SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

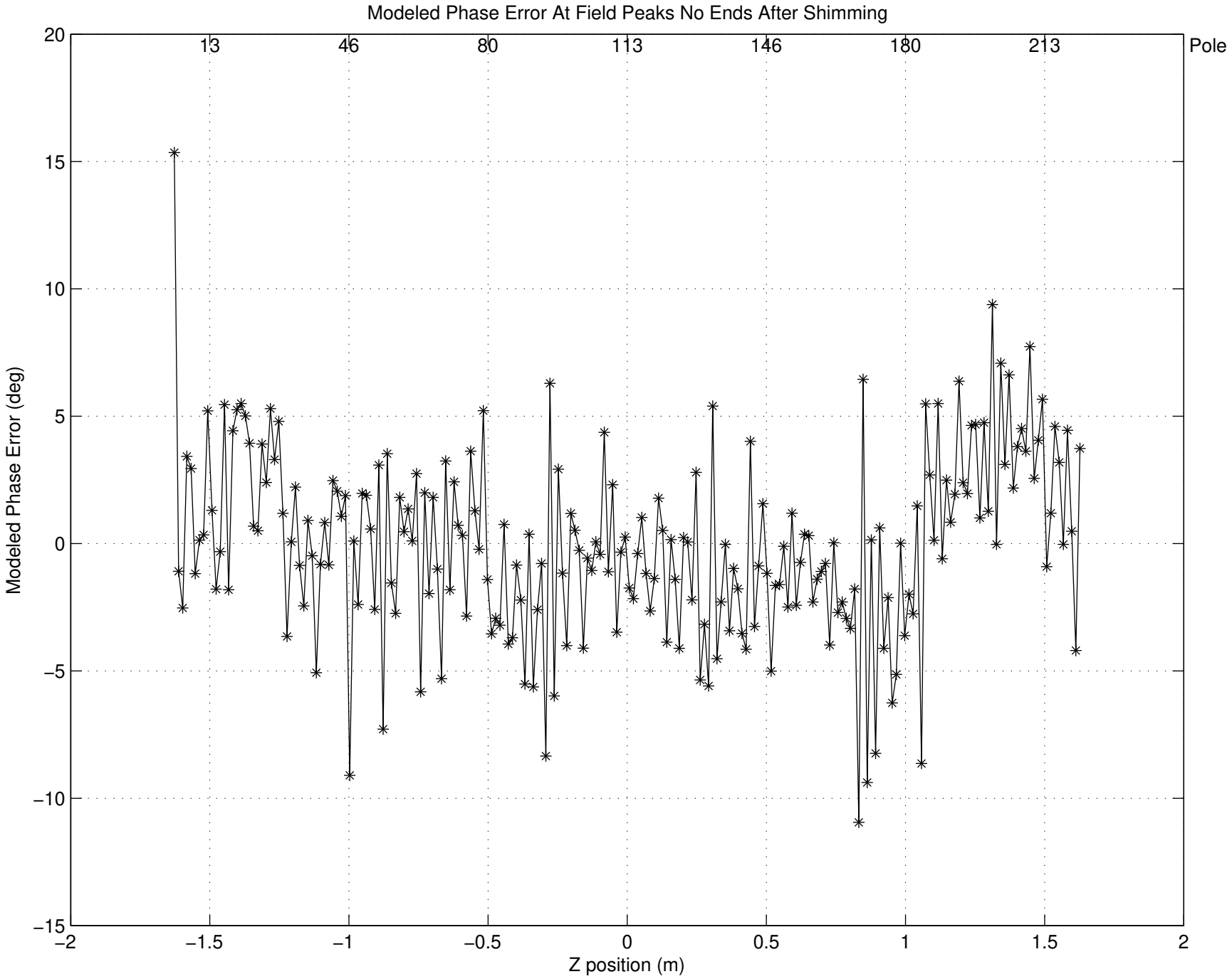
SLAC Magnetic Measurements
Date: 01−10−2013
Time: 11:11:18

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−40
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 19
Measurement Type: Z Scans
Operator: YL
Comment: check; shims glued
Session first run: 16
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−40\DATASET0003\Fine Tuning\Z Scans\Run 019\bscanz.dat

Temperature (C)
L143−112000−40:−−> T1 19.91 −−> T2 19.90 −−> T5 19.87 −−> T3 19.90 −−> Air 19.89 −−> T4 19.88

Axes position (m) X:0.030119 Y:0.000144
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000975 V
Vy_0i = −0.003722 V



Phase Error: Ave = 0.000000 deg, RMS = 3.617292 deg