SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

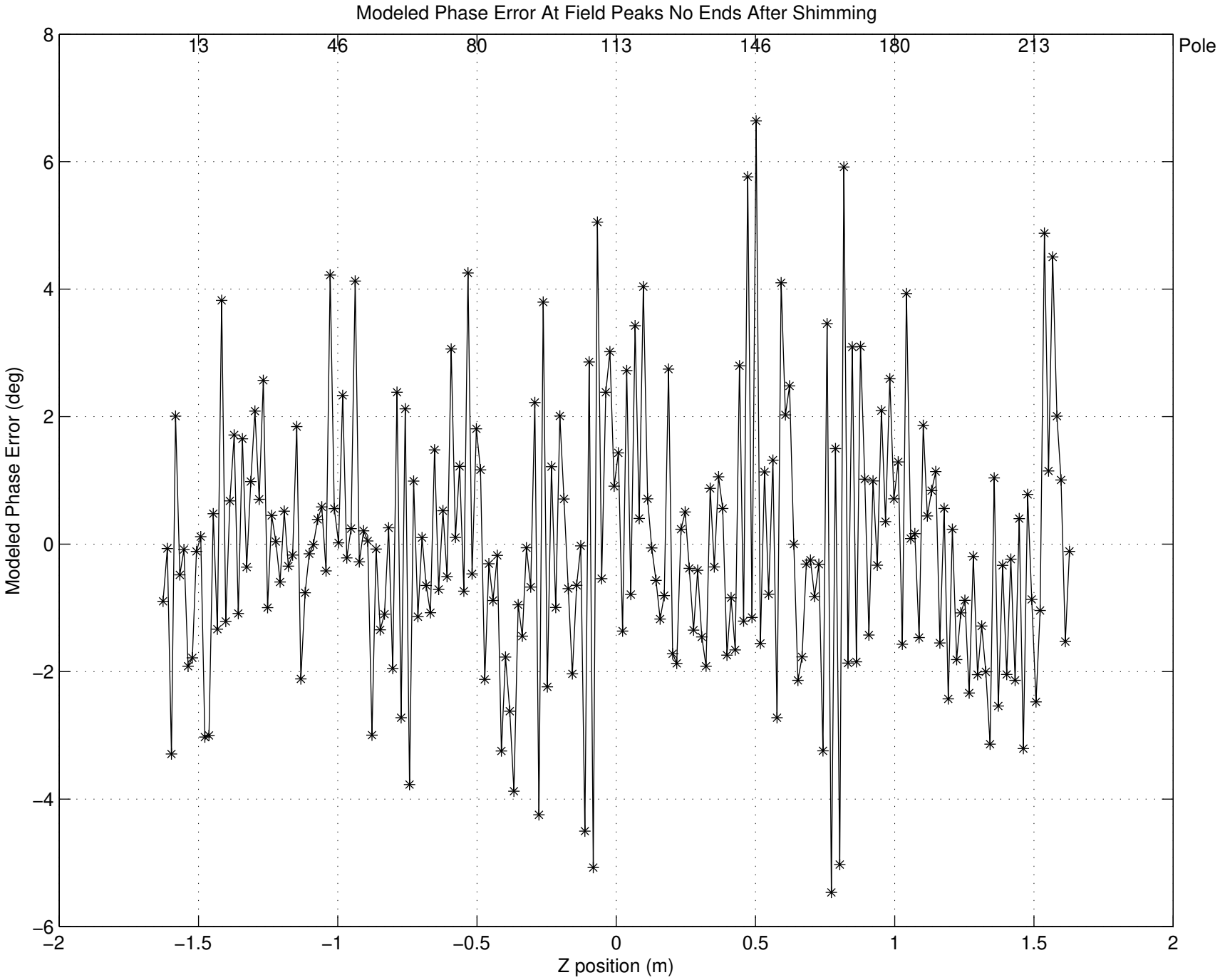
SLAC Magnetic Measurements
Date: 11−12−2012
Time: 10:26:03

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−04
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 16
Measurement Type: Z Scans
Operator: YL
Comment: find first pole position
Session first run: 16
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−04\DATASET0003\Fine Tuning\Z Scans\Run 016\bscanz.dat

Temperature (C)
L143−112000−04:−−> T1 19.96 −−> T2 19.93 −−> T5 19.94 −−> T3 19.93 −−> Air 19.87 −−> T4 19.94

Axes position (m) X:0.029927 Y:0.000245
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000899 V
Vy_0i = −0.003576 V



Phase Error: Ave = −0.000000 deg, RMS = 2.078281 deg