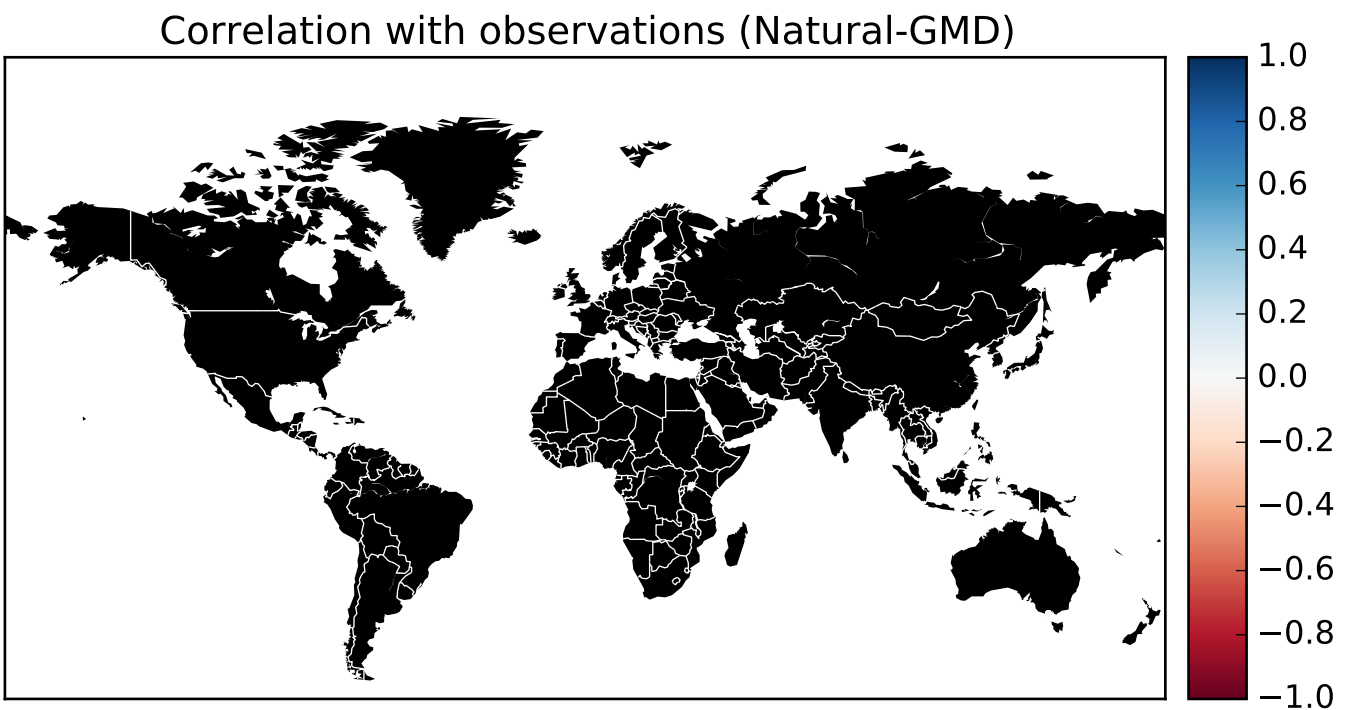
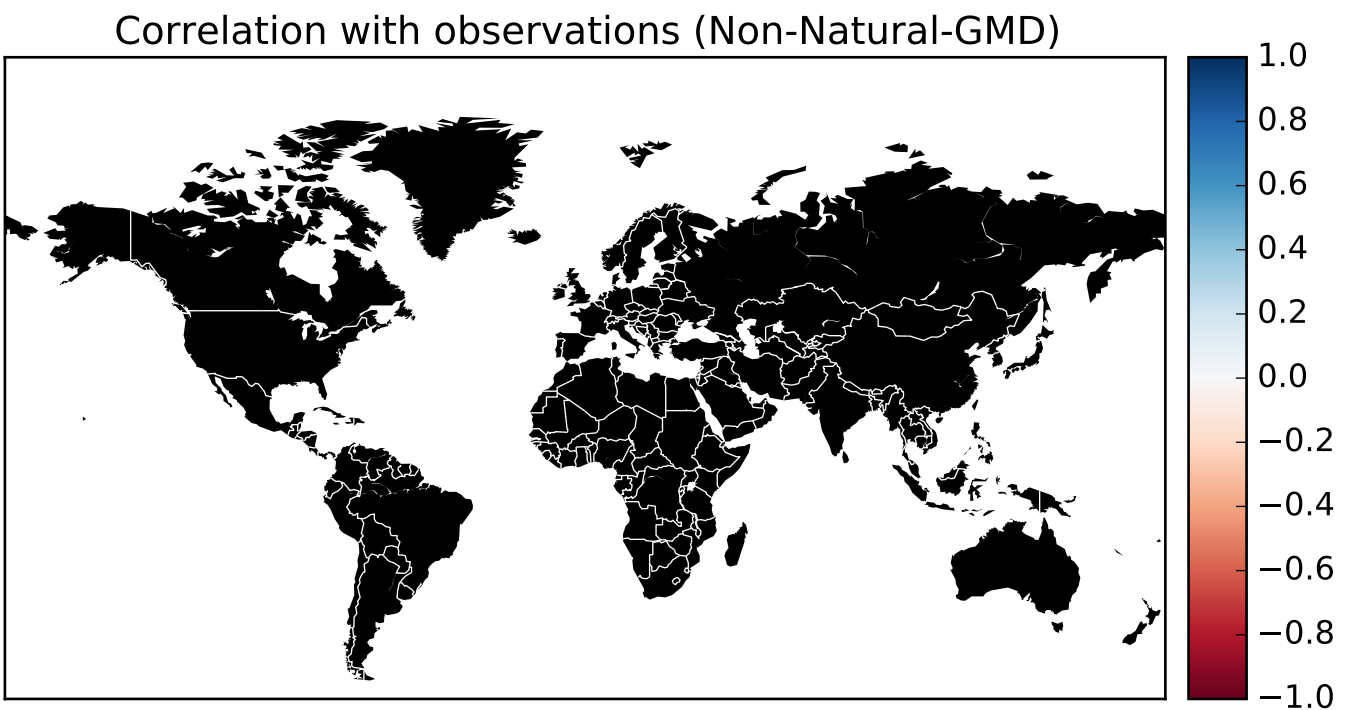
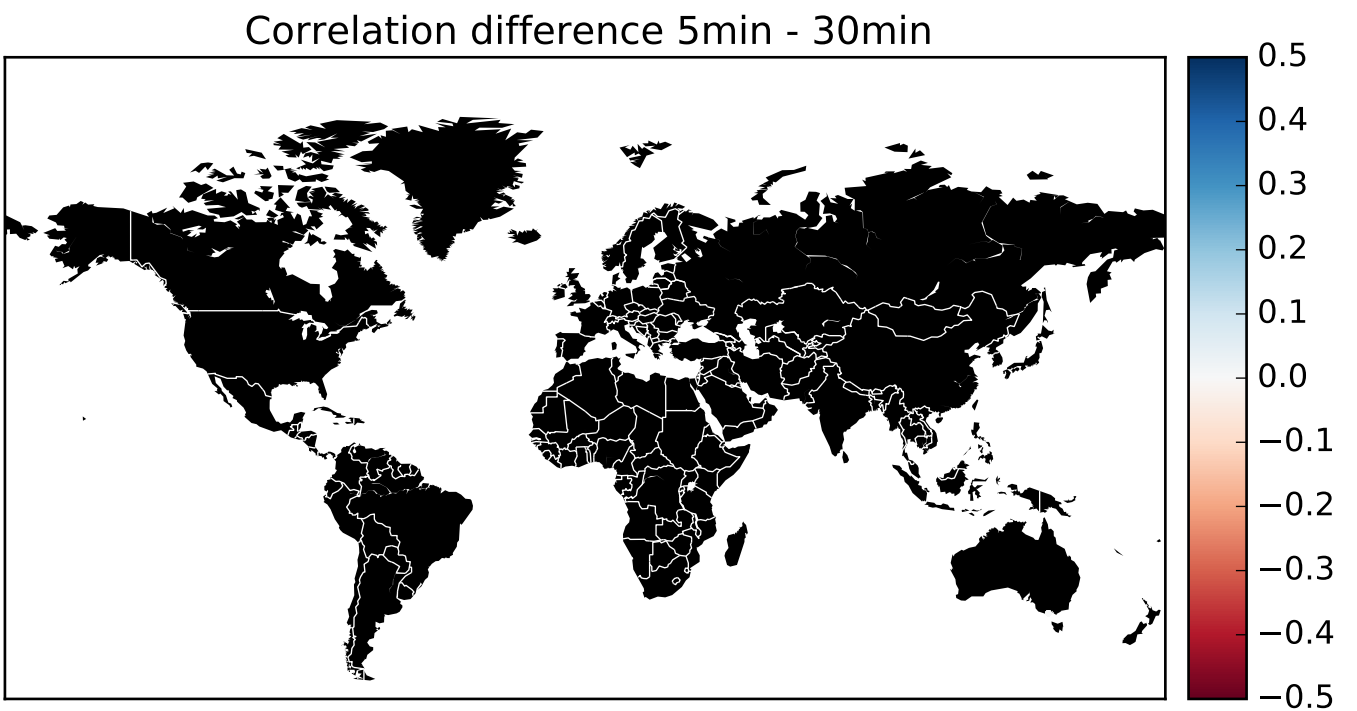
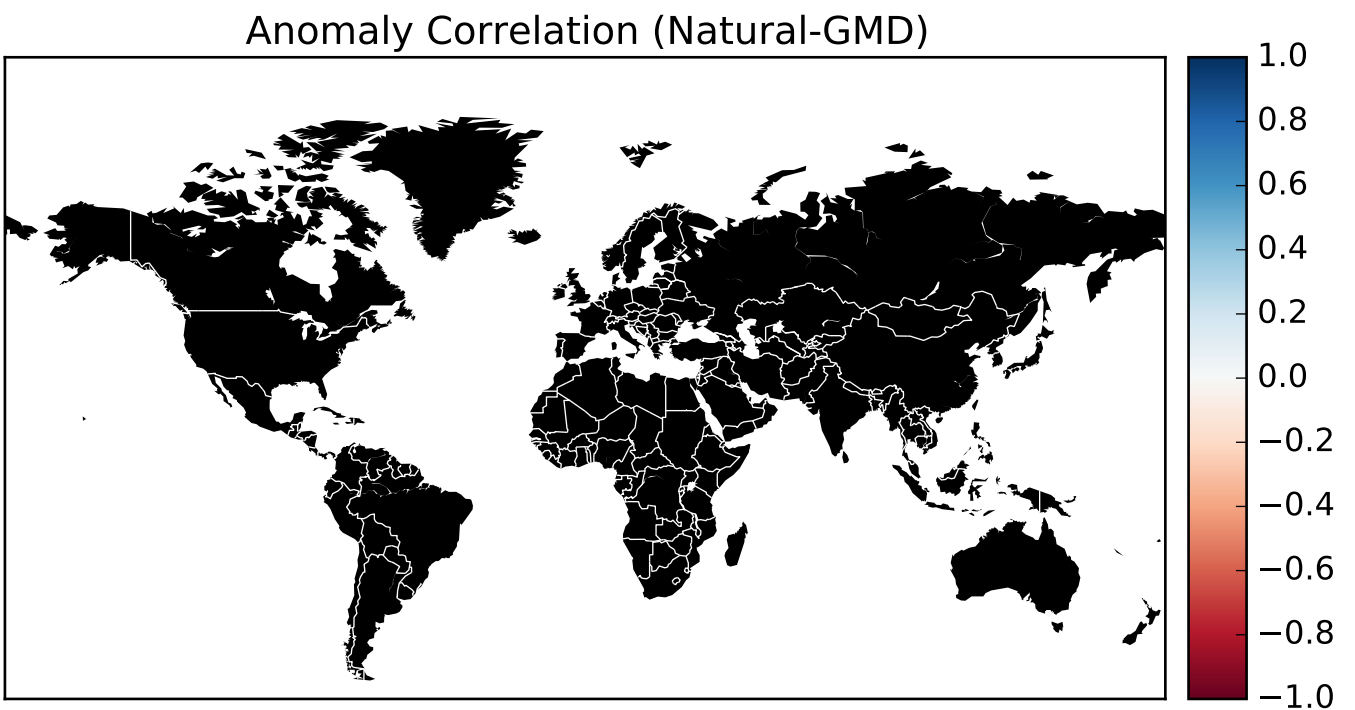
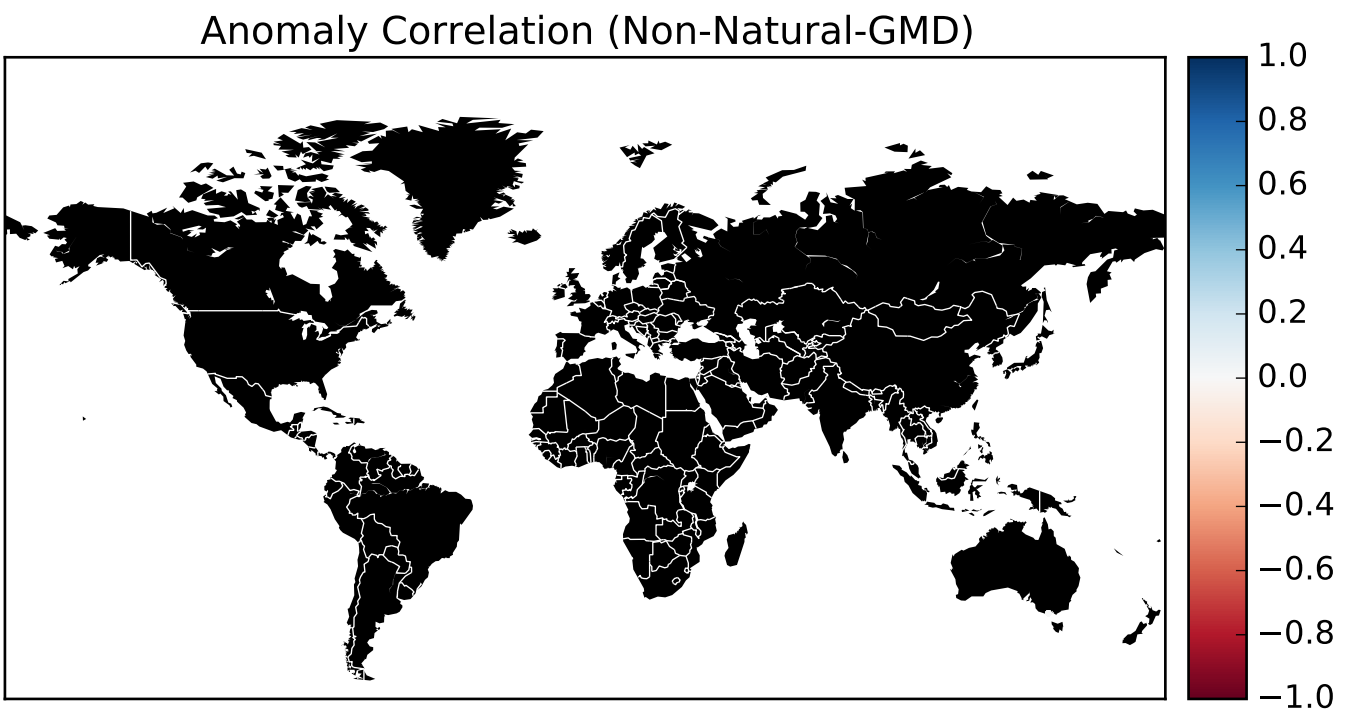
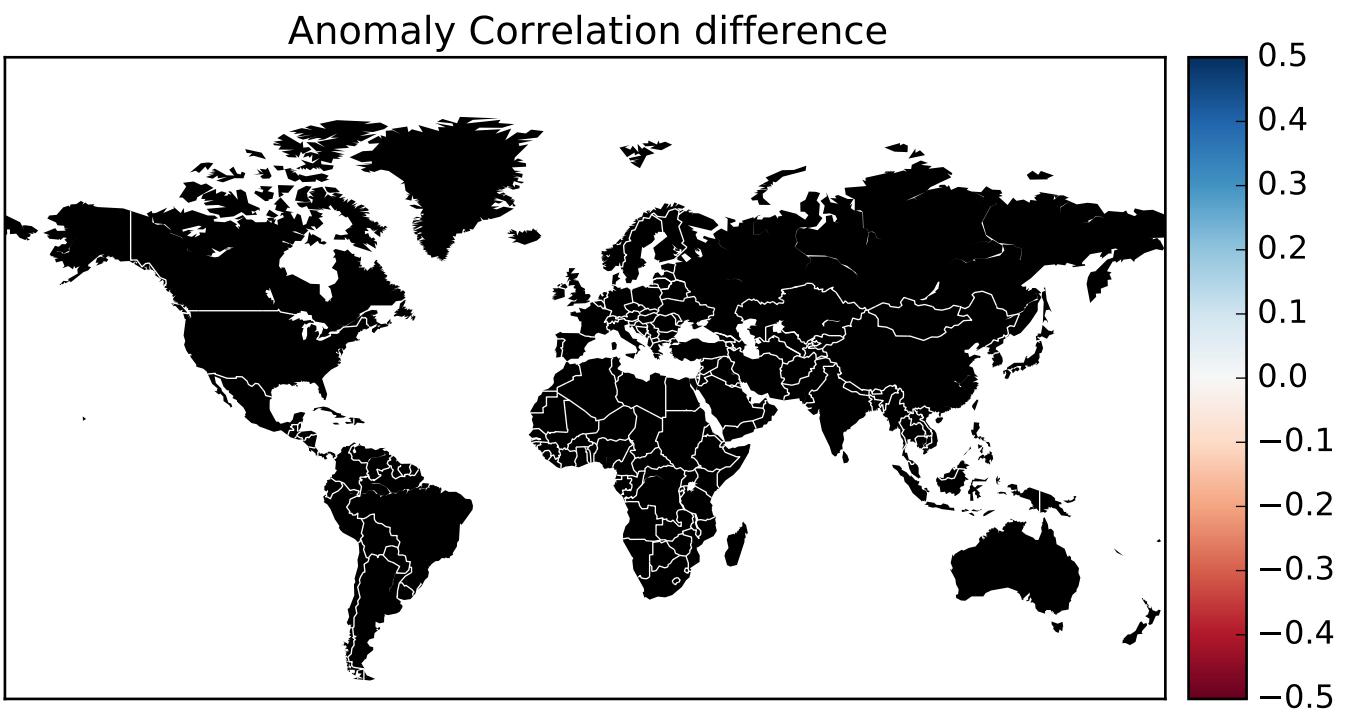

Correlation with observations (Natural-GMD)
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0

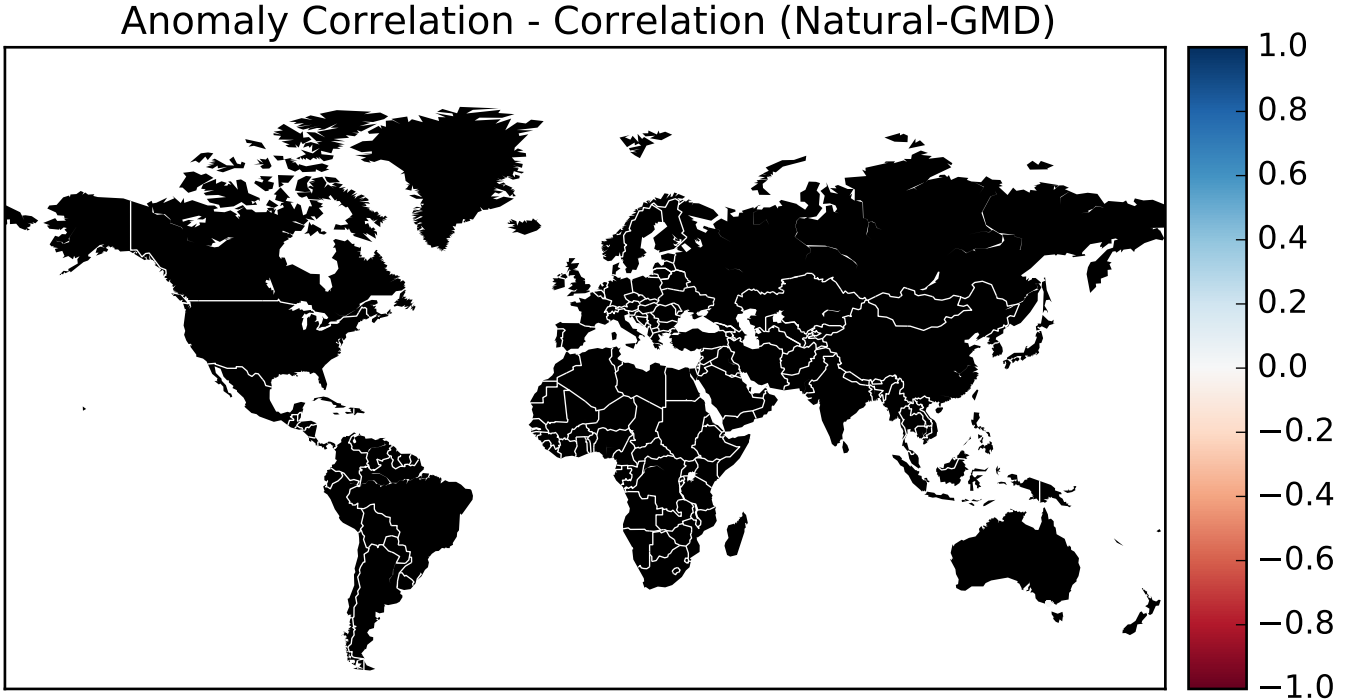

Correlation with observations (Non-Natural-GMD)
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0

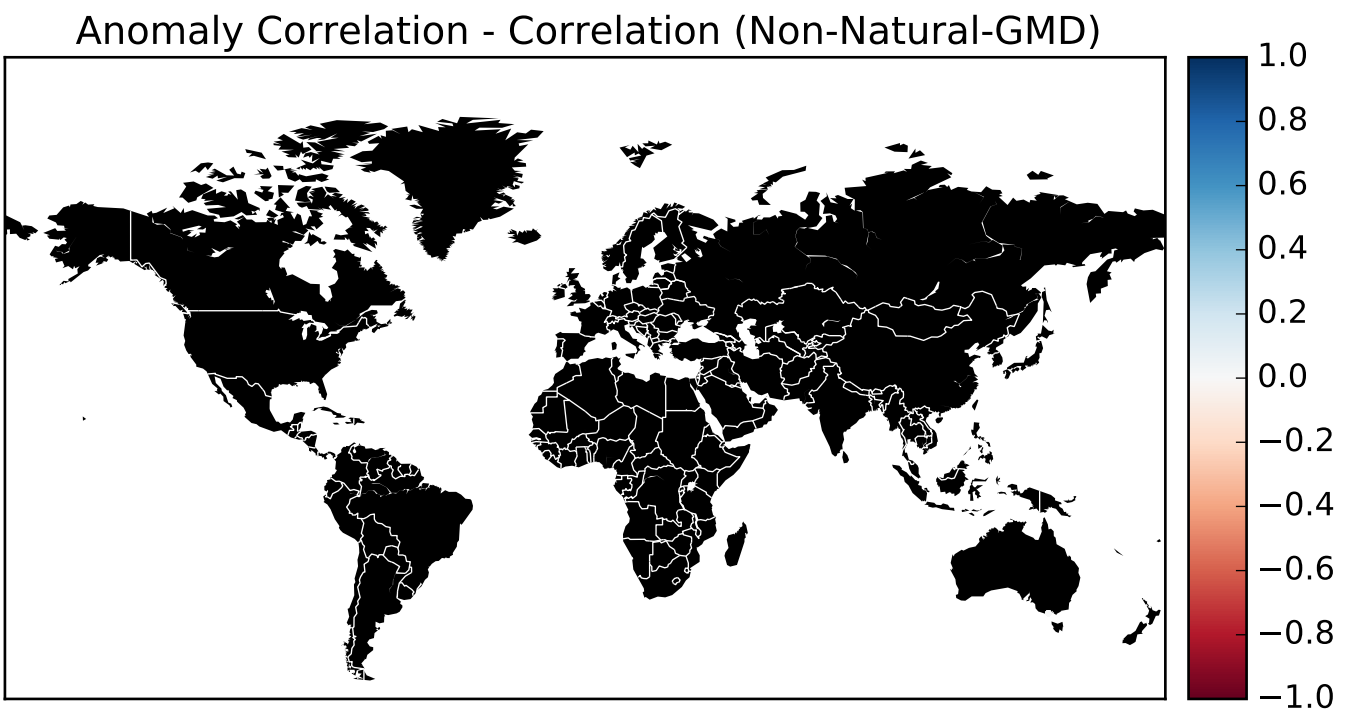

Correlation difference 5min - 30min
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.4
−0.5

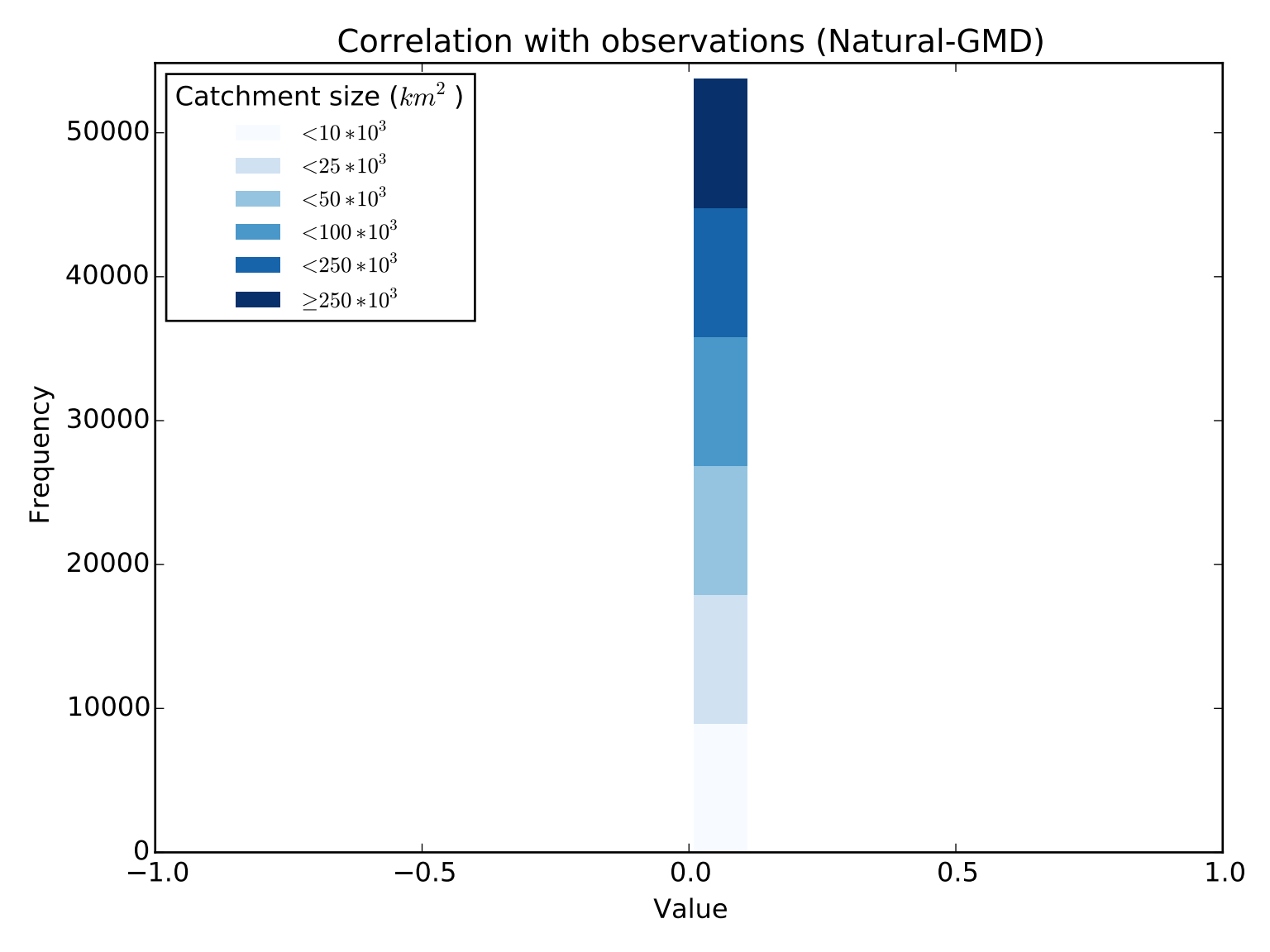

Anomaly Correlation (Natural-GMD)
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0

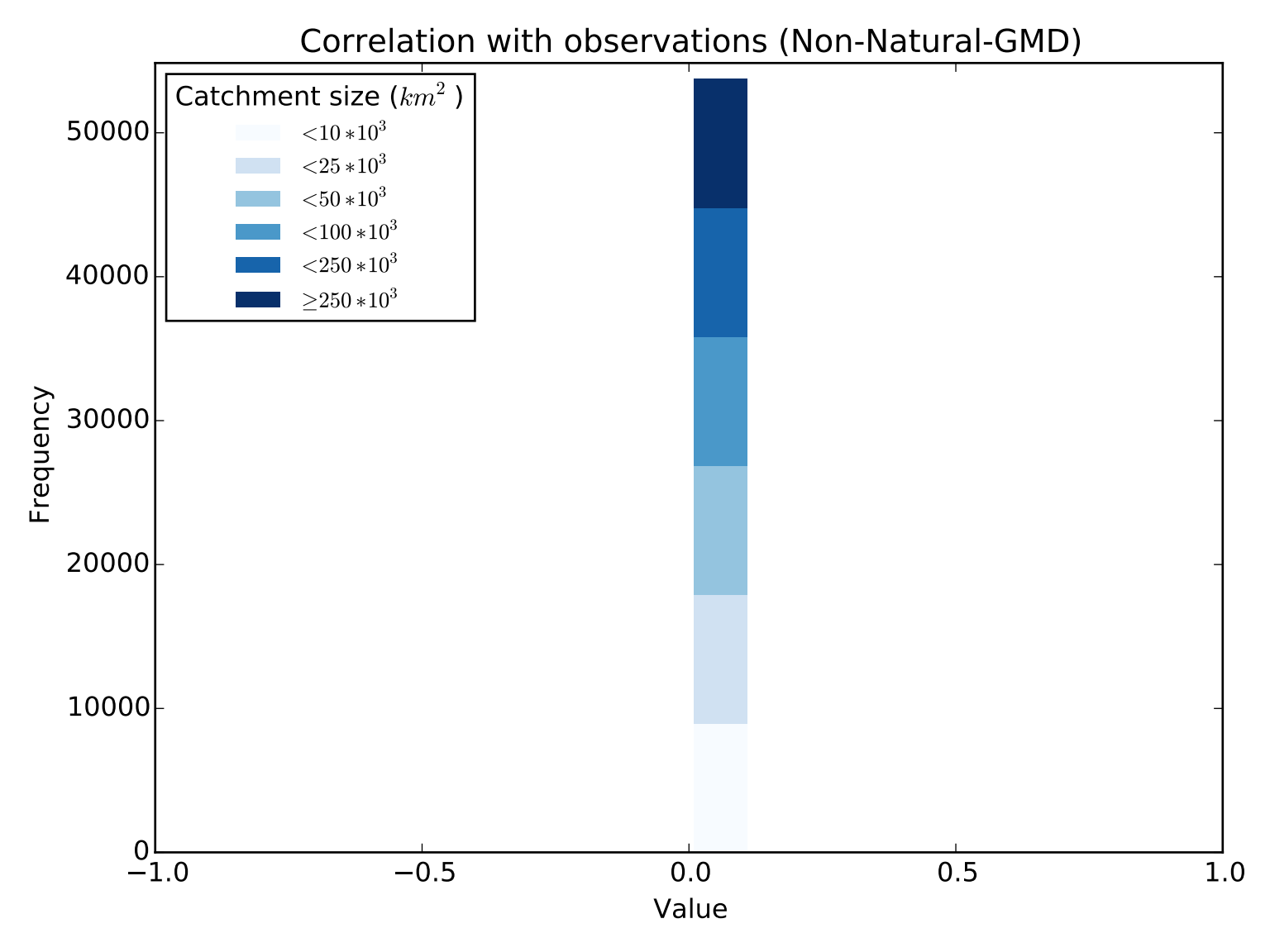

Anomaly Correlation (Non-Natural-GMD)
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0

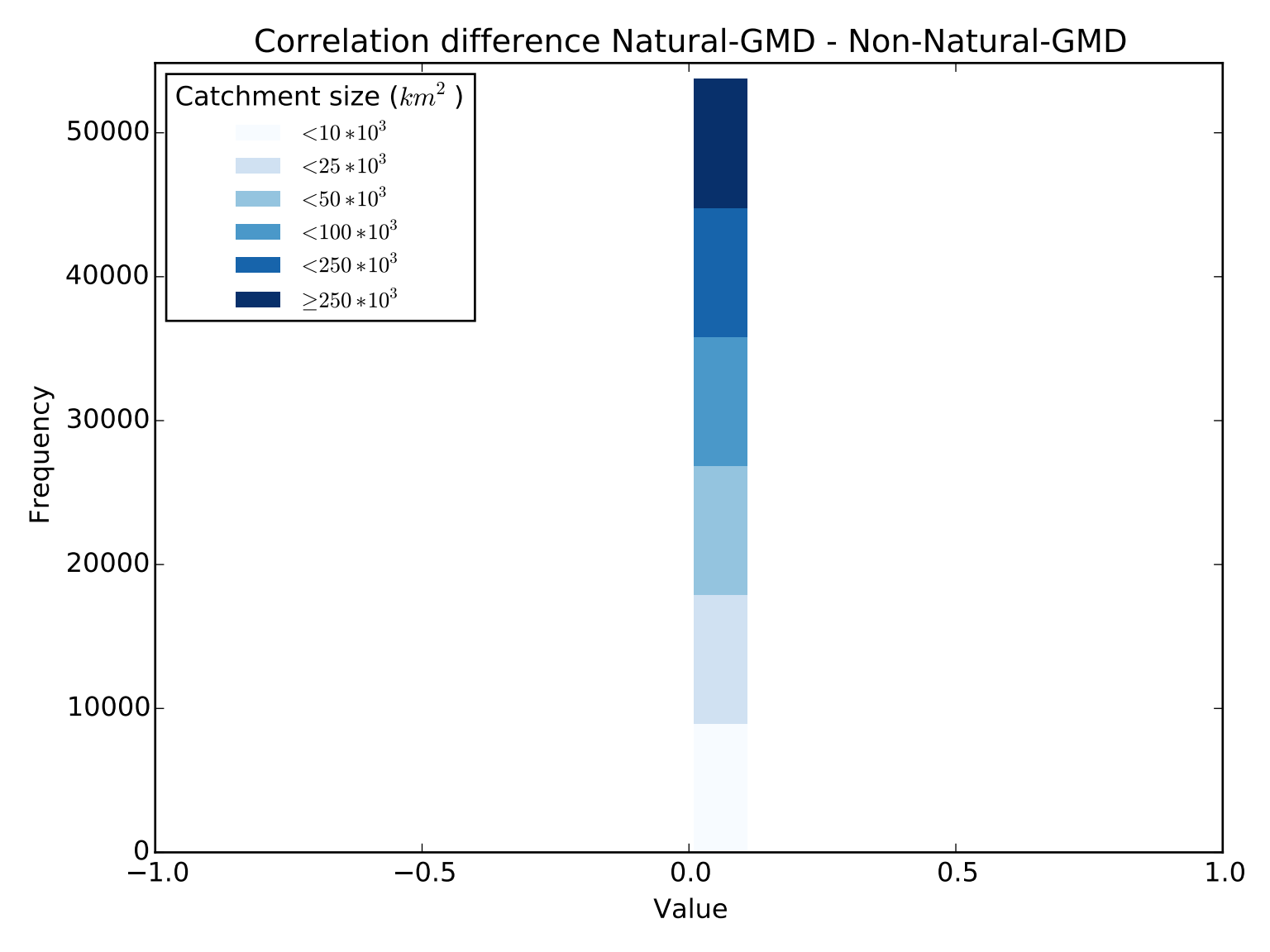

Anomaly Correlation difference
0.5
0.4
0.3
0.2
0.1
0.0
−0.1
−0.2
−0.3
−0.4
−0.5

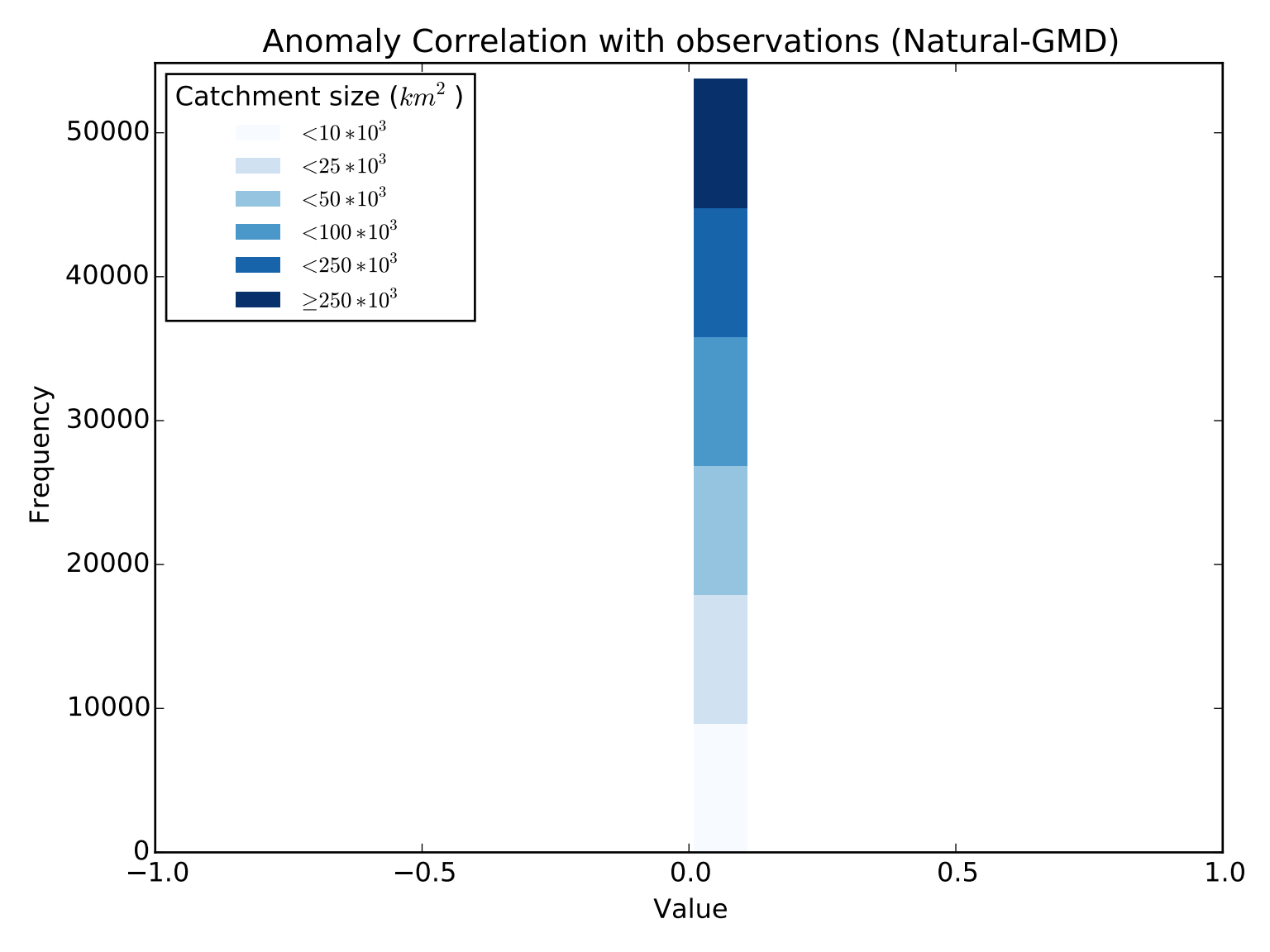

Anomaly Correlation - Correlation (Natural-GMD)
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0

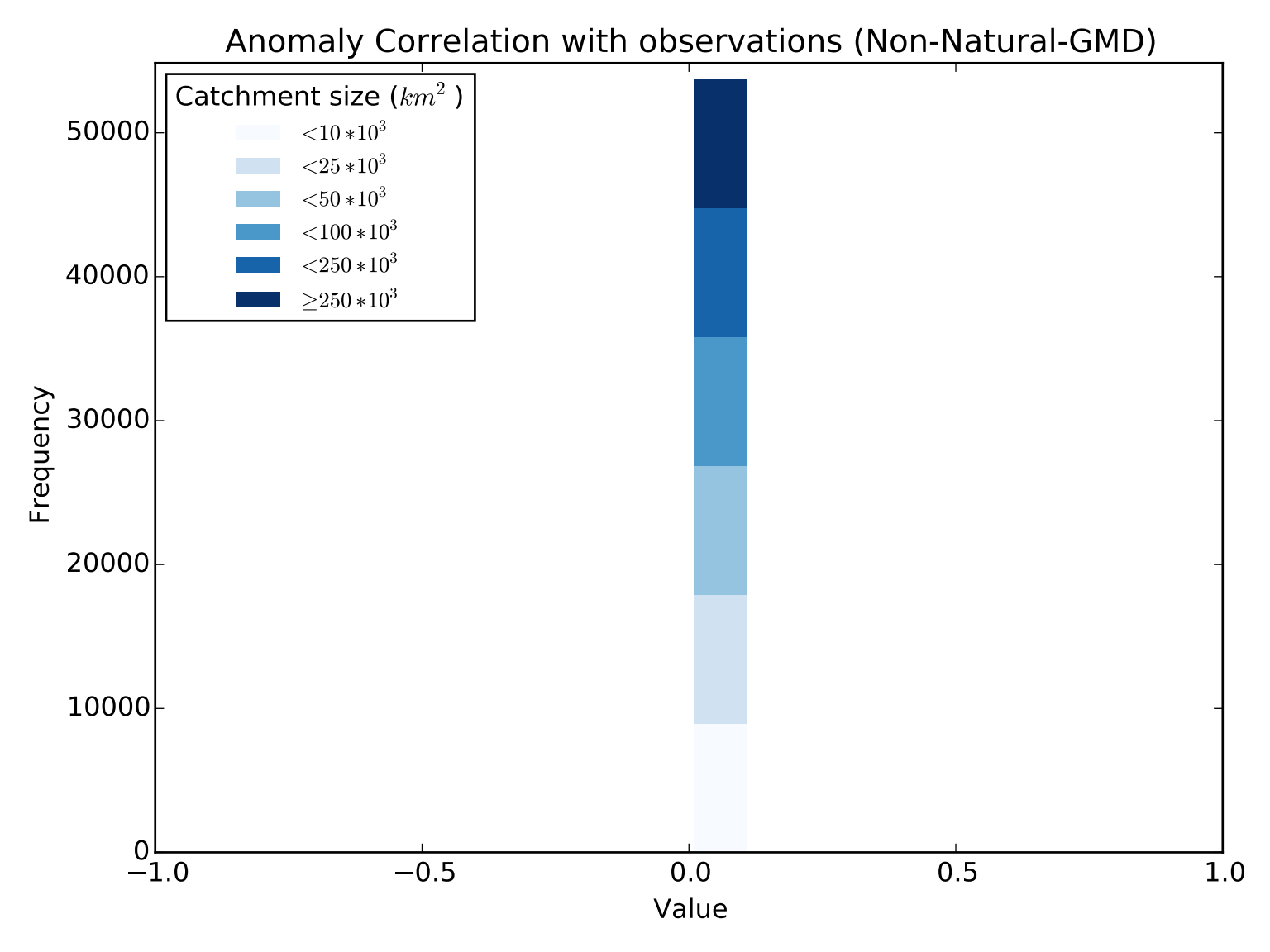

Anomaly Correlation - Correlation (Non-Natural-GMD)
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
−0.8
−1.0

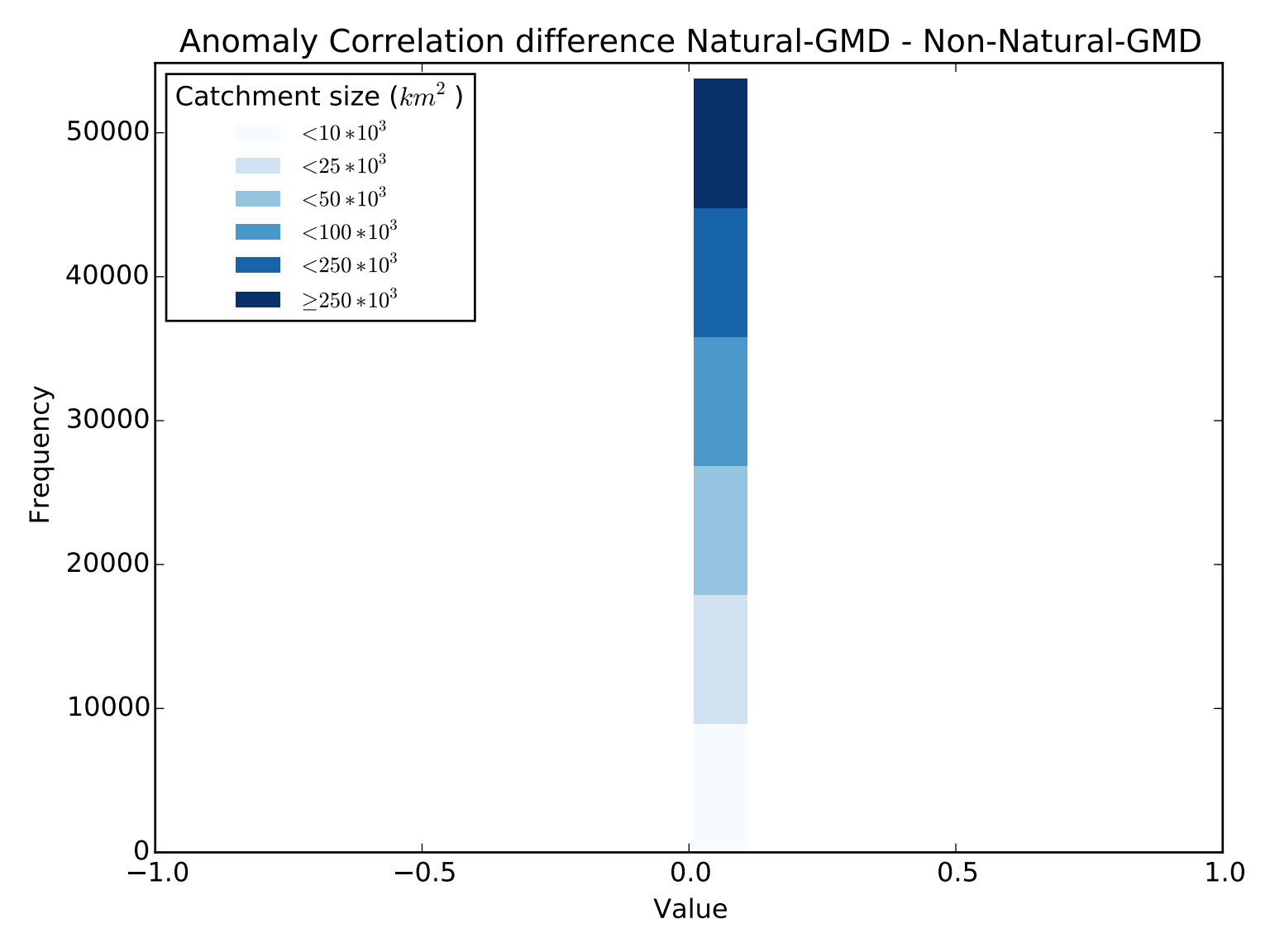

Correlation with observations (Natural-GMD)
Catchment size (km^2)
$<10*10^3$
$<25*10^3$
$<50*10^3$
$<100*10^3$
$<250*10^3$
$\geq 250*10^3$
Frequency
0
10000
20000
30000
40000
50000
−1.0
−0.5
0.0
0.5
1.0
Value

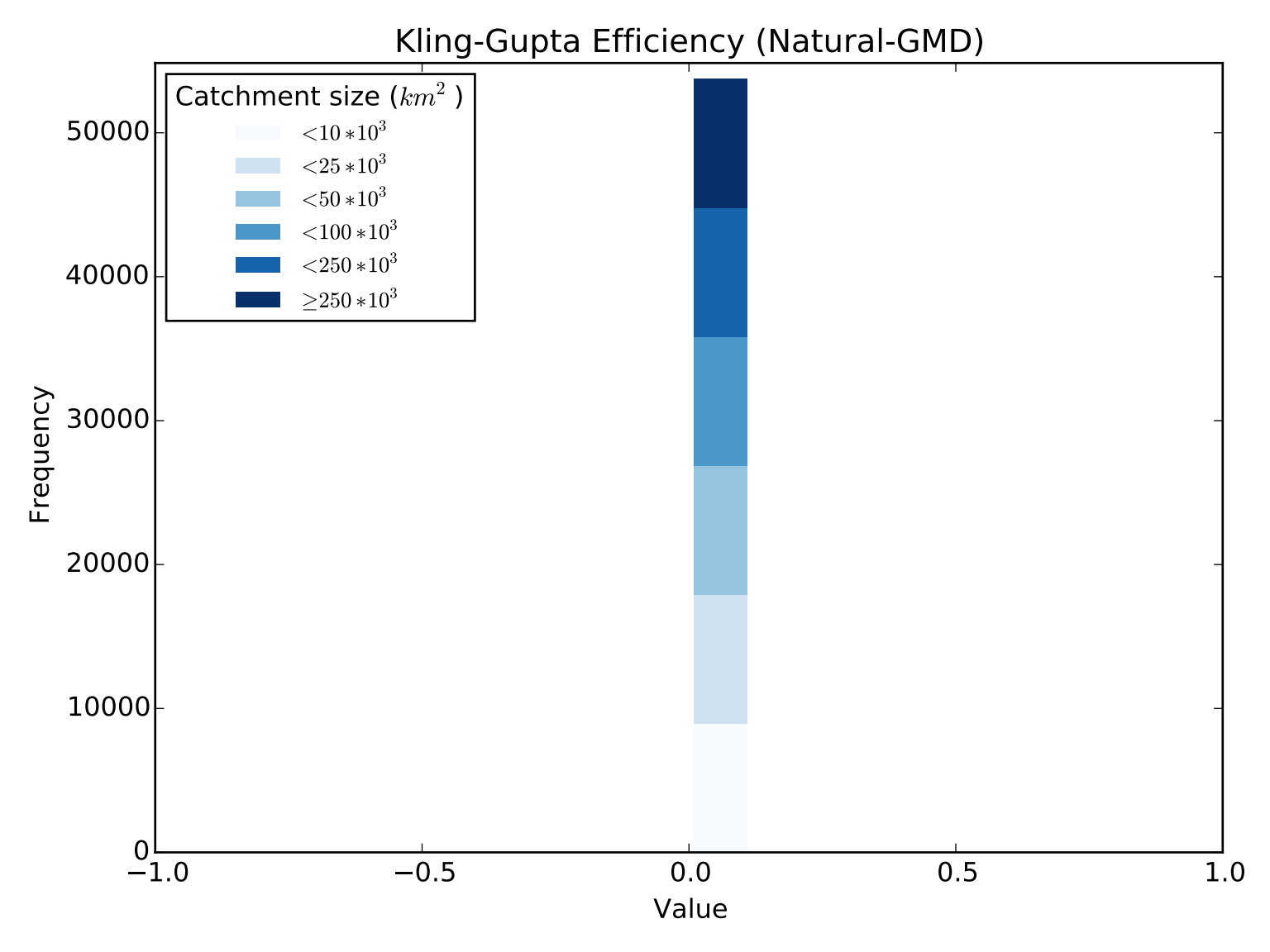

Correlation with observations (Non-Natural-GMD)
Catchment size (km^2)
$<10*10^3$
$<25*10^3$
$<50*10^3$
$<100*10^3$
$<250*10^3$
$\geq 250*10^3$
Frequency
0
10000
20000
30000
40000
50000
−1.0
−0.5
0.0
0.5
1.0
Value

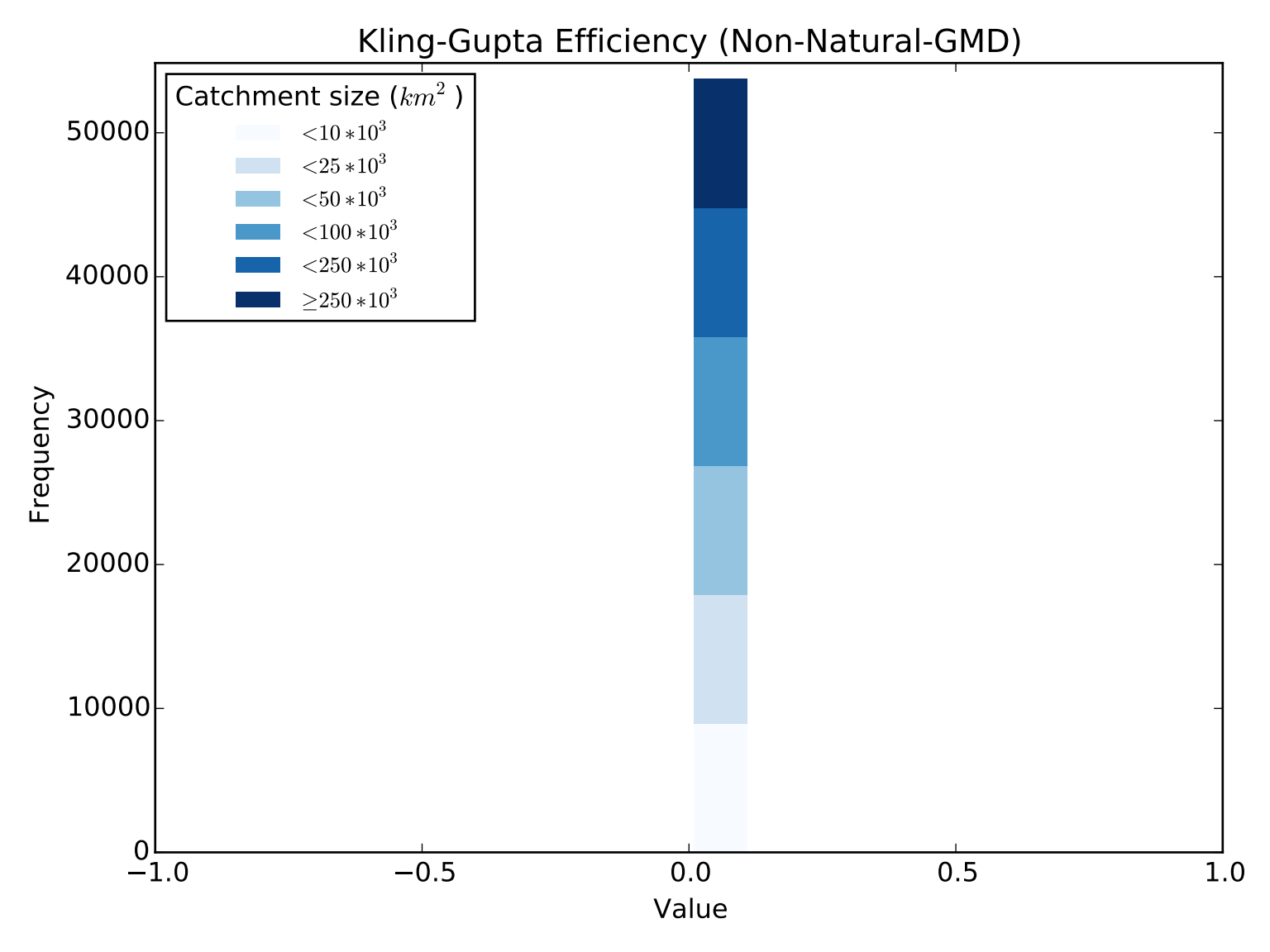

Correlation difference Natural-GMD - Non-Natural-GMD
Catchment size (km^2)
$<10*10^3$
$<25*10^3$
$<50*10^3$
$<100*10^3$
$<250*10^3$
$\geq 250*10^3$
Frequency
0
10000
20000
30000
40000
50000
−1.0
−0.5
0.0
0.5
1.0
Value

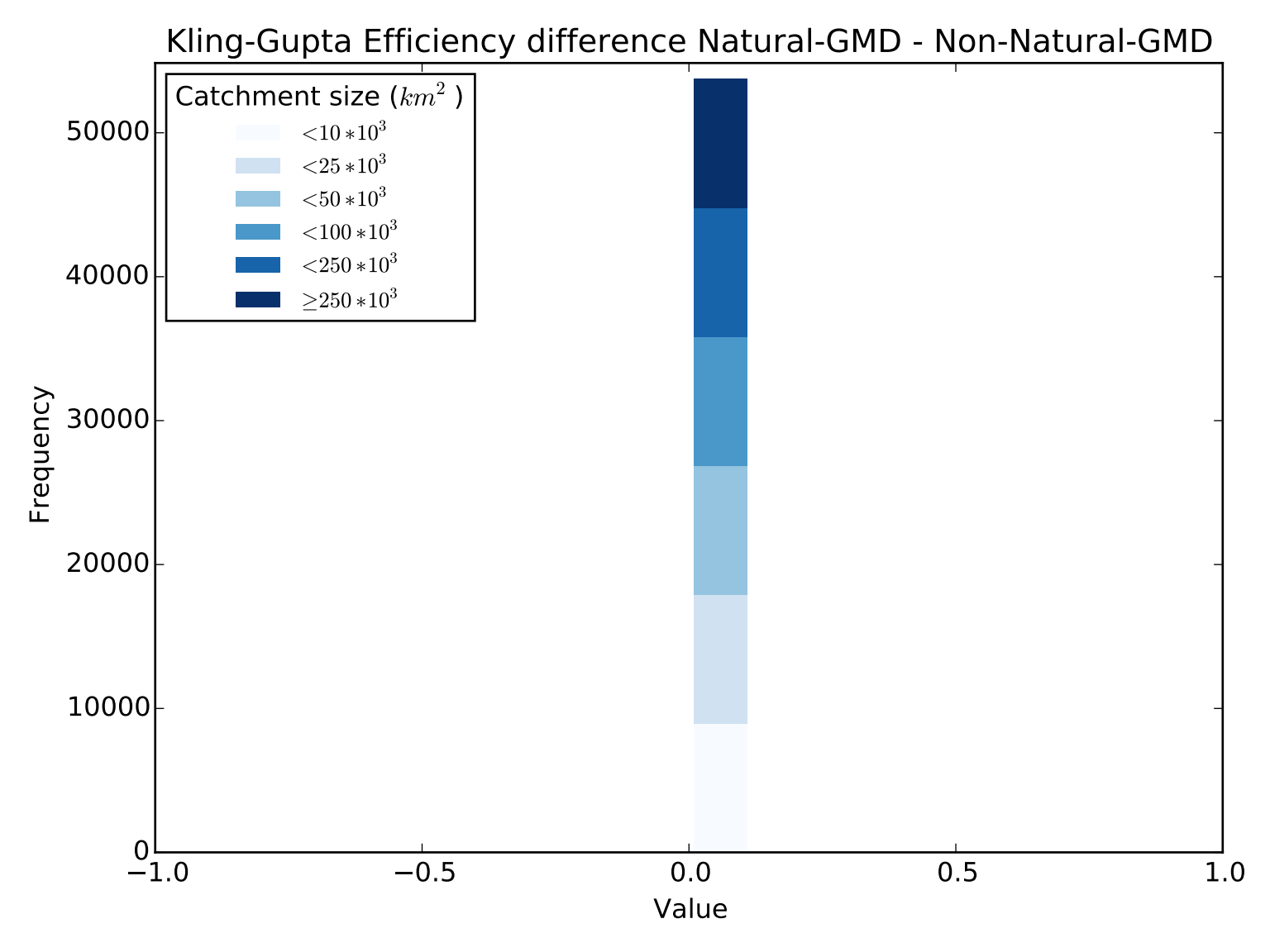

Anomaly Correlation with observations (Natural-GMD)
Catchment size (km^2)
$<10*10^3$
$<25*10^3$
$<50*10^3$
$<100*10^3$
$<250*10^3$
$\geq 250*10^3$
Frequency
0
10000
20000
30000
40000
50000
−1.0
−0.5
0.0
0.5
1.0
Value

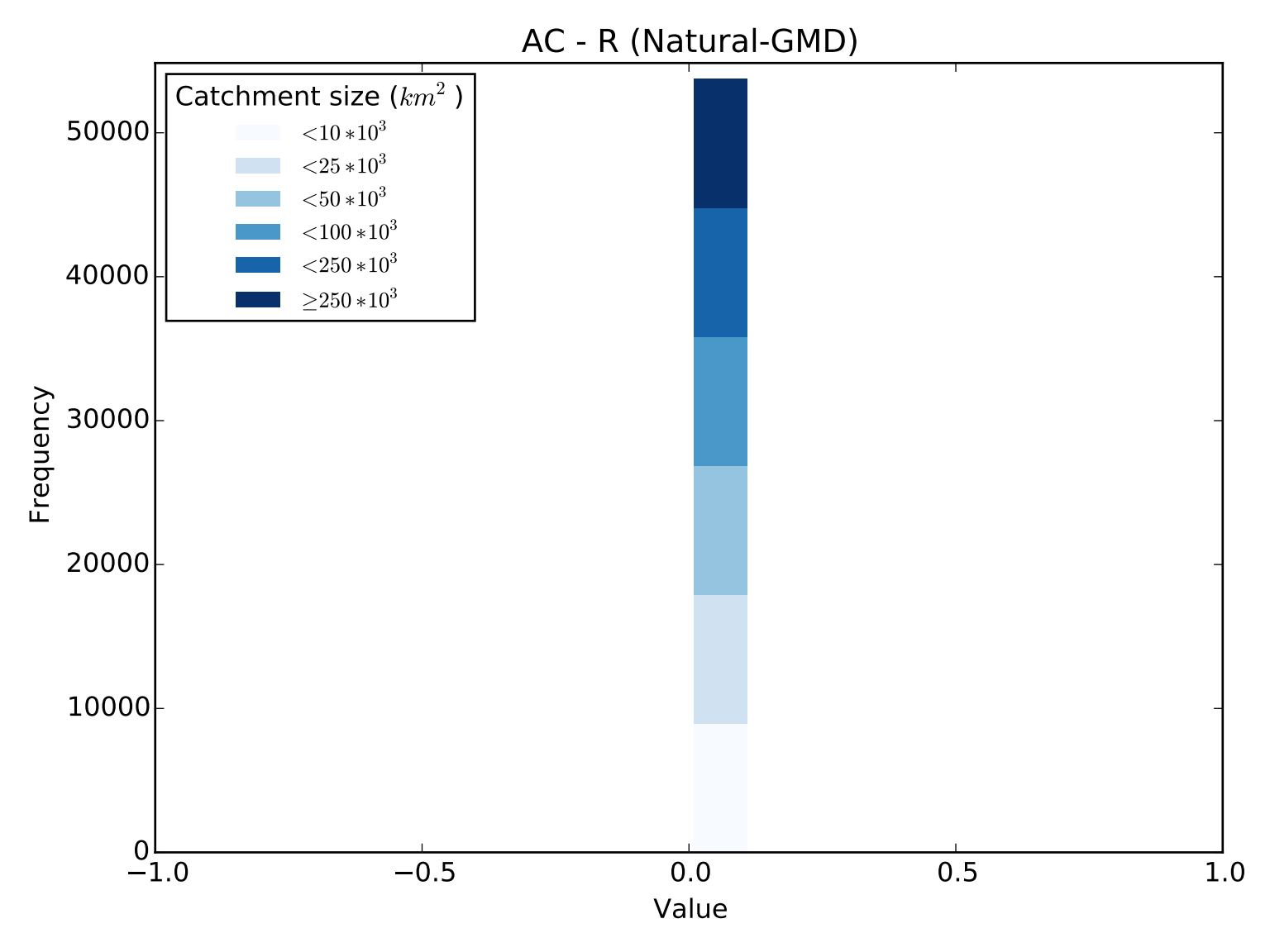

Anomaly Correlation with observations (Non-Natural-GMD)
Catchment size (km^2)
$<10*10^3$
$<25*10^3$
$<50*10^3$
$<100*10^3$
$<250*10^3$
$\geq 250*10^3$
Frequency
0
10000
20000
30000
40000
50000
−1.0
−0.5
0.0
0.5
1.0
Value

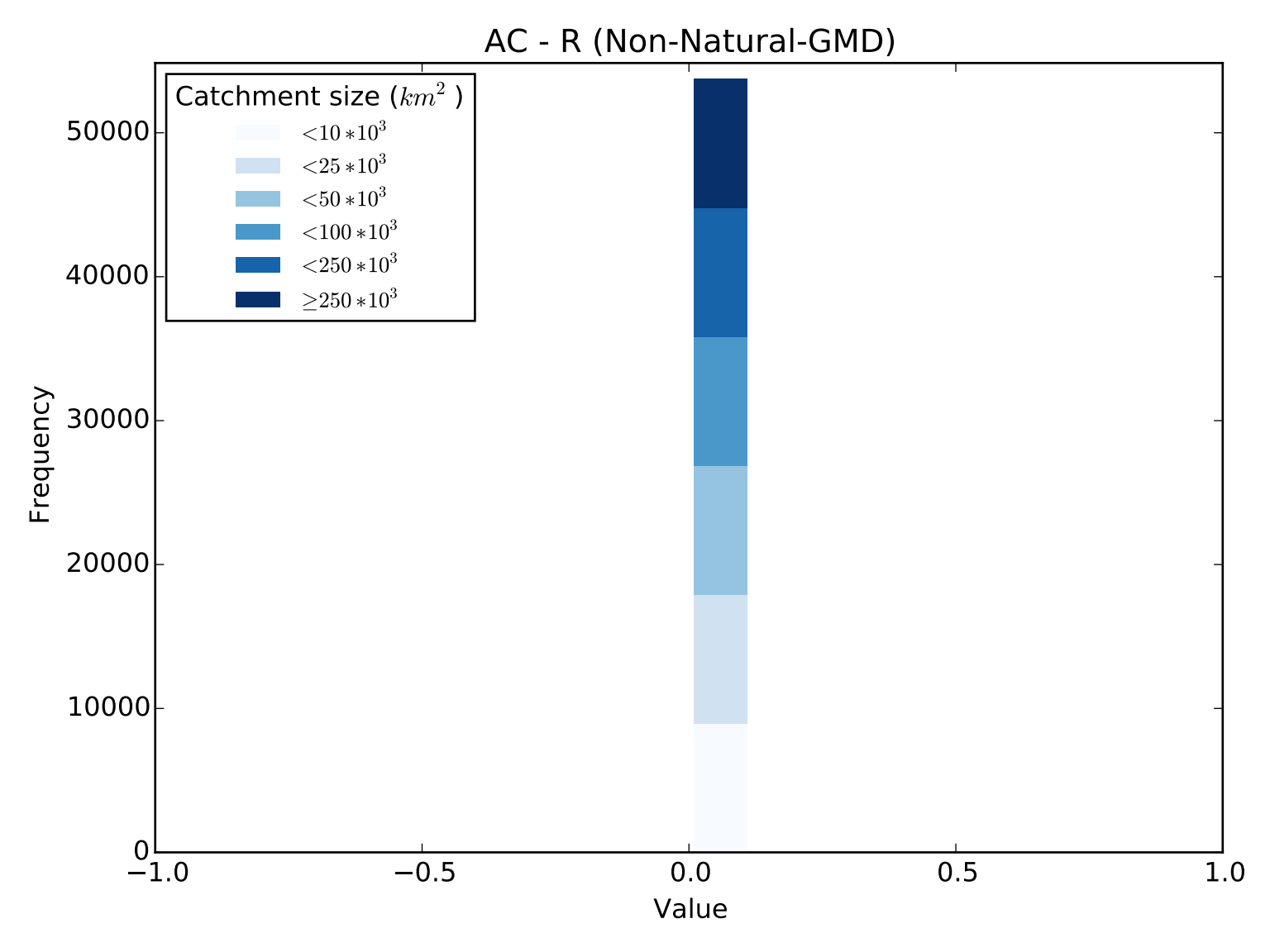

Anomaly Correlation difference Natural-GMD - Non-Natural-GMD
Catchment size (km^2)
$<10*10^3$
$<25*10^3$
$<50*10^3$
$<100*10^3$
$<250*10^3$
$\geq 250*10^3$
Frequency
0
10000
20000
30000
40000
50000
−1.0
−0.5
0.0
0.5
1.0
Value

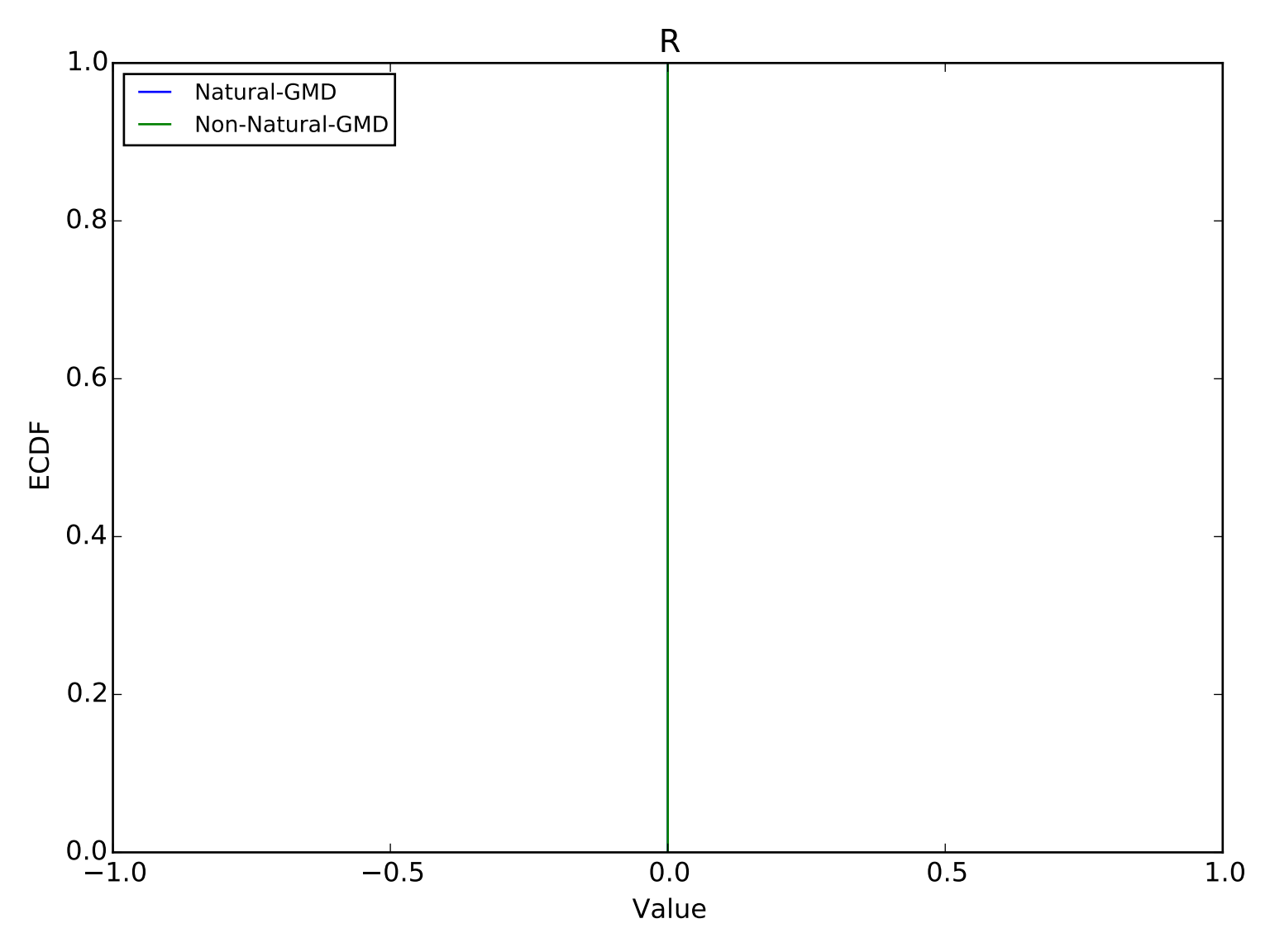

Kling-Gupta Efficiency (Natural-GMD)
Catchment size (km^2)
$<10*10^3$
$<25*10^3$
$<50*10^3$
$<100*10^3$
$<250*10^3$
$\geq 250*10^3$
Frequency
0
10000
20000
30000
40000
50000
−1.0
−0.5
0.0
0.5
1.0
Value

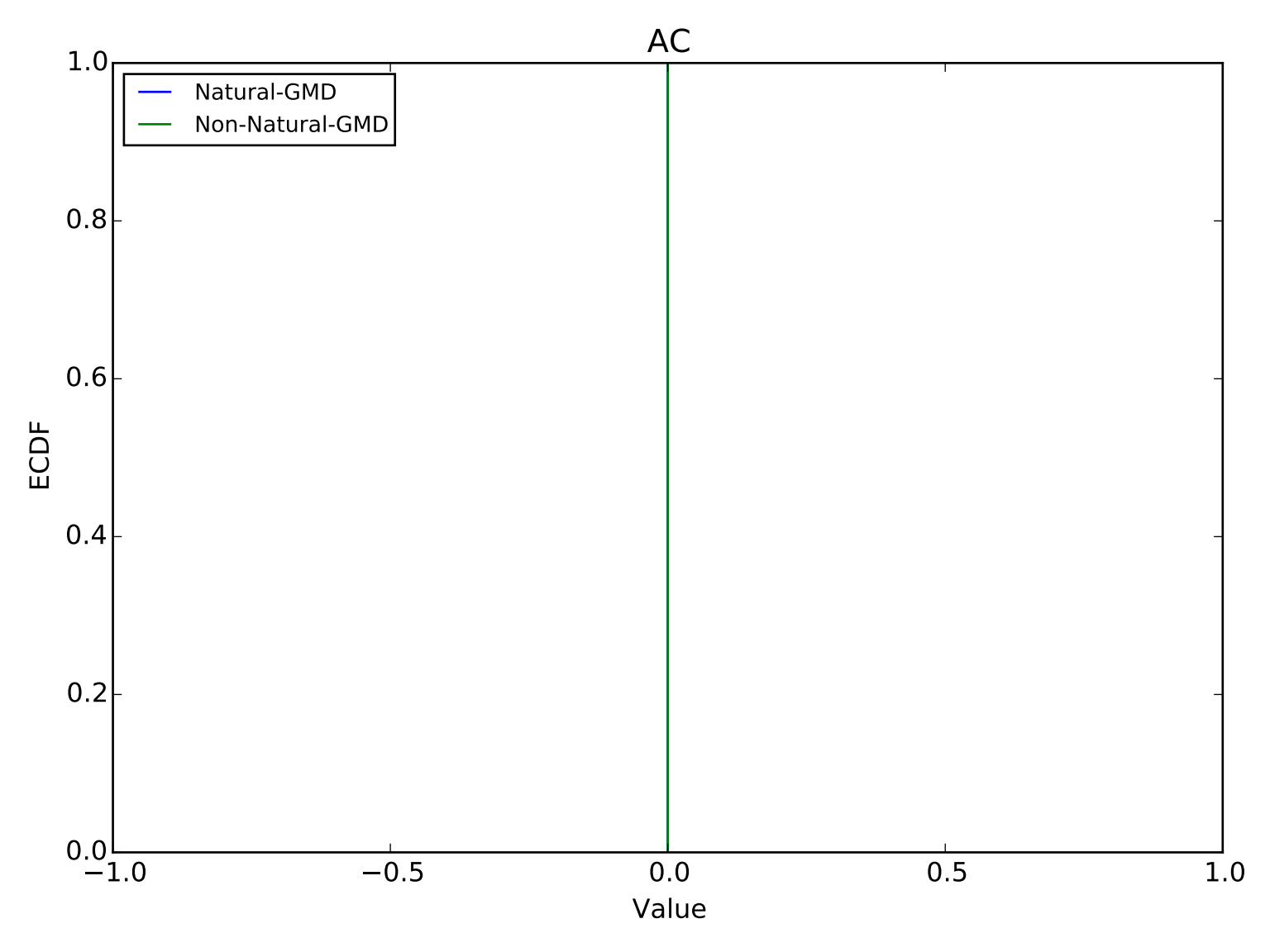

Kling-Gupta Efficiency (Non-Natural-GMD)
Catchment size (km^2)
$<10*10^3$
$<25*10^3$
$<50*10^3$
$<100*10^3$
$<250*10^3$
$\geq 250*10^3$
Frequency
0
10000
20000
30000
40000
50000
−1.0
−0.5
0.0
0.5
1.0
Value

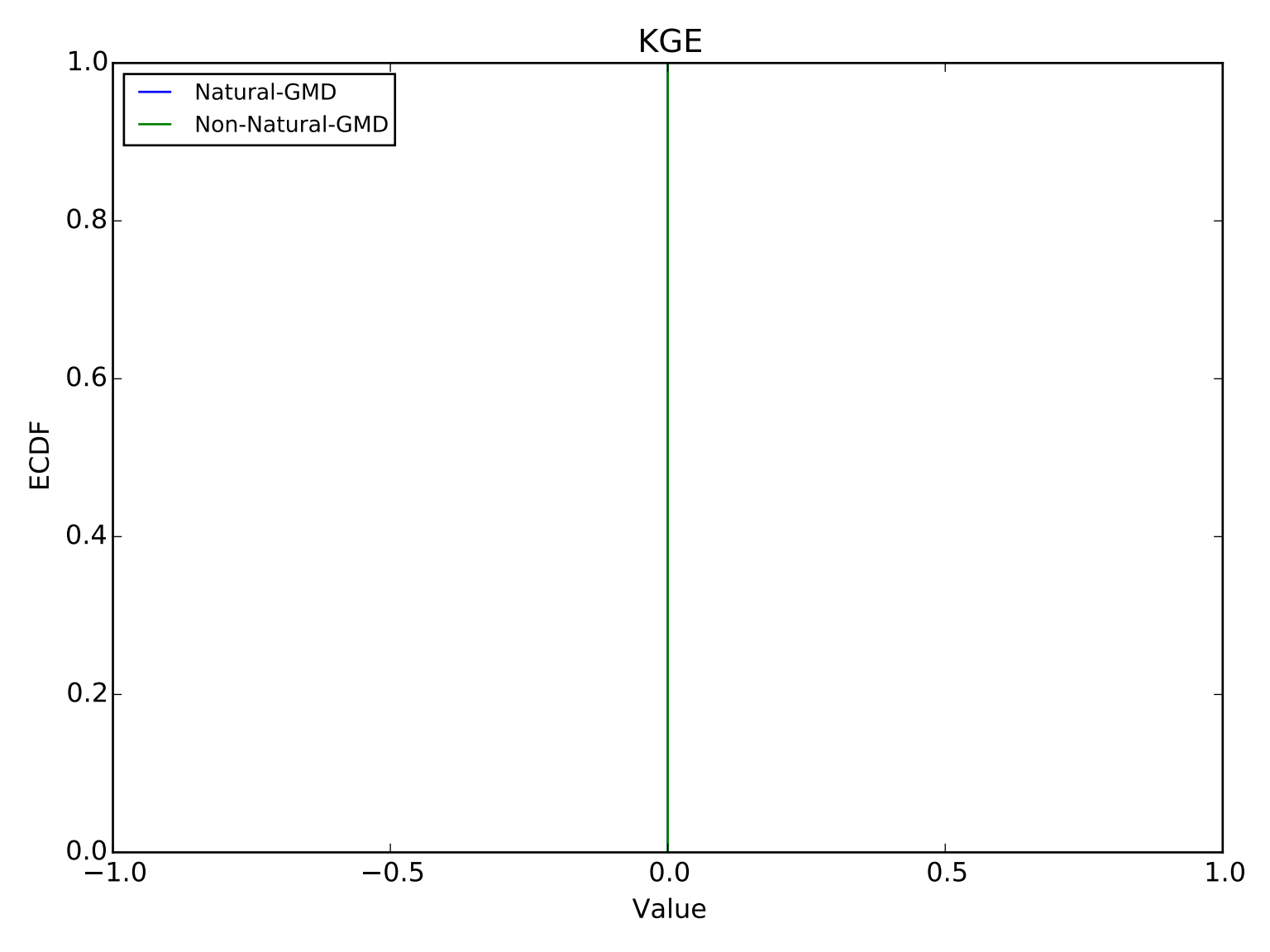

Kling-Gupta Efficiency difference Natural-GMD - Non-Natural-GMD
Catchment size (km^2)
$<10*10^3$
$<25*10^3$
$<50*10^3$
$<100*10^3$
$<250*10^3$
$\geq 250*10^3$
Frequency
0
10000
20000
30000
40000
50000
−1.0
−0.5
0.0
0.5
1.0
Value


AC - R (Natural-GMD)
Catchment size (km^2)
$<10*10^3$
$<25*10^3$
$<50*10^3$
$<100*10^3$
$<250*10^3$
$\geq 250*10^3$
Frequency
0
10000
20000
30000
40000
50000
−1.0
−0.5
0.0
0.5
1.0
Value


AC - R (Non-Natural-GMD)
Catchment size (km^2)
$<10*10^3$
$<25*10^3$
$<50*10^3$
$<100*10^3$
$<250*10^3$
$\geq 250*10^3$
Frequency
0
10000
20000
30000
40000
50000
−1.0
−0.5
0.0
0.5
1.0
Value


R
Natural-GMD
Non-Natural-GMD
ECDF
Value
1.0
0.8
0.6
0.4
0.2
0.0
−1.0
−0.5
0.0
0.5
1.0


AC
Natural-GMD
Non-Natural-GMD
ECDF
Value
1.0
0.8
0.6
0.4
0.2
0.0
−1.0
−0.5
0.0
0.5
1.0


KGE
Natural-GMD
Non-Natural-GMD
ECDF
1.0
0.8
0.6
0.4
0.2
0.0
−1.0
−0.5
0.0
0.5
1.0
Value