SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

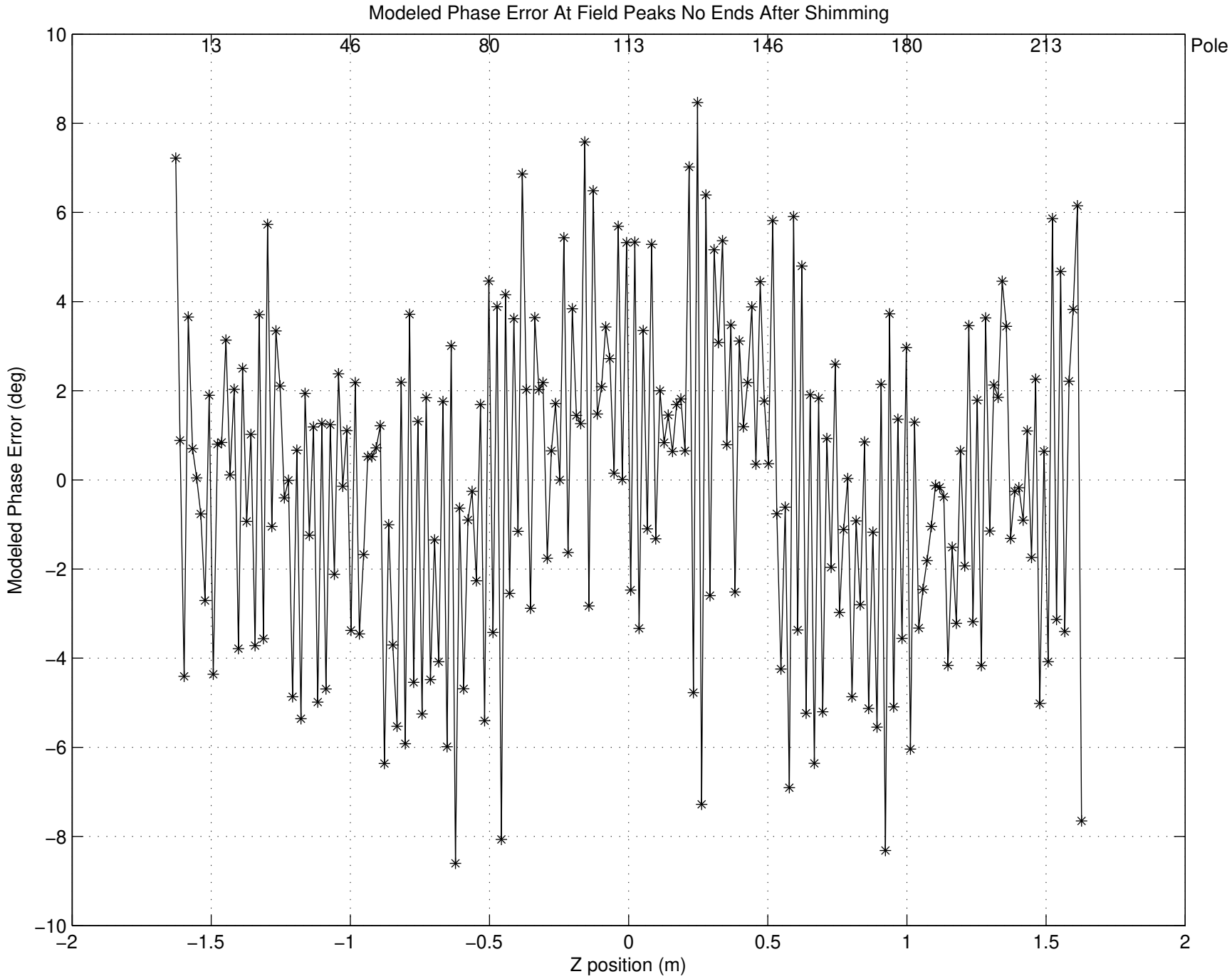
SLAC Magnetic Measurements
Date: 05−26−2011
Time: 09:21:30

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−13
DATASET Number: 36
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\L143−112000−13\DATASET0036\Fine Tuning\Z Scans\Run 002\bscanz.dat

Temperature (C)
L143−112000−13:−−> T1 20.00 −−> T2 19.99 −−> T5 19.96 −−> T3 19.99 −−> Air 19.91 −−> T4 19.98

Axes position (m) X:0.029712 Y:0.000272
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001161 V
Vy_0i = −0.003363 V



Phase Error: Ave = −0.000000 deg, RMS = 3.553070 deg