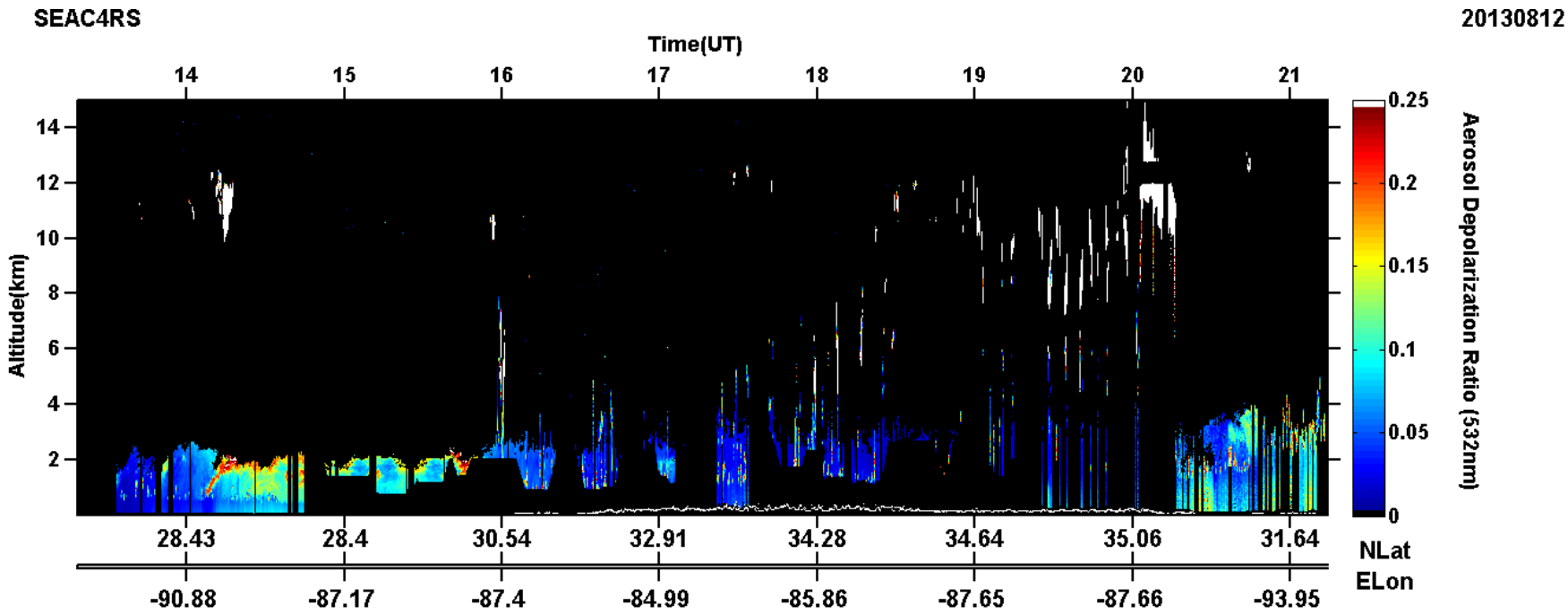
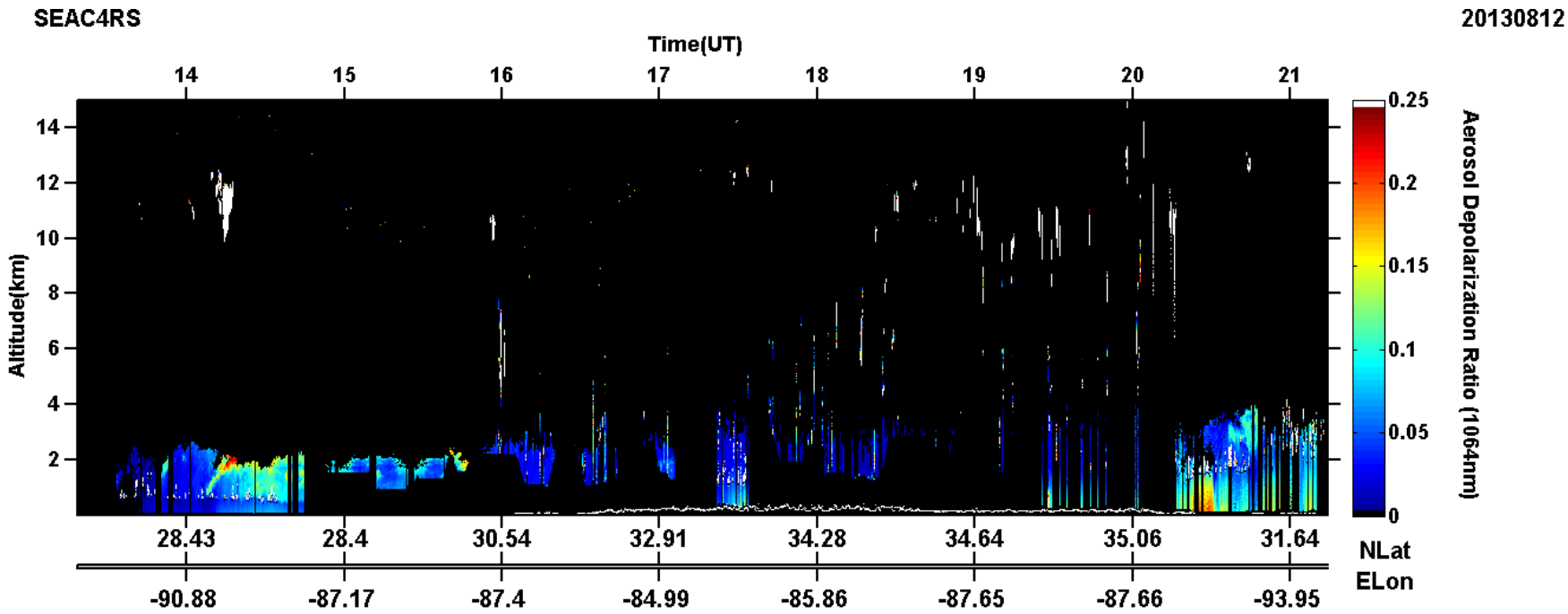
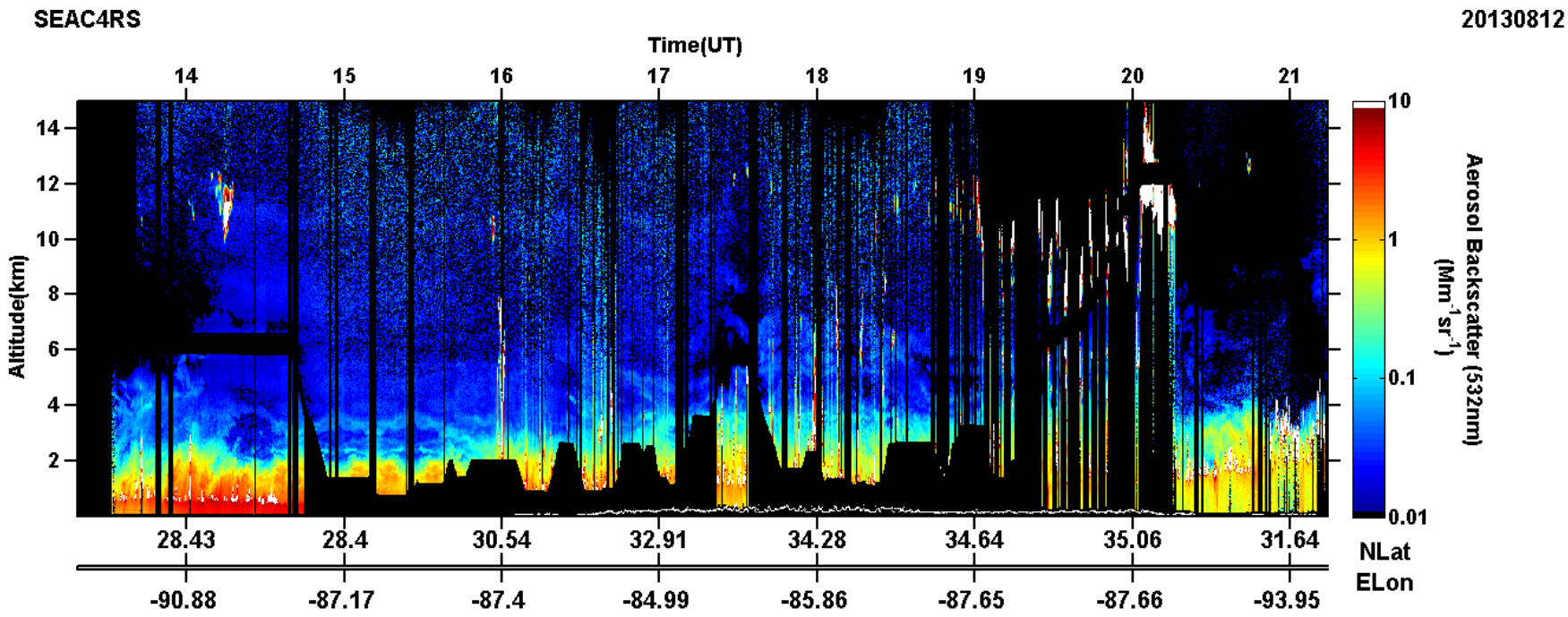
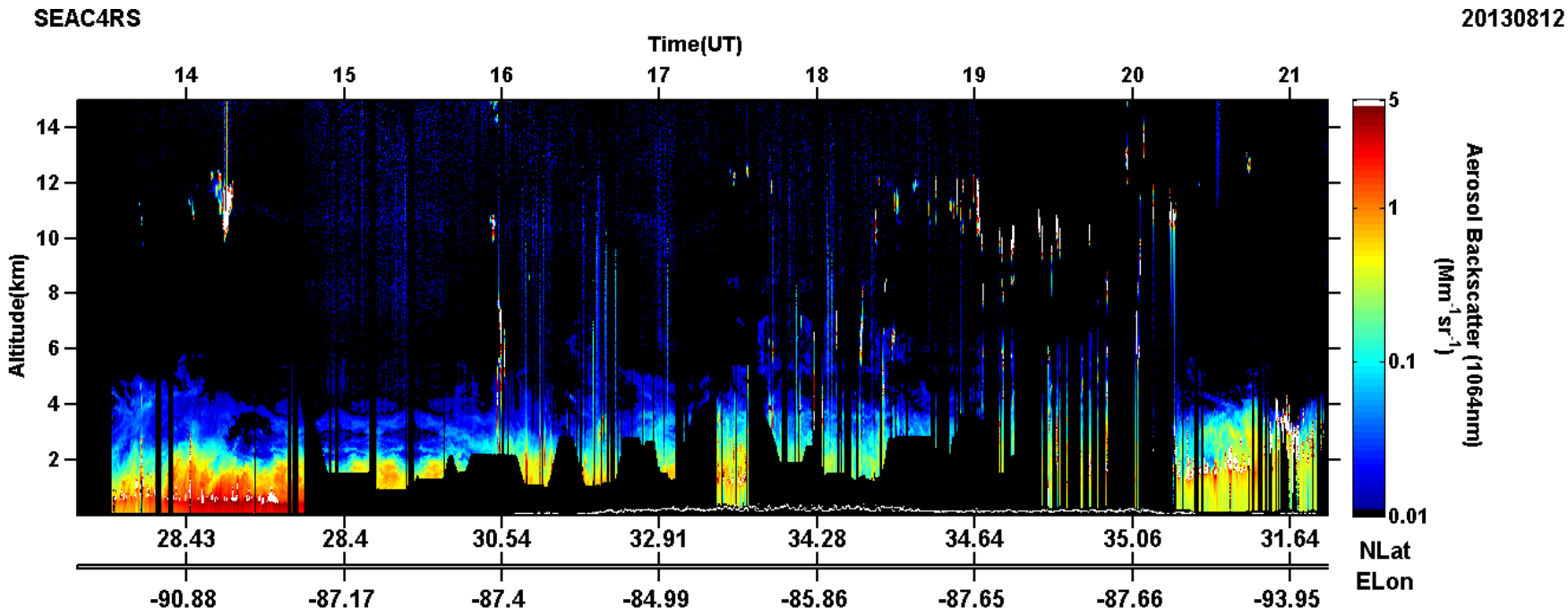
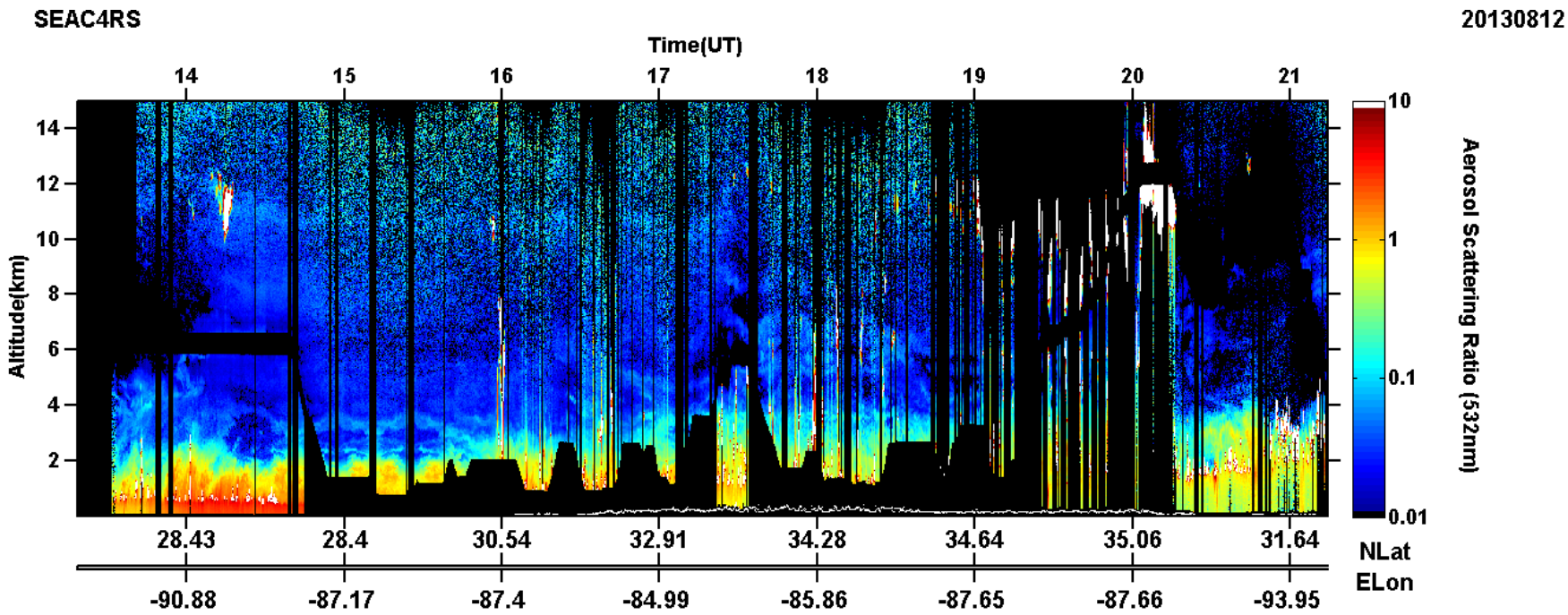
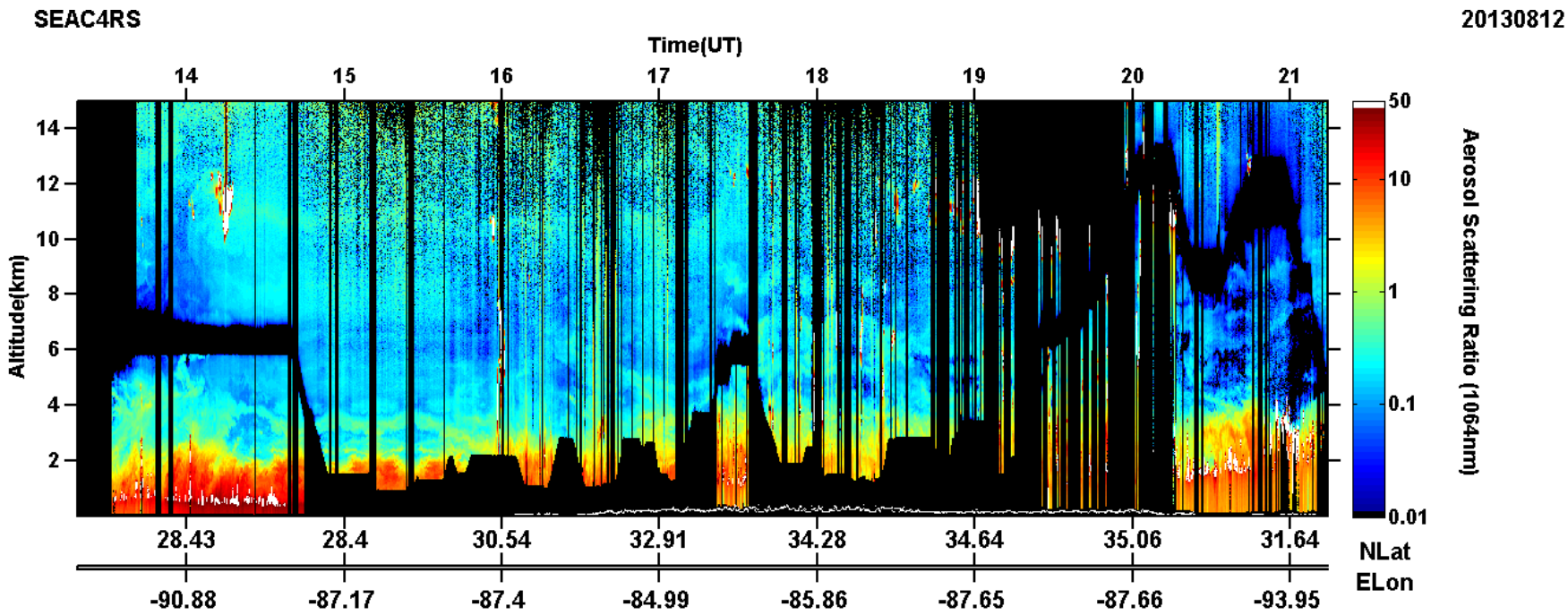

SEAC4RS
20130812
Time(UT)
14
15
16
17
18
19
20
21
Altitude(km)
14
12
10
8
6
4
2
28.43
28.4
30.54
32.91
34.28
34.64
35.06
31.64
-90.88
-87.17
-87.4
-84.99
-85.86
-87.65
-87.66
-93.95
NLat
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (532nm)

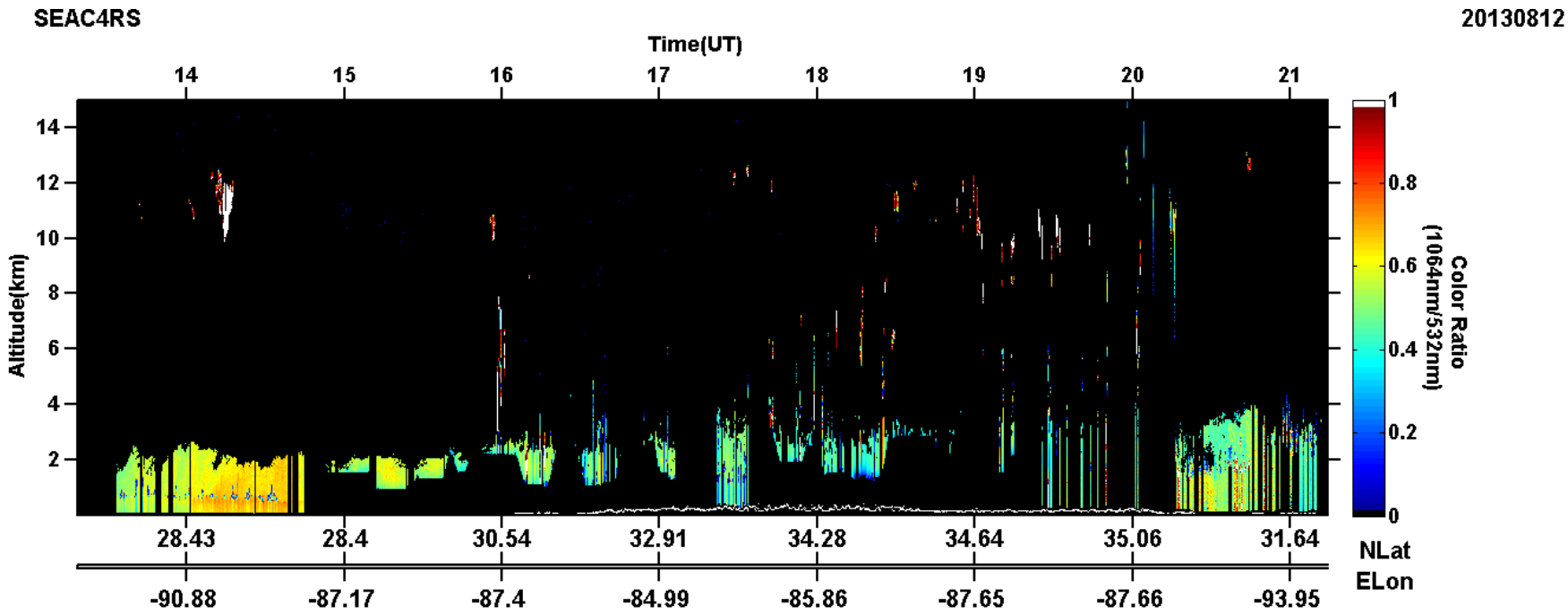

SEAC4RS
20130812
Time(UT)
14
15
16
17
18
19
20
21
Altitude(km)
14
12
10
8
6
4
2
28.43
28.4
30.54
32.91
34.28
34.64
35.06
31.64
-90.88
-87.17
-87.4
-84.99
-85.86
-87.65
-87.66
-93.95
NLat
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (1064nm)

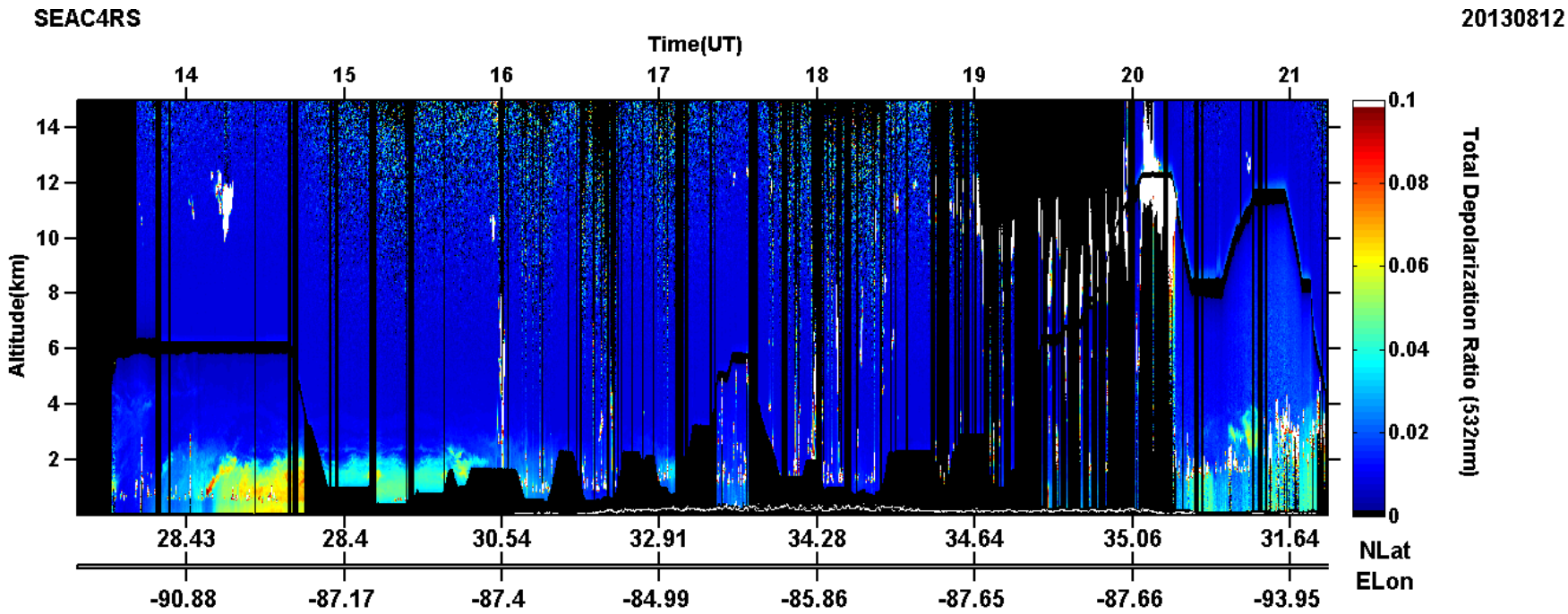

SEAC4RS
20130812
Time(UT)
14
15
16
17
18
19
20
21
Altitude(km)
14
12
10
8
6
4
2
28.43
28.4
30.54
32.91
34.28
34.64
35.06
31.64
-90.88
-87.17
-87.4
-84.99
-85.86
-87.65
-87.66
-93.95
NLat
ELon
10
1
0.1
0.01
Aerosol Backscatter (532nm)
(Mm-1sr-1)

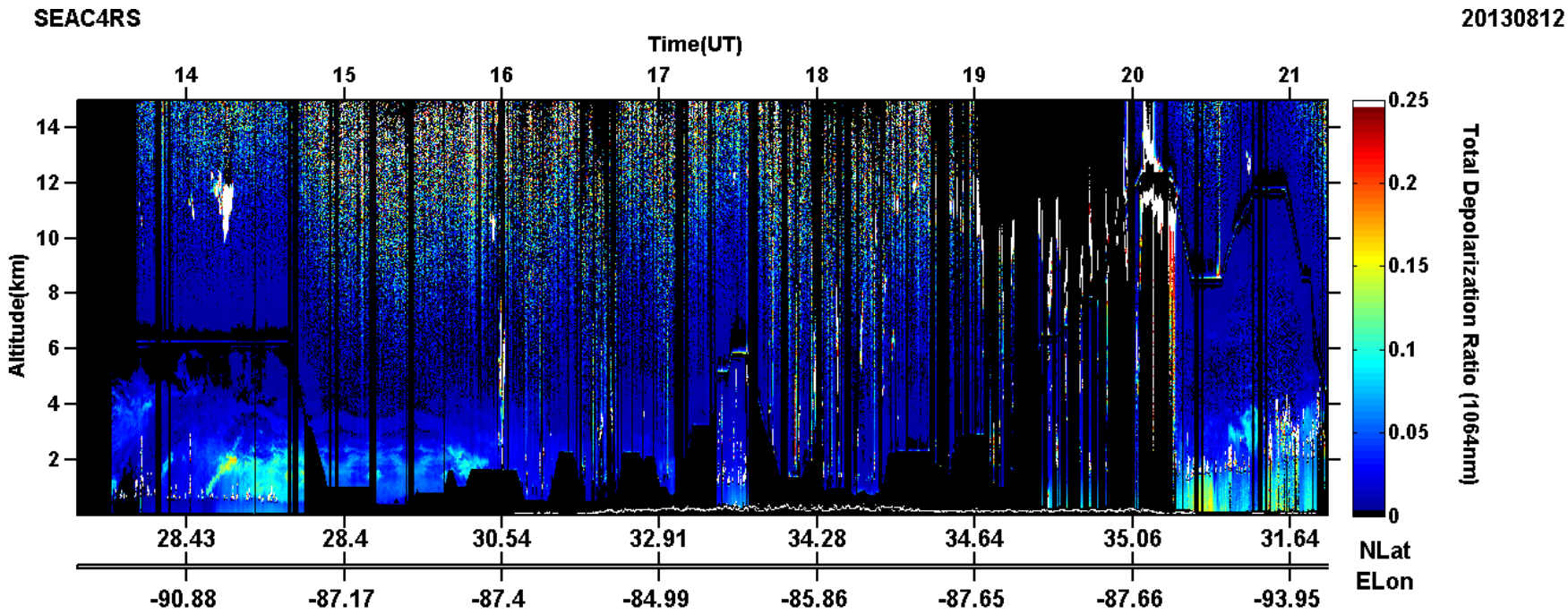

SEAC4RS
20130812
Time(UT)
14
15
16
17
18
19
20
21
Altitude(km)
14
12
10
8
6
4
2
28.43
28.4
30.54
32.91
34.28
34.64
35.06
31.64
-90.88
-87.17
-87.4
-84.99
-85.86
-87.65
-87.66
-93.95
NLat
ELon
5
1
0.1
0.01
Aerosol Backscatter (1064nm)
(Mm-1 sr-1)

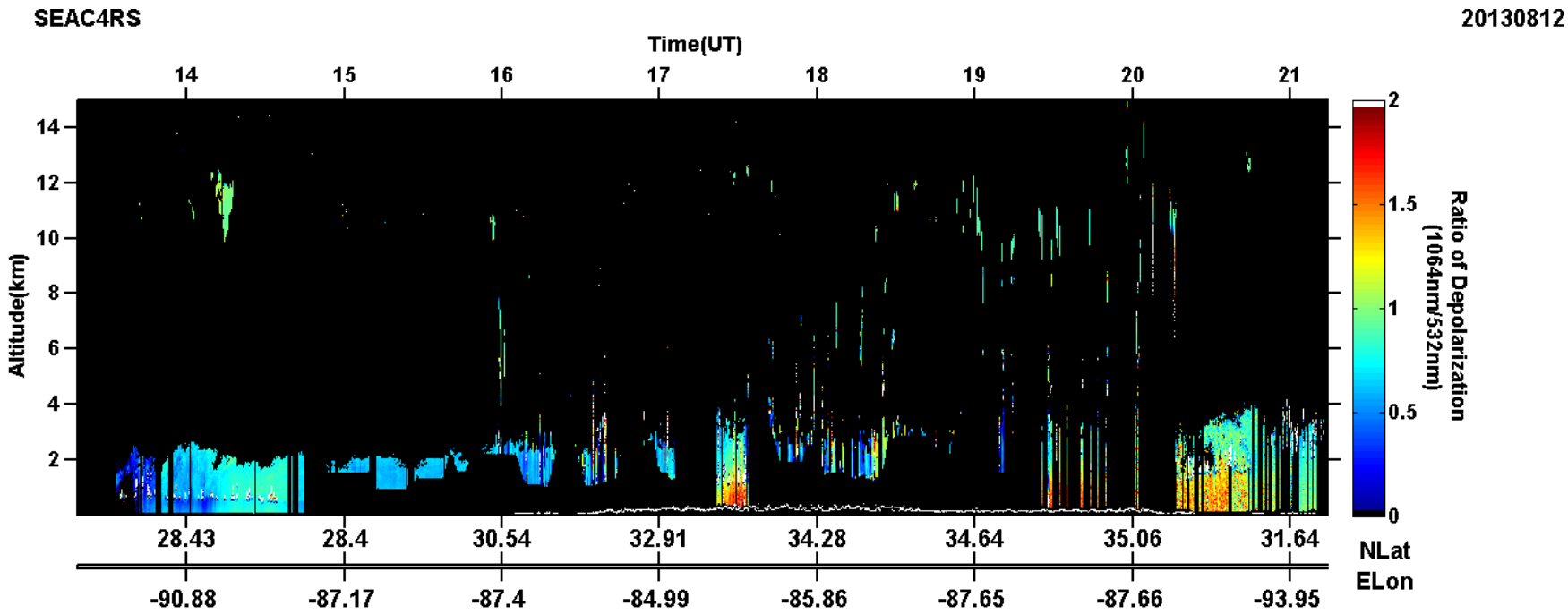

SEAC4RS
20130812
Time(UT)
14
15
16
17
18
19
20
21
Altitude(km)
14
12
10
8
6
4
2
28.43
28.4
30.54
32.91
34.28
34.64
35.06
31.64
NLat
-90.88
-87.17
-87.4
-84.99
-85.86
-87.65
-87.66
-93.95
ELon
10
1
0.1
0.01
Aerosol Scattering Ratio (532nm)

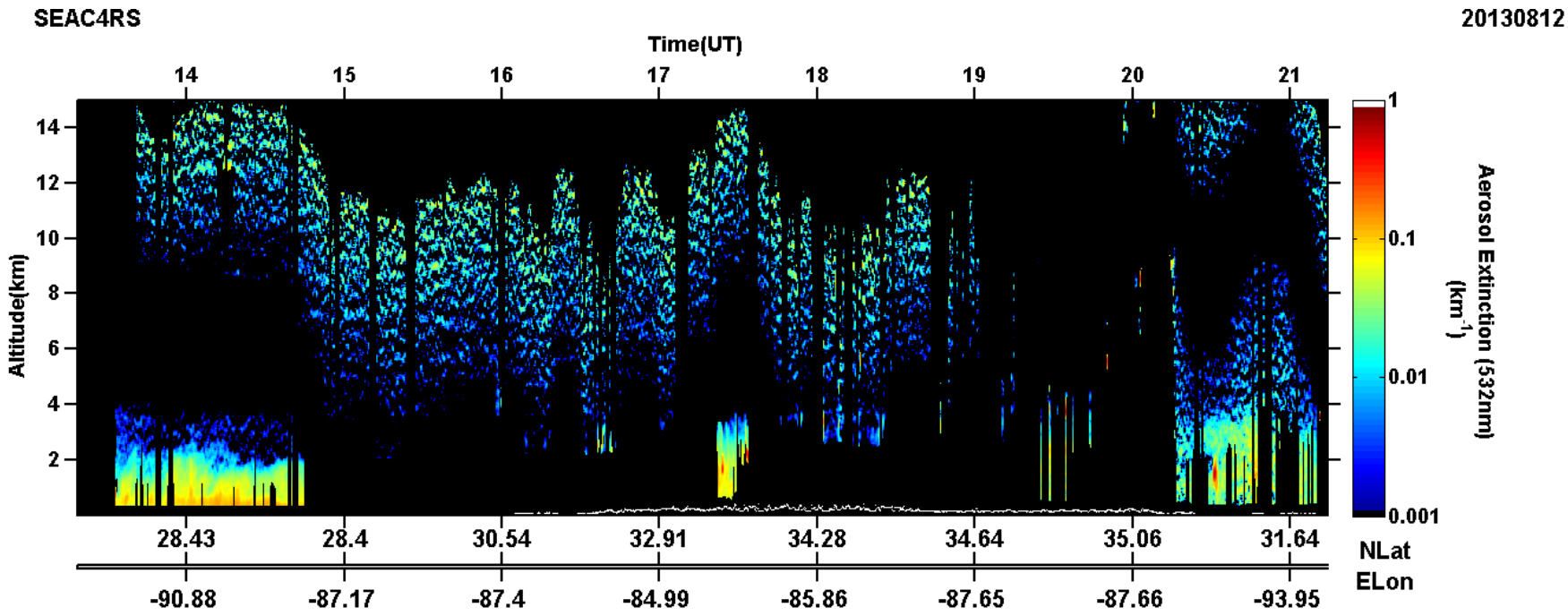

SEAC4RS
20130812
Time(UT)
14
15
16
17
18
19
20
21
Altitude(km)
14
12
10
8
6
4
2
28.43
28.4
30.54
32.91
34.28
34.64
35.06
31.64
NLat
-90.88
-87.17
-87.4
-84.99
-85.86
-87.65
-87.66
-93.95
ELon
50
10
1
0.1
0.01
Aerosol Scattering Ratio (1064nm)

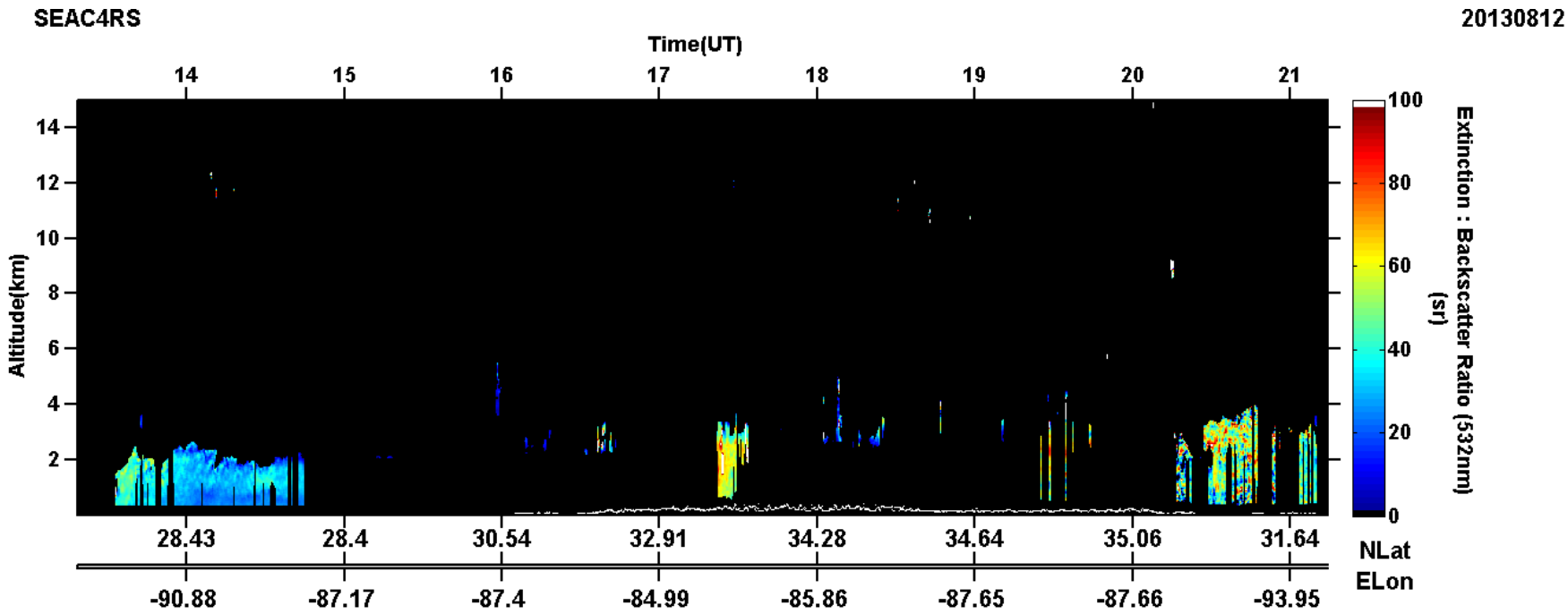

SEAC4RS
20130812
Time(UT)
14
15
16
17
18
19
20
21
Altitude(km)
14
12
10
8
6
4
2
28.43
28.4
30.54
32.91
34.28
34.64
35.06
31.64
-90.88
-87.17
-87.4
-84.99
-85.86
-87.65
-87.66
-93.95
NLat
ELon
Color Ratio
(1064nm/532nm)
1
0.8
0.6
0.4
0.2
0

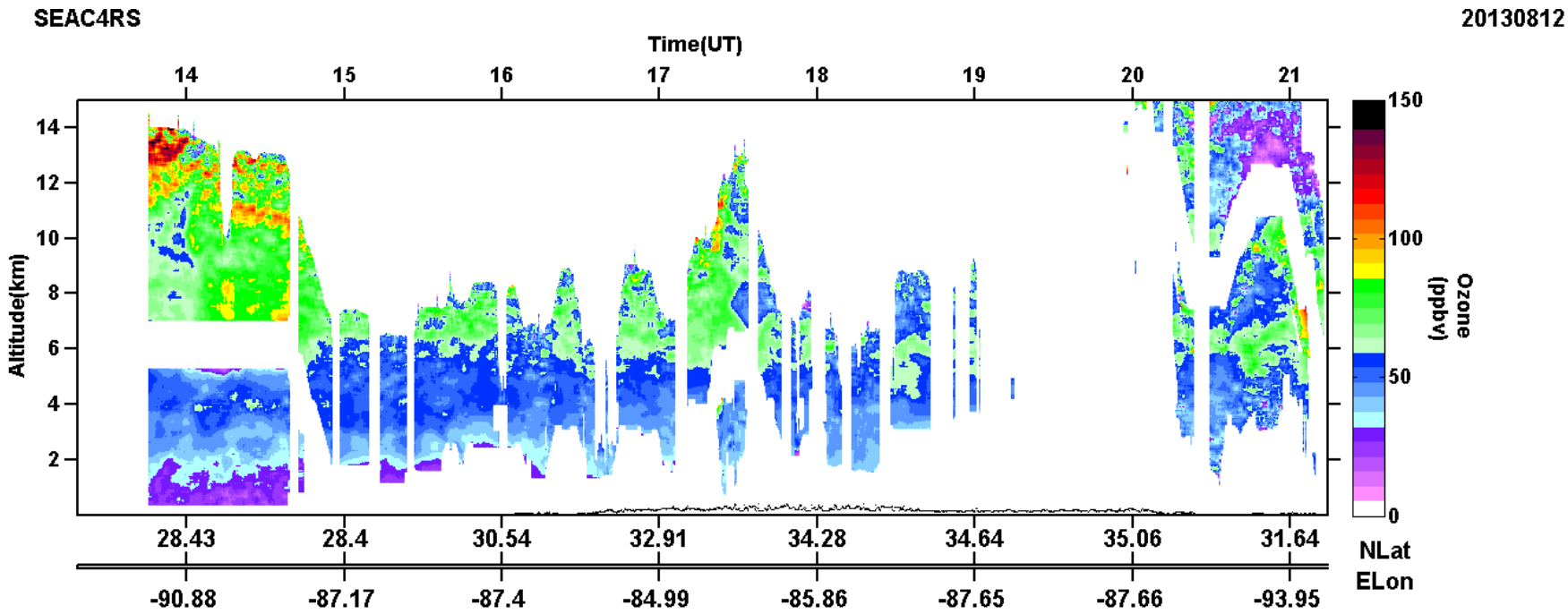

SEAC4RS
20130812
Time(UT)
14
15
16
17
18
19
20
21
Altitude(km)
14
12
10
8
6
4
2
28.43
28.4
30.54
32.91
34.28
34.64
35.06
31.64
-90.88
-87.17
-87.4
-84.99
-85.86
-87.65
-87.66
-93.95
NLat
ELon
0.1
0.08
0.06
0.04
0.02
0
Total Depolarization Ratio (532nm)

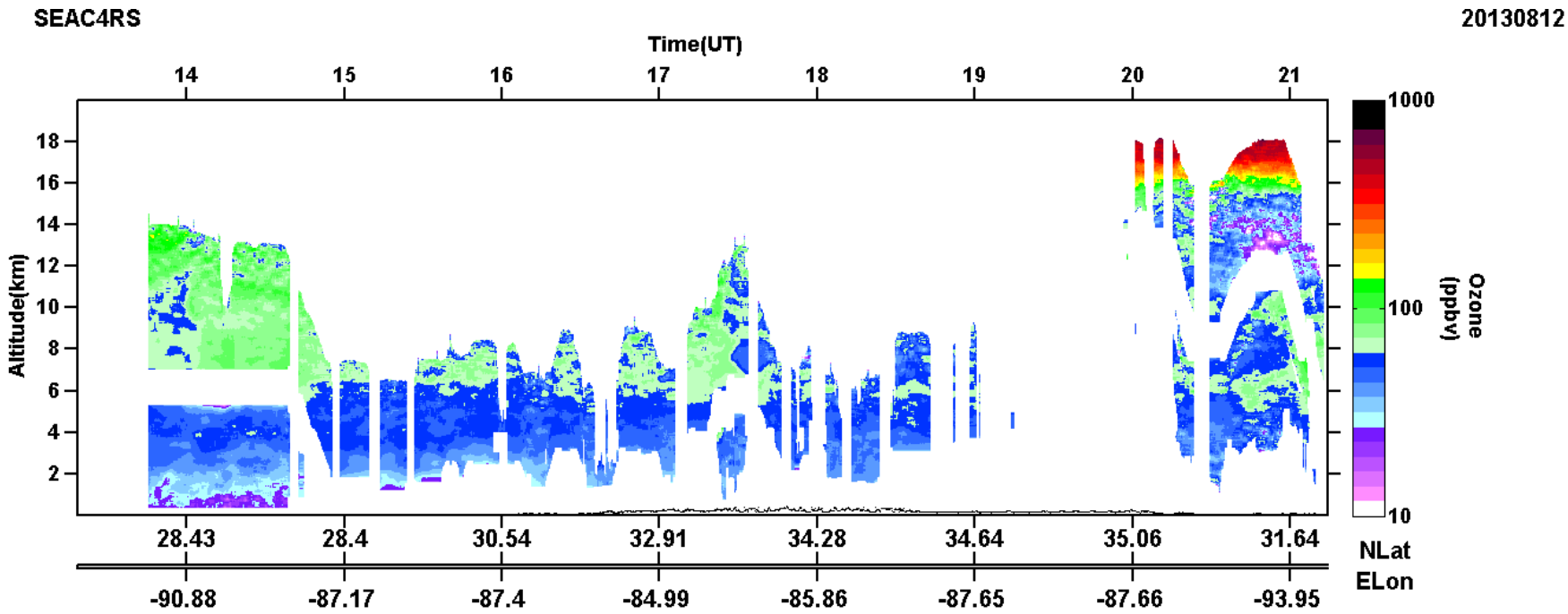

SEAC4RS
20130812
Time(UT)
14
15
16
17
18
19
20
21
Altitude(km)
14
12
10
8
6
4
2
28.43
28.4
30.54
32.91
34.28
34.64
35.06
31.64
-90.88
-87.17
-87.4
-84.99
-85.86
-87.65
-87.66
-93.95
NLat
ELon
0.25
0.2
0.15
0.1
0.05
0
Total Depolarization Ratio (1064nm)


SEAC4RS
20130812
Time(UT)
14
15
16
17
18
19
20
21
Altitude(km)
14
12
10
8
6
4
2
28.43
28.4
30.54
32.91
34.28
34.64
35.06
31.64
-90.88
-87.17
-87.4
-84.99
-85.86
-87.65
-87.66
-93.95
NLat
ELon
Ratio of Depolarization
(1064nm/532nm)
2
1.5
1
0.5
0


SEAC4RS
20130812
Time(UT)
14
15
16
17
18
19
20
21
Altitude(km)
14
12
10
8
6
4
2
28.43
28.4
30.54
32.91
34.28
34.64
35.06
31.64
NLat
-90.88
-87.17
-87.4
-84.99
-85.86
-87.65
-87.66
-93.95
ELon
1
0.1
0.01
0.001
Aerosol Extinction (532nm)
(km^{-1})


SEAC4RS
20130812
Time(UT)
14
15
16
17
18
19
20
21
Altitude(km)
14
12
10
8
6
4
2
28.43
28.4
30.54
32.91
34.28
34.64
35.06
31.64
-90.88
-87.17
-87.4
-84.99
-85.86
-87.65
-87.66
-93.95
NLat
ELon
100
80
60
40
20
0
Extinction : Backscatter Ratio (532nm)
(sr)


SEAC4RS
20130812
Time(UT)
14
15
16
17
18
19
20
21
Altitude(km)
14
12
10
8
6
4
2
28.43
28.4
30.54
32.91
34.28
34.64
35.06
31.64
-90.88
-87.17
-87.4
-84.99
-85.86
-87.65
-87.66
-93.95
NLat
ELon
150
100
50
0
Ozone
(ppbv)


SEAC4RS
20130812
Time(UT)
14
15
16
17
18
19
20
21
Altitude(km)
18
16
14
12
10
8
6
4
2
28.43
28.4
30.54
32.91
34.28
34.64
35.06
31.64
-90.88
-87.17
-87.4
-84.99
-85.86
-87.65
-87.66
-93.95
NLat
ELon
1000
100
10
Ozone
(ppbv)