SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

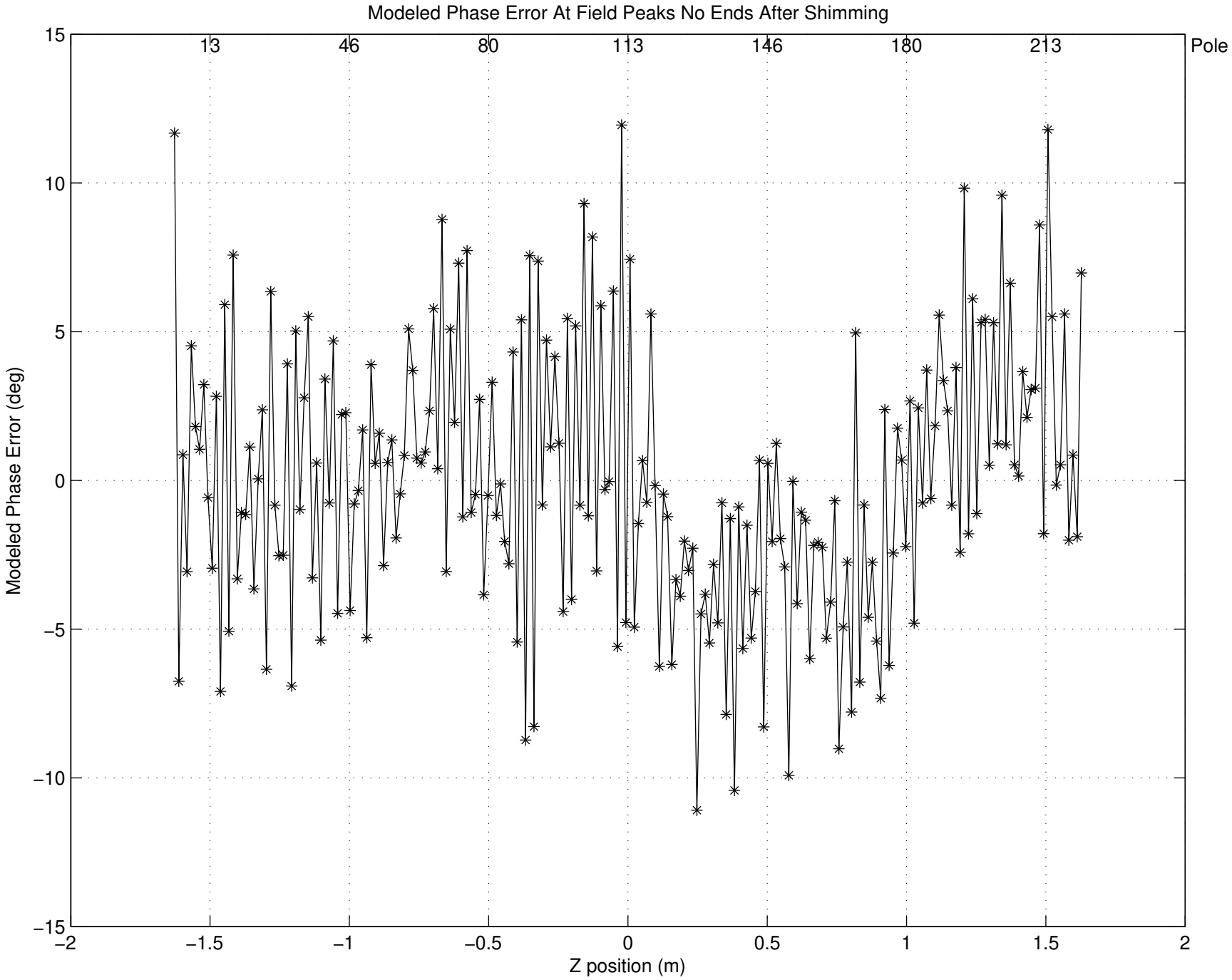
SLAC Magnetic Measurements
Date: 11−15−2013
Time: 09:51:03

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−28
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 4
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 4
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−28\DATASET0003\Fine Tuning\Z Scans\Run 004\bscanz.dat

Temperature (C)
L143−112000−28:−−> T1 19.98 −−> T2 19.96 −−> T5 19.92 −−> T3 19.97 −−> Air 19.91 −−> T4 19.94

Axes position (m) X:0.029442 Y:0.000169
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001193 V
Vy_0i = −0.003117 V



Phase Error: Ave = 0.000000 deg, RMS = 4.503318 deg