

Minimum Effective Gap = 9.975

Y Value Scales Centered on Mean Values  
Step Between Measured Pole Tips = 1

Regression Line Through Points =   
Dimensions in mm



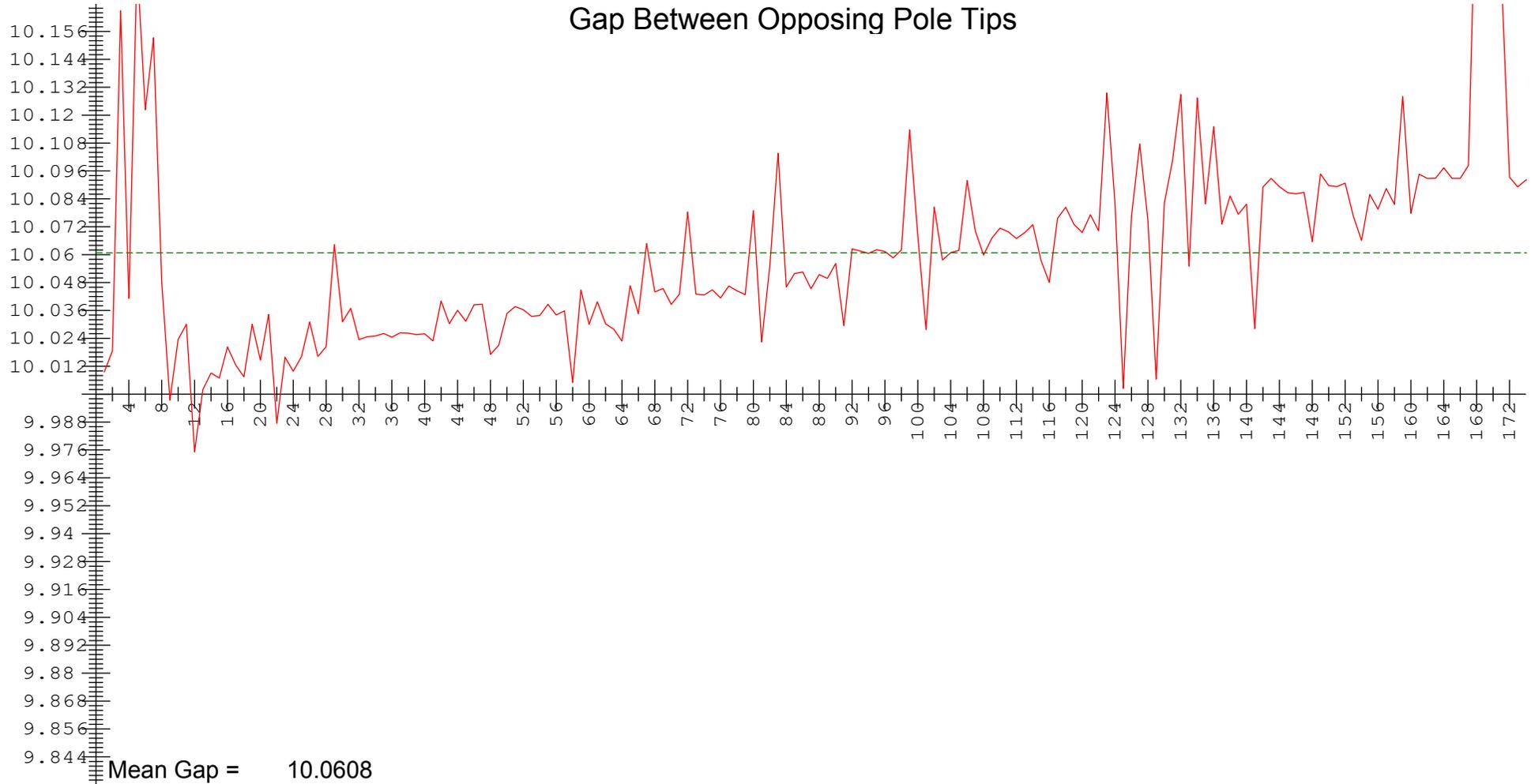
**LCLS II - SXR Undulator**

Nominal Gap = 10      Nominal Taper = 0.100

Gap Reading = 10.0500      US Encoder = 10.0000      DS Encoder = 10.1001

06-DEC-2018  
S/N = 017  
D/S = 0001  
Run = 8

### Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

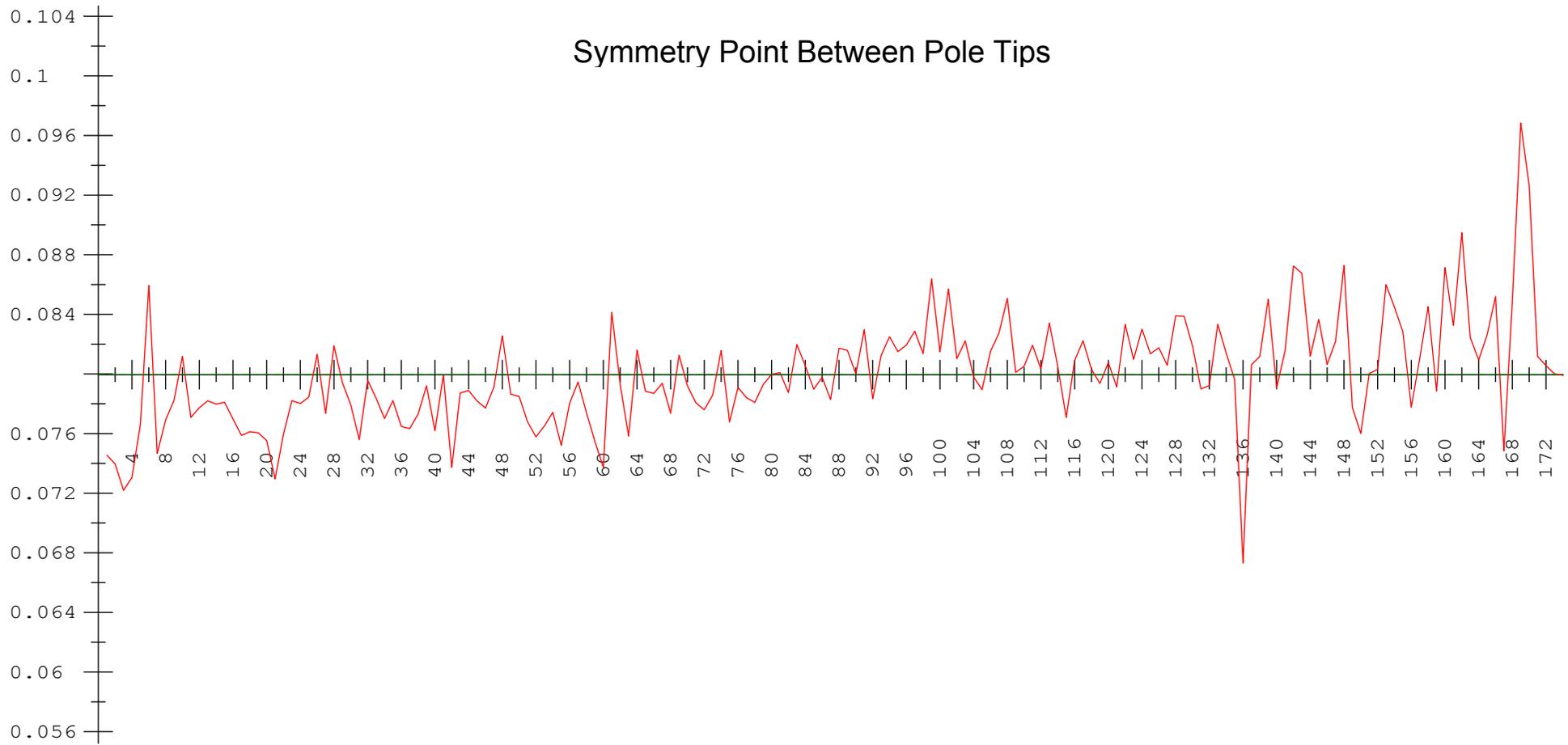
Dimensions in mm



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Mean Symmetry Value = 0.0800

Step Between Measured Pole Tips = 1

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>	5.0846	5.0959	5.1245	5.1361
<b>Bottom</b>	-4.9317	-4.9400	-4.9607	-4.9692
<b>Gap</b>	10.0163			10.1053
<b>Taper</b>				0.0890

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.1104	-4.9504	10.0608	0.0800

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.178</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.015</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>-0.011</b>
<b>Minimum Effective Gap</b>	<b>9.975</b>
<b>Reference Block Gap</b>	<b>6.806</b>

Dimensions in mm



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