SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

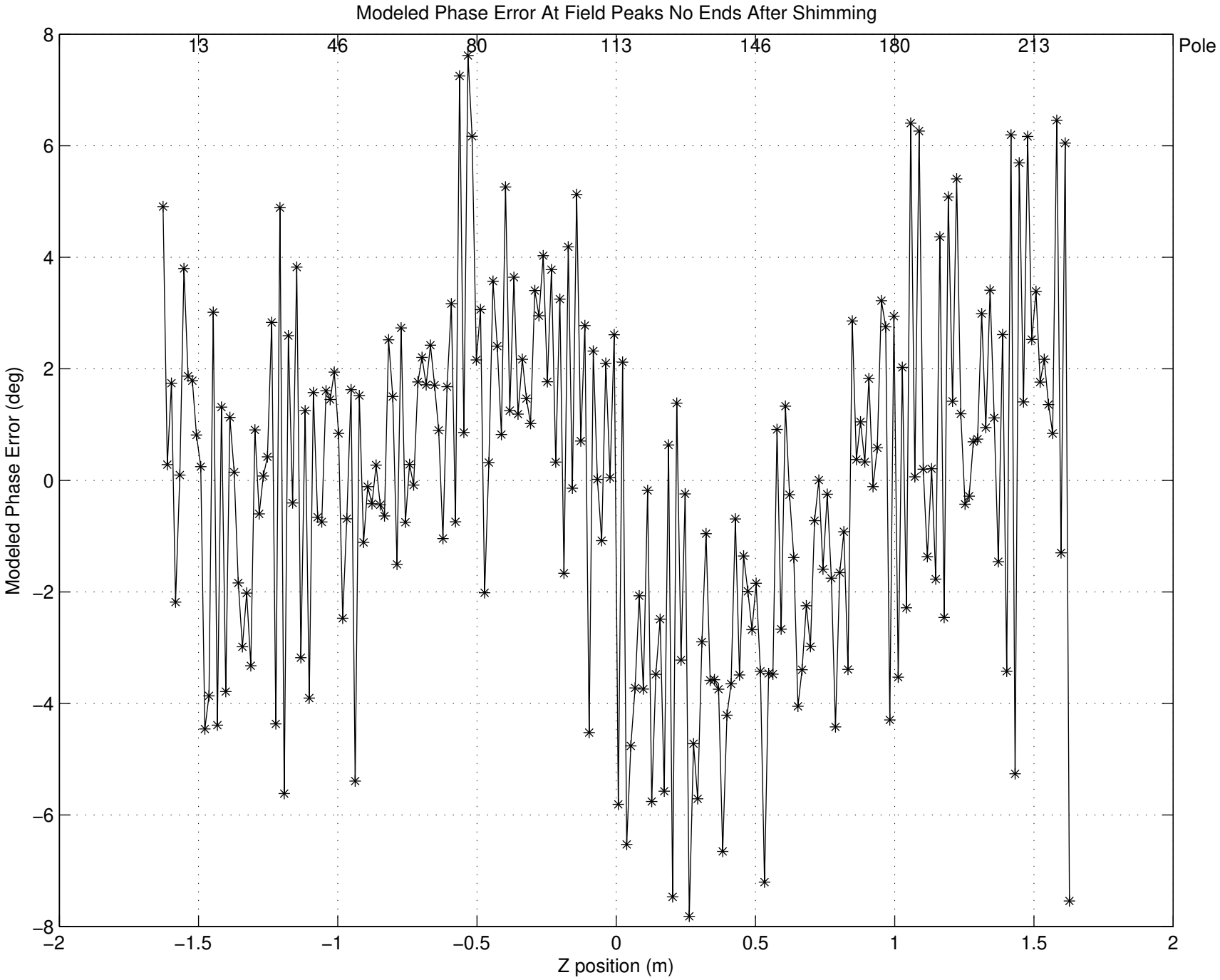
SLAC Magnetic Measurements
Date: 02−22−2013
Time: 08:20:13

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−03
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 5
Measurement Type: Z Scans
Operator: YL
Comment: find Y 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 005\bscanz.dat

Temperature (C)
L143−112000−03:−−> T1 19.97 −−> T2 19.96 −−> T5 19.92 −−> T3 19.96 −−> Air 19.91 −−> T4 19.96

Axes position (m) X:0.028750 Y:0.000248
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000894 V
Vy_0i = −0.003660 V



Phase Error: Ave = 0.000000 deg, RMS = 3.136553 deg