SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

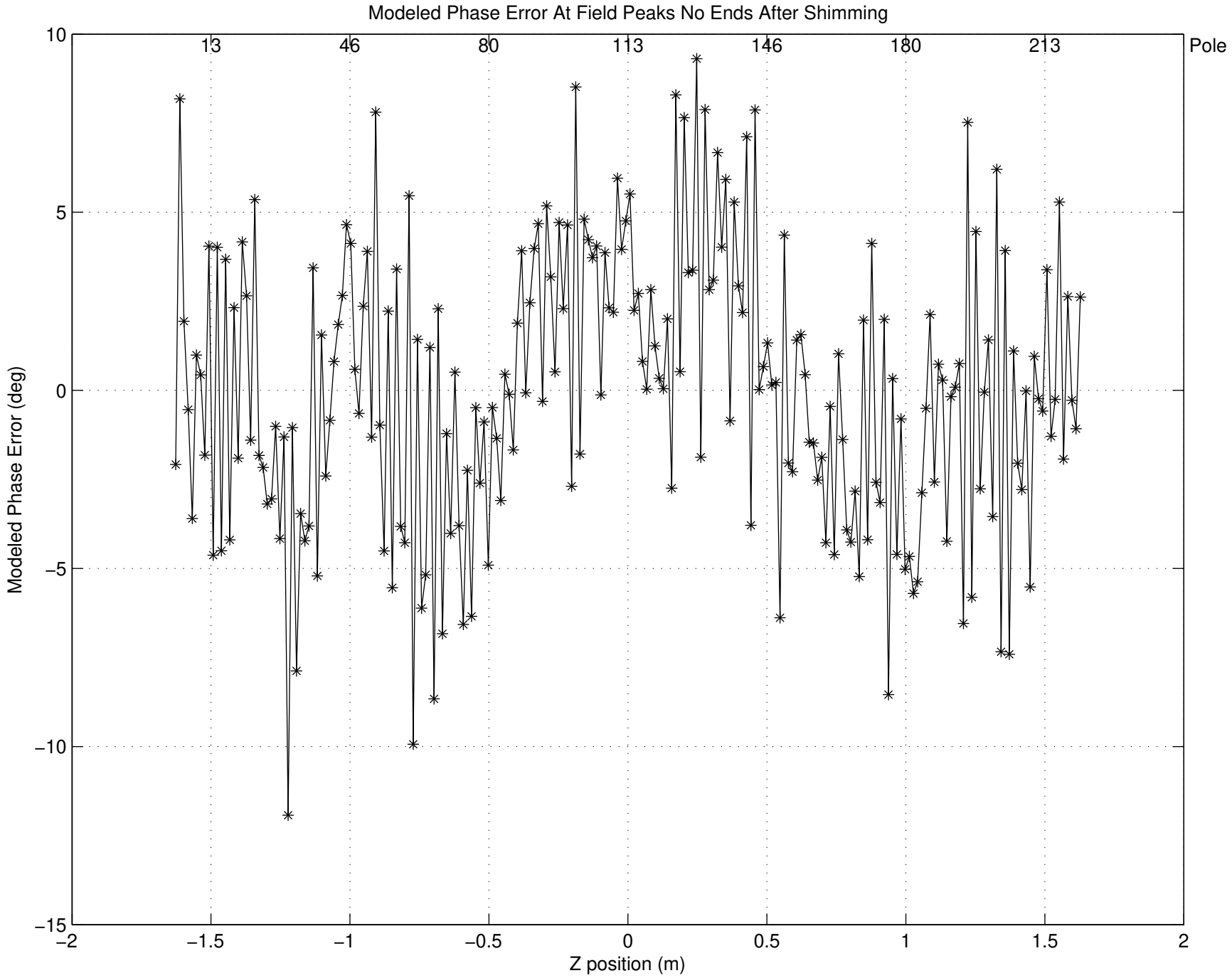
SLAC Magnetic Measurements
Date: 04−12−2012
Time: 14:03:46

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−31
DATASET Number: 6
Tuning Stage: Fine Tuning
Run Number: 8
Measurement Type: Z Scans
Operator: YL
Comment: at min K; first gap iteration
Session first run: 7
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−31\DATASET0006\Fine Tuning\Z Scans\Run 008\bscanz.dat

Temperature (C)
L143−112000−31:−−> T1 20.01 −−> T2 19.98 −−> T5 19.94 −−> T3 19.98 −−> Air 19.93 −−> T4 19.96

Axes position (m) X:0.029785 Y:0.000267
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000980 V
Vy_0i = −0.003480 V



Phase Error: Ave = −0.000000 deg, RMS = 3.917537 deg