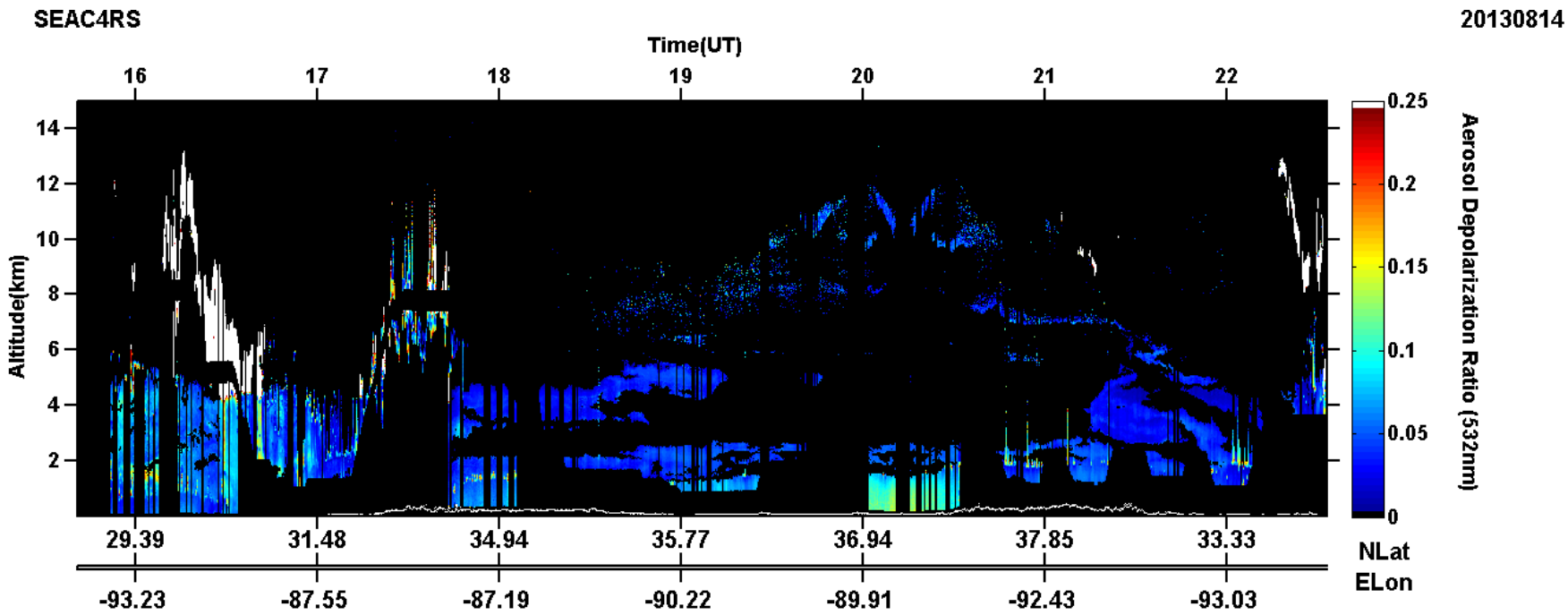
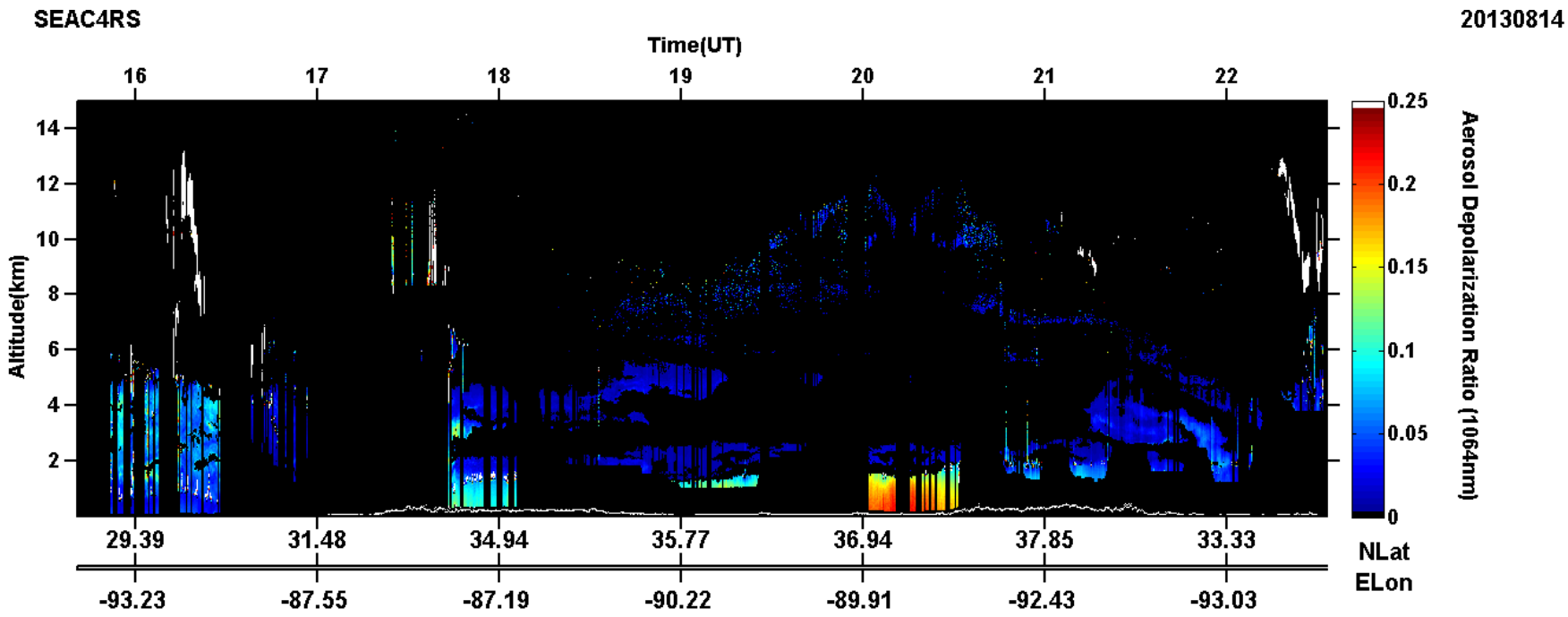

SEAC4RS
20130814
Time(UT)
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
29.39
31.48
34.94
35.77
36.94
37.85
33.33
-93.23
-87.55
-87.19
-90.22
-89.91
-92.43
-93.03
NLat
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (532nm)


SEAC4RS
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Time(UT)
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17
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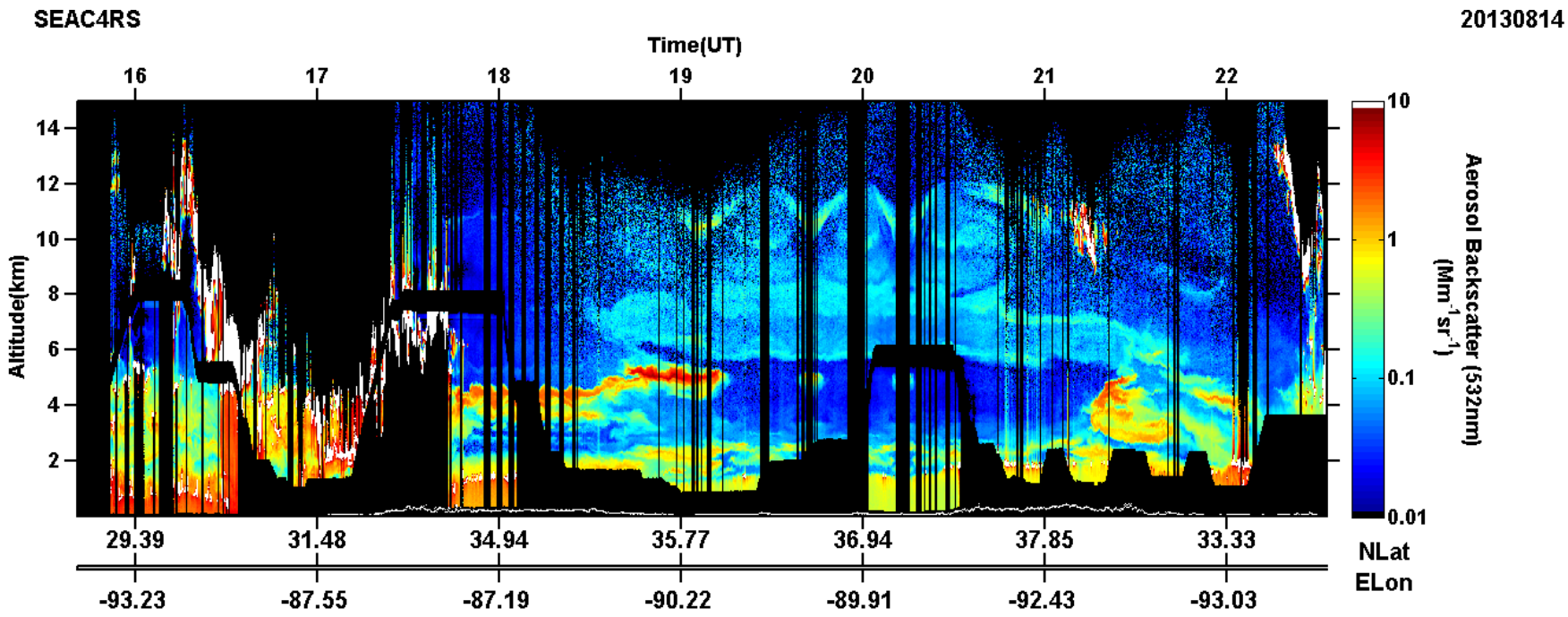
20
21
22
Altitude(km)
14
12
10
8
6
4
2
29.39
31.48
34.94
35.77
36.94
37.85
33.33
-93.23
-87.55
-87.19
-90.22
-89.91
-92.43
-93.03
NLat
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (1064nm)


SEAC4RS
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Time(UT)
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22
Altitude(km)
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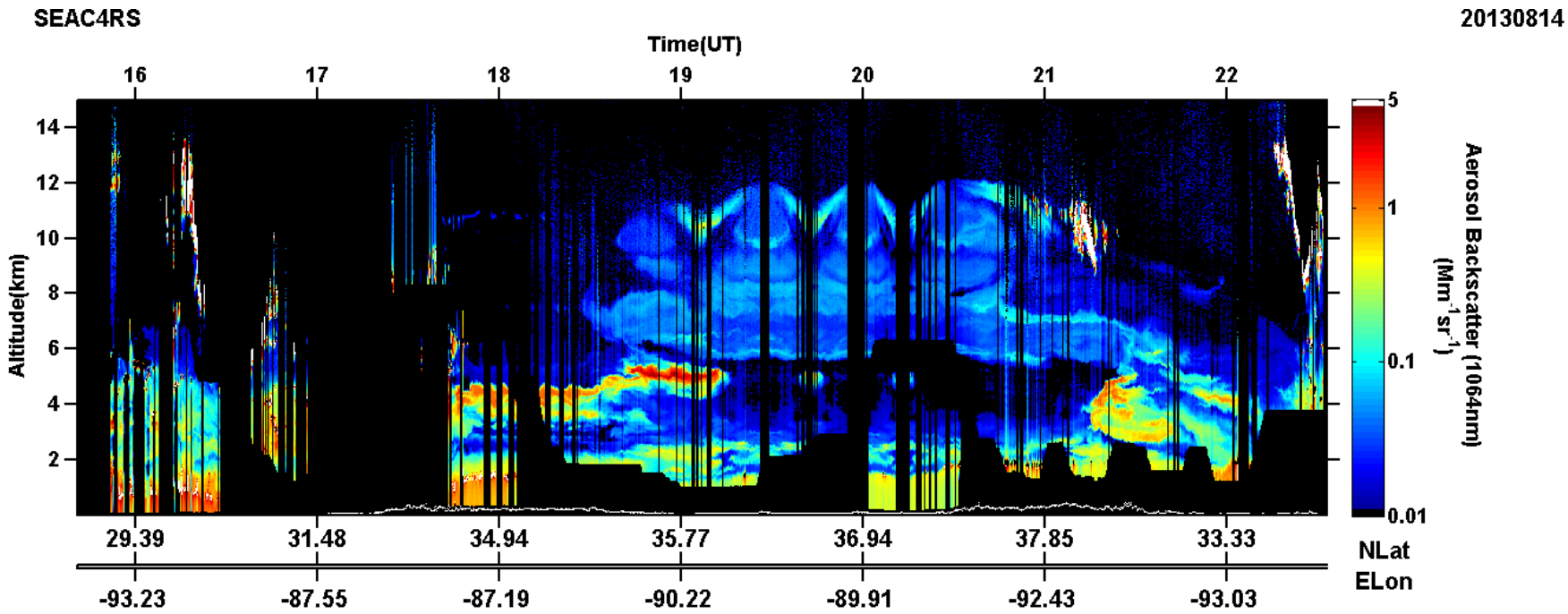
10
8
6
4
2
29.39
31.48
34.94
35.77
36.94
37.85
33.33
-93.23
-87.55
-87.19
-90.22
-89.91
-92.43
-93.03
NLat
ELon
10
1
0.1
0.01
Aerosol Backscatter (532nm)
(Mm-1sr-1)


SEAC4RS
20130814
Time(UT)
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20
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22
Altitude(km)
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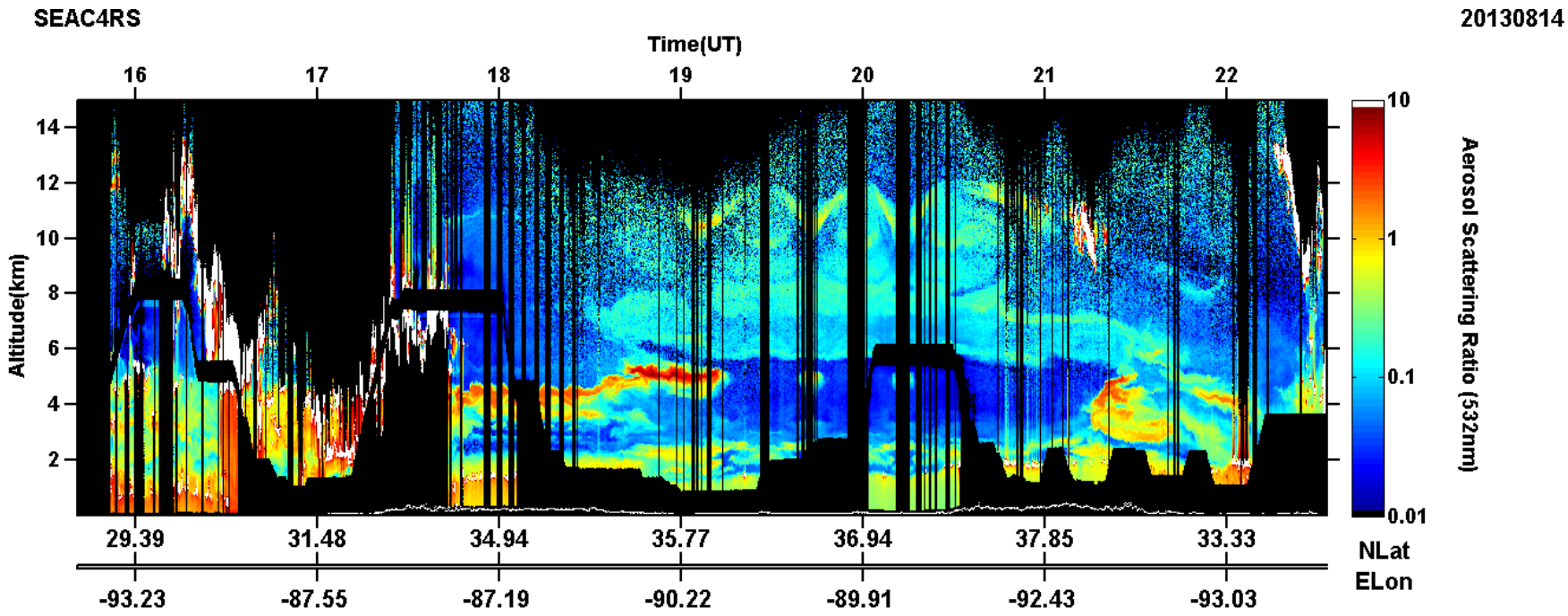
12
10
8
6
4
2
29.39
31.48
34.94
35.77
36.94
37.85
33.33
-93.23
-87.55
-87.19
-90.22
-89.91
-92.43
-93.03
NLat
ELon
5
1
0.1
0.01
Aerosol Backscatter (1064nm)
(Mm-1 sr-1)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20130814
Time(UT)
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22
Altitude(km)
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12
10
8
6
4
2
29.39
31.48
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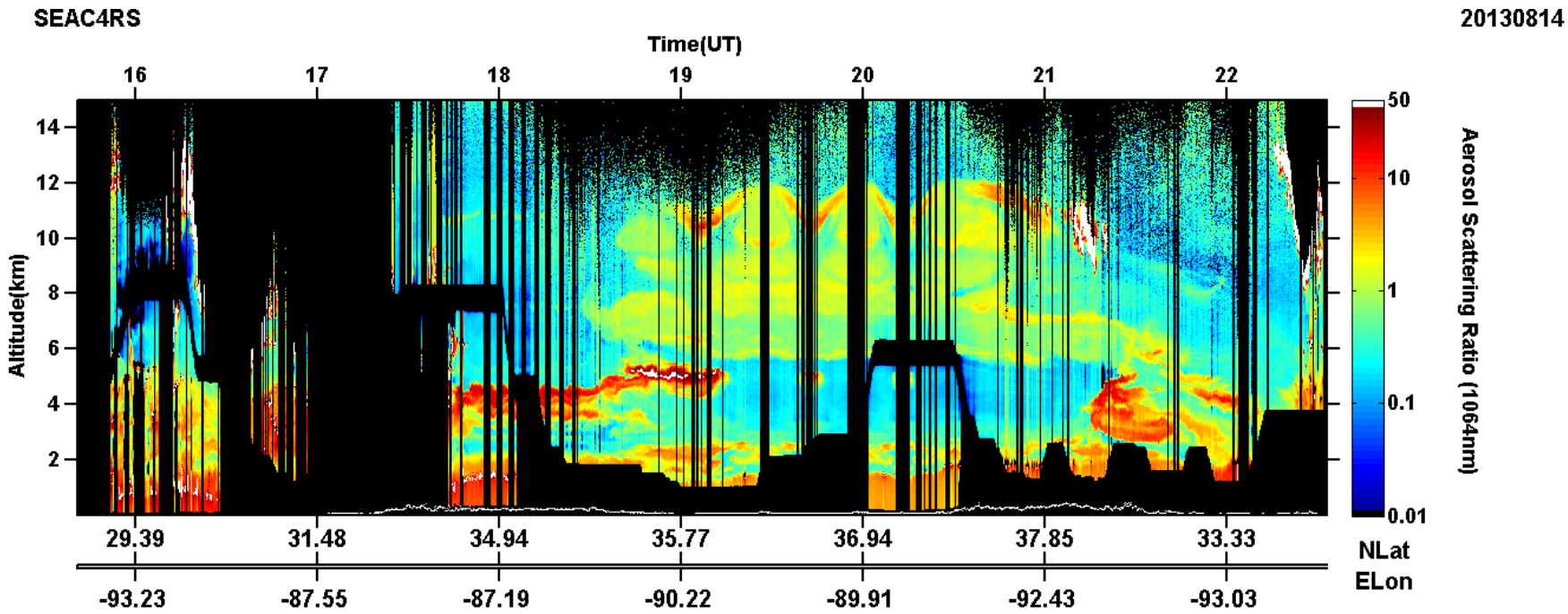
35.77
36.94
37.85
33.33
-93.23
-87.55
-87.19
-90.22
-89.91
-92.43
-93.03
NLat
ELon
10
1
0.1
0.01
Aerosol Scattering Ratio (532nm)


SEAC4RS
20130814
Time(UT)
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Altitude(km)
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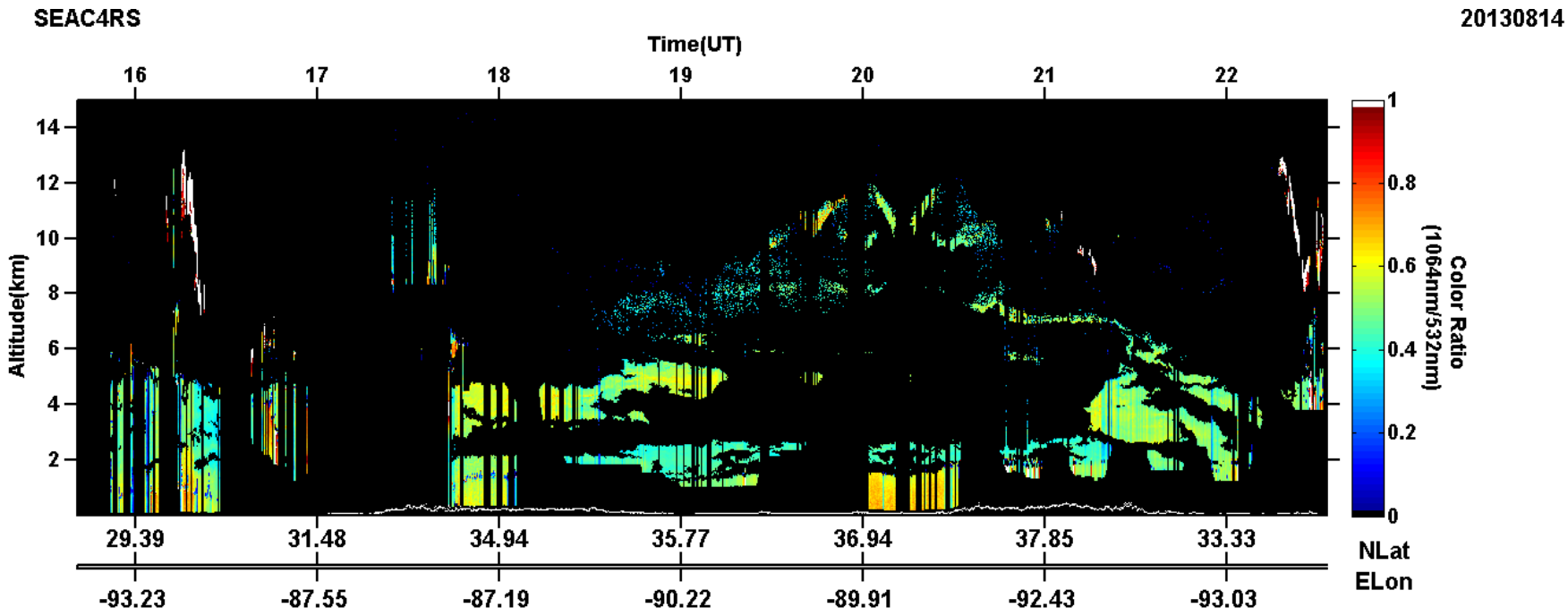
12
10
8
6
4
2
29.39
31.48
34.94
35.77
36.94
37.85
33.33
-93.23
-87.55
-87.19
-90.22
-89.91
-92.43
-93.03
NLat
ELon
50
10
1
0.1
0.01
Aerosol Scattering Ratio (1064nm)


SEAC4RS
20130814
Time(UT)
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20
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22
Altitude(km)
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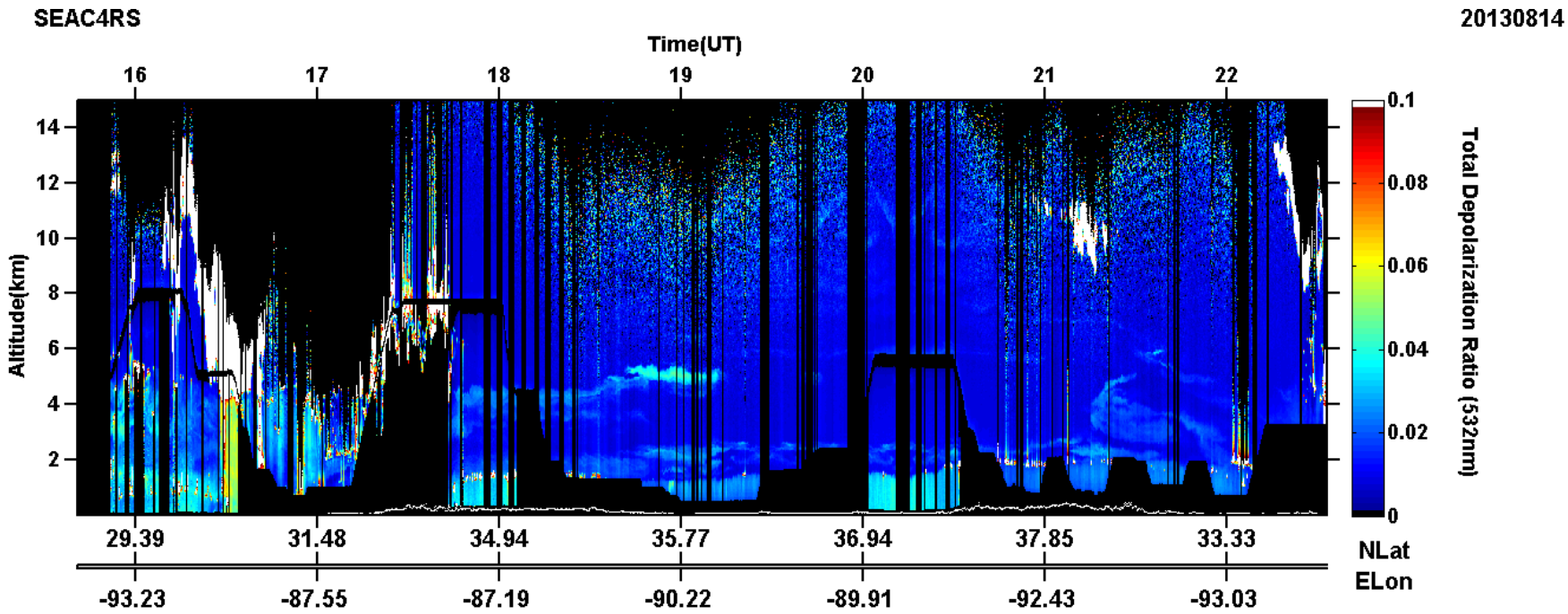
12
10
8
6
4
2
29.39
31.48
34.94
35.77
36.94
37.85
33.33
-93.23
-87.55
-87.19
-90.22
-89.91
-92.43
-93.03
NLat
ELon
Color Ratio
(1064nm/532nm)
1
0.8
0.6
0.4
0.2
0


SEAC4RS
20130814
Time(UT)
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17
18
19
20
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22
Altitude(km)
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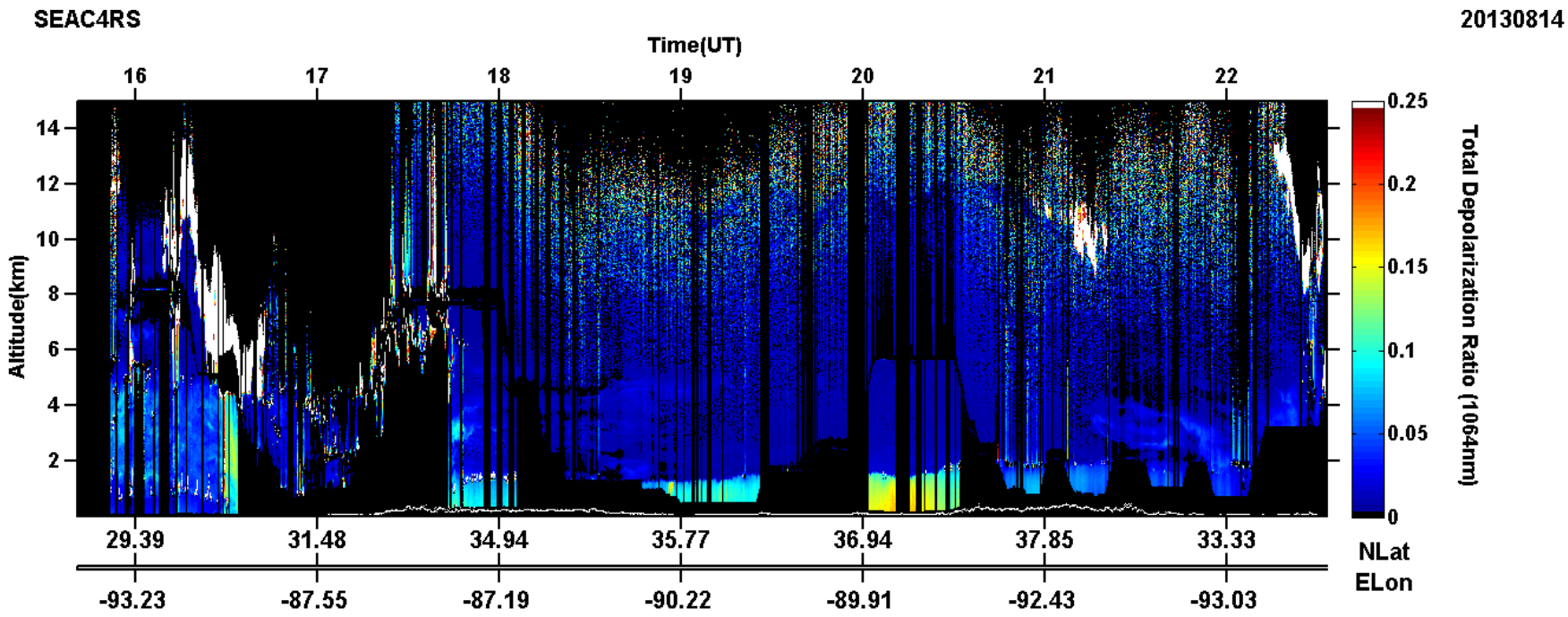
12
10
8
6
4
2
29.39
31.48
34.94
35.77
36.94
37.85
33.33
-93.23
-87.55
-87.19
-90.22
-89.91
-92.43
-93.03
NLat
ELon
0.1
0.08
0.06
0.04
0.02
0
Total Depolarization Ratio (532nm)


SEAC4RS
20130814
Time(UT)
16
17
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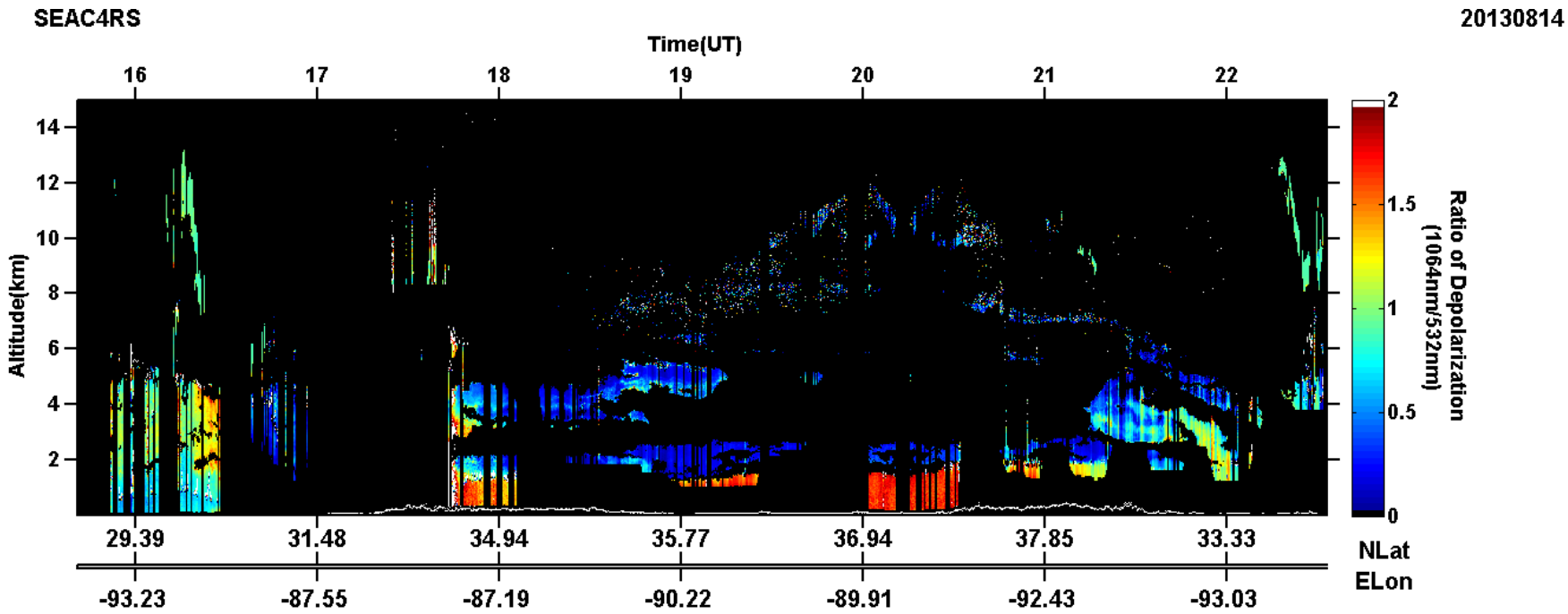
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
29.39
31.48
34.94
35.77
36.94
37.85
33.33
-93.23
-87.55
-87.19
-90.22
-89.91
-92.43
-93.03
NLat
ELon
0.25
0.2
0.15
0.1
0.05
0
Total Depolarization Ratio (1064nm)


SEAC4RS
20130814
Time(UT)
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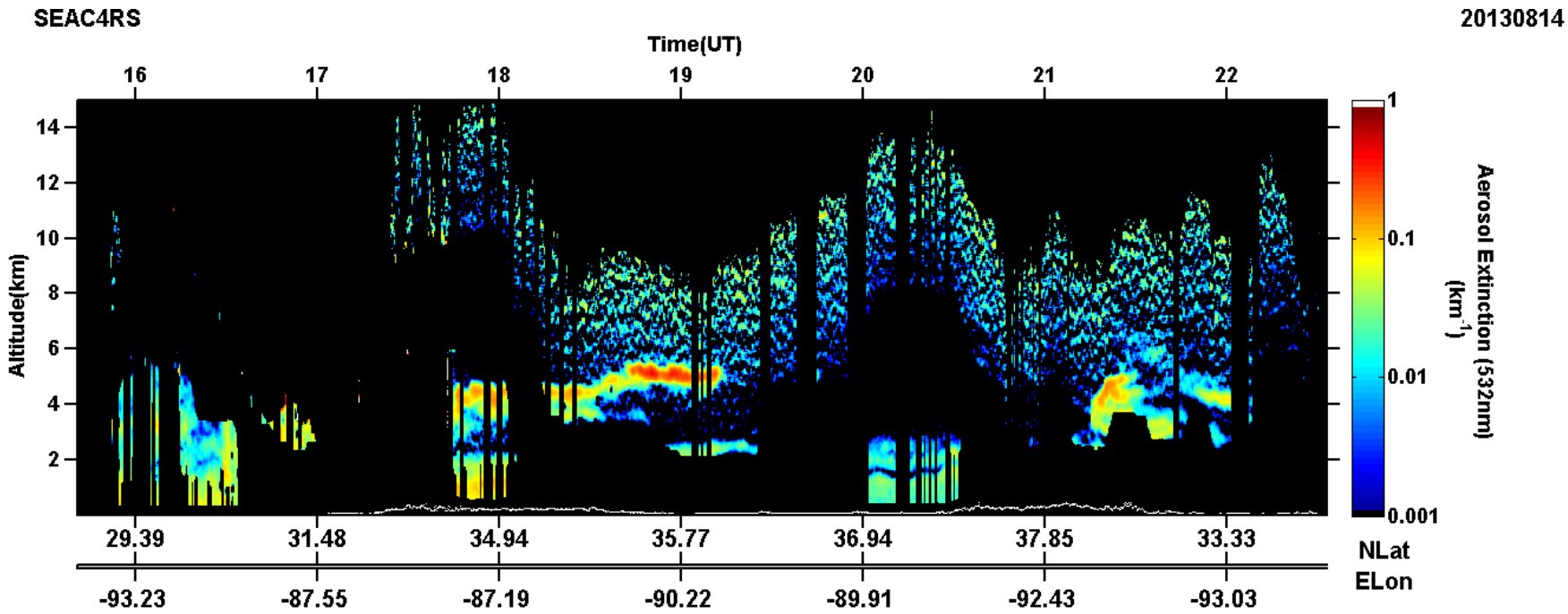
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
29.39
31.48
34.94
35.77
36.94
37.85
33.33
-93.23
-87.55
-87.19
-90.22
-89.91
-92.43
-93.03
NLat
ELon
Ratio of Depolarization
(1064nm/532nm)
2
1.5
1
0.5
0


SEAC4RS
20130814
Time(UT)
16
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19
20
21
22
Altitude(km)
14
12
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8
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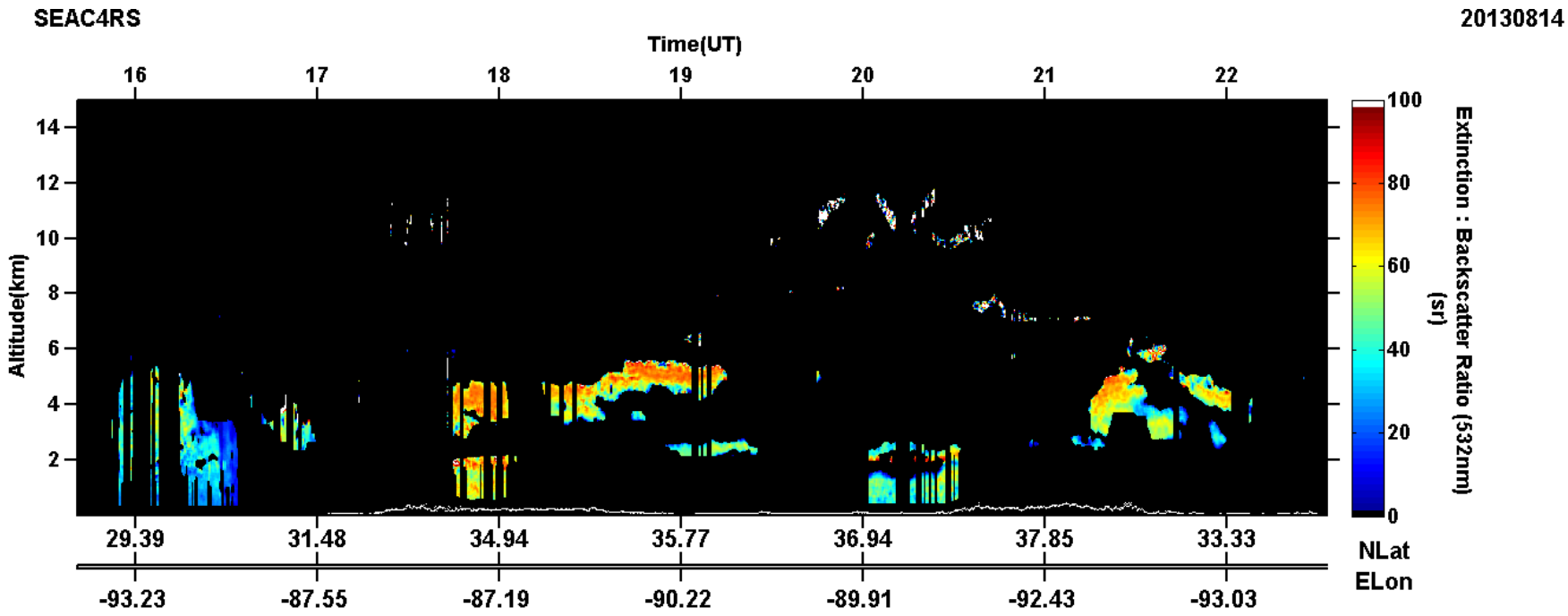
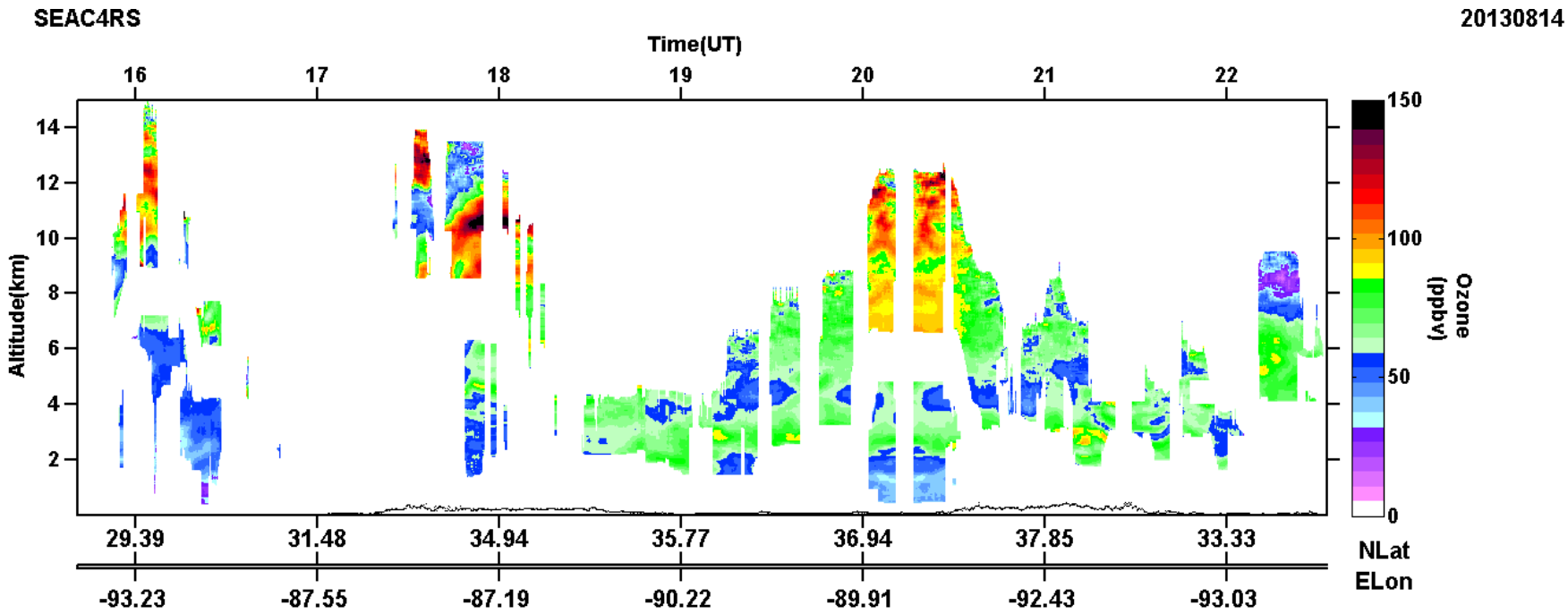
4
2
29.39
31.48
34.94
35.77
36.94
37.85
33.33
-93.23
-87.55
-87.19
-90.22
-89.91
-92.43
-93.03
NLat
ELon
1
0.1
0.01
0.001
Aerosol Extinction (532nm)
(km^{-1})


SEAC4RS
20130814
Time(UT)
16
17
18
19
20
21
22
Altitude(km)
14
12
10
8
6
4
2
29.39
31.48
34.94
35.77
36.94
37.85
33.33
-93.23
-87.55
-87.19
-90.22
-89.91
-92.43
-93.03
NLat
ELon
100
80
60
40
20
0
Extinction : Backscatter Ratio (532nm)
(sr)


SEAC4RS
20130814
Time(UT)
16
17
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20
21
22
Altitude(km)
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6
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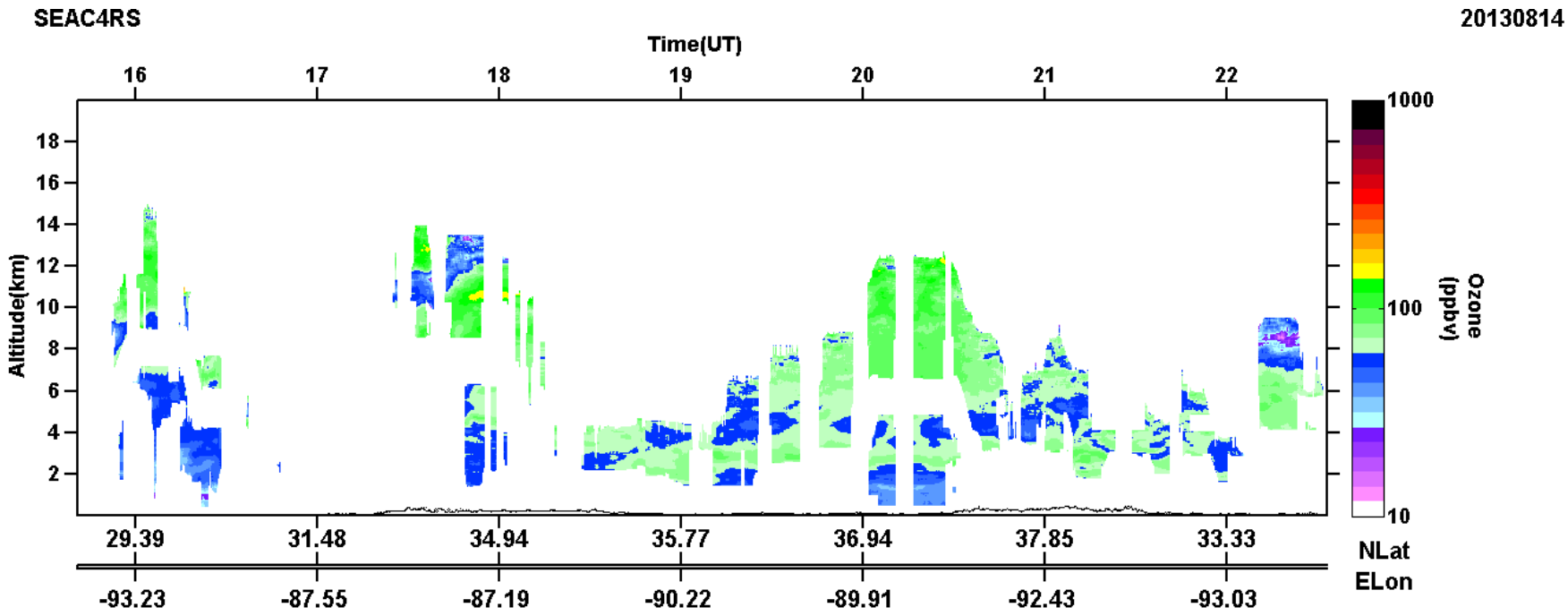
29.39
31.48
34.94
35.77
36.94
37.85
33.33
-93.23
-87.55
-87.19
-90.22
-89.91
-92.43
-93.03
NLat
ELon
150
100
50
0
Ozone
(ppbv)


SEAC4RS
20130814
Time(UT)
16
17
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19
20
21
22
Altitude(km)
18
16
14
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29.39
31.48
34.94
35.77
36.94
37.85
33.33
-93.23
-87.55
-87.19
-90.22
-89.91
-92.43
-93.03
NLat
ELon
1000
100
10
Ozone
(ppbv)