SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

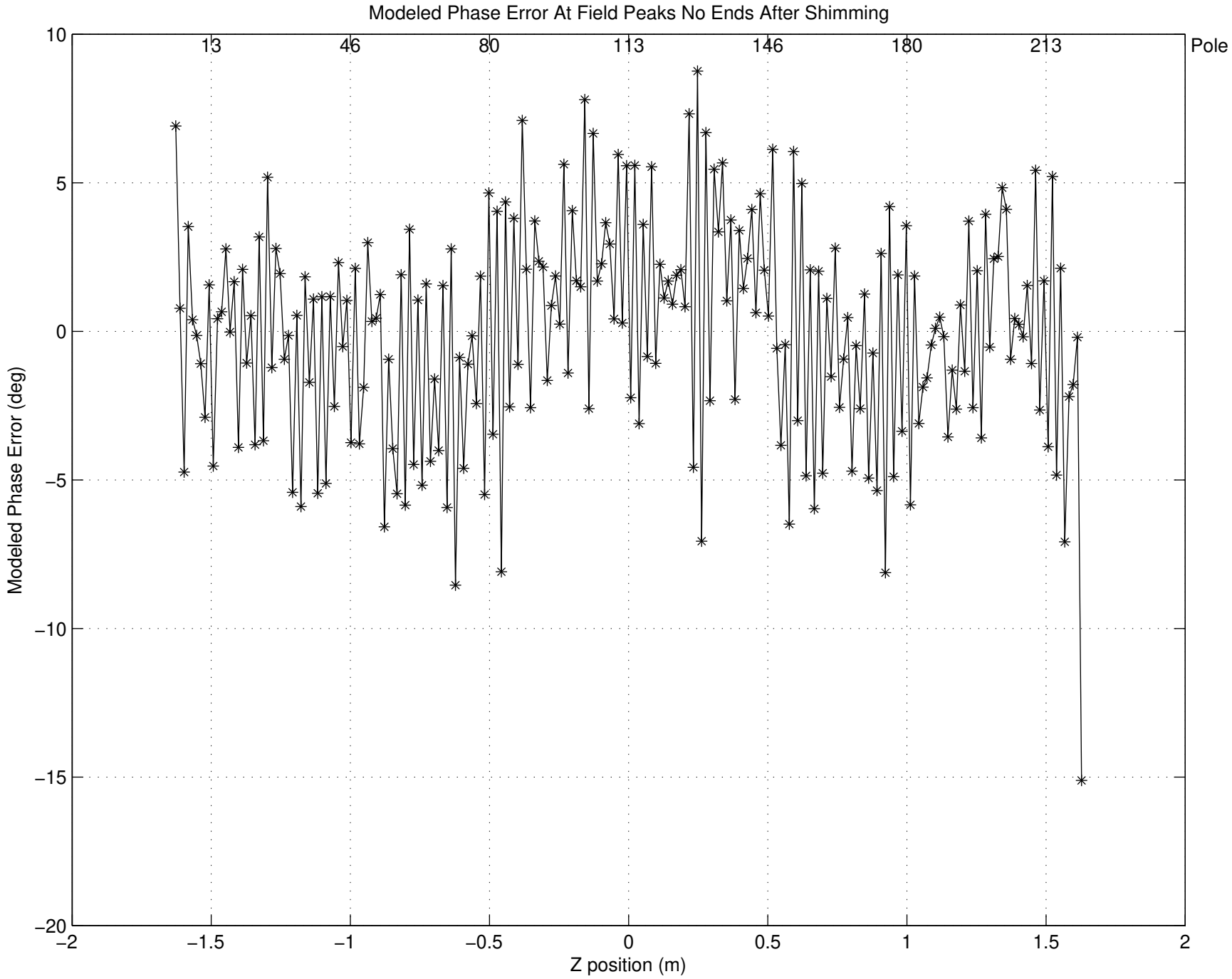
SLAC Magnetic Measurements
Date: 03−15−2011
Time: 14:09:03

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−13
DATASET Number: 34
Tuning Stage: Fine Tuning
Run Number: 5
Measurement Type: Z Scans
Operator: YL
Comment: at min K; before final
Session first run: 4
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−13\DATASET0034\Fine Tuning\Z Scans\Run 005\bscanz.dat

Temperature (C)
L143−112000−13:−−> T1 19.98 −−> T2 19.97 −−> T5 19.94 −−> T3 19.97 −−> Air 20.03 −−> T4 19.96

Axes position (m) X:0.029912 Y:0.000324
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001187 V
Vy_0i = −0.003234 V



Phase Error: Ave = −0.000000 deg, RMS = 3.681495 deg