Top Jaw Pole Tips

Y Value

Mean TOP = 6.2048   Regression Line Ang. (mrad) = 0.0022

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 11.974
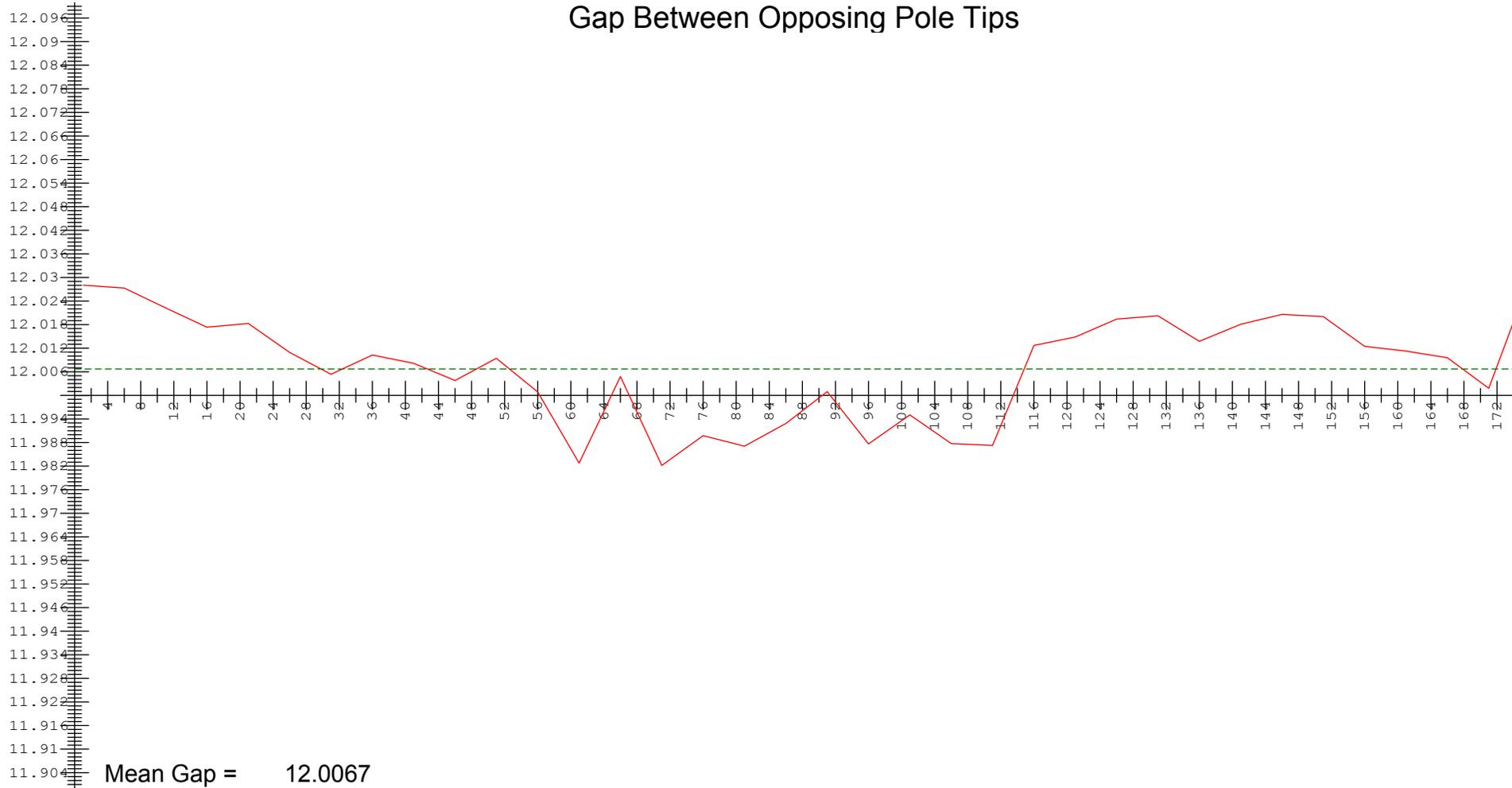

Y Value

Mean BTM = -5.8019   Regression Line Ang. (mrad) = 0.0024

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 5

Regression Line Through Points = -----------

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 12

Gap Reading = 12.0000   US Encoder = 12.0000   DS Encoder = 12.0001

05-FEB-2018
S/N = 005
D/S = 0001
Run = 06

Gap Between Opposing Pole Tips

Mean Gap =   12.0067

Step Between Measured Pole Tips =   5

Dimensions in mm

LCLS II - SXR Undulator
Nominal Gap = 12
Gap Reading = 12.0000   US Encoder = 12.0000   DS Encoder = 12.0001

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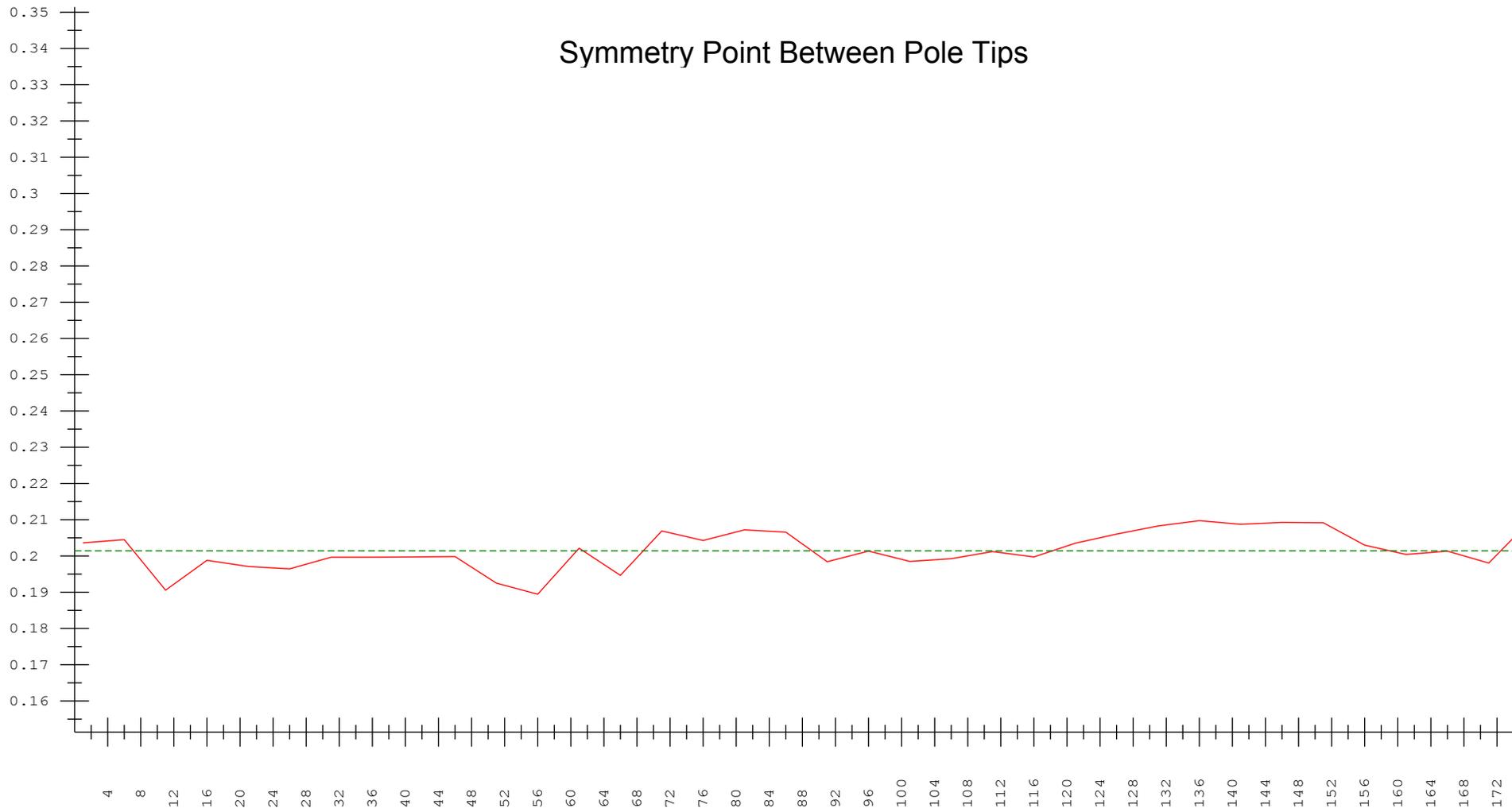METROLOGY

05-FEB-2018
S/N =   005
D/S=   0001
Run=   06

Symmetry Point Between Pole Tips

Mean Symmetry Value =   0.2014

Step Between Measured Pole Tips =   5

Dimensions in mm

LCLS II - SXR Undulator		05-FEB-2018
Nominal Gap = 12		S/N = 005
Gap Reading = 12.0000 US Encoder = 12.0000 DS Encoder = 12.0001		D/S= 0001
		Run= 06

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METROLOGY

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	6.2013	6.2029	6.2070	6.2087
Bottom	-5.8062	-5.8044	-5.7998	-5.7979

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
6.2048	-5.8019	12.0067	0.2014

Additional Calculated Values

Bottom Pole #1 Z Value	979.331
Top Jaw Pitch (mrad)	0.002
Bottom Jaw Pitch(mrad)	0.002
Minimum Effective Gap	11.974
Reference Block Gap	6.808

Dimensions in mm

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LCLS II - SXR Undulator
Nominal Gap = 12
Gap Reading = 12.0000   US Encoder = 12.0000   DS Encoder = 12.0001

05-FEB-2018
S/N = 005
D/S= 0001
Run= 06