Top Jaw Pole Tips

Mean TOP =   5.1225   Regression Line Ang. (mrad) =   0.0042

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap =   9.934

Mean BTM =   -4.9135   Regression Line Ang. (mrad) =   0.0001

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips =   1

Regression Line Through Points =————

Dimensions in mm
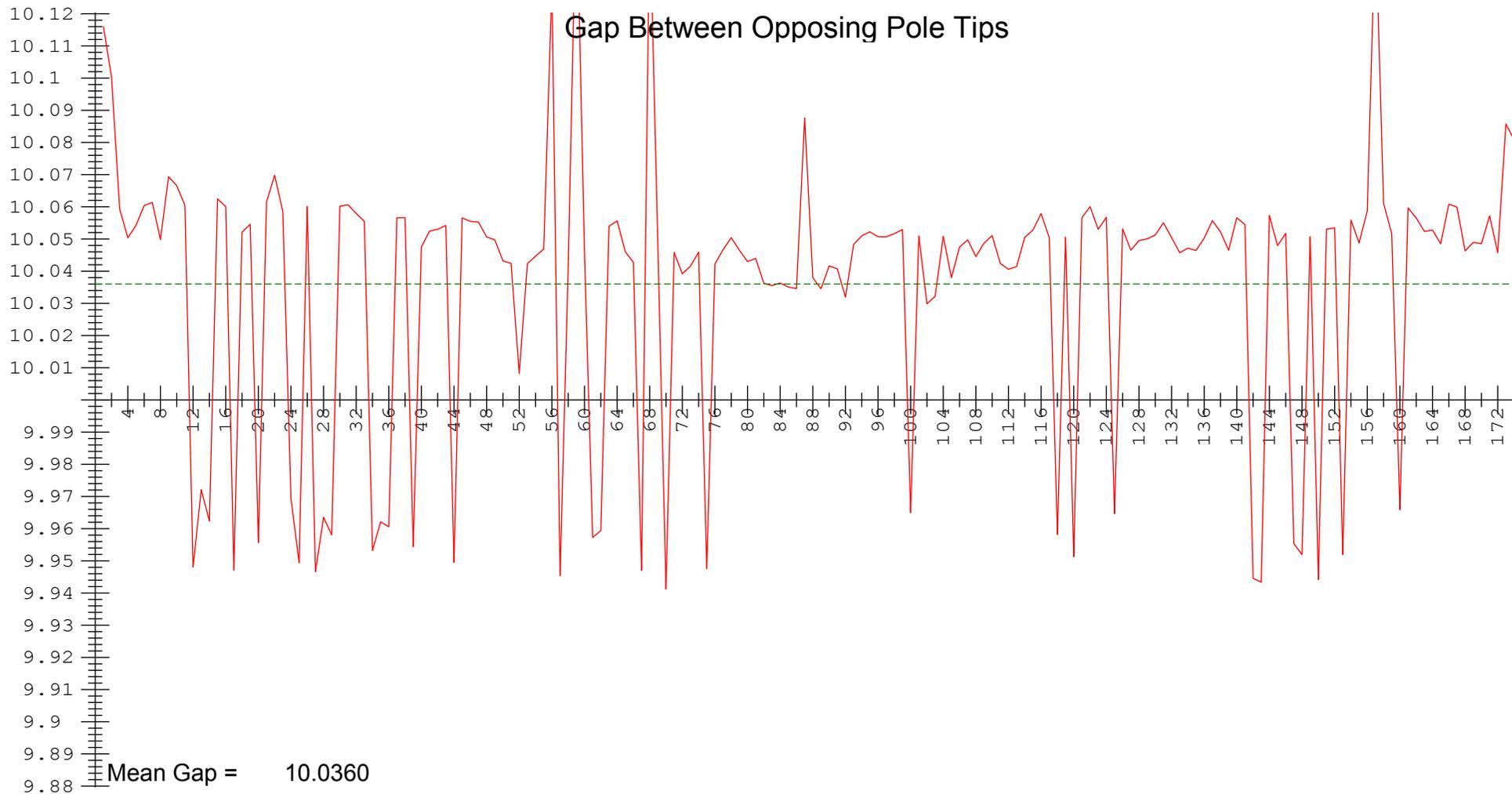
LCLS II - SXR Undulator

Nominal Gap = 10   Nominal Taper = 0

Gap Reading = 9.9998   US Encoder = 9.9998   DS Encoder = 9.9998

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03-APR-2018
S/N =   008
D/S=   0001
Run=   13

Gap Between Opposing Pole Tips

Mean Gap = 10.0360

Step Between Measured Pole Tips = 1

Dimensions in mm

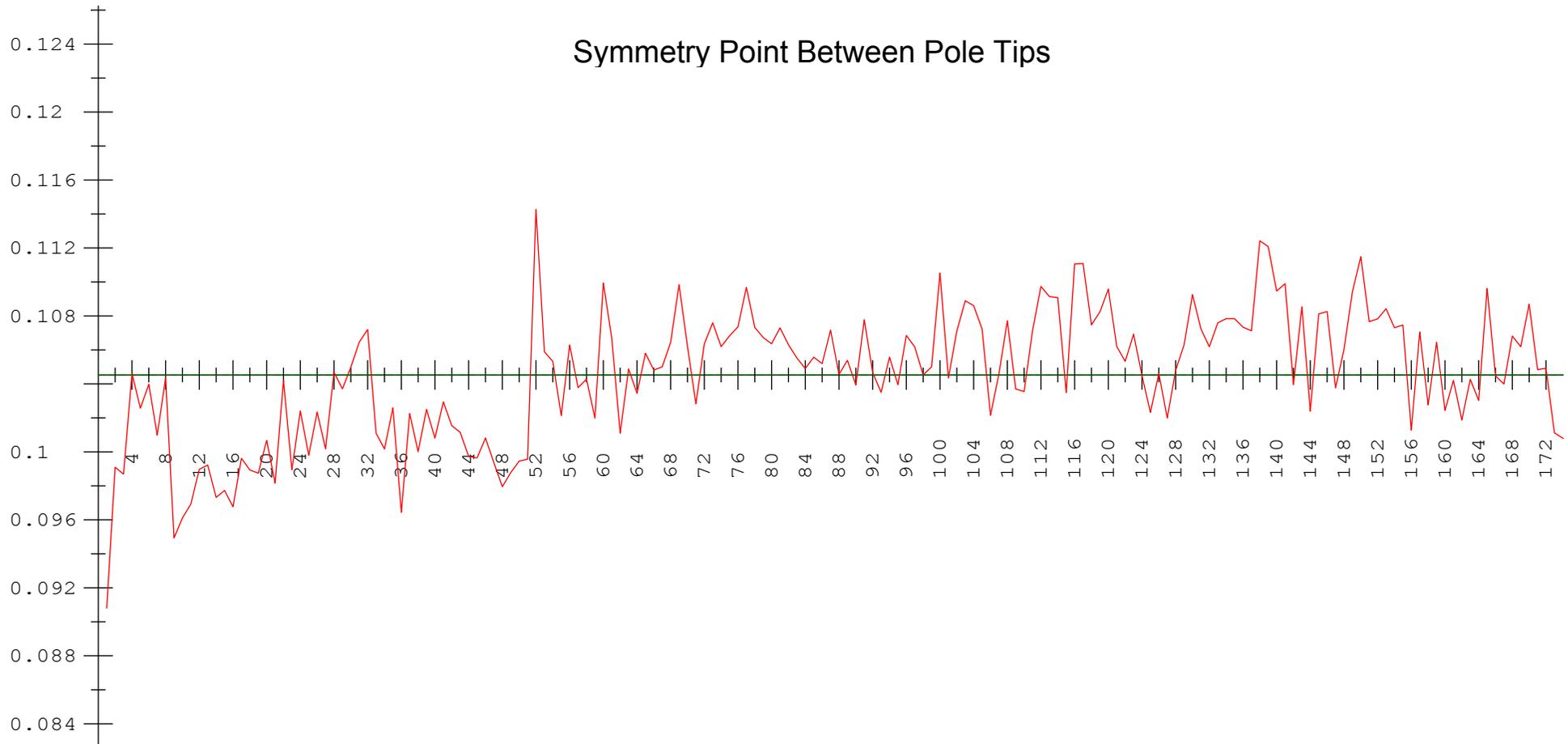**LCLS II - SXR Undulator**

Nominal Gap = 10   Nominal Taper = 0

Gap Reading = 9.9998   US Encoder = 9.9998   DS Encoder = 9.9998

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METROLOGY

03-APR-2018
S/N = 008
D/S= 0001
Run= 13

Symmetry Point Between Pole Tips

Mean Symmetry Value = 0.1045

Step Between Measured Pole Tips = 1

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 10   Nominal Taper = 0

Gap Reading = 9.9998   US Encoder = 9.9998   DS Encoder = 9.9998

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S/N = 008
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	5.1154	5.1185	5.1264	5.1297
Bottom	-4.9137	-4.9136	-4.9133	-4.9132
Gap	10.0292			10.0429
Taper				0.0137

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.1225	-4.9135	10.0360	0.1045

Additional Calculated Values

Bottom Pole #1 Z Value	979.400
Top Jaw Pitch (mrad)	0.004
Bottom Jaw Pitch(mrad)	0.000
Minimum Effective Gap	9.934
Reference Block Gap	6.806

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 10   Nominal Taper = 0
Gap Reading = 9.9998   US Encoder = 9.9998   DS Encoder = 9.9998

03-APR-2018
S/N = 008
D/S= 0001
Run= 13