

Minimum Effective Gap = 9.946

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 = 0.000  
 Gap Reading = 10.0001      US Encoder = 10.0001      DS Encoder = 10.0001

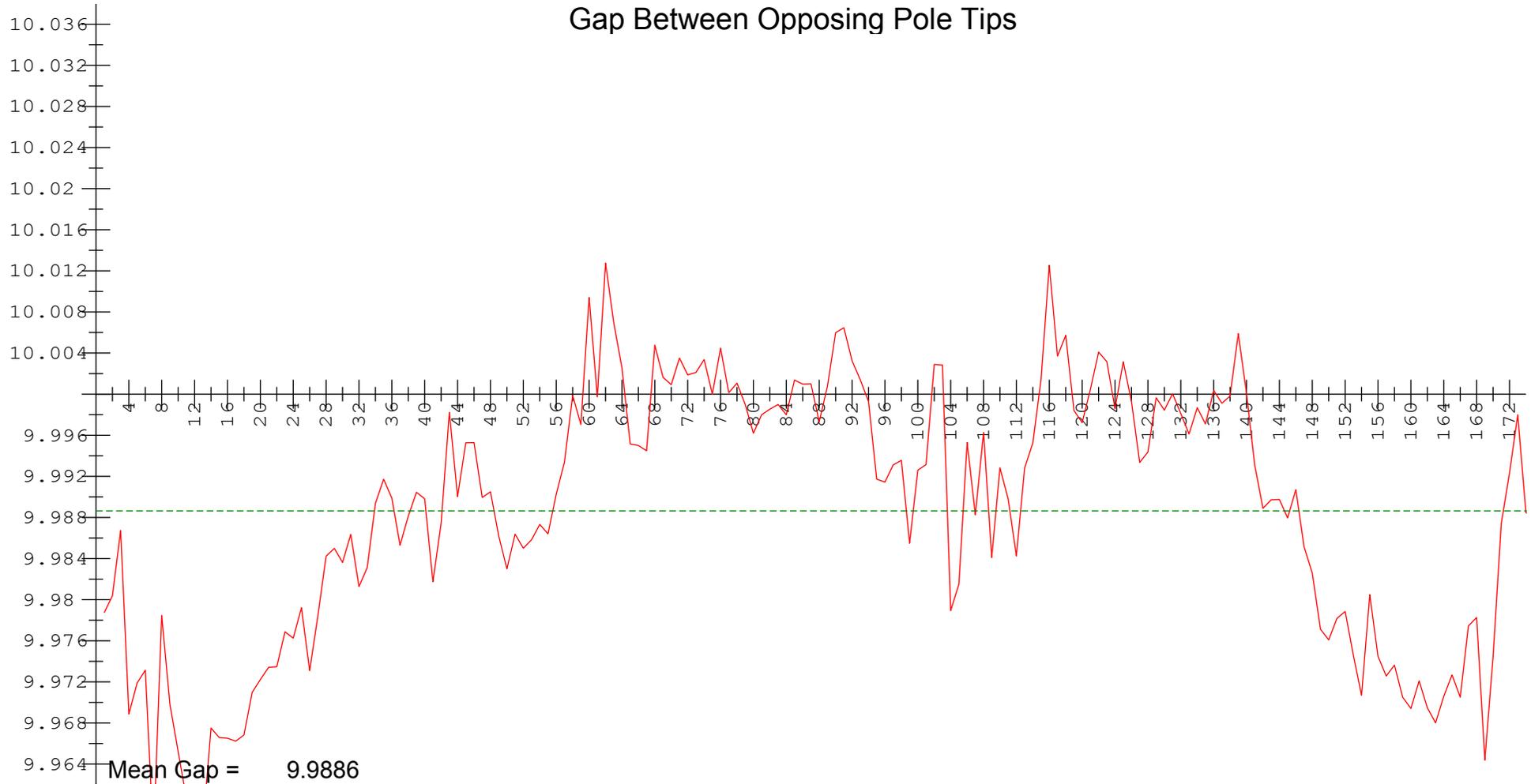
23-OCT-2018

S/N = 016

D/S = 0001

Run = 2

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

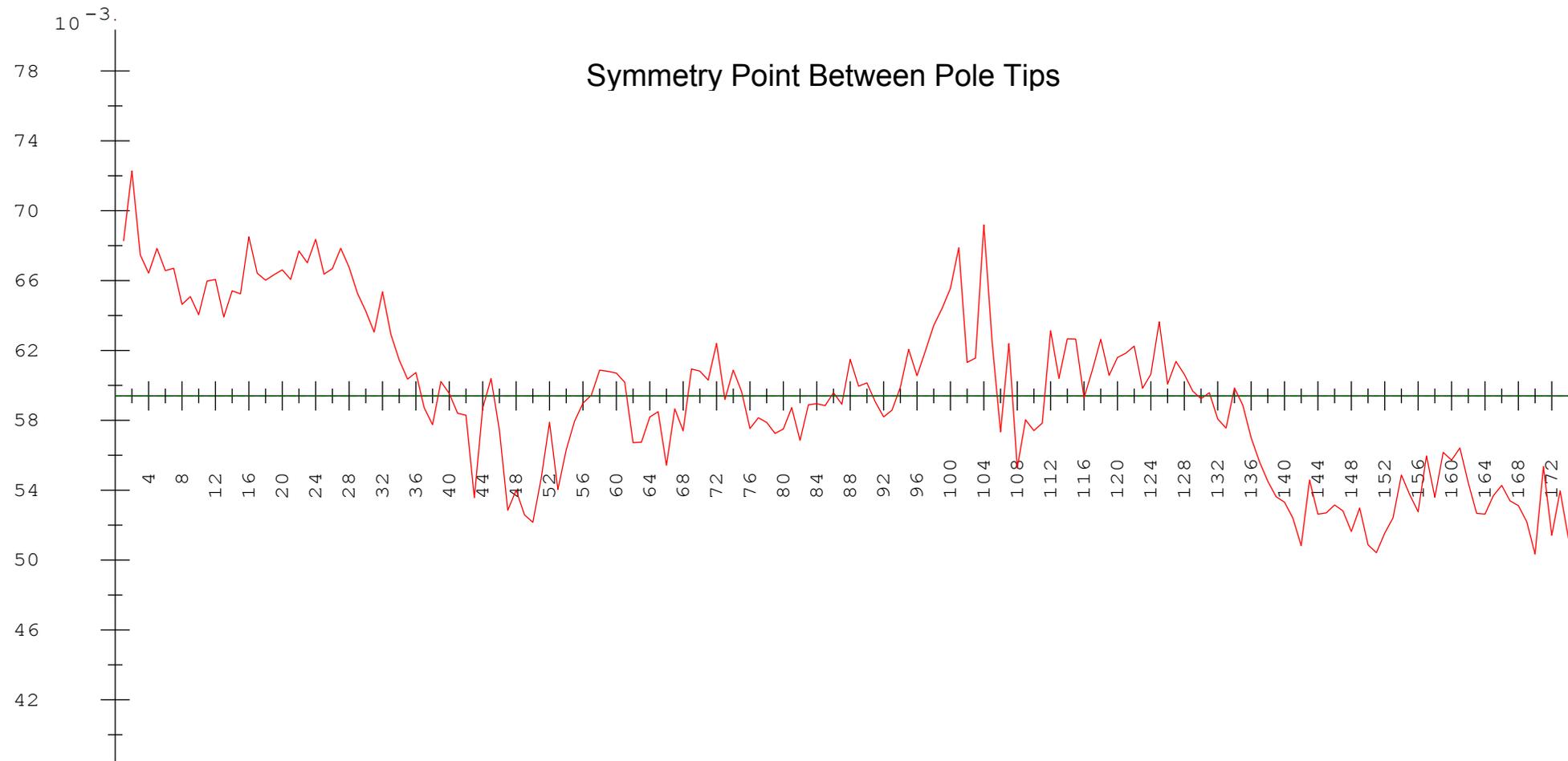
Dimensions in mm



## LCLS II - SXR Undulator

Nominal Gap = 10      Nominal Taper = 0.000  
 Gap Reading = 10.0001      US Encoder = 10.0001      DS Encoder = 10.0001

23-OCT-2018  
 S/N = 016  
 D/S = 0001  
 Run = 2



Mean Symmetry Value = 0.0594

Step Between Measured Pole Tips = 1

Dimensions in mm



## LCLS II - SXR Undulator

Nominal Gap = 10                      Nominal Taper = 0.000  
 Gap Reading = 10.0001      US Encoder = 10.0001      DS Encoder = 10.0001

23-OCT-2018  
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 Run = 2

## 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>	5.0574	5.0558	5.0517	5.0500
<b>Bottom</b>	-4.9273	-4.9306	-4.9391	-4.9426
<b>Gap</b>	9.9847			9.9926
<b>Taper</b>				0.0079

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0537	-4.9349	9.9886	0.0594

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>979.935</b>
<b>Top Jaw Pitch (mrad)</b>	<b>-0.002</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>-0.005</b>
<b>Minimum Effective Gap</b>	<b>9.946</b>
<b>Reference Block Gap</b>	<b>6.809</b>

Dimensions in mm



### LCLS II - SXR Undulator

Nominal Gap = 10      Nominal Taper = 0.000  
 Gap Reading = 10.0001      US Encoder = 10.0001      DS Encoder = 10.0001

23-OCT-2018  
 S/N = 016  
 D/S = 0001  
 Run = 2