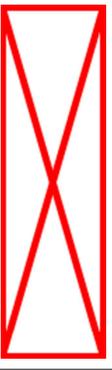


Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips = 7

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



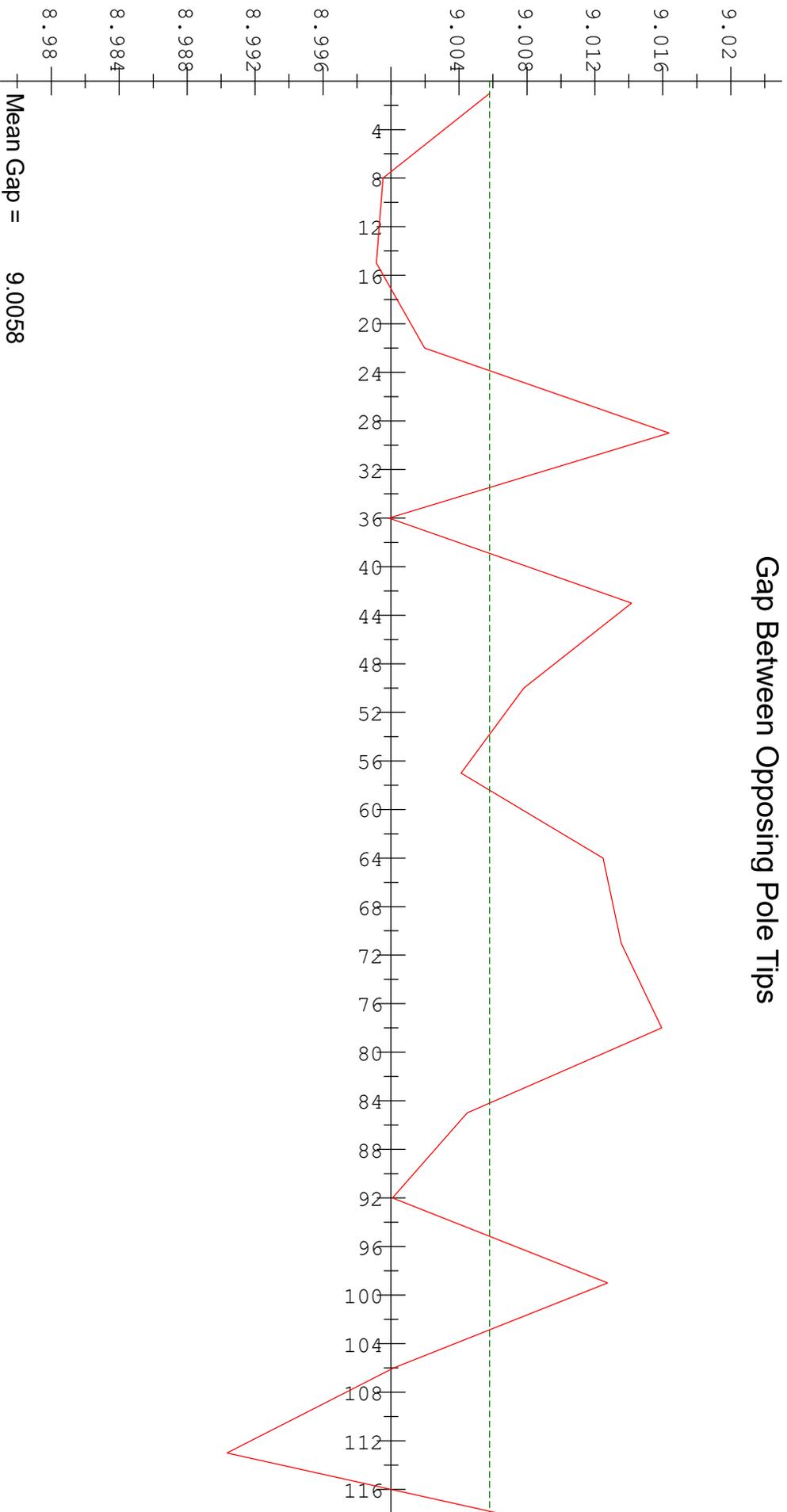
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 9 Nominal Taper = 0.000
Gap Reading = 9.0000 US Encoder = 9.0000 DS Encoder = 9.0000

29-AUG-2022
S/N = 000
D/S = 0001
Run = 7

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 7

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 9

Gap Reading = 9.0000

US Encoder = 9.0000

DS Encoder = 9.0000

Nominal Taper = 0.000

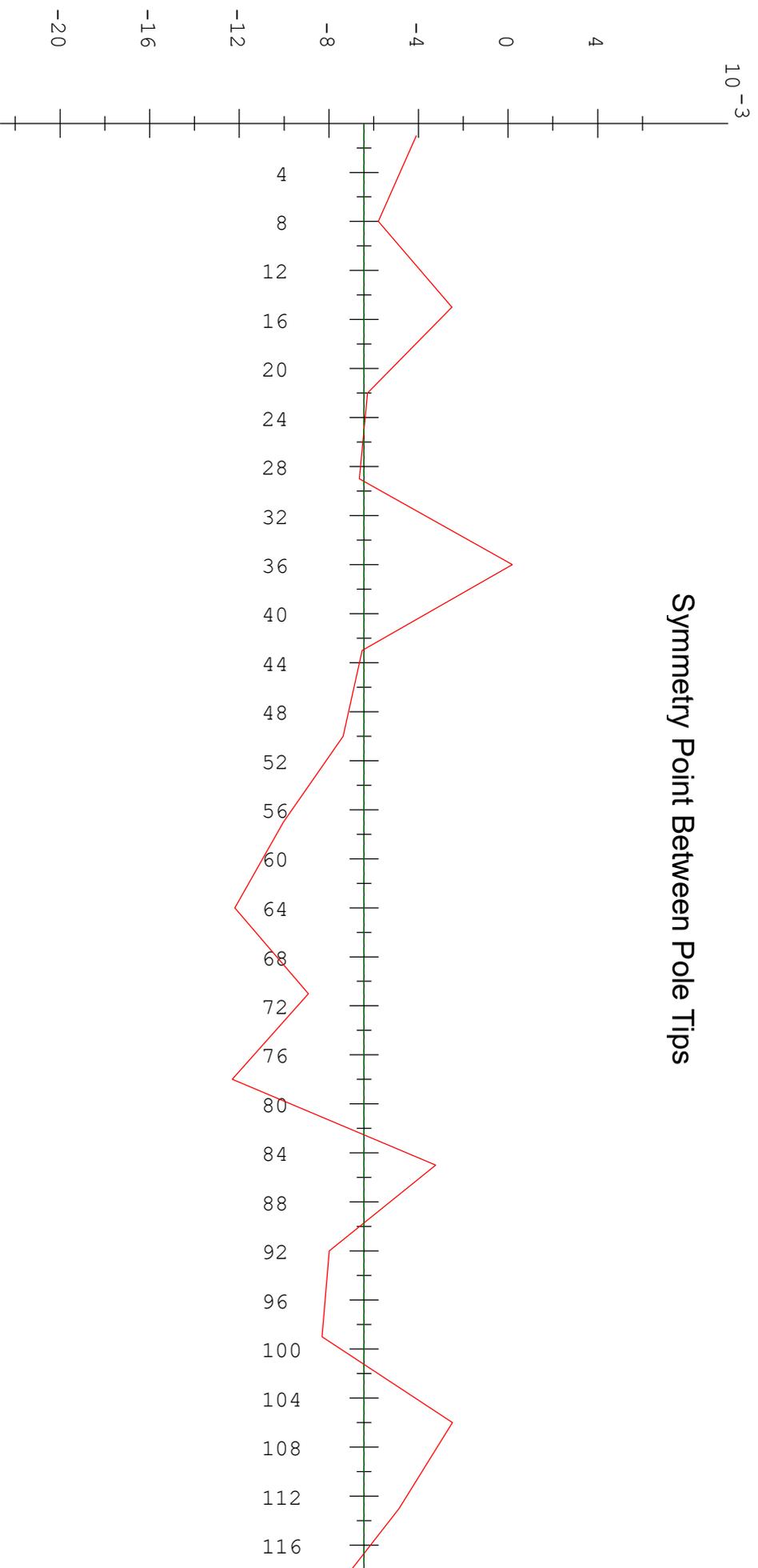
29-AUG-2022

S/N = 000

D/S = 0001

Run = 7

Symmetry Point Between Pole Tips



Mean Symmetry Value = -0.0064

Step Between Measured Pole Tips = 7

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 9 Nominal Taper = 0.000
Gap Reading = 9.0000 US Encoder = 9.0000 DS Encoder = 9.0000

29-AUG-2022
S/N = 000
D/S = 0001
Run = 7

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	4.4979	4.4973	4.4957	4.4950
Bottom	-4.5086	-4.5089	-4.5098	-4.5102
Gap	9.0065			9.0052
Taper				-0.0013

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
4.4965	-4.5093	9.0058	-0.0064

Additional Calculated Values

Bottom Pole #1 Z Value	974.854
Top Jaw Pitch (mrad)	-0.001
Bottom Jaw Pitch(mrad)	0.000
Minimum Effective Gap	8.990
Reference Block Gap	6.801

Dimensions in mm



METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 9 Nominal Taper = 0.000
 Gap Reading = 9.0000 US Encoder = 9.0000 DS Encoder = 9.0000

29-AUG-2022
 S/N = 000
 D/S = 0001
 Run = 7