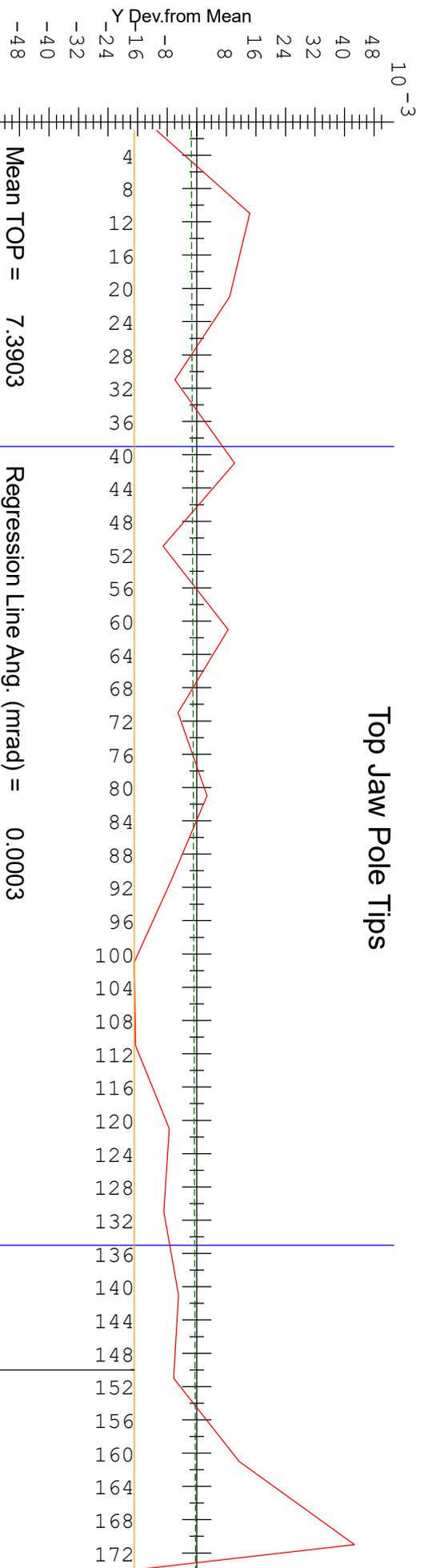


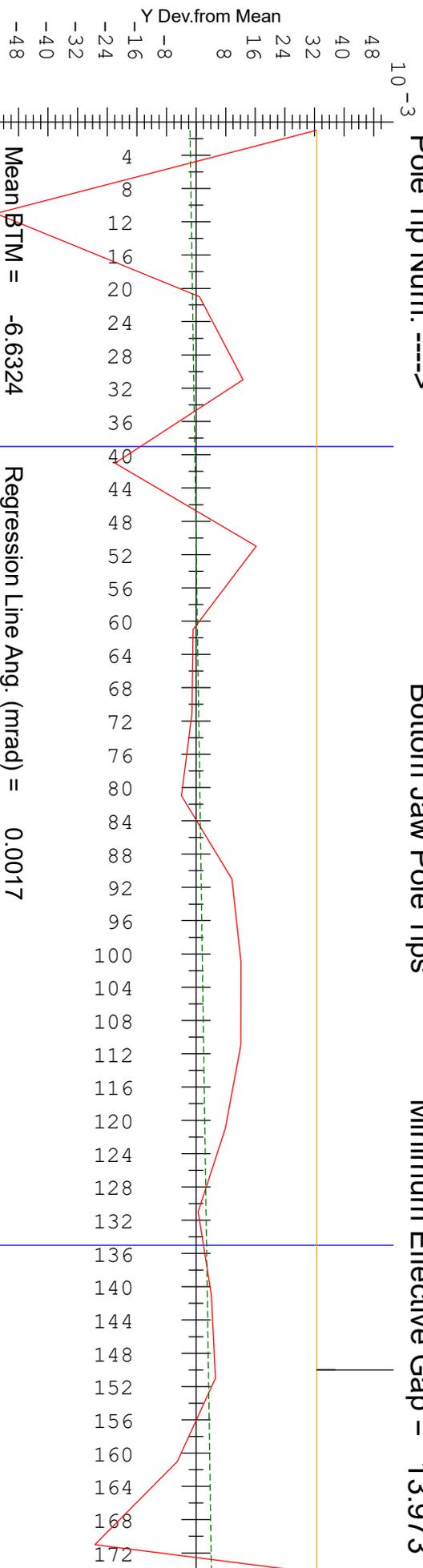
Top Jaw Pole Tips



Pole Tip Num. ---->

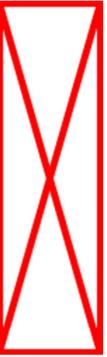
Bottom Jaw Pole Tips

Minimum Effective Gap = 13.973



Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 10

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



METROLOGY

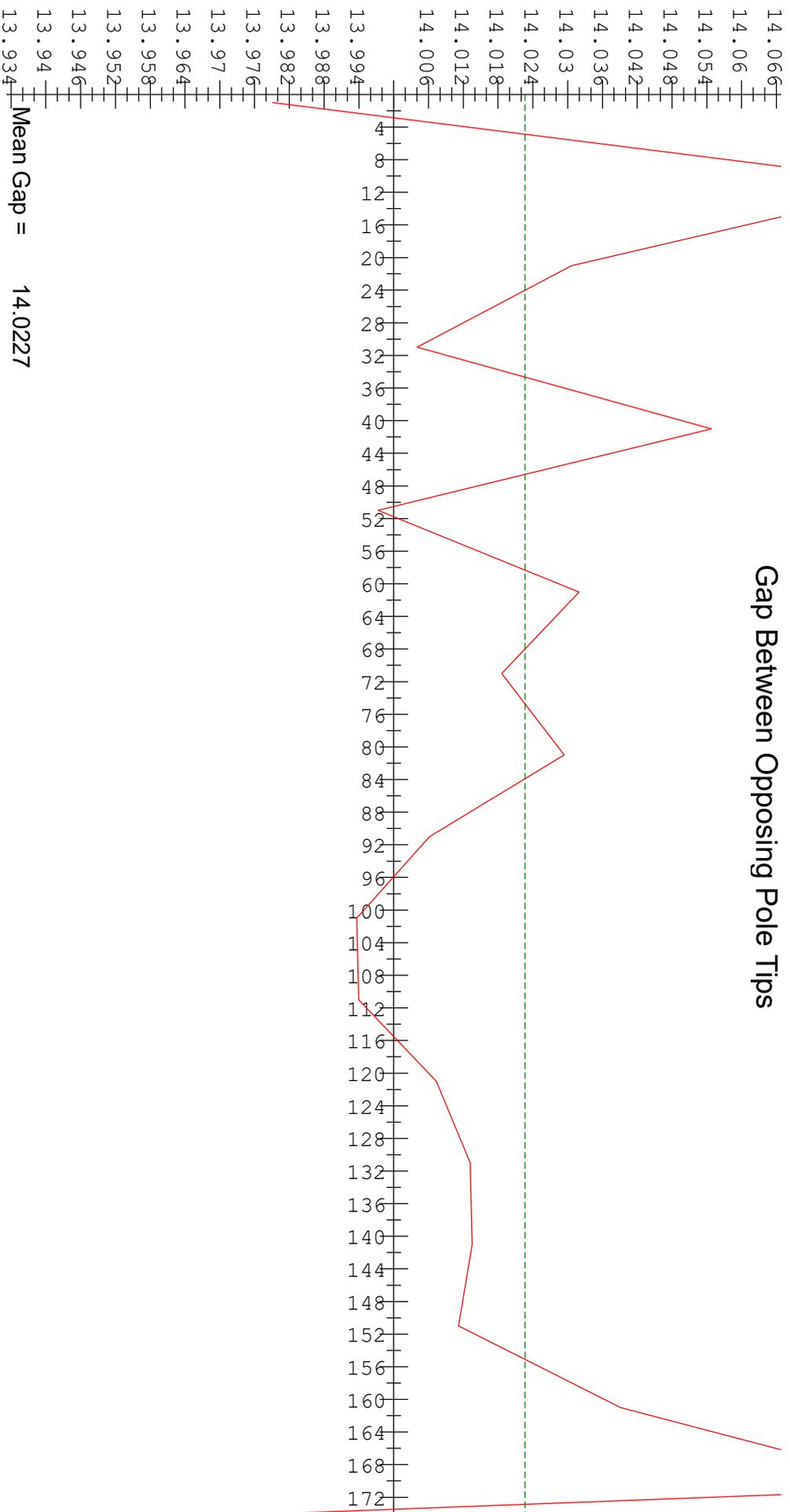
LCLS II - SXR Undulator

Nominal Gap = 14
Gap Reading = 14.0000
US Encoder = 14.0000

Nominal Taper = 0.000
DS Encoder = 14.0000

11-AUG-2021
S/N = 021
D/S = 0002
Run = 22

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 10

Dimensions in mm



METROLOGY

LCLS II - SXR Undulator

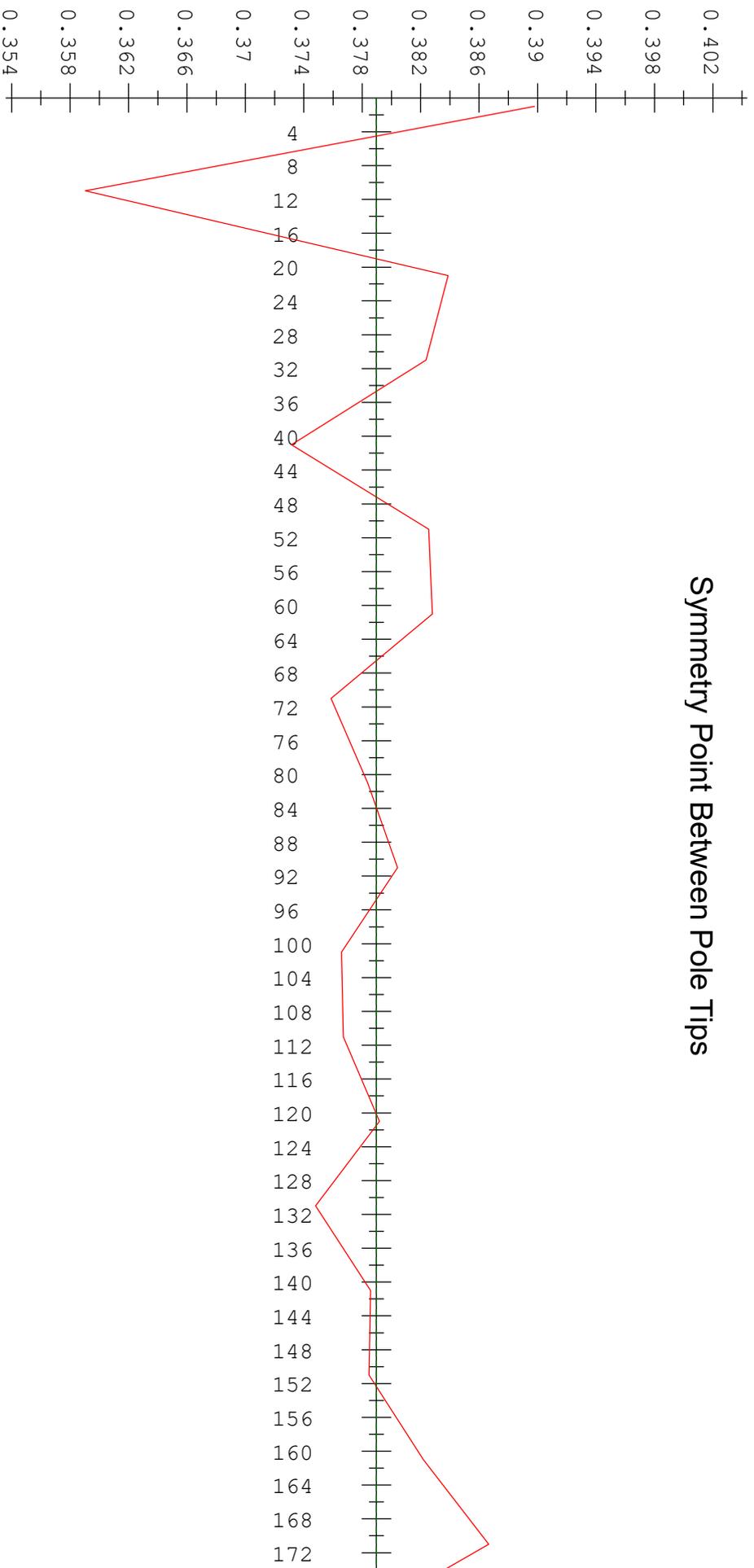
Nominal Gap = 14 US Encoder = 14.0000

Nominal Taper = 0.000 DS Encoder = 14.0000

Gap Reading = 14.0000

11-AUG-2021
S/N = 021
D/S = 0002
Run = 22

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.3790

Step Between Measured Pole Tips = 10

Dimensions in mm



METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 14 US Encoder = 14.0000
Nominal Taper = 0.000 DS Encoder = 14.0000
Gap Reading = 14.0000

11-AUG-2021
S/N = 021
D/S = 0002
Run = 22

Top and Bottom Jaw Regression Line Intersect Points

Jaw	First Pole <i>(Pole -1)</i>	US Actuator <i>(Pole 39)</i>	DS Actuator <i>(Pole 135)</i>	Last Pole <i>(Pole 174)</i>
Top	7.3888	7.3891	7.3897	7.3900
Bottom	-6.6340	-6.6327	-6.6295	-6.6282
Gap	14.0228			14.0182
Taper				-0.0046

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
7.3903	-6.6324	14.0227	0.3790

Additional Calculated Values

Bottom Pole #1 Z Value	980.195
Top Jaw Pitch (mrad)	0.000
Bottom Jaw Pitch(mrad)	0.002
Minimum Effective Gap	13.973
Reference Block Gap	6.800

Dimensions in mm



METROLOGY

LCLS II - SXR Undulator

Nominal Gap = 14 US Encoder = 14.0000 Nominal Taper = 0.000
Gap Reading = 14.0000 DS Encoder = 14.0000

11-AUG-2021
S/N = 021
D/S = 0002
Run = 22