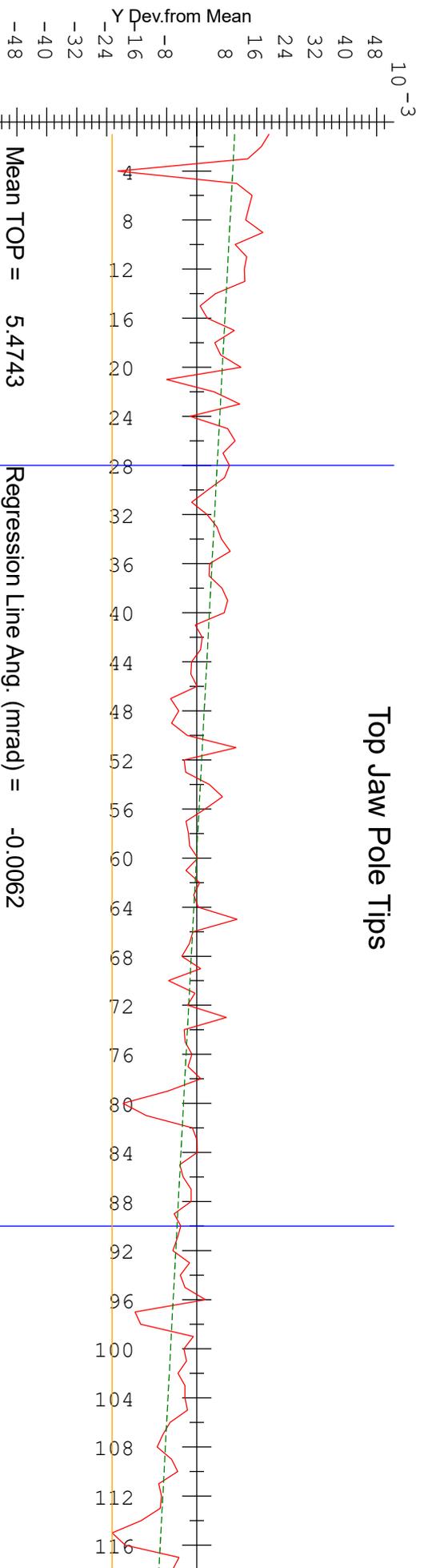
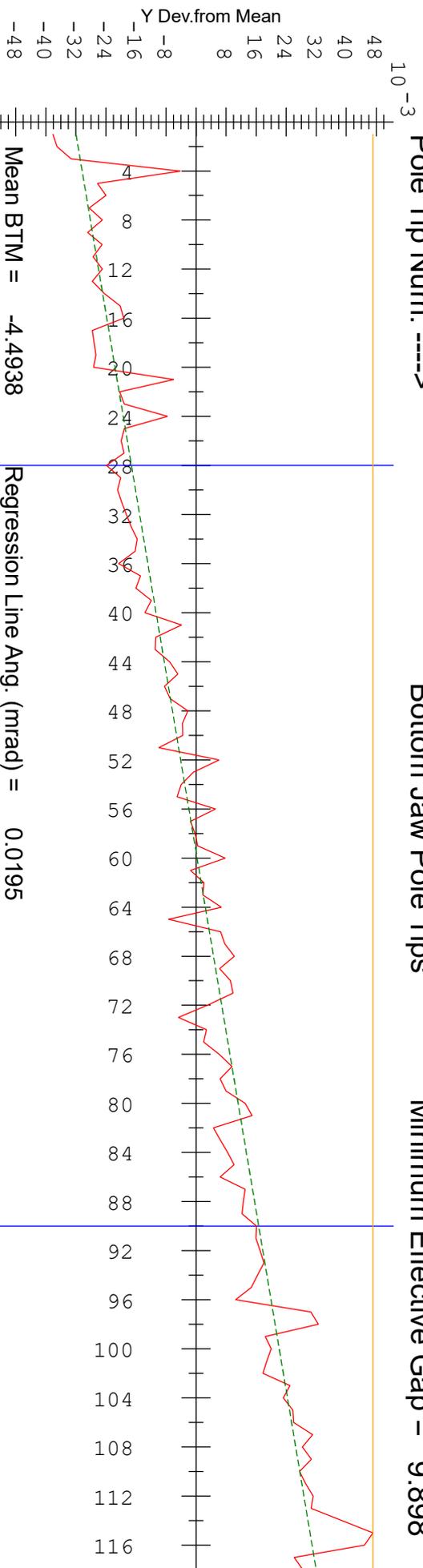


Top Jaw Pole Tips



Pole Tip Num. ---->



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

Regression Line Through Points = -----
Dimensions in mm



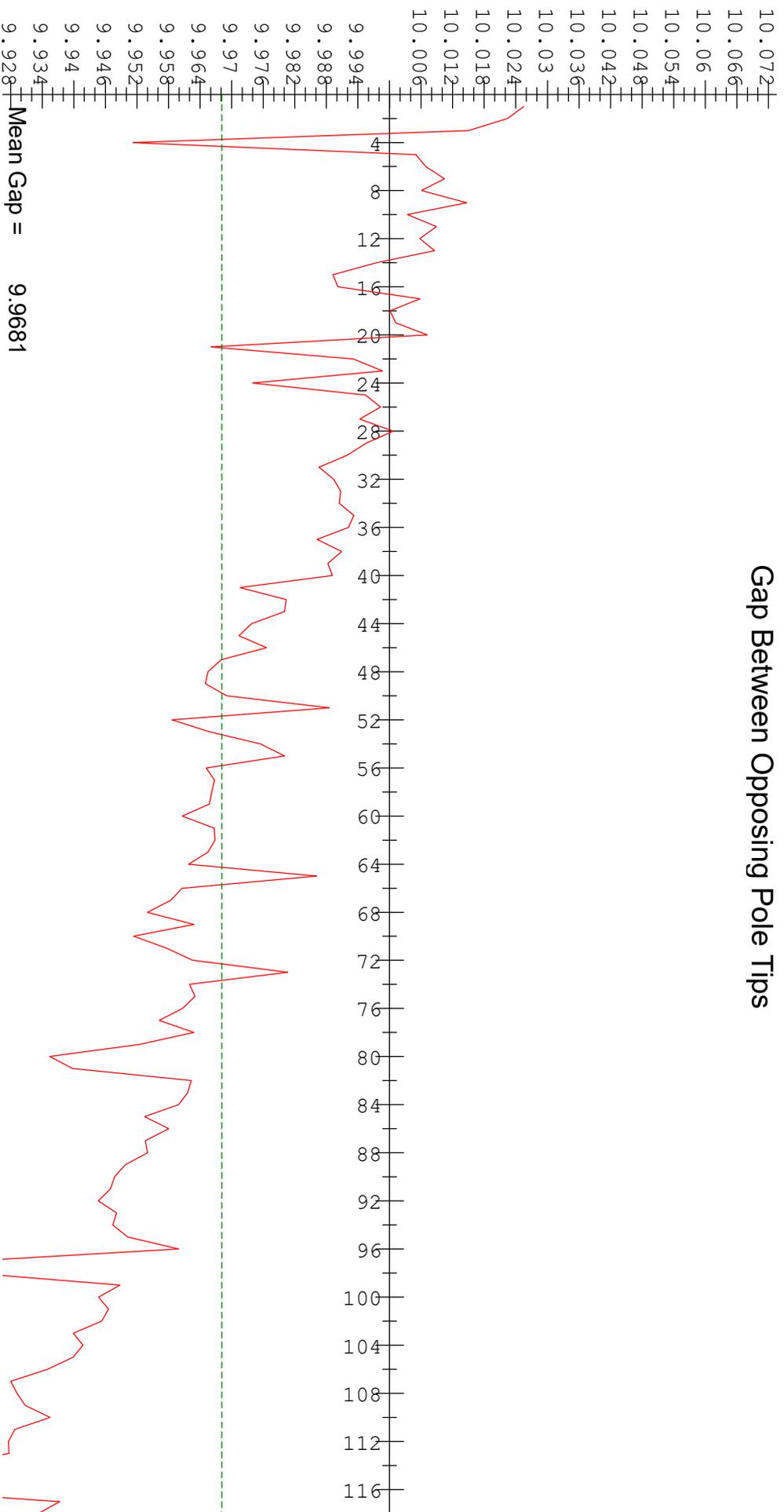
METROLOGY

LCLS II-HE - SXR Undulator

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

10-MAR-2026
S/N = 005
D/S = 0001
Run = 5

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10

Gap Reading = 9.9499

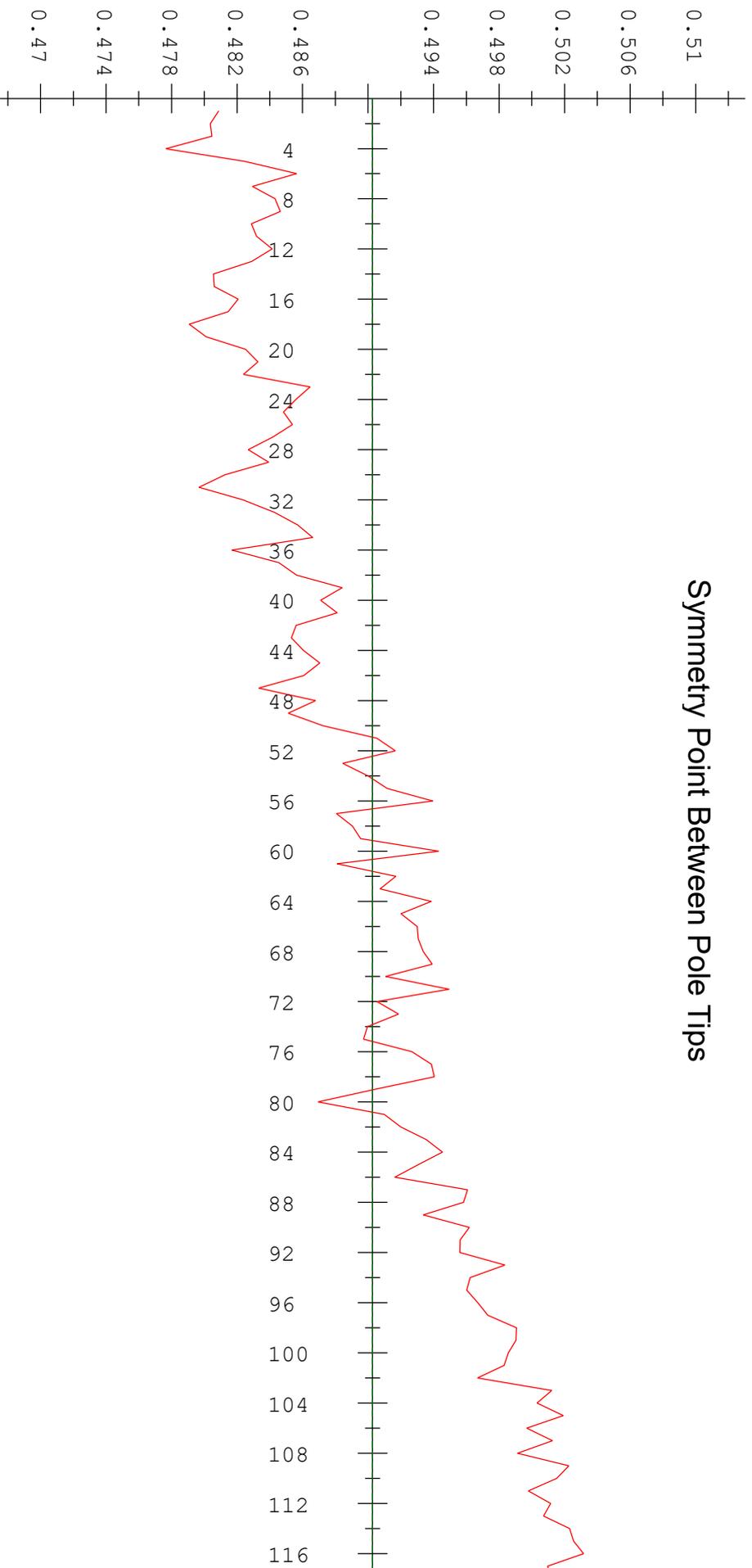
US Encoder = 10.0000

DS Encoder = 9.9000

Nominal Taper = -0.100

10-MAR-2026
S/N = 005
D/S = 0001
Run = 5

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.4903

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

10-MAR-2026
S/N = 005
D/S = 0001
Run = 5

Top and Bottom Jaw Regression Line Intersect Points

Jaw	First Pole <i>(Pole -1)</i>	US Actuator <i>(Pole 28)</i>	DS Actuator <i>(Pole 90)</i>	Last Pole <i>(Pole 118)</i>
Top	5.4844	5.4798	5.4691	5.4642
Bottom	-4.5258	-4.5110	-4.4771	-4.4618
Gap	10.0102			9.9260
Taper				-0.0842

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.4743	-4.4938	9.9681	0.4903

Additional Calculated Values

Bottom Pole #1 Z Value	978.833
Top Jaw Pitch (mrad)	-0.006
Bottom Jaw Pitch(mrad)	0.020
Minimum Effective Gap	9.898
Reference Block Gap	6.798

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

10-MAR-2026
 S/N = 005
 D/S = 0001
 Run = 5