SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

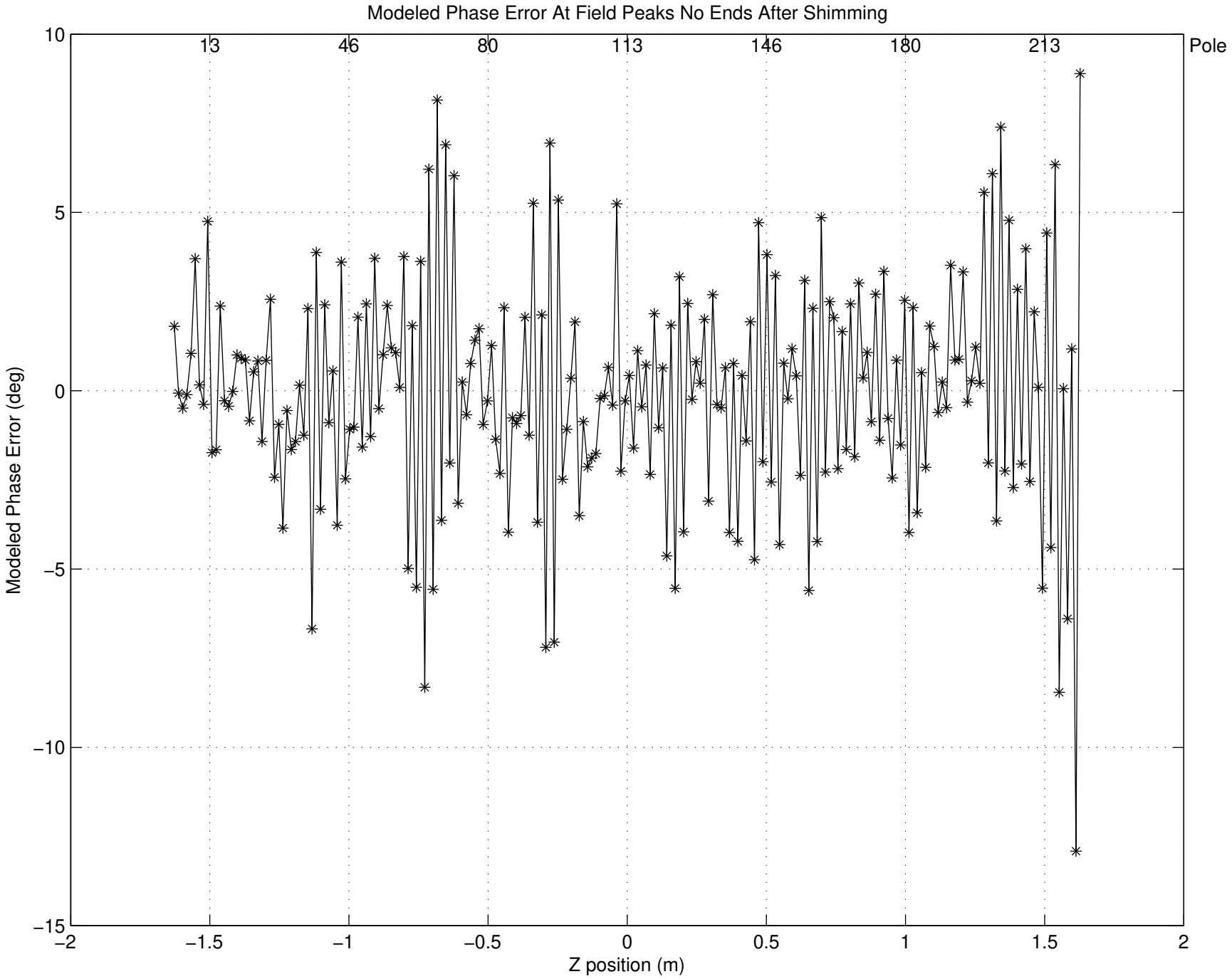
SLAC Magnetic Measurements
Date: 05−16−2013
Time: 10:53:26

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−22
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 5
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 5
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−22\DATASET0003\Fine Tuning\Z Scans\Run 005\bscanz.dat

Temperature (C)
L143−112000−22:−−> T1 20.00 −−> T2 19.99 −−> T5 19.92 −−> T3 19.99 −−> Air 19.89 −−> T4 19.97

Axes position (m) X:0.029576 Y:0.000254
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001113 V
Vy_0i = −0.003164 V



Phase Error: Ave = 0.000000 deg, RMS = 3.175742 deg