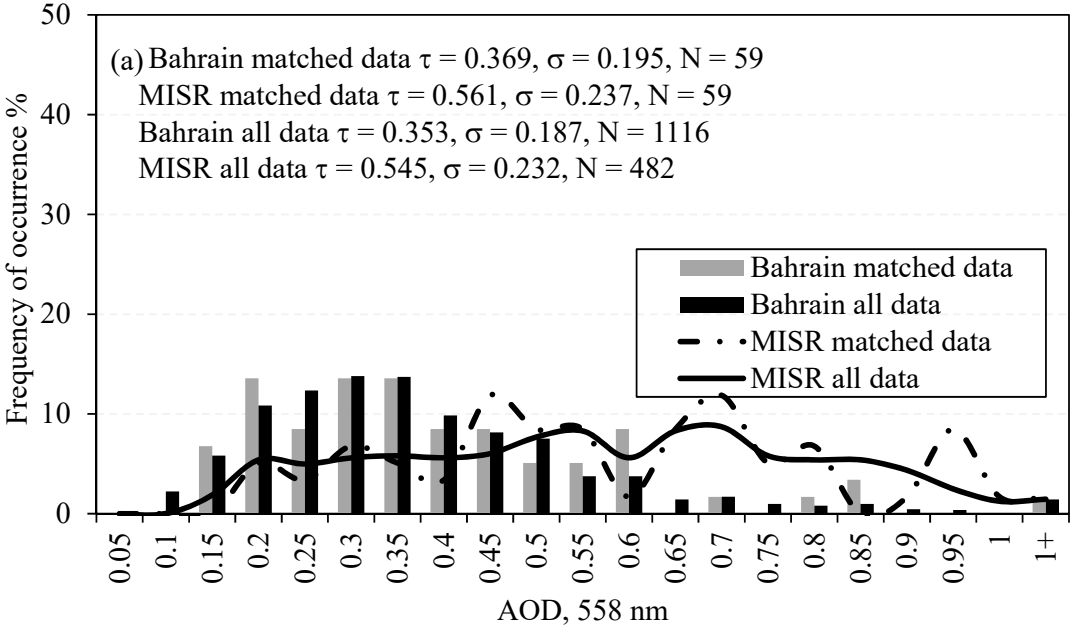
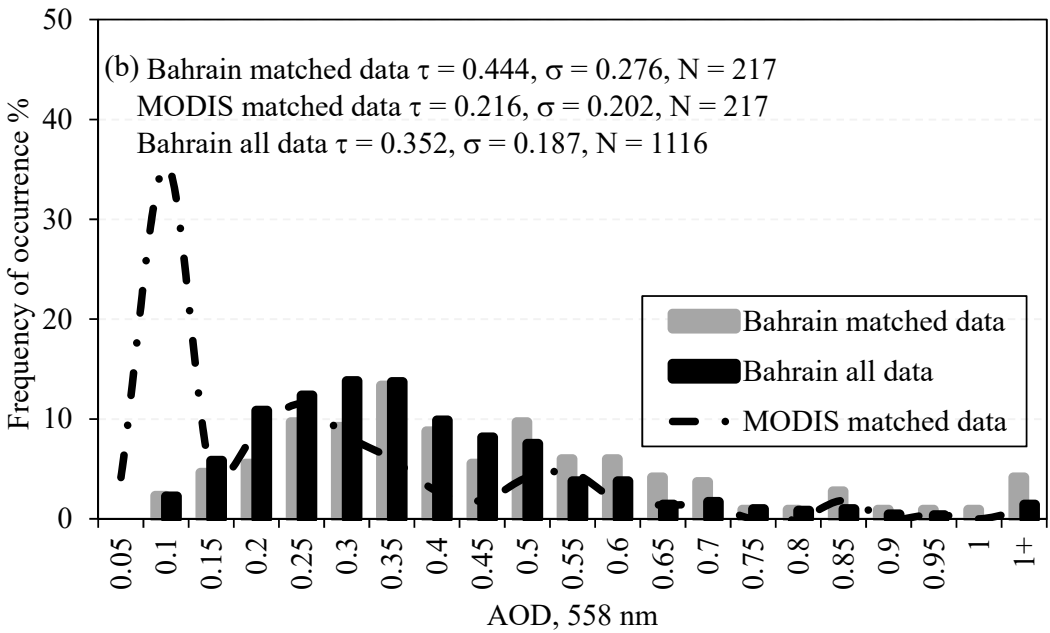

(a) Bahrain matched data τ = 0.369, σ = 0.195, N = 59
MISR matched data τ = 0.561, σ = 0.237, N = 59
Bahrain all data τ = 0.353, σ = 0.187, N = 1116
MISR all data τ = 0.545, σ = 0.232, N = 482
Bahrain matched data
Bahrain all data
MISR matched data
MISR all data
Frequency of occurrence %
0
10
20
30
40
50
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
0.55
0.6
0.65
0.7
0.75
0.8
0.85
0.9
0.95
1
1+
AOD, 558 nm


(b) Bahrain matched data τ = 0.444, σ = 0.276, N = 217
MODIS matched data τ = 0.216, σ = 0.202, N = 217
Bahrain all data τ = 0.352, σ = 0.187, N = 1116
Bahrain matched data
Bahrain all data
MODIS matched data
Frequency of occurrence %
0
10
20
30
40
50
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
0.45
0.5
0.55
0.6
0.65
0.7
0.75
0.8
0.85
0.9
0.95
1
1+
AOD, 558 nm