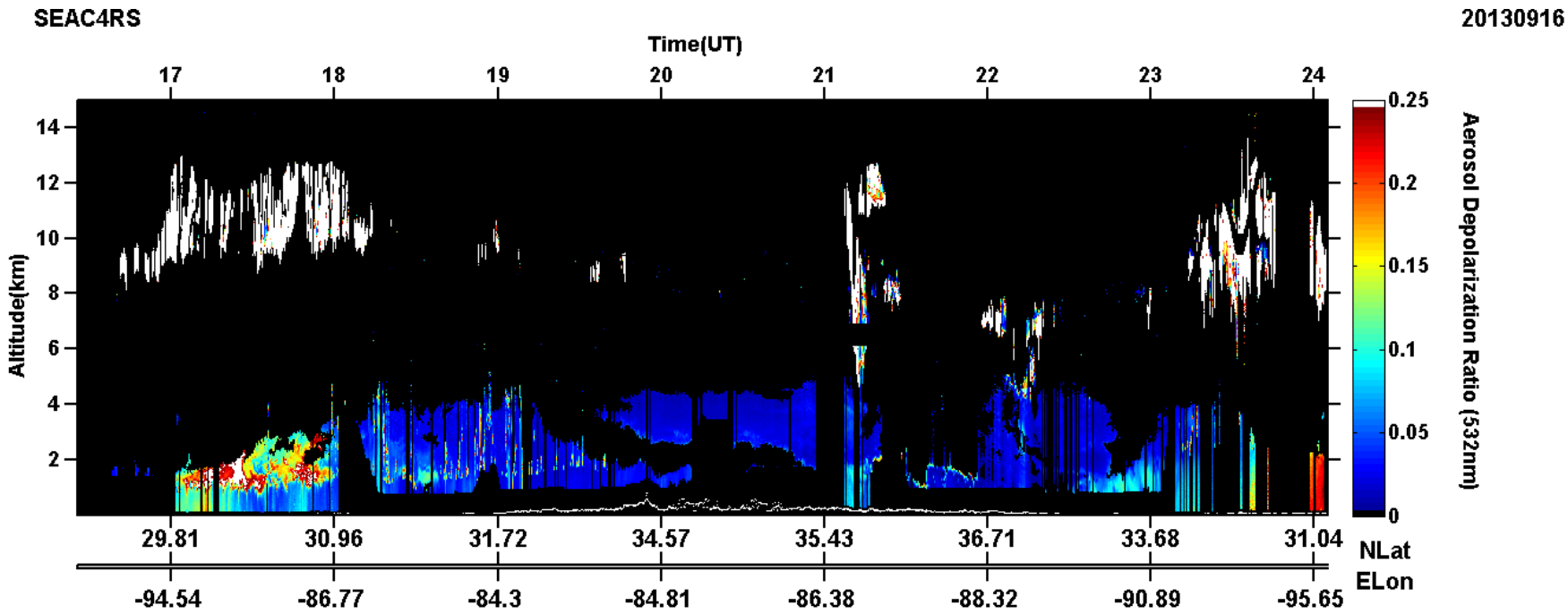
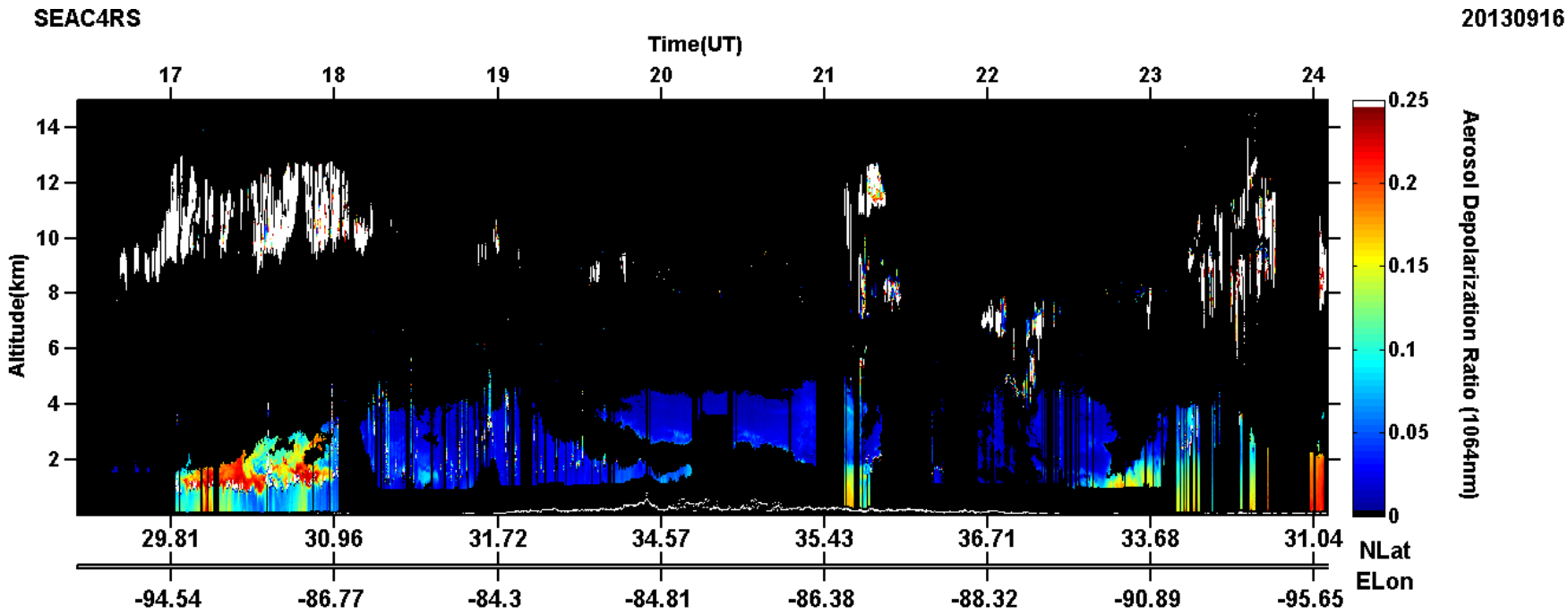

SEAC4RS
20130916
Time(UT)
17
18
19
20
21
22
23
24
Altitude(km)
14
12
10
8
6
4
2
29.81
30.96
31.72
34.57
35.43
36.71
33.68
31.04
NLat
-94.54
-86.77
-84.3
-84.81
-86.38
-88.32
-90.89
-95.65
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (532nm)


SEAC4RS
20130916
Time(UT)
17
18
19
20
21
22
23
24
Altitude(km)
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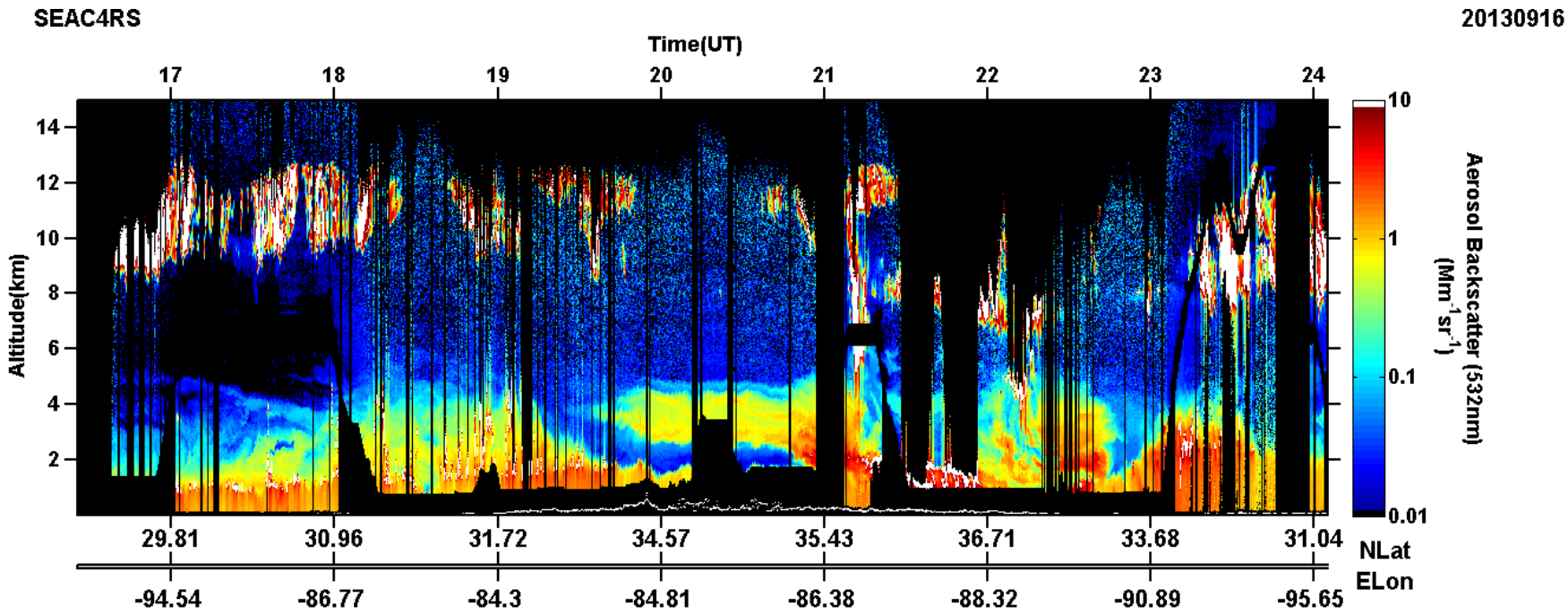
12
10
8
6
4
2
29.81
30.96
31.72
34.57
35.43
36.71
33.68
31.04
NLat
-94.54
-86.77
-84.3
-84.81
-86.38
-88.32
-90.89
-95.65
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (1064nm)


SEAC4RS
20130916
Time(UT)
17
18
19
20
21
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23
24
Altitude(km)
14
12
10
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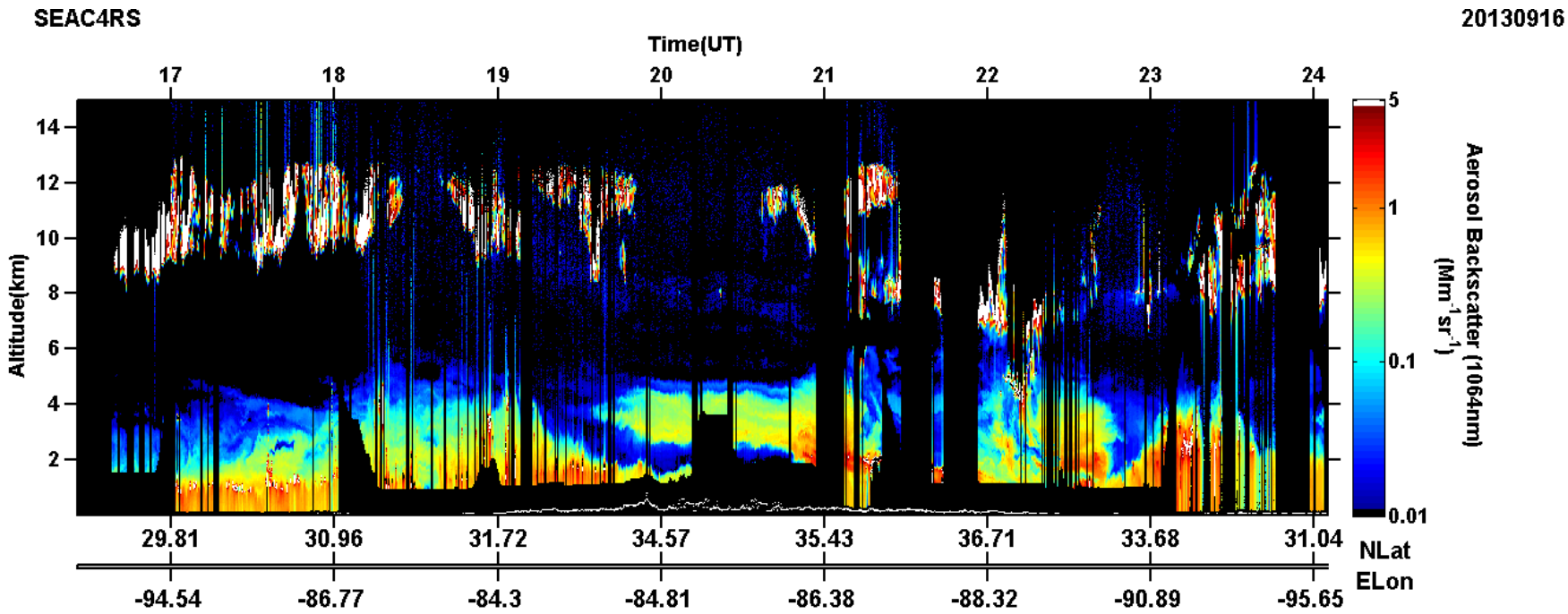
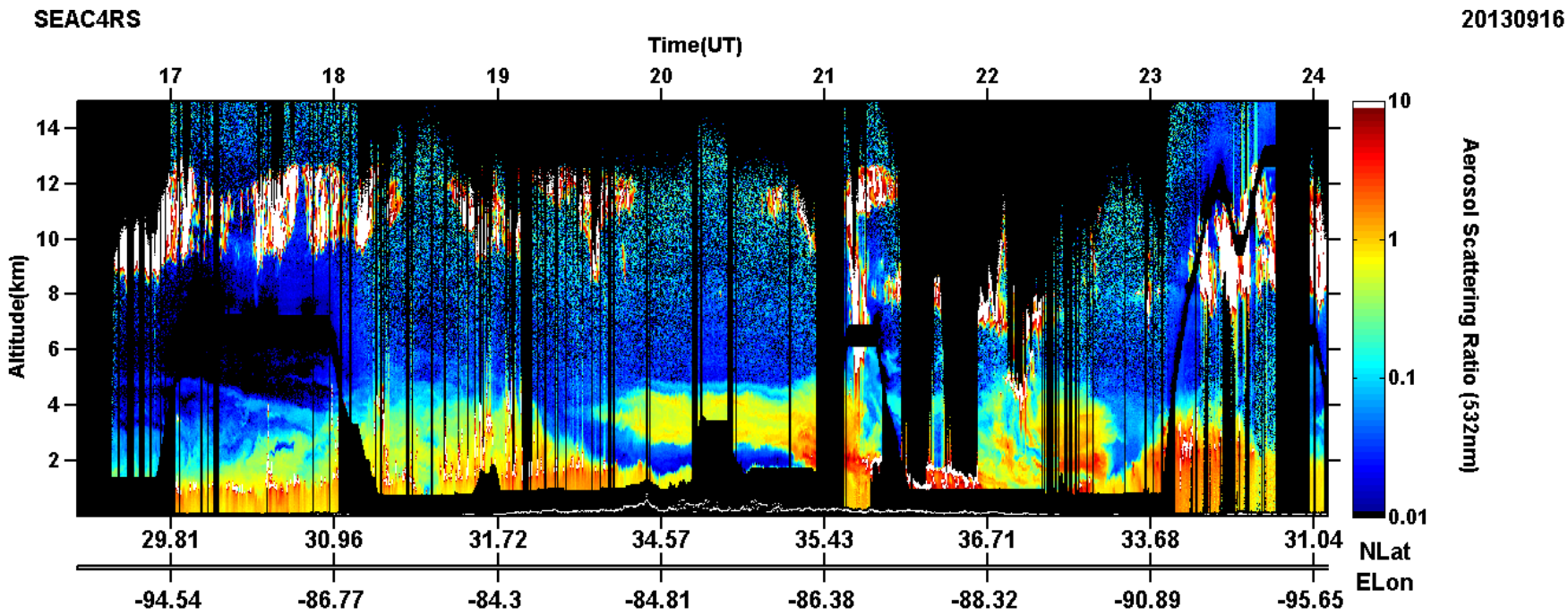
6
4
2
29.81
30.96
31.72
34.57
35.43
36.71
33.68
31.04
NLat
-94.54
-86.77
-84.3
-84.81
-86.38
-88.32
-90.89
-95.65
ELon
10
1
0.1
0.01
Aerosol Backscatter (532nm)
(Mm-1 sr-1)


SEAC4RS
20130916
Time(UT)
17
18
19
20
21
22
23
24
Altitude(km)
14
12
10
8
6
4
2
29.81
30.96
31.72
34.57
35.43
36.71
33.68
31.04
NLat
-94.54
-86.77
-84.3
-84.81
-86.38
-88.32
-90.89
-95.65
ELon
5
1
0.1
0.01
Aerosol Backscatter (1064nm)
(Mm-1 sr-1)


SEAC4RS
20130916
Time(UT)
17
18
19
20
21
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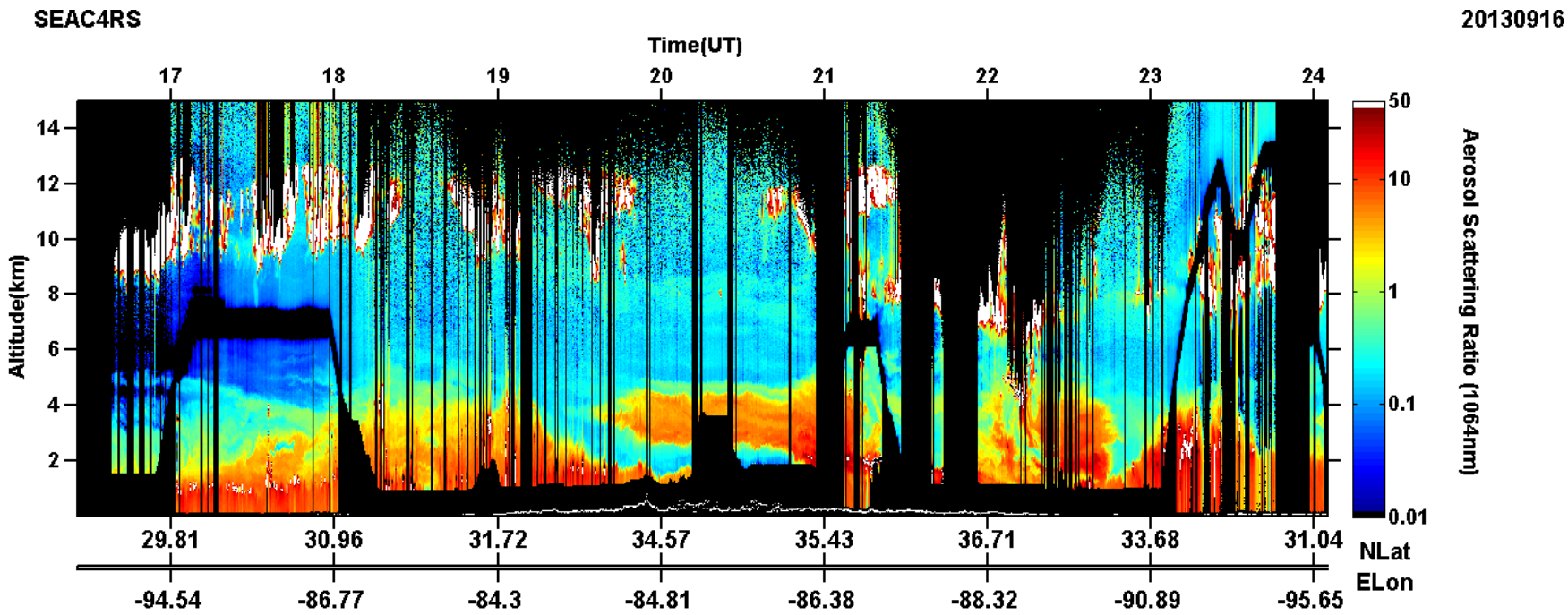
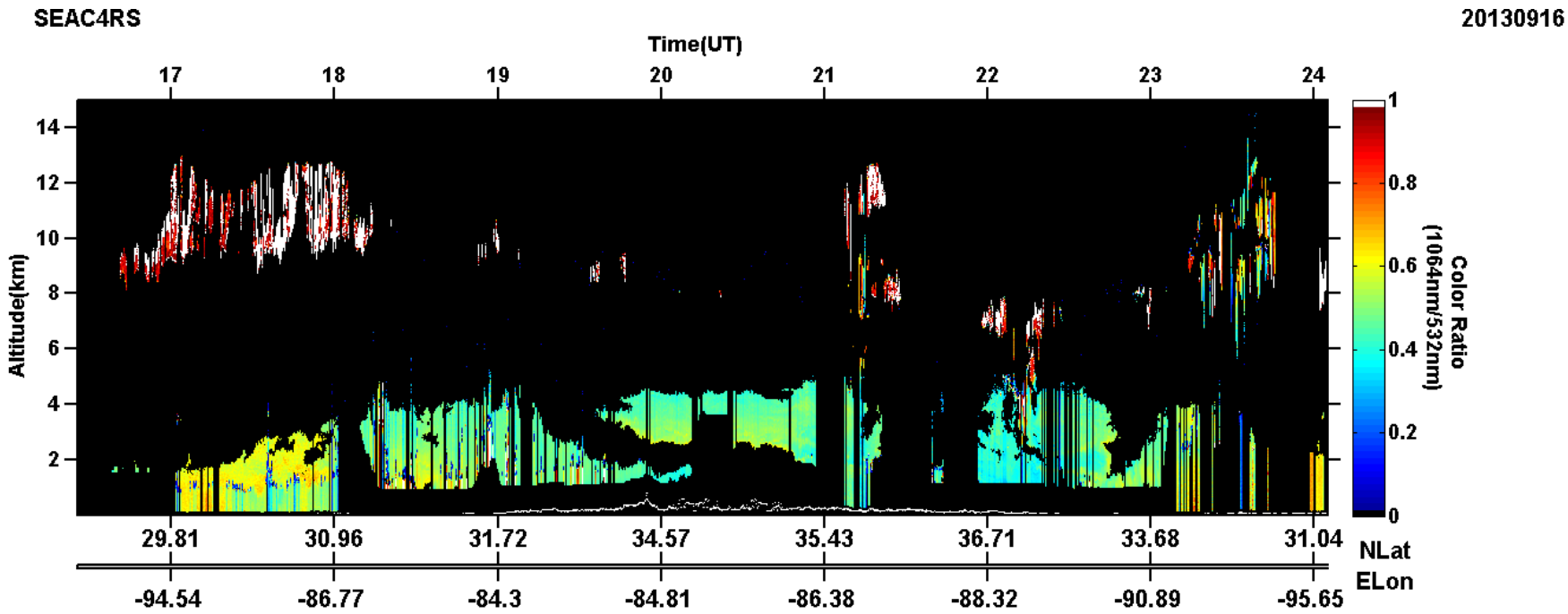
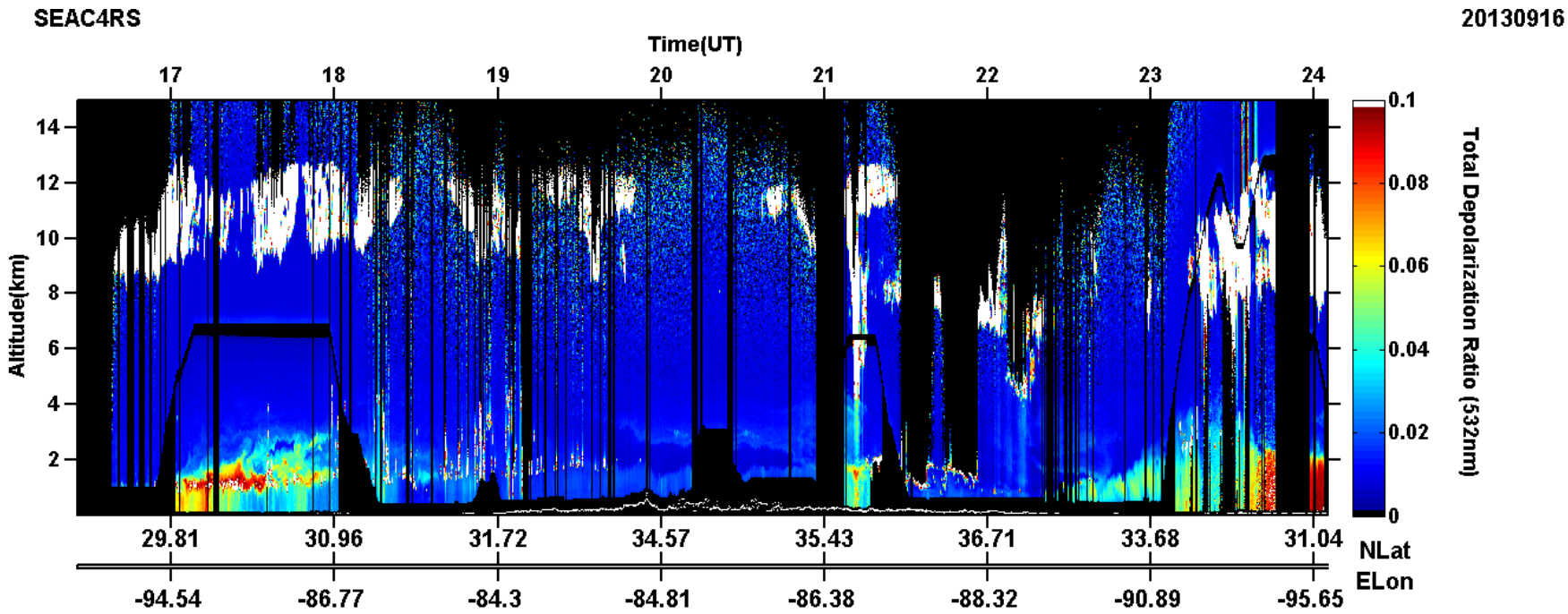
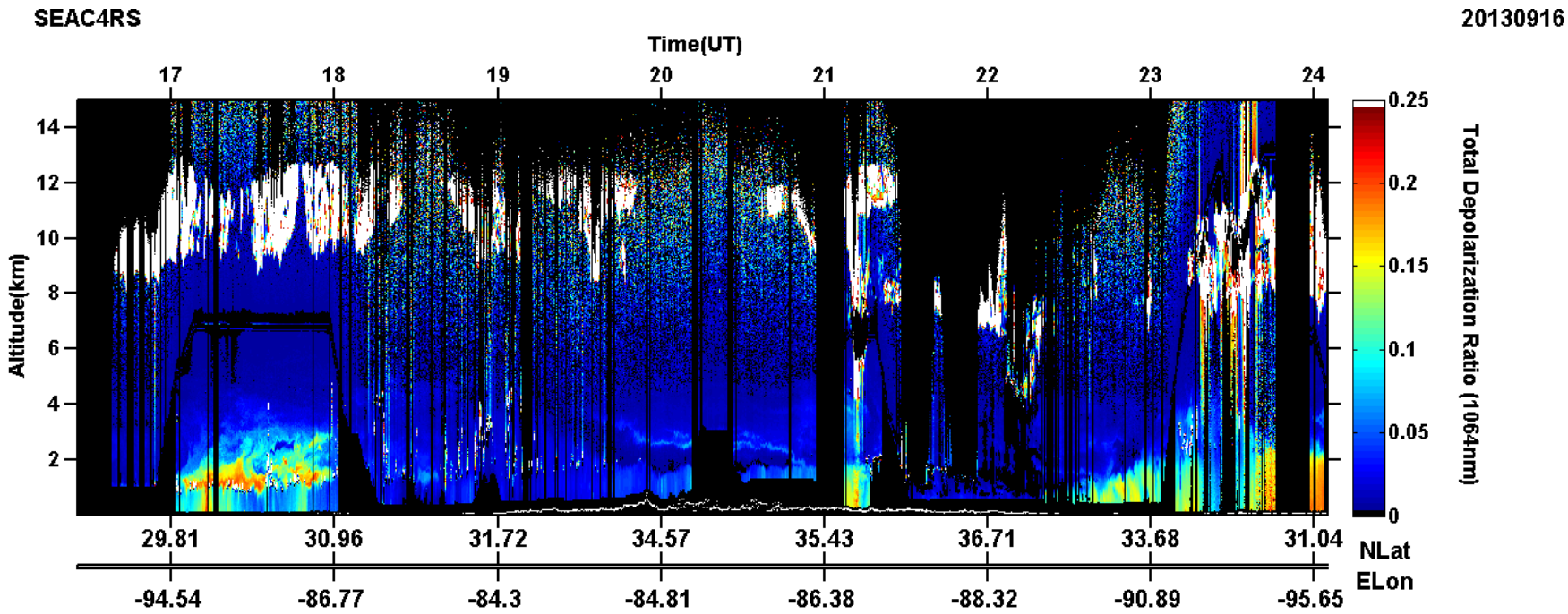
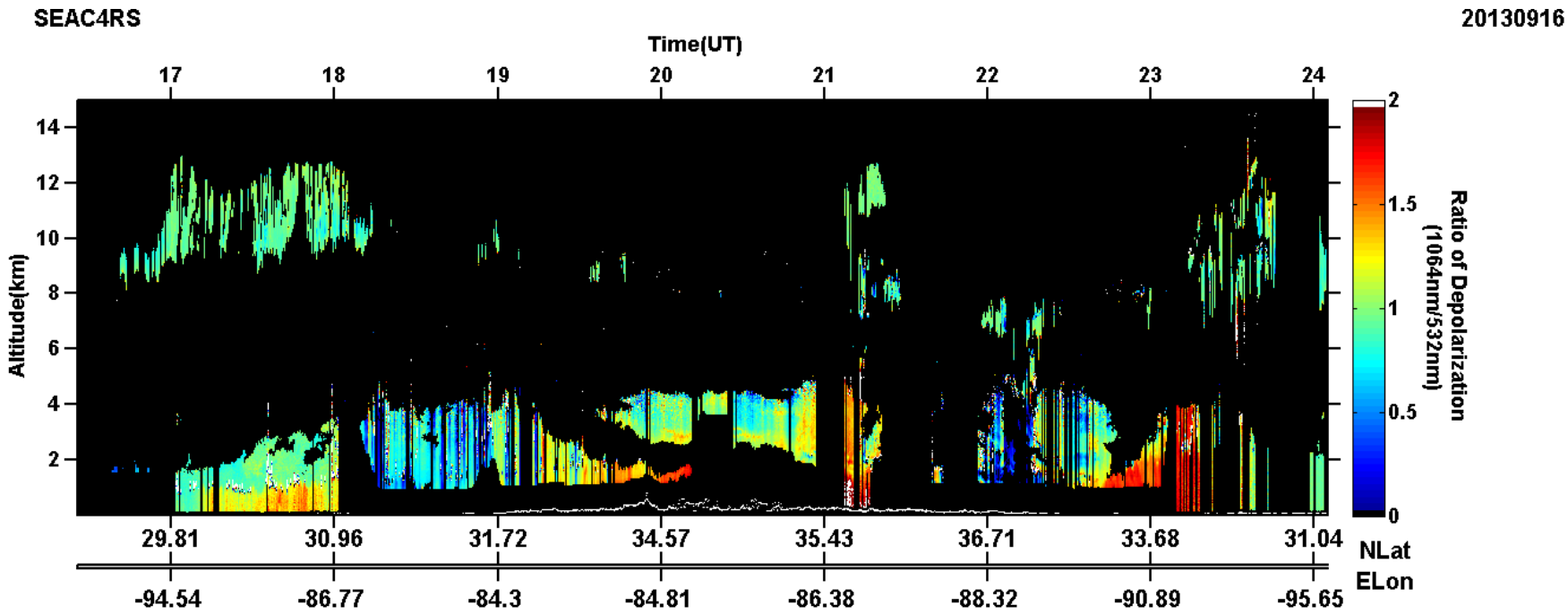
23
24
Altitude(km)
14
12
10
8
6
4
2
29.81
30.96
31.72
34.57
35.43
36.71
33.68
31.04
NLat
-94.54
-86.77
-84.3
-84.81
-86.38
-88.32
-90.89
-95.65
ELon
10
1
0.1
0.01
Aerosol Scattering Ratio (532nm)

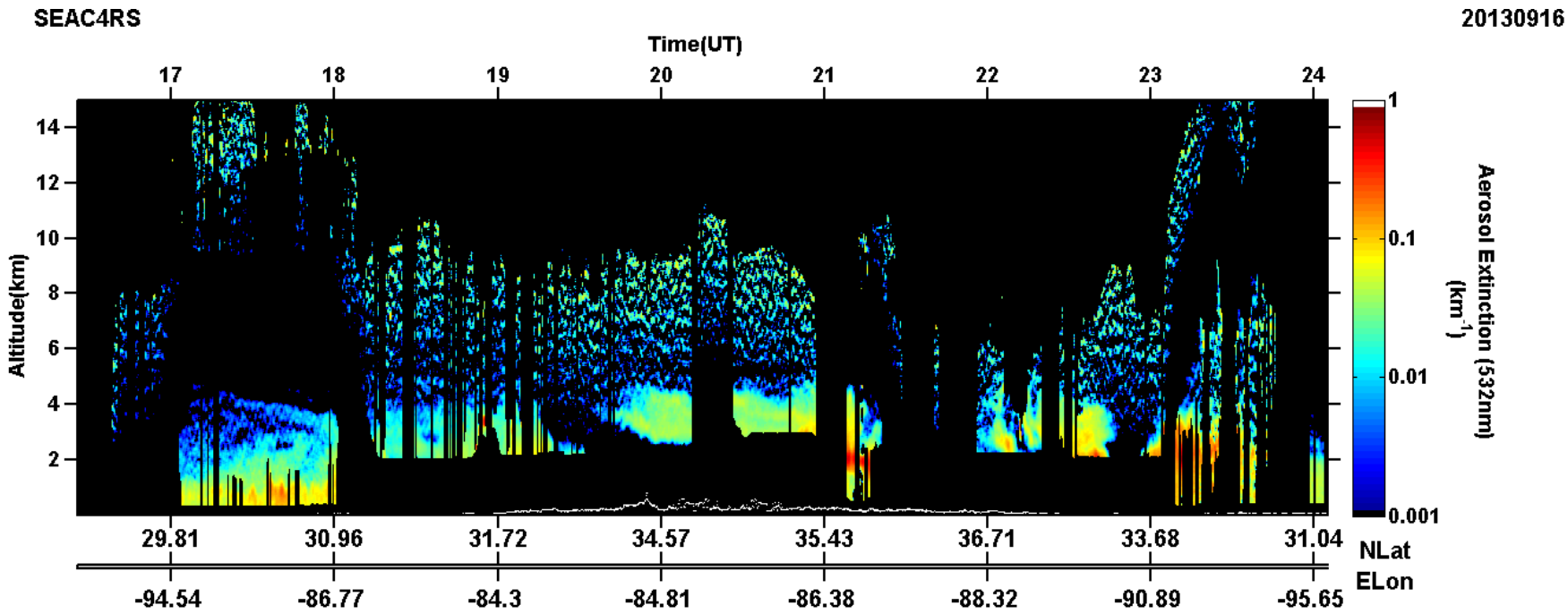

SEAC4RS
20130916
Time(UT)
17
18
19
20
21
22
23
24
Altitude(km)
14
12
10
8
6
4
2
29.81
30.96
31.72
34.57
35.43
36.71
33.68
31.04
NLat
-94.54
-86.77
-84.3
-84.81
-86.38
-88.32
-90.89
-95.65
ELon
50
10
1
0.1
0.01
Aerosol Scattering Ratio (1064nm)

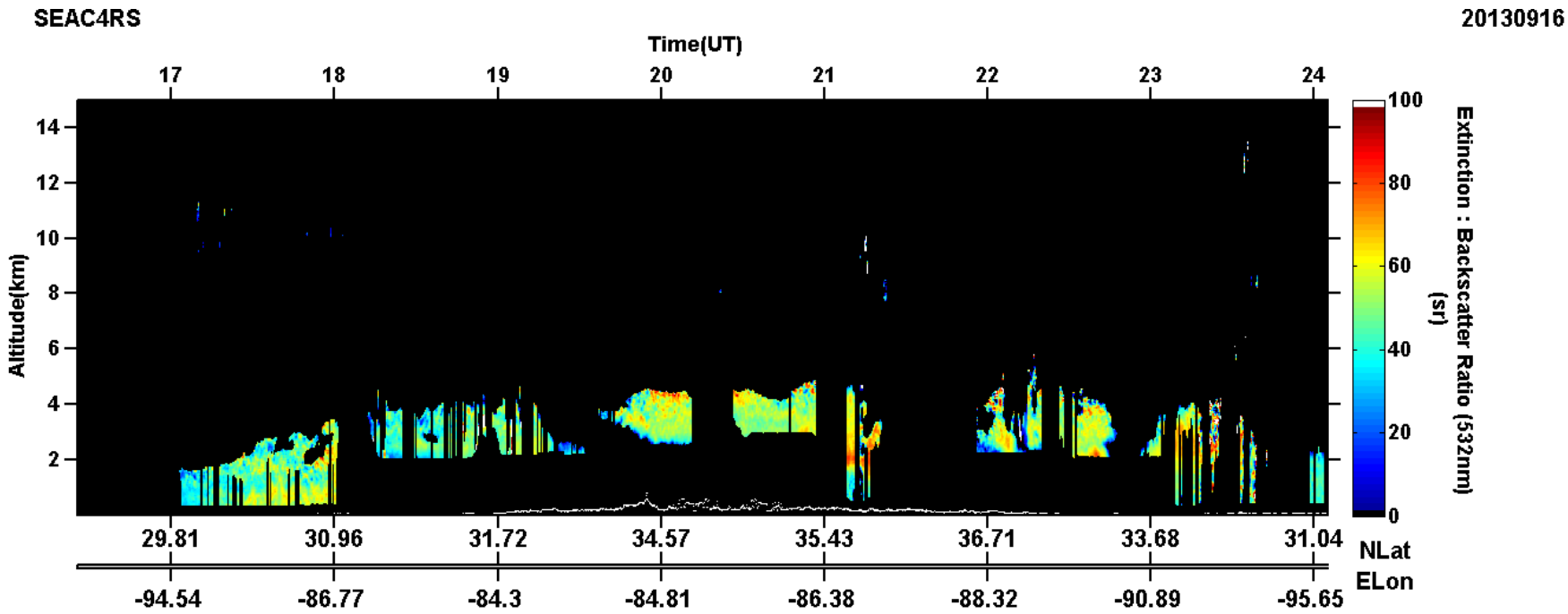

SEAC4RS
20130916
Time(UT)
17
18
19
20
21
22
23
24
Altitude(km)
14
12
10
8
6
4
2
29.81
30.96
31.72
34.57
35.43
36.71
33.68
31.04
NLat
-94.54
-86.77
-84.3
-84.81
-86.38
-88.32
-90.89
-95.65
ELon
Color Ratio
(1064nm/532nm)
1
0.8
0.6
0.4
0.2
0

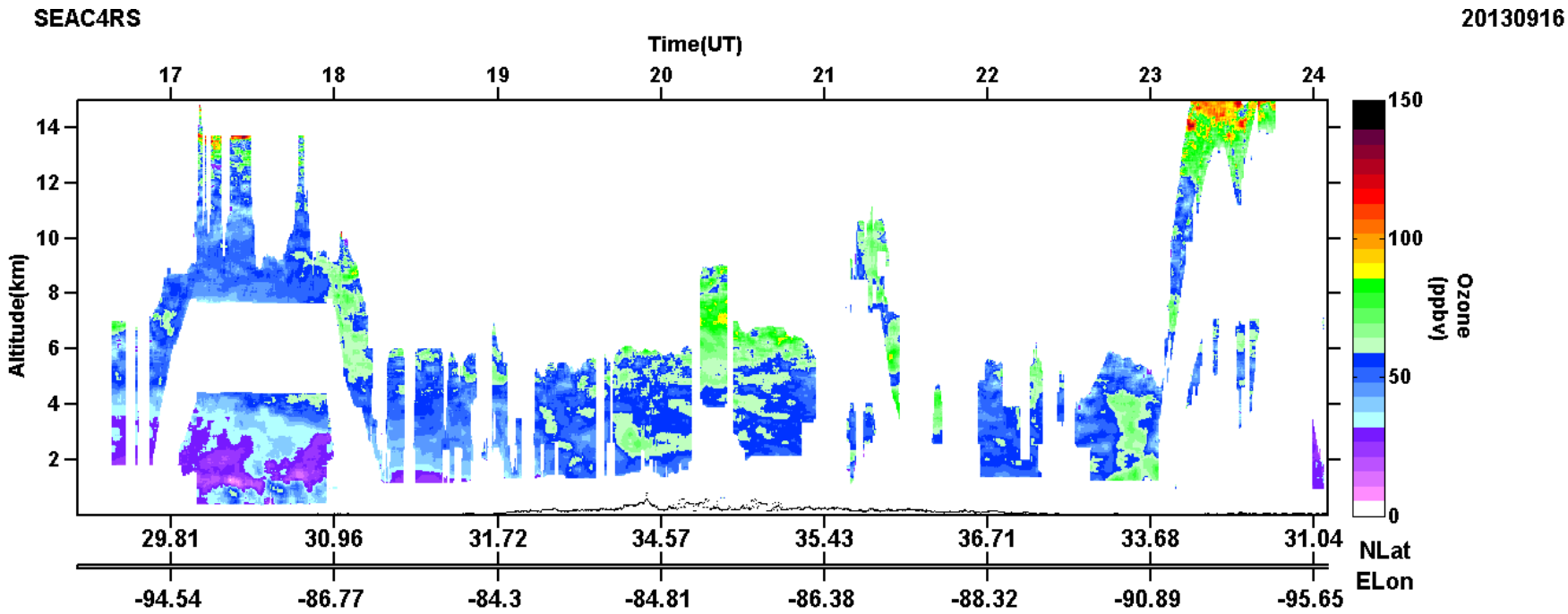

SEAC4RS
20130916
Time(UT)
17
18
19
20
21
22
23
24
Altitude(km)
14
12
10
8
6
4
2
29.81
30.96
31.72
34.57
35.43
36.71
33.68
31.04
NLat
-94.54
-86.77
-84.3
-84.81
-86.38
-88.32
-90.89
-95.65
ELon
0.1
0.08
0.06
0.04
0.02
0
Total Depolarization Ratio (532nm)


SEAC4RS
20130916
Time(UT)
17
18
19
20
21
22
23
24
Altitude(km)
14
12
10
8
6
4
2
29.81
30.96
31.72
34.57
35.43
36.71
33.68
31.04
NLat
-94.54
-86.77
-84.3
-84.81
-86.38
-88.32
-90.89
-95.65
ELon
0.25
0.2
0.15
0.1
0.05
0
Total Depolarization Ratio (1064nm)


SEAC4RS
20130916
Time(UT)
17
18
19
20
21
22
23
24
Altitude(km)
14
12
10
8
6
4
2
29.81
30.96
31.72
34.57
35.43
36.71
33.68
31.04
NLat
-94.54
-86.77
-84.3
-84.81
-86.38
-88.32
-90.89
-95.65
ELon
Ratio of Depolarization
(1064nm/532nm)
2
1.5
1
0.5
0


SEAC4RS
20130916
Time(UT)
17
18
19
20
21
22
23
24
Altitude(km)
14
12
10
8
6
4
2
29.81
30.96
31.72
34.57
35.43
36.71
33.68
31.04
NLat
-94.54
-86.77
-84.3
-84.81
-86.38
-88.32
-90.89
-95.65
ELon
1
0.1
0.01
0.001
Aerosol Extinction (532nm)
(km^{-1})


SEAC4RS
20130916
Time(UT)
17
18
19
20
21
22
23
24
Altitude(km)
14
12
10
8
6
4
2
29.81
30.96
31.72
34.57
35.43
36.71
33.68
31.04
NLat
-94.54
-86.77
-84.3
-84.81
-86.38
-88.32
-90.89
-95.65
ELon
100
80
60
40
20
0
Extinction : Backscatter Ratio (532nm)
(sr)


SEAC4RS
20130916
Time(UT)
17
18
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20
21
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23
24
Altitude(km)
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12
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8
6
4
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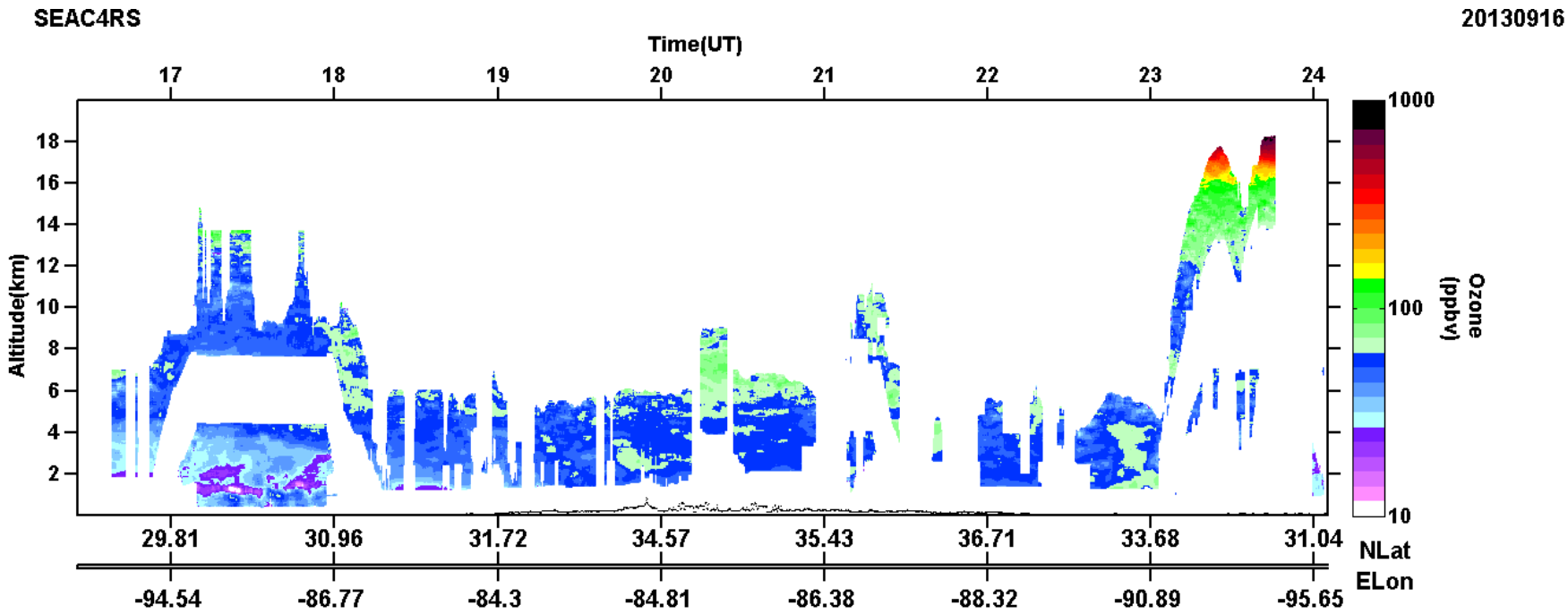
29.81
30.96
31.72
34.57
35.43
36.71
33.68
31.04
NLat
-94.54
-86.77
-84.3
-84.81
-86.38
-88.32
-90.89
-95.65
ELon
150
100
50
0
Ozone
(ppbv)


SEAC4RS
20130916
Time(UT)
17
18
19
20
21
22
23
24
Altitude(km)
18
16
14
12
10
8
6
4
2
29.81
30.96
31.72
34.57
35.43
36.71
33.68
31.04
NLat
-94.54
-86.77
-84.3
-84.81
-86.38
-88.32
-90.89
-95.65
ELon
1000
100
10
Ozone
(ppbv)