

Minimum Effective Gap = 9.735

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

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



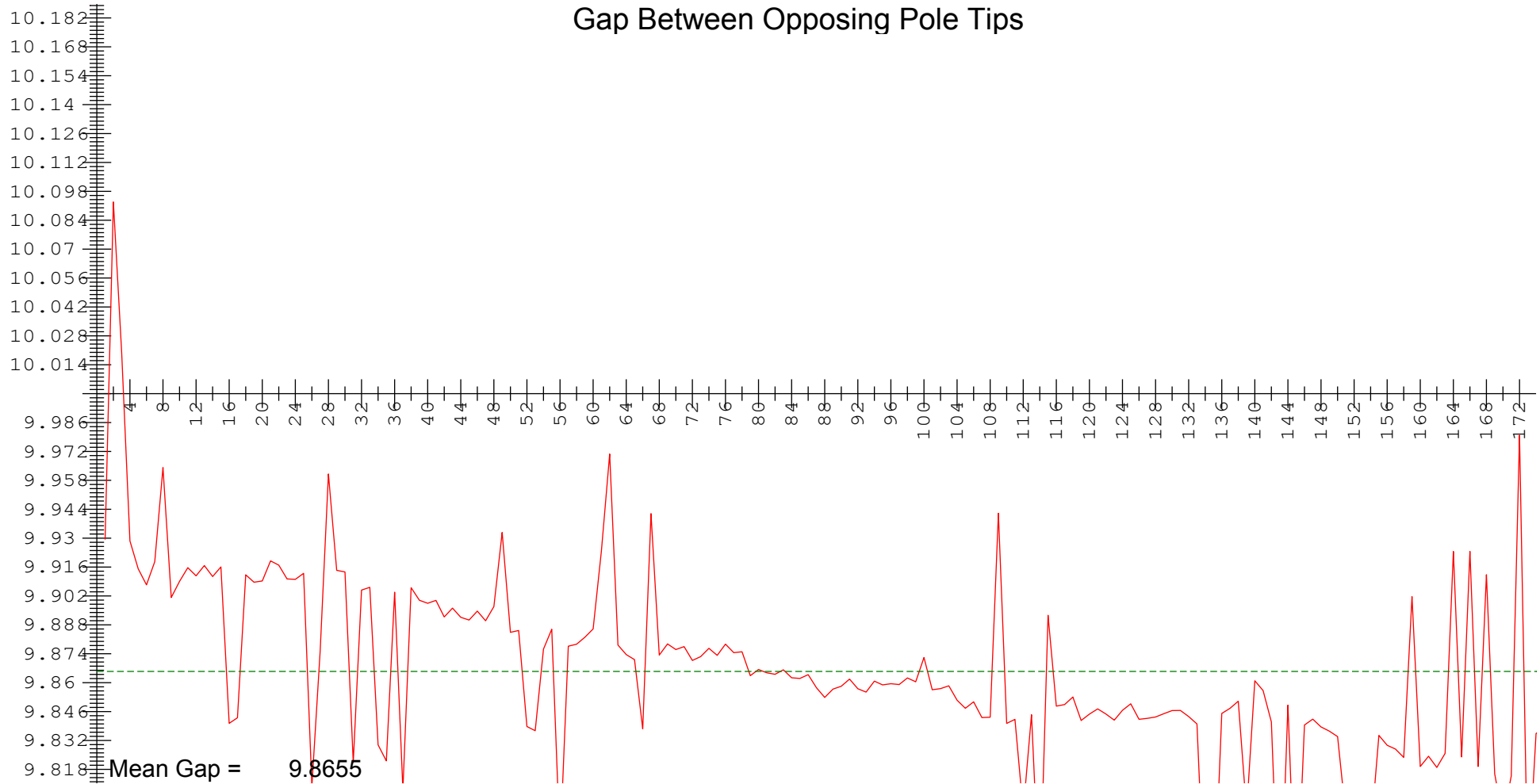
**LCLS II - SXR Undulator**

Nominal Gap = 10      Nominal Taper = -0.100

Gap Reading = 9.9500      US Encoder = 10.0000      DS Encoder = 9.9000

08-MAR-2019  
 S/N = 001  
 D/S = 0005  
 Run = 1

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm

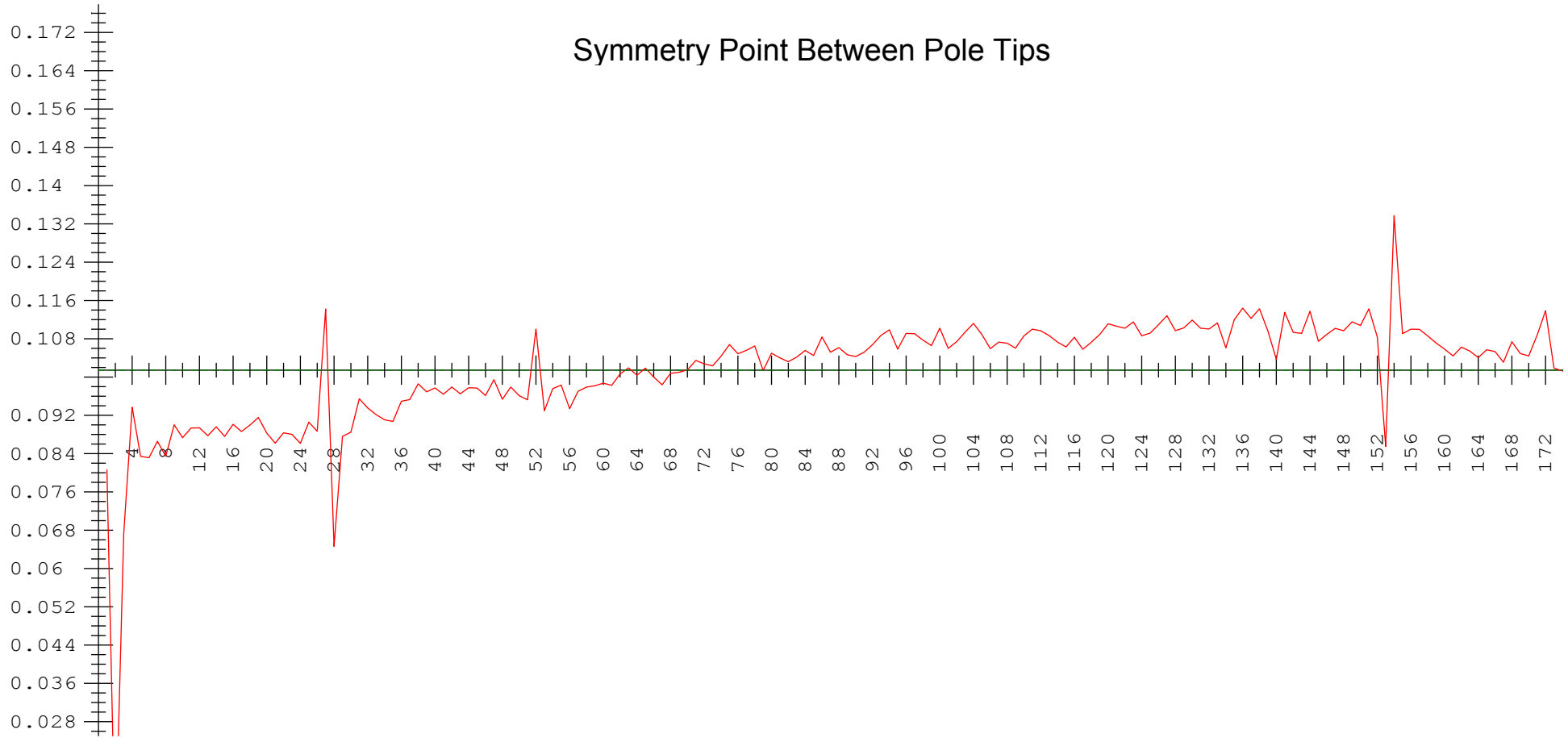


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### Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.1014

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>	5.0450	5.0402	5.0282	5.0233
<b>Bottom</b>	-4.8702	-4.8531	-4.8099	-4.7924
<b>Gap</b>	9.9151			9.8158
<b>Taper</b>				-0.0994

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0342	-4.8313	9.8655	0.1014

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.300</b>
<b>Top Jaw Pitch (mrad)</b>	<b>-0.006</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.023</b>
<b>Minimum Effective Gap</b>	<b>9.735</b>
<b>Reference Block Gap</b>	<b>6.806</b>

Dimensions in mm



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