

Minimum Effective Gap = 9.964

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 1

Regression Line Through Points =

Dimensions in mm

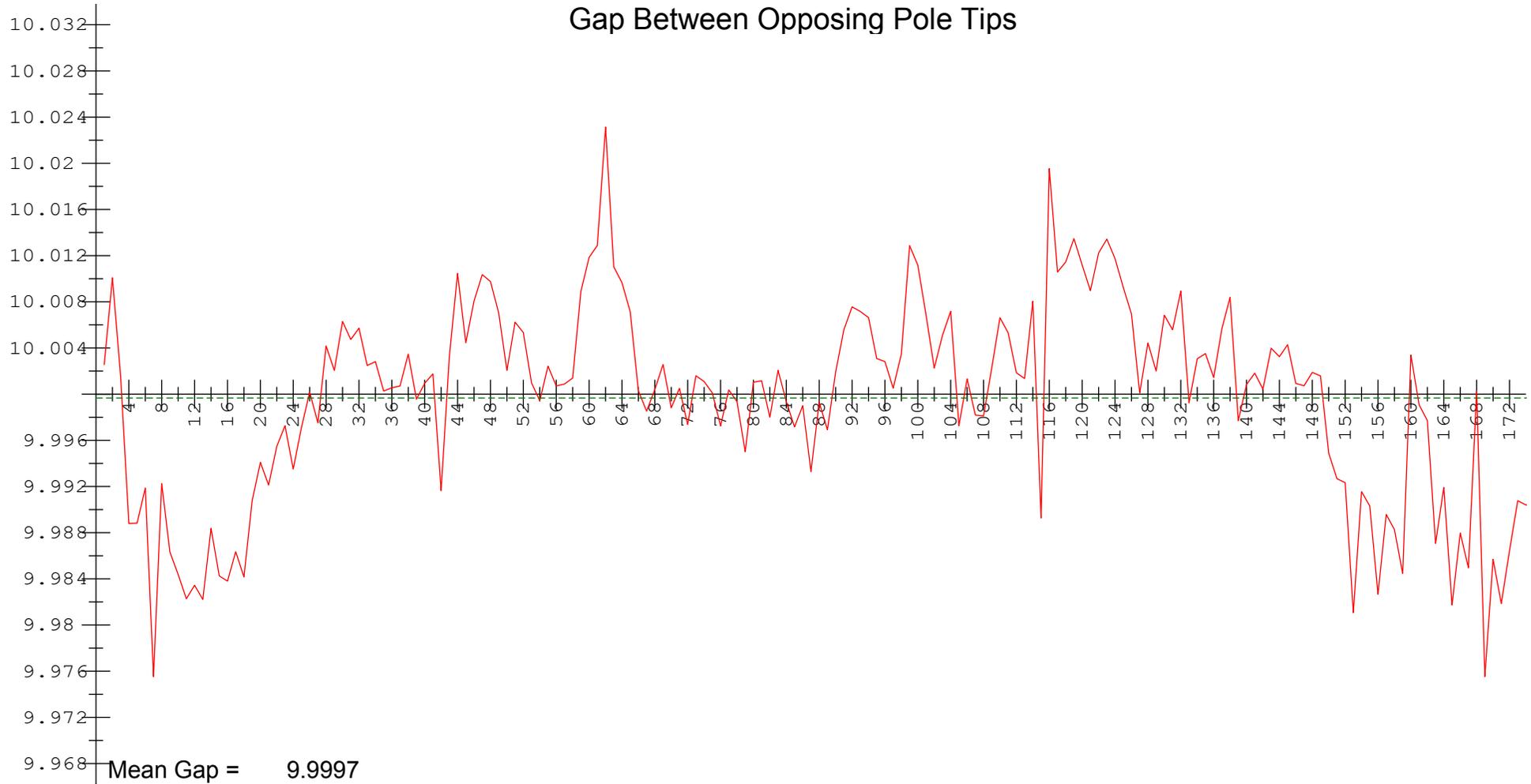


**LCLS II - SXR Undulator**

Nominal Gap = 10      Nominal Taper = 0.000  
 Gap Reading = 10.0000      US Encoder = 10.0000      DS Encoder = 10.0000

12-NOV-2018  
 S/N = 017  
 D/S = 0001  
 Run = 2

### Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm

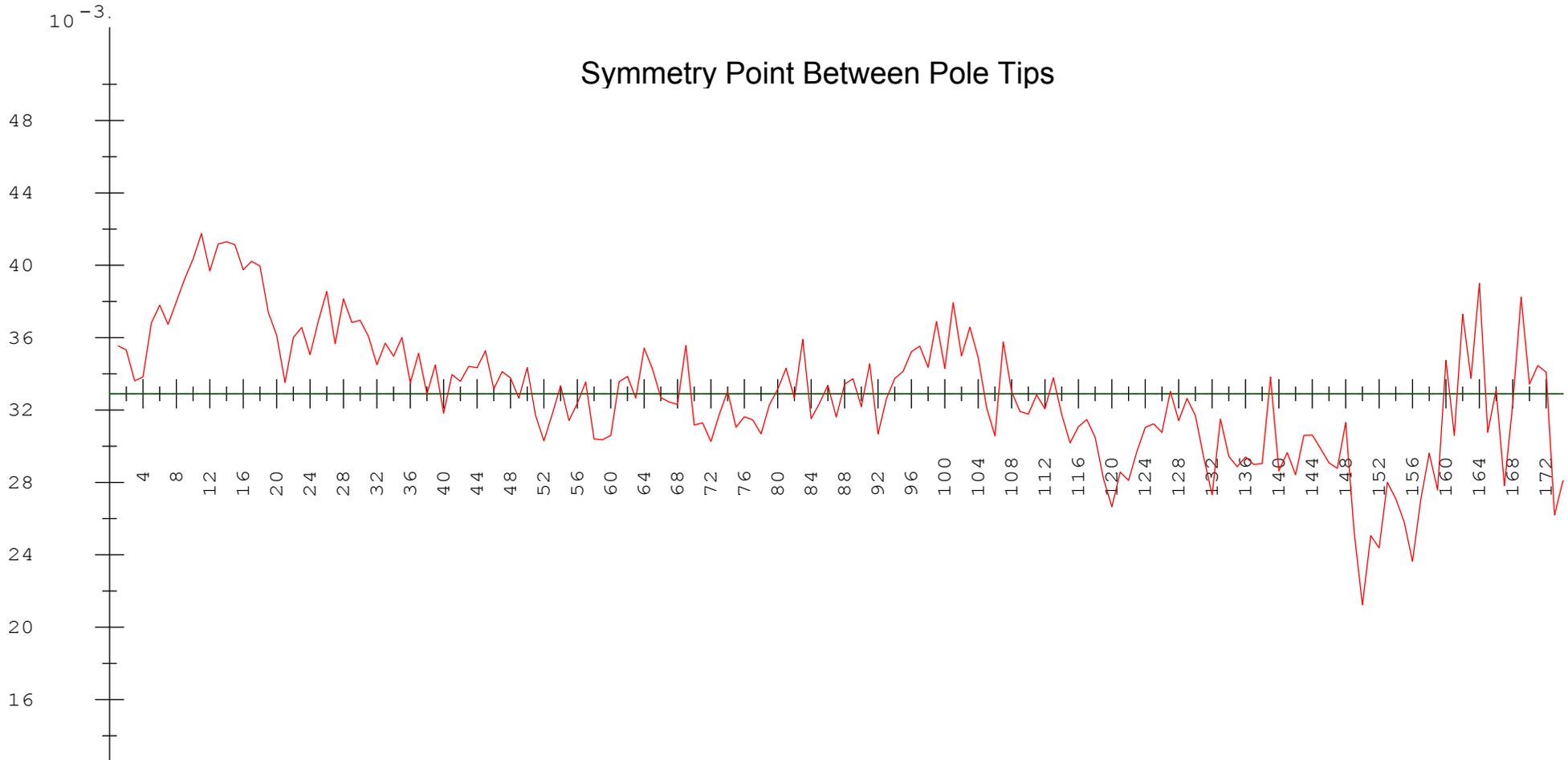


### LCLS II - SXR Undulator

Nominal Gap = 10      Nominal Taper = 0.000  
 Gap Reading = 10.0000      US Encoder = 10.0000      DS Encoder = 10.0000

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### Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0329

Step Between Measured Pole Tips = 1

Dimensions in mm



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 Gap Reading = 10.0000      US Encoder = 10.0000      DS Encoder = 10.0000

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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>	5.0368	5.0350	5.0305	5.0287
<b>Bottom</b>	-4.9629	-4.9647	-4.9691	-4.9709
<b>Gap</b>	9.9997			9.9997
<b>Taper</b>				0.0000

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0327	-4.9669	9.9997	0.0329

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.178</b>
<b>Top Jaw Pitch (mrad)</b>	<b>-0.002</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>-0.002</b>
<b>Minimum Effective Gap</b>	<b>9.964</b>
<b>Reference Block Gap</b>	<b>6.806</b>

Dimensions in mm



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