Top Jaw Pole Tips

Y Dev.from Mean

10^{-3}

Mean TOP = 12.5769   Regression Line Ang. (mrad) = -0.0052

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 24.993

Y Dev.from Mean

10^{-3}

Mean BTM = -12.4455   Regression Line Ang. (mrad) = -0.0032

Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 11

Regression Line Through Points =
Dimensions in mm

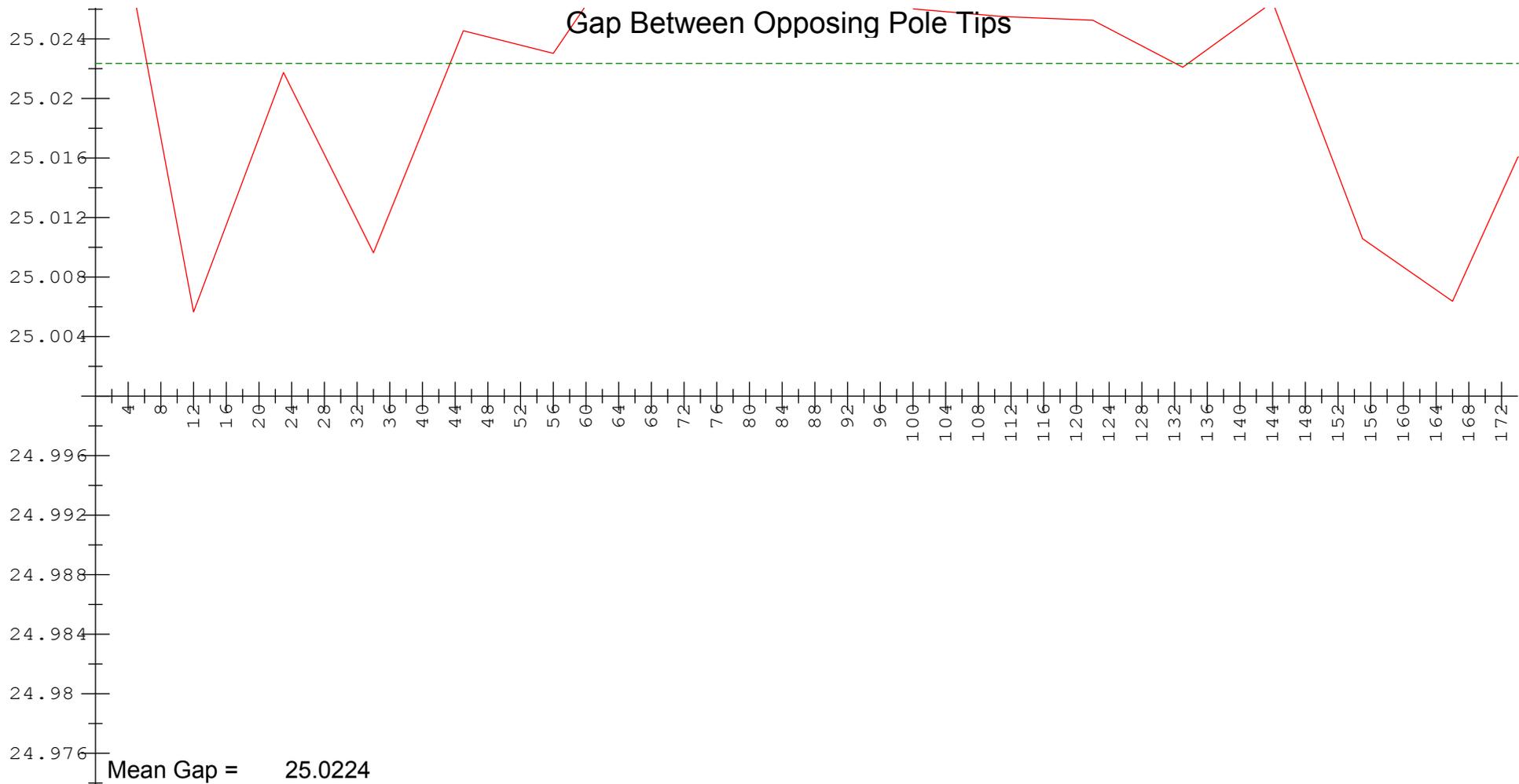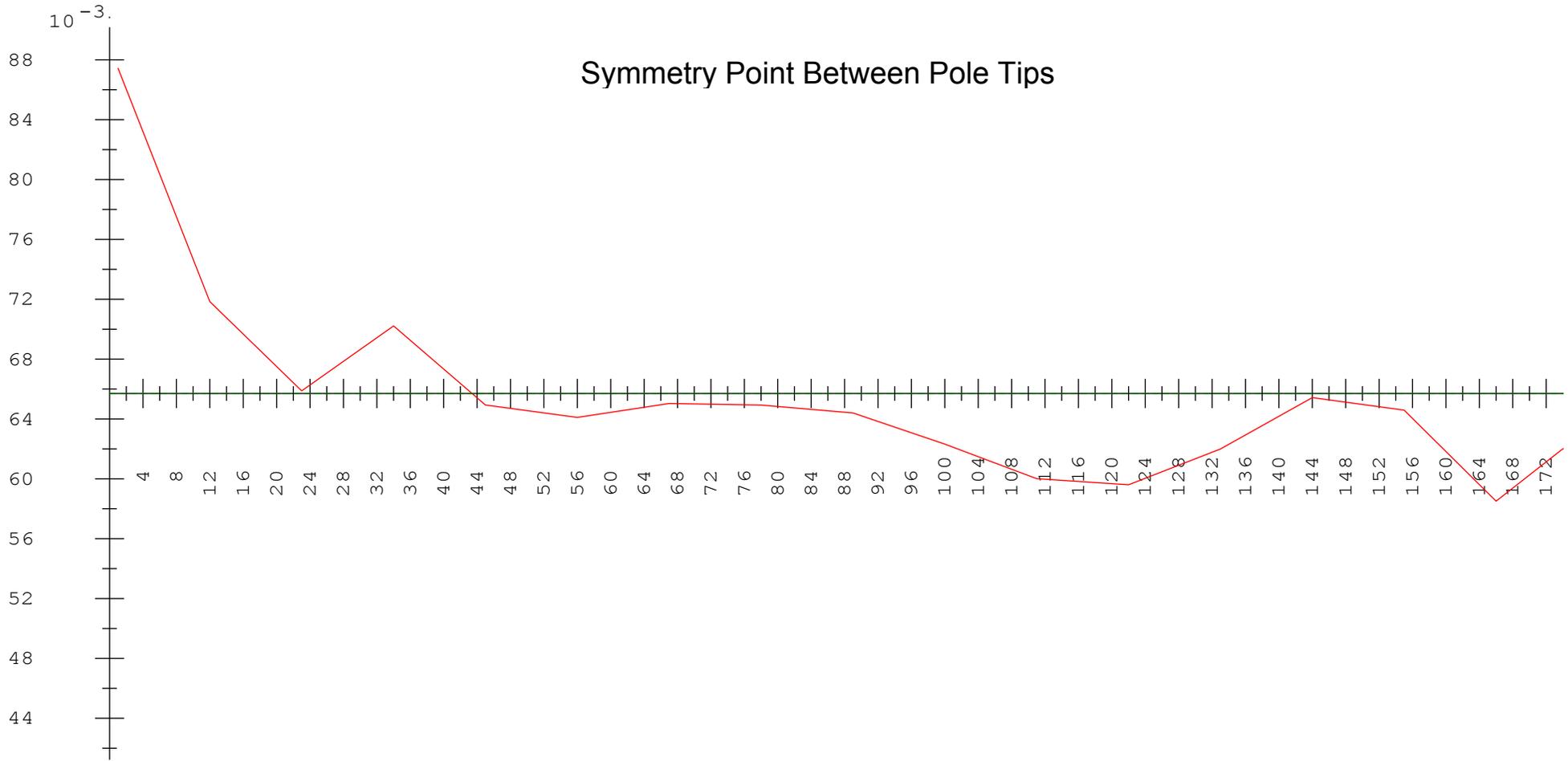| SLAC NATIONAL ACCELERATOR LABORATORY METROLOGY	**LCLS II - SXR Undulator** Nominal Gap = 25 Nominal Taper = 0.000 Gap Reading = 25.0000 US Encoder = 25.0000 DS Encoder = 25.0000	07-JUN-2018 S/N = 011 D/S = 0001 Run = 13

Gap Between Opposing Pole Tips

Mean Gap =   25.0224

Step Between Measured Pole Tips =   11

Dimensions in mm

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0657

Step Between Measured Pole Tips =   11

Dimensions in mm

LCLS II - SXR Undulator
Nominal Gap = 25   Nominal Taper = 0.000
Gap Reading = 25.0000   US Encoder = 25.0000   DS Encoder = 25.0000

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METROLOGY

07-JUN-2018
S/N =   011
D/S=   0001
Run=   13

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	12.5854	12.5816	12.5718	12.5678
Bottom	-12.4400	-12.4424	-12.4484	-12.4509
Gap	25.0254			25.0186
Taper				-0.0068

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
12.5769	-12.4455	25.0224	0.0657

Additional Calculated Values

Bottom Pole #1 Z Value	979.744
Top Jaw Pitch (mrad)	-0.005
Bottom Jaw Pitch(mrad)	-0.003
Minimum Effective Gap	24.993
Reference Block Gap	6.806

Dimensions in mm

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METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 25   Nominal Taper = 0.000
Gap Reading = 25.0000   US Encoder = 25.0000   DS Encoder = 25.0000

07-JUN-2018
S/N = 011
D/S = 0001
Run = 13