

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 = 11.5      Nominal Taper = 0.000  
 Gap Reading = 11.5000      US Encoder = 11.5000      DS Encoder = 11.5000

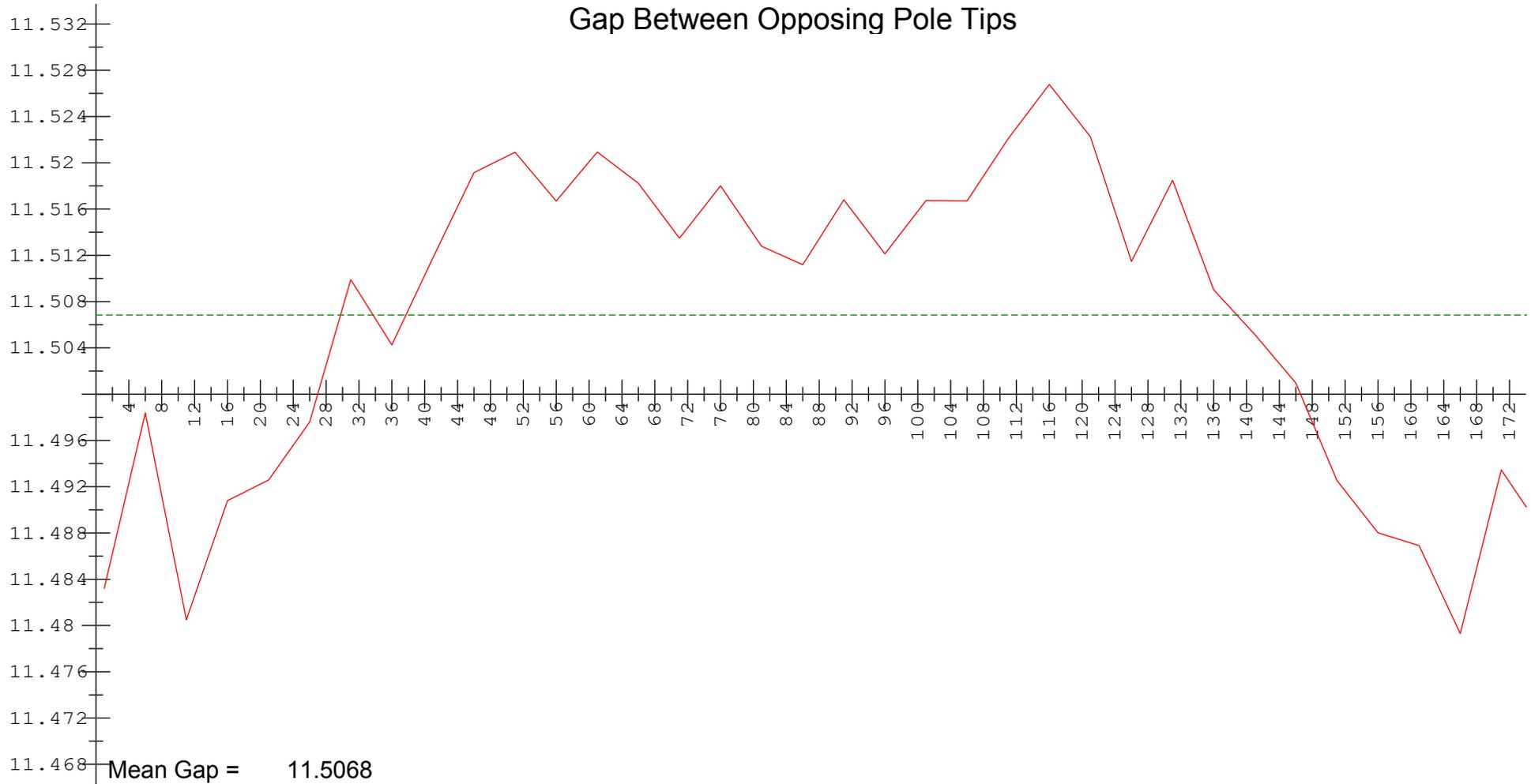
01-OCT-2018

S/N = 015

D/S = 0001

Run = 6

### Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

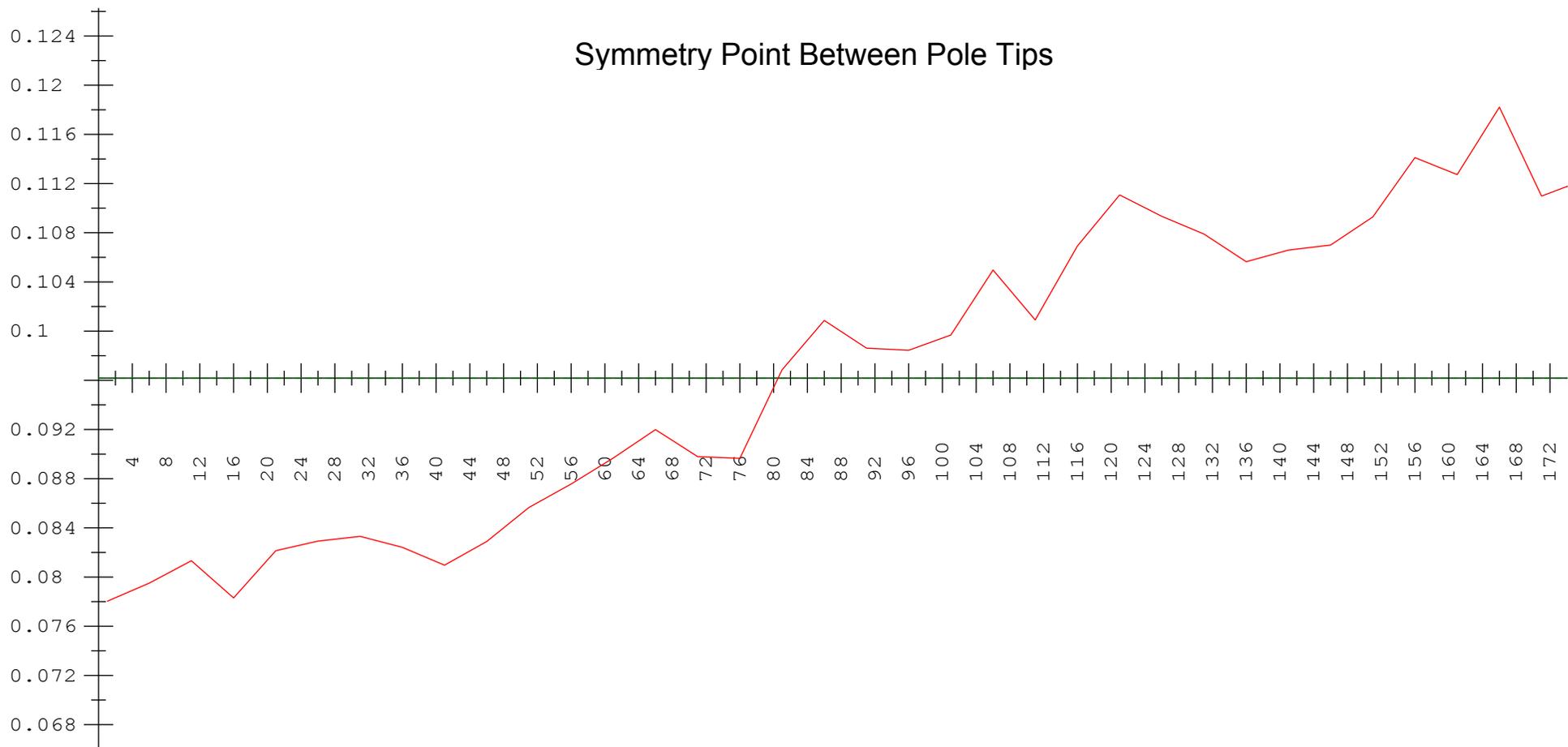
Dimensions in mm



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Mean Symmetry Value = 0.0962

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>	5.8302	5.8387	5.8602	5.8689
<b>Bottom</b>	-5.6773	-5.6683	-5.6456	-5.6363
<b>Gap</b>	11.5075			11.5053
<b>Taper</b>				-0.0022

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.8496	-5.6572	11.5068	0.0962

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.409</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.011</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.012</b>
<b>Minimum Effective Gap</b>	<b>11.441</b>
<b>Reference Block Gap</b>	<b>6.807</b>

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