

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 11

Regression Line Through Points = -----

Dimensions in mm



## LCLS II - SXR Undulator

Nominal Gap = 14      Nominal Taper = 0.000  
 Gap Reading = 14.0000      US Encoder = 14.0000      DS Encoder = 14.0001

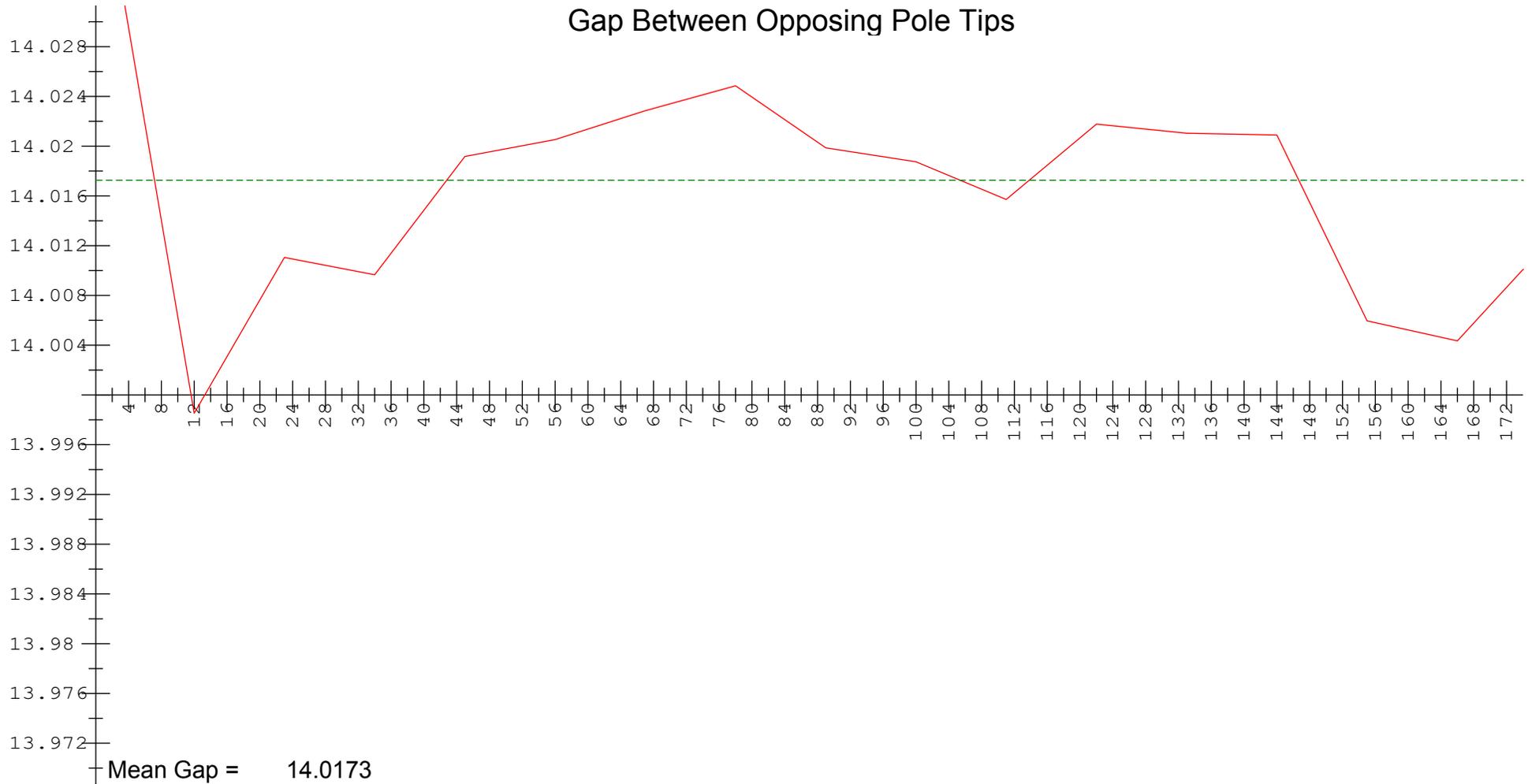
07-JUN-2018

S/N = 011

D/S = 0001

Run = 10

### Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 11

Dimensions in mm

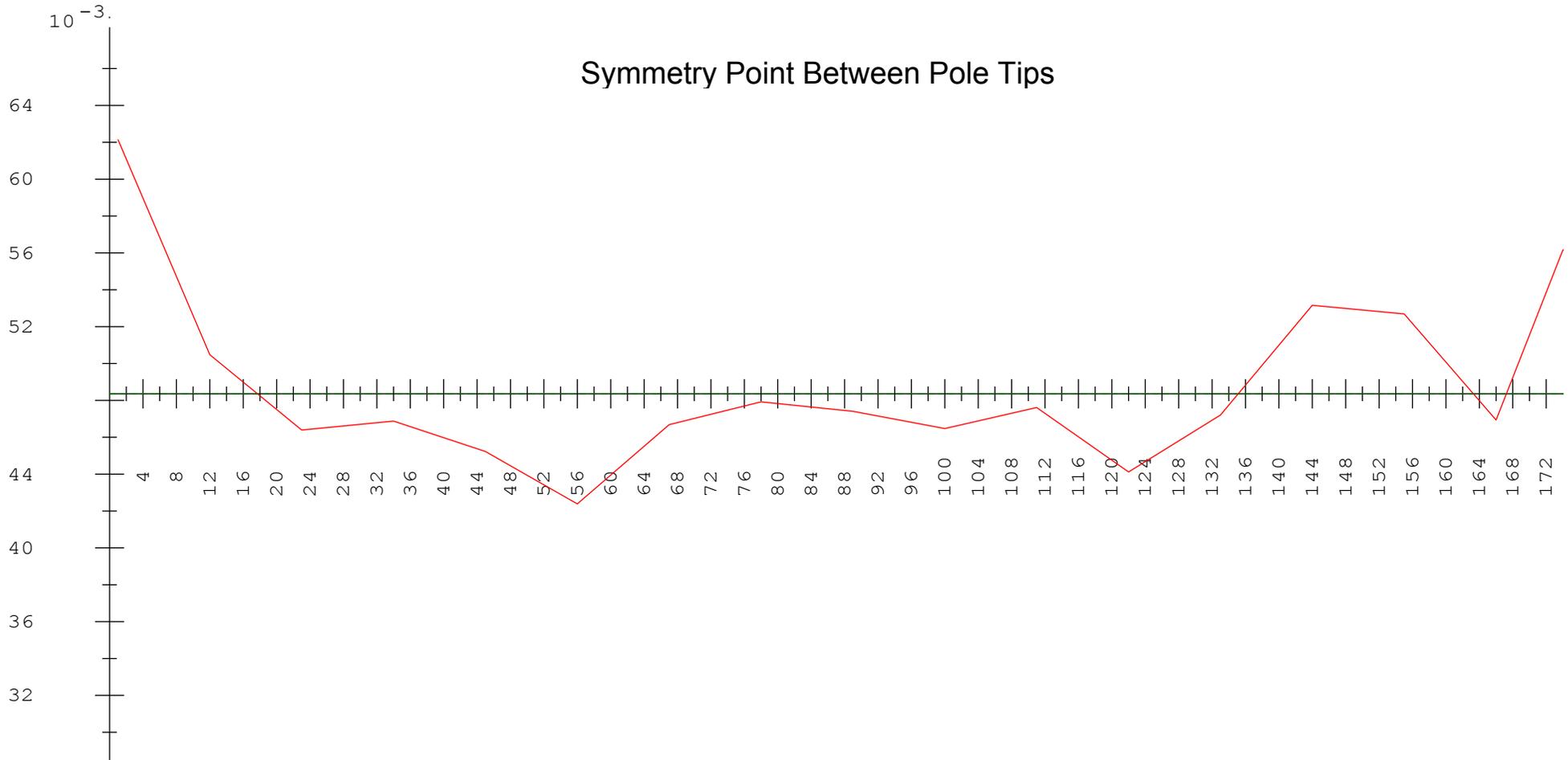


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Nominal Gap = 14      Nominal Taper = 0.000  
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### Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0484

Step Between Measured Pole Tips = 11

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>	7.0590	7.0582	7.0563	7.0556
<b>Bottom</b>	-6.9616	-6.9608	-6.9585	-6.9576
<b>Gap</b>	14.0206			14.0132
<b>Taper</b>				-0.0074

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
7.0570	-6.9603	14.0173	0.0484

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>979.744</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>13.998</b>
<b>Reference Block Gap</b>	<b>6.806</b>

Dimensions in mm



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