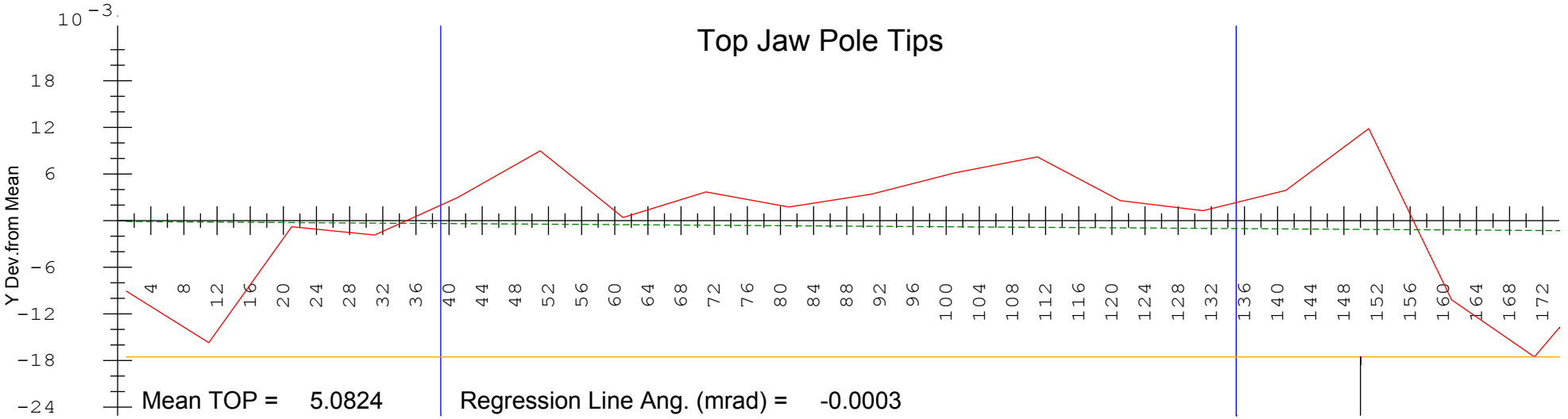
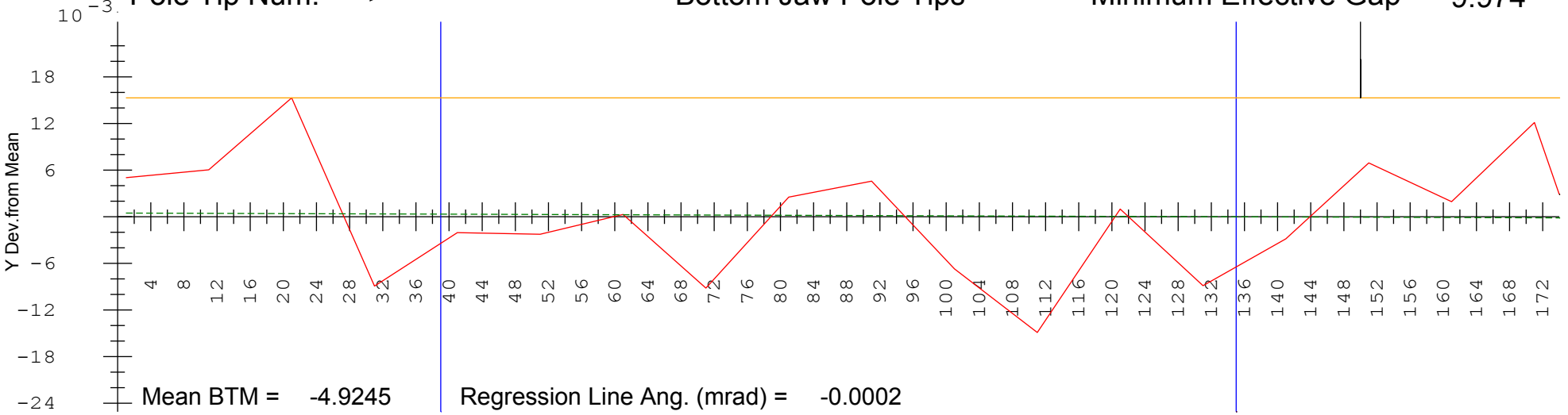


Pole Tip Num. ---->



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 = 10 Nominal Taper = 0.000

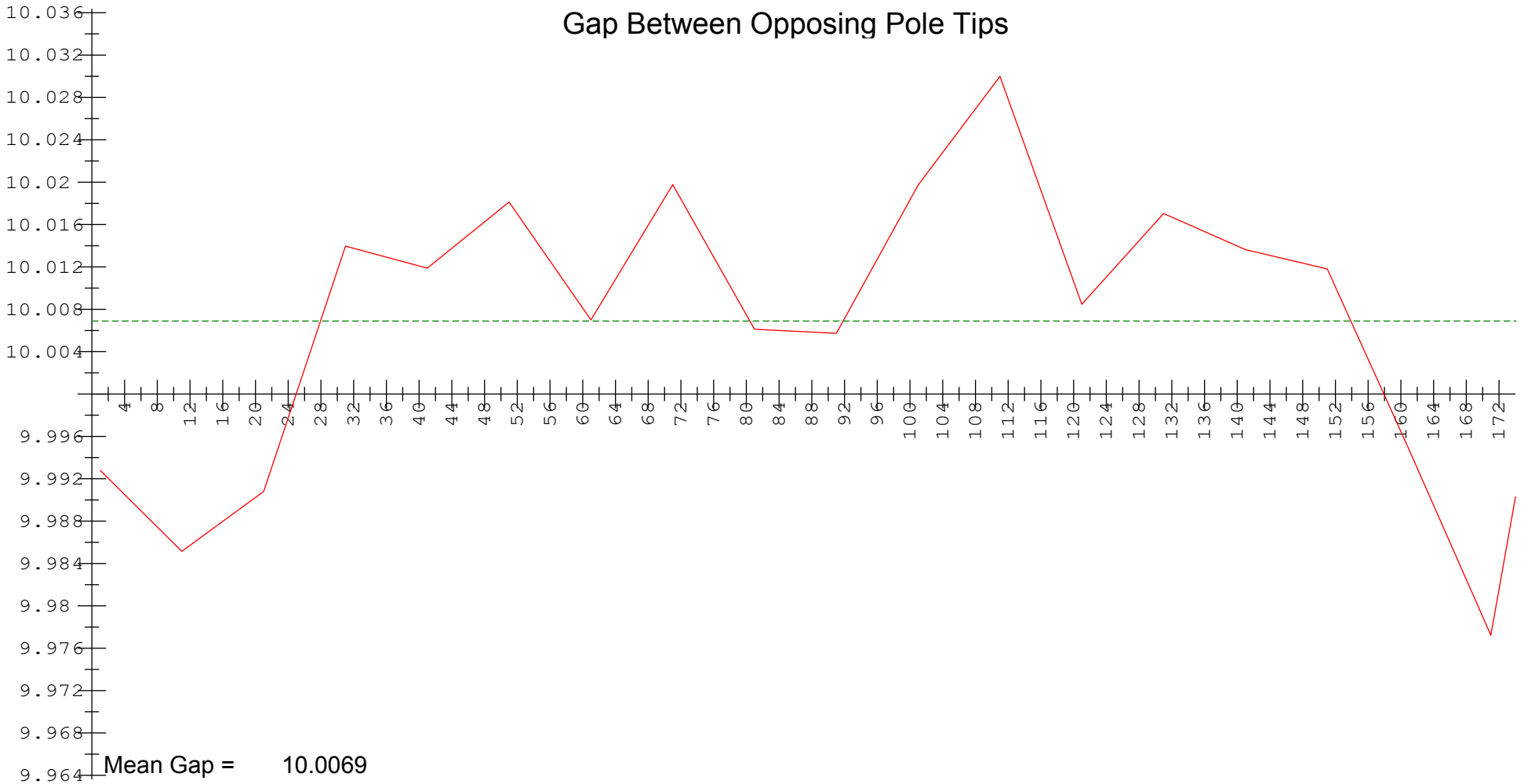
Gap Reading = 10.0000 US Encoder = 0.0100 DS Encoder = 0.0100

22-NOV-2019

S/N = 021

D/S= 0001

Run= 6



Step Between Measured Pole Tips = 10

Dimensions in mm

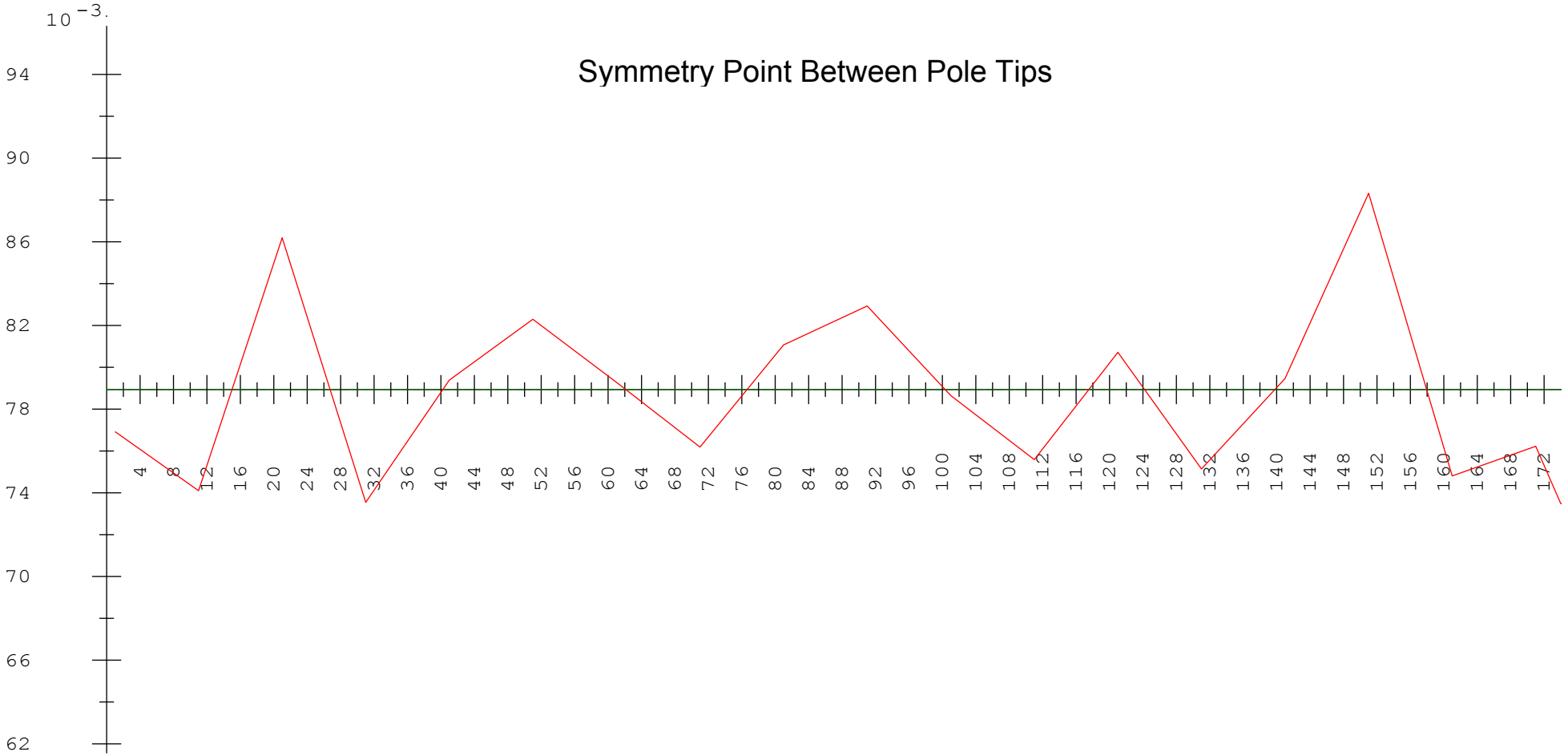
SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000

Gap Reading = 10.0000 US Encoder = 0.0100 DS Encoder = 0.0100

22-NOV-2019
S/N = 021
D/S= 0001
Run= 6



Mean Symmetry Value = 0.0789

Step Between Measured Pole Tips = 10

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000

Gap Reading = 10.0000 US Encoder = 0.0100 DS Encoder = 0.0100

22-NOV-2019
S/N = 021
D/S= 0001
Run= 6

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	5.0823	5.0820	5.0814	5.0811
Bottom	-4.9240	-4.9242	-4.9245	-4.9247
Gap	10.0063			10.0057
Taper				-0.0005

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0824	-4.9245	10.0069	0.0789

Additional Calculated Values

Bottom Pole #1 Z Value	980.155
Top Jaw Pitch (mrad)	0.000
Bottom Jaw Pitch(mrad)	0.000
Minimum Effective Gap	9.974
Reference Block Gap	6.799

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000

Gap Reading = 10.0000 US Encoder = 0.0100 DS Encoder = 0.0100

22-NOV-2019
S/N = 021
D/S= 0001
Run= 6