SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

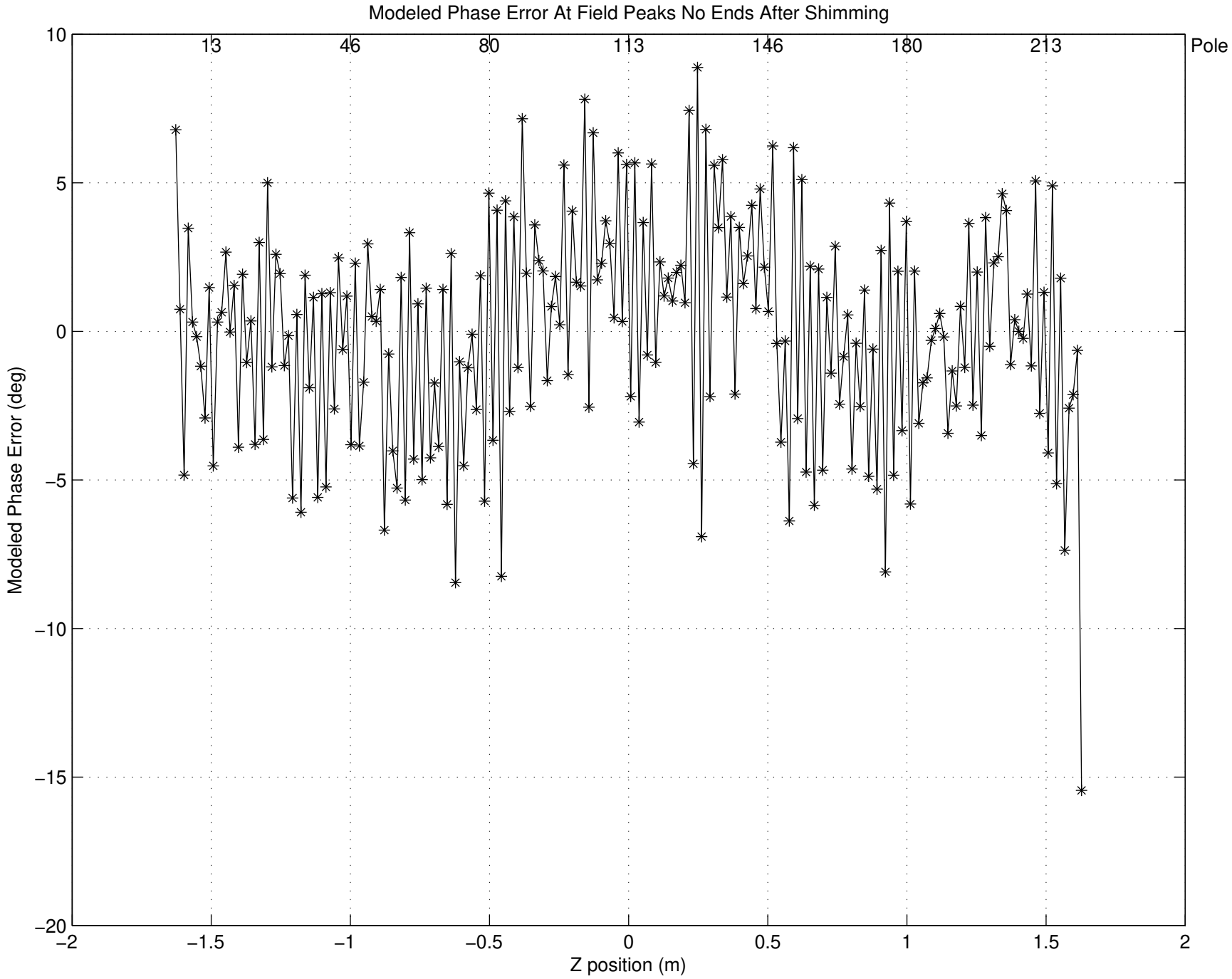
SLAC Magnetic Measurements
Date: 05−26−2011
Time: 14:06:43

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−13
DATASET Number: 36
Tuning Stage: Fine Tuning
Run Number: 4
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; before final
Session first run: 4
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−13\DATASET0036\Fine Tuning\Z Scans\Run 004\bscanz.dat

Temperature (C)
L143−112000−13:−−> T1 20.01 −−> T2 20.00 −−> T5 19.97 −−> T3 19.99 −−> Air 20.03 −−> T4 19.98

Axes position (m) X:0.029988 Y:0.000249
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001127 V
Vy_0i = −0.003355 V



Phase Error: Ave = 0.000000 deg, RMS = 3.694027 deg