SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

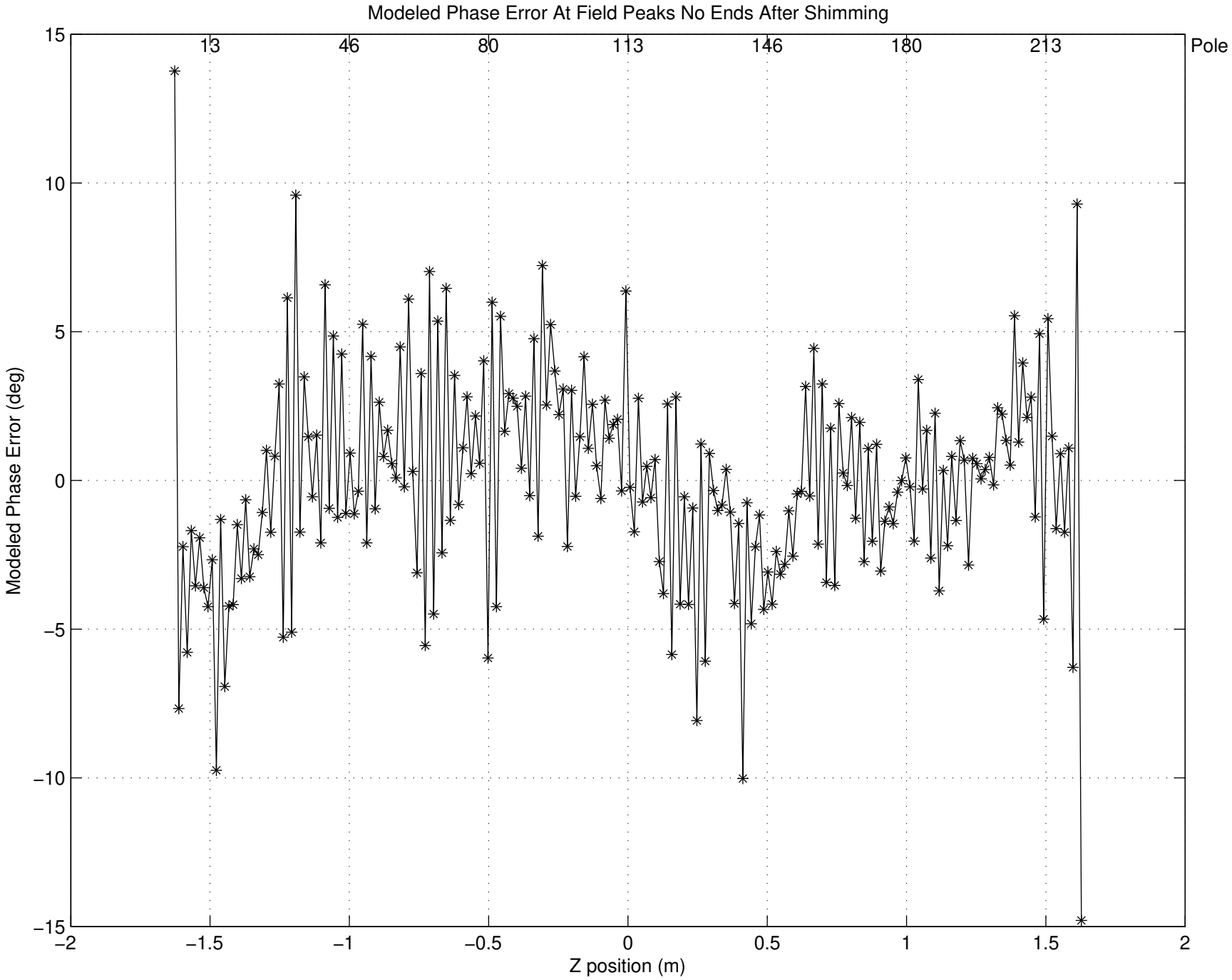
SLAC Magnetic Measurements
Date: 02−13−2012
Time: 16:15:44

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−18
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 11
Measurement Type: Z Scans
Operator: YL
Comment: tuning; after gap adjustment
Session first run: 9
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−18\DATASET0004\Fine Tuning\Z Scans\Run 011\bscanz.dat

Temperature (C)
L143−112000−18:−−> T1 19.97 −−> T2 19.95 −−> T5 19.95 −−> T3 19.95 −−> Air 19.94 −−> T4 19.96

Axes position (m) X:0.029818 Y:0.000190
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001018 V
Vy_0i = −0.003432 V



Phase Error: Ave = −0.000000 deg, RMS = 3.573116 deg