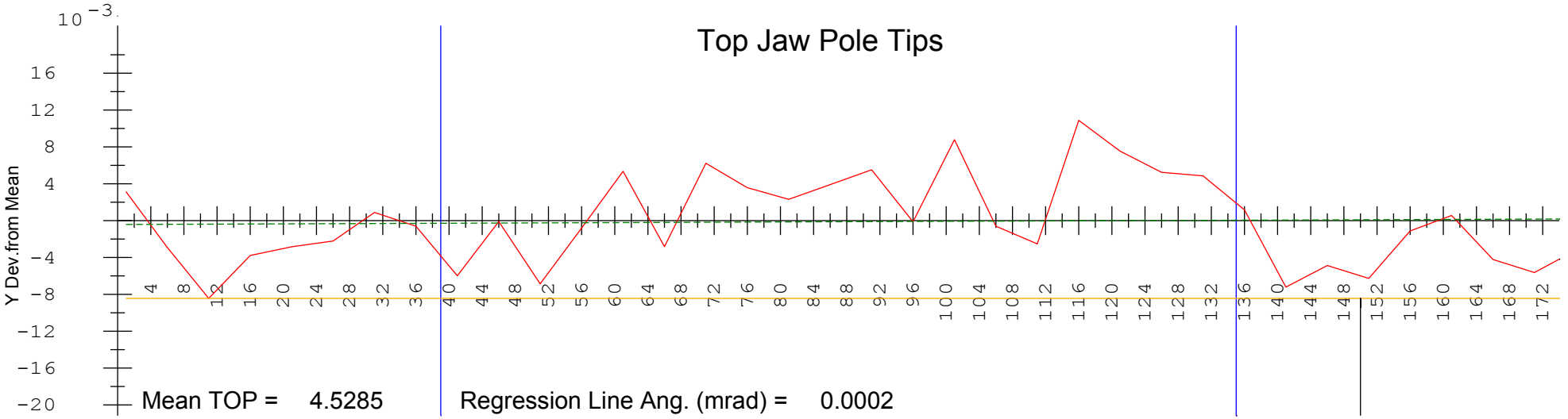
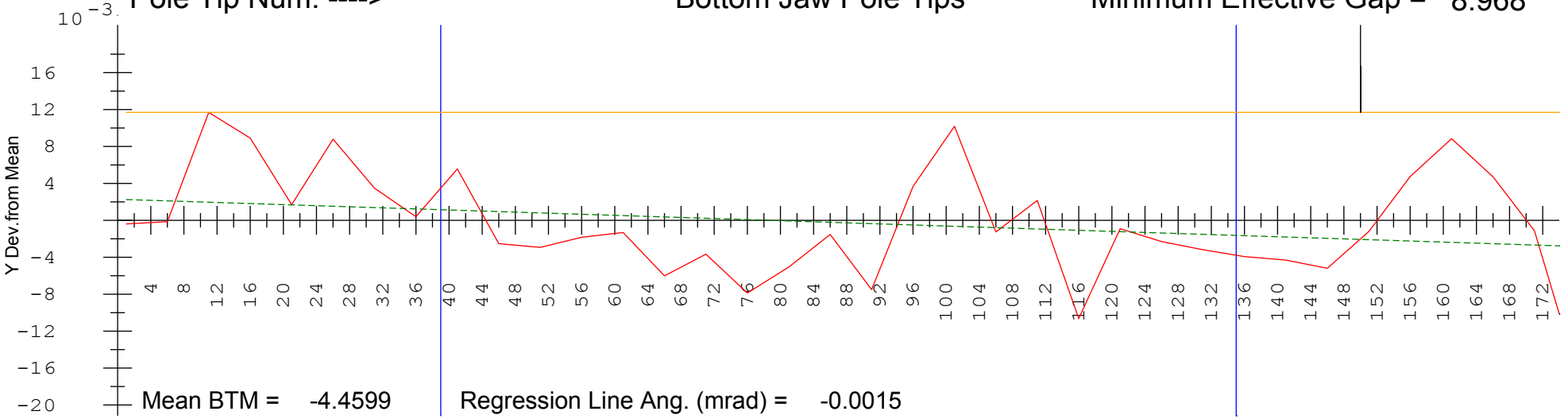


Pole Tip Num. ---->



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 = 9 Nominal Taper = 0.000

Gap Reading = 9.0000 US Encoder = 9.0000 DS Encoder = 9.0000

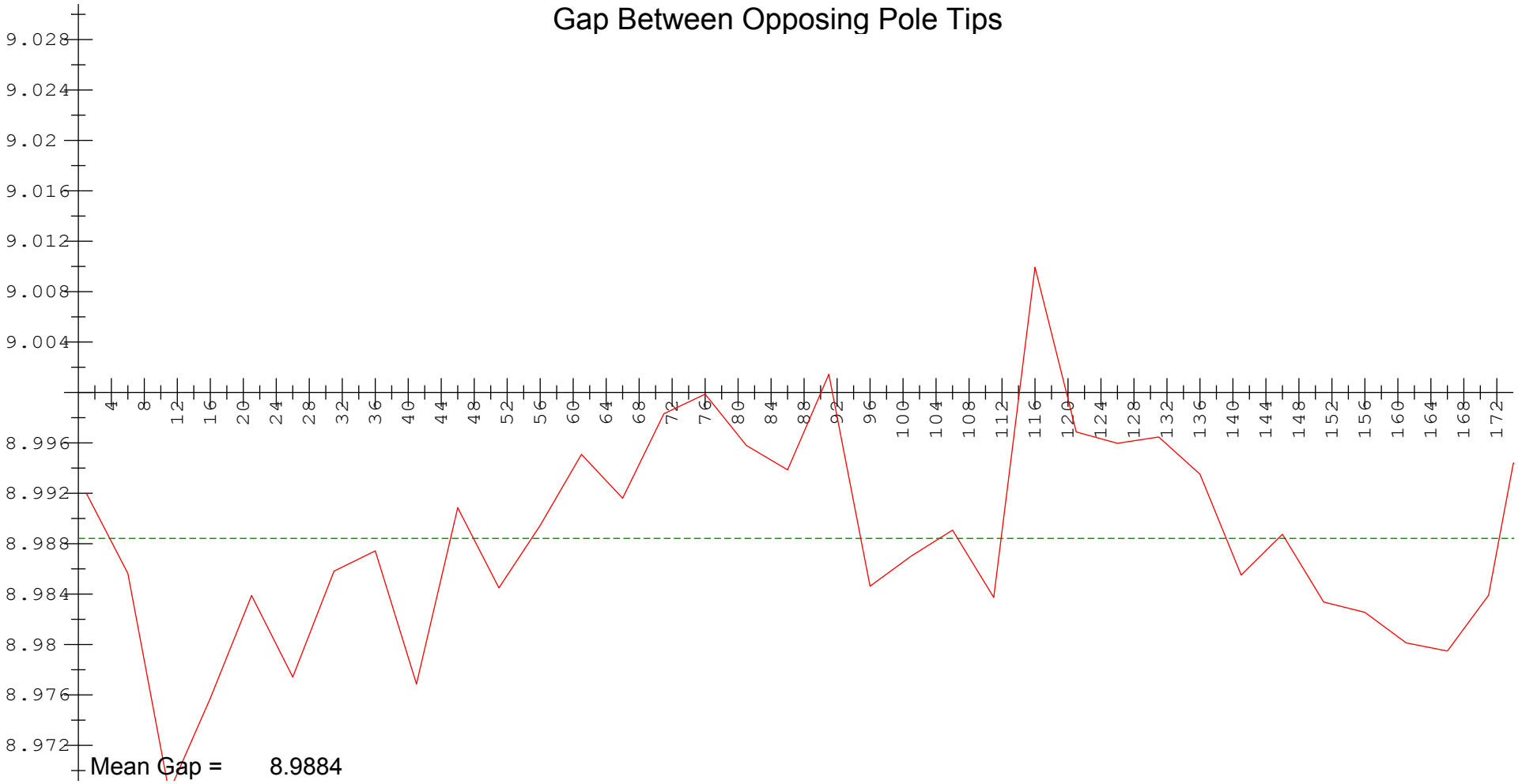
24-OCT-2018

S/N = 016

D/S= 0001

Run= 5

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

Dimensions in mm

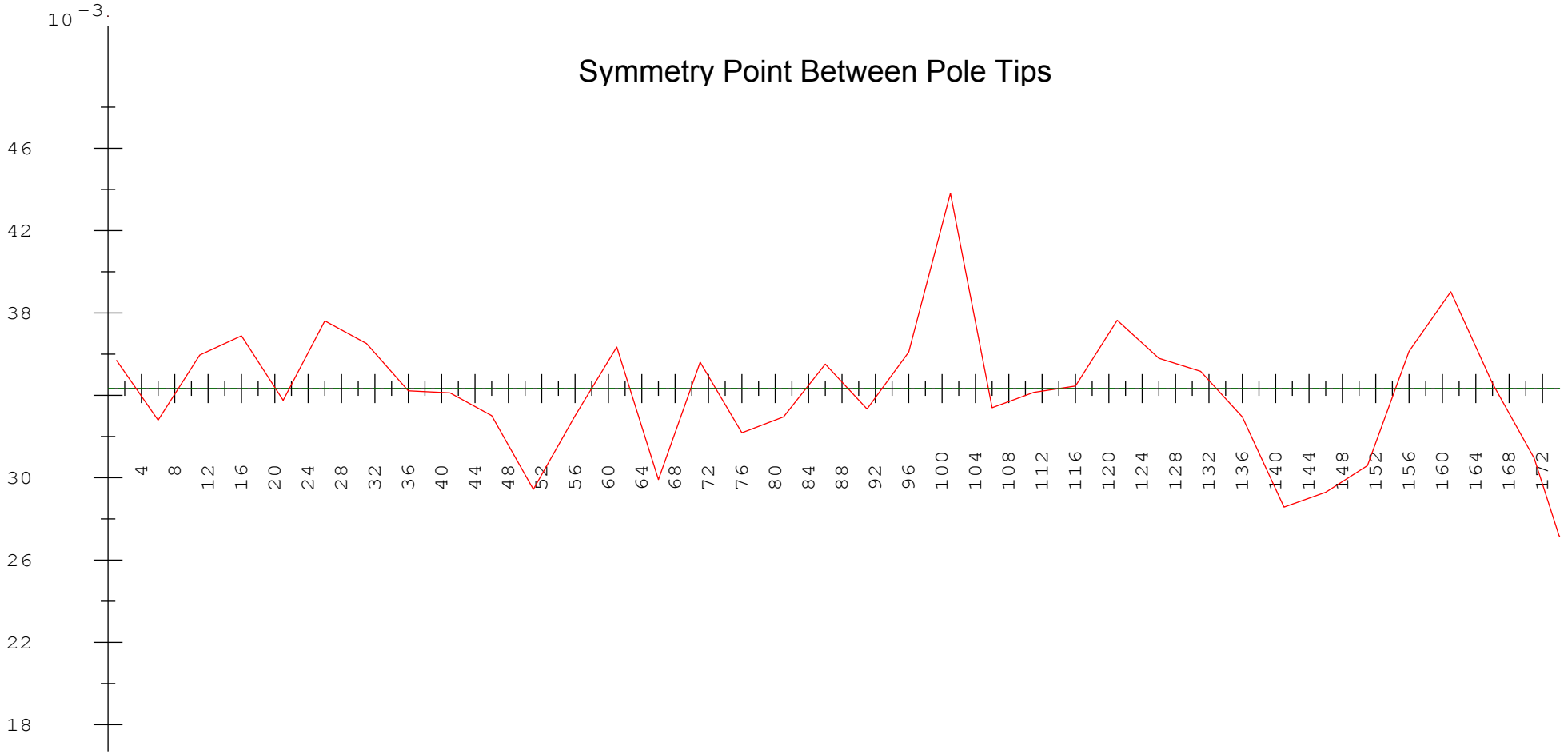
SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 9 Nominal Taper = 0.000

Gap Reading = 9.0000 US Encoder = 9.0000 DS Encoder = 9.0000

24-OCT-2018
S/N = 016
D/S= 0001
Run= 5



Mean Symmetry Value = 0.0343

Step Between Measured Pole Tips = 5

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 9 Nominal Taper = 0.000

Gap Reading = 9.0000 US Encoder = 9.0000 DS Encoder = 9.0000

24-OCT-2018
S/N = 016
D/S= 0001
Run= 5

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	4.5281	4.5283	4.5286	4.5287
Bottom	-4.4576	-4.4587	-4.4615	-4.4626
Gap	8.9858			8.9914
Taper				0.0056

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.5285	-4.4599	8.9884	0.0343

Additional Calculated Values

Bottom Pole #1 Z Value	979.935
Top Jaw Pitch (mrad)	0.000
Bottom Jaw Pitch(mrad)	-0.001
Minimum Effective Gap	8.968
Reference Block Gap	6.809

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 9 Nominal Taper = 0.000

Gap Reading = 9.0000 US Encoder = 9.0000 DS Encoder = 9.0000

24-OCT-2018
S/N = 016
D/S= 0001
Run= 5