SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

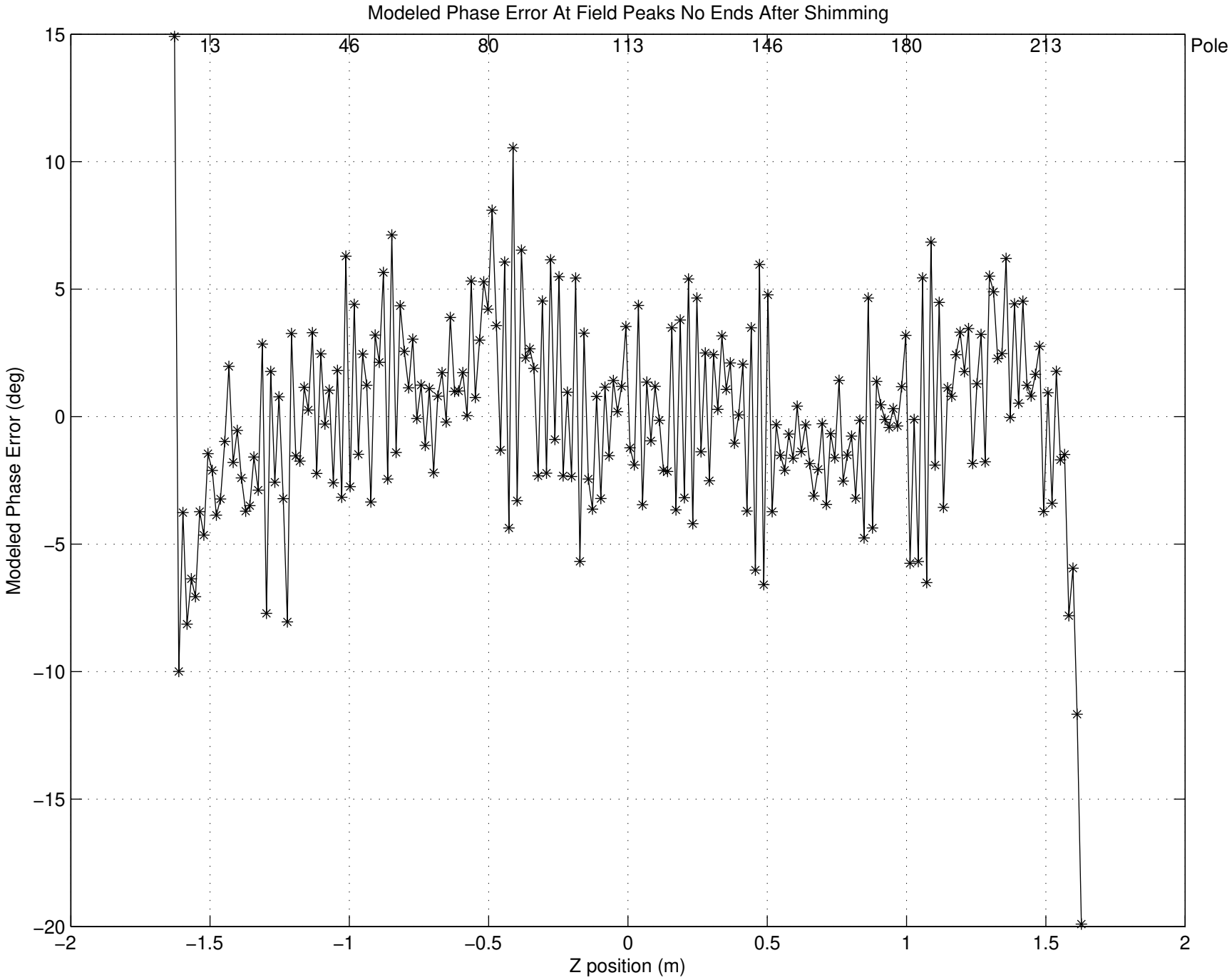
SLAC Magnetic Measurements
Date: 06−04−2014
Time: 12:11:34

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−06
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 14
Measurement Type: Z Scans
Operator: YL
Comment: at min K; second gap tuning
Session first run: 9
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−06\DATASET0004\Fine Tuning\Z Scans\Run 014\bscanz.dat

Temperature (C)
L143−112000−06:−−> T1 20.00 −−> T2 19.98 −−> T5 19.91 −−> T3 19.99 −−> Air 19.93 −−> T4 19.96

Axes position (m) X:0.029723 Y:0.000108
Initial Hall Probe Zero Measurements:
Vx_0i = 0.001167 V
Vy_0i = −0.003040 V



Phase Error: Ave = −0.000000 deg, RMS = 3.925256 deg