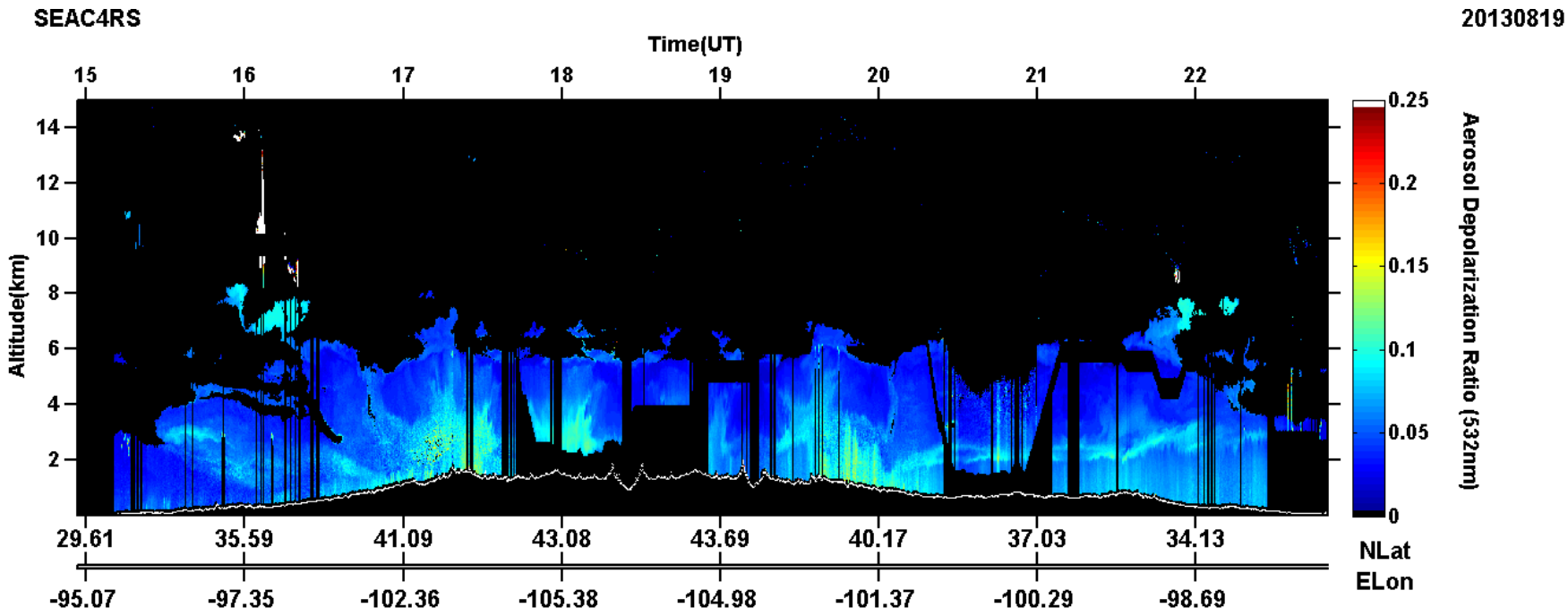
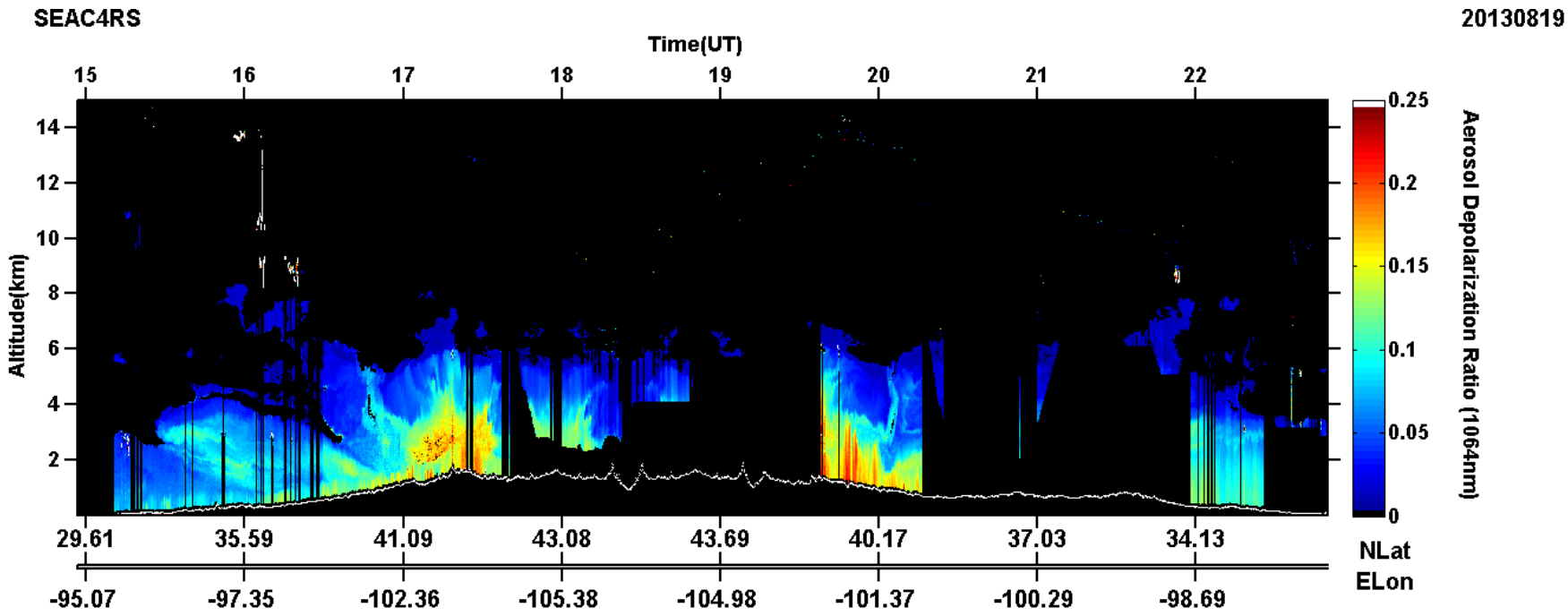
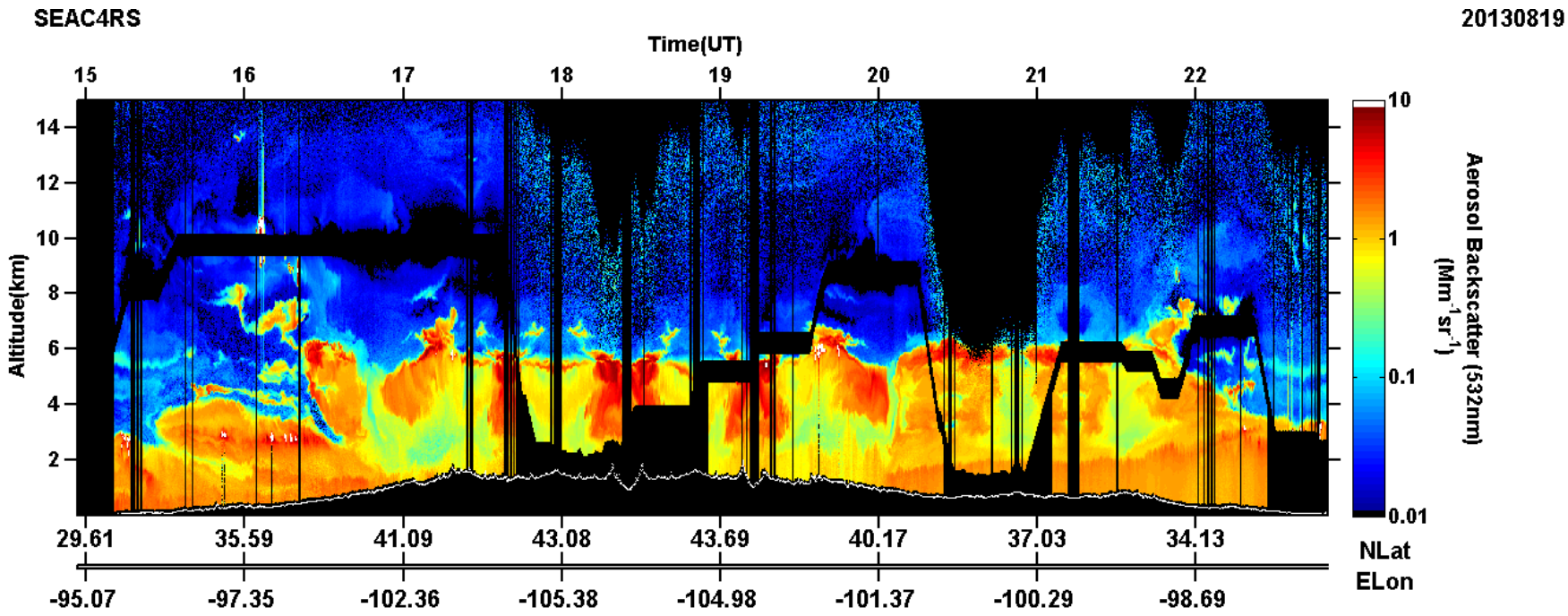

SEAC4RS
20130819
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
29.61
35.59
41.09
43.08
43.69
40.17
37.03
34.13
NLat
-95.07
-97.35
-102.36
-105.38
-104.98
-101.37
-100.29
-98.69
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (532nm)


SEAC4RS
20130819
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
29.61
35.59
41.09
43.08
43.69
40.17
37.03
34.13
-95.07
-97.35
-102.36
-105.38
-104.98
-101.37
-100.29
-98.69
NLat
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (1064nm)


SEAC4RS
20130819
Time(UT)
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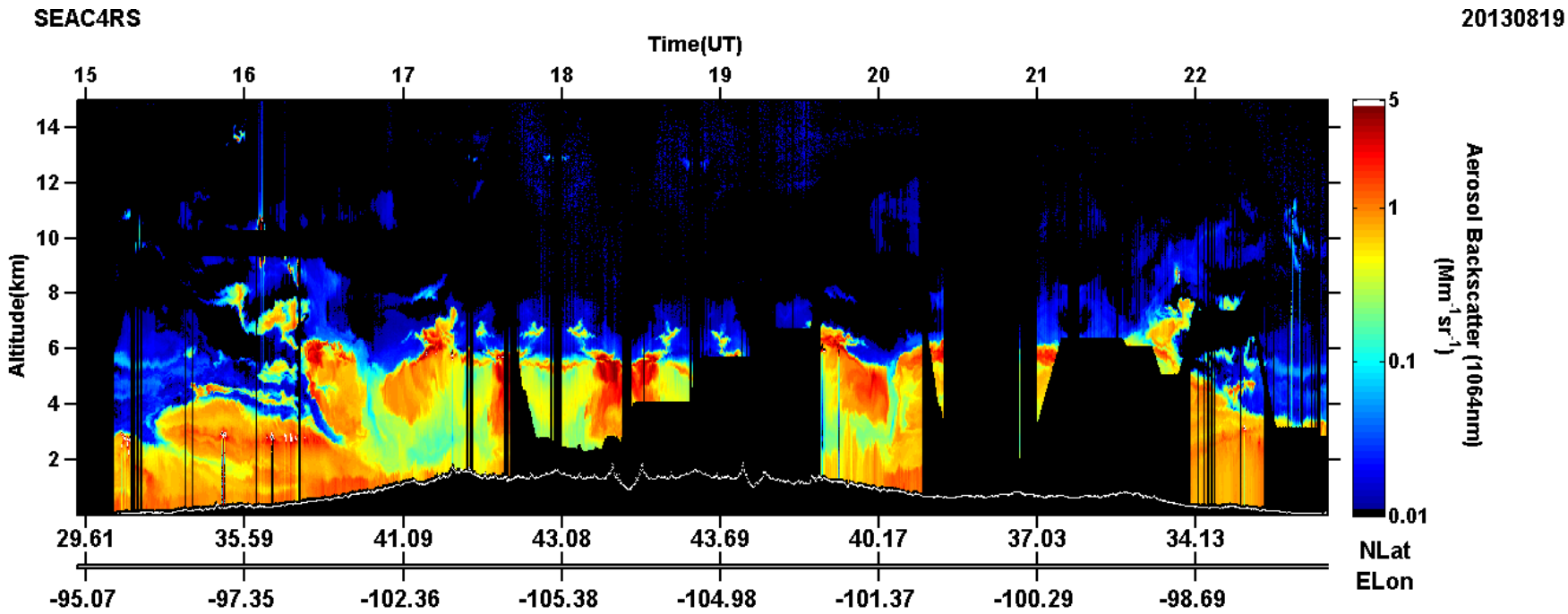
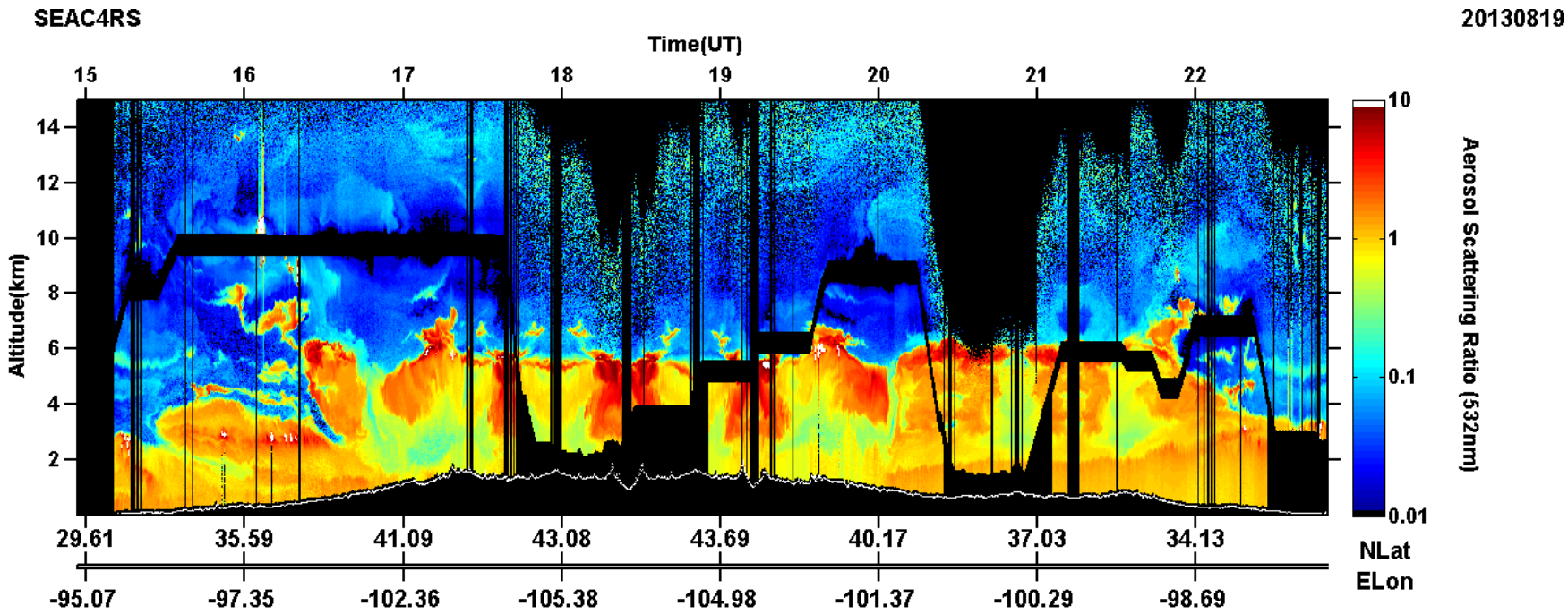
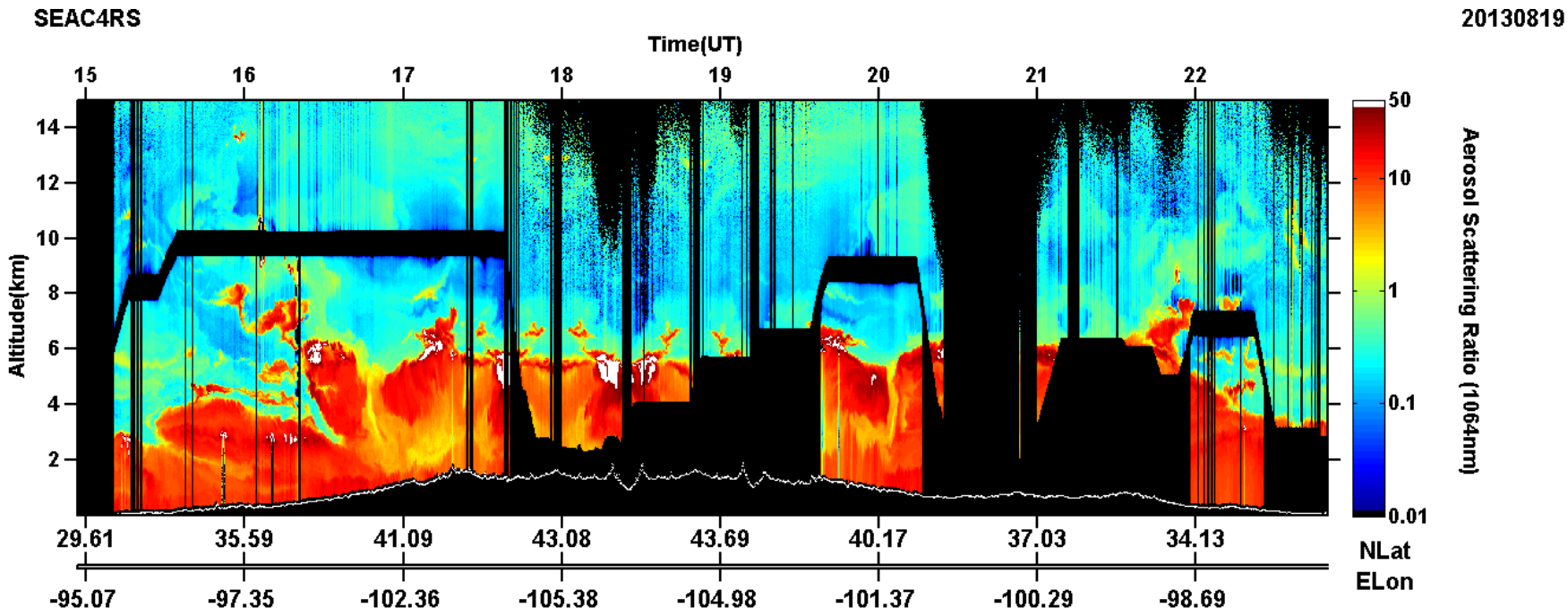
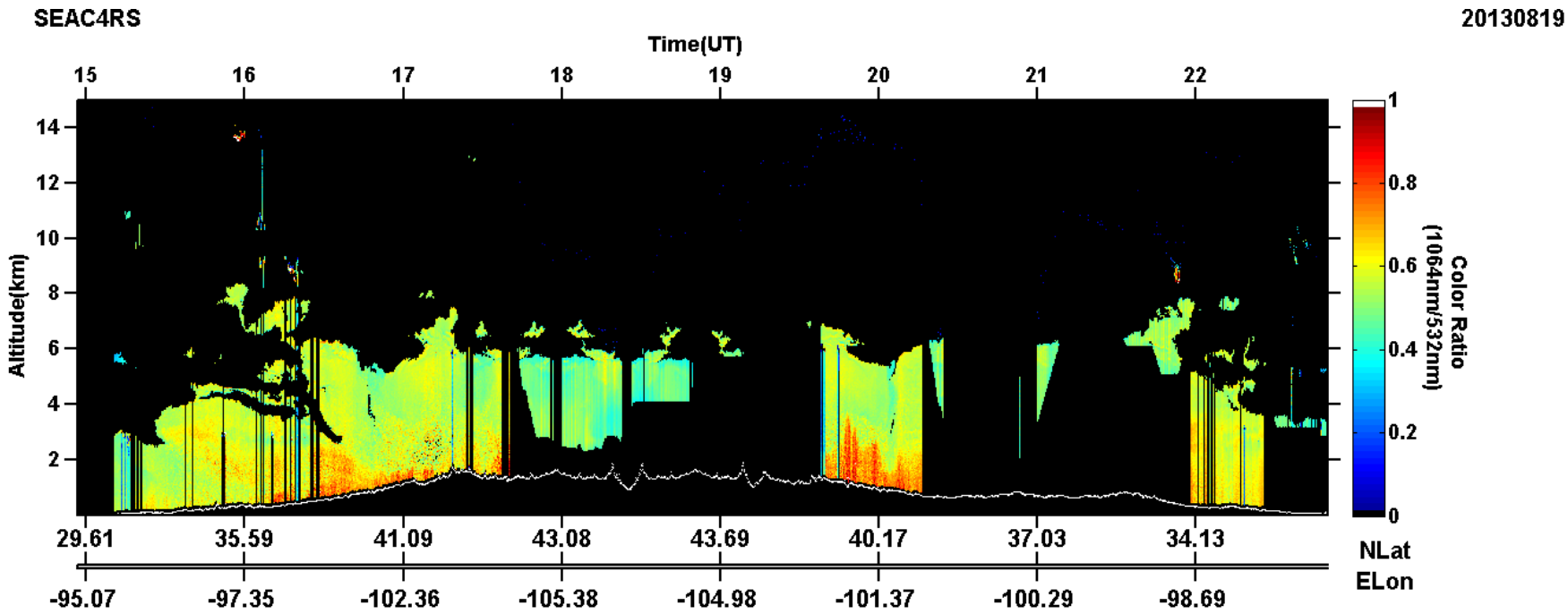
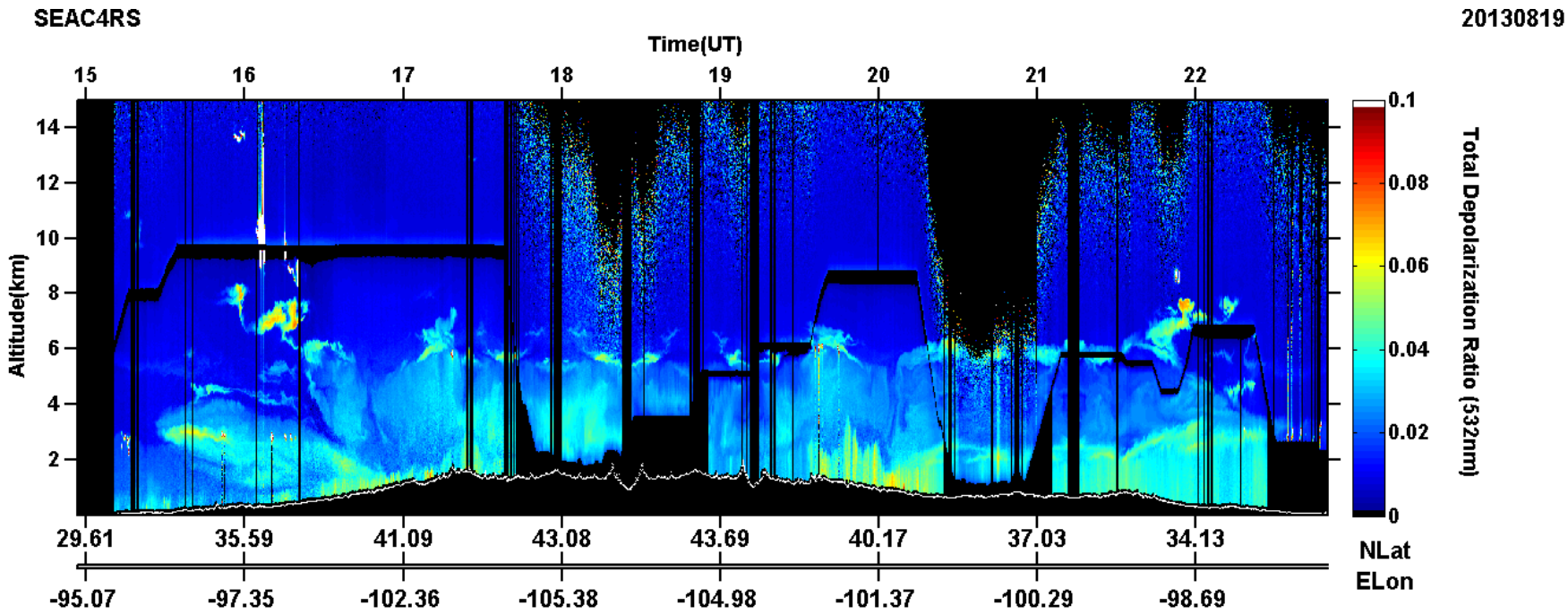
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
29.61
35.59
41.09
43.08
43.69
40.17
37.03
34.13
-95.07
-97.35
-102.36
-105.38
-104.98
-101.37
-100.29
-98.69
NLat
ELon
Aerosol Backscatter (532nm)
(Mm-1sr-1)
10
1
0.1
0.01

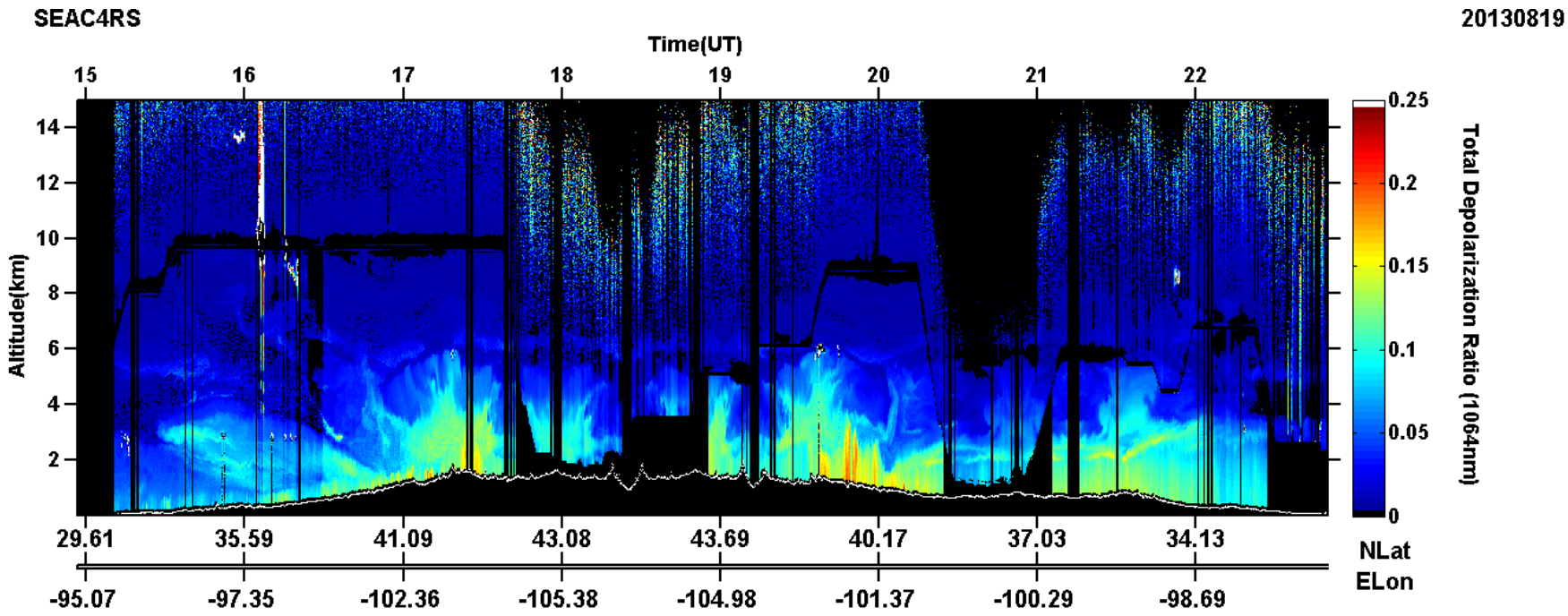

SEAC4RS
20130819
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
29.61
35.59
41.09
43.08
43.69
40.17
37.03
34.13
-95.07
-97.35
-102.36
-105.38
-104.98
-101.37
-100.29
-98.69
NLat
ELon
Aerosol Backscatter (1064nm)
(Mm-1sr-1)
5
1
0.1
0.01

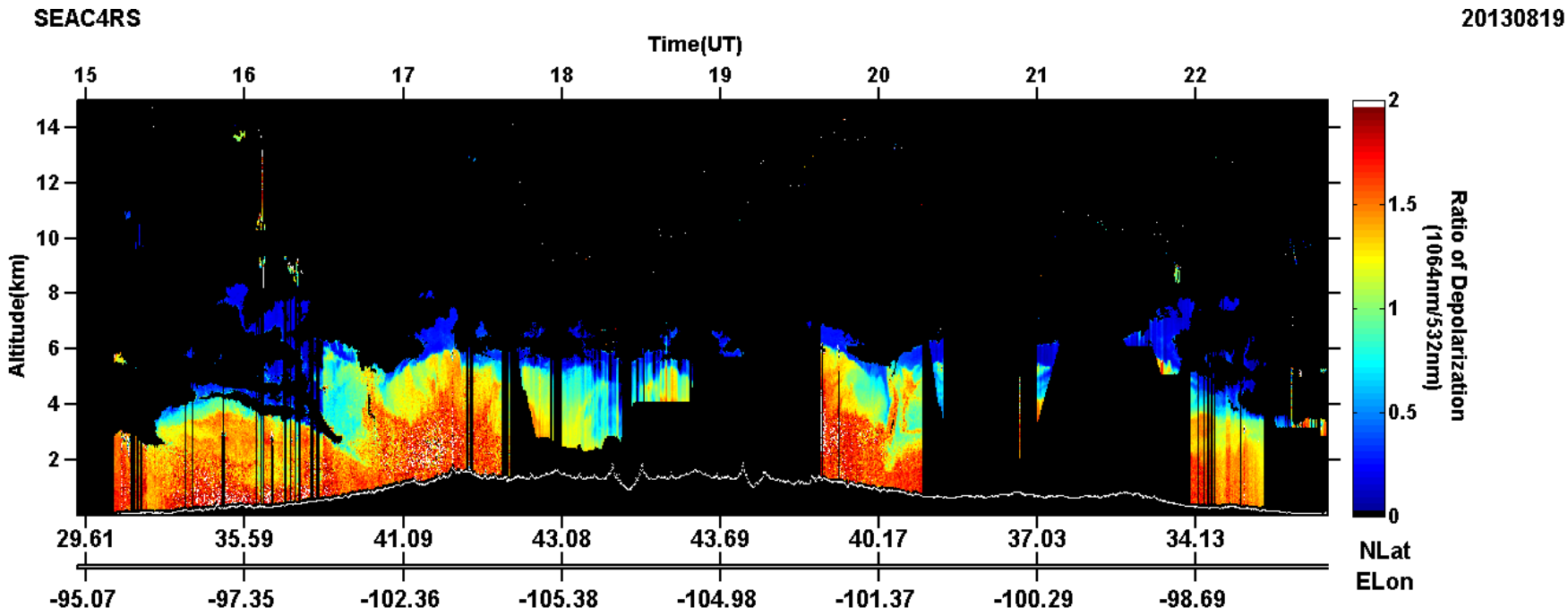

SEAC4RS
20130819
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
29.61
35.59
41.09
43.08
43.69
40.17
37.03
34.13
NLat
-95.07
-97.35
-102.36
-105.38
-104.98
-101.37
-100.29
-98.69
ELon
10
1
0.1
0.01
Aerosol Scattering Ratio (532nm)

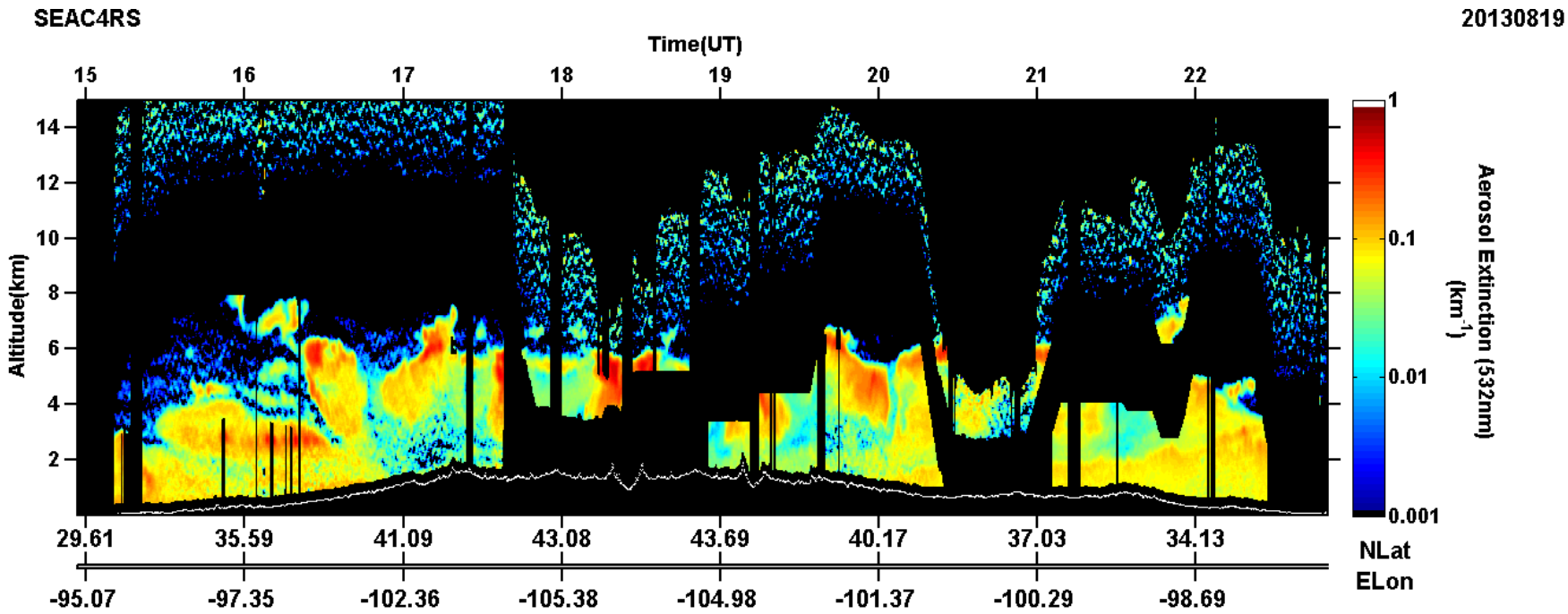

SEAC4RS
20130819
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
29.61
35.59
41.09
43.08
43.69
40.17
37.03
34.13
NLat
-95.07
-97.35
-102.36
-105.38
-104.98
-101.37
-100.29
-98.69
ELon
50
10
1
0.1
0.01
Aerosol Scattering Ratio (1064nm)

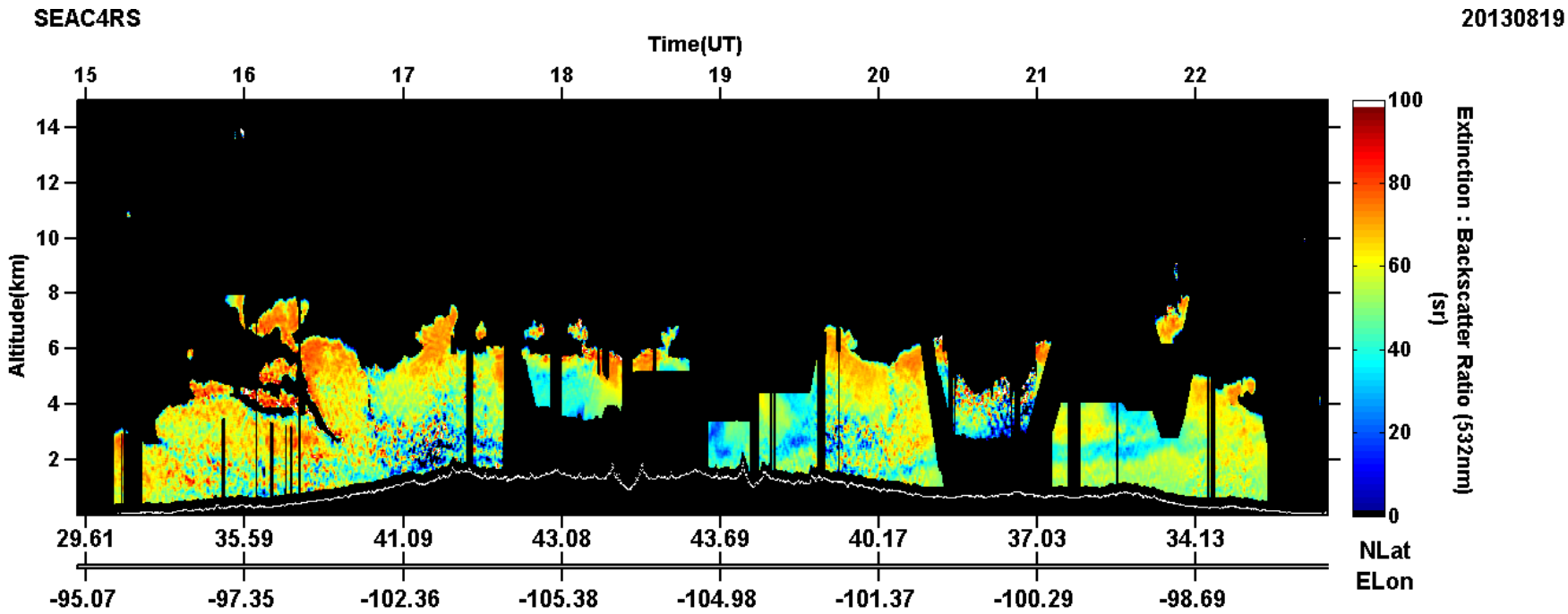

SEAC4RS
20130819
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
29.61
35.59
41.09
43.08
43.69
40.17
37.03
34.13
NLat
-95.07
-97.35
-102.36
-105.38
-104.98
-101.37
-100.29
-98.69
ELon
Color Ratio
(1064nm/532nm)
1
0.8
0.6
0.4
0.2
0

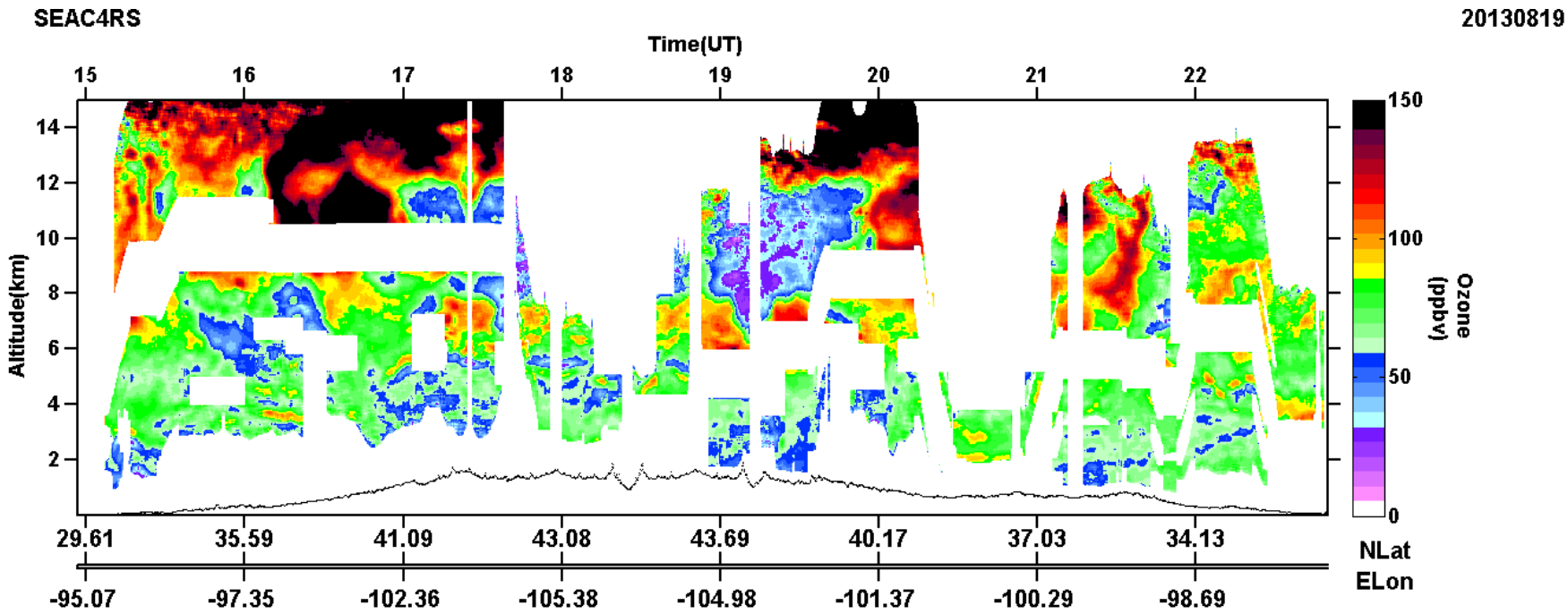

SEAC4RS
20130819
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
29.61
35.59
41.09
43.08
43.69
40.17
37.03
34.13
-95.07
-97.35
-102.36
-105.38
-104.98
-101.37
-100.29
-98.69
NLat
ELon
0.1
0.08
0.06
0.04
0.02
0
Total Depolarization Ratio (532nm)


SEAC4RS
20130819
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
29.61
35.59
41.09
43.08
43.69
40.17
37.03
34.13
-95.07
-97.35
-102.36
-105.38
-104.98
-101.37
-100.29
-98.69
NLat
ELon
0.25
0.2
0.15
0.1
0.05
0
Total Depolarization Ratio (1064nm)


SEAC4RS
20130819
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
29.61
35.59
41.09
43.08
43.69
40.17
37.03
34.13
-95.07
-97.35
-102.36
-105.38
-104.98
-101.37
-100.29
-98.69
NLat
ELon
Ratio of Depolarization
(1064nm/532nm)
2
1.5
1
0.5
0


SEAC4RS
20130819
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
29.61
35.59
41.09
43.08
43.69
40.17
37.03
34.13
-95.07
-97.35
-102.36
-105.38
-104.98
-101.37
-100.29
-98.69
NLat
ELon
1
0.1
0.01
0.001
Aerosol Extinction (532nm)
(km^{-1})


SEAC4RS
20130819
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
29.61
35.59
41.09
43.08
43.69
40.17
37.03
34.13
NLat
-95.07
-97.35
-102.36
-105.38
-104.98
-101.37
-100.29
-98.69
ELon
100
80
60
40
20
0
Extinction : Backscatter Ratio (532nm)
(sr)


SEAC4RS
20130819
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
14
12
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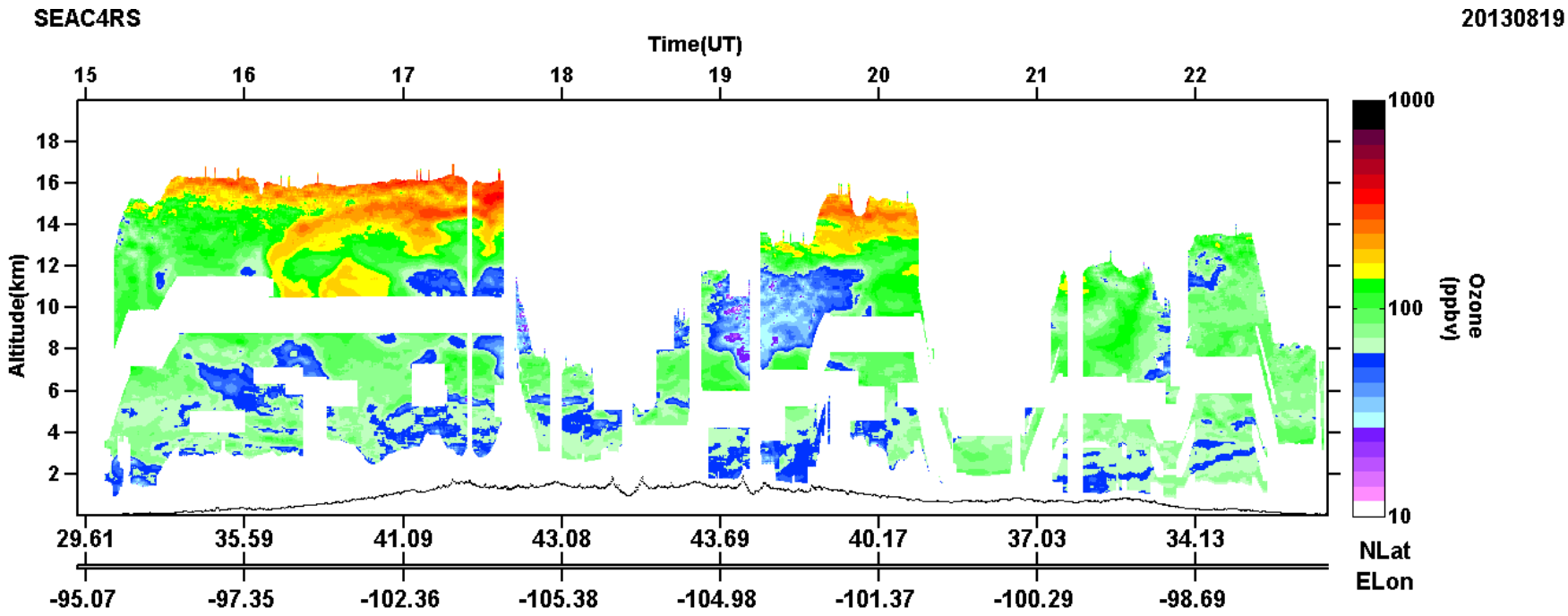
8
6
4
2
29.61
35.59
41.09
43.08
43.69
40.17
37.03
34.13
-95.07
-97.35
-102.36
-105.38
-104.98
-101.37
-100.29
-98.69
NLat
ELon
Ozone (ppbv)
150
100
50
0


SEAC4RS
20130819
Time(UT)
15
16
17
18
19
20
21
22
Altitude(km)
18
16
14
12
10
8
6
4
2
29.61
35.59
41.09
43.08
43.69
40.17
37.03
34.13
-95.07
-97.35
-102.36
-105.38
-104.98
-101.37
-100.29
-98.69
NLat
ELon
1000
100
10
Ozone
(ppbv)