

Y Value Scales Centered on Mean Values  
 Step Between Measured Pole Tips = 1

Regression Line Through Points = -----  
 Dimensions in mm

<p><b>SLAC</b>  <small>NATIONAL ACCELERATOR LABORATORY</small>  <b>METROLOGY</b></p>	<p><b>LCLS II - SXR Undulator</b></p> <p>Nominal Gap = 10</p> <p>Gap Reading = 10.0000    US Encoder = 10.0000    DS Encoder = 10.0000</p>	<p>05-MAR-2018          S/N = 001          D/S = 0002          Run = 5</p>
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# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



## LCLS II - SXR Undulator

Nominal Gap = 10

Gap Reading = 10.0000    US Encoder = 10.0000    DS Encoder = 10.0000

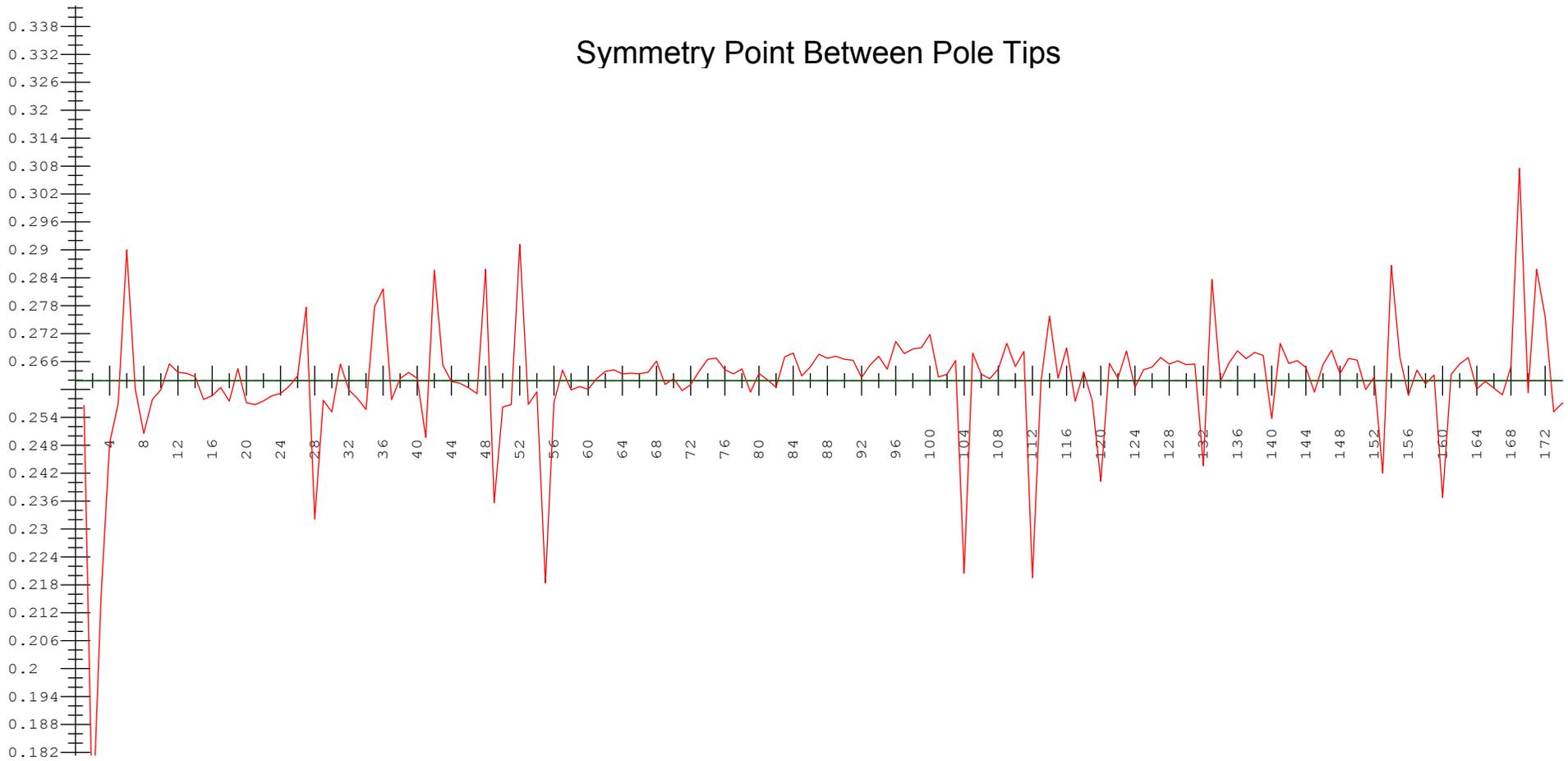
05-MAR-2018

S/N = 001

D/S = 0002

Run = 5

### Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.2619

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>	5.2207	5.2210	5.2218	5.2222
<b>Bottom</b>	-4.7063	-4.7025	-4.6929	-4.6890
<b>Gap</b>	9.9270			9.9112
<b>Taper</b>				-0.0159

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.2214	-4.6977	9.9191	0.2619

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>979.221</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.000</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.005</b>
<b>Minimum Effective Gap</b>	<b>9.760</b>
<b>Reference Block Gap</b>	<b>6.808</b>

Dimensions in mm



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