

Y Value Scales Centered on Mean Values

Step Between Measured Pole Tips = 5

Regression Line Through Points = -----

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 11.5 Nominal Taper = 0.000
 Gap Reading = 11.5000 US Encoder = 11.5000 DS Encoder = 11.5000

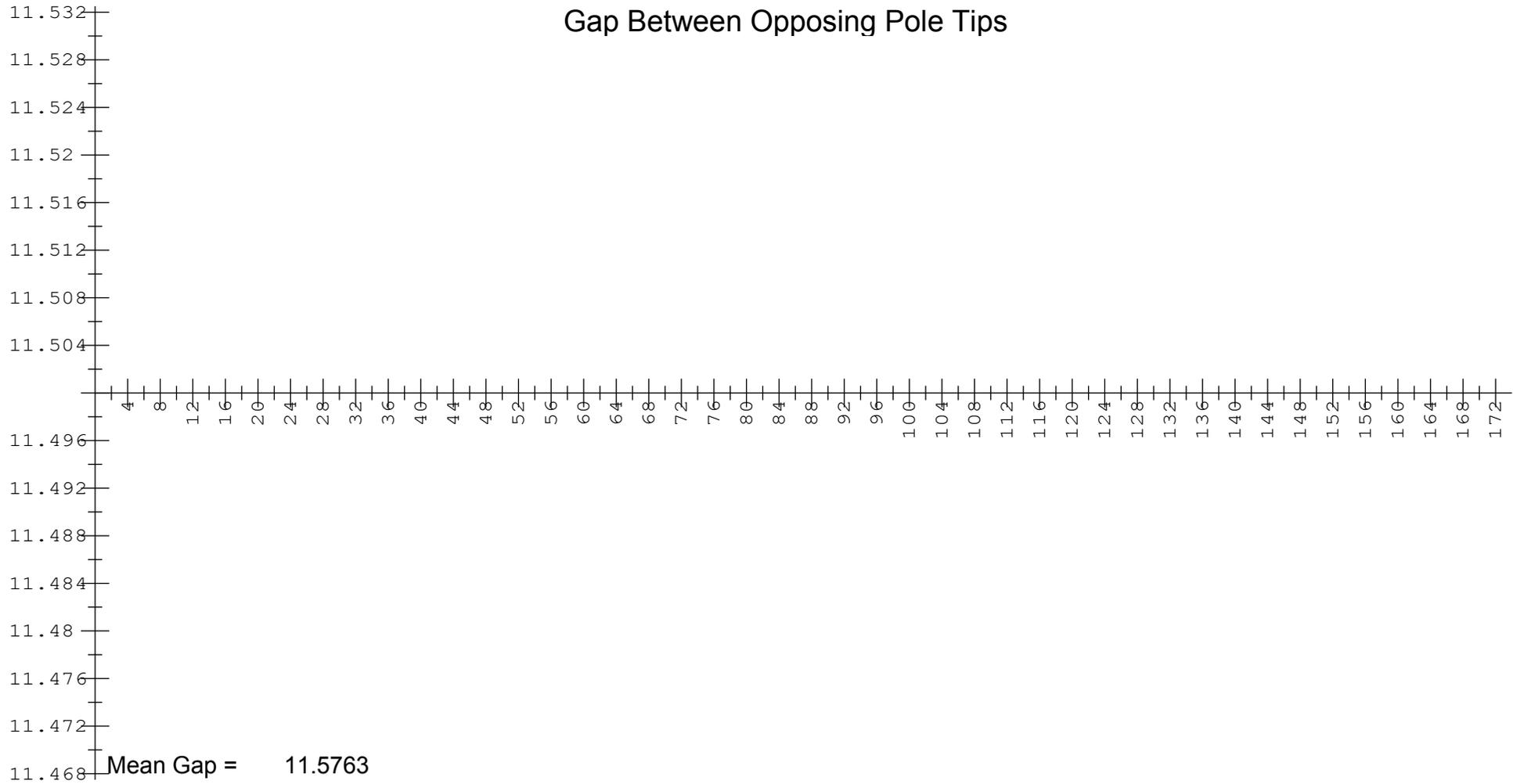
05-APR-2019

S/N = 002

D/S = 0001

Run = 9

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

Dimensions in mm

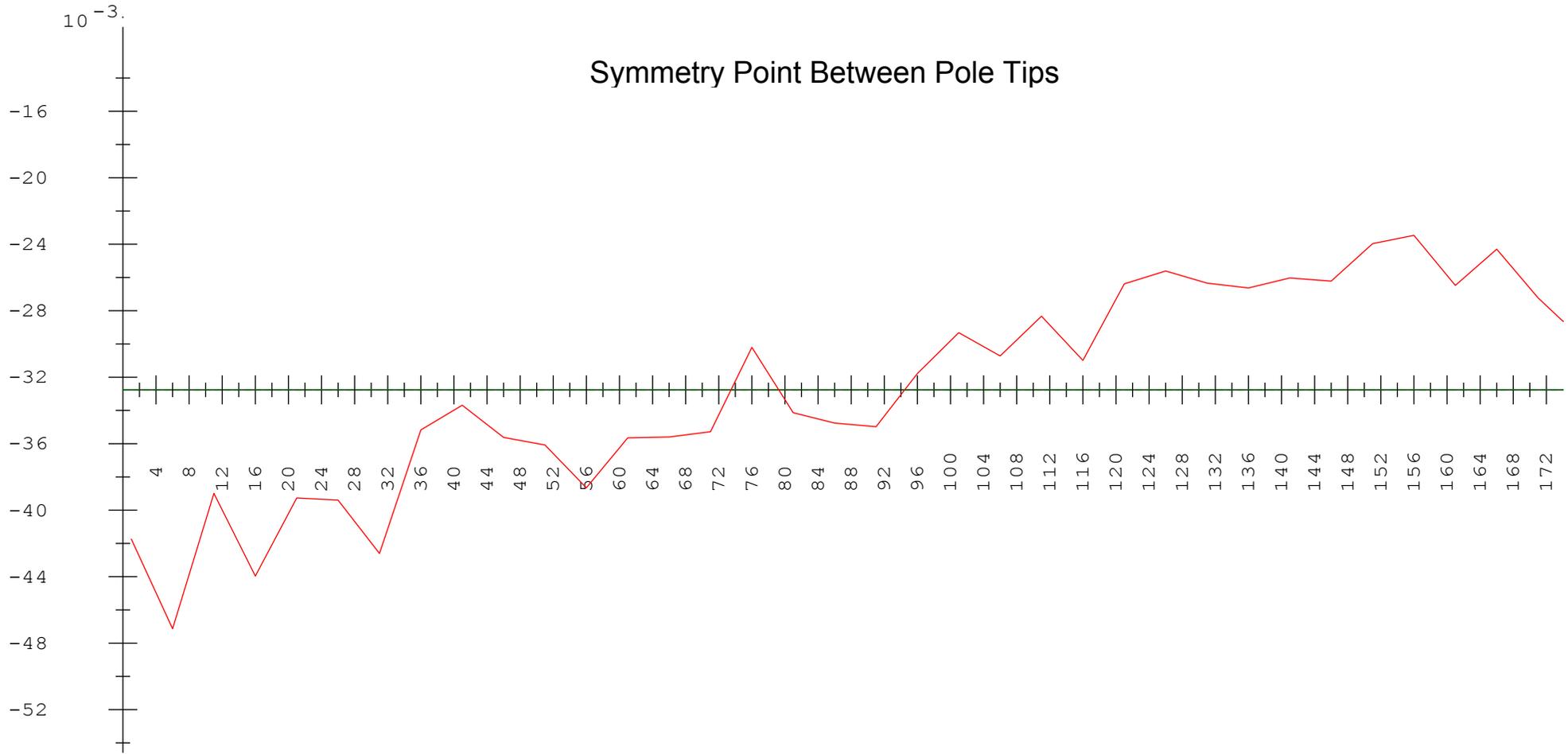


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Symmetry Point Between Pole Tips



Mean Symmetry Value = -0.0328

Step Between Measured Pole Tips = 5

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 | 5.7433 | 5.7487 | 5.7625 | 5.7681 |
| Bottom | -5.8277 | -5.8248 | -5.8176 | -5.8147 |
| Gap | 11.5709 | | | 11.5827 |
| Taper | | | | 0.0118 |

Summary of Mean Values

| Top Jaw Poles | Btm. Jaw Poles | Gap Values | Sym. Pt. Values |
|---------------|----------------|------------|-----------------|
| 5.7554 | -5.8209 | 11.5763 | -0.0328 |

Additional Calculated Values

| | |
|-------------------------------|----------------|
| Bottom Pole #1 Z Value | 980.303 |
| Top Jaw Pitch (mrad) | 0.007 |
| Bottom Jaw Pitch(mrad) | 0.004 |
| Minimum Effective Gap | 11.536 |
| Reference Block Gap | 6.810 |

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