SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

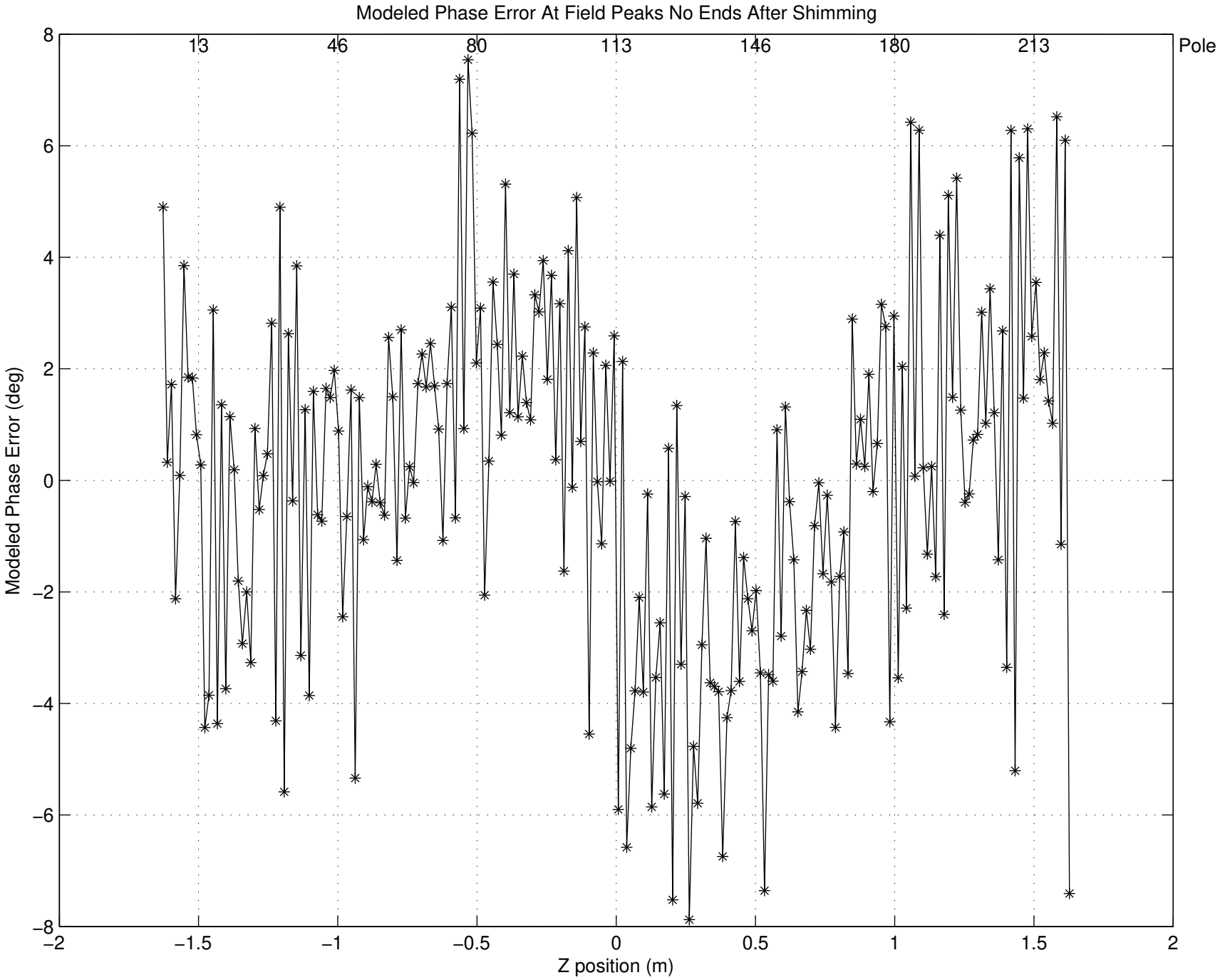
SLAC Magnetic Measurements
Date: 02−22−2013
Time: 08:59:23

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−03
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 6
Measurement Type: Z Scans
Operator: YL
Comment: at min K before coil measurements
Session first run: 5
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−03\DATASET0003\Fine Tuning\Z Scans\Run 006\bscanz.dat

Temperature (C)
L143−112000−03:−−> T1 19.97 −−> T2 19.96 −−> T5 19.92 −−> T3 19.96 −−> Air 19.93 −−> T4 19.95

Axes position (m) X:0.028702 Y:0.000246
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000924 V
Vy_0i = −0.003683 V



Phase Error: Ave = 0.000000 deg, RMS = 3.153699 deg