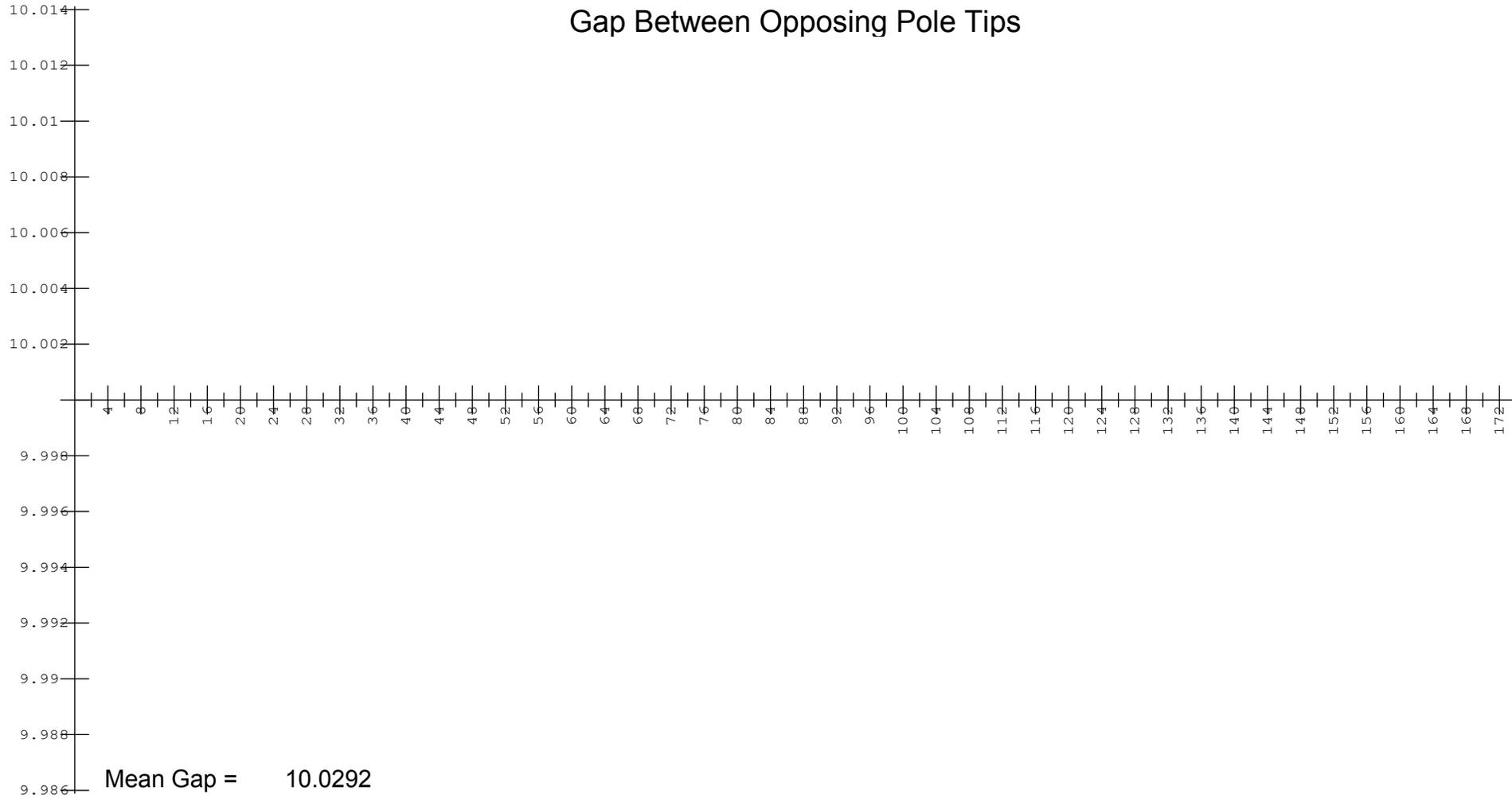


Y Value Scales Centered on Mean Values
 Step Between Measured Pole Tips = 135

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

 NATIONAL ACCELERATOR LABORATORY METROLOGY	<h2 style="margin: 0;">LCLS II - SXR Undulator</h2> <p style="margin: 0;">Nominal Gap = 10</p> <p style="margin: 0;">Gap Reading = 10.0000 US Encoder = 10.0000 DS Encoder = 10.0000</p>	<p style="margin: 0;">13-MAR-2018</p> <p style="margin: 0;">S/N = 007</p> <p style="margin: 0;">D/S = 0001</p> <p style="margin: 0;">Run = 26</p>
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Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 135

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 10

Gap Reading = 10.0000 US Encoder = 10.0000 DS Encoder = 10.0000

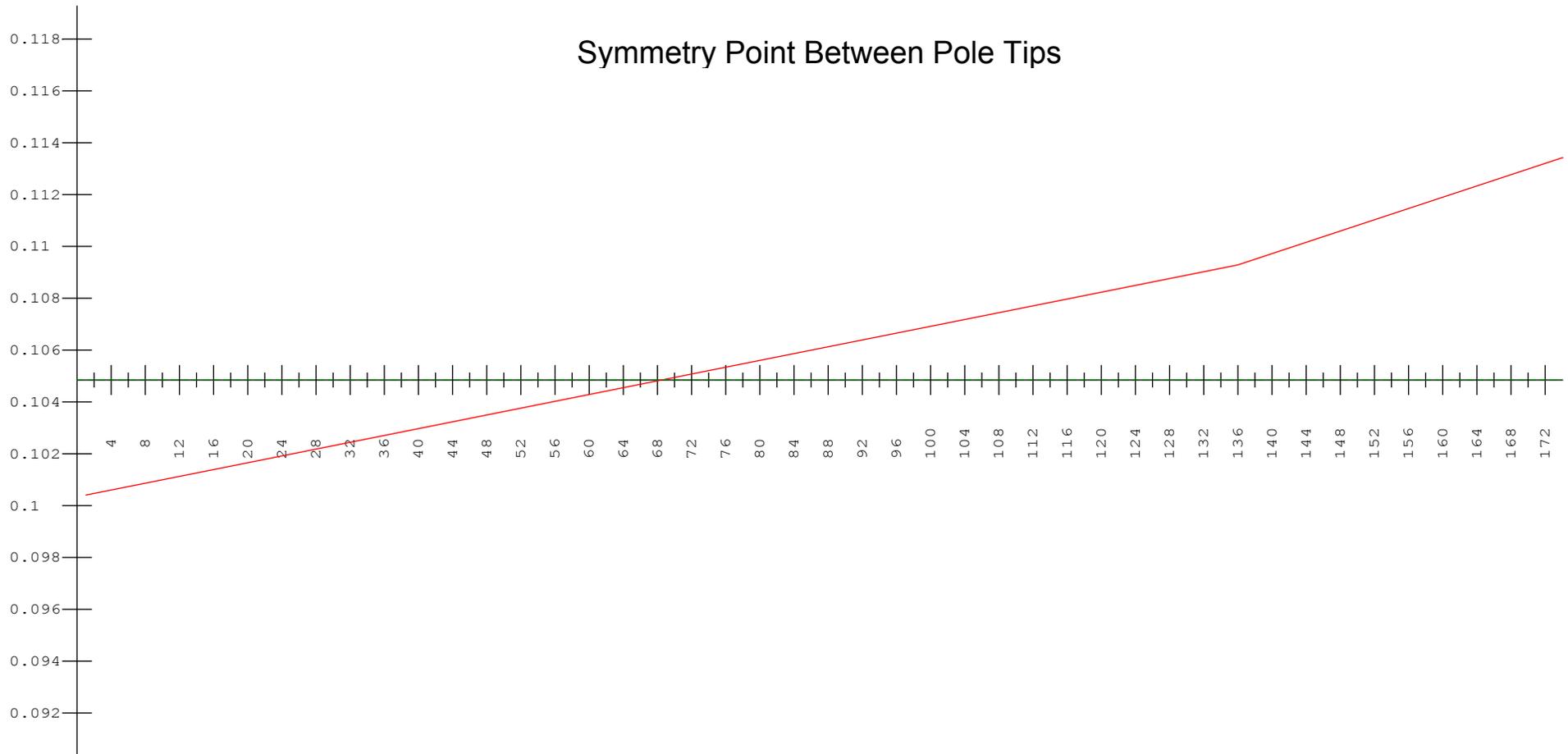
13-MAR-2018

S/N = 007

D/S = 0001

Run = 26

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.1048

Step Between Measured Pole Tips = 135

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 10

Gap Reading = 10.0000 US Encoder = 10.0000 DS Encoder = 10.0000

13-MAR-2018

S/N = 007

D/S= 0001

Run= 26

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)
Top	5.1167	5.1186	5.1234	5.1254
Bottom	-4.9163	-4.9126	-4.9035	-4.8998
Gap	10.0330			10.0252
Taper				-0.0078

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.1195	-4.9098	10.0292	0.1048

Additional Calculated Values

Bottom Pole #1 Z Value	979.180
Top Jaw Pitch (mrad)	0.003
Bottom Jaw Pitch(mrad)	0.005
Minimum Effective Gap	10.017
Reference Block Gap	6.811

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 10

Gap Reading = 10.0000 US Encoder = 10.0000 DS Encoder = 10.0000

13-MAR-2018
S/N = 007
D/S= 0001
Run= 26