

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 = 25      Nominal Taper = 0.000  
 Gap Reading = 25.0000      US Encoder = 25.0000      DS Encoder = 25.0000

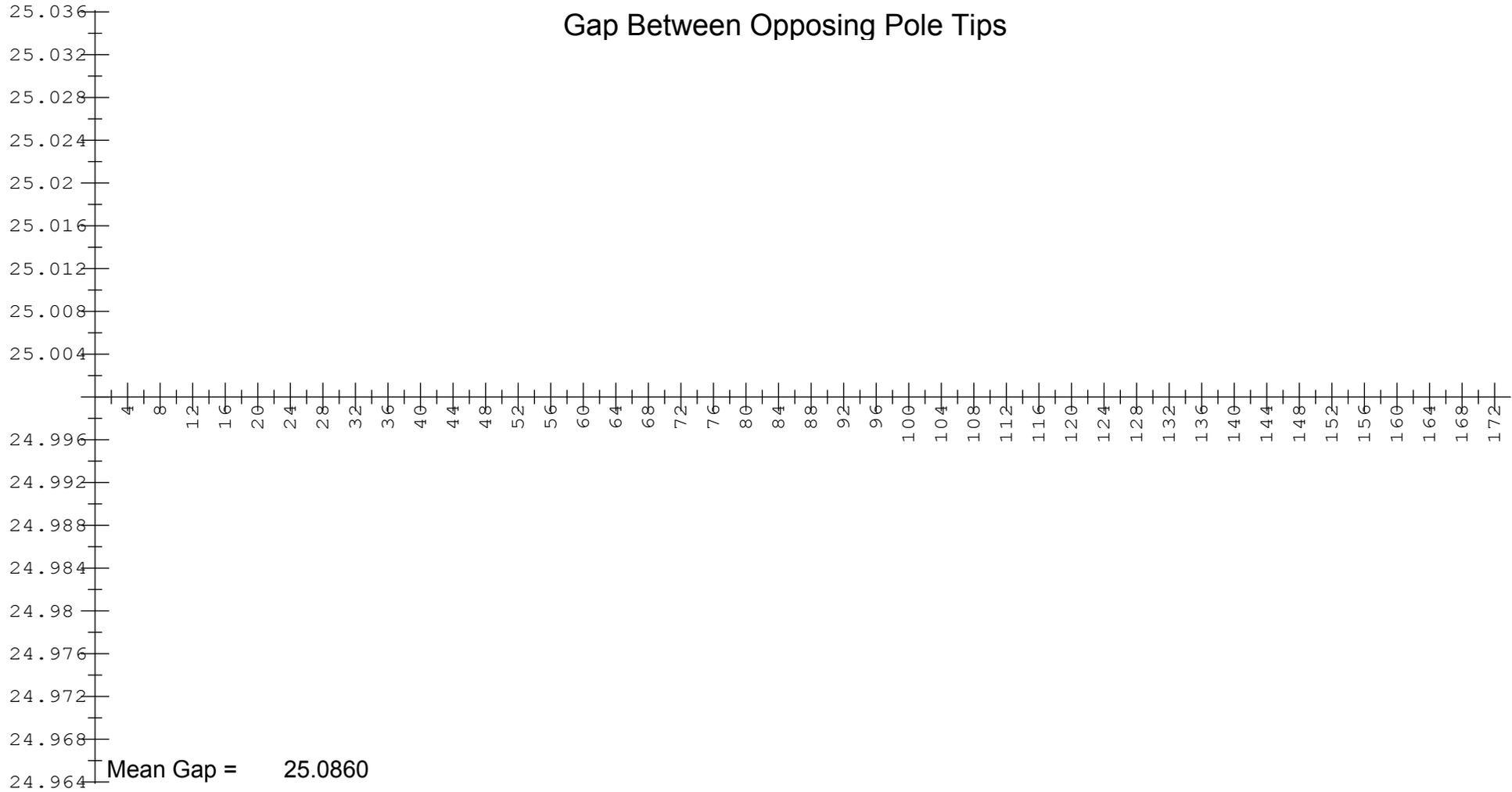
05-APR-2019

S/N = 002

D/S = 0001

Run = 15

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

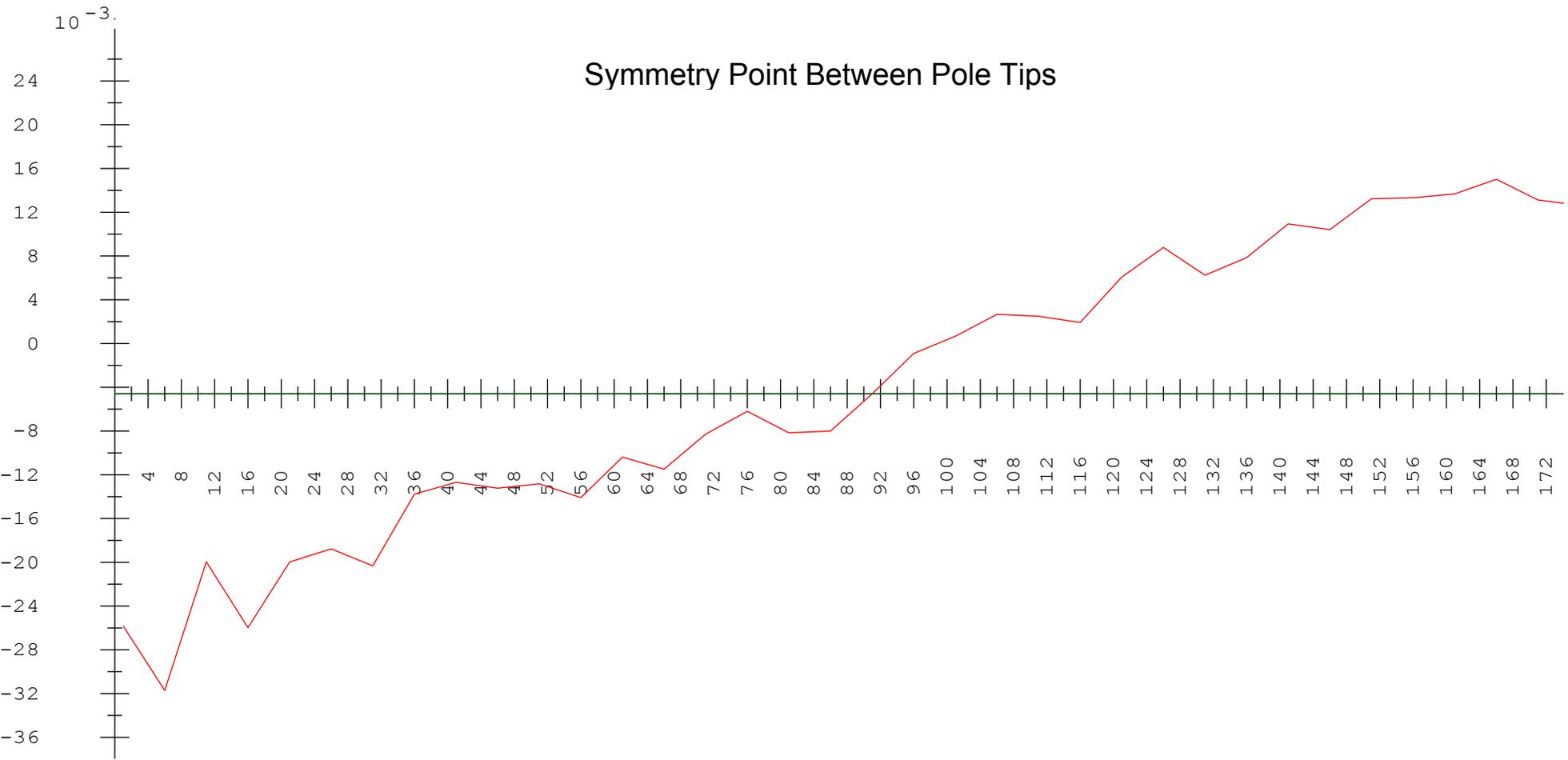
Dimensions in mm



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05-APR-2019  
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 Run = 15



Mean Symmetry Value = -0.0046

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>	12.5139	12.5248	12.5524	12.5636
<b>Bottom</b>	-12.5659	-12.5578	-12.5373	-12.5290
<b>Gap</b>	25.0798			25.0926
<b>Taper</b>				0.0128

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
12.5384	-12.5476	25.0860	-0.0046

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.303</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.015</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.011</b>
<b>Minimum Effective Gap</b>	<b>25.021</b>
<b>Reference Block Gap</b>	<b>6.810</b>

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