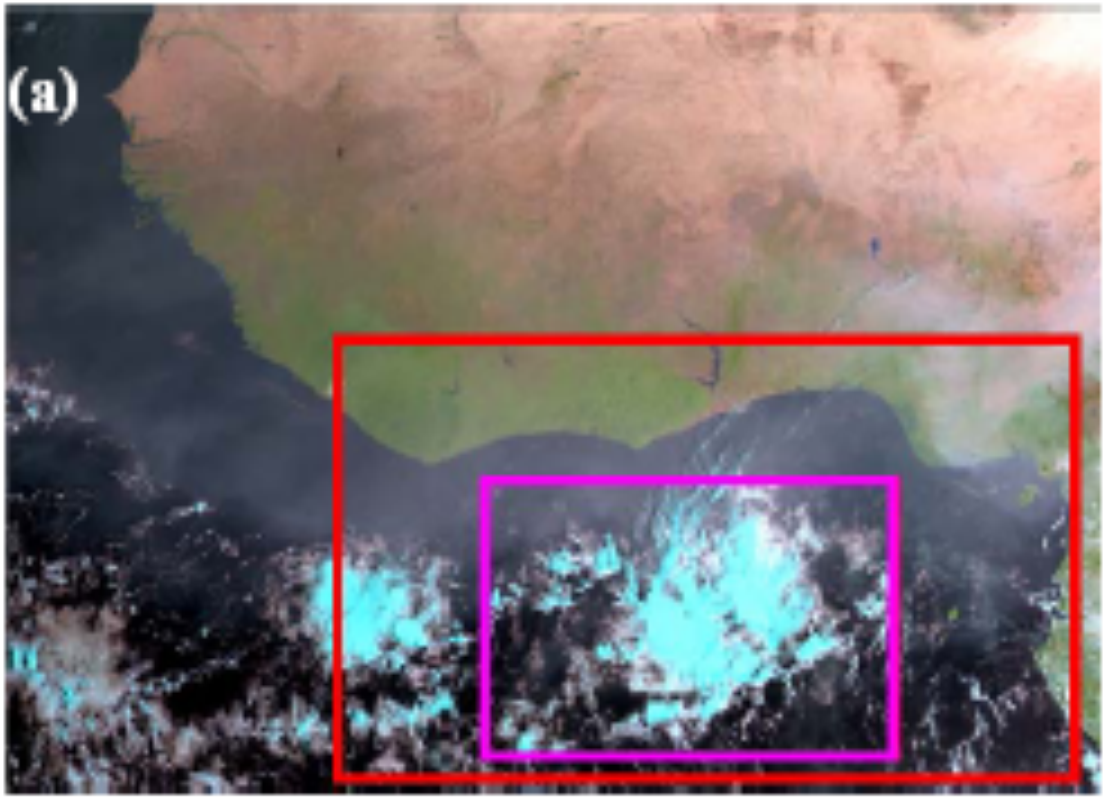
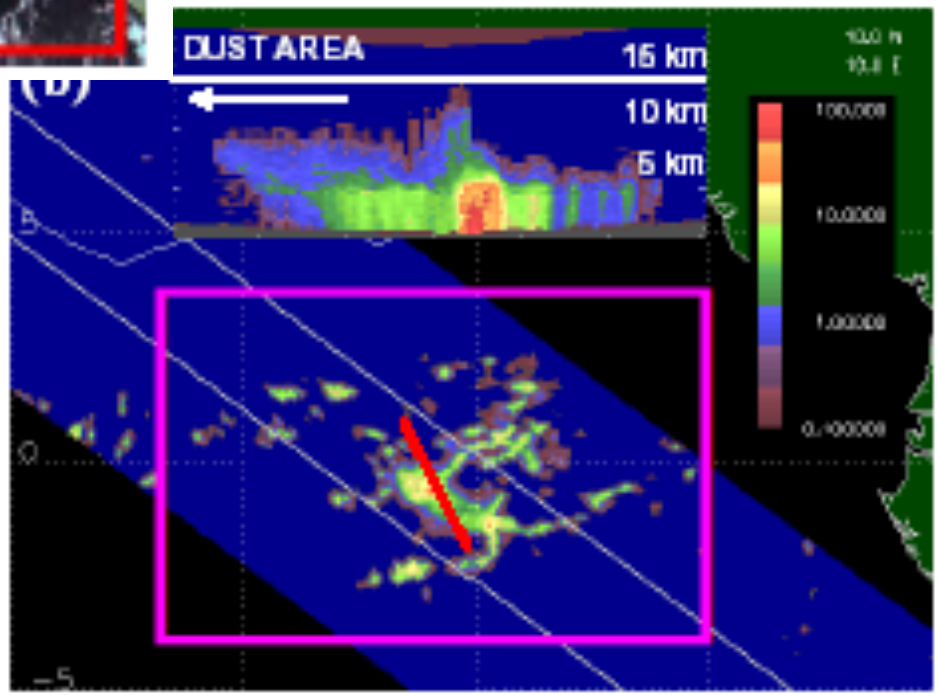
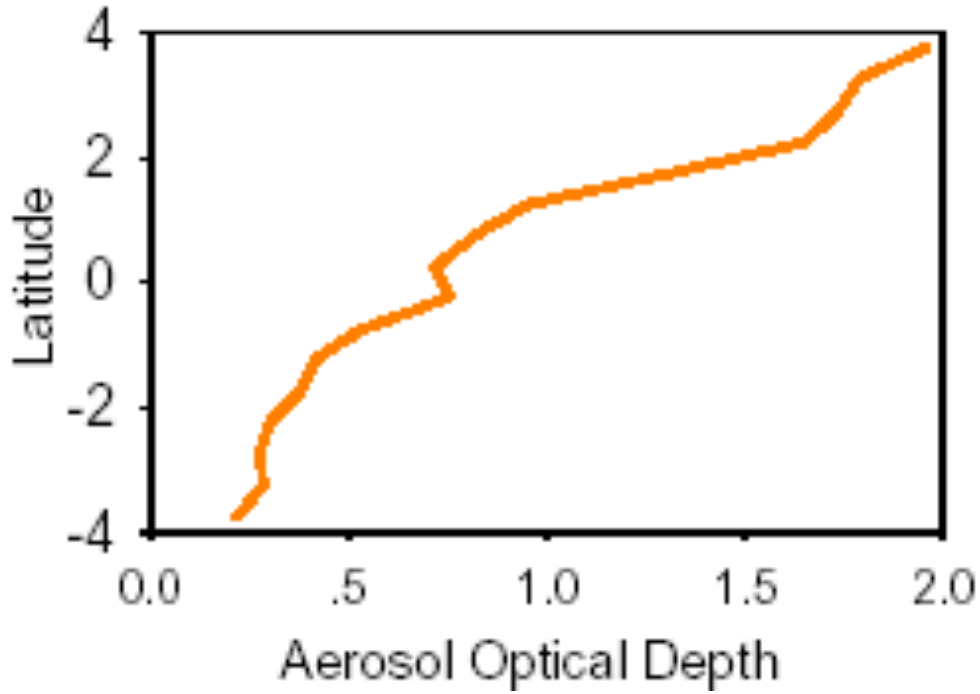
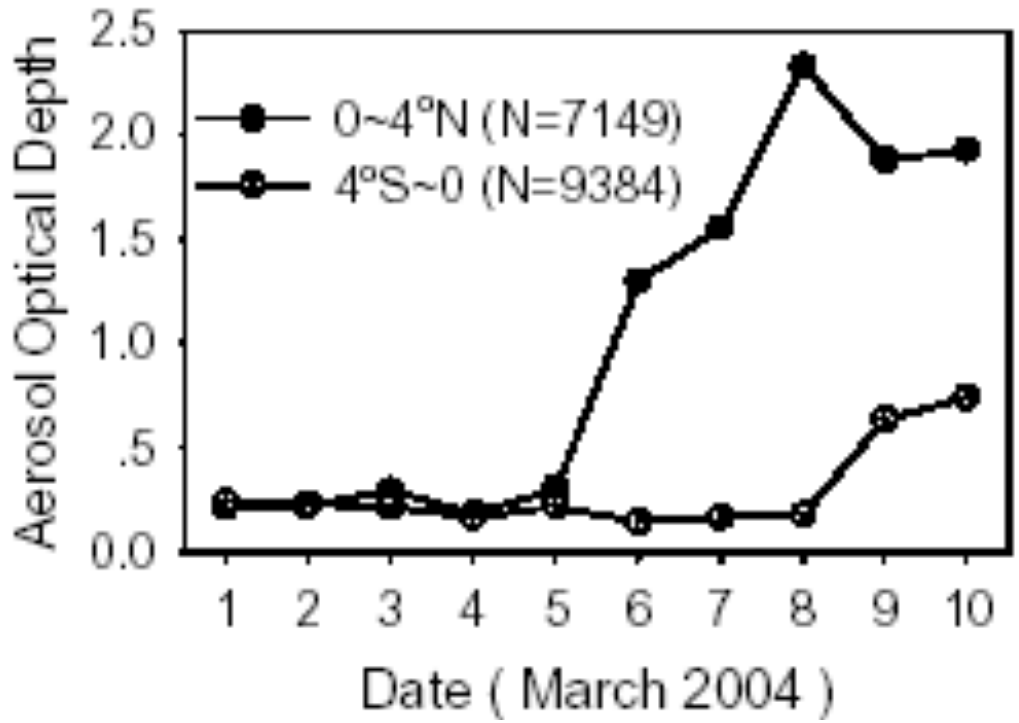
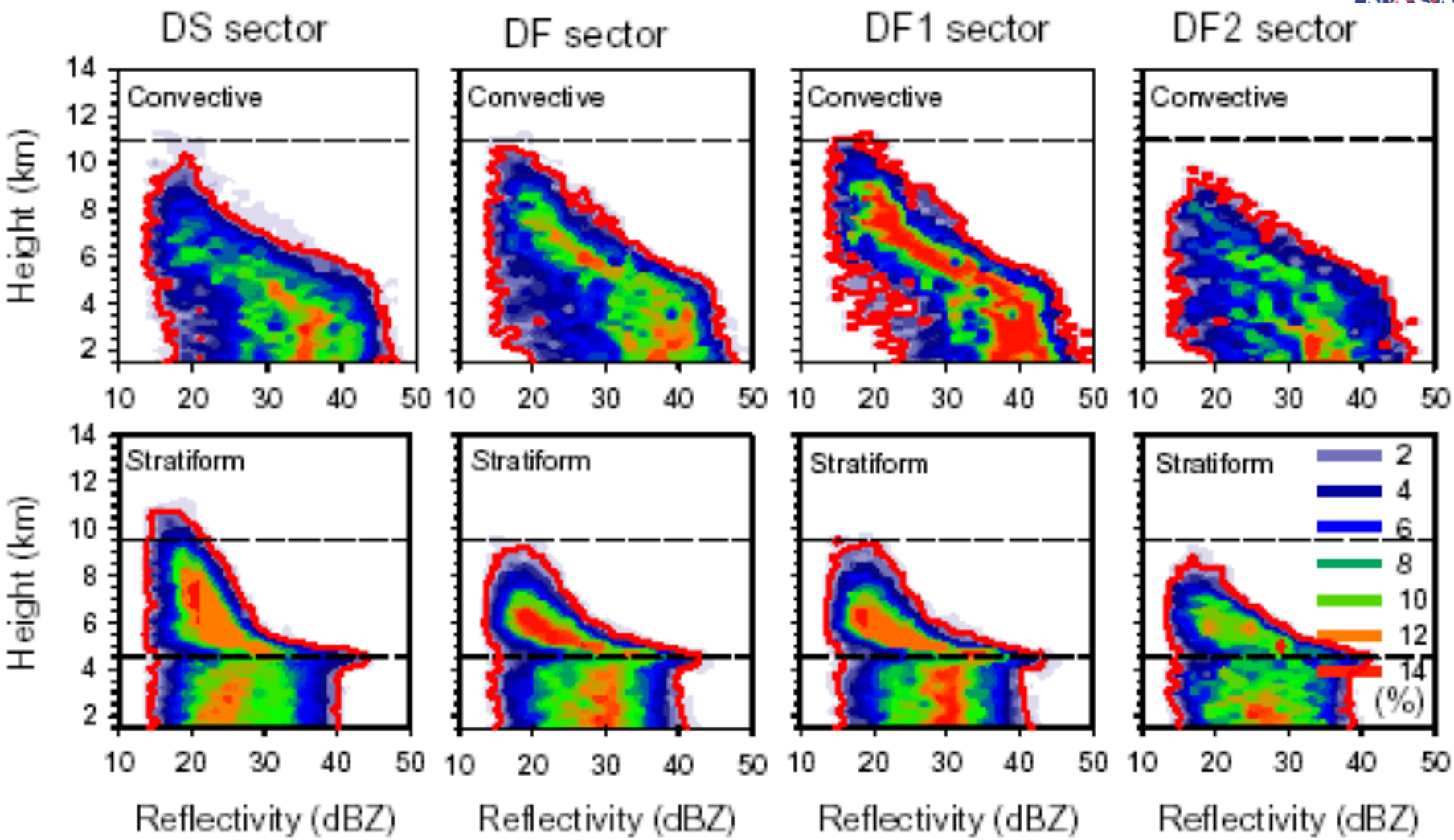
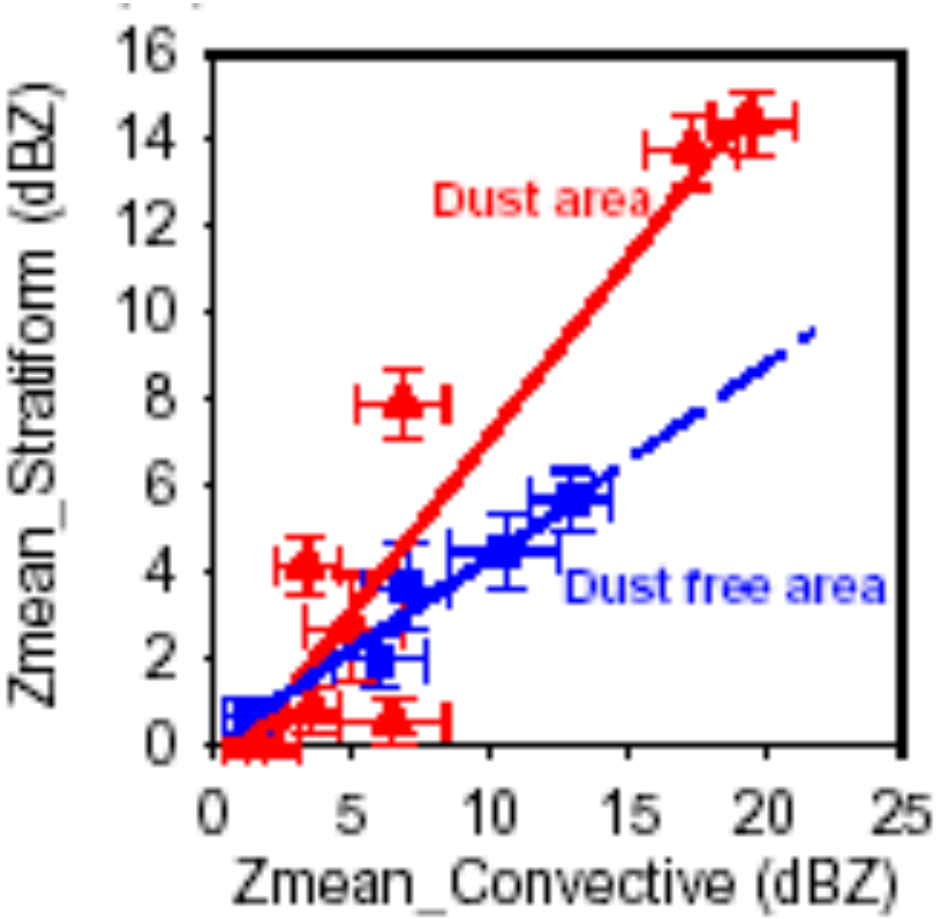

(a)

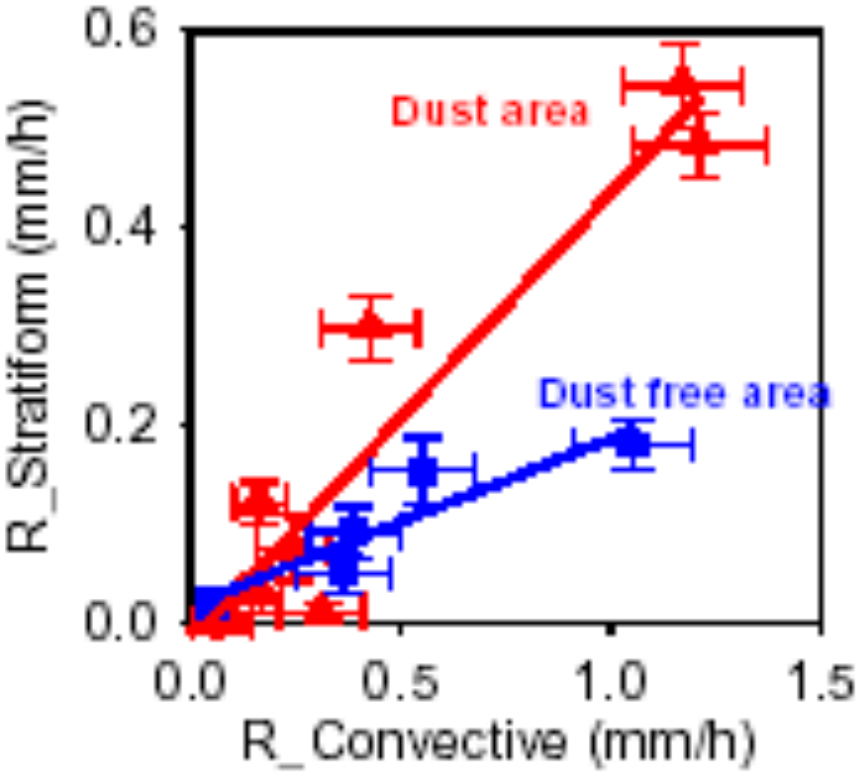

DUST AREA
15 km
10 km
5 km


Latitude
4
2
0
-2
-4
0.0
.5
1.0
1.5
2.0
Aerosol Optical Depth


Aerosol Optical Depth
2.5
2.0
1.5
1.0
.5
0.0
0~4°N (N=7149)
4°S~0 (N=9384)
1
2
3
4
5
6
7
8
9
10
Date (March 2004)


DS sector
DF sector
DF1 sector
DF2 sector
Convective
Stratiform
Height (km)
Reflectivity (dBZ)
2
4
6
8
10
12
14
(%)


Zmean_Stratiform (dBZ)
Zmean_Convective (dBZ)
Dust area
Dust free area
0
2
4
6
8
10
12
14
16
0
5
10
15
20
25


R_Stratiform (mm/h)
R_Convective (mm/h)
Dust area
Dust free area
0.0
0.2
0.4
0.6
0.0
0.5
1.0
1.5