SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

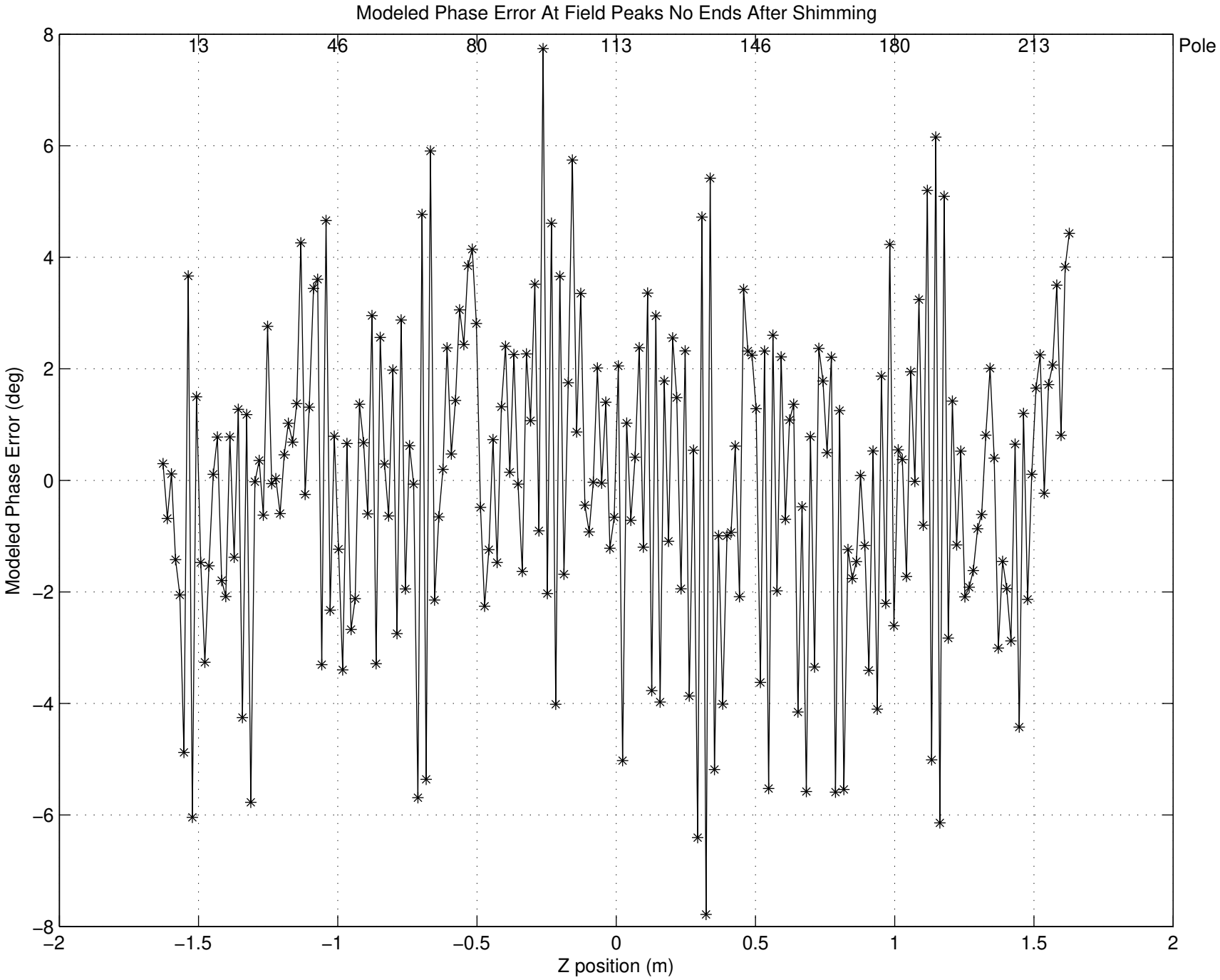
SLAC Magnetic Measurements
Date: 02−06−2014
Time: 09:35:39

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−25
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 12
Measurement Type: Z Scans
Operator: YL
Comment: at min K; before final
Session first run: 11
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−25\DATASET0003\Fine Tuning\Z Scans\Run 012\bscanz.dat

Temperature (C)
L143−112000−25:−−> T1 19.91 −−> T2 19.90 −−> T5 19.83 −−> T3 19.91 −−> Air 19.84 −−> T4 19.87

Axes position (m) X:0.030065 Y:0.000135
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001251 V
Vy_0i = −0.003290 V



Phase Error: Ave = −0.000000 deg, RMS = 2.785543 deg