SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

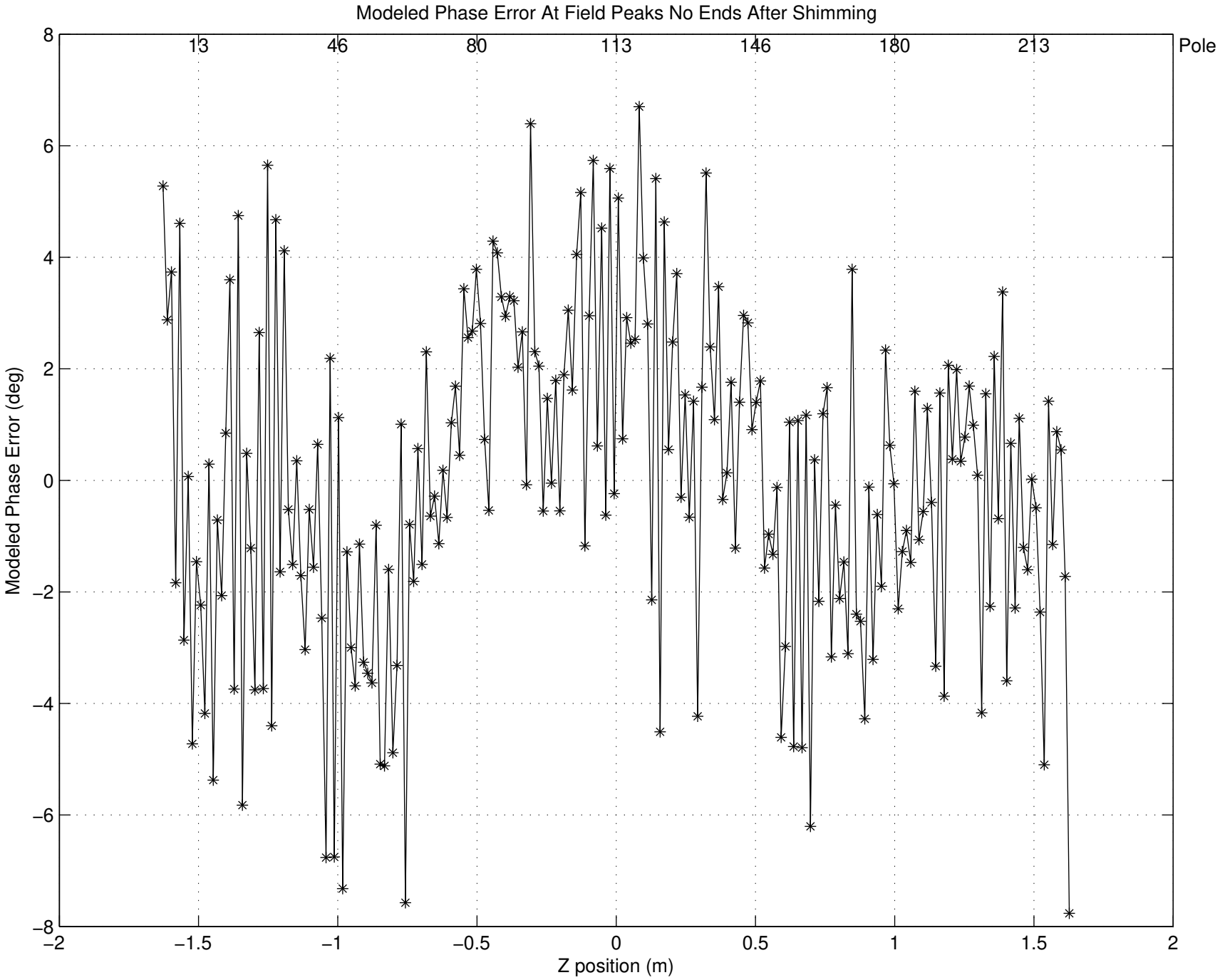
SLAC Magnetic Measurements
Date: 08−03−2012
Time: 10:36:25

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−15
DATASET Number: 6
Tuning Stage: Fine Tuning
Run Number: 17
Measurement Type: Z Scans
Operator: YL
Comment: tuning; third gap adjustment
Session first run: 15
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−15\DATASET0006\Fine Tuning\Z Scans\Run 017\bscanz.dat

Temperature (C)
L143−112000−15:−−> T1 19.96 −−> T2 19.96 −−> T5 19.93 −−> T3 19.96 −−> Air 19.93 −−> T4 19.95

Axes position (m) X:0.030212 Y:0.000230
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000908 V
Vy_0i = −0.003012 V



Phase Error: Ave = −0.000000 deg, RMS = 2.949395 deg