SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

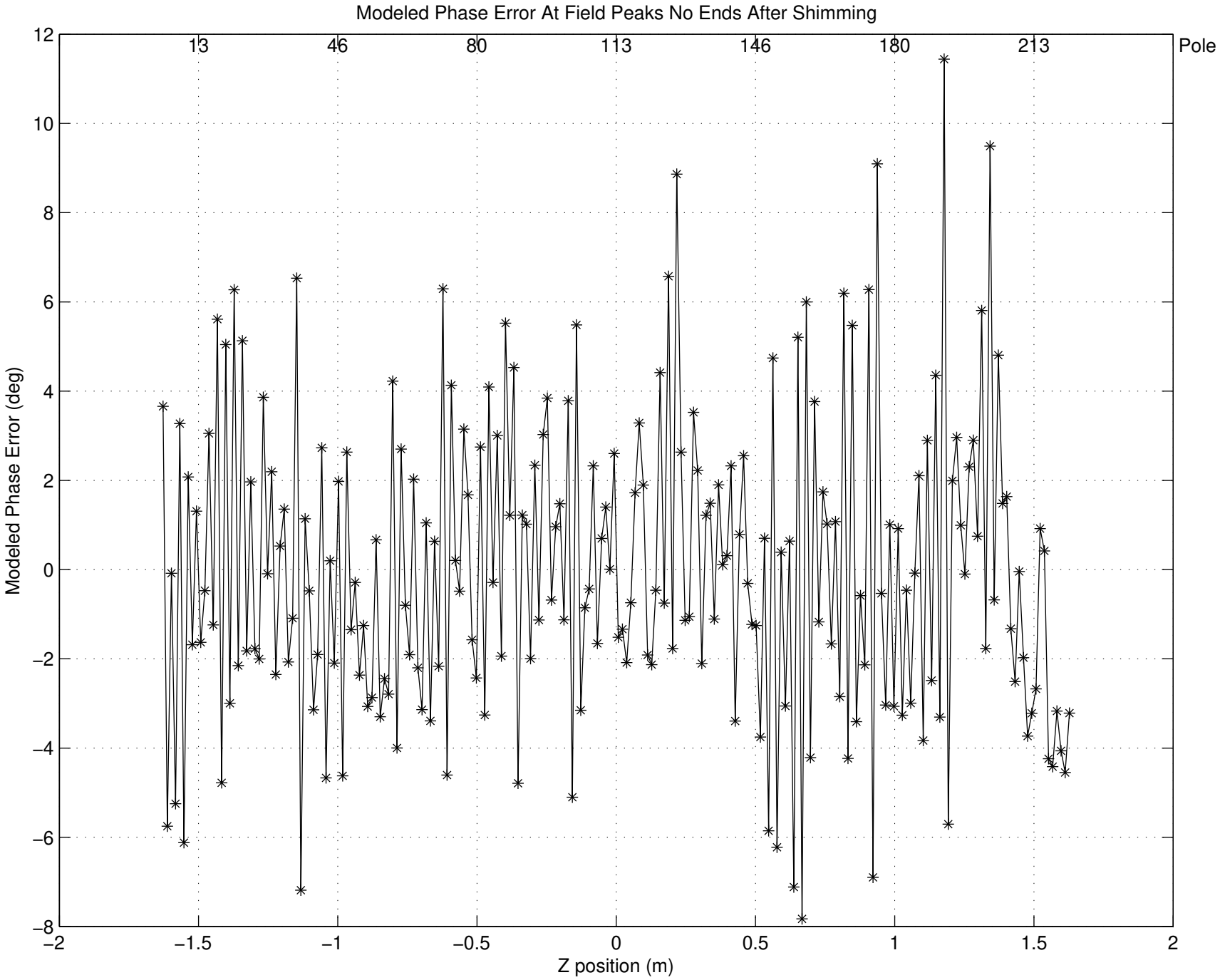
SLAC Magnetic Measurements
Date: 01−08−2014
Time: 09:53:45

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−24
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 4
Measurement Type: Z Scans
Operator: YL
Comment: at min K; before final
Session first run: 3
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−24\DATASET0003\Fine Tuning\Z Scans\Run 004\bscanz.dat

Temperature (C)
L143−112000−24:−−> T1 19.95 −−> T2 19.93 −−> T5 19.88 −−> T3 19.94 −−> Air 19.89 −−> T4 19.91

Axes position (m) X:0.029382 Y:0.000156
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001239 V
Vy_0i = −0.003419 V



Phase Error: Ave = 0.000000 deg, RMS = 3.378630 deg