

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

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



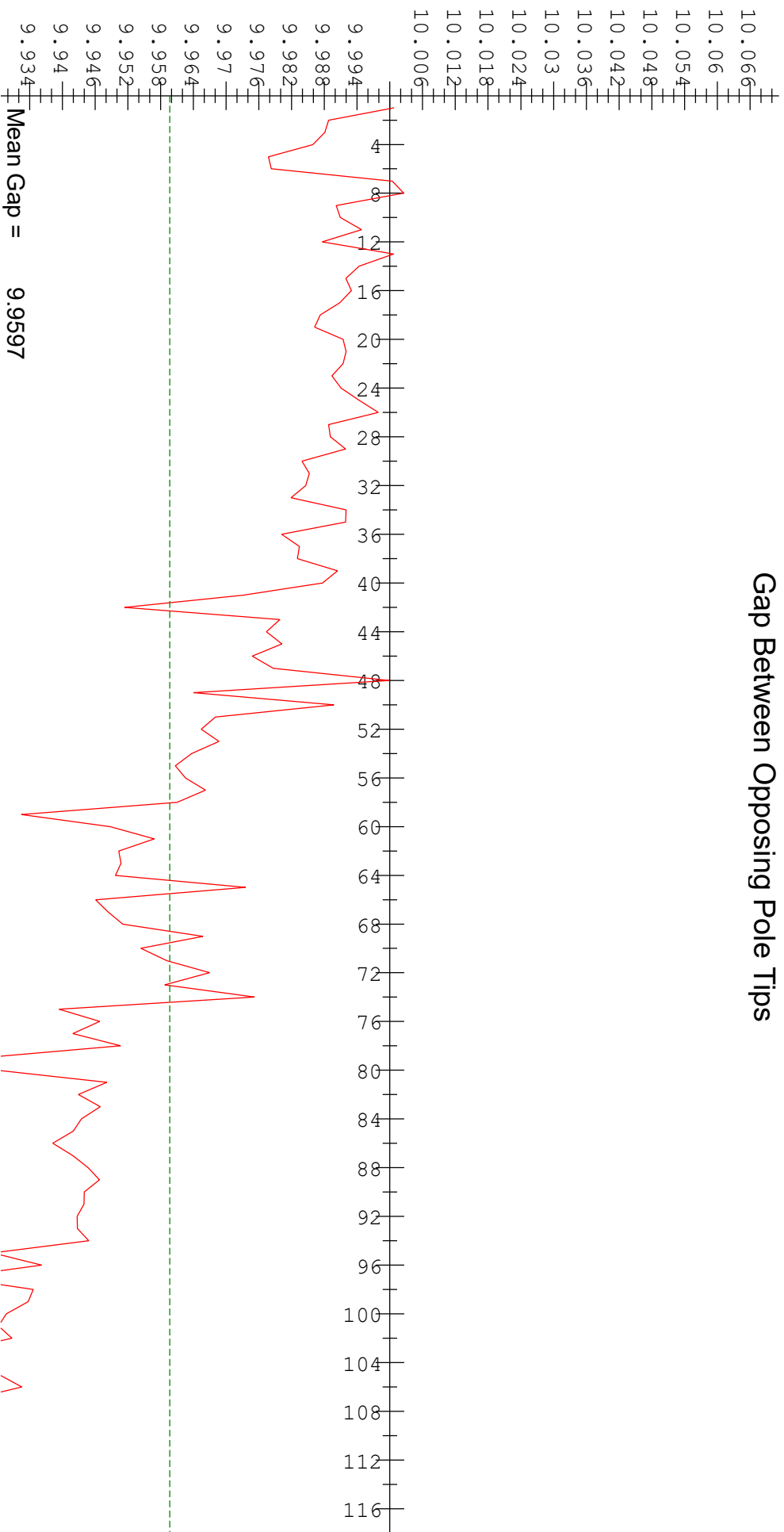
METROLOGY

LCLS II-HE - SXR Undulator

Nominal Gap = 10 Nominal Taper = -0.100
Gap Reading = 9.9500 US Encoder = 10.0000 DS Encoder = 9.9000

11-JUN-2026
S/N = 022
D/S = 0001
Run = 4

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



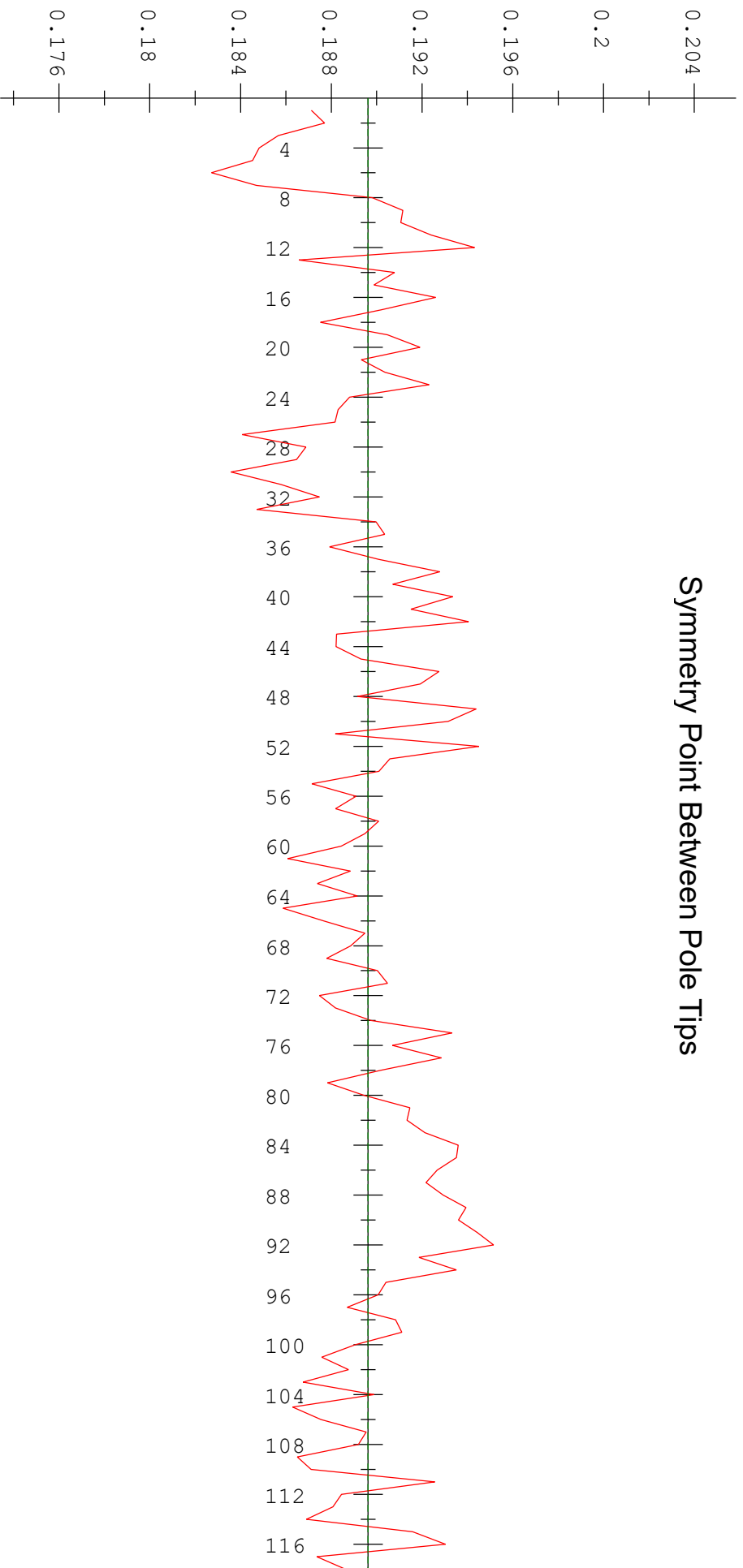
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Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.1896

Step Between Measured Pole Tips = 1

Dimensions in mm



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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 | 5.1916 | 5.1814 | 5.1579 | 5.1473 |
| Bottom | -4.8142 | -4.8031 | -4.7777 | -4.7662 |
| Gap | 10.0058 | | | 9.9135 |
| Taper | | | | -0.0924 |

Summary of Mean Values

| Top Jaw Poles | Btm. Jaw Poles | Gap Values | Sym. Pt. Values |
|---------------|----------------|------------|-----------------|
| 5.1694 | -4.7902 | 9.9597 | 0.1896 |

Additional Calculated Values

| | |
|-------------------------------|----------------|
| Bottom Pole #1 Z Value | 978.405 |
| Top Jaw Pitch (mrad) | -0.014 |
| Bottom Jaw Pitch(mrad) | 0.015 |
| Minimum Effective Gap | 9.877 |
| Reference Block Gap | 6.798 |

Dimensions in mm



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