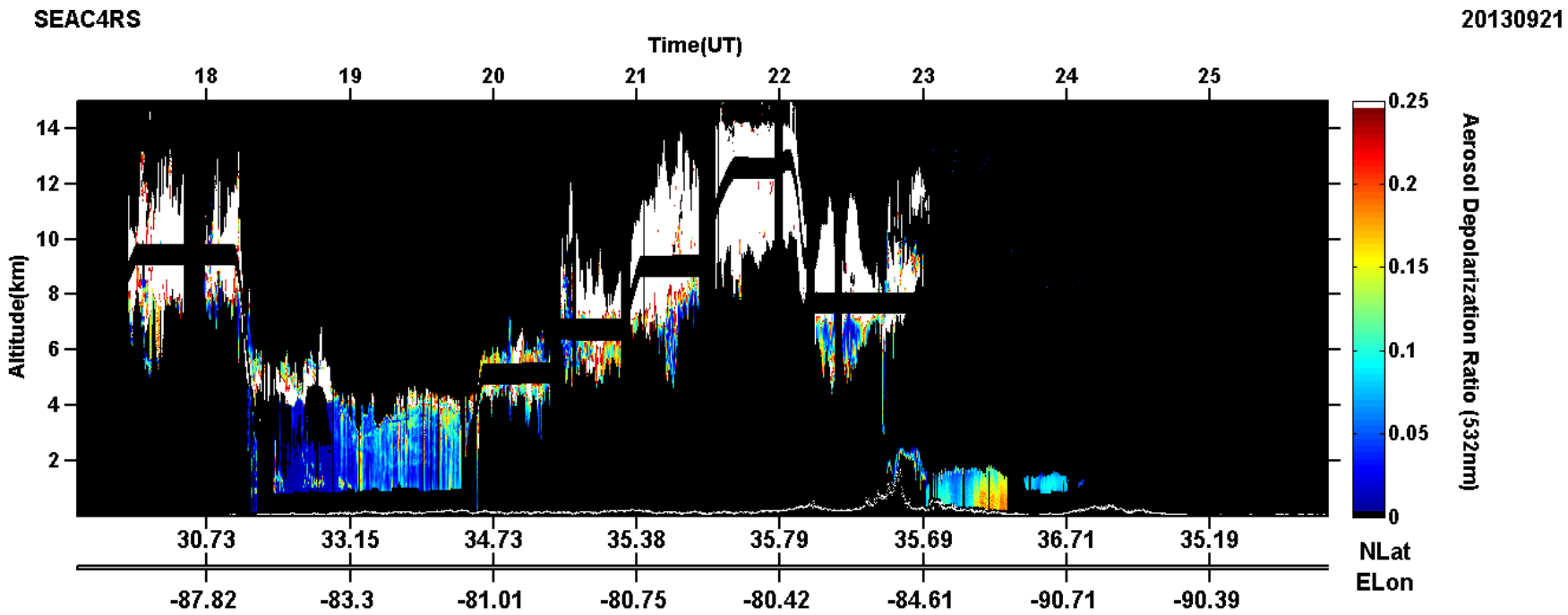
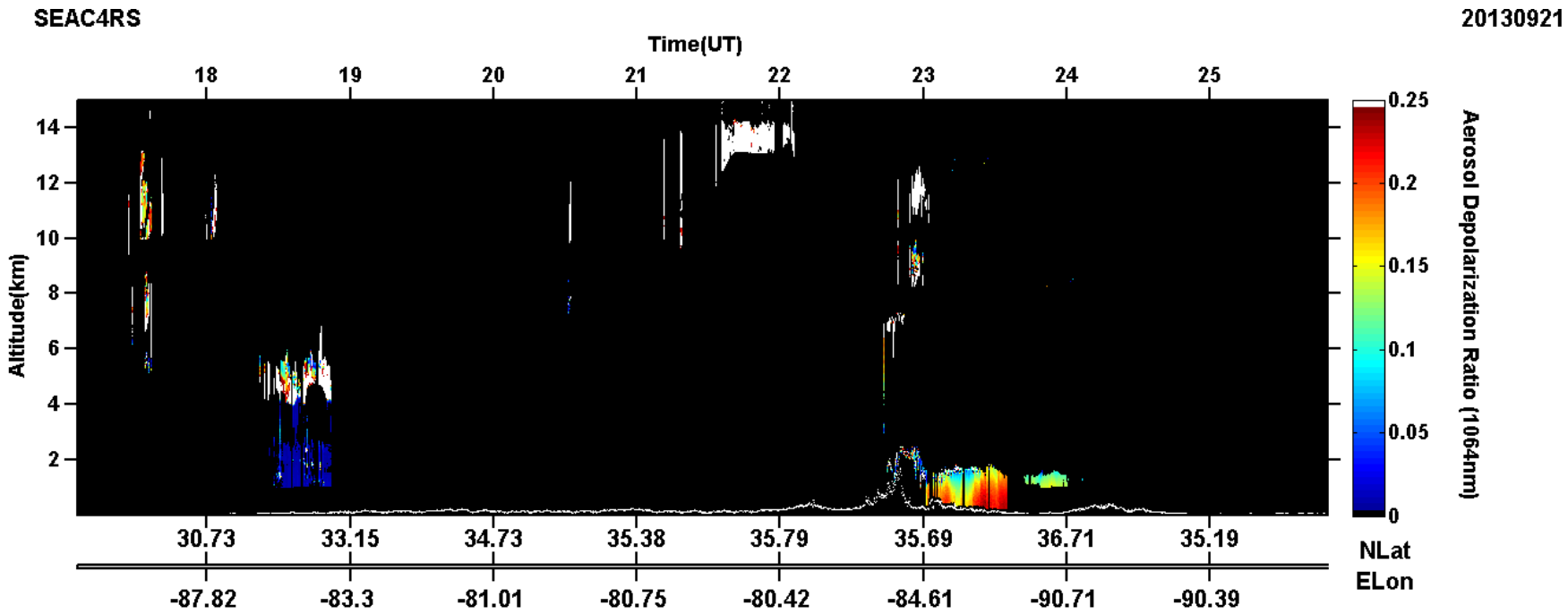
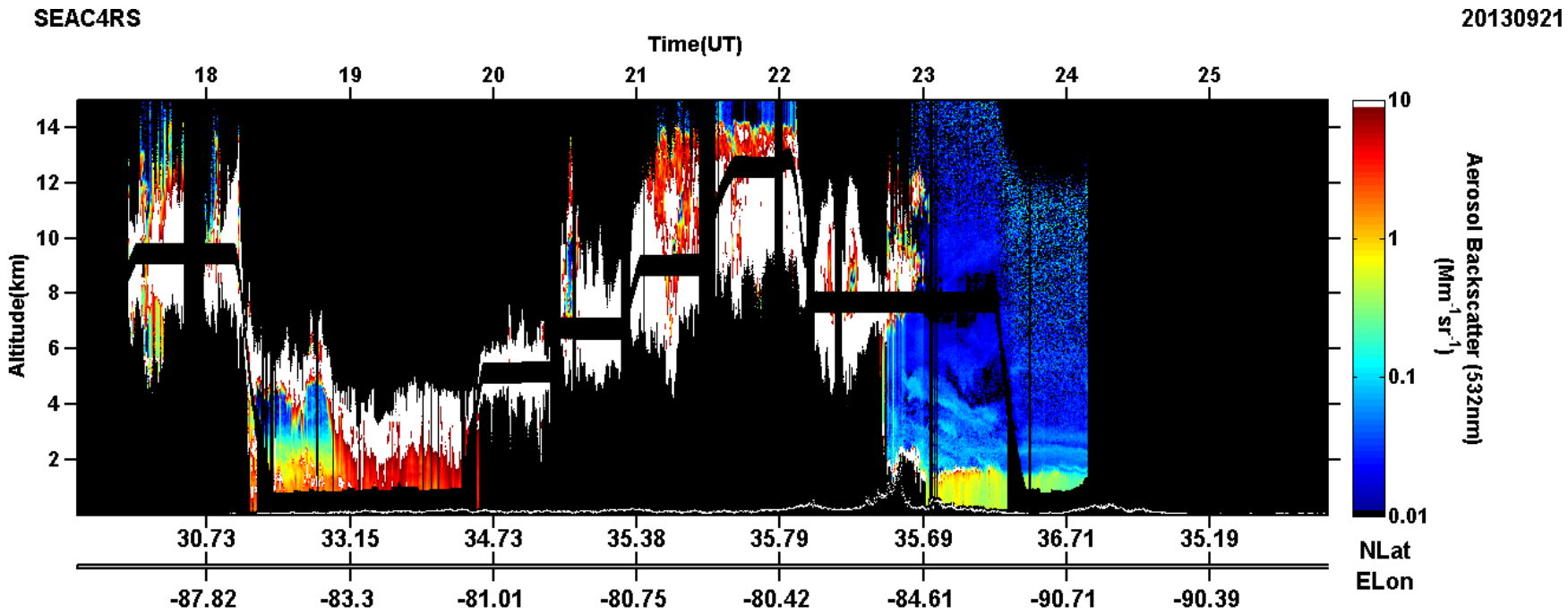

SEAC4RS
20130921
Time(UT)
18
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
30.73
33.15
34.73
35.38
35.79
35.69
36.71
35.19
-87.82
-83.3
-81.01
-80.75
-80.42
-84.61
-90.71
-90.39
NLat
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (532nm)


SEAC4RS
20130921
Time(UT)
18
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
30.73
33.15
34.73
35.38
35.79
35.69
36.71
35.19
NLat
-87.82
-83.3
-81.01
-80.75
-80.42
-84.61
-90.71
-90.39
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (1064nm)


SEAC4RS
20130921
Time(UT)
18
19
20
21
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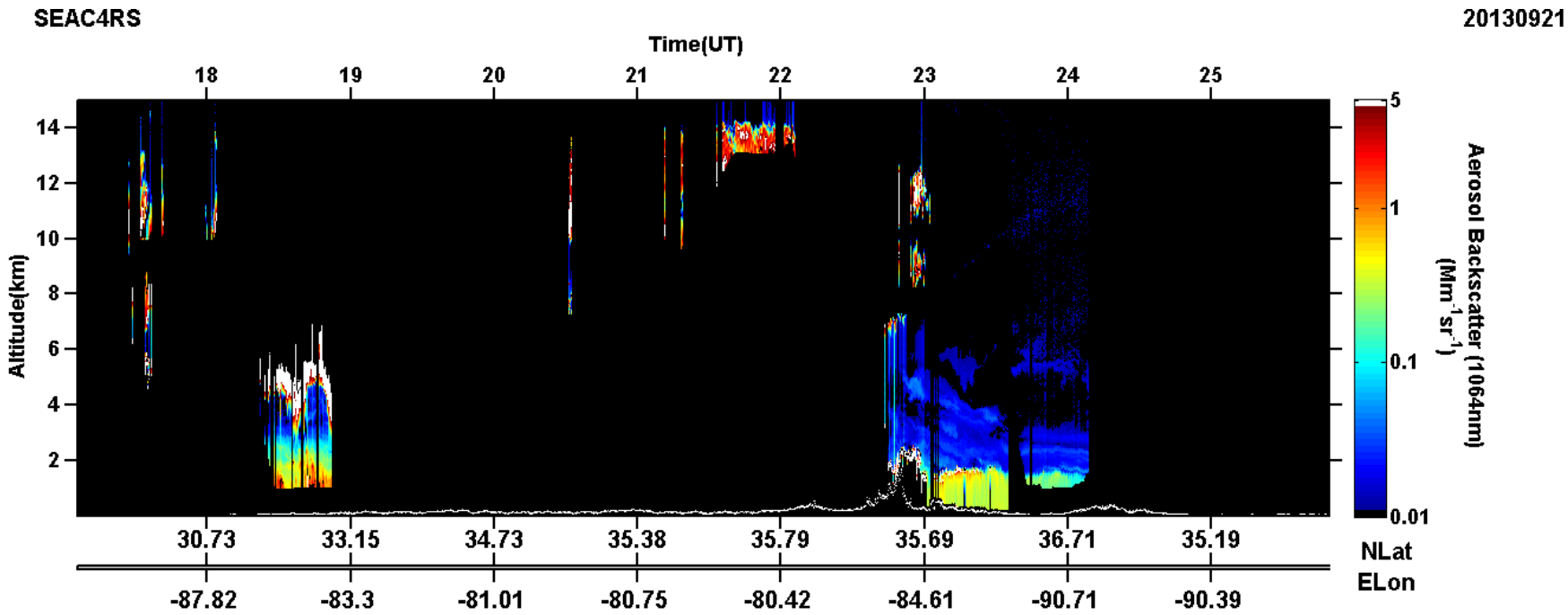
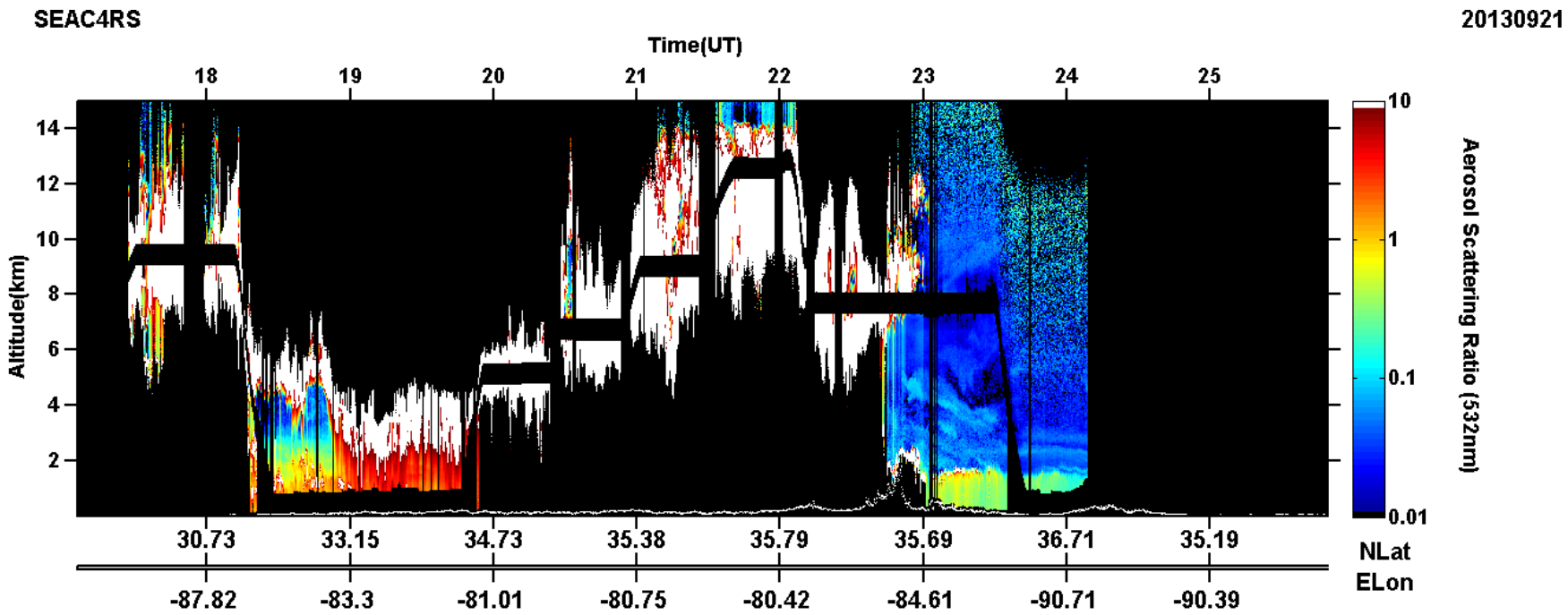
23
24
25
Altitude(km)
14
12
10
8
6
4
2
30.73
33.15
34.73
35.38
35.79
35.69
36.71
35.19
NLat
-87.82
-83.3
-81.01
-80.75
-80.42
-84.61
-90.71
-90.39
ELon
10
1
0.1
0.01
Aerosol Backscatter (532nm)
(Mm-1 sr-1)


SEAC4RS
20130921
Time(UT)
18
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
30.73
33.15
34.73
35.38
35.79
35.69
36.71
35.19
NLat
-87.82
-83.3
-81.01
-80.75
-80.42
-84.61
-90.71
-90.39
ELon
5
1
0.1
0.01
Aerosol Backscatter (1064nm)
(Mm-1sr-1)


SEAC4RS
20130921
Time(UT)
18
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22
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25
Altitude(km)
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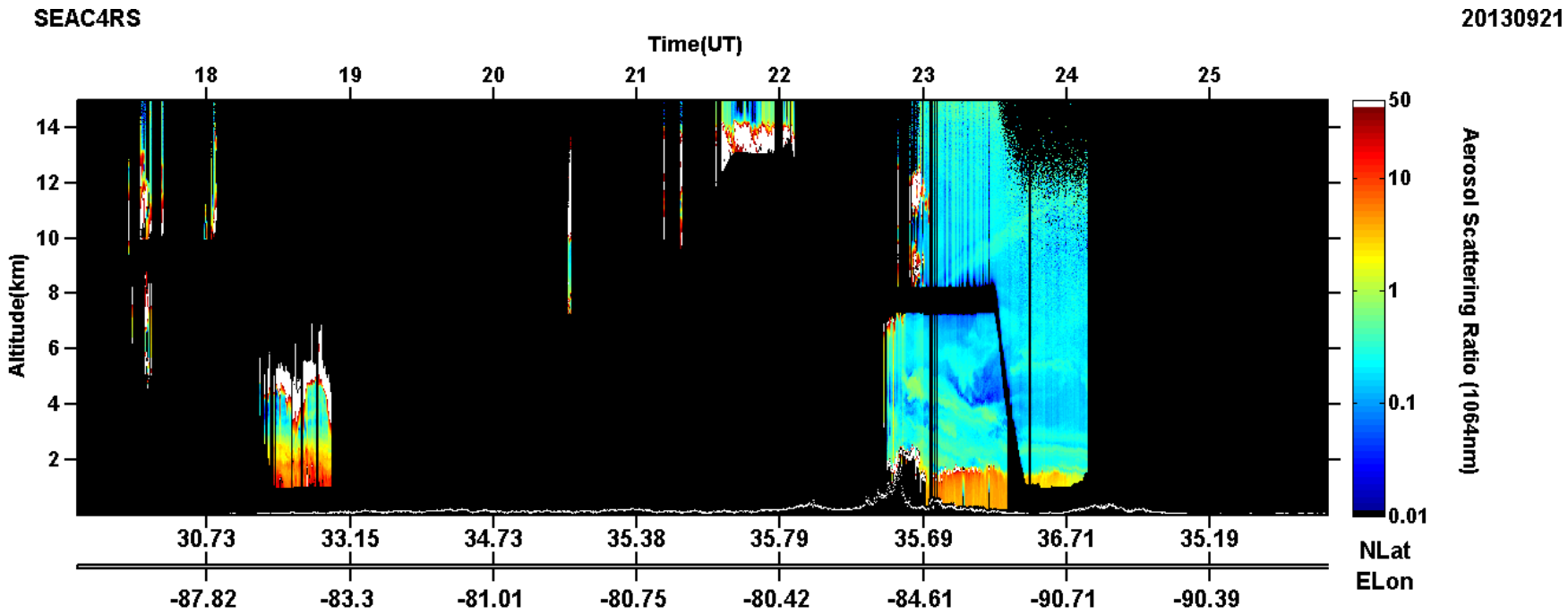
12
10
8
6
4
2
30.73
33.15
34.73
35.38
35.79
35.69
36.71
35.19
NLat
-87.82
-83.3
-81.01
-80.75
-80.42
-84.61
-90.71
-90.39
ELon
10
1
0.1
0.01
Aerosol Scattering Ratio (532nm)


SEAC4RS
20130921
Time(UT)
18
19
20
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22
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24
25
Altitude(km)
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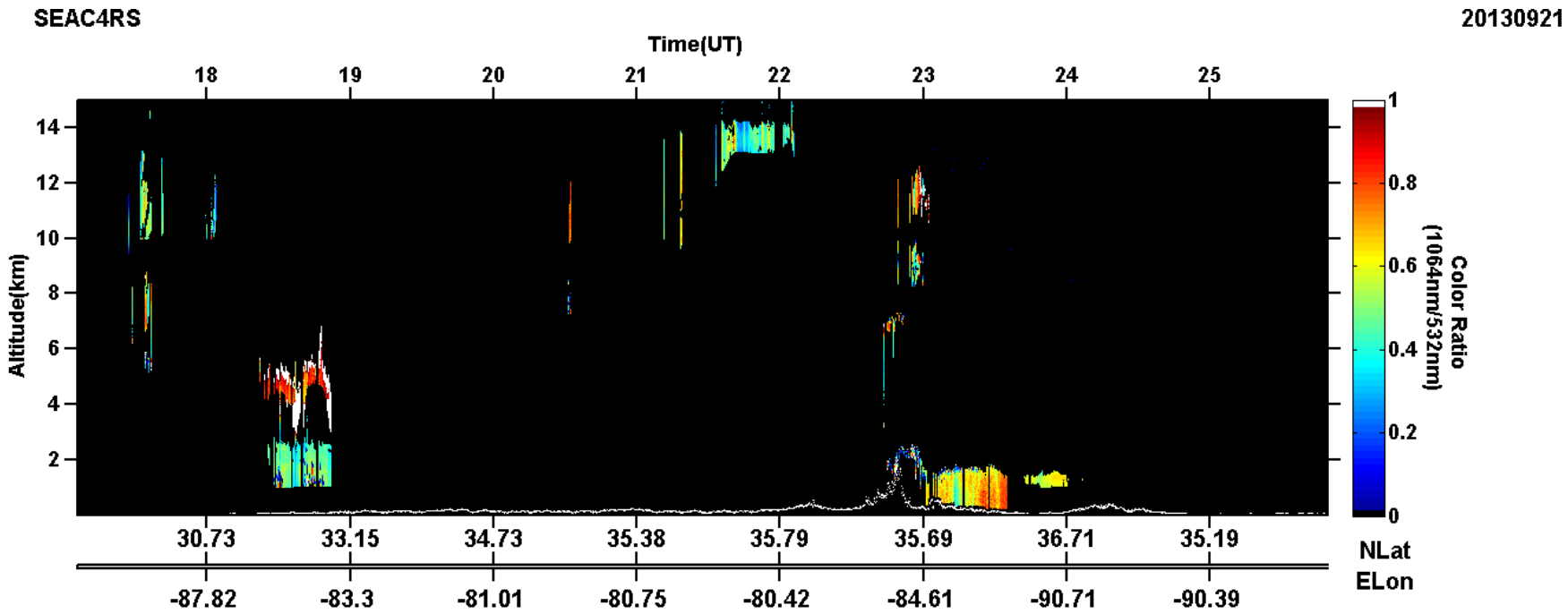
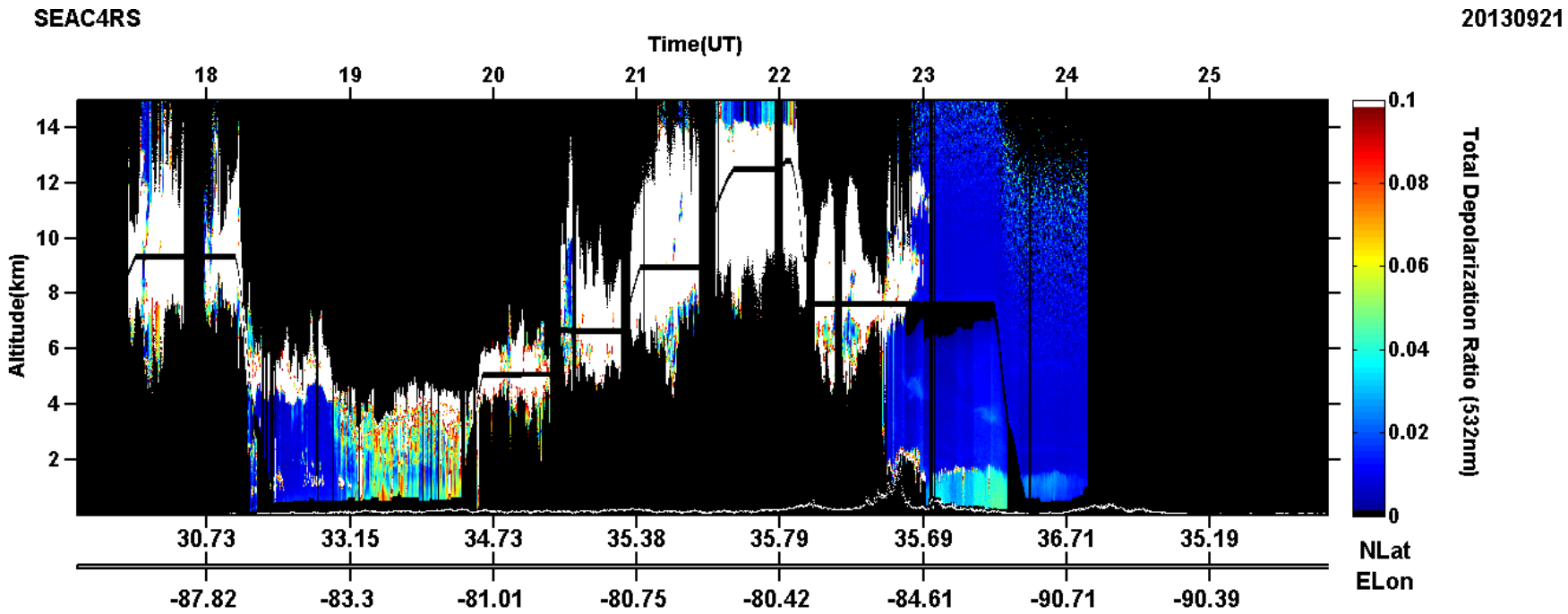
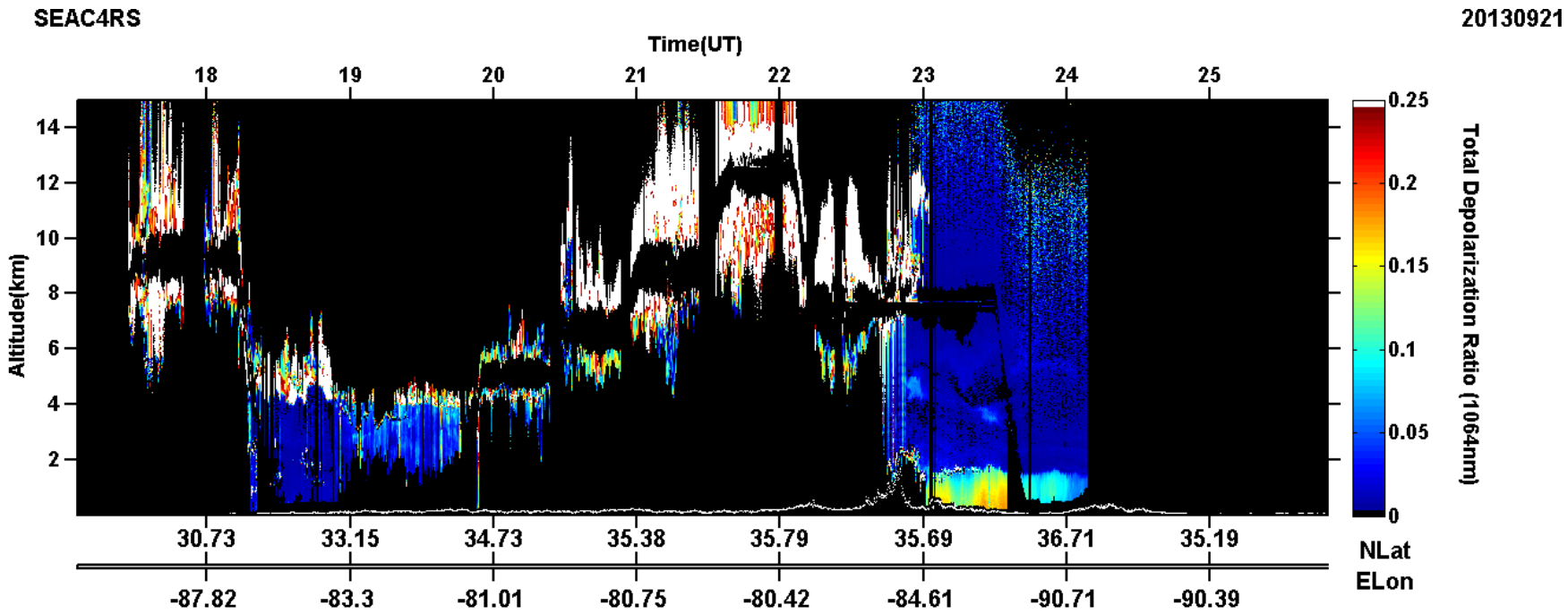
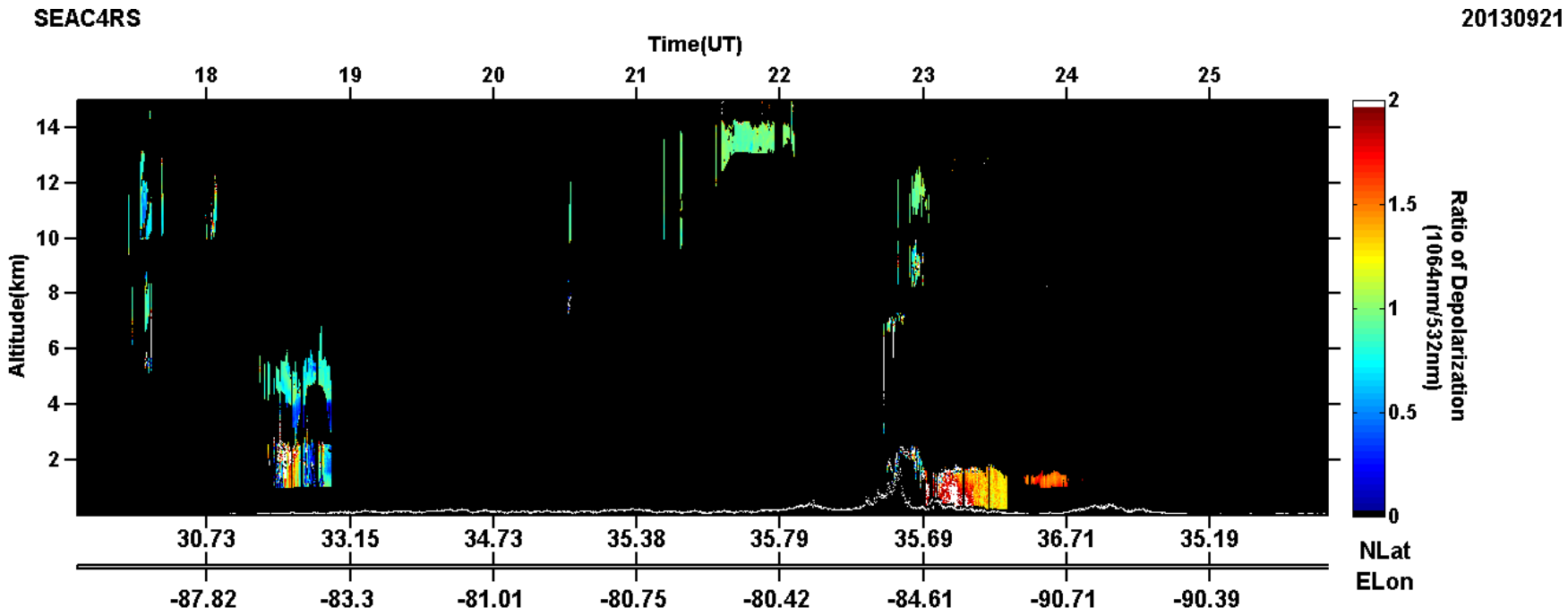
12
10
8
6
4
2
30.73
33.15
34.73
35.38
35.79
35.69
36.71
35.19
NLat
-87.82
-83.3
-81.01
-80.75
-80.42
-84.61
-90.71
-90.39
ELon
50
10
1
0.1
0.01
Aerosol Scattering Ratio (1064nm)


SEAC4RS
20130921
Time(UT)
18
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
30.73
33.15
34.73
35.38
35.79
35.69
36.71
35.19
NLat
-87.82
-83.3
-81.01
-80.75
-80.42
-84.61
-90.71
-90.39
ELon
Color Ratio
(1064nm/532nm)
1
0.8
0.6
0.4
0.2
0


SEAC4RS
20130921
Time(UT)
18
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
30.73
33.15
34.73
35.38
35.79
35.69
36.71
35.19
NLat
-87.82
-83.3
-81.01
-80.75
-80.42
-84.61
-90.71
-90.39
ELon
0.1
0.08
0.06
0.04
0.02
0
Total Depolarization Ratio (532nm)


SEAC4RS
20130921
Time(UT)
18
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
30.73
33.15
34.73
35.38
35.79
35.69
36.71
35.19
NLat
-87.82
-83.3
-81.01
-80.75
-80.42
-84.61
-90.71
-90.39
ELon
0.25
0.2
0.15
0.1
0.05
0
Total Depolarization Ratio (1064nm)


SEAC4RS
20130921
Time(UT)
18
19
20
21
22
23
24
25
Altitude(km)
14
12
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8
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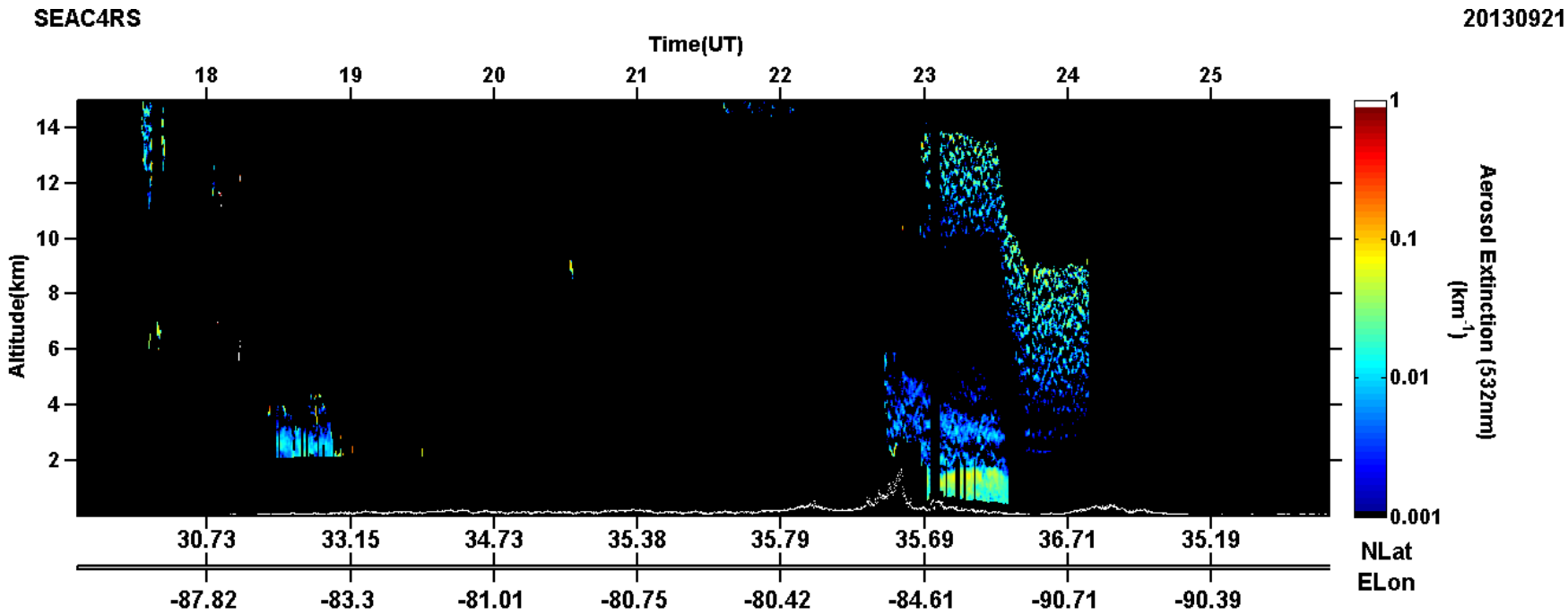
4
2
30.73
33.15
34.73
35.38
35.79
35.69
36.71
35.19
NLat
-87.82
-83.3
-81.01
-80.75
-80.42
-84.61
-90.71
-90.39
ELon
Ratio of Depolarization
(1064nm/532nm)
2
1.5
1
0.5
0


SEAC4RS
20130921
Time(UT)
18
19
20
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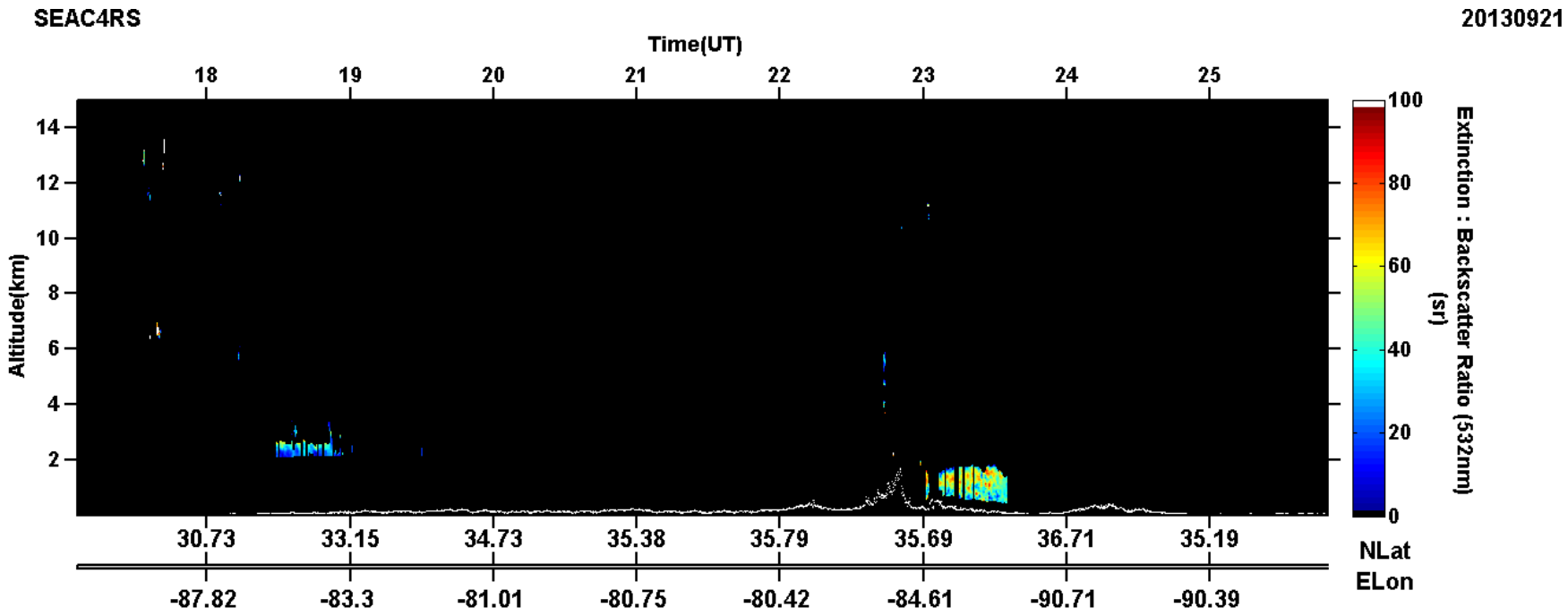
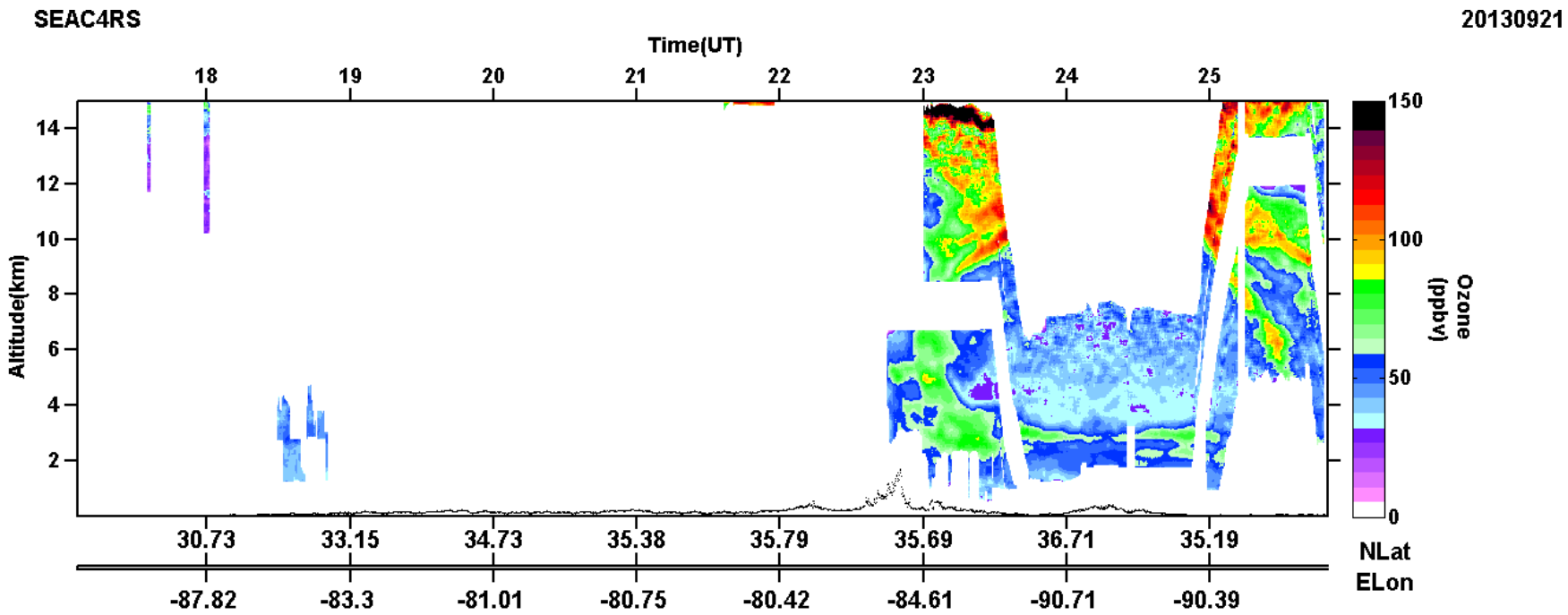
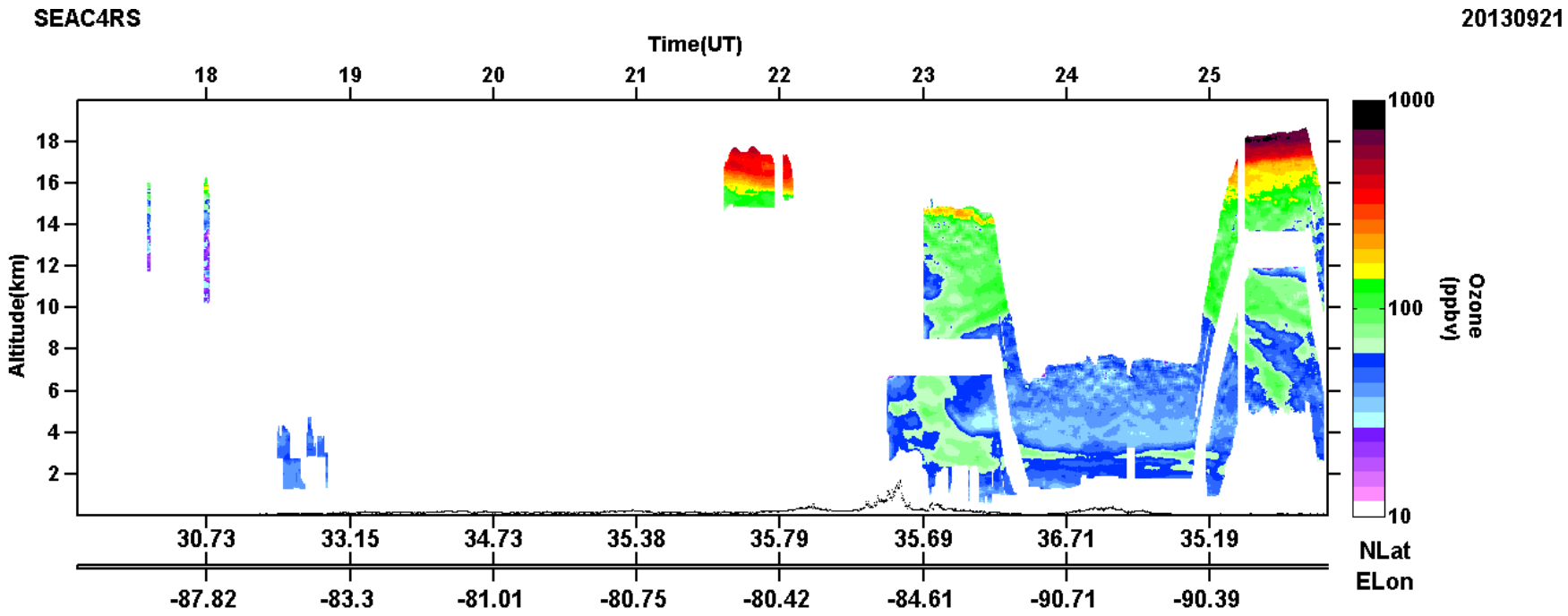
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
30.73
33.15
34.73
35.38
35.79
35.69
36.71
35.19
NLat
-87.82
-83.3
-81.01
-80.75
-80.42
-84.61
-90.71
-90.39
ELon
1
0.1
0.01
0.001
Aerosol Extinction (532nm)
(km^{-1})


SEAC4RS
20130921
Time(UT)
18
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
30.73
33.15
34.73
35.38
35.79
35.69
36.71
35.19
NLat
-87.82
-83.3
-81.01
-80.75
-80.42
-84.61
-90.71
-90.39
ELon
100
80
60
40
20
0
Extinction : Backscatter Ratio (532nm)
(sr)


SEAC4RS
20130921
Time(UT)
18
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
30.73
33.15
34.73
35.38
35.79
35.69
36.71
35.19
NLat
-87.82
-83.3
-81.01
-80.75
-80.42
-84.61
-90.71
-90.39
ELon
150
100
50
0
Ozone
(ppbv)


SEAC4RS
20130921
Time(UT)
18
19
20
21
22
23
24
25
Altitude(km)
18
16
14
12
10
8
6
4
2
30.73
33.15
34.73
35.38
35.79
35.69
36.71
35.19
NLat
-87.82
-83.3
-81.01
-80.75
-80.42
-84.61
-90.71
-90.39
ELon
1000
100
10
Ozone
(ppbv)