SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

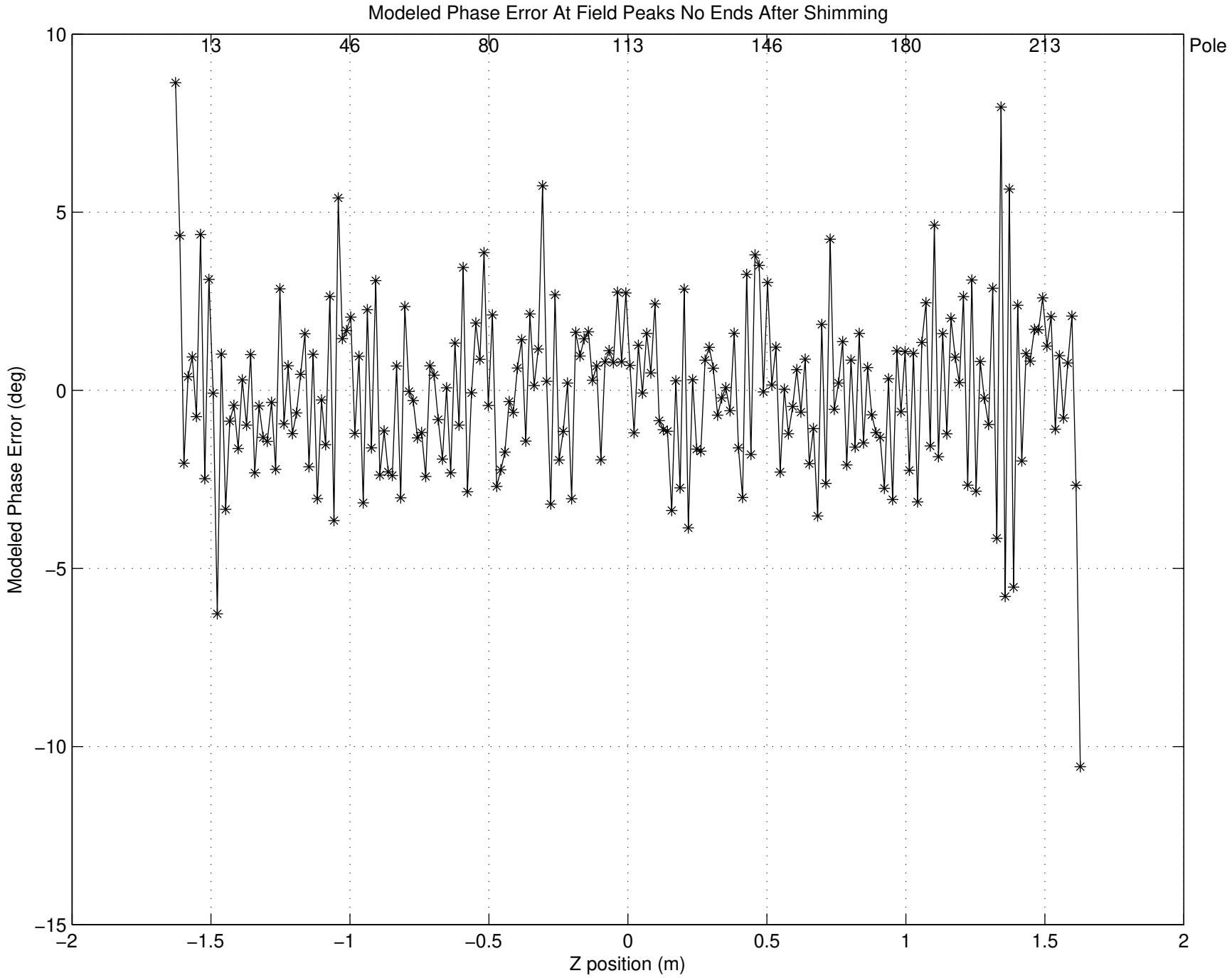
SLAC Magnetic Measurements
Date: 05−30−2014
Time: 10:00:27

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−02
DATASET Number: 5
Tuning Stage: Fine Tuning
Run Number: 10
Measurement Type: Z Scans
Operator: YL
Comment: at min K; check
Session first run: 8
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−02\DATASET0005\Fine Tuning\Z Scans\Run 010\bscanz.dat

Temperature (C)
L143−112000−02:−−> T1 20.02 −−> T2 20.01 −−> T5 19.93 −−> T3 20.01 −−> Air 19.89 −−> T4 19.97

Axes position (m) X:0.029958 Y:0.000066
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001139 V
Vy_0i = −0.003266 V



Phase Error: Ave = −0.000000 deg, RMS = 2.357177 deg