SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

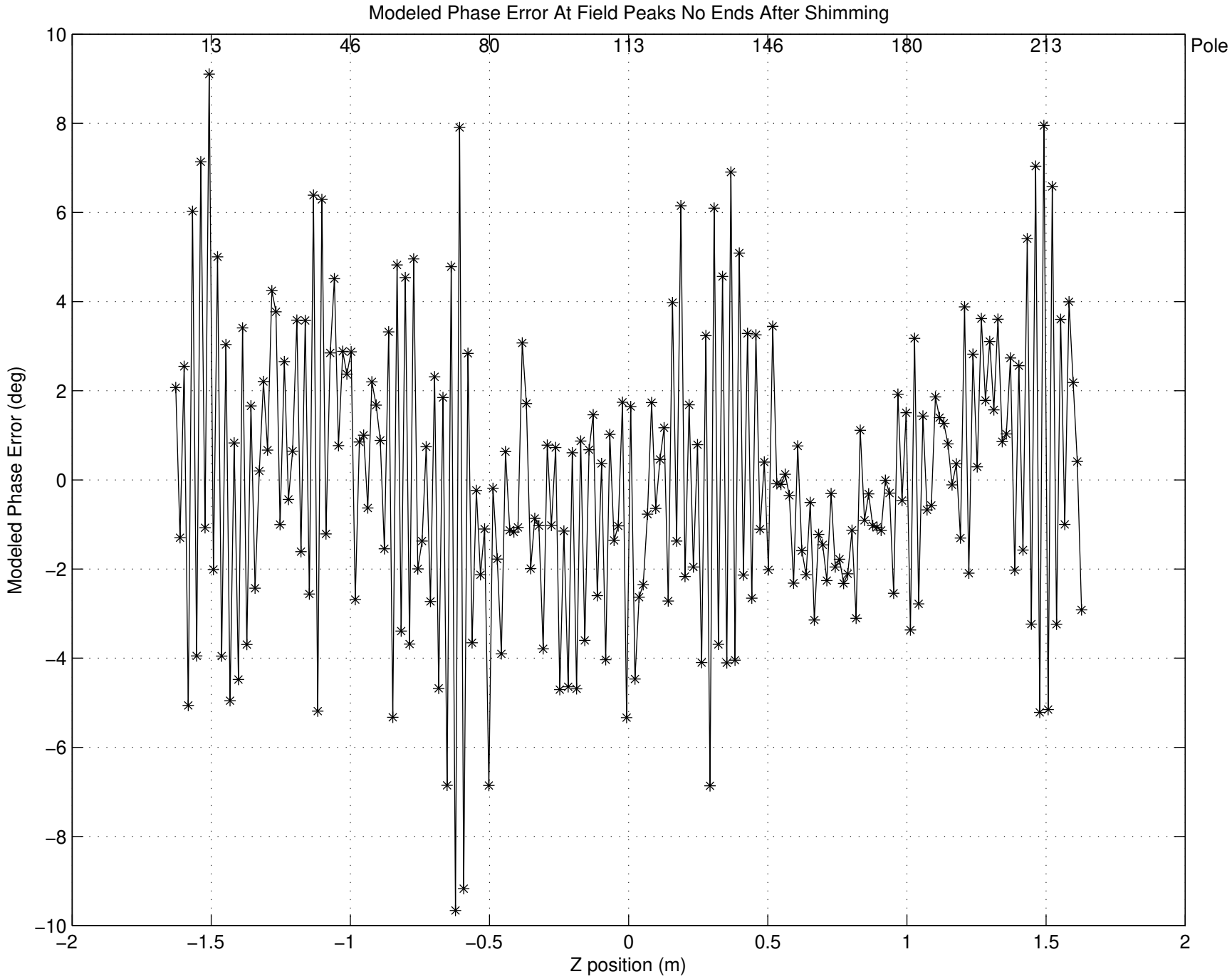
SLAC Magnetic Measurements
Date: 08−10−2012
Time: 12:48:55

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−08
DATASET Number: 5
Tuning Stage: Fine Tuning
Run Number: 3
Measurement Type: Z Scans
Operator: YL
Comment: at min K; check
Session first run: 3
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−08\DATASET0005\Fine Tuning\Z Scans\Run 003\bscanz.dat

Temperature (C)
L143−112000−08:−−> T1 19.90 −−> T2 19.88 −−> T5 19.90 −−> T3 19.89 −−> Air 19.92 −−> T4 19.89

Axes position (m) X:0.029920 Y:0.000246
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001037 V
Vy_0i = −0.003023 V



Phase Error: Ave = 0.000000 deg, RMS = 3.265144 deg