SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

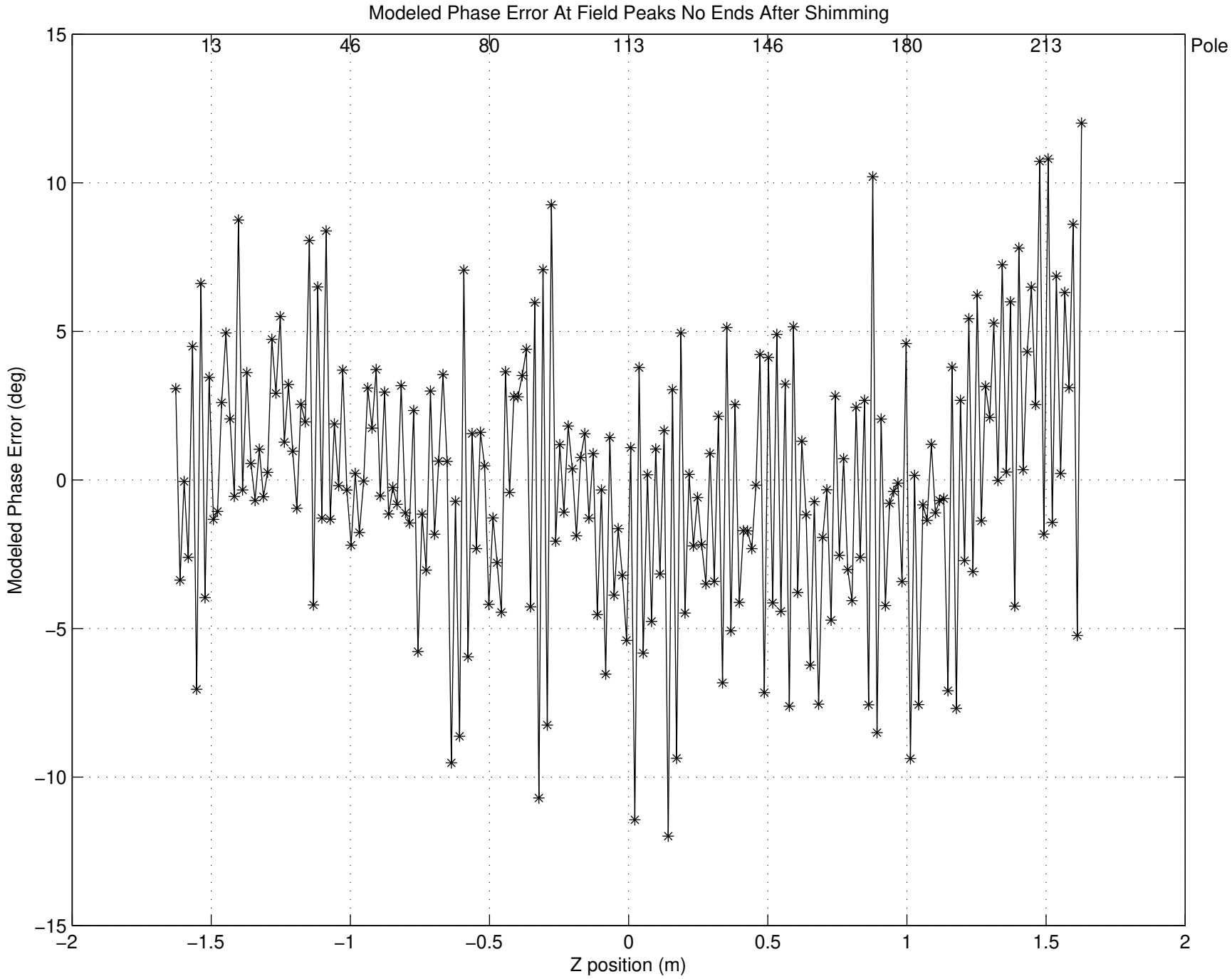
SLAC Magnetic Measurements
Date: 04−25−2014
Time: 08:52:46

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−05
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 13
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; before final
Session first run: 13
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−05\DATASET0003\Fine Tuning\Z Scans\Run 013\bscanz.dat

Temperature (C)
L143−112000−05:−−> T1 19.92 −−> T2 19.90 −−> T5 19.82 −−> T3 19.90 −−> Air 19.87 −−> T4 19.87

Axes position (m) X:0.029950 Y:0.000128
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001121 V
Vy_0i = −0.003196 V



Phase Error: Ave = −0.000000 deg, RMS = 4.424782 deg