SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

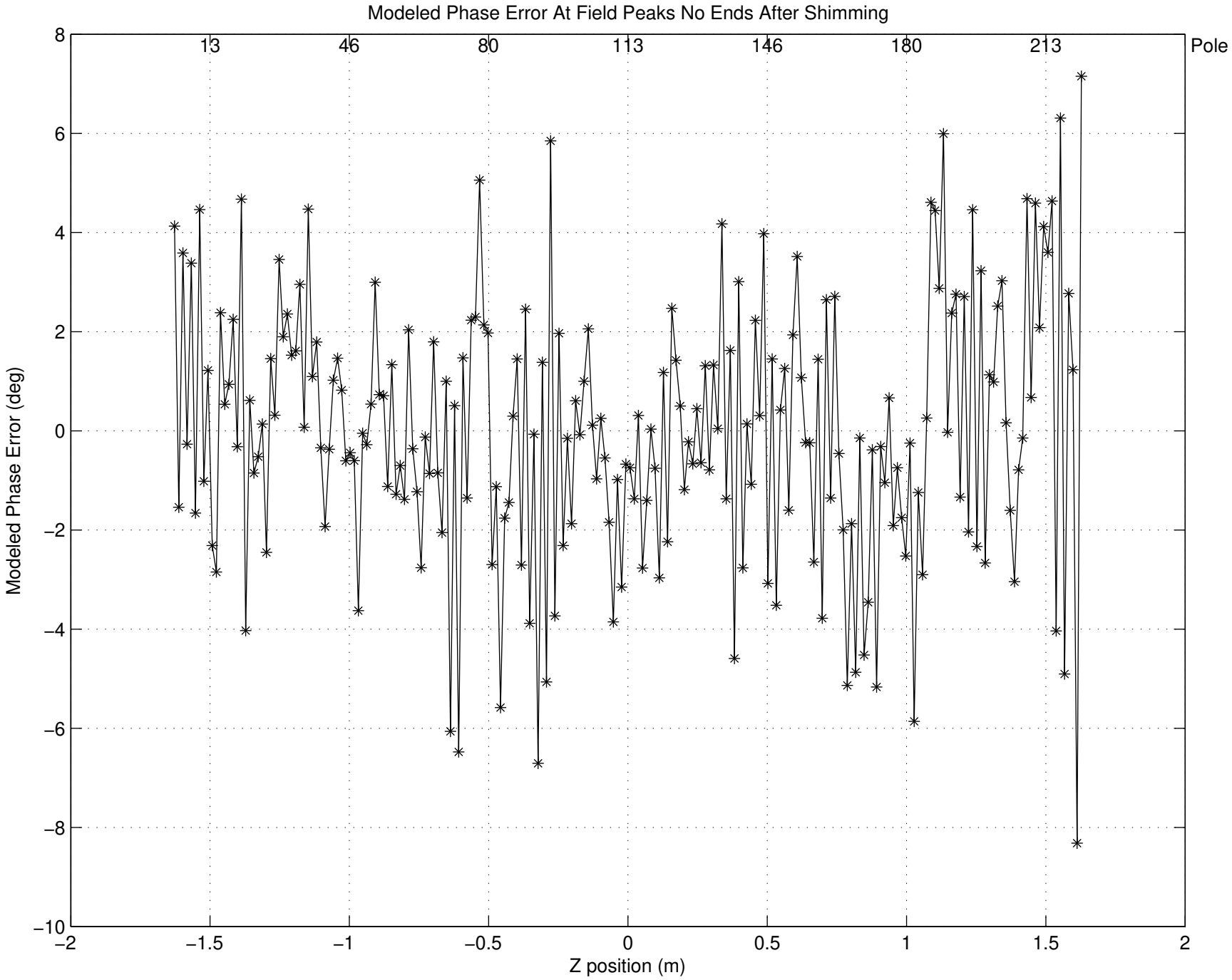
SLAC Magnetic Measurements
Date: 10−05−2011
Time: 11:45:03

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−11
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 27
Measurement Type: Z Scans
Operator: YL
Comment: final scan
Session first run: 25
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−11\DATASET0003\Fine Tuning\Z Scans\Run 027\bscanz.dat

Temperature (C)
L143−112000−11:−−> T1 20.10 −−> T2 20.09 −−> T5 20.07 −−> T3 20.09 −−> Air 20.05 −−> T4 20.07

Axes position (m) X:0.027741 Y:0.000261
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001098 V
Vy_0i = −0.003068 V



Phase Error: Ave = −0.000000 deg, RMS = 2.644122 deg