SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

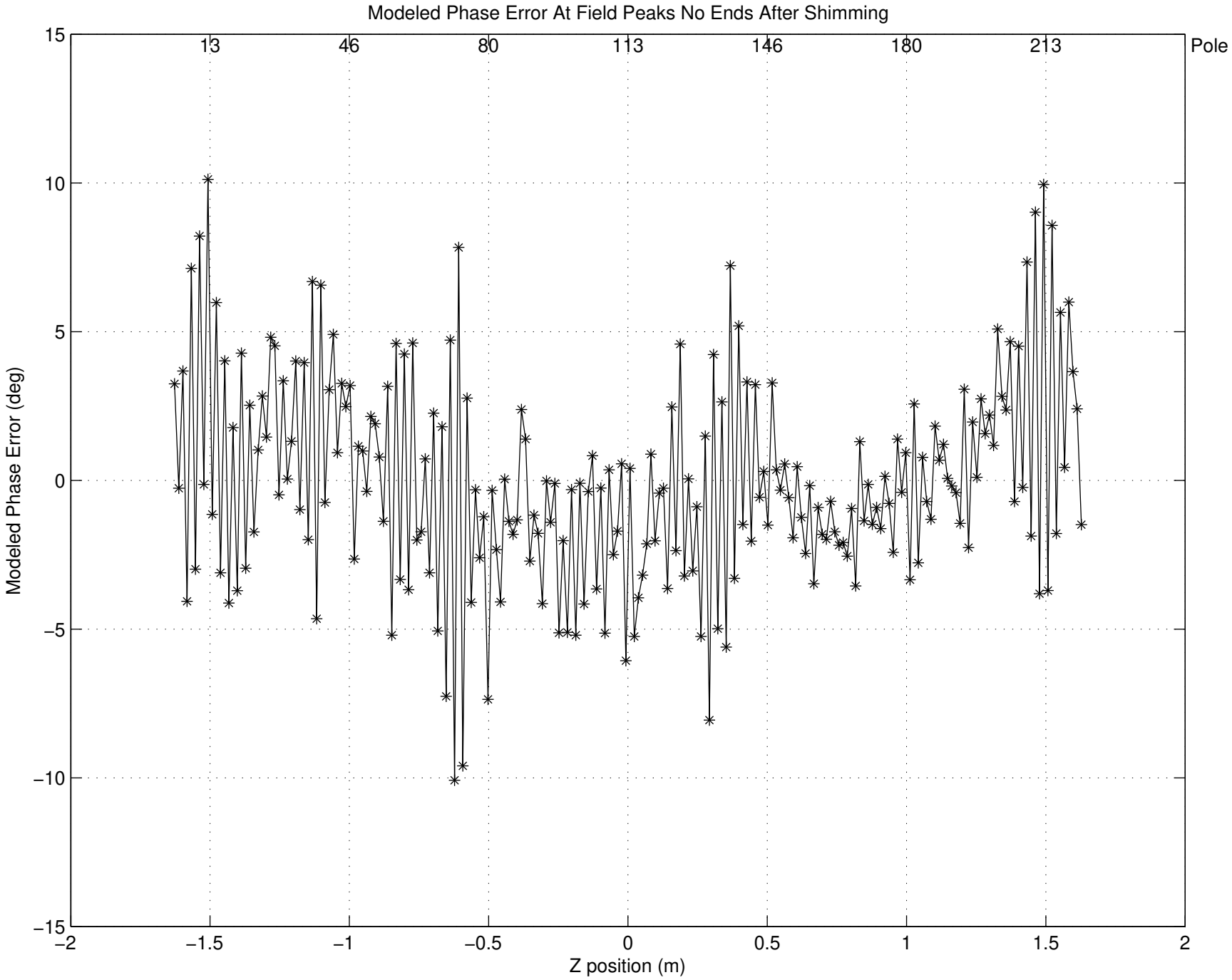
SLAC Magnetic Measurements
Date: 08−13−2012
Time: 13:53:38

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−08
DATASET Number: 5
Tuning Stage: Fine Tuning
Run Number: 5
Measurement Type: Z Scans
Operator: YL
Comment: at min K; check before final
Session first run: 4
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−08\DATASET0005\Fine Tuning\Z Scans\Run 005\bscanz.dat

Temperature (C)
L143−112000−08:−−> T1 19.99 −−> T2 19.96 −−> T5 19.93 −−> T3 19.96 −−> Air 19.93 −−> T4 19.94

Axes position (m) X:0.029942 Y:0.000252
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000965 V
Vy_0i = −0.002834 V



Phase Error: Ave = −0.000000 deg, RMS = 3.494547 deg