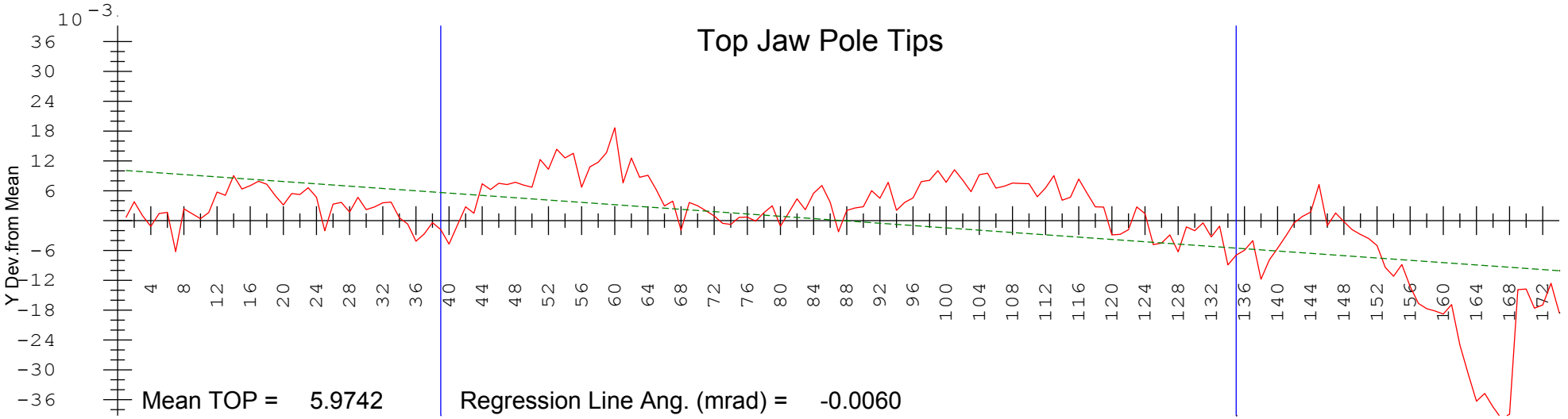
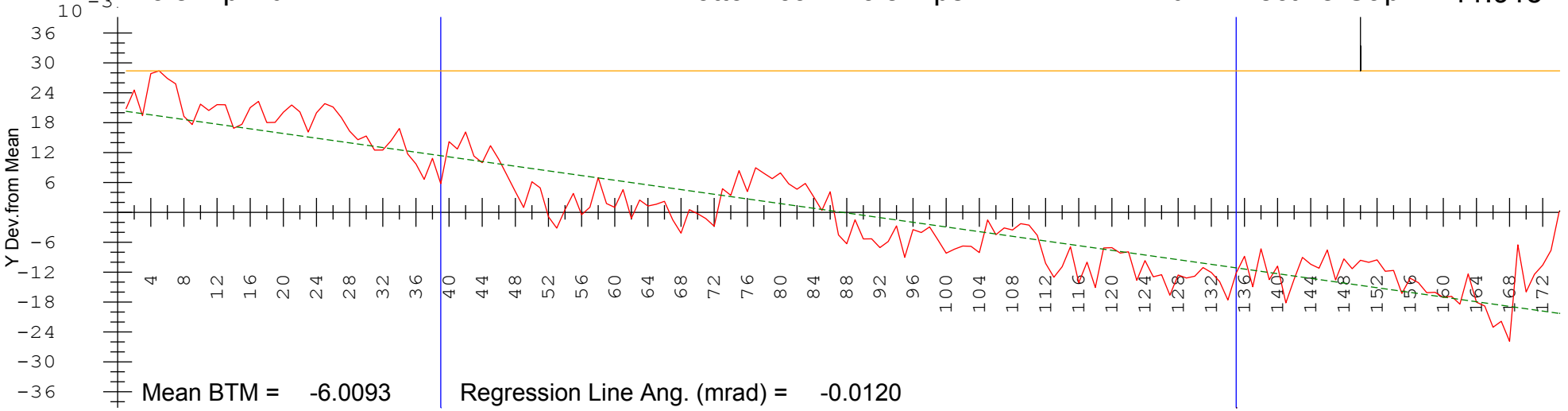


Pole Tip Num. ---->



Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 1

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

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY

METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 12 Nominal Taper = 0.000

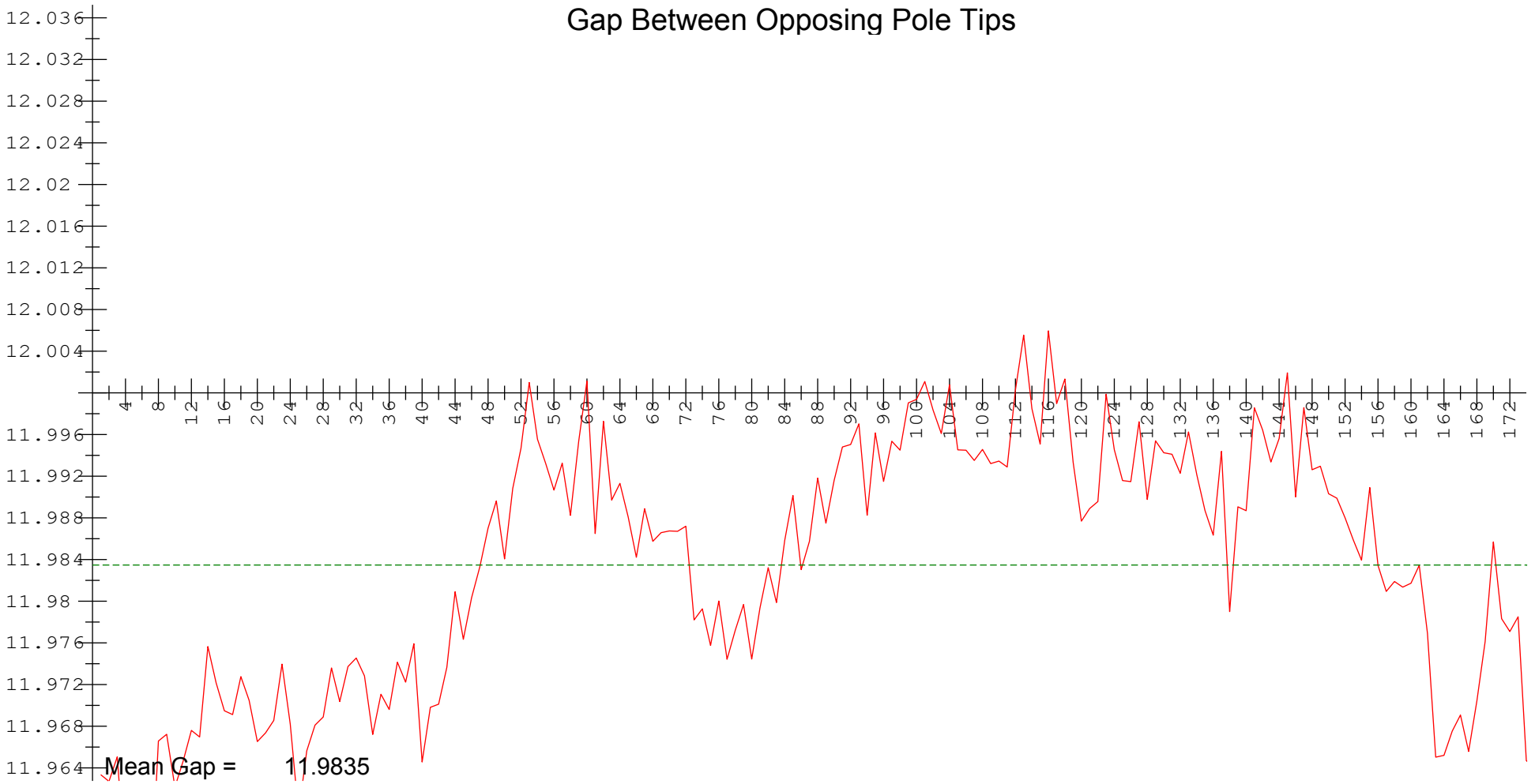
Gap Reading = 12.0000 US Encoder = 0.0000 DS Encoder = 0.0000

22-JAN-2019

S/N = 019

D/S= 0001

Run= 6



Step Between Measured Pole Tips = 1

Dimensions in mm

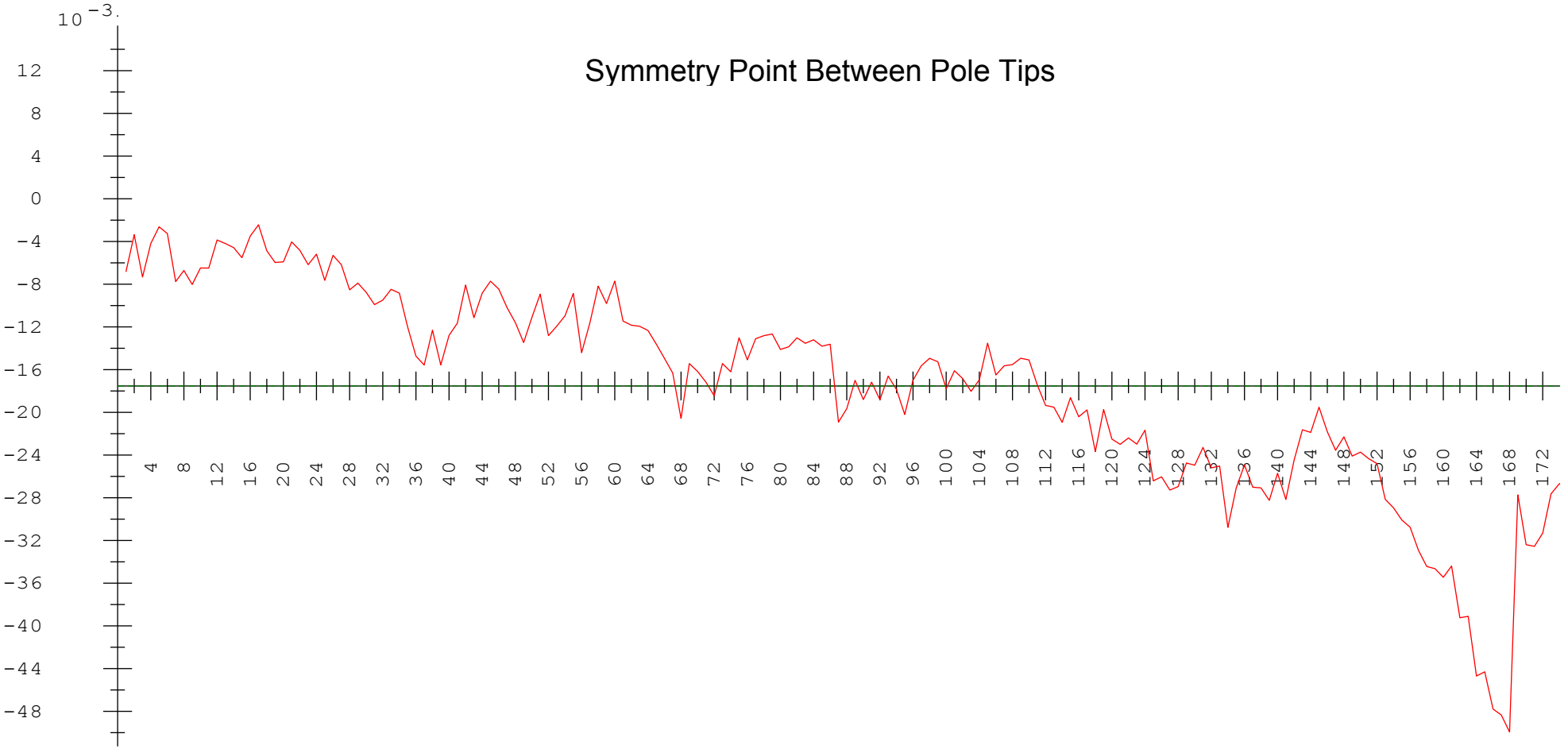
SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 12 Nominal Taper = 0.000

Gap Reading = 12.0000 US Encoder = 0.0000 DS Encoder = 0.0000

22-JAN-2019
S/N = 019
D/S= 0001
Run= 6



Mean Symmetry Value = -0.0175

Step Between Measured Pole Tips = 1

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 12 Nominal Taper = 0.000

Gap Reading = 12.0000 US Encoder = 0.0000 DS Encoder = 0.0000

22-JAN-2019
S/N = 019
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	5.9843	5.9799	5.9687	5.9641
Bottom	-5.9890	-5.9979	-6.0204	-6.0295
Gap	11.9733			11.9937
Taper				0.0204

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.9742	-6.0093	11.9835	-0.0175

Additional Calculated Values

Bottom Pole #1 Z Value	980.265
Top Jaw Pitch (mrad)	-0.006
Bottom Jaw Pitch(mrad)	-0.012
Minimum Effective Gap	11.915
Reference Block Gap	6.805

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 12 Nominal Taper = 0.000

Gap Reading = 12.0000 US Encoder = 0.0000 DS Encoder = 0.0000

22-JAN-2019
S/N = 019
D/S= 0001
Run= 6