

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 87

Regression Line Through Points = - - - - -

Dimensions in mm



## LCLS II - SXR Undulator

Nominal Gap = 22      Nominal Taper = 0.000  
 Gap Reading = 0.0000      US Encoder = 0.0000      DS Encoder = 0.0000

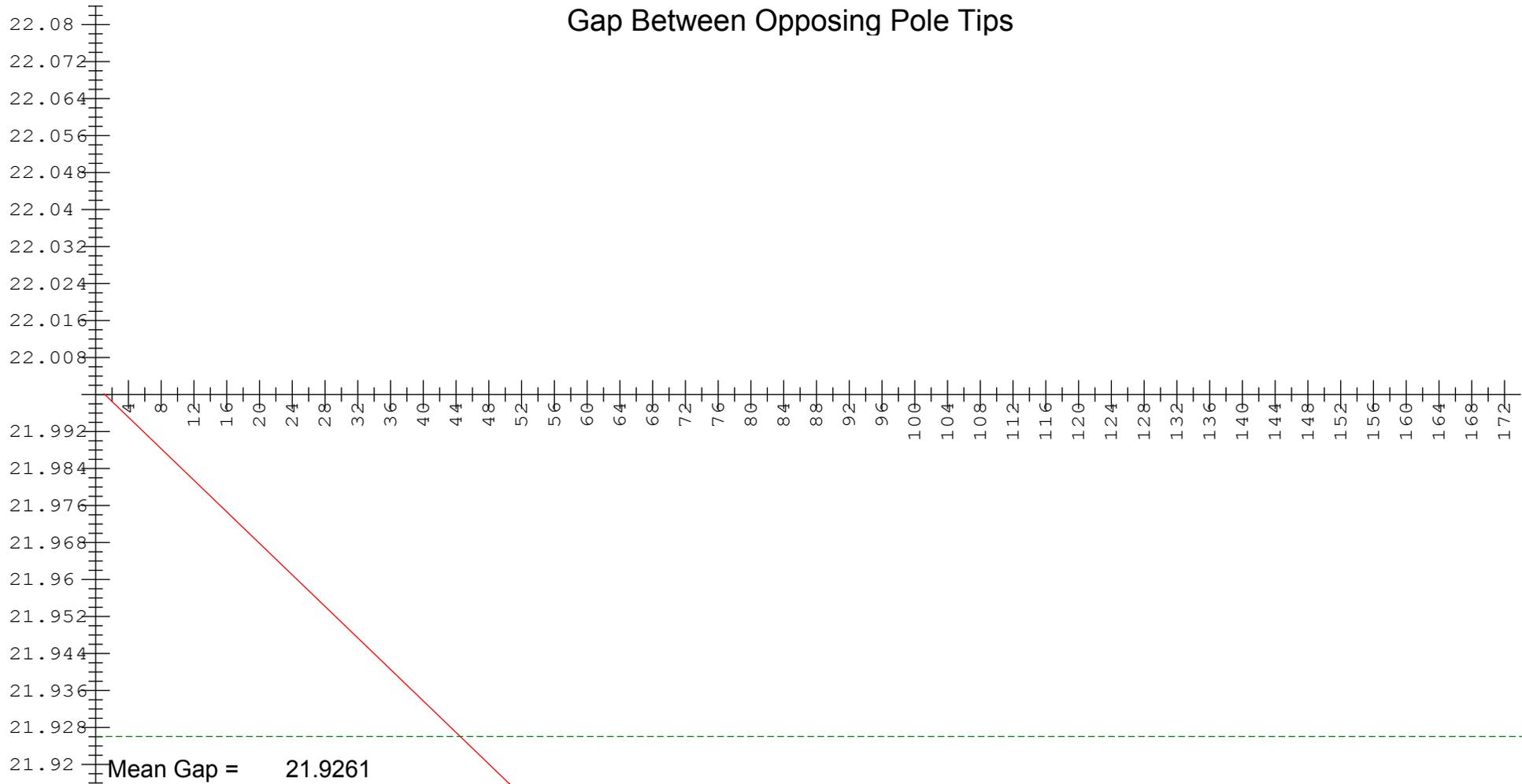
12-AUG-2019

S/N = 001

D/S = 0007

Run = 41

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 87

Dimensions in mm

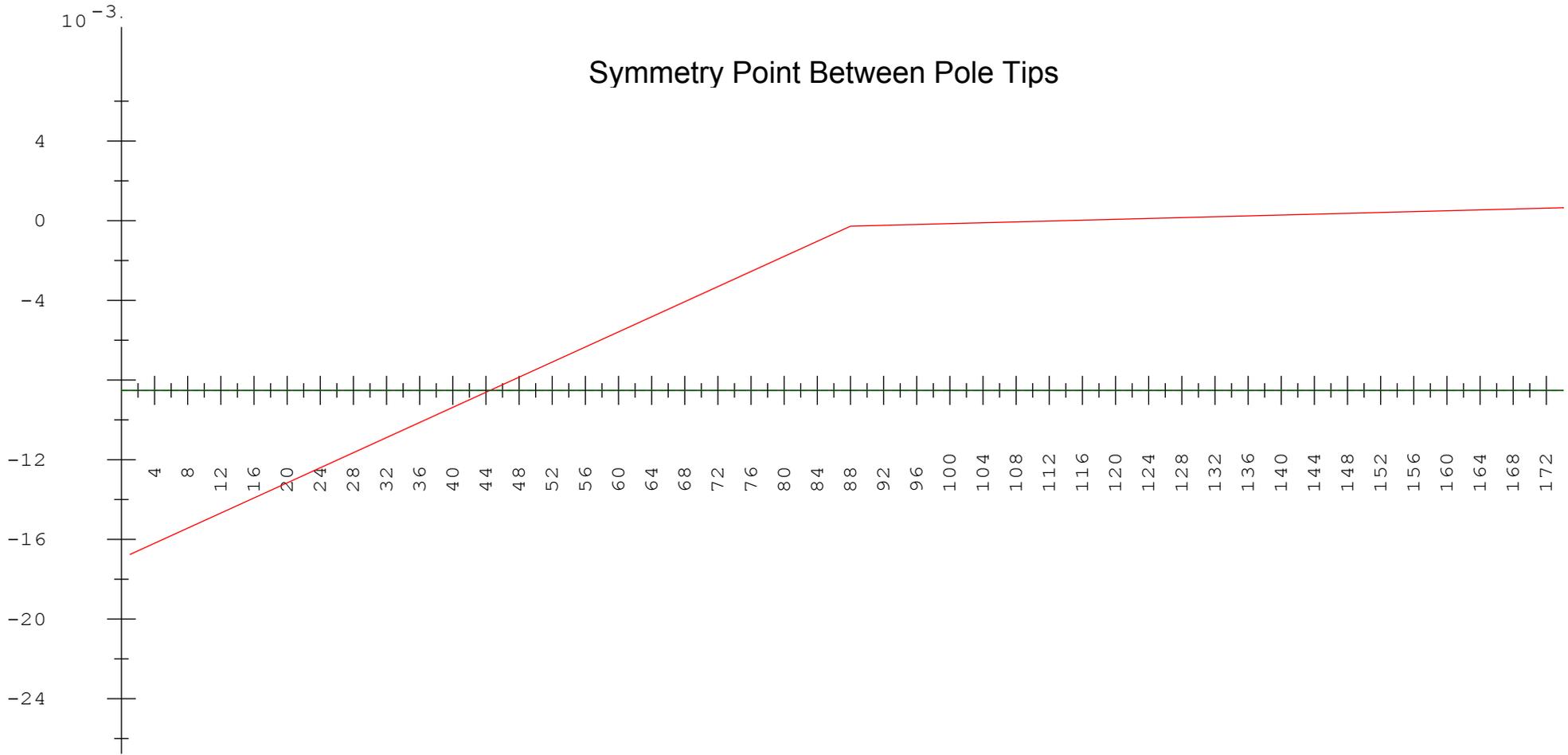


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12-AUG-2019  
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### Symmetry Point Between Pole Tips



Mean Symmetry Value = -0.0085

Step Between Measured Pole Tips = 87

Dimensions in mm



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## Top and Bottom Jaw Regression Line Intersect Points

Jaw	First Pole (Pole 1)	US Actuator (Pole 39)	DS Actuator (Pole 135)	Last Pole (Pole 174)
<b>Top</b>	10.9852	10.9576	10.8878	10.8594
<b>Bottom</b>	-11.0136	-10.9783	-10.8891	-10.8529
<b>Gap</b>	21.9988			21.7123
<b>Taper</b>				-0.2865

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
10.9545	-10.9716	21.9261	-0.0085

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.086</b>
<b>Top Jaw Pitch (mrad)</b>	<b>-0.037</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.048</b>
<b>Minimum Effective Gap</b>	<b>21.714</b>
<b>Reference Block Gap</b>	<b>6.801</b>

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