

Minimum Effective Gap = 9.960

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 = 9.9999      US Encoder = 9.9999      DS Encoder = 10.0000

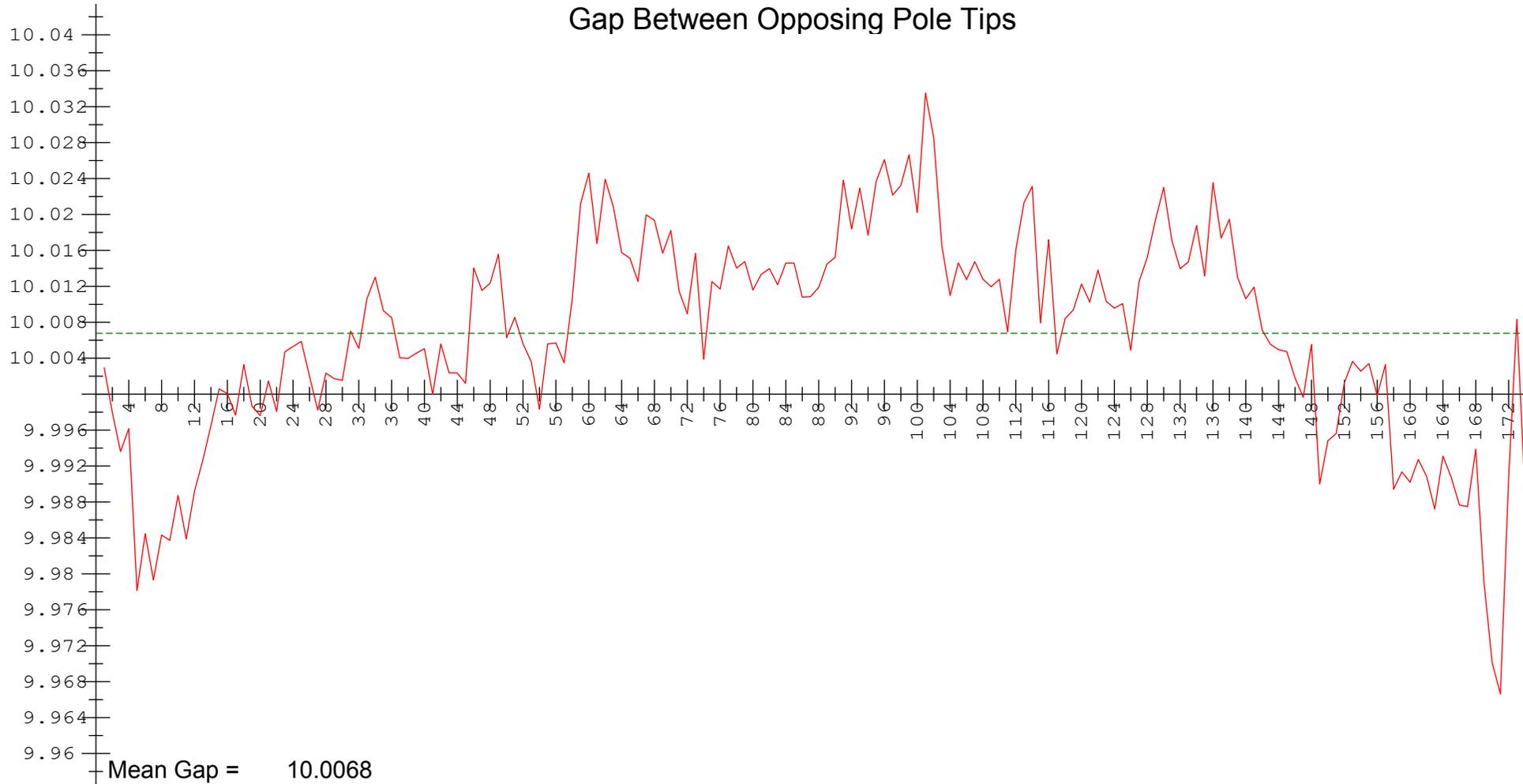
21-JUN-2018

S/N = 012

D/S = 0001

Run = 3

### Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm

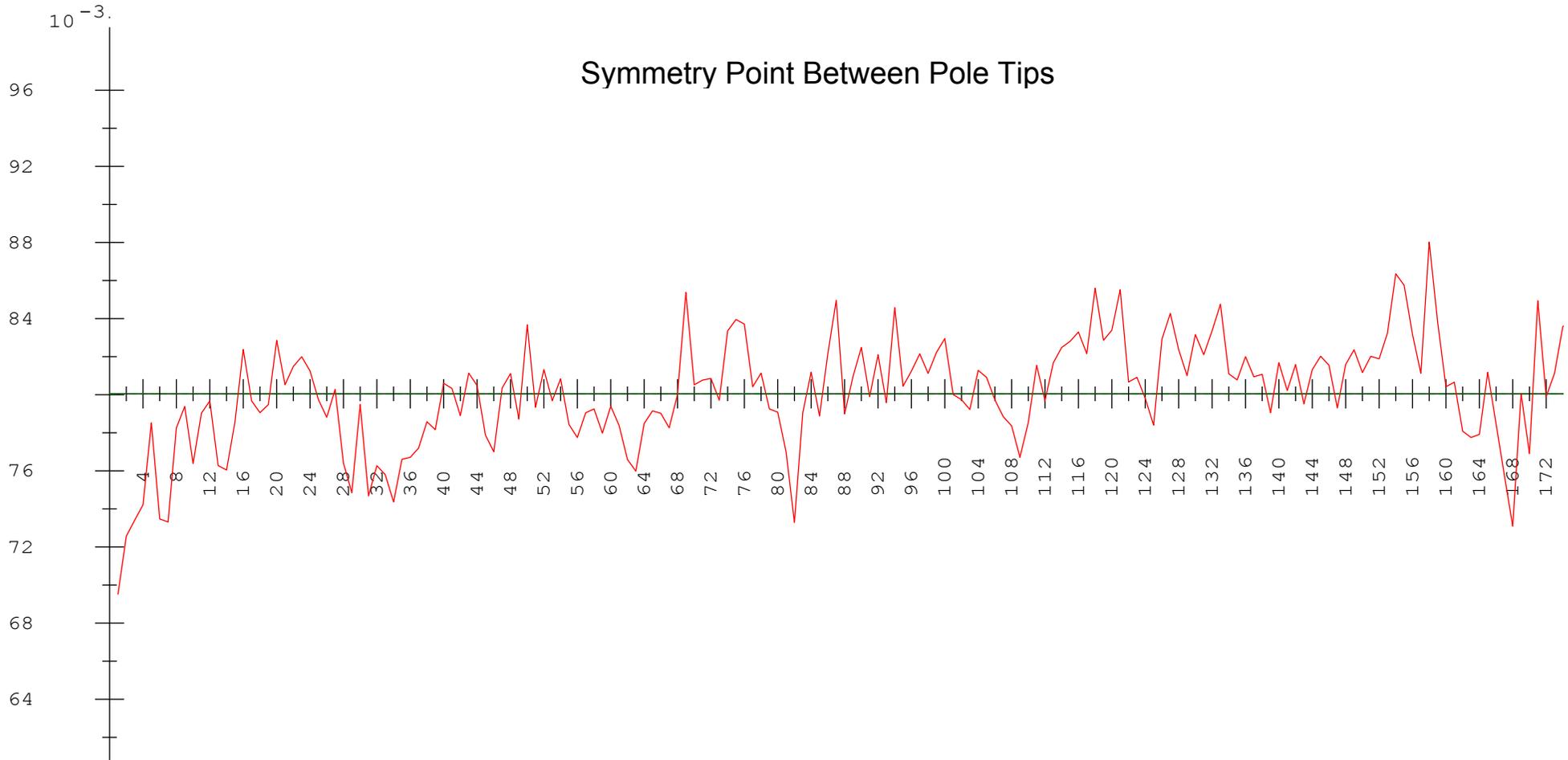


### LCLS II - SXR Undulator

Nominal Gap = 10      Nominal Taper = 0.000  
 Gap Reading = 9.9999      US Encoder = 9.9999      DS Encoder = 10.0000

21-JUN-2018  
 S/N = 012  
 D/S = 0001  
 Run = 3

### Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0800

Step Between Measured Pole Tips = 1

Dimensions in mm



### LCLS II - SXR Undulator

Nominal Gap = 10      Nominal Taper = 0.000  
 Gap Reading = 9.9999      US Encoder = 9.9999      DS Encoder = 10.0000

21-JUN-2018  
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 Run = 3

## 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>	5.0809	5.0820	5.0848	5.0860
<b>Bottom</b>	-4.9254	-4.9245	-4.9222	-4.9213
<b>Gap</b>	10.0062			10.0073
<b>Taper</b>				0.0011

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0834	-4.9233	10.0068	0.0800

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>979.792</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.002</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.001</b>
<b>Minimum Effective Gap</b>	<b>9.960</b>
<b>Reference Block Gap</b>	<b>6.808</b>

Dimensions in mm



### LCLS II - SXR Undulator

Nominal Gap = 10                      Nominal Taper = 0.000  
 Gap Reading = 9.9999      US Encoder = 9.9999      DS Encoder = 10.0000

21-JUN-2018  
 S/N = 012  
 D/S= 0001  
 Run= 3