

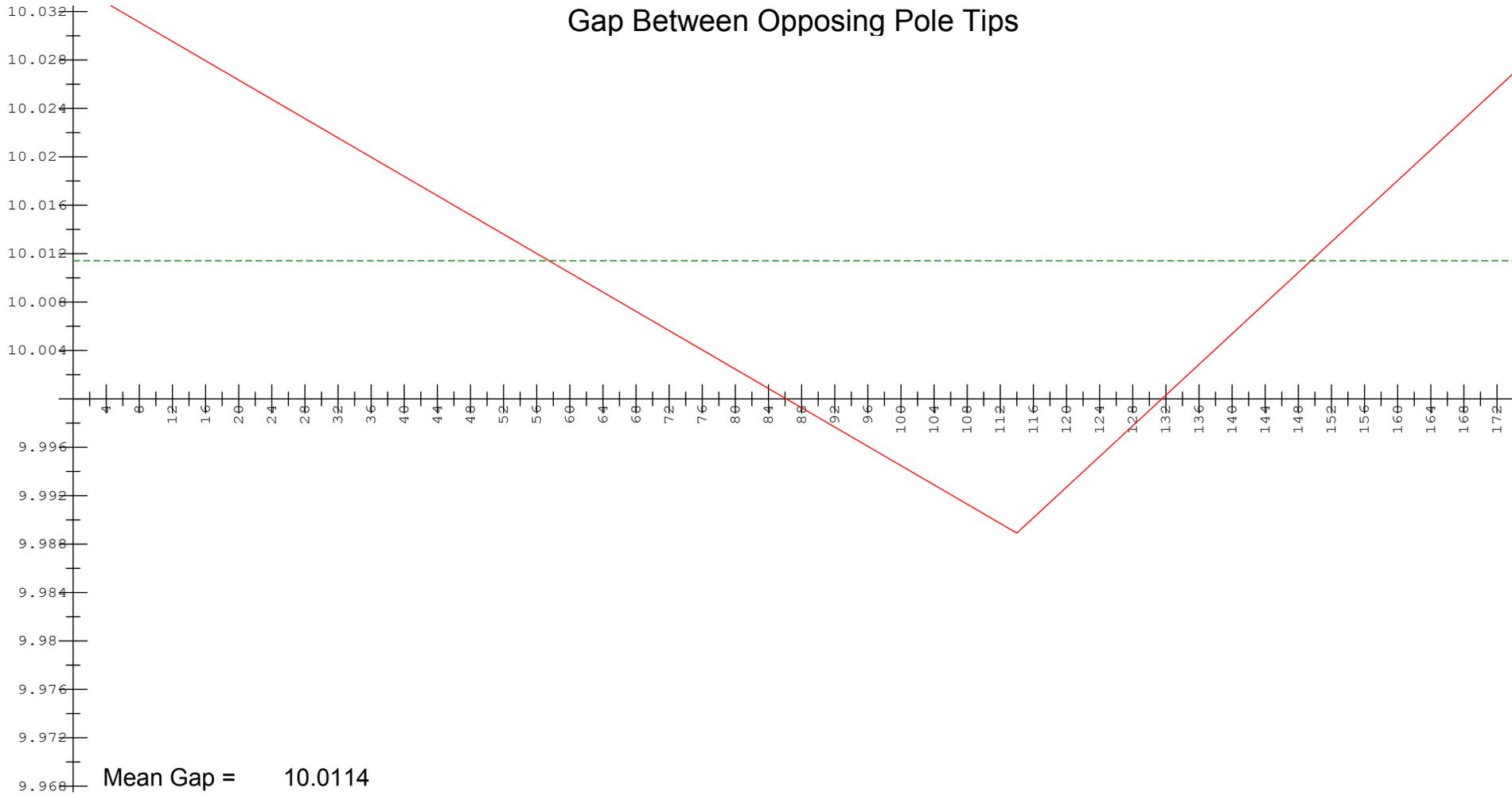
Minimum Effective Gap = 9.989

Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 113

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

<p>SLAC NATIONAL ACCELERATOR LABORATORY METROLOGY</p>	<p>LCLS II - SXR Undulator</p> <p>Nominal Gap = 10</p> <p>Gap Reading = 10.0000 US Encoder = 10.0000 DS Encoder = 10.0000</p>	<p>13-MAR-2018 S/N = 007 D/S = 0001 Run = 23</p>
--	--	--

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 113

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 10

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

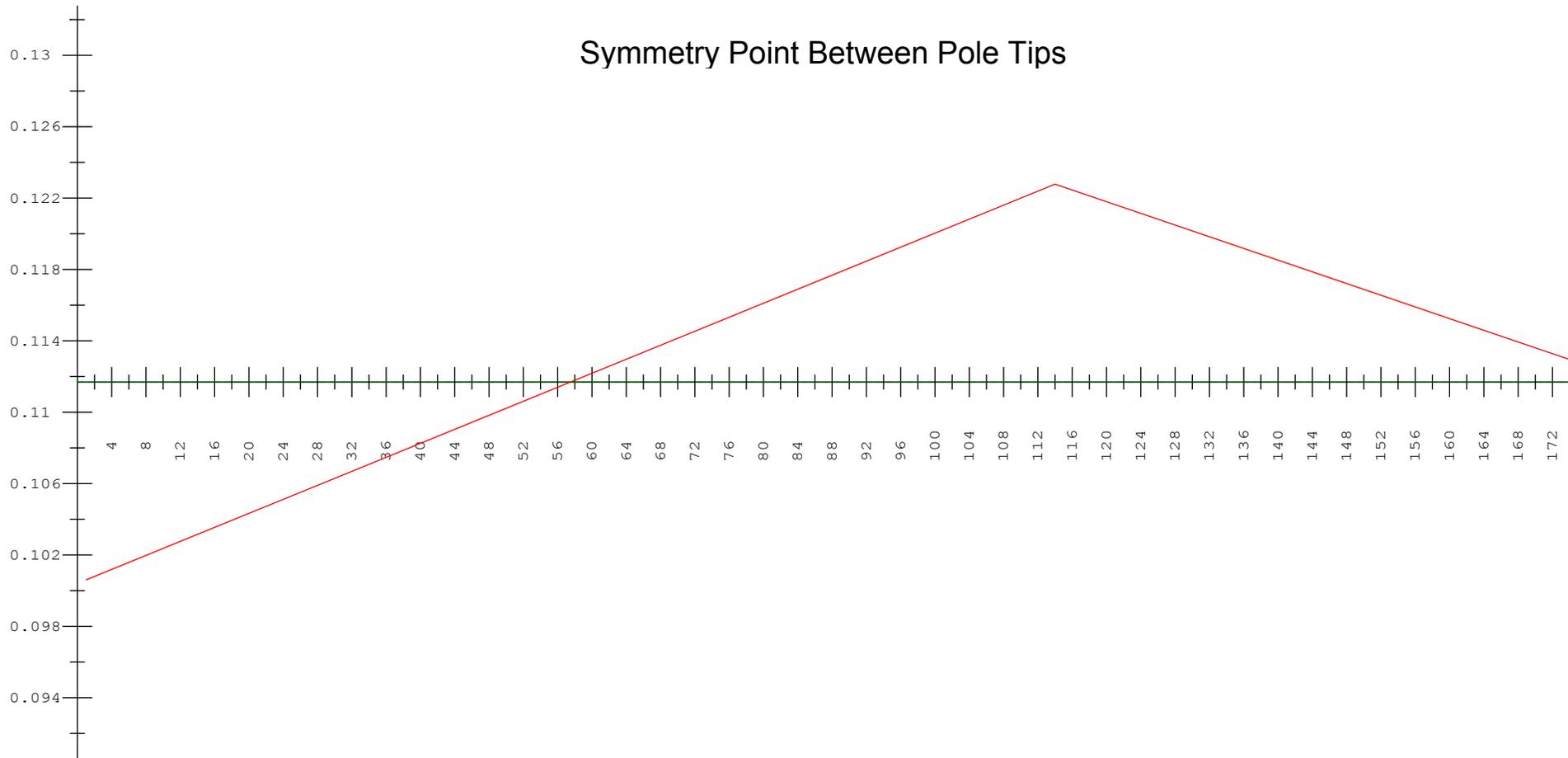
13-MAR-2018

S/N = 007

D/S = 0001

Run = 23

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.1117

Step Between Measured Pole Tips = 113

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 = 23

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	5.1162	5.1179	5.1221	5.1238
Bottom	-4.9087	-4.9037	-4.8911	-4.8860
Gap	10.0248			10.0098
Taper				-0.0150

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.1174	-4.8940	10.0114	0.1117

Additional Calculated Values

Bottom Pole #1 Z Value	979.180
Top Jaw Pitch (mrad)	0.002
Bottom Jaw Pitch(mrad)	0.007
Minimum Effective Gap	9.989
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= 23