SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

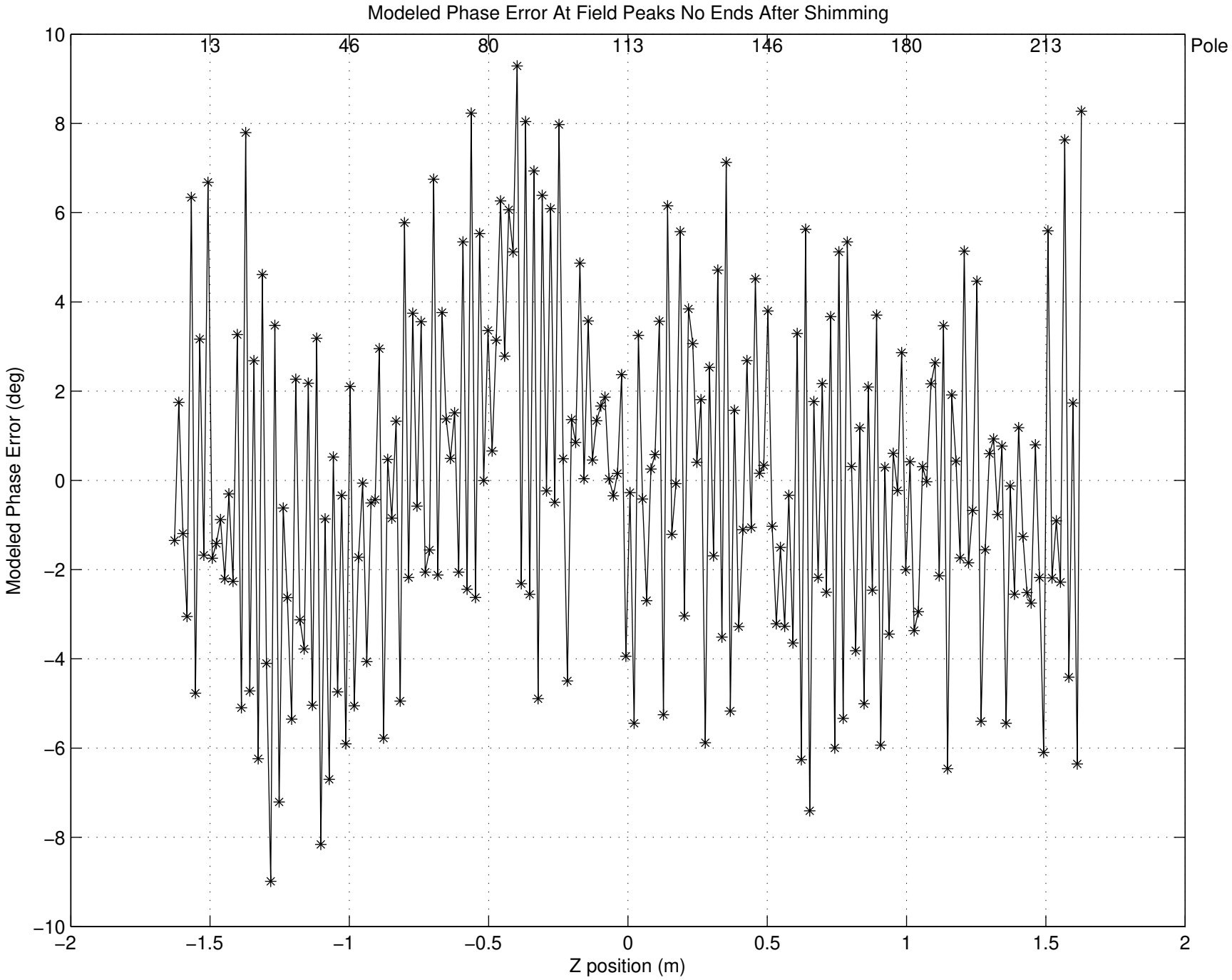
SLAC Magnetic Measurements
Date: 05−09−2011
Time: 09:58:02

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−37
DATASET Number: 5
Tuning Stage: Fine Tuning
Run Number: 5
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; before final scan
Session first run: 5
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−37\DATASET0005\Fine Tuning\Z Scans\Run 005\bscanz.dat

Temperature (C)
L143−112000−37:−−> T1 20.10 −−> T2 20.08 −−> T5 20.04 −−> T3 20.07 −−> Air 20.04 −−> T4 20.06

Axes position (m) X:0.030197 Y:0.000325
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001043 V
Vy_0i = −0.003449 V



Phase Error: Ave = −0.000000 deg, RMS = 3.807339 deg