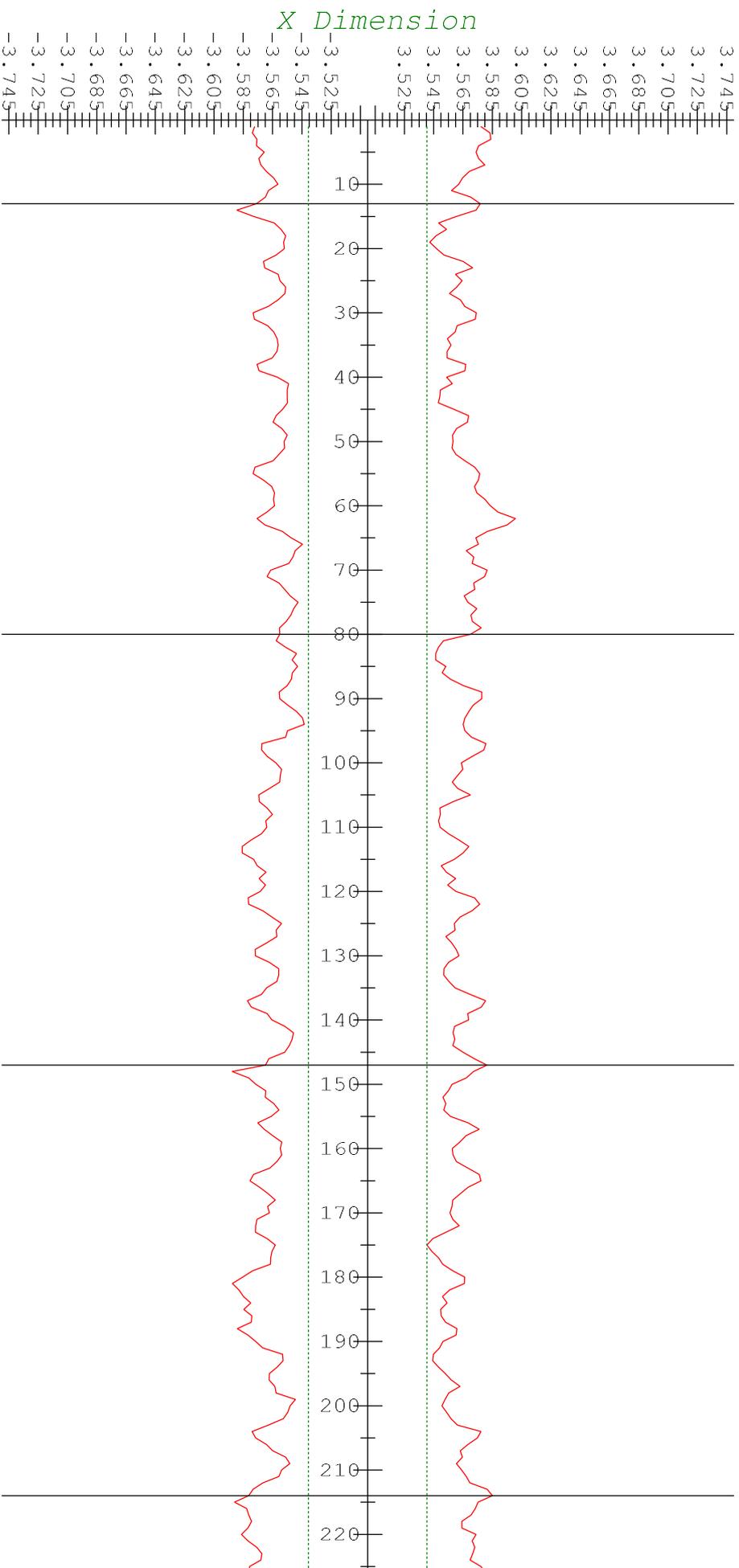


Pole Tip Number ----->



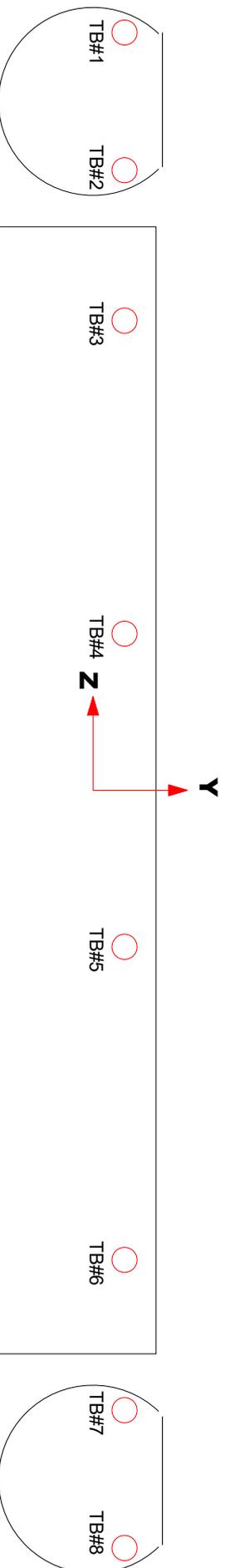
Minimum Gap = 7.081



LCLS II HXR Reference Undulator
Pole Tip Gap

01-JUL-2020

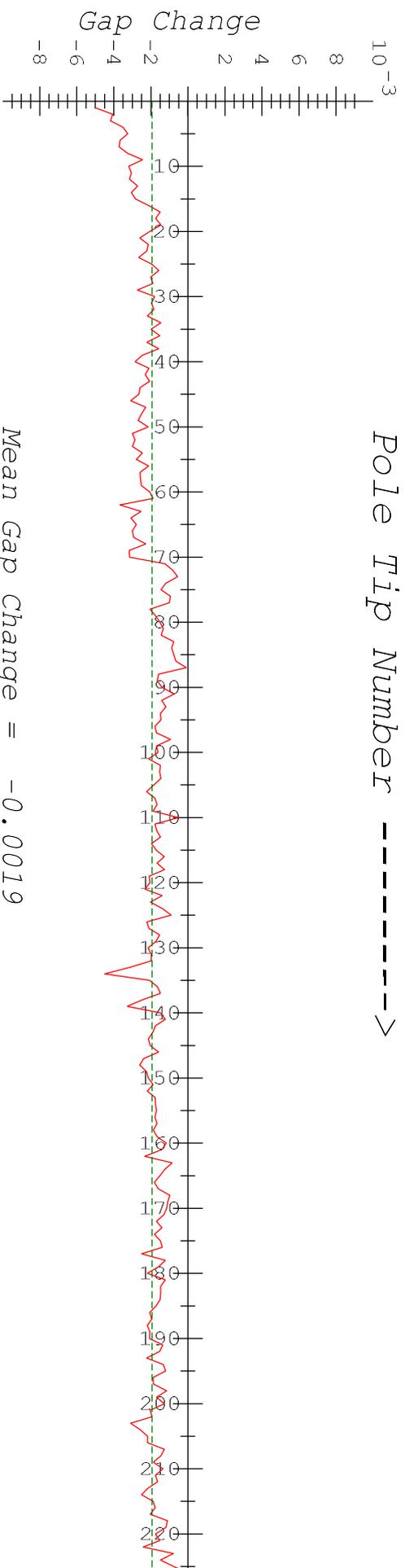
Location of Tooling Ball Center 1 inch above Socket Surface



TB Number	X Corr.	Y Corr.	Z Corr.
#1	-5.07847	0.00575	67.922757
#2	5.07876	0.00048	67.922762
#3	7.07992	0.0057	61.48522
#4	7.07978	0.00044	23.26344
#5	7.08088	0.00307	-23.03485
#6	7.08028	0.00028	-61.37027
#7	5.07518	0.00519	-67.922804
#8	-5.08101	0.01093	-67.922816

Dimensions in Inch

Pole Tip Number ----->



Dimensions in MM



**LCLS II HXR Reference Undulator
Gap Change Between Measurements**