SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

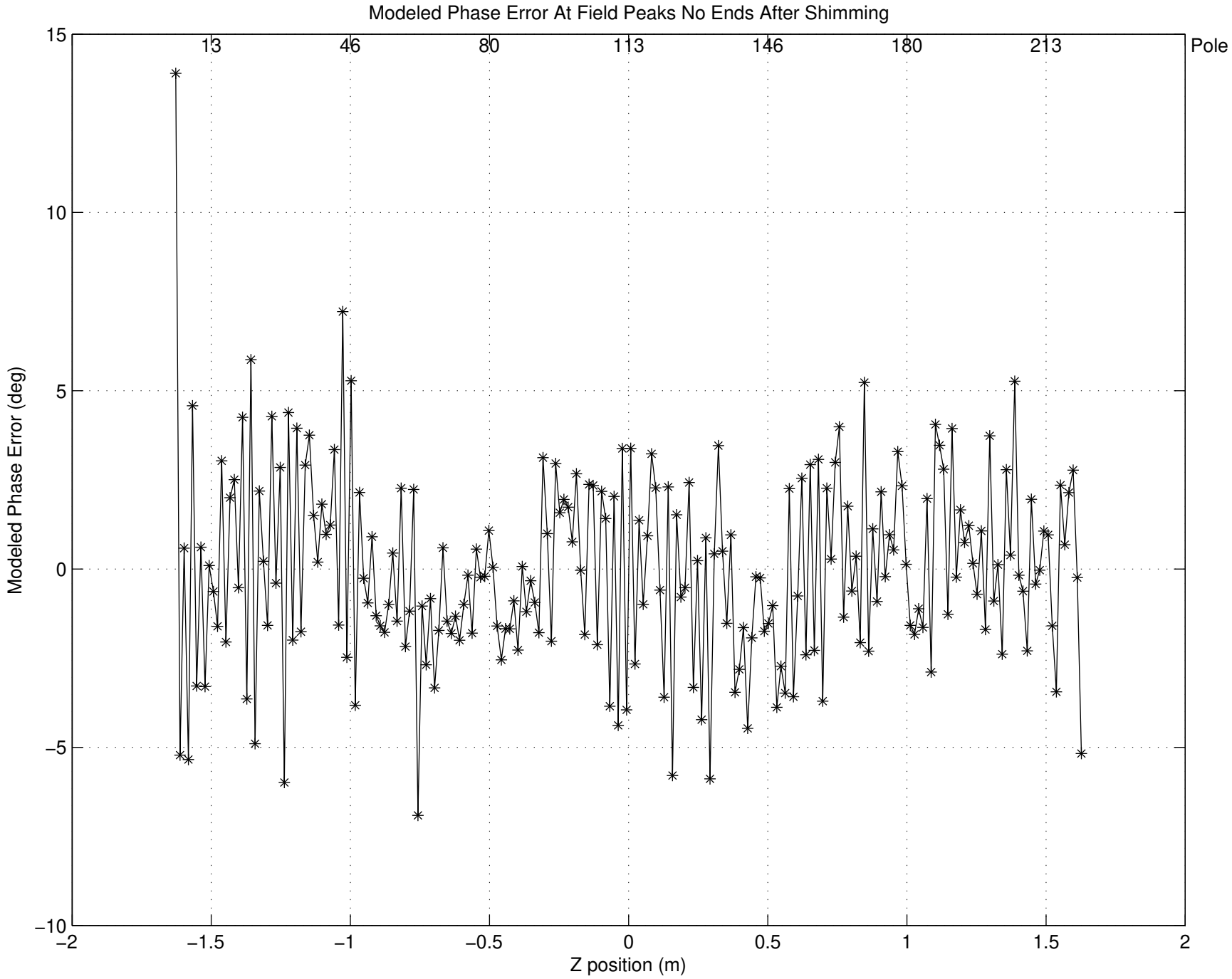
SLAC Magnetic Measurements
Date: 08−27−2012
Time: 13:48:22

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−15
DATASET Number: 6
Tuning Stage: Fine Tuning
Run Number: 30
Measurement Type: Z Scans
Operator: YL
Comment: tuning
Session first run: 29
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−15\DATASET0006\Fine Tuning\Z Scans\Run 030\bscanz.dat

Temperature (C)
L143−112000−15:−−> T1 20.07 −−> T2 20.05 −−> T5 20.03 −−> T3 20.06 −−> Air 20.02 −−> T4 20.04

Axes position (m) X:0.030215 Y:0.000306
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000887 V
Vy_0i = −0.003160 V



Phase Error: Ave = −0.000000 deg, RMS = 2.705422 deg