SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

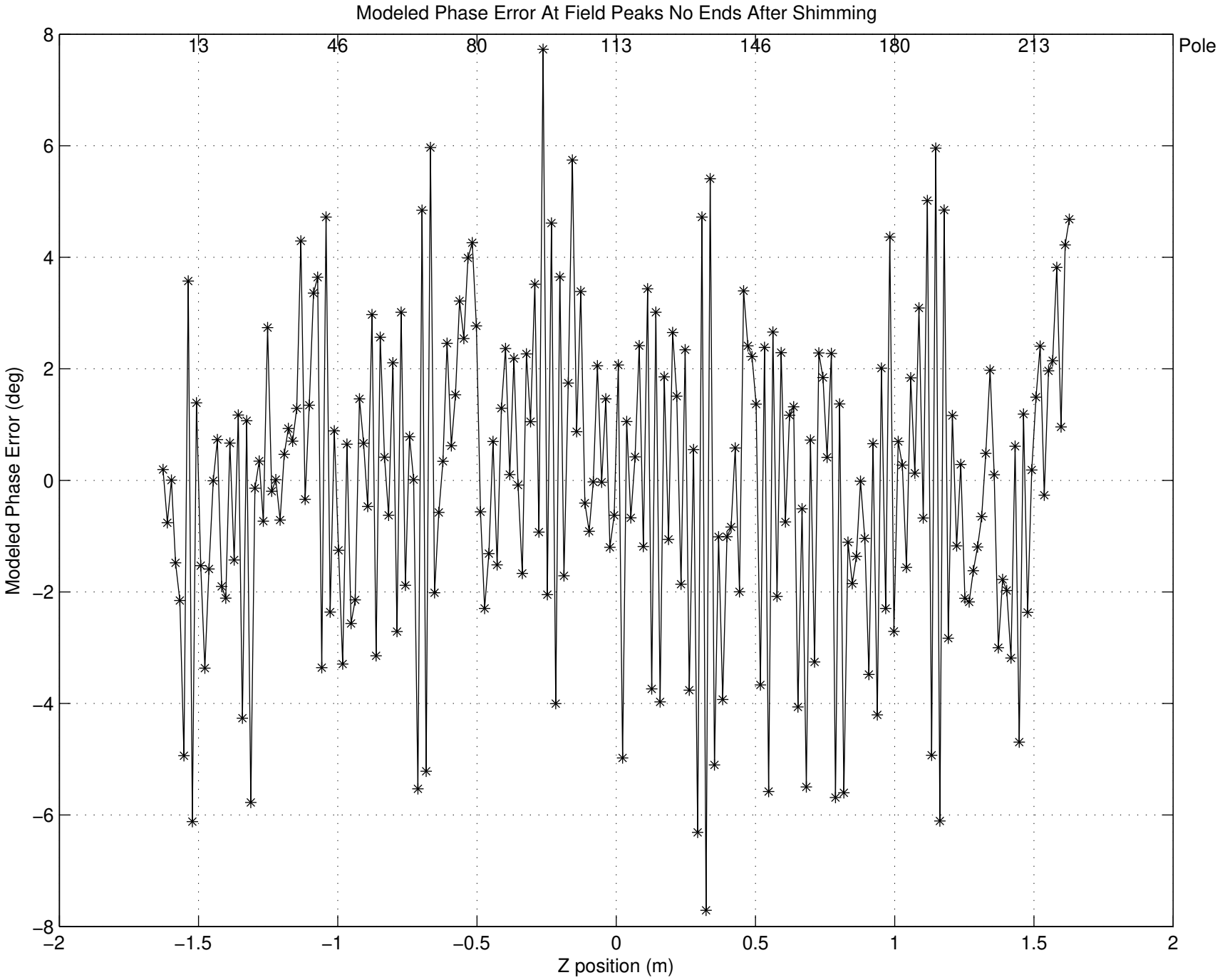
SLAC Magnetic Measurements
Date: 02−11−2014
Time: 08:22:46

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−25
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 19
Measurement Type: Z Scans
Operator: YL
Comment: at min K; fiducialization check
Session first run: 18
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−25\DATASET0003\Fine Tuning\Z Scans\Run 019\bscanz.dat

Temperature (C)
L143−112000−25:−−> T1 20.03 −−> T2 20.02 −−> T5 19.97 −−> T3 20.02 −−> Air 19.98 −−> T4 20.01

Axes position (m) X:0.030008 Y:0.000178
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001210 V
Vy_0i = −0.003105 V



Phase Error: Ave = −0.000000 deg, RMS = 2.796752 deg