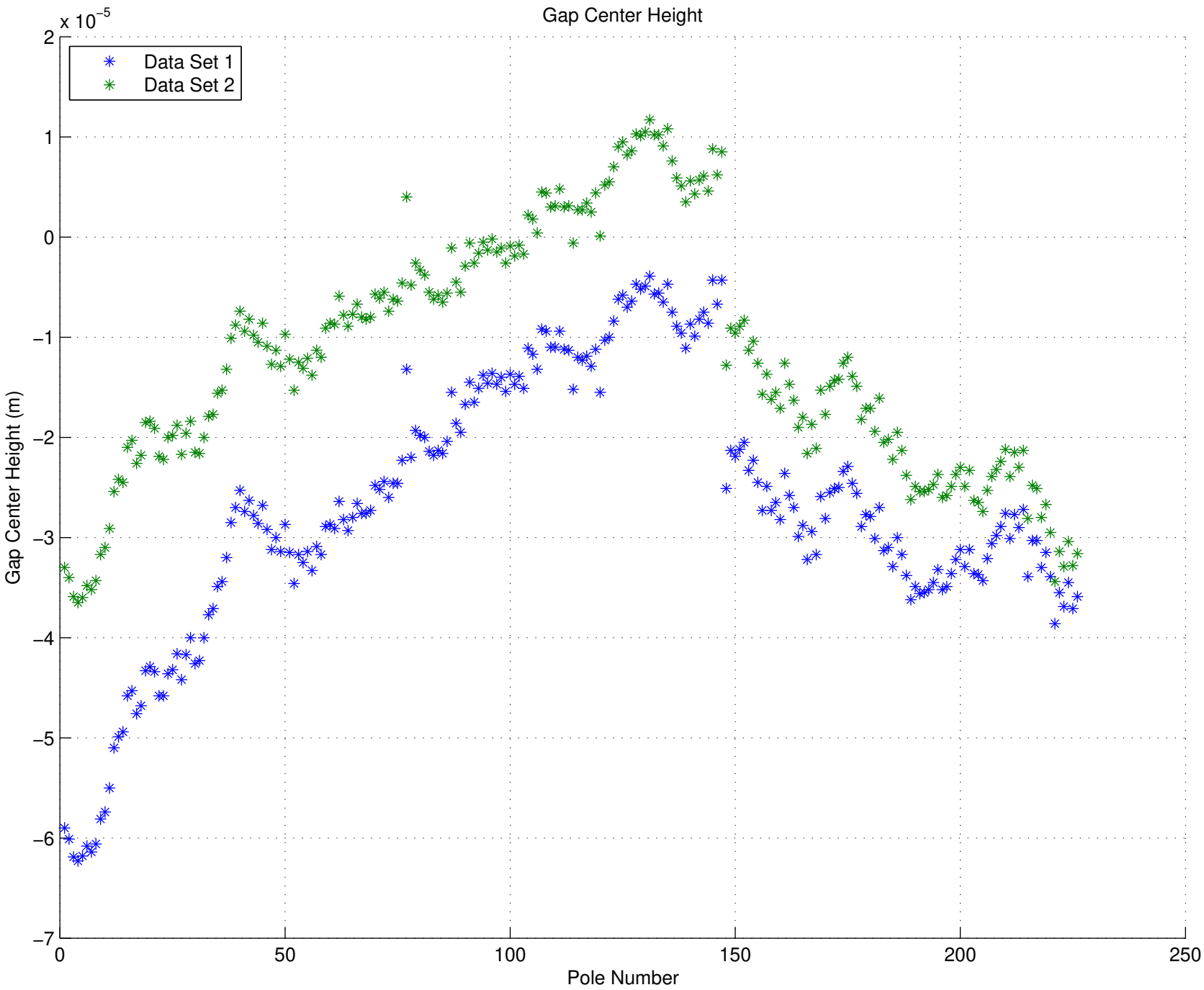
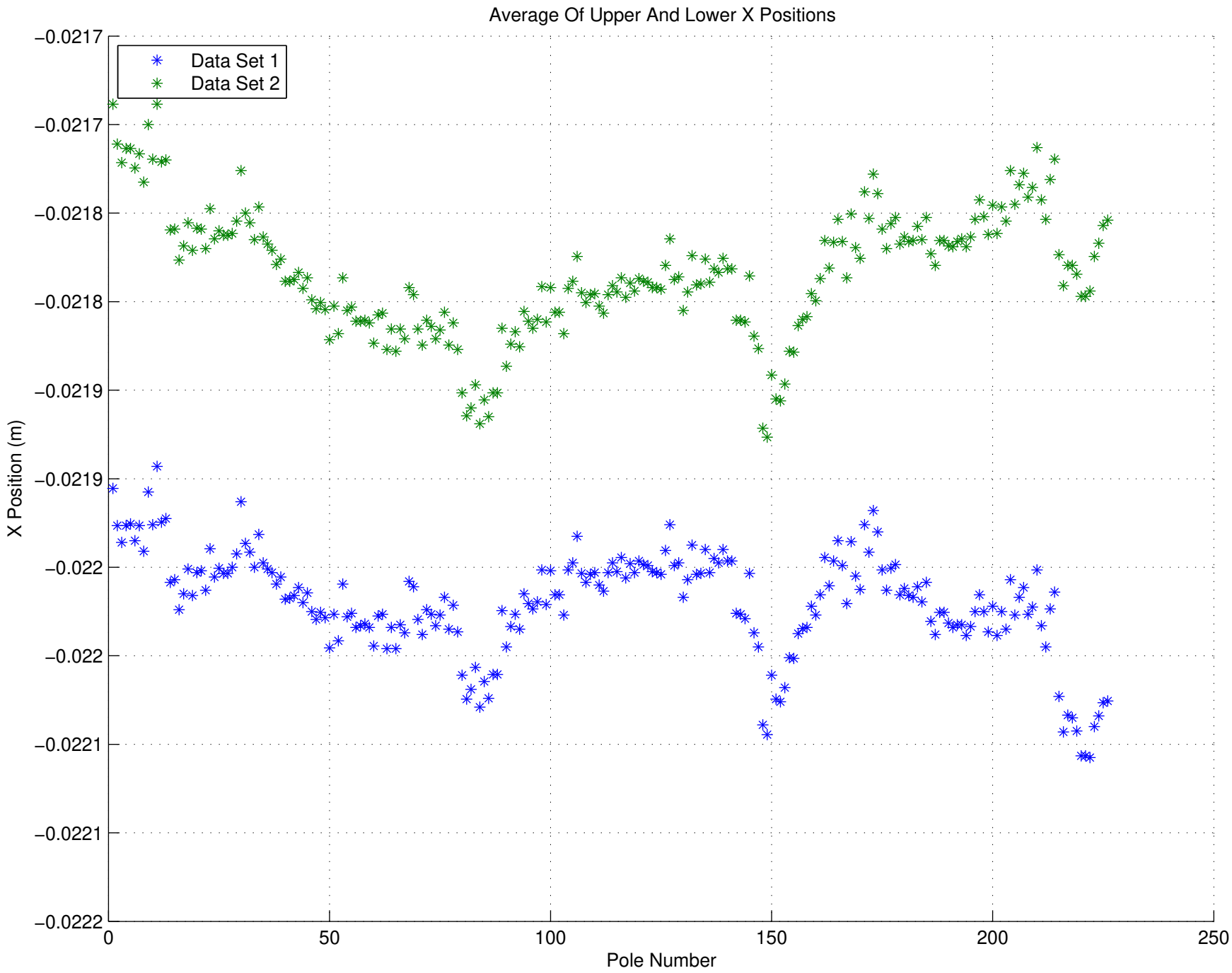
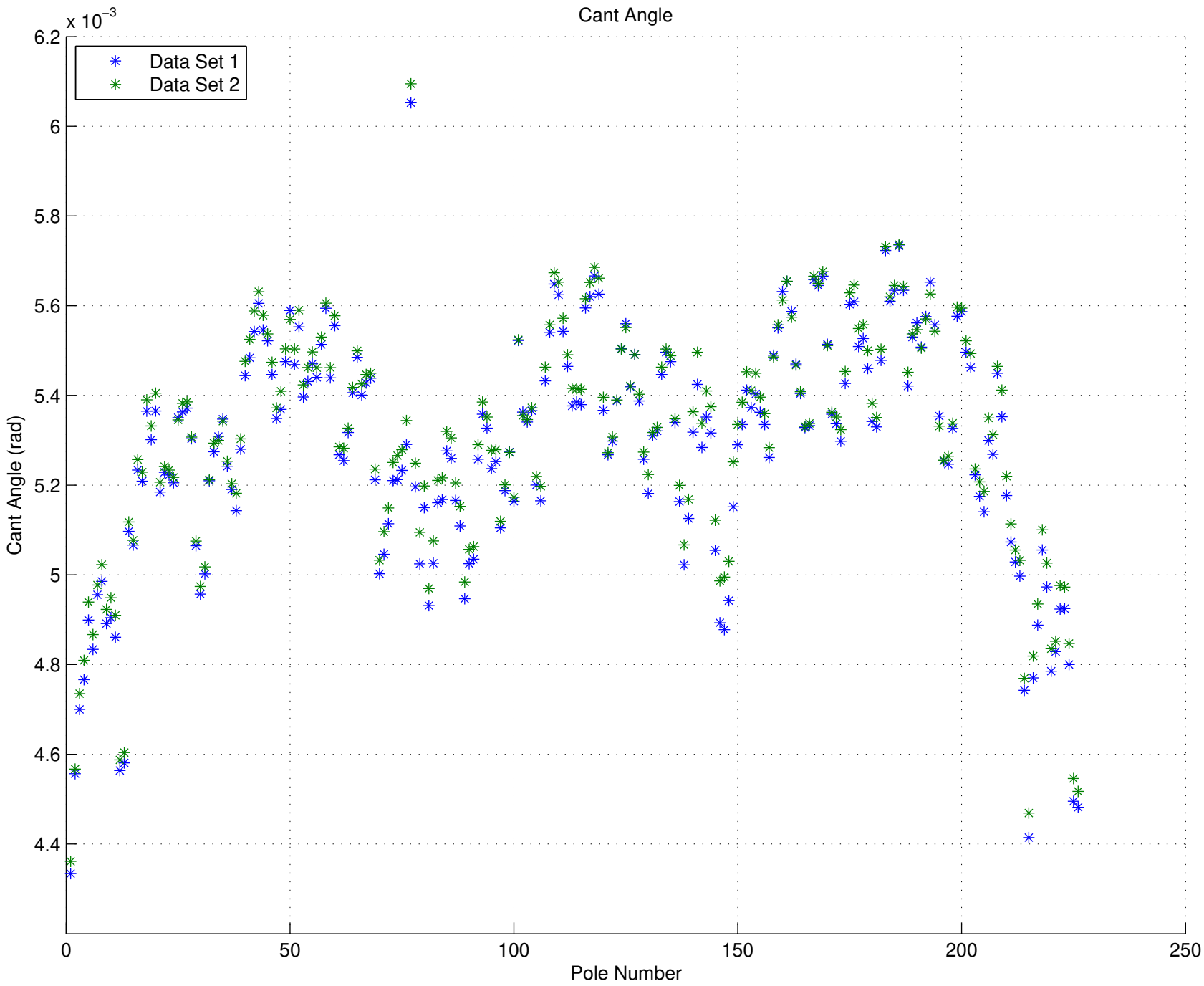
SLAC Magnetic Measurements
CMM Analysis Comparison

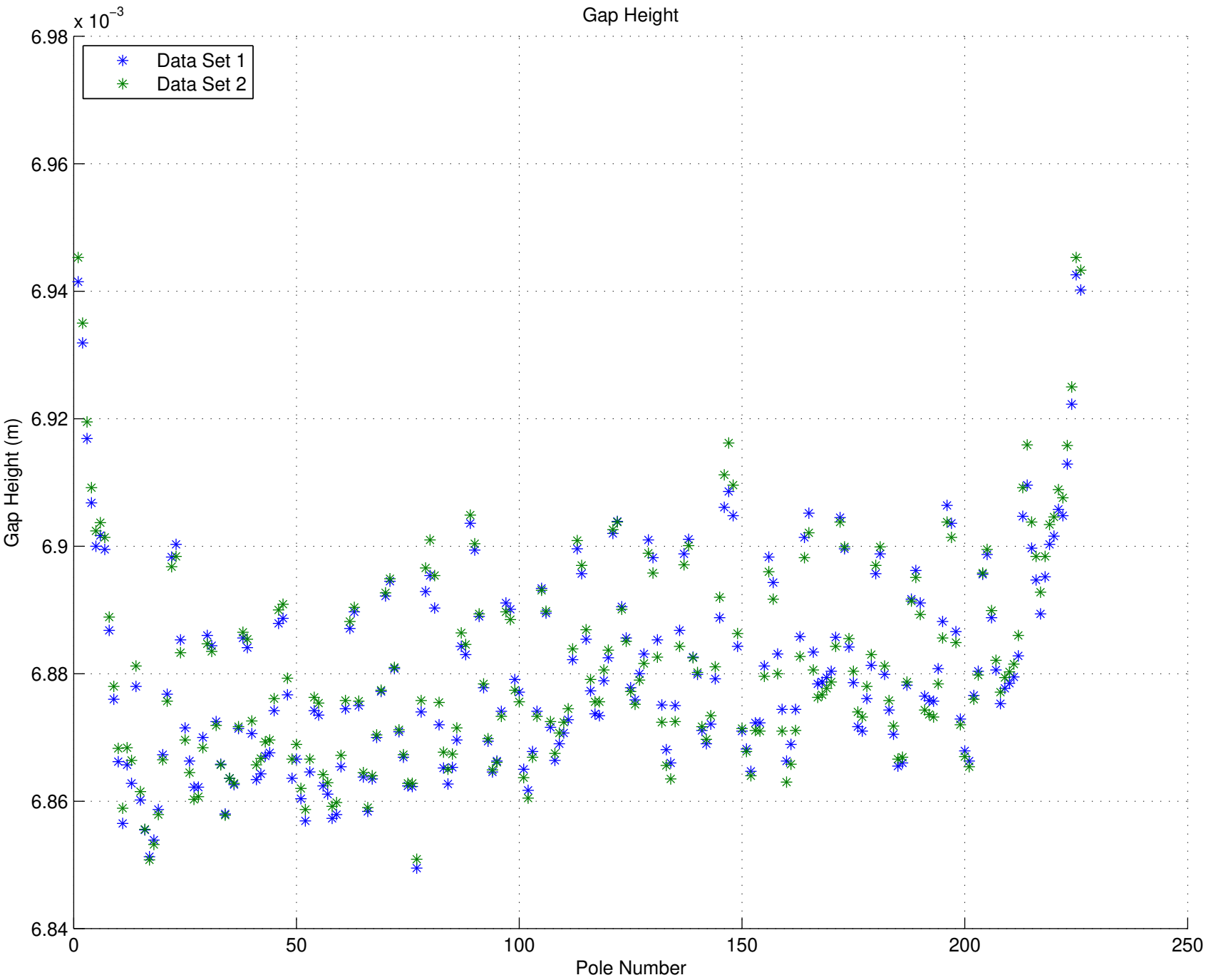
Title:
SN37, Before And After Storage

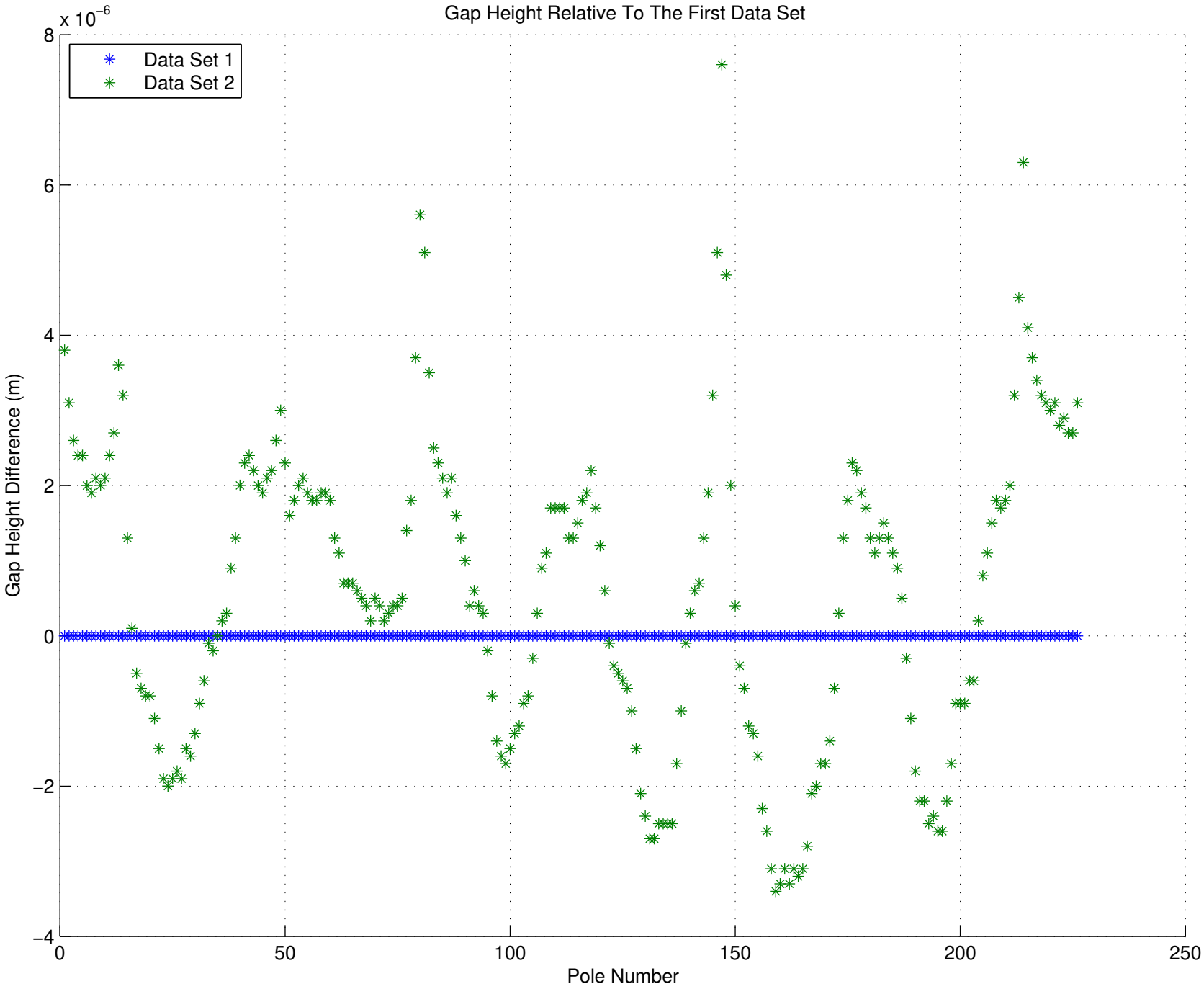
Input Files:
1) V:\MET\MagServe\MagData\LCLS\Undulator\L143−112000−37\DATASET0001\Mechanical Measurements\DATA FILES\cmm
2) V:\MET\MagServe\MagData\LCLS\Undulator\L143−112000−37\DATASET0002\Mechanical Measurements\DATA FILES\cmm


Gap Center Height
x 10^-5
Data Set 1
Data Set 2
Gap Center Height (m)
Pole Number
2
1
0
−1
−2
−3
−4
−5
−6
−7
0
50
100
150
200
250


Average Of Upper And Lower X Positions
Data Set 1
Data Set 2
X Position (m)
Pole Number
−0.0217
−0.0217
−0.0218
−0.0218
−0.0219
−0.0219
−0.022
−0.022
−0.0221
−0.0221
−0.0222
0
50
100
150
200
250


Cant Angle
x 10^-3
Data Set 1
Data Set 2
Cant Angle (rad)
Pole Number
6.2
6
5.8
5.6
5.4
5.2
5
4.8
4.6
4.4
0
50
100
150
200
250


Gap Height
x 10^-3
Data Set 1
Data Set 2
Gap Height (m)
Pole Number
6.98
6.96
6.94
6.92
6.9
6.88
6.86
6.84
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
8
6
4
2
0
−2
−4
0
50
100
150
200
250