SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

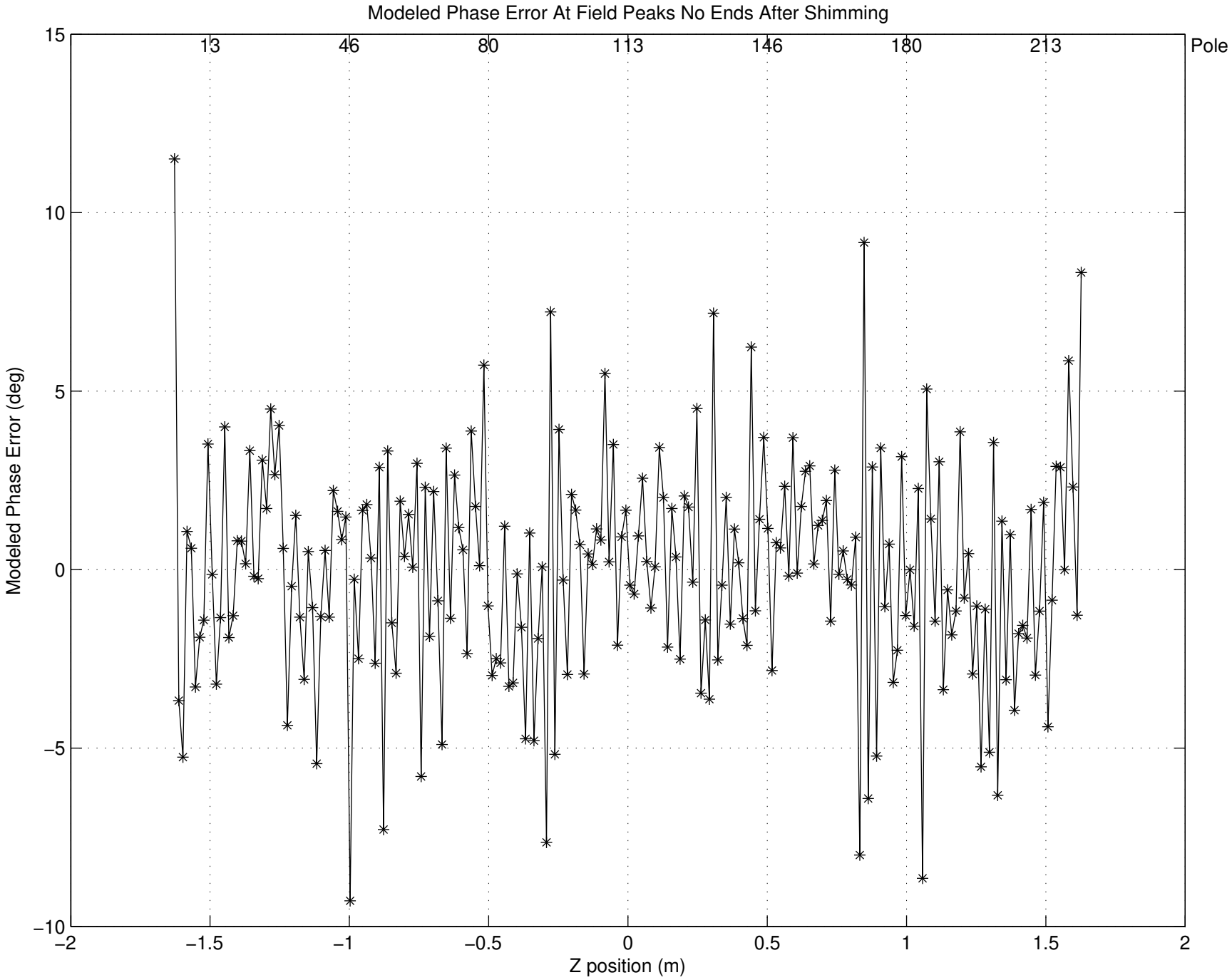
SLAC Magnetic Measurements
Date: 01−10−2013
Time: 10:35:09

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−40
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 18
Measurement Type: Z Scans
Operator: YL
Comment: check; shims glued
Session first run: 16
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−40\DATASET0003\Fine Tuning\Z Scans\Run 018\bscanz.dat

Temperature (C)
L143−112000−40:−−> T1 19.91 −−> T2 19.91 −−> T5 19.87 −−> T3 19.90 −−> Air 19.85 −−> T4 19.88

Axes position (m) X:0.030165 Y:0.000144
Initial Hall Probe Zero Measurements:
$Vx_0i$ = 0.000899 V
$Vy_0i$ = −0.003721 V




Phase Error: Ave = 0.000000 deg, RMS = 3.107074 deg