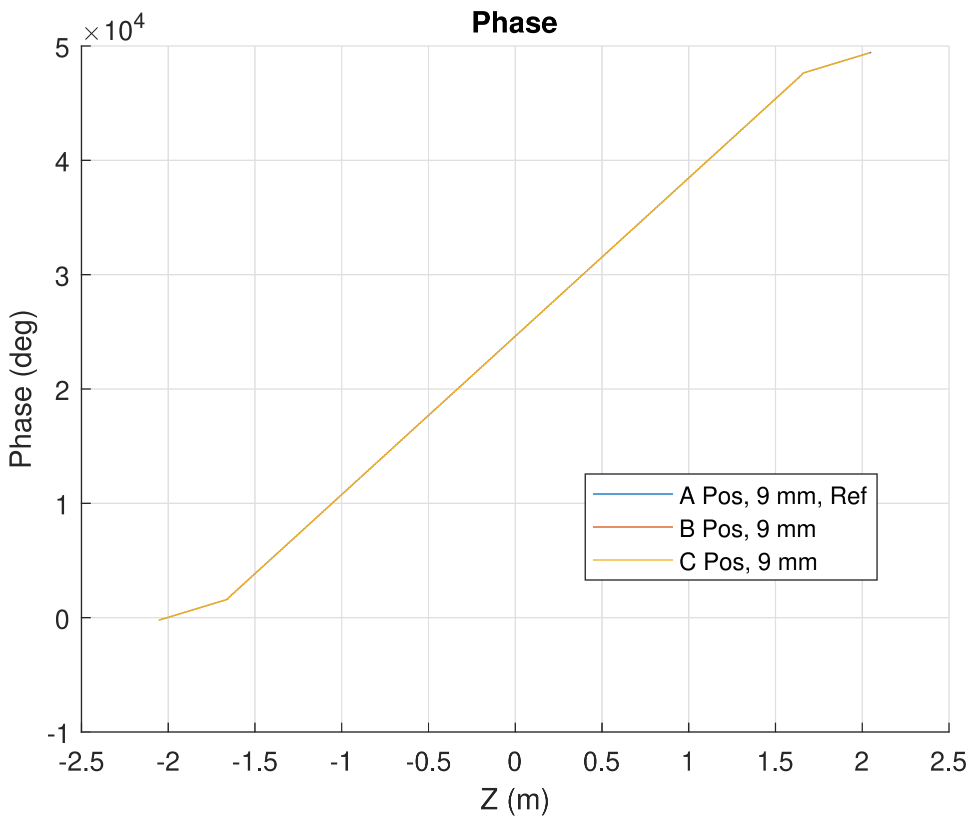
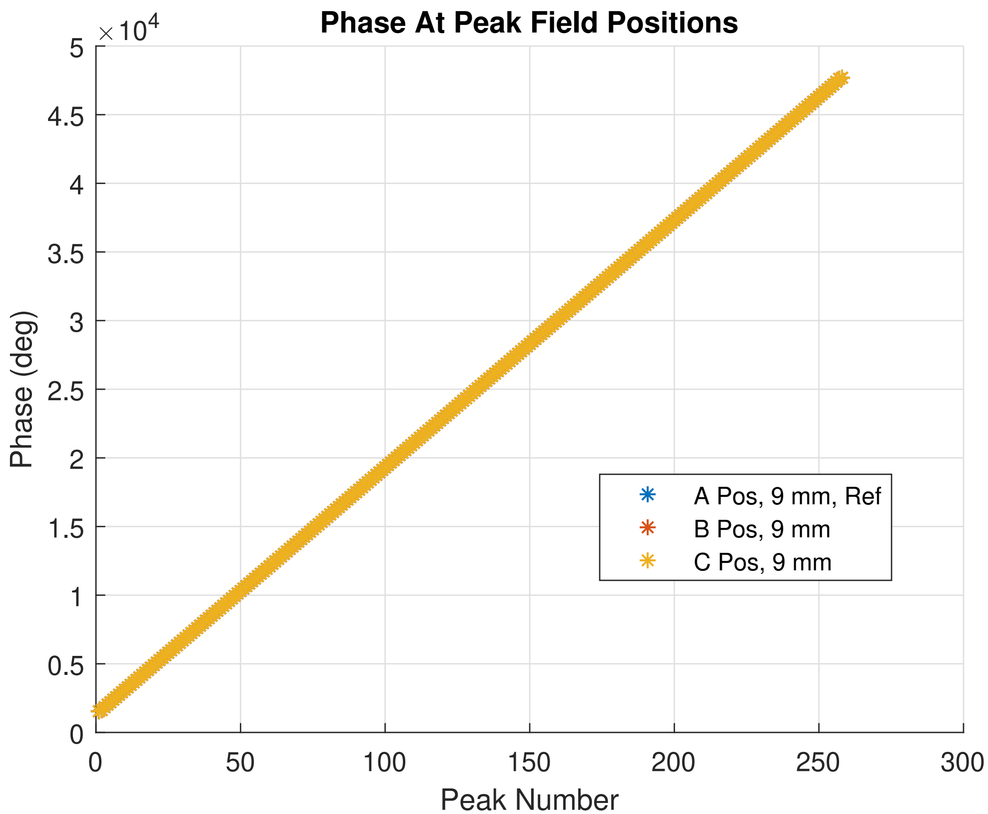
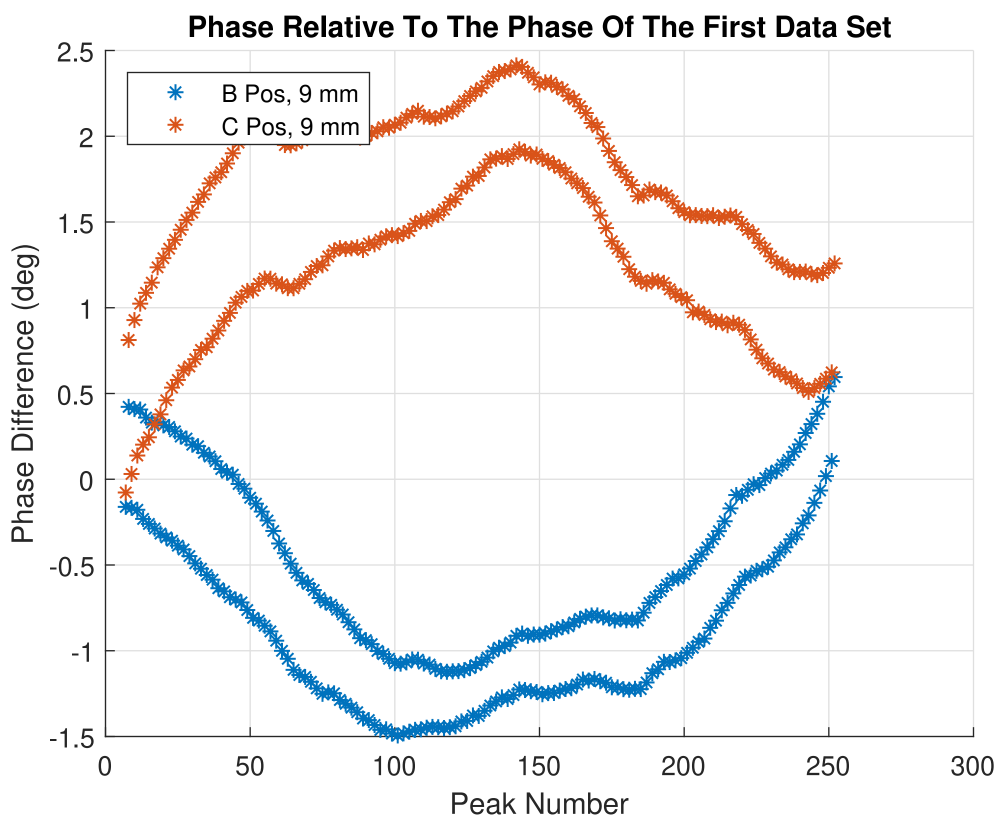
SLAC Magnetic Measurements
Undulator Analysis Comparison

Title:
HXU-002 ABC Mounting Test

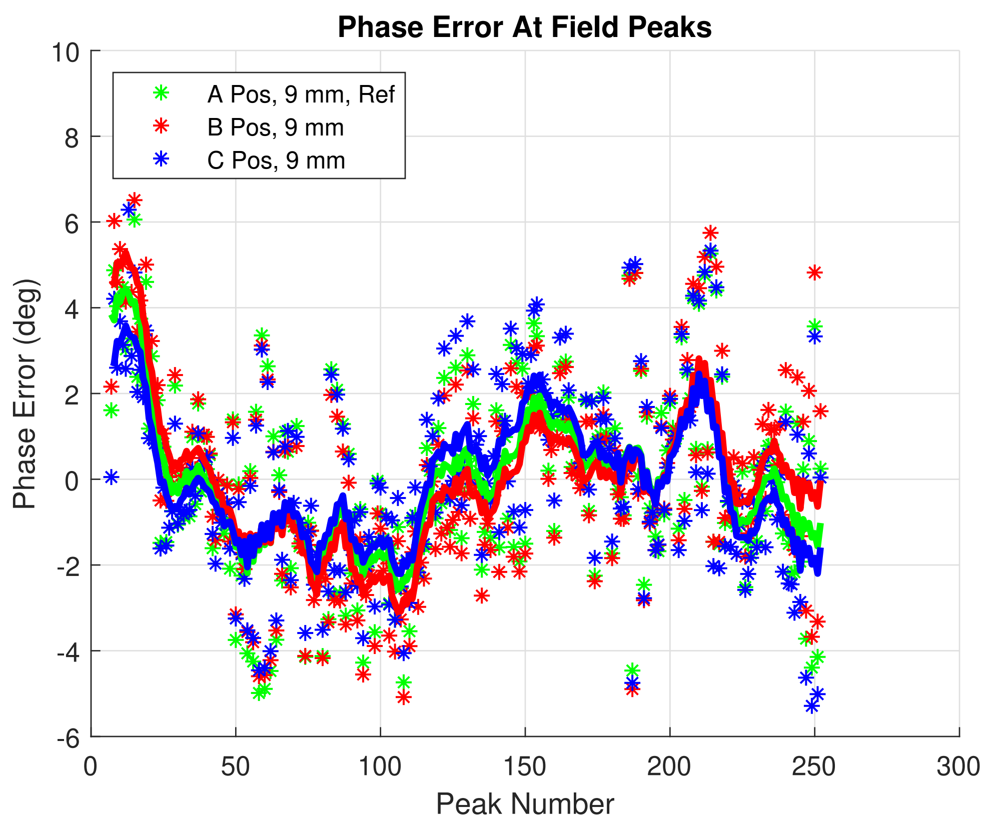
Input Files:
1) A Pos, 9 mm, Ref
2) B Pos, 9 mm
3) C Pos, 9 mm


Phase
×10^4
Phase (deg)
Z (m)
5
4
3
2
1
0
-1
-2.5
-2
-1.5
-1
-0.5
0
0.5
1
1.5
2
2.5
A Pos, 9 mm, Ref
B Pos, 9 mm
C Pos, 9 mm


Phase At Peak Field Positions
$\times 10^4$
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Phase (deg)
0
50
100
150
200
250
300
Peak Number
A Pos, 9 mm, Ref
B Pos, 9 mm
C Pos, 9 mm



Phase Relative To The Phase Of The First Data Set
B Pos, 9 mm
C Pos, 9 mm
Phase Difference (deg)
Peak Number
2.5
2
1.5
1
0.5
0
-0.5
-1
-1.5
0
50
100
150
200
250
300



Phase Error At Field Peaks
A Pos, 9 mm, Ref
B Pos, 9 mm
C Pos, 9 mm
Phase Error (deg)
Peak Number
10
8
6
4
2
0
-2
-4
-6
0
50
100
150
200
250
300

Phase Error Relative To The First Data Set
A Pos, 9 mm, Ref
B Pos, 9 mm
C Pos, 9 mm
Phase Error Difference (deg)
Peak Number
1.5
1
0.5
0
-0.5
-1
-1.5
-2
0
50
100
150
200
250
300