SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

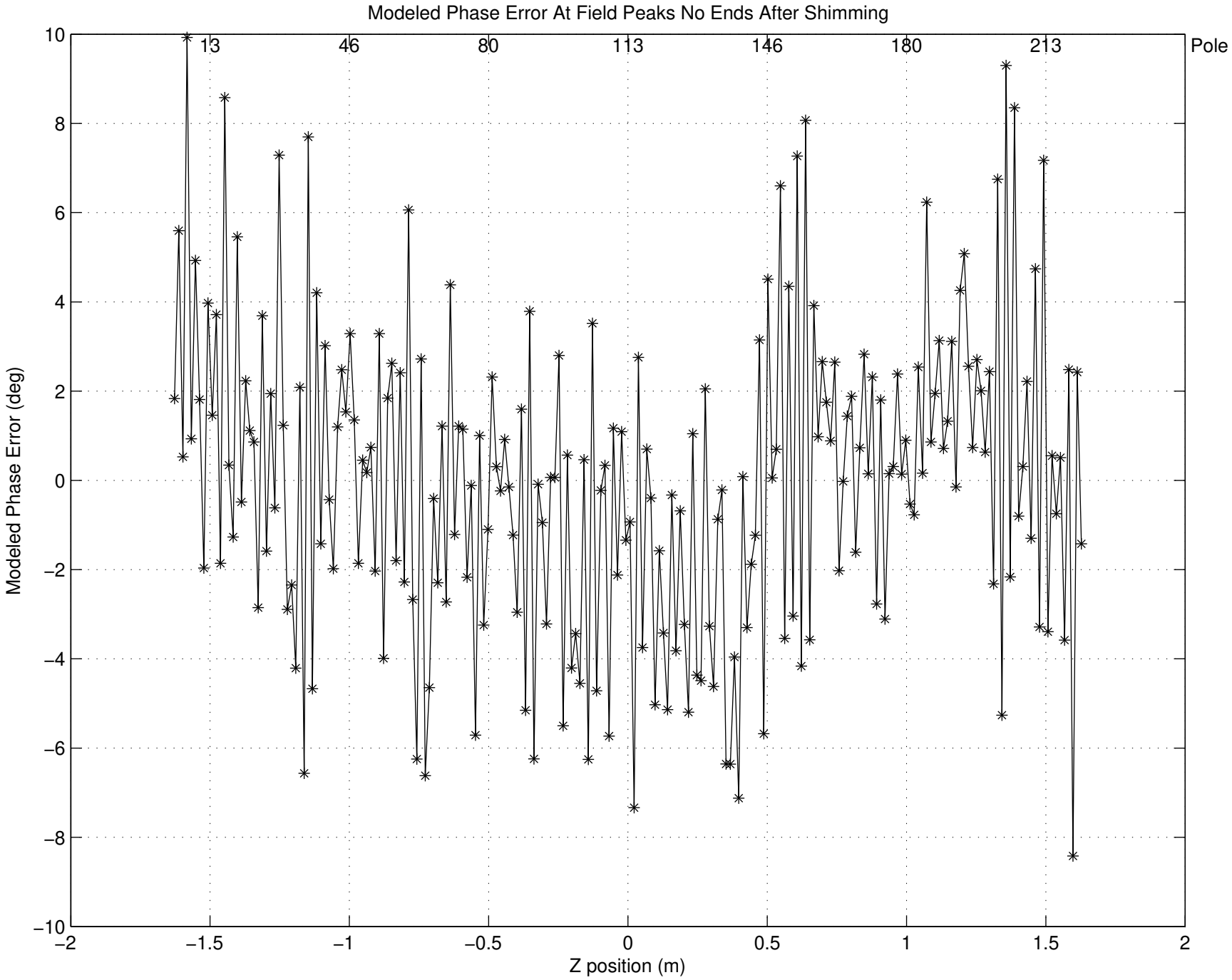
SLAC Magnetic Measurements
Date: 01−27−2014
Time: 09:59:02

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−33
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 5
Measurement Type: Z Scans
Operator: YL
Comment: at min K; before final
Session first run: 4
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−33\DATASET0003\Fine Tuning\Z Scans\Run 005\bscanz.dat

Temperature (C)
L143−112000−33:−−> T1 19.94 −−> T2 19.92 −−> T5 19.87 −−> T3 19.93 −−> Air 19.92 −−> T4 19.90

Axes position (m) X:0.029515 Y:0.000155
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001146 V
Vy_0i = −0.003513 V



Phase Error: Ave = −0.000000 deg, RMS = 3.482733 deg