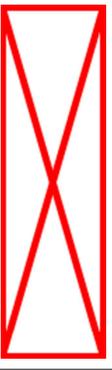


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 1

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

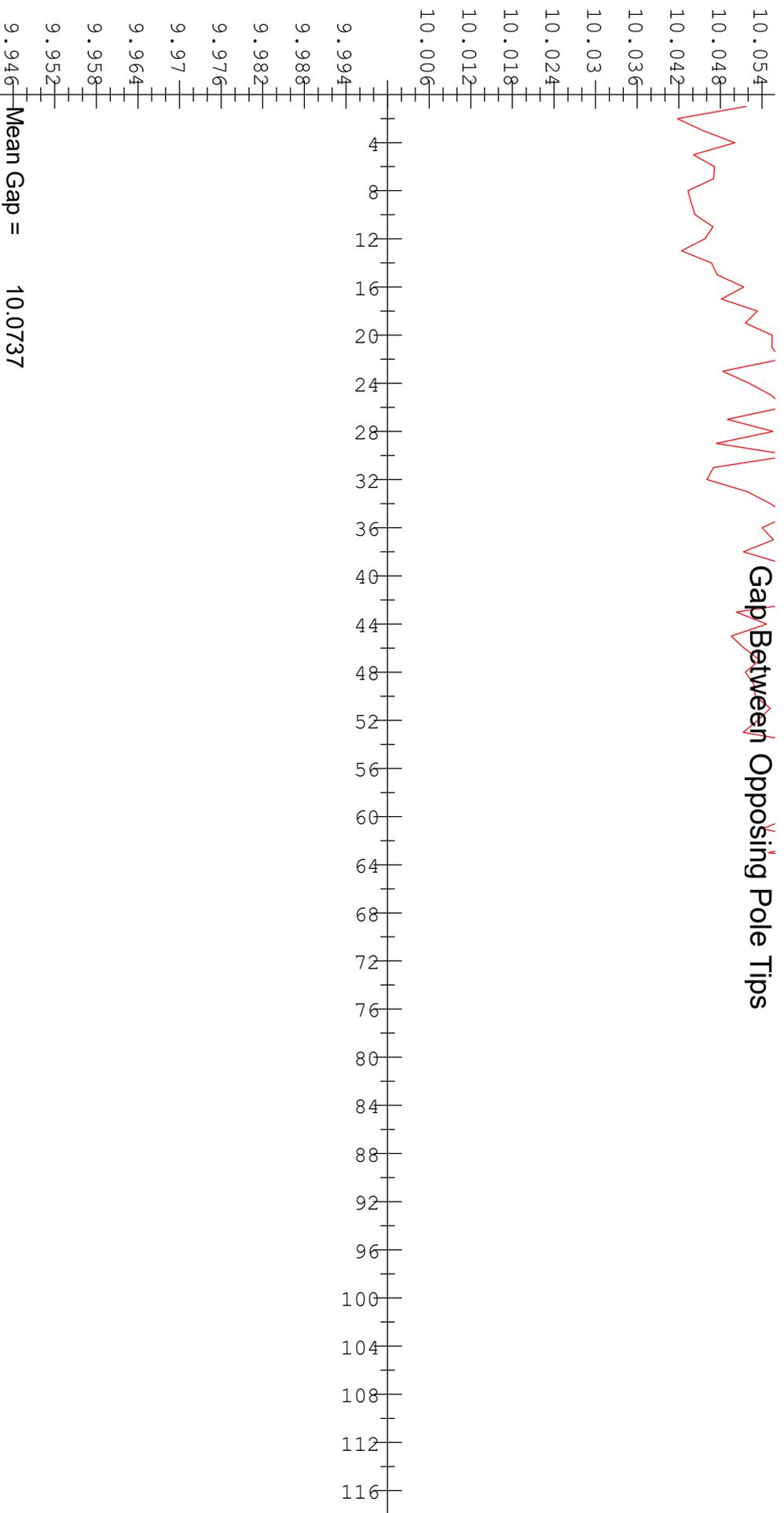


METROLOGY

LCLS II-HE - SXR Undulator

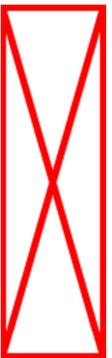
Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0003 US Encoder = 10.0002 DS Encoder = 10.0003

21-AUG-2025
S/N = 004
D/S = 0001
Run = 2



Step Between Measured Pole Tips = 1

Dimensions in mm



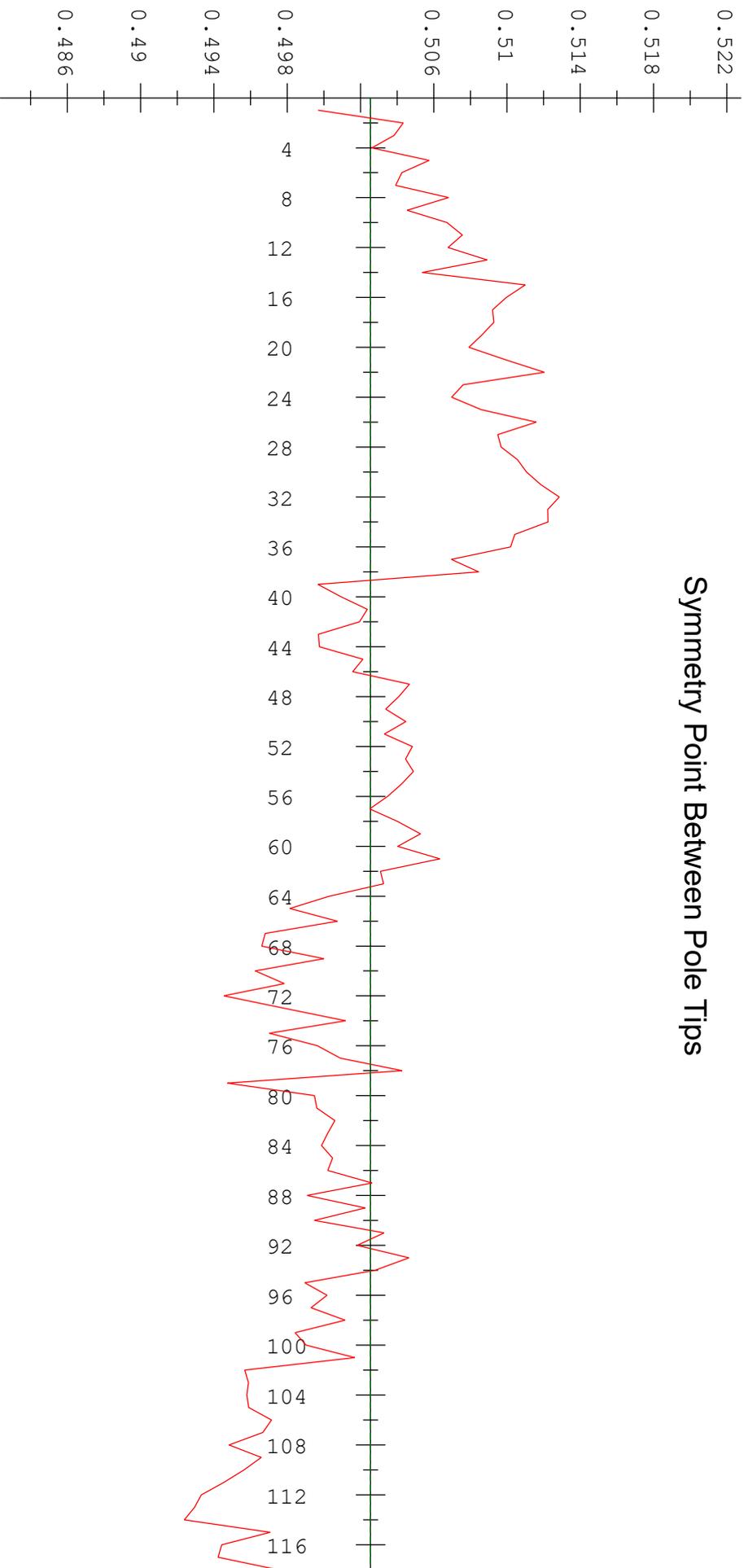
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
 Gap Reading = 10.0003 US Encoder = 10.0002 DS Encoder = 10.0003

21-AUG-2025
 S/N = 004
 D/S = 0001
 Run = 2

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.5026

Step Between Measured Pole Tips = 1

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
Gap Reading = 10.0003 US Encoder = 10.0002 DS Encoder = 10.0003

21-AUG-2025
S/N = 004
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	5.5248	5.5316	5.5470	5.5539
Bottom	-4.5063	-4.5192	-4.5489	-4.5622
Gap	10.0312			10.1162
Taper				0.0850

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
5.5394	-4.5343	10.0737	0.5026

Additional Calculated Values

Bottom Pole #1 Z Value	978.855
Top Jaw Pitch (mrad)	0.009
Bottom Jaw Pitch(mrad)	-0.017
Minimum Effective Gap	10.035
Reference Block Gap	6.795

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
 Gap Reading = 10.0003 US Encoder = 10.0002 DS Encoder = 10.0003

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 Run = 2