

Minimum Effective Gap = 11.977

Y Value Scales Centered on Mean Values  
Step Between Measured Pole Tips = 5

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



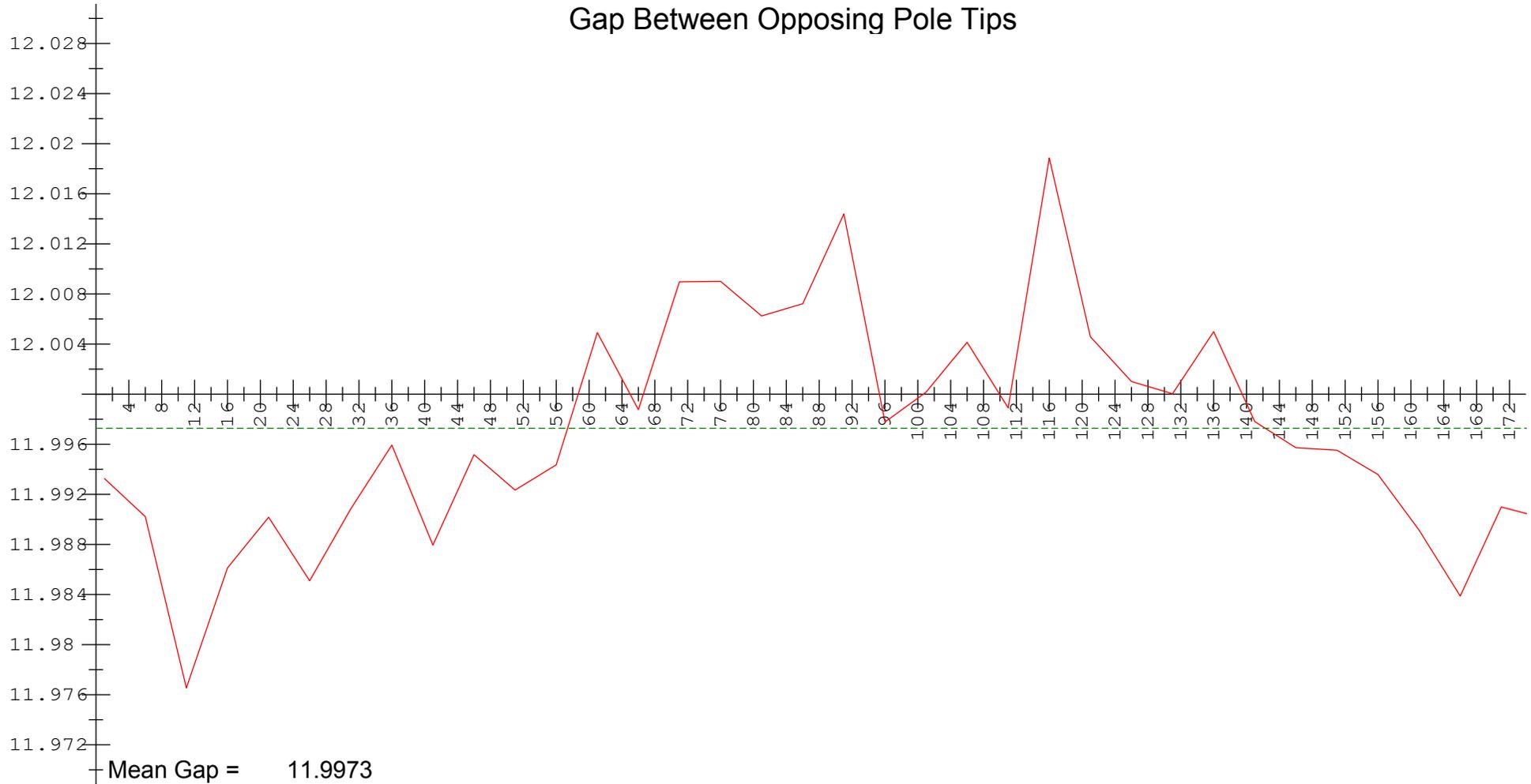
**LCLS II - SXR Undulator**

Nominal Gap = 12      Nominal Taper = 0.000

Gap Reading = 12.0001      US Encoder = 12.0001      DS Encoder = 12.0001

24-OCT-2018  
S/N = 016  
D/S = 0001  
Run = 9

### Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

Dimensions in mm

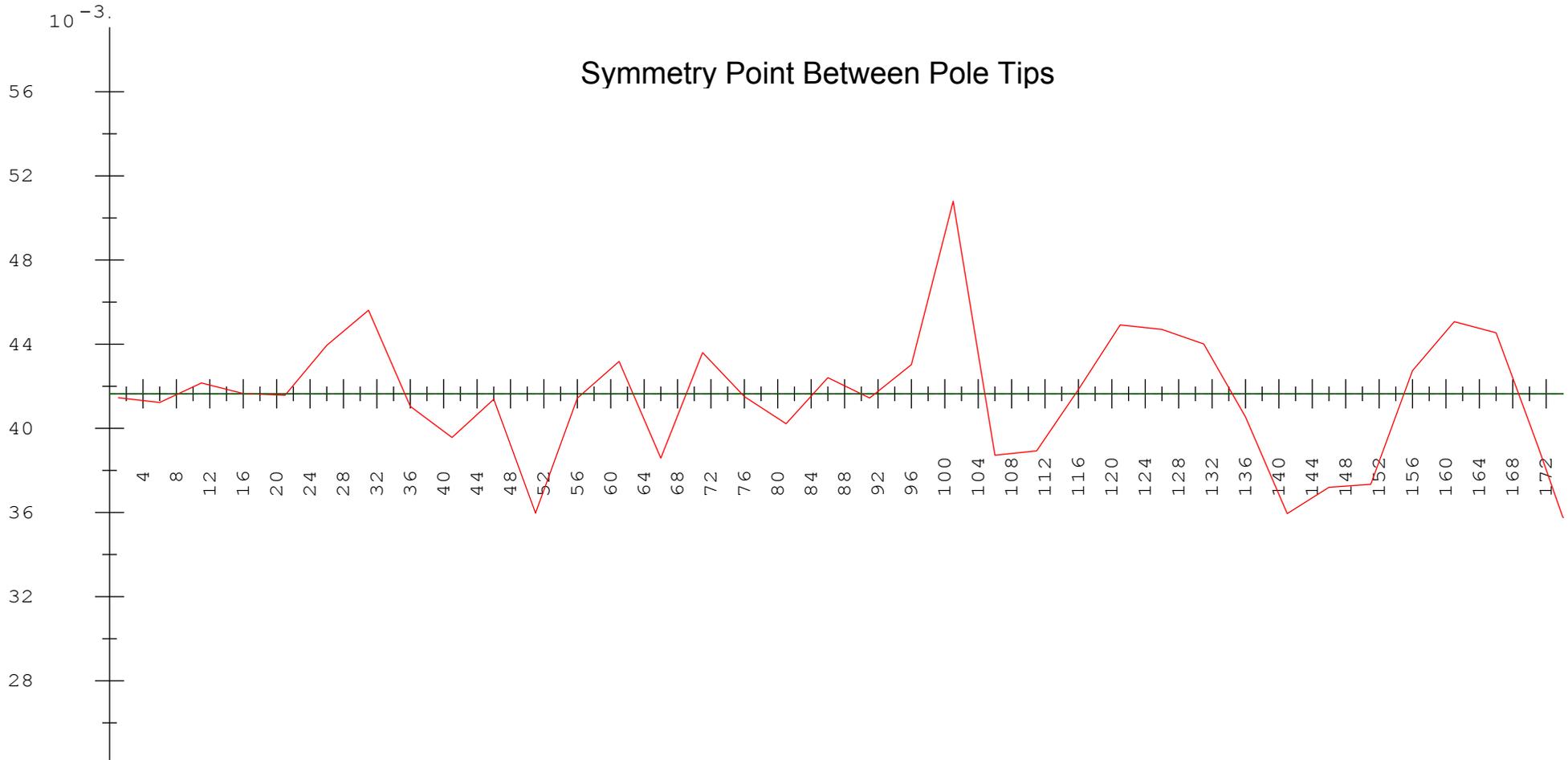


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Nominal Gap = 12      Nominal Taper = 0.000  
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### Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0416

Step Between Measured Pole Tips = 5

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>	6.0390	6.0394	6.0406	6.0410
<b>Bottom</b>	-5.9548	-5.9558	-5.9583	-5.9593
<b>Gap</b>	11.9937			12.0004
<b>Taper</b>				0.0066

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
6.0403	-5.9570	11.9973	0.0416

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>979.935</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.001</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>-0.001</b>
<b>Minimum Effective Gap</b>	<b>11.977</b>
<b>Reference Block Gap</b>	<b>6.809</b>

Dimensions in mm



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