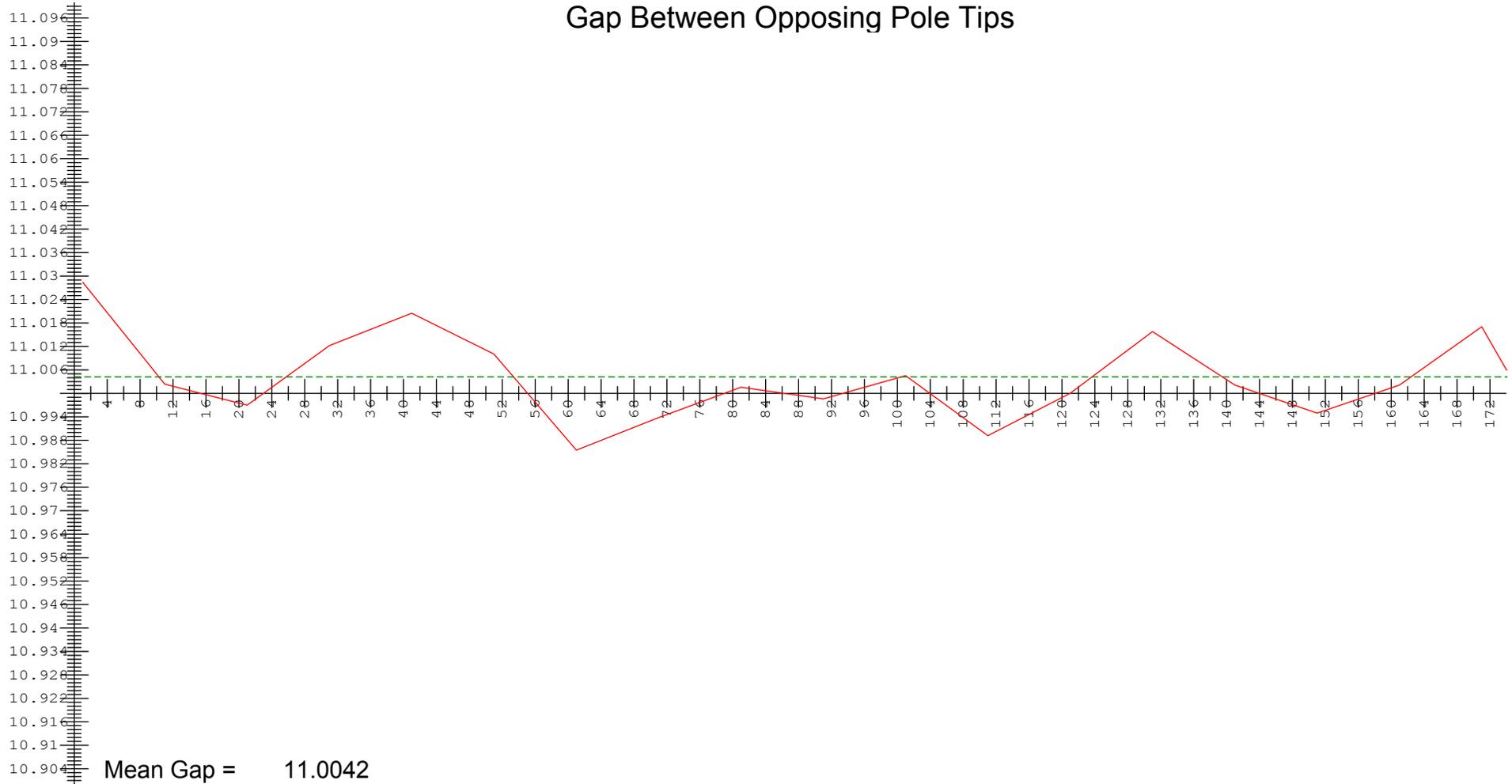


Y Value Scales Centered on Mean Values
 Step Between Measured Pole Tips = 10

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

<p>SLAC NATIONAL ACCELERATOR LABORATORY METROLOGY</p>	<p>LCLS II - SXR Undulator</p> <p>Nominal Gap = 11</p> <p>Gap Reading = 11.0000 US Encoder = 11.0001 DS Encoder = 11.0000</p>	<p>12-DEC-2017 S/N = 006 D/S = 0001 Run = 07</p>
--------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 10

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 11

Gap Reading = 11.0000 US Encoder = 11.0001 DS Encoder = 11.0000

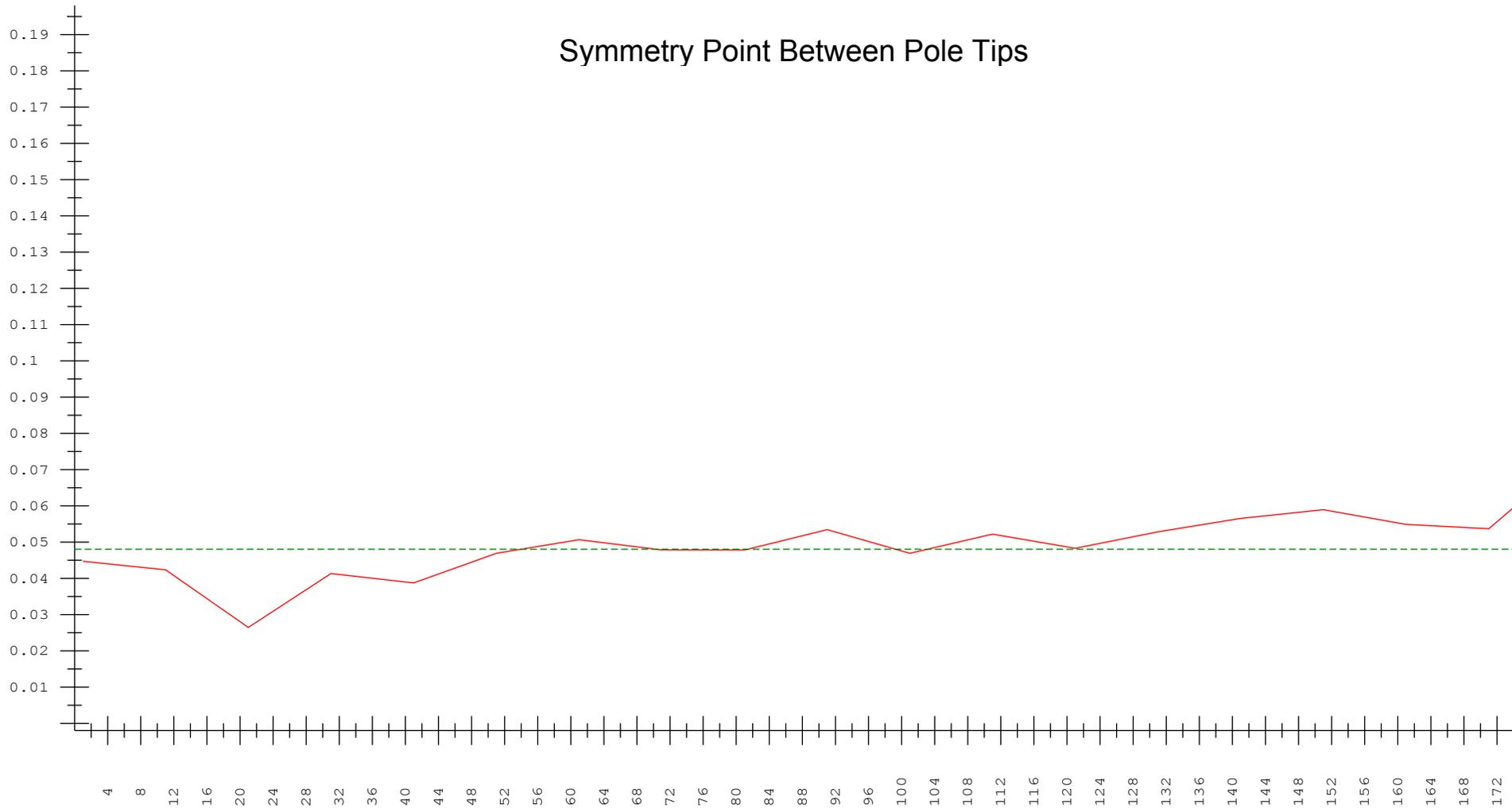
12-DEC-2017

S/N = 006

D/S = 0001

Run = 07

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.0480

Step Between Measured Pole Tips = 10

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 11

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US Encoder = 11.0001

DS Encoder = 11.0000

12-DEC-2017

S/N = 006

D/S = 0001

Run = 07

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	5.5421	5.5458	5.5551	5.5589
Bottom	-5.4652	-5.4602	-5.4477	-5.4427

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.5501	-5.4541	11.0042	0.0480

Additional Calculated Values

Bottom Pole #1 Z Value	979.309
Top Jaw Pitch (mrad)	0.005
Bottom Jaw Pitch(mrad)	0.007
Minimum Effective Gap	10.963
Reference Block Gap	6.808

Dimensions in mm



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