

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 10

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

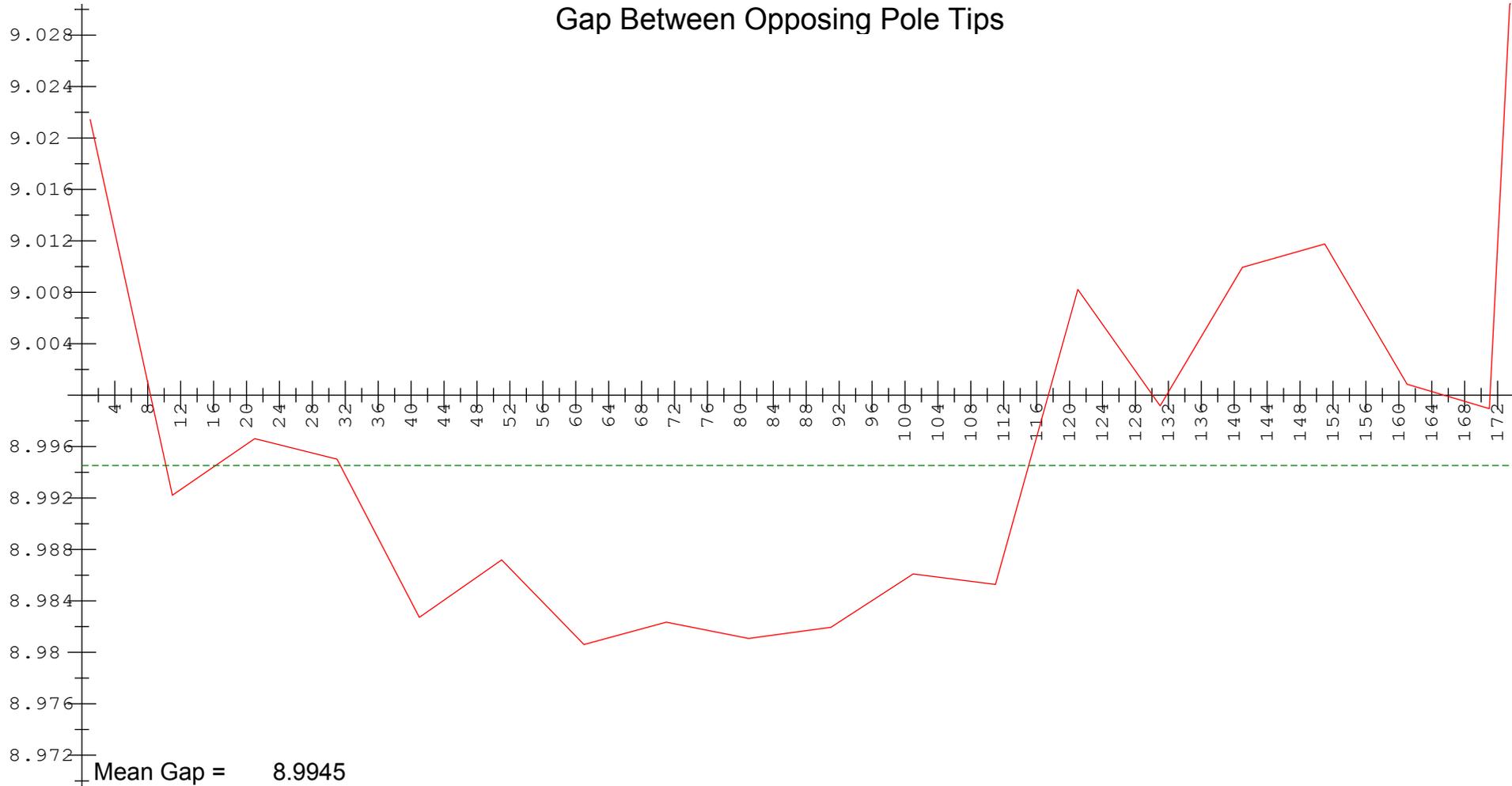
19-APR-2018

S/N = 009

D/S = 0001

Run = 13

### Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 10

Dimensions in mm

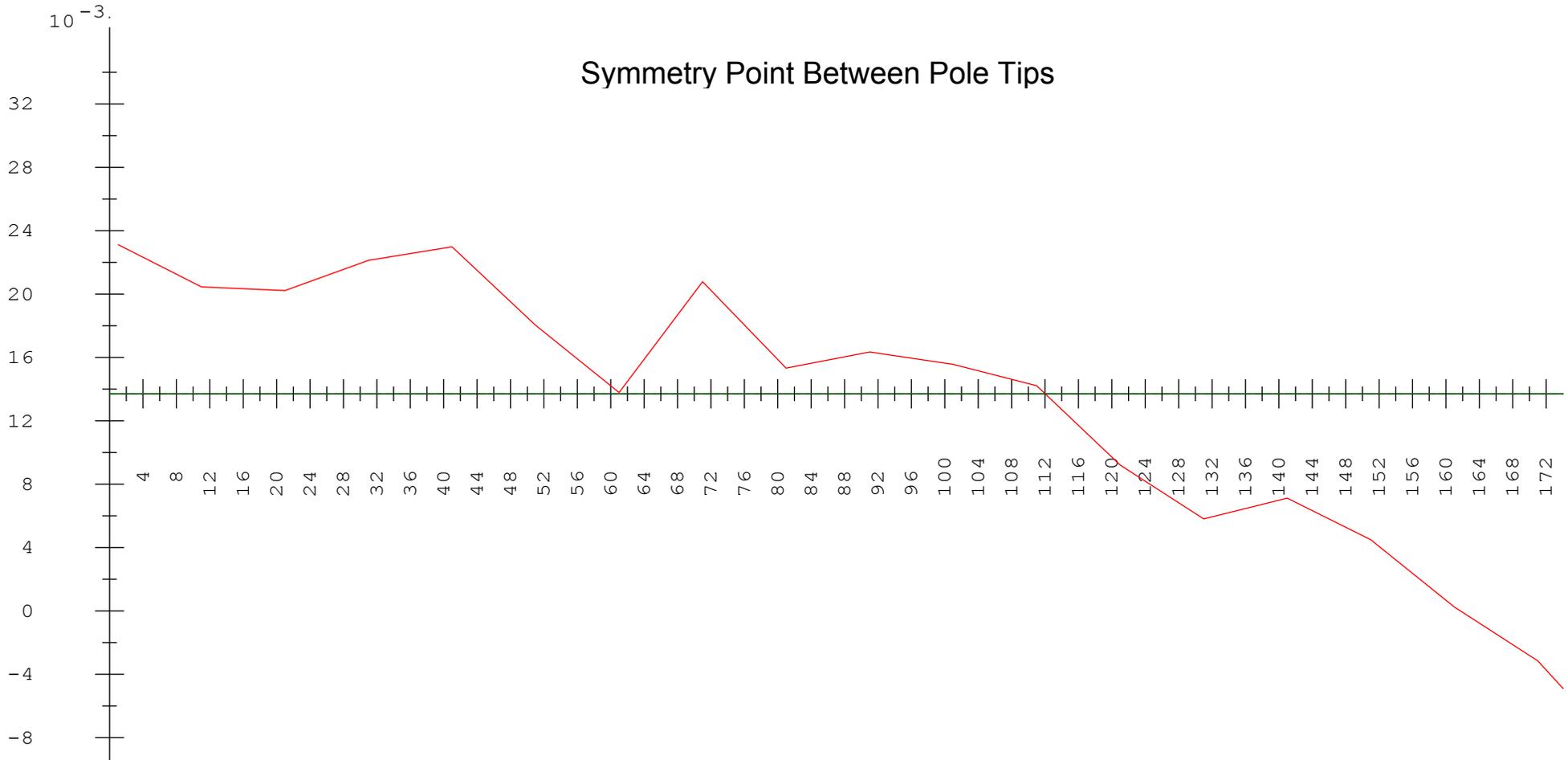


### LCLS II - SXR Undulator

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

19-APR-2018  
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 Run = 13

### Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0137

Step Between Measured Pole Tips = 10

Dimensions in mm



### LCLS II - SXR Undulator

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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>	4.5198	4.5161	4.5068	4.5030
<b>Bottom</b>	-4.4677	-4.4753	-4.4945	-4.5023
<b>Gap</b>	8.9875			9.0053
<b>Taper</b>				0.0178

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.5110	-4.4836	8.9945	0.0137

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>979.421</b>
<b>Top Jaw Pitch (mrad)</b>	<b>-0.005</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>-0.010</b>
<b>Minimum Effective Gap</b>	<b>8.965</b>
<b>Reference Block Gap</b>	<b>6.806</b>

Dimensions in mm



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