SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

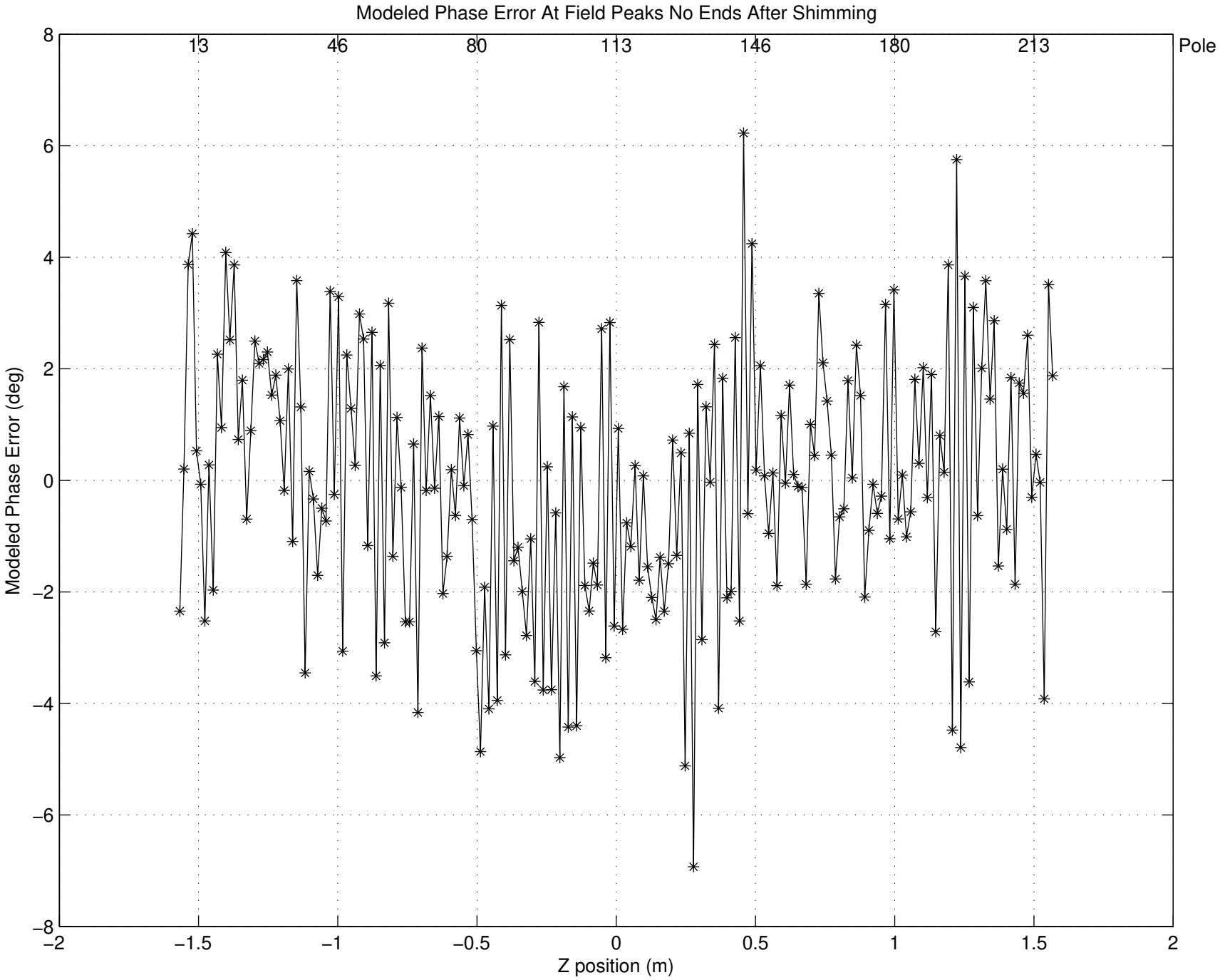
SLAC Magnetic Measurements
Date: 07−08−2010
Time: 10:06:42

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−01
DATASET Number: 1
Tuning Stage: Fine Tuning
Run Number: 15
Measurement Type: Z Scans
Operator: YL
Comment: check, shims glued
Session first run: 13
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−01\DATASET0001\Fine Tuning\Z Scans\Run 015\bscanz.dat

Temperature (C)
L143−112000−01:−−> T5 20.01 −−> T2 20.01 −−> T1 20.03 −−> T3 20.02 −−> Air 20.08 −−> T4 20.02

Axes position (m) X:0.038446 Y:0.000286
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001140 V
Vy_0i = −0.002871 V



Phase Error: Ave = −0.000000 deg, RMS = 2.324315 deg