SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

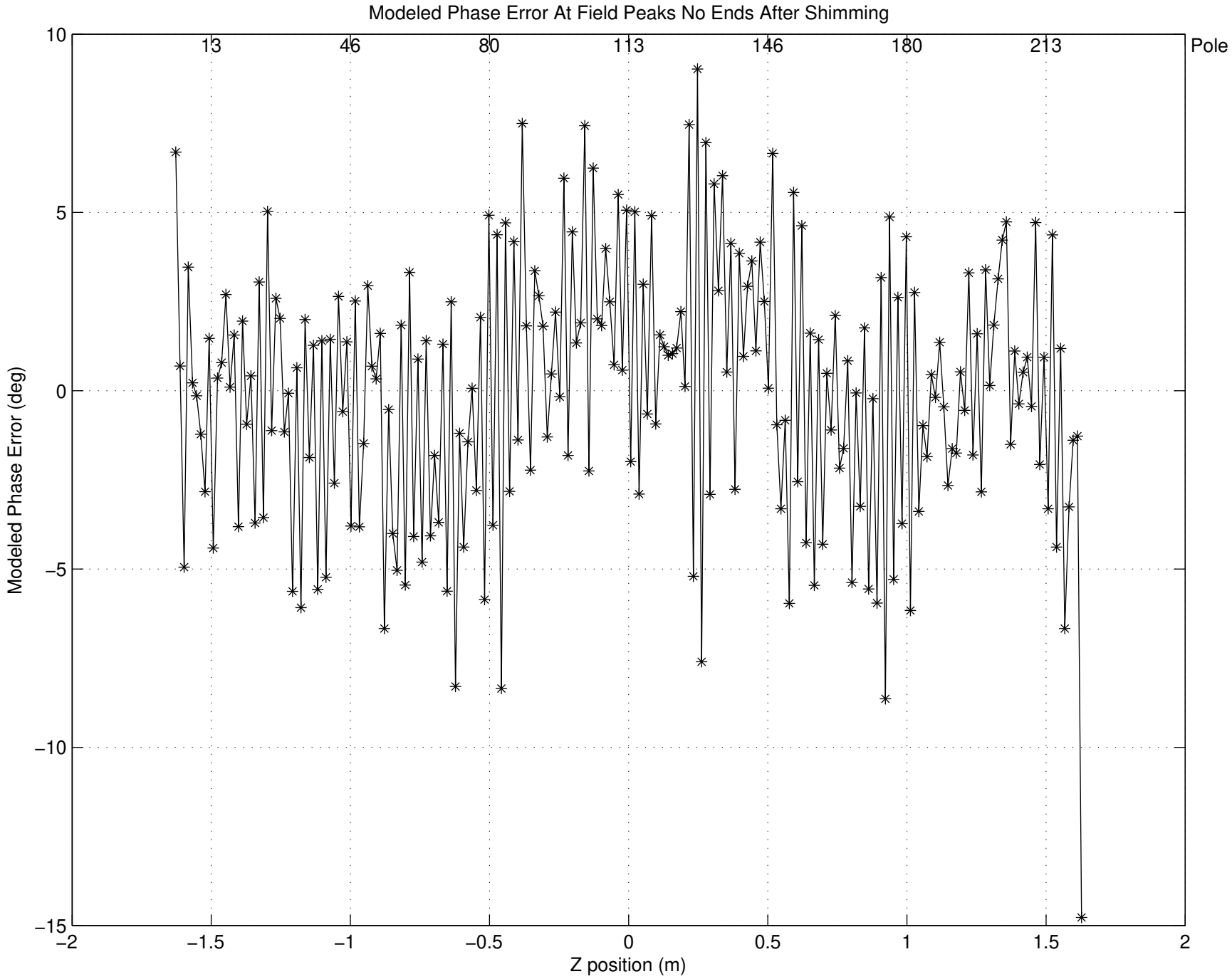
SLAC Magnetic Measurements
Date: 01−27−2012
Time: 11:03:12

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−13
DATASET Number: 39
Tuning Stage: Fine Tuning
Run Number: 5
Measurement Type: Z Scans
Operator: YL
Comment: find Y 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\L143−112000−13\DATASET0039\Fine Tuning\Z Scans\Run 005\bscanz.dat

Temperature (C)
L143−112000−13:−−> T1 19.92 −−> T2 19.92 −−> T5 19.89 −−> T3 19.91 −−> Air 19.93 −−> T4 19.91

Axes position (m) X:0.029837 Y:0.000251
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000984 V
Vy_0i = −0.003328 V



Phase Error: Ave = 0.000000 deg, RMS = 3.657330 deg