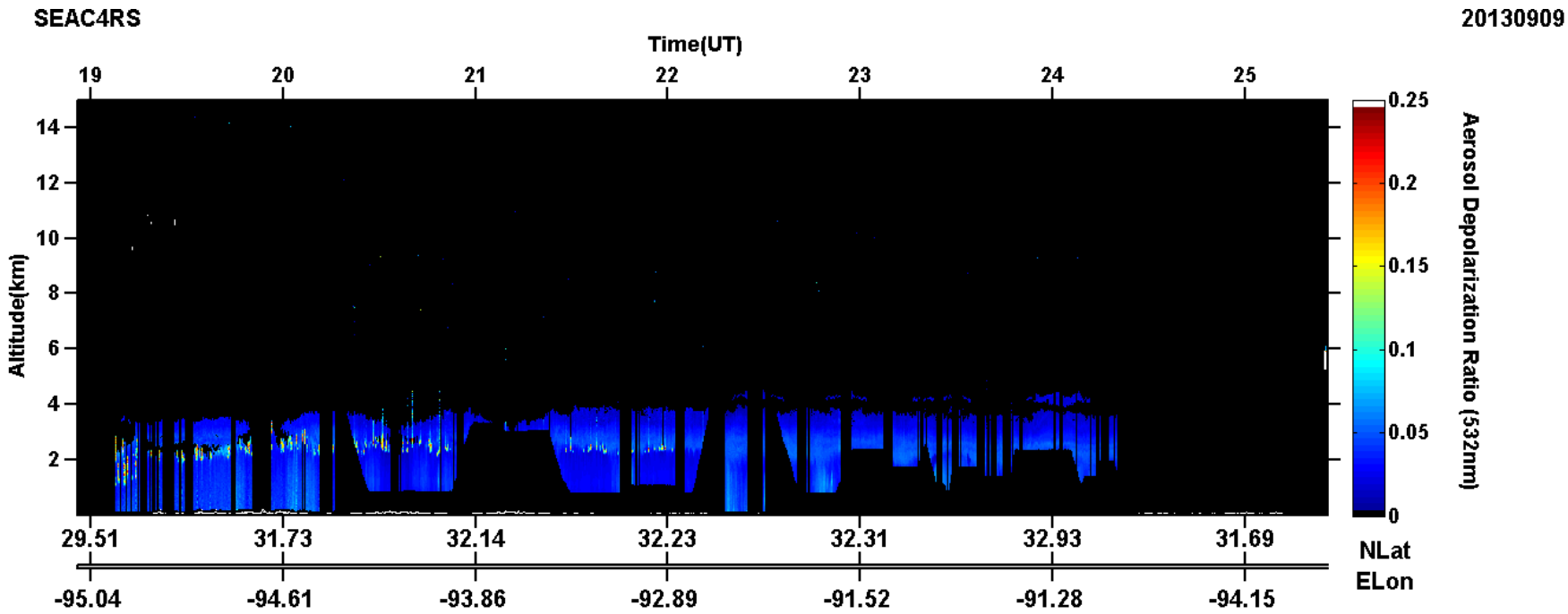
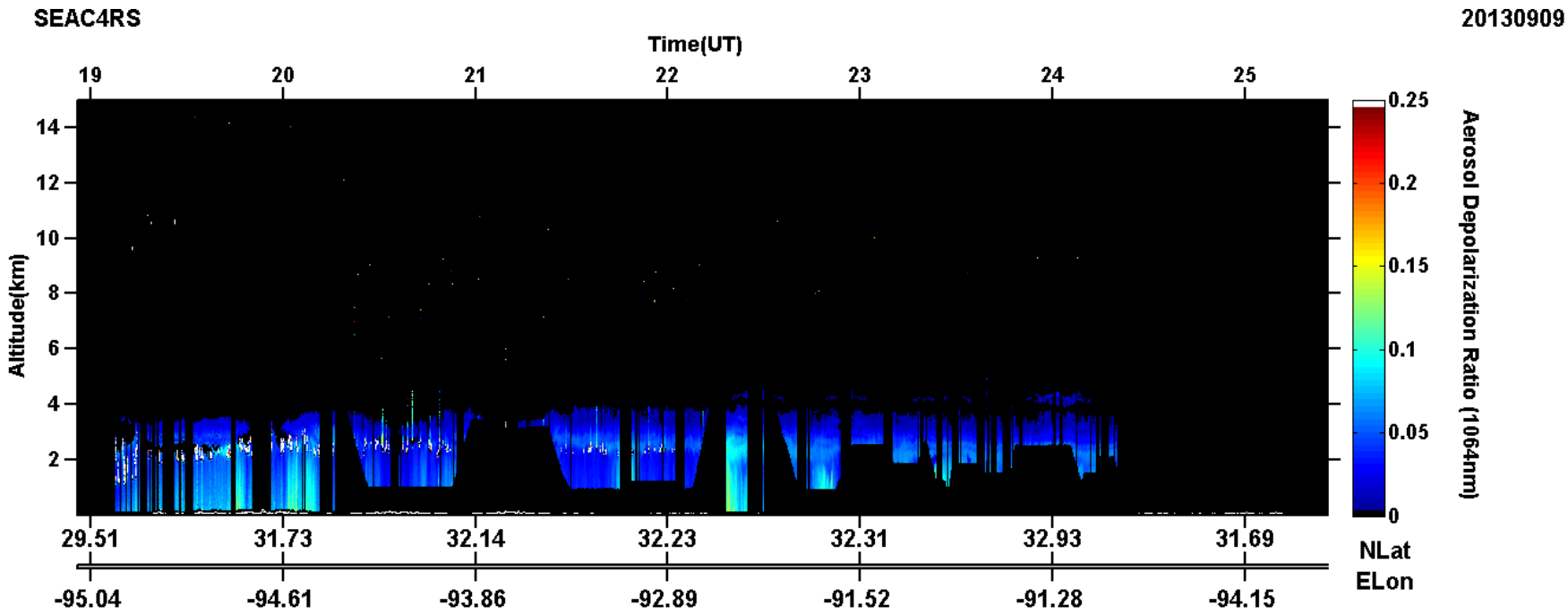

SEAC4RS
20130909
Time(UT)
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
29.51
31.73
32.14
32.23
32.31
32.93
31.69
NLat
-95.04
-94.61
-93.86
-92.89
-91.52
-91.28
-94.15
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (532nm)


SEAC4RS
20130909
Time(UT)
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22
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25
Altitude(km)
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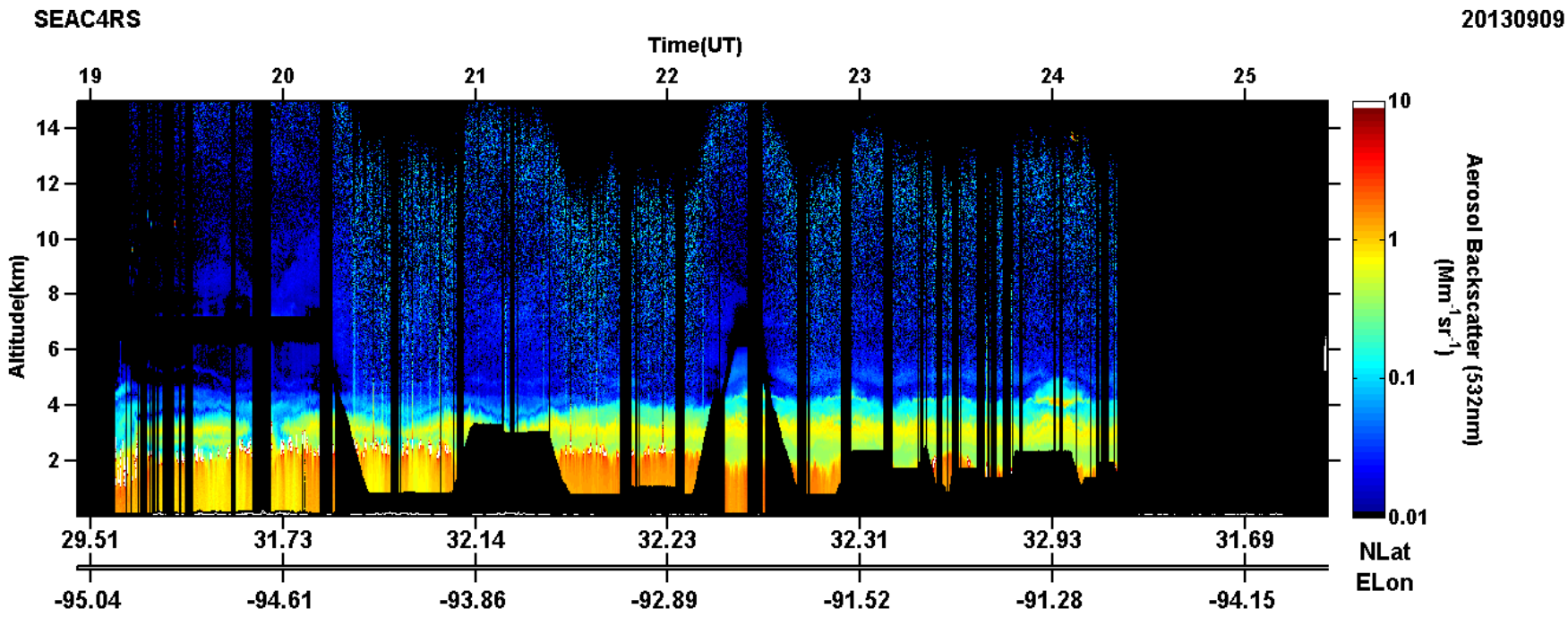
8
6
4
2
29.51
31.73
32.14
32.23
32.31
32.93
31.69
NLat
-95.04
-94.61
-93.86
-92.89
-91.52
-91.28
-94.15
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (1064nm)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20130909
Time(UT)
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Altitude(km)
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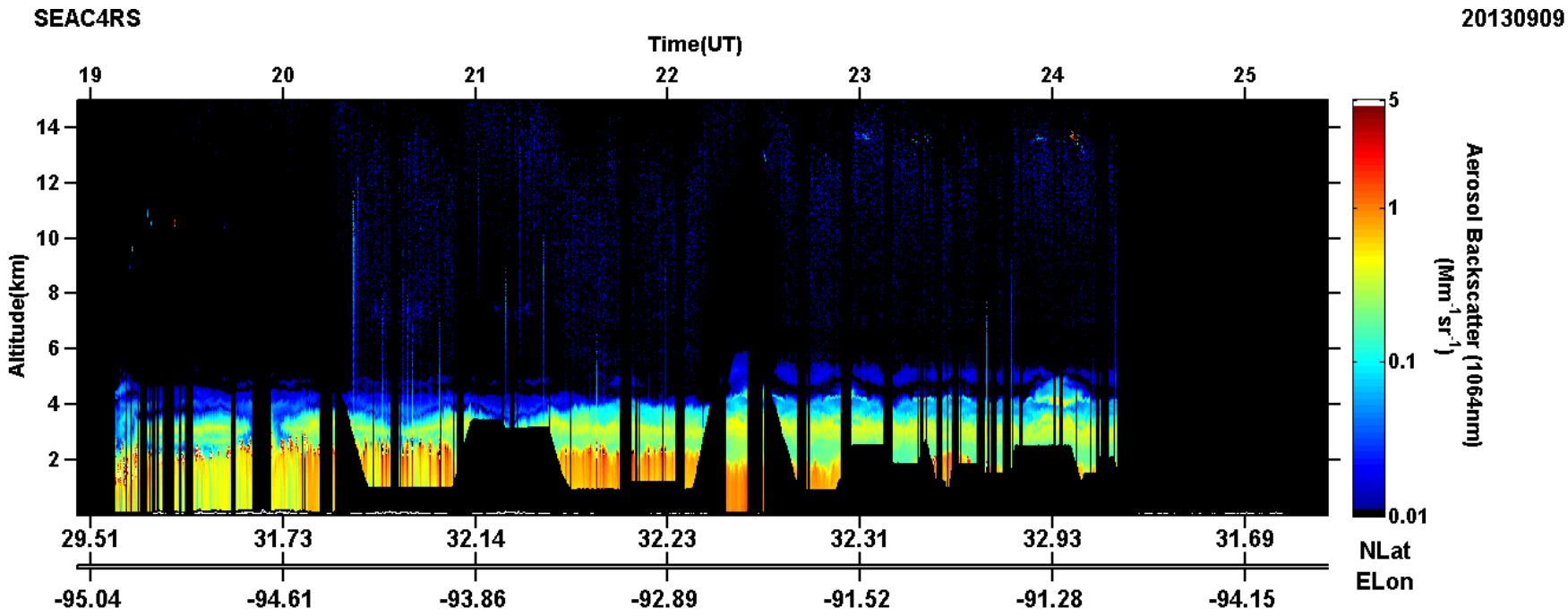
4
2
29.51
31.73
32.14
32.23
32.31
32.93
31.69
NLat
-95.04
-94.61
-93.86
-92.89
-91.52
-91.28
-94.15
ELon
10
1
0.1
0.01
Aerosol Backscatter (532nm)
(Mm-1 sr-1)


SEAC4RS
20130909
Time(UT)
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24
25
Altitude(km)
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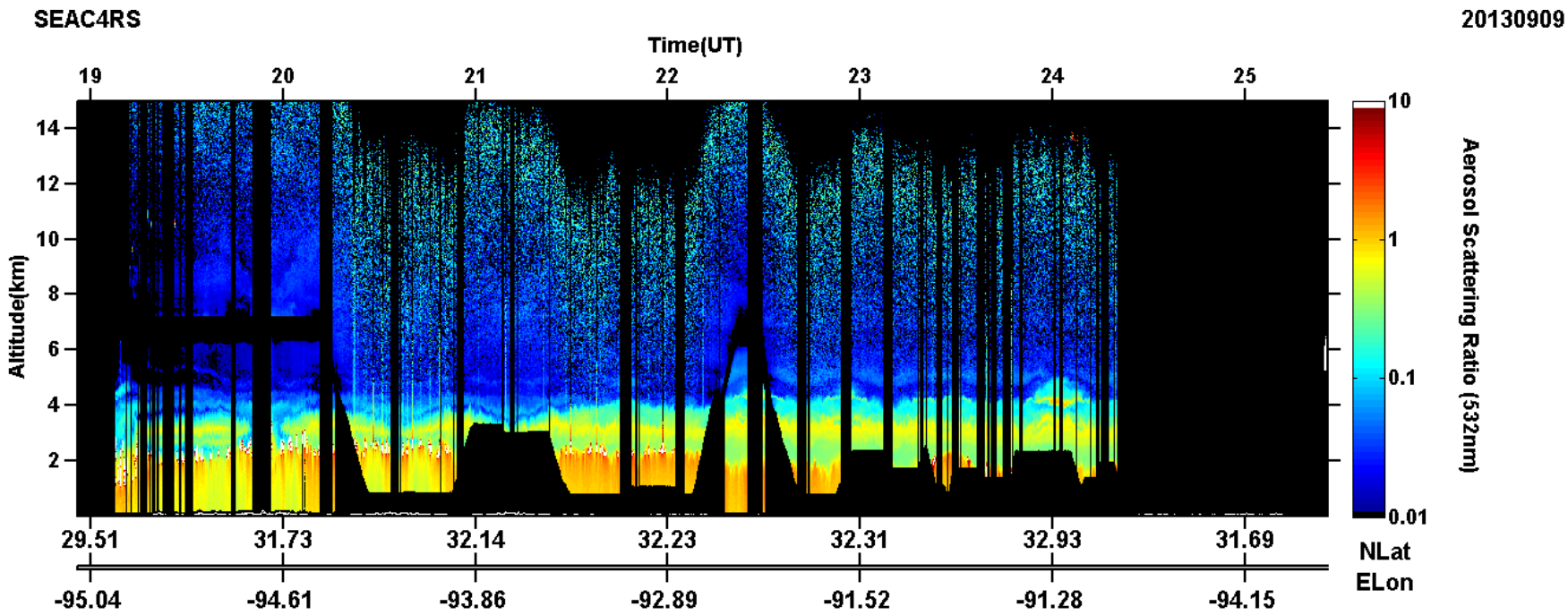
8
6
4
2
29.51
31.73
32.14
32.23
32.31
32.93
31.69
NLat
-95.04
-94.61
-93.86
-92.89
-91.52
-91.28
-94.15
ELon
5
1
0.1
0.01
Aerosol Backscatter (1064nm)
(Mm-1sr-1)


SEAC4RS
20130909
Time(UT)
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Altitude(km)
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4
2
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31.73
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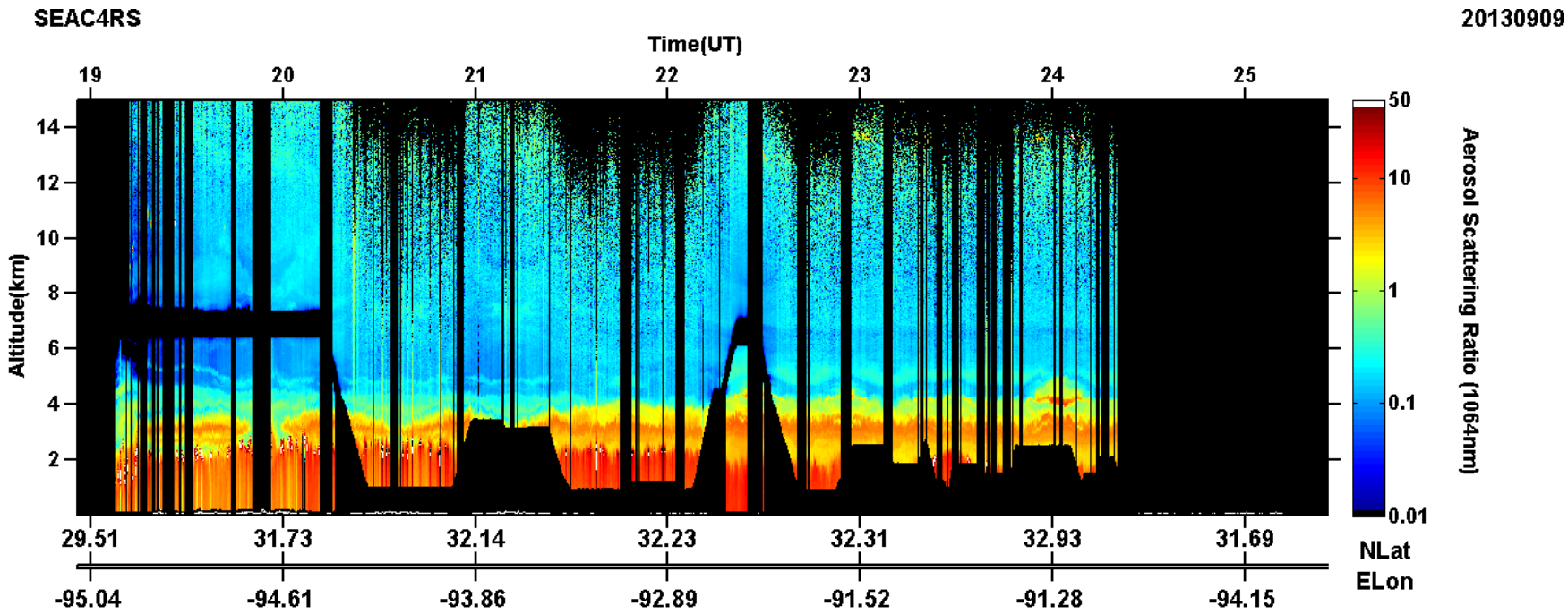
32.23
32.31
32.93
31.69
NLat
-95.04
-94.61
-93.86
-92.89
-91.52
-91.28
-94.15
ELon
10
1
0.1
0.01
Aerosol Scattering Ratio (532nm)


SEAC4RS
20130909
Time(UT)
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Altitude(km)
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2
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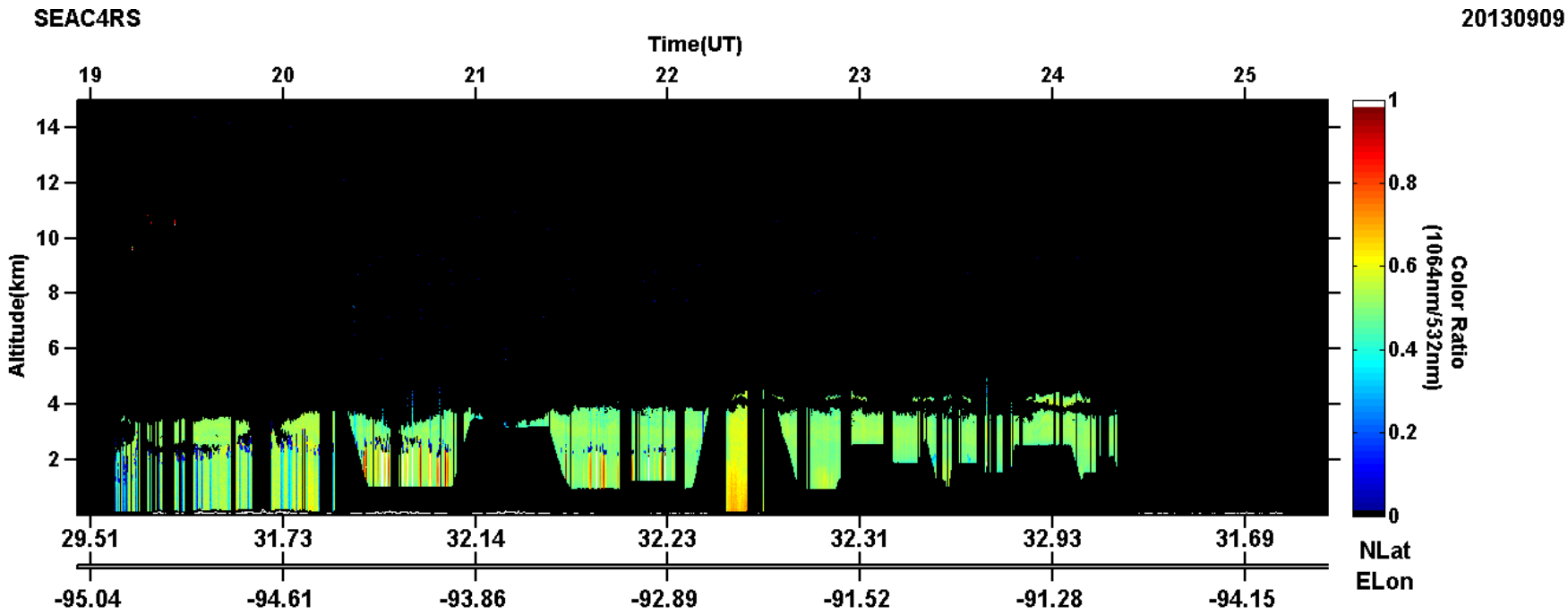
31.73
32.14
32.23
32.31
32.93
31.69
NLat
-95.04
-94.61
-93.86
-92.89
-91.52
-91.28
-94.15
ELon
50
10
1
0.1
0.01
Aerosol Scattering Ratio (1064nm)


SEAC4RS
20130909
Time(UT)
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Altitude(km)
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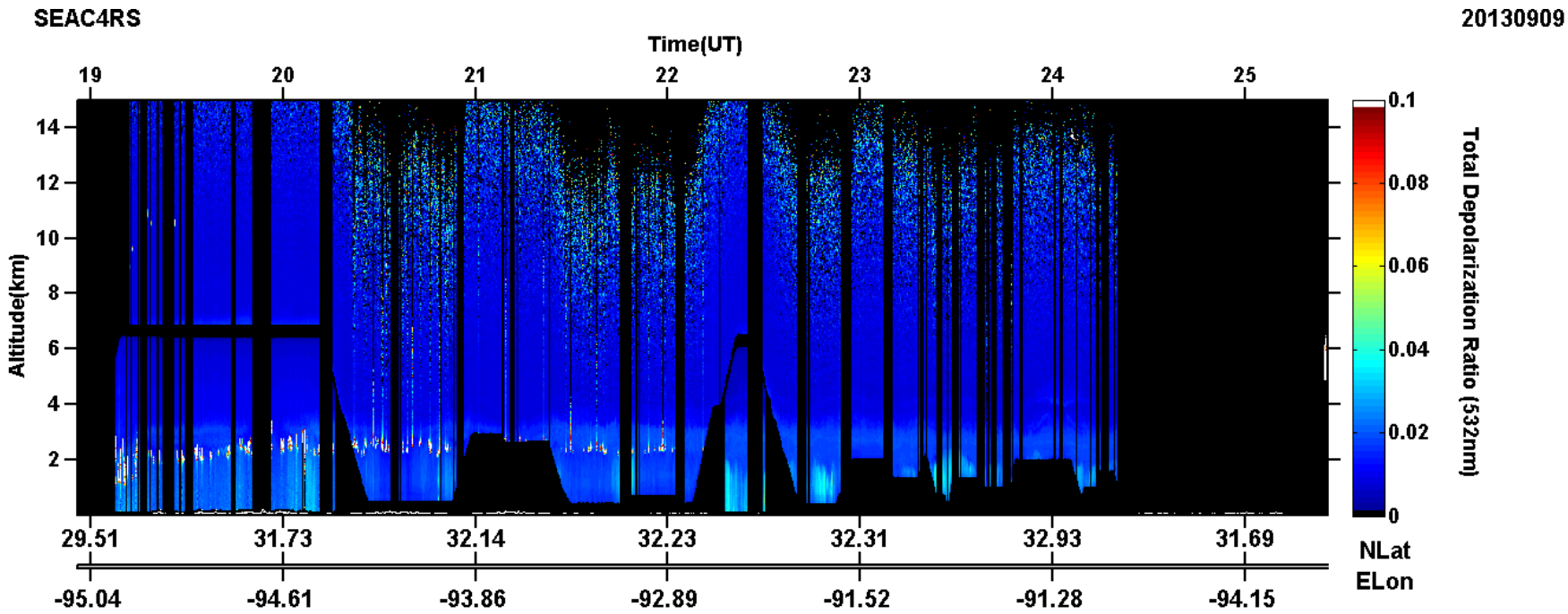
4
2
29.51
31.73
32.14
32.23
32.31
32.93
31.69
NLat
-95.04
-94.61
-93.86
-92.89
-91.52
-91.28
-94.15
ELon
Color Ratio
(1064nm/532nm)
1
0.8
0.6
0.4
0.2
0


SEAC4RS
20130909
Time(UT)
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20
21
22
23
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25
Altitude(km)
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12
10
8
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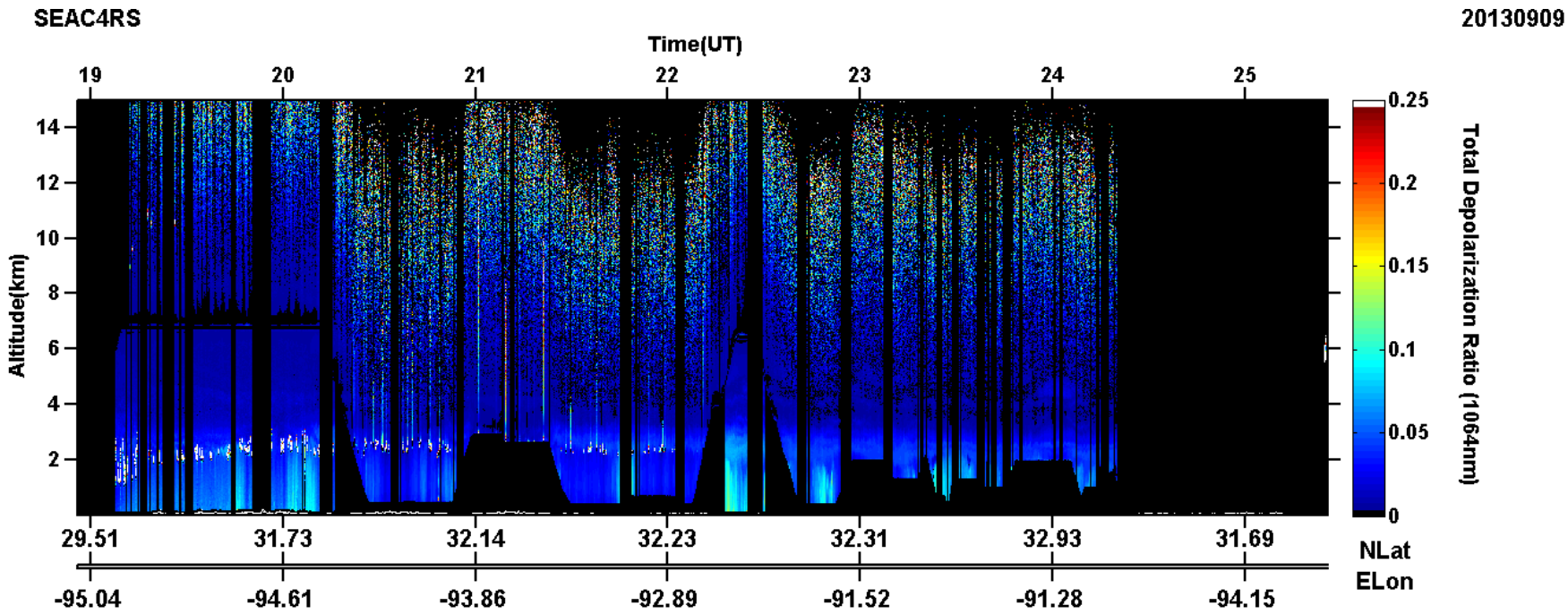
2
29.51
31.73
32.14
32.23
32.31
32.93
31.69
NLat
-95.04
-94.61
-93.86
-92.89
-91.52
-91.28
-94.15
ELon
0.1
0.08
0.06
0.04
0.02
0
Total Depolarization Ratio (532nm)


SEAC4RS
20130909
Time(UT)
19
20
21
22
23
24
25
Altitude(km)
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12
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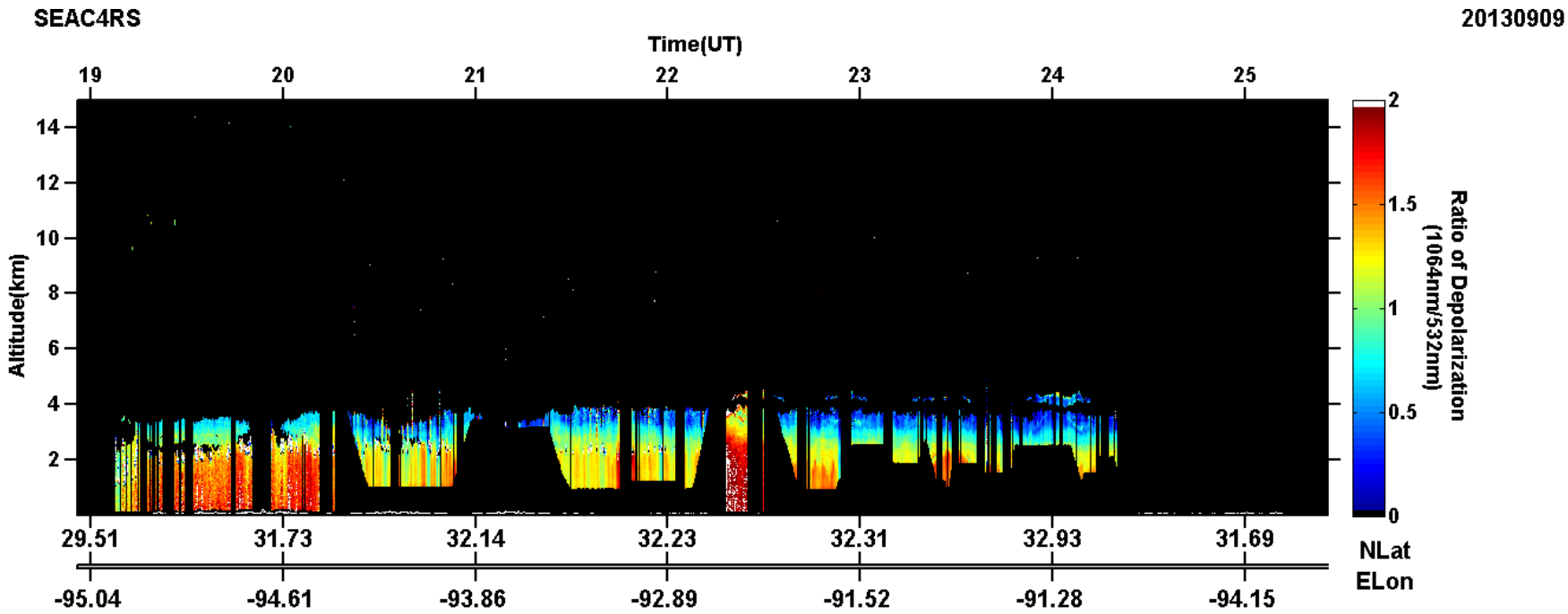
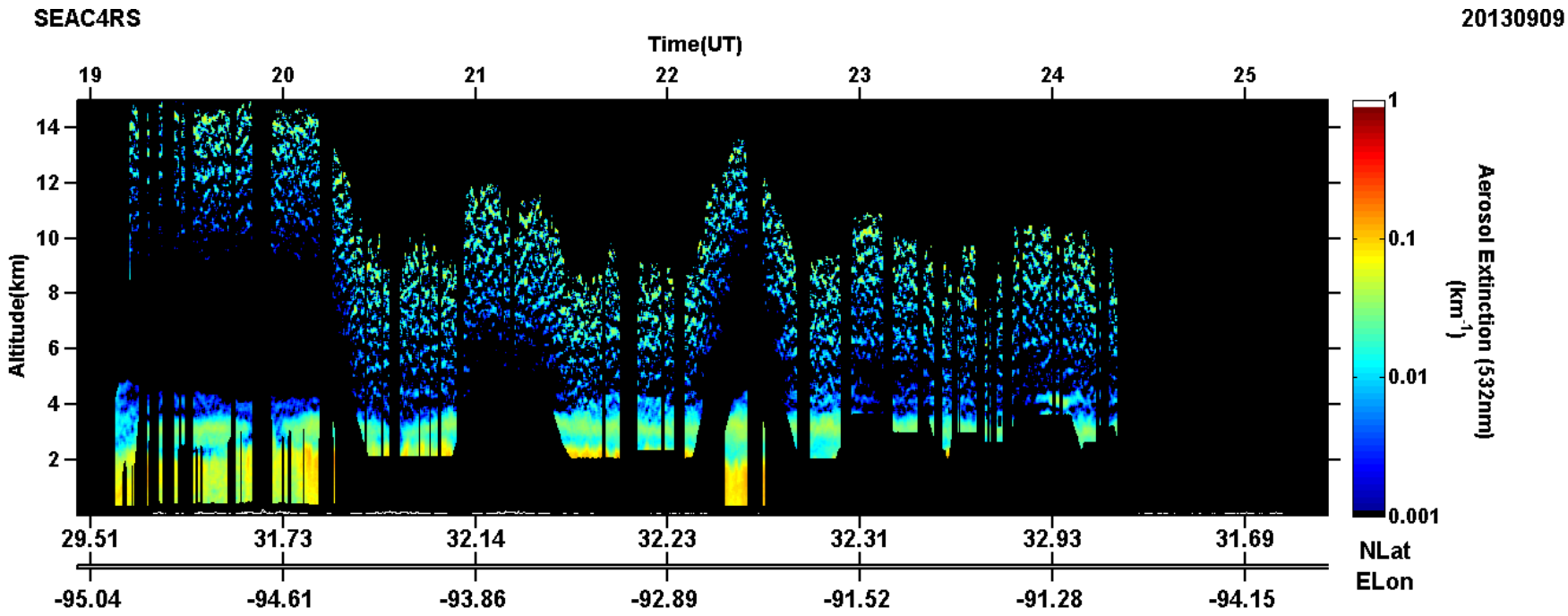
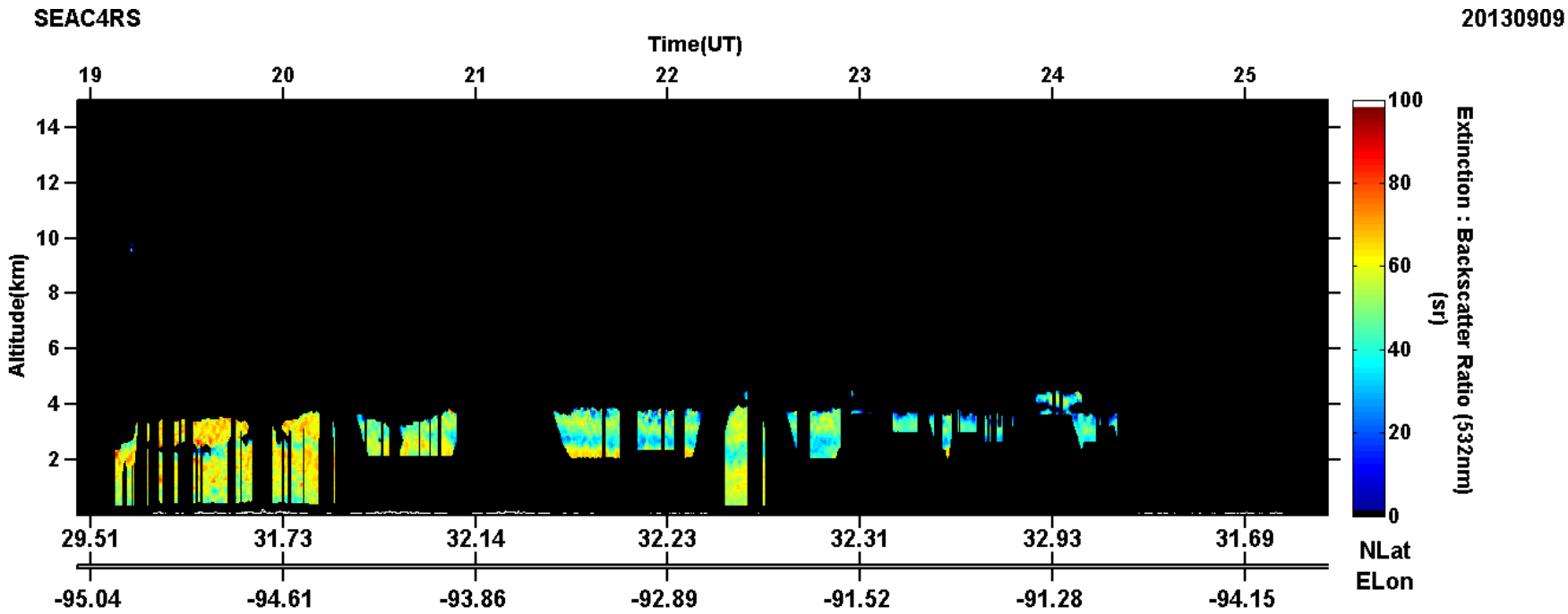
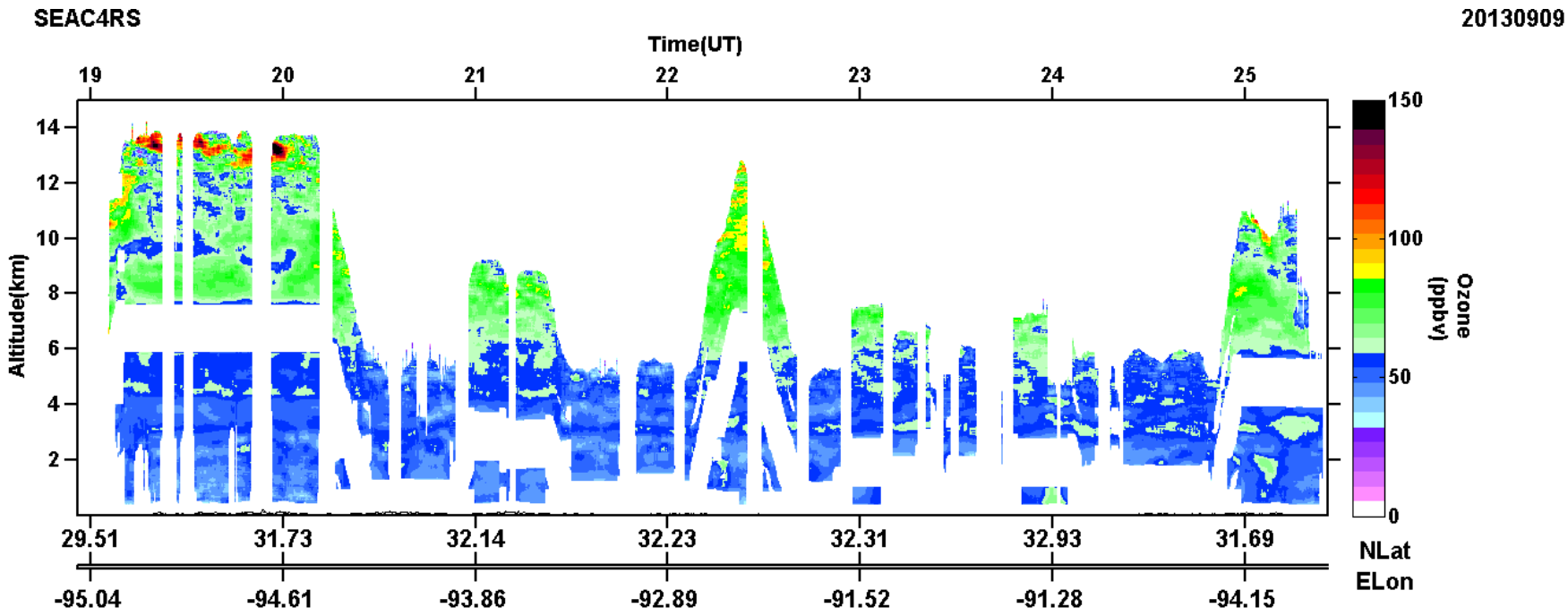
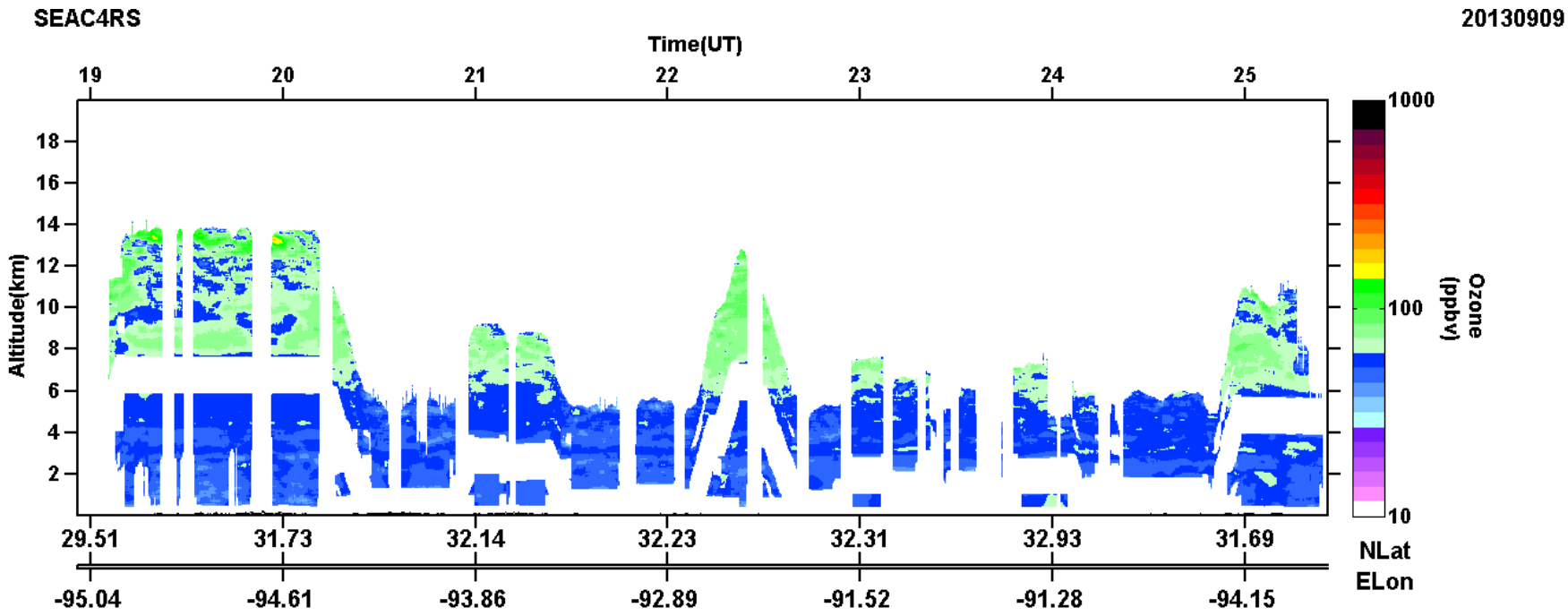
8
6
4
2
29.51
31.73
32.14
32.23
32.31
32.93
31.69
NLat
-95.04
-94.61
-93.86
-92.89
-91.52
-91.28
-94.15
ELon
0.25
0.2
0.15
0.1
0.05
0
Total Depolarization Ratio (1064nm)


SEAC4RS
20130909
Time(UT)
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
29.51
31.73
32.14
32.23
32.31
32.93
31.69
NLat
-95.04
-94.61
-93.86
-92.89
-91.52
-91.28
-94.15
ELon
Ratio of Depolarization
(1064nm/532nm)
2
1.5
1
0.5
0


SEAC4RS
20130909
Time(UT)
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
29.51
31.73
32.14
32.23
32.31
32.93
31.69
NLat
-95.04
-94.61
-93.86
-92.89
-91.52
-91.28
-94.15
ELon
1
0.1
0.01
0.001
Aerosol Extinction (532nm)
(km^{-1})


SEAC4RS
20130909
Time(UT)
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
29.51
31.73
32.14
32.23
32.31
32.93
31.69
NLat
-95.04
-94.61
-93.86
-92.89
-91.52
-91.28
-94.15
ELon
100
80
60
40
20
0
Extinction : Backscatter Ratio (532nm)
(sr)


SEAC4RS
20130909
Time(UT)
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
29.51
31.73
32.14
32.23
32.31
32.93
31.69
NLat
-95.04
-94.61
-93.86
-92.89
-91.52
-91.28
-94.15
ELon
150
100
50
0
Ozone
(ppbv)


SEAC4RS
20130909
Time(UT)
19
20
21
22
23
24
25
Altitude(km)
18
16
14
12
10
8
6
4
2
29.51
31.73
32.14
32.23
32.31
32.93
31.69
NLat
-95.04
-94.61
-93.86
-92.89
-91.52
-91.28
-94.15
ELon
1000
100
10
Ozone
(ppbv)