SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

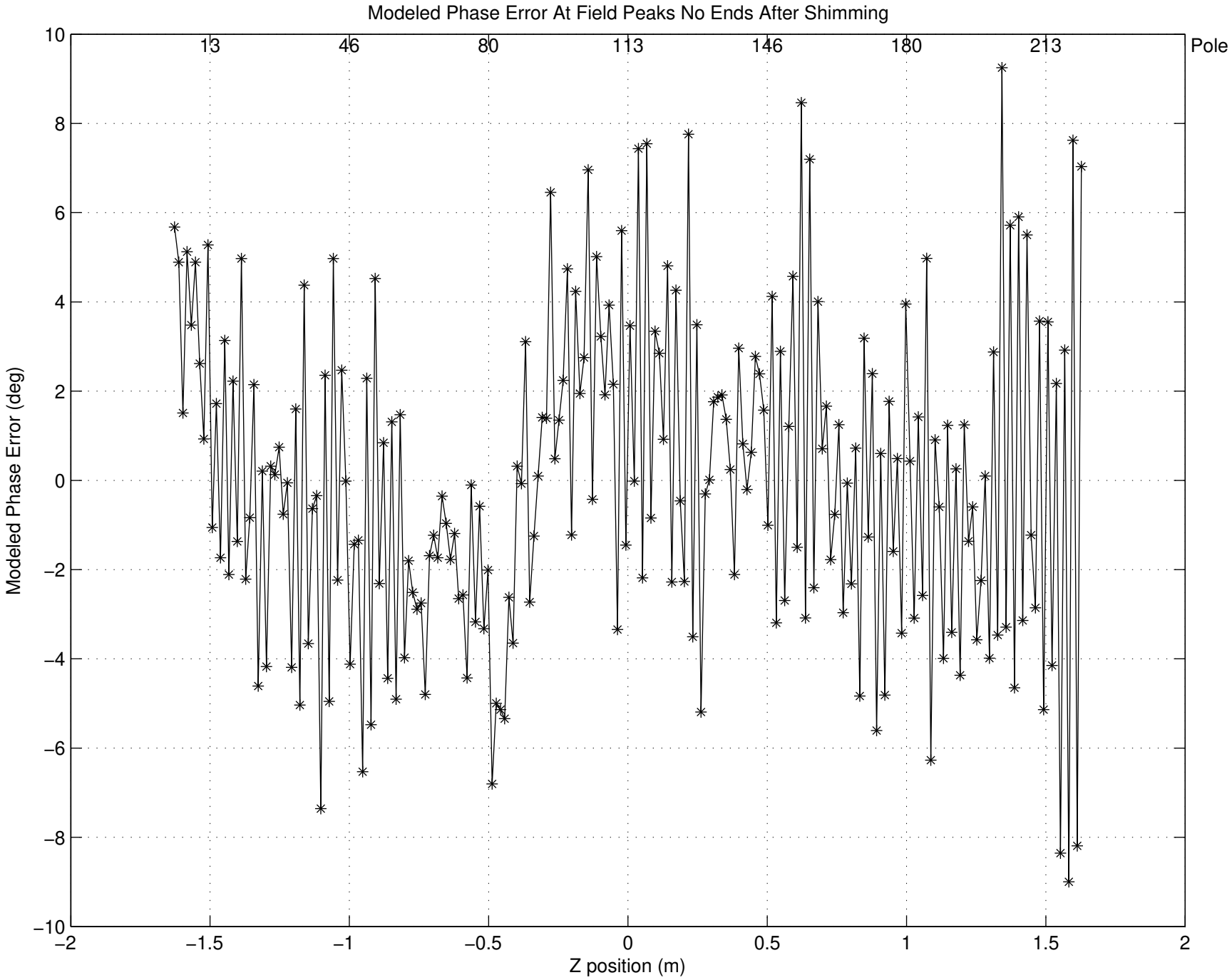
SLAC Magnetic Measurements
Date: 03−03−2014
Time: 09:22:15

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−09
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 9
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; before final
Session first run: 8
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−09\DATASET0003\Fine Tuning\Z Scans\Run 009\bscanz.dat

Temperature (C)
L143−112000−09:−−> T1 19.96 −−> T2 19.92 −−> T5 19.88 −−> T3 19.91 −−> Air 19.87 −−> T4 19.87

Axes position (m) X:0.029889 Y:0.000245
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001164 V
Vy_0i = −0.002985 V



Phase Error: Ave = −0.000000 deg, RMS = 3.562464 deg