SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

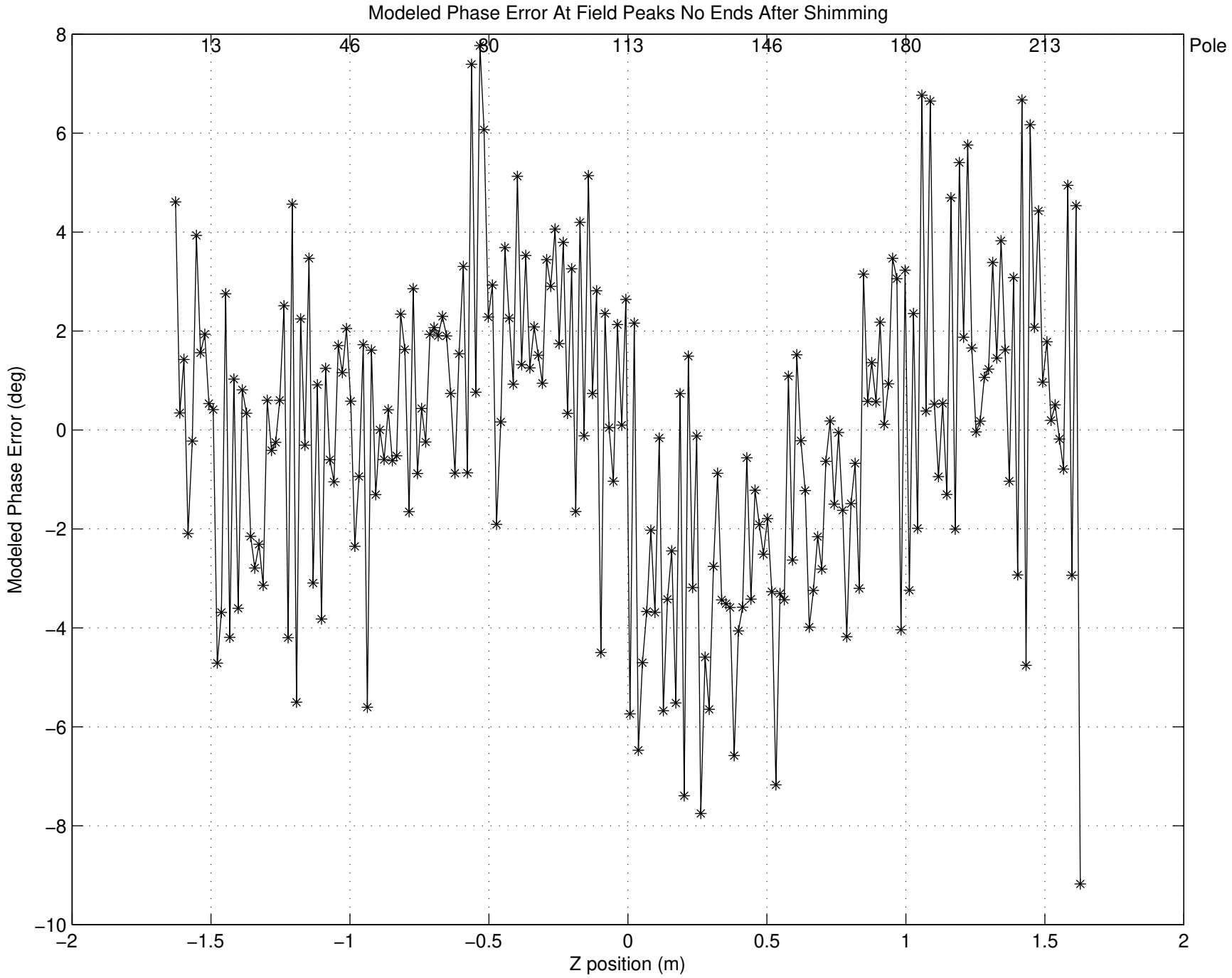
SLAC Magnetic Measurements
Date: 02−21−2013
Time: 15:06:44

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−03
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 3
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 2
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−03\DATASET0003\Fine Tuning\Z Scans\Run 003\bscanz.dat

Temperature (C)
L143−112000−03:−−> T1 20.07 −−> T2 20.07 −−> T5 20.03 −−> T3 20.07 −−> Air 19.99 −−> T4 20.07

Axes position (m) X:0.028769 Y:0.000252
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001022 V
Vy_0i = −0.003664 V



Phase Error: Ave = −0.000000 deg, RMS = 3.104784 deg