SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

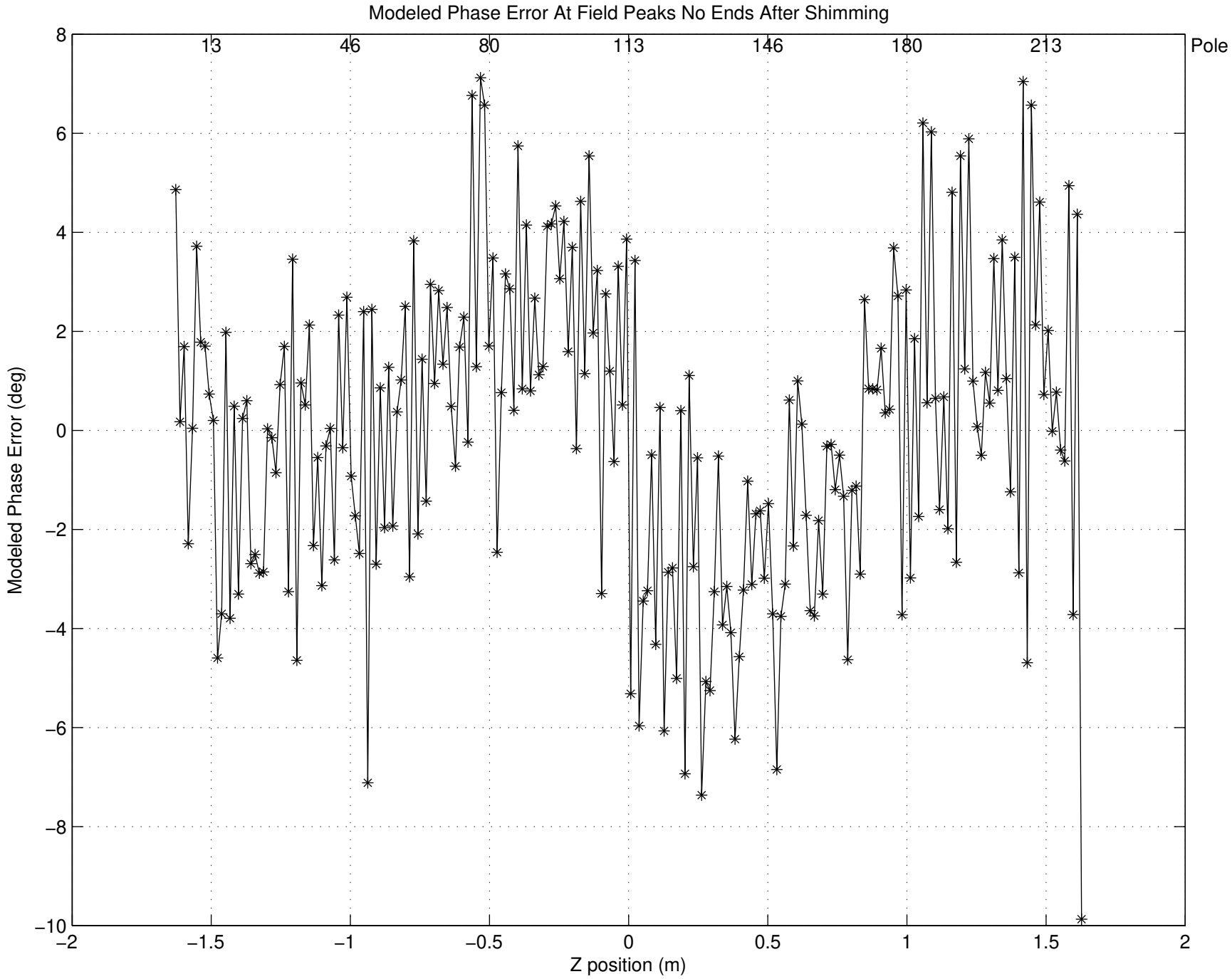
SLAC Magnetic Measurements
Date: 02−25−2013
Time: 09:47:22

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−03
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 8
Measurement Type: Z Scans
Operator: YL
Comment: final measurements
Session first run: 7
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−03\DATASET0003\Fine Tuning\Z Scans\Run 008\bscanz.dat

Temperature (C)
L143−112000−03:−−> T1 19.95 −−> T2 19.94 −−> T5 19.90 −−> T3 19.92 −−> Air 19.97 −−> T4 19.91

Axes position (m) X:0.028702 Y:0.000241
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000764 V
Vy_0i = −0.003749 V



Phase Error: Ave = 0.000000 deg, RMS = 3.141441 deg