

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

Gap Reading = 10.0000

US Encoder = 10.0000

DS Encoder = 10.0000

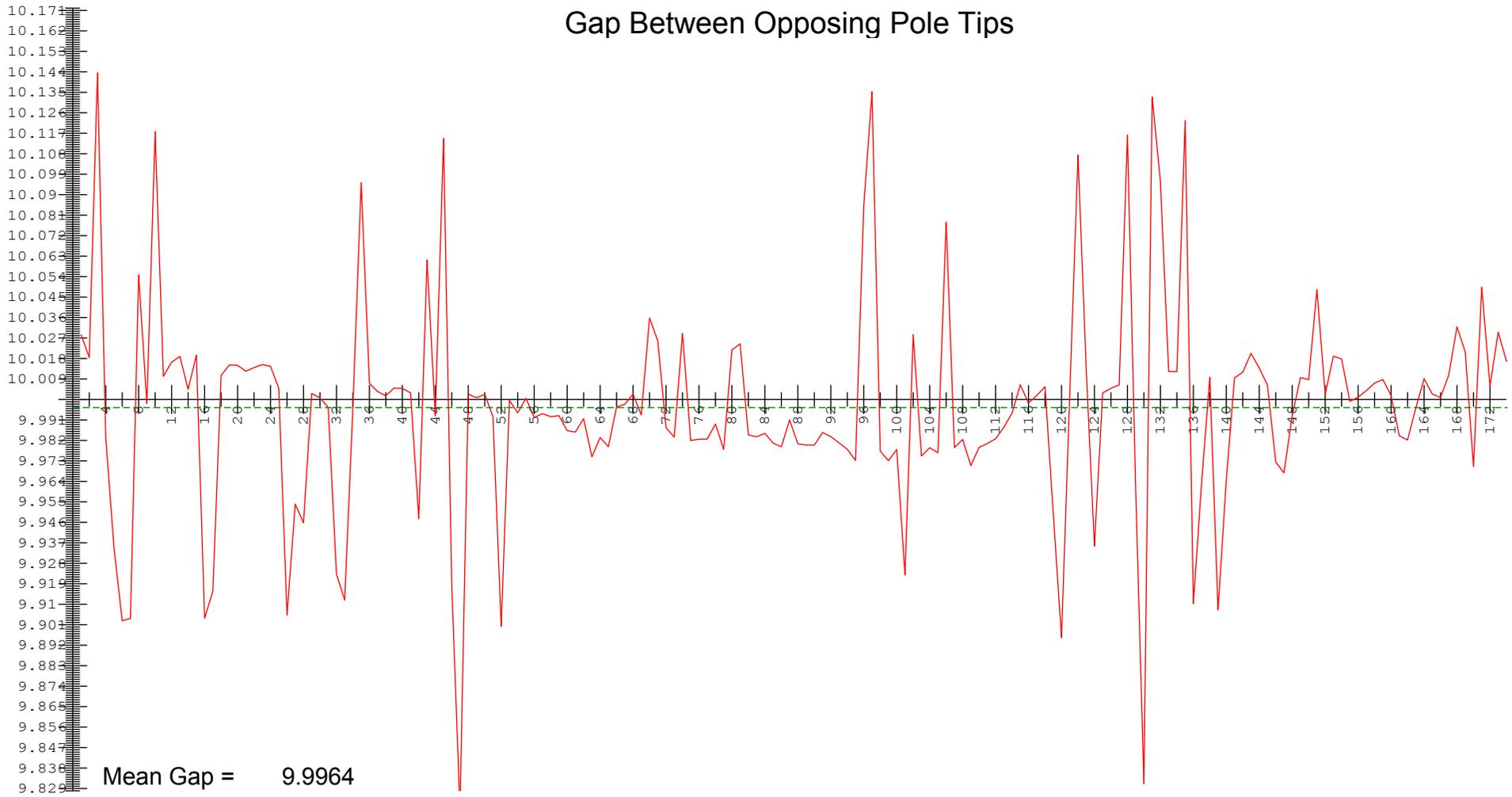
21-FEB-2018

S/N = 005

D/S = 0001

Run = 10

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 1

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 10

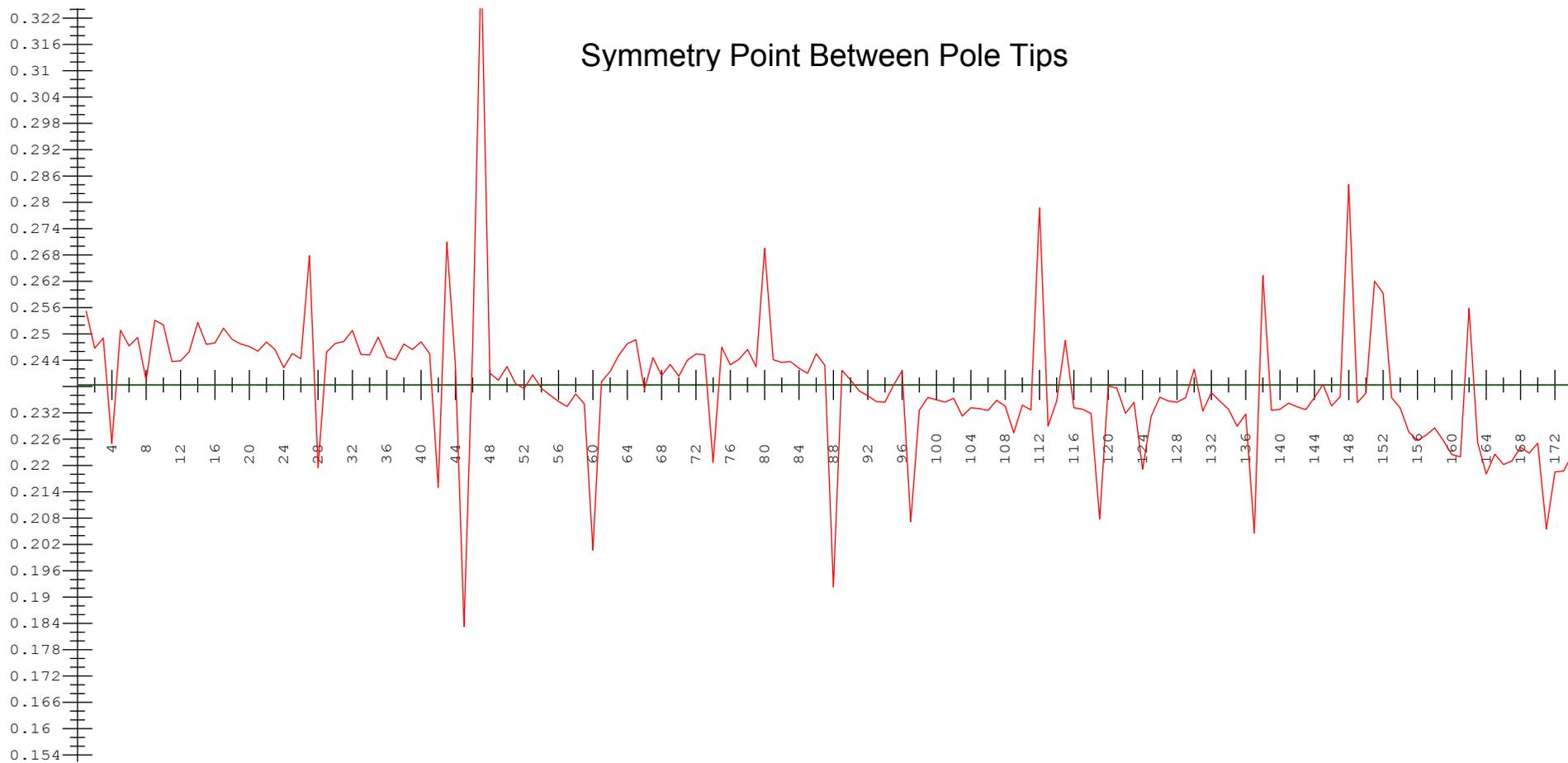
Gap Reading = 10.0000 US Encoder = 10.0000 DS Encoder = 10.0000

21-FEB-2018

S/N = 005

D/S = 0001

Run = 10



Mean Symmetry Value = 0.2384

Step Between Measured Pole Tips = 1

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 10

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21-FEB-2018
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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 | 5.2433 | 5.2404 | 5.2329 | 5.2298 |
| Bottom | -4.7463 | -4.7523 | -4.7673 | -4.7734 |
| Gap | 9.9897 | | | 10.0032 |
| Taper | | | | 0.0135 |

Summary of Mean Values

| Top Jaw Poles | Btm. Jaw Poles | Gap Values | Sym. Pt. Values |
|---------------|----------------|------------|-----------------|
| 5.2366 | -4.7599 | 9.9964 | 0.2384 |

Additional Calculated Values

| | |
|-------------------------------|----------------|
| Bottom Pole #1 Z Value | 979.292 |
| Top Jaw Pitch (mrad) | 0.004 |
| Bottom Jaw Pitch(mrad) | -0.008 |
| Minimum Effective Gap | 9.732 |
| Reference Block Gap | 6.807 |

Dimensions in mm



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