

Y Value Scales Centered on Mean Values  
 Step Between Measured Pole Tips = 87

Regression Line Through Points = -----  
 Dimensions in mm



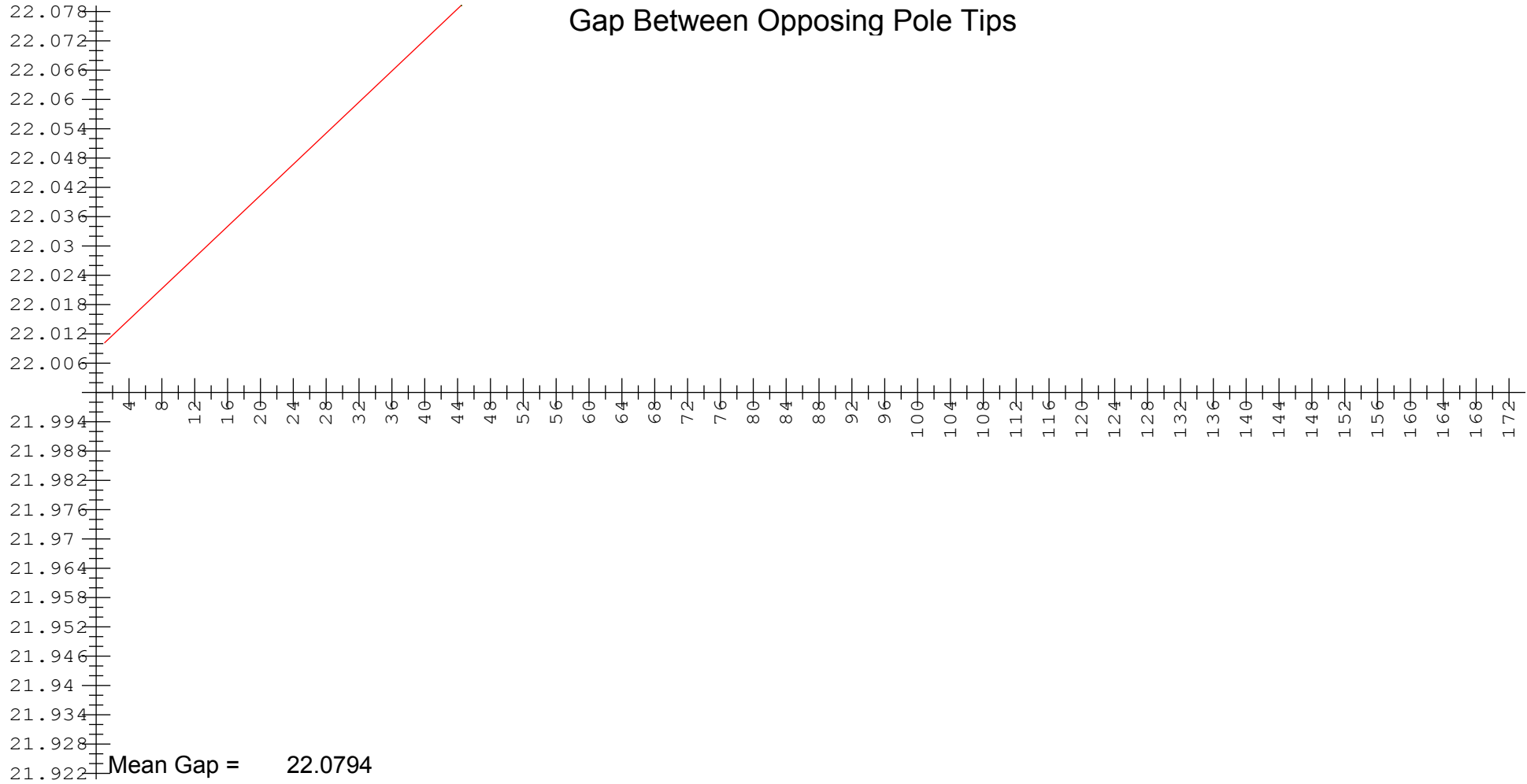
**LCLS II - SXR Undulator**

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 = 40

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 87

Dimensions in mm

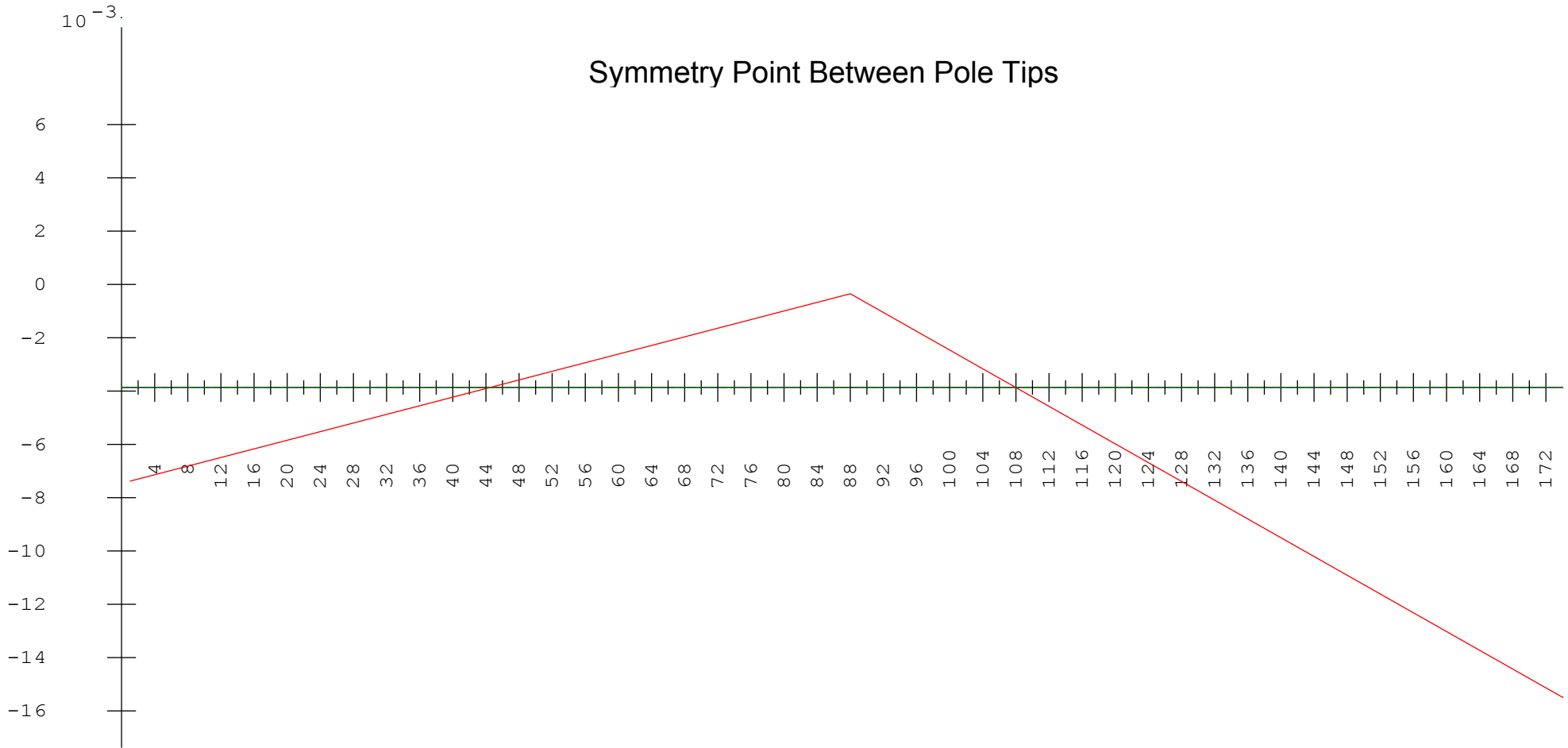


## LCLS II - SXR Undulator

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### Symmetry Point Between Pole Tips



Mean Symmetry Value = -0.0039

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>	10.9998	11.0303	11.1073	11.1386
<b>Bottom</b>	-11.0072	-11.0413	-11.1272	-11.1622
<b>Gap</b>	22.0070			22.3008
<b>Taper</b>				0.2937

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
11.0358	-11.0435	22.0794	-0.0039

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.086</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.041</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>-0.046</b>
<b>Minimum Effective Gap</b>	<b>22.010</b>
<b>Reference Block Gap</b>	<b>6.801</b>

Dimensions in mm



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