

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 = 0.000

Gap Reading = 10.0000

US Encoder = 10.0000

DS Encoder = 10.0000

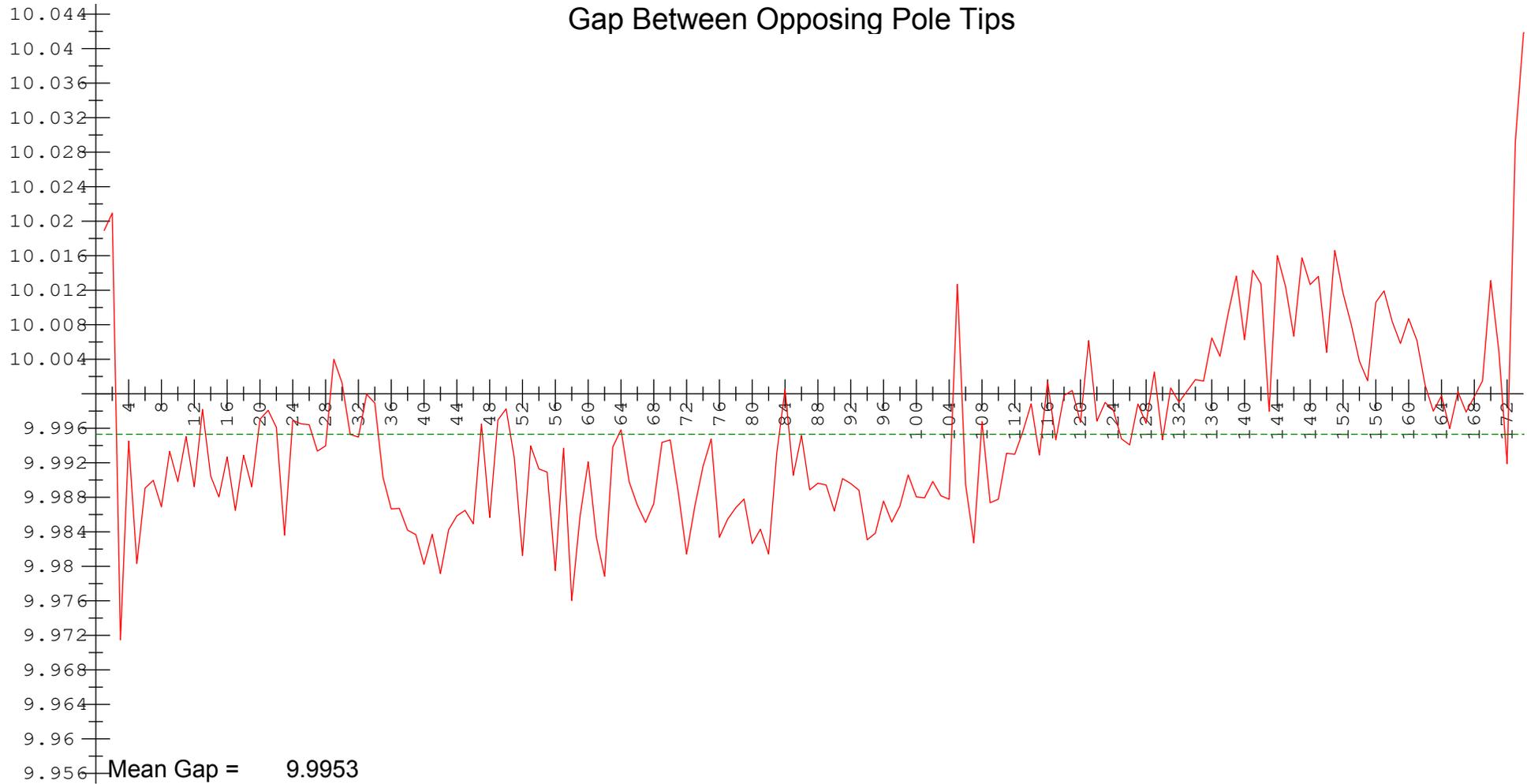
20-APR-2018

S/N = 009

D/S = 0001

Run = 17

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm

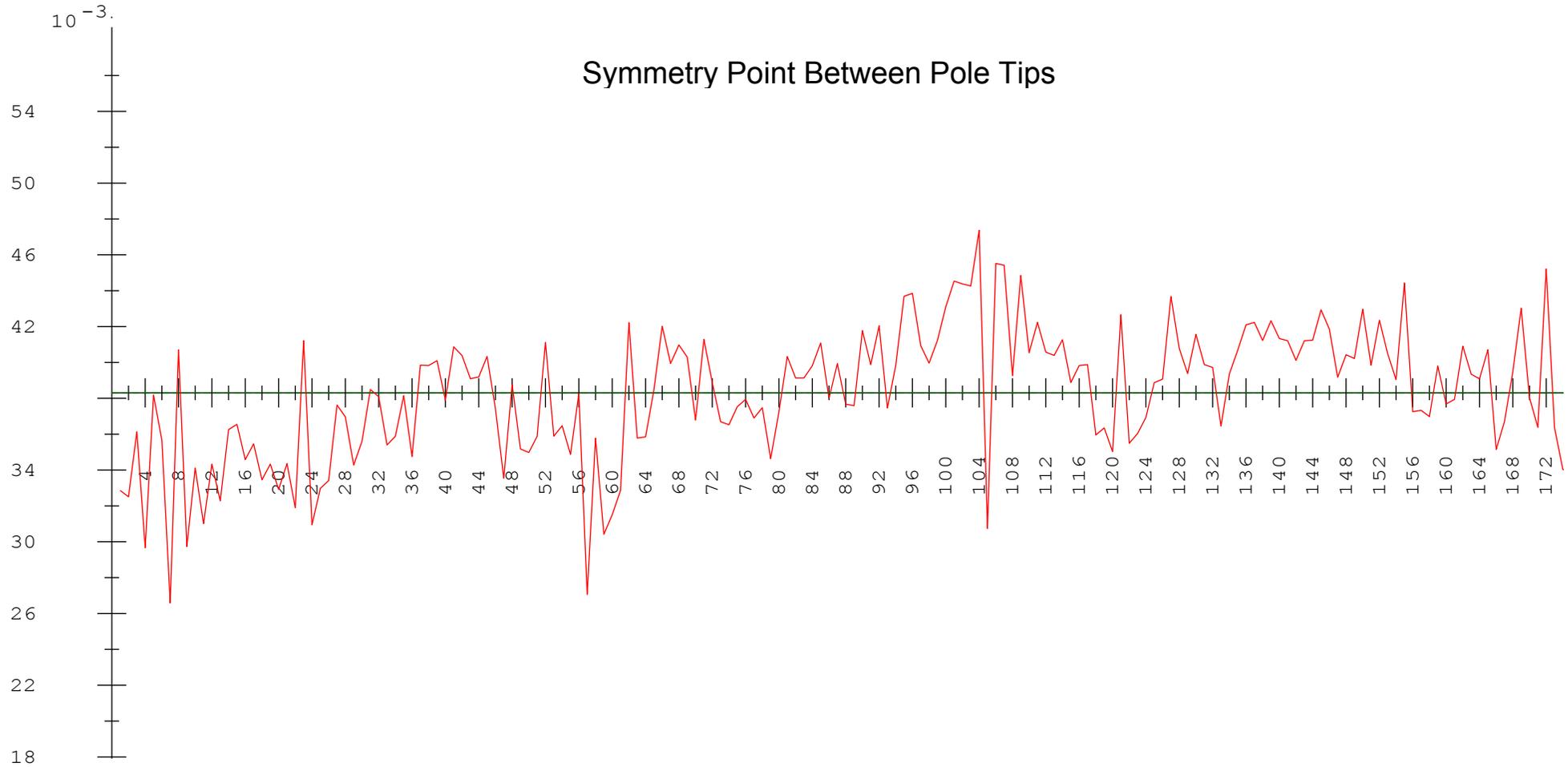


## LCLS II - SXR Undulator

Nominal Gap = 10      Nominal Taper = 0.000  
Gap Reading = 10.0000      US Encoder = 10.0000      DS Encoder = 10.0000

20-APR-2018  
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### Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0383

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>	5.0280	5.0315	5.0403	5.0439
<b>Bottom</b>	-4.9577	-4.9584	-4.9602	-4.9610
<b>Gap</b>	9.9857			10.0049
<b>Taper</b>				0.0192

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0360	-4.9594	9.9953	0.0383

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>979.421</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.005</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>-0.001</b>
<b>Minimum Effective Gap</b>	<b>9.968</b>
<b>Reference Block Gap</b>	<b>6.806</b>

Dimensions in mm



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