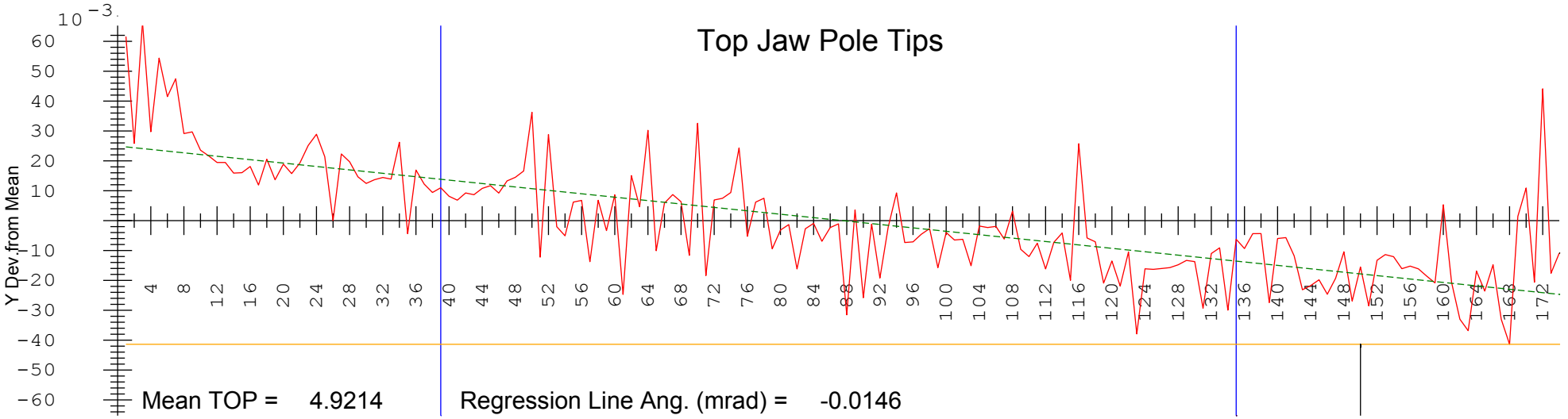
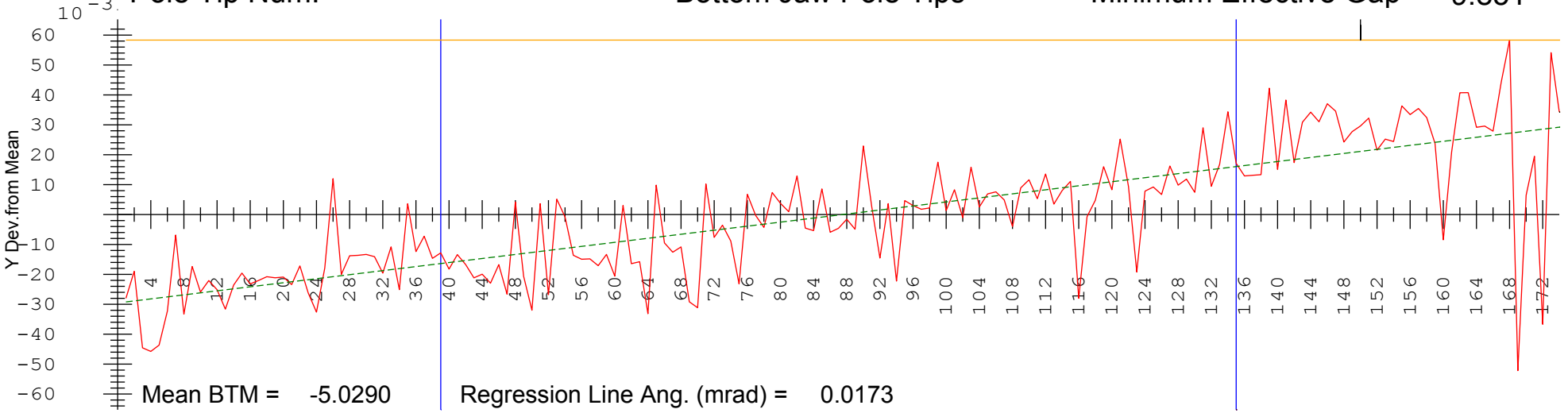


Pole Tip Num. ----> Minimum Effective Gap = 9.851



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

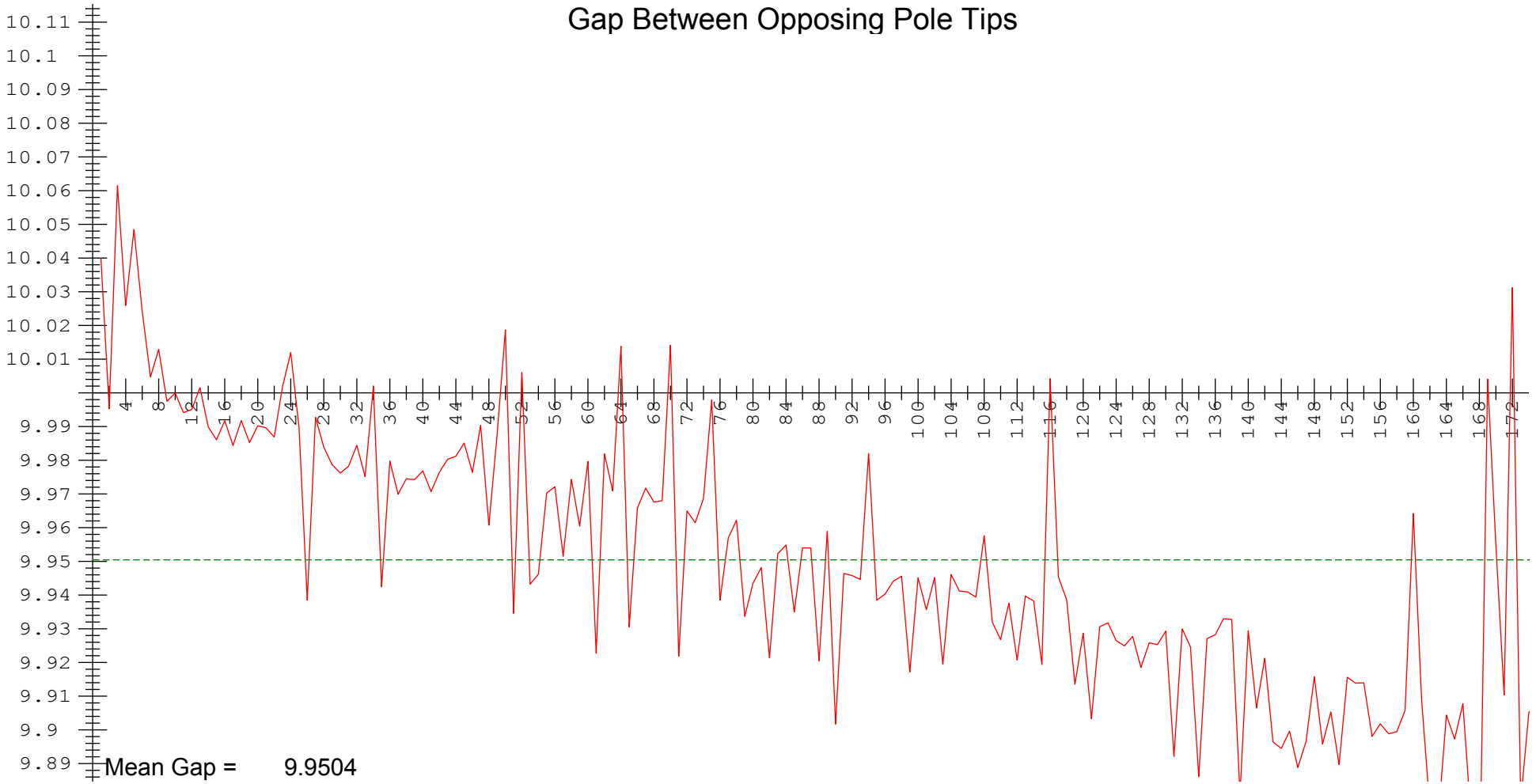
LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100

Gap Reading = 9.9500 US Encoder = 10.0000 DS Encoder = 9.9000

15-AUG-2018
S/N = 011
D/S= 0002
Run= 3

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm

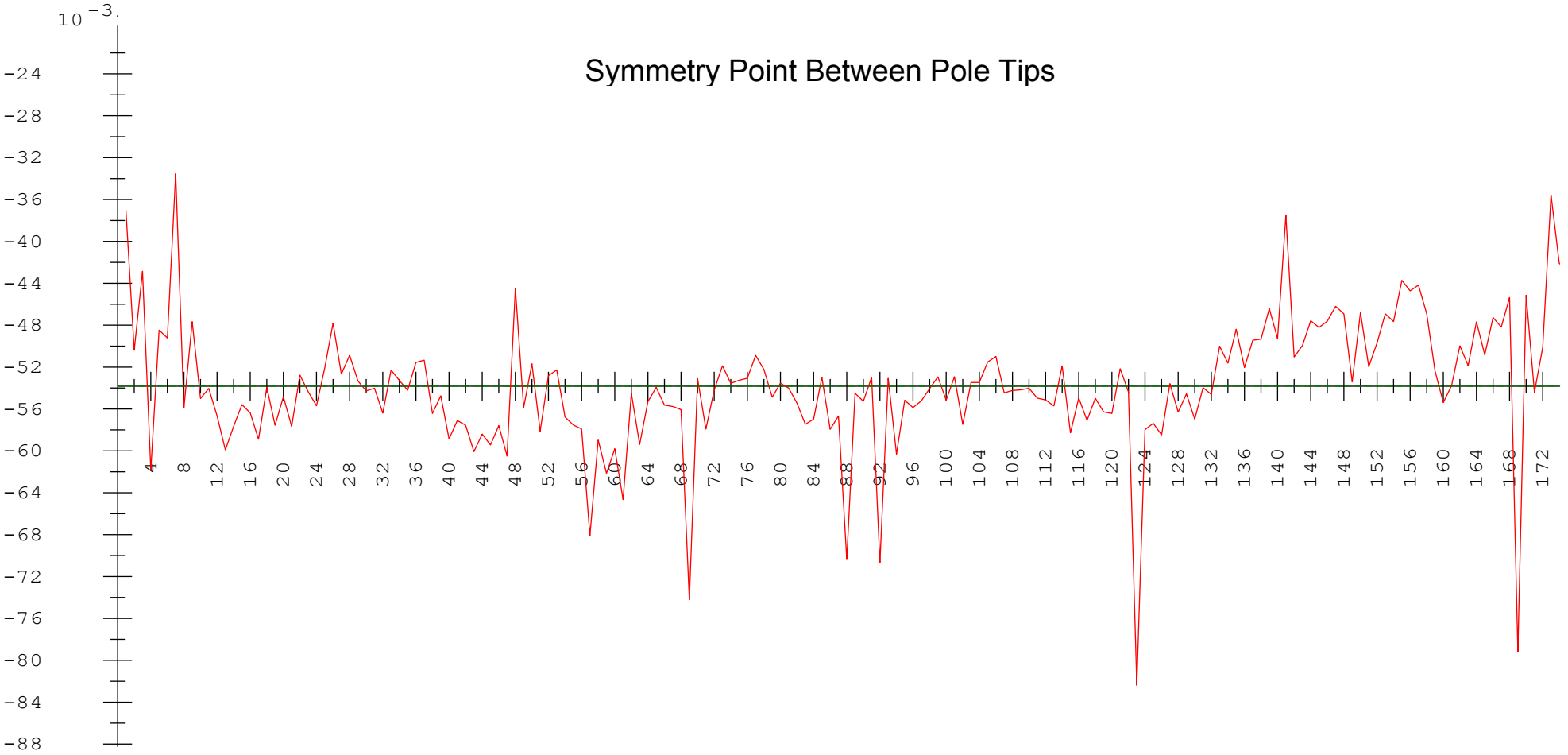
SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100

Gap Reading = 9.9500 US Encoder = 10.0000 DS Encoder = 9.9000

15-AUG-2018
S/N = 011
D/S= 0002
Run= 3



Mean Symmetry Value = -0.0538

Step Between Measured Pole Tips = 1

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100

Gap Reading = 9.9500 US Encoder = 10.0000 DS Encoder = 9.9000

15-AUG-2018
S/N = 011
D/S= 0002
Run= 3

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	4.9461	4.9352	4.9078	4.8967
Bottom	-5.0583	-5.0454	-5.0130	-4.9998
Gap	10.0043			9.8966
Taper				-0.1077

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.9214	-5.0290	9.9504	-0.0538

Additional Calculated Values

Bottom Pole #1 Z Value	979.841
Top Jaw Pitch (mrad)	-0.015
Bottom Jaw Pitch(mrad)	0.017
Minimum Effective Gap	9.851
Reference Block Gap	6.805

Dimensions in mm

SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100

Gap Reading = 9.9500 US Encoder = 10.0000 DS Encoder = 9.9000

15-AUG-2018
S/N = 011
D/S= 0002
Run= 3