SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

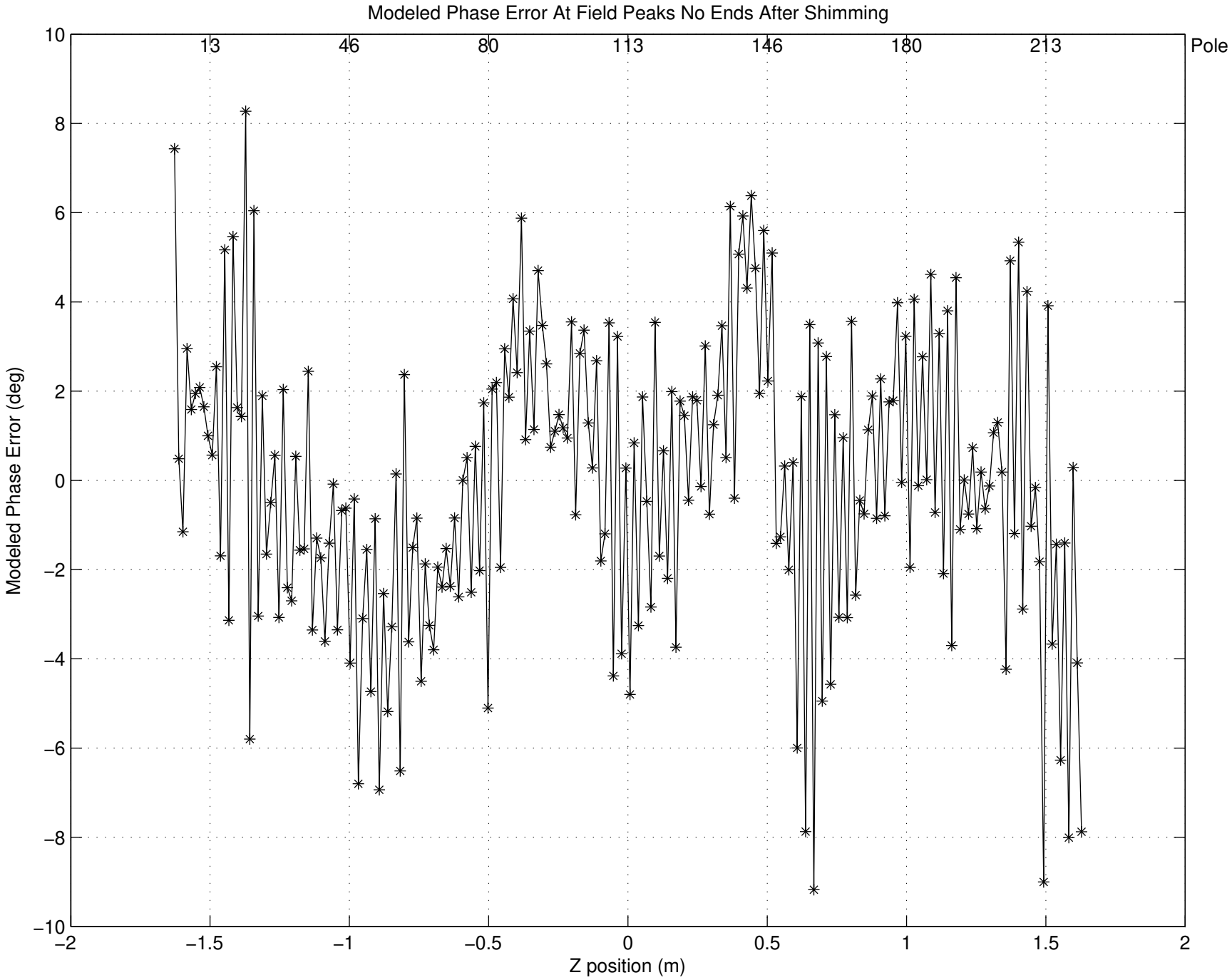
SLAC Magnetic Measurements
Date: 09−20−2013
Time: 15:08:35

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−39
DATASET Number: 8
Tuning Stage: Fine Tuning
Run Number: 4
Measurement Type: Z Scans
Operator: YL
Comment: tuning
Session first run: 3
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: c:\magdata\LCLS\Undulator\L143−112000−39\DATASET0008\Fine Tuning\Z Scans\Run 004\bscanz.dat

Temperature (C)
L143−112000−39:−−> T1 20.04 −−> T2 20.06 −−> T5 19.95 −−> T3 20.06 −−> Air 20.02 −−> T4 20.01

Axes position (m) X:0.029767 Y:0.000185
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000900 V
Vy_0i = −0.003189 V



Phase Error: Ave = −0.000000 deg, RMS = 3.223637 deg