

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 = 9

Nominal Taper = 0.000

Gap Reading = 9.0000

US Encoder = 9.0000

DS Encoder = 9.0000

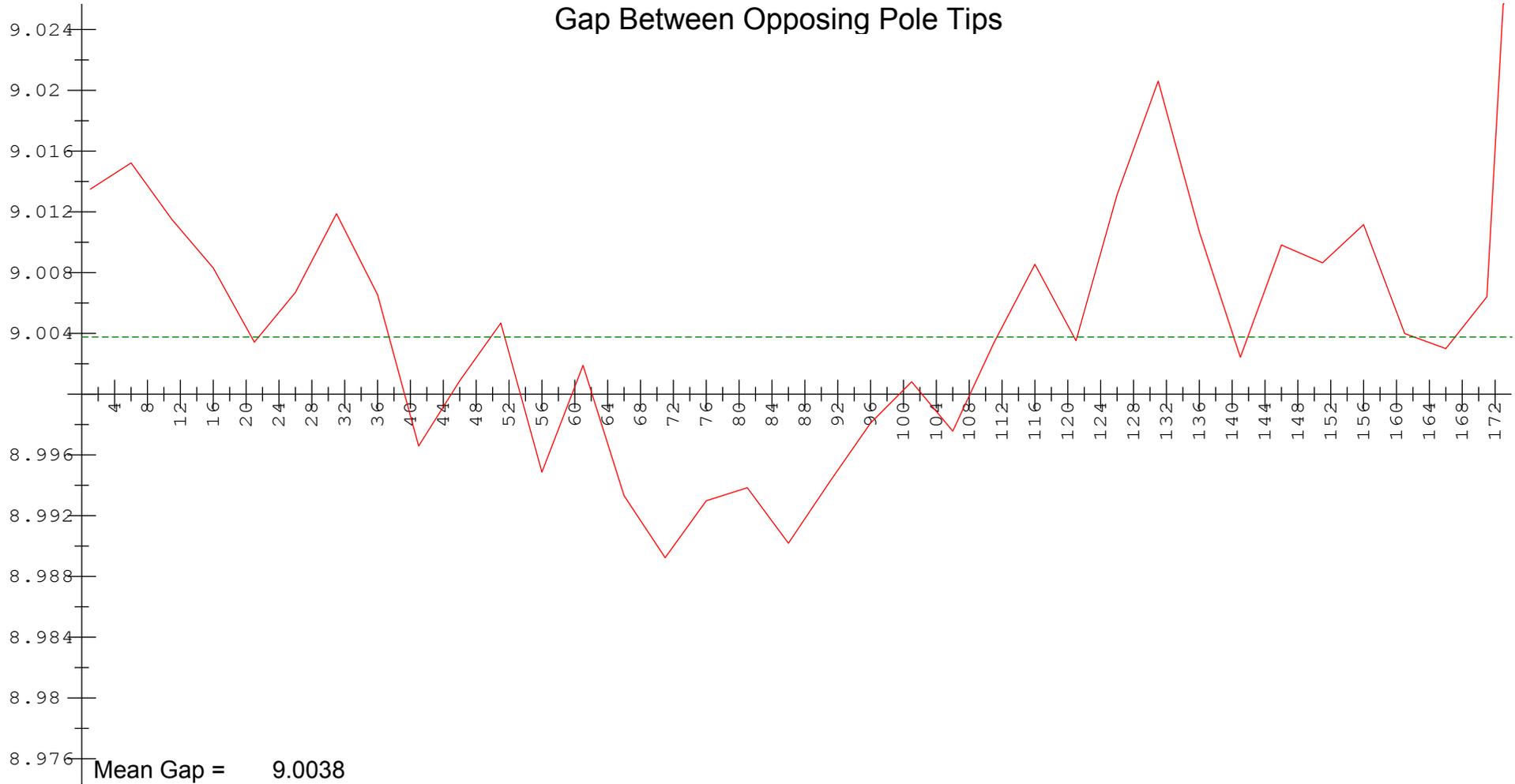
17-MAY-2018

S/N = 010

D/S = 0001

Run = 14

### Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

Dimensions in mm

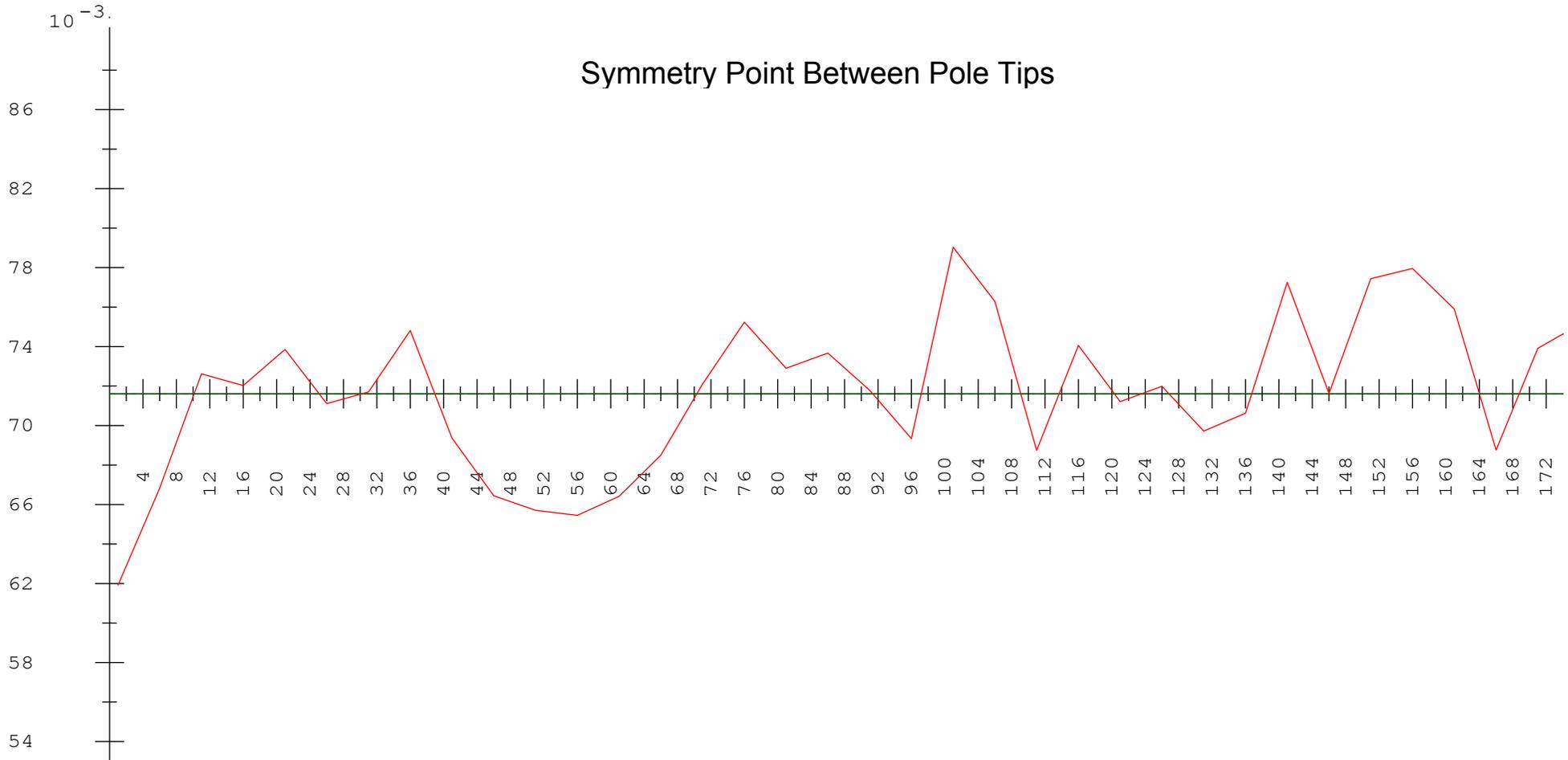


### LCLS II - SXR Undulator

Nominal Gap = 9      Nominal Taper = 0.000  
 Gap Reading = 9.0000      US Encoder = 9.0000      DS Encoder = 9.0000

17-MAY-2018  
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 Run = 14

### Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0716

Step Between Measured Pole Tips = 5

Dimensions in mm



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 Gap Reading = 9.0000      US Encoder = 9.0000      DS Encoder = 9.0000

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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>	4.5695	4.5714	4.5764	4.5785
<b>Bottom</b>	-4.4322	-4.4315	-4.4298	-4.4291
<b>Gap</b>	9.0017			9.0075
<b>Taper</b>				0.0059

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.5735	-4.4303	9.0038	0.0716

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>979.704</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.003</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.001</b>
<b>Minimum Effective Gap</b>	<b>8.984</b>
<b>Reference Block Gap</b>	<b>6.802</b>

Dimensions in mm



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