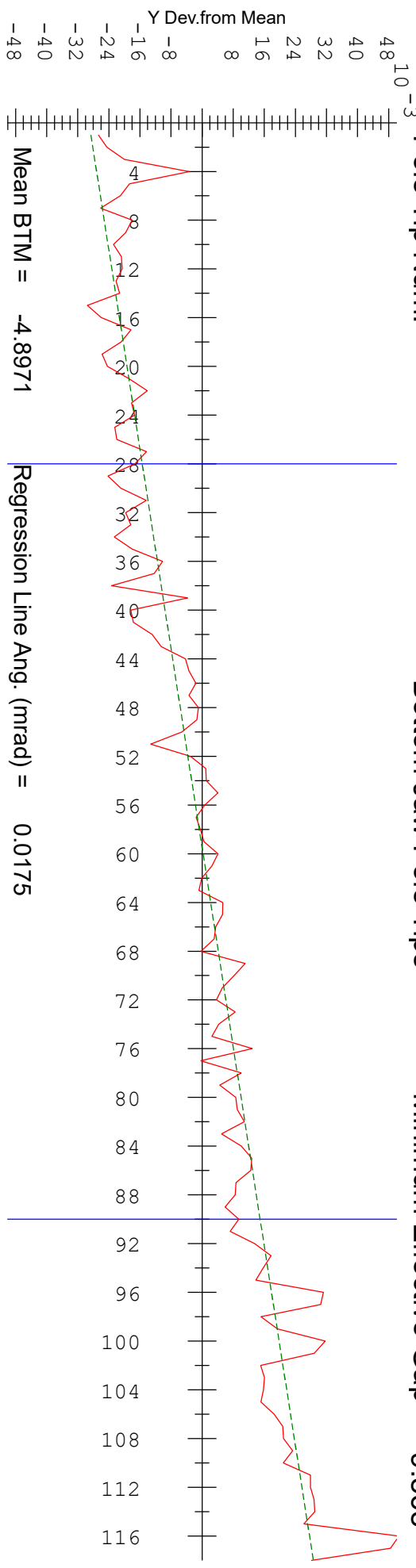
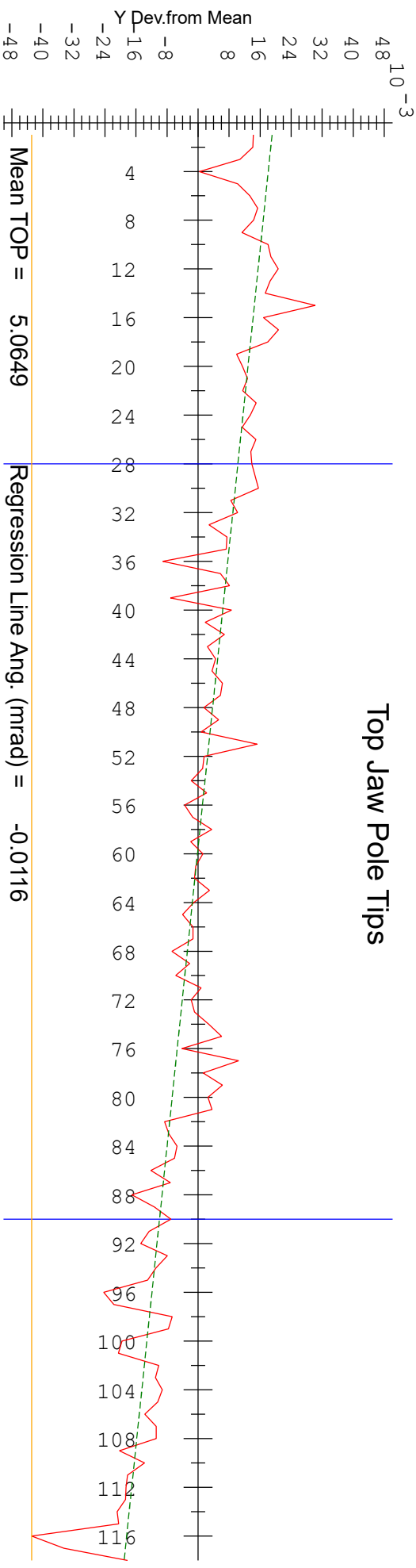




Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

Regression Line Through Points =
Dimensions in mm



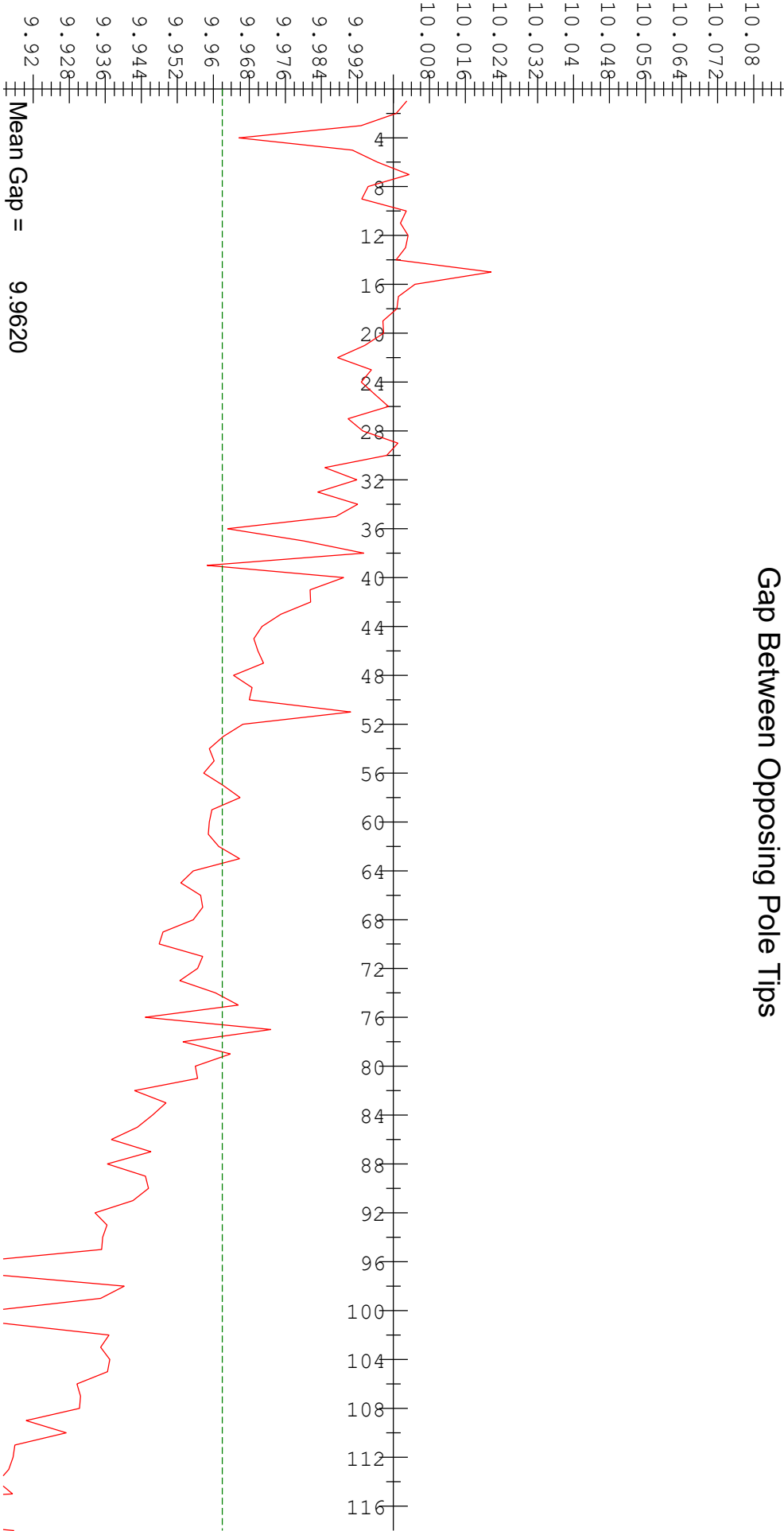
METROLOGY

LCLS II-HE - SXR Undulator

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

08-JUL-2026
S/N = 002
D/S = 0001
Run = 6

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

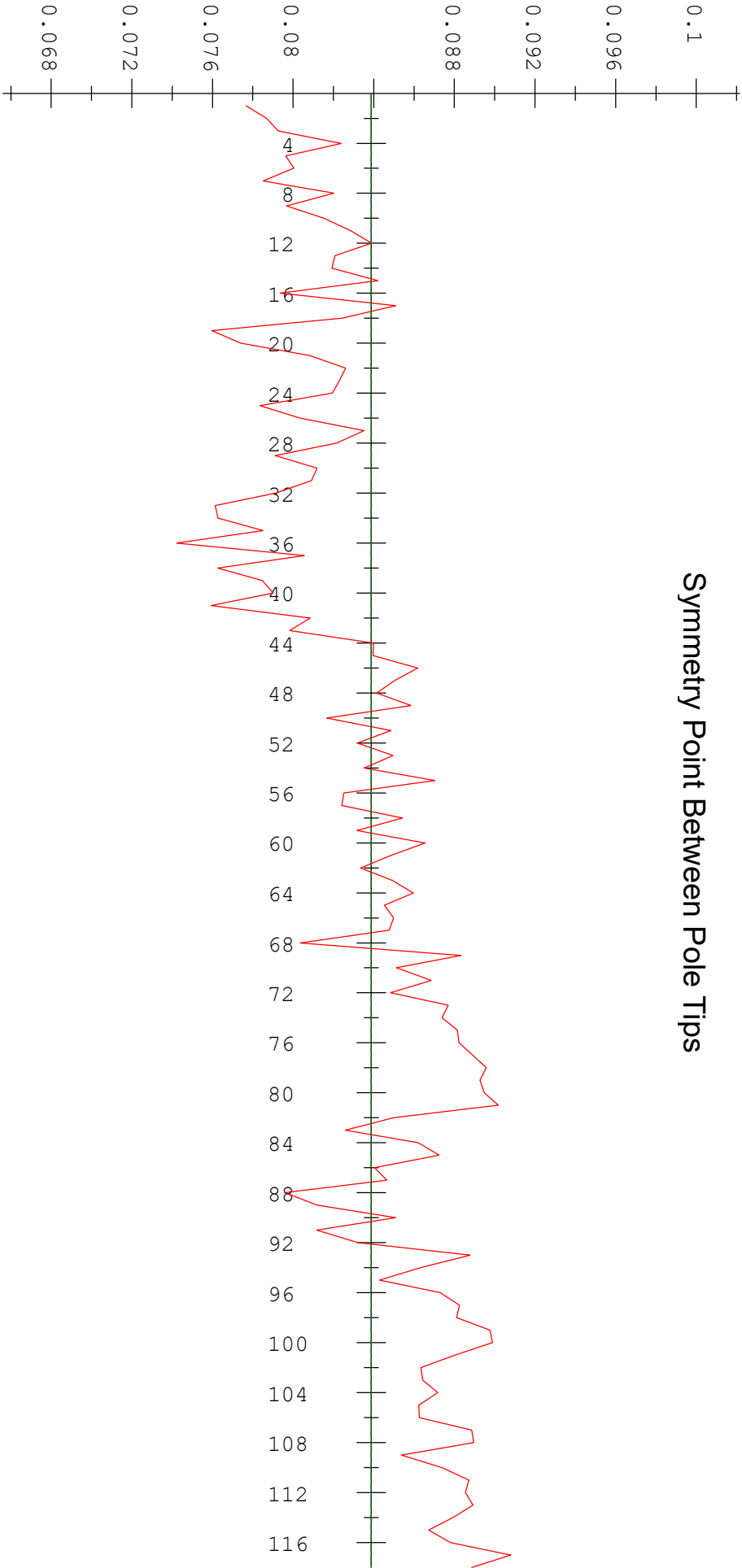
DS Encoder = 9.9000

08-JUL-2026

S/N = 002

D/S = 0001

Run = 6



Mean Symmetry Value = 0.0839

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

08-JUL-2026

S/N = 002

D/S = 0001

Run = 6

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	5.0840	5.0752	5.0549	5.0458
Bottom	-4.9257	-4.9125	-4.8822	-4.8685
Gap	10.0097			9.9143
Taper				-0.0954

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.0649	-4.8971	9.9620	0.0839

Additional Calculated Values

Bottom Pole #1 Z Value	978.426
Top Jaw Pitch (mrad)	-0.012
Bottom Jaw Pitch(mrad)	0.017
Minimum Effective Gap	9.868
Reference Block Gap	6.797

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

08-JUL-2026
S/N = 002
D/S= 0001
Run= 6