SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

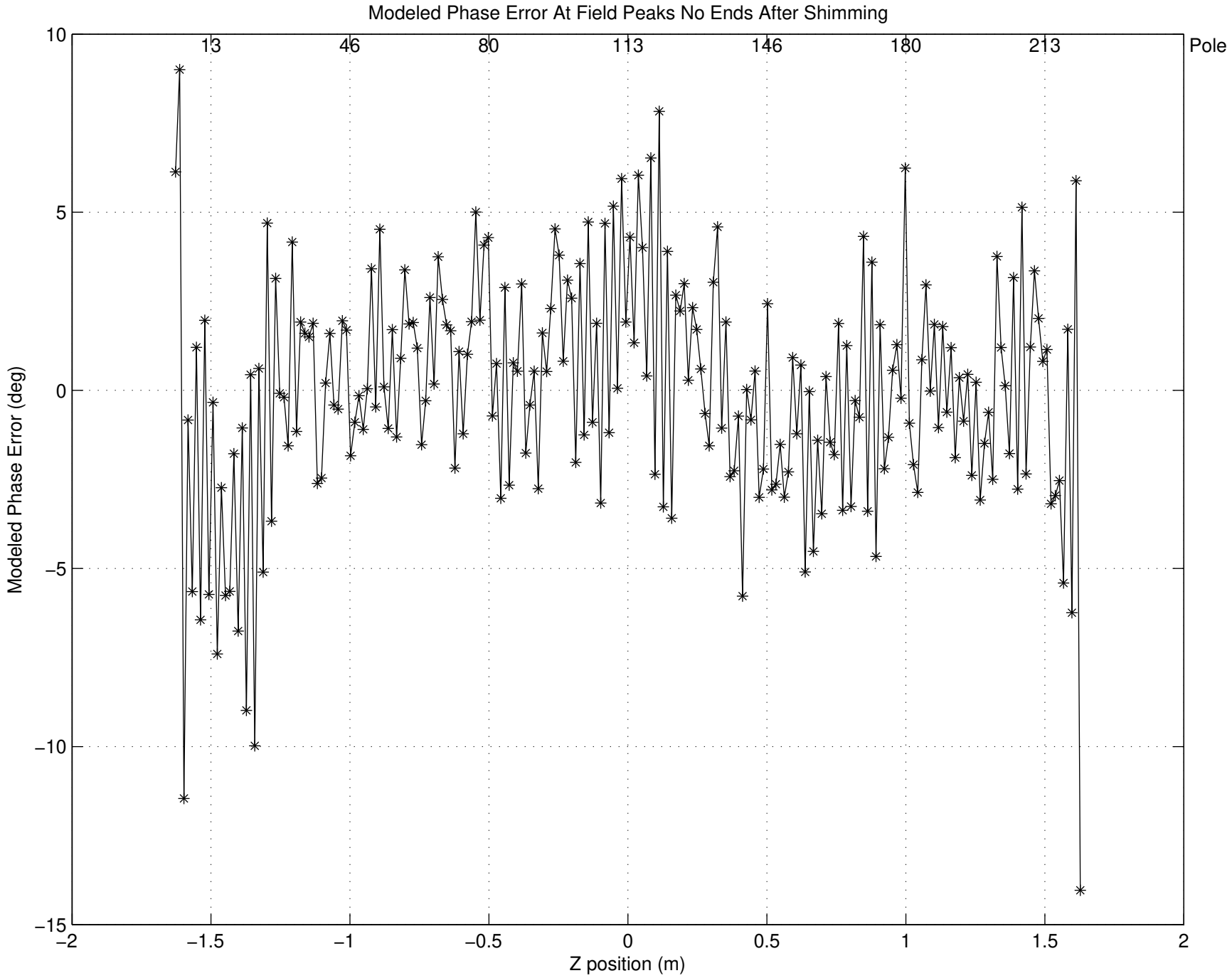
SLAC Magnetic Measurements
Date: 10−02−2013
Time: 09:45:02

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−07
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 7
Measurement Type: Z Scans
Operator: YL
Comment: at min K; before final
Session first run: 6
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: c:\magdata\LCLS\Undulator\L143−112000−07\DATASET0003\Fine Tuning\Z Scans\Run 007\bscanz.dat

Temperature (C)
L143−112000−07:−−> T1 20.01 −−> T2 19.99 −−> T5 19.94 −−> T3 20.00 −−> Air 19.95 −−> T4 19.96

Axes position (m) X:0.030029 Y:0.000129
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000942 V
Vy_0i = −0.003356 V



Phase Error: Ave = 0.000000 deg, RMS = 3.290346 deg