SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

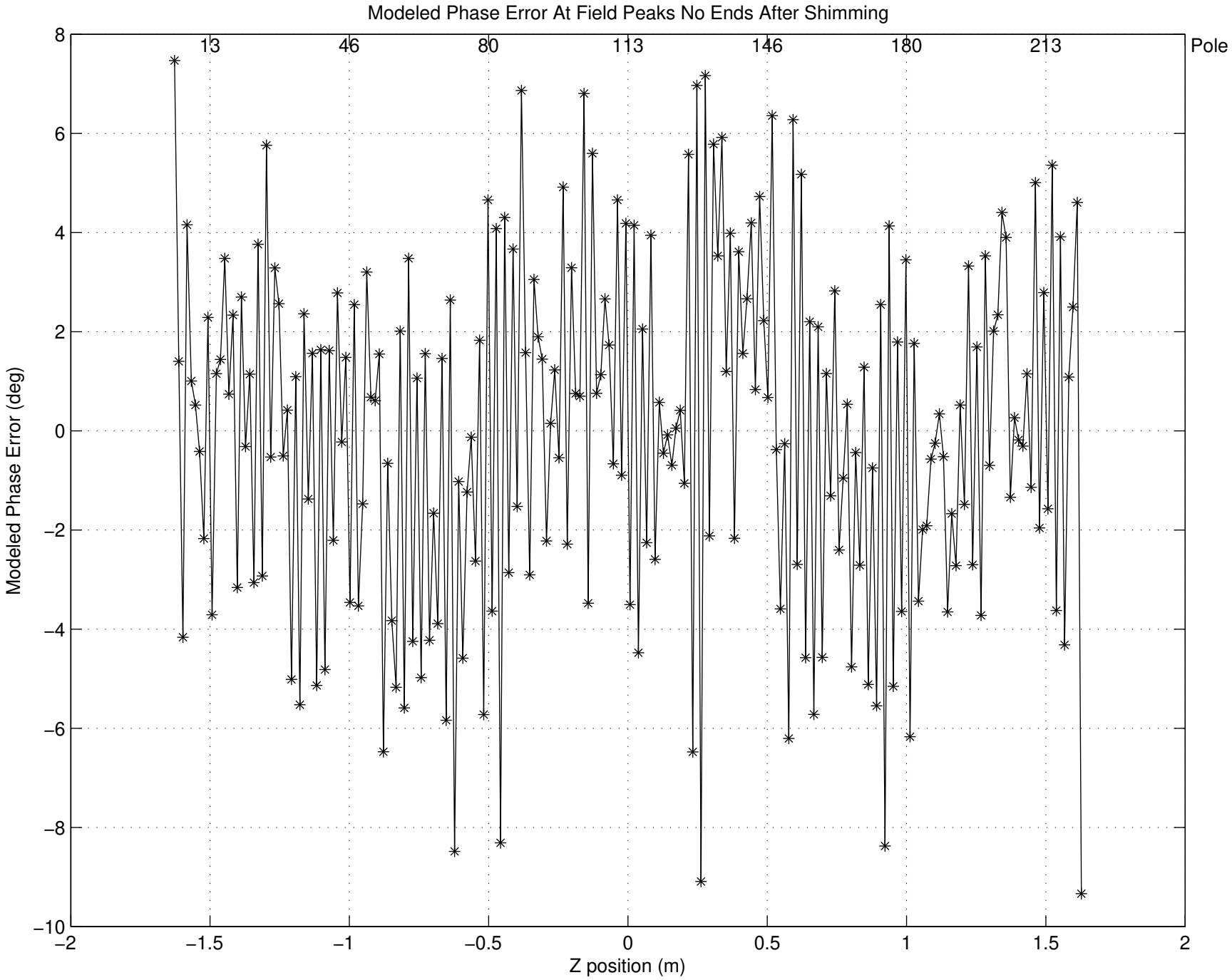
SLAC Magnetic Measurements
Date: 10−16−2014
Time: 14:26:05

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−13
DATASET Number: 48
Tuning Stage: Fine Tuning
Run Number: 9
Measurement Type: Z Scans
Operator: YL
Comment: final; before moving to tunnel for storage
Session first run: 8
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−13\DATASET0048\Fine Tuning\Z Scans\Run 009\bscanz.dat

Temperature (C)
L143−112000−13:−−> T1 19.98 −−> T2 19.97 −−> T5 19.91 −−> T3 19.97 −−> Air 20.00 −−> T4 19.94

Axes position (m) X:0.039442 Y:0.000212
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001161 V
Vy_0i = −0.003147 V



Phase Error: Ave = −0.000000 deg, RMS = 3.514698 deg