SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

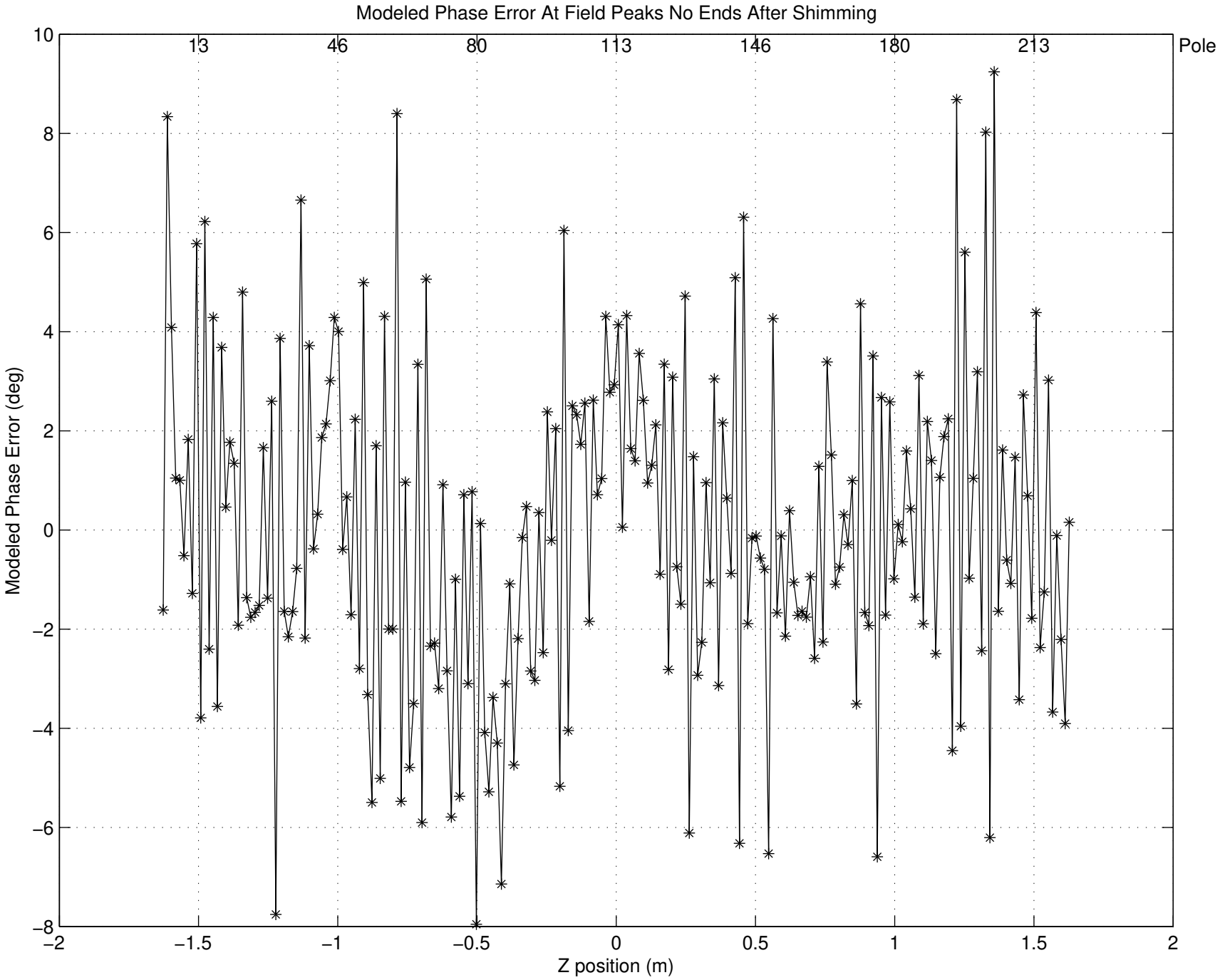
SLAC Magnetic Measurements
Date: 04−27−2012
Time: 08:58:35

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−31
DATASET Number: 6
Tuning Stage: Fine Tuning
Run Number: 15
Measurement Type: Z Scans
Operator: YL
Comment: tuning; fifth gap adjustment
Session first run: 15
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−31\DATASET0006\Fine Tuning\Z Scans\Run 015\bscanz.dat

Temperature (C)
L143−112000−31:−−> T1 19.96 −−> T2 19.95 −−> T5 19.91 −−> T3 19.95 −−> Air 19.88 −−> T4 19.94

Axes position (m) X:0.029861 Y:0.000290
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001035 V
Vy_0i = −0.003231 V



Phase Error: Ave = −0.000000 deg, RMS = 3.303664 deg