

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 = 11 Nominal Taper = 0.000

Gap Reading = 11.0000 US Encoder = 11.0001 DS Encoder = 11.0000

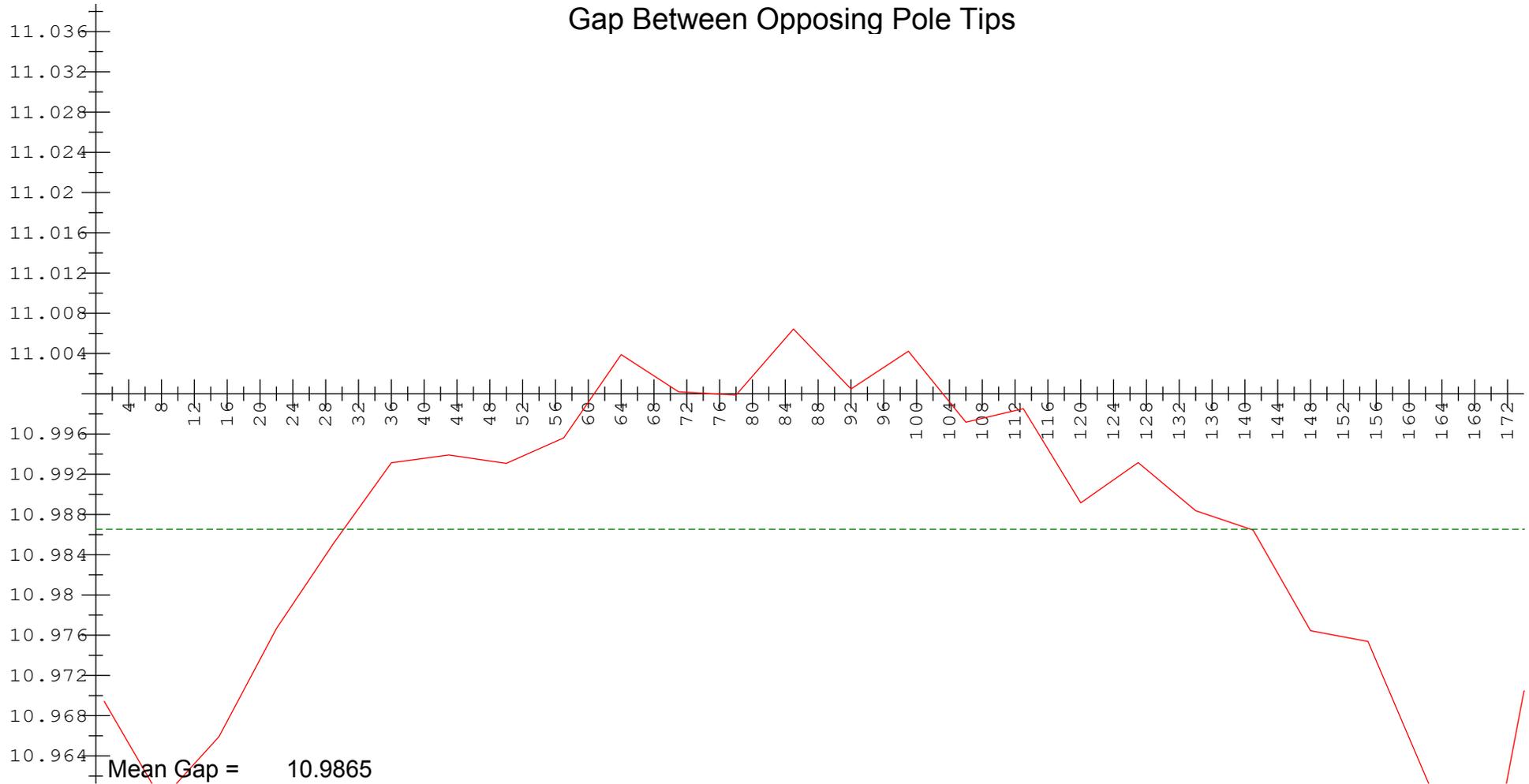
21-AUG-2018

S/N = 014

D/S = 0001

Run = 5

Gap Between Opposing Pole Tips



Step Between Measured Pole Tips = 7

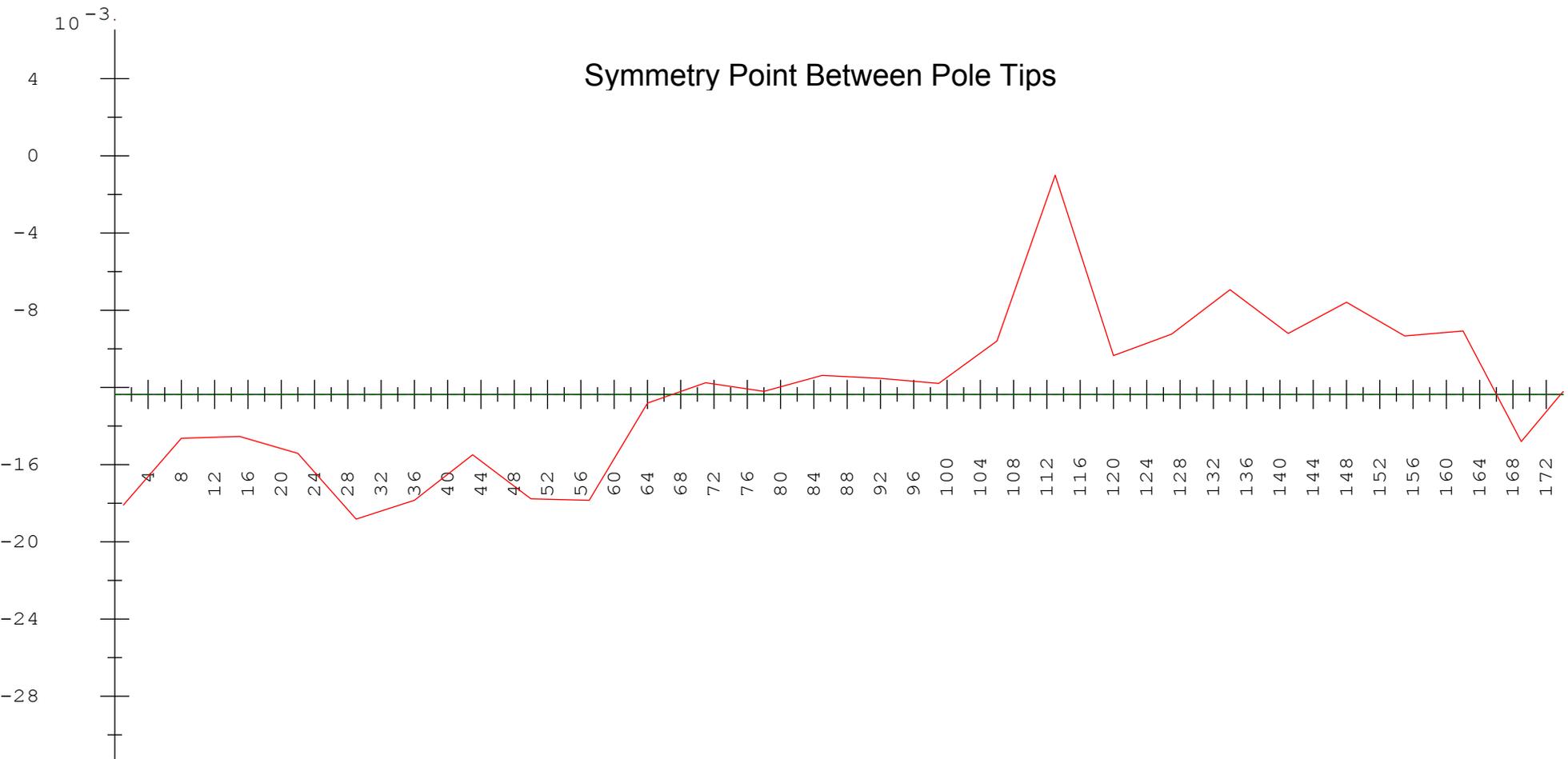
Dimensions in mm



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Mean Symmetry Value = -0.0124

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 | 5.4776 | 5.4789 | 5.4822 | 5.4835 |
| Bottom | -5.5115 | -5.5088 | -5.5020 | -5.4993 |
| Gap | 10.9891 | | | 10.9828 |
| Taper | | | | -0.0063 |

Summary of Mean Values

| Top Jaw Poles | Btm. Jaw Poles | Gap Values | Sym. Pt. Values |
|---------------|----------------|------------|-----------------|
| 5.4809 | -5.5056 | 10.9865 | -0.0124 |

Additional Calculated Values

| | |
|-------------------------------|----------------|
| Bottom Pole #1 Z Value | 979.941 |
| Top Jaw Pitch (mrad) | 0.002 |
| Bottom Jaw Pitch(mrad) | 0.004 |
| Minimum Effective Gap | 10.949 |
| Reference Block Gap | 6.806 |

Dimensions in mm



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