SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

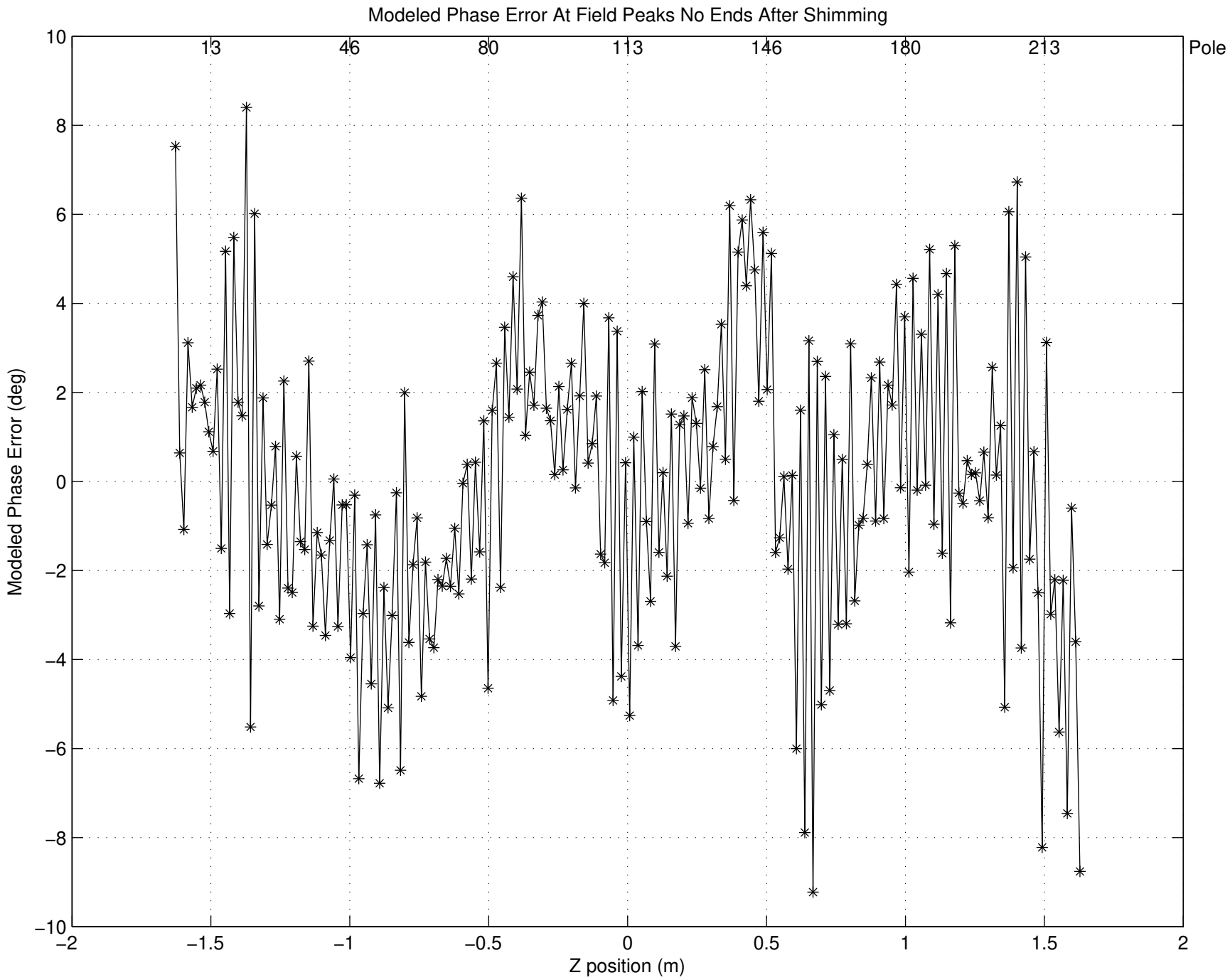
SLAC Magnetic Measurements
Date: 09−24−2013
Time: 11:02:09

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−39
DATASET Number: 8
Tuning Stage: Fine Tuning
Run Number: 9
Measurement Type: Z Scans
Operator: YL
Comment: final scan
Session first run: 7
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: c:\magdata\LCLS\Undulator\L143−112000−39\DATASET0008\Fine Tuning\Z Scans\Run 009\bscanz.dat

Temperature (C)
L143−112000−39:−−> T1 19.98 −−> T2 19.97 −−> T5 19.91 −−> T3 19.97 −−> Air 19.92 −−> T4 19.96

Axes position (m) X:0.029760 Y:0.000180
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000935 V
Vy_0i = −0.003087 V



Phase Error: Ave = 0.000000 deg, RMS = 3.265111 deg