

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 = 9

Nominal Taper = 0.000

Gap Reading = 9.0000

US Encoder = 9.0000

DS Encoder = 9.0000

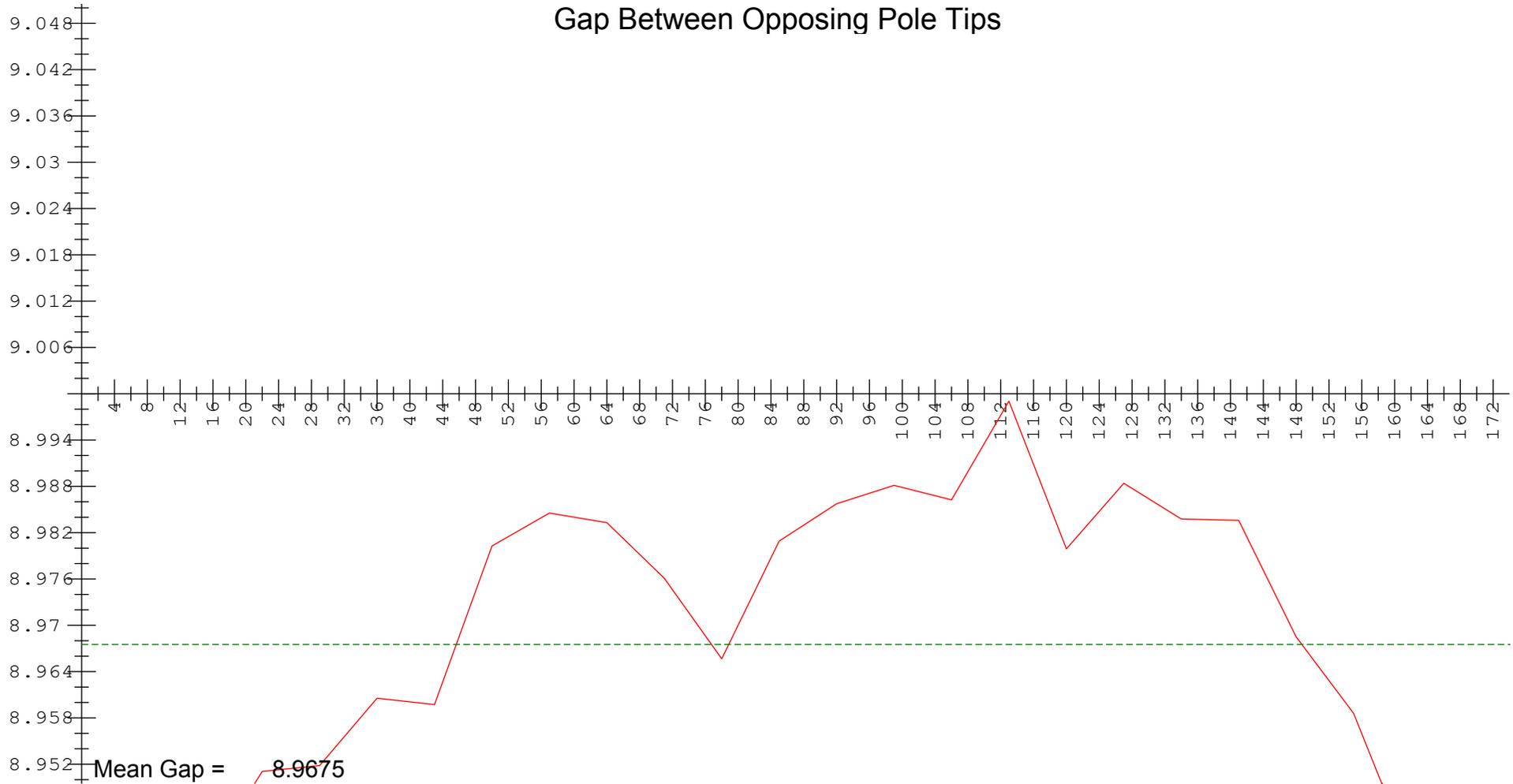
18-JAN-2019

S/N = 019

D/S = 0001

Run = 3

# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 7

Dimensions in mm



## LCLS II - SXR Undulator

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DS Encoder = 9.0000

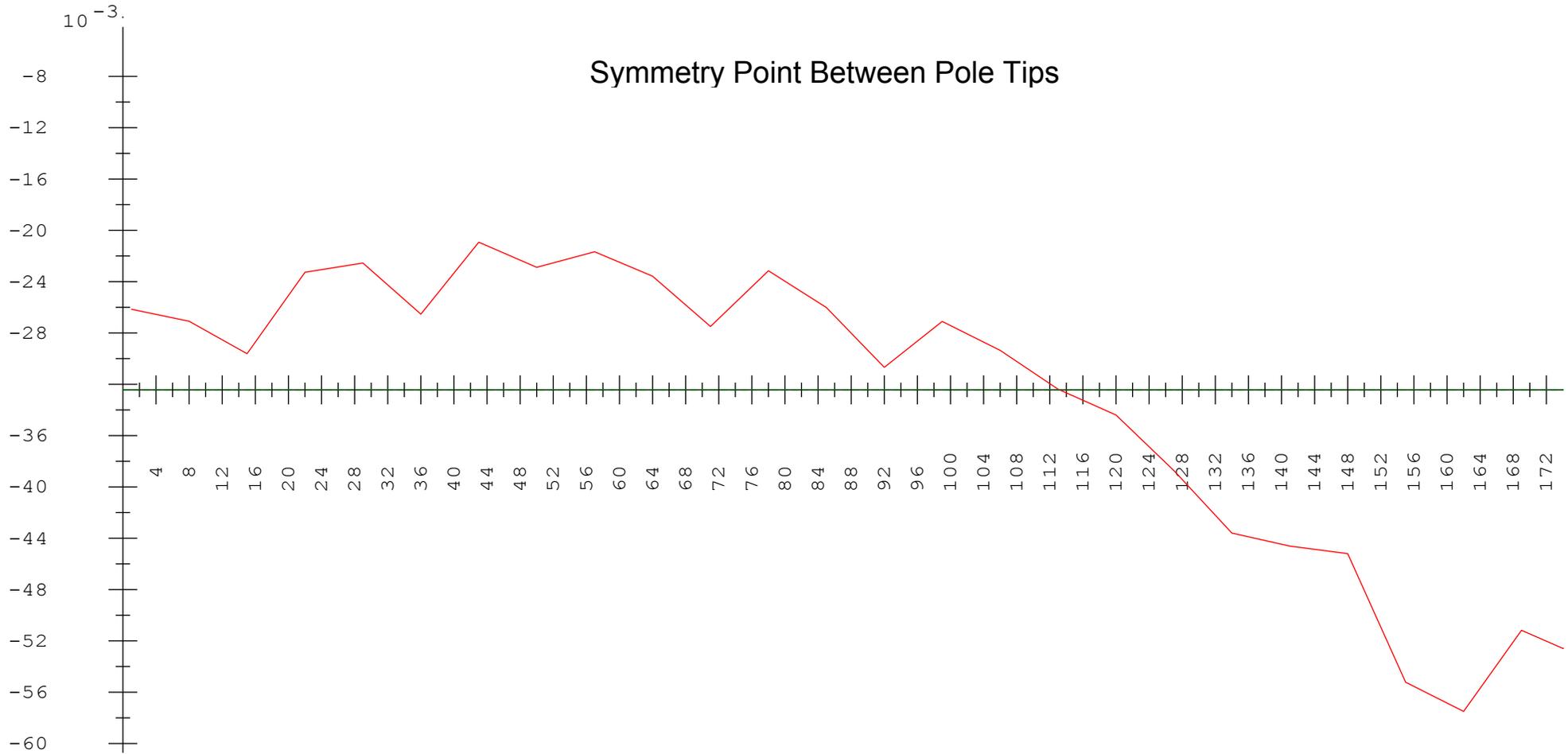
18-JAN-2019

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Run = 3

### Symmetry Point Between Pole Tips



Mean Symmetry Value = -0.0324

Step Between Measured Pole Tips = 7

Dimensions in mm



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 Gap Reading = 9.0000      US Encoder = 9.0000      DS Encoder = 9.0000

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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>	4.4637	4.4578	4.4428	4.4367
<b>Bottom</b>	-4.4982	-4.5061	-4.5262	-4.5344
<b>Gap</b>	8.9619			8.9711
<b>Taper</b>				0.0091

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.4513	-4.5162	8.9675	-0.0324

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>980.265</b>
<b>Top Jaw Pitch (mrad)</b>	<b>-0.008</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>-0.011</b>
<b>Minimum Effective Gap</b>	<b>8.902</b>
<b>Reference Block Gap</b>	<b>6.805</b>

Dimensions in mm



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