SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

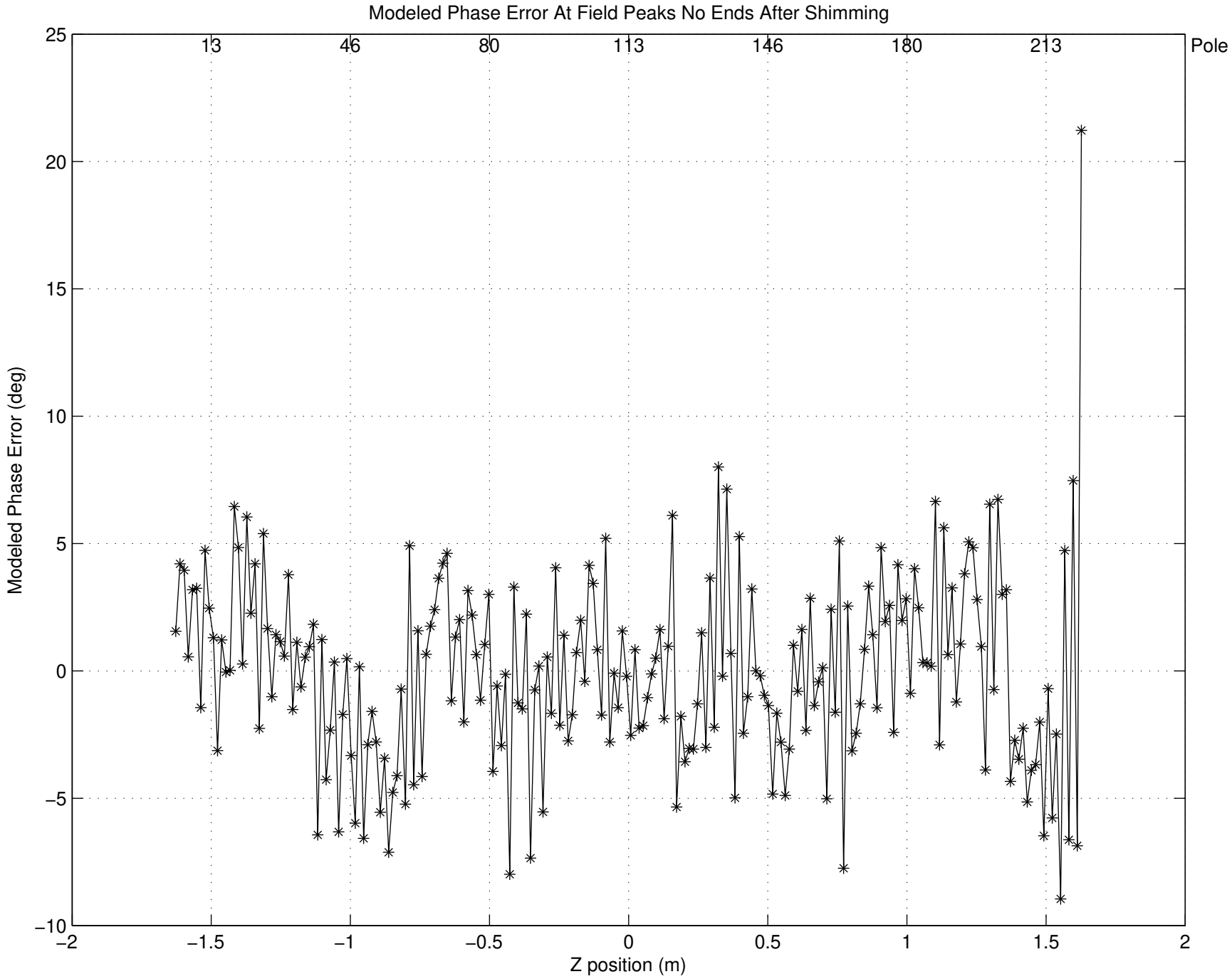
SLAC Magnetic Measurements
Date: 11−21−2012
Time: 13:31:44

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−27
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 4
Measurement Type: Z Scans
Operator: YL
Comment: tuning
Session first run: 4
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−27\DATASET0003\Fine Tuning\Z Scans\Run 004\bscanz.dat

Temperature (C)
L143−112000−27:−−> T1 20.35 −−> T2 20.35 −−> T5 20.21 −−> T3 20.35 −−> Air 19.99 −−> T4 20.31

Axes position (m) X:0.030172 Y:0.000216
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000984 V
Vy_0i = −0.003409 V



Phase Error: Ave = 0.000000 deg, RMS = 3.718145 deg