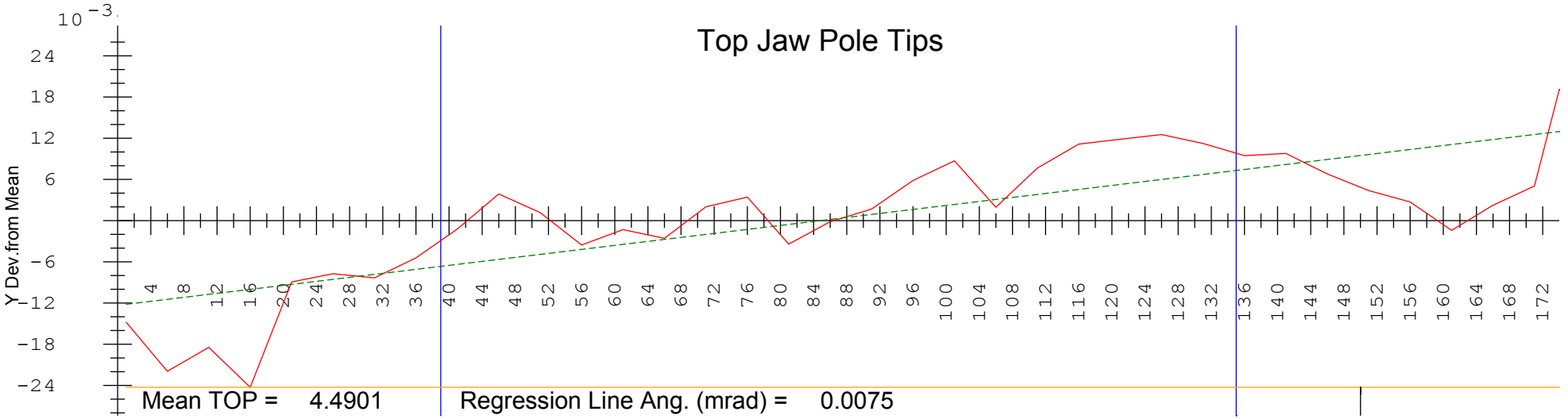
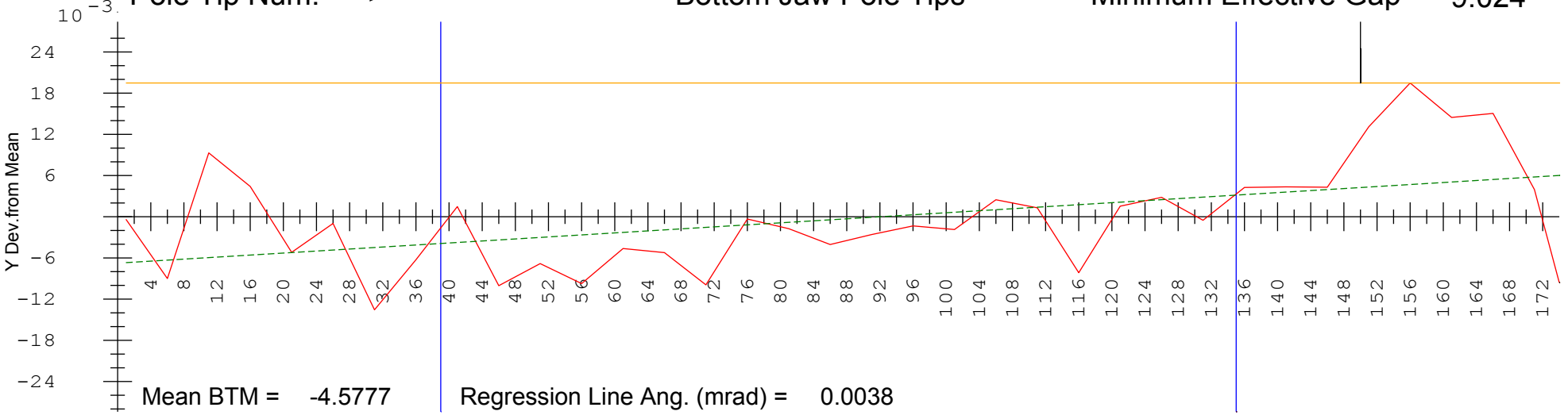


Pole Tip Num. ---->



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

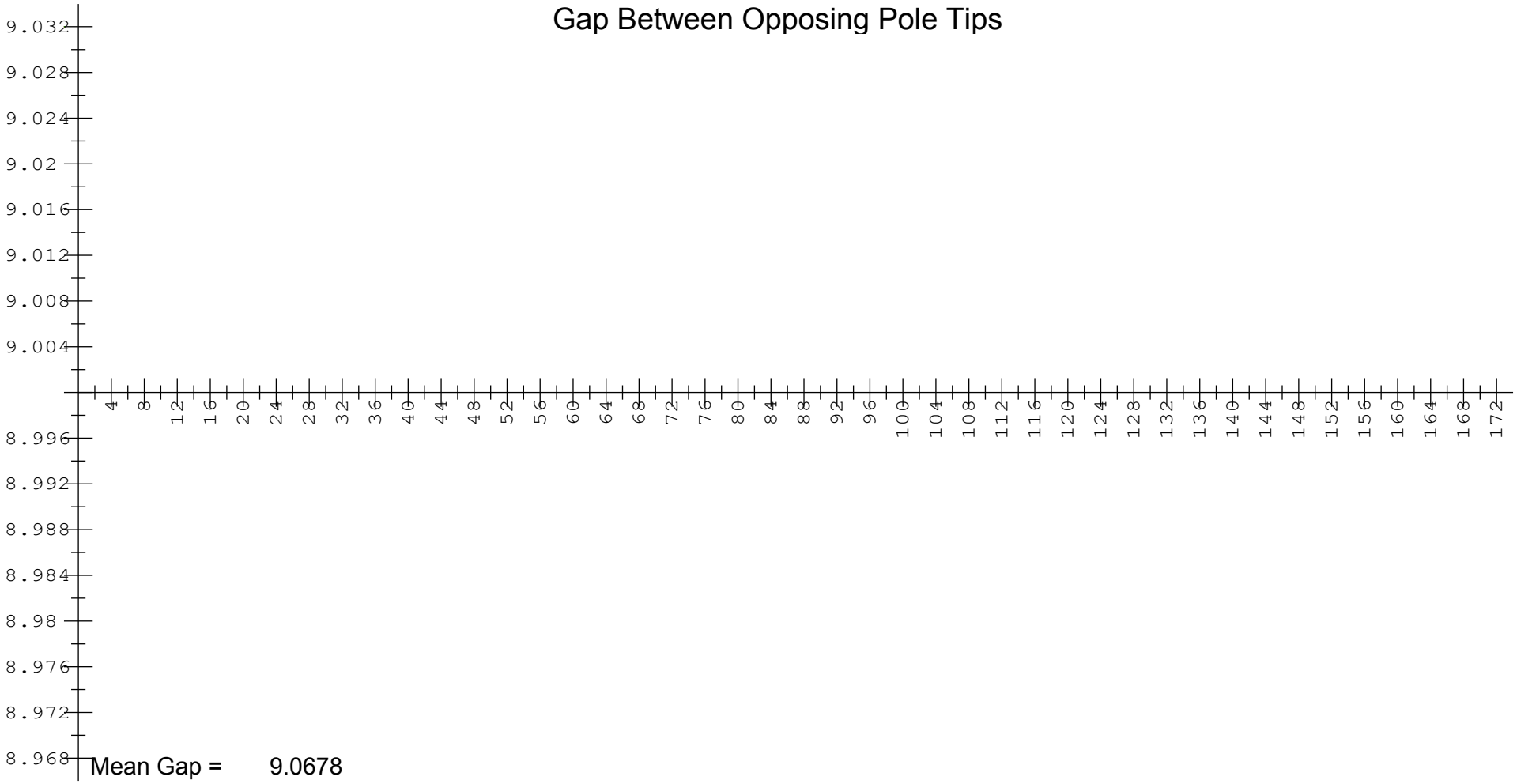
05-APR-2019

S/N = 002

D/S= 0001

Run= 6

Gap Between Opposing Pole Tips



Mean Gap = 9.0678

Step Between Measured Pole Tips = 5

Dimensions in mm

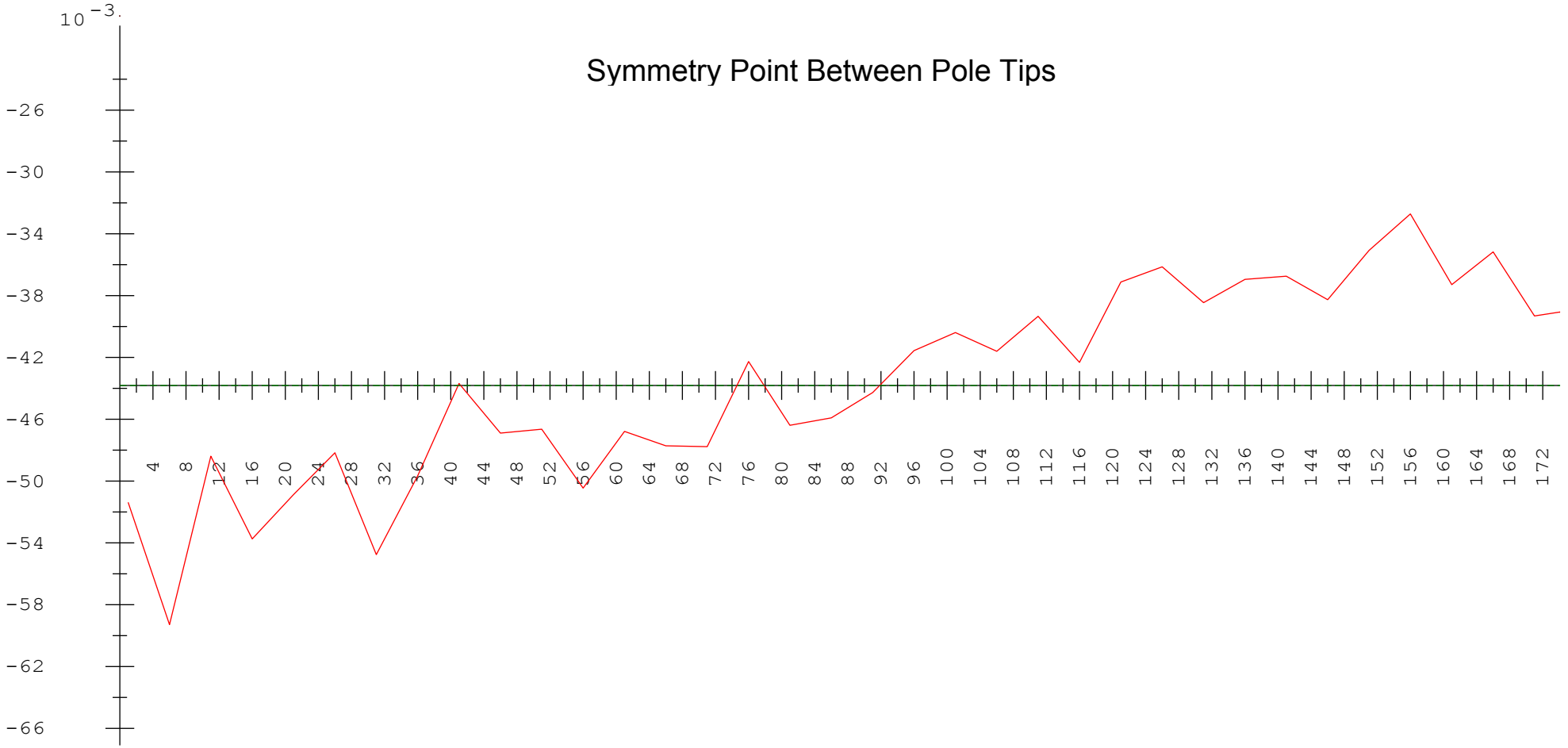
SLAC NATIONAL ACCELERATOR LABORATORY
METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 9 Nominal Taper = 0.000

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

05-APR-2019
S/N = 002
D/S= 0001
Run= 6



Mean Symmetry Value = -0.0438

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

05-APR-2019
S/N = 002
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	4.4779	4.4834	4.4974	4.5031
Bottom	-4.5844	-4.5816	-4.5746	-4.5717
Gap	9.0623			9.0747
Taper				0.0125

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.4901	-4.5777	9.0678	-0.0438

Additional Calculated Values

Bottom Pole #1 Z Value	980.303
Top Jaw Pitch (mrad)	0.007
Bottom Jaw Pitch(mrad)	0.004
Minimum Effective Gap	9.024
Reference Block Gap	6.810

Dimensions in mm

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METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 9 Nominal Taper = 0.000

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

05-APR-2019
S/N = 002
D/S= 0001
Run= 6