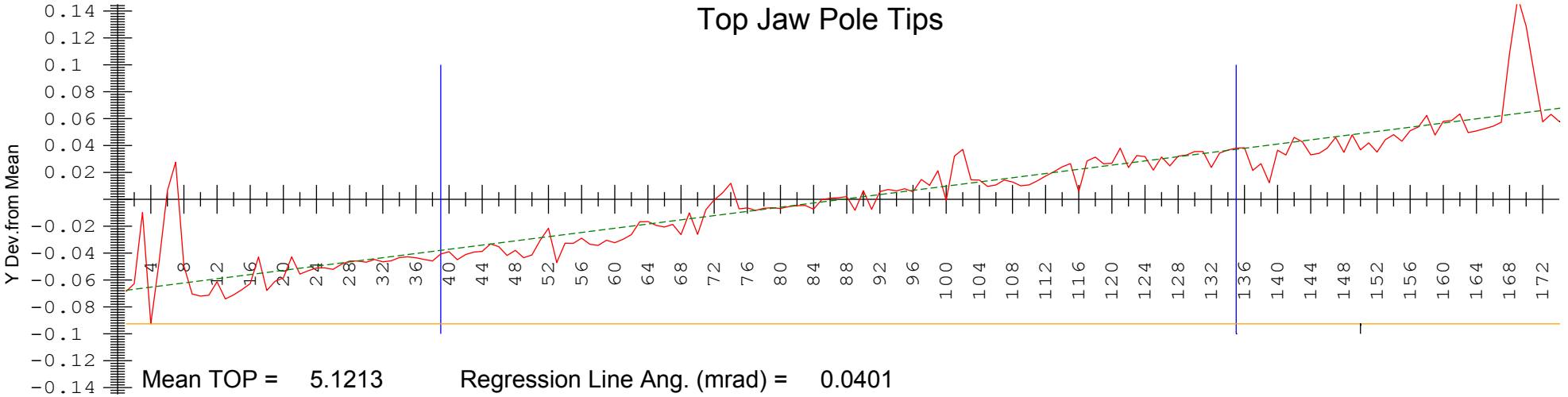
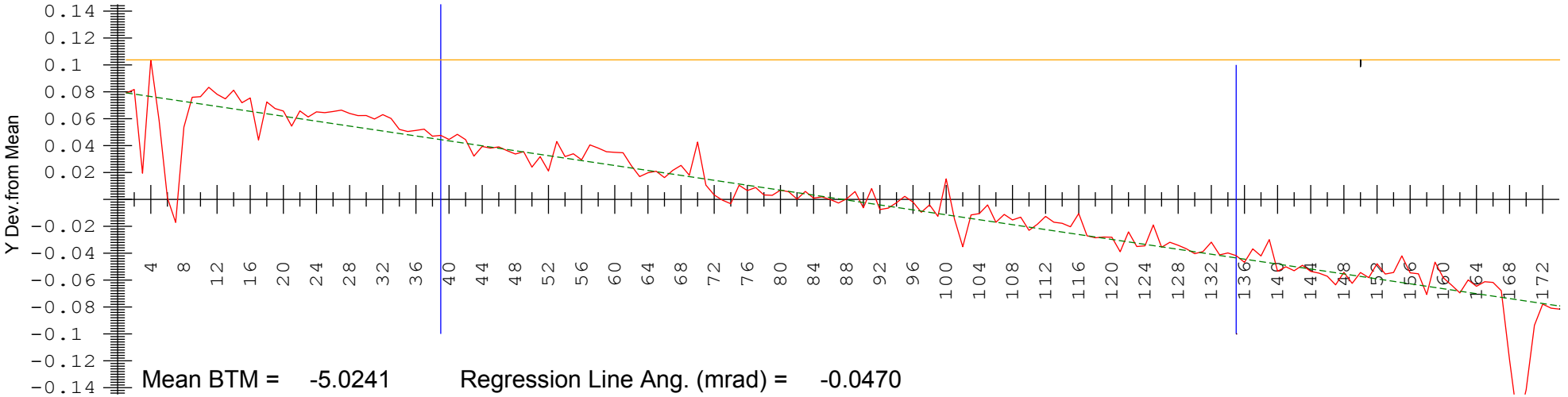


Mean TOP = 5.1213 Regression Line Ang. (mrad) = 0.0401

Pole Tip Num. ----> Bottom Jaw Pole Tips Minimum Effective Gap = 9.949



Mean BTM = -5.0241 Regression Line Ang. (mrad) = -0.0470

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 1

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

Dimensions in mm

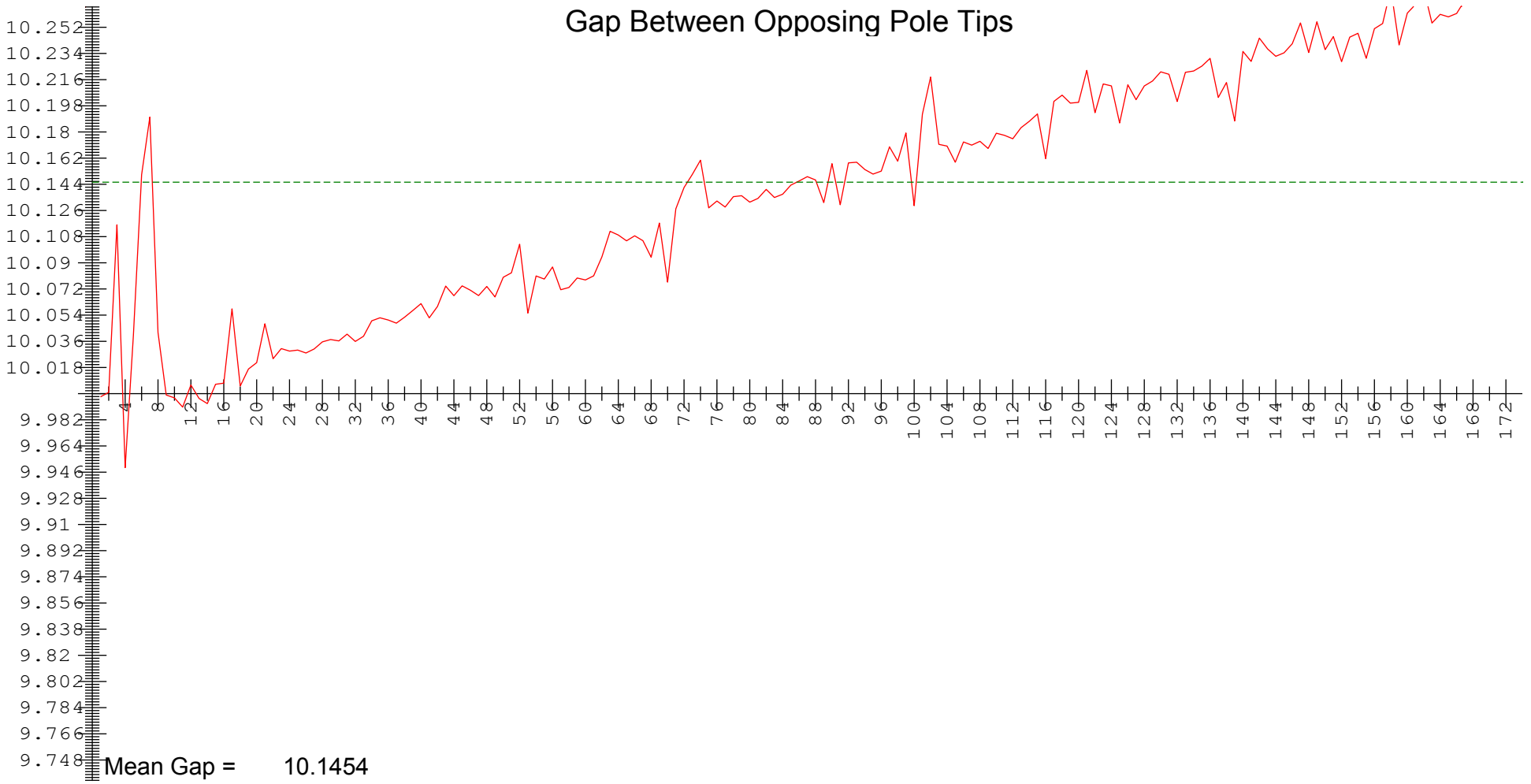
SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.300

Gap Reading = 10.1500 US Encoder = 10.0001 DS Encoder = 10.3000

07-NOV-2018
S/N = 016
D/S= 0001
Run= 17



Mean Gap = 10.1454

Step Between Measured Pole Tips = 1

Dimensions in mm

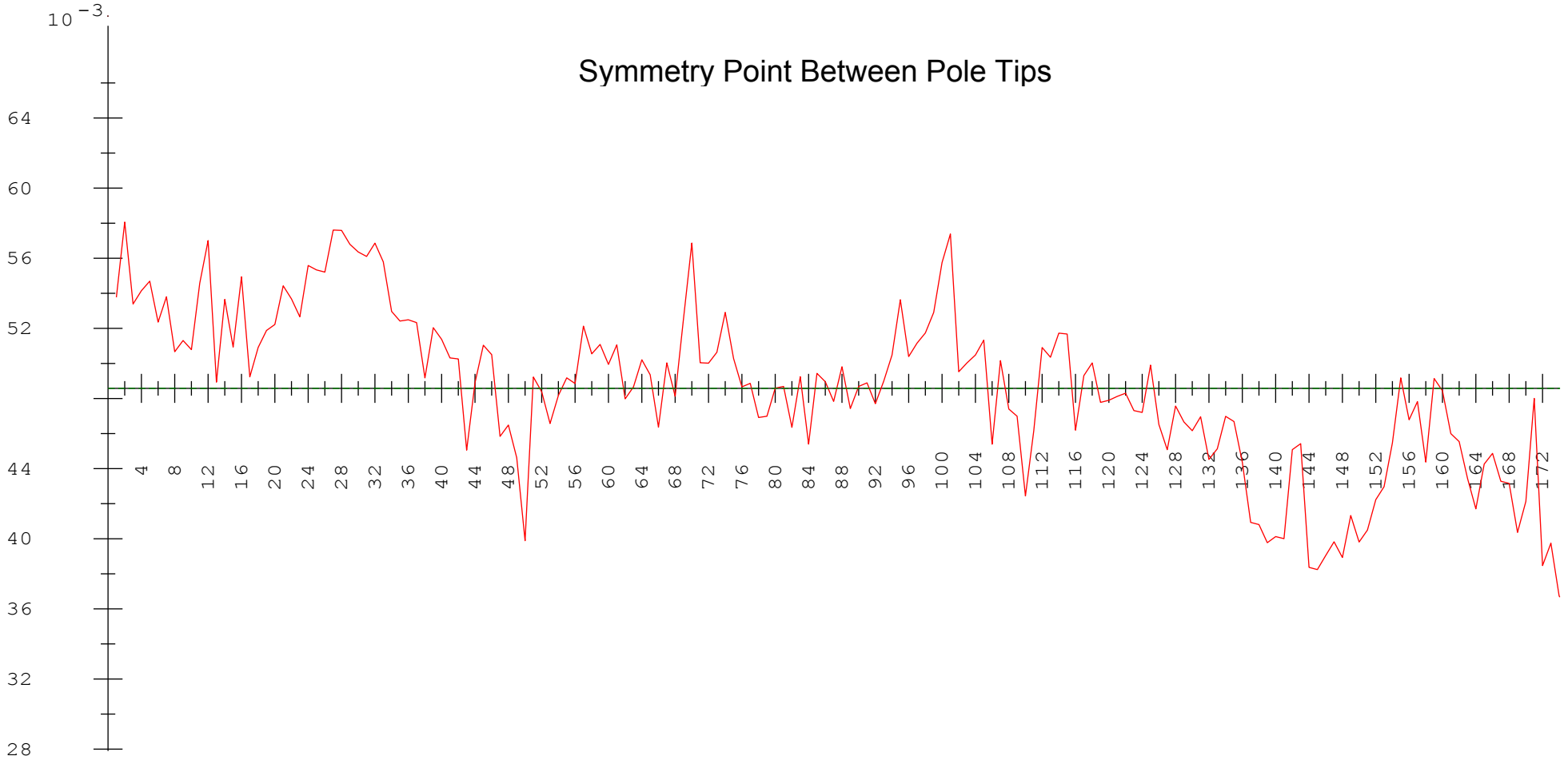
SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.300

Gap Reading = 10.1500 US Encoder = 10.0001 DS Encoder = 10.3000

07-NOV-2018
S/N = 016
D/S= 0001
Run= 17



Mean Symmetry Value = 0.0486

Step Between Measured Pole Tips = 1

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.300

Gap Reading = 10.1500 US Encoder = 10.0001 DS Encoder = 10.3000

07-NOV-2018
S/N = 016
D/S= 0001
Run= 17

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	5.0536	5.0833	5.1585	5.1890
Bottom	-4.9449	-4.9797	-5.0677	-5.1034
Gap	9.9985			10.2924
Taper				0.2939

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.1213	-5.0241	10.1454	0.0486

Additional Calculated Values

Bottom Pole #1 Z Value	979.728
Top Jaw Pitch (mrad)	0.040
Bottom Jaw Pitch(mrad)	-0.047
Minimum Effective Gap	9.949
Reference Block Gap	6.804

Dimensions in mm

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METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.300

Gap Reading = 10.1500 US Encoder = 10.0001 DS Encoder = 10.3000

07-NOV-2018
S/N = 016
D/S= 0001
Run= 17