Top Jaw Pole Tips

Y Value

Mean TOP =   6.8188

Pole Tip Num. ---->

Bottom Jaw Pole Tips

Y Value

Mean BTM =   -8.1860

Y Value Scales Centered on Mean Values
Step Between Measured Pole Tips =   7

Regression Line Through Points =
Dimensions in mm

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METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 15
Gap Reading = 15.00050   US Encoder = 15.00060   DS Encoder = 15.00040

26-SEP-2017
S/N =   003
D/S=   0001
Run=   11

Gap Between Pole Tips

Mean Gap =   15.0048

Step Between Measured Pole Tips =   7

Dimensions in mm

LCLS II - SXR Undulator

Nominal Gap = 15

Gap Reading = 15.00050   US Encoder = 15.00060   DS Encoder = 15.00040
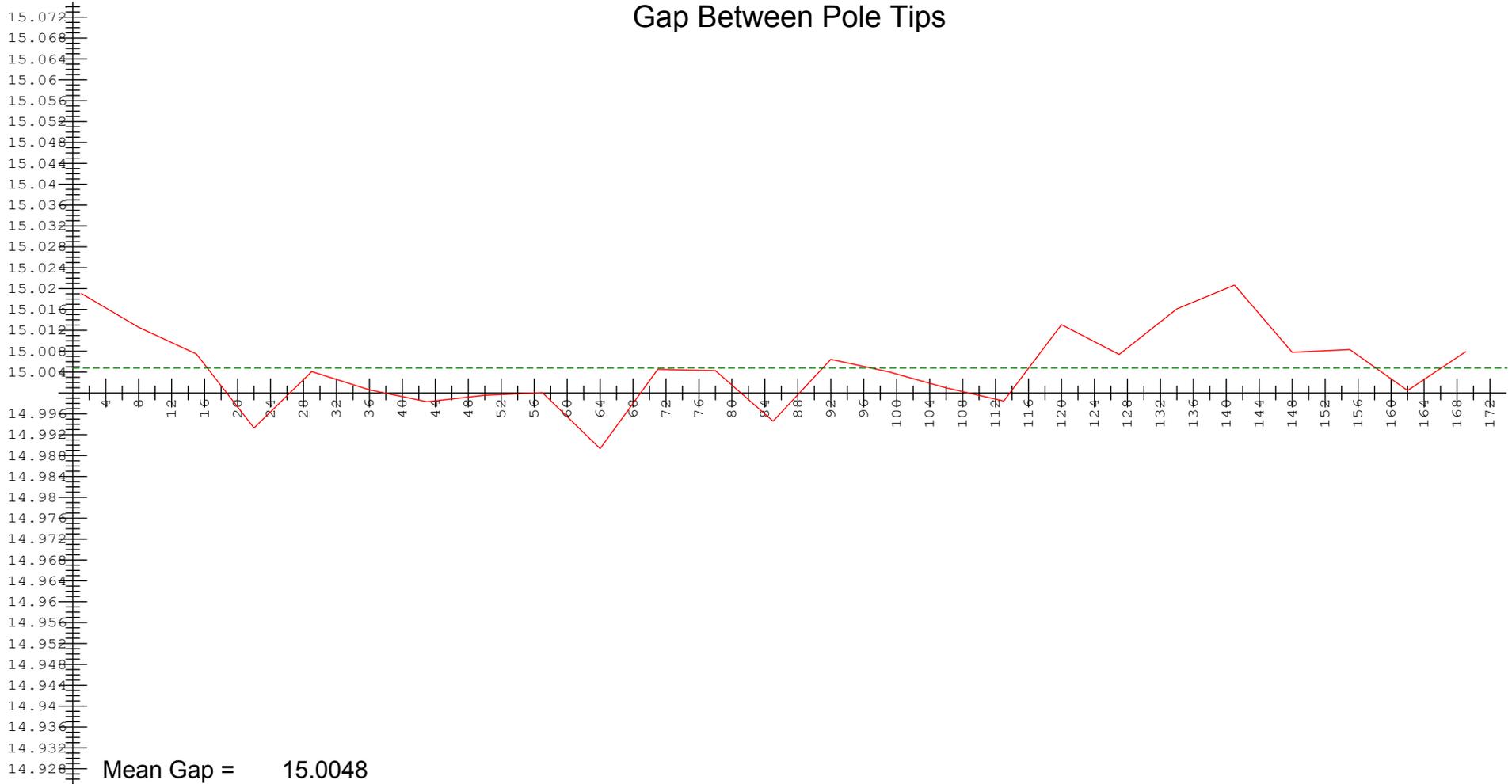
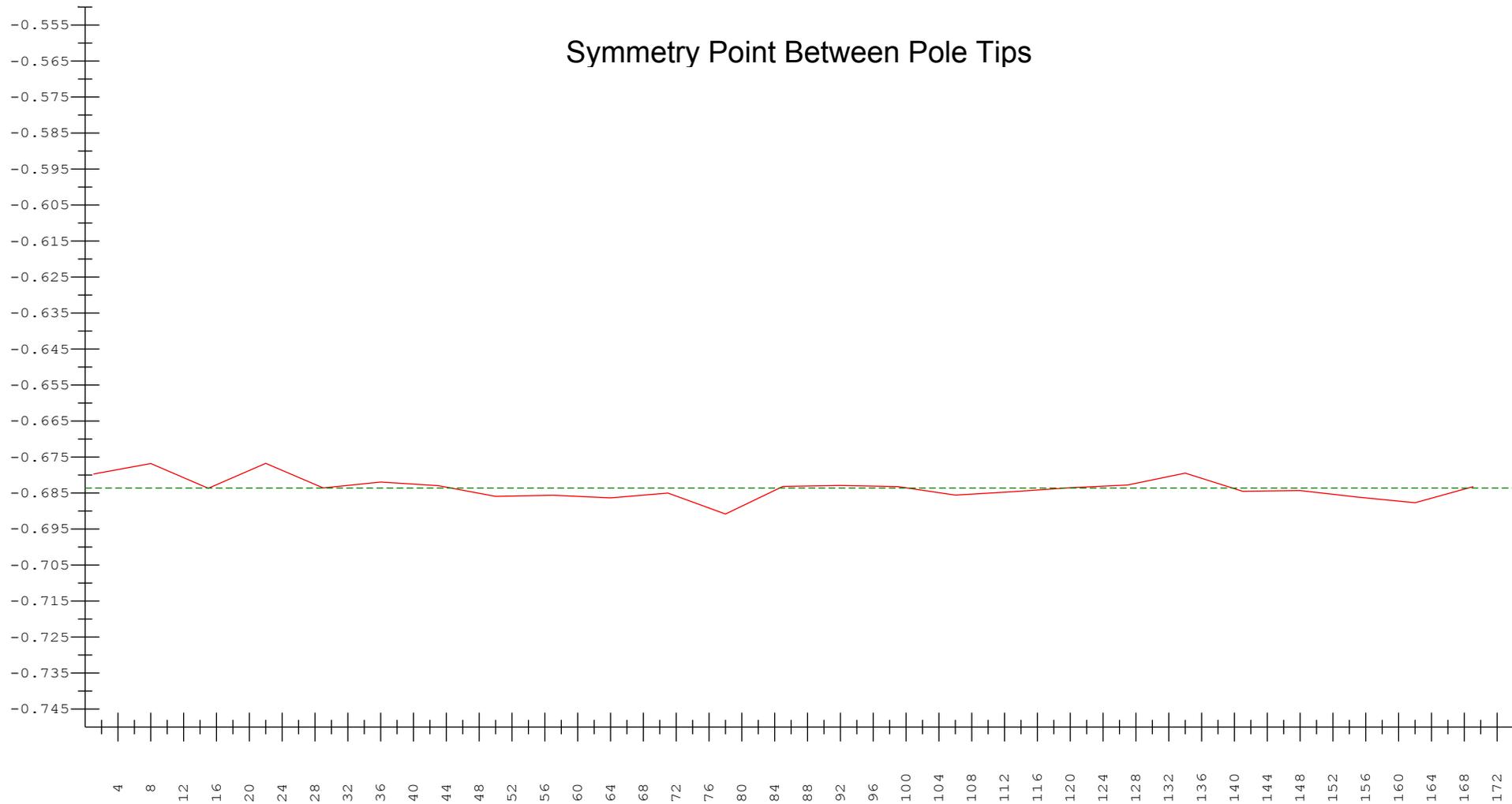NATIONAL ACCELERATOR LABORATORY

METROLOGY

26-SEP-2017
S/N =   003
D/S=   0001
Run=   11

Symmetry Point Between Pole Tips

Mean Symmetry Value =   -0.6836

Step Between Measured Pole Tips =   7

Dimensions in mm

LCLS II - SXR Undulator
Nominal Gap = 15
Gap Reading = 15.00050   US Encoder = 15.00060   DS Encoder = 15.00040

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METROLOGY

26-SEP-2017
S/N =   003
D/S=   0001
Run=   11

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	6.8195	6.8192	6.8183	6.8180
Bottom	-8.1828	-8.1843	-8.1879	-8.1894

Summary of Mean Values

Top Jaw Poles	Btm. Jaw Poles	Gap Values	Sym. Pt. Values
6.8188	-8.1860	15.0048	-0.6836

Step Between Measured Pole Tips =   7

Dimensions in mm

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METROLOGY

LCLS II - SXR Undulator
Nominal Gap = 15
Gap Reading = 15.00050   US Encoder = 15.00060   DS Encoder = 15.00040

26-SEP-2017
S/N =   003
D/S=   0001
Run=   11