SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

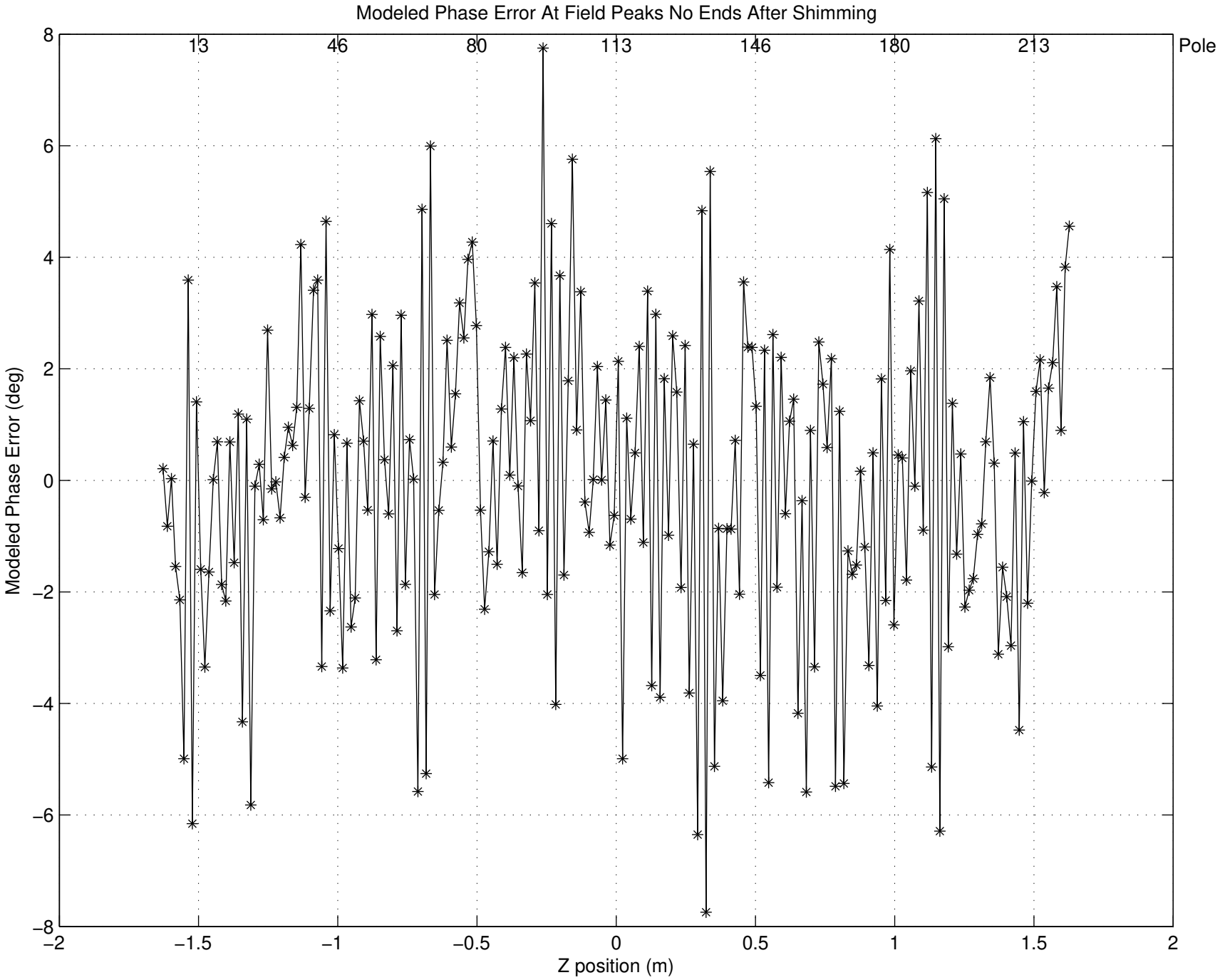
SLAC Magnetic Measurements
Date: 02−11−2014
Time: 09:09:00

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−25
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 20
Measurement Type: Z Scans
Operator: YL
Comment: final; 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 020\bscanz.dat

Temperature (C)
L143−112000−25:−−> T1 20.03 −−> T2 20.02 −−> T5 19.97 −−> T3 20.02 −−> Air 19.99 −−> T4 20.01

Axes position (m) X:0.030008 Y:0.000179
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001239 V
Vy_0i = −0.003080 V



Phase Error: Ave = 0.000000 deg, RMS = 2.794324 deg