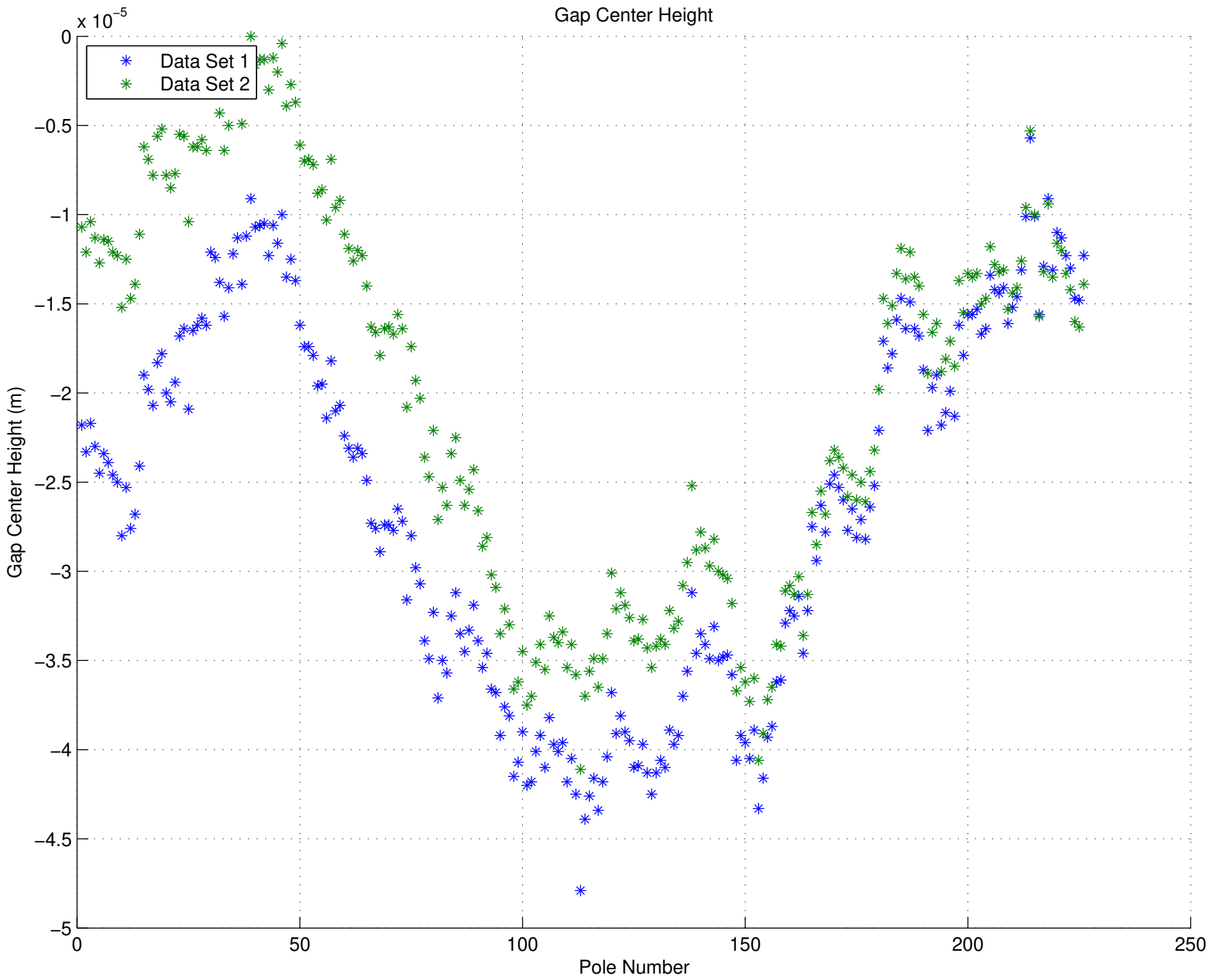
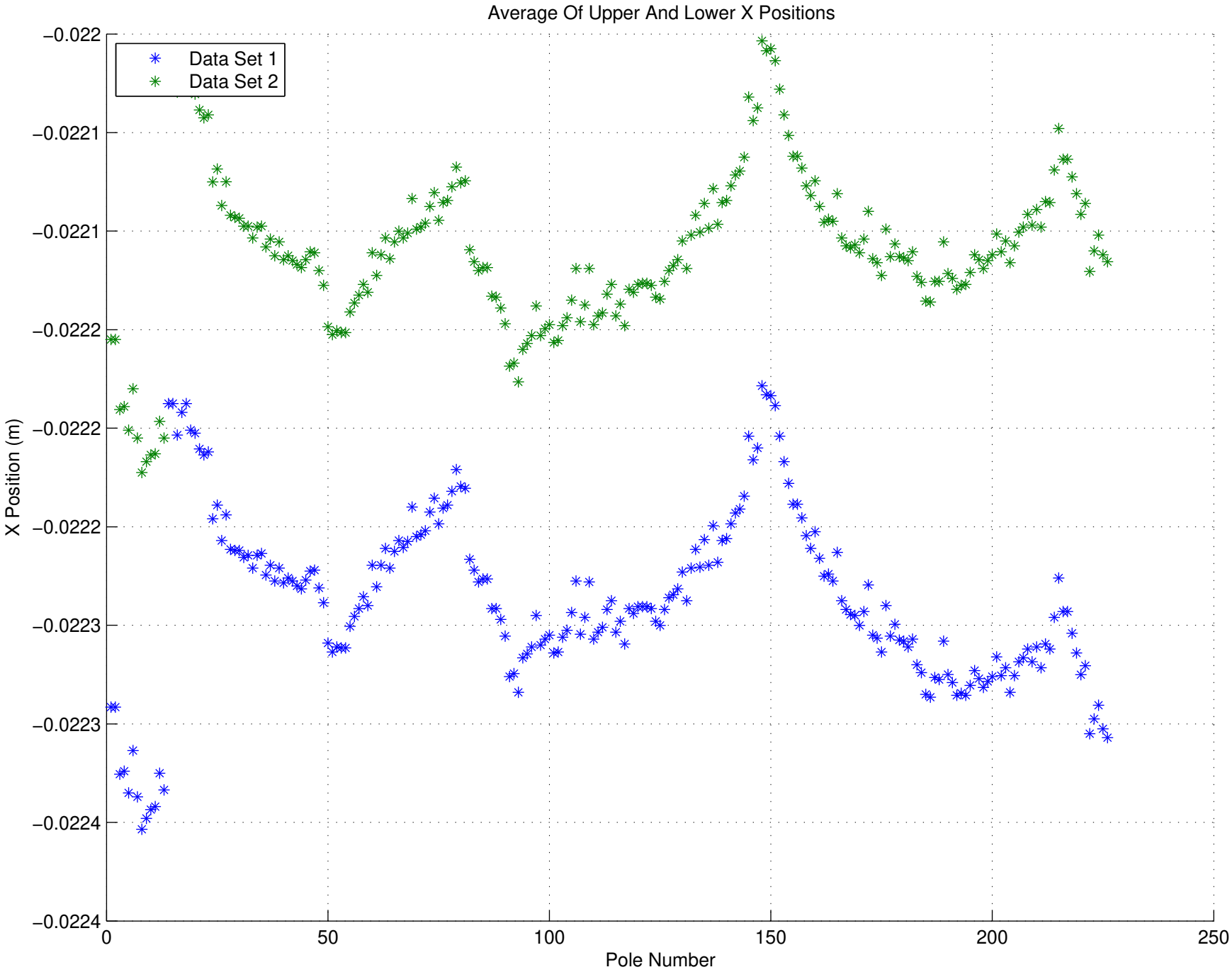
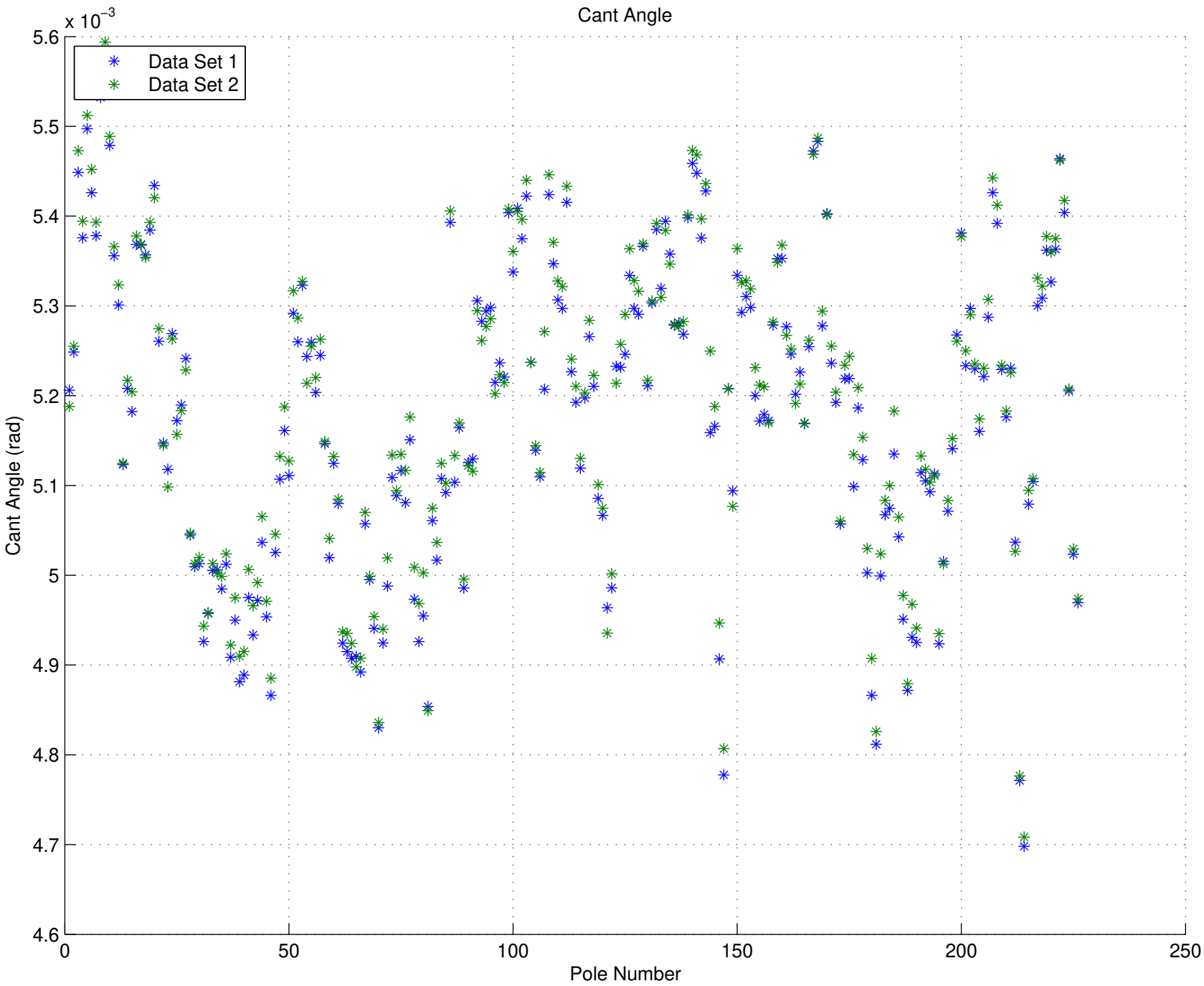
SLAC Magnetic Measurements
CMM Analysis Comparison

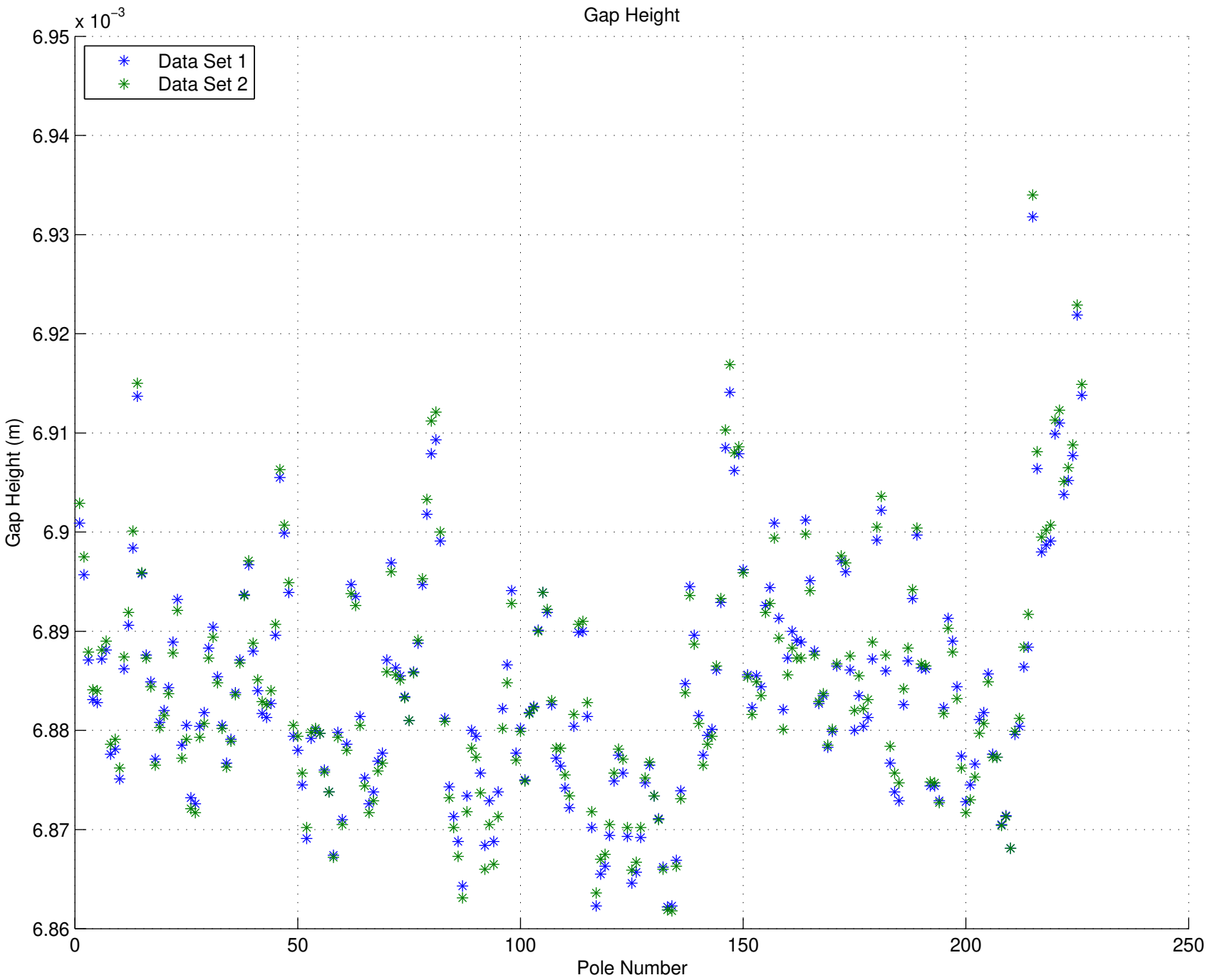
Title:
SN20, Before And After Storage

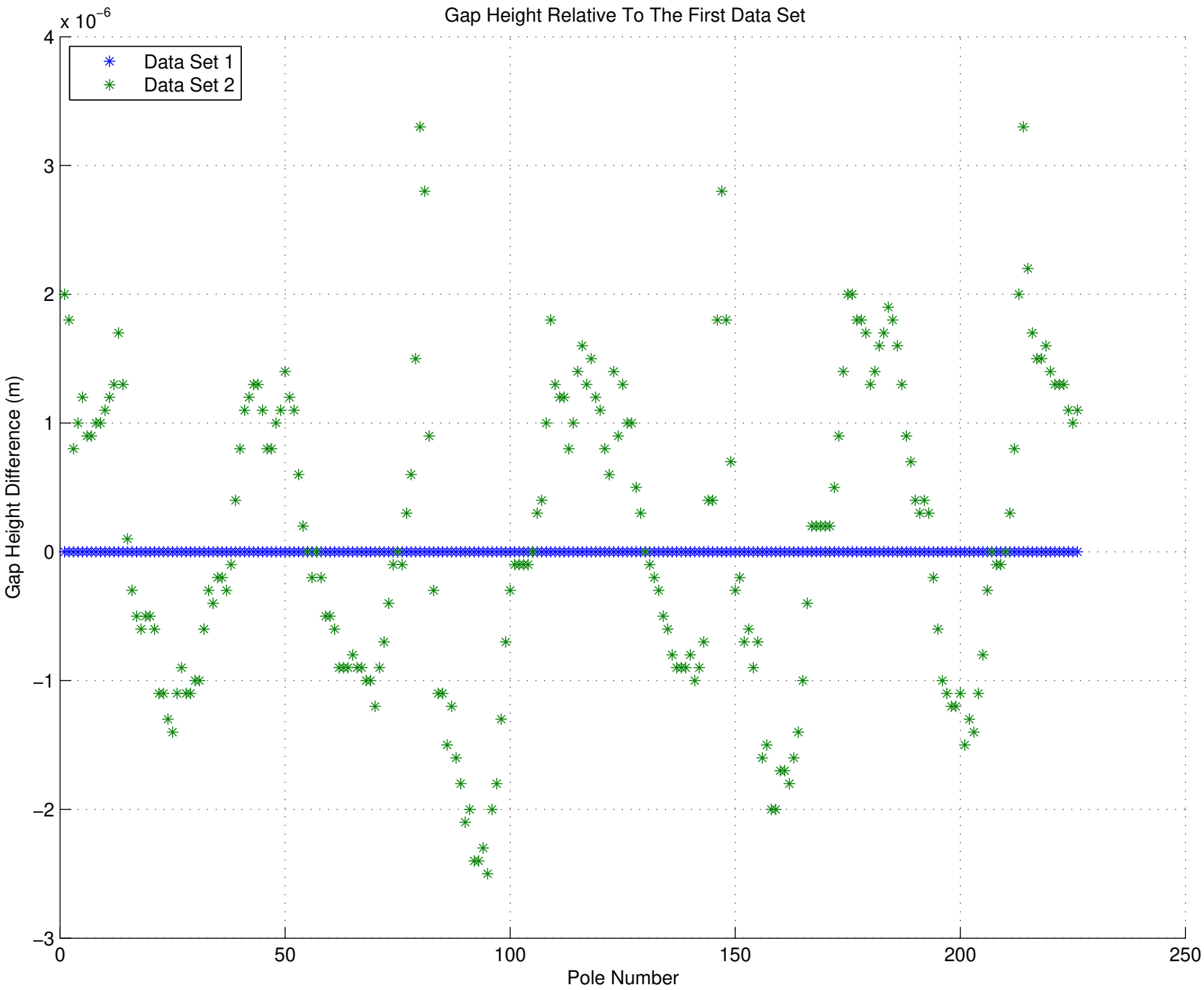
Input Files:
1) V:\MET\MagServe\MagData\LCLS\Undulator\L143−112000−20\DATASET0001\Mechanical Measurements\DATA FILES\cmm
2) V:\MET\MagServe\MagData\LCLS\Undulator\L143−112000−20\DATASET0002\Mechanical Measurements\DATA FILES\cmm


Gap Center Height
x 10^-5
Data Set 1
Data Set 2
Gap Center Height (m)
Pole Number
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
−4.5
−5
0
50
100
150
200
250


Average Of Upper And Lower X Positions
Data Set 1
Data Set 2
X Position (m)
Pole Number
−0.022
−0.0221
−0.0221
−0.0222
−0.0222
−0.0222
−0.0223
−0.0223
−0.0224
−0.0224
0
50
100
150
200
250


Cant Angle
x 10^-3
Data Set 1
Data Set 2
Cant Angle (rad)
Pole Number
5.6
5.5
5.4
5.3
5.2
5.1
5
4.9
4.8
4.7
4.6
0
50
100
150
200
250


Gap Height
x 10^-3
Data Set 1
Data Set 2
Gap Height (m)
Pole Number
6.95
6.94
6.93
6.92
6.91
6.9
6.89
6.88
6.87
6.86
0
50
100
150
200
250


Gap Height Relative To The First Data Set
x 10^-6
Data Set 1
Data Set 2
Gap Height Difference (m)
Pole Number
4
3
2
1
0
−1
−2
−3
0
50
100
150
200
250