SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

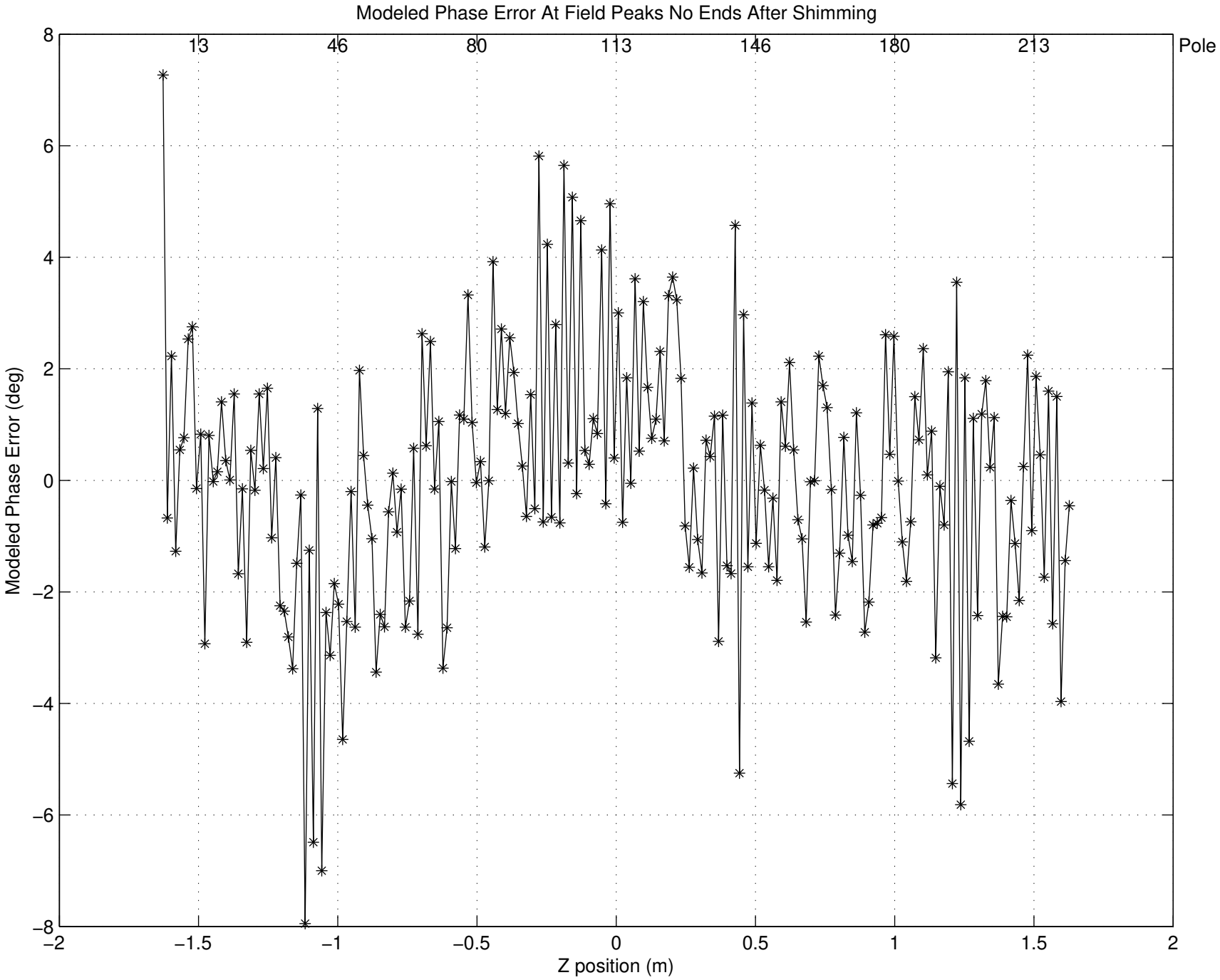
SLAC Magnetic Measurements
Date: 02−28−2012
Time: 16:39:44

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−01
DATASET Number: 2
Tuning Stage: Fine Tuning
Run Number: 20
Measurement Type: Z Scans
Operator: YL
Comment: tuning; after third gap adjustment
Session first run: 20
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−01\DATASET0002\Fine Tuning\Z Scans\Run 020\bscanz.dat

Temperature (C)
L143−112000−01:−−> T1 20.07 −−> T2 20.05 −−> T5 20.00 −−> T3 20.05 −−> Air 20.05 −−> T4 20.03

Axes position (m) X:0.030165 Y:0.000203
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001034 V
Vy_0i = −0.003802 V



Phase Error: Ave = −0.000000 deg, RMS = 2.293436 deg