SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

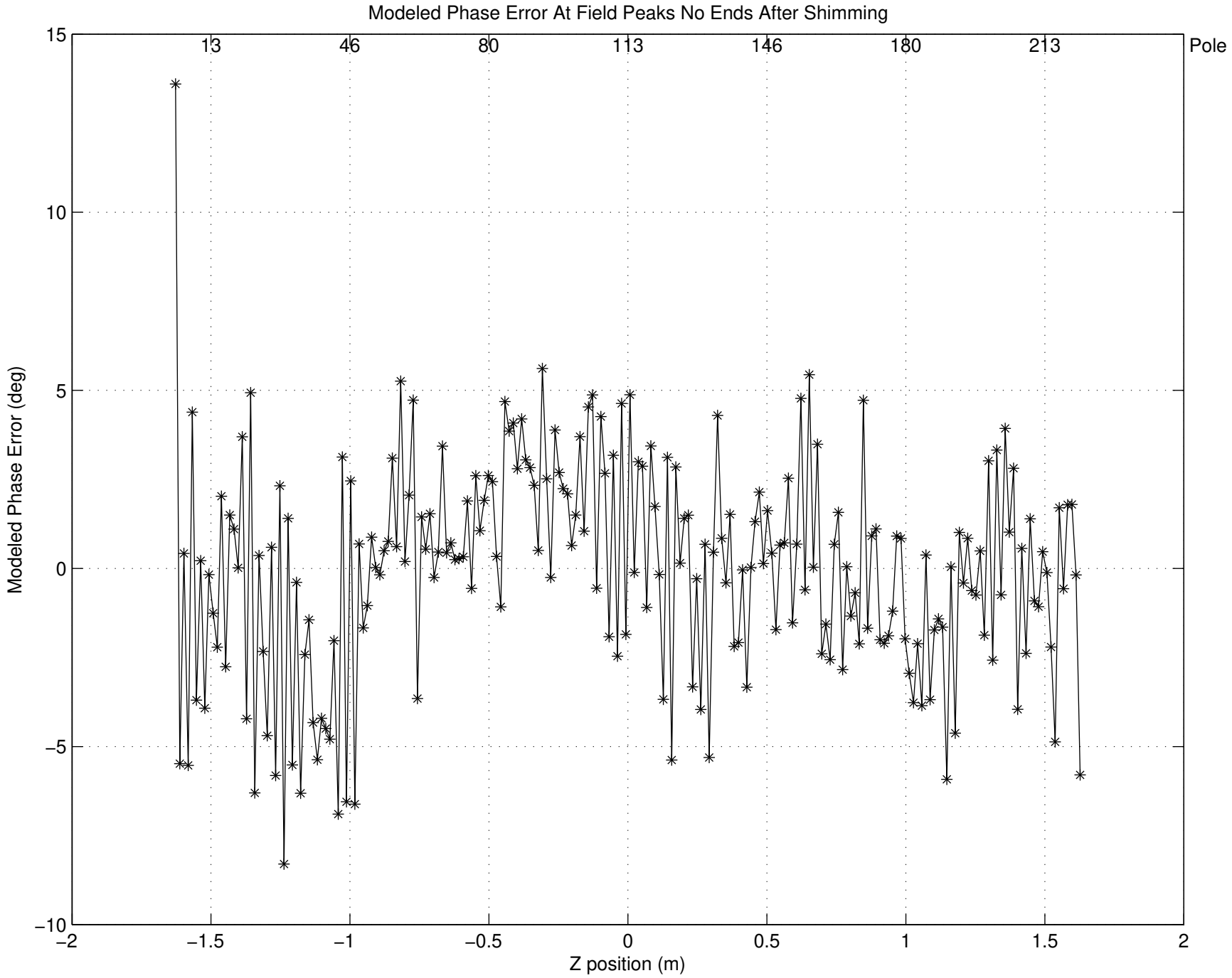
SLAC Magnetic Measurements
Date: 08−29−2012
Time: 15:45:27

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−15
DATASET Number: 6
Tuning Stage: Fine Tuning
Run Number: 36
Measurement Type: Z Scans
Operator: YL
Comment: check trajectories shims glued
Session first run: 34
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−15\DATASET0006\Fine Tuning\Z Scans\Run 036\bscanz.dat

Temperature (C)
L143−112000−15:−−> T1 20.10 −−> T2 20.09 −−> T5 20.04 −−> T3 20.09 −−> Air 20.06 −−> T4 20.07

Axes position (m) X:0.030235 Y:0.000296
Initial Hall Probe Zero Measurements:
$Vx_0i$ = 0.000932 V
$Vy_0i$ = −0.003109 V




Phase Error: Ave = −0.000000 deg, RMS = 3.024703 deg