SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

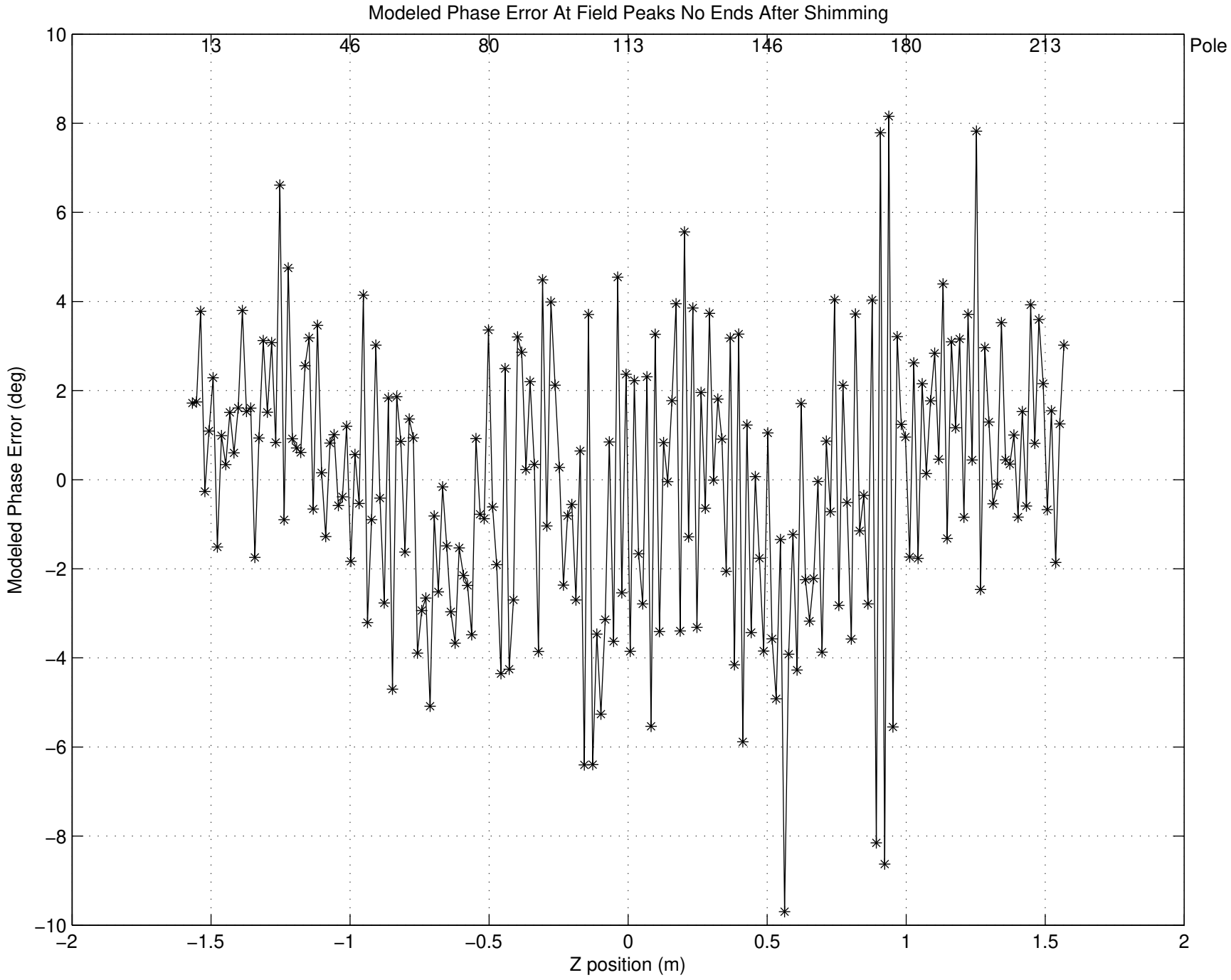
SLAC Magnetic Measurements
Date: 11−11−2010
Time: 08:28:05

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−19
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 2
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\L143−112000−19\DATASET0003\Fine Tuning\Z Scans\Run 002\bscanz.dat

Temperature (C)
L143−112000−19:−−> T5 20.07 −−> T2 20.09 −−> T1 20.13 −−> T3 20.10 −−> Air 20.07 −−> T4 20.09

Axes position (m) X:0.039911 Y:0.000304
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001230 V
Vy_0i = −0.003213 V



Phase Error: Ave = 0.000000 deg, RMS = 2.995995 deg