SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

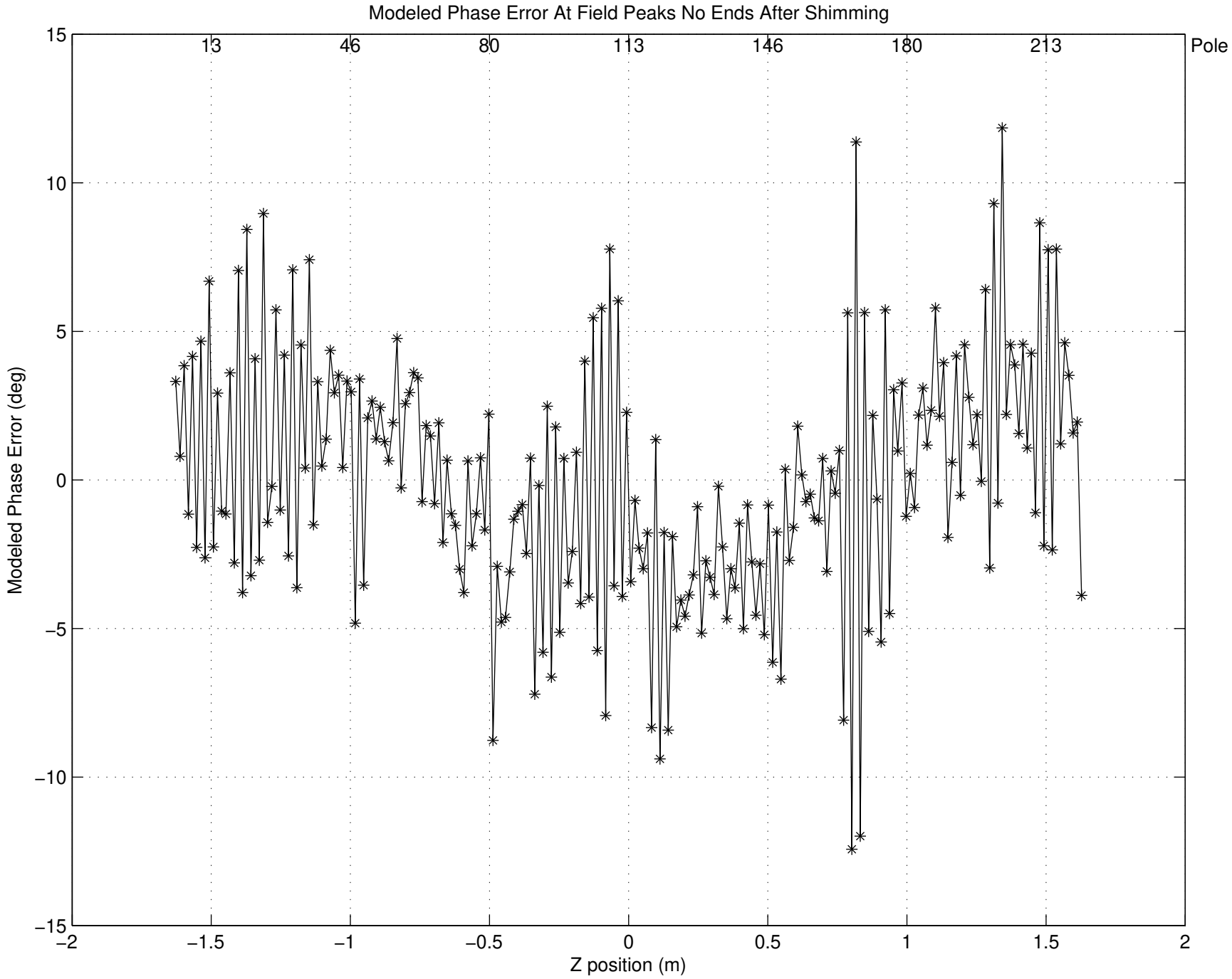
SLAC Magnetic Measurements
Date: 03−14−2014
Time: 09:06:40

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−34
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 2
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 2
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−34\DATASET0004\Fine Tuning\Z Scans\Run 002\bscanz.dat

Temperature (C)
L143−112000−34:−−> T1 20.01 −−> T2 19.98 −−> T5 19.93 −−> T3 19.98 −−> Air 19.87 −−> T4 19.96

Axes position (m) X:0.030025 Y:0.000169
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001174 V
Vy_0i = −0.003305 V



Phase Error: Ave = 0.000000 deg, RMS = 4.110604 deg