Top Jaw Pole Tips

Mean TOP = 5.7742   Regression Line Ang. (mrad) = -0.0046

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 11.475

Mean BTM = -5.7303   Regression Line Ang. (mrad) = -0.0104

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

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

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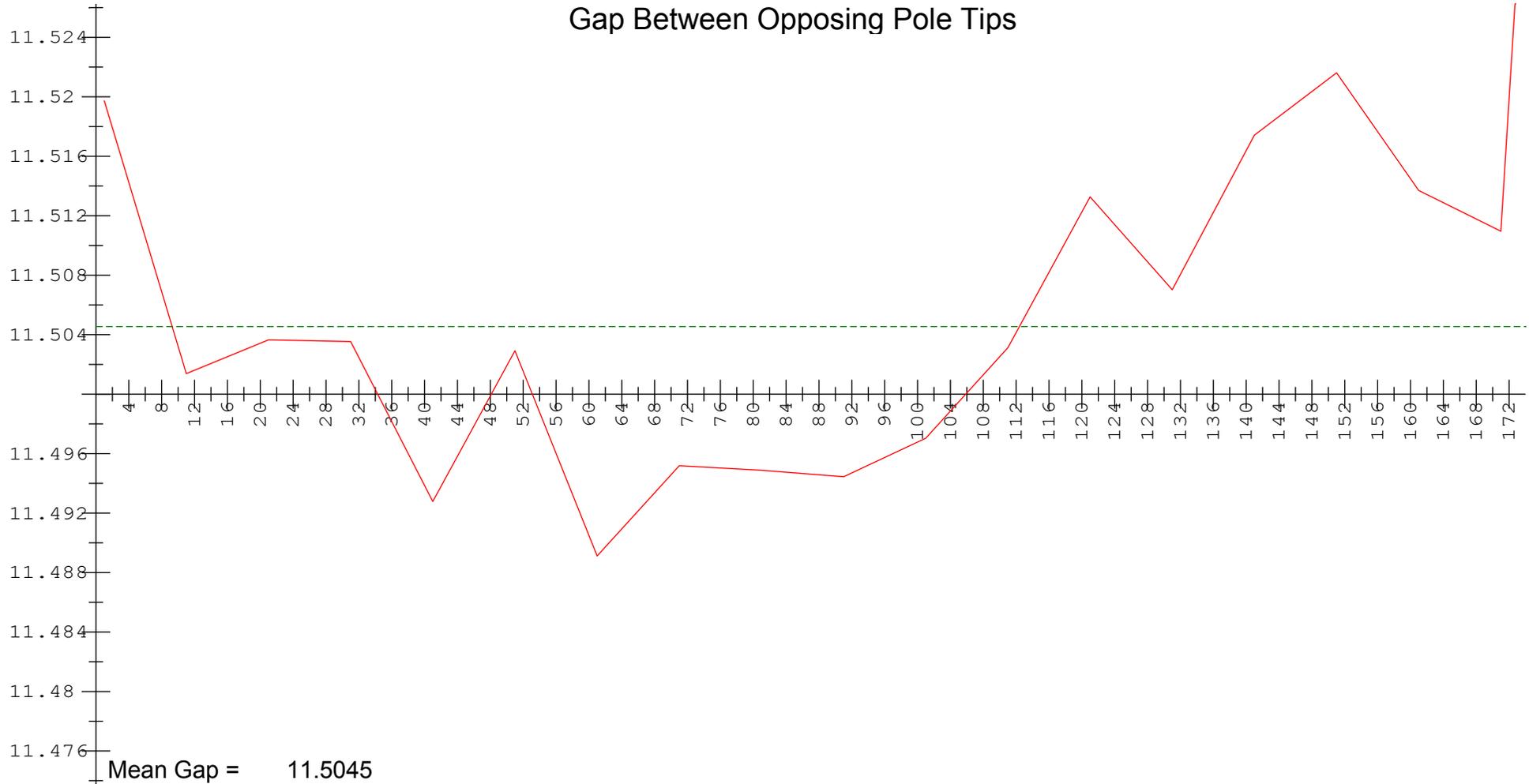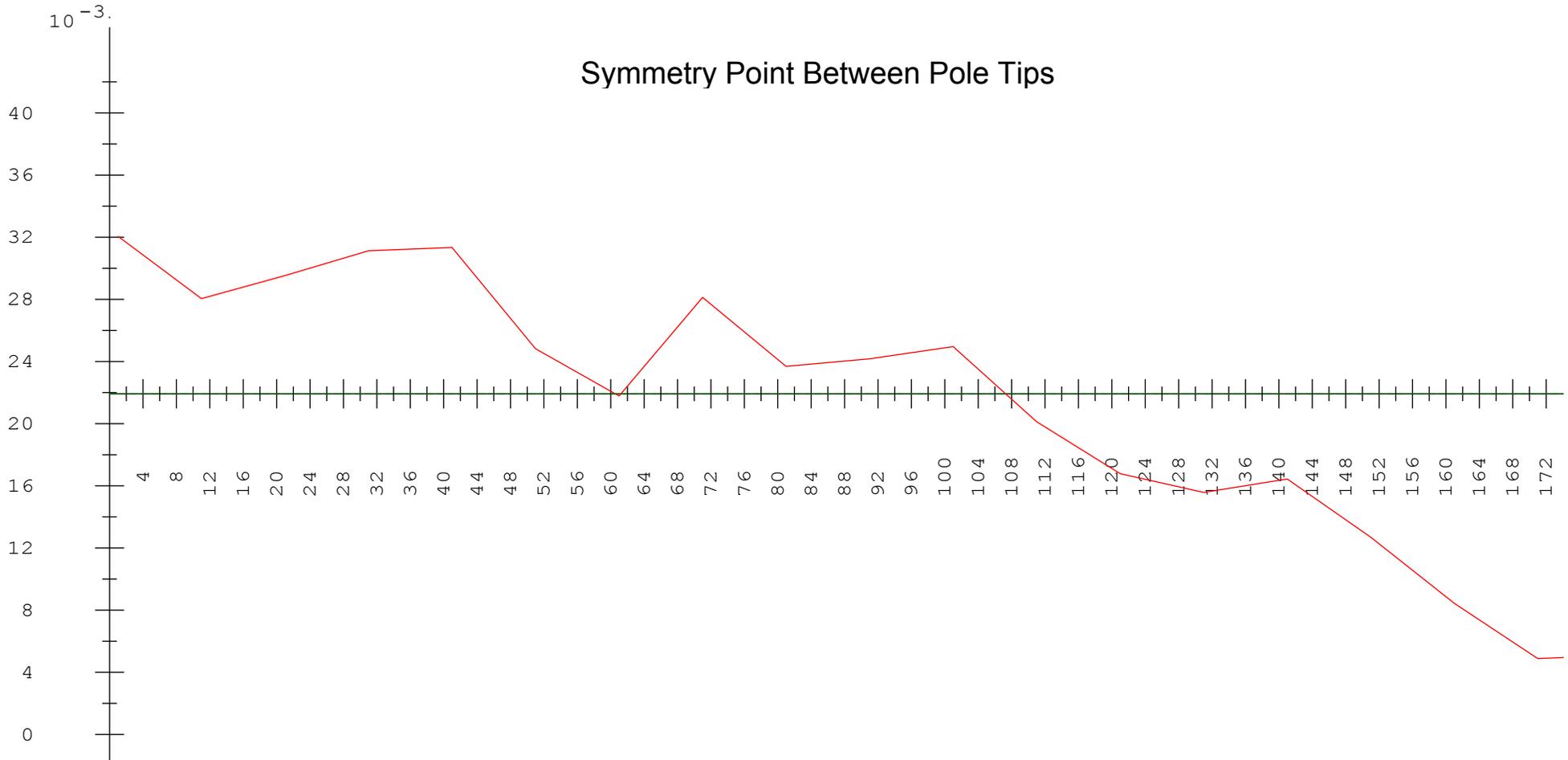METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 11.5   Nominal Taper = 0.000

Gap Reading = 11.5001   US Encoder = 11.5001   DS Encoder = 11.5001

19-APR-2018
S/N = 009
D/S= 0001
Run= 6

Gap Between Opposing Pole Tips

Mean Gap = 11.5045

Step Between Measured Pole Tips = 10

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 11.5   Nominal Taper = 0.000

Gap Reading = 11.5001   US Encoder = 11.5001   DS Encoder = 11.5001

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METROLOGY

19-APR-2018
S/N = 009
D/S= 0001
Run= 6

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0219

Step Between Measured Pole Tips =   10

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 11.5   Nominal Taper = 0.000

Gap Reading = 11.5001   US Encoder = 11.5001   DS Encoder = 11.5001

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S/N =   009
D/S=   0001
Run=   6

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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	5.7823	5.7788	5.7702	5.7666
Bottom	-5.7140	-5.7217	-5.7411	-5.7490
Gap	11.4963			11.5156
Taper				0.0194

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.7742	-5.7303	11.5045	0.0219

Additional Calculated Values

Bottom Pole #1 Z Value	979.421
Top Jaw Pitch (mrad)	-0.005
Bottom Jaw Pitch(mrad)	-0.010
Minimum Effective Gap	11.475
Reference Block Gap	6.806

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 11.5   Nominal Taper = 0.000
Gap Reading = 11.5001   US Encoder = 11.5001   DS Encoder = 11.5001

19-APR-2018
S/N = 009
D/S= 0001
Run= 6