

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 = -0.100  
 Gap Reading = 9.9500      US Encoder = 10.0000      DS Encoder = 9.9000

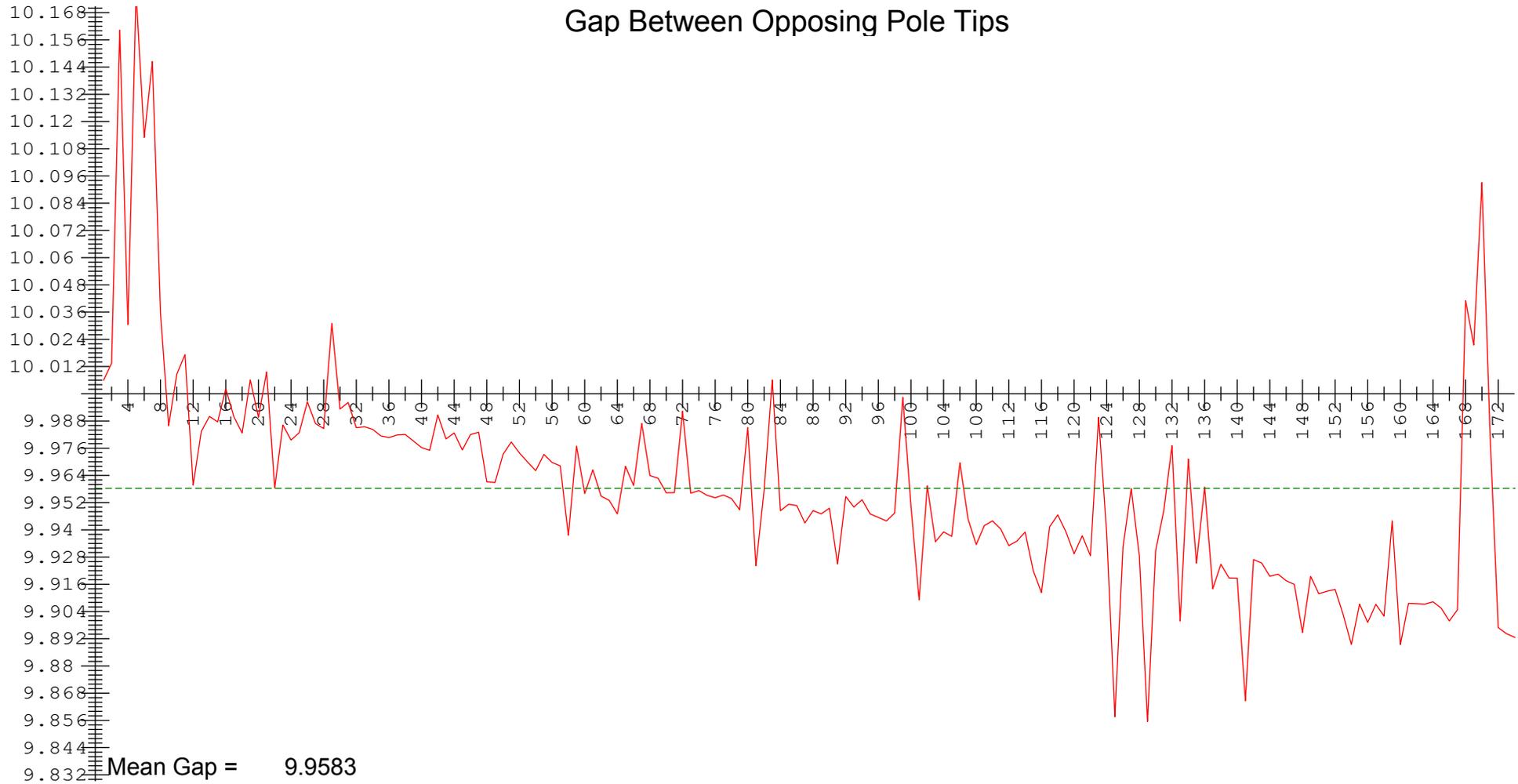
06-DEC-2018

S/N = 017

D/S = 0001

Run = 7

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

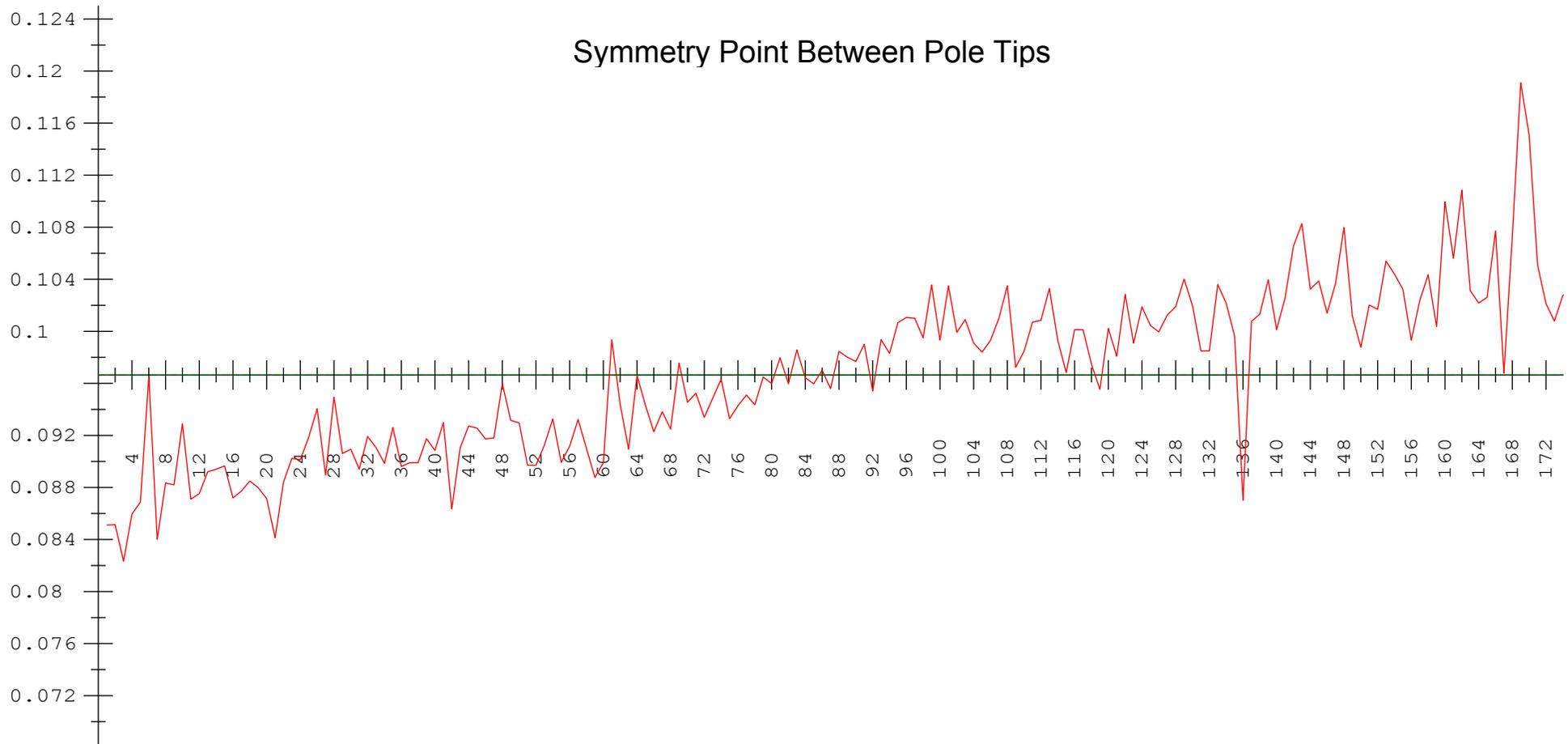
Dimensions in mm



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Mean Symmetry Value = 0.0966

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>	5.0932	5.0855	5.0663	5.0584
<b>Bottom</b>	-4.9191	-4.9030	-4.8624	-4.8459
<b>Gap</b>	10.0123			9.9044
<b>Taper</b>				-0.1079

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0758	-4.8825	9.9583	0.0966

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.178</b>
<b>Top Jaw Pitch (mrad)</b>	<b>-0.010</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.022</b>
<b>Minimum Effective Gap</b>	<b>9.853</b>
<b>Reference Block Gap</b>	<b>6.806</b>

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