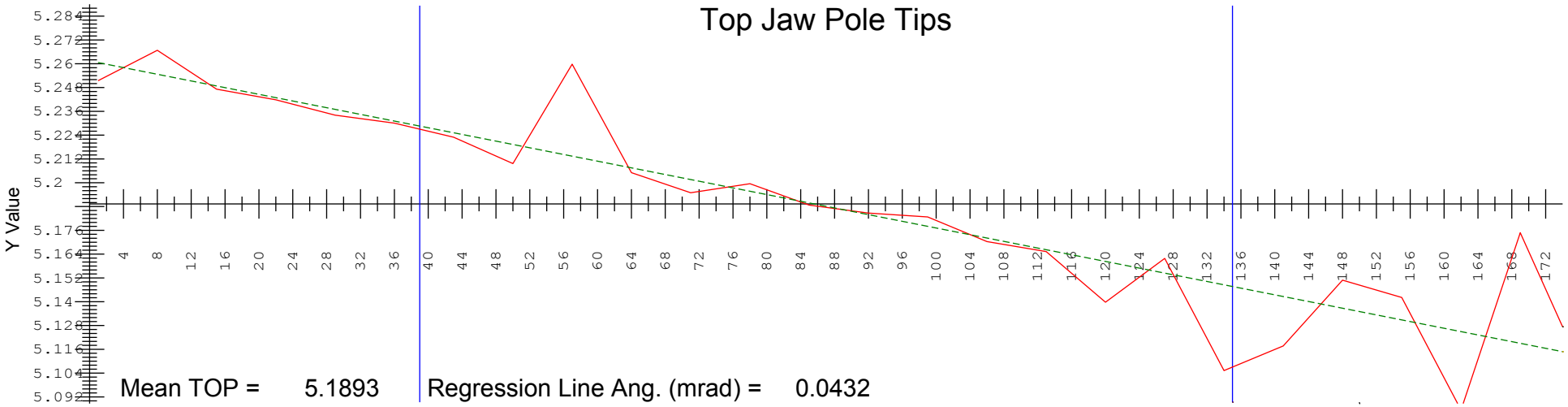
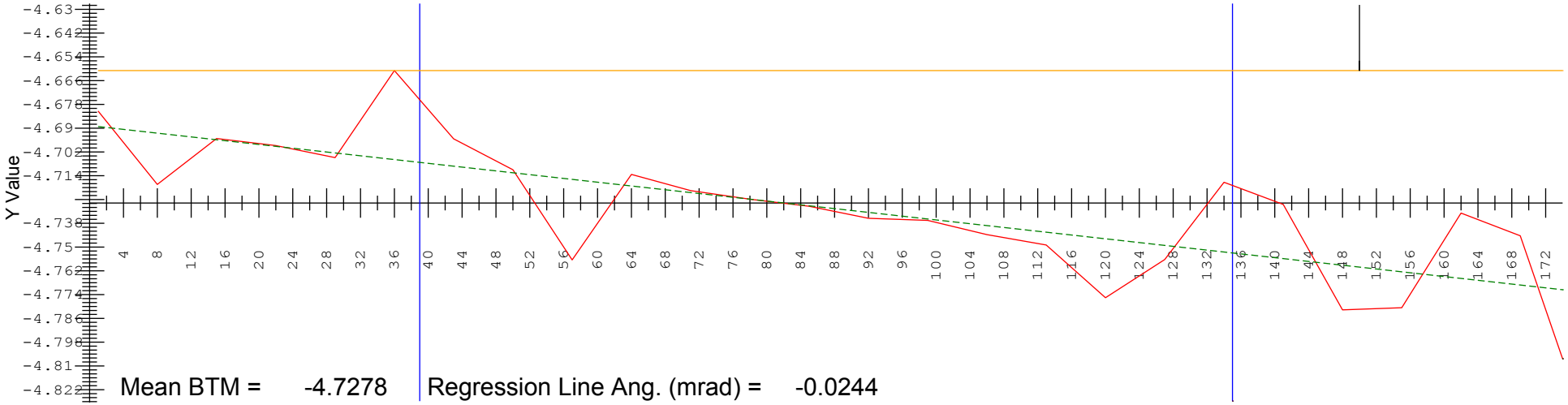


Pole Tip Num. ---->



Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 7

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

Dimensions in mm

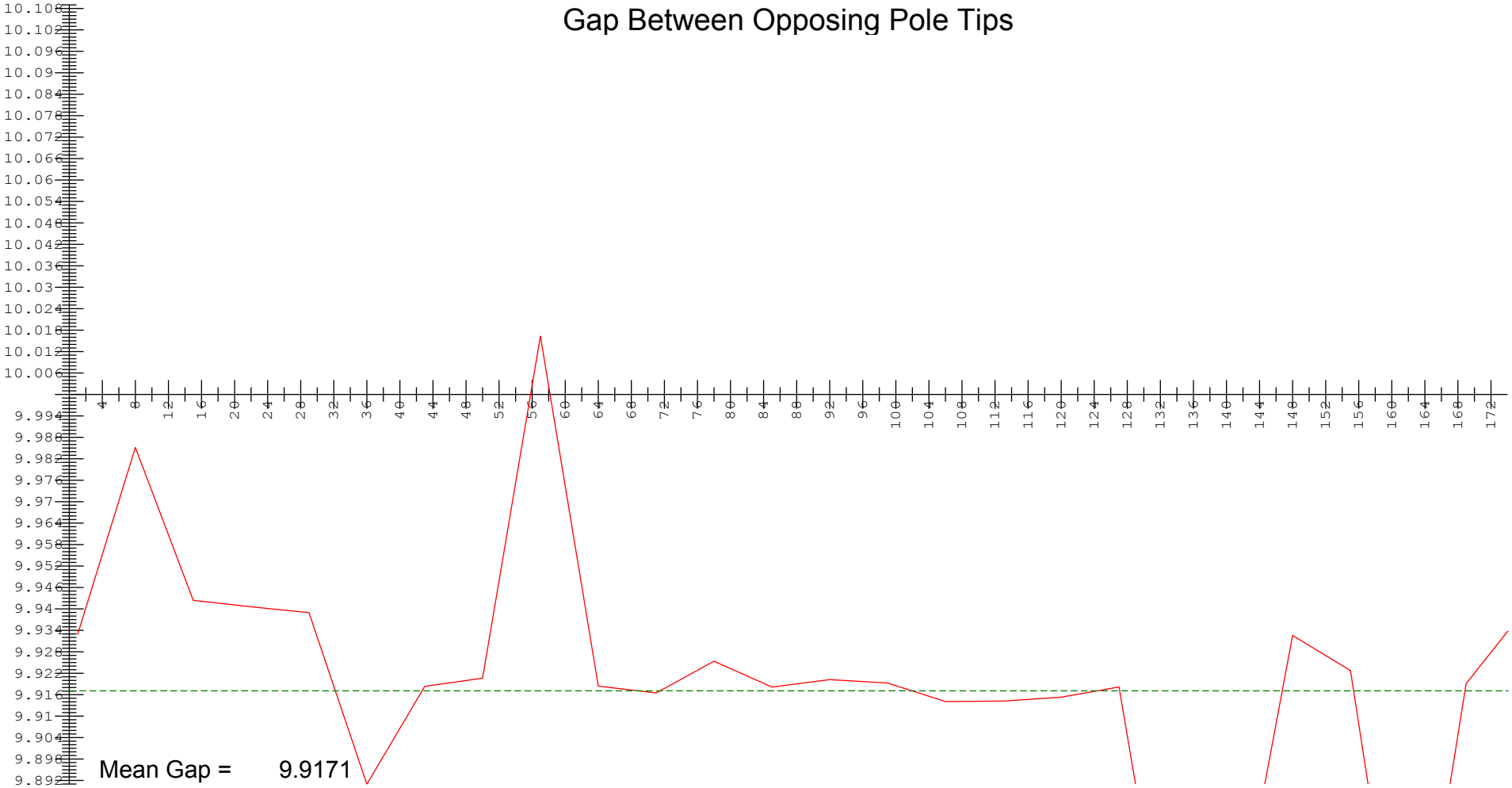
SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

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= 2



Step Between Measured Pole Tips = 7

Dimensions in mm

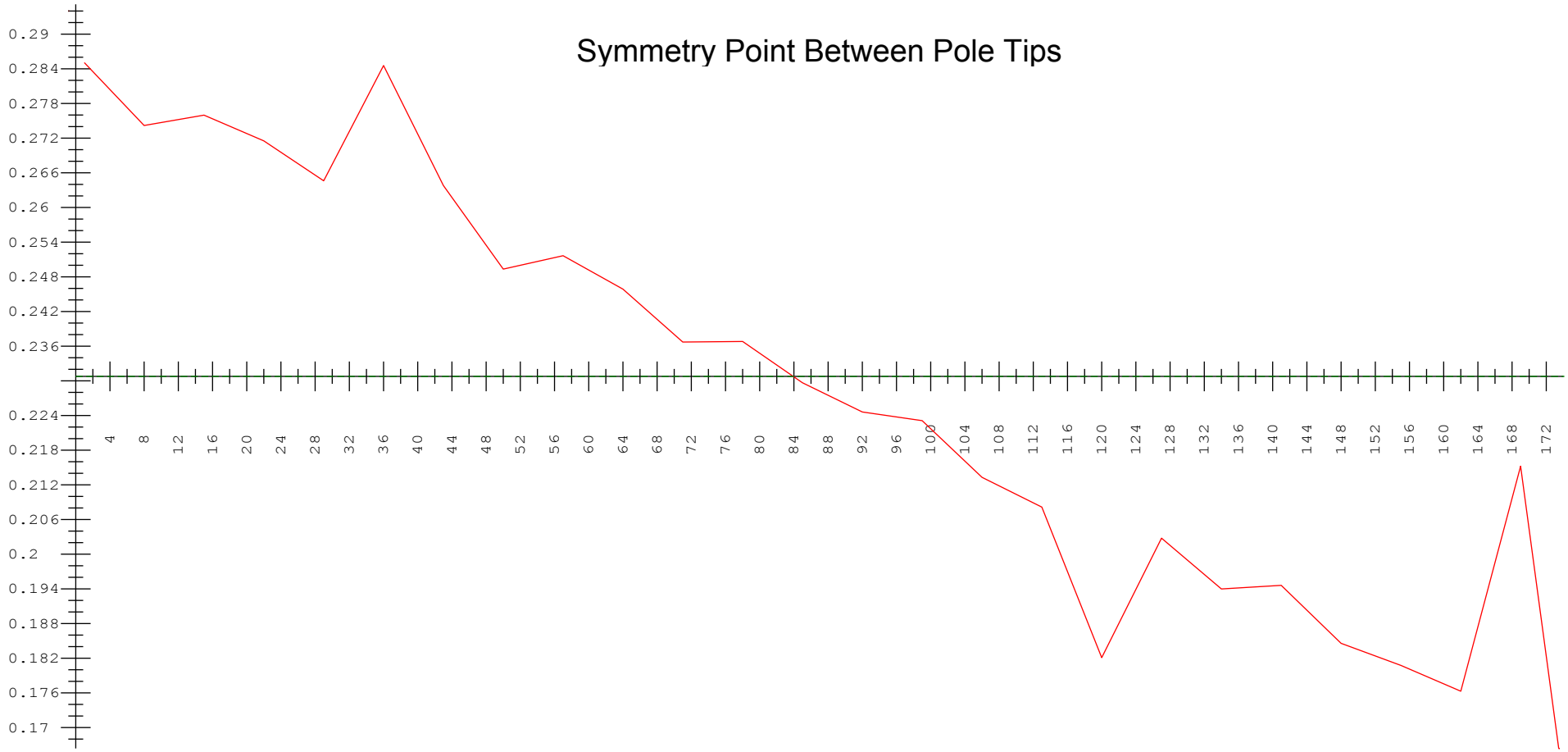
SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

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= 2



Mean Symmetry Value = 0.2308

Step Between Measured Pole Tips = 7

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= 2

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	5.2606	5.2286	5.1477	5.1148
Bottom	-4.6892	-4.7073	-4.7530	-4.7715
Gap	9.9498			9.8864
Taper				-0.0634

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.1893	-4.7278	9.9171	0.2308

Additional Calculated Values

Bottom Pole #1 Z Value	979.273
Top Jaw Pitch (mrad)	0.043
Bottom Jaw Pitch(mrad)	-0.024
Minimum Effective Gap	9.746
Reference Block Gap	6.810

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= 2