

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

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



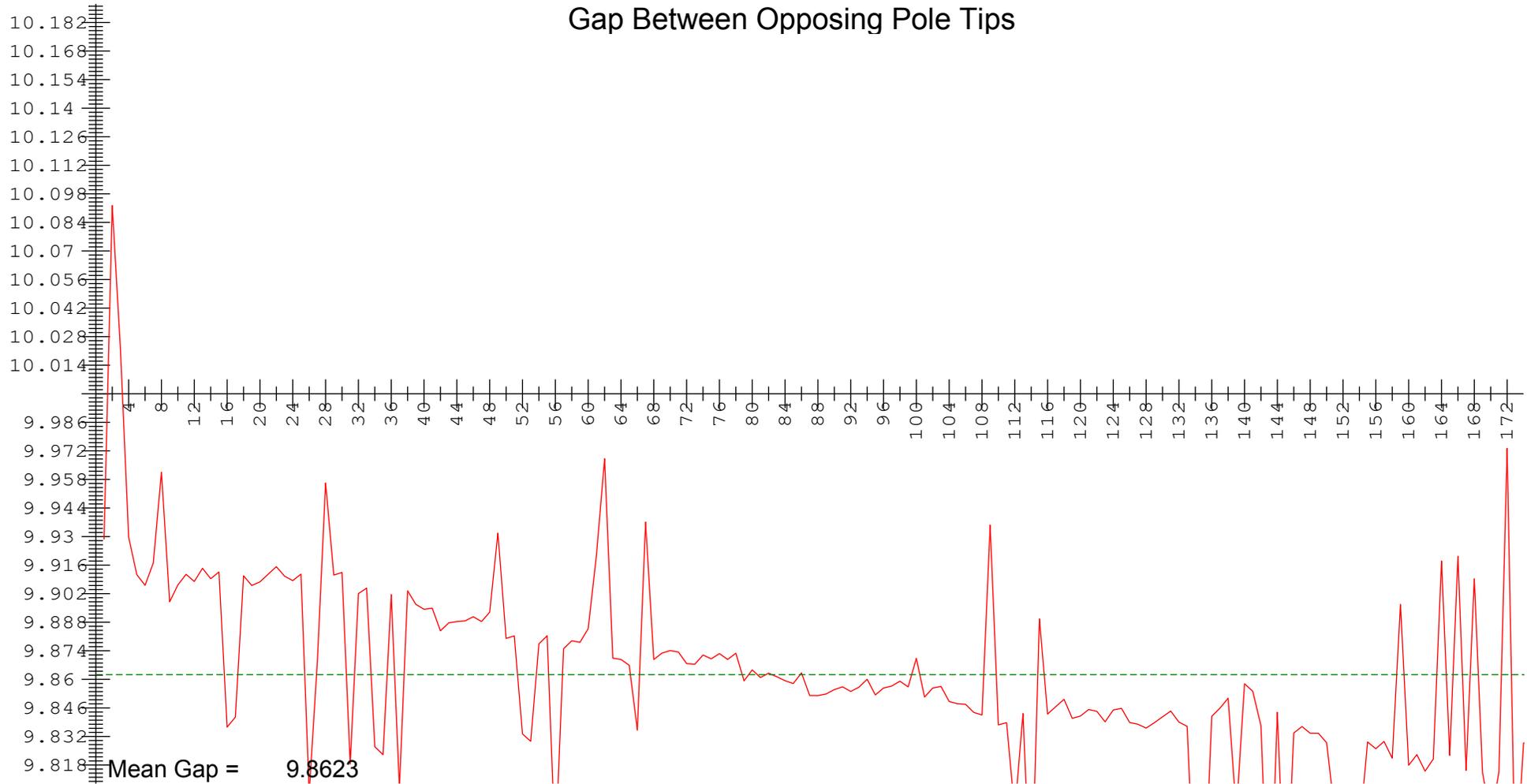
**LCLS II - SXR Undulator**

Nominal Gap = 10      Nominal Taper = -0.100

Gap Reading = 9.9499      US Encoder = 10.0000      DS Encoder = 9.9000

13-SEP-2018  
 S/N = 001  
 D/S = 0004  
 Run = 13

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm

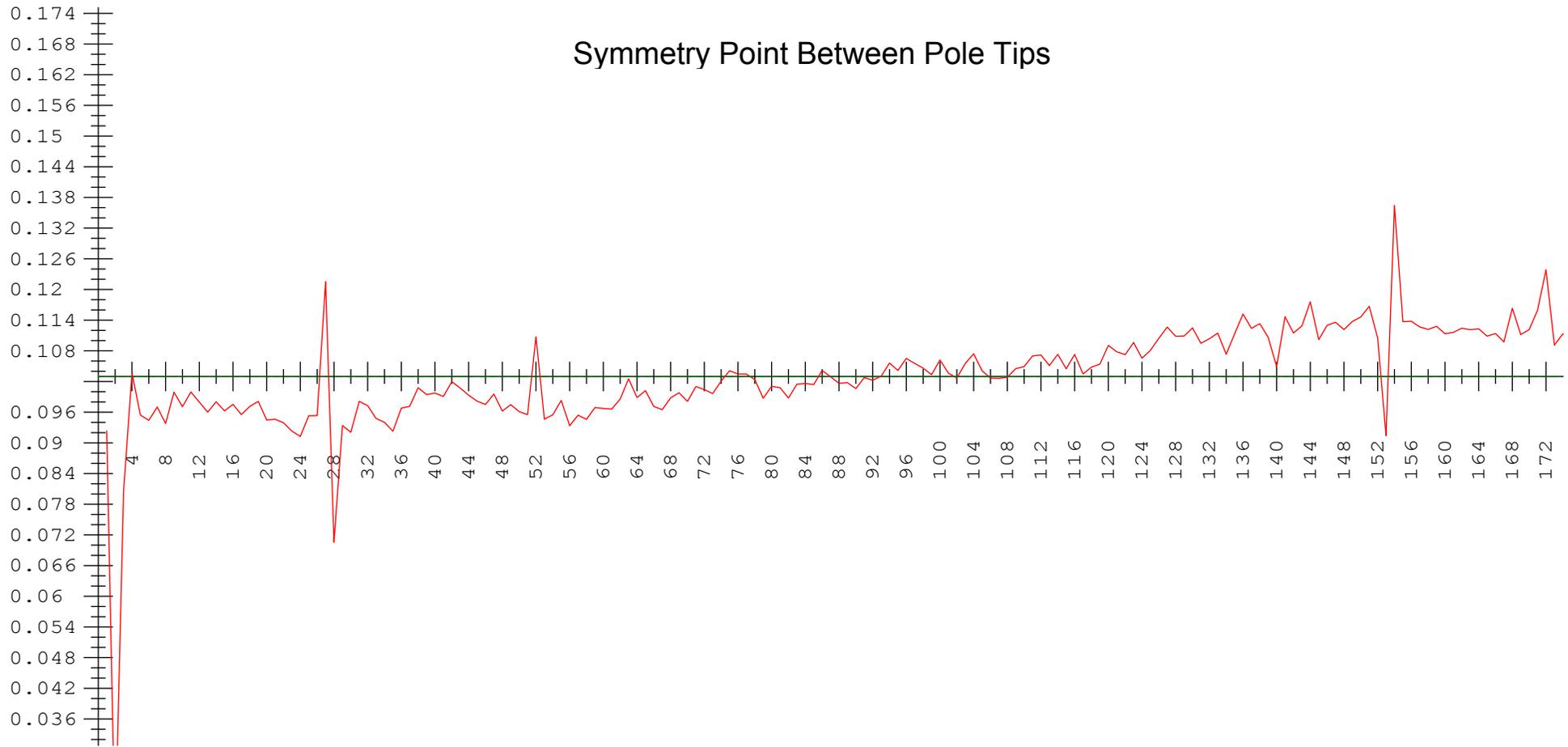


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### Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.1030

Step Between Measured Pole Tips = 1

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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>	5.0468	5.0412	5.0272	5.0215
<b>Bottom</b>	-4.8656	-4.8492	-4.8076	-4.7907
<b>Gap</b>	9.9124			9.8122
<b>Taper</b>				-0.1001

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0341	-4.8282	9.8623	0.1030

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>979.975</b>
<b>Top Jaw Pitch (mrad)</b>	<b>-0.007</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.022</b>
<b>Minimum Effective Gap</b>	<b>9.730</b>
<b>Reference Block Gap</b>	<b>6.807</b>

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