SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

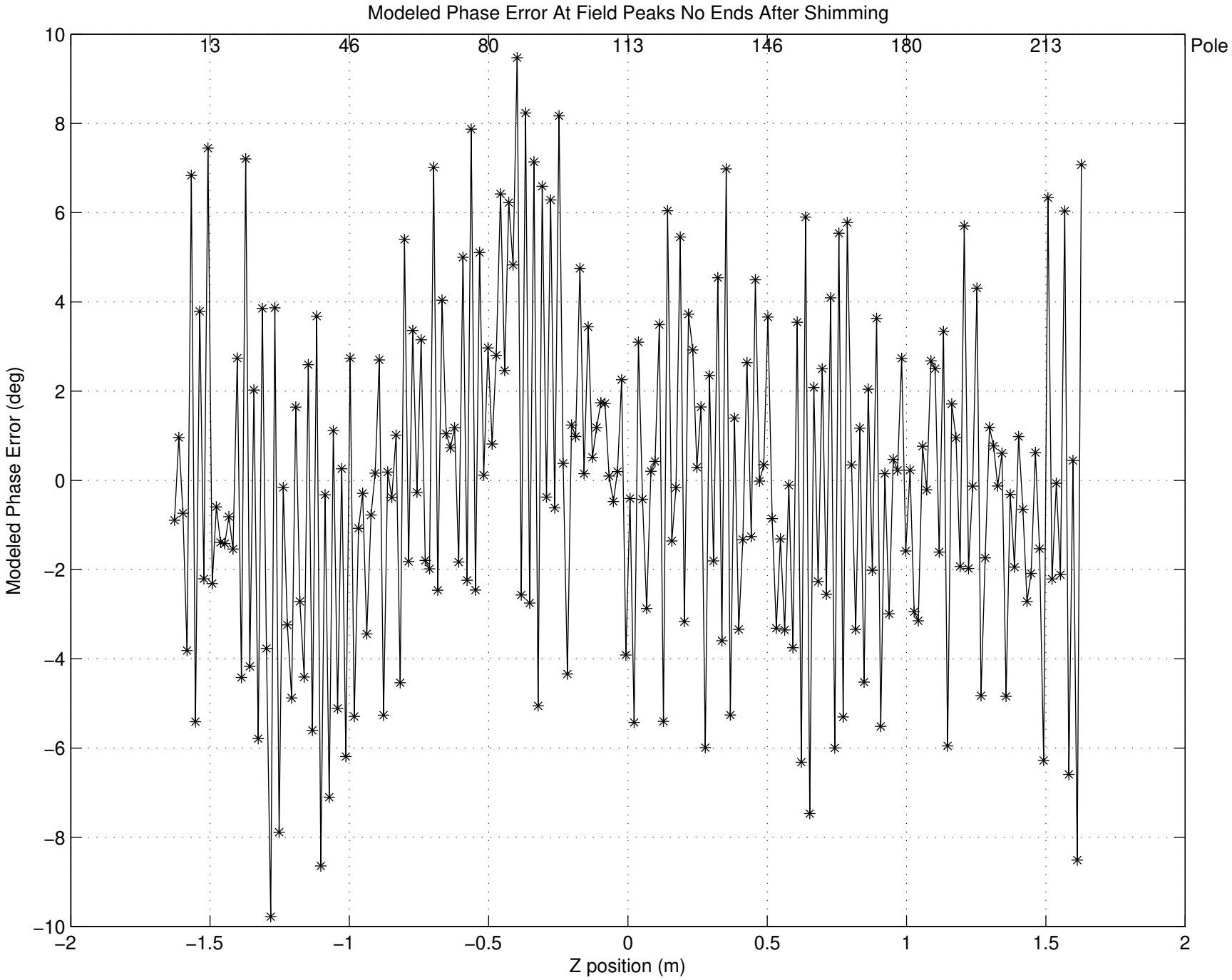
SLAC Magnetic Measurements
Date: 10−23−2013
Time: 10:00:05

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−37
DATASET Number: 6
Tuning Stage: Fine Tuning
Run Number: 3
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; before final
Session first run: 3
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−37\DATASET0006\Fine Tuning\Z Scans\Run 003\bscanz.dat

Temperature (C)
L143−112000−37:−−> T1 20.01 −−> T2 19.99 −−> T5 19.93 −−> T3 20.00 −−> Air 19.93 −−> T4 19.97

Axes position (m) X:0.029806 Y:0.000155
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001225 V
Vy_0i = −0.003120 V



Phase Error: Ave = −0.000000 deg, RMS = 3.819567 deg