SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

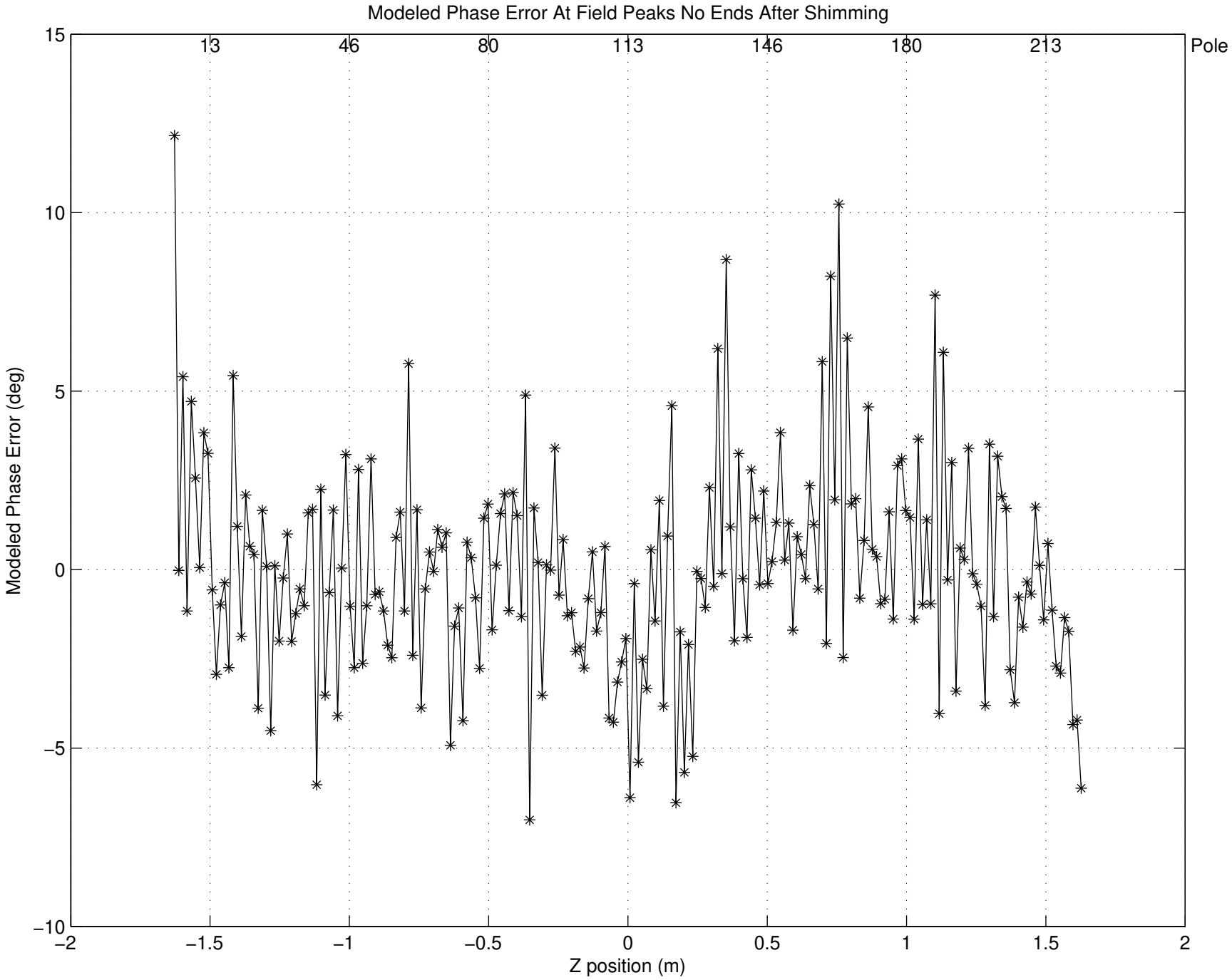
SLAC Magnetic Measurements
Date: 11−29−2012
Time: 16:38:43

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−27
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 14
Measurement Type: Z Scans
Operator: YL
Comment: tuning; after 2−d gap correction
Session first run: 11
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−27\DATASET0003\Fine Tuning\Z Scans\Run 014\bscanz.dat

Temperature (C)
L143−112000−27:−−> T1 20.00 −−> T2 19.98 −−> T5 19.97 −−> T3 19.98 −−> Air 20.04 −−> T4 20.00

Axes position (m) X:0.030246 Y:0.000210
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001038 V
Vy_0i = −0.003315 V



Phase Error: Ave = 0.000000 deg, RMS = 2.950733 deg