SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

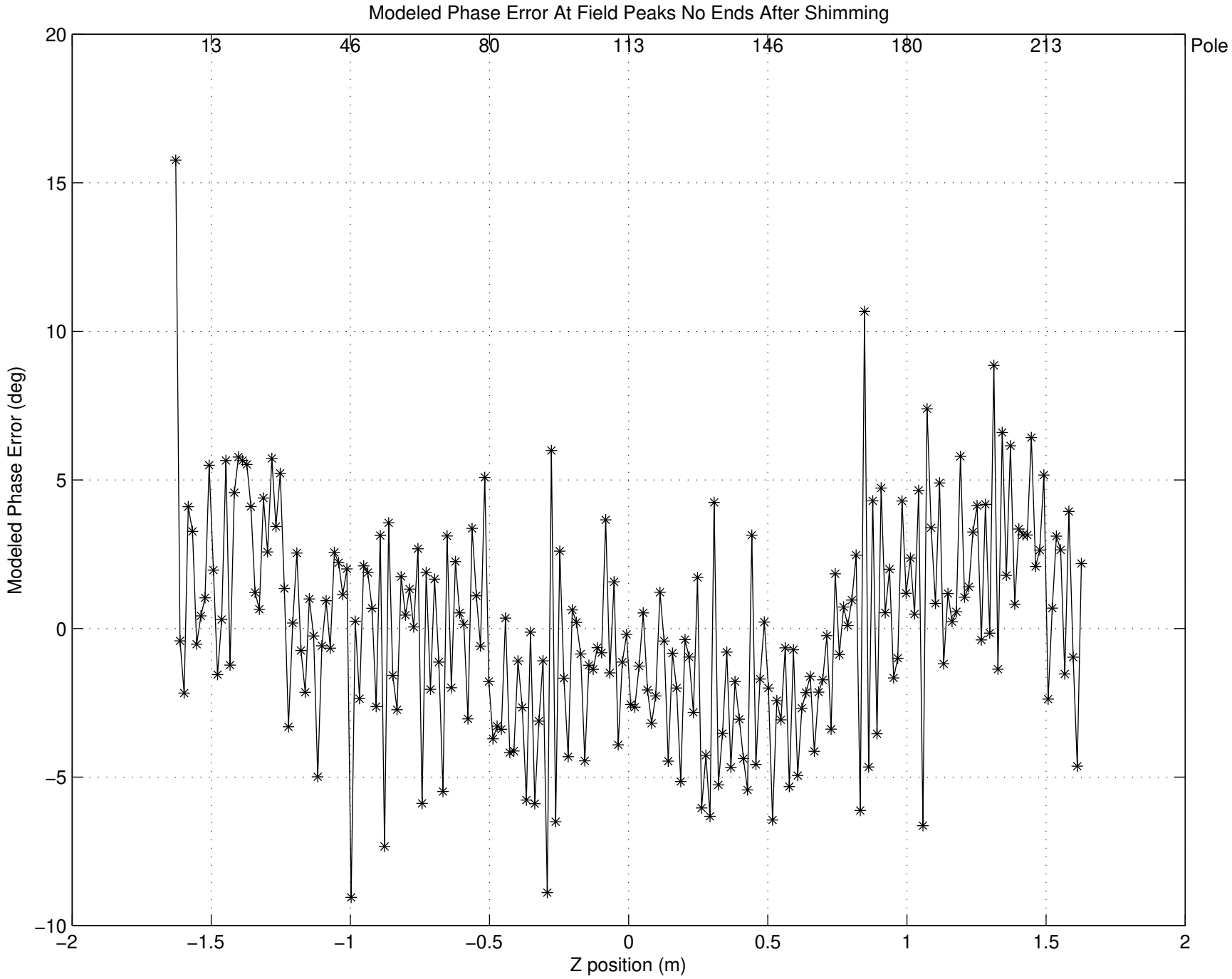
SLAC Magnetic Measurements
Date: 01−15−2013
Time: 15:00:25

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−40
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 22
Measurement Type: Z Scans
Operator: YL
Comment: check; before final scan
Session first run: 20
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−40\DATASET0003\Fine Tuning\Z Scans\Run 022\bscanz.dat

Temperature (C)
L143−112000−40:−−> T1 19.96 −−> T2 19.94 −−> T5 19.90 −−> T3 19.94 −−> Air 19.97 −−> T4 19.93

Axes position (m) X:0.029063 Y:0.000225
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000862 V
Vy_0i = −0.003802 V



Phase Error: Ave = −0.000000 deg, RMS = 3.590818 deg