SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

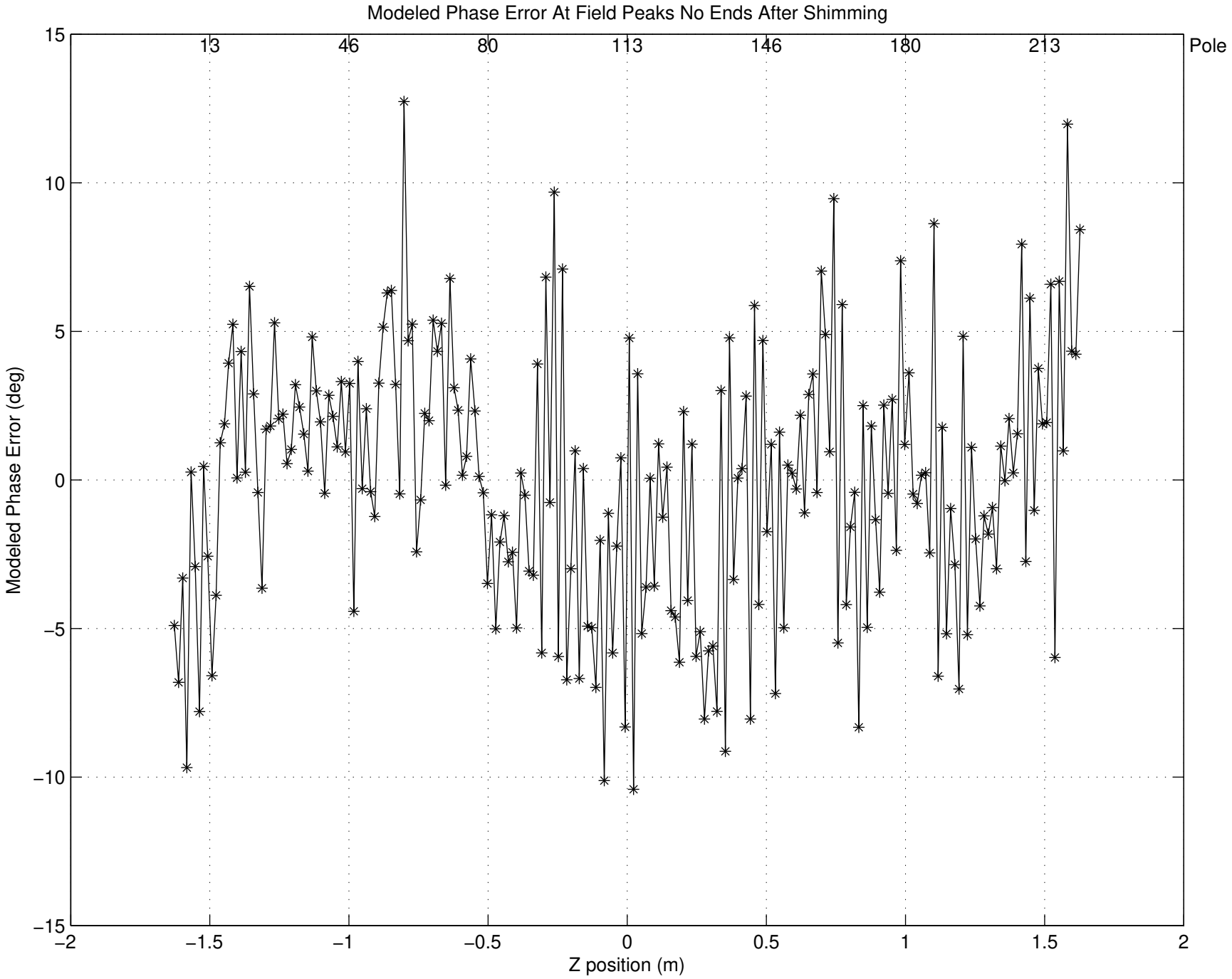
SLAC Magnetic Measurements
Date: 04−06−2012
Time: 14:43:06

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−32
DATASET Number: 5
Tuning Stage: Fine Tuning
Run Number: 4
Measurement Type: Z Scans
Operator: YL
Comment: tuning; first gap iteration
Session first run: 2
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−32\DATASET0005\Fine Tuning\Z Scans\Run 004\bscanz.dat

Temperature (C)
L143−112000−32:−−> T1 20.02 −−> T2 20.01 −−> T5 20.00 −−> T3 20.01 −−> Air 19.97 −−> T4 20.01

Axes position (m) X:0.030146 Y:0.000219
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000984 V
Vy_0i = −0.003666 V



Phase Error: Ave = 0.000000 deg, RMS = 4.365604 deg