

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 87

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 = 10.0001

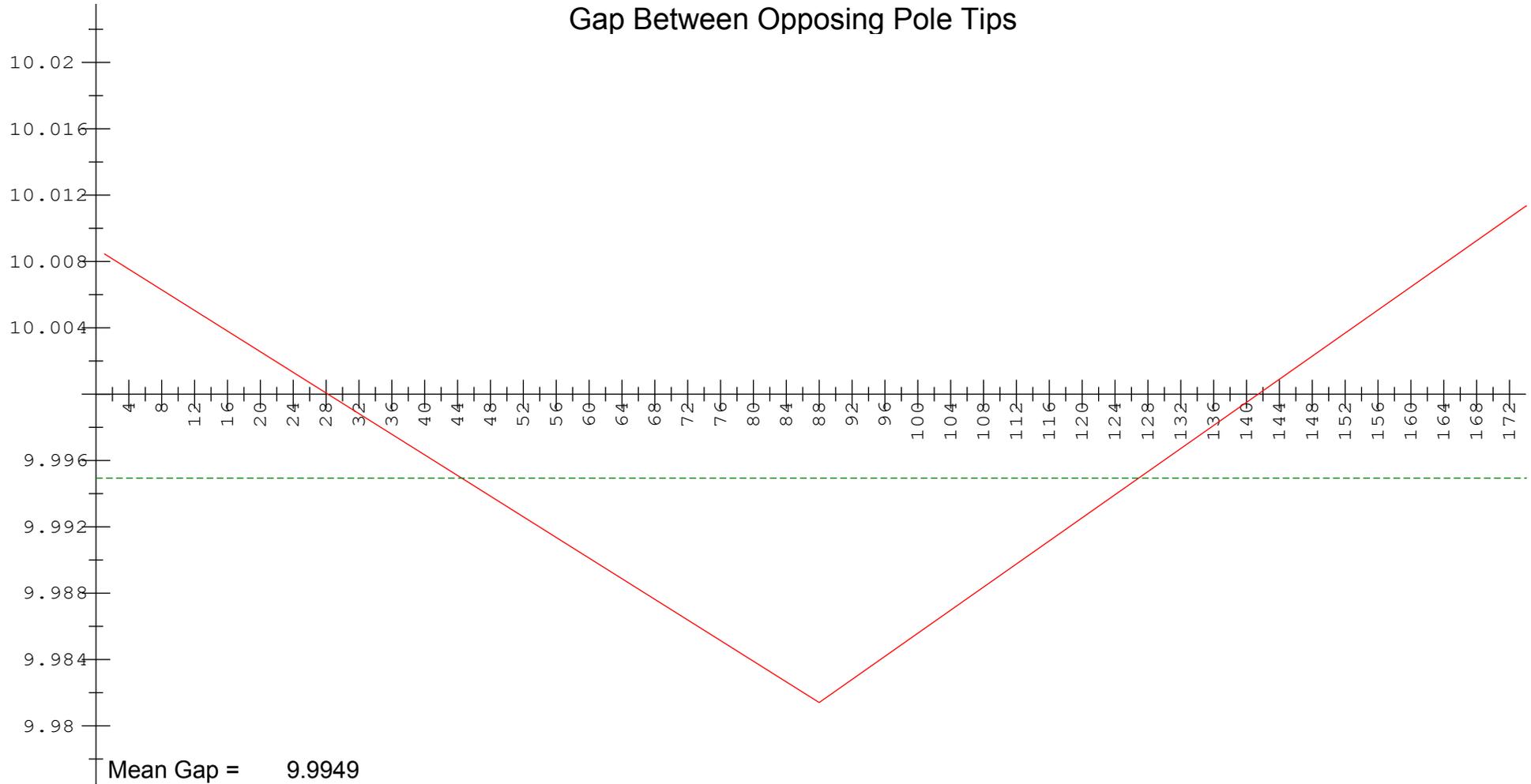
21-JUN-2019

S/N = 001

D/S = 0007

Run = 6

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 87

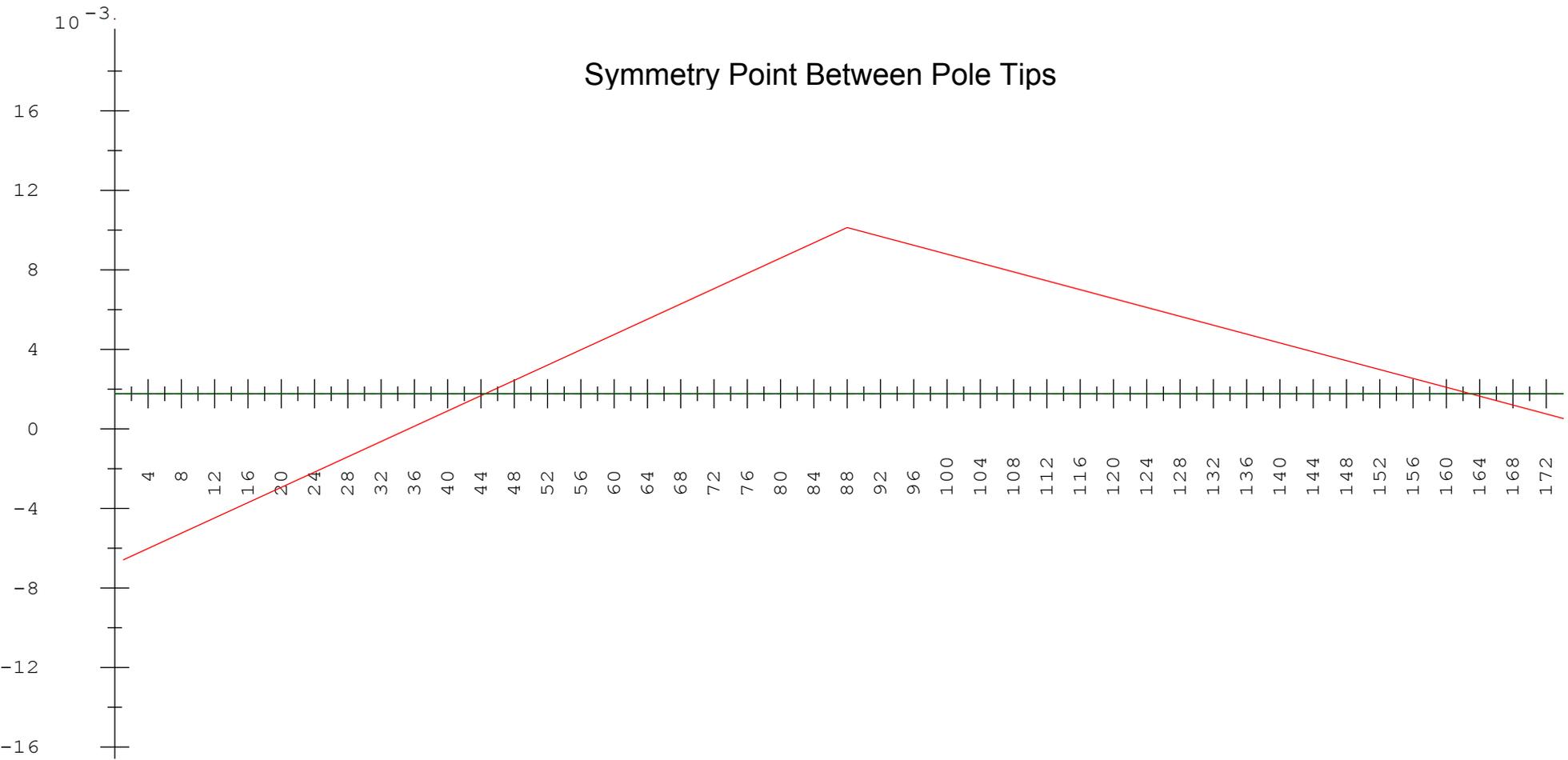
Dimensions in mm



## LCLS II - SXR Undulator

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Mean Symmetry Value = 0.0018

Step Between Measured Pole Tips = 87

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>	4.9973	4.9992	5.0039	5.0058
<b>Bottom</b>	-5.0017	-5.0005	-4.9973	-4.9960
<b>Gap</b>	9.9990			10.0018
<b>Taper</b>				0.0028

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.9992	-4.9957	9.9949	0.0018

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.075</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.003</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.002</b>
<b>Minimum Effective Gap</b>	<b>9.978</b>
<b>Reference Block Gap</b>	<b>6.802</b>

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