SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

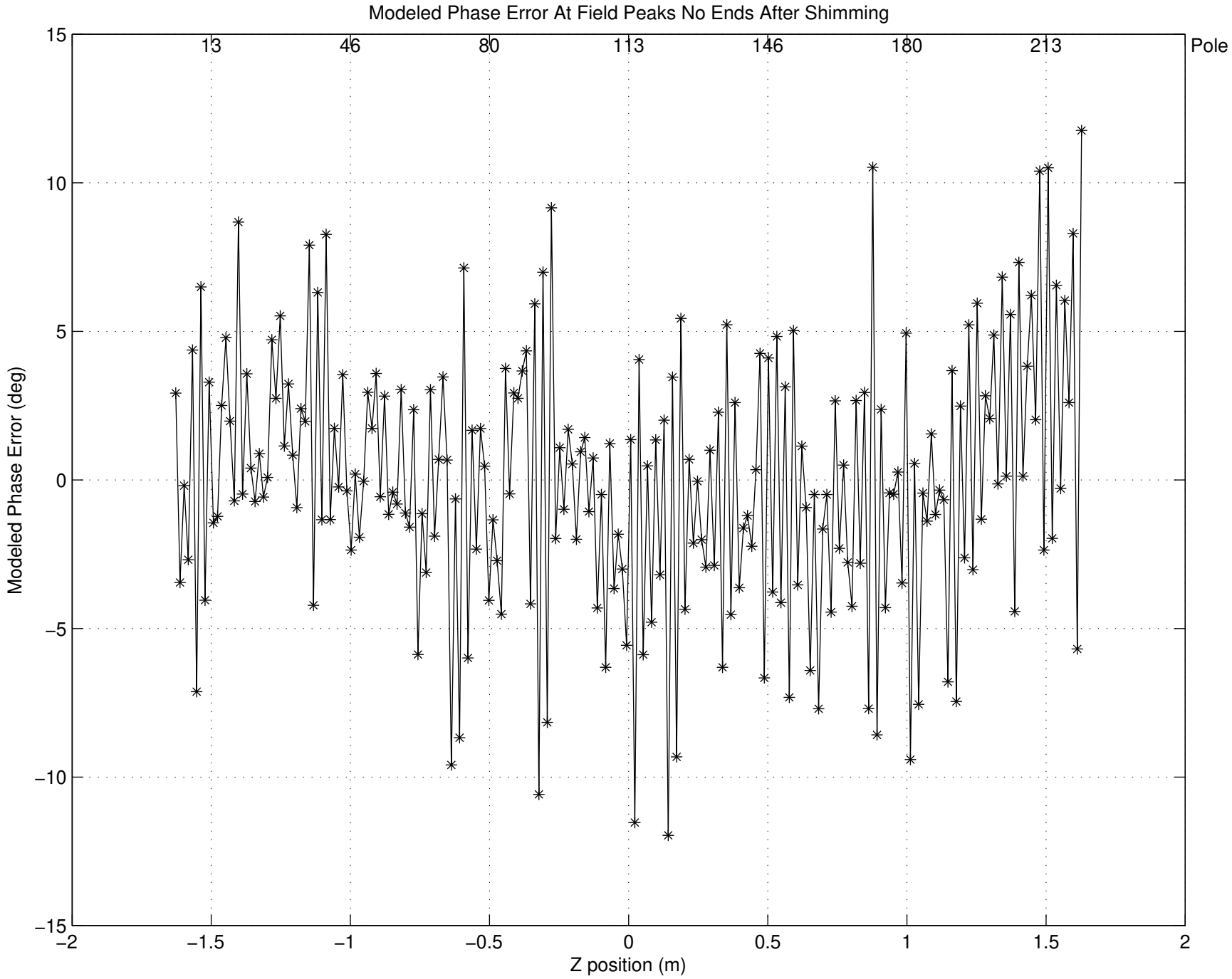
SLAC Magnetic Measurements
Date: 05−23−2012
Time: 16:55:26

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−05
DATASET Number: 2
Tuning Stage: Fine Tuning
Run Number: 4
Measurement Type: Z Scans
Operator: YL
Comment: final
Session first run: 4
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−05\DATASET0002\Fine Tuning\Z Scans\Run 004\bscanz.dat

Temperature (C)
L143−112000−05:−−> T1 19.96 −−> T2 19.95 −−> T5 19.92 −−> T3 19.94 −−> Air 20.03 −−> T4 19.94

Axes position (m) X:0.030058 Y:0.000292
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001048 V
Vy_0i = −0.003137 V



Phase Error: Ave = 0.000000 deg, RMS = 4.365427 deg