SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

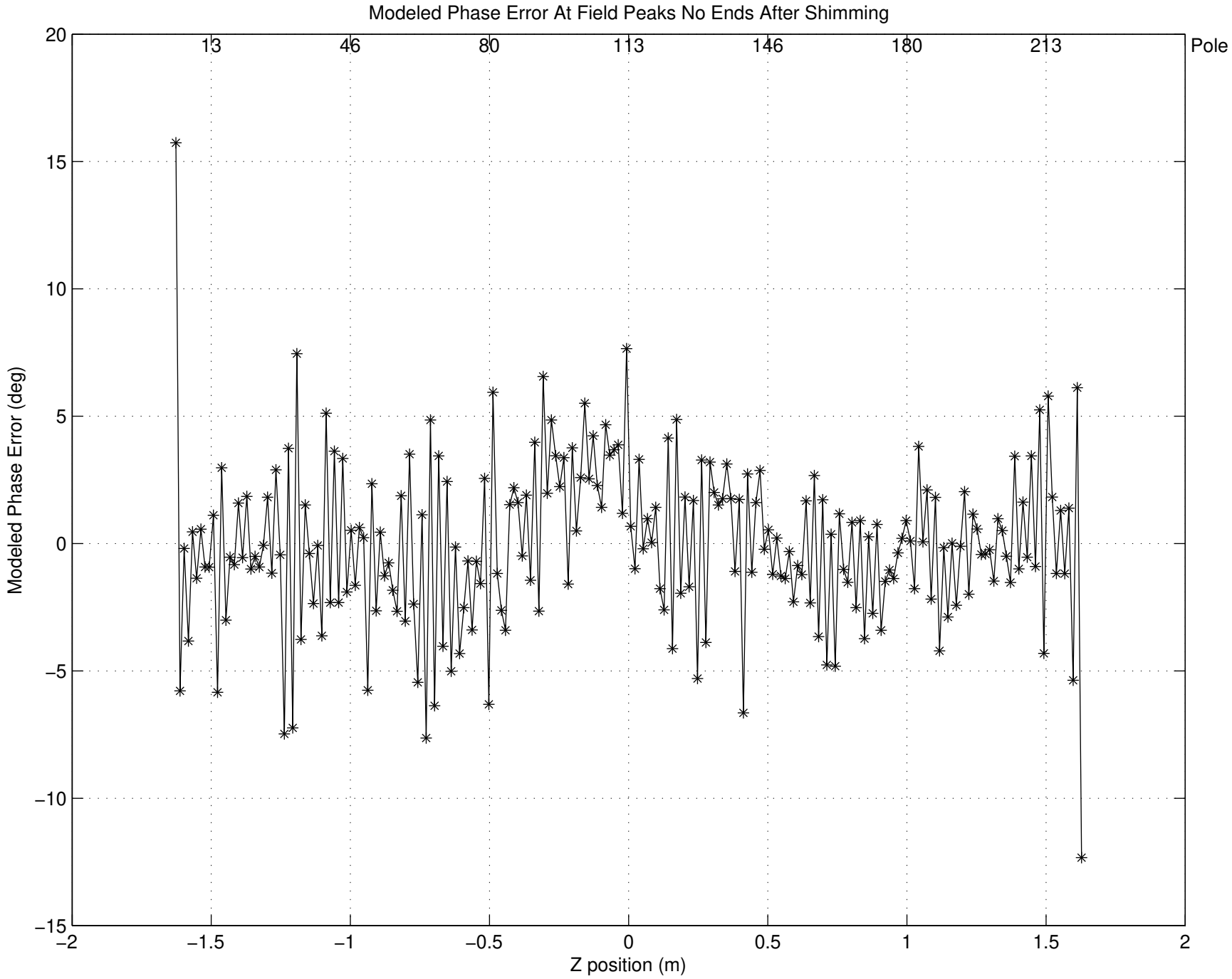
SLAC Magnetic Measurements
Date: 02−14−2012
Time: 16:13:14

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−18
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 14
Measurement Type: Z Scans
Operator: YL
Comment: at min K; after gap adjustment
Session first run: 14
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−18\DATASET0004\Fine Tuning\Z Scans\Run 014\bscanz.dat

Temperature (C)
L143−112000−18:−−> T1 20.05 −−> T2 20.03 −−> T5 20.00 −−> T3 20.03 −−> Air 20.05 −−> T4 20.01

Axes position (m) X:0.029818 Y:0.000221
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001028 V
Vy_0i = −0.003508 V



Phase Error: Ave = −0.000000 deg, RMS = 3.222475 deg