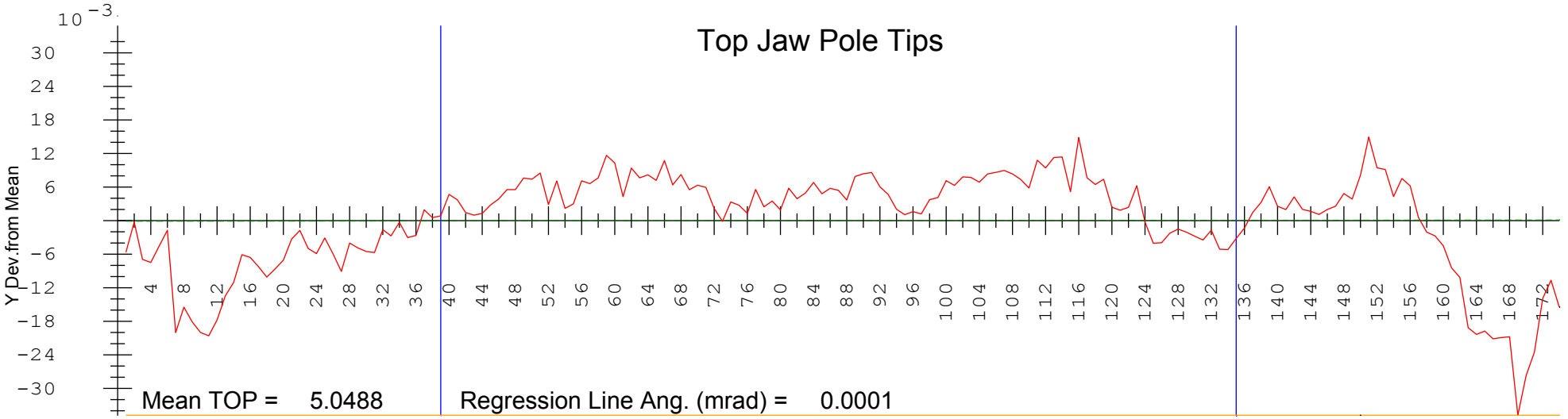
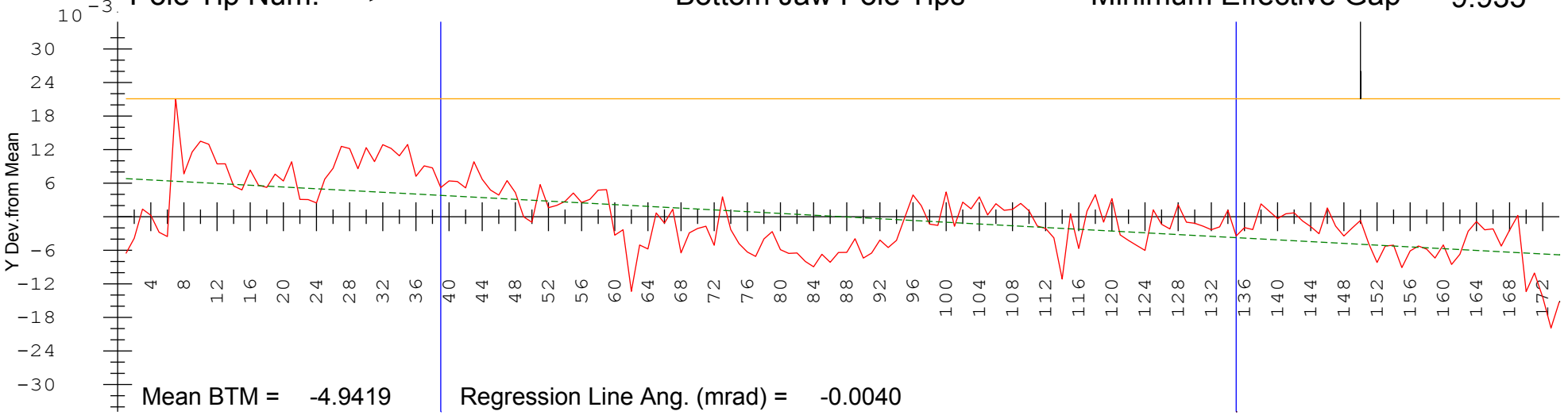


Pole Tip Num. ----> Bottom Jaw Pole Tips Minimum Effective Gap = 9.935



Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

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

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METROLOGY

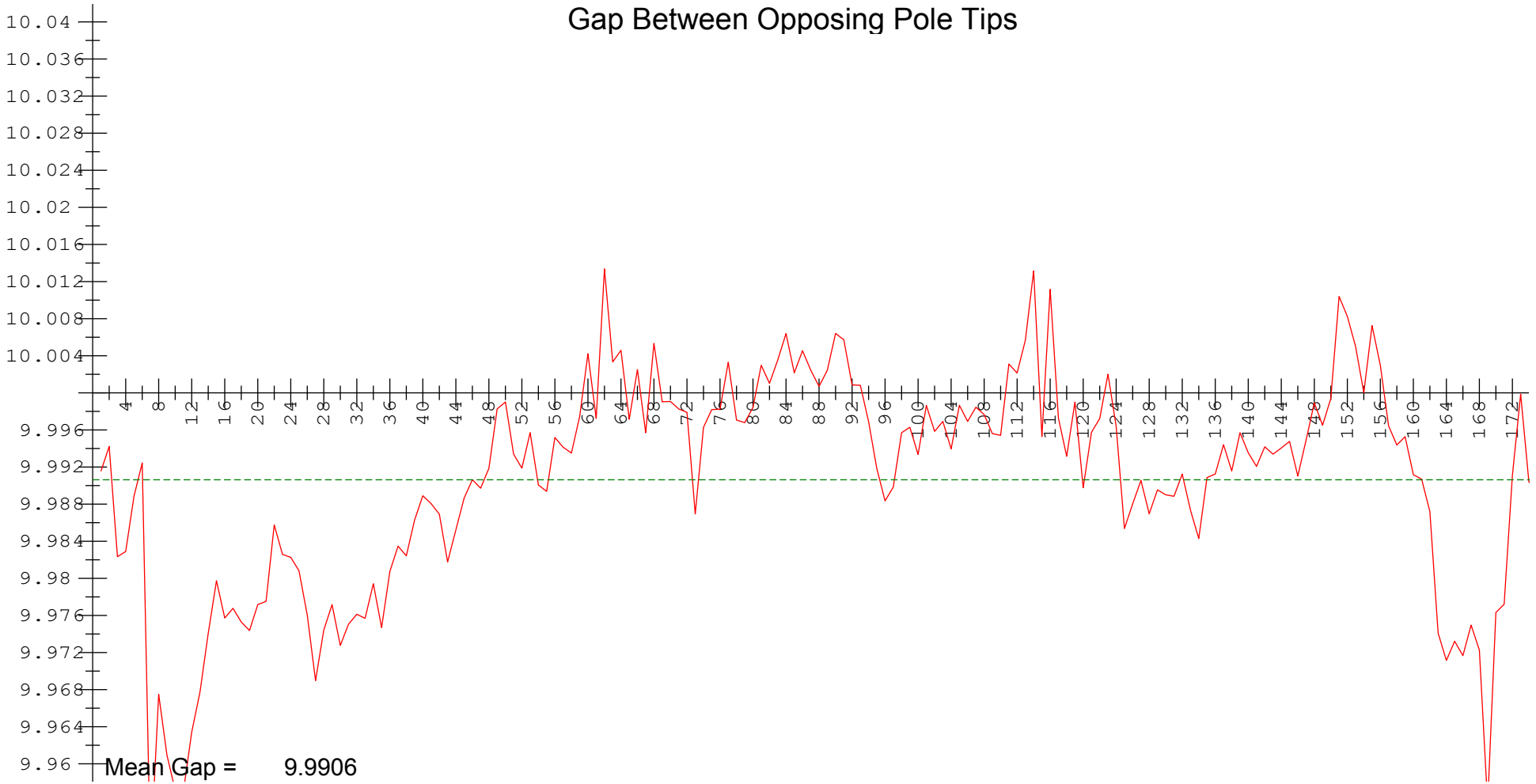
LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000

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

12-FEB-2019
S/N = 020
D/S= 0001
Run= 6

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm

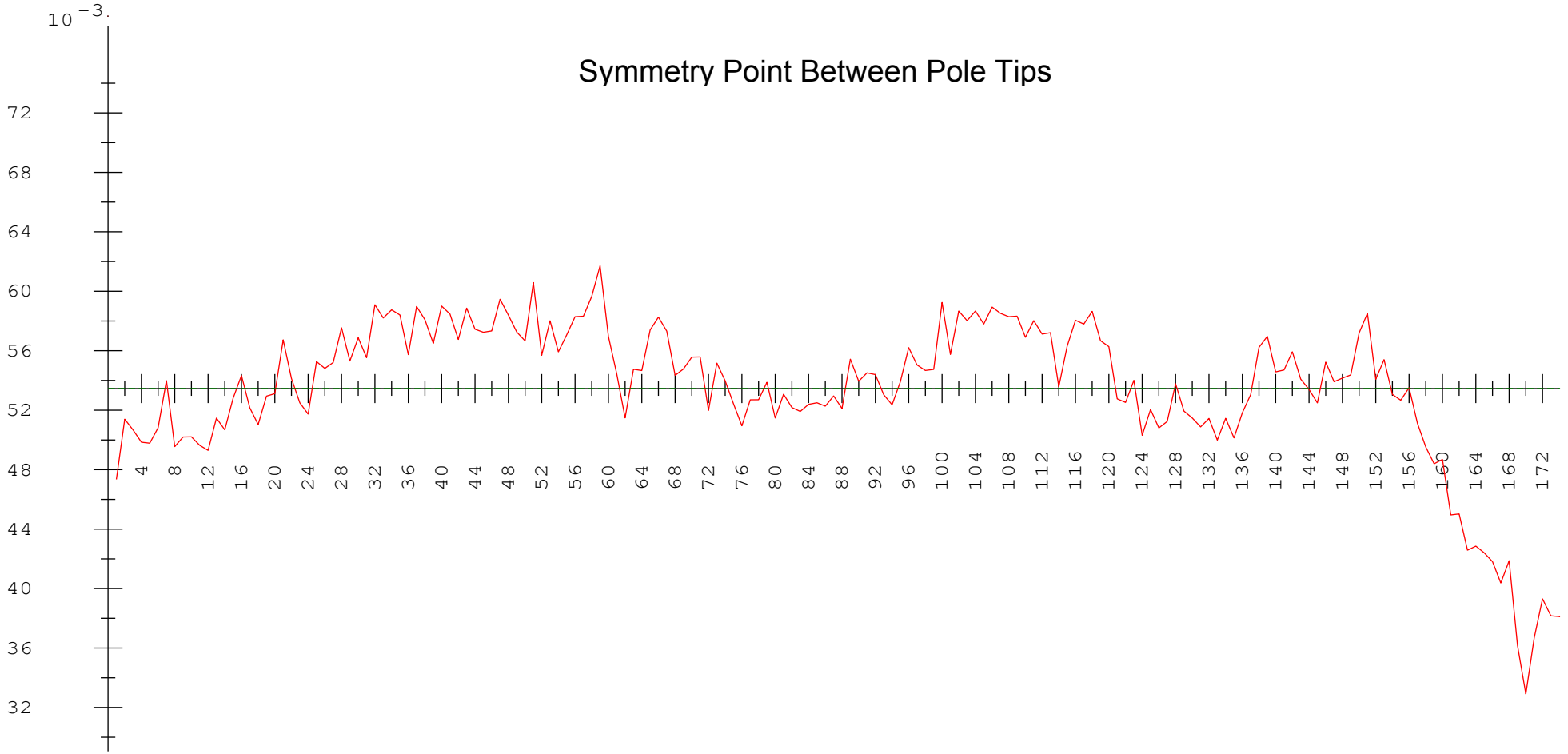
SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000

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

12-FEB-2019
S/N = 020
D/S= 0001
Run= 6



Mean Symmetry Value = 0.0535

Step Between Measured Pole Tips = 1

Dimensions in mm

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METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000

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

12-FEB-2019
S/N = 020
D/S= 0001
Run= 6

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	5.0487	5.0487	5.0488	5.0489
Bottom	-4.9350	-4.9380	-4.9456	-4.9487
Gap	9.9837			9.9975
Taper				0.0138

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0488	-4.9419	9.9906	0.0535

Additional Calculated Values

Bottom Pole #1 Z Value	980.504
Top Jaw Pitch (mrad)	0.000
Bottom Jaw Pitch(mrad)	-0.004
Minimum Effective Gap	9.935
Reference Block Gap	6.811

Dimensions in mm

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METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000

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

12-FEB-2019
S/N = 020
D/S= 0001
Run= 6