SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

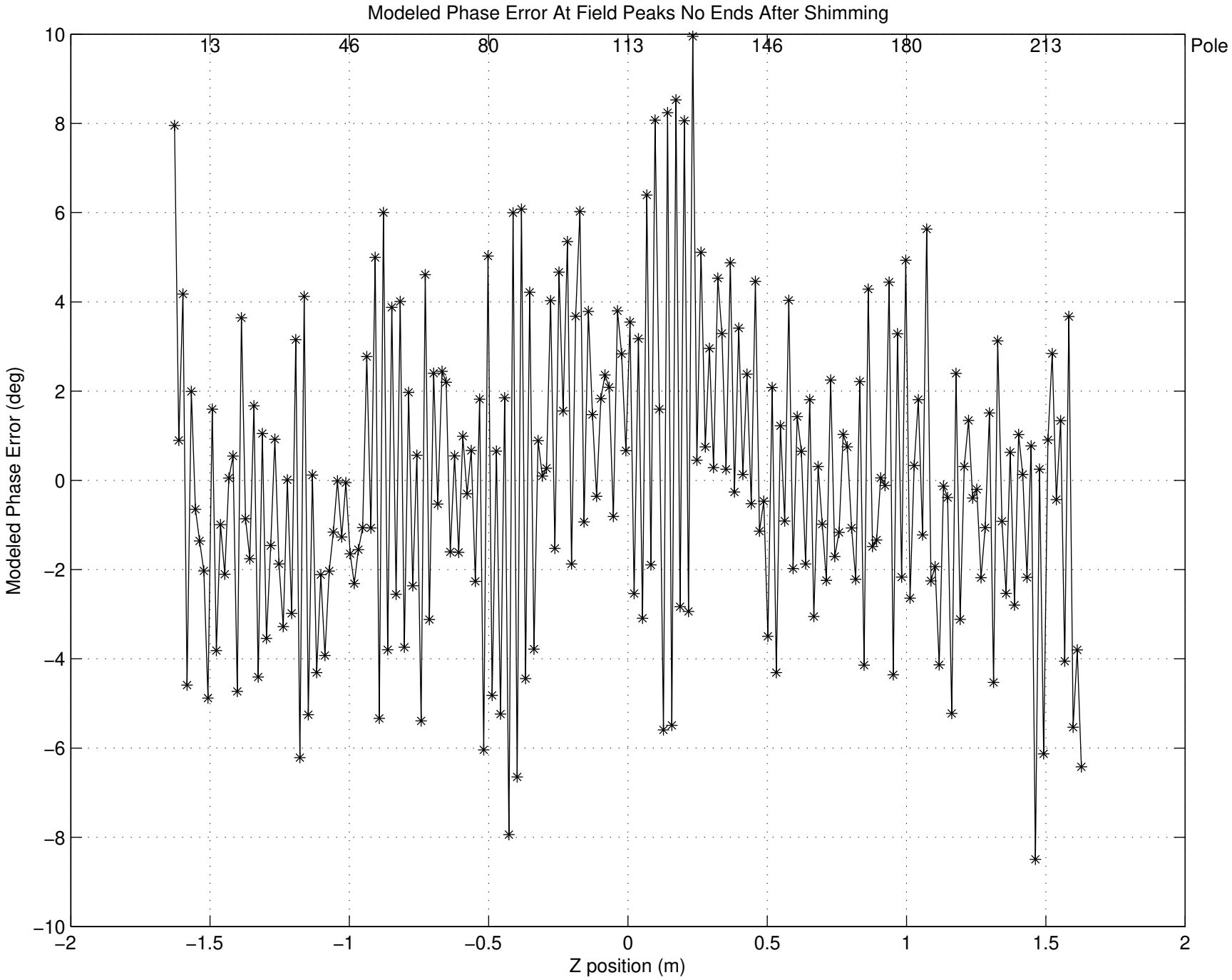
SLAC Magnetic Measurements
Date: 08−09−2013
Time: 15:25:03

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−35
DATASET Number: 5
Tuning Stage: Fine Tuning
Run Number: 4
Measurement Type: Z Scans
Operator: YL
Comment: find Y at min K; after granite re−alignment
Session first run: 4
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−35\DATASET0005\Fine Tuning\Z Scans\Run 004\bscanz.dat

Temperature (C)
L143−112000−35:−−> T1 20.00 −−> T2 20.00 −−> T5 19.95 −−> T3 19.99 −−> Air 20.02 −−> T4 19.98

Axes position (m) X:0.029457 Y:0.000222
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000826 V
Vy_0i = −0.003125 V



Phase Error: Ave = −0.000000 deg, RMS = 3.396365 deg