SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

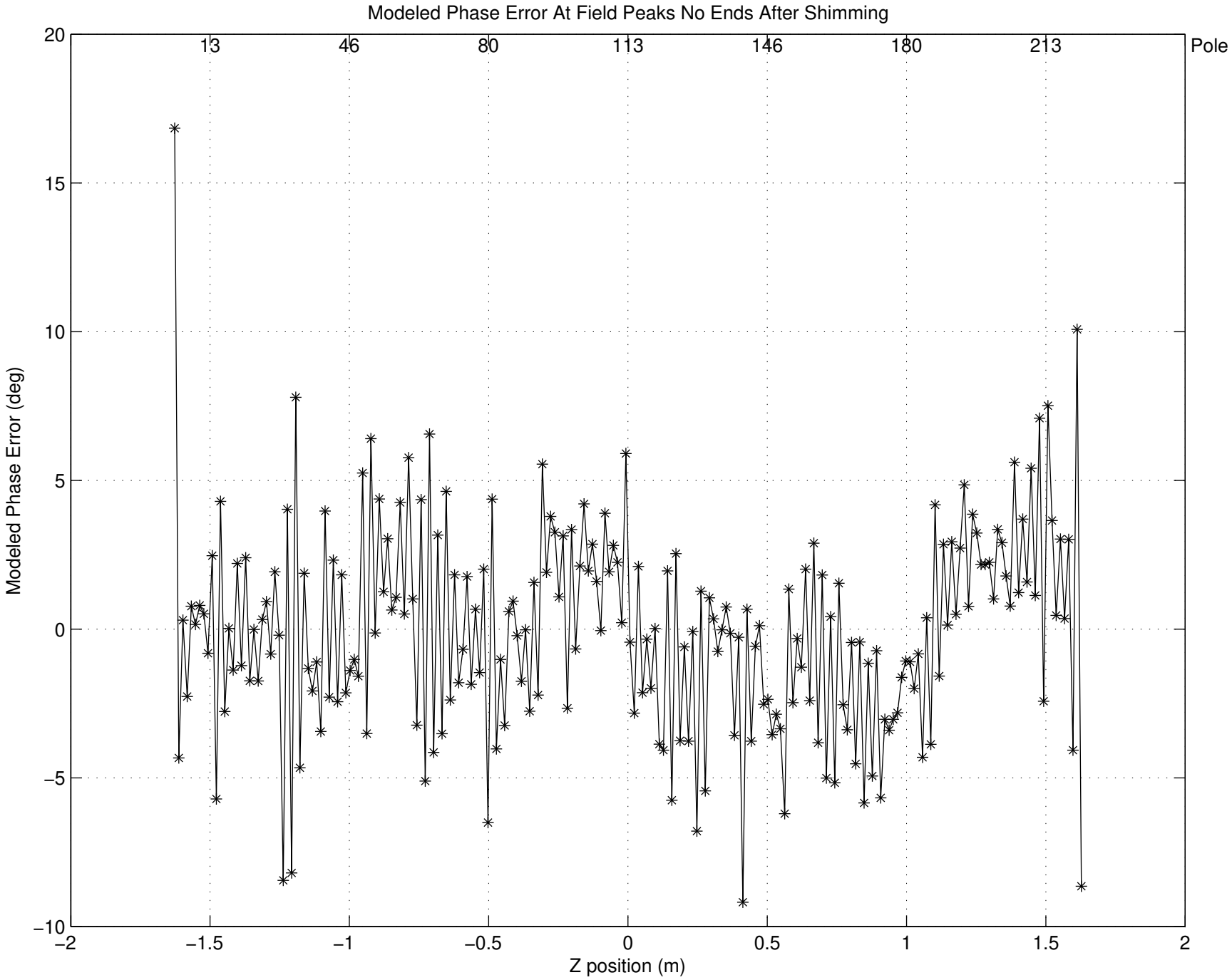
SLAC Magnetic Measurements
Date: 02−17−2012
Time: 14:16:20

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−18
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 21
Measurement Type: Z Scans
Operator: YL
Comment: at min K; before final scan
Session first run: 21
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−18\DATASET0004\Fine Tuning\Z Scans\Run 021\bscanz.dat

Temperature (C)
L143−112000−18:−−> T1 19.95 −−> T2 19.94 −−> T5 19.91 −−> T3 19.94 −−> Air 19.96 −−> T4 19.93

Axes position (m) X:0.029824 Y:0.000205
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001073 V
Vy_0i = −0.003615 V



Phase Error: Ave = −0.000000 deg, RMS = 3.473961 deg