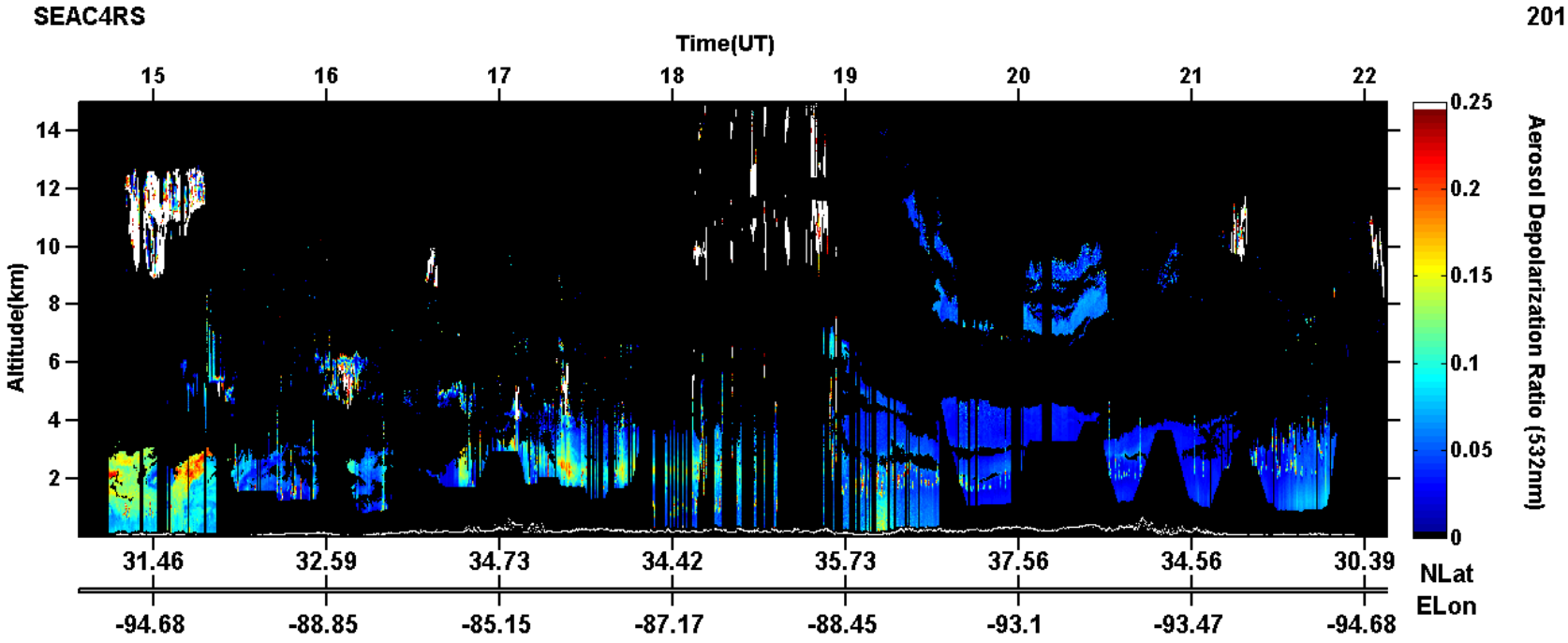
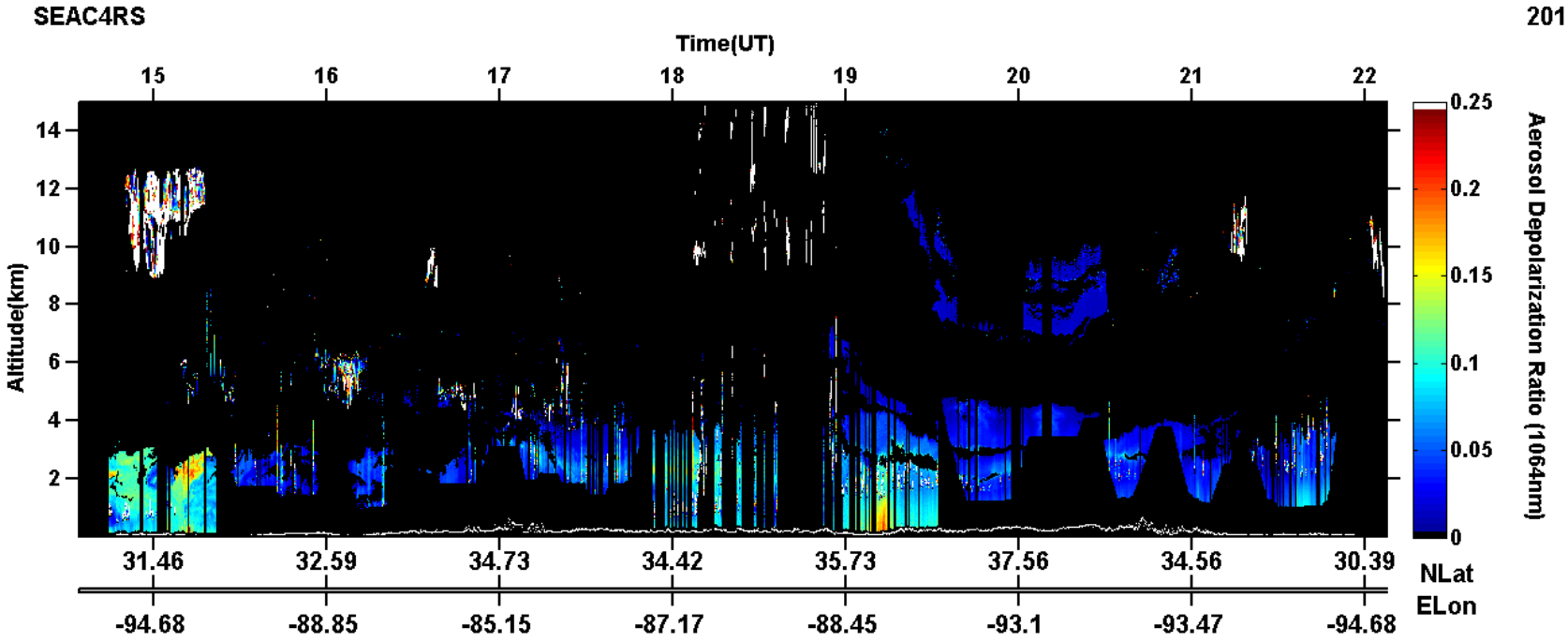
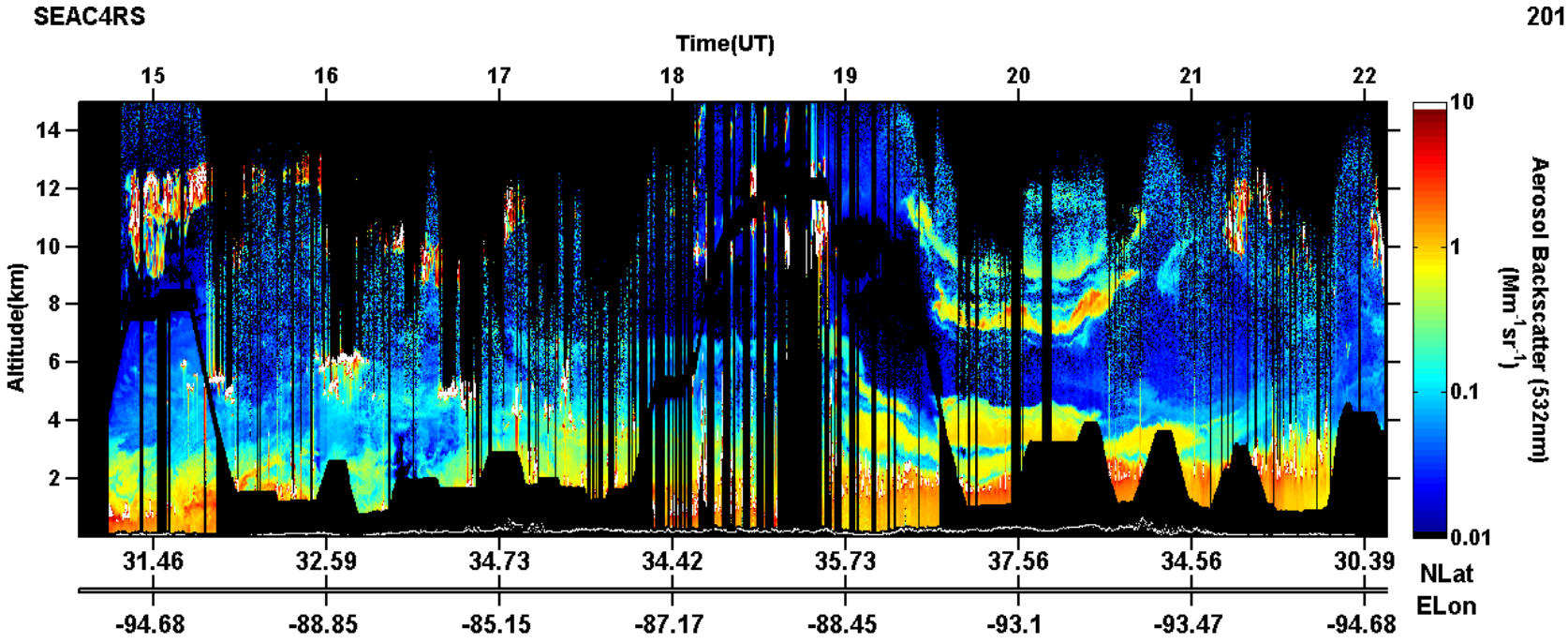
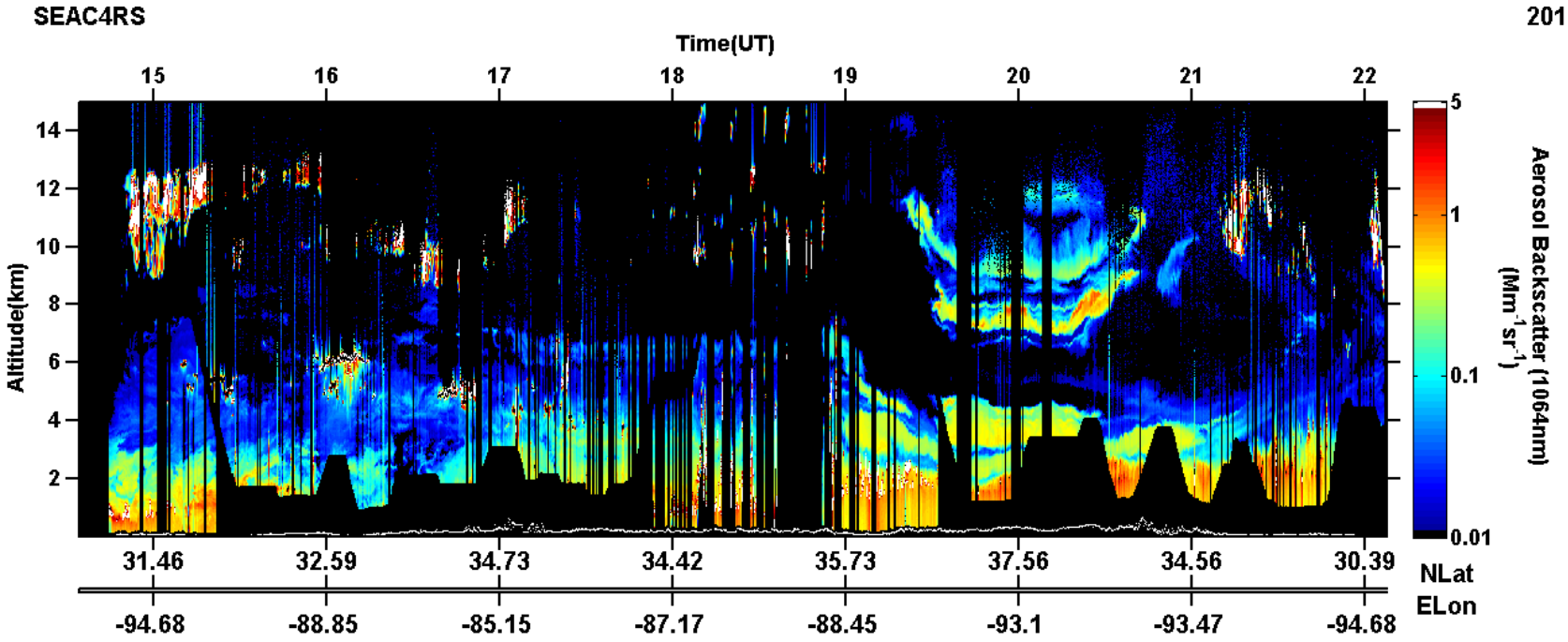
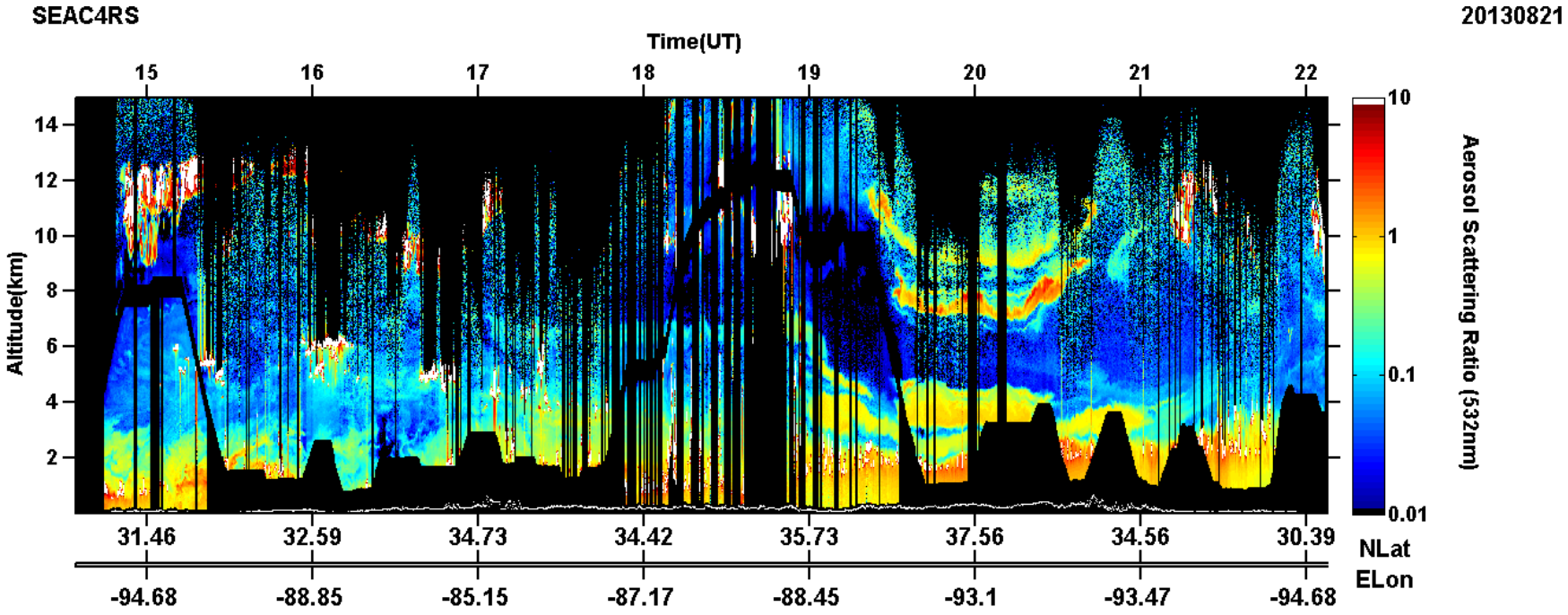
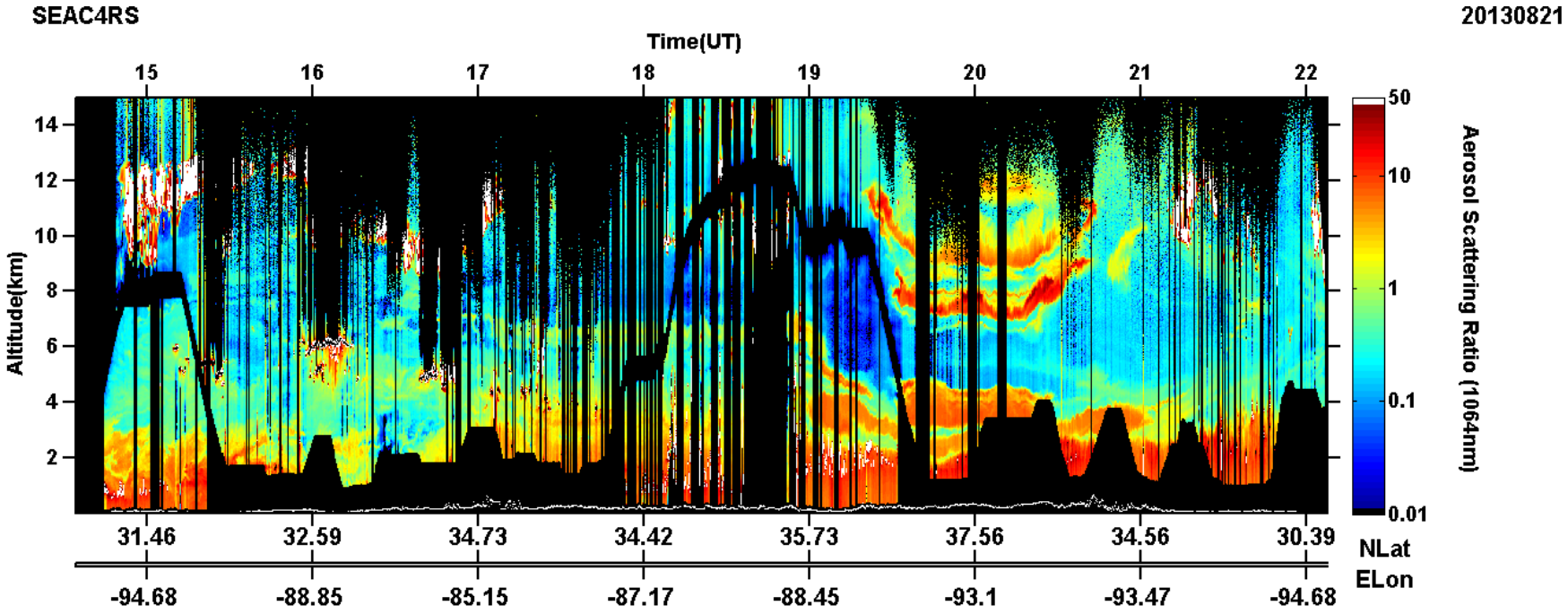

SEAC4RS
20130821
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (532nm)
31.46
32.59
34.73
34.42
35.73
37.56
34.56
30.39
NLat
-94.68
-88.85
-85.15
-87.17
-88.45
-93.1
-93.47
-94.68
ELon

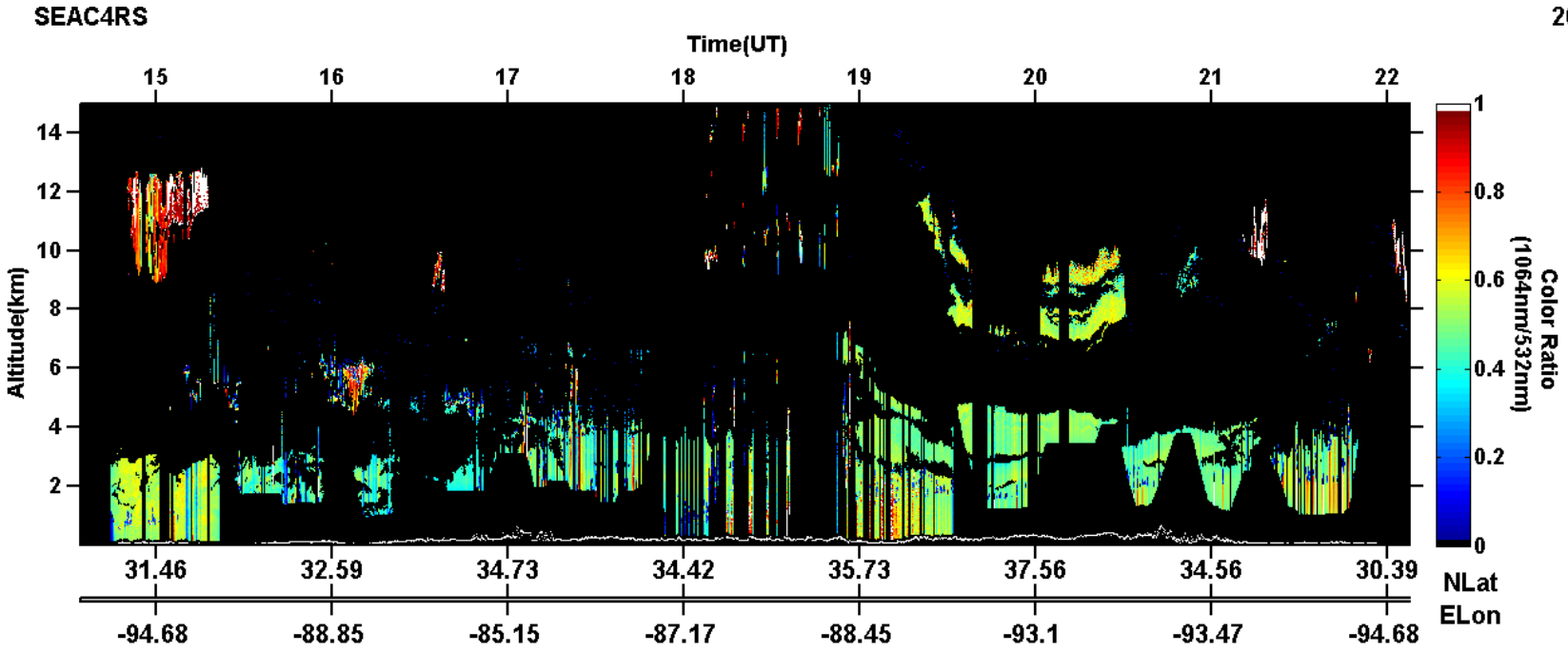

SEAC4RS
20130821
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (1064nm)
31.46
32.59
34.73
34.42
35.73
37.56
34.56
30.39
NLat
-94.68
-88.85
-85.15
-87.17
-88.45
-93.1
-93.47
-94.68
ELon

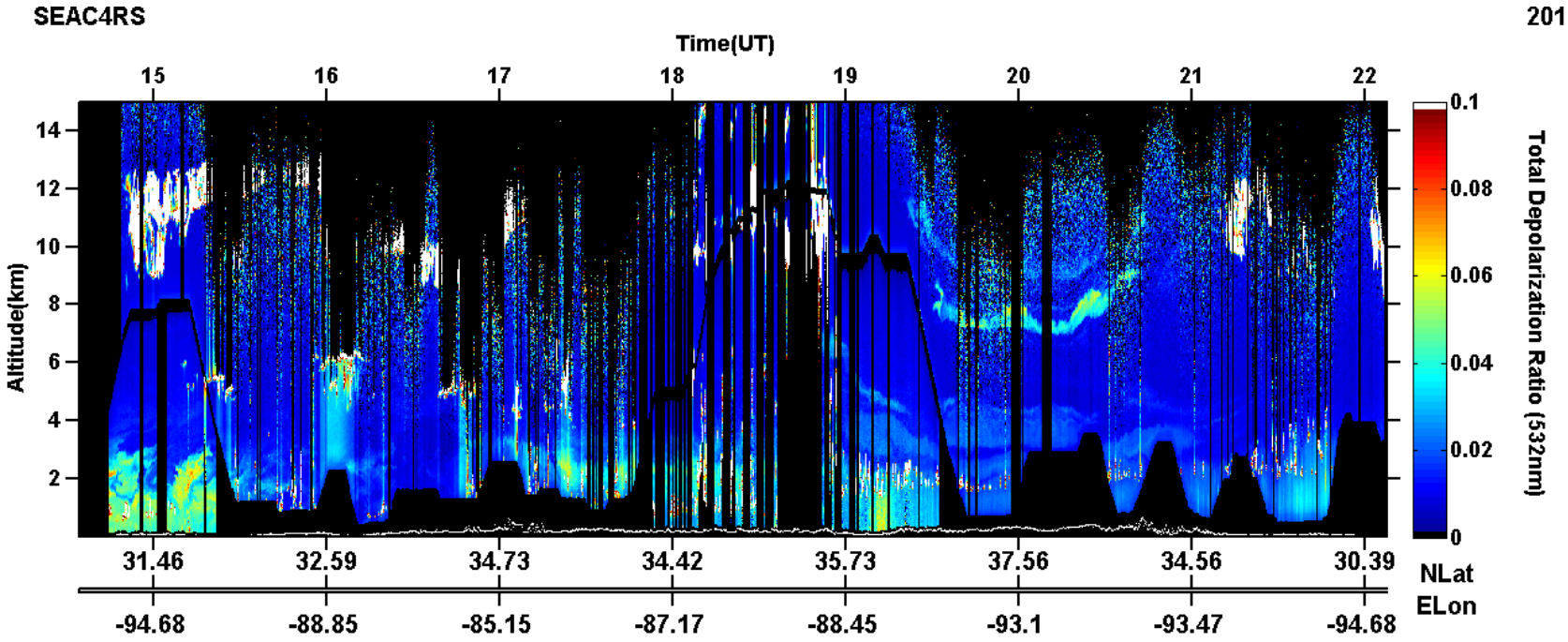

SEAC4RS
20130821
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
31.46
32.59
34.73
34.42
35.73
37.56
34.56
30.39
NLat
-94.68
-88.85
-85.15
-87.17
-88.45
-93.1
-93.47
-94.68
ELon
10
1
0.1
0.01
Aerosol Backscatter (532nm)
(Mm-1sr-1)

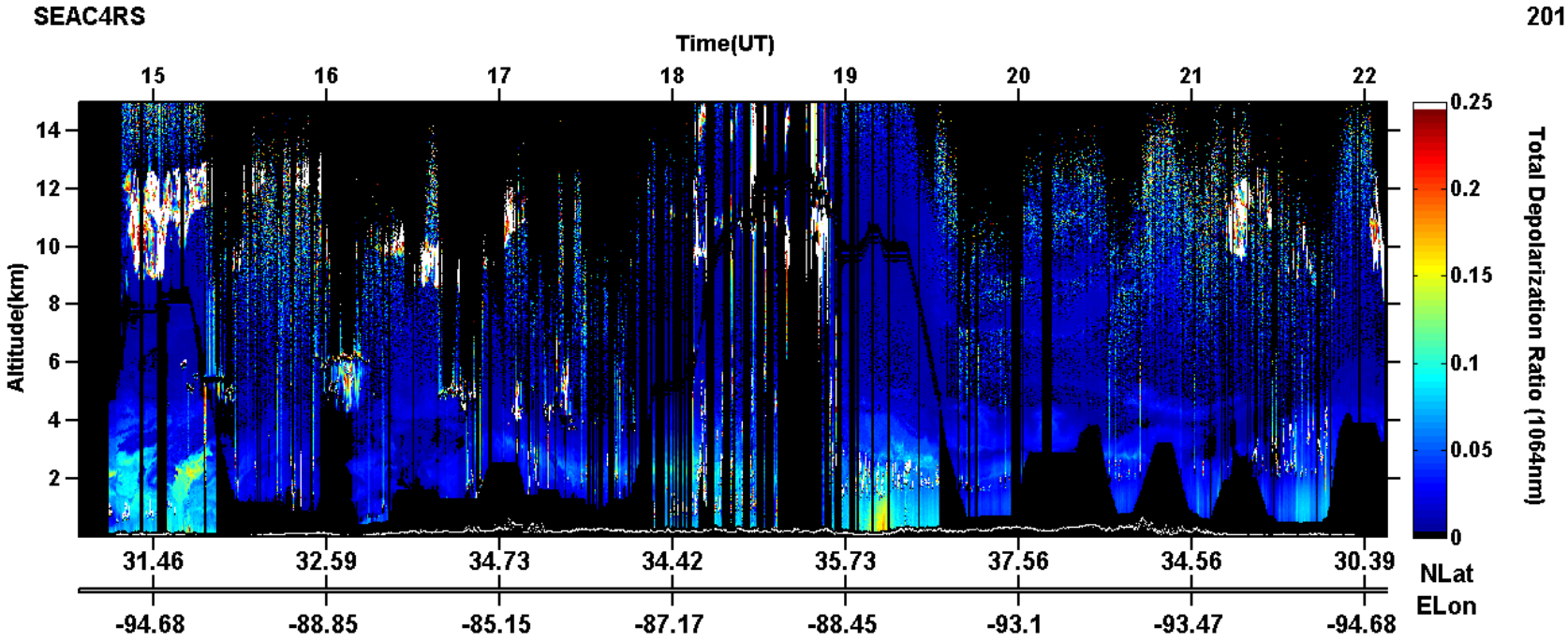

SEAC4RS
20130821
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
5
1
0.1
0.01
Aerosol Backscatter (1064nm)
(Mm-1sr-1)
31.46
32.59
34.73
34.42
35.73
37.56
34.56
30.39
NLat
-94.68
-88.85
-85.15
-87.17
-88.45
-93.1
-93.47
-94.68
ELon

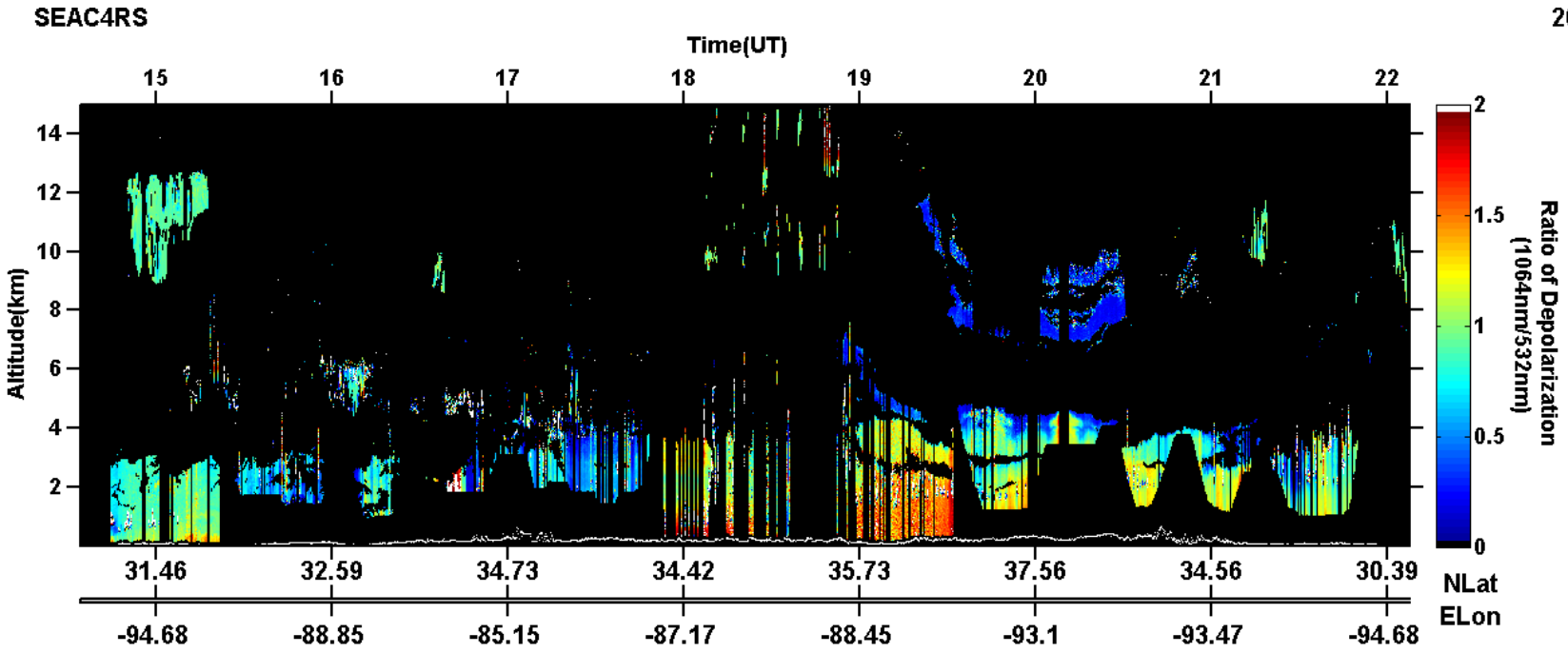

SEAC4RS
20130821
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
10
1
0.1
0.01
Aerosol Scattering Ratio (532nm)
31.46
32.59
34.73
34.42
35.73
37.56
34.56
30.39
NLat
-94.68
-88.85
-85.15
-87.17
-88.45
-93.1
-93.47
-94.68
ELon

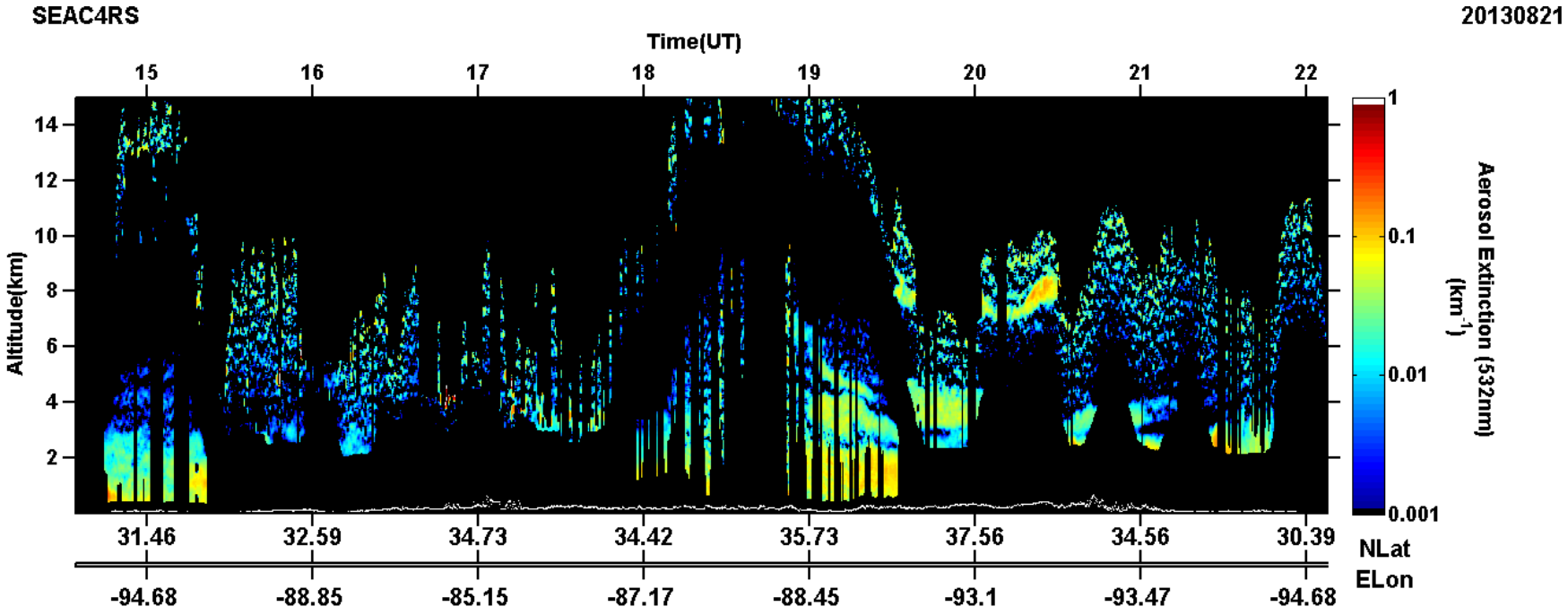

SEAC4RS
20130821
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
50
10
1
0.1
0.01
Aerosol Scattering Ratio (1064nm)
31.46
32.59
34.73
34.42
35.73
37.56
34.56
30.39
NLat
-94.68
-88.85
-85.15
-87.17
-88.45
-93.1
-93.47
-94.68
ELon

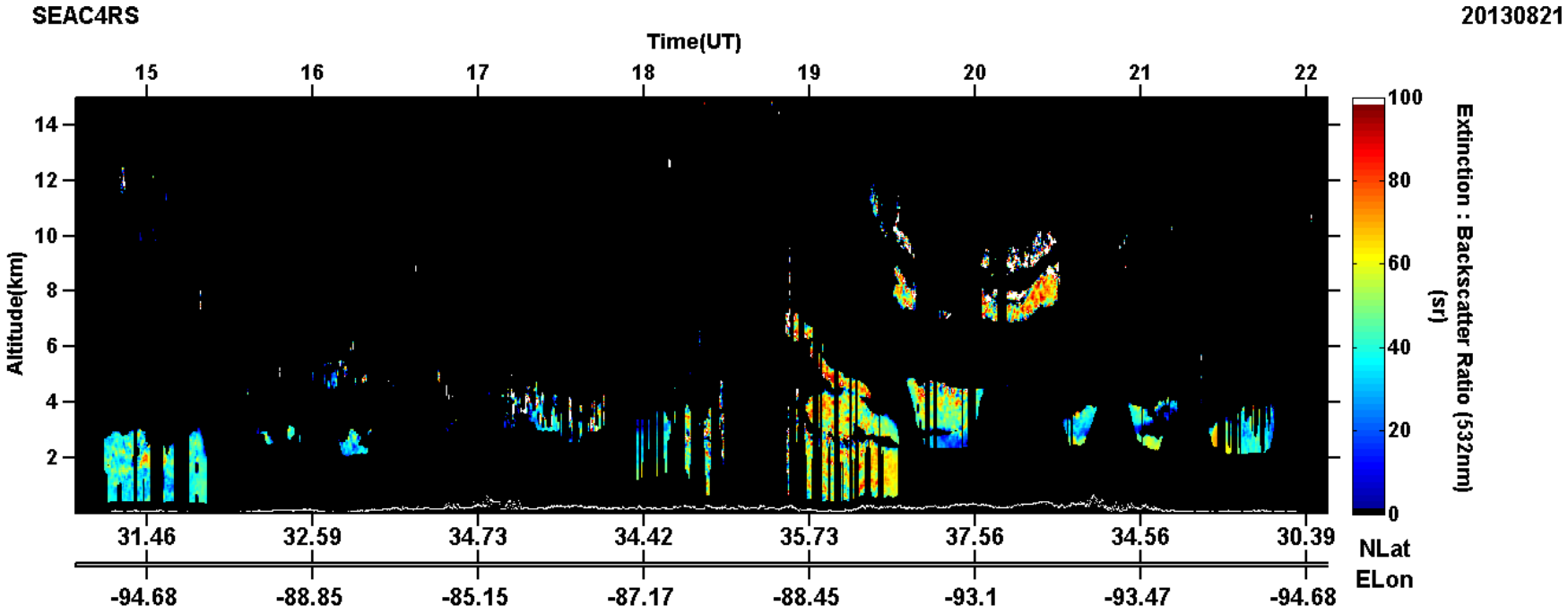

SEAC4RS
20130821
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
1
0.8
0.6
0.4
0.2
0
Color Ratio
(1064nm/532nm)
31.46
32.59
34.73
34.42
35.73
37.56
34.56
30.39
NLat
-94.68
-88.85
-85.15
-87.17
-88.45
-93.1
-93.47
-94.68
ELon

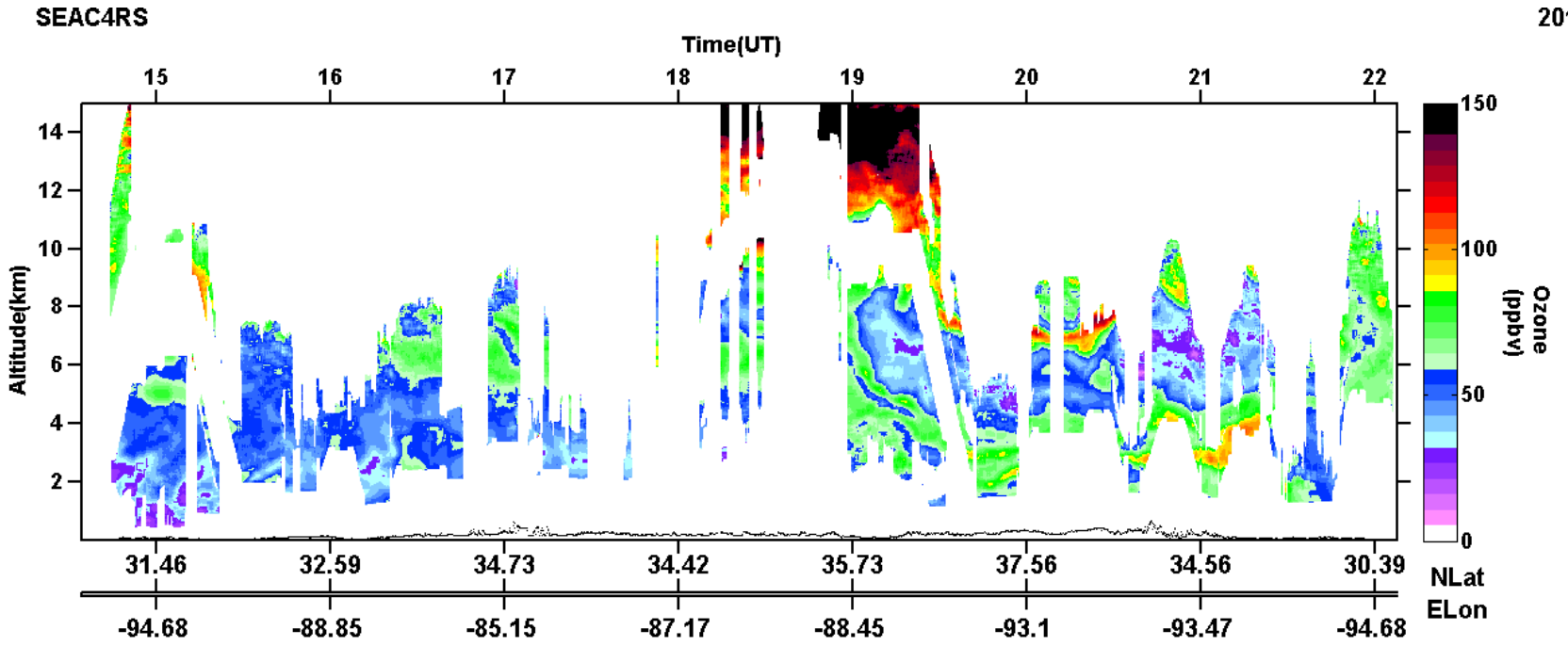

SEAC4RS
20130821
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
0.1
0.08
0.06
0.04
0.02
0
Total Depolarization Ratio (532nm)
31.46
32.59
34.73
34.42
35.73
37.56
34.56
30.39
NLat
-94.68
-88.85
-85.15
-87.17
-88.45
-93.1
-93.47
-94.68
ELon

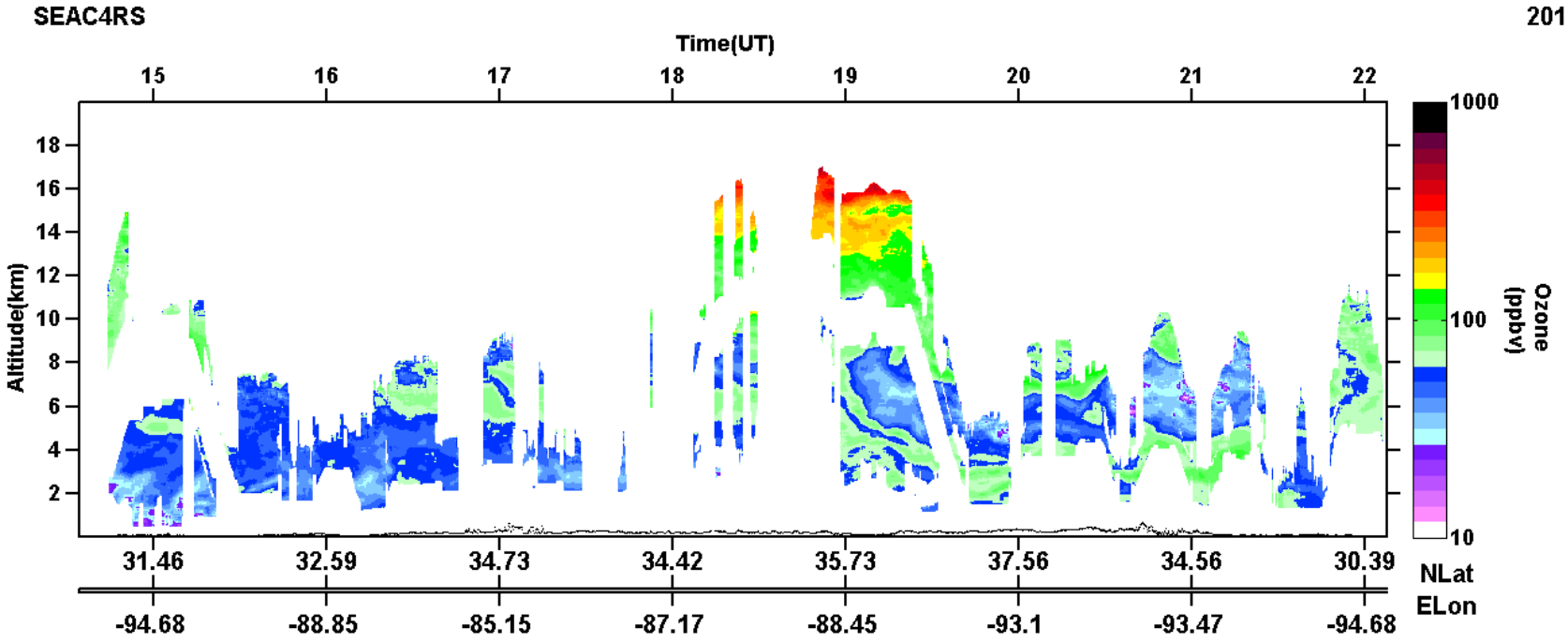

SEAC4RS
20130821
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
0.25
0.2
0.15
0.1
0.05
0
Total Depolarization Ratio (1064nm)
31.46
32.59
34.73
34.42
35.73
37.56
34.56
30.39
NLat
-94.68
-88.85
-85.15
-87.17
-88.45
-93.1
-93.47
-94.68
ELon


SEAC4RS
20130821
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
Ratio of Depolarization
(1064nm/532nm)
2
1.5
1
0.5
0
31.46
32.59
34.73
34.42
35.73
37.56
34.56
30.39
NLat
-94.68
-88.85
-85.15
-87.17
-88.45
-93.1
-93.47
-94.68
ELon


SEAC4RS
20130821
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
1
0.1
0.01
0.001
Aerosol Extinction (532nm)
(km-1)
31.46
32.59
34.73
34.42
35.73
37.56
34.56
30.39
NLat
-94.68
-88.85
-85.15
-87.17
-88.45
-93.1
-93.47
-94.68
ELon


SEAC4RS
20130821
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
31.46
32.59
34.73
34.42
35.73
37.56
34.56
30.39
NLat
-94.68
-88.85
-85.15
-87.17
-88.45
-93.1
-93.47
-94.68
ELon
100
80
60
40
20
0
Extinction : Backscatter Ratio (532nm)
(sr)


SEAC4RS
20130821
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
150
100
50
0
Ozone (ppbv)
31.46
32.59
34.73
34.42
35.73
37.56
34.56
30.39
NLat
-94.68
-88.85
-85.15
-87.17
-88.45
-93.1
-93.47
-94.68
ELon


SEAC4RS
20130821
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
18
16
14
12
10
8
6
4
2
1000
100
10
Ozone (ppbv)
31.46
32.59
34.73
34.42
35.73
37.56
34.56
30.39
NLat
-94.68
-88.85
-85.15
-87.17
-88.45
-93.1
-93.47
-94.68
ELon