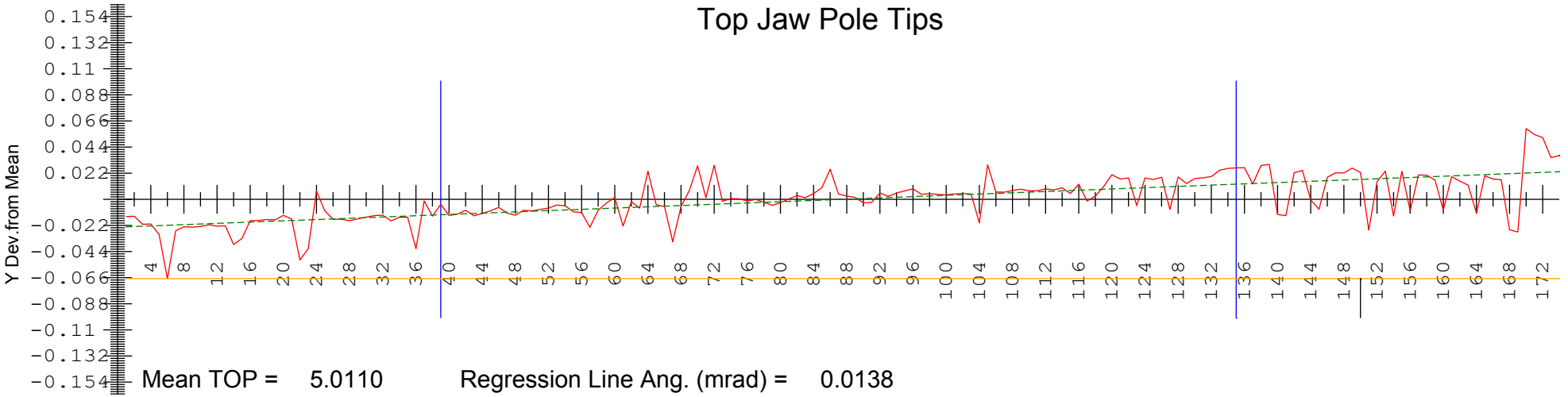
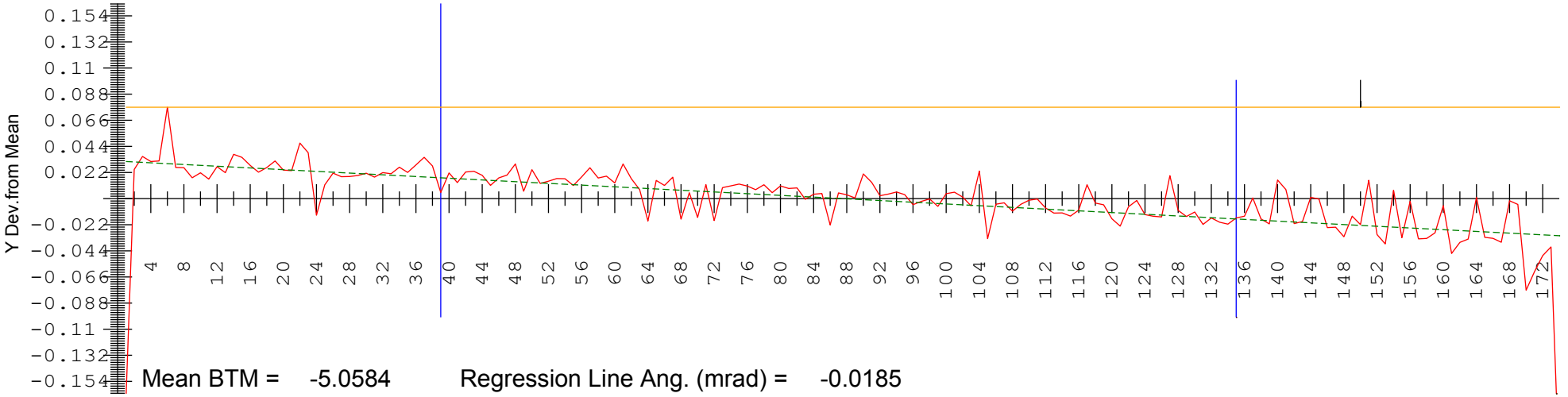


Mean TOP = 5.0110 Regression Line Ang. (mrad) = 0.0138

Pole Tip Num. ----> Bottom Jaw Pole Tips Minimum Effective Gap = 9.926



Mean BTM = -5.0584 Regression Line Ang. (mrad) = -0.0185

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 1

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

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY

METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.100

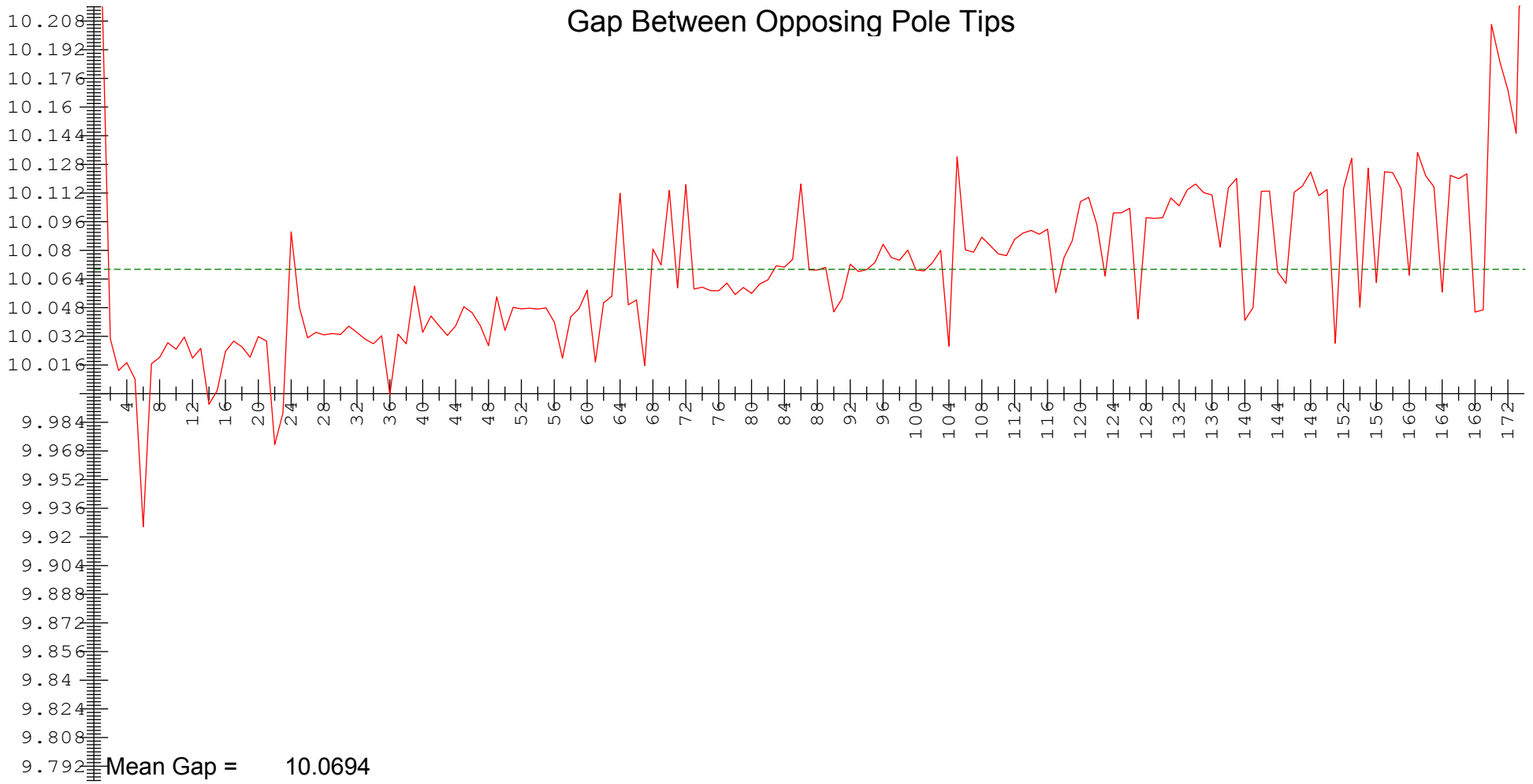
Gap Reading = 10.0500 US Encoder = 10.0000 DS Encoder = 10.1000

29-APR-2019

S/N = 003

D/S= 0002

Run= 15



Step Between Measured Pole Tips = 1

Dimensions in mm

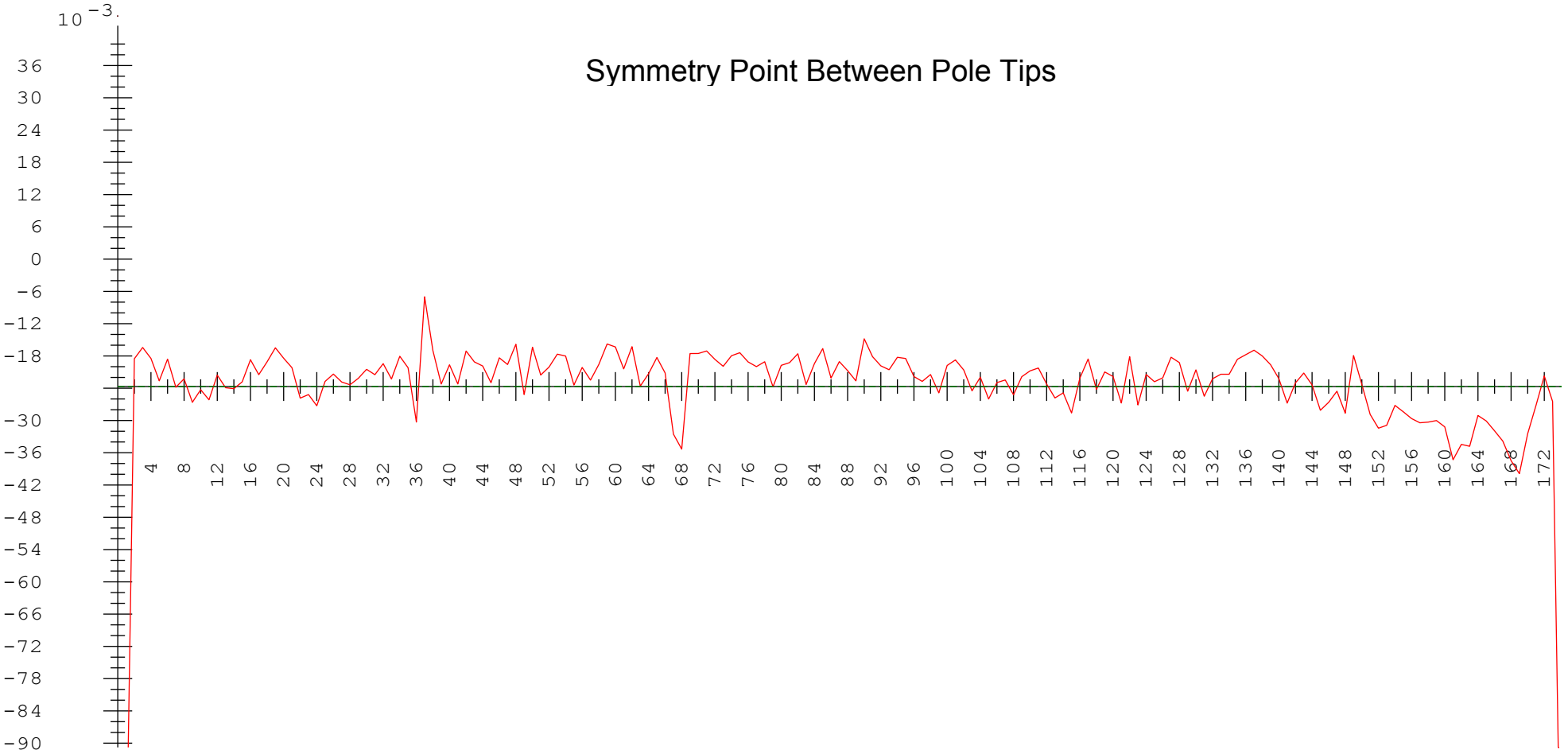
SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.100

Gap Reading = 10.0500 US Encoder = 10.0000 DS Encoder = 10.1000

29-APR-2019
S/N = 003
D/S= 0002
Run= 15



Mean Symmetry Value = -0.0237

Step Between Measured Pole Tips = 1

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.100

Gap Reading = 10.0500 US Encoder = 10.0000 DS Encoder = 10.1000

29-APR-2019
S/N = 003
D/S= 0002
Run= 15

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	4.9878	4.9980	5.0238	5.0343
Bottom	-5.0272	-5.0409	-5.0756	-5.0897
Gap	10.0149			10.1239
Taper				0.1090

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0110	-5.0584	10.0694	-0.0237

Additional Calculated Values

Bottom Pole #1 Z Value	980.492
Top Jaw Pitch (mrad)	0.014
Bottom Jaw Pitch(mrad)	-0.019
Minimum Effective Gap	9.926
Reference Block Gap	6.806

Dimensions in mm

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METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.100

Gap Reading = 10.0500 US Encoder = 10.0000 DS Encoder = 10.1000

29-APR-2019
S/N = 003
D/S= 0002
Run= 15