SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

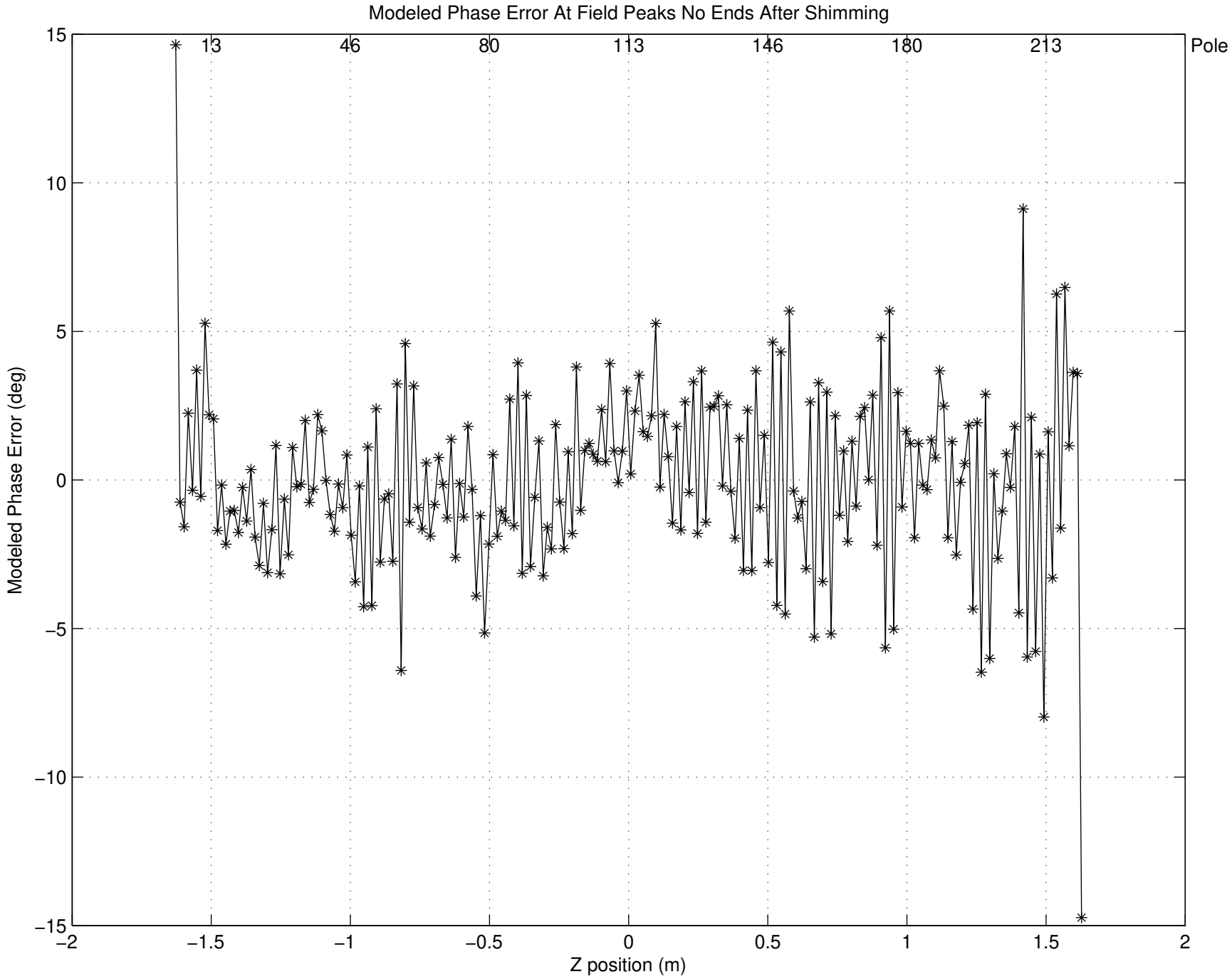
SLAC Magnetic Measurements
Date: 12−16−2013
Time: 14:51:41

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−10
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 10
Measurement Type: Z Scans
Operator: YL
Comment: at min K; before final
Session first run: 8
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−10\DATASET0003\Fine Tuning\Z Scans\Run 010\bscanz.dat

Temperature (C)
L143−112000−10:−−> T1 19.95 −−> T2 19.93 −−> T5 19.92 −−> T3 19.93 −−> Air 20.06 −−> T4 19.93

Axes position (m) X:0.029575 Y:0.000148
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001184 V
Vy_0i = −0.003557 V



Phase Error: Ave = 0.000000 deg, RMS = 3.063599 deg