SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

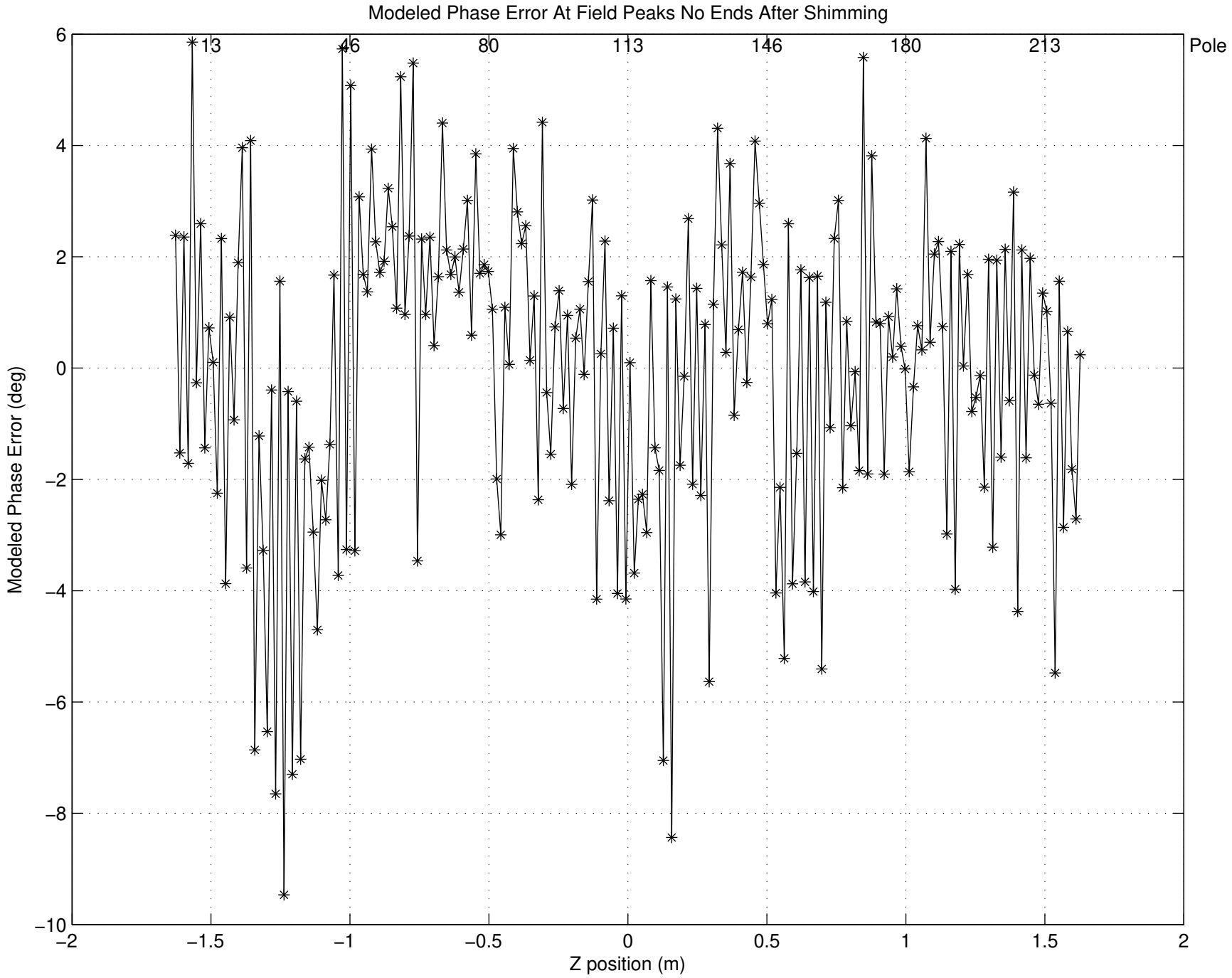
SLAC Magnetic Measurements
Date: 07−26−2012
Time: 16:48:34

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−15
DATASET Number: 6
Tuning Stage: Fine Tuning
Run Number: 9
Measurement Type: Z Scans
Operator: YL
Comment: at min K; after first gap correction
Session first run: 8
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−15\DATASET0006\Fine Tuning\Z Scans\Run 009\bscanz.dat

Temperature (C)
L143−112000−15:−−> T1 19.92 −−> T2 19.90 −−> T5 19.87 −−> T3 19.91 −−> Air 20.02 −−> T4 19.90

Axes position (m) X:0.029720 Y:0.000360
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001019 V
Vy_0i = −0.003042 V



Phase Error: Ave = −0.000000 deg, RMS = 2.830815 deg