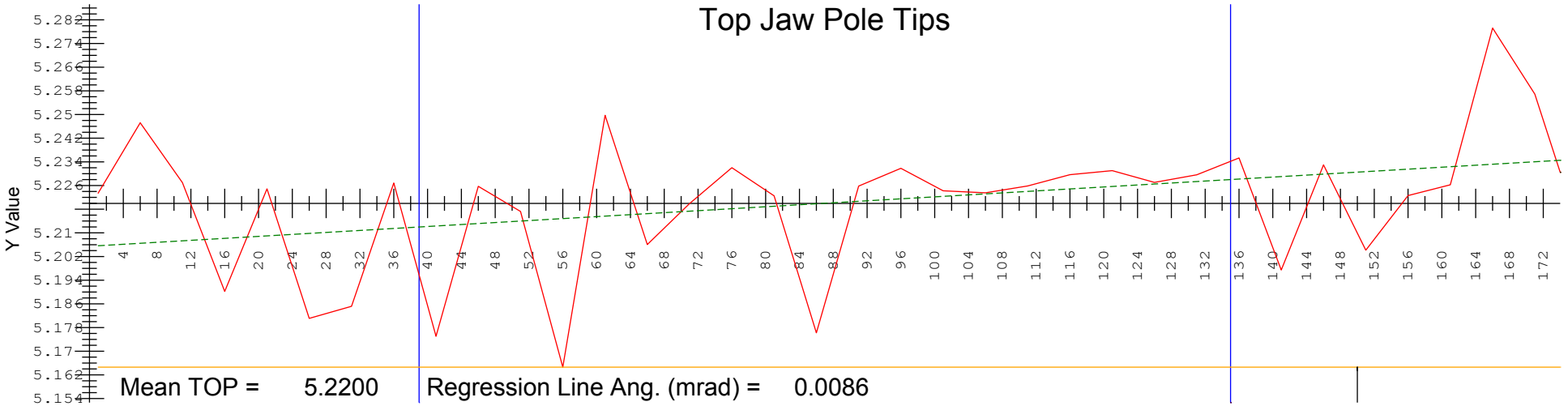
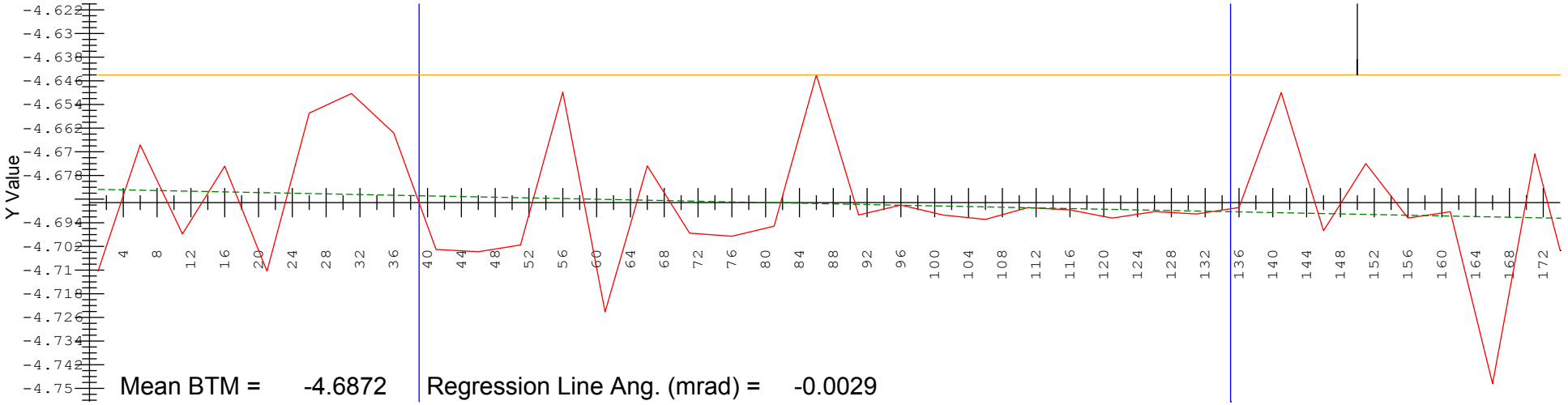


Mean TOP = 5.2200 Regression Line Ang. (mrad) = 0.0086

Pole Tip Num. ----> Minimum Effective Gap = 9.809



Mean BTM = -4.6872 Regression Line Ang. (mrad) = -0.0029

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 5

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

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

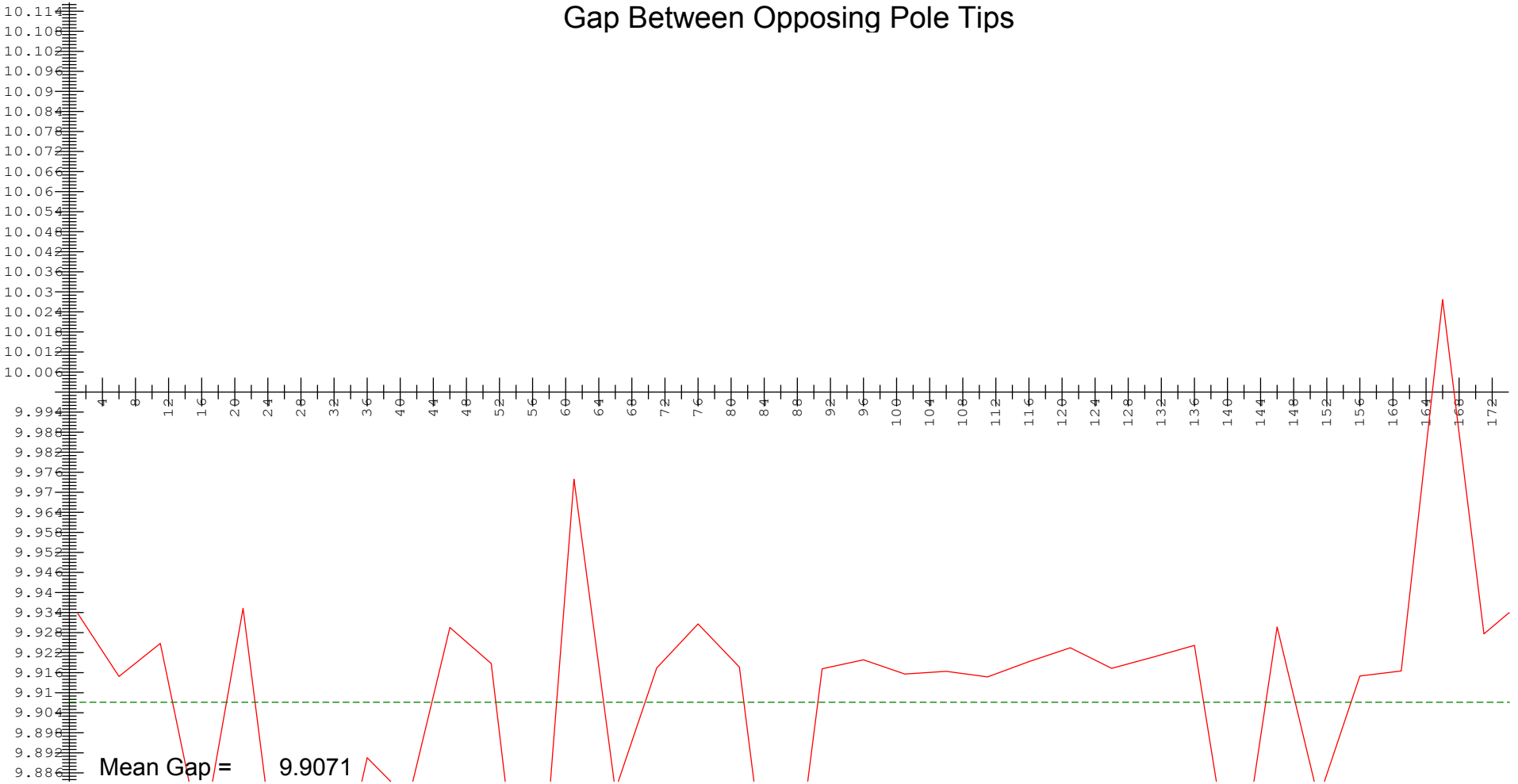
LCLS II - SXR Undulator

Nominal Gap = 10

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

26-FEB-2018
S/N = 001
D/S= 0002
Run= 3

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

Dimensions in mm

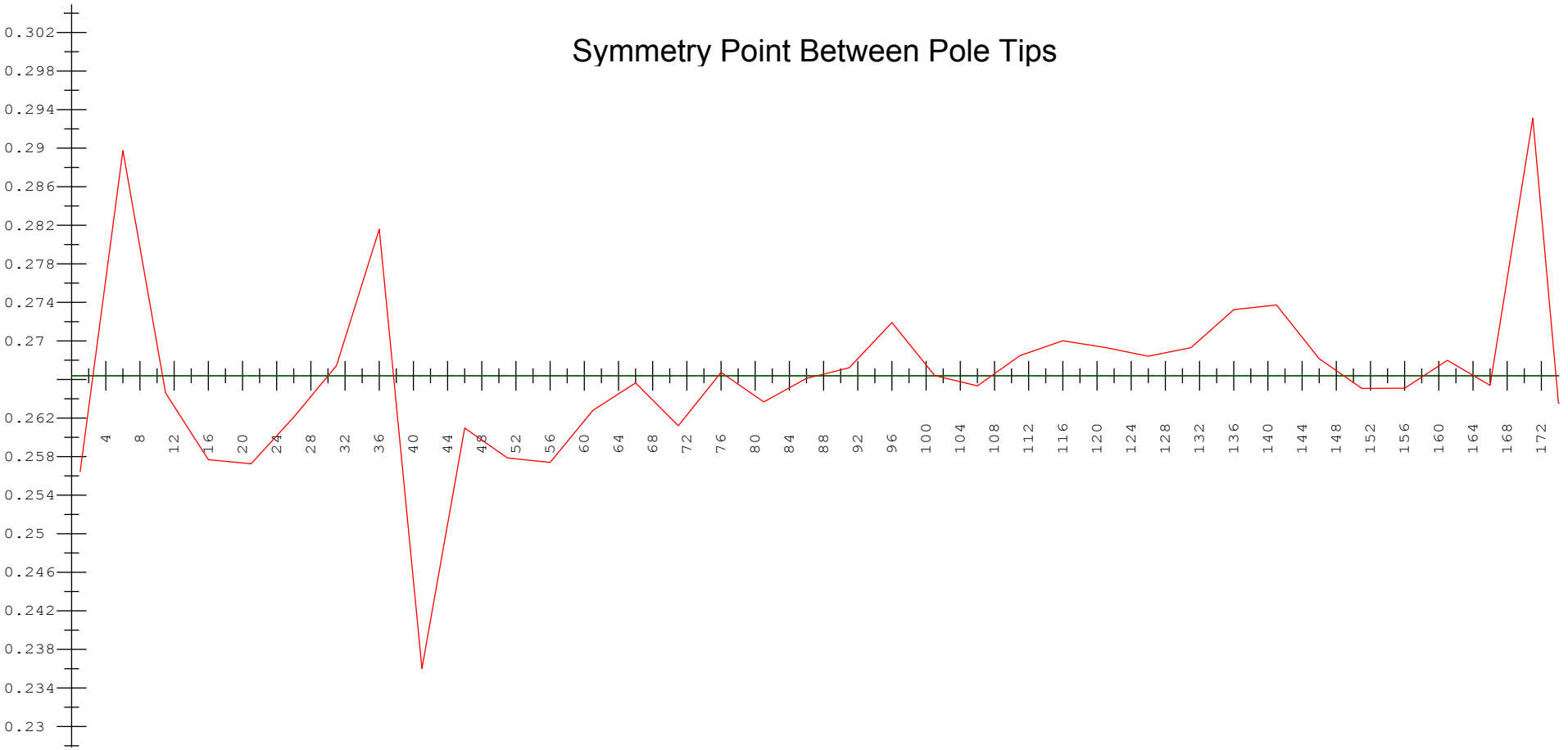
SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10

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

26-FEB-2018
S/N = 001
D/S= 0002
Run= 3



Mean Symmetry Value = 0.2664

Step Between Measured Pole Tips = 5

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10

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

26-FEB-2018
S/N = 001
D/S= 0002
Run= 3

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	5.2056	5.2120	5.2280	5.2345
Bottom	-4.6827	-4.6848	-4.6903	-4.6925
Gap	9.8883			9.9270
Taper				0.0387

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.2200	-4.6872	9.9071	0.2664

Additional Calculated Values

Bottom Pole #1 Z Value	979.273
Top Jaw Pitch (mrad)	0.009
Bottom Jaw Pitch(mrad)	-0.003
Minimum Effective Gap	9.809
Reference Block Gap	6.810

Dimensions in mm

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METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10

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

26-FEB-2018
S/N = 001
D/S= 0002
Run= 3