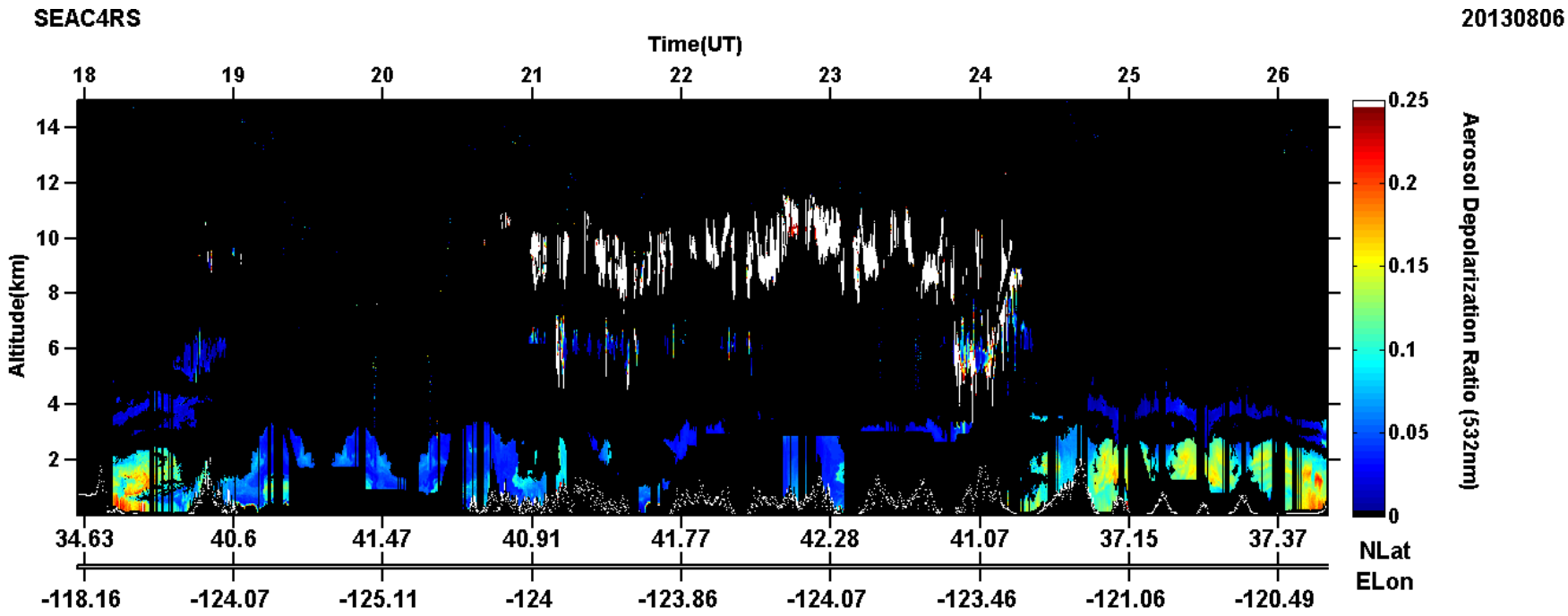
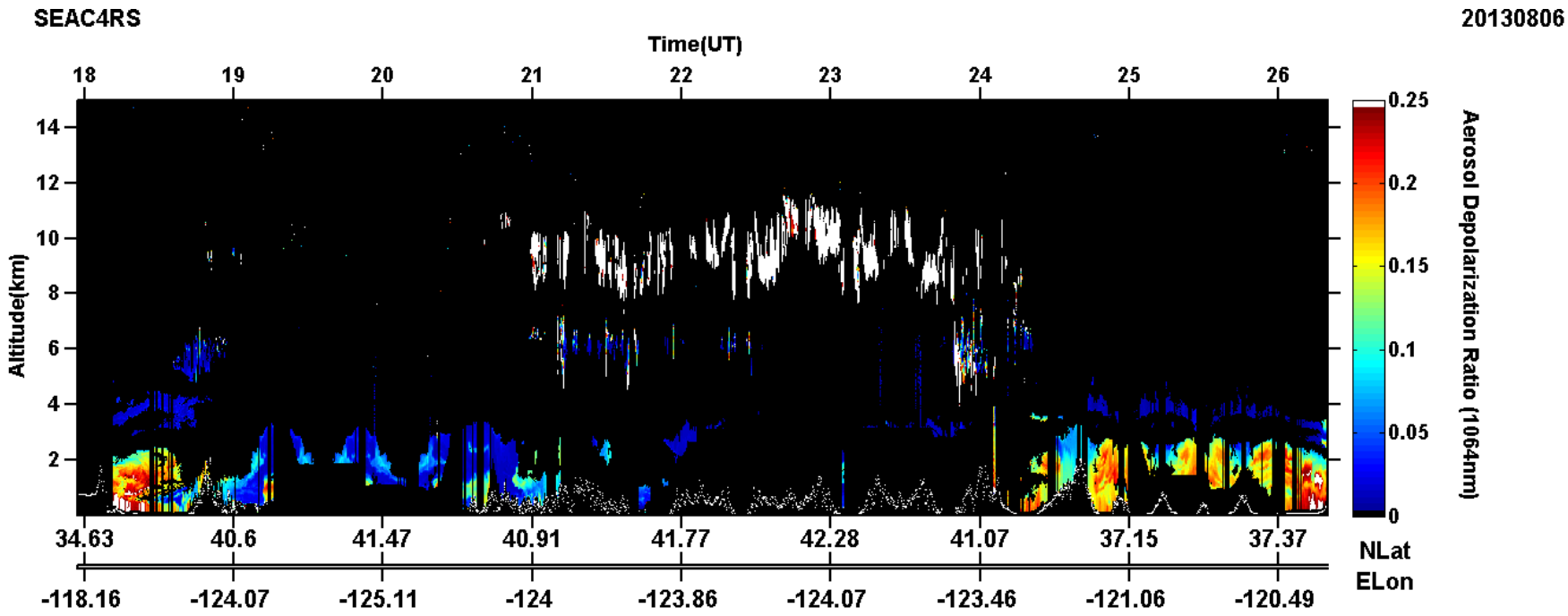
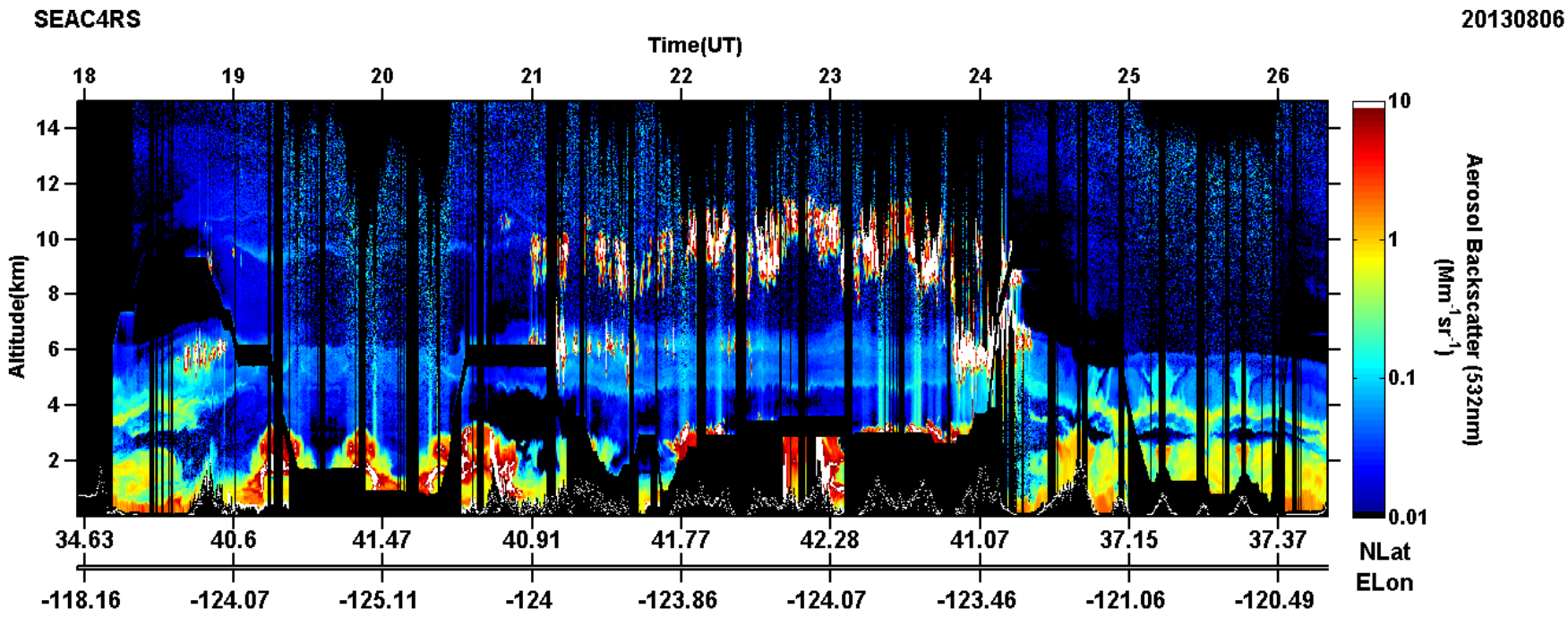

SEAC4RS
20130806
Time(UT)
18
19
20
21
22
23
24
25
26
Altitude(km)
14
12
10
8
6
4
2
34.63
40.6
41.47
40.91
41.77
42.28
41.07
37.15
37.37
NLat
-118.16
-124.07
-125.11
-124
-123.86
-124.07
-123.46
-121.06
-120.49
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (532nm)


SEAC4RS
20130806
Time(UT)
18
19
20
21
22
23
24
25
26
Altitude(km)
14
12
10
8
6
4
2
34.63
40.6
41.47
40.91
41.77
42.28
41.07
37.15
37.37
NLat
-118.16
-124.07
-125.11
-124
-123.86
-124.07
-123.46
-121.06
-120.49
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (1064nm)


SEAC4RS
20130806
Time(UT)
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19
20
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22
23
24
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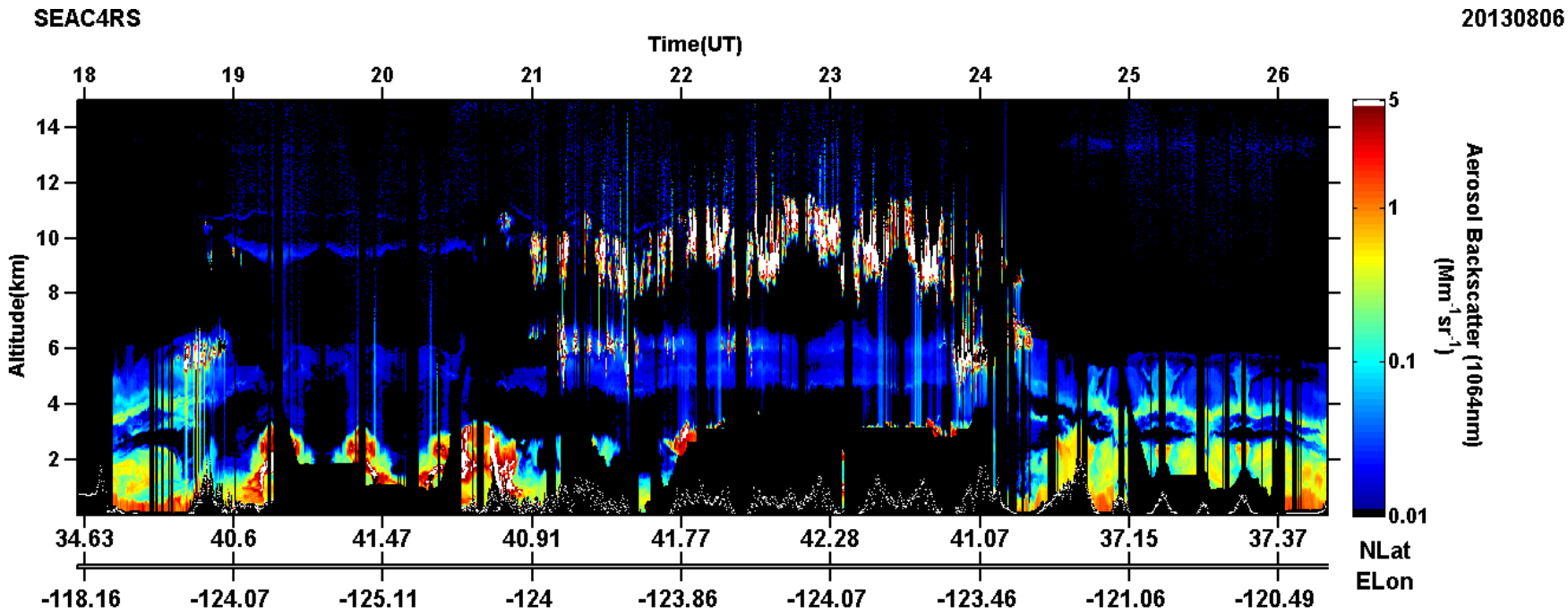
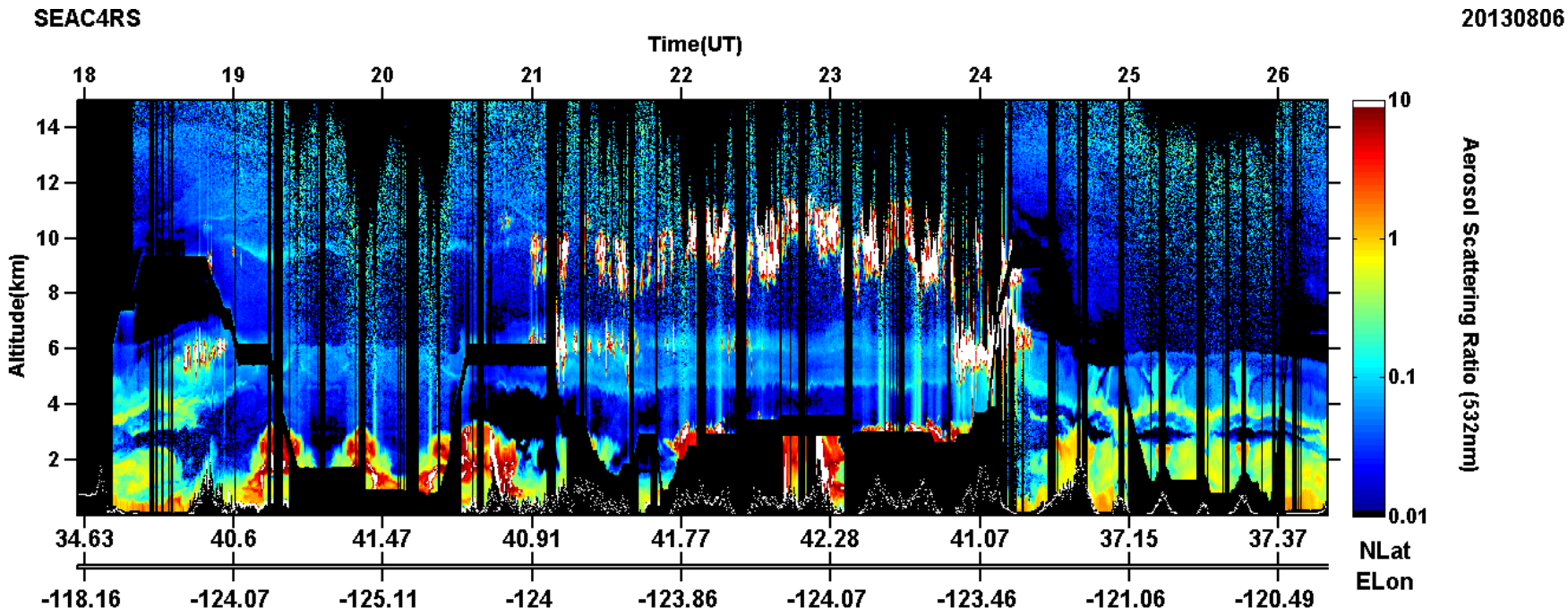
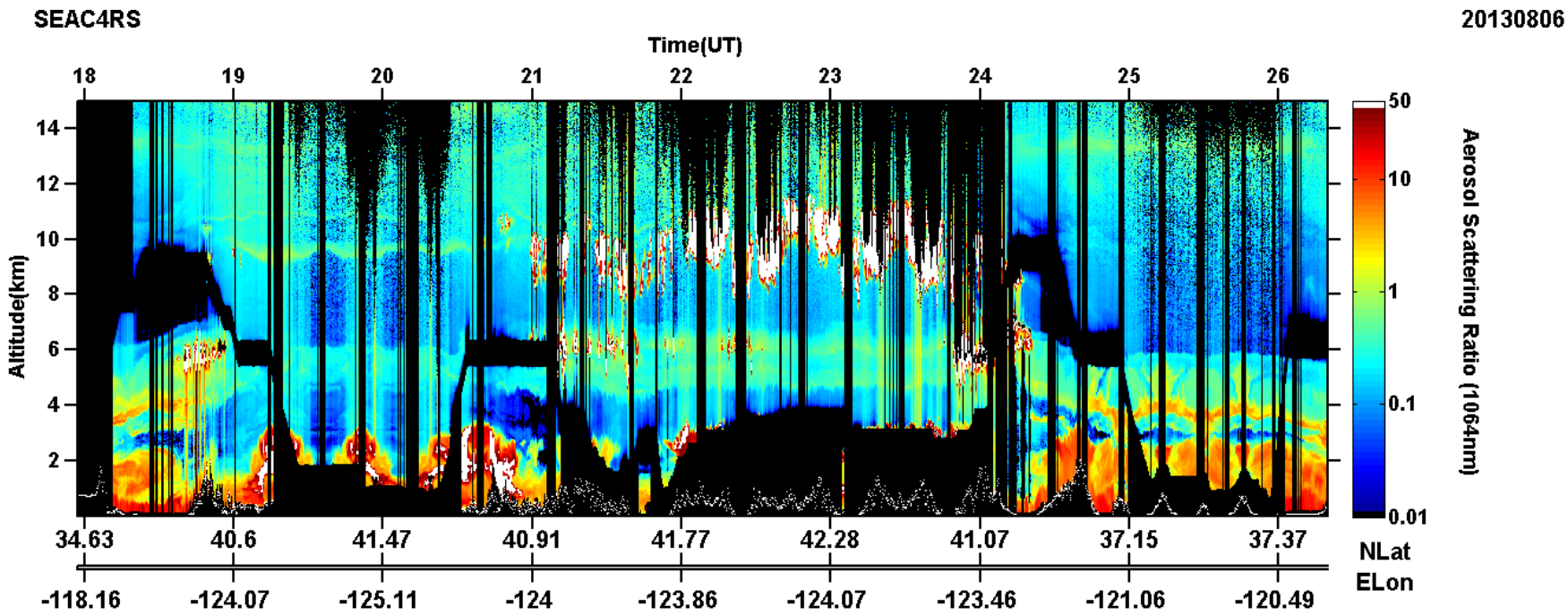
26
Altitude(km)
14
12
10
8
6
4
2
34.63
40.6
41.47
40.91
41.77
42.28
41.07
37.15
37.37
NLat
-118.16
-124.07
-125.11
-124
-123.86
-124.07
-123.46
-121.06
-120.49
ELon
10
1
0.1
0.01
Aerosol Backscatter (532nm)
(Mm-1sr-1)


SEAC4RS
20130806
Time(UT)
18
19
20
21
22
23
24
25
26
Altitude(km)
14
12
10
8
6
4
2
34.63
40.6
41.47
40.91
41.77
42.28
41.07
37.15
37.37
NLat
-118.16
-124.07
-125.11
-124
-123.86
-124.07
-123.46
-121.06
-120.49
ELon
5
1
0.1
0.01
Aerosol Backscatter (1064nm)
(Mm-1sr-1)


SEAC4RS
20130806
Time(UT)
18
19
20
21
22
23
24
25
26
Altitude(km)
14
12
10
8
6
4
2
34.63
40.6
41.47
40.91
41.77
42.28
41.07
37.15
37.37
NLat
-118.16
-124.07
-125.11
-124
-123.86
-124.07
-123.46
-121.06
-120.49
ELon
10
1
0.1
0.01
Aerosol Scattering Ratio (532nm)


SEAC4RS
20130806
Time(UT)
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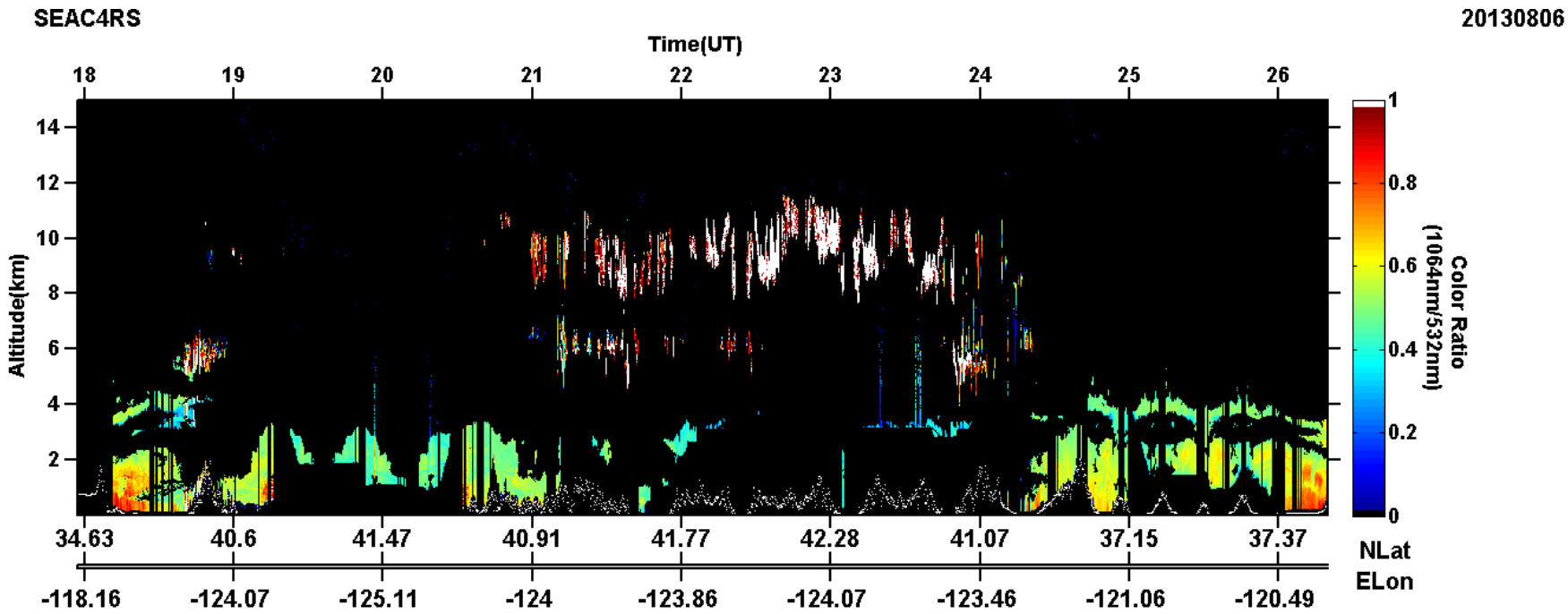
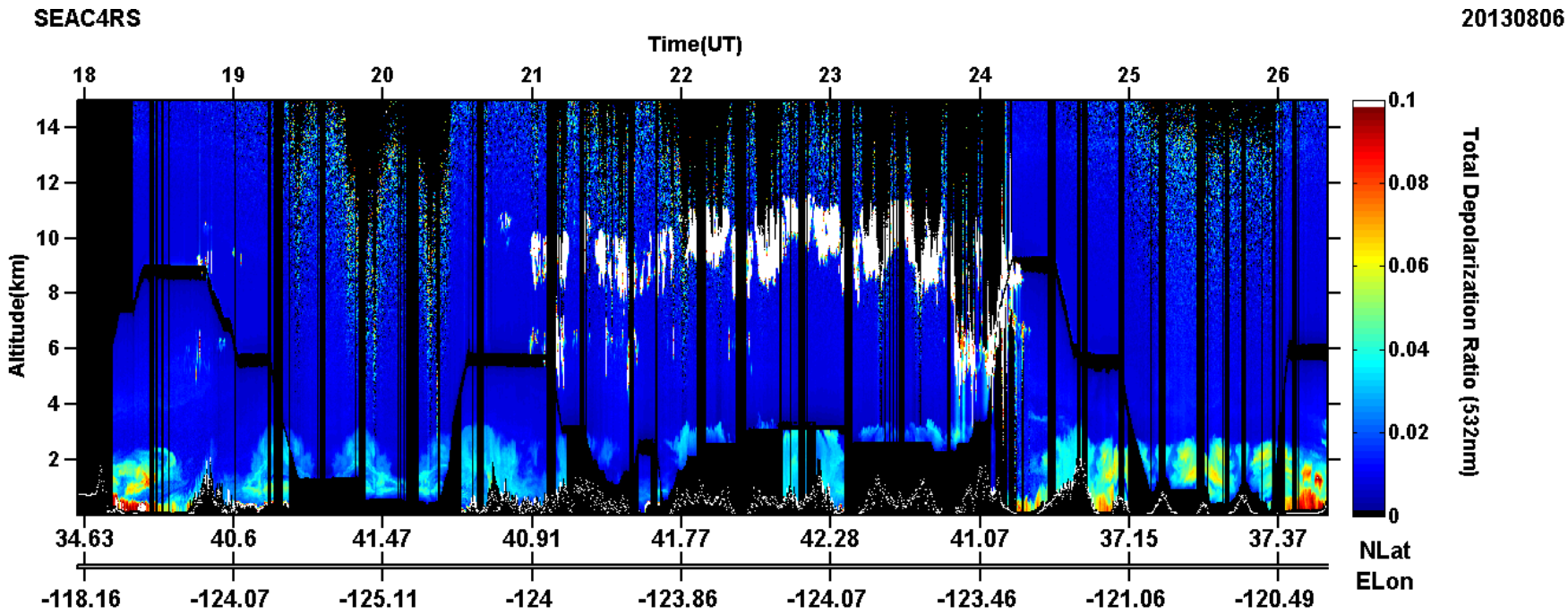
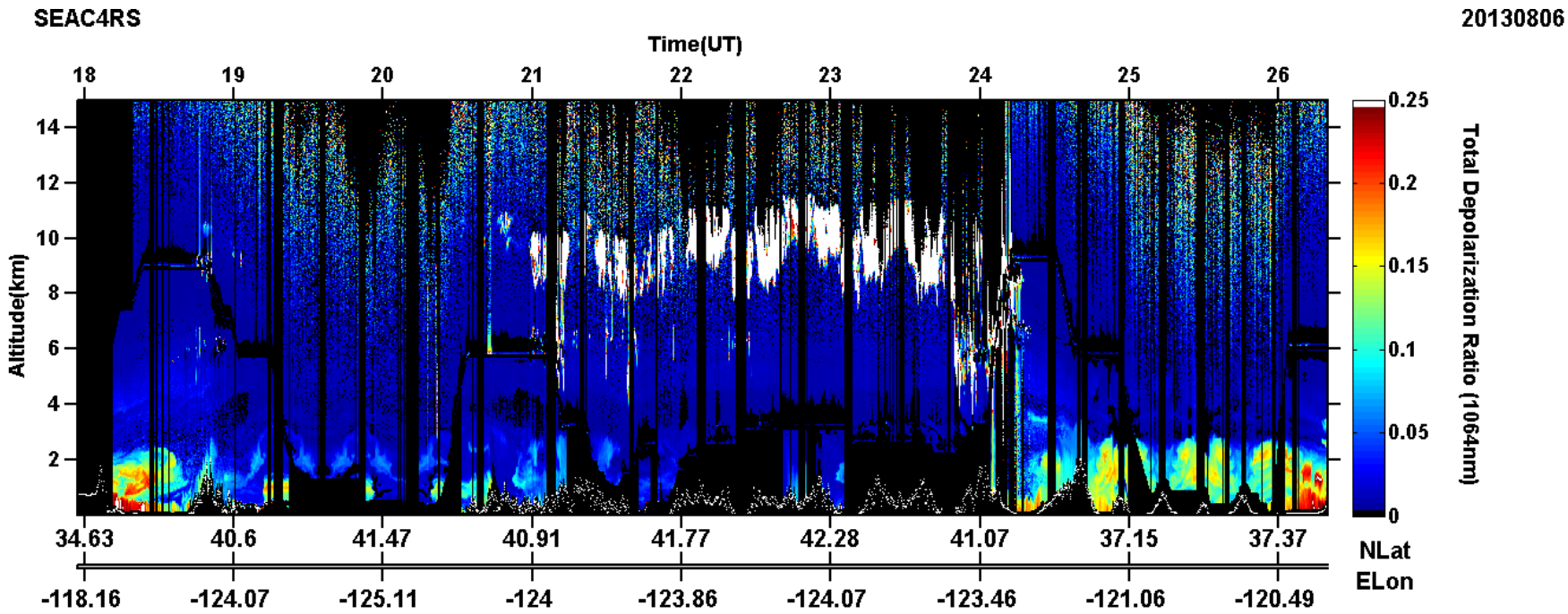
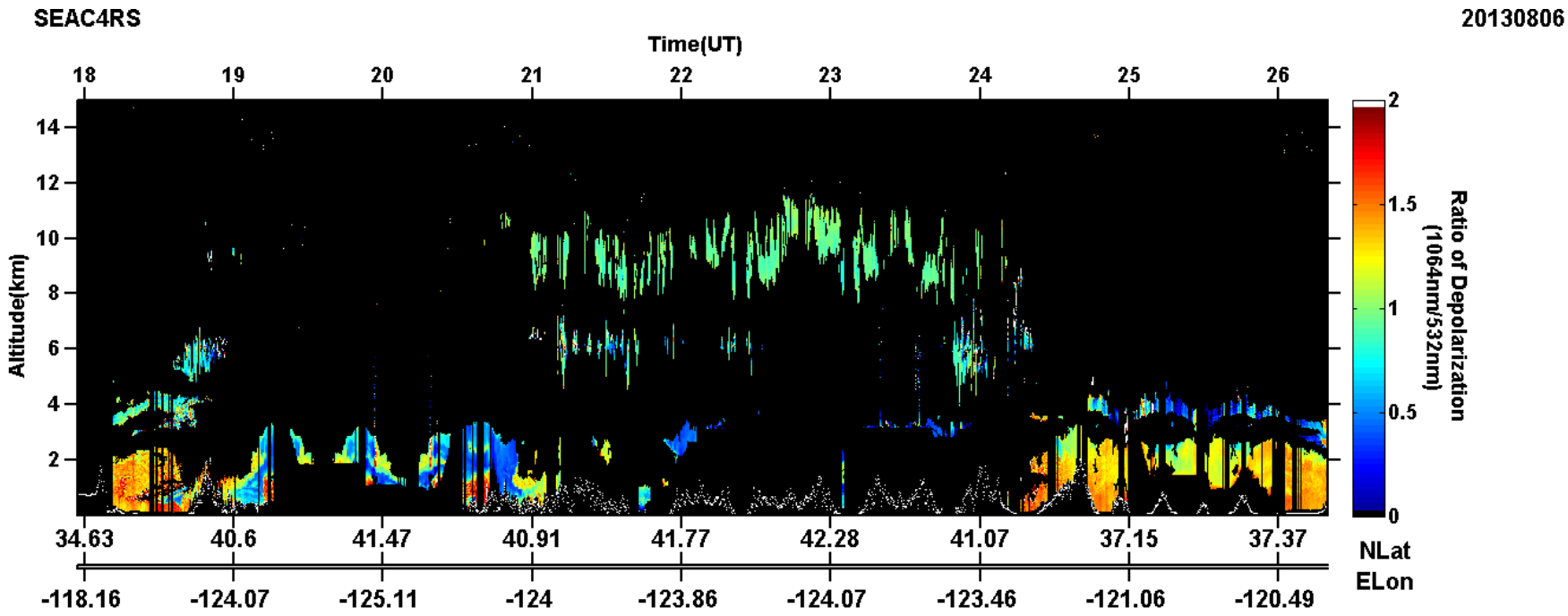
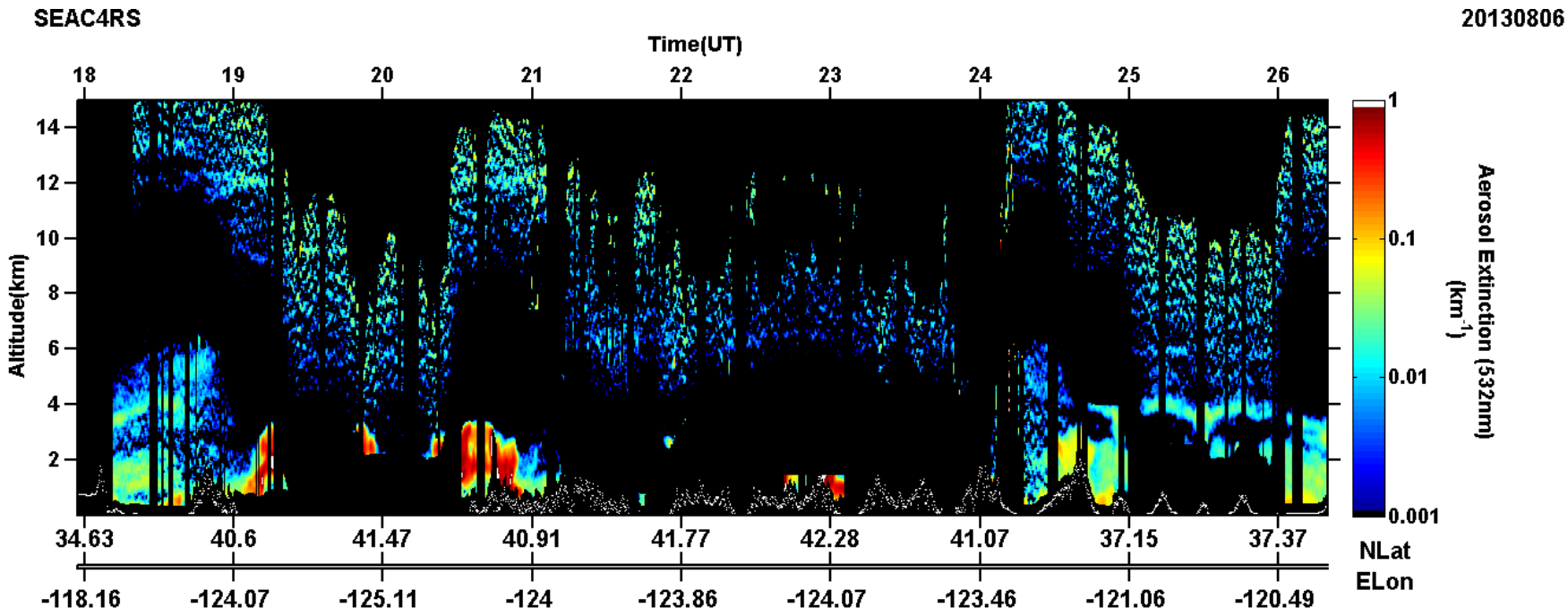
19
20
21
22
23
24
25
26
Altitude(km)
14
12
10
8
6
4
2
34.63
40.6
41.47
40.91
41.77
42.28
41.07
37.15
37.37
NLat
-118.16
-124.07
-125.11
-124
-123.86
-124.07
-123.46
-121.06
-120.49
ELon
50
10
1
0.1
0.01
Aerosol Scattering Ratio (1064nm)

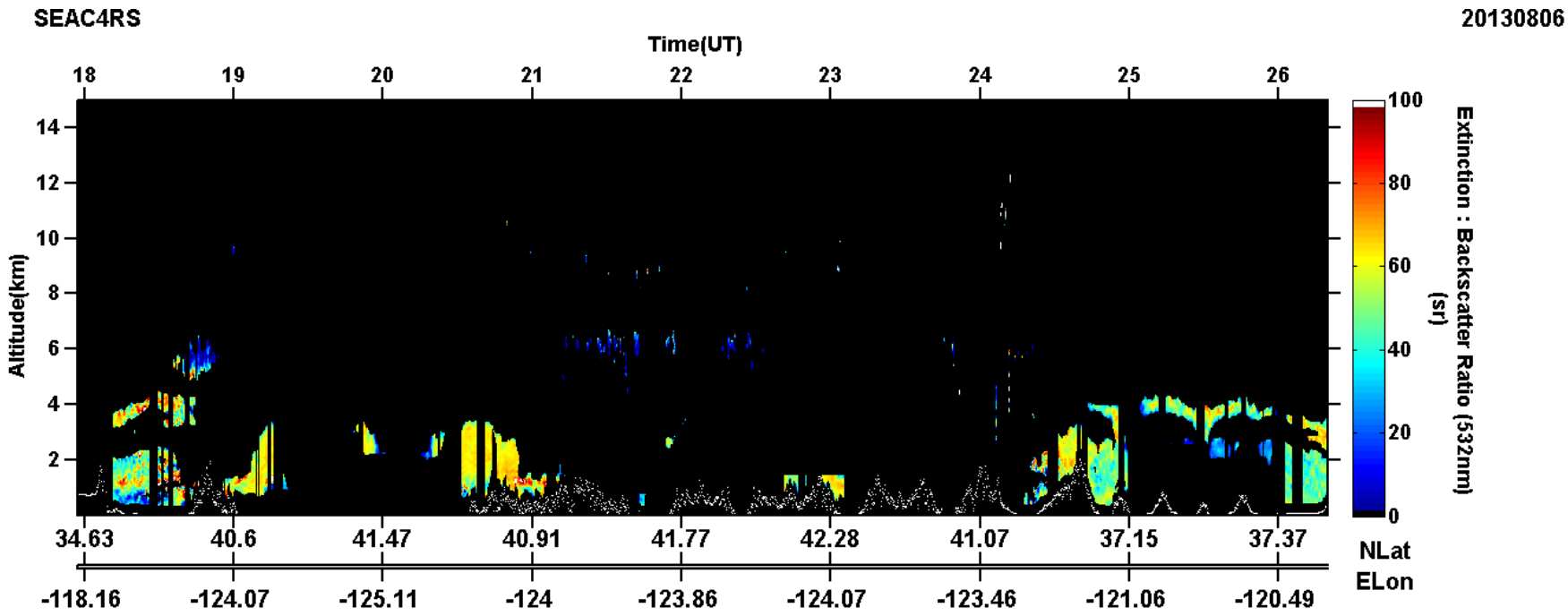

SEAC4RS
20130806
Time(UT)
18
19
20
21
22
23
24
25
26
Altitude(km)
14
12
10
8
6
4
2
34.63
40.6
41.47
40.91
41.77
42.28
41.07
37.15
37.37
NLat
-118.16
-124.07
-125.11
-124
-123.86
-124.07
-123.46
-121.06
-120.49
ELon
Color Ratio
(1064nm/532nm)
1
0.8
0.6
0.4
0.2
0

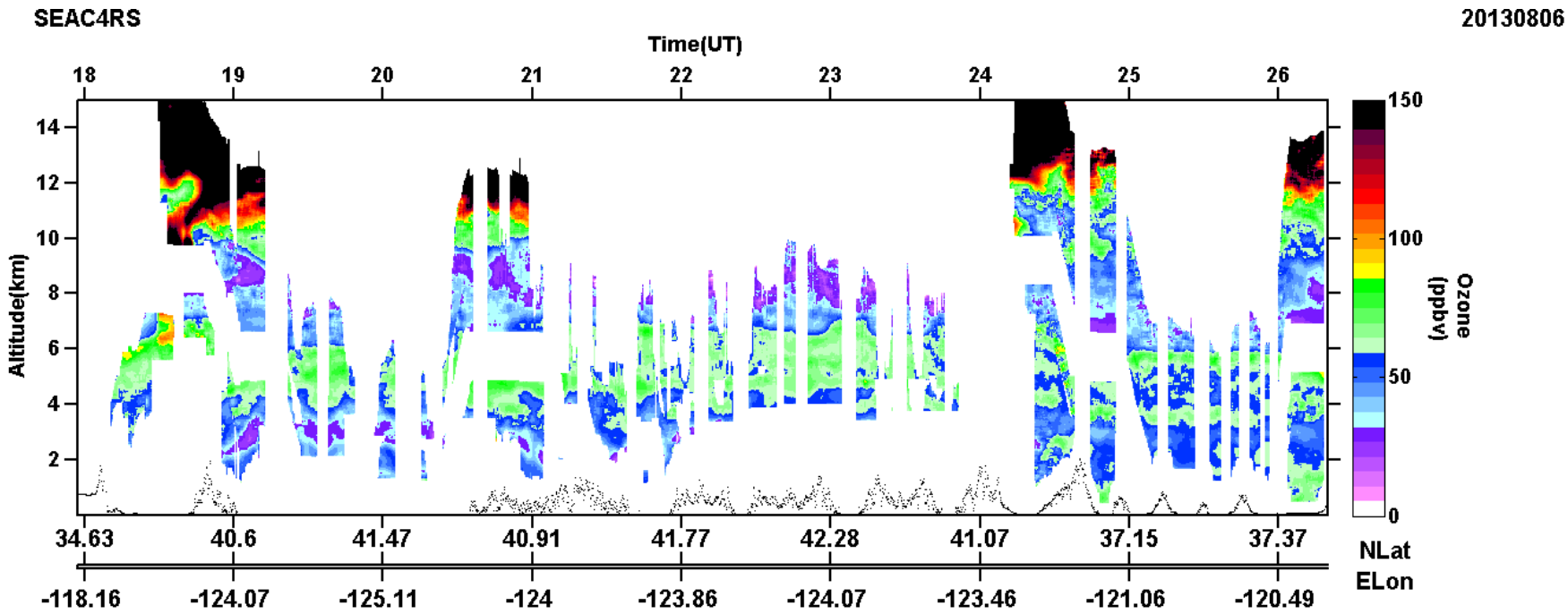

SEAC4RS
20130806
Time(UT)
18
19
20
21
22
23
24
25
26
Altitude(km)
14
12
10
8
6
4
2
34.63
40.6
41.47
40.91
41.77
42.28
41.07
37.15
37.37
NLat
-118.16
-124.07
-125.11
-124
-123.86
-124.07
-123.46
-121.06
-120.49
ELon
0.1
0.08
0.06
0.04
0.02
0
Total Depolarization Ratio (532nm)

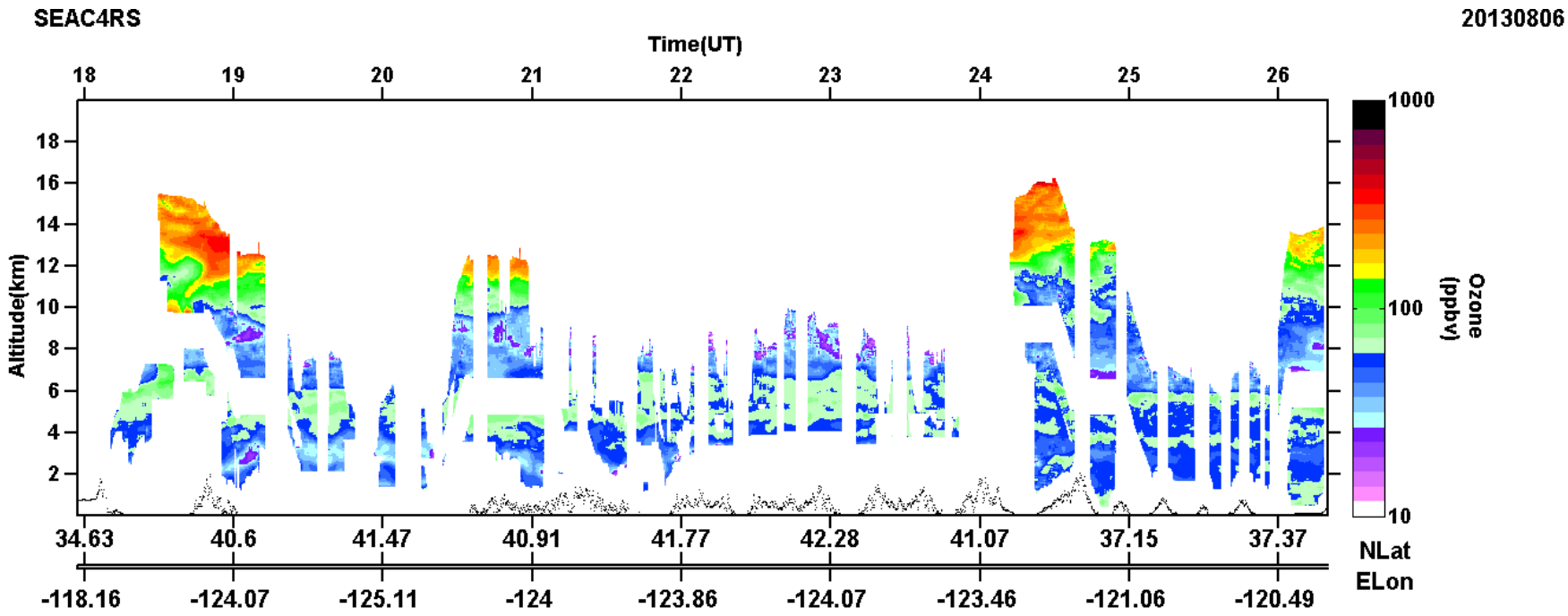

SEAC4RS
20130806
Time(UT)
18
19
20
21
22
23
24
25
26
Altitude(km)
14
12
10
8
6
4
2
34.63
40.6
41.47
40.91
41.77
42.28
41.07
37.15
37.37
NLat
-118.16
-124.07
-125.11
-124
-123.86
-124.07
-123.46
-121.06
-120.49
ELon
0.25
0.2
0.15
0.1
0.05
0
Total Depolarization Ratio (1064nm)


SEAC4RS
20130806
Time(UT)
18
19
20
21
22
23
24
25
26
Altitude(km)
14
12
10
8
6
4
2
34.63
40.6
41.47
40.91
41.77
42.28
41.07
37.15
37.37
NLat
-118.16
-124.07
-125.11
-124
-123.86
-124.07
-123.46
-121.06
-120.49
ELon
Ratio of Depolarization
(1064nm/532nm)
2
1.5
1
0.5
0


SEAC4RS
20130806
Time(UT)
18
19
20
21
22
23
24
25
26
Altitude(km)
14
12
10
8
6
4
2
34.63
40.6
41.47
40.91
41.77
42.28
41.07
37.15
37.37
NLat
-118.16
-124.07
-125.11
-124
-123.86
-124.07
-123.46
-121.06
-120.49
ELon
1
0.1
0.01
0.001
Aerosol Extinction (532nm)
(km^{-1})


SEAC4RS
20130806
Time(UT)
18
19
20
21
22
23
24
25
26
Altitude(km)
14
12
10
8
6
4
2
34.63
40.6
41.47
40.91
41.77
42.28
41.07
37.15
37.37
NLat
-118.16
-124.07
-125.11
-124
-123.86
-124.07
-123.46
-121.06
-120.49
ELon
100
80
60
40
20
0
Extinction : Backscatter Ratio (532nm)
(sr)


SEAC4RS
20130806
Time(UT)
18
19
20
21
22
23
24
25
26
Altitude(km)
14
12
10
8
6
4
2
34.63
40.6
41.47
40.91
41.77
42.28
41.07
37.15
37.37
NLat
-118.16
-124.07
-125.11
-124
-123.86
-124.07
-123.46
-121.06
-120.49
ELon
150
100
50
0
Ozone
(ppbv)


SEAC4RS
20130806
Time(UT)
18
19
20
21
22
23
24
25
26
Altitude(km)
18
16
14
12
10
8
6
4
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34.63
40.6
41.47
40.91
41.77
42.28
41.07
37.15
37.37
NLat
-118.16
-124.07
-125.11
-124
-123.86
-124.07
-123.46
-121.06
-120.49
ELon
1000
100
10
Ozone
(ppbv)