SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

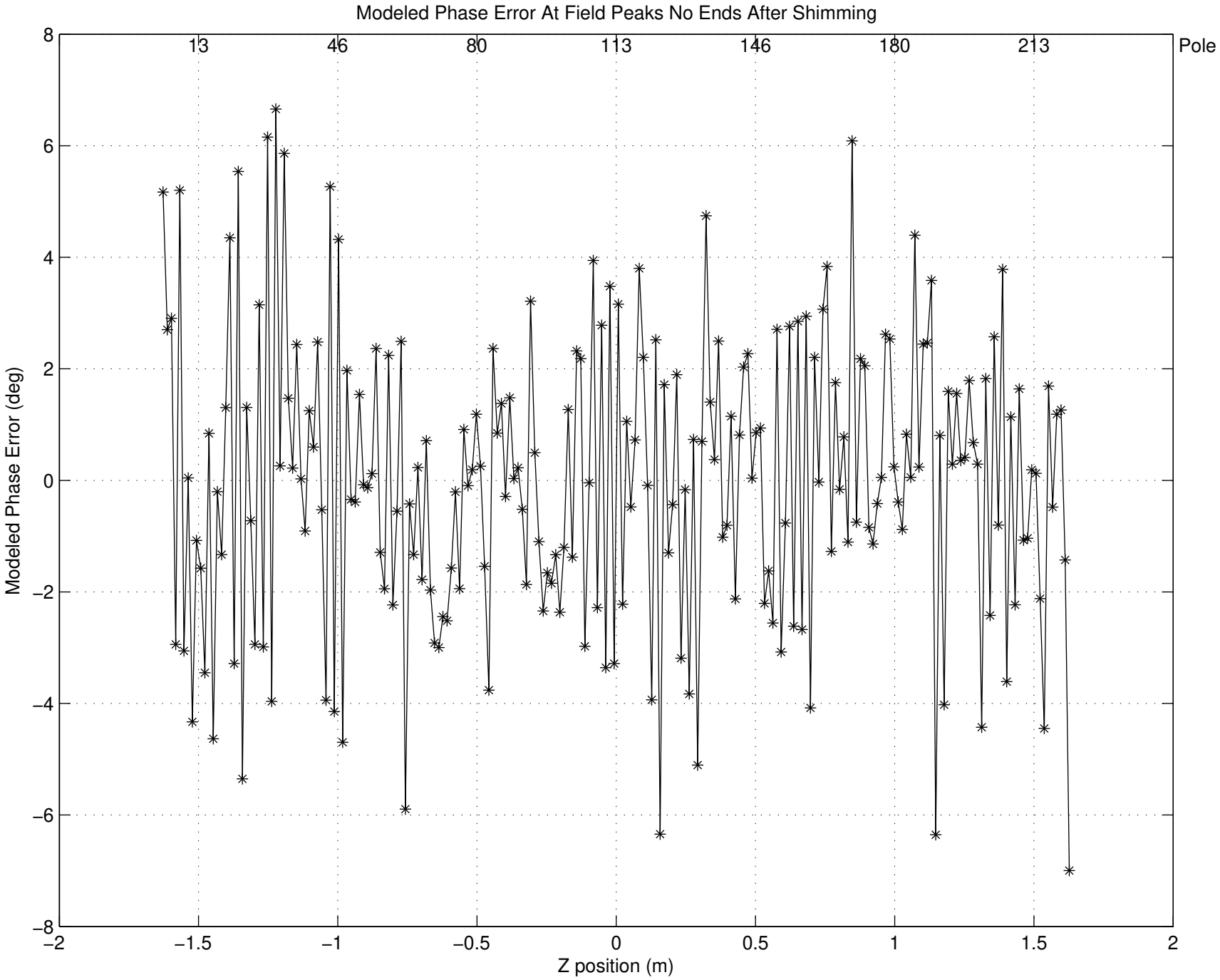
SLAC Magnetic Measurements
Date: 08−09−2012
Time: 10:33:12

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−15
DATASET Number: 6
Tuning Stage: Fine Tuning
Run Number: 23
Measurement Type: Z Scans
Operator: YL
Comment: at min K; before final
Session first run: 22
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−15\DATASET0006\Fine Tuning\Z Scans\Run 023\bscanz.dat

Temperature (C)
L143−112000−15:−−> T1 19.92 −−> T2 19.90 −−> T5 19.86 −−> T3 19.90 −−> Air 19.81 −−> T4 19.87

Axes position (m) X:0.030124 Y:0.000233
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000921 V
Vy_0i = −0.002995 V



Phase Error: Ave = 0.000000 deg, RMS = 2.578585 deg