

Minimum Effective Gap = 11.743

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 5

Regression Line Through Points = -----

Dimensions in mm

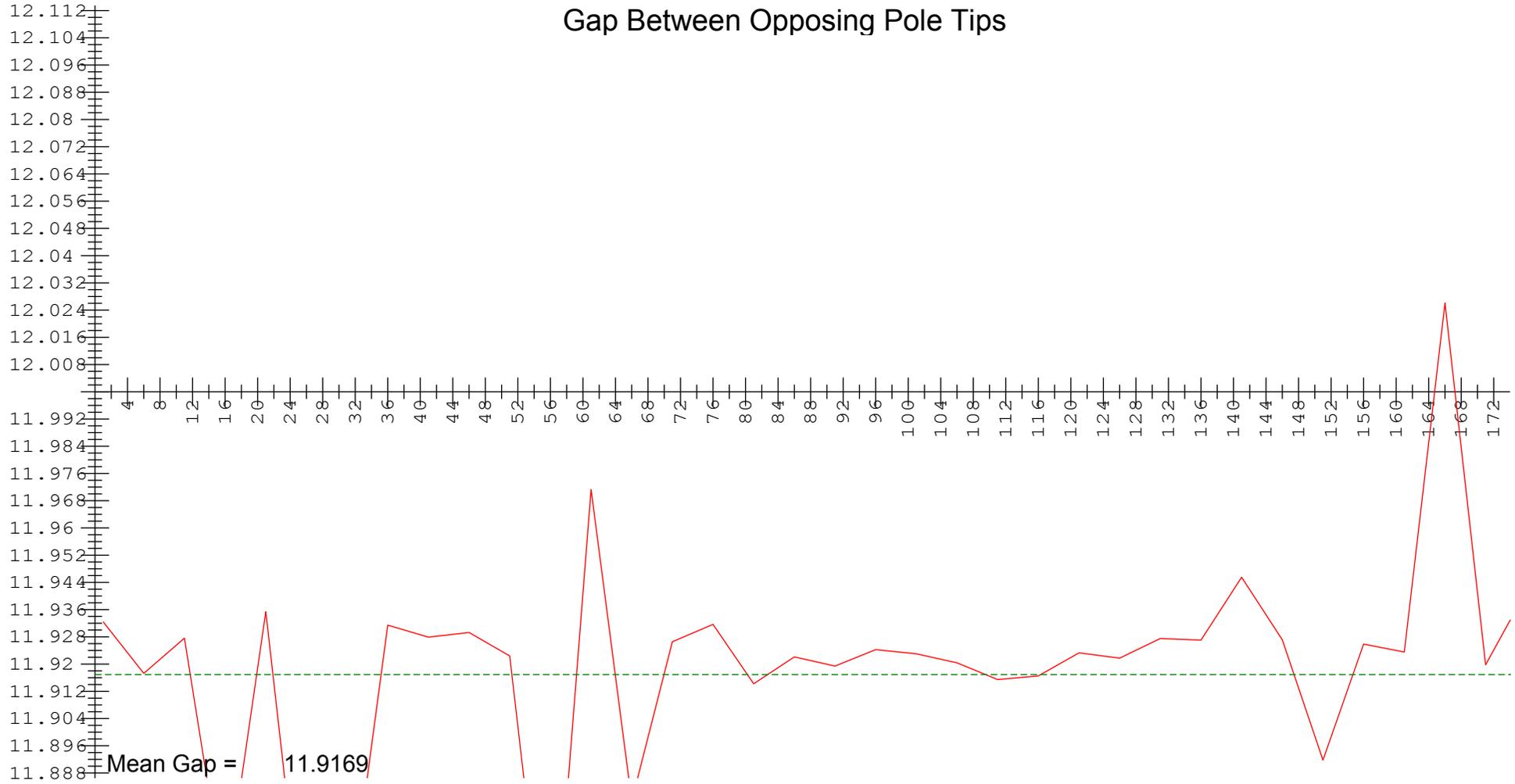


## LCLS II - SXR Undulator

Nominal Gap = 12      Nominal Taper = 0.000  
 Gap Reading = 12.0000      US Encoder = 12.0000      DS Encoder = 12.0001

03-MAY-2019  
 S/N = 001  
 D/S = 0006  
 Run = 6

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

Dimensions in mm

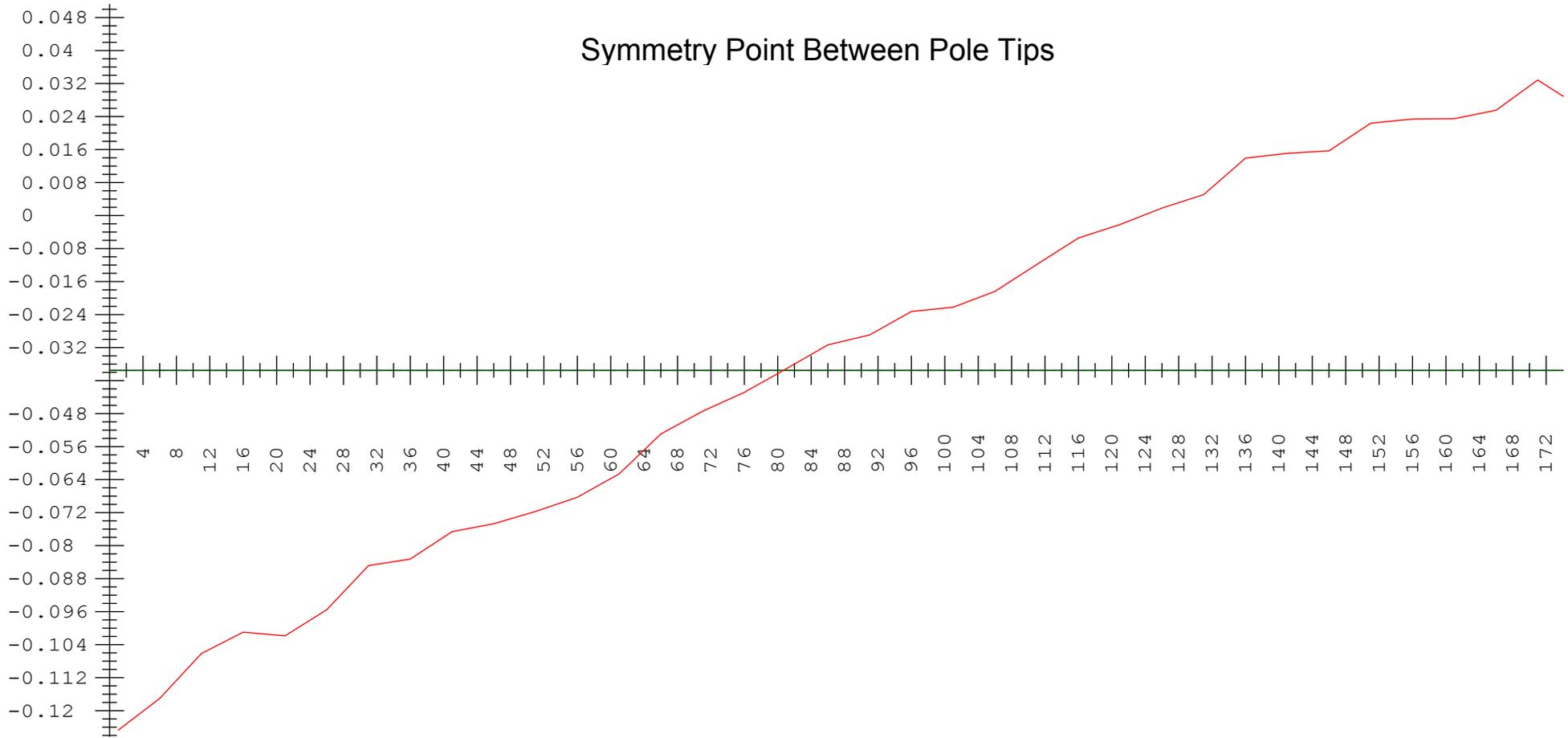


## LCLS II - SXR Undulator

Nominal Gap = 12      Nominal Taper = 0.000  
 Gap Reading = 12.0000      US Encoder = 12.0000      DS Encoder = 12.0001

03-MAY-2019  
 S/N = 001  
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 Run = 6

### Symmetry Point Between Pole Tips



Mean Symmetry Value = -0.0375

Step Between Measured Pole Tips = 5

Dimensions in mm



### LCLS II - SXR Undulator

Nominal Gap = 12      Nominal Taper = 0.000  
 Gap Reading = 12.0000      US Encoder = 12.0000      DS Encoder = 12.0001

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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>	5.8329	5.8721	5.9710	6.0112
<b>Bottom</b>	-6.0626	-6.0330	-5.9580	-5.9275
<b>Gap</b>	11.8955			11.9387
<b>Taper</b>				0.0432

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.9209	-5.9960	11.9169	-0.0375

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.047</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.053</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.040</b>
<b>Minimum Effective Gap</b>	<b>11.743</b>
<b>Reference Block Gap</b>	<b>6.807</b>

Dimensions in mm



### LCLS II - SXR Undulator

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03-MAY-2019  
 S/N = 001  
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