

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 87

Regression Line Through Points =

Dimensions in mm

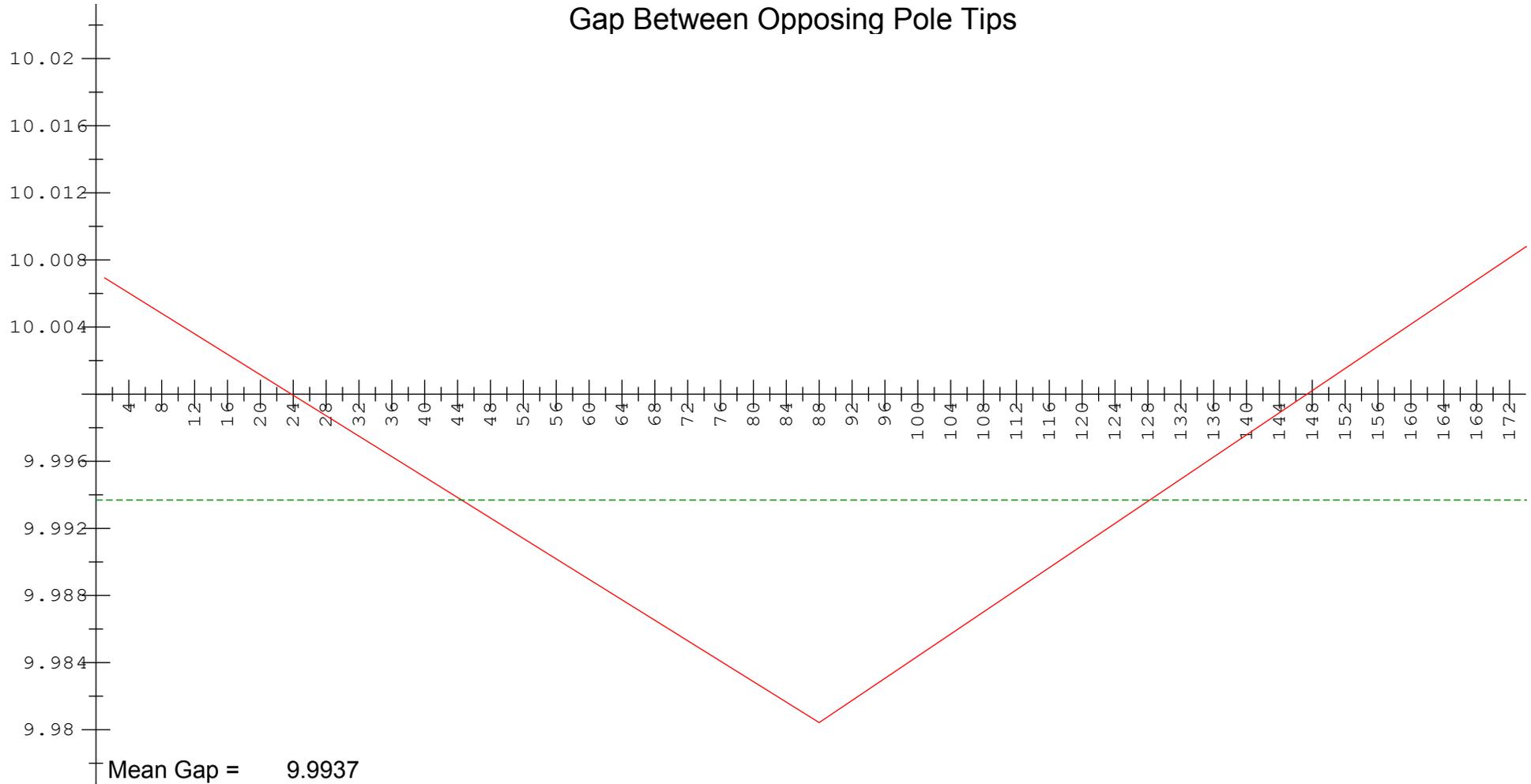


LCLS II - SXR Undulator

Nominal Gap = 10 Nominal Taper = 0.000
 Gap Reading = 0.0000 US Encoder = 0.0000 DS Encoder = 0.0000

12-AUG-2019
 S/N = 001
 D/S = 0007
 Run = 44

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 87

Dimensions in mm

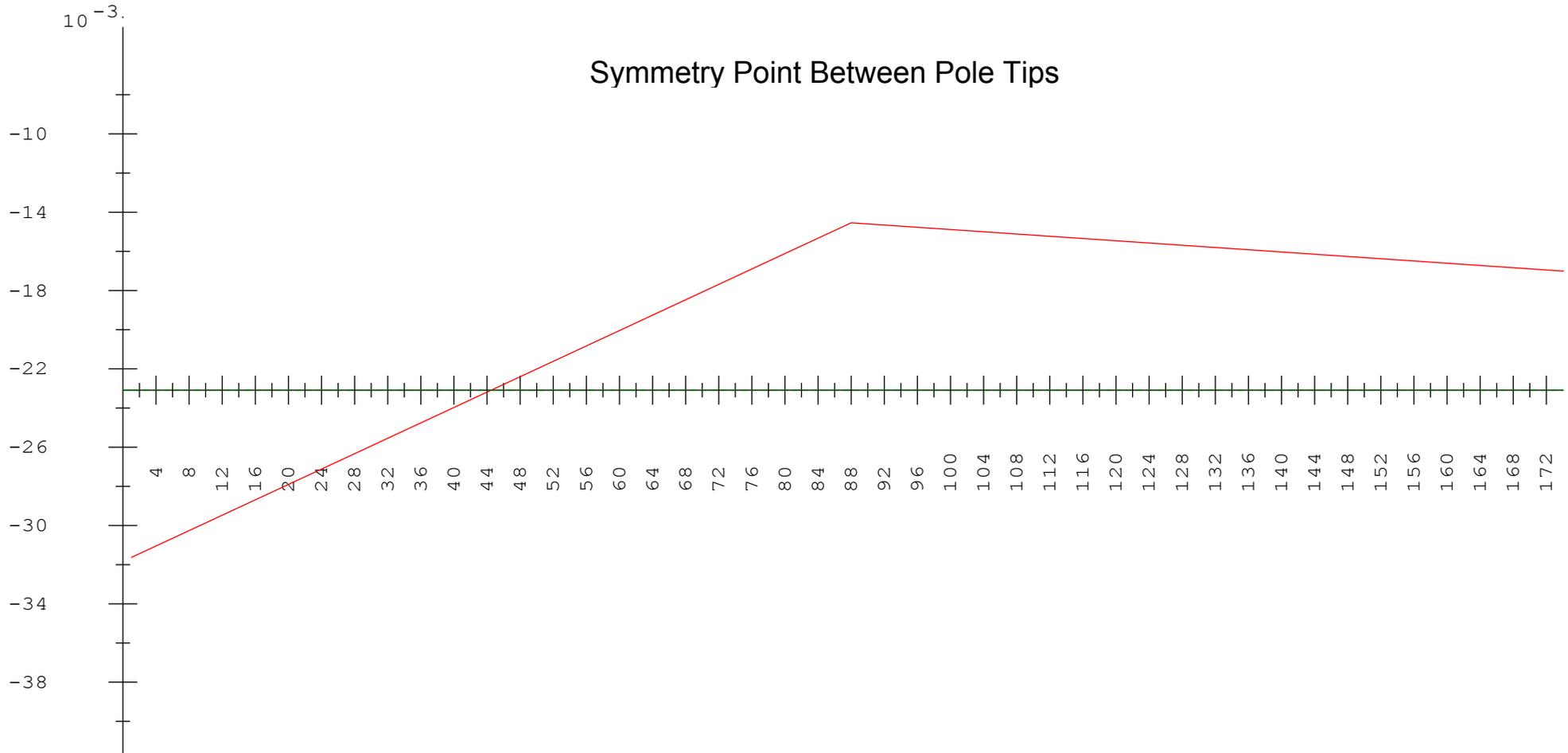


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Symmetry Point Between Pole Tips



Mean Symmetry Value = -0.0231

Step Between Measured Pole Tips = 87

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 | 4.9705 | 4.9739 | 4.9825 | 4.9860 |
| Bottom | -5.0273 | -5.0243 | -5.0166 | -5.0135 |
| Gap | 9.9979 | | | 9.9996 |
| Taper | | | | 0.0017 |

Summary of Mean Values

| Top Jaw Poles | Btm. Jaw Poles | Gap Values | Sym. Pt. Values |
|---------------|----------------|------------|-----------------|
| 4.9738 | -5.0199 | 9.9937 | -0.0231 |

Additional Calculated Values

| | |
|-------------------------------|----------------|
| Bottom Pole #1 Z Value | 980.086 |
| Top Jaw Pitch (mrad) | 0.005 |
| Bottom Jaw Pitch(mrad) | 0.004 |
| Minimum Effective Gap | 9.977 |
| Reference Block Gap | 6.801 |

Dimensions in mm



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