SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

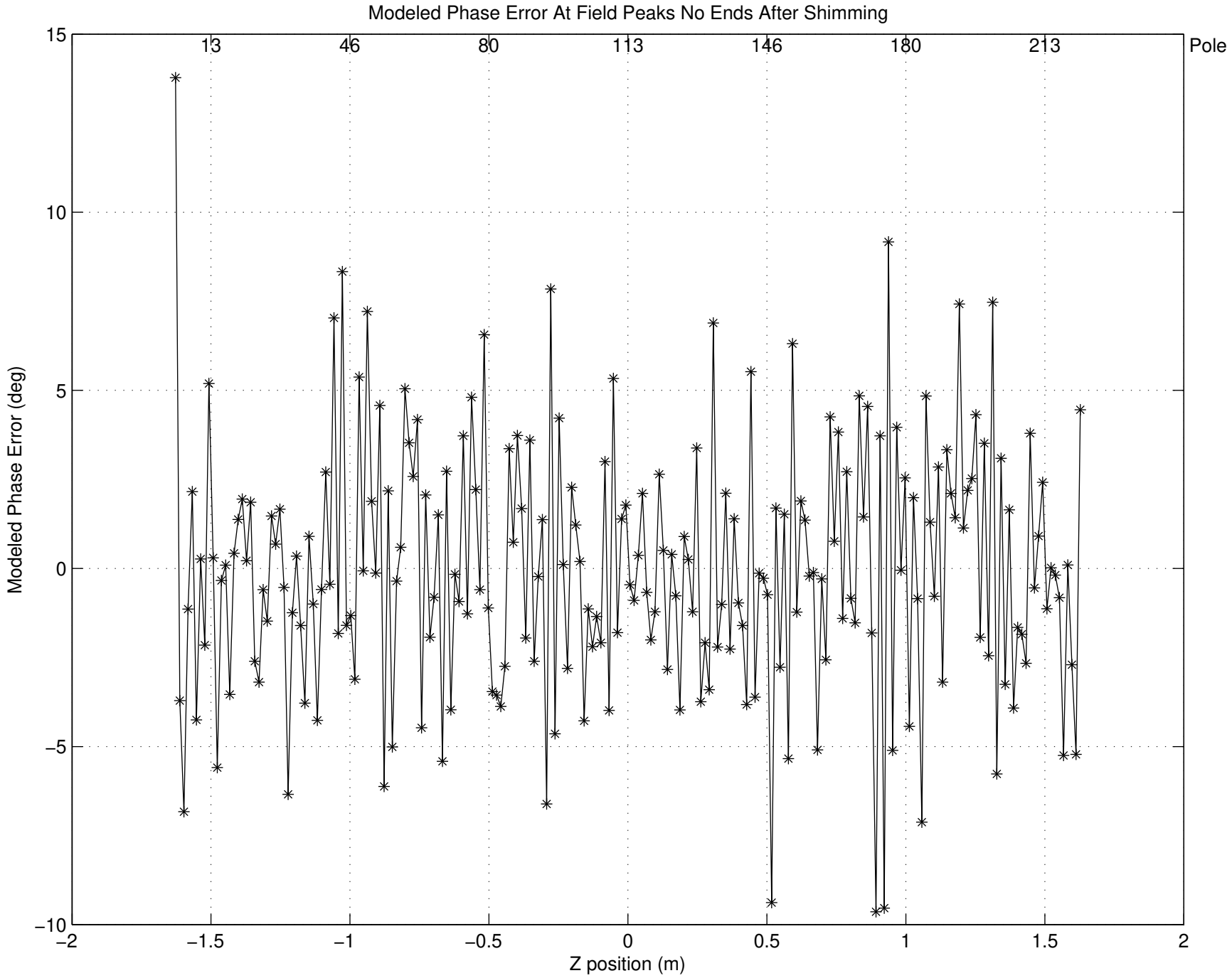
SLAC Magnetic Measurements
Date: 12−06−2012
Time: 14:40:32

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−40
DATASET Number: 3
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\L143−112000−40\DATASET0003\Fine Tuning\Z Scans\Run 002\bscanz.dat

Temperature (C)
L143−112000−40:−−> T1 19.40 −−> T2 19.32 −−> T5 19.36 −−> T3 19.32 −−> Air 19.95 −−> T4 19.31

Axes position (m) X:0.030155 Y:0.000224
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000912 V
Vy_0i = −0.003249 V



Phase Error: Ave = 0.000000 deg, RMS = 3.531786 deg