SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

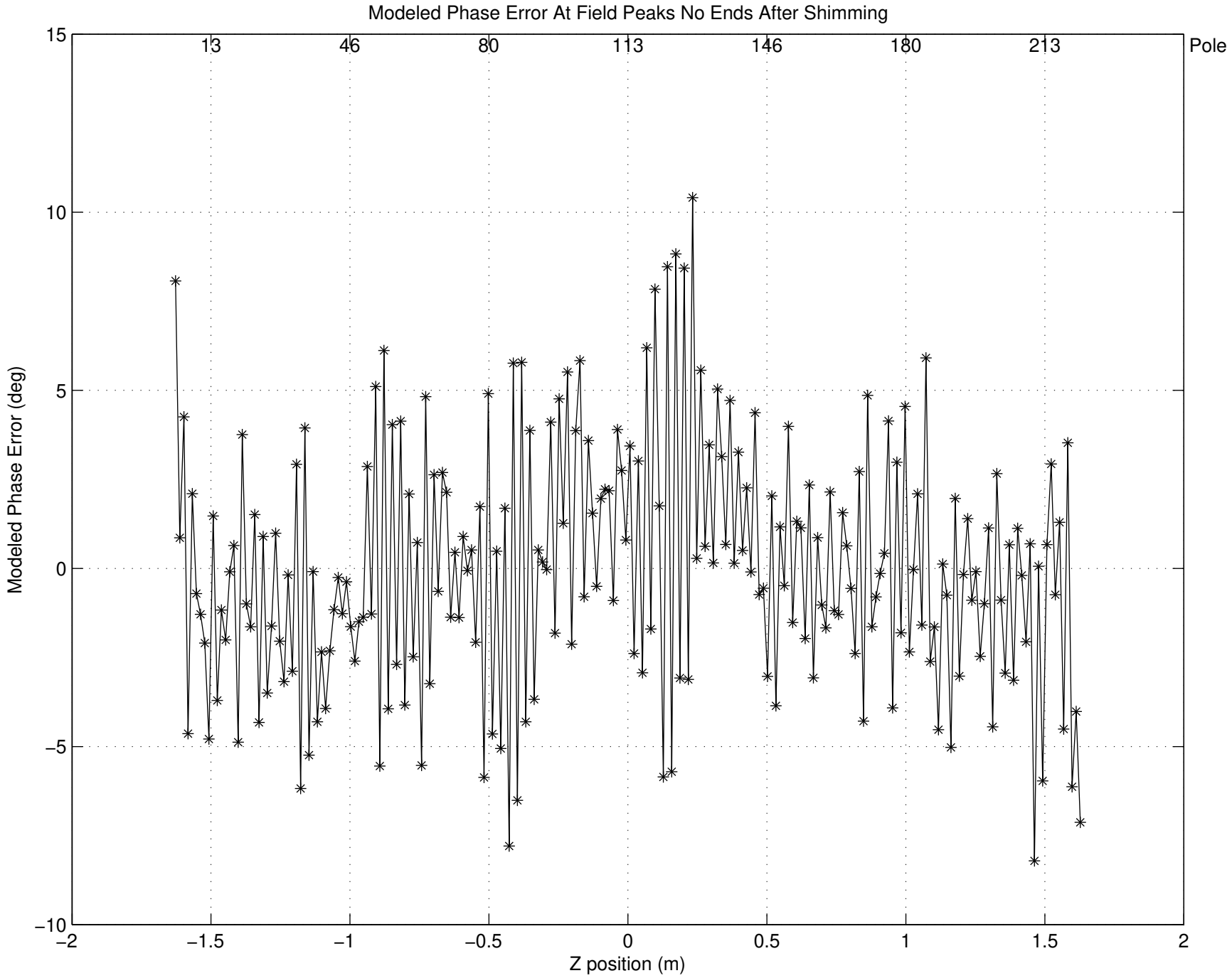
SLAC Magnetic Measurements
Date: 09−13−2013
Time: 10:39:27

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−35
DATASET Number: 5
Tuning Stage: Fine Tuning
Run Number: 14
Measurement Type: Z Scans
Operator: YL
Comment: at min K; before final
Session first run: 12
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−35\DATASET0005\Fine Tuning\Z Scans\Run 014\bscanz.dat

Temperature (C)
L143−112000−35:−−> T1 20.00 −−> T2 19.99 −−> T5 19.92 −−> T3 19.99 −−> Air 19.96 −−> T4 19.96

Axes position (m) X:0.029695 Y:0.000226
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000847 V
Vy_0i = −0.003098 V



Phase Error: Ave = −0.000000 deg, RMS = 3.420186 deg