

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 7

Regression Line Through Points = -----

Dimensions in mm

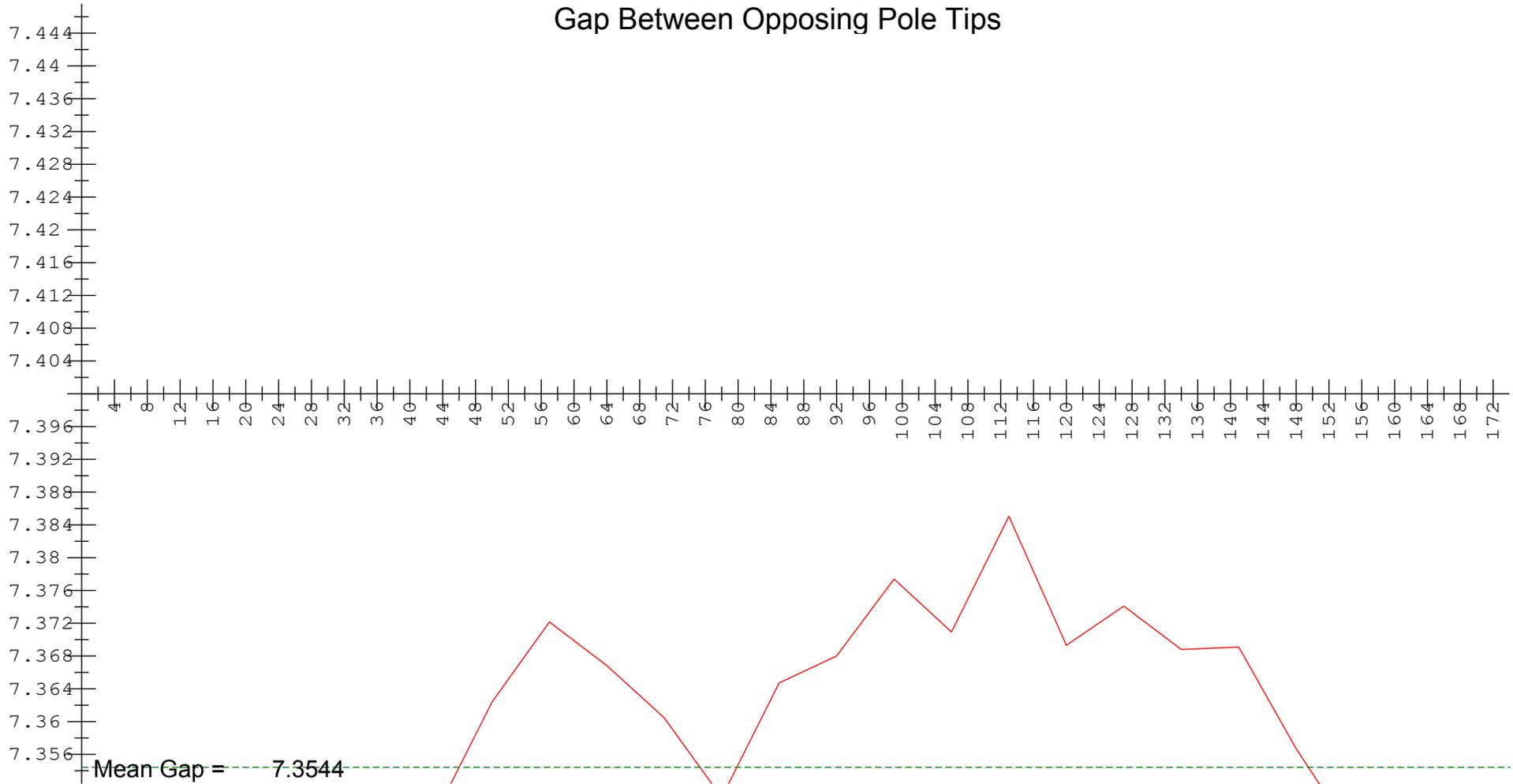


## LCLS II - SXR Undulator

Nominal Gap = 7.4      Nominal Taper = 0.000  
 Gap Reading = 7.3999      US Encoder = 7.3999      DS Encoder = 7.3999

18-JAN-2019  
 S/N = 019  
 D/S = 0001  
 Run = 2

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 7

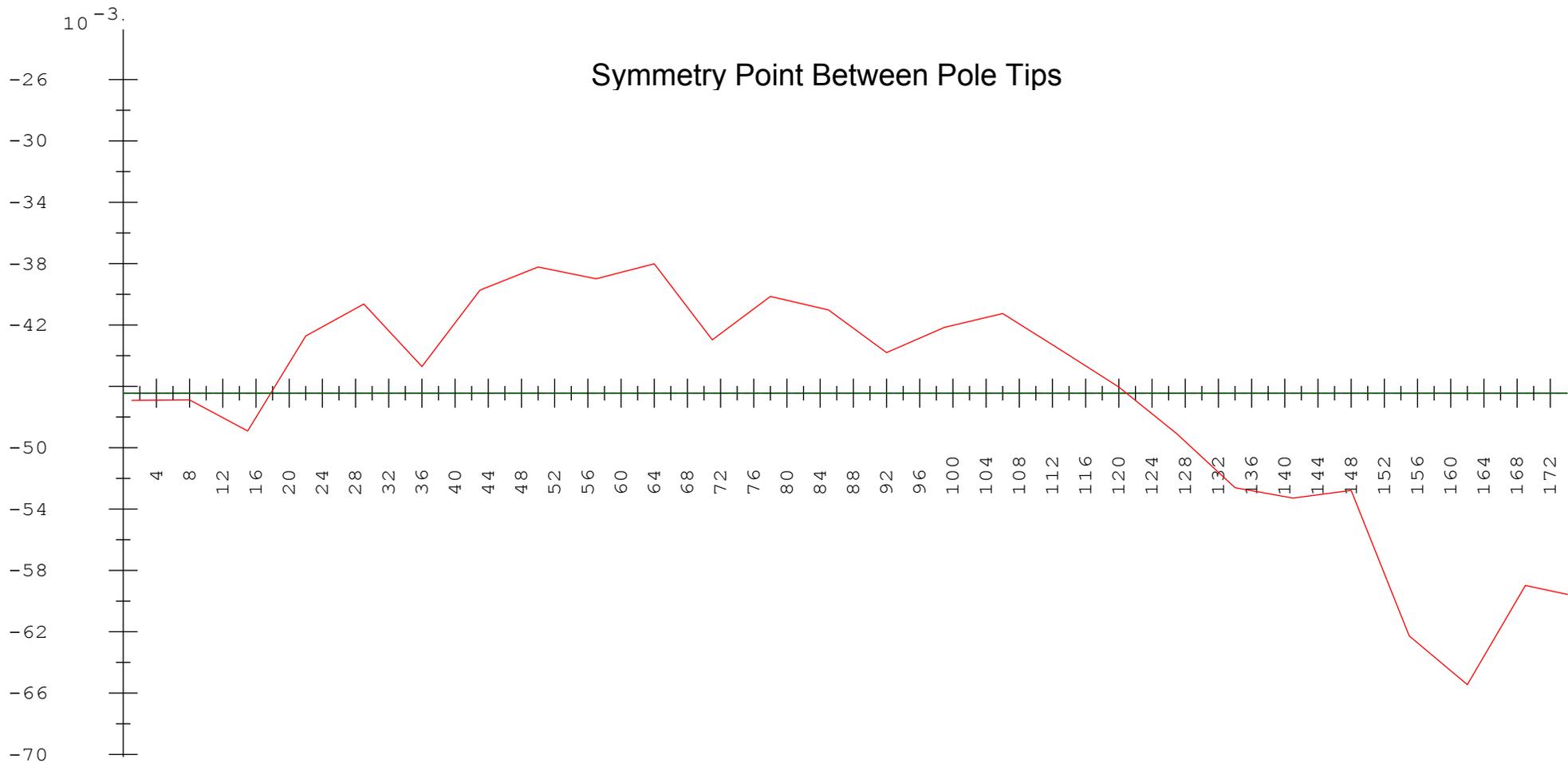
Dimensions in mm



## LCLS II - SXR Undulator

Nominal Gap = 7.4      Nominal Taper = 0.000  
 Gap Reading = 7.3999      US Encoder = 7.3999      DS Encoder = 7.3999

18-JAN-2019  
 S/N = 019  
 D/S = 0001  
 Run = 2



Mean Symmetry Value = -0.0464

Step Between Measured Pole Tips = 7

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

18-JAN-2019  
 S/N = 019  
 D/S = 0001  
 Run = 2

## 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>	3.6360	3.6334	3.6267	3.6240
<b>Bottom</b>	-3.7125	-3.7174	-3.7299	-3.7349
<b>Gap</b>	7.3485			7.3589
<b>Taper</b>				0.0104

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
3.6308	-3.7237	7.3544	-0.0464

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.265</b>
<b>Top Jaw Pitch (mrad)</b>	<b>-0.004</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>-0.007</b>
<b>Minimum Effective Gap</b>	<b>7.306</b>
<b>Reference Block Gap</b>	<b>6.805</b>

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

18-JAN-2019  
 S/N = 019  
 D/S = 0001  
 Run = 2