SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

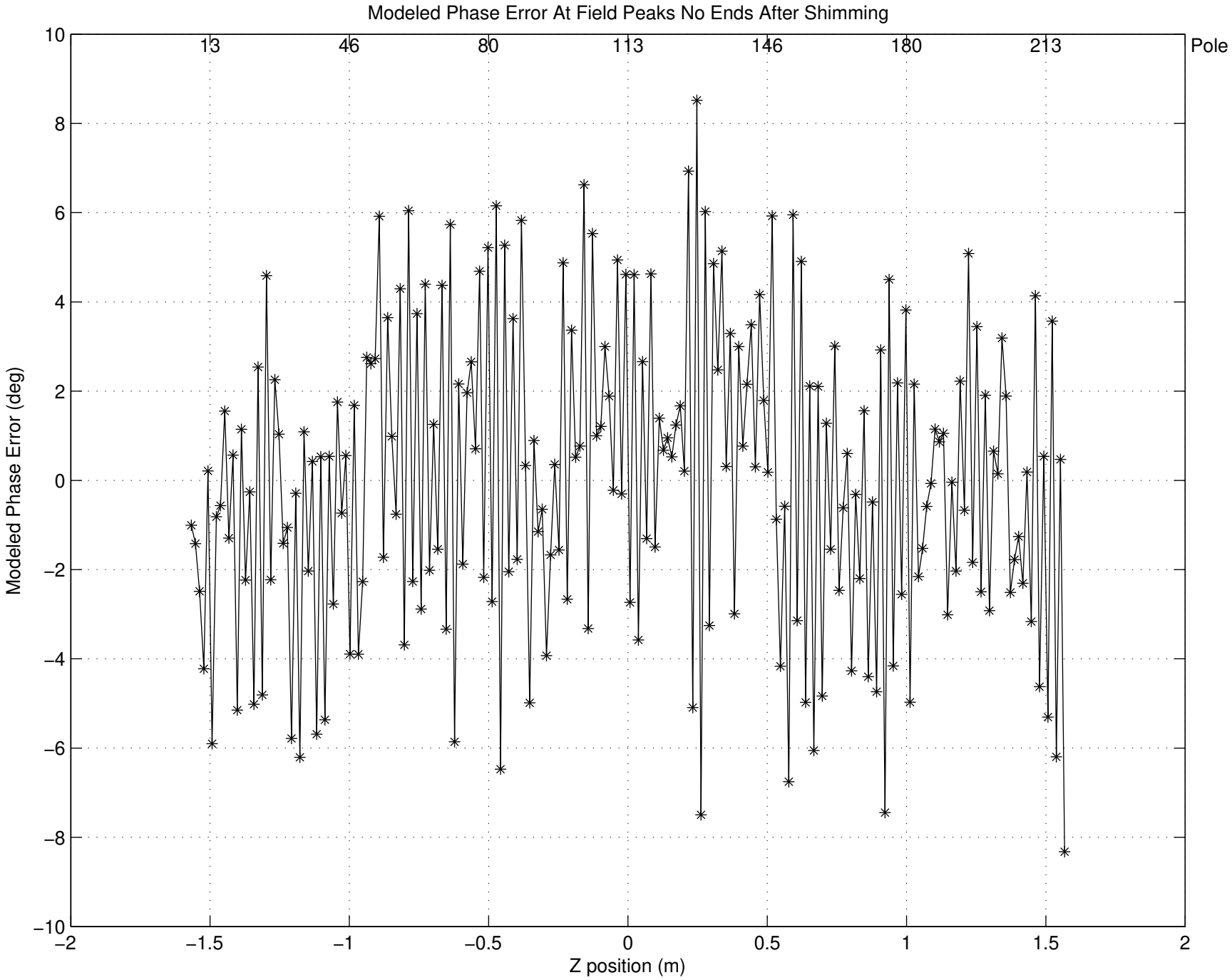
SLAC Magnetic Measurements
Date: 06−15−2010
Time: 14:28:27

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−13
DATASET Number: 31
Tuning Stage: Fine Tuning
Run Number: 4
Measurement Type: Z Scans
Operator: YL
Comment: 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\DATASET0031\Fine Tuning\Z Scans\Run 004\bscanz.dat

Temperature (C)
L143−112000−13:−−> T5 19.94 −−> T2 19.95 −−> T1 19.98 −−> T3 19.96 −−> Air 20.05 −−> T4 19.96

Axes position (m) X:0.026881 Y:0.000420
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001227 V
Vy_0i = −0.002943 V



Phase Error: Ave = 0.000000 deg, RMS = 3.412215 deg