SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

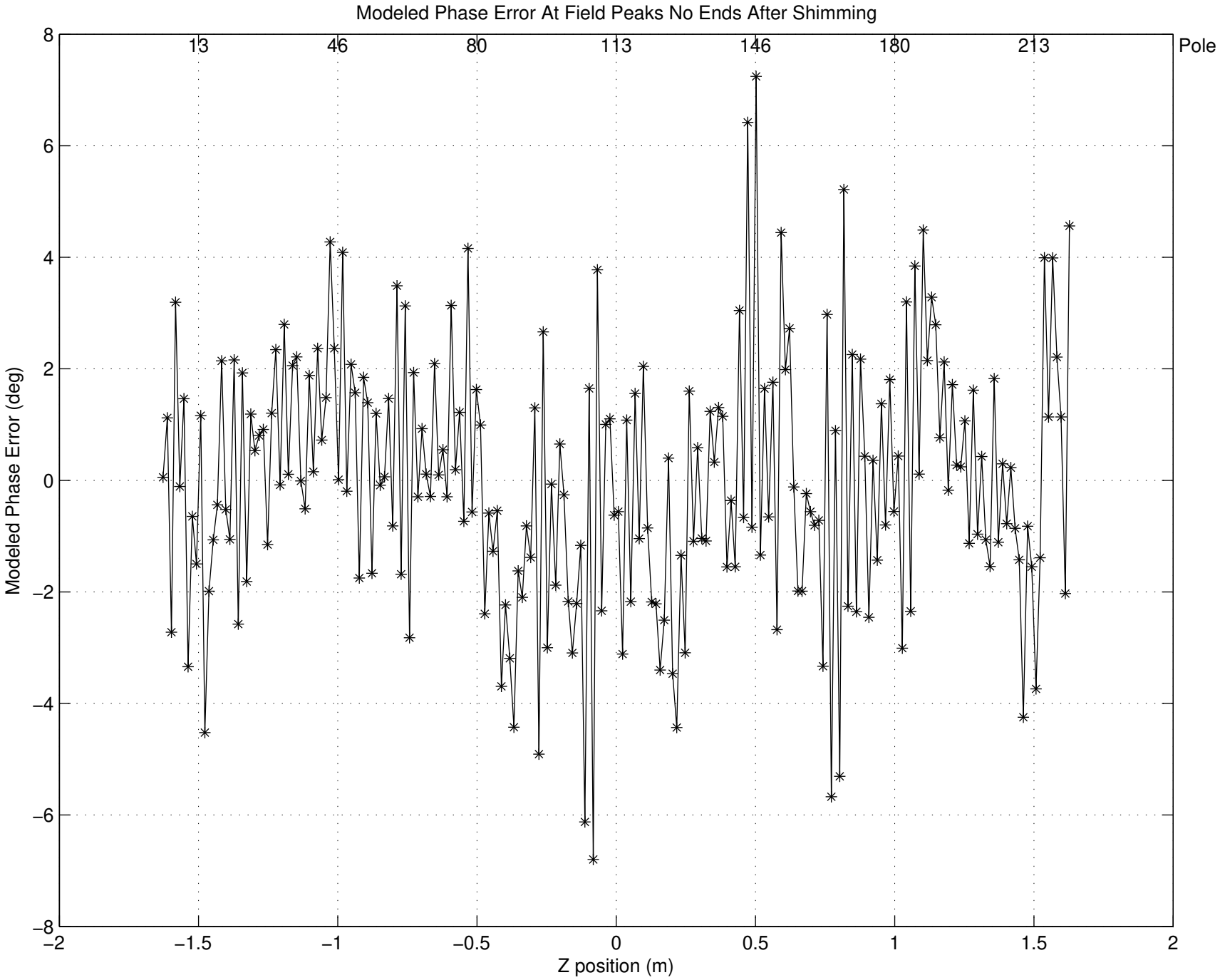
SLAC Magnetic Measurements
Date: 11−16−2012
Time: 10:33:57

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−04
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 21
Measurement Type: Z Scans
Operator: YL
Comment: check; shims glued
Session first run: 20
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−04\DATASET0003\Fine Tuning\Z Scans\Run 021\bscanz.dat

Temperature (C)
L143−112000−04:−−> T1 19.96 −−> T2 19.96 −−> T5 19.94 −−> T3 19.96 −−> Air 19.92 −−> T4 19.95

Axes position (m) X:0.029927 Y:0.000200
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001079 V
Vy_0i = −0.003394 V



Phase Error: Ave = 0.000000 deg, RMS = 2.282665 deg