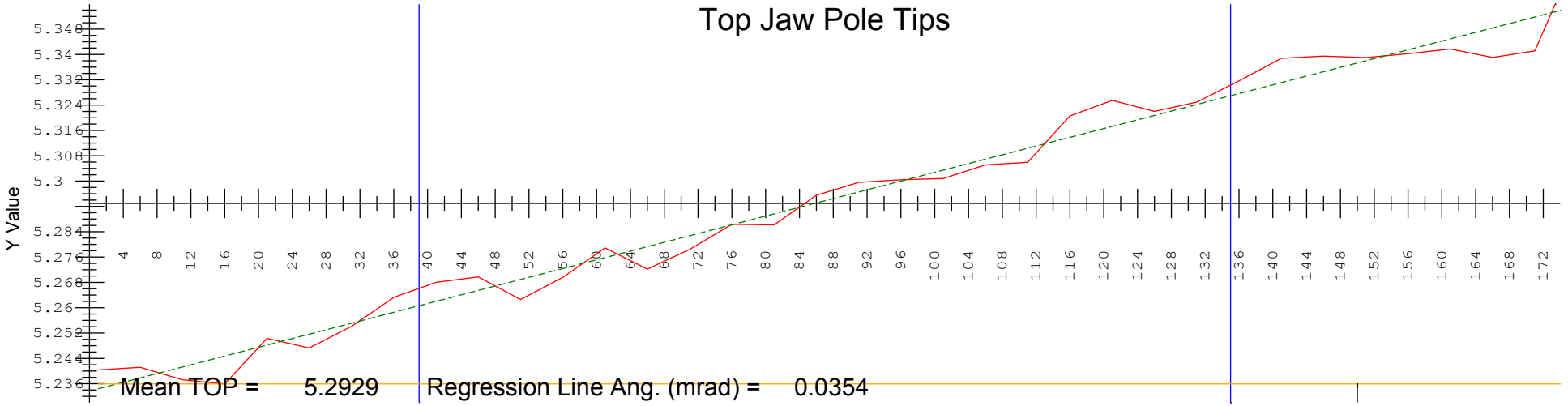
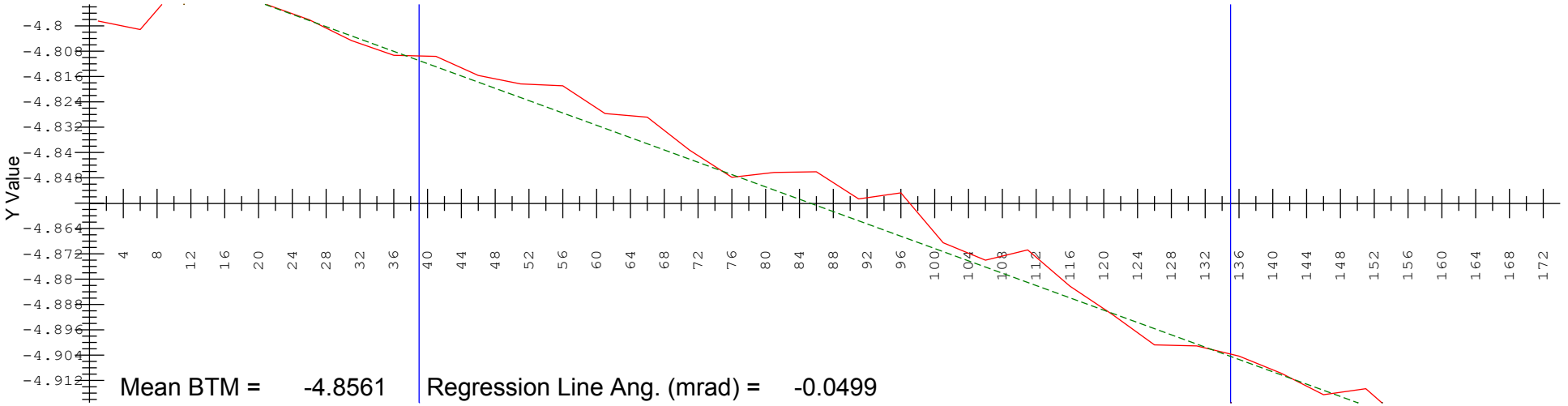


Pole Tip Num. ---->

Minimum Effective Gap = 10.020



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

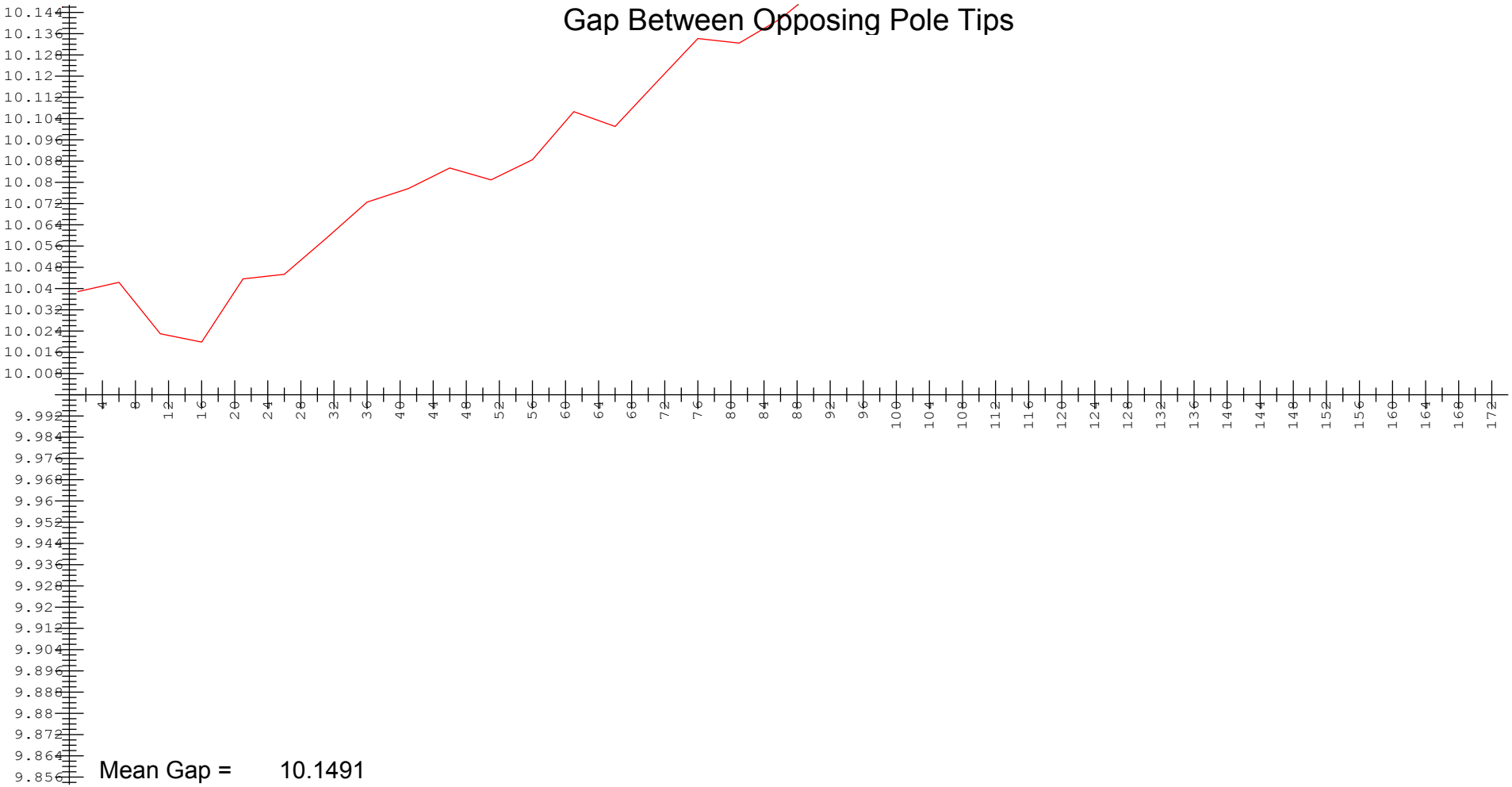
Gap Reading = 10.0000 US Encoder = 10.0000 DS Encoder = 10.0000

09-MAR-2018

S/N = 007

D/S= 0001

Run= 19



Mean Gap = 10.1491

Step Between Measured Pole Tips = 5

Dimensions in mm

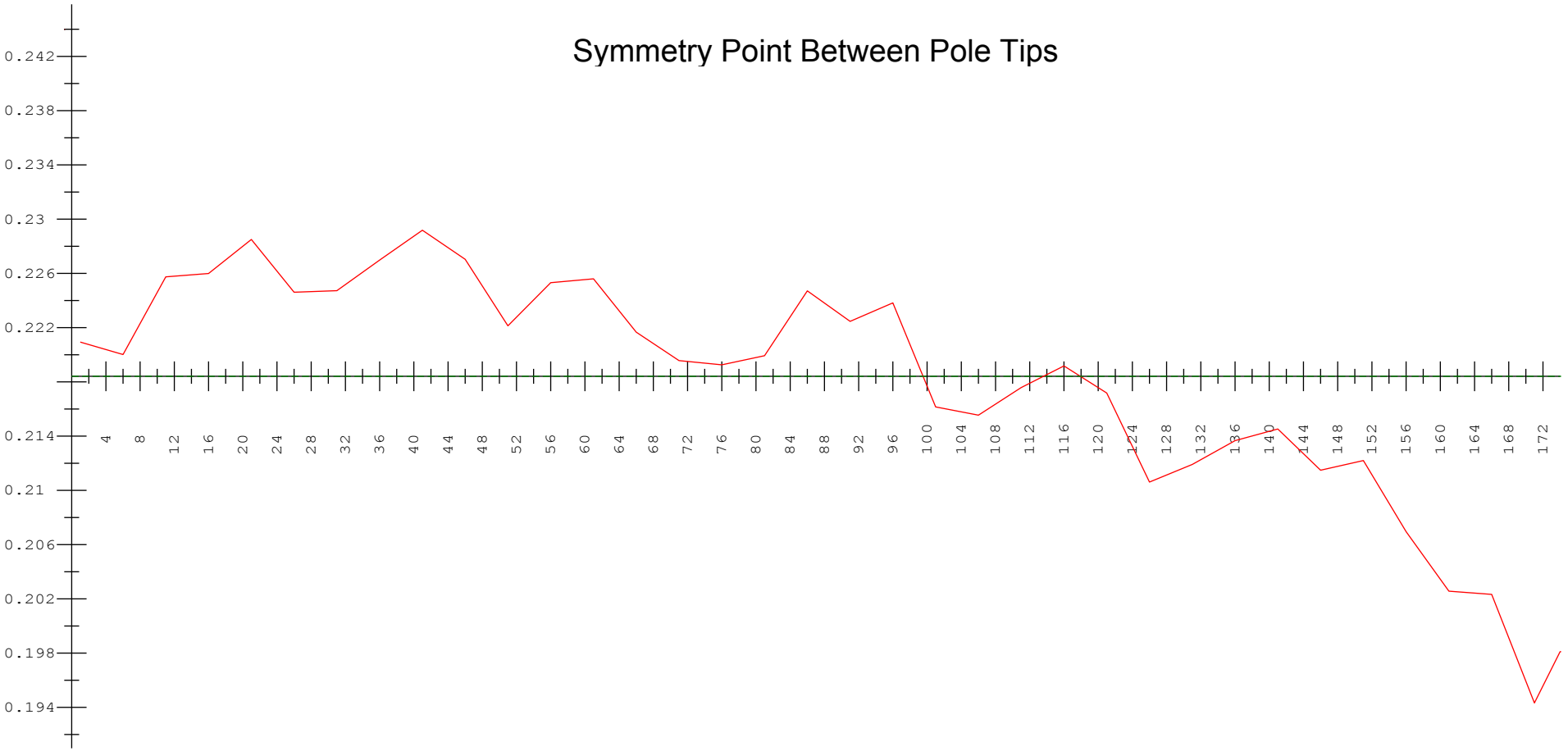
SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10

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

09-MAR-2018
S/N = 007
D/S= 0001
Run= 19



Mean Symmetry Value = 0.2184

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

09-MAR-2018
S/N = 007
D/S= 0001
Run= 19

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	5.2344	5.2606	5.3270	5.3539
Bottom	-4.7740	-4.8110	-4.9044	-4.9424
Gap	10.0084			10.2963
Taper				0.2879

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.2929	-4.8561	10.1491	0.2184

Additional Calculated Values

Bottom Pole #1 Z Value	979.176
Top Jaw Pitch (mrad)	0.035
Bottom Jaw Pitch(mrad)	-0.050
Minimum Effective Gap	10.020
Reference Block Gap	6.804

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

09-MAR-2018
S/N = 007
D/S= 0001
Run= 19