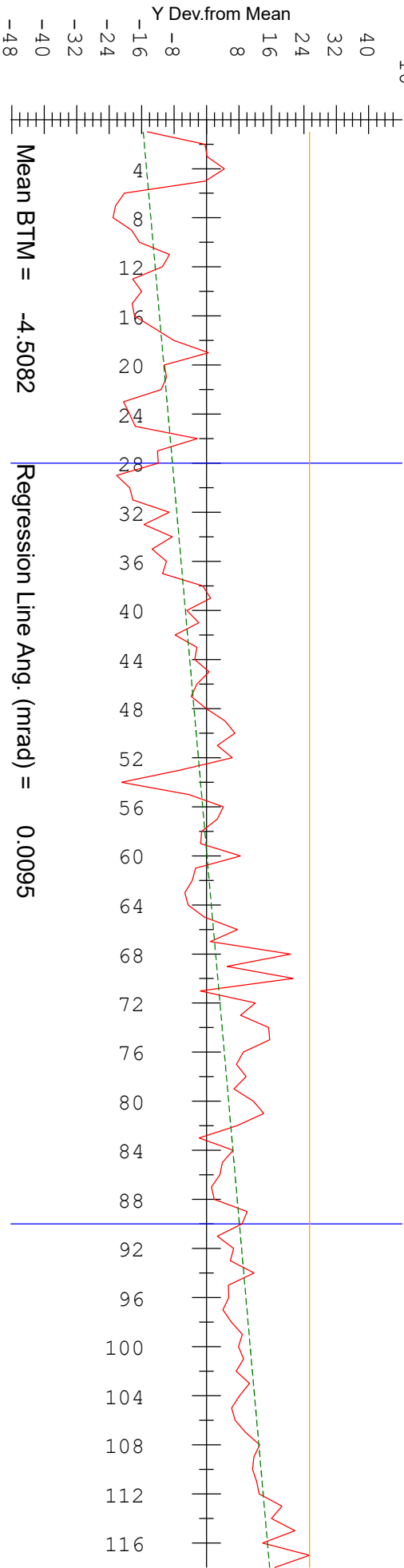
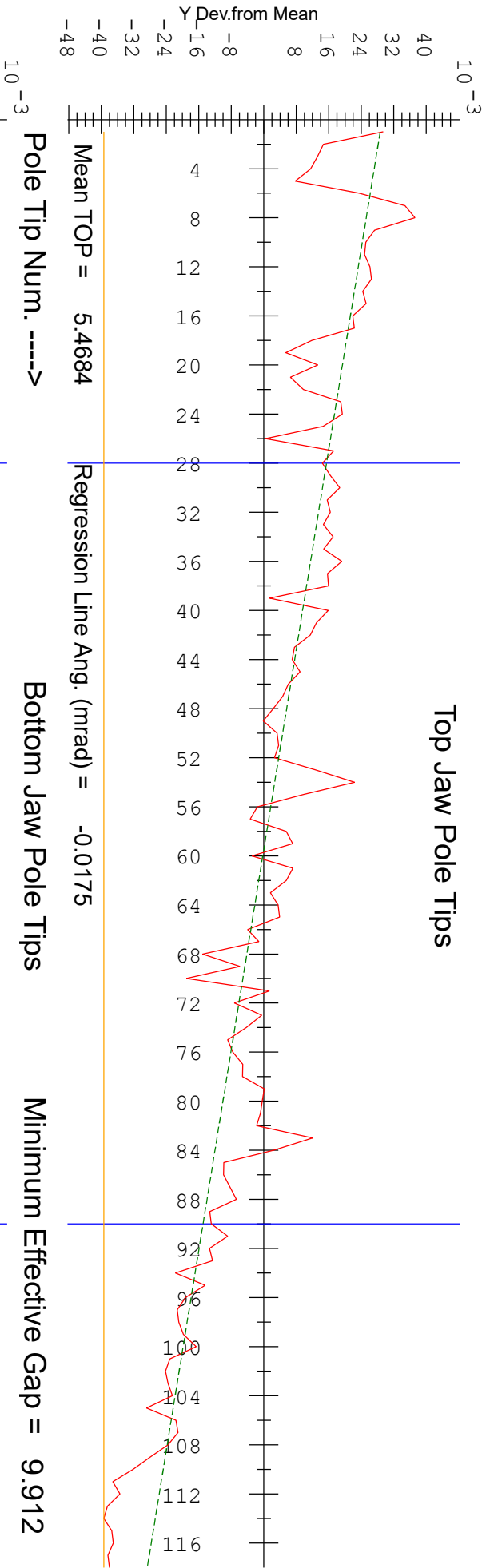




Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

Regression Line Through Points =
Dimensions in mm



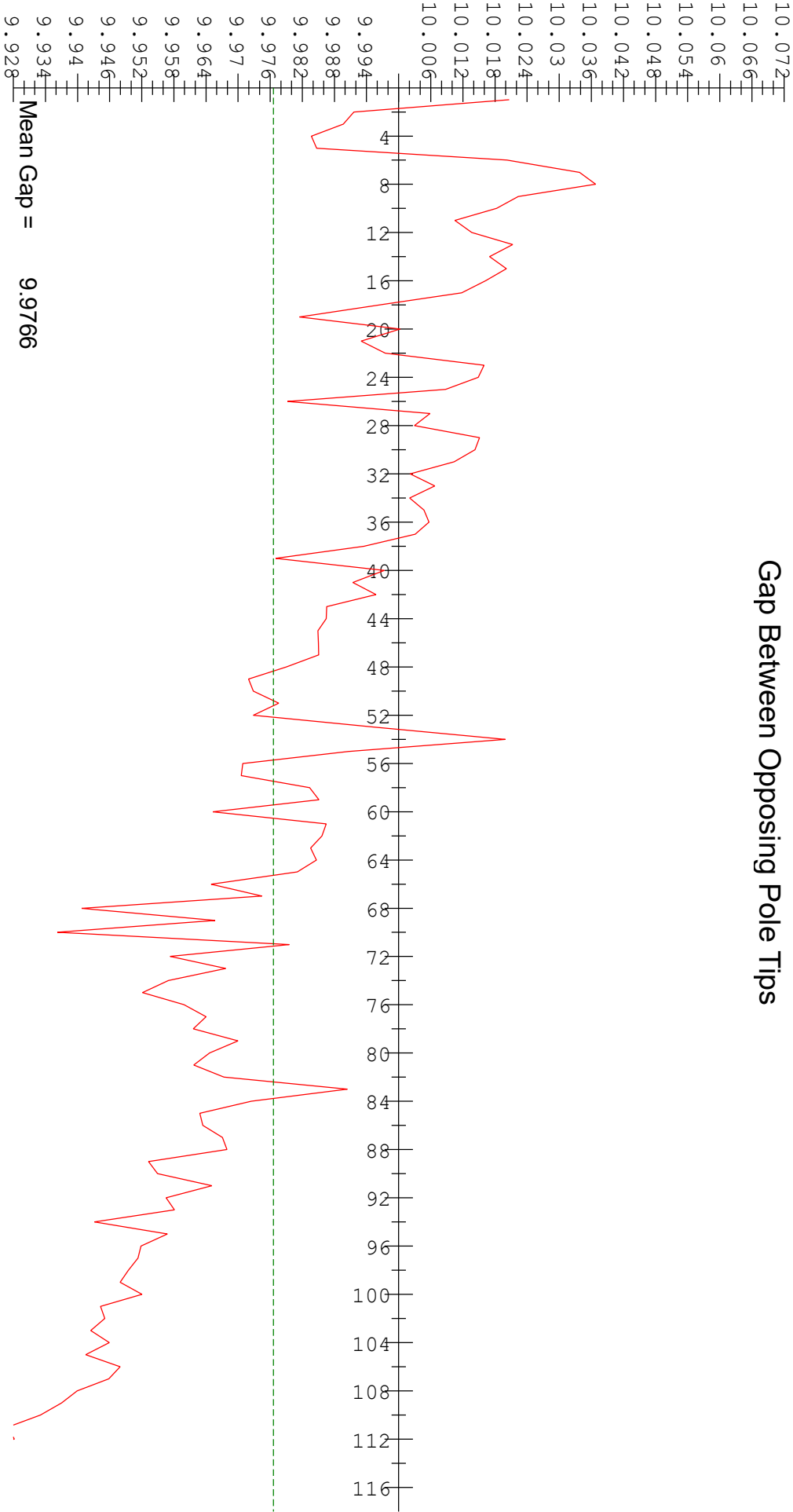
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100
Gap Reading = 9.9500 US Encoder = 10.0000 DS Encoder = 9.9000

17-SEP-2026
S/N = 019
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 = 9.9500

US Encoder = 10.0000

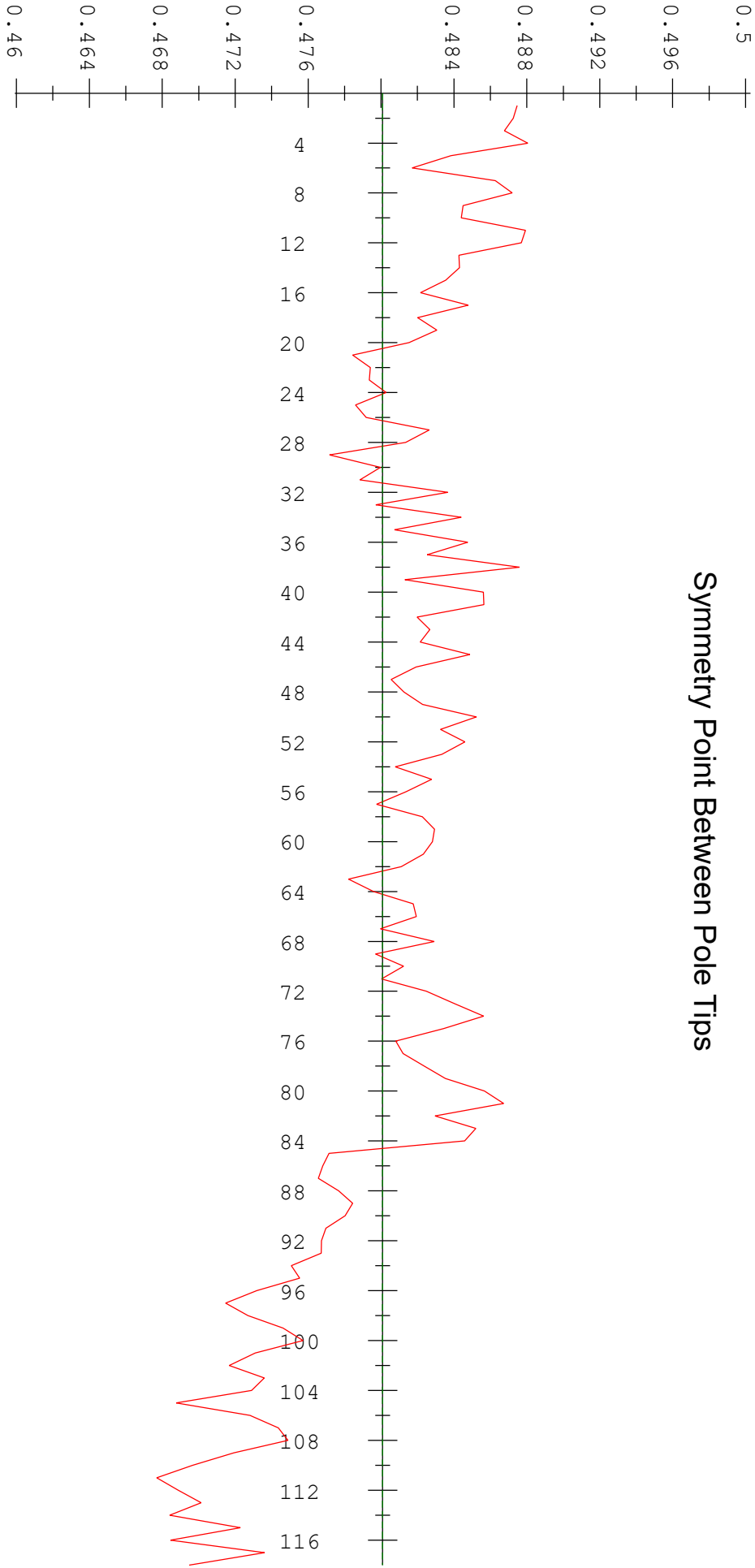
DS Encoder = 9.9000

17-SEP-2026

S/N = 019

D/S = 0001

Run = 3





METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10

Gap Reading = 9.9500

Nominal Taper = -0.100

US Encoder = 10.0000

DS Encoder = 9.9000

17-SEP-2026

S/N = 019

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	5.4971	5.4838	5.4534	5.4397
Bottom	-4.5238	-4.5166	-4.5001	-4.4926
Gap	10.0209			9.9324
Taper				-0.0885

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.4684	-4.5082	9.9766	0.4801

Additional Calculated Values

Bottom Pole #1 Z Value	978.155
Top Jaw Pitch (mrad)	-0.018
Bottom Jaw Pitch(mrad)	0.010
Minimum Effective Gap	9.912
Reference Block Gap	6.800

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100
Gap Reading = 9.9500 US Encoder = 10.0000 DS Encoder = 9.9000

17-SEP-2026
S/N = 019
D/S= 0001
Run= 3