Top Jaw Pole Tips

Mean TOP = 6.5432   Regression Line Ang. (mrad) =   -0.0009

Pole Tip Num. ---->   Bottom Jaw Pole Tips   Minimum Effective Gap =   12.995

Mean BTM = -6.4729   Regression Line Ang. (mrad) =   -0.0009

Y Value Scales Centered on Mean Values   Regression Line Through Points = ------------

Step Between Measured Pole Tips =   11   Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 13   Nominal Taper = 0.000
Gap Reading = 13.0001   US Encoder = 13.0001   DS Encoder = 13.0001

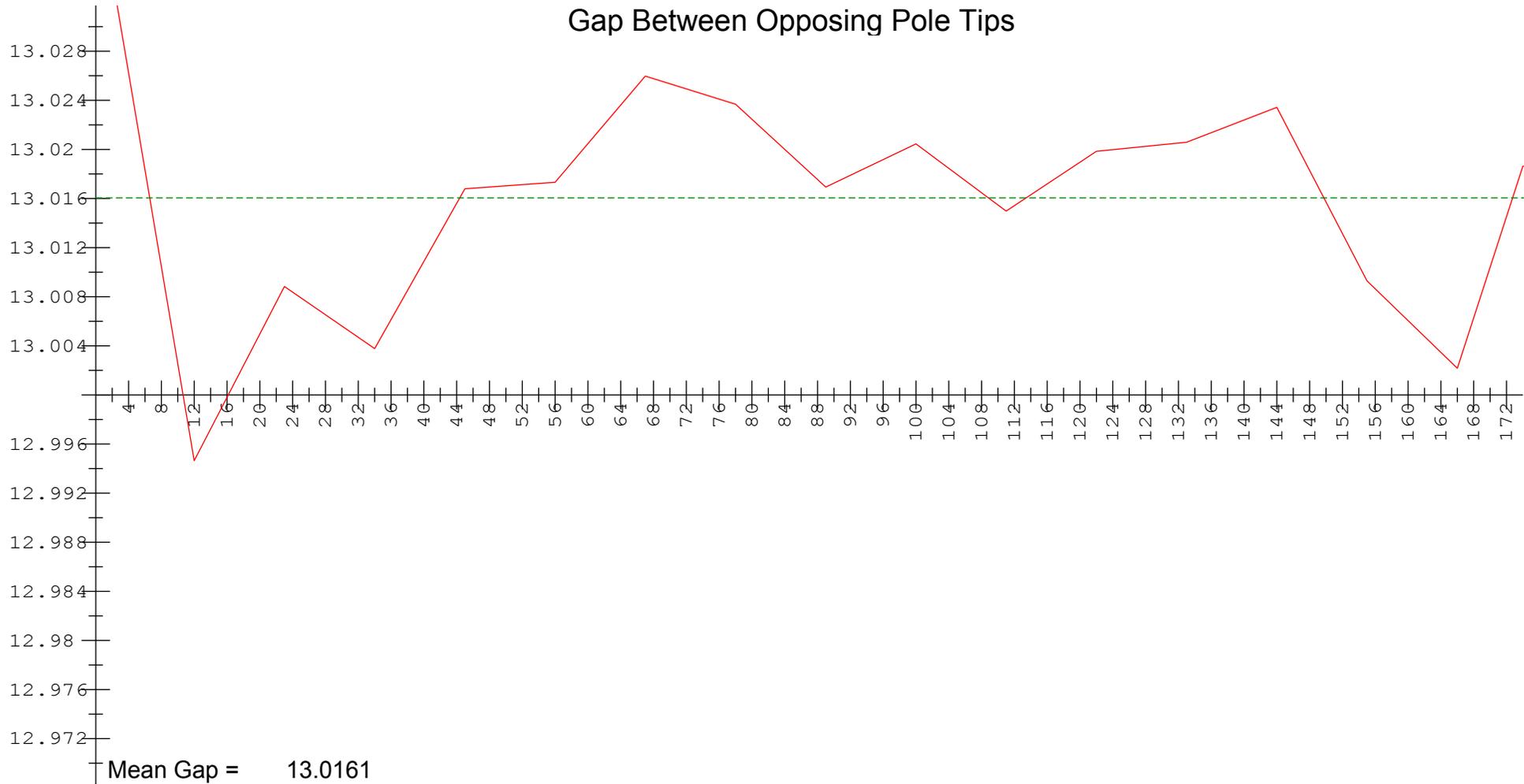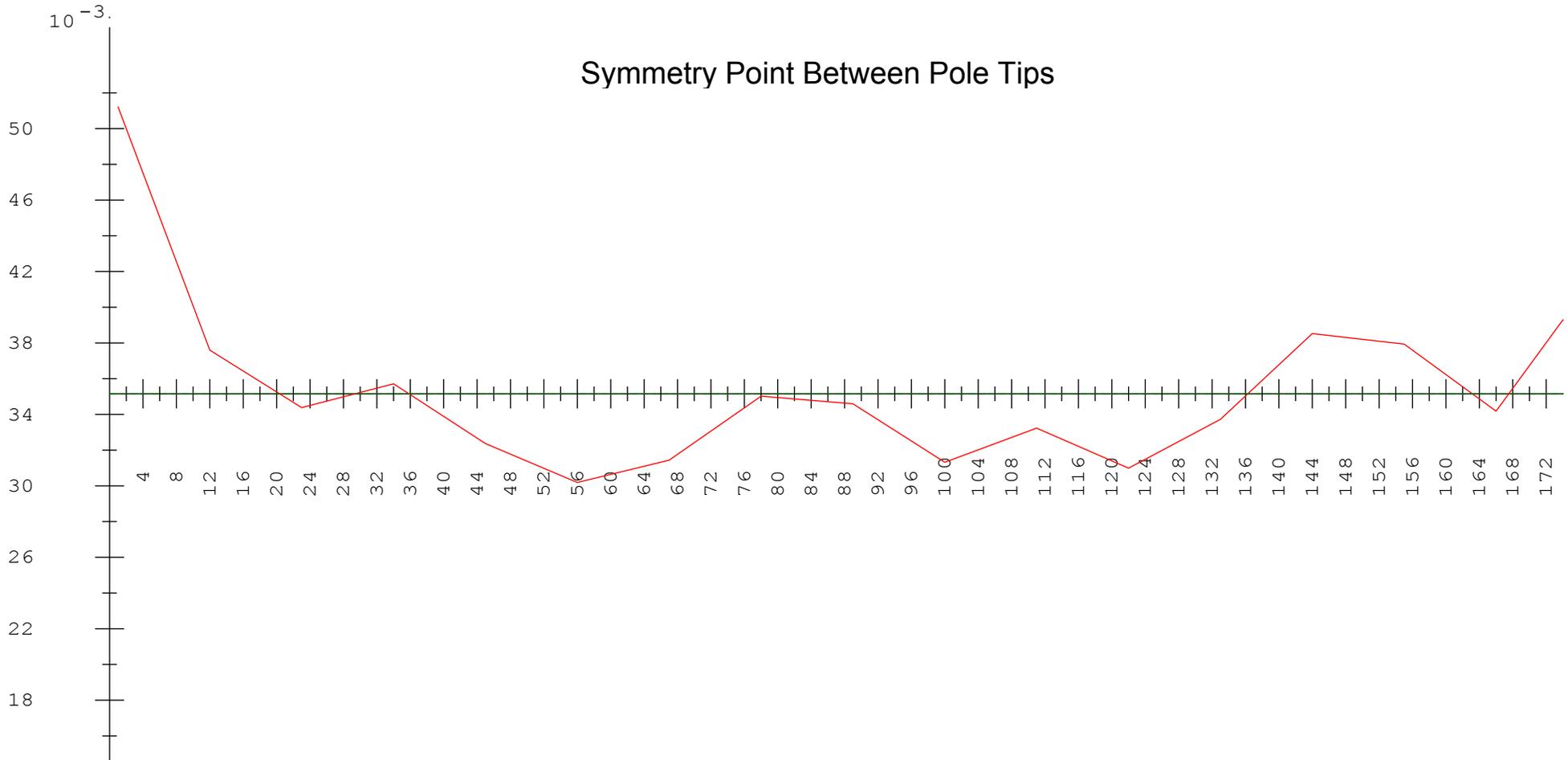07-JUN-2018
S/N =   011
D/S=   0001
Run=   9

Gap Between Opposing Pole Tips

Mean Gap =   13.0161

Step Between Measured Pole Tips =   11   Dimensions in mm

LCLS II - SXR Undulator

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METROLOGY

Nominal Gap = 13   Nominal Taper = 0.000

Gap Reading = 13.0001   US Encoder = 13.0001   DS Encoder = 13.0001

07-JUN-2018
S/N =   011
D/S=   0001
Run=   9

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.0352

Step Between Measured Pole Tips =   11

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 13   Nominal Taper = 0.000

Gap Reading = 13.0001   US Encoder = 13.0001   DS Encoder = 13.0001

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S/N =   011
D/S=   0001
Run=   9

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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	6.5451	6.5444	6.5427	6.5420
Bottom	-6.4712	-6.4719	-6.4735	-6.4741
Gap	13.0163			13.0161
Taper				-0.0002

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
6.5432	-6.4729	13.0161	0.0352

Additional Calculated Values

Bottom Pole #1 Z Value	979.744
Top Jaw Pitch (mrad)	-0.001
Bottom Jaw Pitch(mrad)	-0.001
Minimum Effective Gap	12.995
Reference Block Gap	6.806

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 13   Nominal Taper = 0.000
Gap Reading = 13.0001   US Encoder = 13.0001   DS Encoder = 13.0001

07-JUN-2018
S/N =   011
D/S=   0001
Run=   9