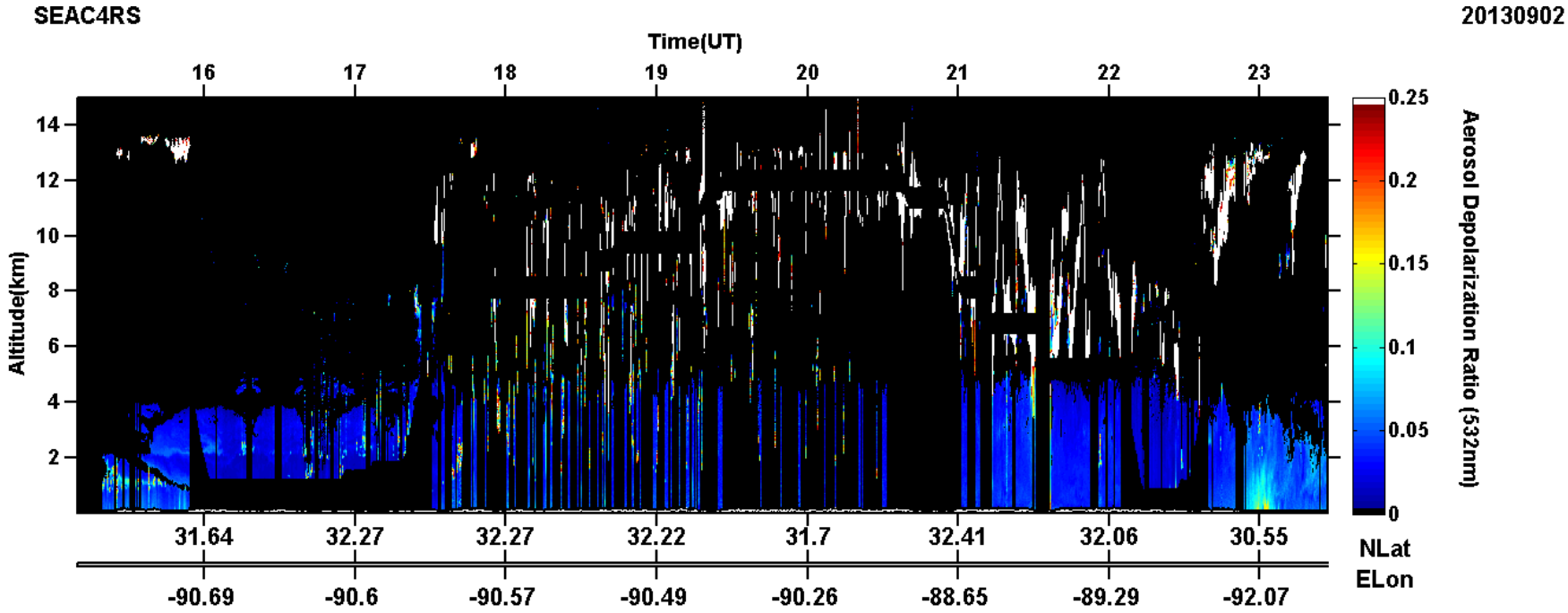
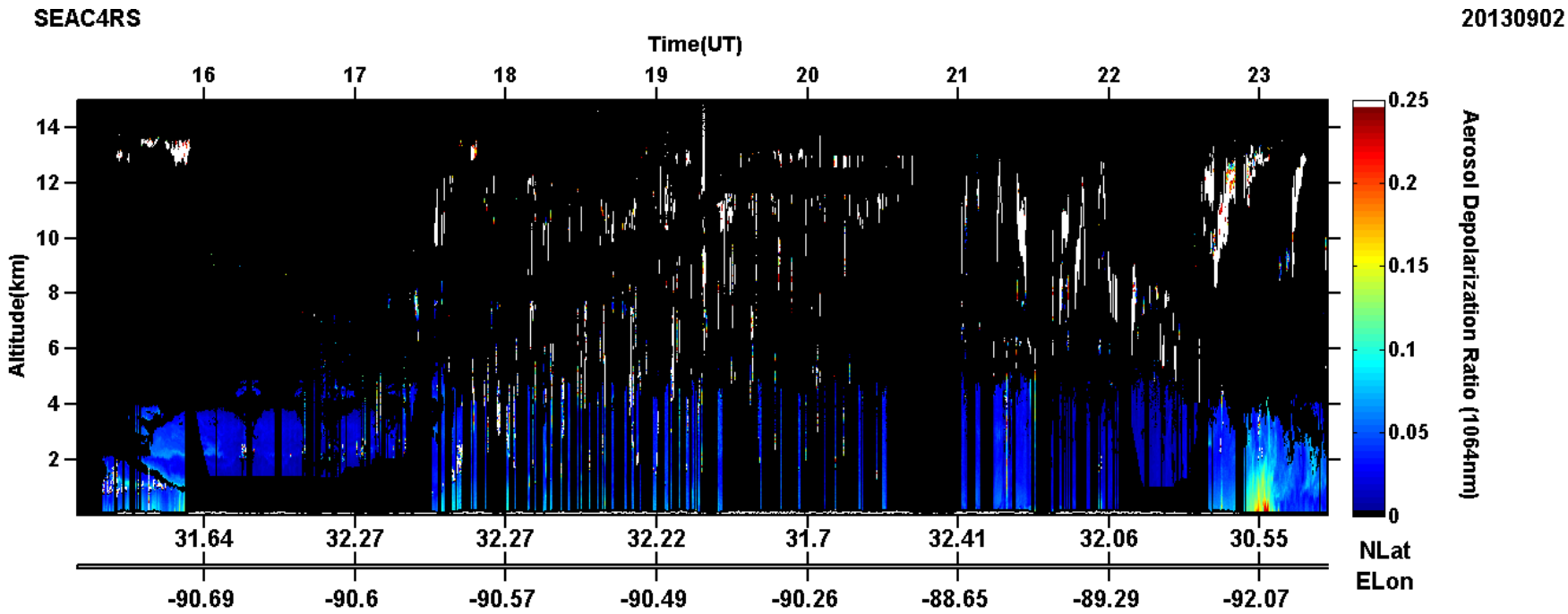

SEAC4RS
20130902
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
31.64
32.27
32.27
32.22
31.7
32.41
32.06
30.55
NLat
-90.69
-90.6
-90.57
-90.49
-90.26
-88.65
-89.29
-92.07
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (532nm)


SEAC4RS
20130902
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
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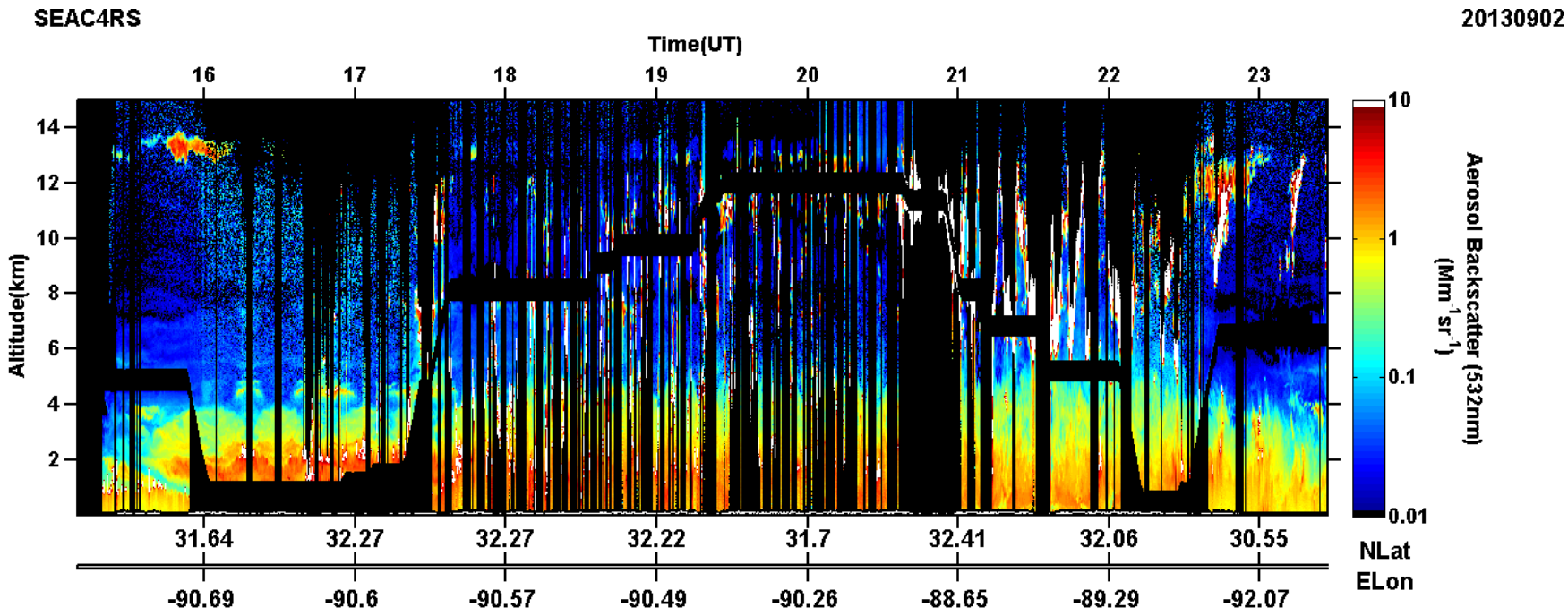
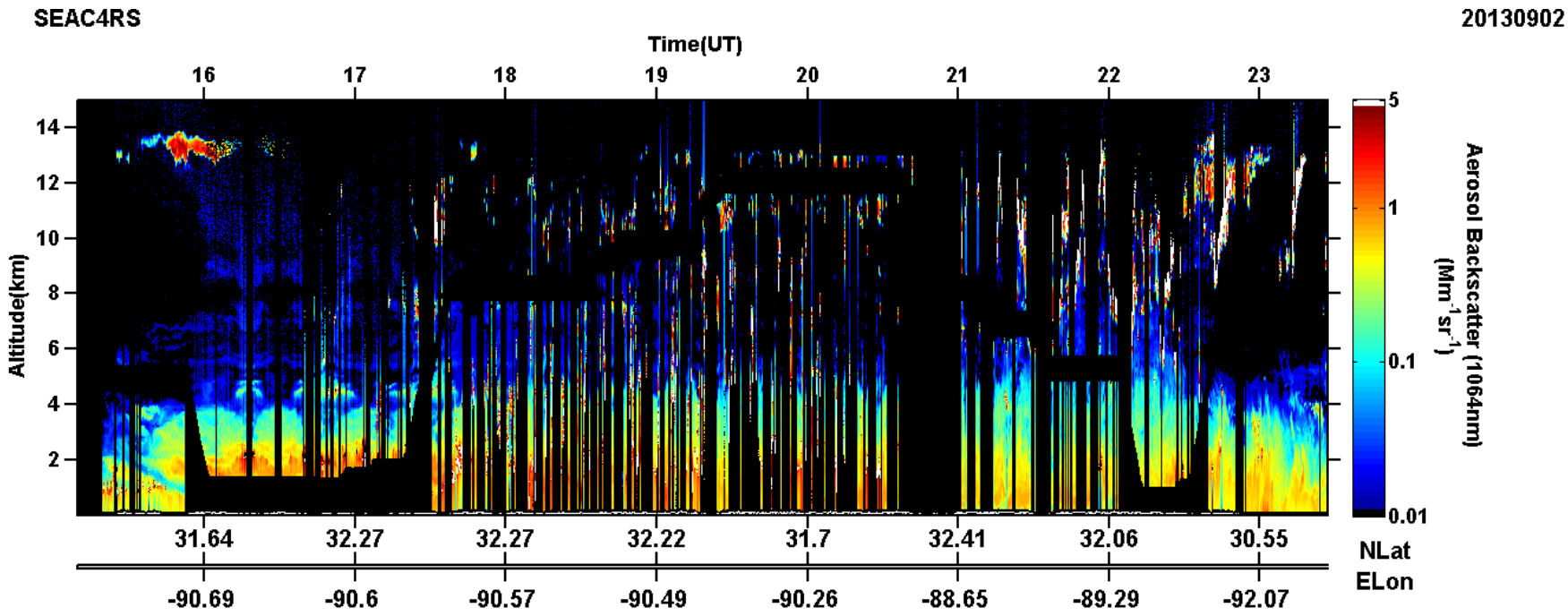
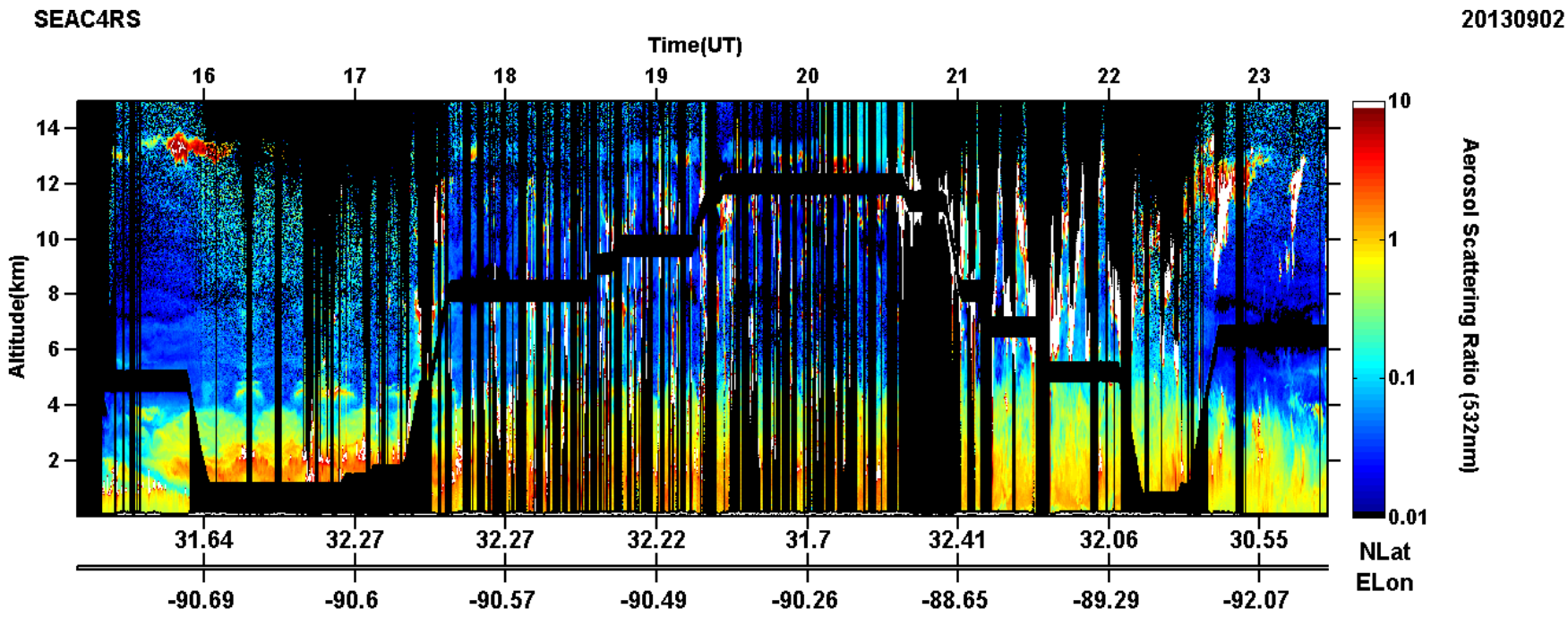
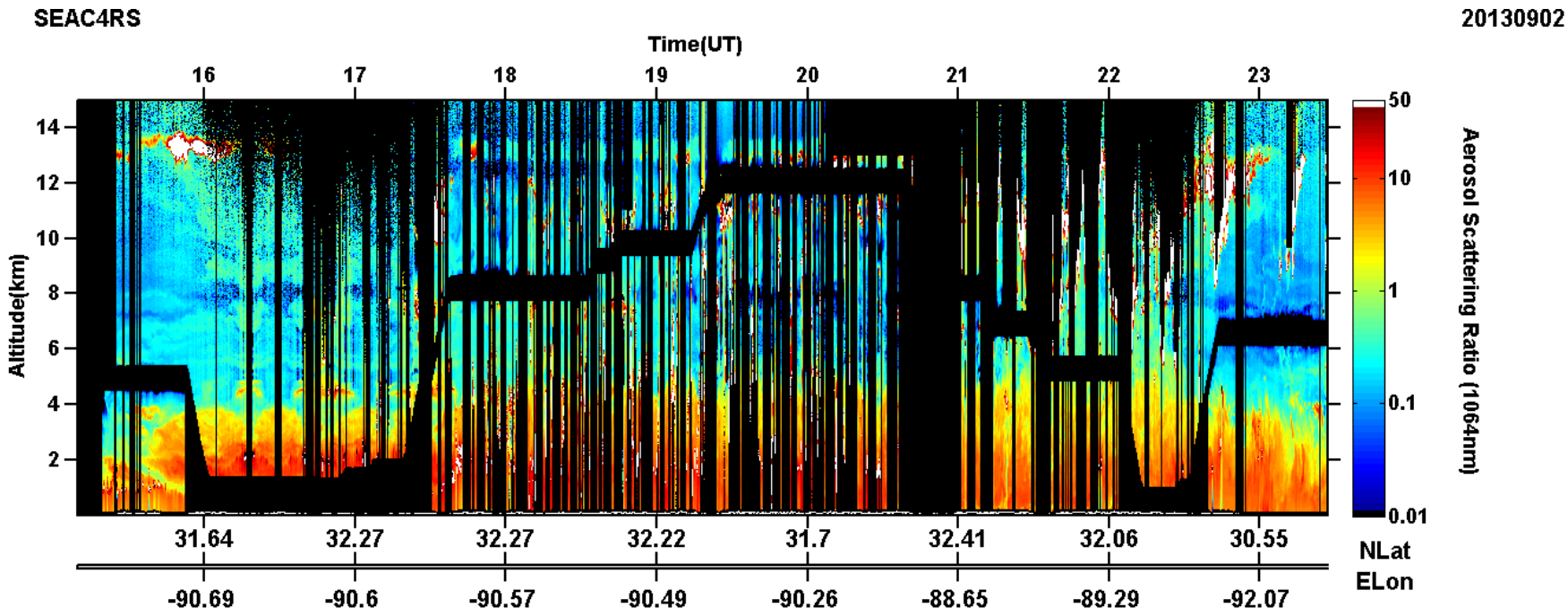
12
10
8
6
4
2
31.64
32.27
32.27
32.22
31.7
32.41
32.06
30.55
NLat
-90.69
-90.6
-90.57
-90.49
-90.26
-88.65
-89.29
-92.07
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (1064nm)


SEAC4RS
20130902
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
31.64
32.27
32.27
32.22
31.7
32.41
32.06
30.55
NLat
-90.69
-90.6
-90.57
-90.49
-90.26
-88.65
-89.29
-92.07
ELon
10
1
0.1
0.01
Aerosol Backscatter (532nm)
(Mm-1sr-1)


SEAC4RS
20130902
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
31.64
32.27
32.27
32.22
31.7
32.41
32.06
30.55
NLat
-90.69
-90.6
-90.57
-90.49
-90.26
-88.65
-89.29
-92.07
ELon
Aerosol Backscatter (1064nm)
(Mm-1sr-1)
5
1
0.1
0.01


SEAC4RS
20130902
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
31.64
32.27
32.27
32.22
31.7
32.41
32.06
30.55
NLat
-90.69
-90.6
-90.57
-90.49
-90.26
-88.65
-89.29
-92.07
ELon
10
1
0.1
0.01
Aerosol Scattering Ratio (532nm)


SEAC4RS
20130902
Time(UT)
16
17
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20
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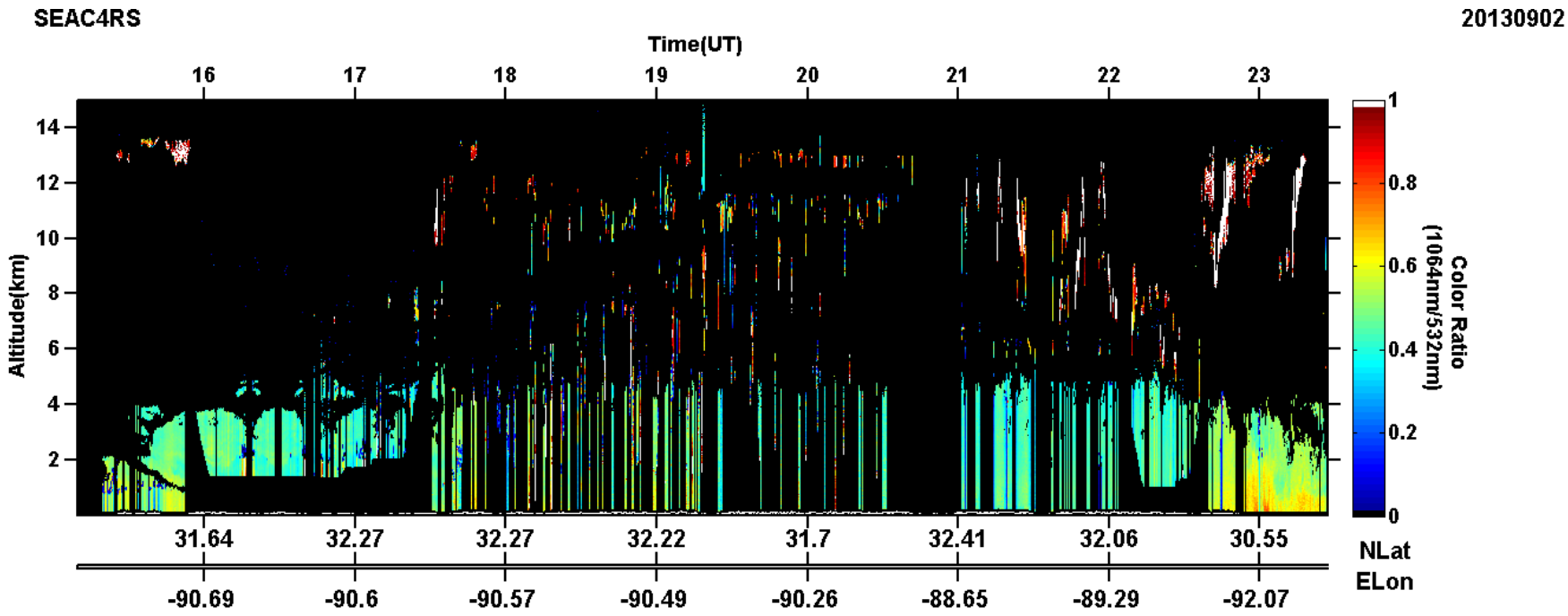
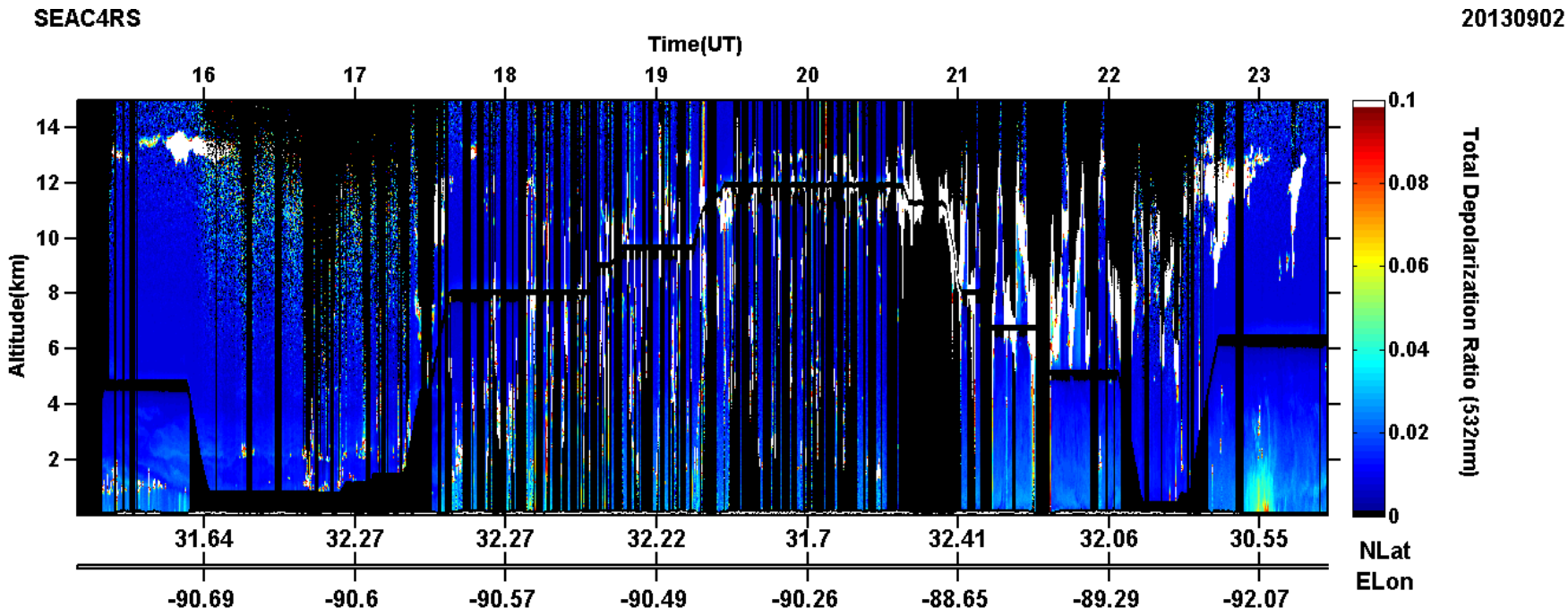
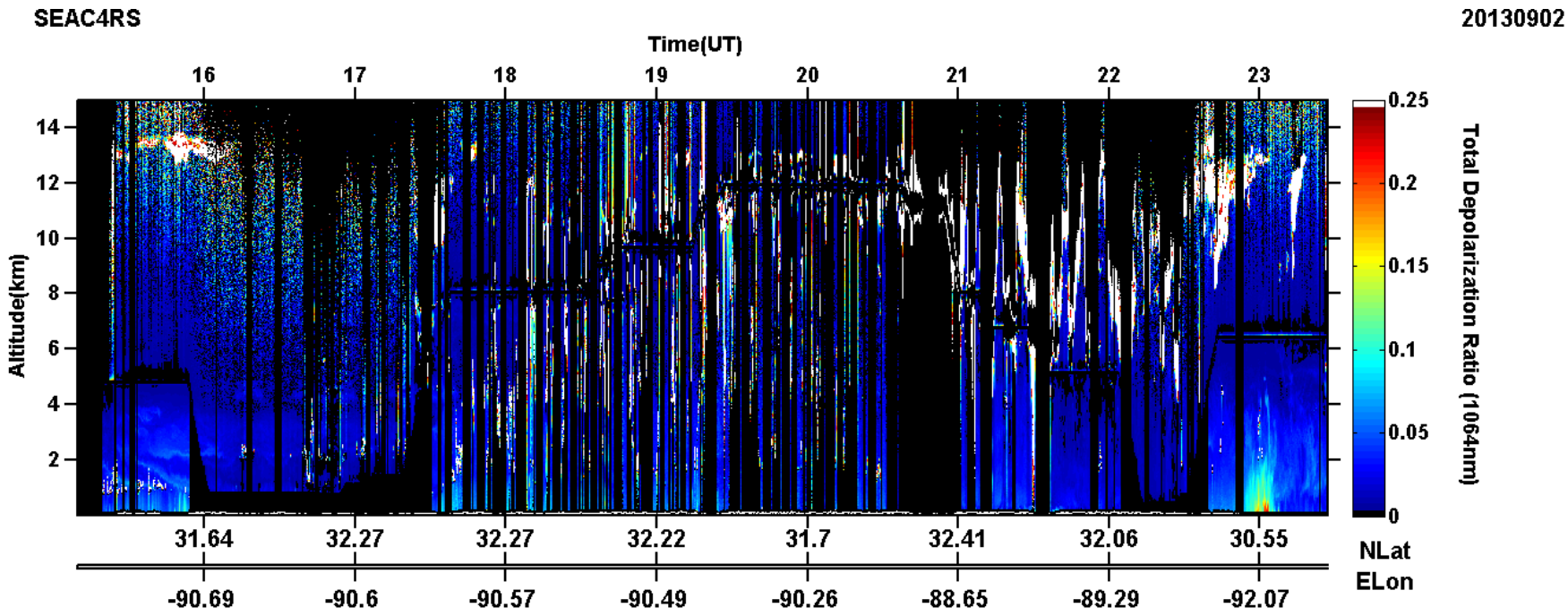
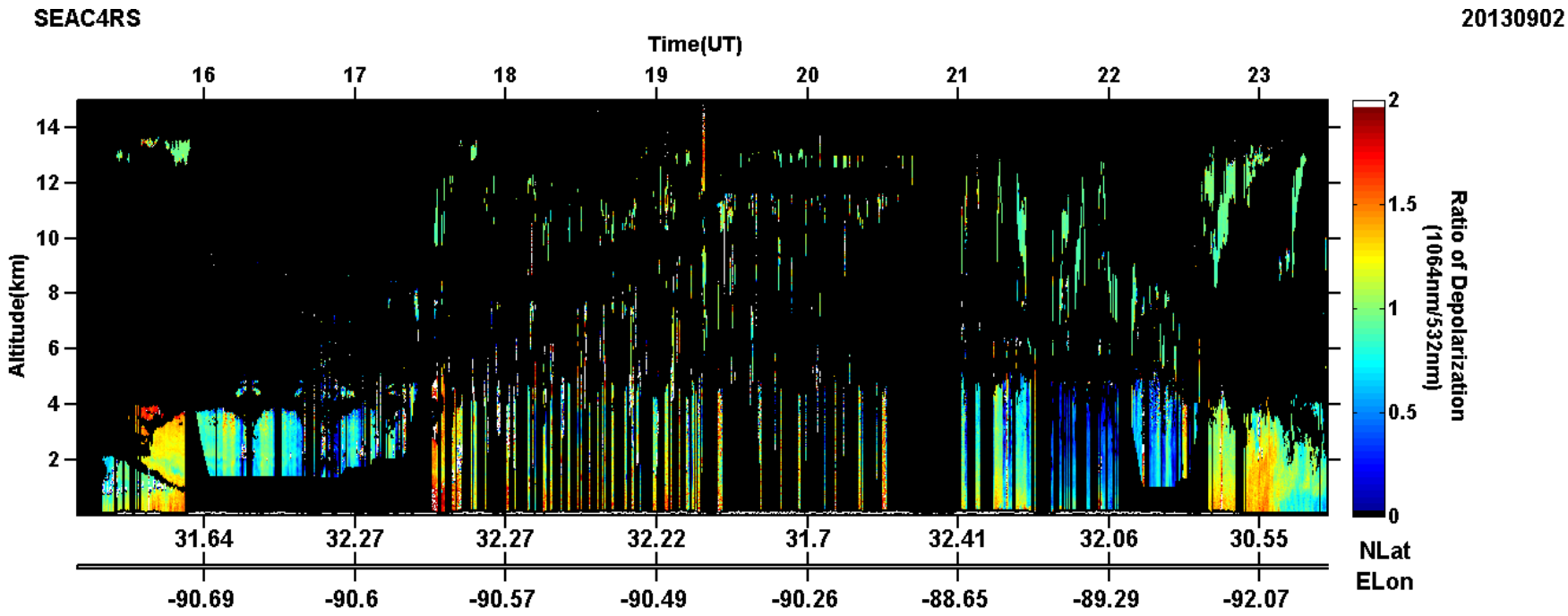
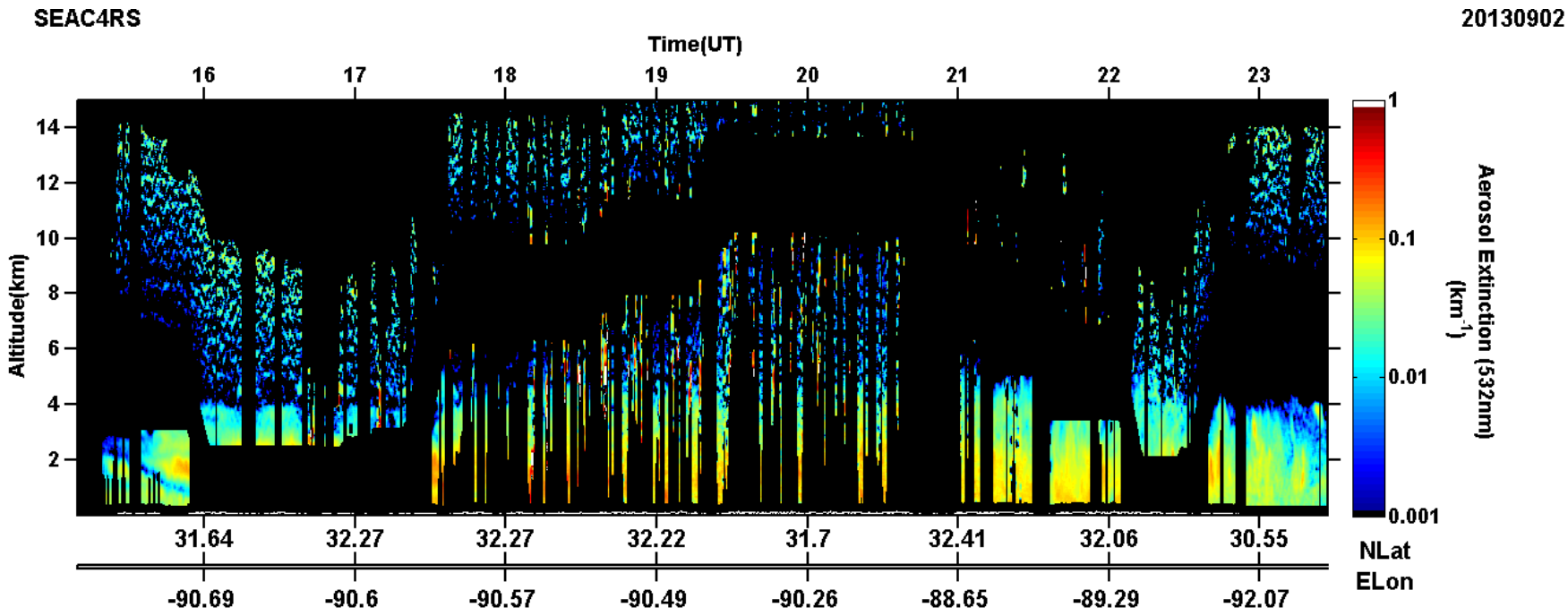
22
23
Altitude(km)
14
12
10
8
6
4
2
31.64
32.27
32.27
32.22
31.7
32.41
32.06
30.55
NLat
-90.69
-90.6
-90.57
-90.49
-90.26
-88.65
-89.29
-92.07
ELon
50
10
1
0.1
0.01
Aerosol Scattering Ratio (1064nm)

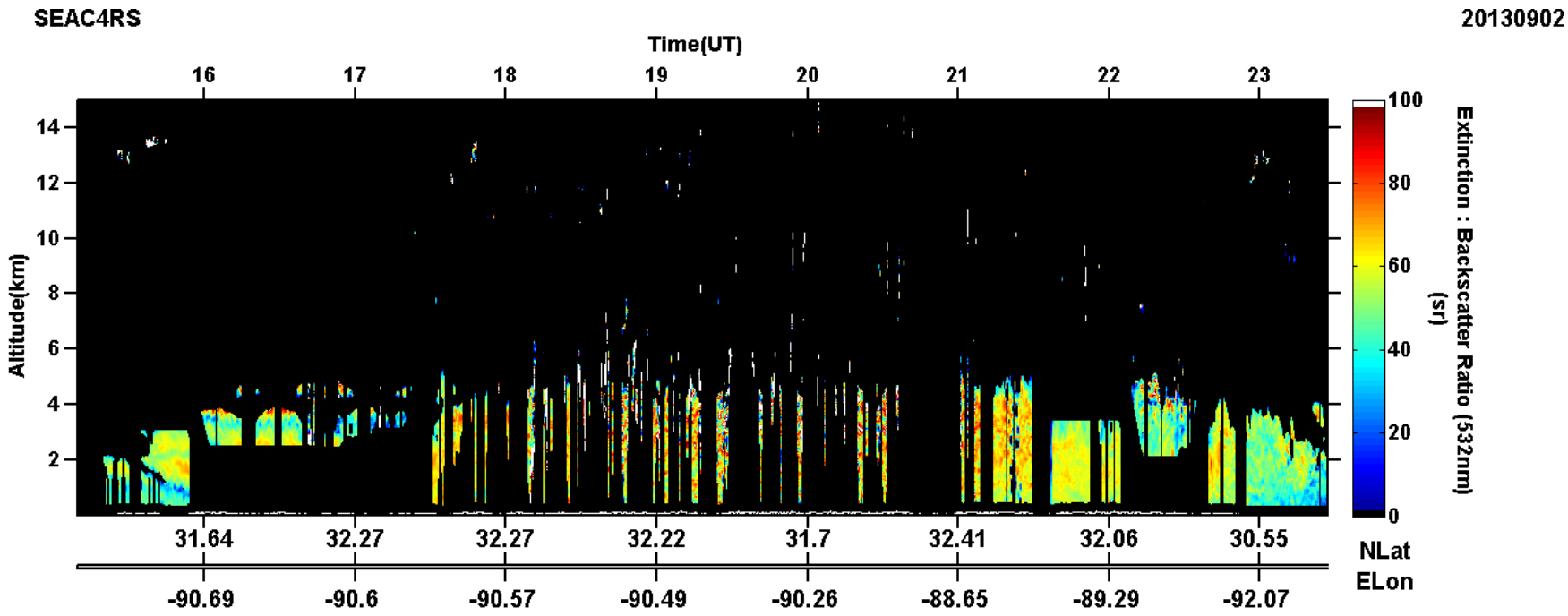

SEAC4RS
20130902
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
31.64
32.27
32.27
32.22
31.7
32.41
32.06
30.55
NLat
-90.69
-90.6
-90.57
-90.49
-90.26
-88.65
-89.29
-92.07
ELon
Color Ratio
(1064nm/532nm)
1
0.8
0.6
0.4
0.2
0

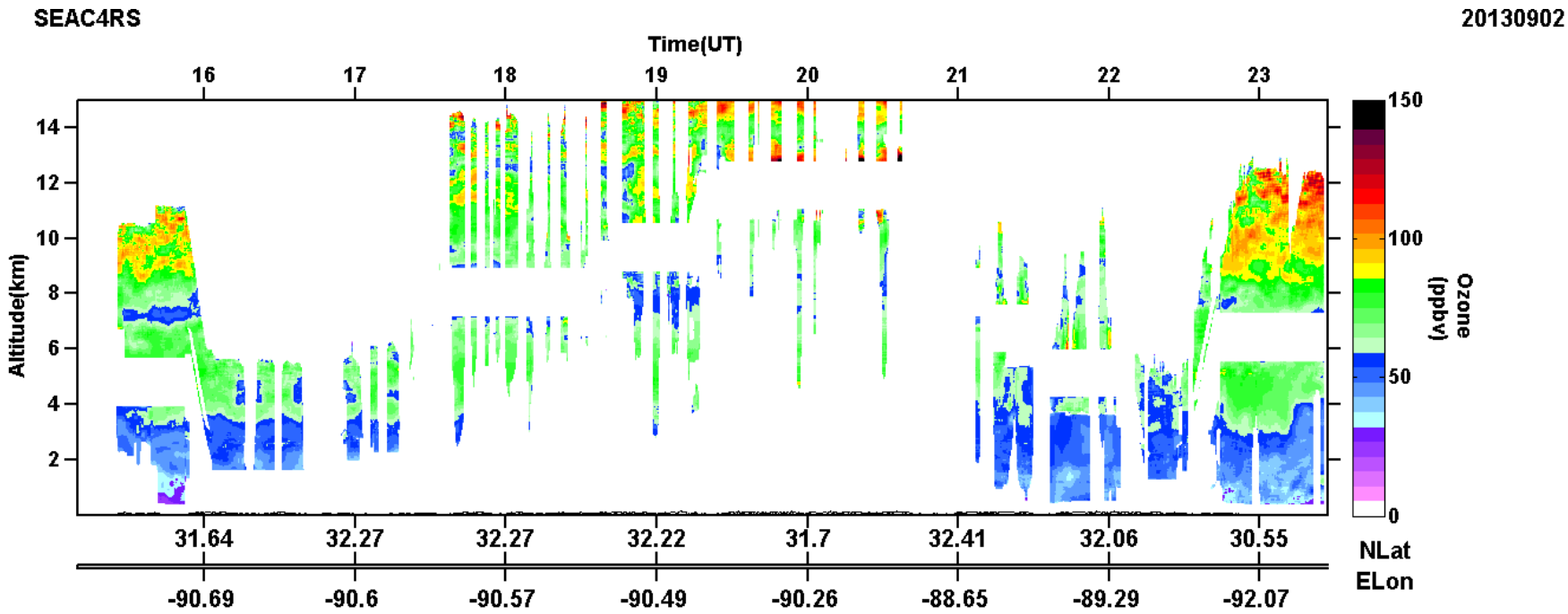

SEAC4RS
20130902
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
31.64
32.27
32.27
32.22
31.7
32.41
32.06
30.55
NLat
-90.69
-90.6
-90.57
-90.49
-90.26
-88.65
-89.29
-92.07
ELon
0.1
0.08
0.06
0.04
0.02
0
Total Depolarization Ratio (532nm)

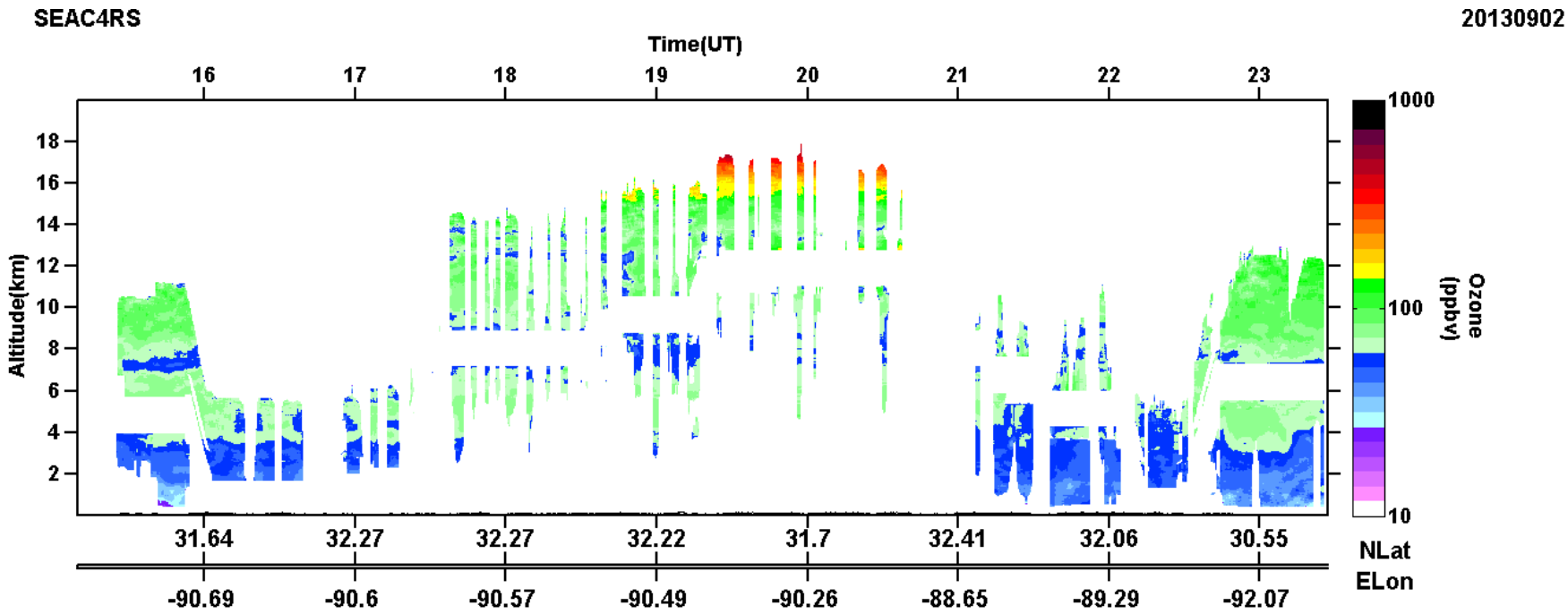

SEAC4RS
20130902
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
31.64
32.27
32.27
32.22
31.7
32.41
32.06
30.55
NLat
-90.69
-90.6
-90.57
-90.49
-90.26
-88.65
-89.29
-92.07
ELon
0.25
0.2
0.15
0.1
0.05
0
Total Depolarization Ratio (1064nm)


SEAC4RS
20130902
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
31.64
32.27
32.27
32.22
31.7
32.41
32.06
30.55
NLat
-90.69
-90.6
-90.57
-90.49
-90.26
-88.65
-89.29
-92.07
ELon
Ratio of Depolarization
(1064nm/532nm)
2
1.5
1
0.5
0


SEAC4RS
20130902
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
31.64
32.27
32.27
32.22
31.7
32.41
32.06
30.55
NLat
-90.69
-90.6
-90.57
-90.49
-90.26
-88.65
-89.29
-92.07
ELon
1
0.1
0.01
0.001
Aerosol Extinction (532nm)
(km^{-1})


SEAC4RS
20130902
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
31.64
32.27
32.27
32.22
31.7
32.41
32.06
30.55
NLat
-90.69
-90.6
-90.57
-90.49
-90.26
-88.65
-89.29
-92.07
ELon
100
80
60
40
20
0
Extinction : Backscatter Ratio (532nm)
(sr)


SEAC4RS
20130902
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
14
12
10
8
6
4
2
31.64
32.27
32.27
32.22
31.7
32.41
32.06
30.55
NLat
-90.69
-90.6
-90.57
-90.49
-90.26
-88.65
-89.29
-92.07
ELon
150
100
50
0
Ozone
(ppbv)


SEAC4RS
20130902
Time(UT)
16
17
18
19
20
21
22
23
Altitude(km)
18
16
14
12
10
8
6
4
2
31.64
32.27
32.27
32.22
31.7
32.41
32.06
30.55
NLat
-90.69
-90.6
-90.57
-90.49
-90.26
-88.65
-89.29
-92.07
ELon
1000
100
10
Ozone
(ppbv)