

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 = 20      Nominal Taper = 0.000  
 Gap Reading = 20.0000      US Encoder = 20.0000      DS Encoder = 20.0000

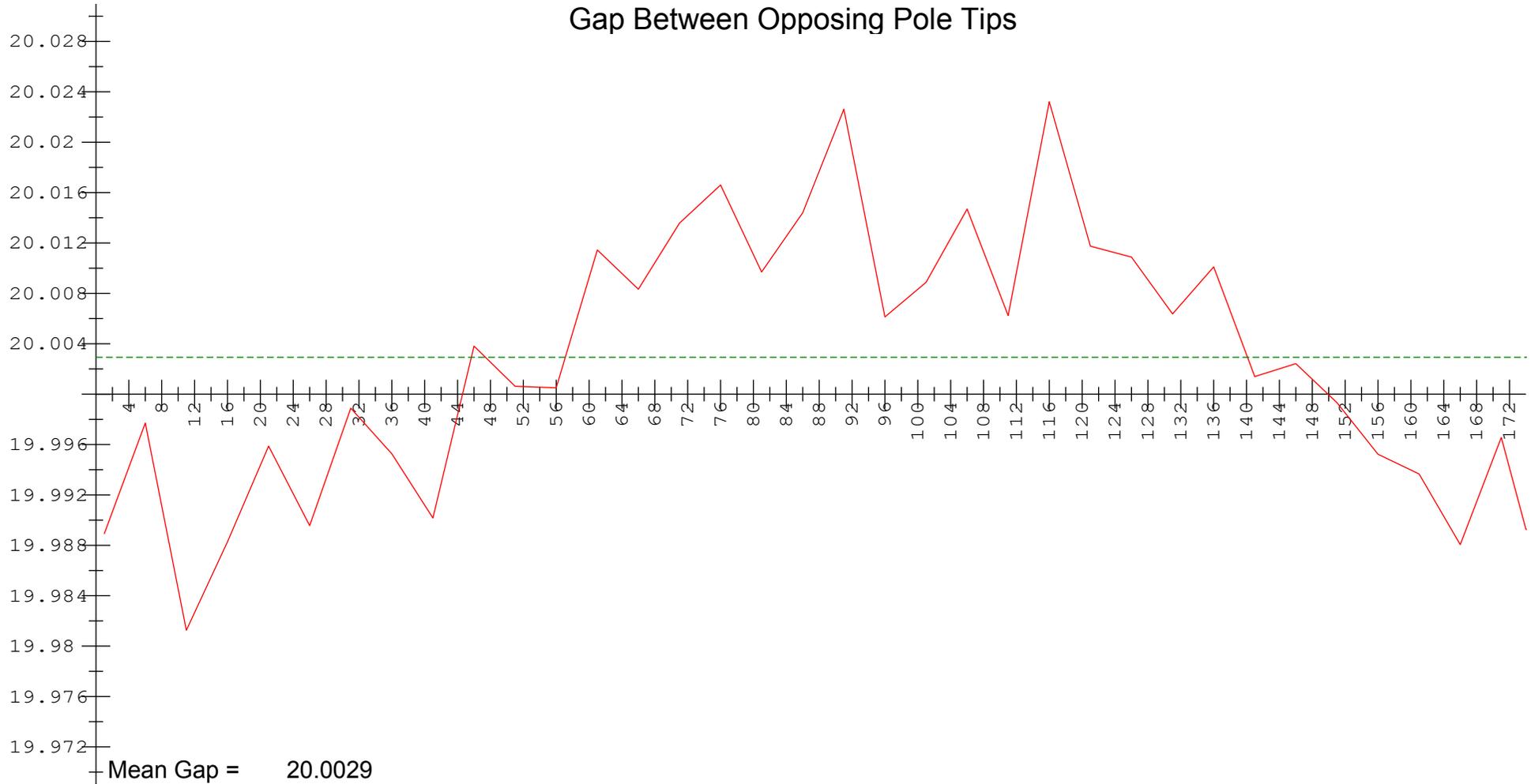
24-OCT-2018

S/N = 016

D/S = 0001

Run = 13

### Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

Dimensions in mm

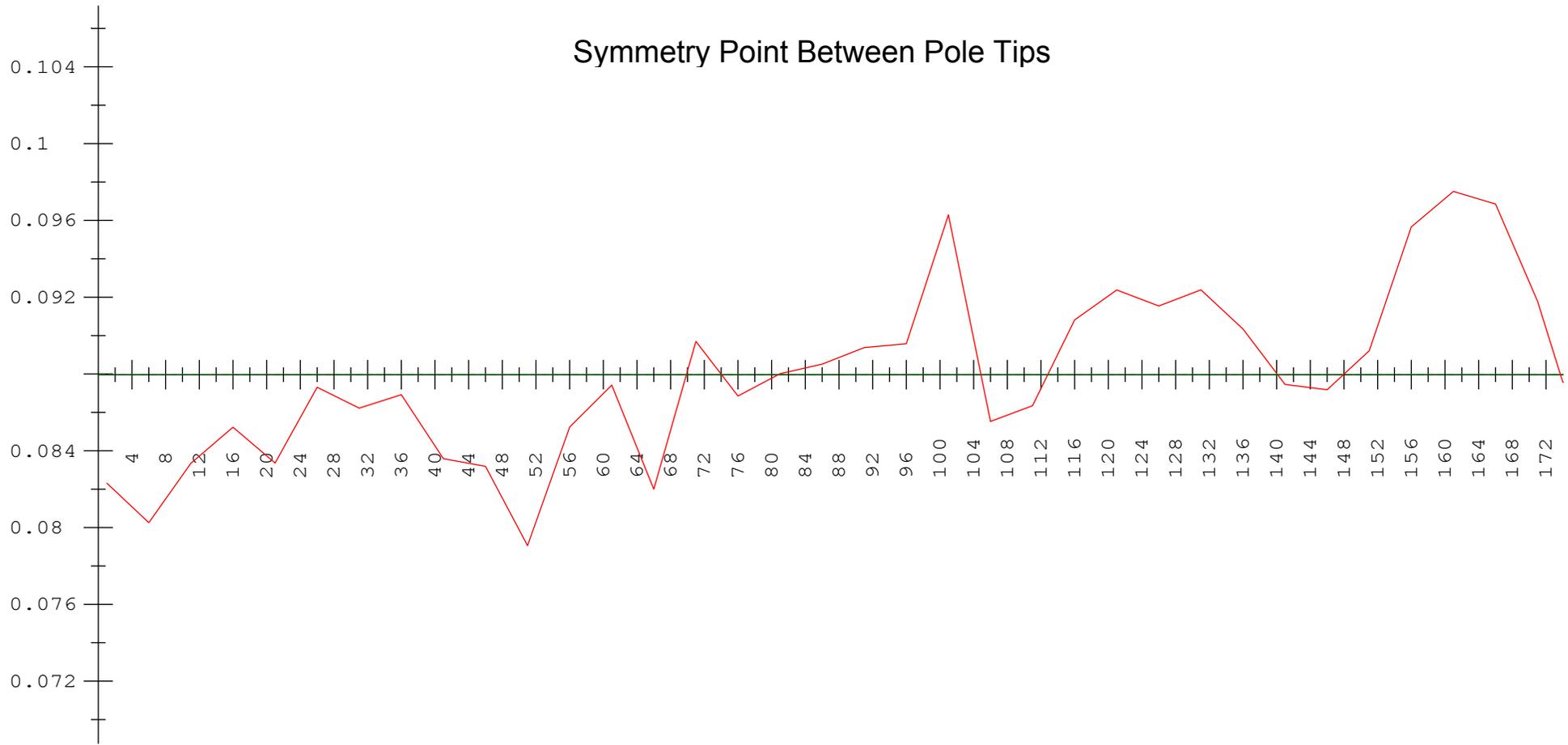


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### Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0880

Step Between Measured Pole Tips = 5

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>	10.0820	10.0851	10.0931	10.0963
<b>Bottom</b>	-9.9170	-9.9154	-9.9114	-9.9097
<b>Gap</b>	19.9990			20.0061
<b>Taper</b>				0.0071

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
10.0894	-9.9135	20.0029	0.0880

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>979.935</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.004</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.002</b>
<b>Minimum Effective Gap</b>	<b>19.971</b>
<b>Reference Block Gap</b>	<b>6.809</b>

Dimensions in mm



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