SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

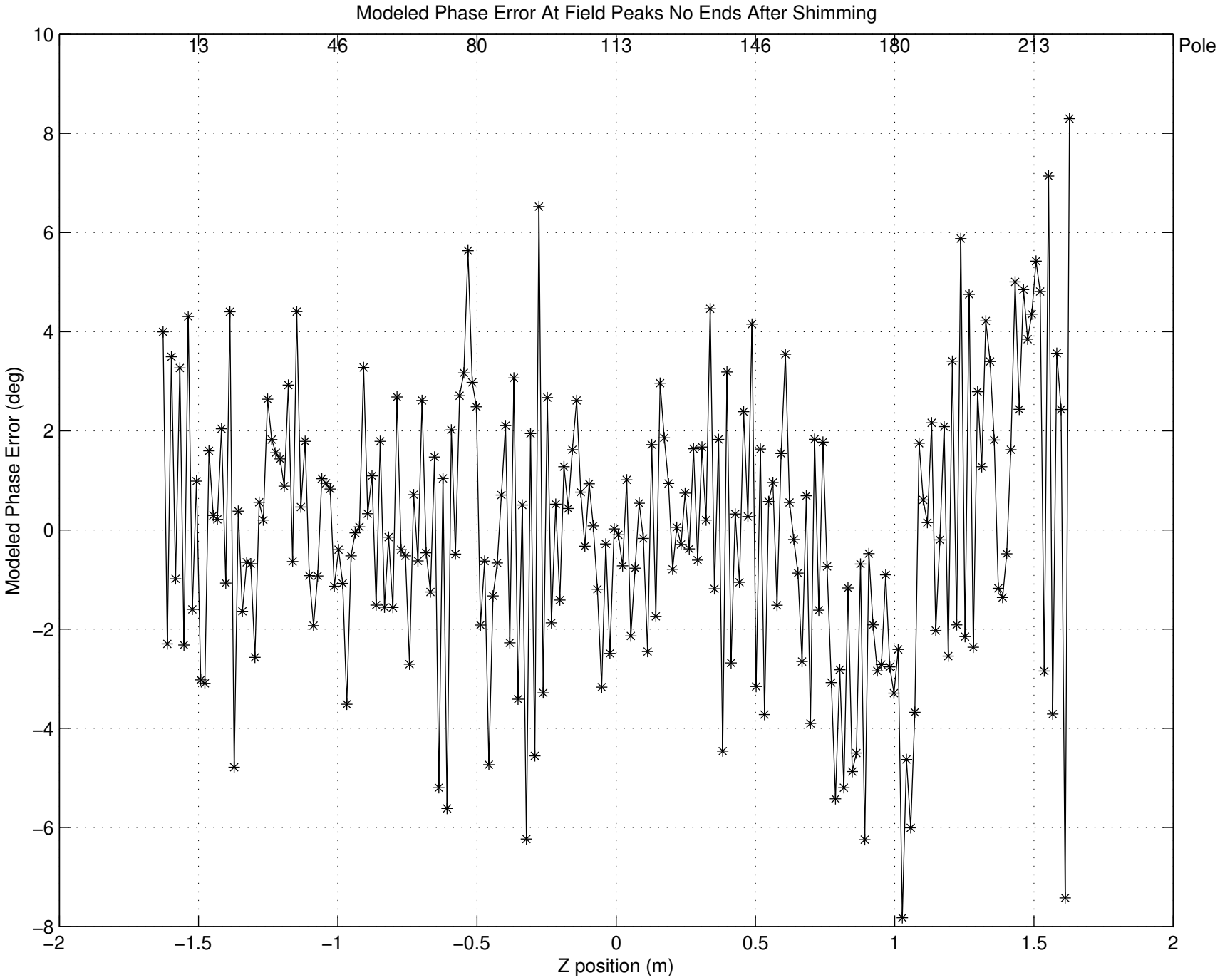
SLAC Magnetic Measurements
Date: 01−24−2013
Time: 16:31:03

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−11
DATASET Number: 4
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\L143−112000−11\DATASET0004\Fine Tuning\Z Scans\Run 002\bscanz.dat

Temperature (C)
L143−112000−11:−−> T1 20.12 −−> T2 20.12 −−> T5 20.07 −−> T3 20.12 −−> Air 19.98 −−> T4 20.10

Axes position (m) X:0.029120 Y:0.000250
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000984 V
Vy_0i = −0.003552 V



Phase Error: Ave = −0.000000 deg, RMS = 2.774032 deg