

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 = 13      Nominal Taper = 0.000  
 Gap Reading = 13.0000      US Encoder = 13.0000      DS Encoder = 13.0001

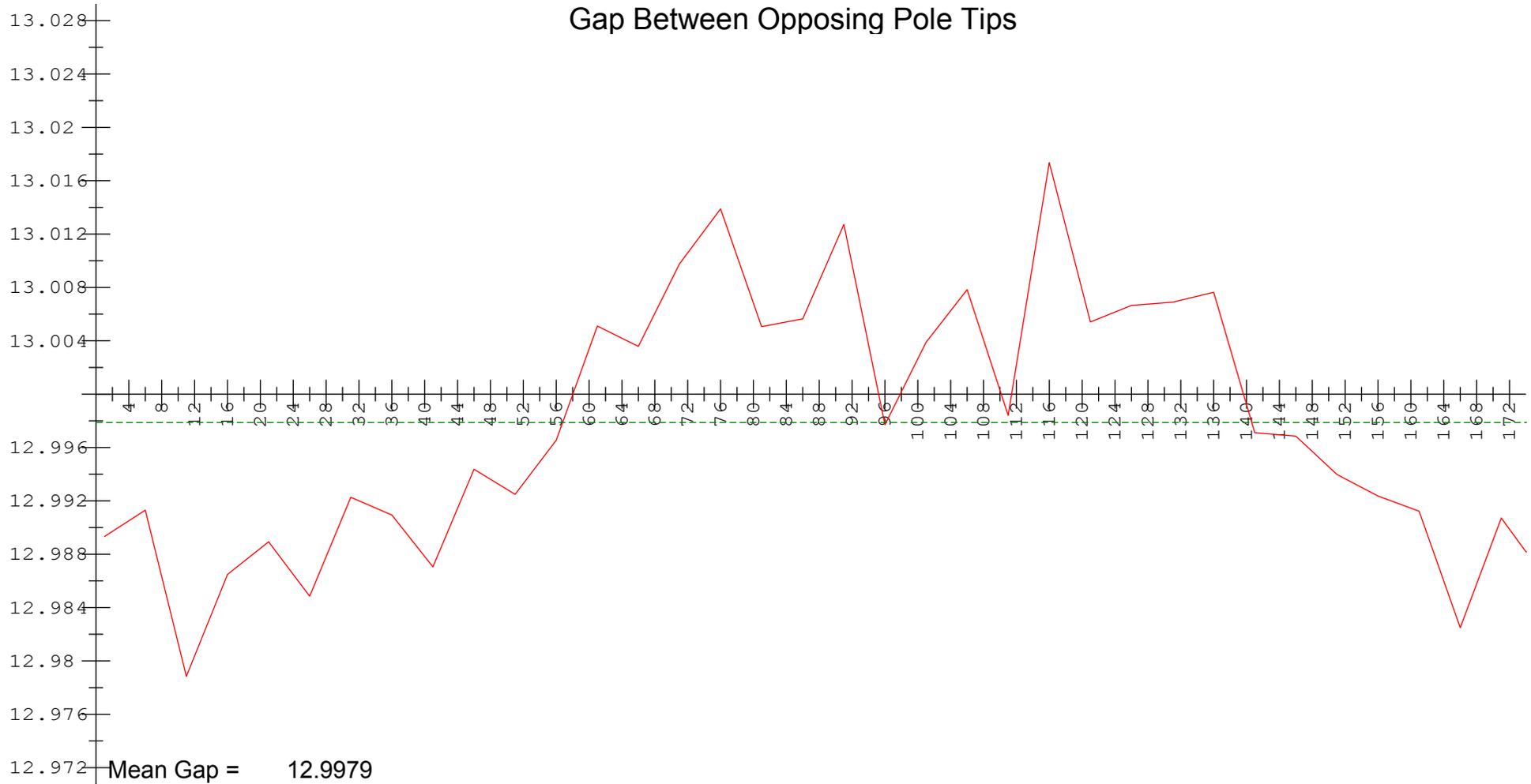
24-OCT-2018

S/N = 016

D/S = 0001

Run = 10

### Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

Dimensions in mm

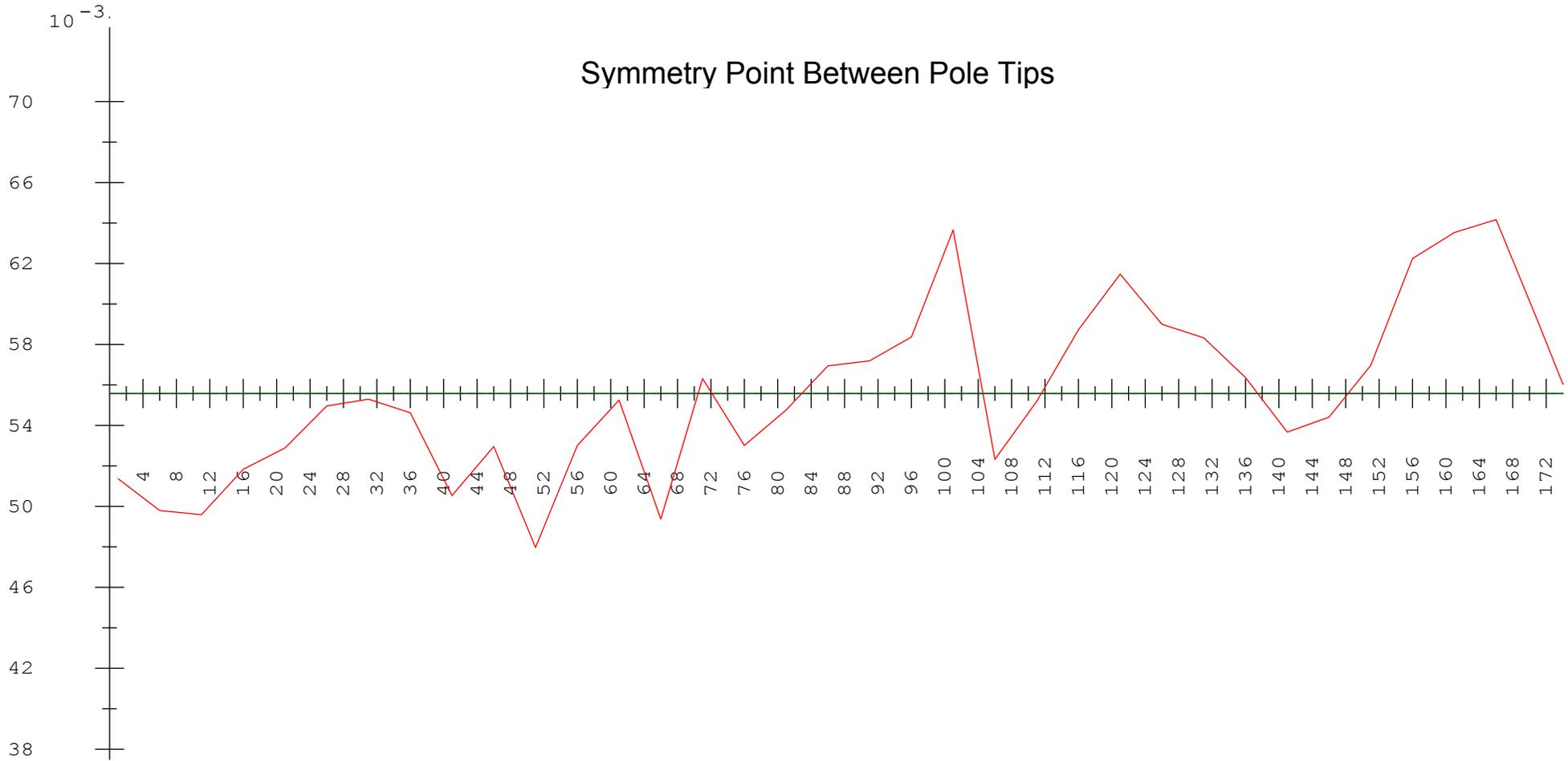


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### Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0556

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>	6.5477	6.5506	6.5580	6.5610
<b>Bottom</b>	-6.4461	-6.4449	-6.4417	-6.4404
<b>Gap</b>	12.9938			13.0014
<b>Taper</b>				0.0076

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
6.5545	-6.4434	12.9979	0.0556

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>979.935</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.004</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.002</b>
<b>Minimum Effective Gap</b>	<b>12.966</b>
<b>Reference Block Gap</b>	<b>6.809</b>

Dimensions in mm



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