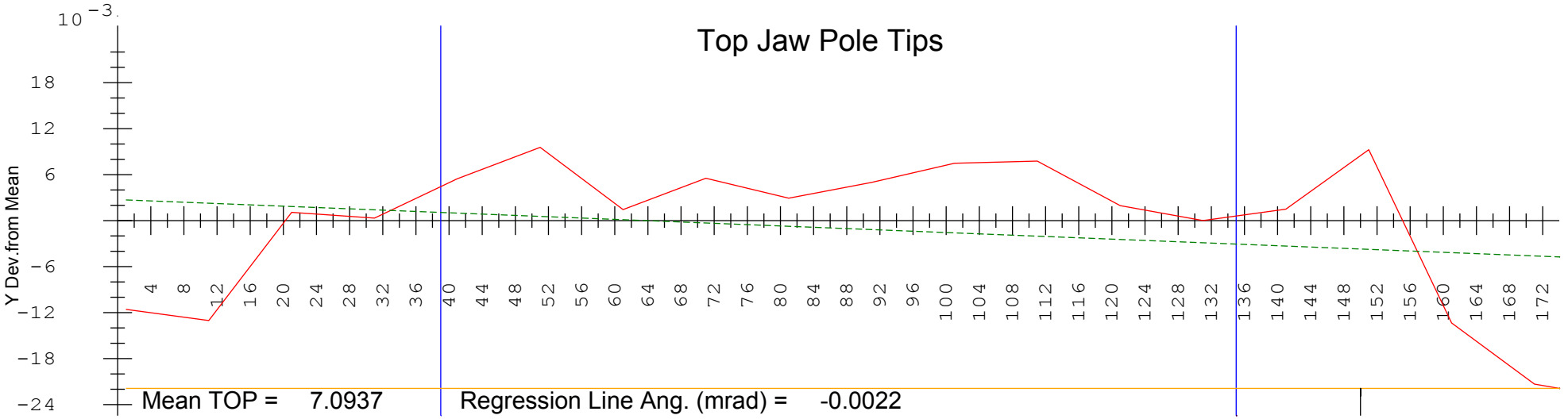
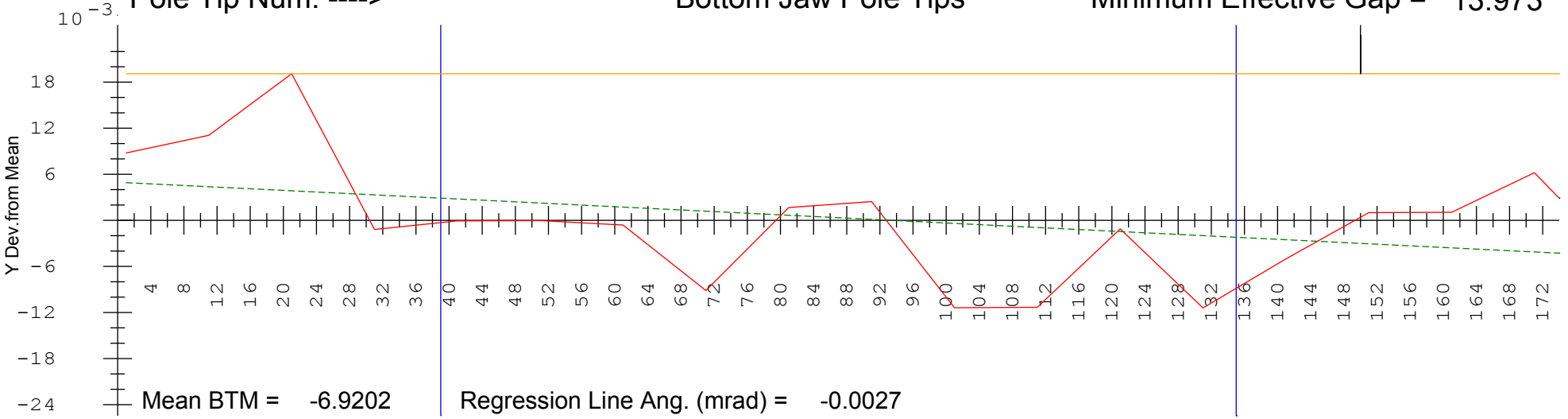


Pole Tip Num. ----> Minimum Effective Gap = 13.973



Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 10

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

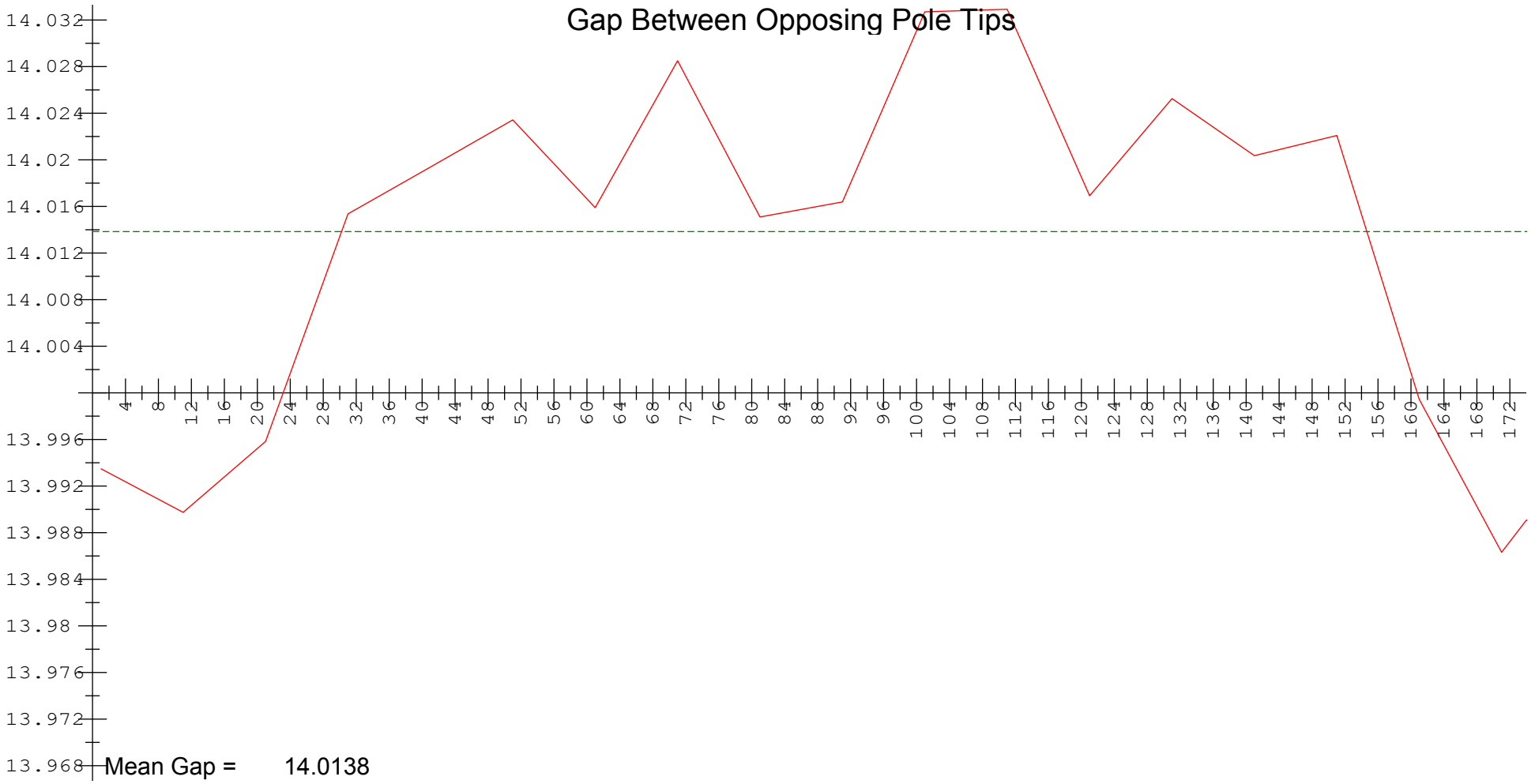
SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 14 Nominal Taper = 0.000

Gap Reading = 14.0000 US Encoder = 0.0140 DS Encoder = 0.0140

22-NOV-2019
S/N = 021
D/S= 0001
Run= 11



Step Between Measured Pole Tips = 10

Dimensions in mm

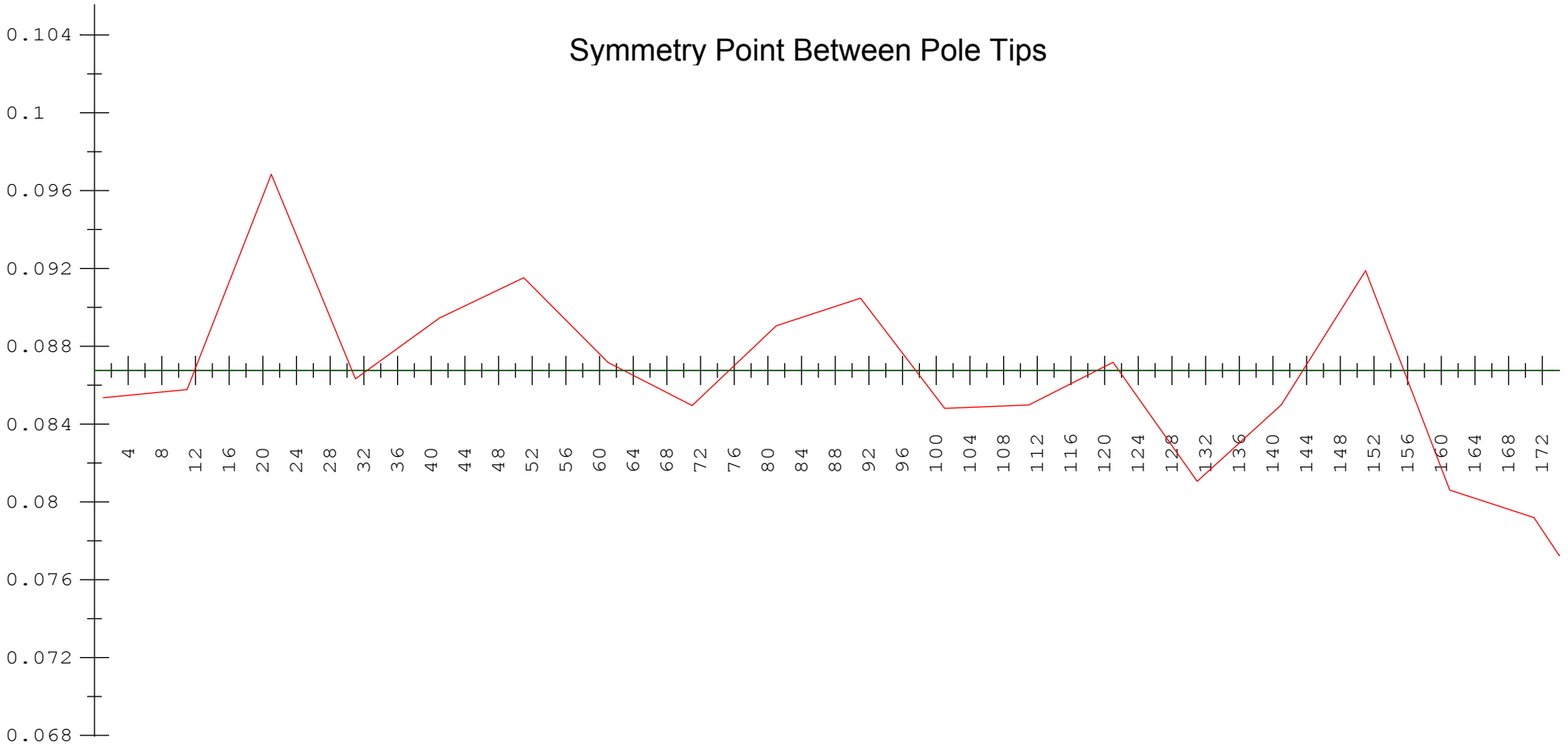
SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 14 Nominal Taper = 0.000

Gap Reading = 14.0000 US Encoder = 0.0140 DS Encoder = 0.0140

22-NOV-2019
S/N = 021
D/S= 0001
Run= 11



Mean Symmetry Value = 0.0868

Step Between Measured Pole Tips = 10

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 14 Nominal Taper = 0.000

Gap Reading = 14.0000 US Encoder = 0.0140 DS Encoder = 0.0140

22-NOV-2019
S/N = 021
D/S= 0001
Run= 11

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	7.0964	7.0947	7.0906	7.0889
Bottom	-6.9153	-6.9173	-6.9224	-6.9244
Gap	14.0116			14.0134
Taper				0.0018

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
7.0937	-6.9202	14.0138	0.0868

Additional Calculated Values

Bottom Pole #1 Z Value	980.155
Top Jaw Pitch (mrad)	-0.002
Bottom Jaw Pitch(mrad)	-0.003
Minimum Effective Gap	13.973
Reference Block Gap	6.799

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 14 Nominal Taper = 0.000

Gap Reading = 14.0000 US Encoder = 0.0140 DS Encoder = 0.0140

22-NOV-2019
S/N = 021
D/S= 0001
Run= 11