SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

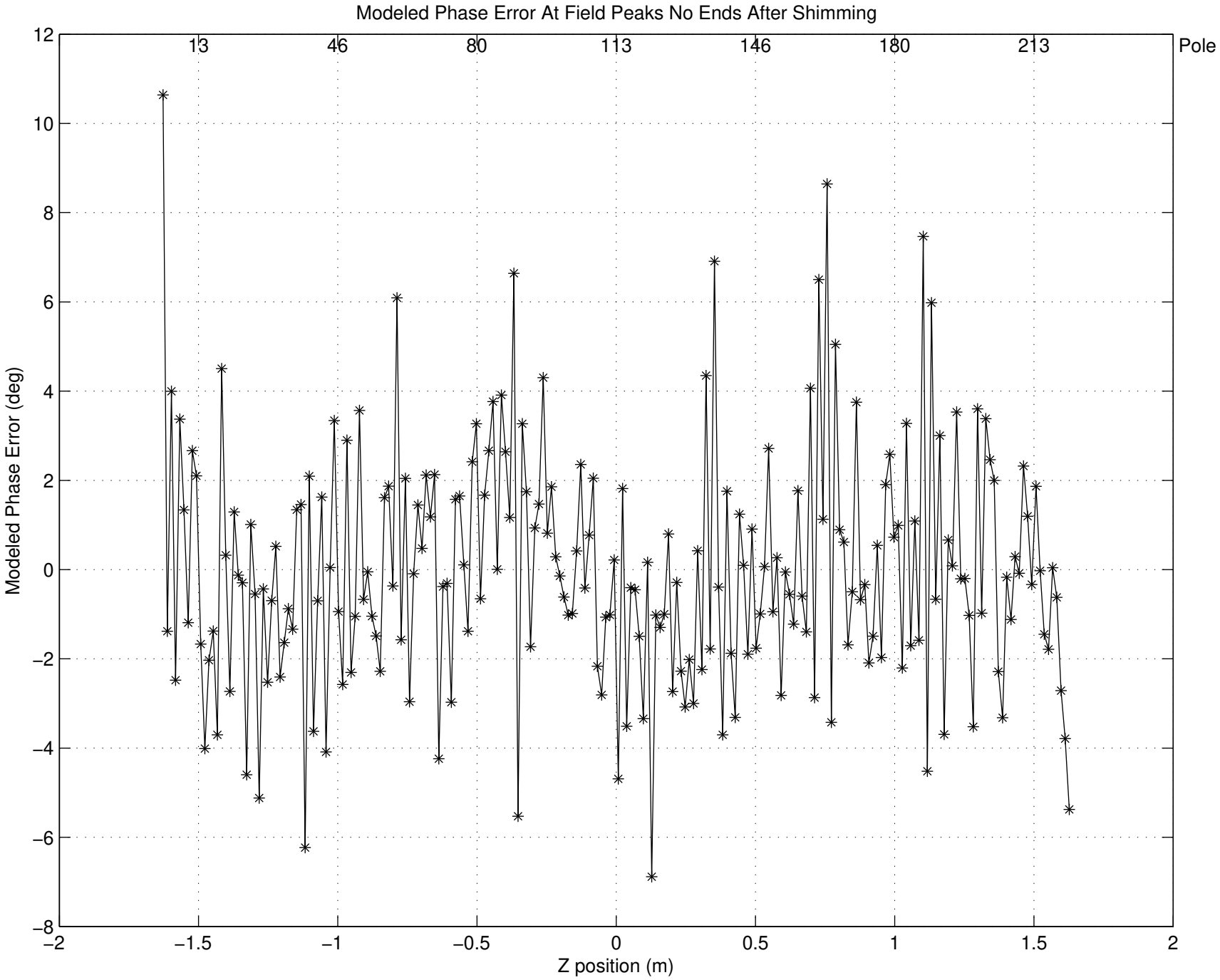
SLAC Magnetic Measurements
Date: 12−04−2012
Time: 10:13:40

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−27
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 16
Measurement Type: Z Scans
Operator: YL
Comment: check shims glued
Session first run: 15
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−27\DATASET0003\Fine Tuning\Z Scans\Run 016\bscanz.dat

Temperature (C)
L143−112000−27:−−> T1 19.97 −−> T2 19.95 −−> T5 19.94 −−> T3 19.95 −−> Air 19.99 −−> T4 19.94

Axes position (m) X:0.030246 Y:0.000218
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000873 V
Vy_0i = −0.003459 V



Phase Error: Ave = 0.000000 deg, RMS = 2.674837 deg