SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

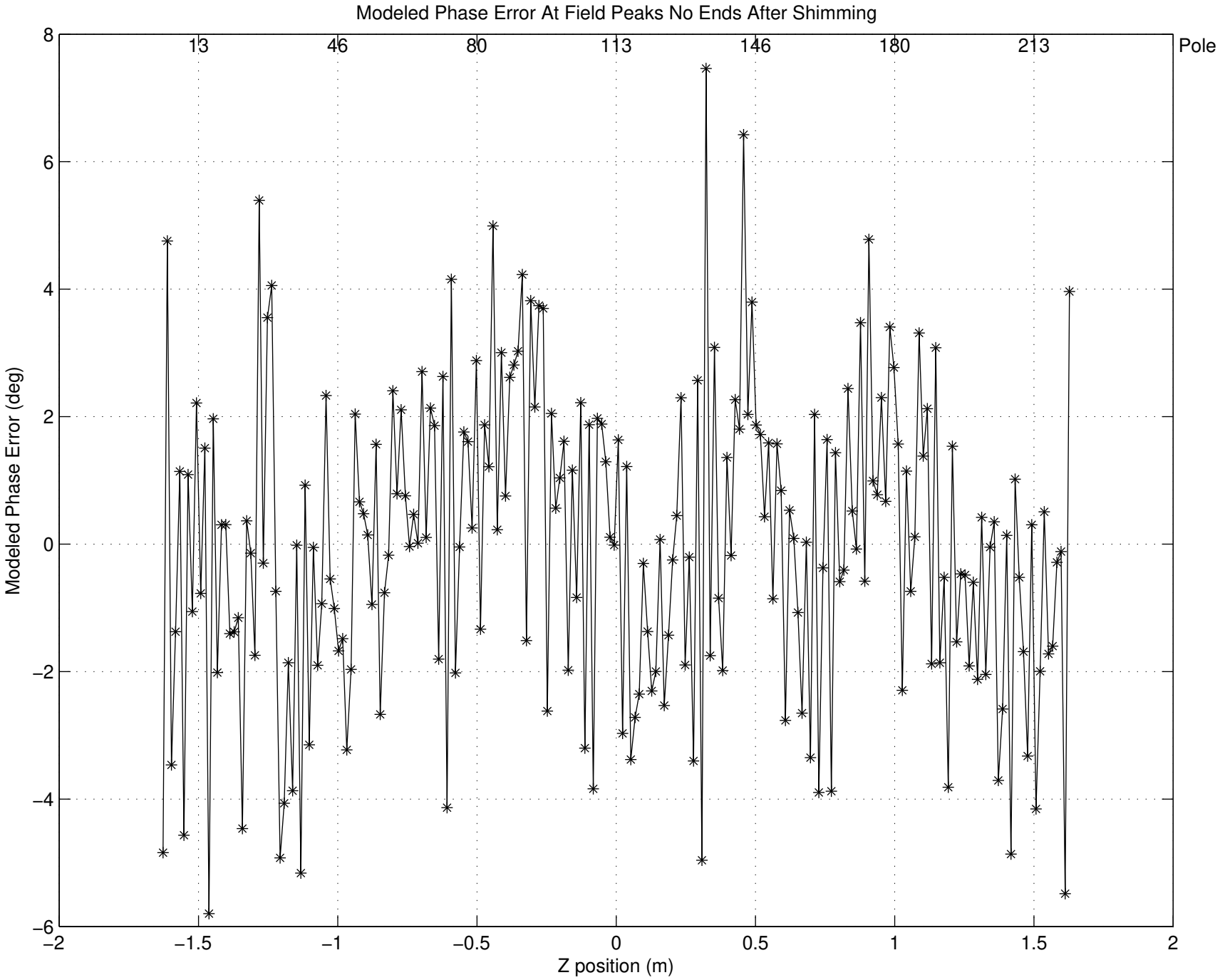
SLAC Magnetic Measurements
Date: 04−30−2014
Time: 09:19:36

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−17
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 6
Measurement Type: Z Scans
Operator: YL
Comment: final
Session first run: 5
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−17\DATASET0004\Fine Tuning\Z Scans\Run 006\bscanz.dat

Temperature (C)
L143−112000−17:−−> T1 19.89 −−> T2 19.88 −−> T5 19.81 −−> T3 19.88 −−> Air 19.82 −−> T4 19.85

Axes position (m) X:0.030000 Y:0.000101
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001184 V
Vy_0i = −0.003260 V



Phase Error: Ave = 0.000000 deg, RMS = 2.408294 deg