt8	20.629	107.331	91.054
pt9	20.682	107.333	90.782
pt10	20.722	107.338	90.578
pt11	20.739	107.334	90.473
pt12	20.836	107.334	90.406
pt13	21.110	107.334	91.168