



# Jefferson Lab Alignment Group

## Data Transmittal

**TO:** J. Fischer

**DATE:** 11 Sep 2015

**FROM:** Jacob Walker

**Checked:**

**# :** M1671

**DETAILS:**

DATA: PreAlign\TEST LAB\LCLS Production Line\NW Stand Support\150909A

Below are the results from the recent survey carried out of the LCLS west stands. All coordinates are given in inches and relative to a coordinate system where +X is west of as-found centerline of inner assembly rails, +Y is above as-found centerline of inner assembly rails, and +Z is north of the north end of outer master rails.

Component	X	Y	Z
<b>West Inner Rail</b>			
South	7.495	-0.003	-400.338
Mid	7.503	0.000	-203.601
North	7.511	0.004	-6.864
<b>East Inner Rail</b>			
South	-7.566	-0.011	-400.239
Mid	-7.503	-0.007	-203.976
North	-7.440	-0.004	-7.714
<b>West Outer Rail</b>			
South	16.943	-7.284	-399.825
Mid	16.981	-7.273	-203.702
North	17.018	-7.261	-7.580
<b>East Outer Rail</b>			
South	-17.070	-7.278	-405.014
Mid	-17.032	-7.271	-203.980
North	-16.993	-7.264	-2.947
<b>Floor Under Rails</b>			
Floor pt1	-27.191	-23.188	-1.561
Floor pt2	0.737	-23.176	4.176
Floor pt3	-30.364	-23.220	-130.454
Floor pt4	-30.306	-23.212	-272.036
Floor pt5	26.775	-23.106	-18.250
Floor pt6	27.636	-23.174	-154.140
<b>Top Center of Posts</b>			
NE	-43.964	38.668	358.125
NW	46.011	38.670	358.062
SE	-44.064	38.659	141.951
SW	46.151	38.658	141.936
<b>Centering Cups</b>			
SE	-45.031		142.035
NW	44.998		358.051