SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

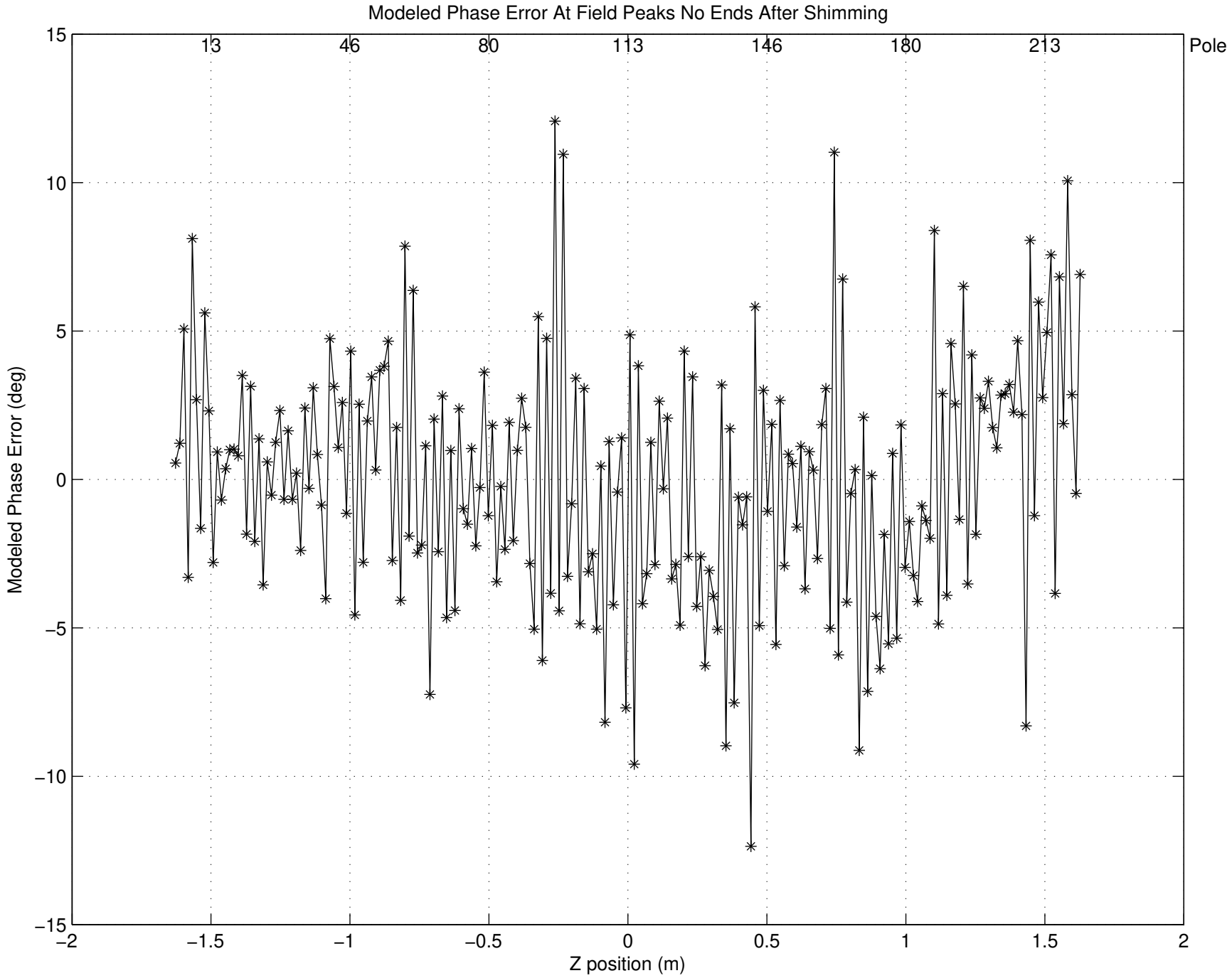
SLAC Magnetic Measurements
Date: 04−17−2012
Time: 16:30:56

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−32
DATASET Number: 5
Tuning Stage: Fine Tuning
Run Number: 15
Measurement Type: Z Scans
Operator: YL
Comment: tuning; fourth gap iteration
Session first run: 13
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−32\DATASET0005\Fine Tuning\Z Scans\Run 015\bscanz.dat

Temperature (C)
L143−112000−32:−−> T1 20.00 −−> T2 19.98 −−> T5 19.96 −−> T3 19.97 −−> Air 20.03 −−> T4 20.02

Axes position (m) X:0.030142 Y:0.000251
Initial Hall Probe Zero Measurements:
$Vx_0i$ = 0.000943 V
$Vy_0i$ = −0.003605 V




Phase Error: Ave = 0.000000 deg, RMS = 4.073905 deg