

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 7

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

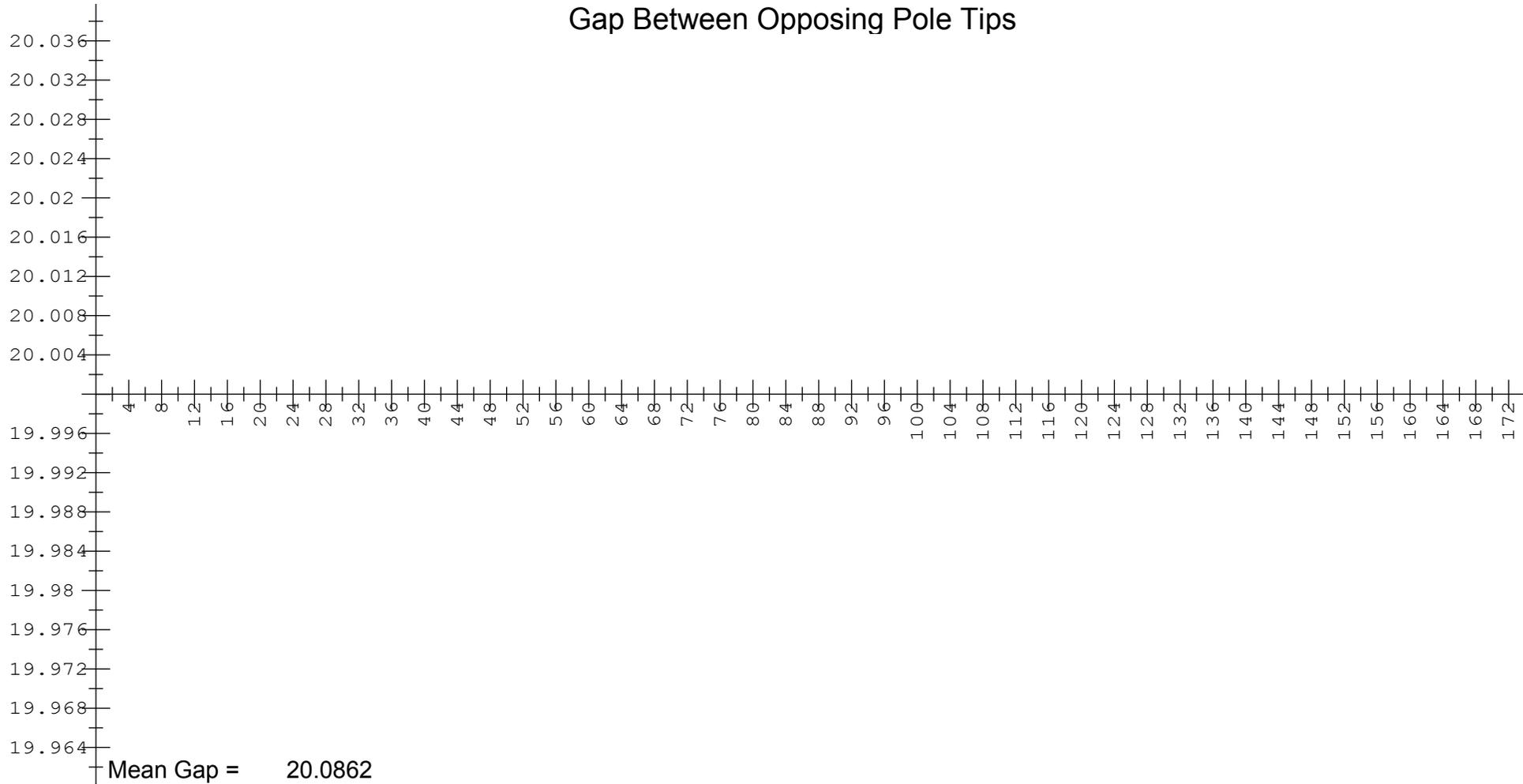
04-APR-2019

S/N = 002

D/S = 0001

Run = 10

### Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 7

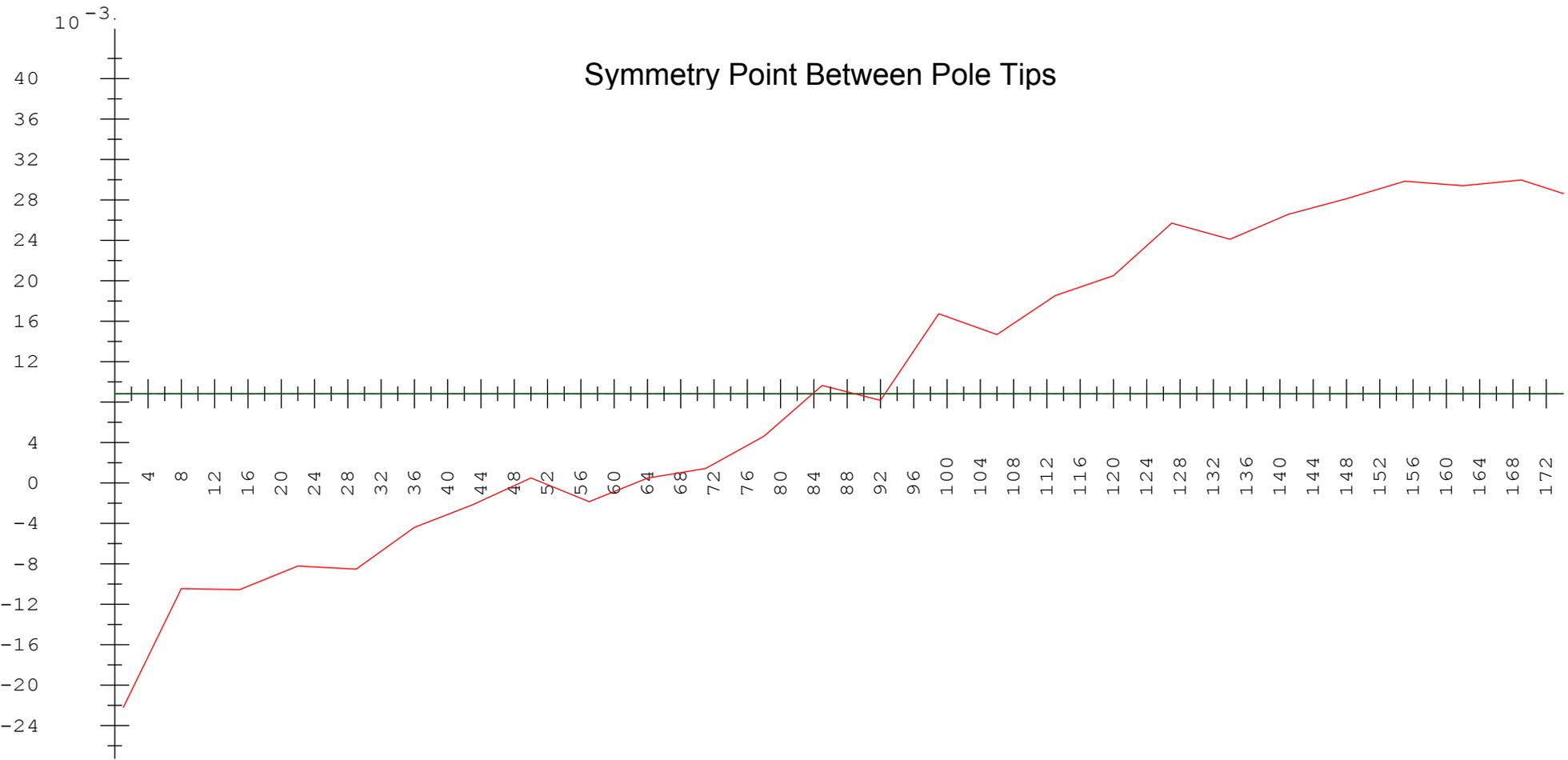
Dimensions in mm



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04-APR-2019  
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Mean Symmetry Value = 0.0088

Step Between Measured Pole Tips = 7

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>	10.0361	10.0432	10.0613	10.0686
<b>Bottom</b>	-10.0675	-10.0526	-10.0152	-9.9999
<b>Gap</b>	20.1036			20.0685
<b>Taper</b>				-0.0351

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
10.0519	-10.0343	20.0862	0.0088

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.303</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.010</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.020</b>
<b>Minimum Effective Gap</b>	<b>20.013</b>
<b>Reference Block Gap</b>	<b>6.810</b>

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