

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

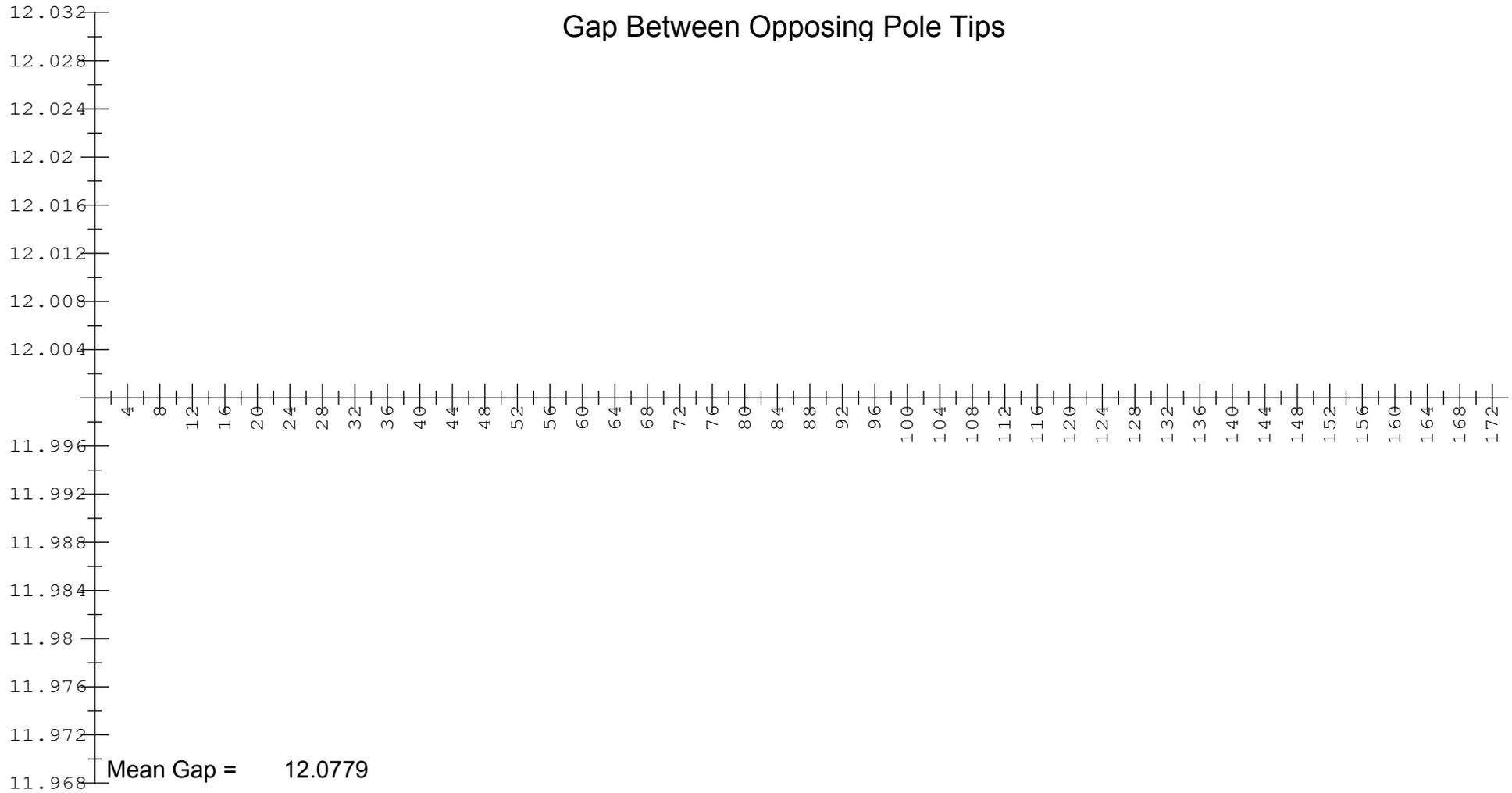
05-APR-2019

S/N = 002

D/S = 0001

Run = 10

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

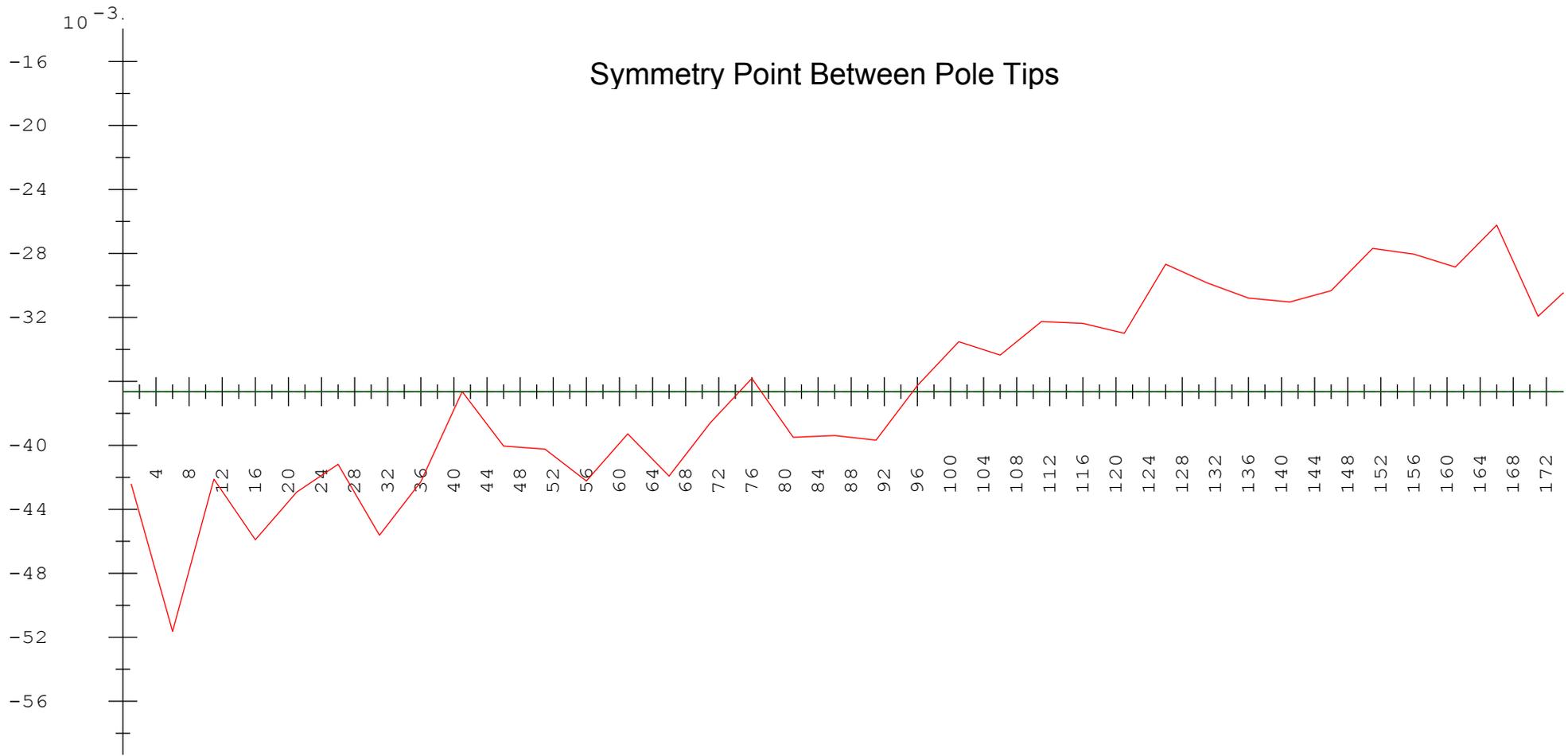
Dimensions in mm



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05-APR-2019  
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Mean Symmetry Value = -0.0366

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>	5.9907	5.9959	6.0091	6.0145
<b>Bottom</b>	-6.0824	-6.0795	-6.0720	-6.0690
<b>Gap</b>	12.0731			12.0835
<b>Taper</b>				0.0104

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
6.0023	-6.0756	12.0779	-0.0366

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.303</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.007</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.004</b>
<b>Minimum Effective Gap</b>	<b>12.035</b>
<b>Reference Block Gap</b>	<b>6.810</b>

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