

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

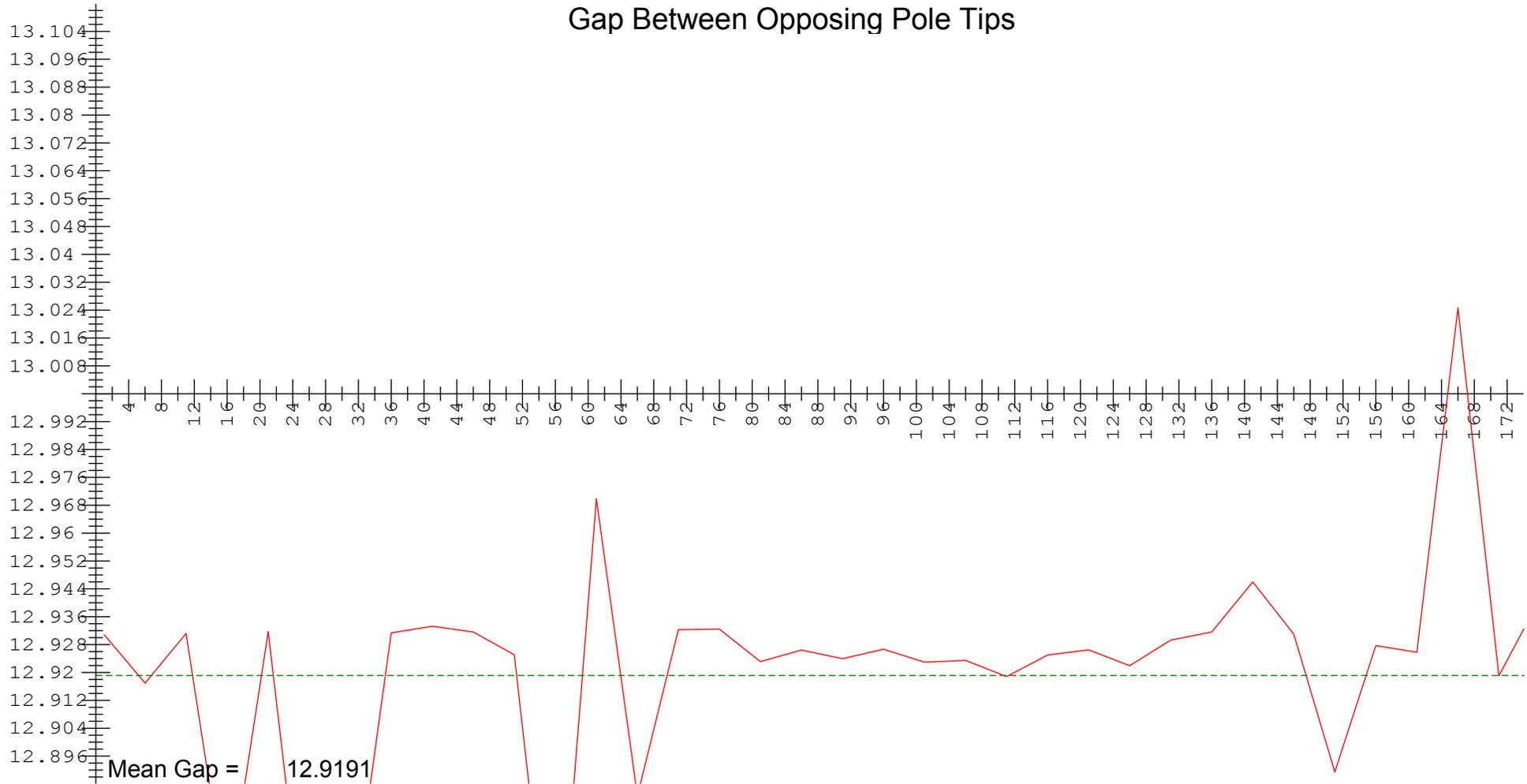
03-MAY-2019

S/N = 001

D/S = 0006

Run = 7

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

Dimensions in mm

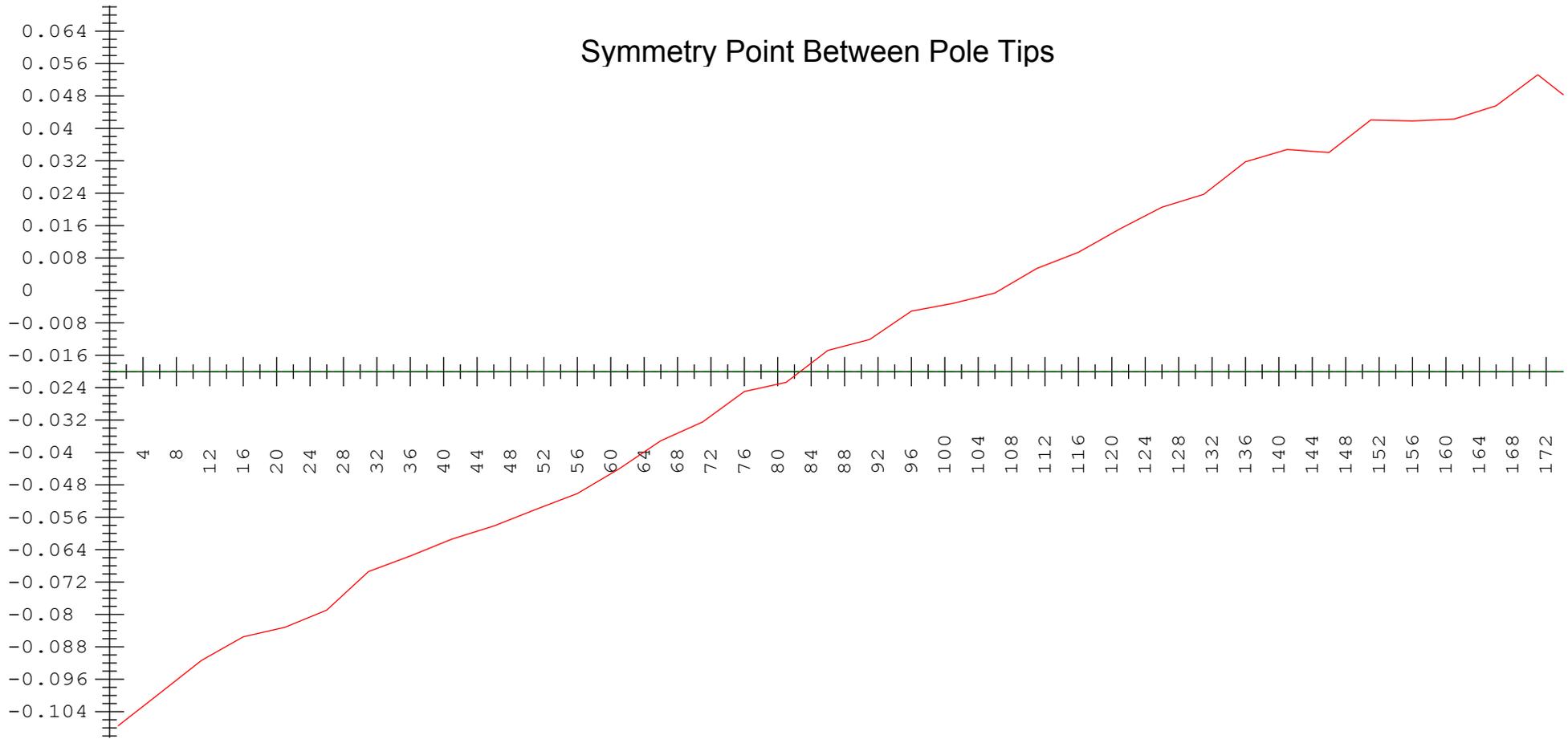


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### Symmetry Point Between Pole Tips



Mean Symmetry Value = -0.0201

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>	6.3499	6.3897	6.4904	6.5314
<b>Bottom</b>	-6.5478	-6.5174	-6.4407	-6.4095
<b>Gap</b>	12.8977			12.9409
<b>Taper</b>				0.0432

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
6.4395	-6.4796	12.9191	-0.0201

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.047</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.054</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.041</b>
<b>Minimum Effective Gap</b>	<b>12.741</b>
<b>Reference Block Gap</b>	<b>6.807</b>

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