SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

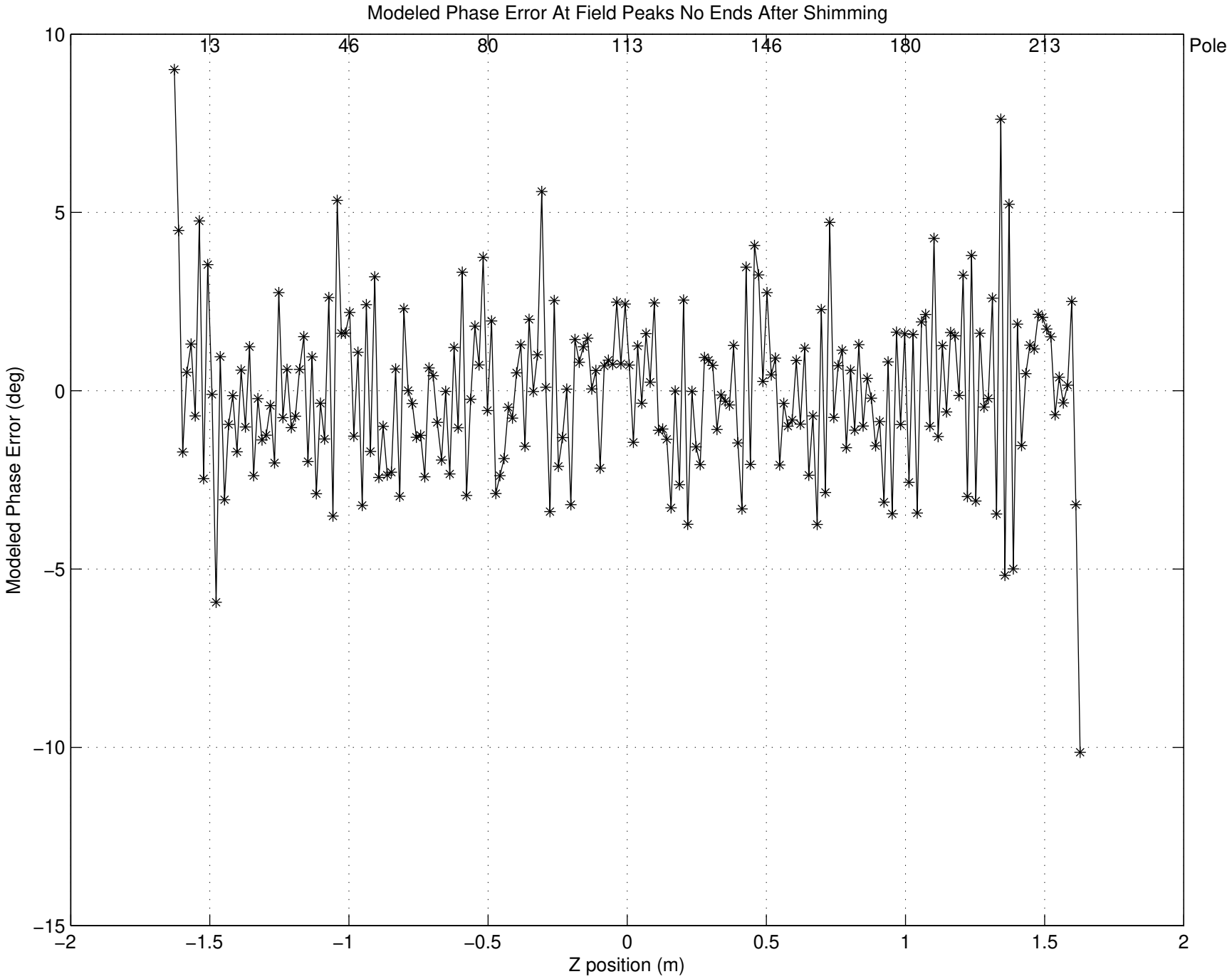
SLAC Magnetic Measurements
Date: 03−27−2012
Time: 12:49:38

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−02
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 4
Measurement Type: Z Scans
Operator: YL
Comment: at nominal K
Session first run: 2
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−02\DATASET0004\Fine Tuning\Z Scans\Run 004\bscanz.dat

Temperature (C)
L143−112000−02:−−> T1 19.97 −−> T2 19.96 −−> T5 19.90 −−> T3 19.96 −−> Air 19.96 −−> T4 19.93

Axes position (m) X:0.029890 Y:0.000227
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000951 V
Vy_0i = −0.003513 V



Phase Error: Ave = −0.000000 deg, RMS = 2.339105 deg