SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

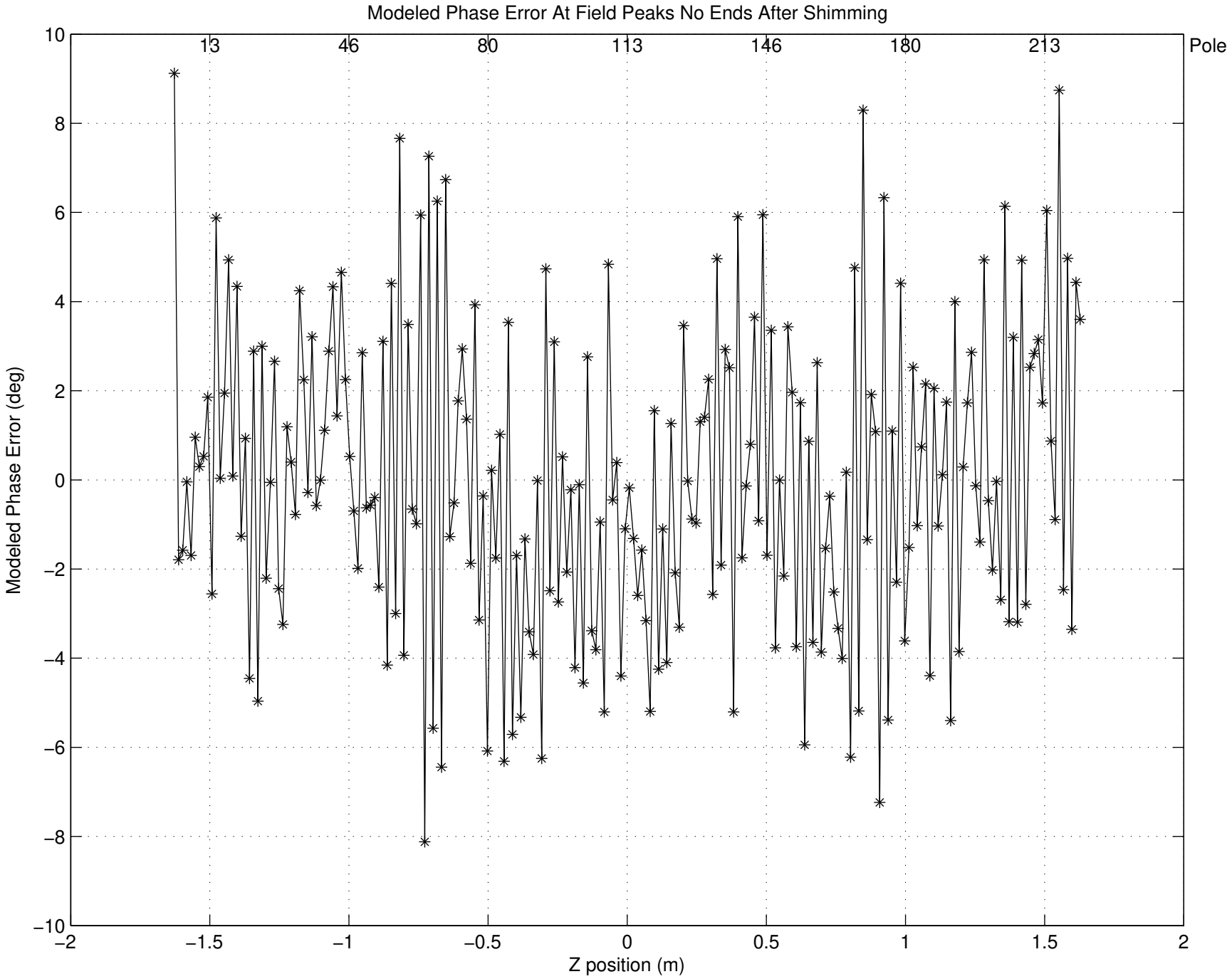
SLAC Magnetic Measurements
Date: 05−23−2013
Time: 09:33:26

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−16
DATASET Number: 7
Tuning Stage: Fine Tuning
Run Number: 5
Measurement Type: Z Scans
Operator: YL
Comment: at min K; before final scan
Session first run: 4
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−16\DATASET0007\Fine Tuning\Z Scans\Run 005\bscanz.dat

Temperature (C)
L143−112000−16:−−> T1 19.96 −−> T2 19.96 −−> T5 19.91 −−> T3 19.95 −−> Air 19.79 −−> T4 19.94

Axes position (m) X:0.029719 Y:0.000233
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000834 V
Vy_0i = −0.003565 V



Phase Error: Ave = 0.000000 deg, RMS = 3.437688 deg