

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 1

Regression Line Through Points = -----

Dimensions in mm

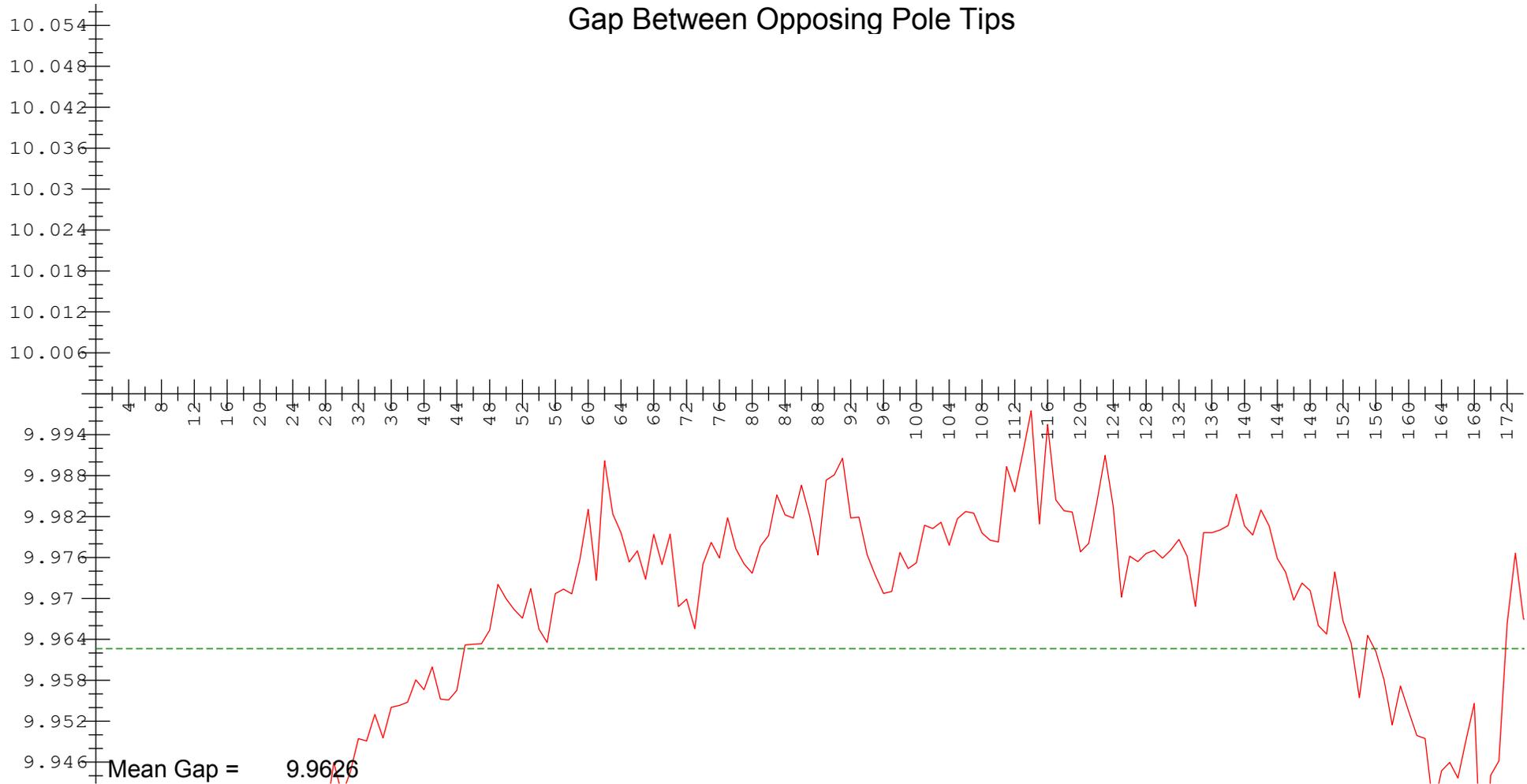


LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
 Gap Reading = 9.9998 US Encoder = 9.9998 DS Encoder = 9.9998

11-FEB-2019
 S/N = 020
 D/S = 0001
 Run = 1

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

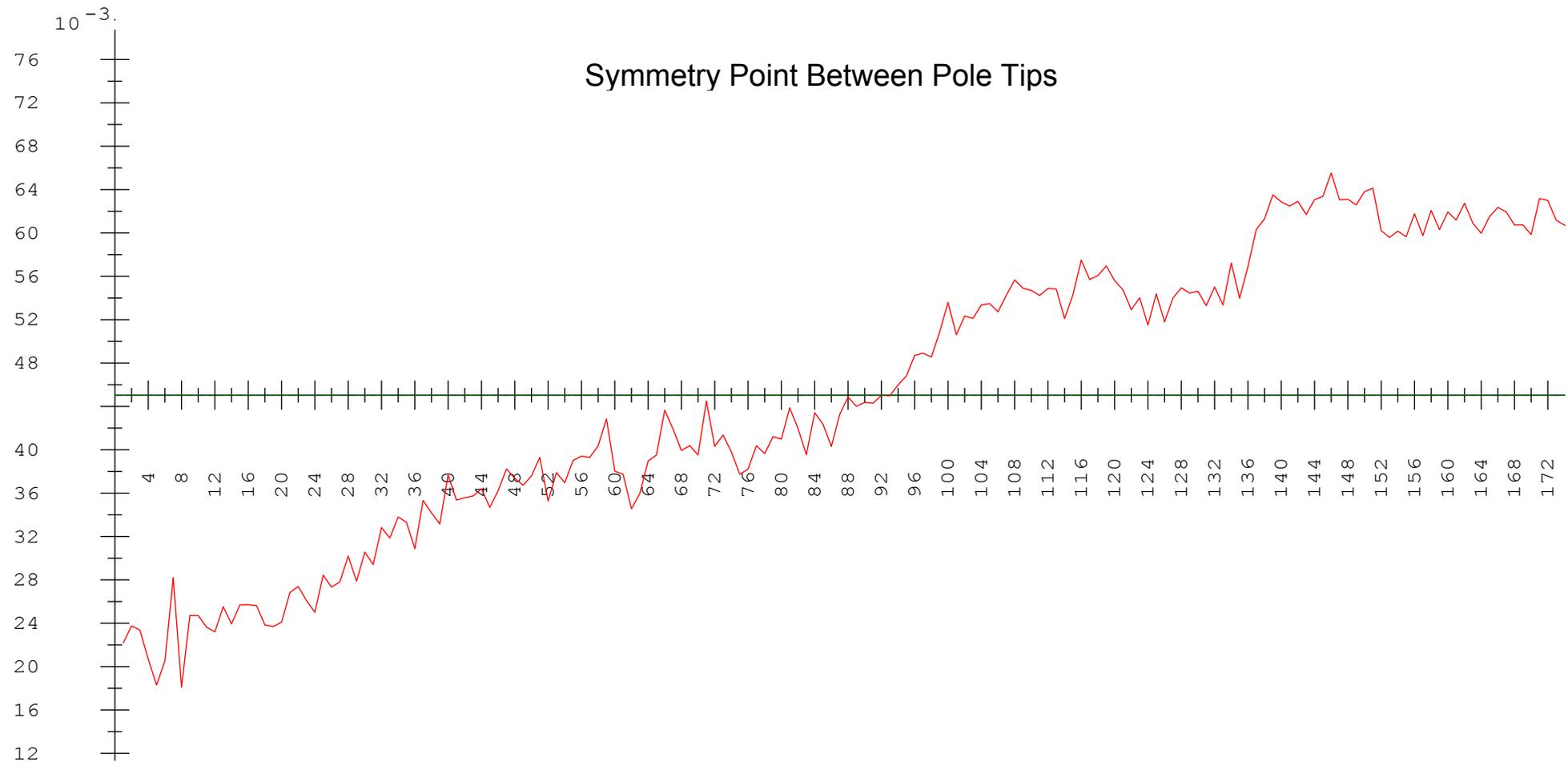
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Mean Symmetry Value = 0.0450

Step Between Measured Pole Tips = 1

Dimensions in mm



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Top and Bottom Jaw Regression Line Intersect Points

| Jaw | First Pole (Pole 1) | US Actuator (Pole 39) | DS Actuator (Pole 135) | Last Pole (Pole 174) |
|---------------|------------------------|--------------------------|---------------------------|-------------------------|
| Top | 4.9938 | 5.0081 | 5.0442 | 5.0589 |
| Bottom | -4.9478 | -4.9428 | -4.9299 | -4.9247 |
| Gap | 9.9417 | | | 9.9836 |
| Taper | | | | 0.0419 |

Summary of Mean Values

| Top Jaw Poles | Btm. Jaw Poles | Gap Values | Sym. Pt. Values |
|---------------|----------------|------------|-----------------|
| 5.0264 | -4.9363 | 9.9626 | 0.0450 |

Additional Calculated Values

| | |
|-------------------------------|----------------|
| Bottom Pole #1 Z Value | 980.503 |
| Top Jaw Pitch (mrad) | 0.019 |
| Bottom Jaw Pitch(mrad) | 0.007 |
| Minimum Effective Gap | 9.876 |
| Reference Block Gap | 6.809 |

Dimensions in mm



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