SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

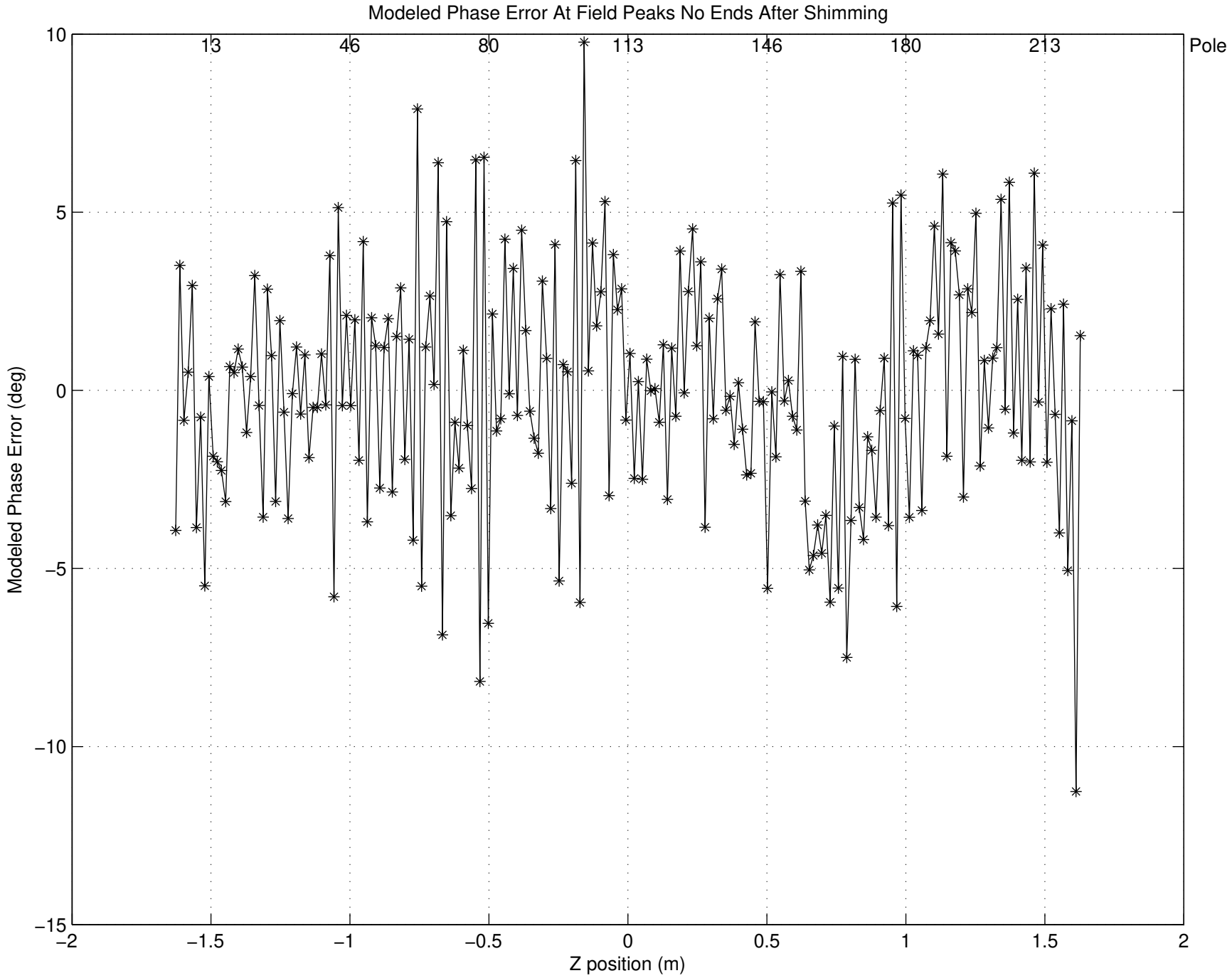
SLAC Magnetic Measurements
Date: 09−18−2012
Time: 10:19:01

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−20
DATASET Number: 8
Tuning Stage: Fine Tuning
Run Number: 5
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 5
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−20\DATASET0008\Fine Tuning\Z Scans\Run 005\bscanz.dat

Temperature (C)
L143−112000−20:−−> T1 20.05 −−> T2 20.05 −−> T5 20.01 −−> T3 20.05 −−> Air 19.98 −−> T4 20.04

Axes position (m) X:0.029870 Y:0.000295
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000958 V
Vy_0i = −0.003143 V



Phase Error: Ave = 0.000000 deg, RMS = 3.266650 deg