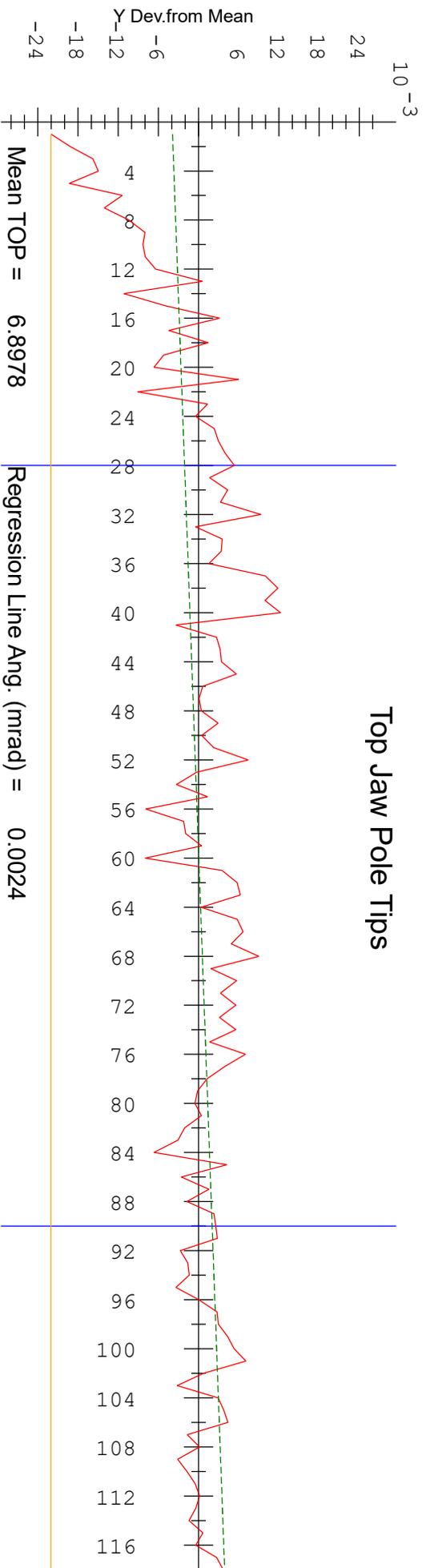


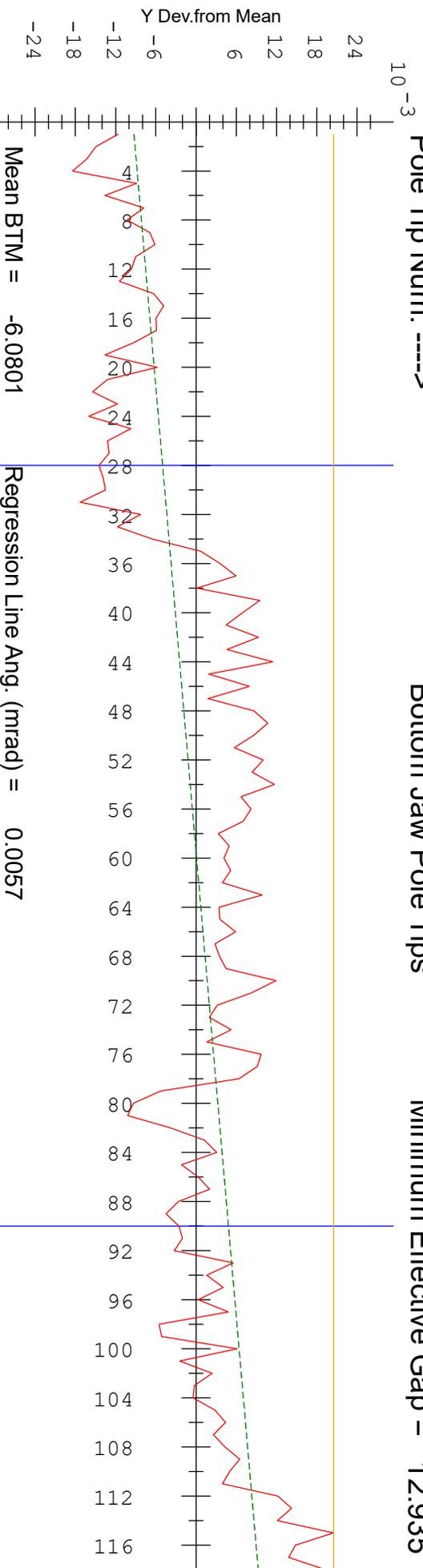
Top Jaw Pole Tips



Pole Tip Num. ---->

Bottom Jaw Pole Tips

Minimum Effective Gap = 12.935



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

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



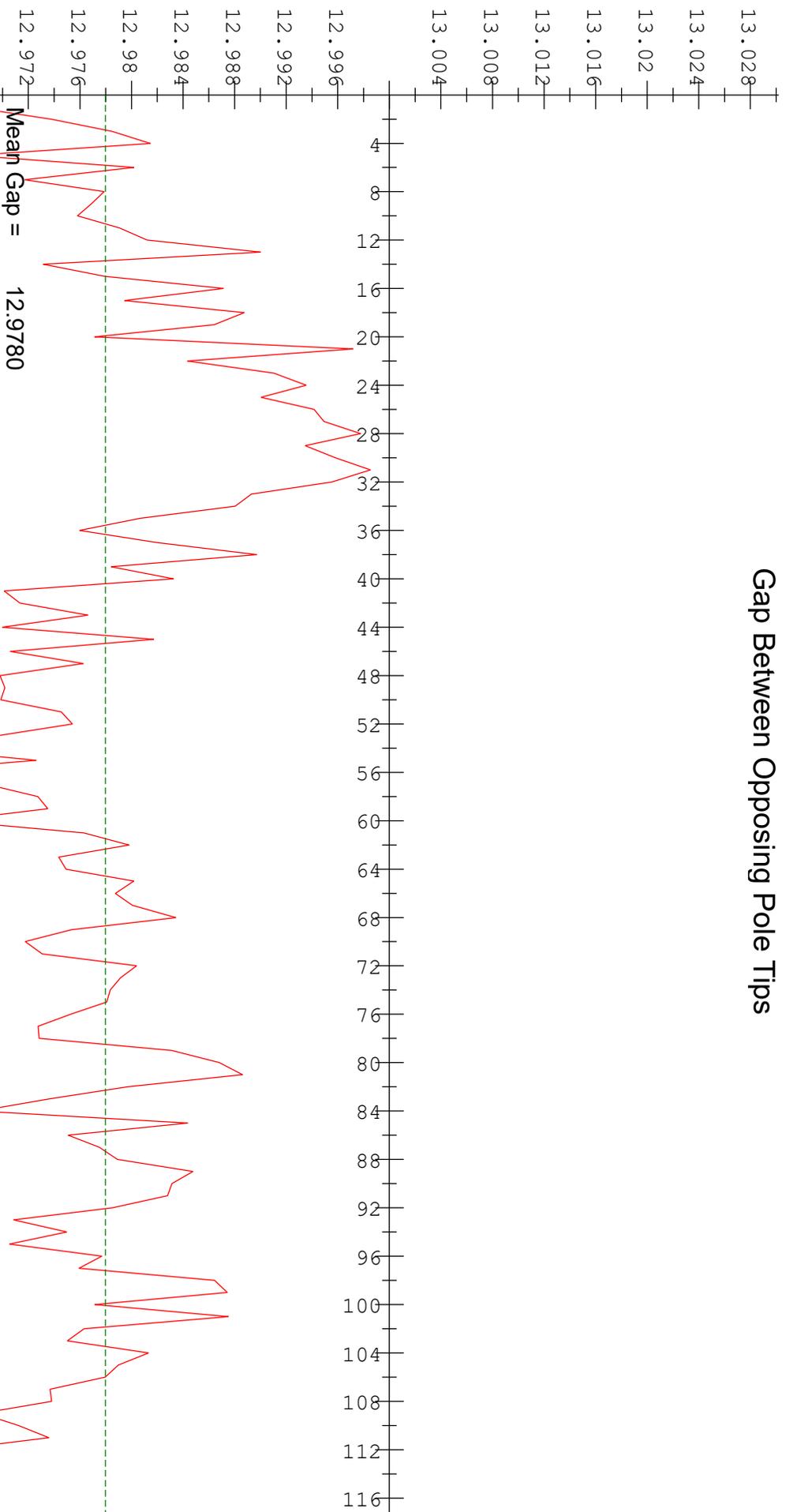
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 13 Nominal Taper = 0.000
Gap Reading = 13.0001 US Encoder = 13.0002 DS Encoder = 13.0001

25-AUG-2022
S/N = 000
D/S = 0001
Run = 2

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



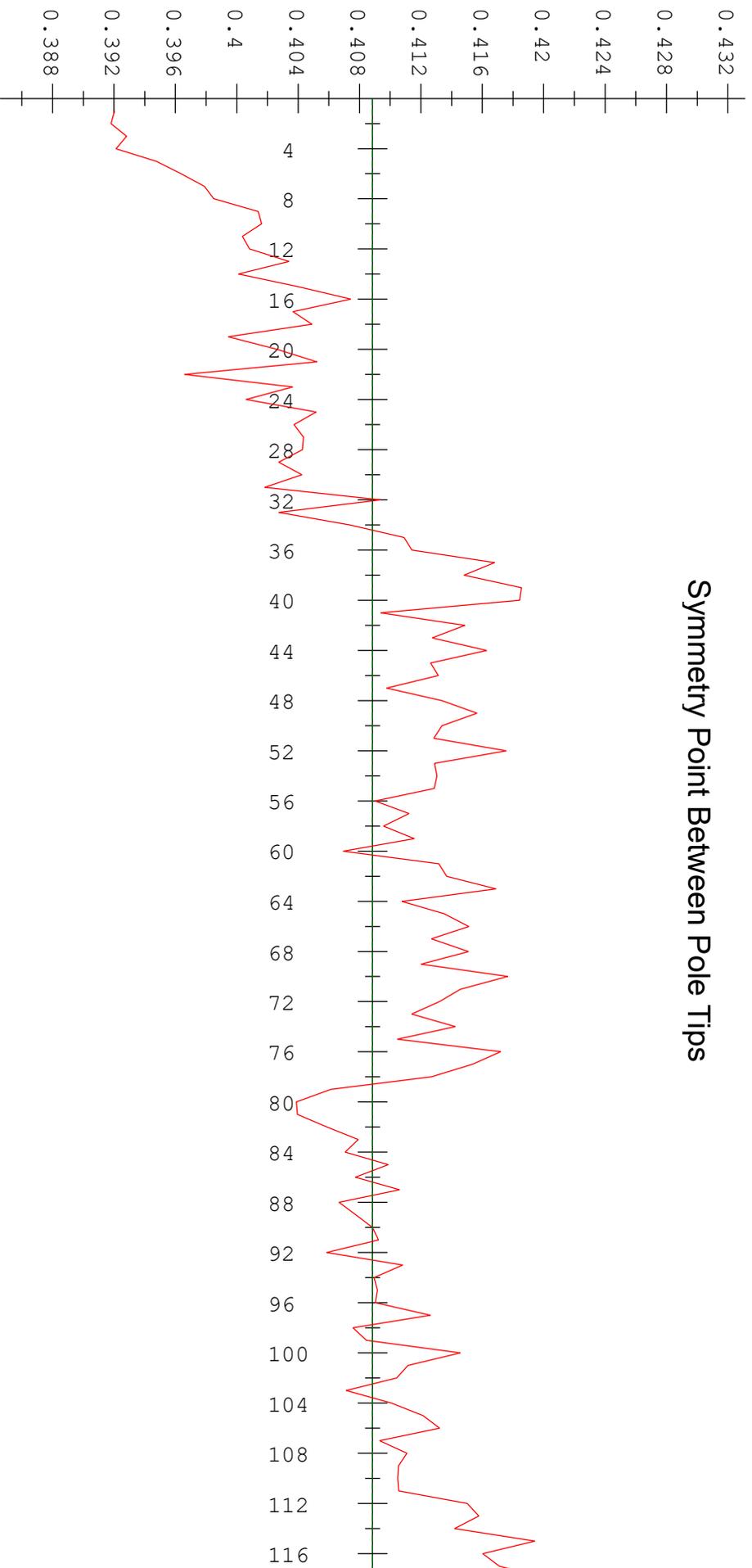
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 13
Nominal Taper = 0.000
Gap Reading = 13.0001
US Encoder = 13.0002
DS Encoder = 13.0001

25-AUG-2022
S/N = 000
D/S = 0001
Run = 2

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.4088

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 13
Nominal Taper = 0.000
Gap Reading = 13.0001
US Encoder = 13.0002
DS Encoder = 13.0001

25-AUG-2022
S/N = 000
D/S = 0001
Run = 2

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	6.8939	6.8957	6.8999	6.9017
Bottom	-6.0894	-6.0851	-6.0753	-6.0709
Gap	12.9834			12.9726
Taper				-0.0108

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
6.8978	-6.0801	12.9780	0.4088

Additional Calculated Values

Bottom Pole #1 Z Value	974.815
Top Jaw Pitch (mrad)	0.002
Bottom Jaw Pitch(mrad)	0.006
Minimum Effective Gap	12.935
Reference Block Gap	6.804

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 13 Nominal Taper = 0.000
 Gap Reading = 13.0001 US Encoder = 13.0002 DS Encoder = 13.0001

25-AUG-2022
 S/N = 000
 D/S = 0001
 Run = 2