SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

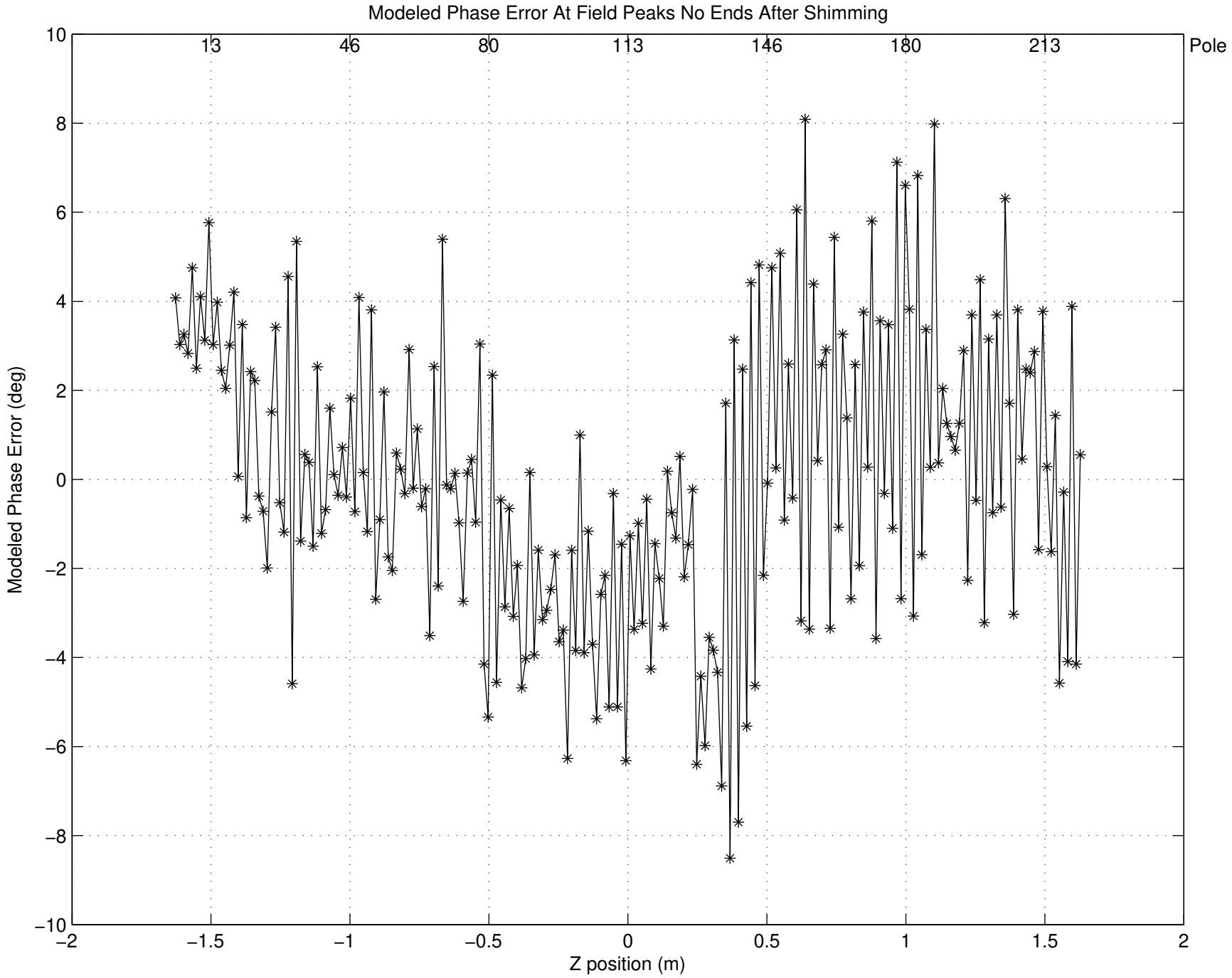
SLAC Magnetic Measurements
Date: 04−11−2013
Time: 10:00:04

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−12
DATASET Number: 4
Tuning Stage: Fine Tuning
Run Number: 7
Measurement Type: Z Scans
Operator: YL
Comment: at min K; before final scan
Session first run: 6
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−12\DATASET0004\Fine Tuning\Z Scans\Run 007\bscanz.dat

Temperature (C)
L143−112000−12:−−> T1 19.95 −−> T2 19.95 −−> T5 19.90 −−> T3 19.94 −−> Air 19.92 −−> T4 19.93

Axes position (m) X:0.029669 Y:0.000221
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000690 V
Vy_0i = −0.003570 V



Phase Error: Ave = 0.000000 deg, RMS = 3.249982 deg