SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

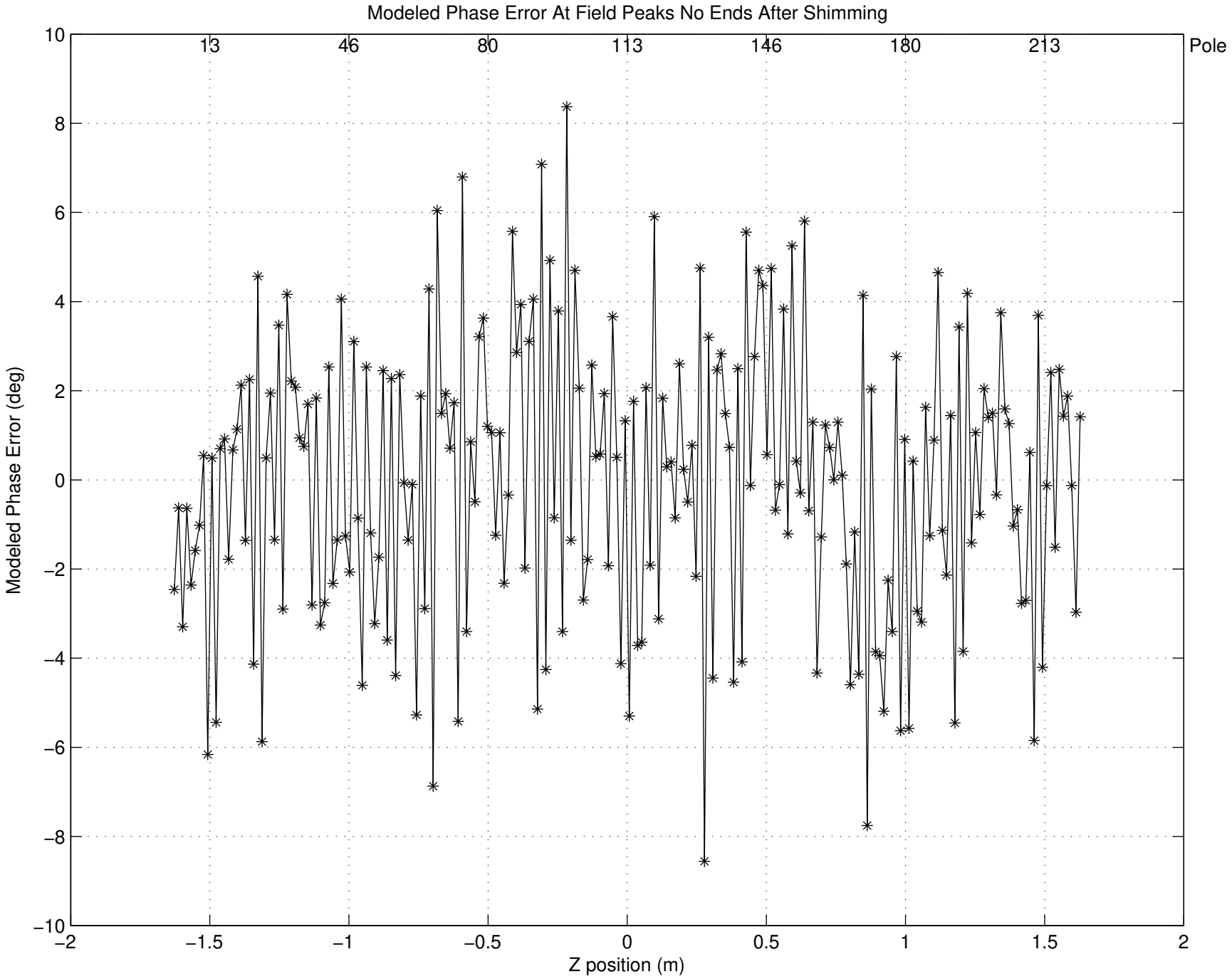
SLAC Magnetic Measurements
Date: 01−30−2013
Time: 08:58:34

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−23
DATASET Number: 2
Tuning Stage: Fine Tuning
Run Number: 5
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; before long coil scan
Session first run: 4
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−23\DATASET0002\Fine Tuning\Z Scans\Run 005\bscanz.dat

Temperature (C)
L143−112000−23:−−> T1 19.96 −−> T2 19.95 −−> T5 19.90 −−> T3 19.95 −−> Air 19.91 −−> T4 19.94

Axes position (m) X:0.029142 Y:0.000262
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001026 V
Vy_0i = −0.003619 V



Phase Error: Ave = −0.000000 deg, RMS = 3.136099 deg