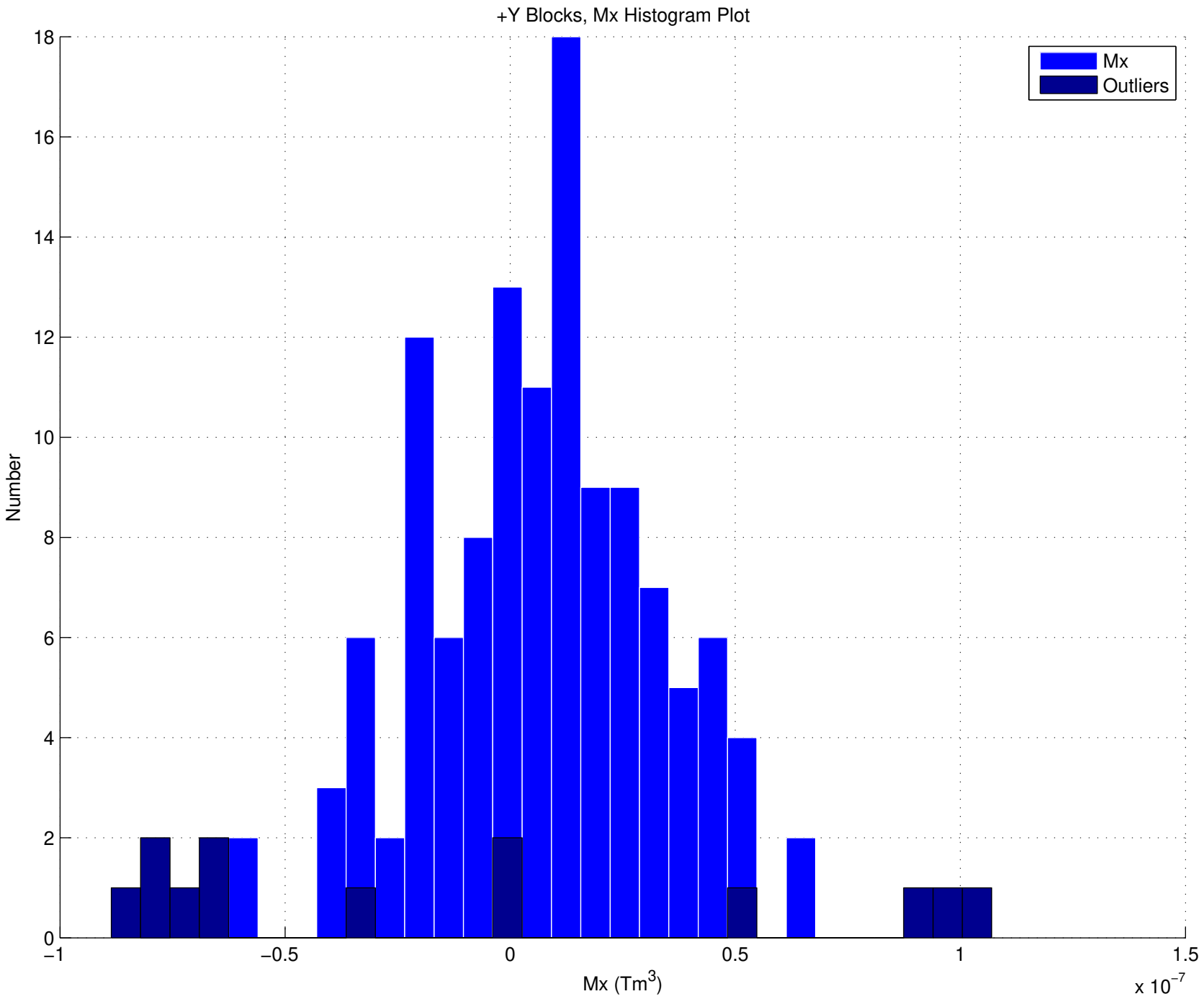
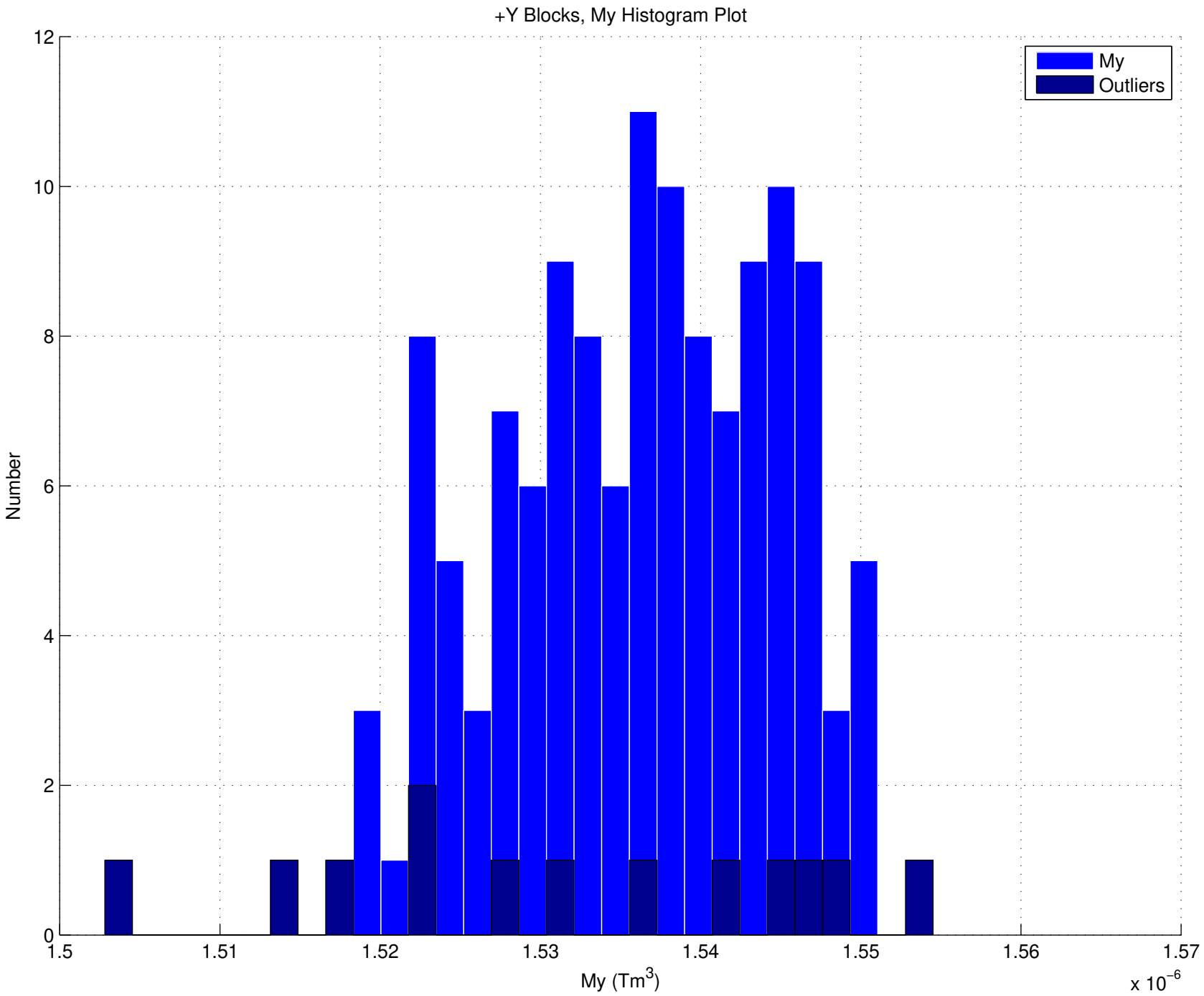
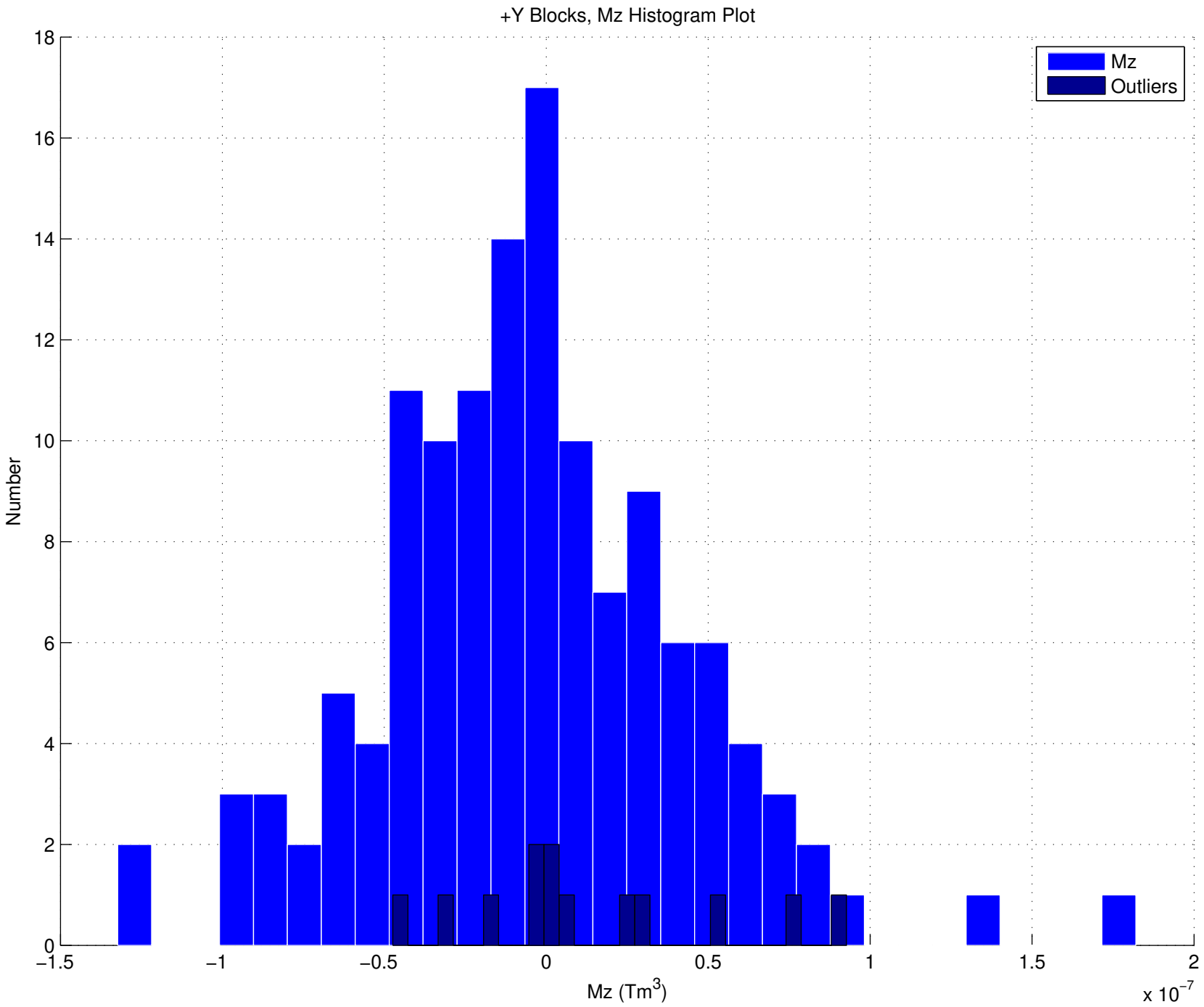
SLAC Magnetic Measurements

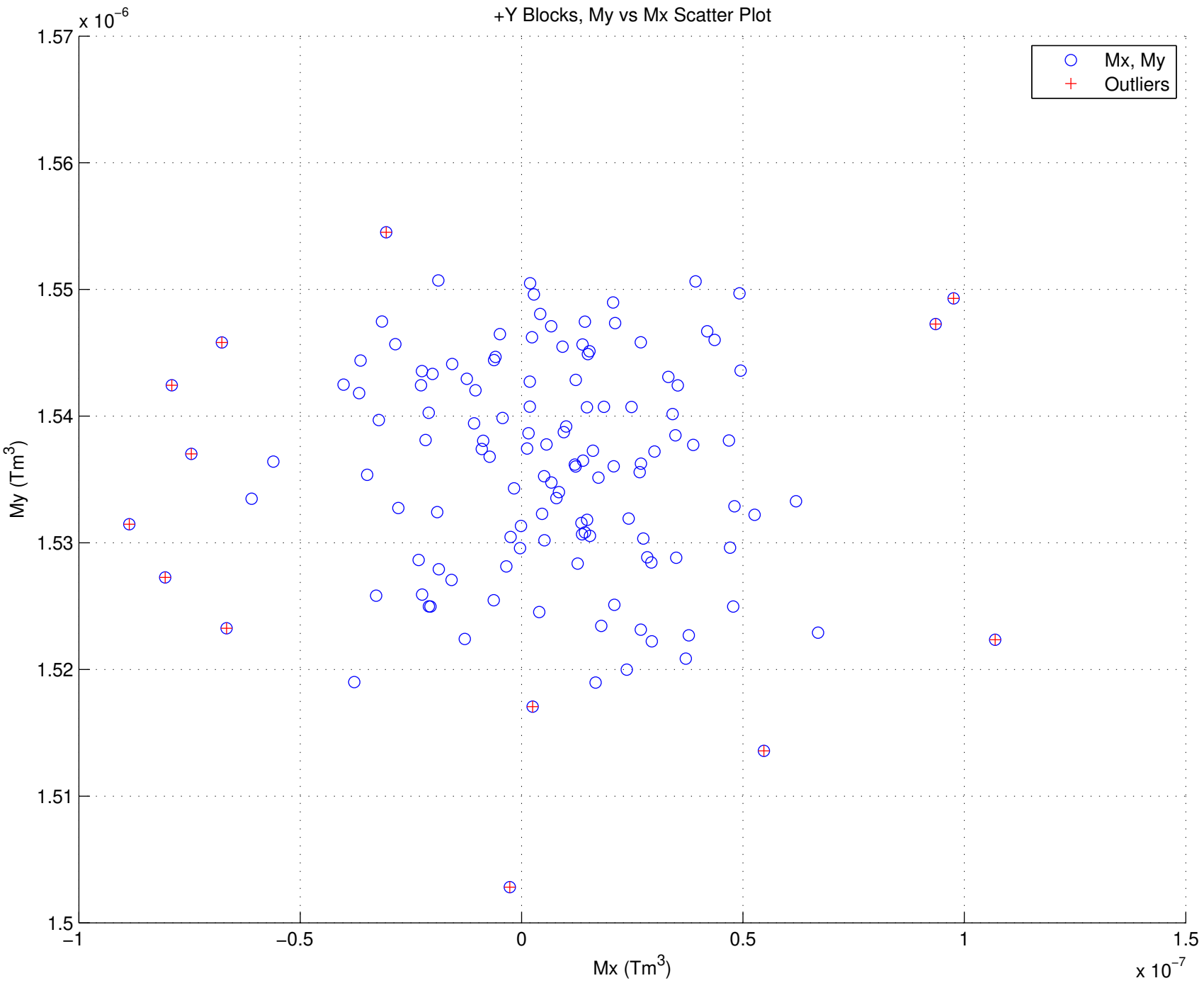
Vertically Magnetized Block Sort Analysis
−−

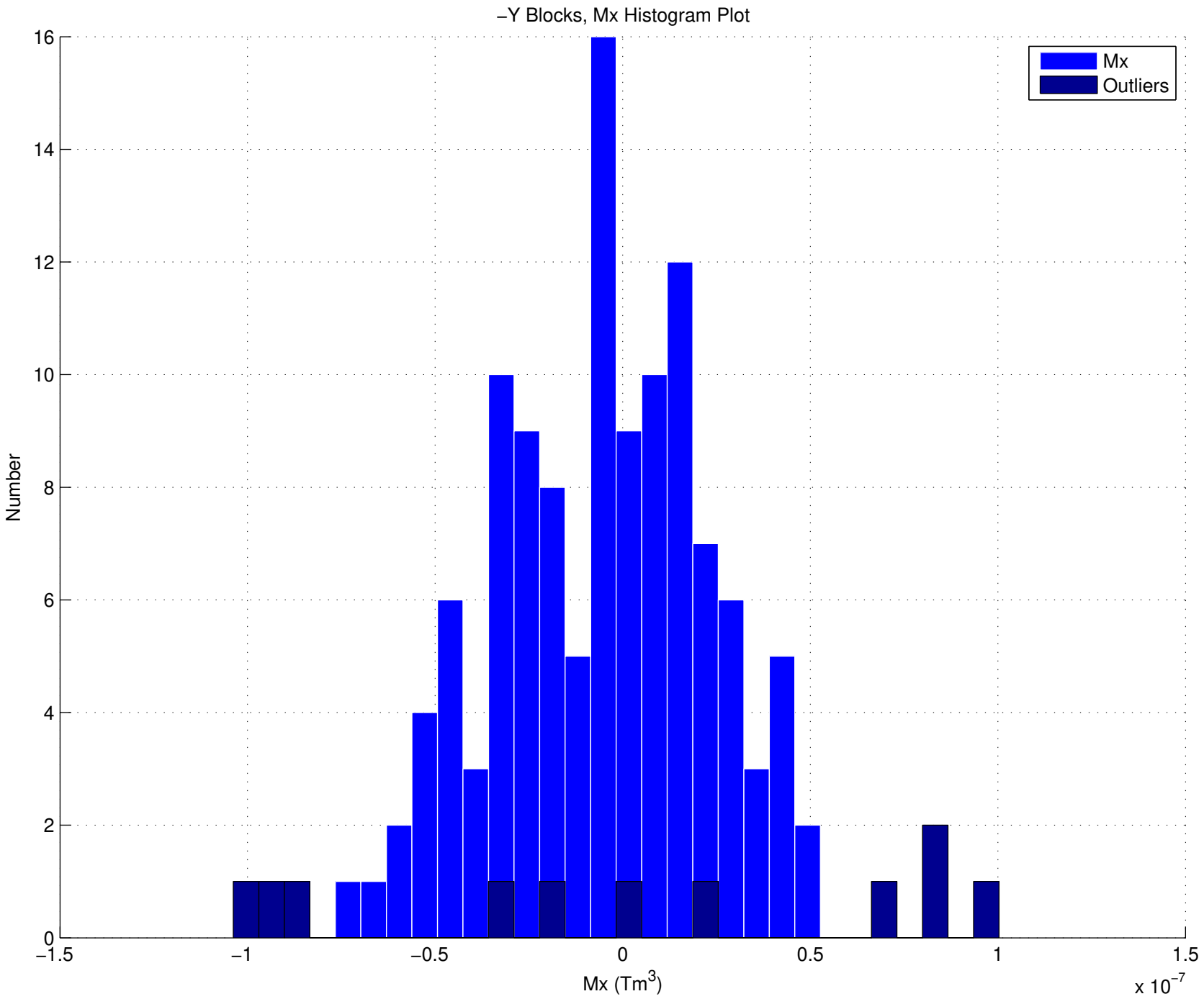
Parameters:
OUTPUT−FILE−DIR =c:\magdata\block sort results

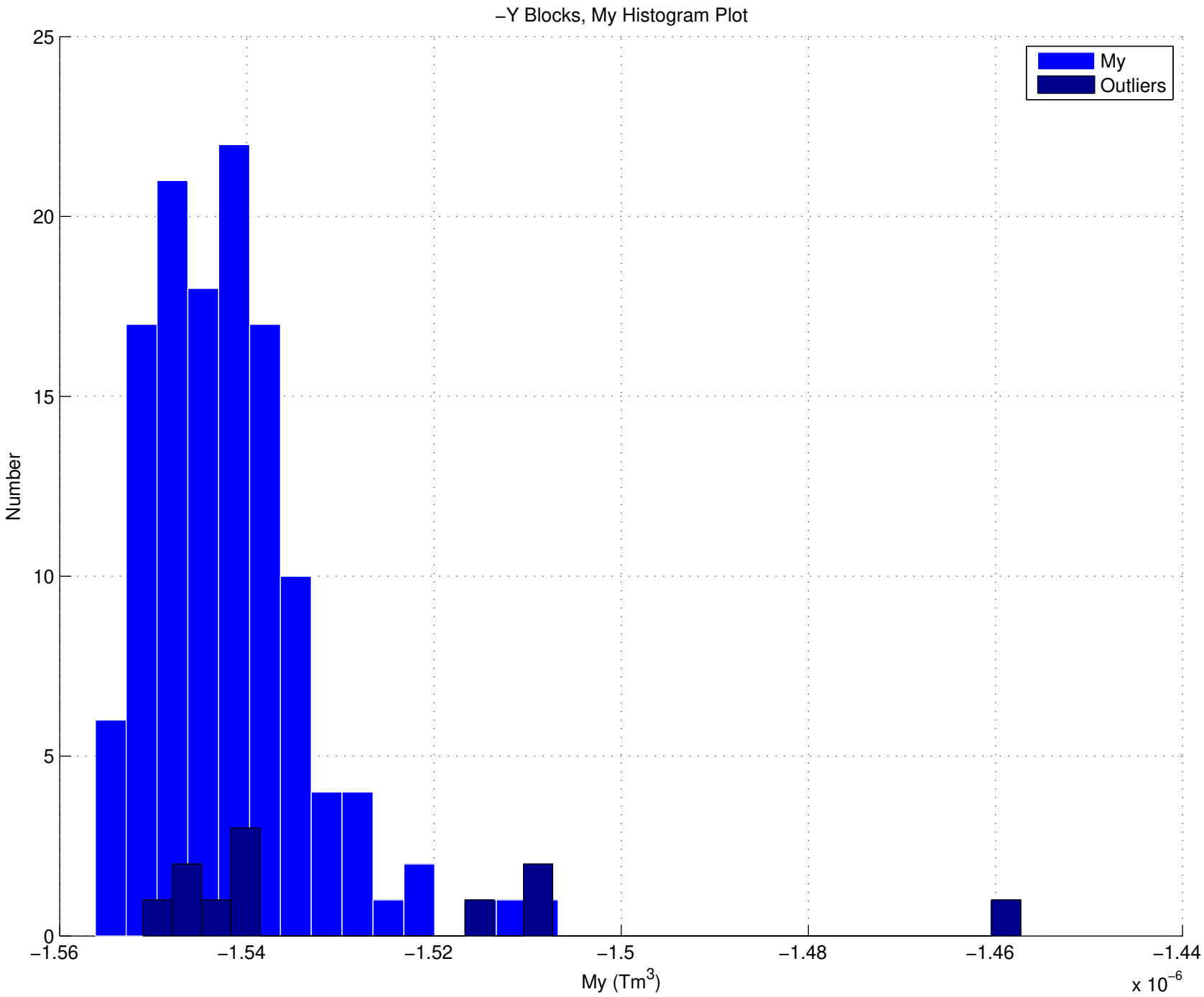

+Y Blocks, Mx Histogram Plot
Mx
Outliers
Number
Mx (Tm3)
x 10−7
18
16
14
12
10
8
6
4
2
0
−1
−0.5
0
0.5
1
1.5

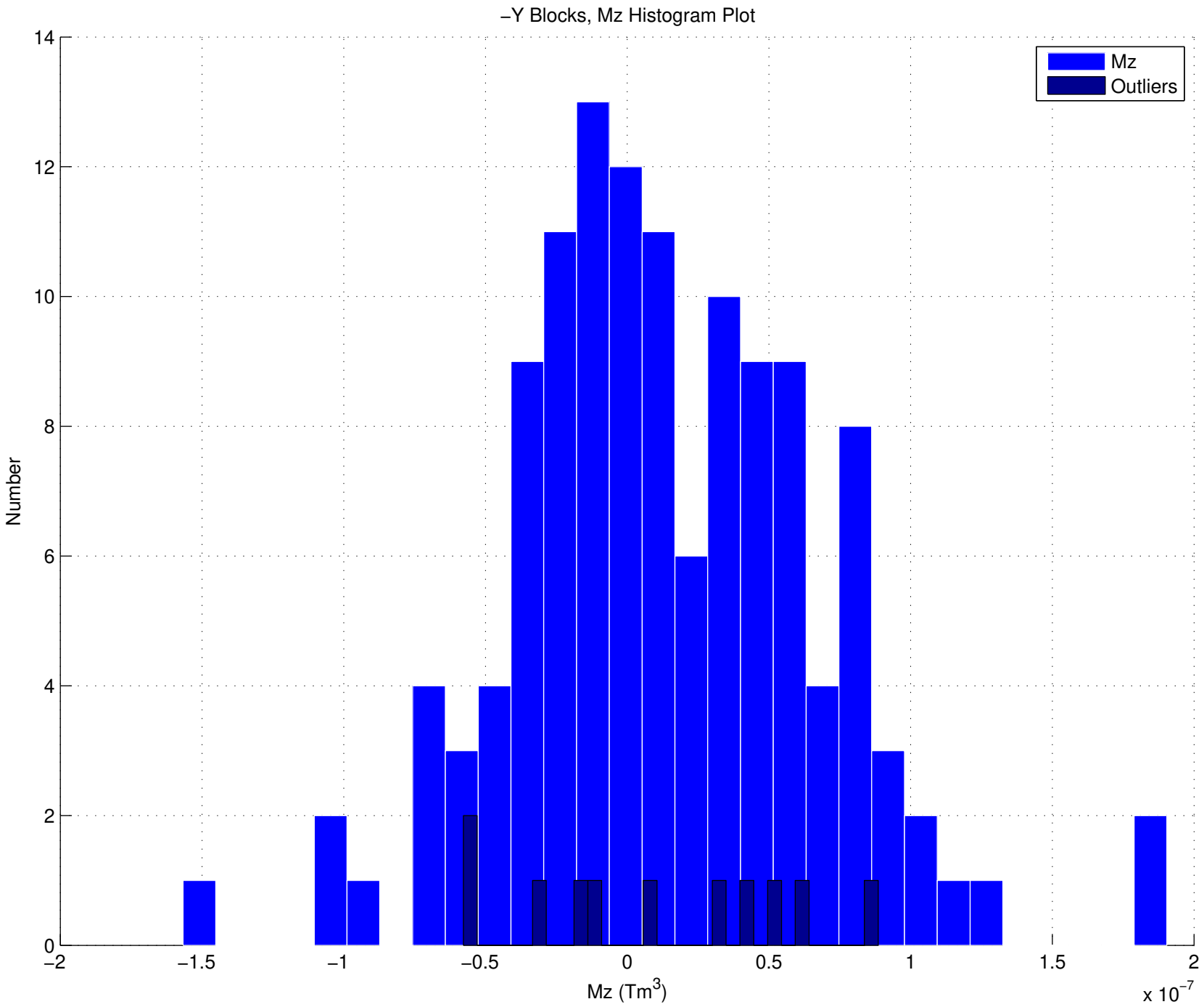

+Y Blocks, My Histogram Plot
My
Outliers
Number
0
2
4
6
8
10
12
1.5
1.51
1.52
1.53
1.54
1.55
1.56
1.57
My (Tm3)
x 10−6

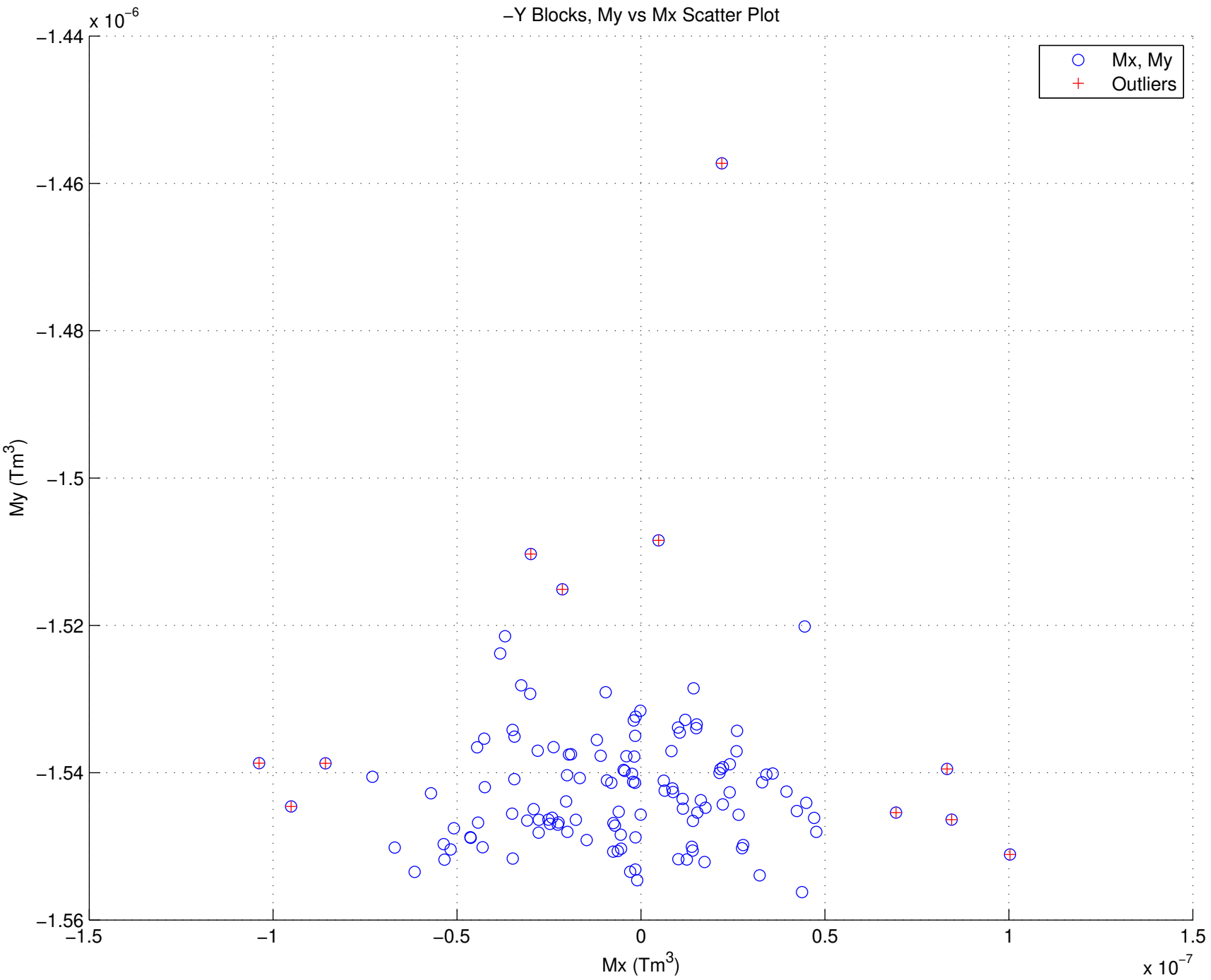

+Y Blocks, Mz Histogram Plot
Mz
Outliers
Number
Mz (Tm3)
x 10−7
18
16
14
12
10
8
6
4
2
0
−1.5
−1
−0.5
0
0.5
1
1.5
2


+Y Blocks, My vs Mx Scatter Plot
x 10^-6
1.57
1.56
1.55
1.54
1.53
1.52
1.51
1.5
My (Tm^3)
−1
−0.5
0
0.5
1
1.5
Mx (Tm^3)
x 10^-7
Mx, My
Outliers


−Y Blocks, Mx Histogram Plot
Mx
Outliers
Number
16
14
12
10
8
6
4
2
0
−1.5
−1
−0.5
0
0.5
1
1.5
Mx (Tm3)
x 10−7


−Y Blocks, My Histogram Plot
My
Outliers
Number
25
20
15
10
5
0
−1.56
−1.54
−1.52
−1.5
−1.48
−1.46
−1.44
My (Tm3)
x 10−6


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


−Y Blocks, My vs Mx Scatter Plot
x 10^−6
−1.44
−1.46
−1.48
−1.5
−1.52
−1.54
−1.56
My (Tm^3)
−1.5
−1
−0.5
0
0.5
1
1.5
Mx (Tm^3)
x 10^−7
Mx, My
Outliers