

Minimum Effective Gap = 9.850

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

Regression Line Through Points =   
 Dimensions in mm



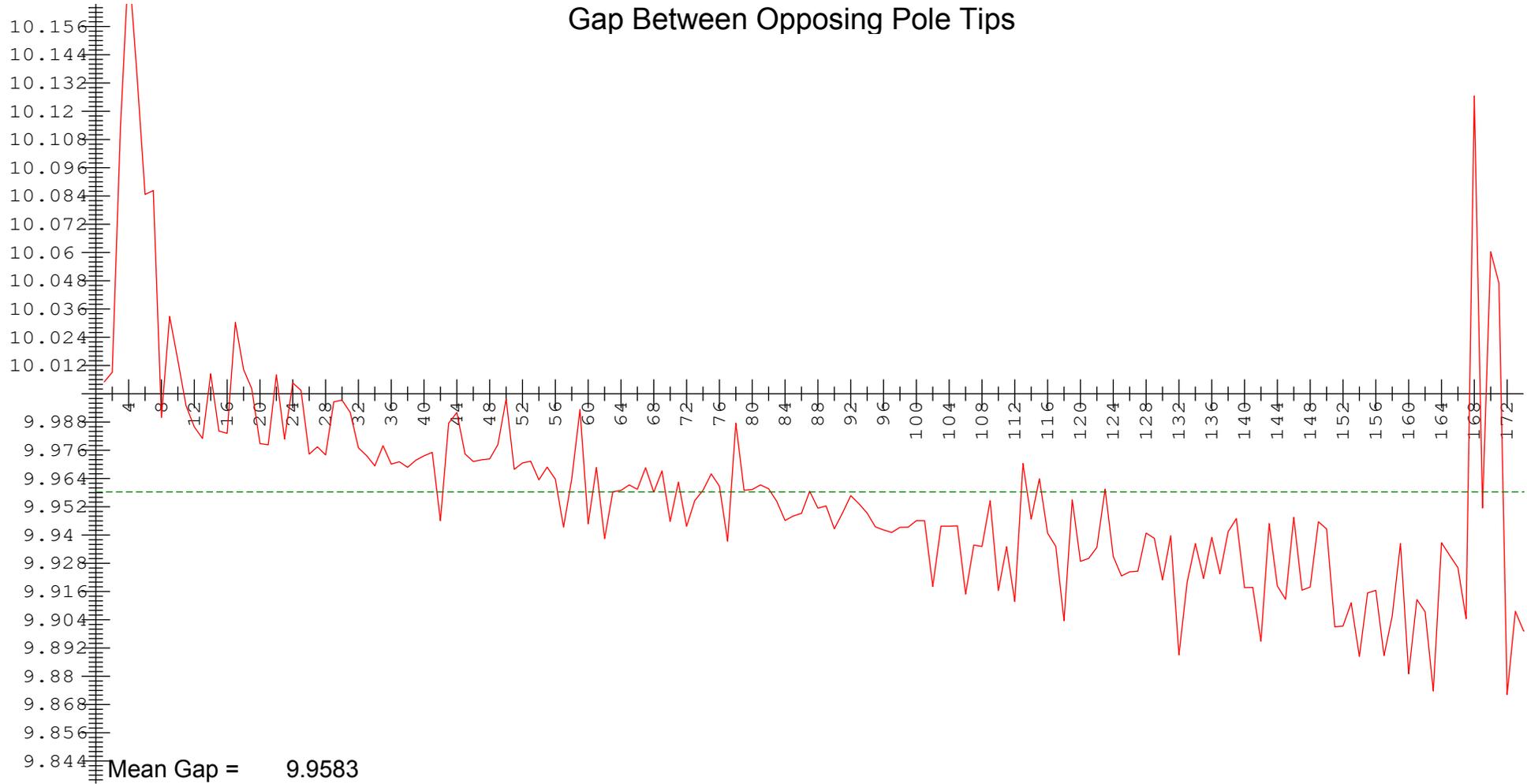
**LCLS II - SXR Undulator**

Nominal Gap = 10      Nominal Taper = -0.100

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

28-FEB-2019  
 S/N = 020  
 D/S = 0001  
 Run = 7

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

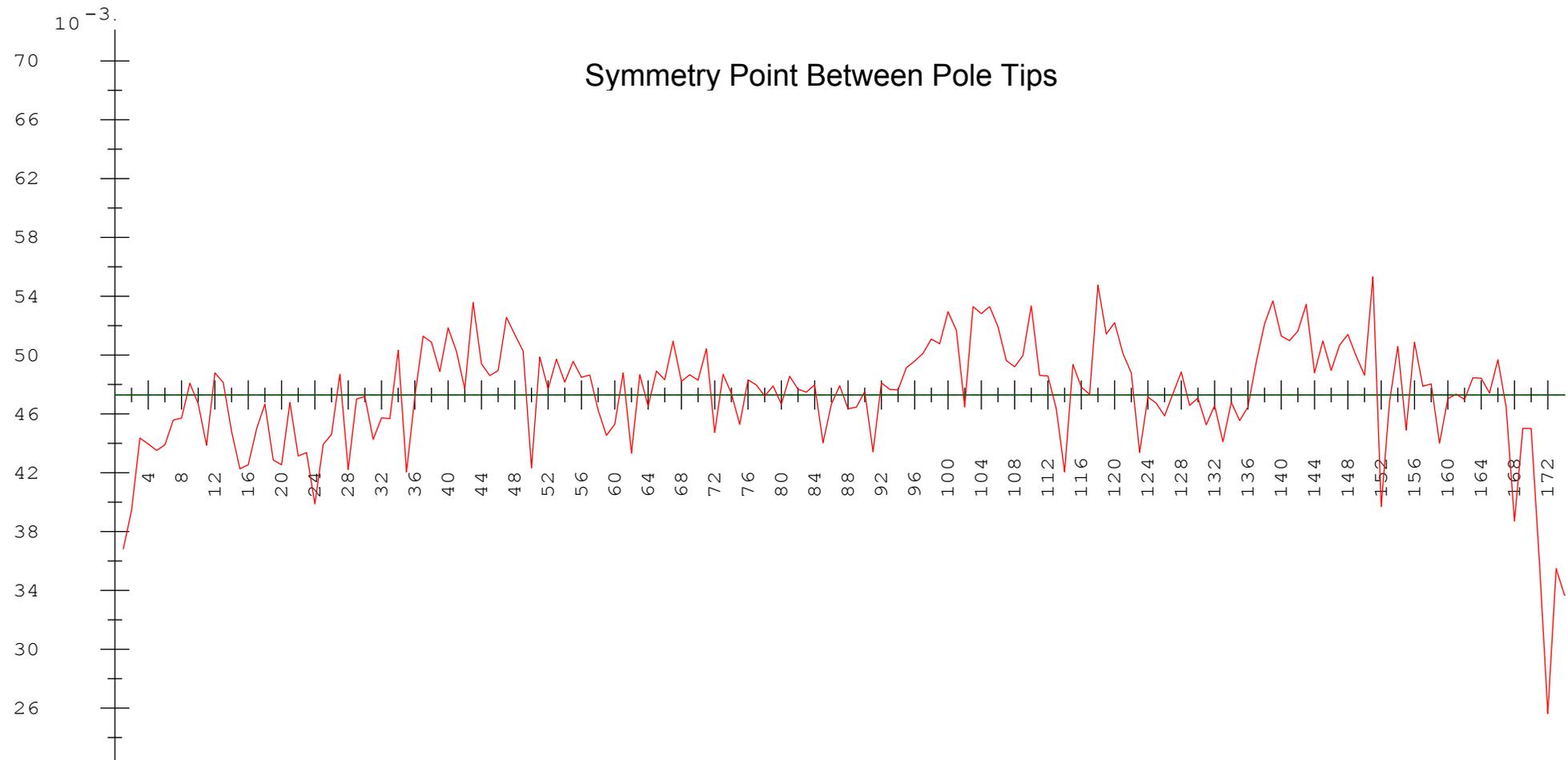
Dimensions in mm



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Mean Symmetry Value = 0.0473

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>	5.0510	5.0402	5.0130	5.0019
<b>Bottom</b>	-4.9576	-4.9463	-4.9177	-4.9062
<b>Gap</b>	10.0085			9.9080
<b>Taper</b>				-0.1005

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0264	-4.9319	9.9583	0.0473

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.524</b>
<b>Top Jaw Pitch (mrad)</b>	<b>-0.015</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.015</b>
<b>Minimum Effective Gap</b>	<b>9.850</b>
<b>Reference Block Gap</b>	<b>6.809</b>

Dimensions in mm



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