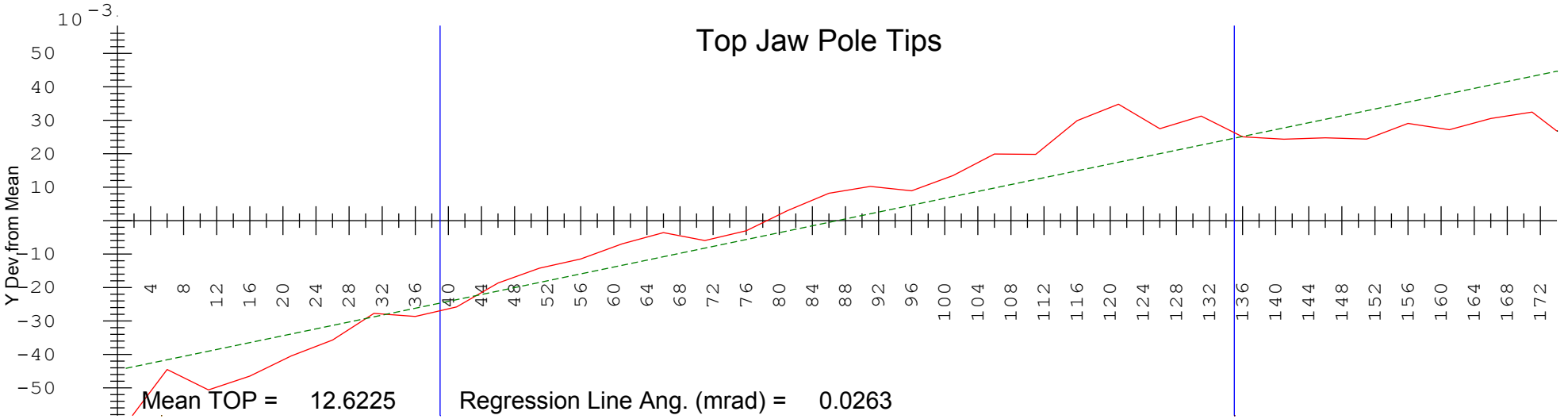
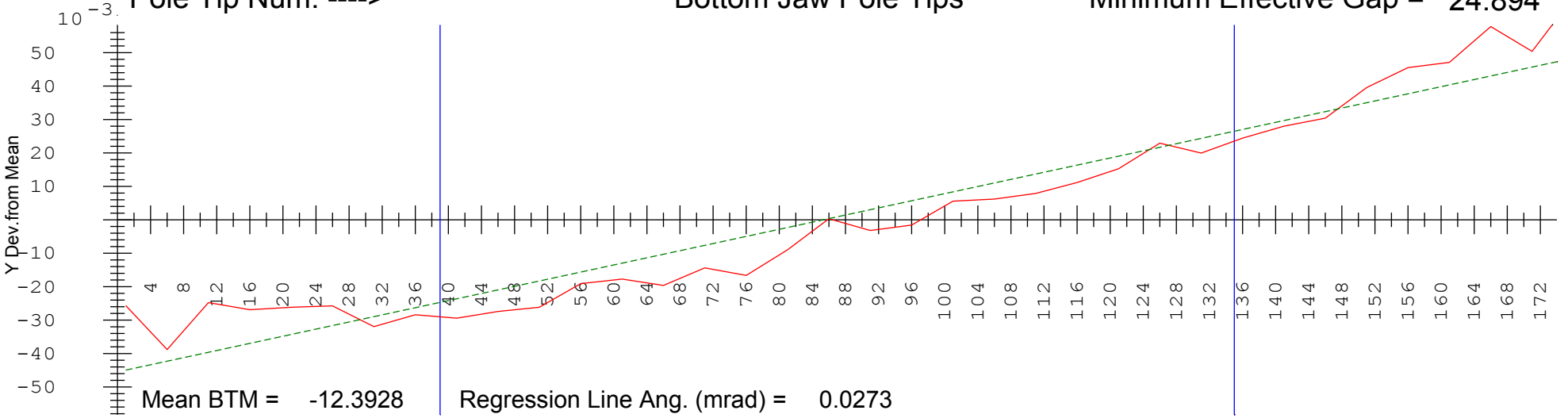


Pole Tip Num. ----> Minimum Effective Gap = 24.894



Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 5

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

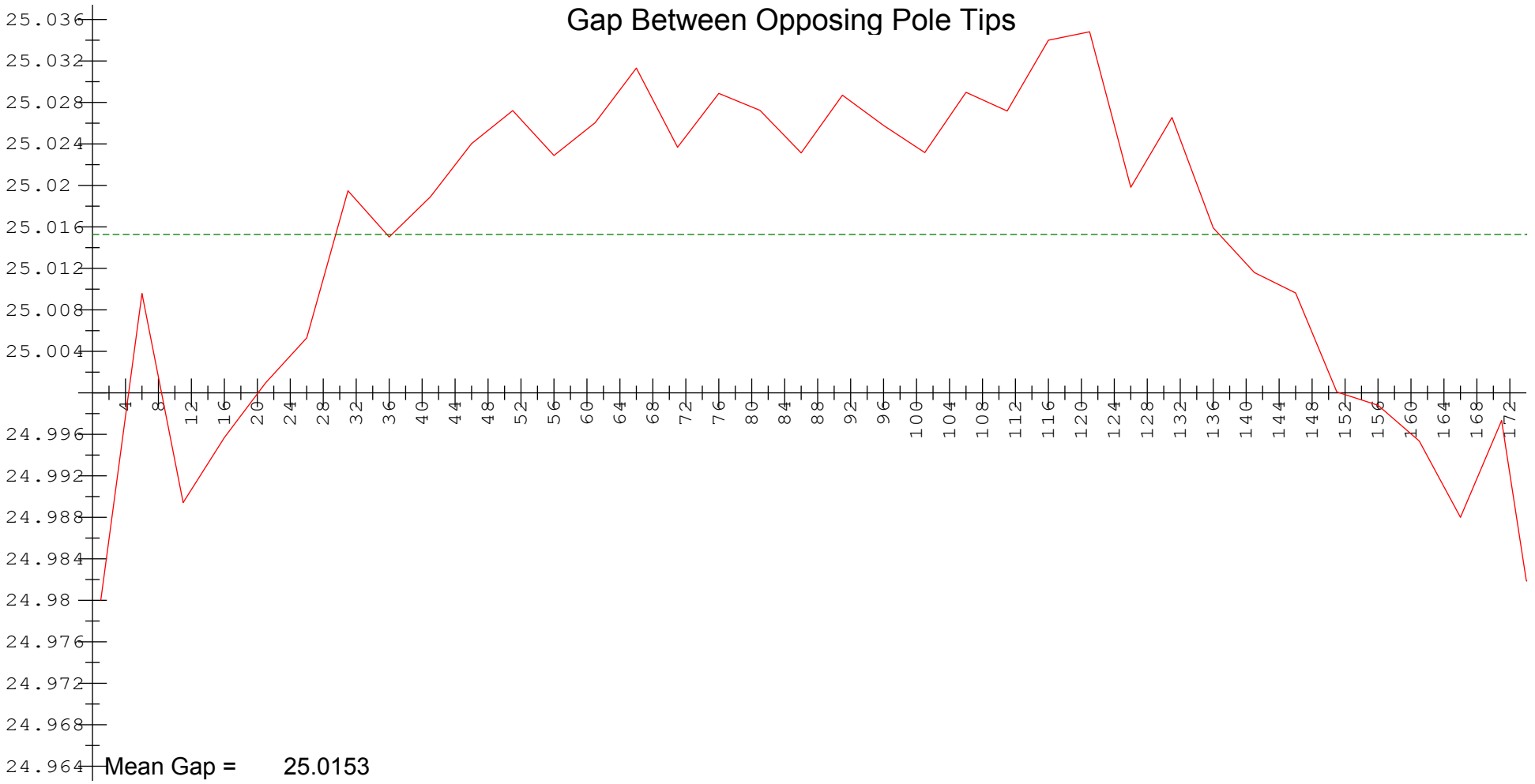
SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 25 Nominal Taper = 0.000

Gap Reading = 25.0000 US Encoder = 25.0000 DS Encoder = 25.0000

01-OCT-2018
S/N = 015
D/S= 0001
Run= 12



Step Between Measured Pole Tips = 5

Dimensions in mm

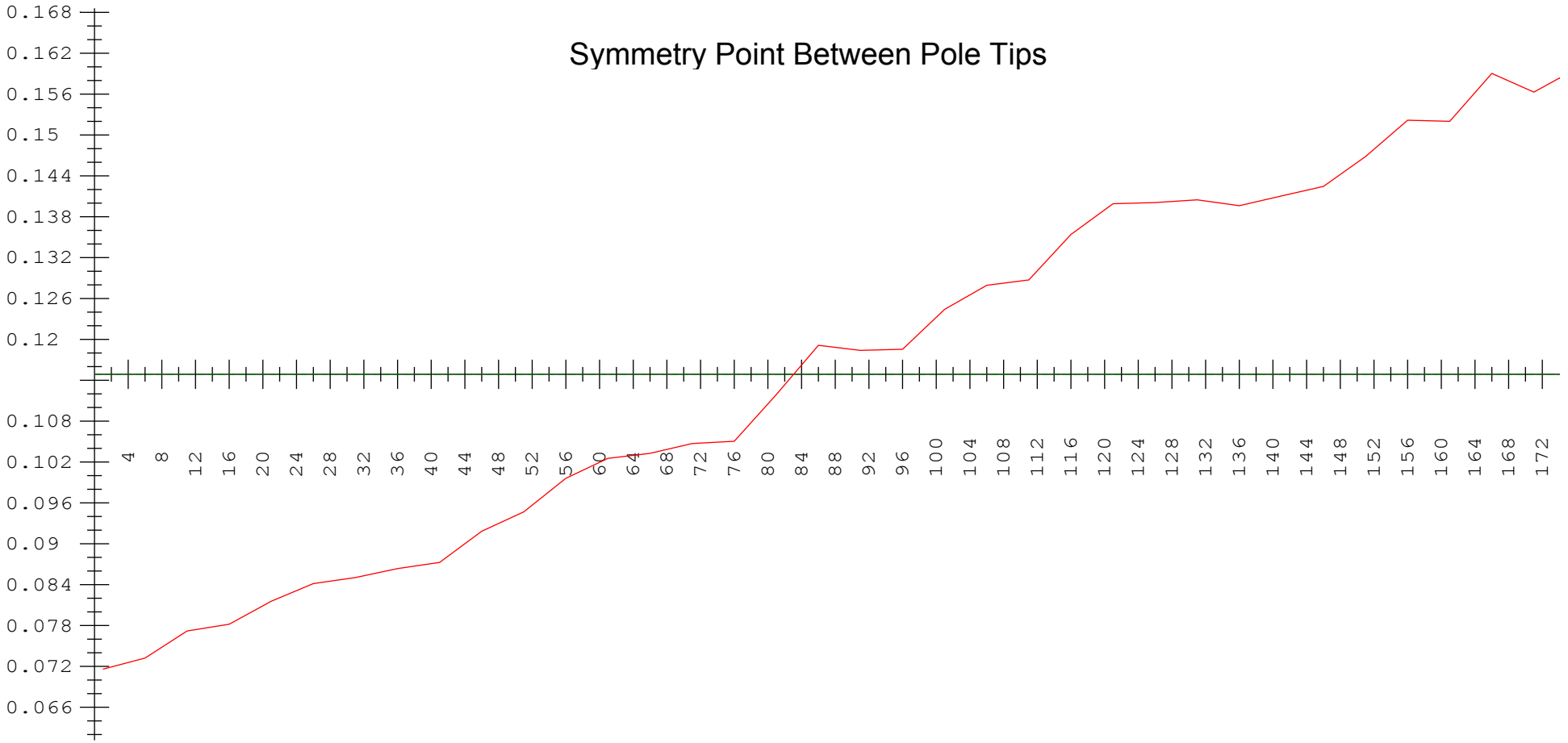
SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 25 Nominal Taper = 0.000

Gap Reading = 25.0000 US Encoder = 25.0000 DS Encoder = 25.0000

01-OCT-2018
S/N = 015
D/S= 0001
Run= 12



Mean Symmetry Value = 0.1149

Step Between Measured Pole Tips = 5

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 25 Nominal Taper = 0.000

Gap Reading = 25.0000 US Encoder = 25.0000 DS Encoder = 25.0000

01-OCT-2018
S/N = 015
D/S= 0001
Run= 12

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	12.5783	12.5979	12.6472	12.6672
Bottom	-12.4377	-12.4175	-12.3663	-12.3455
Gap	25.0161			25.0127
Taper				-0.0034

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
12.6225	-12.3928	25.0153	0.1149

Additional Calculated Values

Bottom Pole #1 Z Value	980.409
Top Jaw Pitch (mrad)	0.026
Bottom Jaw Pitch(mrad)	0.027
Minimum Effective Gap	24.894
Reference Block Gap	6.807

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 25 Nominal Taper = 0.000

Gap Reading = 25.0000 US Encoder = 25.0000 DS Encoder = 25.0000

01-OCT-2018
S/N = 015
D/S= 0001
Run= 12