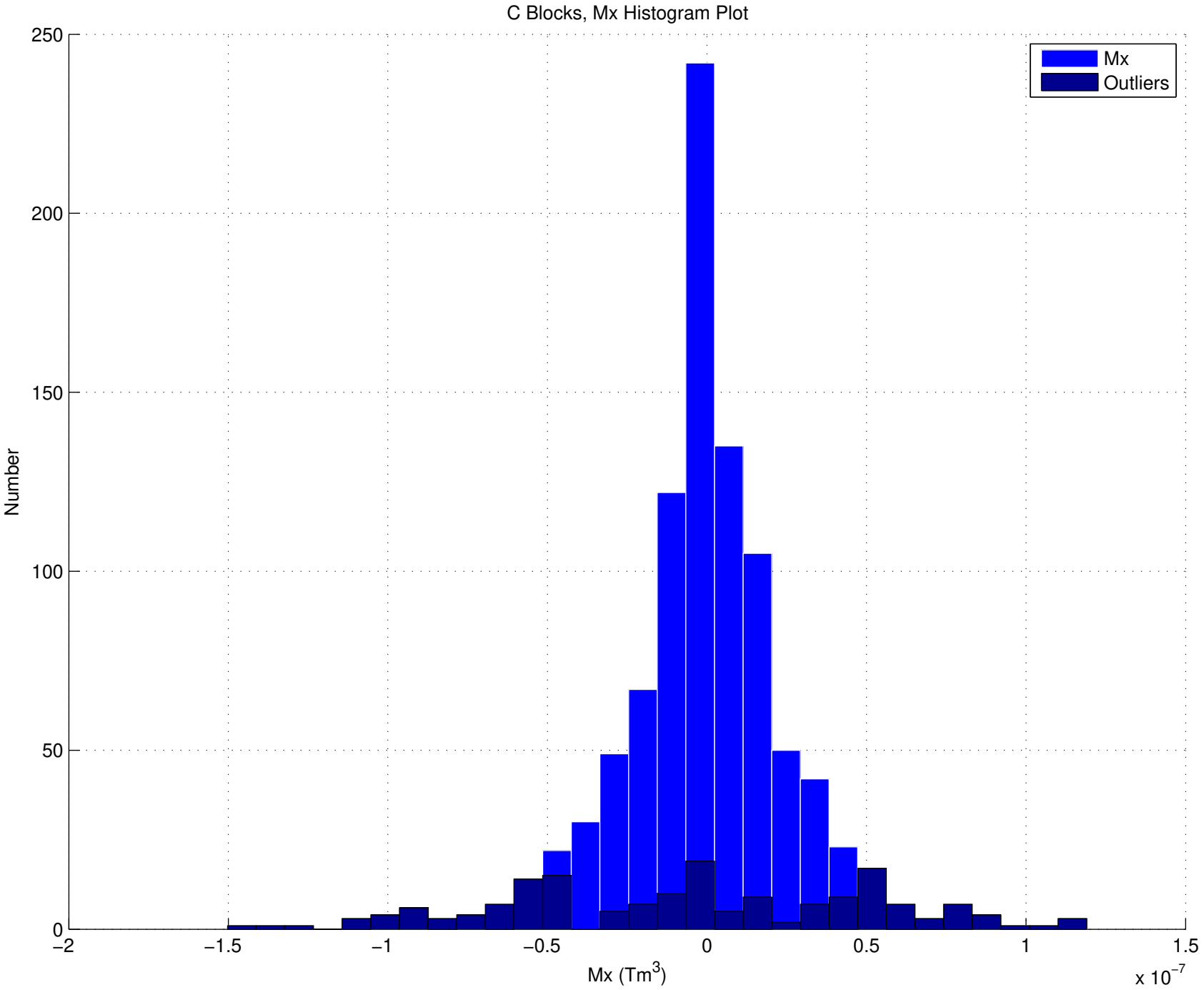
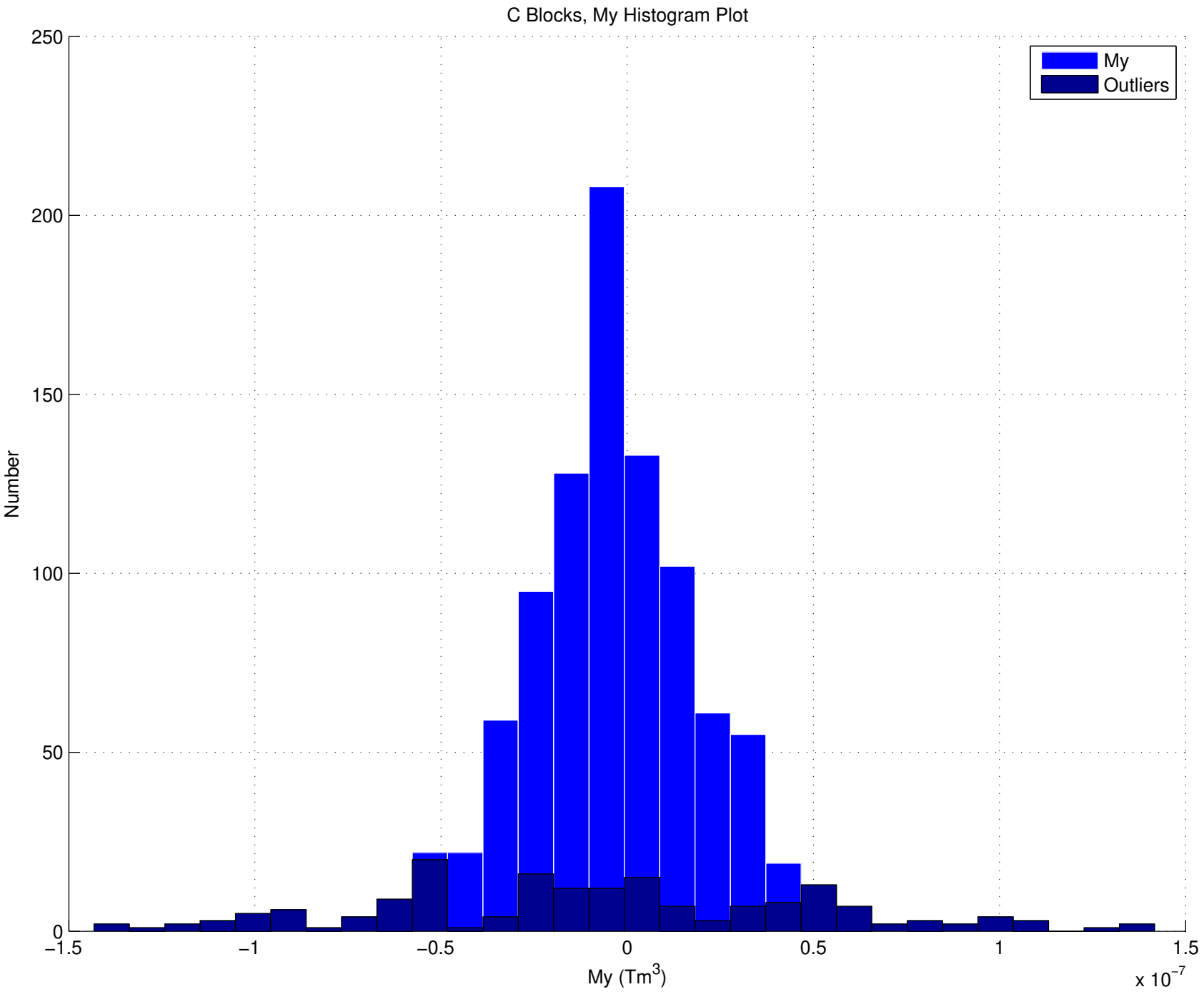
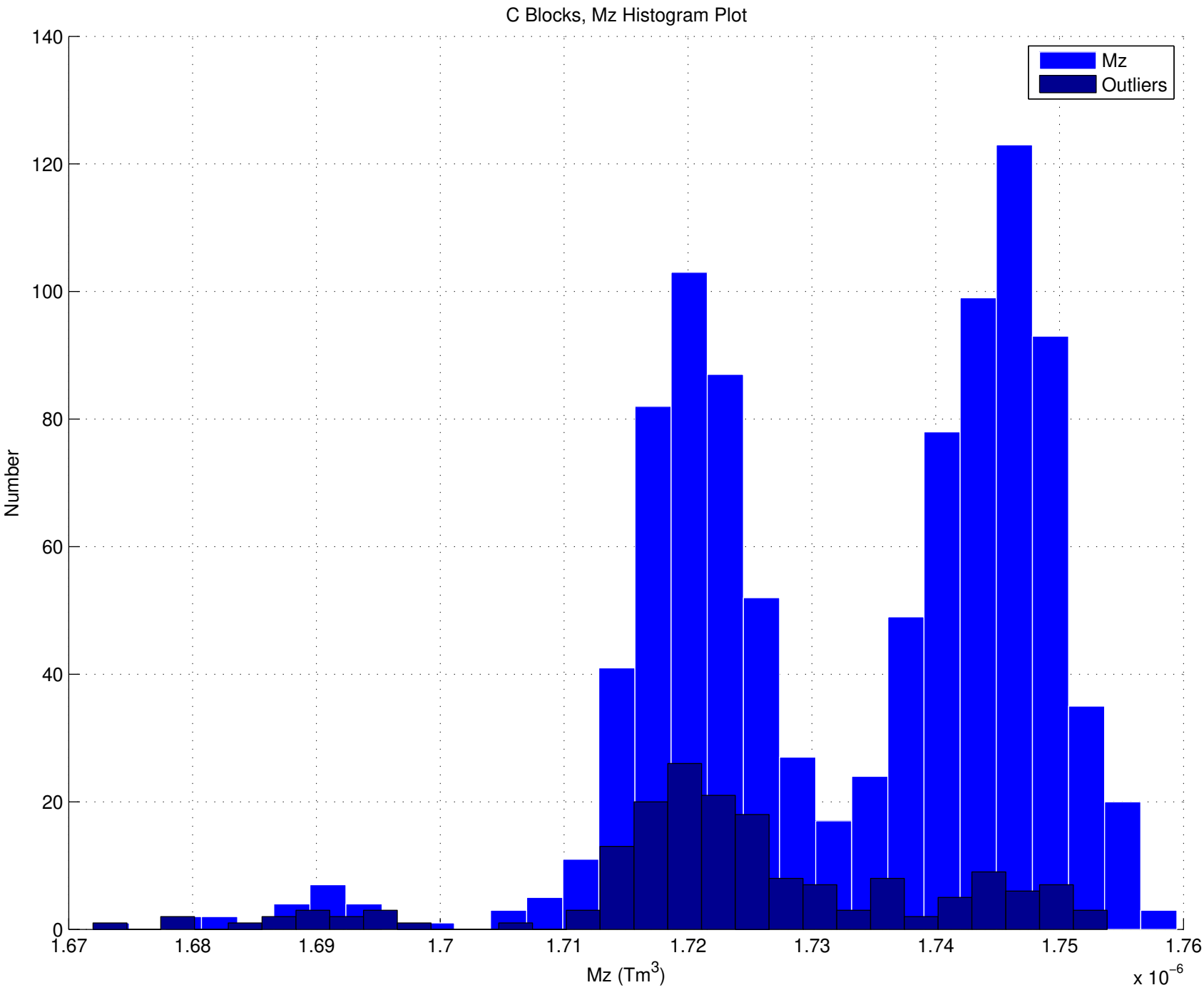
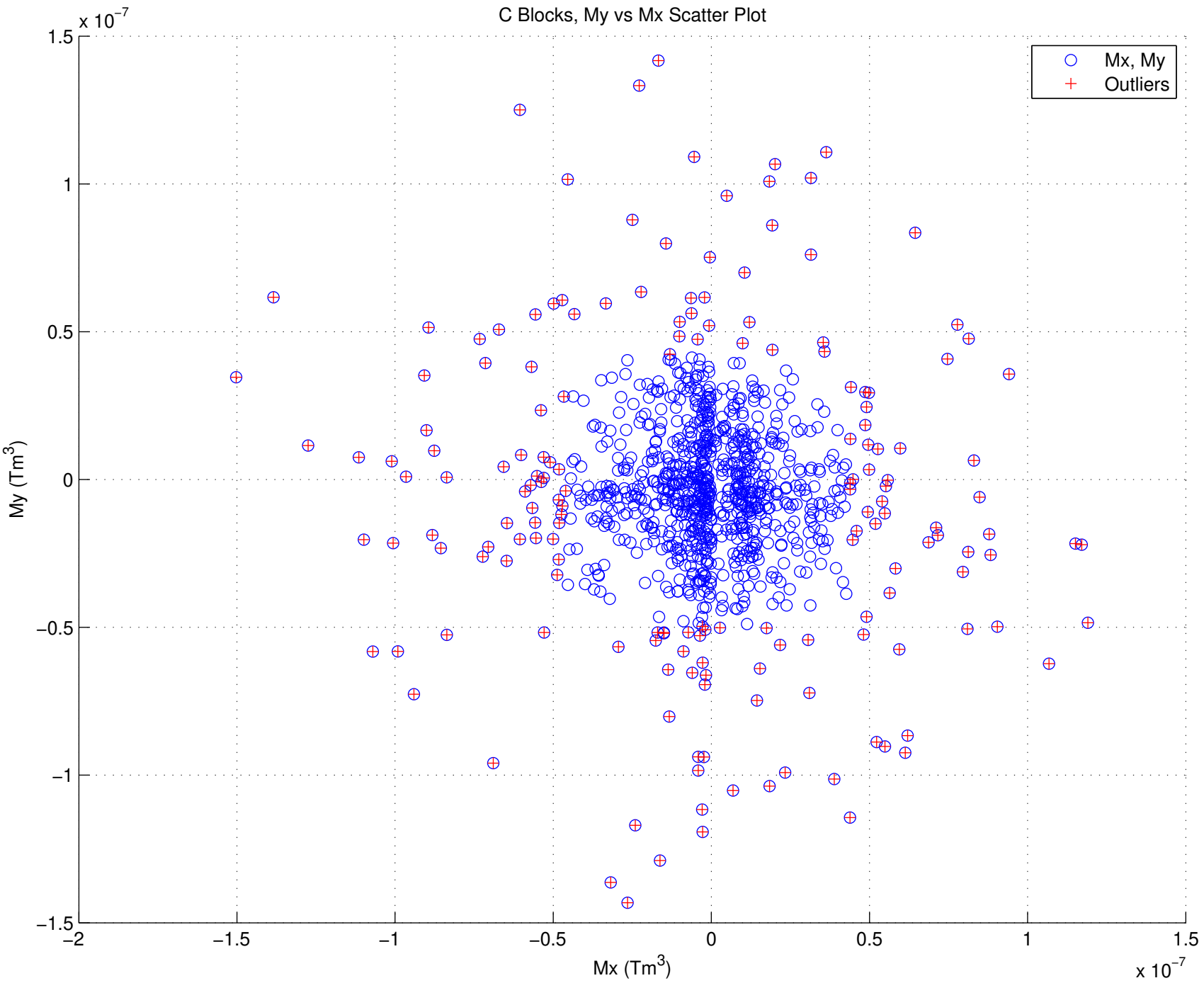
SLAC Magnetic Measurements

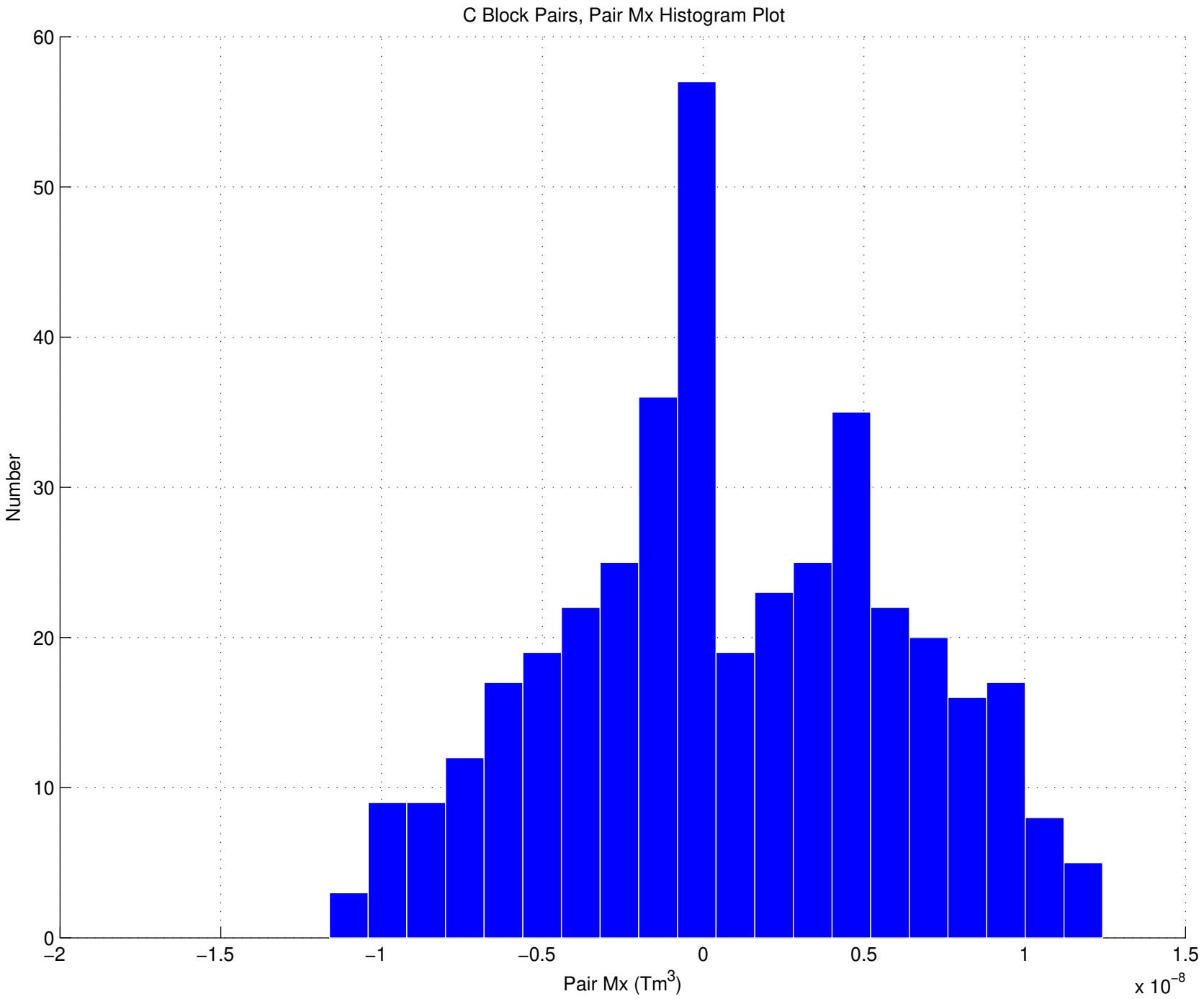
Horizontally Magnetized Block Sort Analysis
−−−

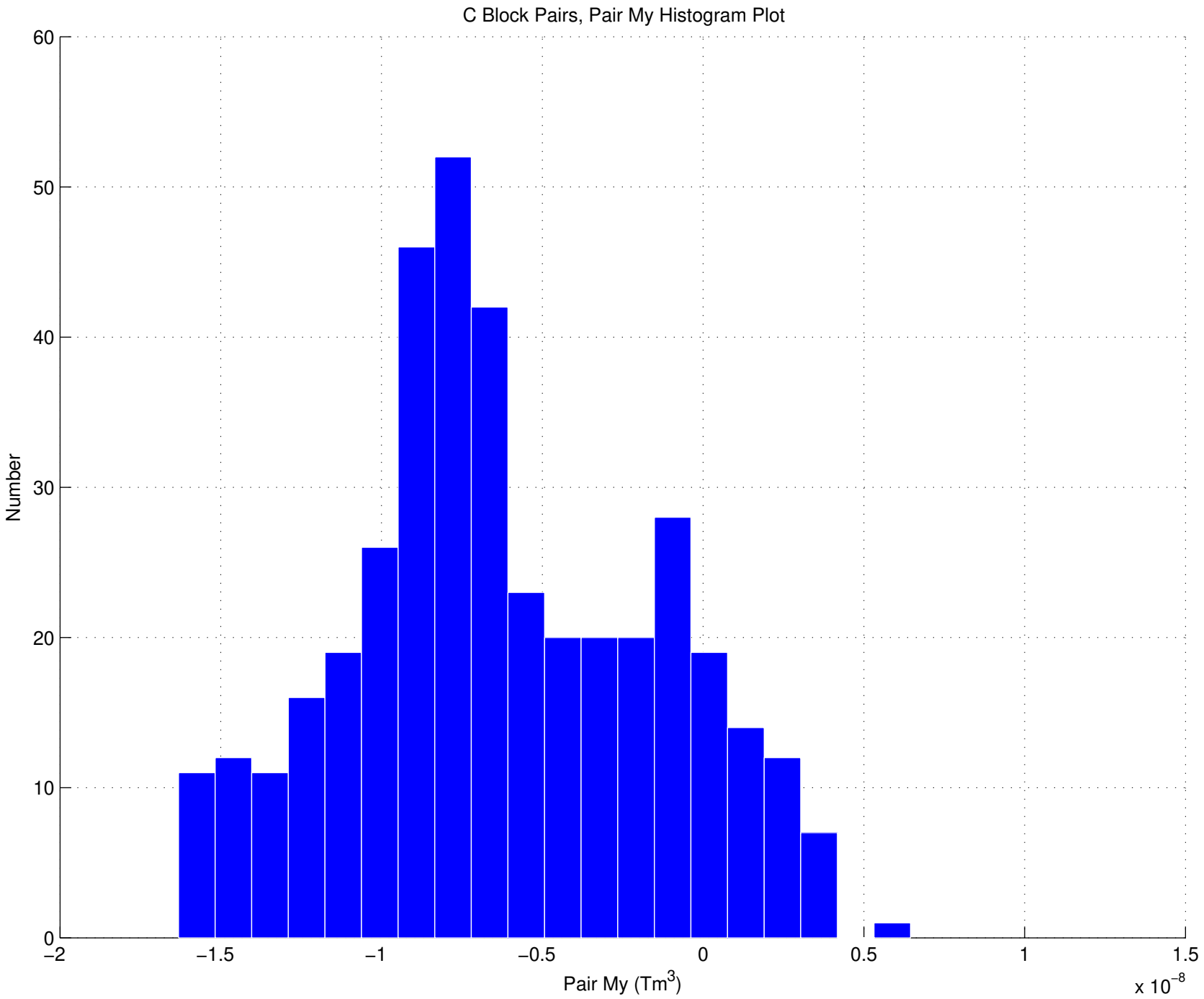

C Blocks, Mx Histogram Plot
Mx
Outliers
Number
250
200
150
100
50
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5
Mx (Tm3)
x 10−7

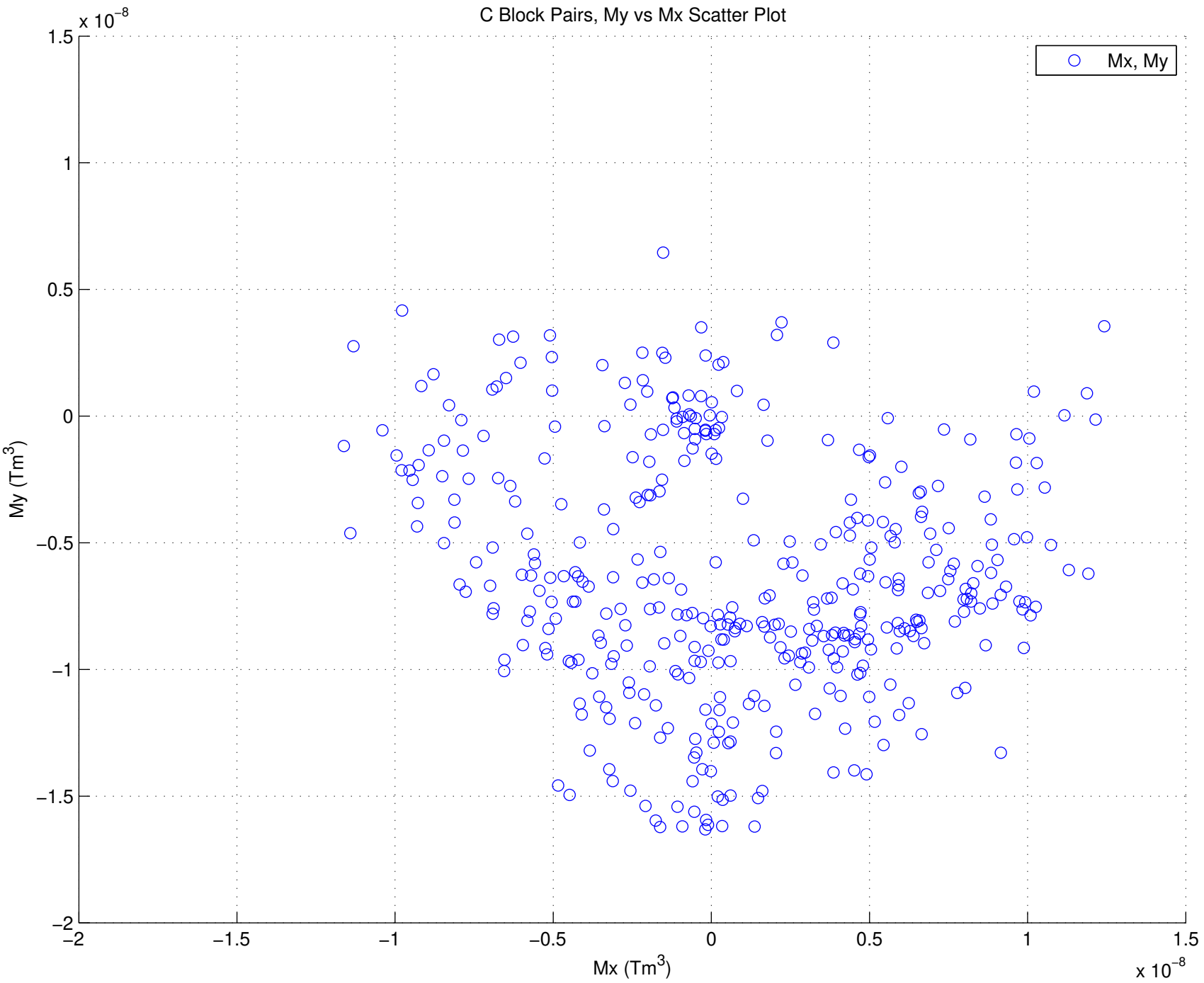

C Blocks, My Histogram Plot
My
Outliers
Number
250
200
150
100
50
0
−1.5
−1
−0.5
0
0.5
1
1.5
My (Tm3)
x 10−7


C Blocks, Mz Histogram Plot
Mz
Outliers
Number
0
20
40
60
80
100
120
140
1.67
1.68
1.69
1.7
1.71
1.72
1.73
1.74
1.75
1.76
Mz (Tm3)
x 10−6


C Blocks, My vs Mx Scatter Plot
x 10^-7
1.5
1
0.5
0
−0.5
−1
−1.5
My (Tm^3)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
Mx (Tm^3)
x 10^-7
Mx, My
Outliers


C Block Pairs, Pair Mx Histogram Plot
Number
Pair Mx (Tm3)
x 10−8
0
10
20
30
40
50
60
−2
−1.5
−1
−0.5
0
0.5
1
1.5


C Block Pairs, Pair My Histogram Plot
Number
Pair My (Tm3)
x 10−8
60
50
40
30
20
10
0
−2
−1.5
−1
−0.5
0
0.5
1
1.5


C Block Pairs, My vs Mx Scatter Plot
x 10^-8
1.5
1
0.5
0
−0.5
−1
−1.5
−2
My (Tm^3)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
Mx (Tm^3)
x 10^-8
Mx, My

C Blocks And Pairs, My vs Mx Scatter Plot
x 10^-7
1.5
1
0.5
0
−0.5
−1
−1.5
My (Tm^3)
−2
−1.5
−1
−0.5
0
0.5
1
1.5
Mx (Tm^3)
x 10^-7
Mx, My
Outliers
Pair Mx, My