

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 7

Regression Line Through Points = -----

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 13 Nominal Taper = 0.000
 Gap Reading = 13.0000 US Encoder = 13.0000 DS Encoder = 13.0001

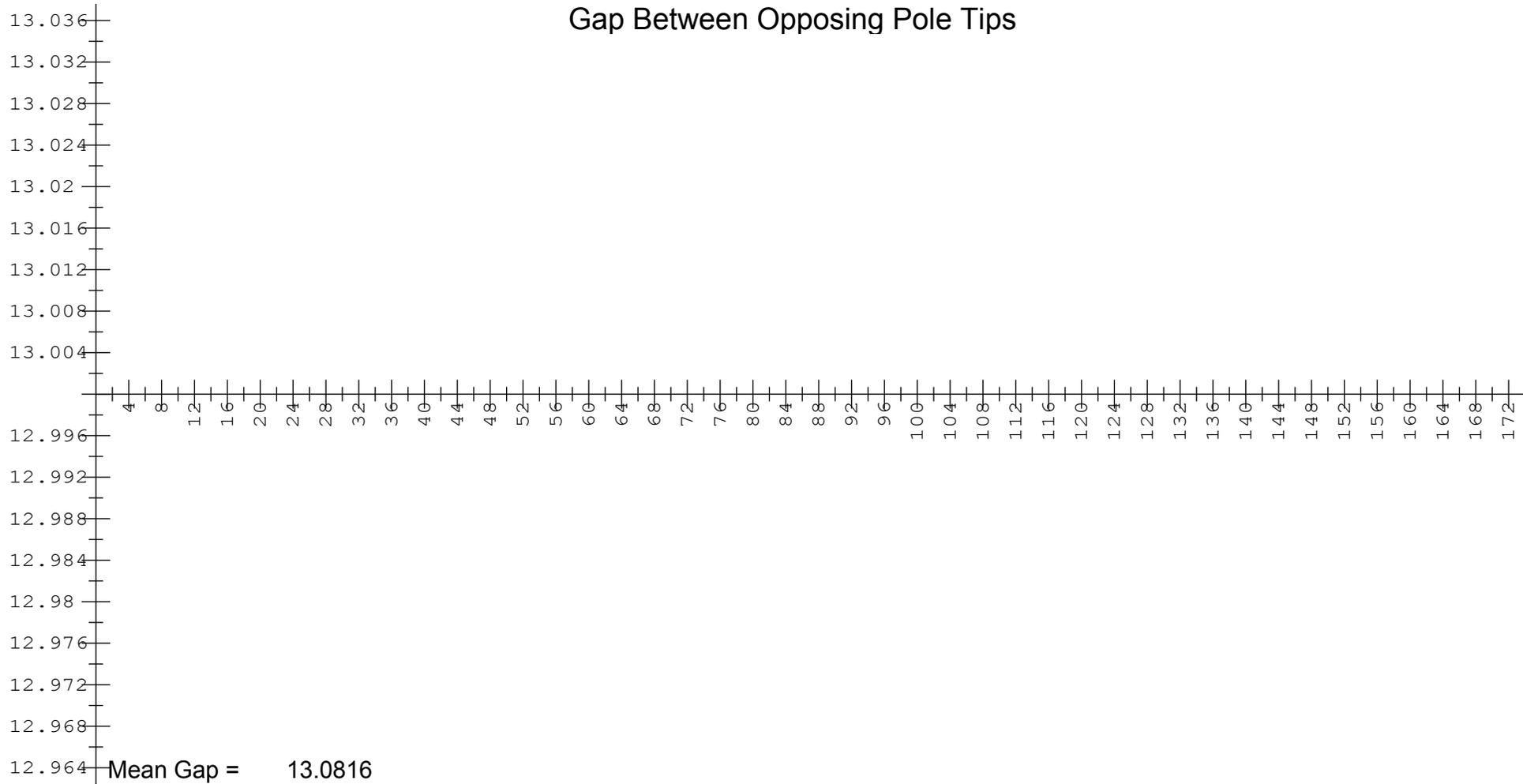
04-APR-2019

S/N = 002

D/S = 0001

Run = 7

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 7

Dimensions in mm

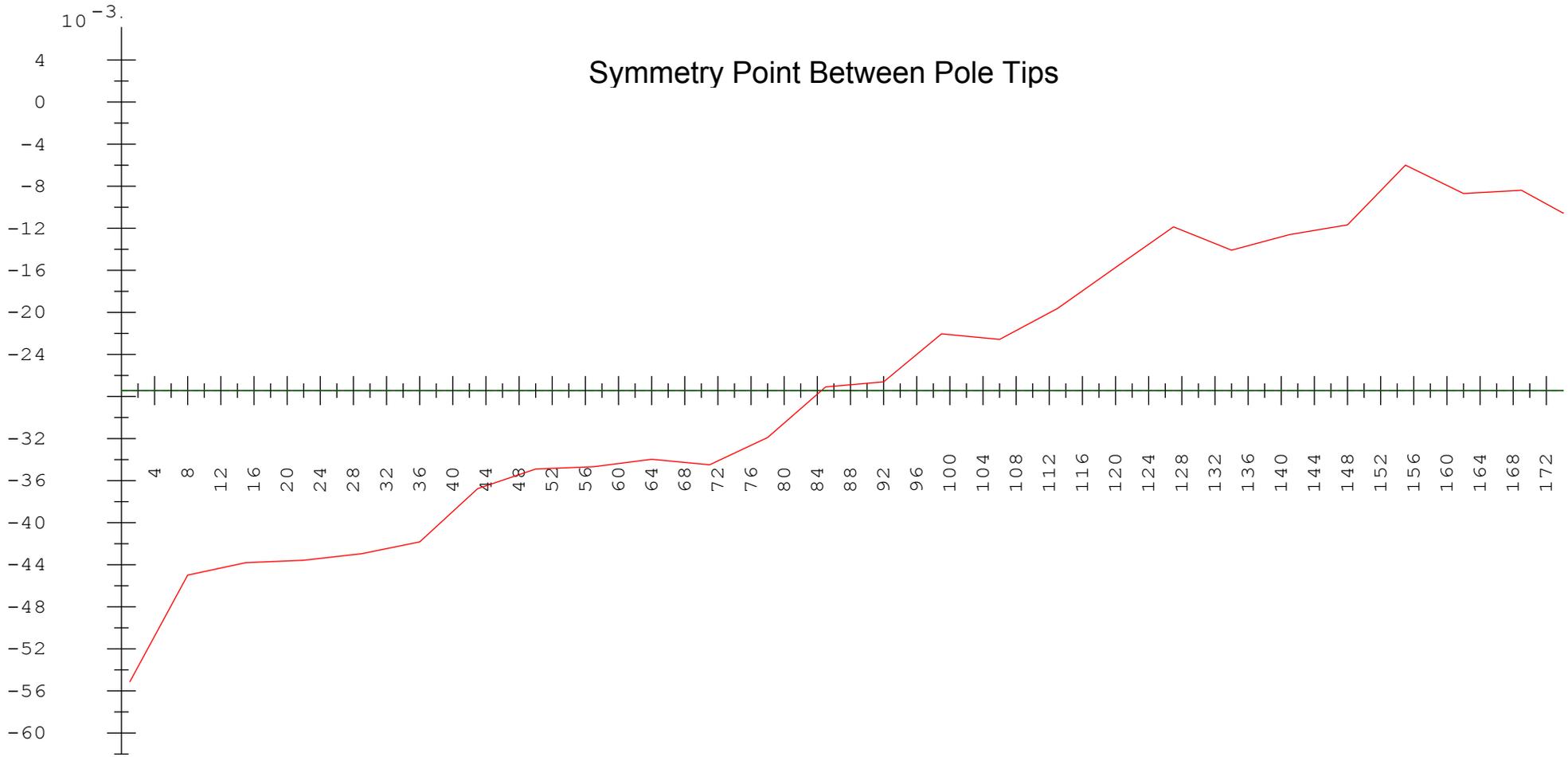


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04-APR-2019
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Symmetry Point Between Pole Tips



Mean Symmetry Value = -0.0274

Step Between Measured Pole Tips = 7

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 | 6.5003 | 6.5063 | 6.5213 | 6.5274 |
| Bottom | -6.5992 | -6.5854 | -6.5507 | -6.5366 |
| Gap | 13.0995 | | | 13.0640 |
| Taper | | | | -0.0355 |

Summary of Mean Values

| Top Jaw Poles | Btm. Jaw Poles | Gap Values | Sym. Pt. Values |
|---------------|----------------|------------|-----------------|
| 6.5134 | -6.5683 | 13.0816 | -0.0274 |

Additional Calculated Values

| | |
|-------------------------------|----------------|
| Bottom Pole #1 Z Value | 980.303 |
| Top Jaw Pitch (mrad) | 0.008 |
| Bottom Jaw Pitch(mrad) | 0.019 |
| Minimum Effective Gap | 13.015 |
| Reference Block Gap | 6.810 |

Dimensions in mm



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