

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 = 11      Nominal Taper = 0.000

Gap Reading = 11.0000      US Encoder = 11.0000      DS Encoder = 11.0001

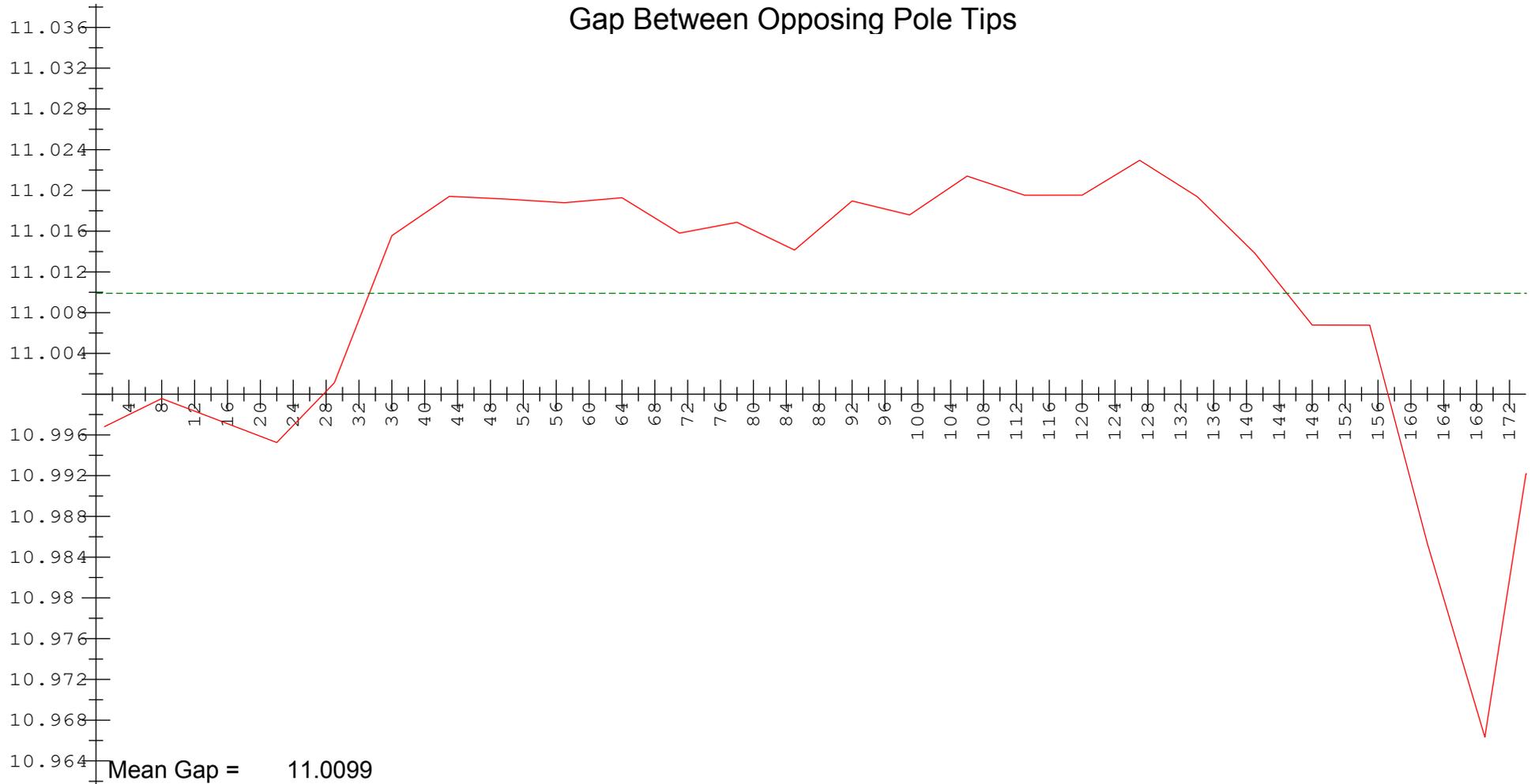
18-DEC-2018

S/N = 018

D/S = 0001

Run = 5

### Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 7

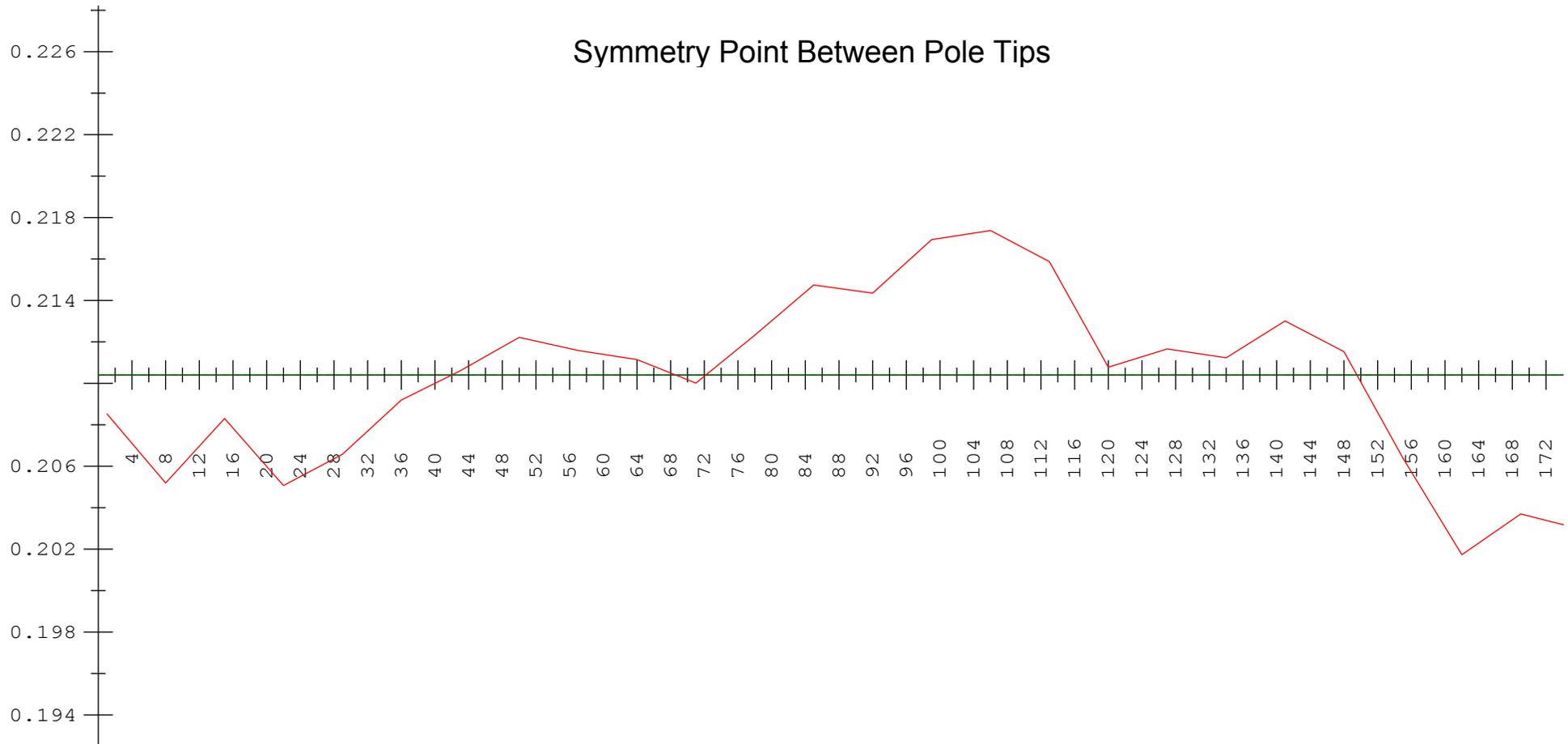
Dimensions in mm



### LCLS II - SXR Undulator

Nominal Gap = 11      Nominal Taper = 0.000  
 Gap Reading = 11.0000      US Encoder = 11.0000      DS Encoder = 11.0001

18-DEC-2018  
 S/N = 018  
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 Run = 5



Mean Symmetry Value = 0.2104

Step Between Measured Pole Tips = 7

Dimensions in mm



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 Gap Reading = 11.0000    US Encoder = 11.0000    DS Encoder = 11.0001

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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>	5.7166	5.7158	5.7137	5.7129
<b>Bottom</b>	-5.2958	-5.2953	-5.2938	-5.2932
<b>Gap</b>	11.0124			11.0061
<b>Taper</b>				-0.0064

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.7154	-5.2945	11.0099	0.2104

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.178</b>
<b>Top Jaw Pitch (mrad)</b>	<b>-0.001</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.001</b>
<b>Minimum Effective Gap</b>	<b>10.966</b>
<b>Reference Block Gap</b>	<b>6.806</b>

Dimensions in mm



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