SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

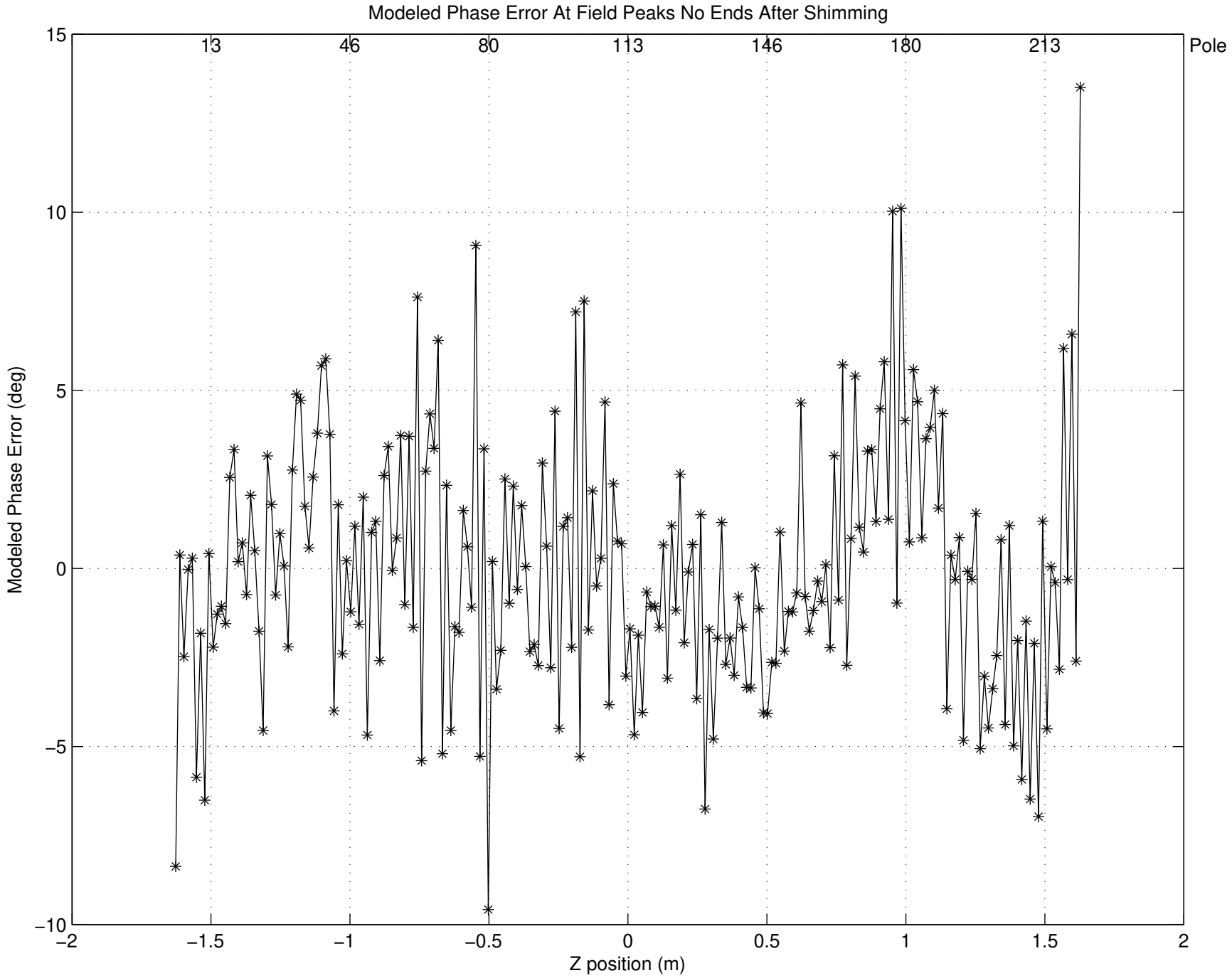
SLAC Magnetic Measurements
Date: 09−07−2012
Time: 15:31:16

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−20
DATASET Number: 8
Tuning Stage: Fine Tuning
Run Number: 3
Measurement Type: Z Scans
Operator: YL
Comment: tuning
Session first run: 2
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−20\DATASET0008\Fine Tuning\Z Scans\Run 003\bscanz.dat

Temperature (C)
L143−112000−20:−−> T1 20.06 −−> T2 20.05 −−> T5 19.99 −−> T3 20.05 −−> Air 20.03 −−> T4 20.03

Axes position (m) X:0.029878 Y:0.000257
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001083 V
Vy_0i = −0.003103 V



Phase Error: Ave = 0.000000 deg, RMS = 3.512320 deg