SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

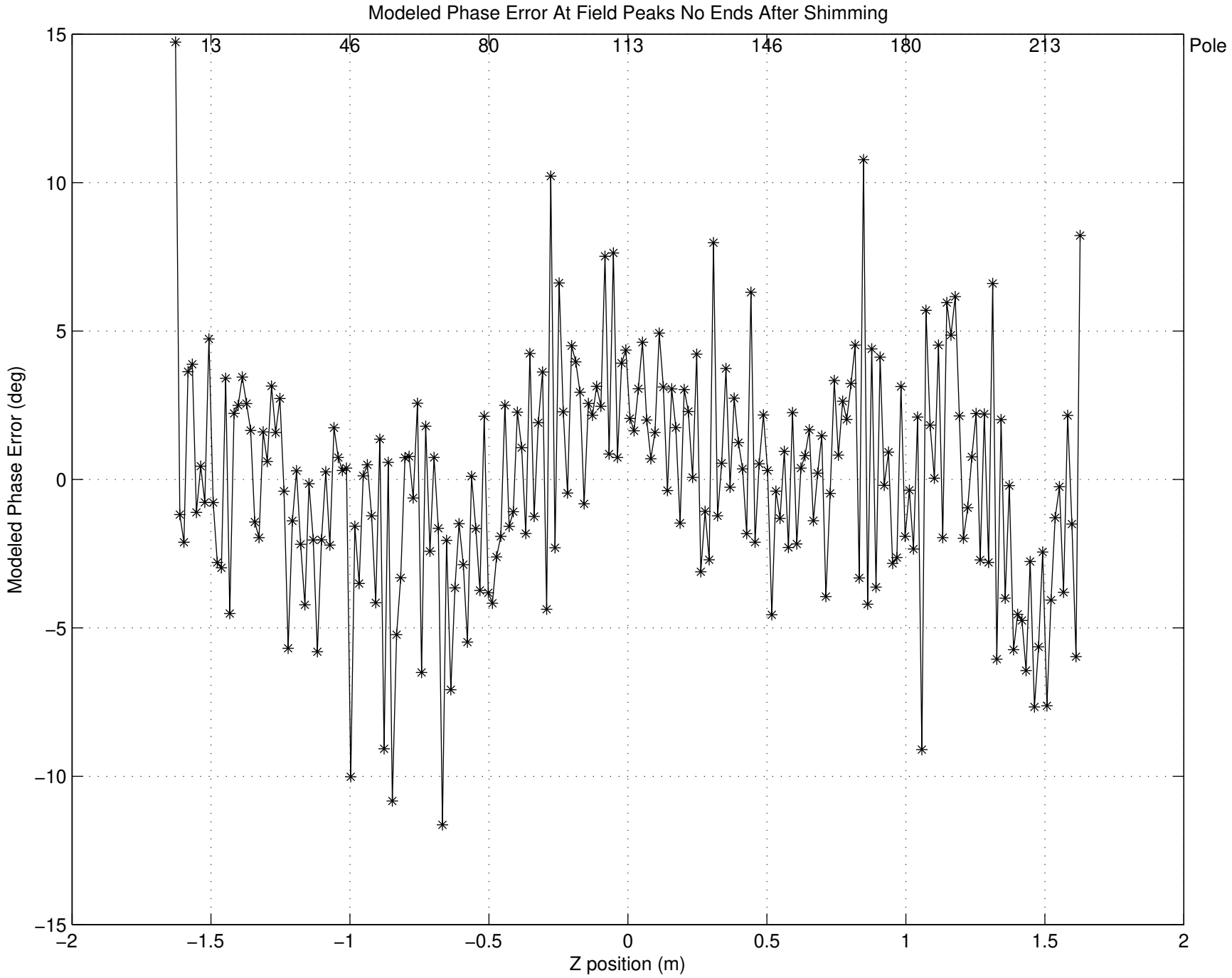
SLAC Magnetic Measurements
Date: 12−21−2012
Time: 15:04:22

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−40
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 9
Measurement Type: Z Scans
Operator: YL
Comment: tuning; second gap correction
Session first run: 7
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−40\DATASET0003\Fine Tuning\Z Scans\Run 009\bscanz.dat

Temperature (C)
L143−112000−40:−−> T1 20.00 −−> T2 19.99 −−> T5 19.94 −−> T3 19.99 −−> Air 19.99 −−> T4 19.97

Axes position (m) X:0.030167 Y:0.000156
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000973 V
Vy_0i = −0.003732 V



Phase Error: Ave = −0.000000 deg, RMS = 3.796082 deg