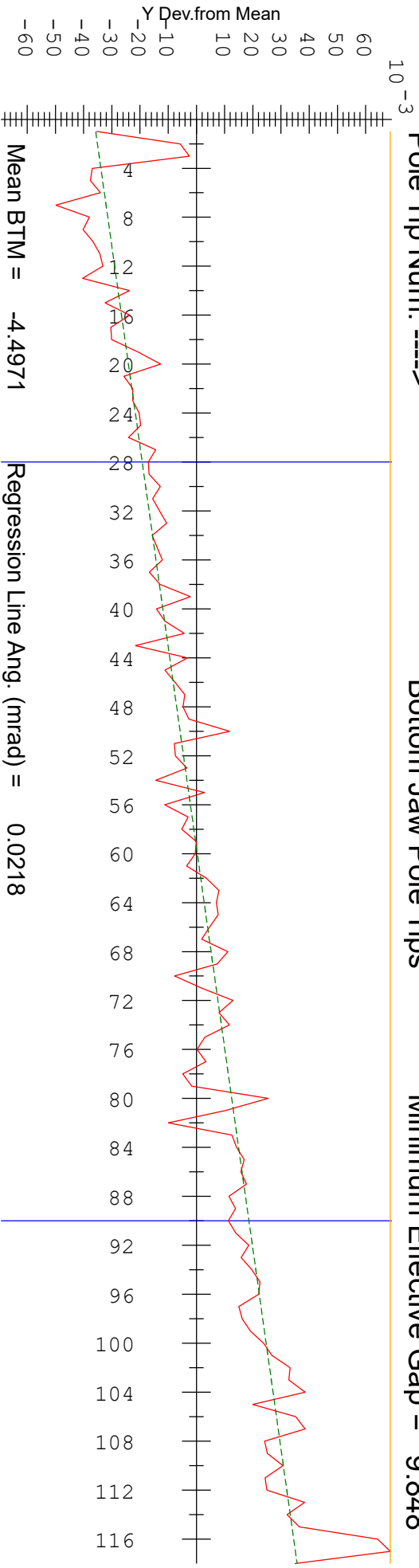
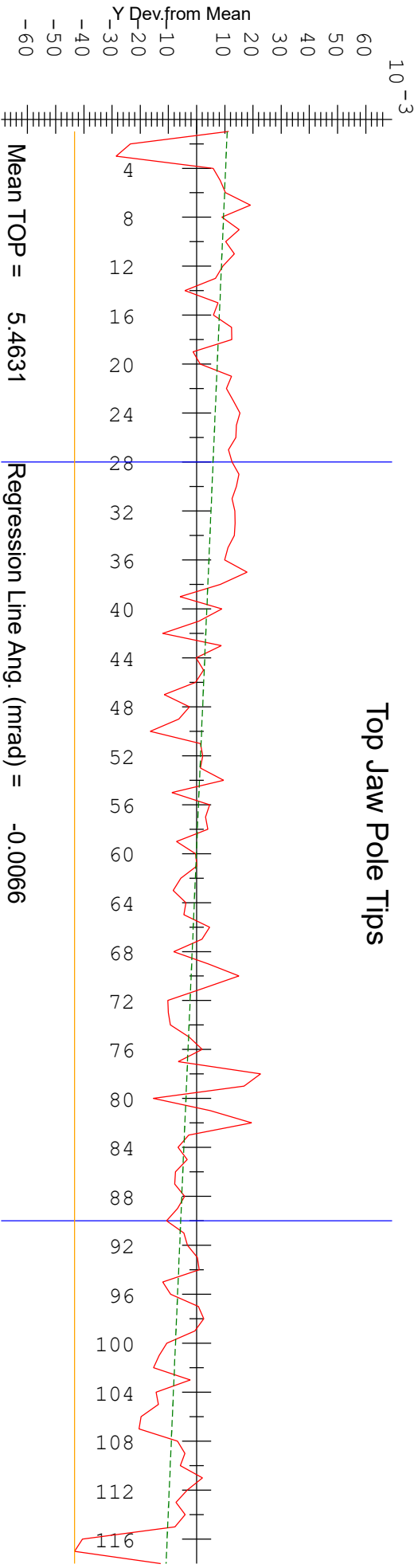




Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

Regression Line Through Points = 
Dimensions in mm



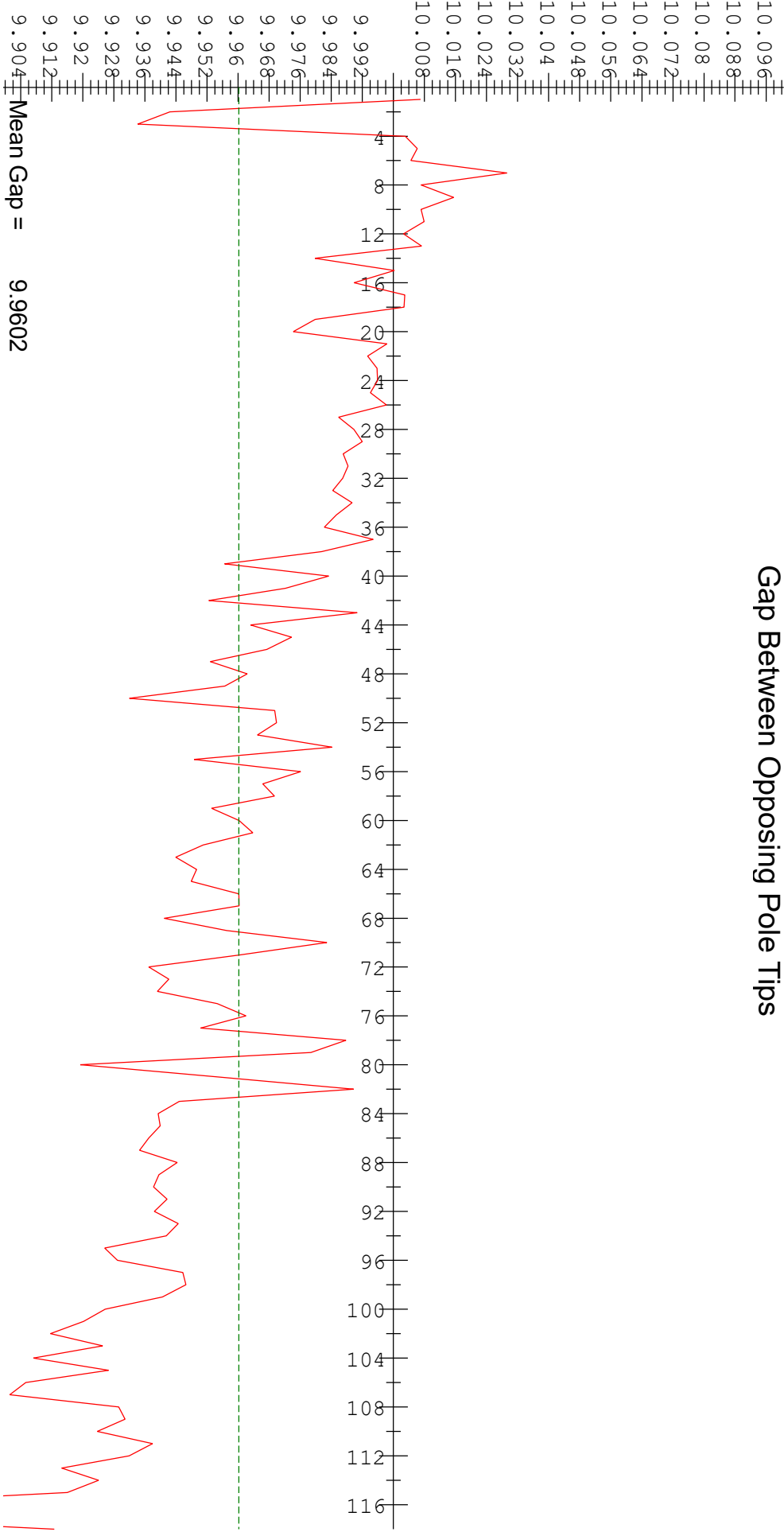
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100
Gap Reading = 9.9499 US Encoder = 10.0000 DS Encoder = 9.9000

27-JUL-2026
S/N = 011
D/S = 0001
Run = 3

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 = -0.100

Gap Reading = 9.9499

US Encoder = 10.0000

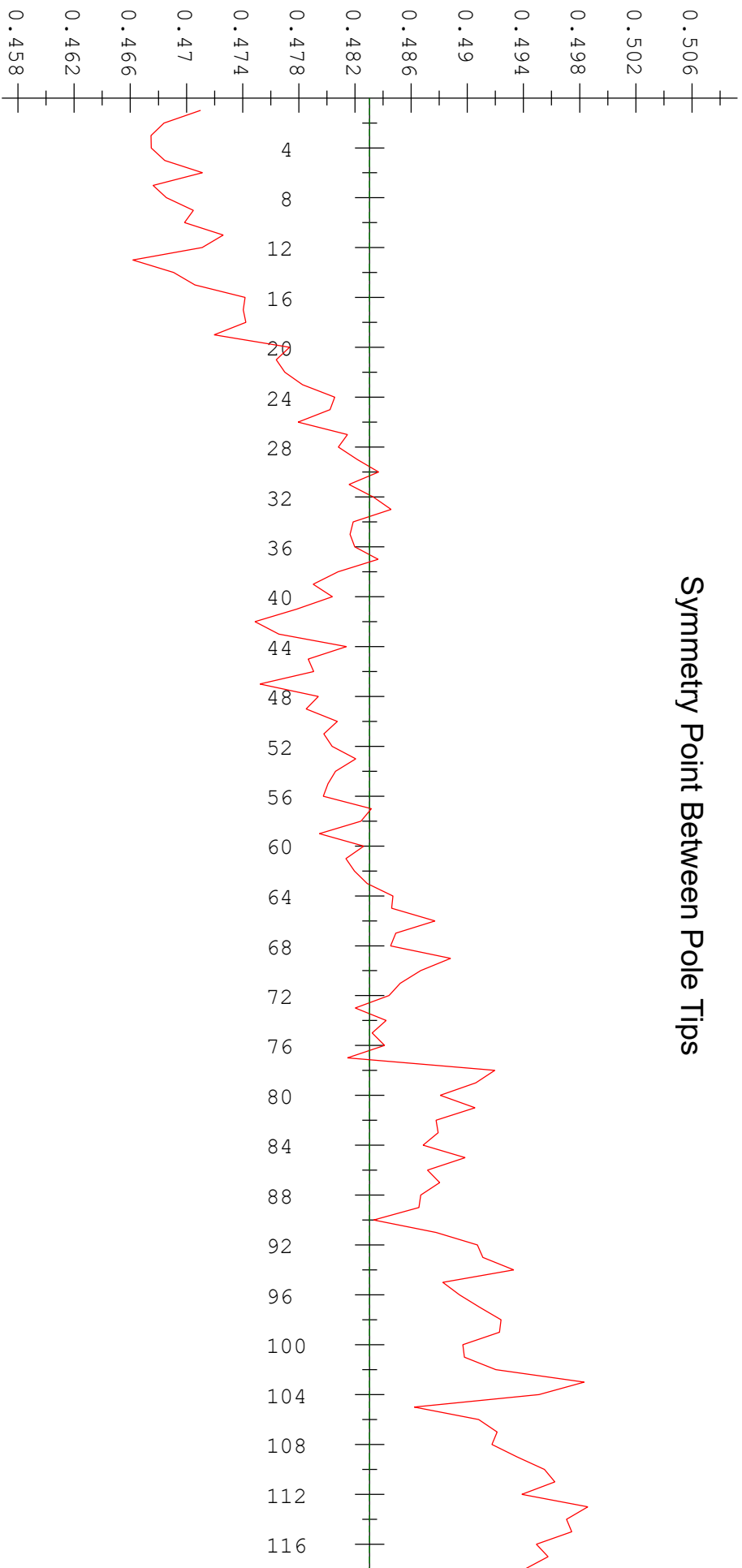
DS Encoder = 9.9000

27-JUL-2026

S/N = 011

D/S = 0001

Run = 3



Mean Symmetry Value = 0.4830

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100
Gap Reading = 9.9499 US Encoder = 10.0000 DS Encoder = 9.9000

27-JUL-2026
S/N = 011
D/S = 0001
Run = 3

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	5.4740	5.4690	5.4575	5.4523
Bottom	-4.5328	-4.5163	-4.4784	-4.4613
Gap	10.0068			9.9137
Taper				-0.0931

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.4631	-4.4971	9.9602	0.4830

Additional Calculated Values

Bottom Pole #1 Z Value	978.163
Top Jaw Pitch (mrad)	-0.007
Bottom Jaw Pitch(mrad)	0.022
Minimum Effective Gap	9.848
Reference Block Gap	6.799

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100
Gap Reading = 9.9499 US Encoder = 10.0000 DS Encoder = 9.9000

27-JUL-2026
S/N = 011
D/S= 0001
Run= 3