Top Jaw Pole Tips

Mean TOP =　5.0150　　Regression Line Ang. (mrad) =　0.0041

Pole Tip Num. ---->　　　　　　Bottom Jaw Pole Tips　　　　Minimum Effective Gap =　9.799

Mean BTM =　-4.9712　　Regression Line Ang. (mrad) =　-0.0063

Y Value Scales Centered on Mean Values　　　　　　　Regression Line Through Points =‑‑‑‑‑‑‑‑
Step Between Measured Pole Tips =　5　　　　　　　　　　　　Dimensions in mm
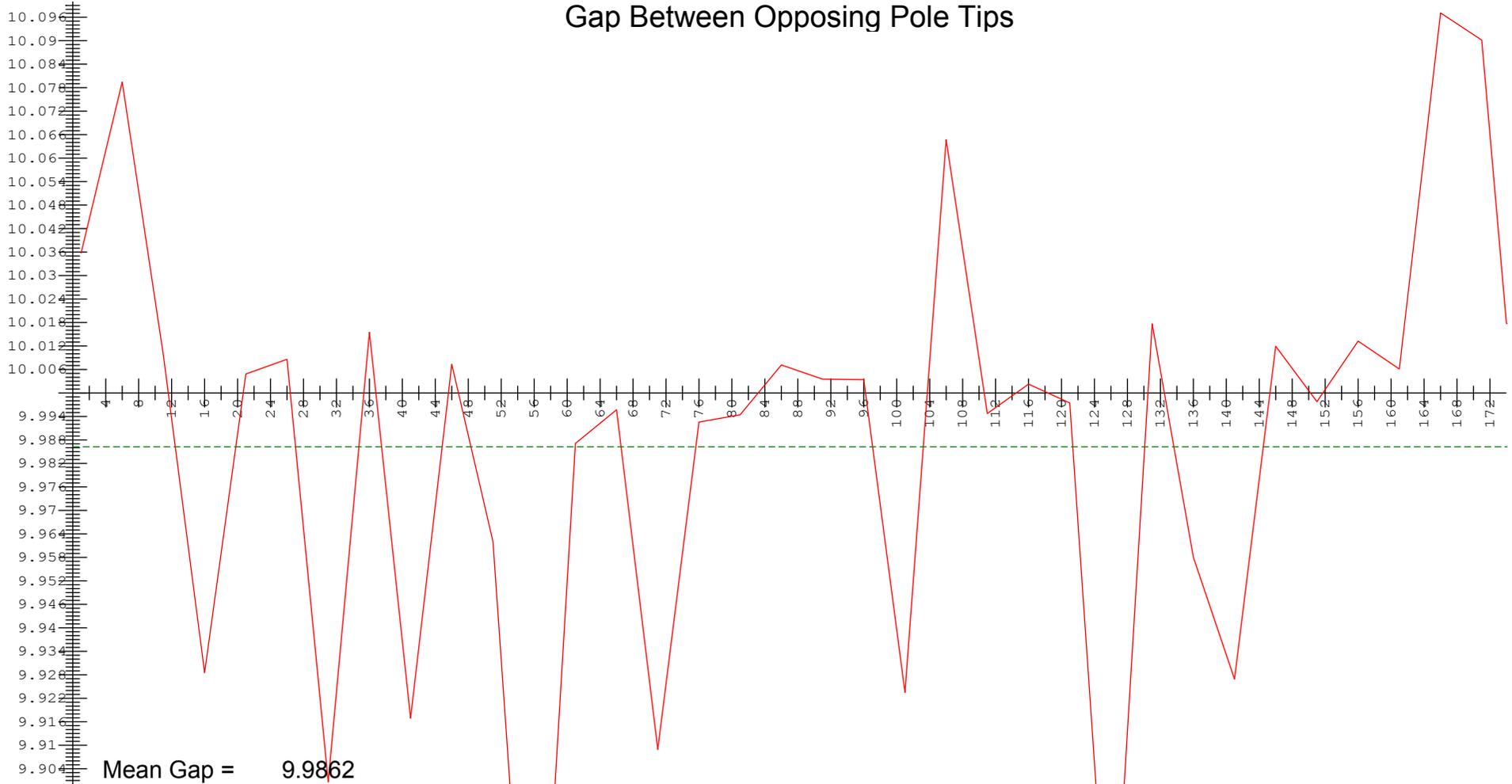
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LCLS II - SXR Undulator
Nominal Gap = 10
Gap Reading = 10.0000　　US Encoder = 9.9999　　DS Encoder = 10.0000

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S/N =　006
D/S=　0001
Run=　09

Gap Between Opposing Pole Tips

Mean Gap =   9.9862

Step Between Measured Pole Tips =   5

Dimensions in mm

LCLS II - SXR Undulator
Nominal Gap = 10

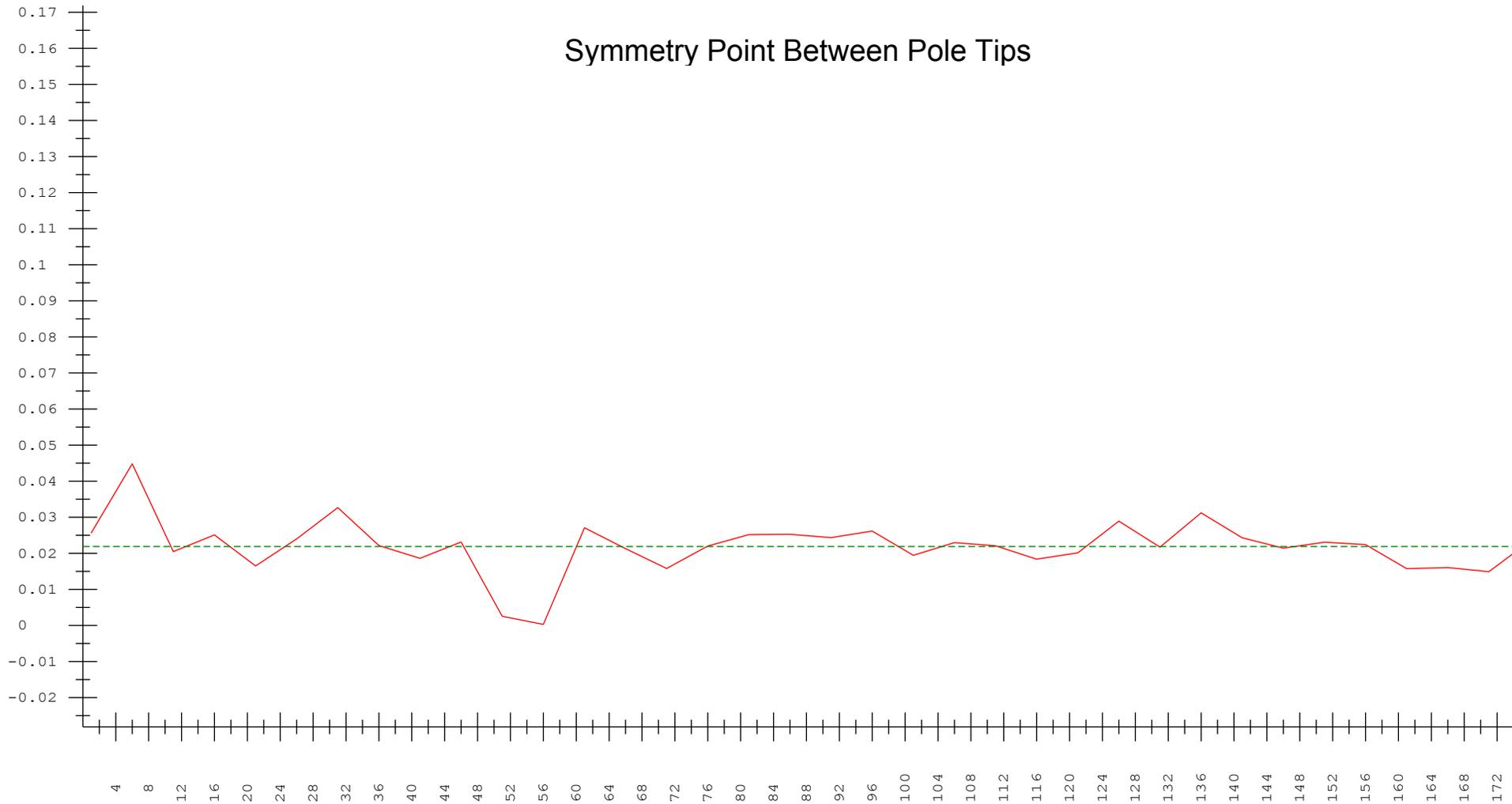Gap Reading = 10.0000   US Encoder = 9.9999   DS Encoder = 10.0000

25-JAN-2018
S/N =   006
D/S=   0001
Run=   09

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0219

Step Between Measured Pole Tips =   5

Dimensions in mm

LCLS II - SXR Undulator
Nominal Gap = 10
Gap Reading = 10.0000   US Encoder = 9.9999   DS Encoder = 10.0000

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D/S=   0001
Run=   09

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	5.0084	5.0115	5.0191	5.0222
Bottom	-4.9609	-4.9656	-4.9775	-4.9823

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0150	-4.9712	9.9862	0.0219

Additional Calculated Vlaues

Bottom Pole #1 Z Value	979.299
Top Jaw Pitch (mrad)	0.004
Bottom Jaw Pitch(mrad)	-0.006
Minimum Effective Gap	9.799
Reference Block Gap	6.809

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 10
Gap Reading = 10.0000   US Encoder = 9.9999   DS Encoder = 10.0000

25-JAN-2018
S/N = 006
D/S= 0001
Run= 09