SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

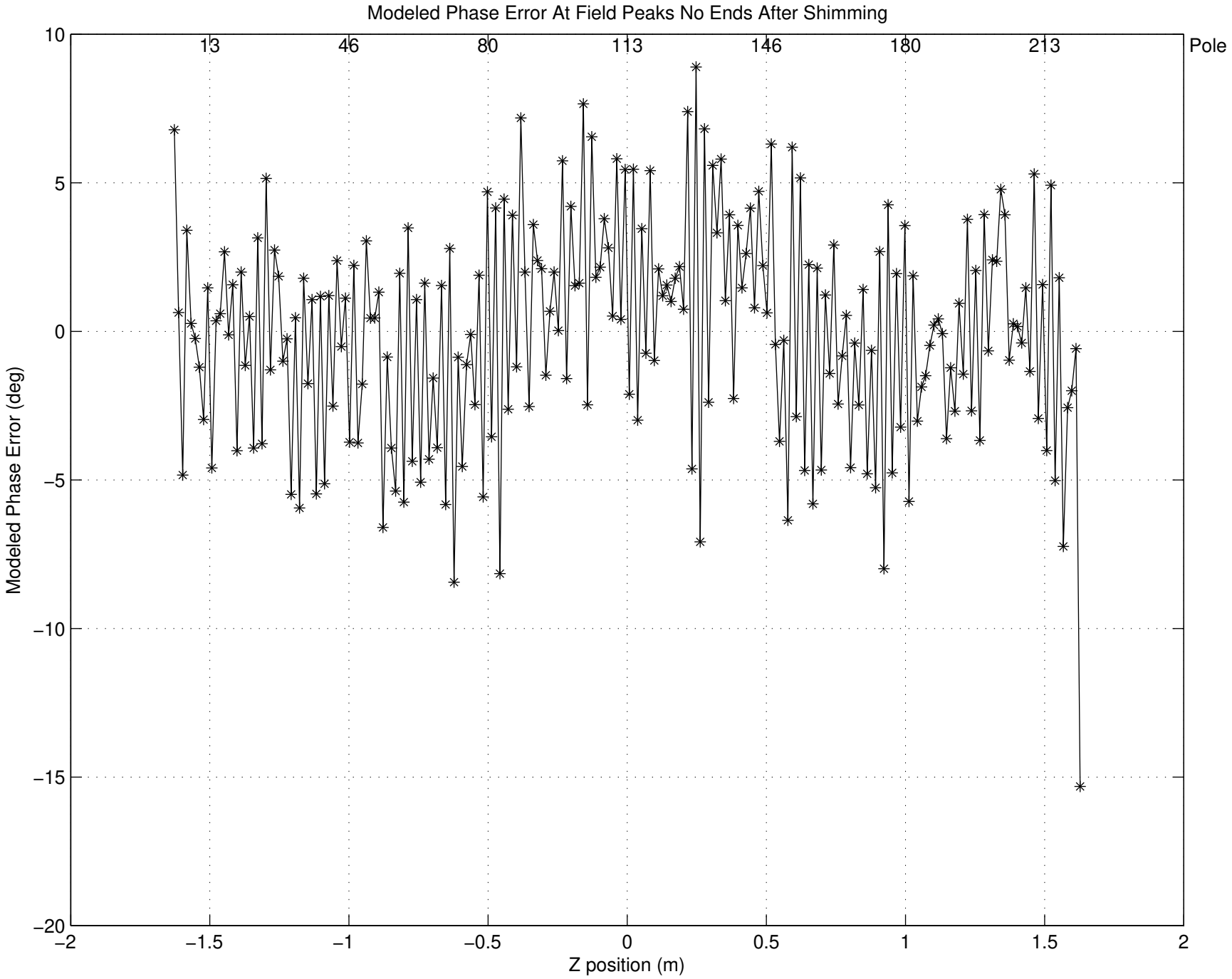
SLAC Magnetic Measurements
Date: 07−12−2011
Time: 09:30:59

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−13
DATASET Number: 37
Tuning Stage: Fine Tuning
Run Number: 3
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 2
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−13\DATASET0037\Fine Tuning\Z Scans\Run 003\bscanz.dat

Temperature (C)
L143−112000−13:−−> T1 19.98 −−> T2 19.97 −−> T5 19.94 −−> T3 19.97 −−> Air 19.99 −−> T4 19.95

Axes position (m) X:0.029785 Y:0.000322
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001135 V
Vy_0i = −0.003020 V



Phase Error: Ave = 0.000000 deg, RMS = 3.683329 deg