

Y Value Scales Centered on Mean Values  
 Step Between Measured Pole Tips = 7

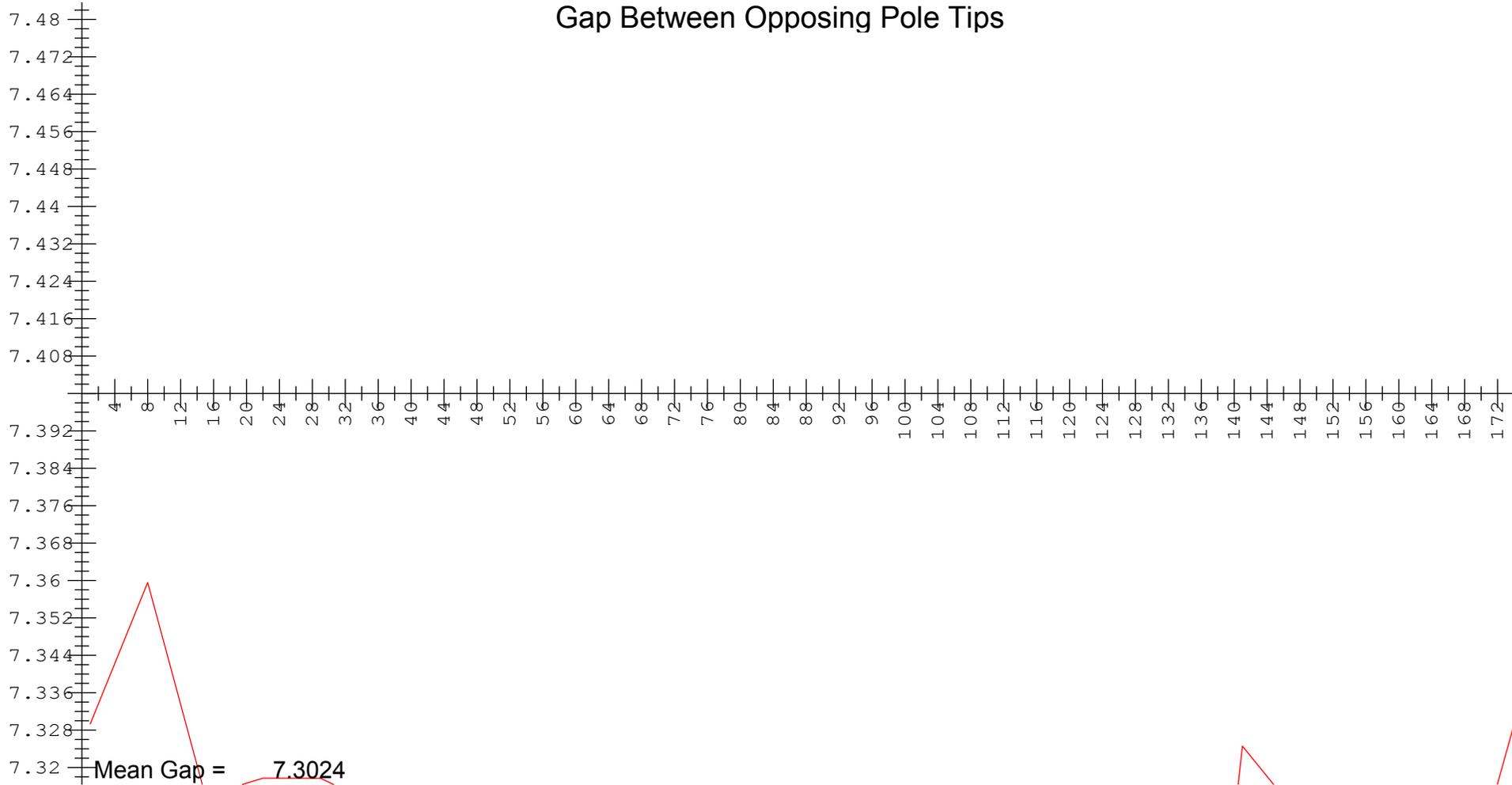
Regression Line Through Points = -----  
 Dimensions in mm



**LCLS II - SXR Undulator**  
 Nominal Gap = 7.4      Nominal Taper = 0.000  
 Gap Reading = 7.3999      US Encoder = 7.3999      DS Encoder = 7.3999

13-SEP-2018  
 S/N = 001  
 D/S = 0004  
 Run = 2

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 7

Dimensions in mm

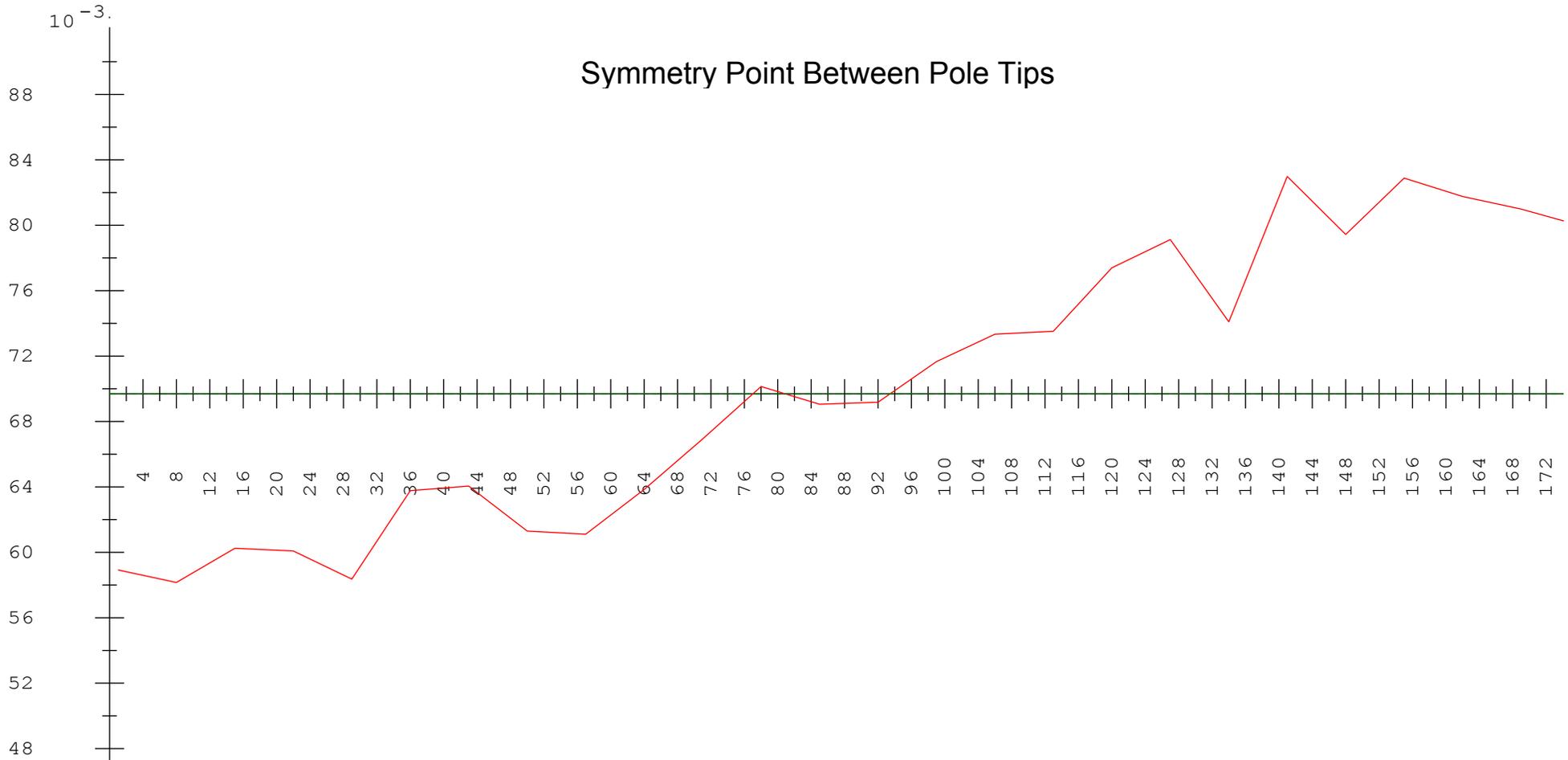


## LCLS II - SXR Undulator

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### Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0697

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>	3.7153	3.7181	3.7253	3.7282
<b>Bottom</b>	-3.6022	-3.5933	-3.5706	-3.5614
<b>Gap</b>	7.3175			7.2896
<b>Taper</b>				-0.0280

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
3.7209	-3.5815	7.3024	0.0697

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>979.975</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.004</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>0.012</b>
<b>Minimum Effective Gap</b>	<b>7.212</b>
<b>Reference Block Gap</b>	<b>6.807</b>

Dimensions in mm



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