SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

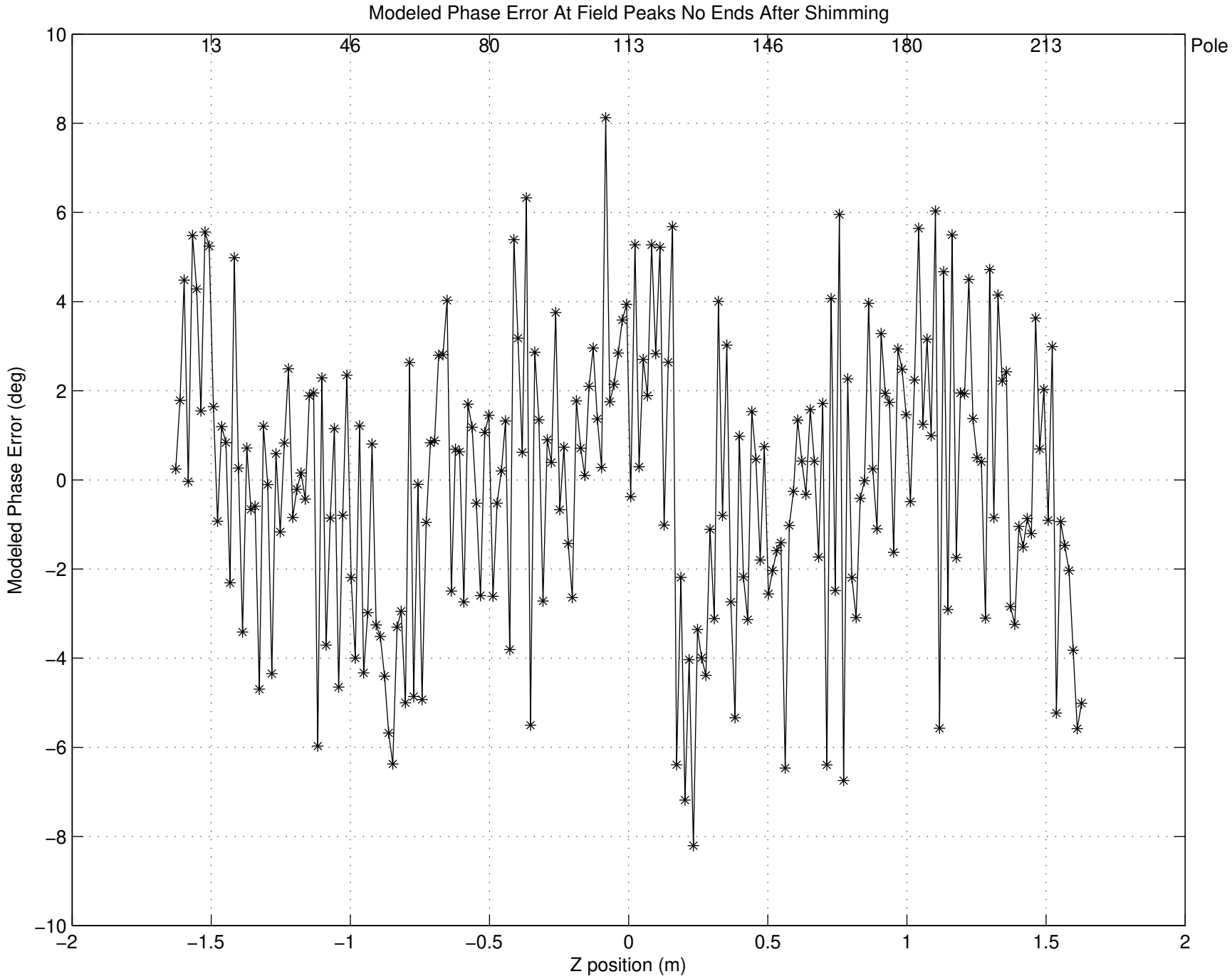
SLAC Magnetic Measurements
Date: 11−28−2012
Time: 10:28:26

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−27
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 9
Measurement Type: Z Scans
Operator: YL
Comment: at min K; after 1−st gap correction
Session first run: 8
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−27\DATASET0003\Fine Tuning\Z Scans\Run 009\bscanz.dat

Temperature (C)
L143−112000−27:−−> T1 19.99 −−> T2 19.97 −−> T5 19.94 −−> T3 19.98 −−> Air 19.99 −−> T4 19.96

Axes position (m) X:0.030171 Y:0.000216
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001108 V
Vy_0i = −0.003361 V



Phase Error: Ave = 0.000000 deg, RMS = 3.138992 deg