

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 5

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

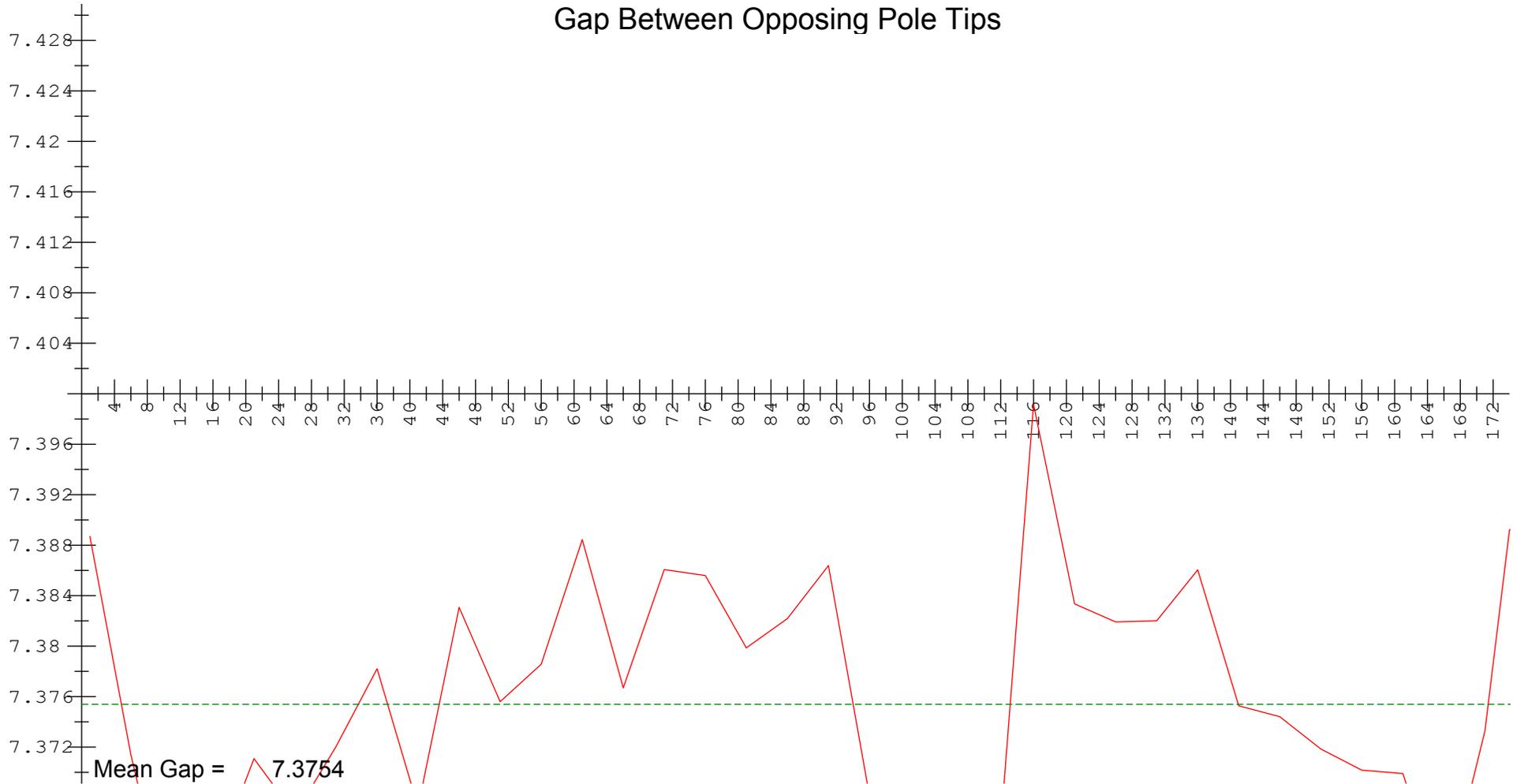
24-OCT-2018

S/N = 016

D/S = 0001

Run = 4

### Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

Dimensions in mm

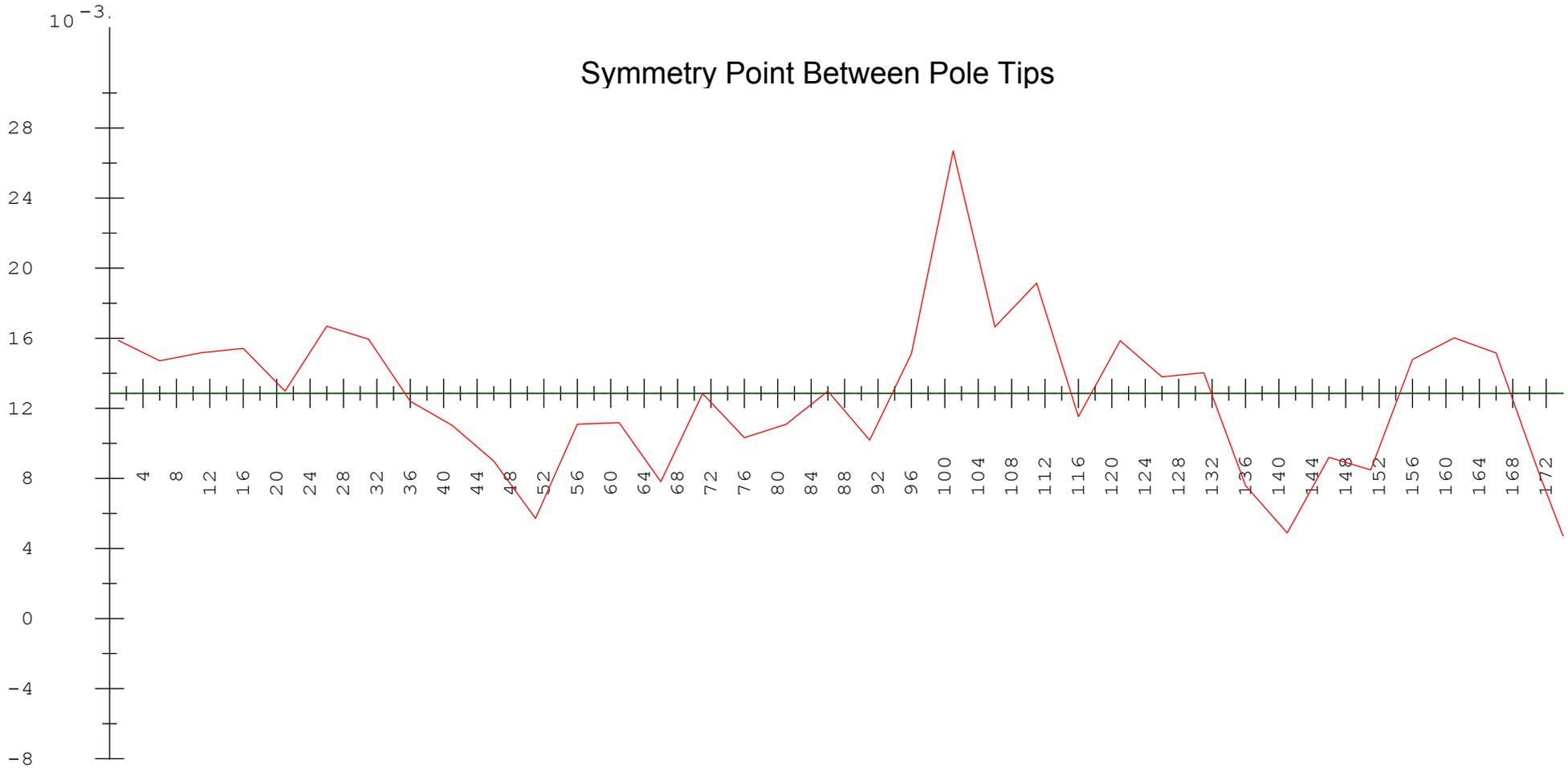


### LCLS II - SXR Undulator

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 Gap Reading = 7.3999      US Encoder = 7.3999      DS Encoder = 7.3999

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### Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0129

Step Between Measured Pole Tips = 5

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>	3.7012	3.7009	3.7001	3.6998
<b>Bottom</b>	-3.6732	-3.6741	-3.6764	-3.6773
<b>Gap</b>	7.3744			7.3771
<b>Taper</b>				0.0027

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
3.7005	-3.6748	7.3754	0.0129

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>979.935</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.000</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>-0.001</b>
<b>Minimum Effective Gap</b>	<b>7.347</b>
<b>Reference Block Gap</b>	<b>6.809</b>

Dimensions in mm



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