SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

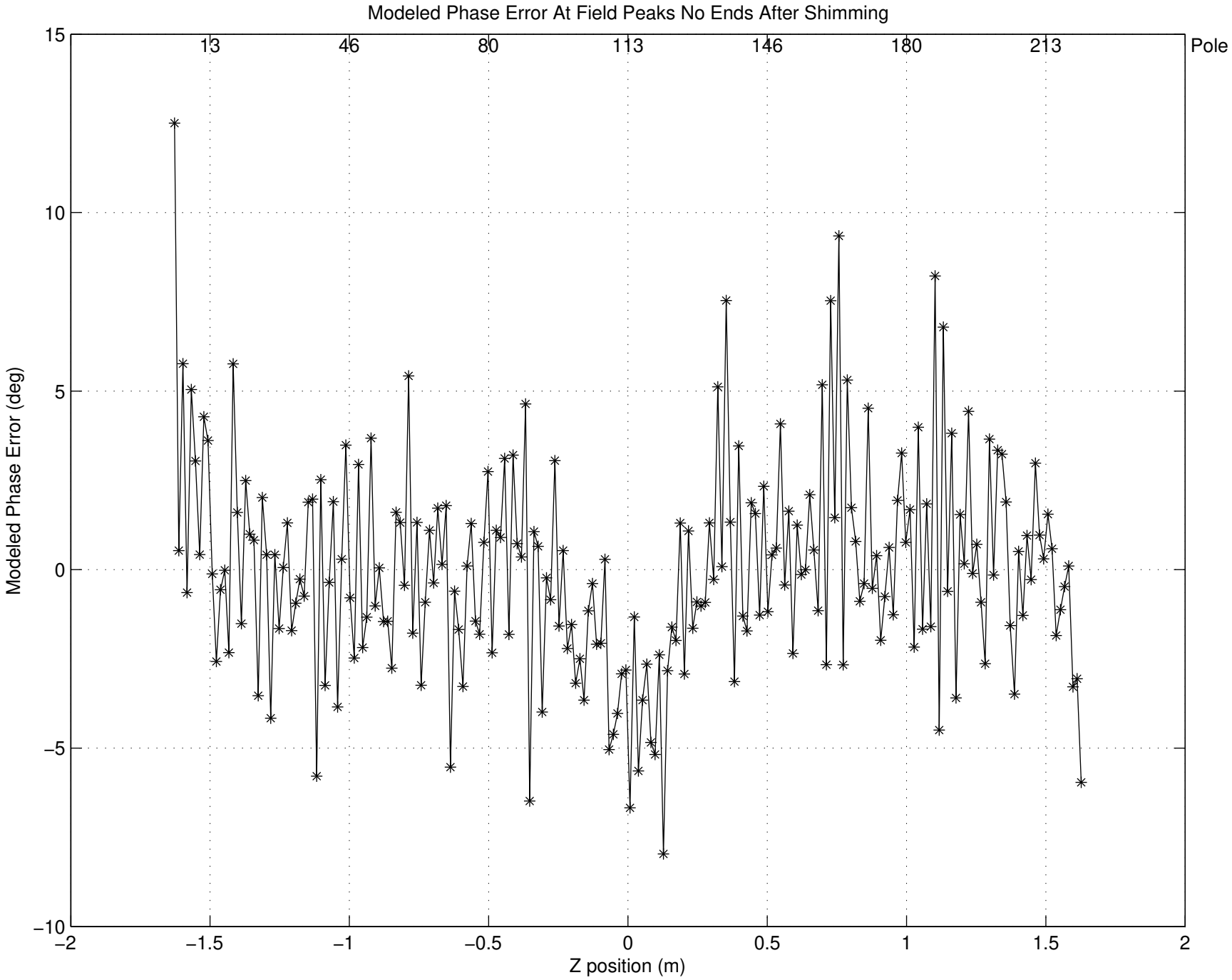
SLAC Magnetic Measurements
Date: 12−05−2012
Time: 11:23:25

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−27
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 17
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; before final scan
Session first run: 17
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−27\DATASET0003\Fine Tuning\Z Scans\Run 017\bscanz.dat

Temperature (C)
L143−112000−27:−−> T1 19.97 −−> T2 19.95 −−> T5 19.91 −−> T3 19.95 −−> Air 19.98 −−> T4 19.94

Axes position (m) X:0.030246 Y:0.000218
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000892 V
Vy_0i = −0.003335 V



Phase Error: Ave = 0.000000 deg, RMS = 2.951770 deg