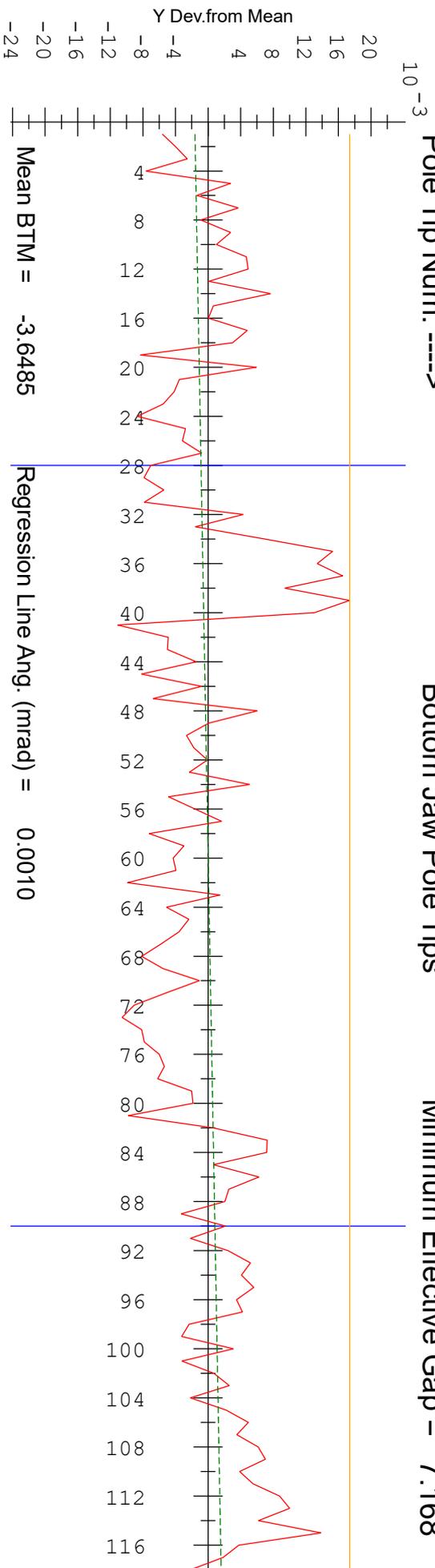
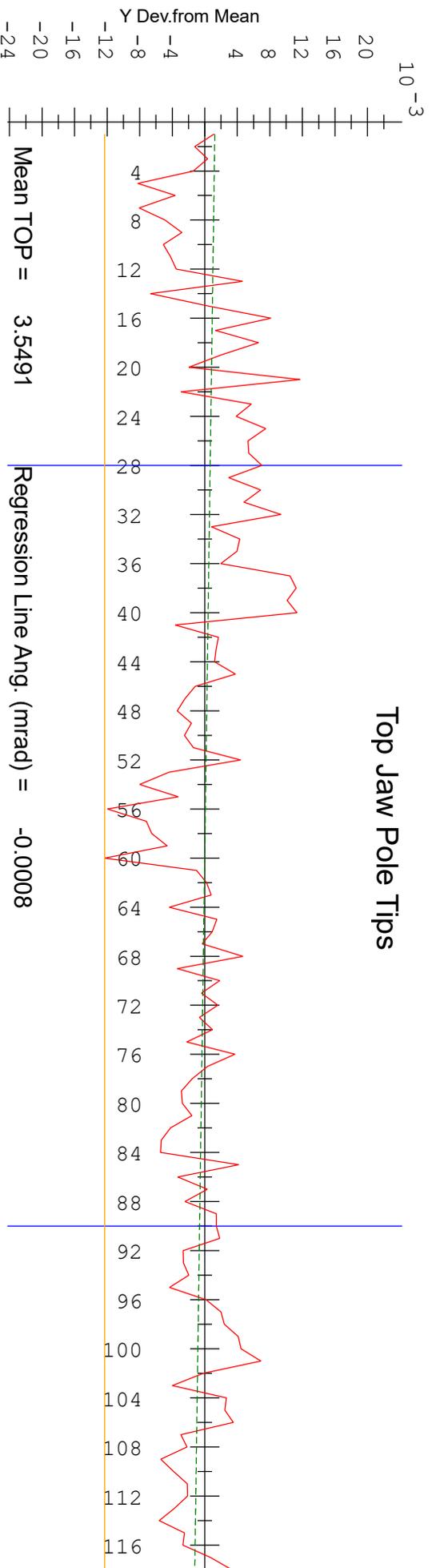


Top Jaw Pole Tips



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

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



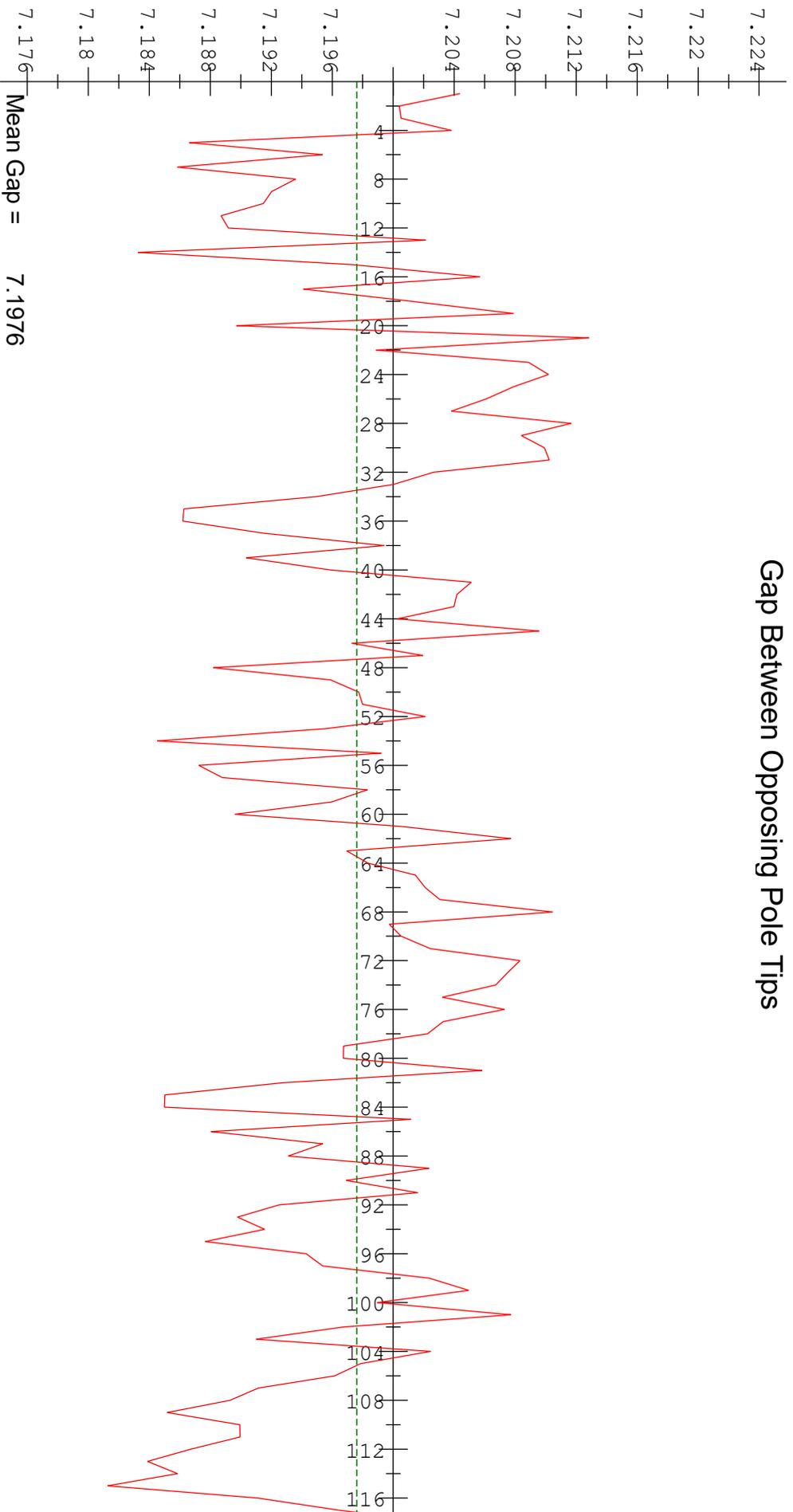
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 7.2 Nominal Taper = 0.000
Gap Reading = 7.2000 US Encoder = 7.2000 DS Encoder = 7.2000

29-AUG-2022
S/N = 000
D/S = 0001
Run = 6

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm

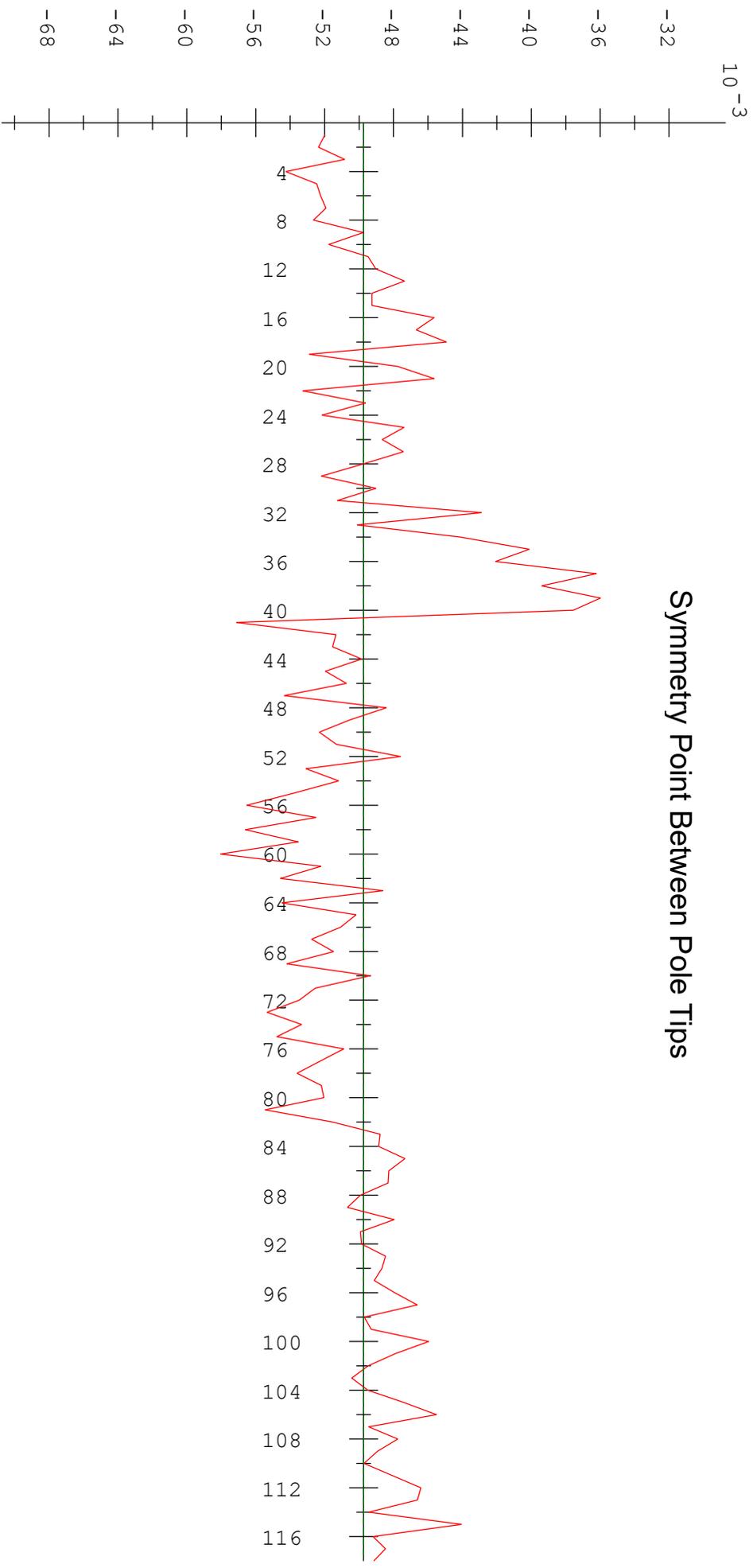


METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 7.2 Nominal Taper = 0.000
Gap Reading = 7.2000 US Encoder = 7.2000 DS Encoder = 7.2000

29-AUG-2022
S/N = 000
D/S = 0001
Run = 6

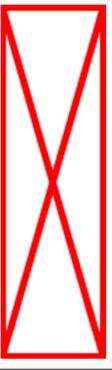


Symmetry Point Between Pole Tips

Mean Symmetry Value = -0.0497

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 7.2 Nominal Taper = 0.000
 Gap Reading = 7.2000 US Encoder = 7.2000 DS Encoder = 7.2000

29-AUG-2022
 S/N = 000
 D/S = 0001
 Run = 6

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	3.5503	3.5497	3.5484	3.5478
Bottom	-3.6502	-3.6494	-3.6477	-3.6469
Gap	7.2005			7.1948
Taper				-0.0057

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
3.5491	-3.6485	7.1976	-0.0497

Additional Calculated Values

Bottom Pole #1 Z Value	974.854
Top Jaw Pitch (mrad)	-0.001
Bottom Jaw Pitch(mrad)	0.001
Minimum Effective Gap	7.168
Reference Block Gap	6.801

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 7.2 Nominal Taper = 0.000
 Gap Reading = 7.2000 US Encoder = 7.2000 DS Encoder = 7.2000

29-AUG-2022
 S/N = 000
 D/S = 0001
 Run = 6