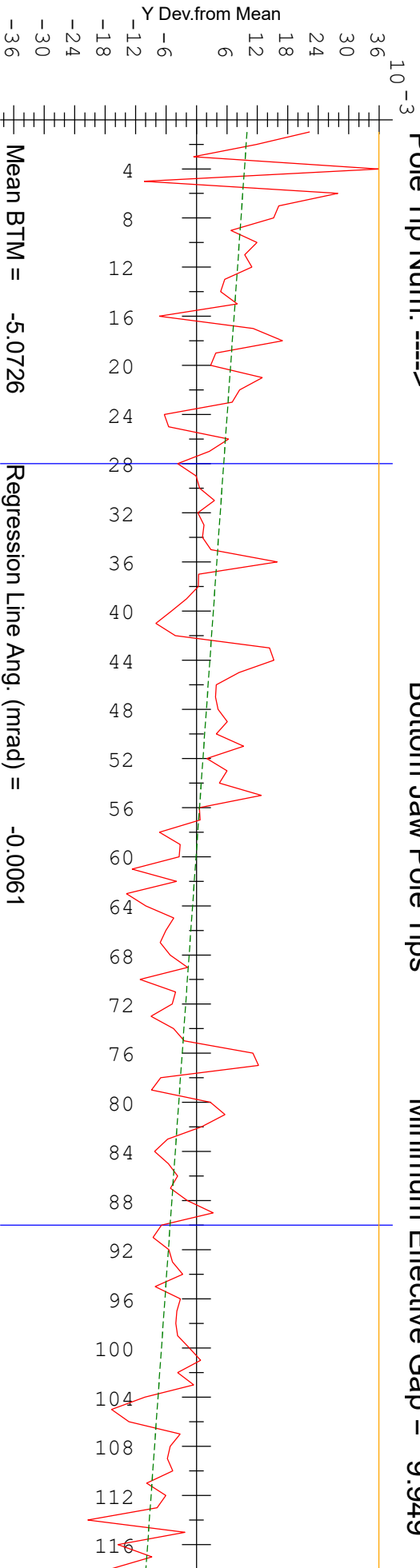
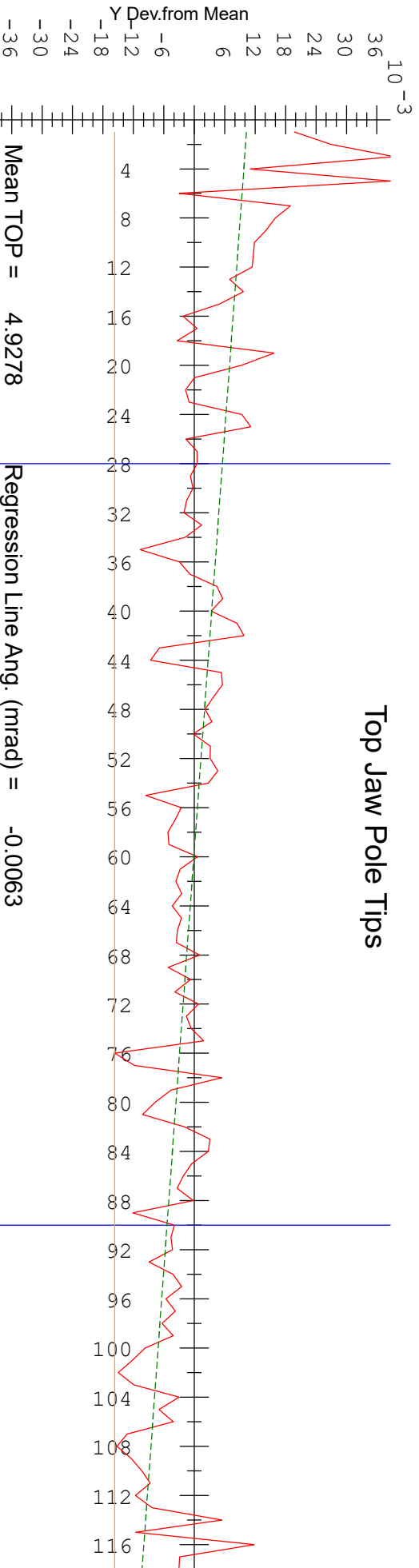




Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1



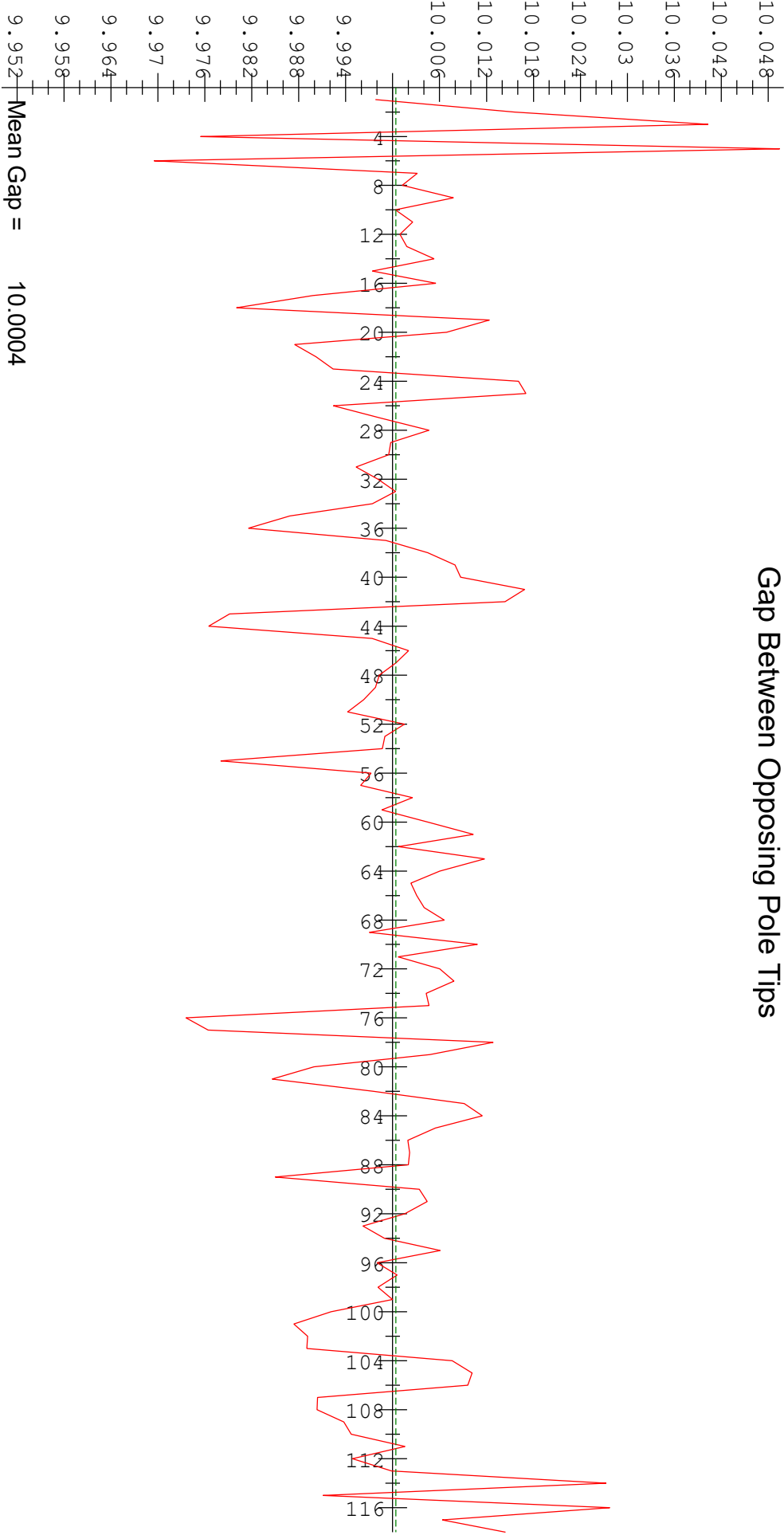
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0001 US Encoder = 10.0000 DS Encoder = 10.0001

17-JUL-2024
S/N = 023
D/S = 0001
Run = 34

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10

Nominal Taper = 0.000

Gap Reading = 10.0001

US Encoder = 10.0000

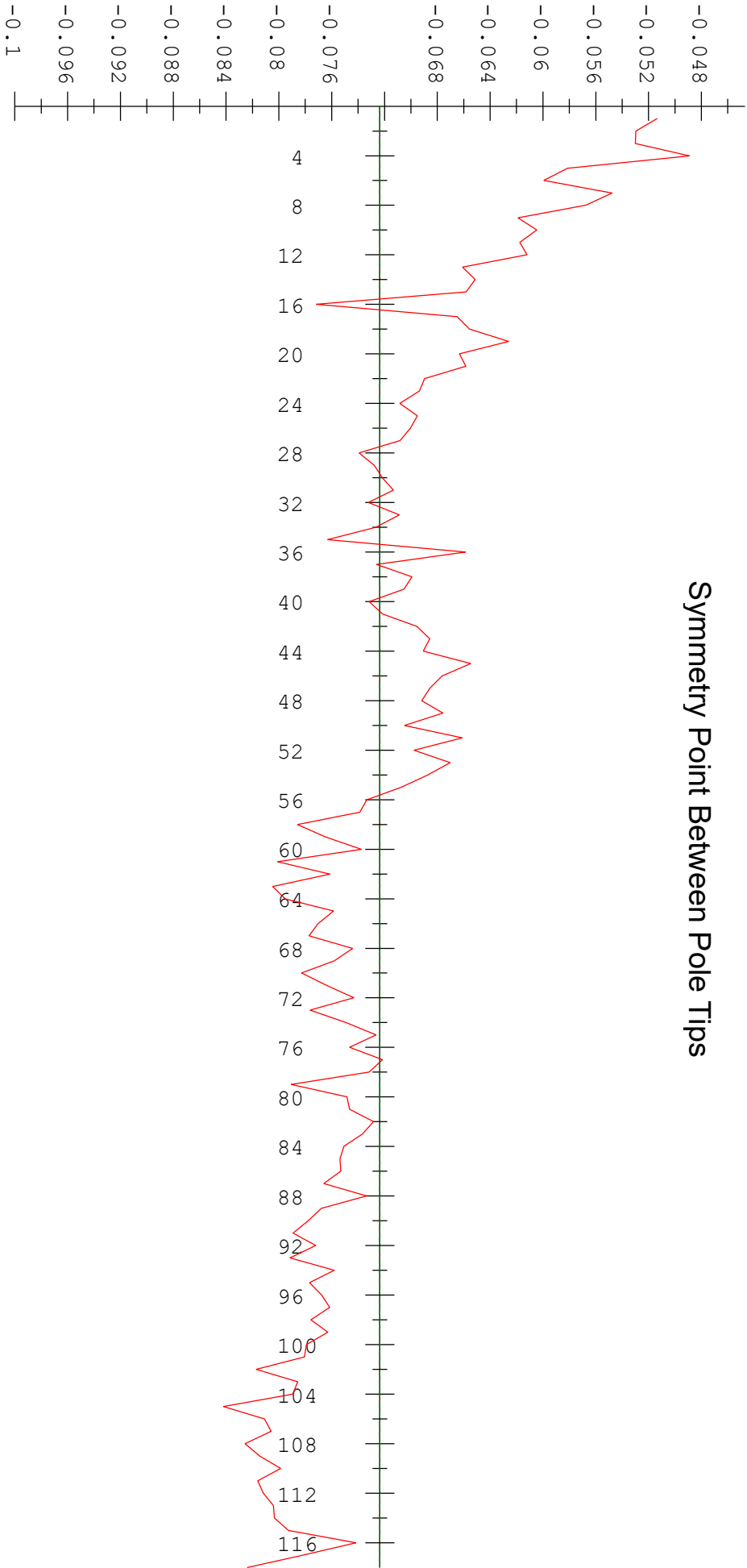
DS Encoder = 10.0001

17-JUL-2024

S/N = 023

D/S = 0001

Run = 34



Mean Symmetry Value = -0.0724

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10

Nominal Taper = 0.000

Gap Reading = 10.0001

US Encoder = 10.0000

DS Encoder = 10.0001

17-JUL-2024

S/N = 023

D/S = 0001

Run = 34

Top and Bottom Jaw
Regression Line Intersect Points

Jaw	First Pole (Pole 1)	US Actuator (Pole 28)	DS Actuator (Pole 90)	Last Pole (Pole 118)
Top	4.9381	4.9334	4.9225	4.9176
Bottom	-5.0626	-5.0672	-5.0778	-5.0825
Gap	10.0007			10.0001
Taper				-0.0007

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.9278	-5.0726	10.0004	-0.0724

Additional Calculated Values

Bottom Pole #1 Z Value	979.450
Top Jaw Pitch (mrad)	-0.006
Bottom Jaw Pitch(mrad)	-0.006
Minimum Effective Gap	9.949
Reference Block Gap	6.799

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0001 US Encoder = 10.0000 DS Encoder = 10.0001

17-JUL-2024
S/N = 023
D/S= 0001
Run= 34