SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

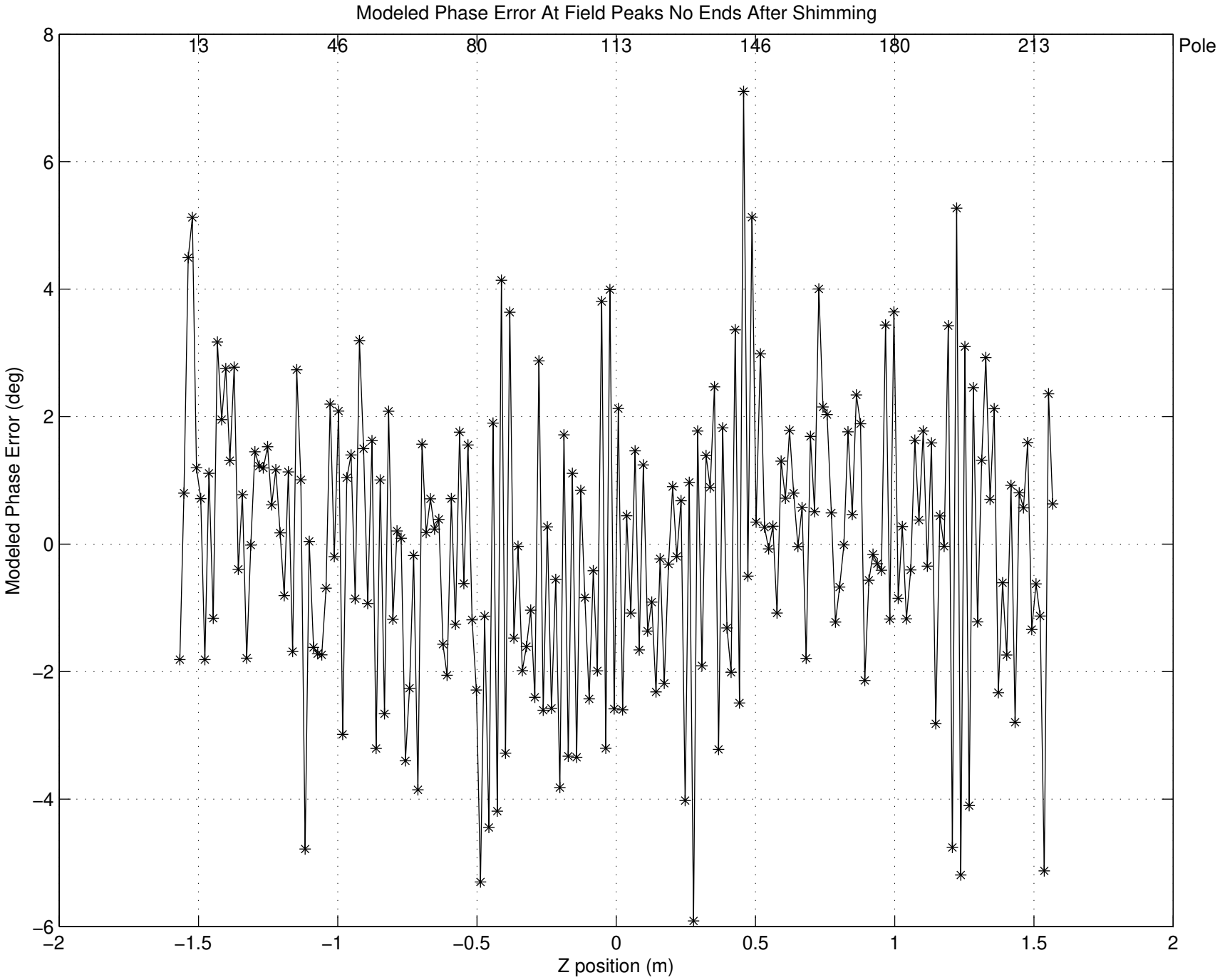
SLAC Magnetic Measurements
Date: 07−09−2010
Time: 11:34:52

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−01
DATASET Number: 1
Tuning Stage: Fine Tuning
Run Number: 20
Measurement Type: Z Scans
Operator: YL
Comment: final ; large gap
Session first run: 19
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−01\DATASET0001\Fine Tuning\Z Scans\Run 020\bscanz.dat

Temperature (C)
L143−112000−01:−−> T5 19.98 −−> T2 19.97 −−> T1 20.00 −−> T3 19.99 −−> Air 20.03 −−> T4 19.99

Axes position (m) X:0.038613 Y:0.000222
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001190 V
Vy_0i = −0.002916 V



Phase Error: Ave = 0.000000 deg, RMS = 2.228051 deg