SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

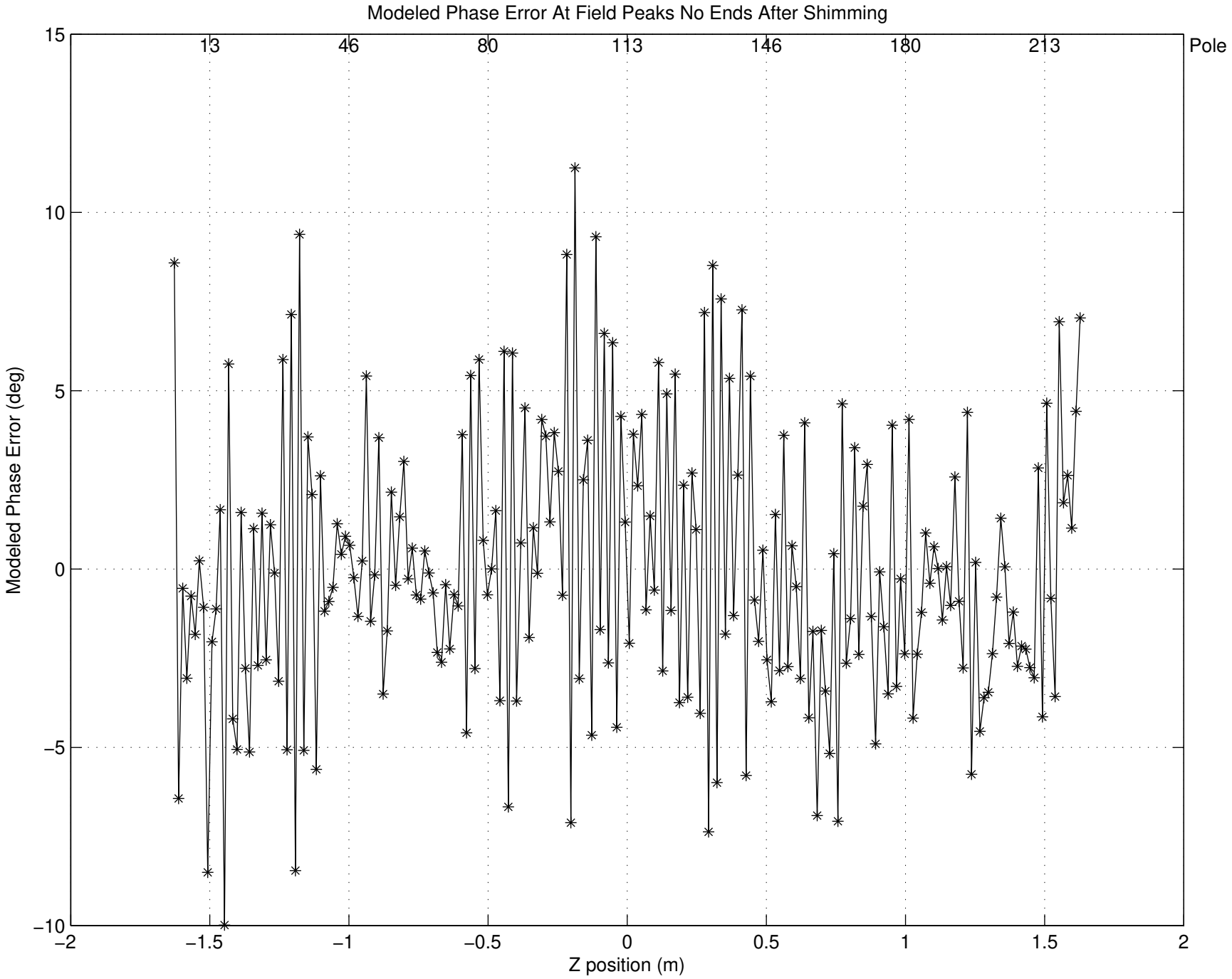
SLAC Magnetic Measurements
Date: 08−12−2011
Time: 09:54:52

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−30
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 3
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K
Session first run: 3
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−30\DATASET0004\Fine Tuning\Z Scans\Run 003\bscanz.dat

Temperature (C)
L143−112000−30:−−> T1 20.04 −−> T2 20.03 −−> T5 19.99 −−> T3 20.03 −−> Air 20.02 −−> T4 20.02

Axes position (m) X:0.027386 Y:0.000312
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000992 V
Vy_0i = −0.002961 V



Phase Error: Ave = 0.000000 deg, RMS = 3.827533 deg