

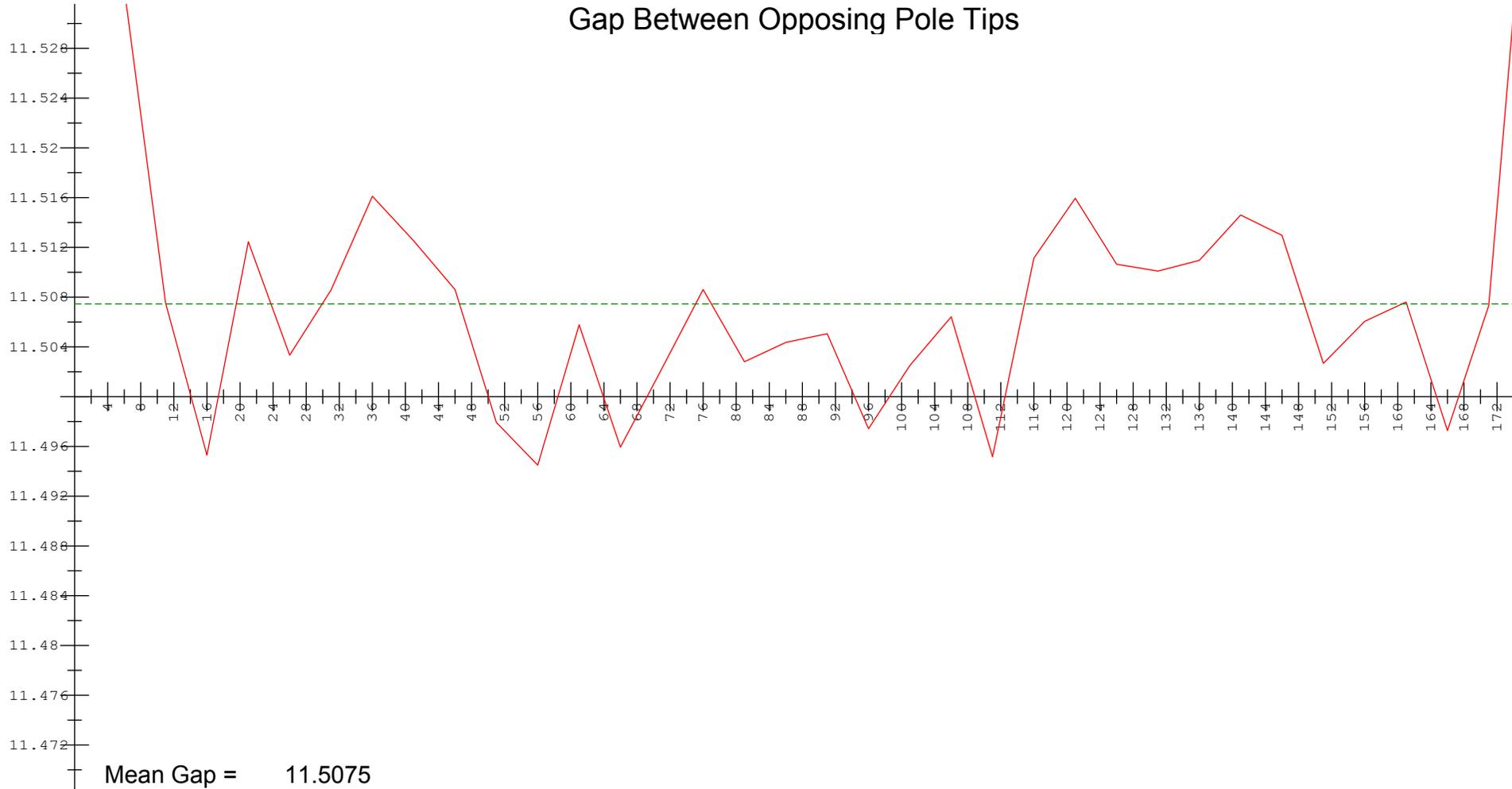
Minimum Effective Gap = 11.486

Y Value Scales Centered on Mean Values
 Step Between Measured Pole Tips = 5

Regression Line Through Points = -----
 Dimensions in mm

| | | |
|---|--|---|
|  | <h2 style="margin: 0;">LCLS II - SXR Undulator</h2> <p style="margin: 0;">Nominal Gap = 11.5</p> <p style="margin: 0;">Gap Reading = 10.0000 US Encoder = 10.0000 DS Encoder = 10.0000</p> | <p style="margin: 0;">08-MAR-2018</p> <p style="margin: 0;">S/N = 007</p> <p style="margin: 0;">D/S = 0001</p> <p style="margin: 0;">Run = 11</p> |
|---|--|---|

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 5

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 11.5

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

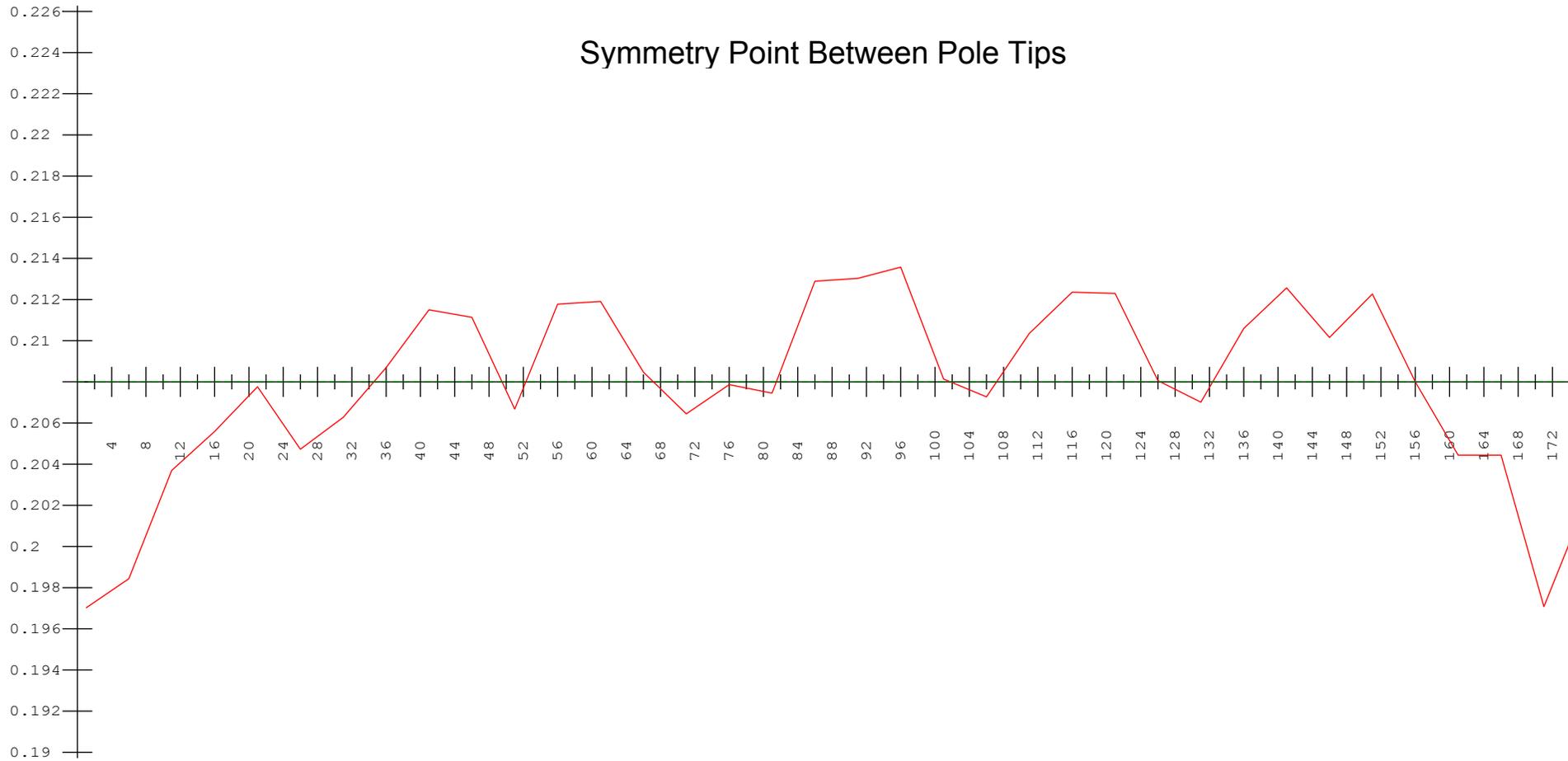
08-MAR-2018

S/N = 007

D/S = 0001

Run = 11

Symmetry Point Between Pole Tips



Mean Symmetry Value = 0.2080

Step Between Measured Pole Tips = 5

Dimensions in mm



LCLS II - SXR Undulator

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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 | 5.9617 | 5.9617 | 5.9619 | 5.9620 |
| Bottom | -5.5480 | -5.5472 | -5.5454 | -5.5446 |
| Gap | 11.5096 | | | 11.5066 |
| Taper | | | | -0.0030 |

Summary of Mean Values

| Top Jaw Poles | Btm. Jaw Poles | Gap Values | Sym. Pt. Values |
|---------------|----------------|------------|-----------------|
| 5.9617 | -5.5457 | 11.5075 | 0.2080 |

Additional Calculated Values

| | |
|-------------------------------|----------------|
| Bottom Pole #1 Z Value | 979.176 |
| Top Jaw Pitch (mrad) | 0.000 |
| Bottom Jaw Pitch(mrad) | 0.001 |
| Minimum Effective Gap | 11.486 |
| Reference Block Gap | 6.804 |

Dimensions in mm



LCLS II - SXR Undulator

Nominal Gap = 11.5

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