SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

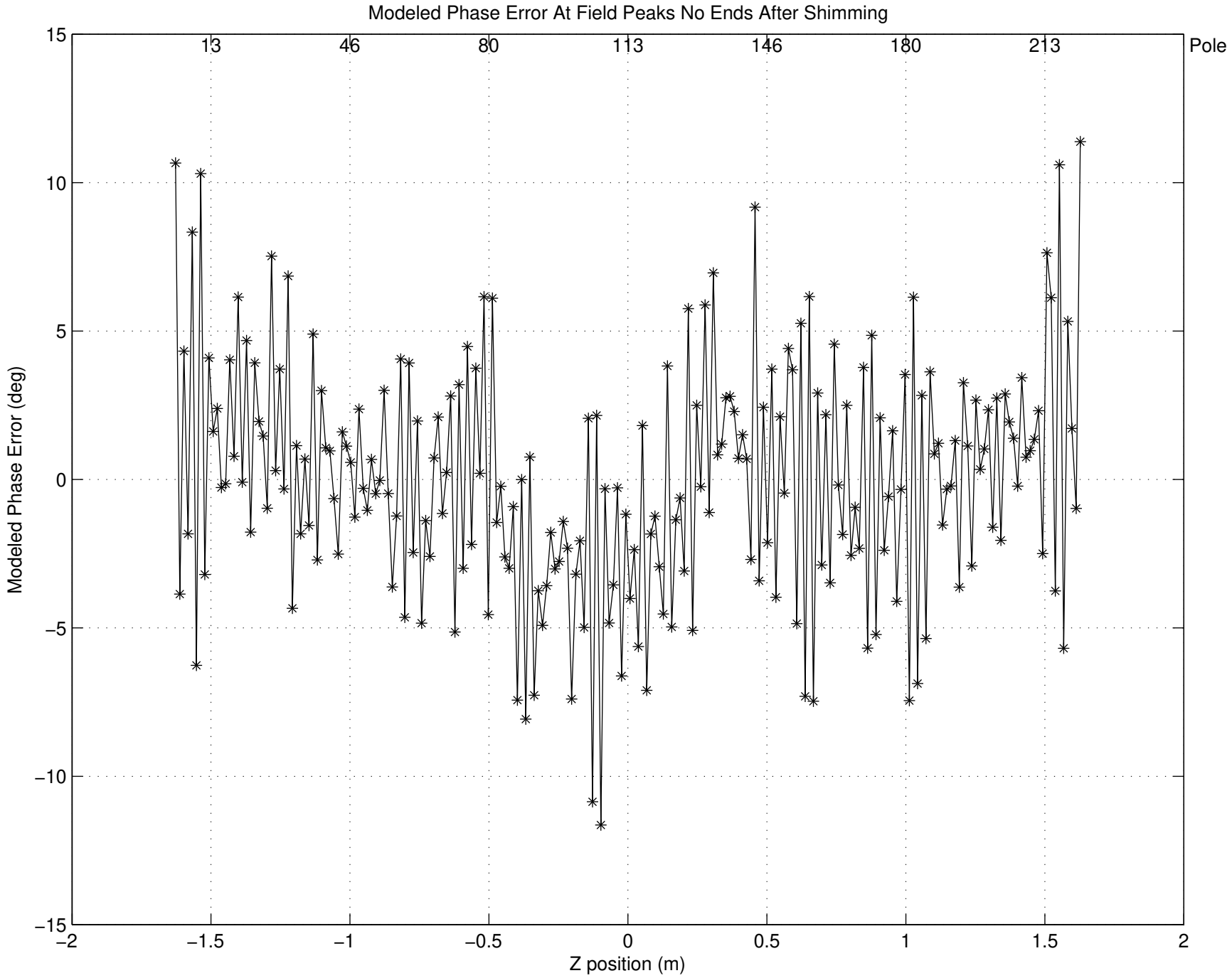
SLAC Magnetic Measurements
Date: 11−22−2013
Time: 10:05:18

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−26
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 7
Measurement Type: Z Scans
Operator: YL
Comment: final
Session first run: 4
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−26\DATASET0004\Fine Tuning\Z Scans\Run 007\bscanz.dat

Temperature (C)
L143−112000−26:−−> T1 19.97 −−> T2 19.96 −−> T5 19.91 −−> T3 19.96 −−> Air 19.87 −−> T4 19.94

Axes position (m) X:0.029453 Y:0.000156
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001223 V
Vy_0i = −0.003254 V



Phase Error: Ave = 0.000000 deg, RMS = 3.964729 deg