SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

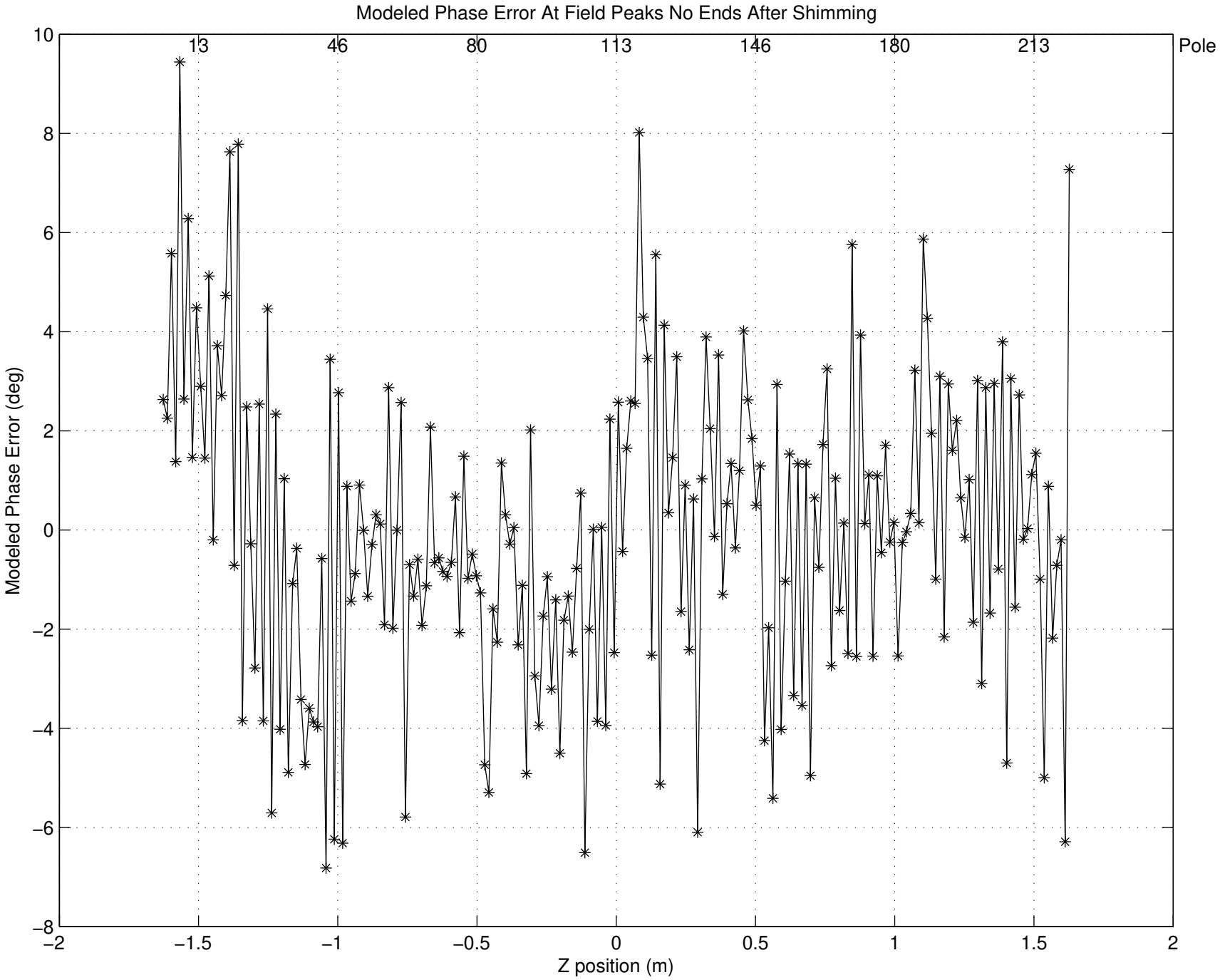
SLAC Magnetic Measurements
Date: 07−27−2012
Time: 10:30:04

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−15
DATASET Number: 6
Tuning Stage: Fine Tuning
Run Number: 10
Measurement Type: Z Scans
Operator: YL
Comment: first gap adjustment
Session first run: 10
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−15\DATASET0006\Fine Tuning\Z Scans\Run 010\bscanz.dat

Temperature (C)
L143−112000−15:−−> T1 19.93 −−> T2 19.91 −−> T5 19.88 −−> T3 19.92 −−> Air 19.96 −−> T4 19.90

Axes position (m) X:0.030220 Y:0.000260
Initial Hall Probe Zero Measurements:
$Vx_0i$ = 0.000983 V
$Vy_0i$ = −0.003022 V




Phase Error: Ave = 0.000000 deg, RMS = 3.042286 deg