SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

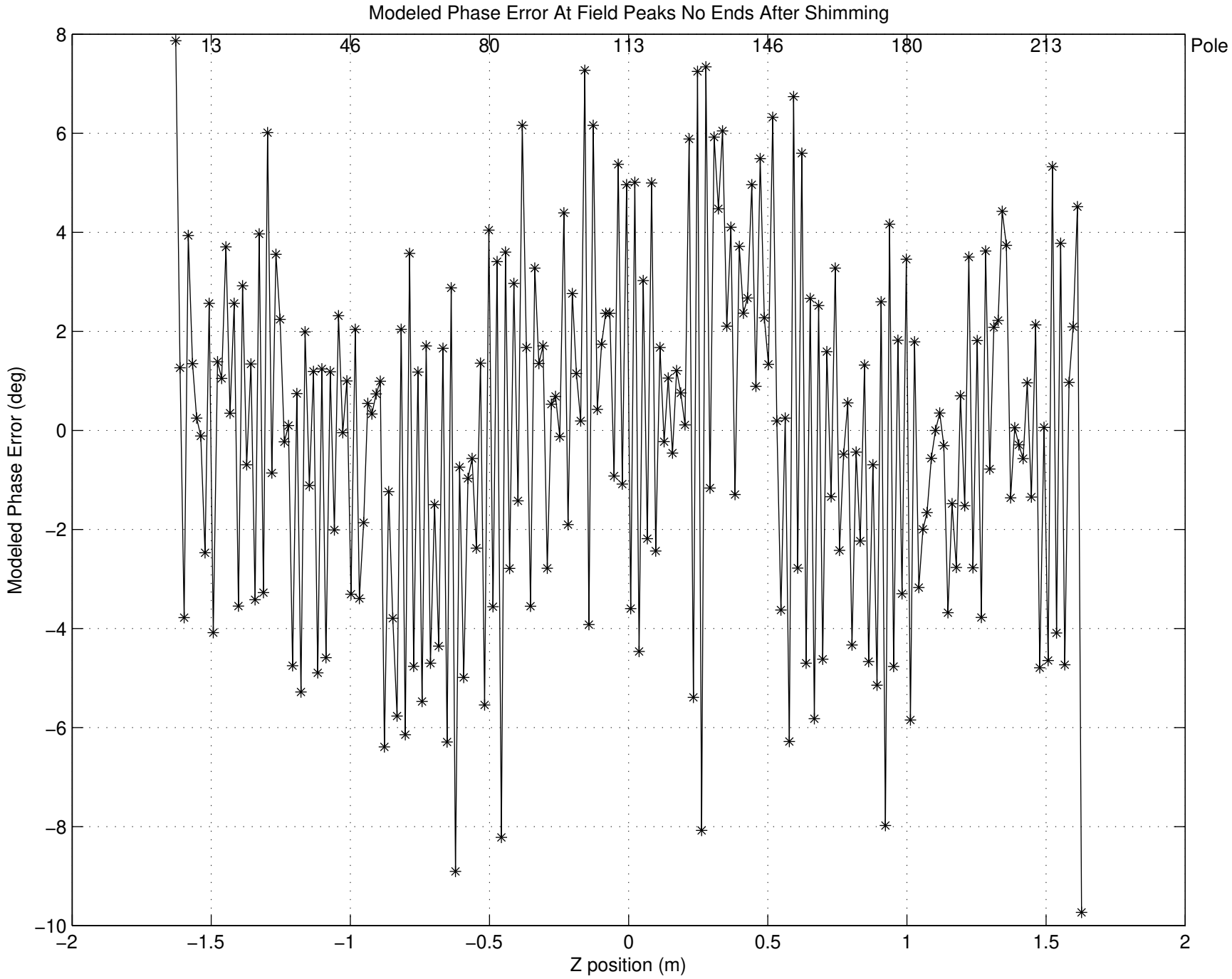
SLAC Magnetic Measurements
Date: 08−22−2012
Time: 15:04:12

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−13
DATASET Number: 40
Tuning Stage: Fine Tuning
Run Number: 6
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; before final
Session first run: 5
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−13\DATASET0040\Fine Tuning\Z Scans\Run 006\bscanz.dat

Temperature (C)
L143−112000−13:−−> T1 20.07 −−> T2 20.04 −−> T5 20.03 −−> T3 20.04 −−> Air 20.00 −−> T4 20.02

Axes position (m) X:0.030054 Y:0.000361
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000989 V
Vy_0i = −0.002960 V



Phase Error: Ave = 0.000000 deg, RMS = 3.565096 deg