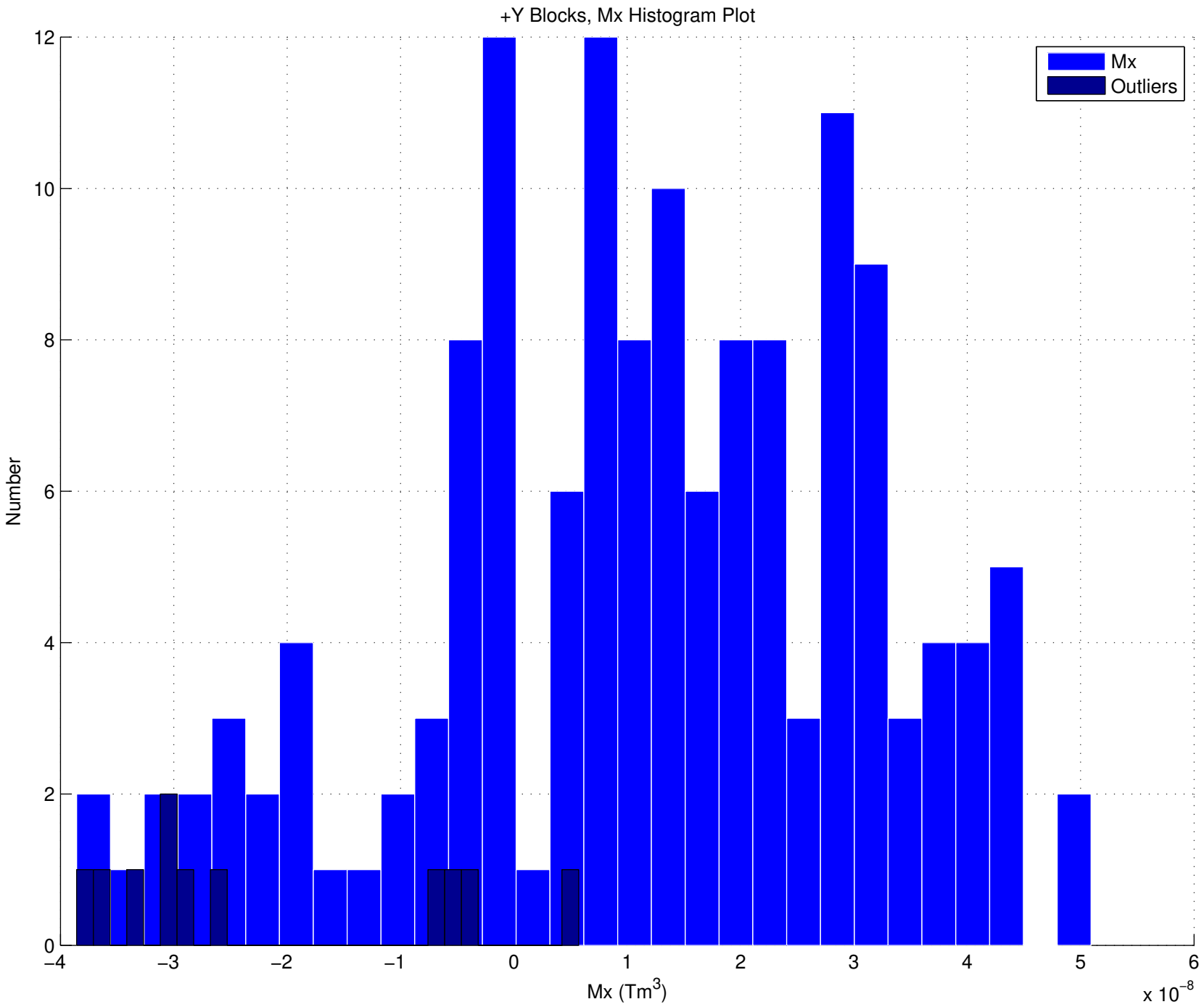
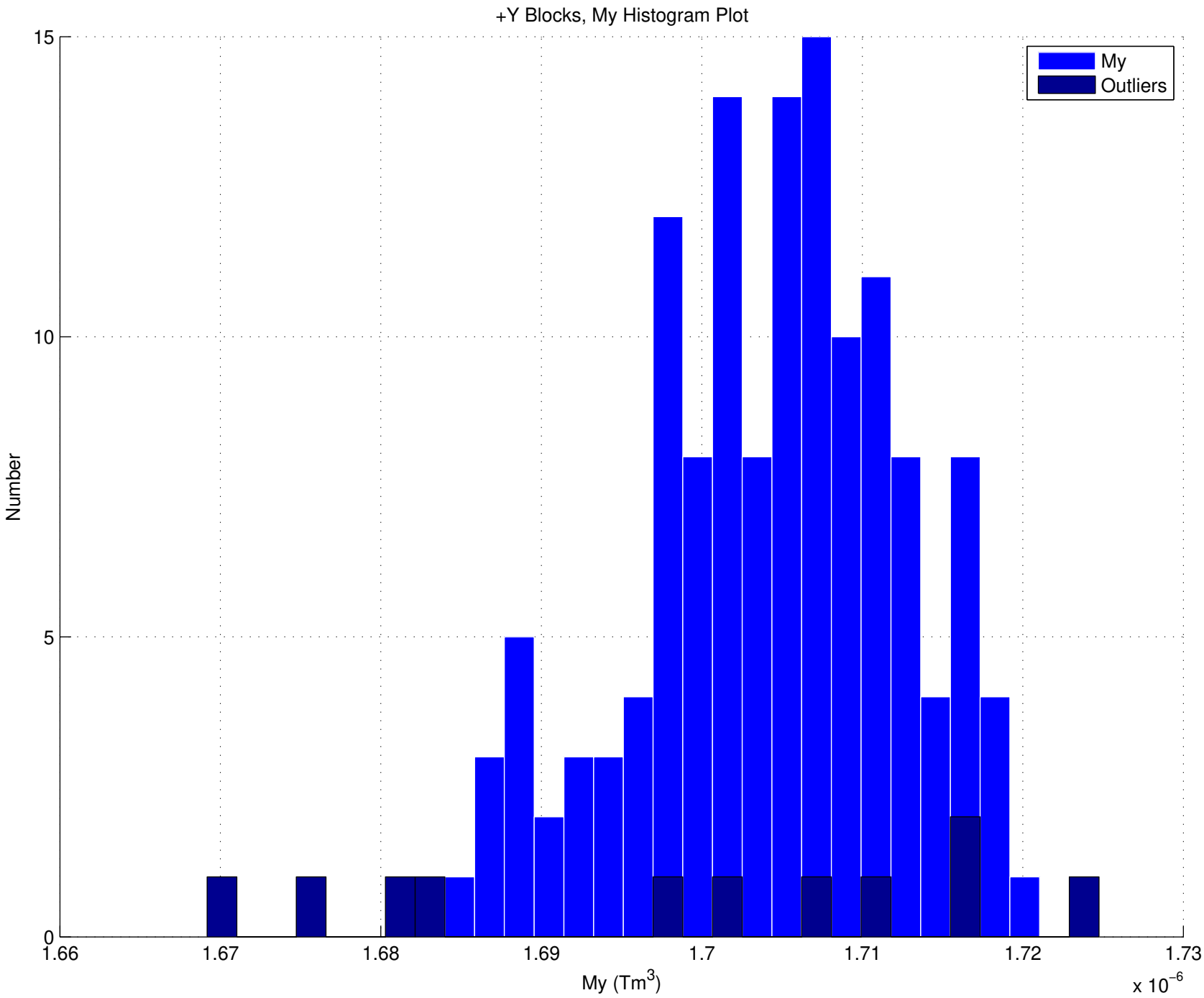
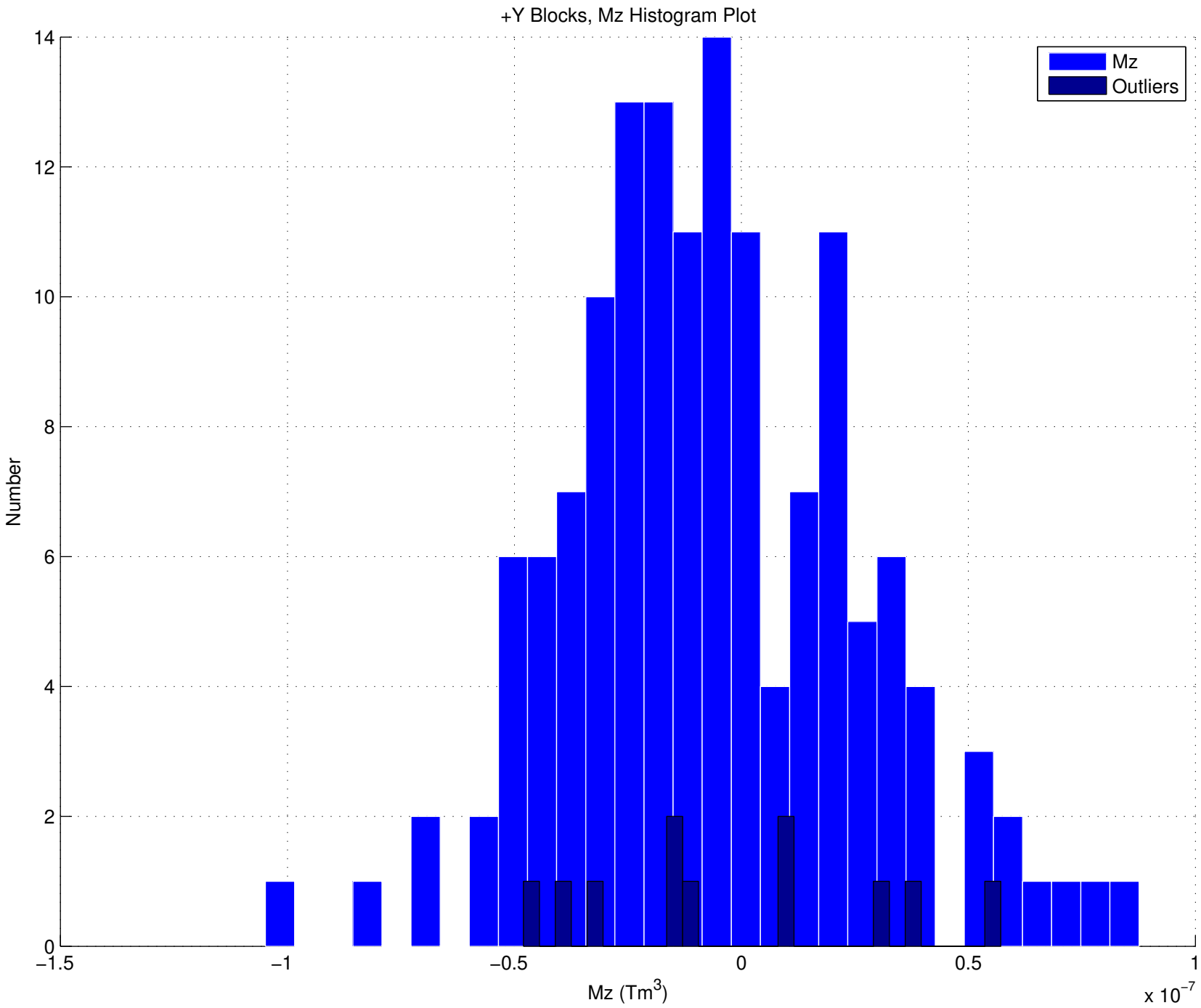
SLAC Magnetic Measurements

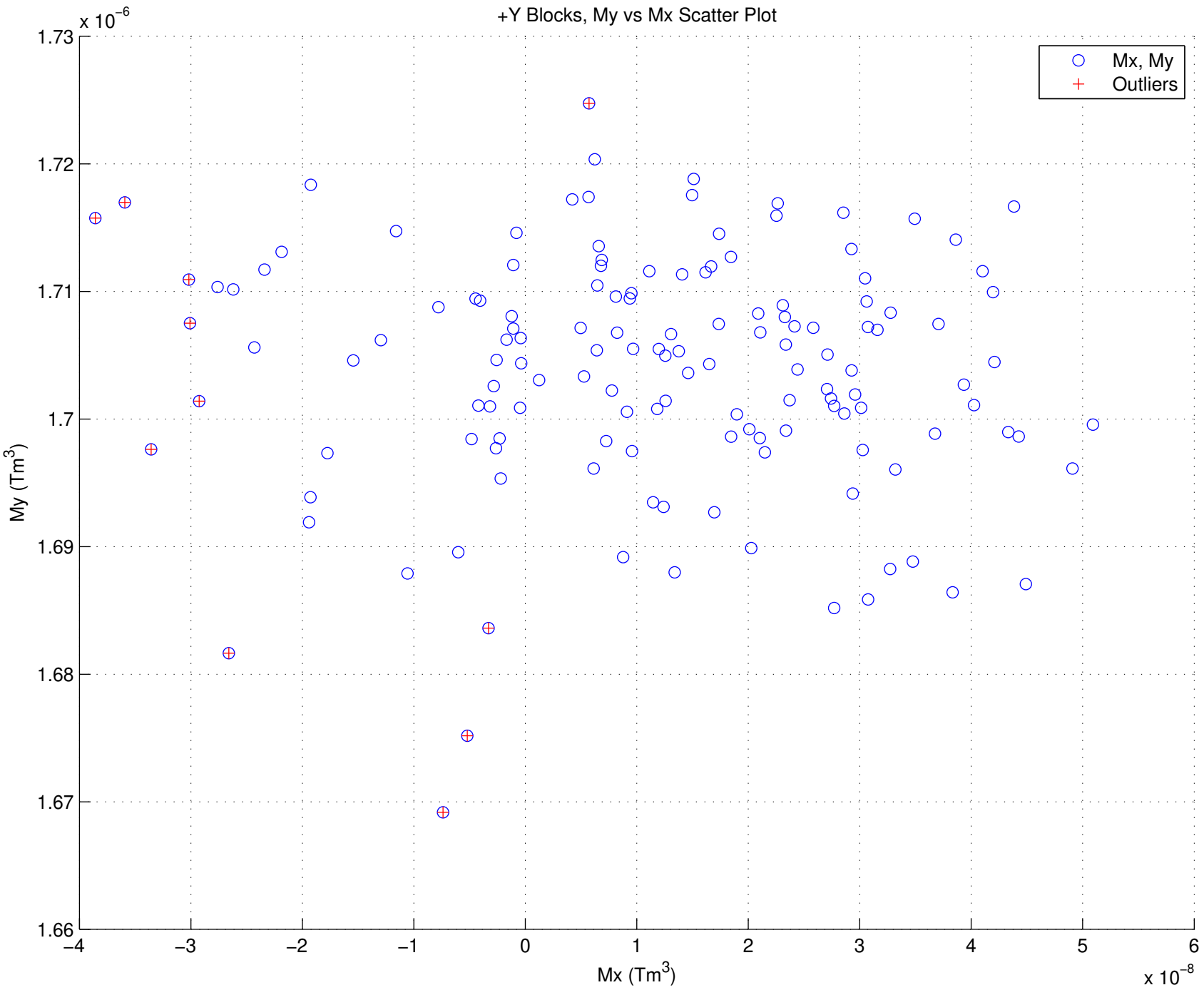
Vertically Magnetized Block Sort Analysis
−−

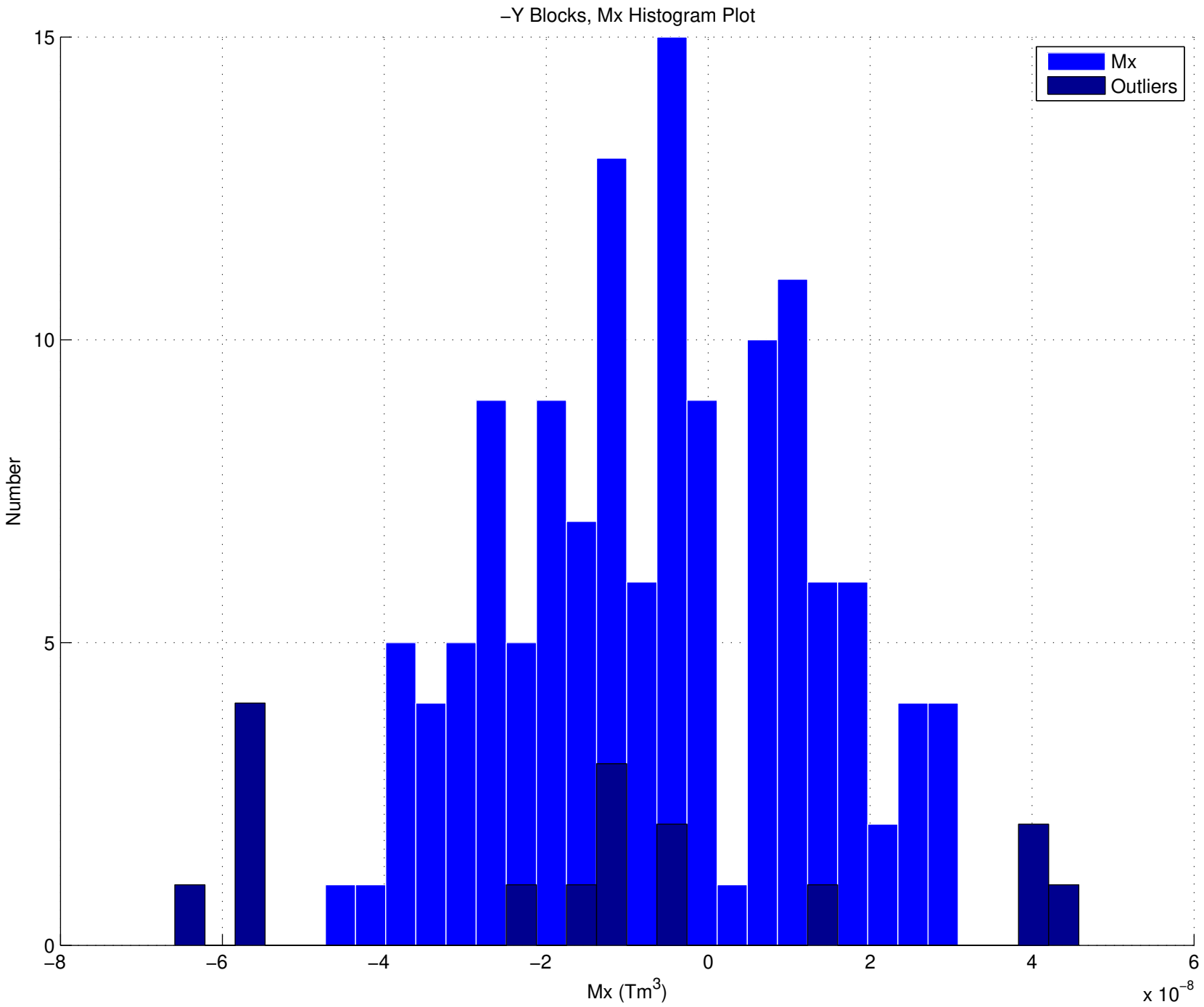
Parameters:
OUTPUT−FILE−DIR =c:\magdata\aa−int block sort results

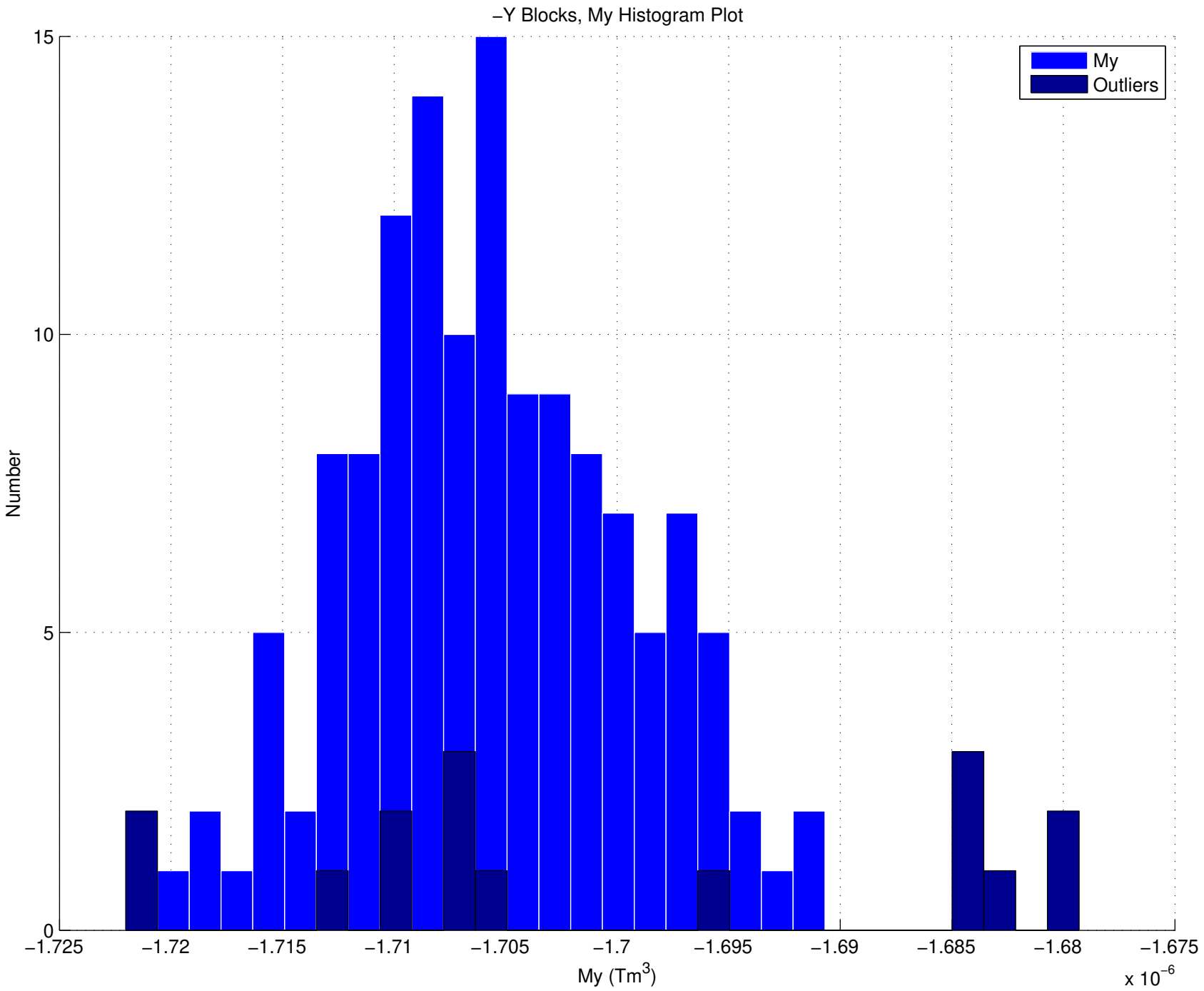

+Y Blocks, Mx Histogram Plot
Mx
Outliers
Number
Mx (Tm3)
x 10−8
0
2
4
6
8
10
12
−4
−3
−2
−1
0
1
2
3
4
5
6

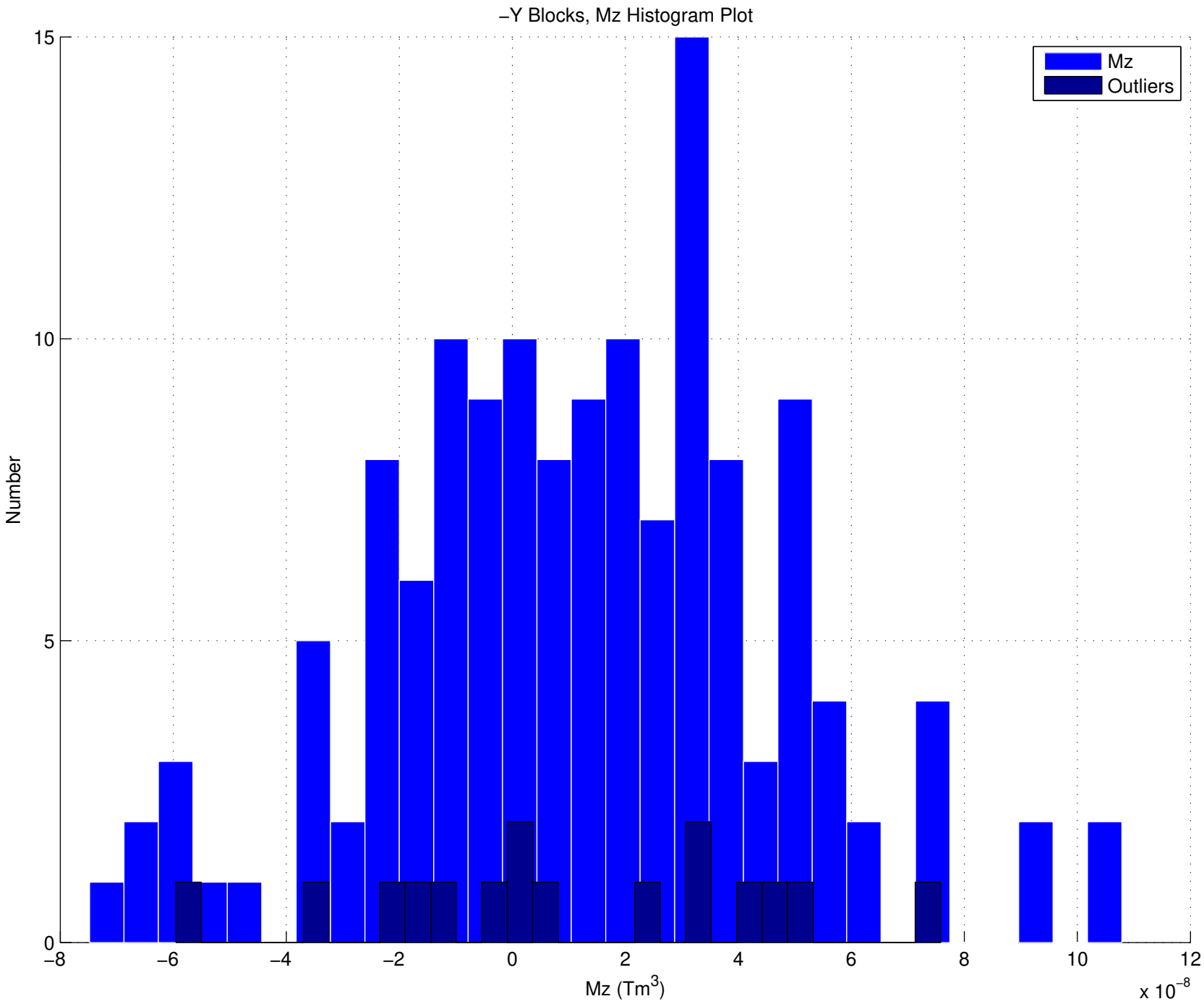

+Y Blocks, My Histogram Plot
My
Outliers
Number
15
10
5
0
1.66
1.67
1.68
1.69
1.7
1.71
1.72
1.73
My (Tm3)
x 10-6

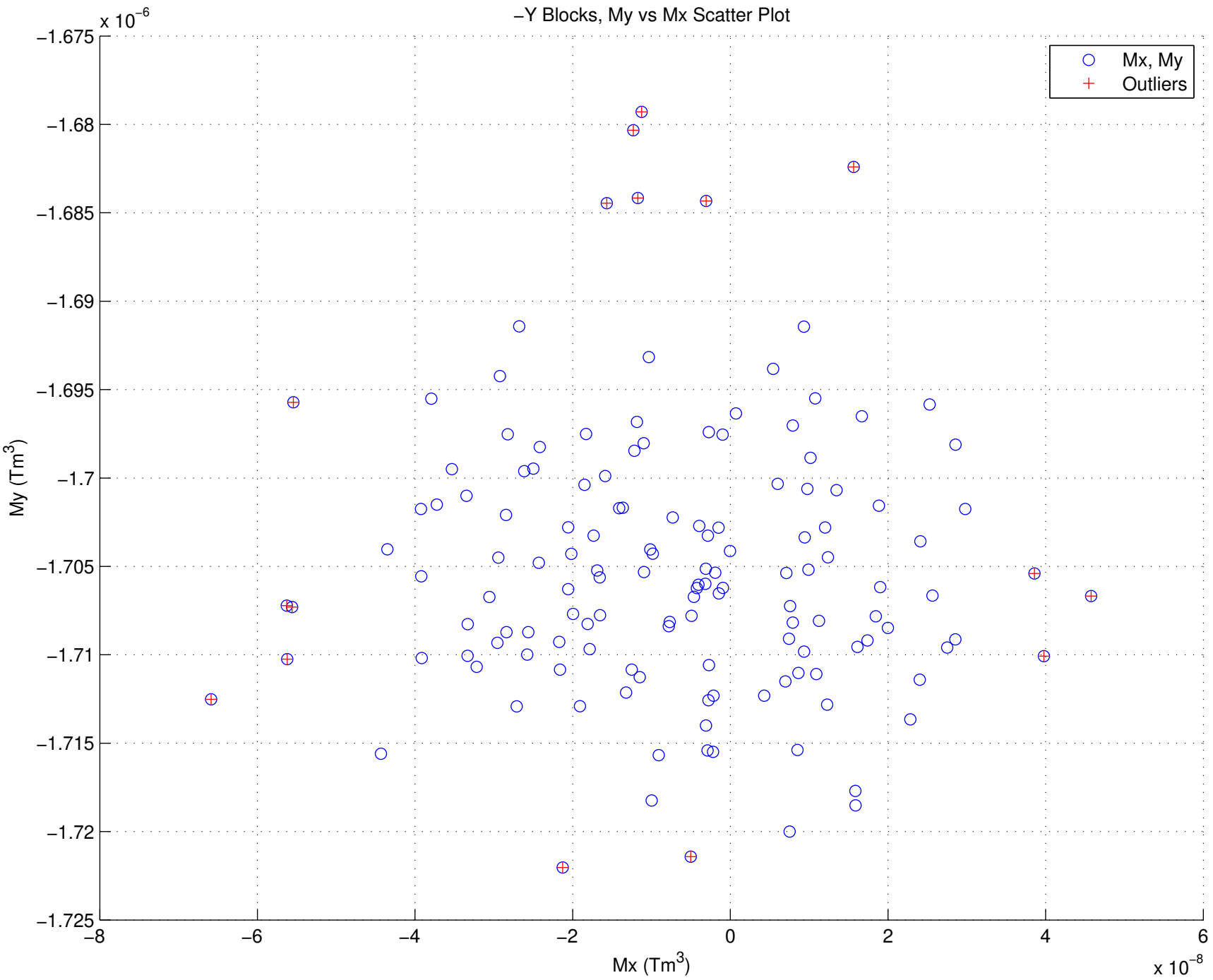

+Y Blocks, Mz Histogram Plot
Mz
Outliers
Number
14
12
10
8
6
4
2
0
−1.5
−1
−0.5
0
0.5
1
Mz (Tm3)
x 10−7

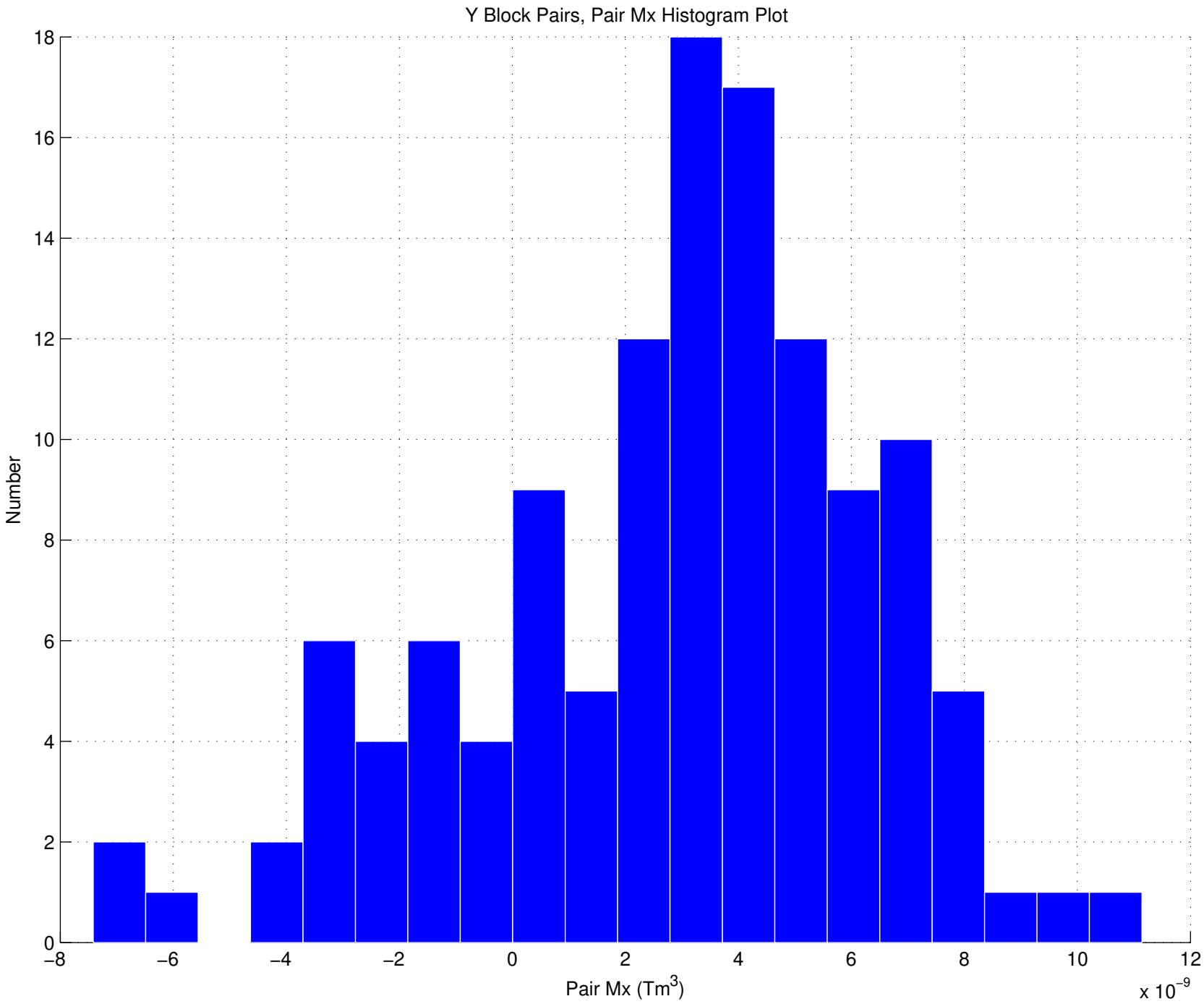

+Y Blocks, My vs Mx Scatter Plot
x 10^-6
1.73
1.72
1.71
1.7
1.69
1.68
1.67
1.66
My (Tm^3)
−4
−3
−2
−1
0
1
2
3
4
5
6
Mx (Tm^3)
x 10^-8
Mx, My
Outliers

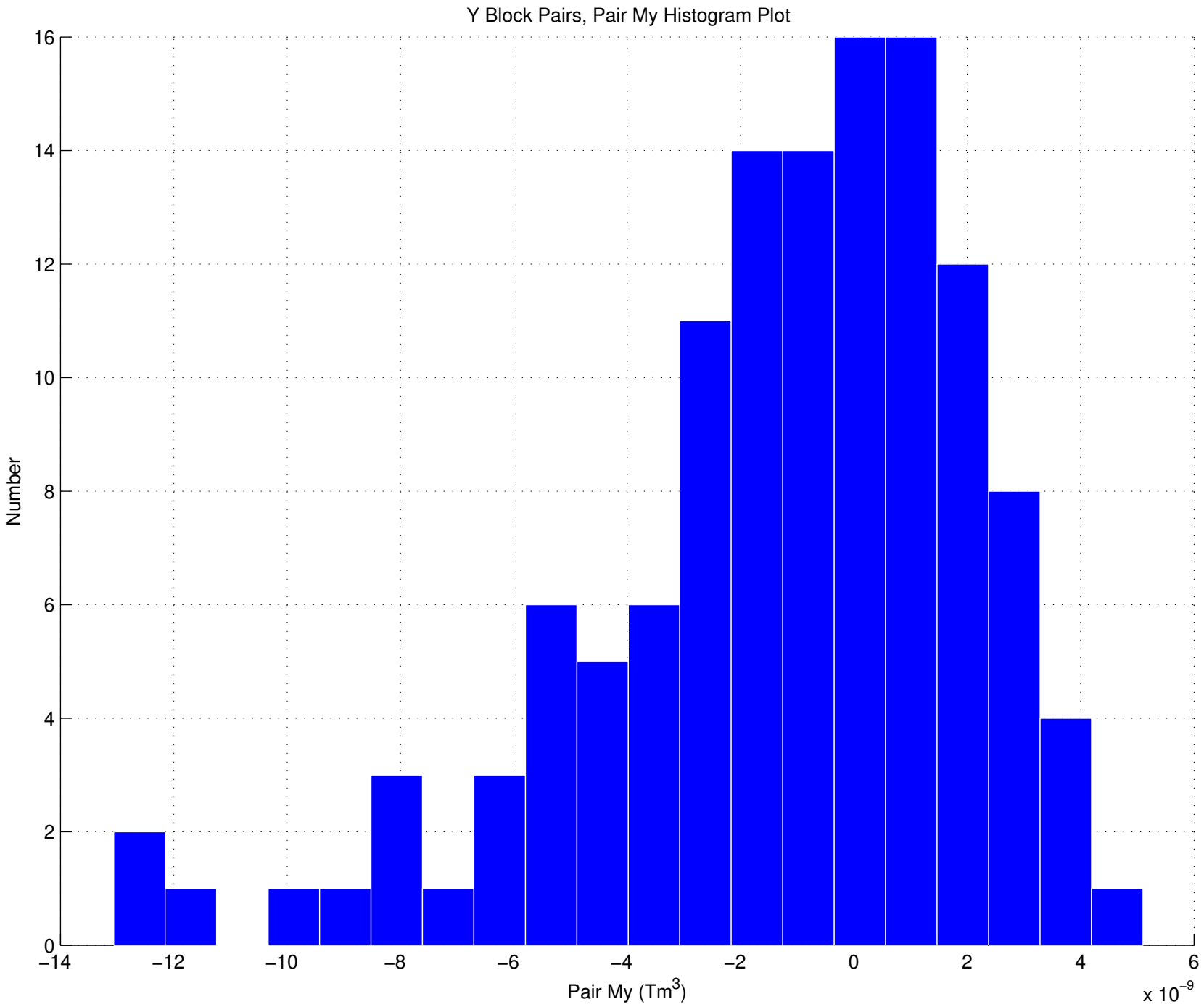

−Y Blocks, Mx Histogram Plot
Mx
Outliers
Number
15
10
5
0
−8
−6
−4
−2
0
2
4
6
Mx (Tm3)
x 10−8


−Y Blocks, My Histogram Plot
My
Outliers
15
10
5
0
Number
−1.725
−1.72
−1.715
−1.71
−1.705
−1.7
−1.695
−1.69
−1.685
−1.68
−1.675
My (Tm3)
x 10−6


−Y Blocks, Mz Histogram Plot
Mz
Outliers
Number
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8
10
12
Mz (Tm3)
x 10−8


−Y Blocks, My vs Mx Scatter Plot
x 10^−6
−1.675
−1.68
−1.685
−1.69
−1.695
−1.7
−1.705
−1.71
−1.715
−1.72
−1.725
My (Tm^3)
−8
−6
−4
−2
0
2
4
6
Mx (Tm^3)
x 10^−8
Mx, My
Outliers


Y Block Pairs, Pair Mx Histogram Plot
Number
Pair Mx (Tm^3)
x 10^{-9}
0
2
4
6
8
10
12
14
16
18
−8
−6
−4
−2
0
2
4
6
8
10
12


Y Block Pairs, Pair My Histogram Plot
Number
Pair My (Tm3)
x 10-9
0
2
4
6
8
10
12
14
16
−14
−12
−10
−8
−6
−4
−2
0
2
4
6