SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

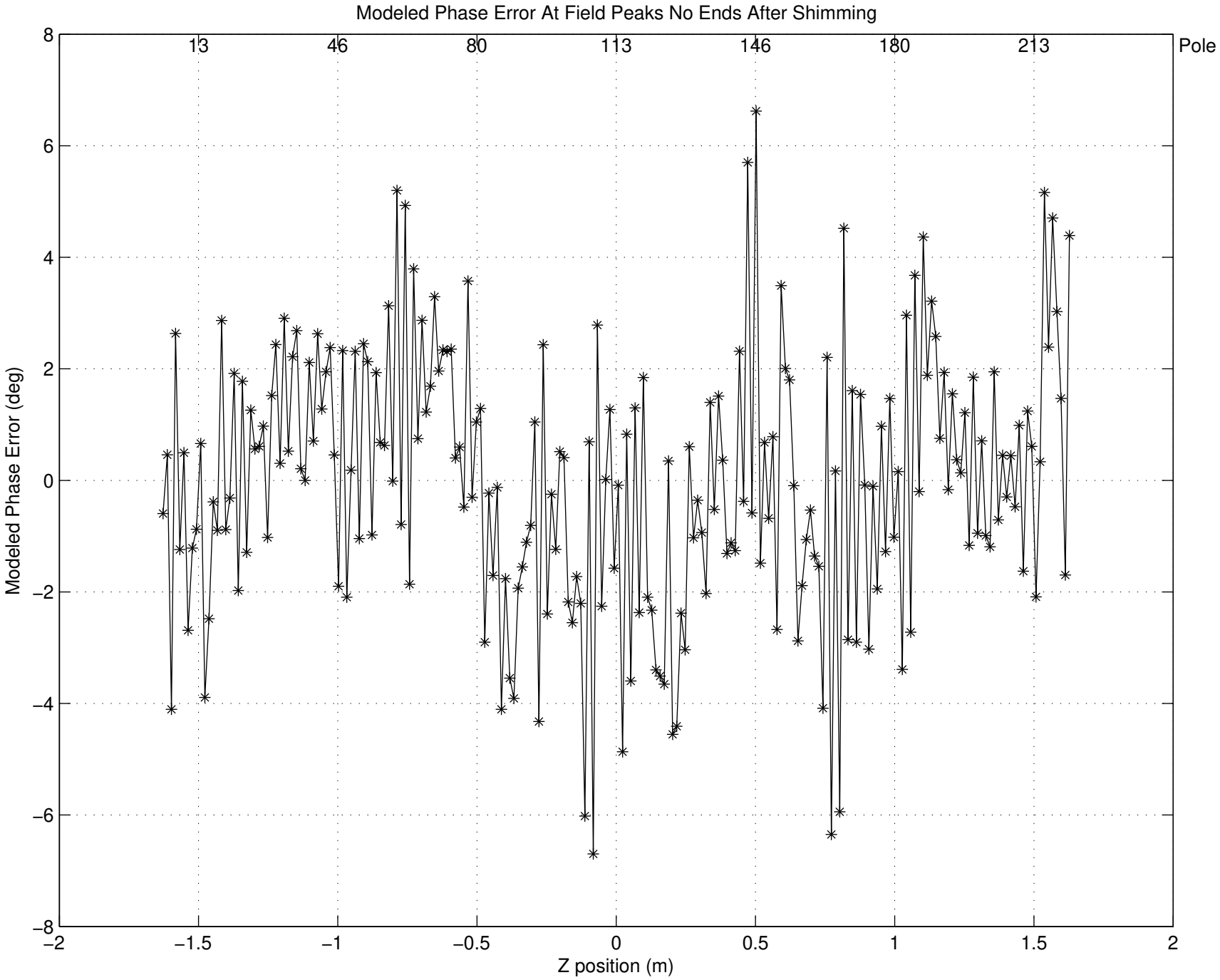
SLAC Magnetic Measurements
Date: 11−20−2012
Time: 09:30:18

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−04
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 23
Measurement Type: Z Scans
Operator: YL
Comment: check before final
Session first run: 22
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−04\DATASET0003\Fine Tuning\Z Scans\Run 023\bscanz.dat

Temperature (C)
L143−112000−04:−−> T1 19.96 −−> T2 19.95 −−> T5 19.90 −−> T3 19.94 −−> Air 19.92 −−> T4 19.93

Axes position (m) X:0.029884 Y:0.000205
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001115 V
Vy_0i = −0.003306 V



Phase Error: Ave = 0.000000 deg, RMS = 2.337225 deg