Top Jaw Pole Tips

Mean TOP = 5.1013   Regression Line Ang. (mrad) = -0.0094

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 9.881

Mean BTM = -4.8859   Regression Line Ang. (mrad) = 0.0155

Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1
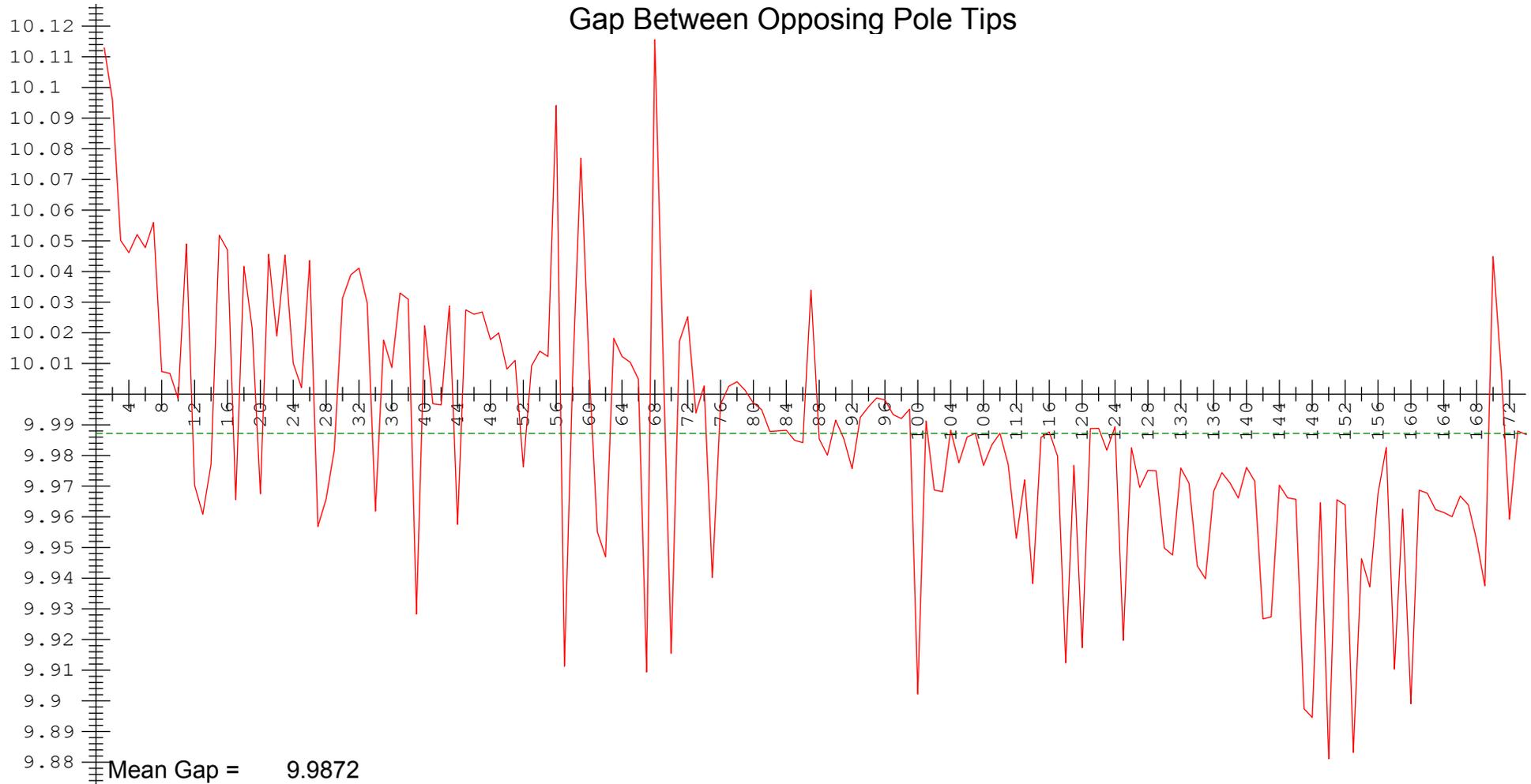
Regression Line Through Points = ‑‑‑‑‑‑‑
Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = -0.1
Gap Reading = 9.9500   US Encoder = 10.0000   DS Encoder = 9.9000

12-APR-2018
S/N = 008
D/S = 0001
Run = 1

Gap Between Opposing Pole Tips

Mean Gap = 9.9872

Step Between Measured Pole Tips = 1

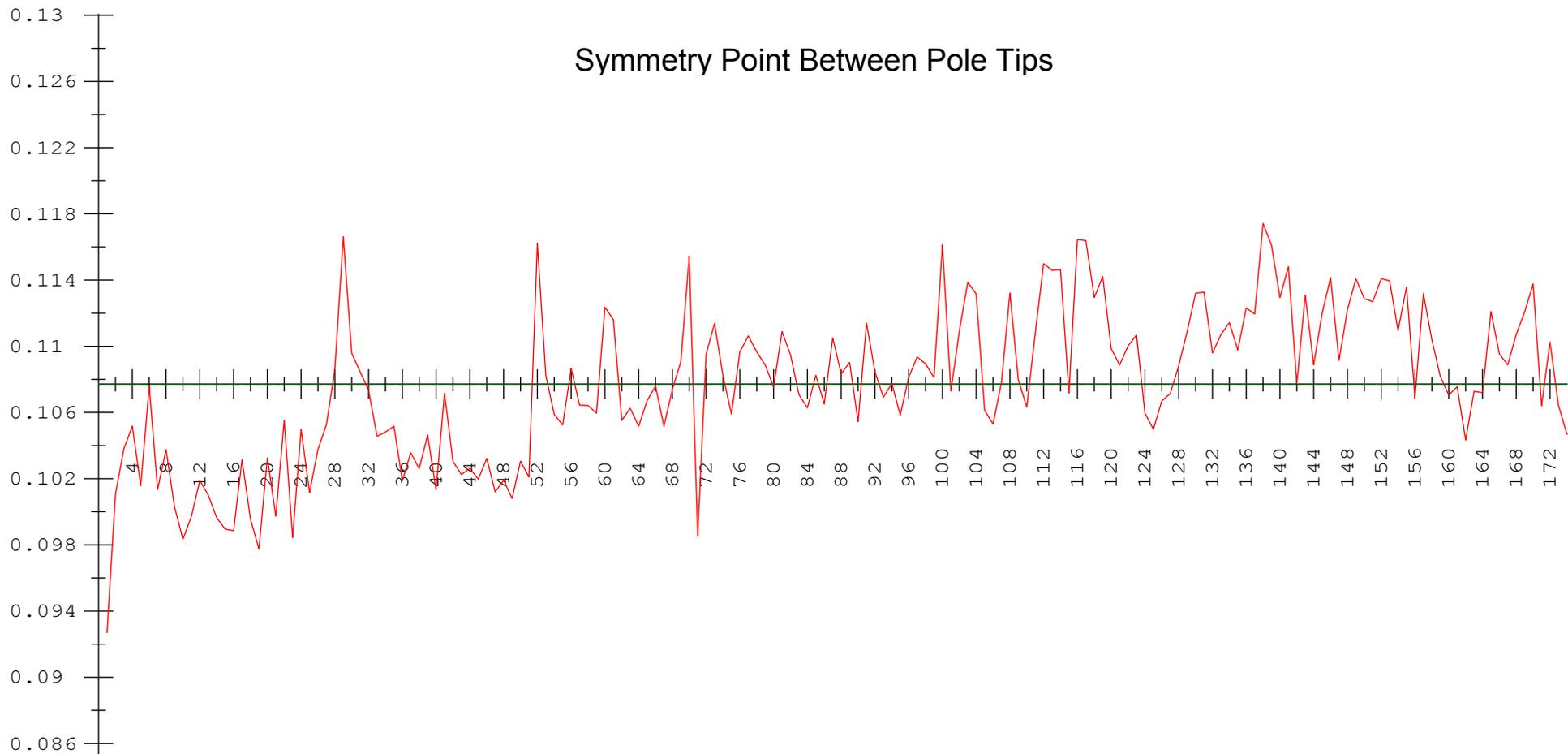Dimensions in mm

SLAC
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METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = -0.1
Gap Reading = 9.9500   US Encoder = 10.0000   DS Encoder = 9.9000

12-APR-2018
S/N = 008
D/S = 0001
Run = 1

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.1077

Step Between Measured Pole Tips =   1

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 10   Nominal Taper = -0.1

Gap Reading = 9.9500   US Encoder = 10.0000   DS Encoder = 9.9000

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12-APR-2018
S/N =   008
D/S=   0001
Run=   1

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	5.1172	5.1102	5.0926	5.0855
Bottom	-4.9120	-4.9005	-4.8716	-4.8598
Gap	10.0291			9.9453
Taper				-0.0838

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.1013	-4.8859	9.9872	0.1077

Additional Calculated Values

Bottom Pole #1 Z Value	979.404
Top Jaw Pitch (mrad)	-0.009
Bottom Jaw Pitch(mrad)	0.015
Minimum Effective Gap	9.881
Reference Block Gap	6.807

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = -0.1
Gap Reading = 9.9500   US Encoder = 10.0000   DS Encoder = 9.9000

12-APR-2018
S/N =   008
D/S=   0001
Run=   1