SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

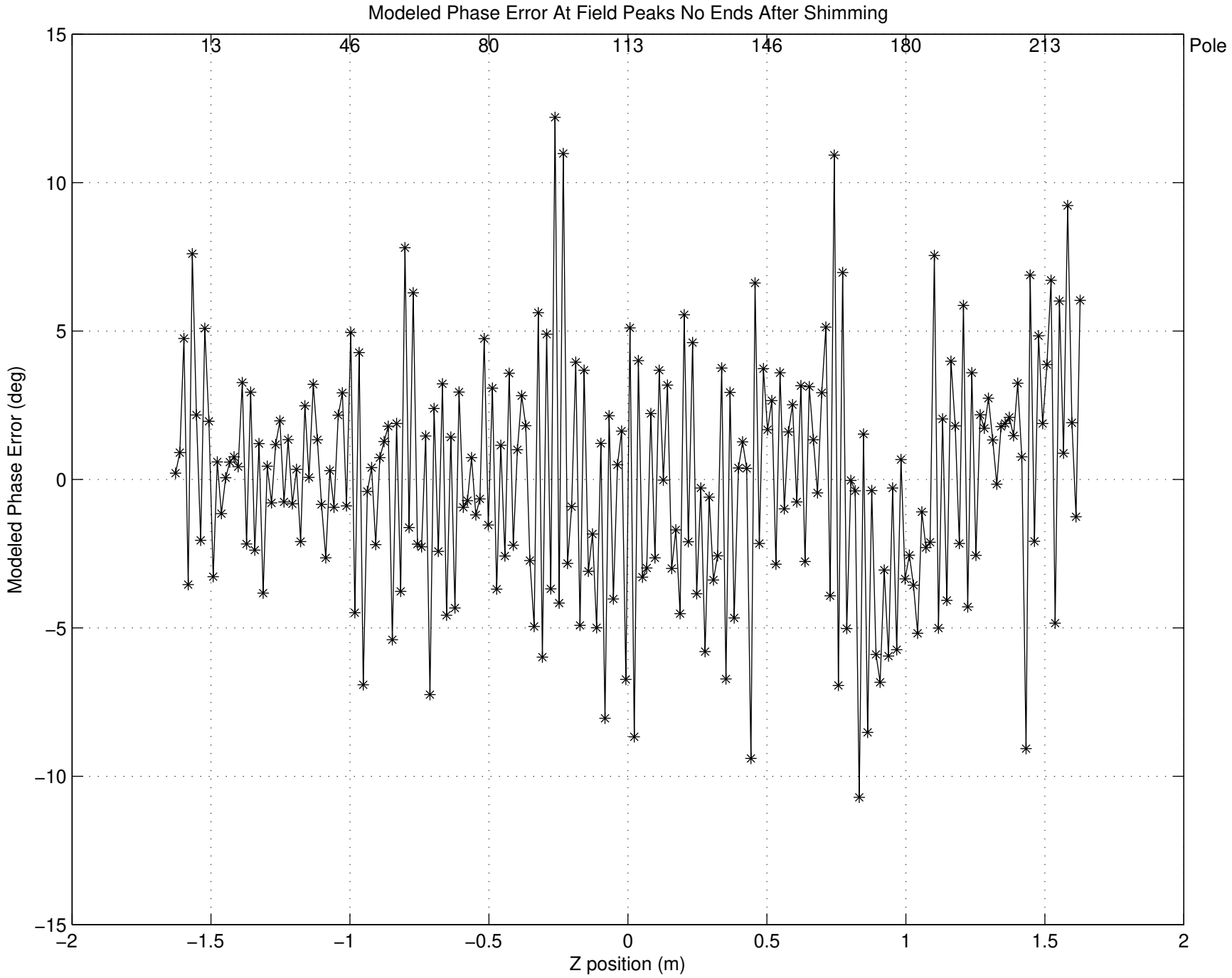
SLAC Magnetic Measurements
Date: 04−23−2012
Time: 13:34:14

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−32
DATASET Number: 5
Tuning Stage: Fine Tuning
Run Number: 22
Measurement Type: Z Scans
Operator: YL
Comment: at min K; shims glued
Session first run: 21
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−32\DATASET0005\Fine Tuning\Z Scans\Run 022\bscanz.dat

Temperature (C)
L143−112000−32:−−> T1 20.01 −−> T2 20.00 −−> T5 19.96 −−> T3 19.99 −−> Air 20.00 −−> T4 19.98

Axes position (m) X:0.030224 Y:0.000265
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001041 V
Vy_0i = −0.003192 V



Phase Error: Ave = 0.000000 deg, RMS = 3.959505 deg