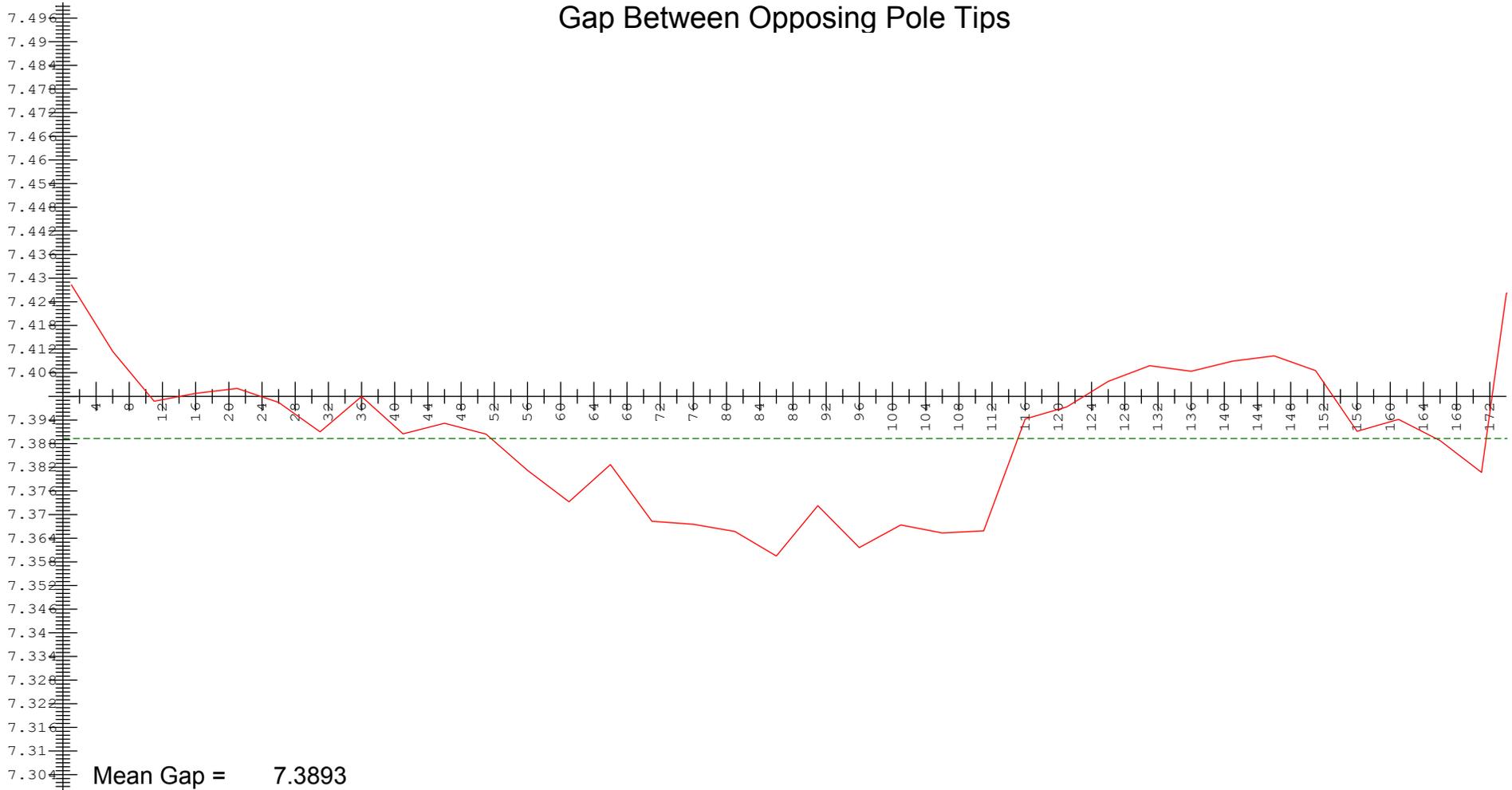


Y Value Scales Centered on Mean Values  
 Step Between Measured Pole Tips = 5

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

 <p><b>SLAC</b> NATIONAL ACCELERATOR LABORATORY METROLOGY</p>	<h2 style="margin: 0;">LCLS II - SXR Undulator</h2> <p style="margin: 0;">Nominal Gap = 7.4</p> <p style="margin: 0;">Gap Reading = 7.3999      US Encoder = 7.3999      DS Encoder = 7.3999</p>	<p style="margin: 0;">05-FEB-2018</p> <p style="margin: 0;">S/N = 005</p> <p style="margin: 0;">D/S= 0001</p> <p style="margin: 0;">Run= 06</p>
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# Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

Dimensions in mm



## LCLS II - SXR Undulator

Nominal Gap = 7.4

Gap Reading = 7.3999

US Encoder = 7.3999

DS Encoder = 7.3999

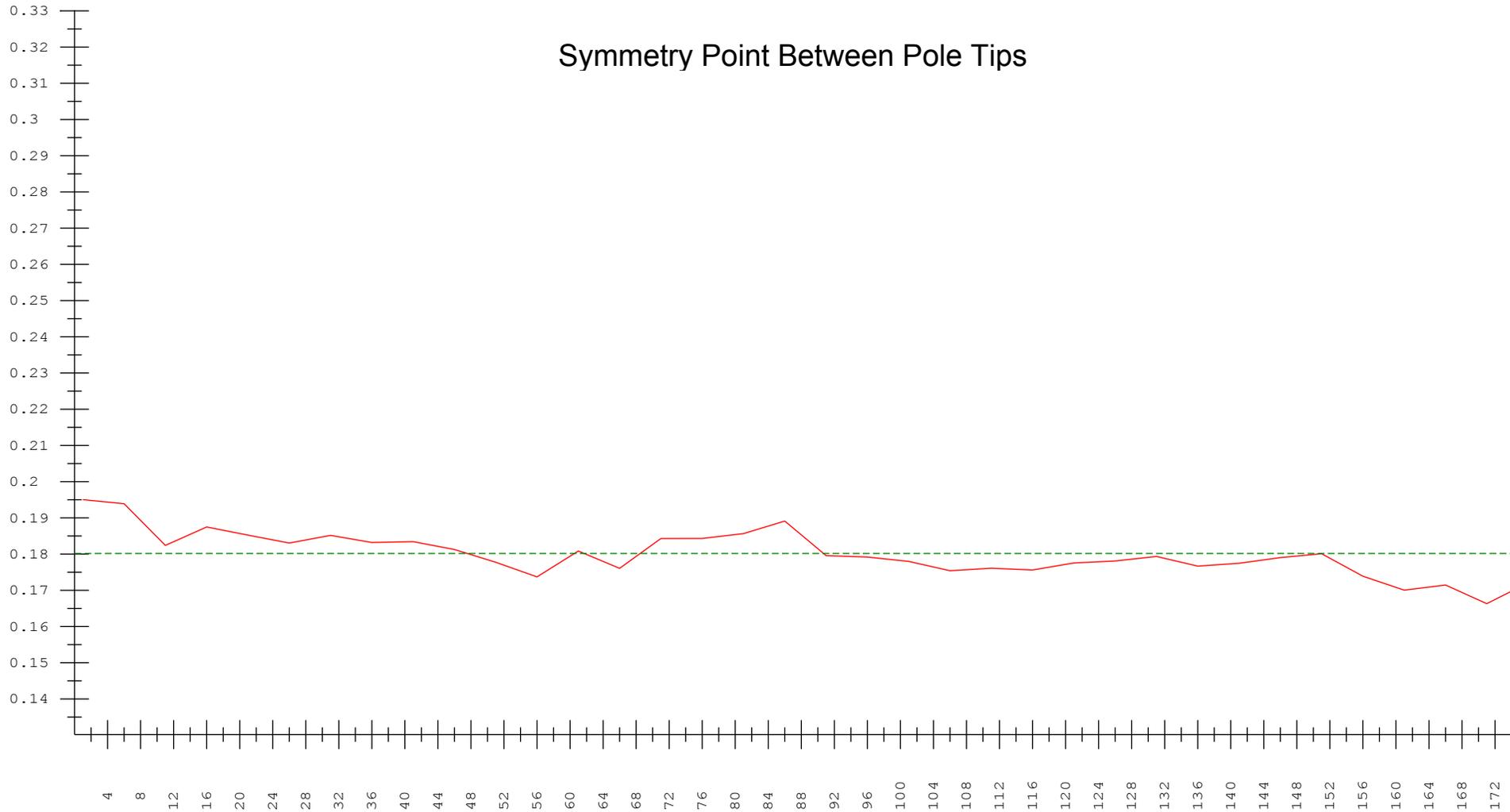
05-FEB-2018

S/N = 005

D/S = 0001

Run = 06

### Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.1802

Step Between Measured Pole Tips = 5

Dimensions in mm



## LCLS II - SXR Undulator

Nominal Gap = 7.4

Gap Reading = 7.3999

US Encoder = 7.3999

DS Encoder = 7.3999

05-FEB-2018

S/N = 005

D/S = 0001

Run = 06

## 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>	3.8831	3.8796	3.8707	3.8671
<b>Bottom</b>	-3.5073	-3.5108	-3.5195	-3.5231

## Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
3.8748	-3.5145	7.3893	0.1802

## Additional Calculated Values

<b>Bottom Pole #1 Z Value</b>	<b>979.331</b>
<b>Top Jaw Pitch (mrad)</b>	<b>0.005</b>
<b>Bottom Jaw Pitch(mrad)</b>	<b>-0.005</b>
<b>Minimum Effective Gap</b>	<b>7.347</b>
<b>Reference Block Gap</b>	<b>6.808</b>

Dimensions in mm



### LCLS II - SXR Undulator

Nominal Gap = 7.4

Gap Reading = 7.3999

US Encoder = 7.3999

DS Encoder = 7.3999

05-FEB-2018

S/N = 005

D/S= 0001

Run= 06