SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

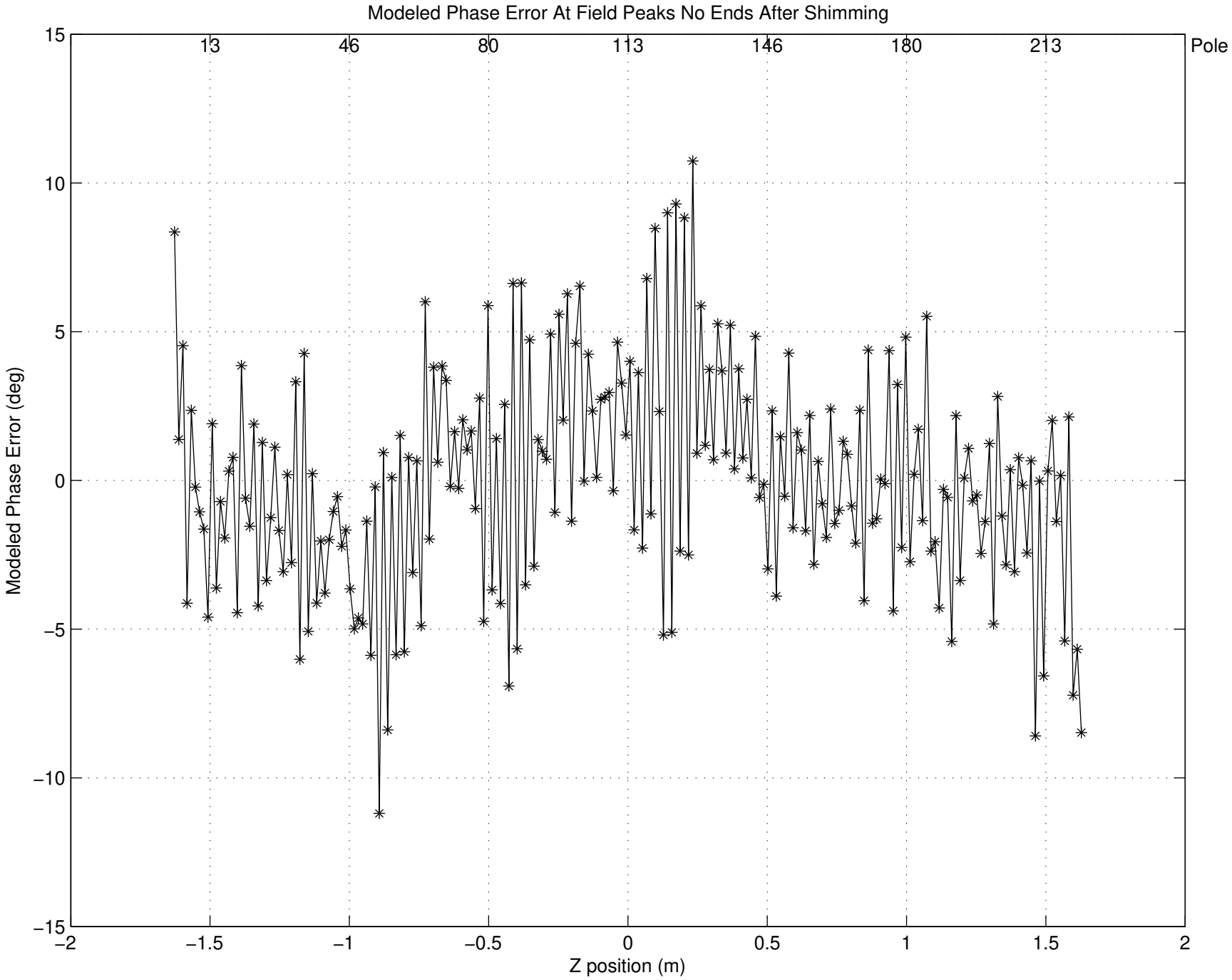
SLAC Magnetic Measurements
Date: 03−01−2011
Time: 17:35:58

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−35
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 11
Measurement Type: Z Scans
Operator: YL
Comment: at min K;
Session first run: 10
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−35\DATASET0004\Fine Tuning\Z Scans\Run 011\bscanz.dat

Temperature (C)
L143−112000−35:−−> T1 20.08 −−> T2 20.07 −−> T5 20.04 −−> T3 20.07 −−> Air 20.12 −−> T4 20.06

Axes position (m) X:0.029845 Y:0.000335
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001172 V
Vy_0i = −0.003600 V



Phase Error: Ave = 0.000000 deg, RMS = 3.681946 deg