SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

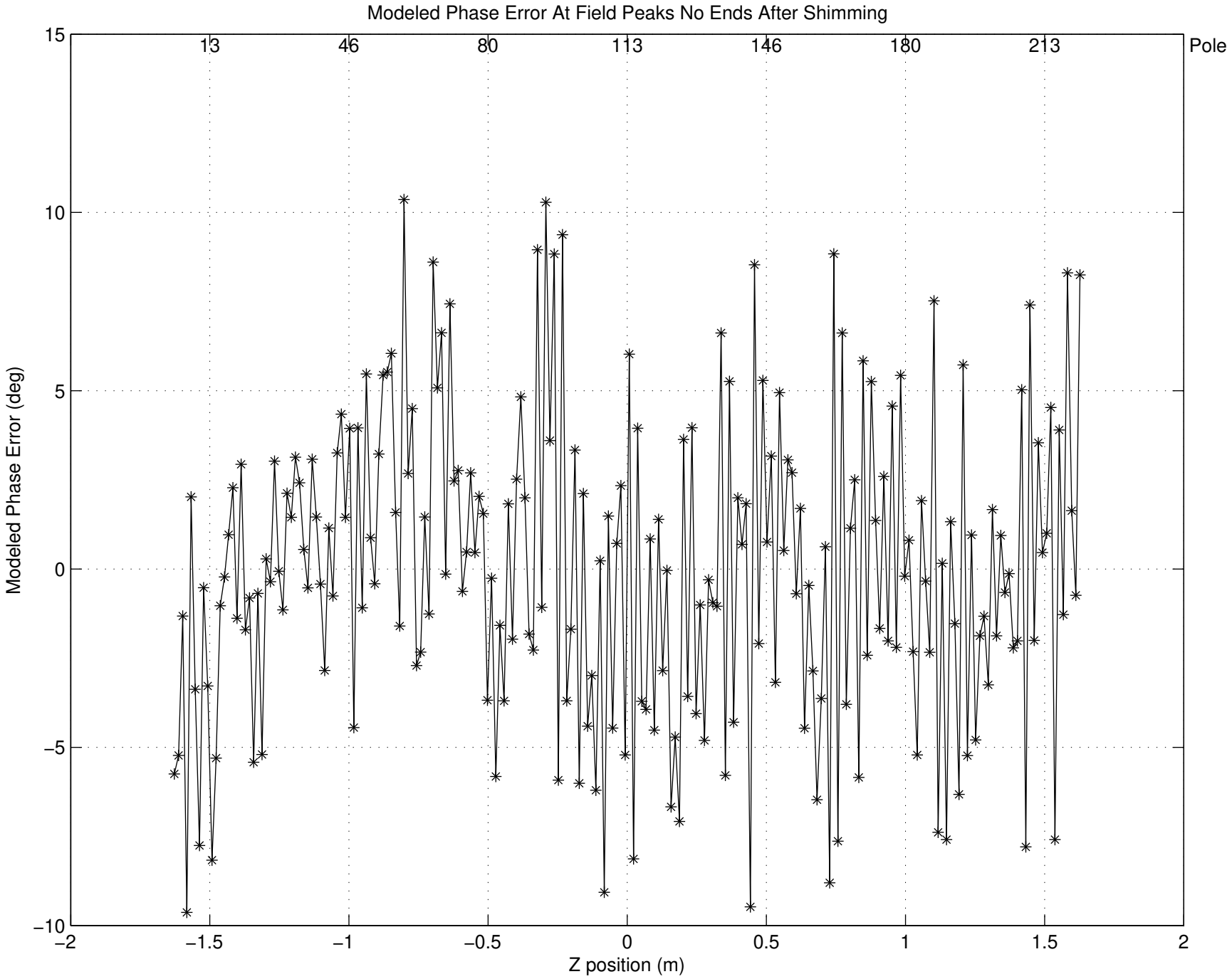
SLAC Magnetic Measurements
Date: 04−09−2012
Time: 10:32:34

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−32
DATASET Number: 5
Tuning Stage: Fine Tuning
Run Number: 5
Measurement Type: Z Scans
Operator: YL
Comment: tuning; first gap iteration
Session first run: 5
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−32\DATASET0005\Fine Tuning\Z Scans\Run 005\bscanz.dat

Temperature (C)
L143−112000−32:−−> T1 19.92 −−> T2 19.89 −−> T5 19.85 −−> T3 19.89 −−> Air 19.87 −−> T4 19.87

Axes position (m) X:0.030146 Y:0.000219
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000966 V
Vy_0i = −0.003700 V



Phase Error: Ave = 0.000000 deg, RMS = 4.257977 deg