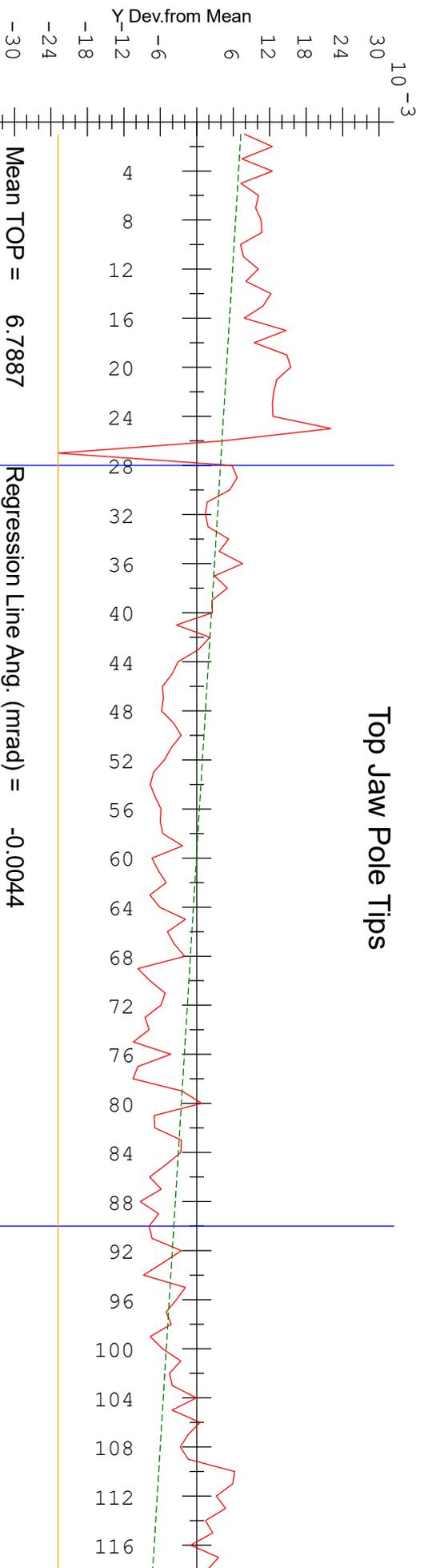
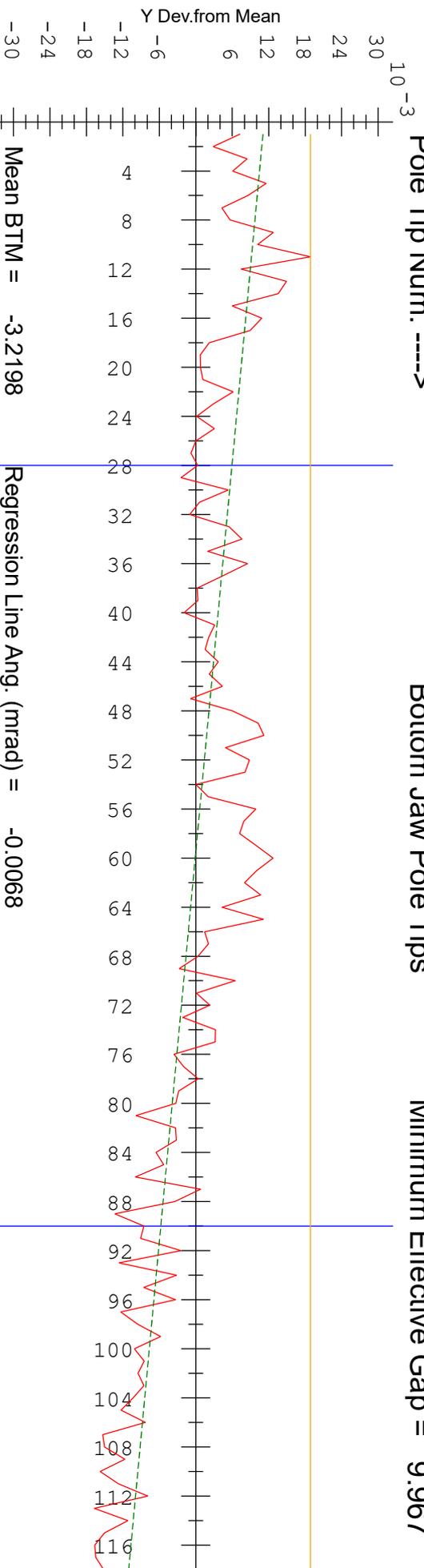


Top Jaw Pole Tips



Pole Tip Num. ---->



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

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



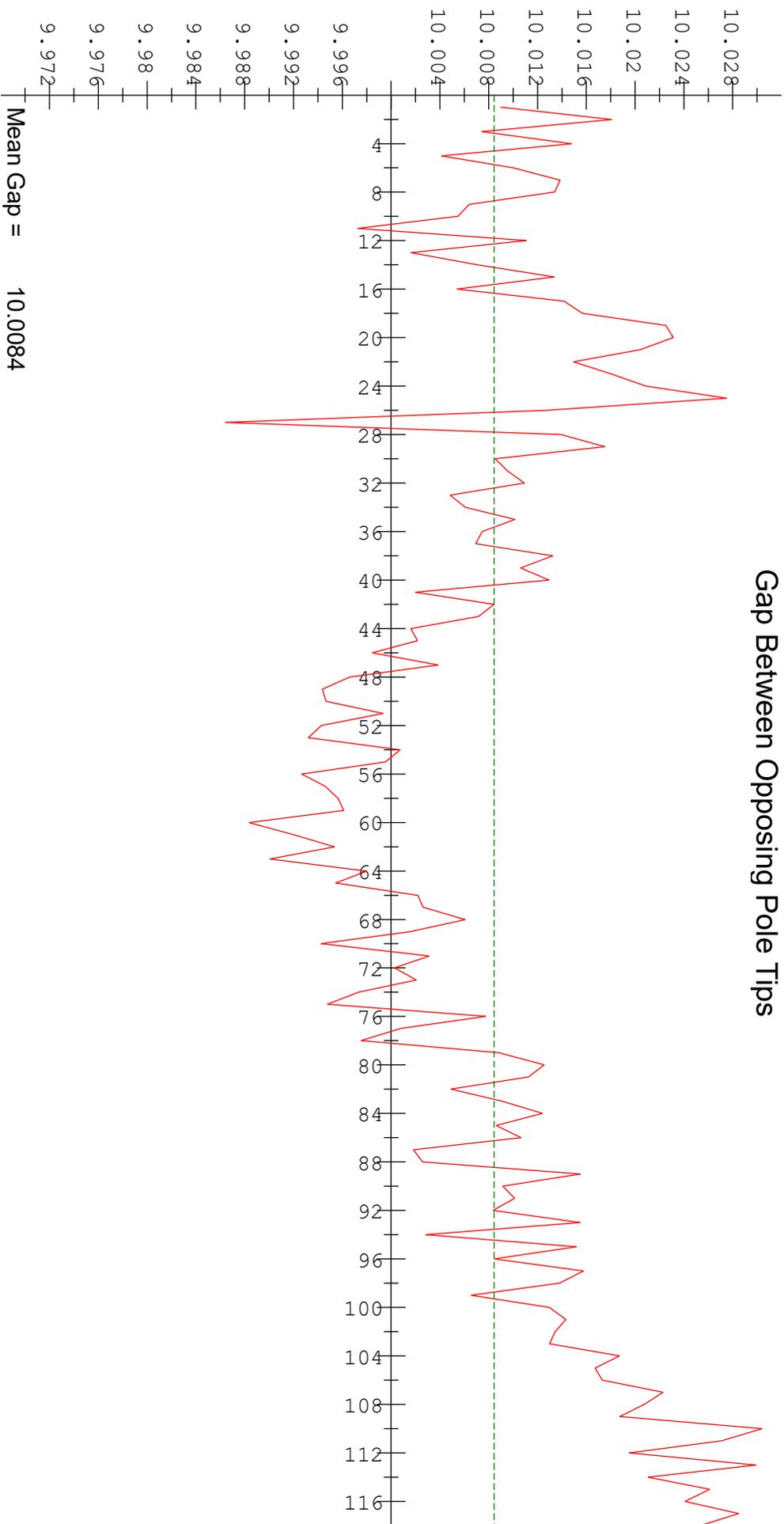
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0004 US Encoder = 10.0002 DS Encoder = 10.0005

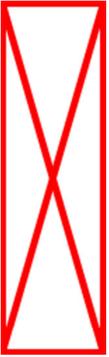
16-JUN-2025
S/N = 006
D/S = 0001
Run = 5

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10

Nominal Taper = 0.000

Gap Reading = 10.0004

US Encoder = 10.0002

DS Encoder = 10.0005

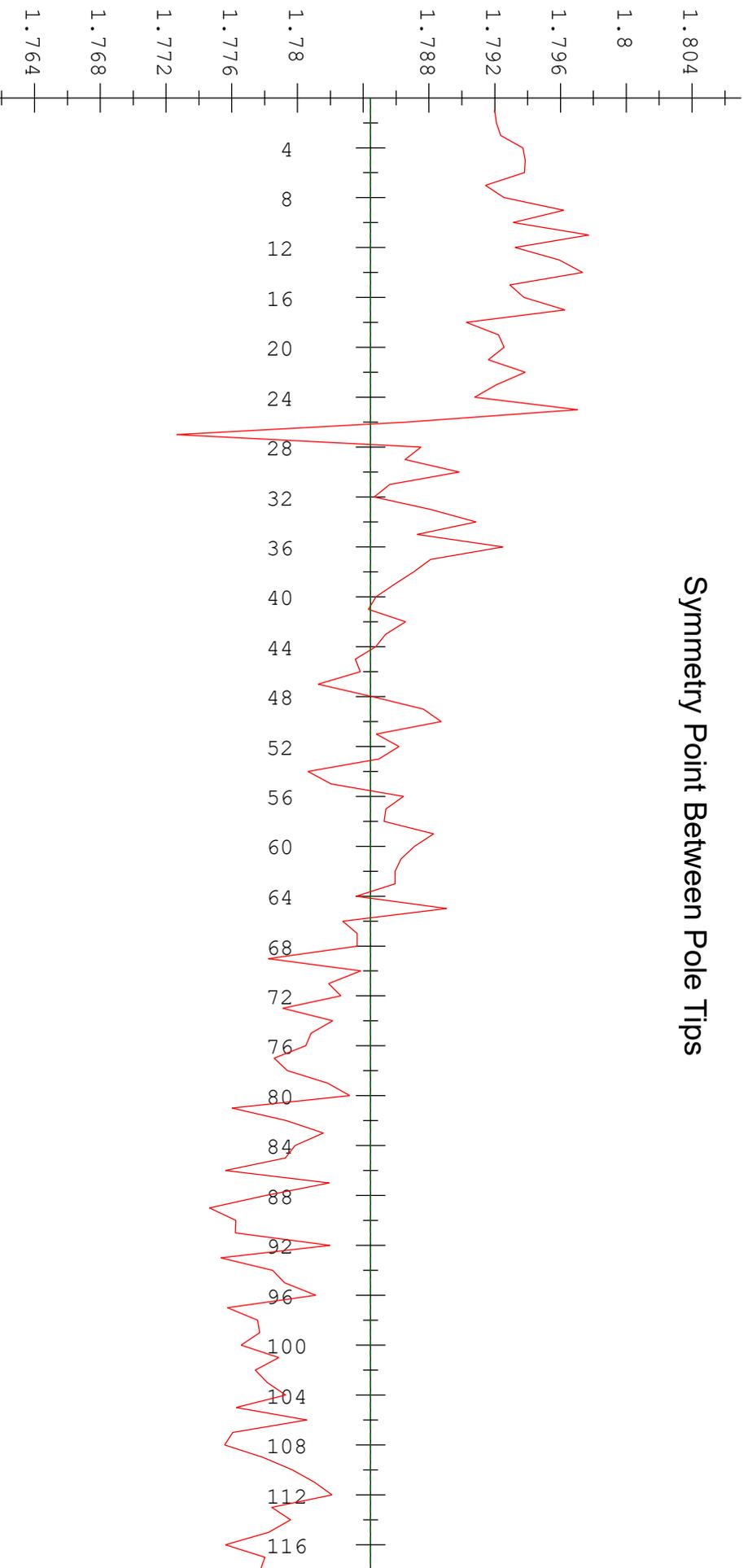
16-JUN-2025

S/N = 006

D/S = 0001

Run = 5

Symmetry Point Between Pole Tips



Mean Symmetry Value = 1.7844

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0004 US Encoder = 10.0002 DS Encoder = 10.0005

16-JUN-2025
S/N = 006
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	6.7959	6.7926	6.7849	6.7814
Bottom	-3.2087	-3.2138	-3.2255	-3.2308
Gap	10.0046			10.0122
Taper				0.0076

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
6.7887	-3.2198	10.0084	1.7844

Additional Calculated Values

Bottom Pole #1 Z Value	978.686
Top Jaw Pitch (mrad)	-0.004
Bottom Jaw Pitch(mrad)	-0.007
Minimum Effective Gap	9.967
Reference Block Gap	6.797

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
 Gap Reading = 10.0004 US Encoder = 10.0002 DS Encoder = 10.0005

16-JUN-2025
 S/N = 006
 D/S = 0001
 Run = 5