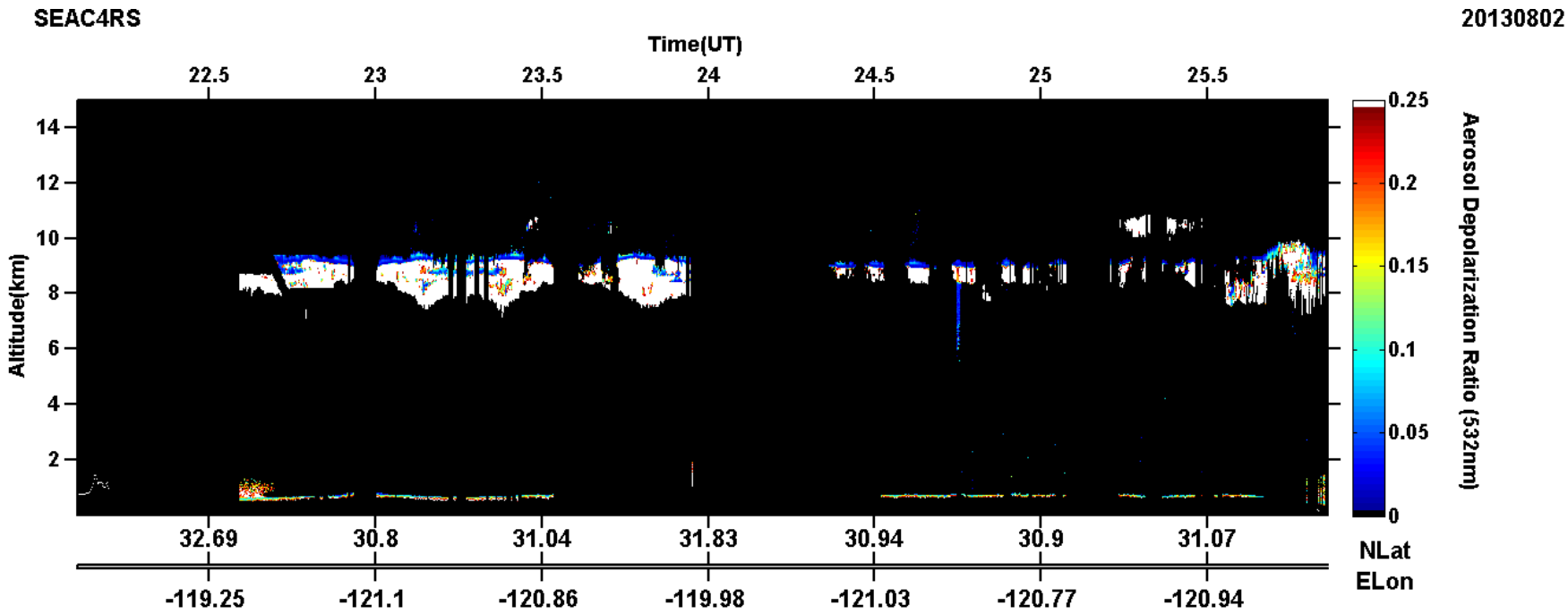
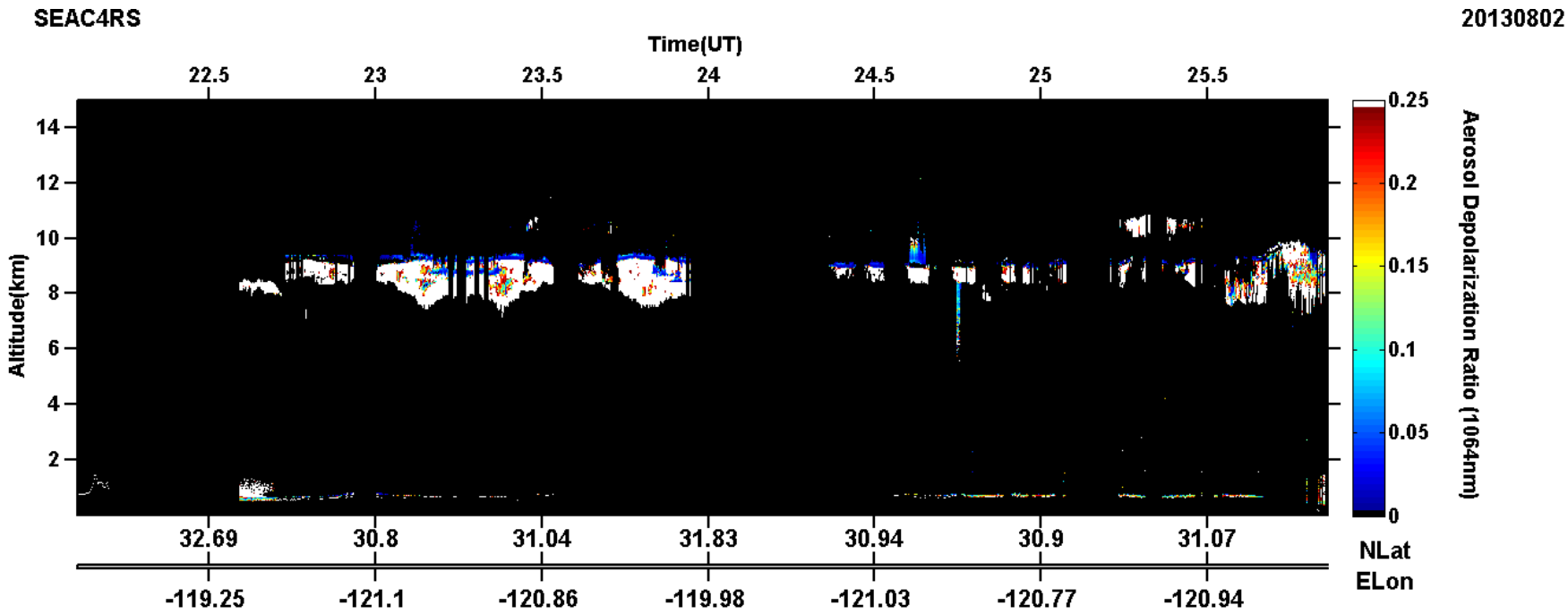
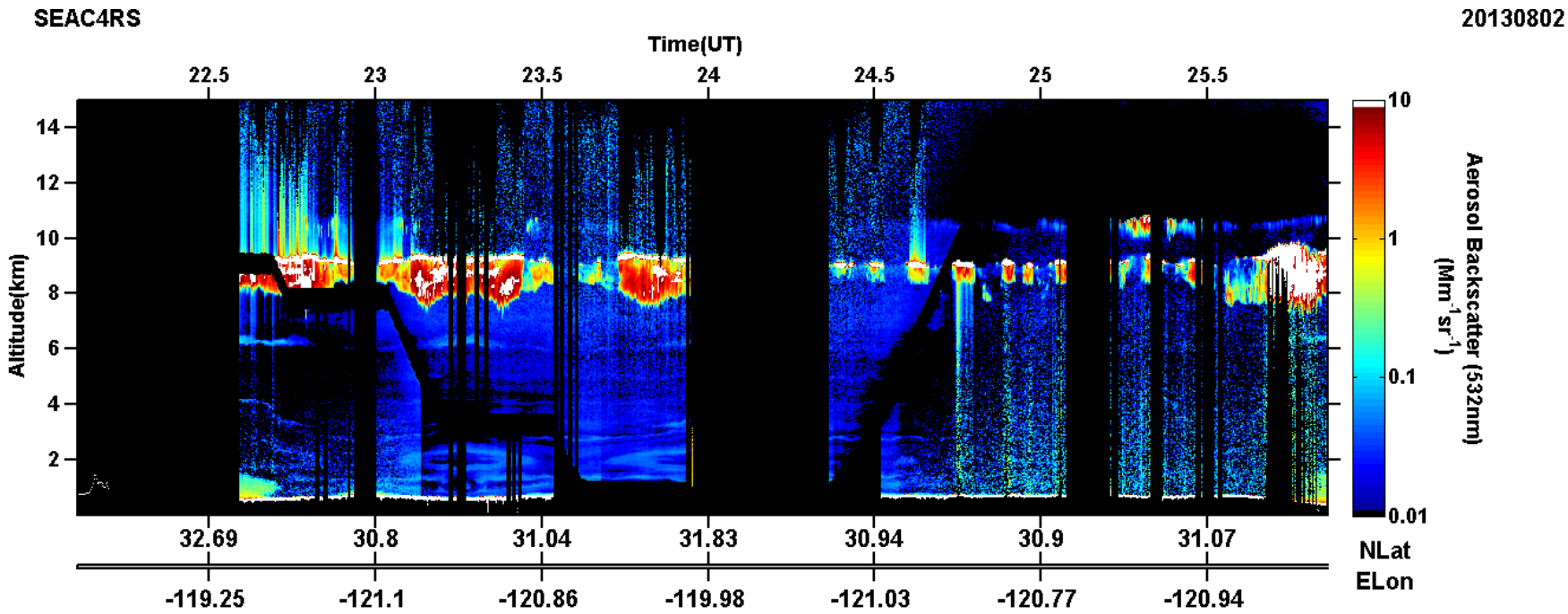
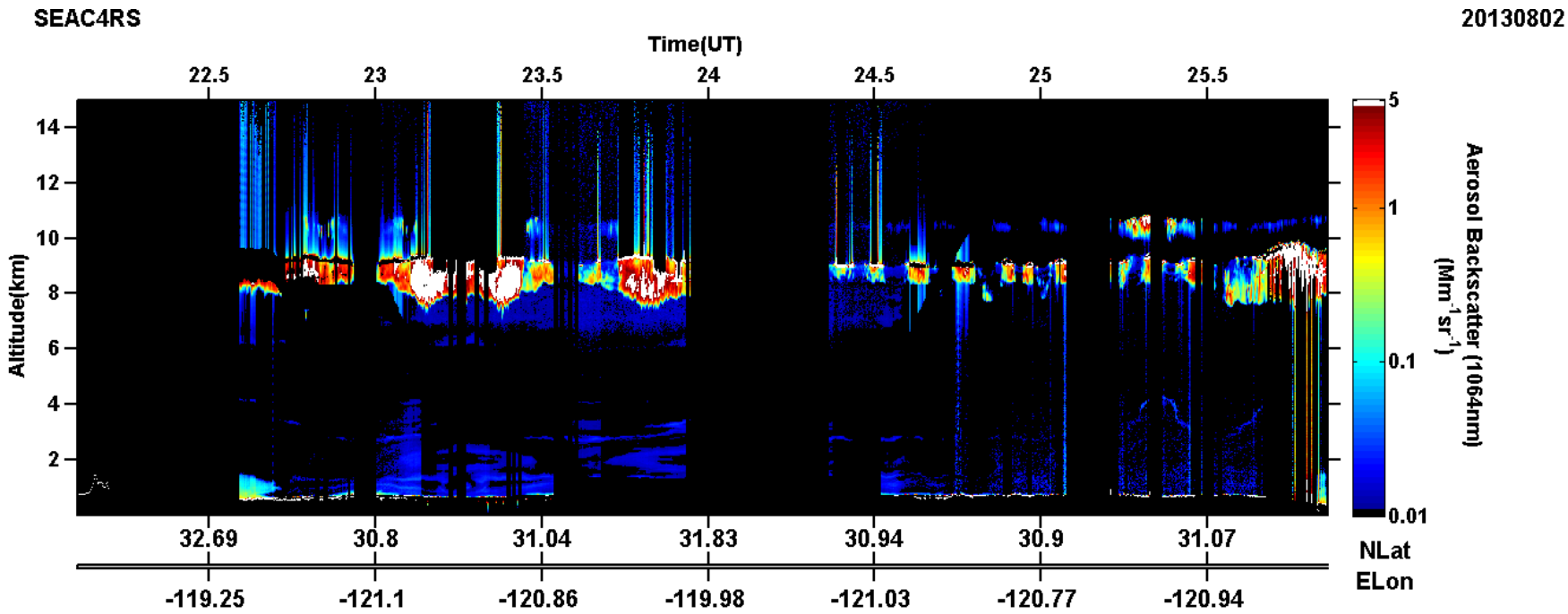
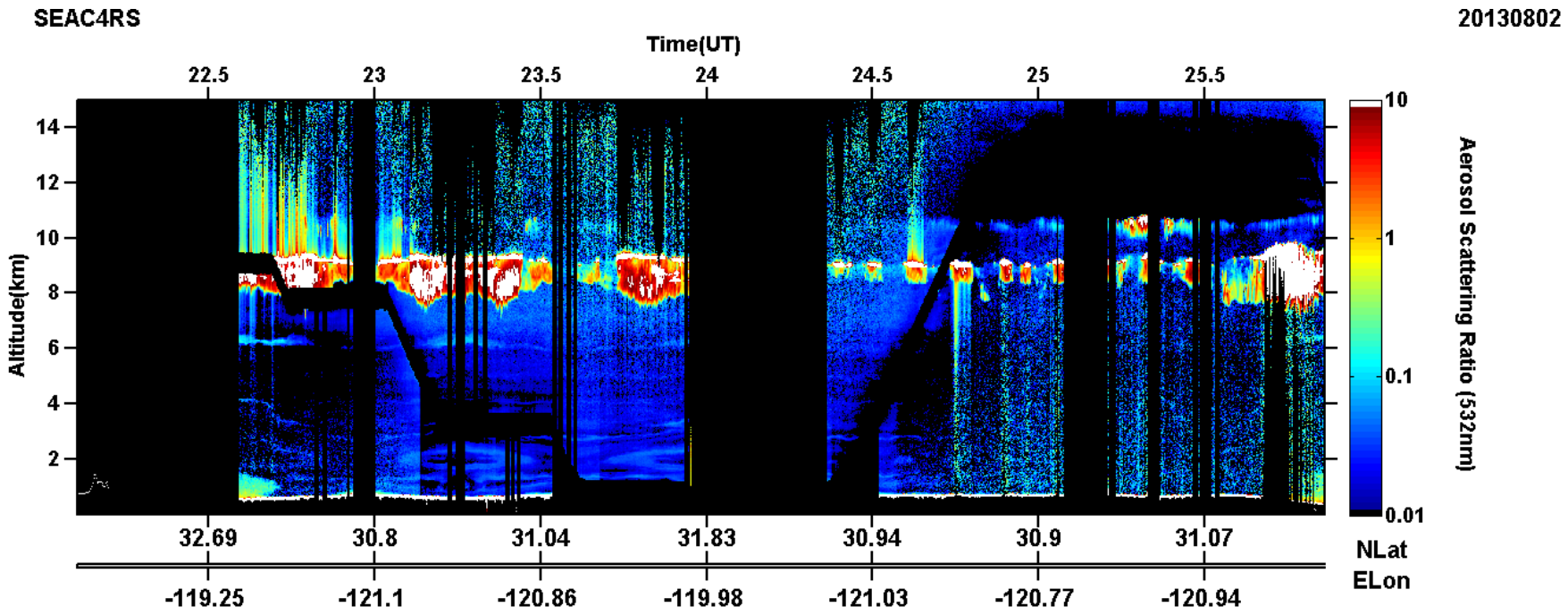
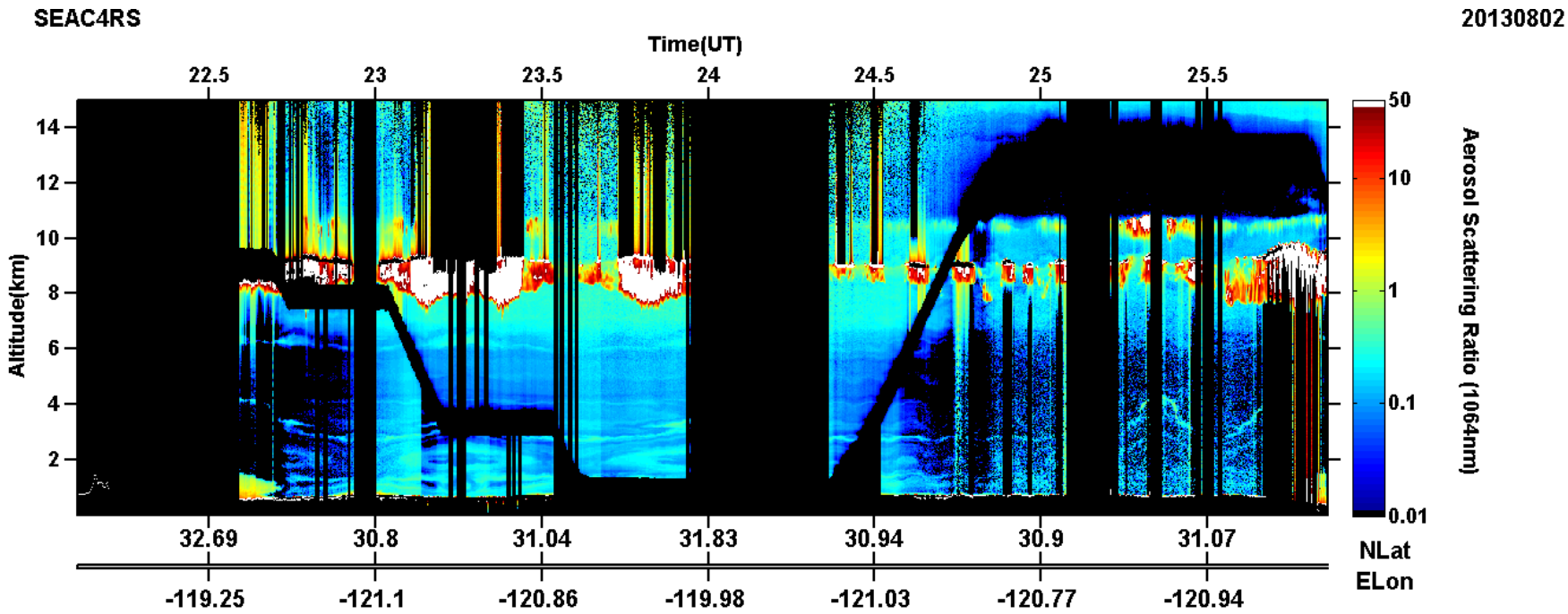

SEAC4RS
20130802
Time(UT)
22.5
23
23.5
24
24.5
25
25.5
Altitude(km)
14
12
10
8
6
4
2
32.69
30.8
31.04
31.83
30.94
30.9
31.07
NLat
-119.25
-121.1
-120.86
-119.98
-121.03
-120.77
-120.94
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (532nm)

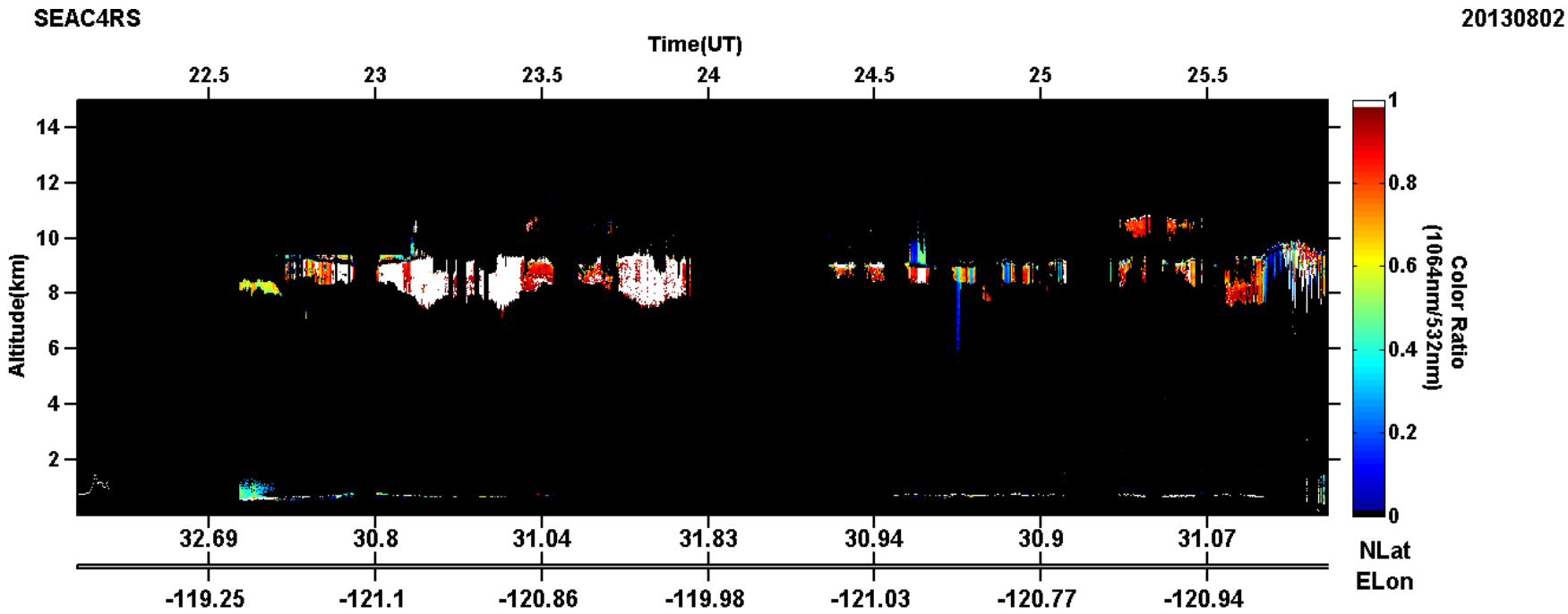

SEAC4RS
20130802
Time(UT)
22.5
23
23.5
24
24.5
25
25.5
Altitude(km)
14
12
10
8
6
4
2
32.69
30.8
31.04
31.83
30.94
30.9
31.07
NLat
-119.25
-121.1
-120.86
-119.98
-121.03
-120.77
-120.94
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (1064nm)

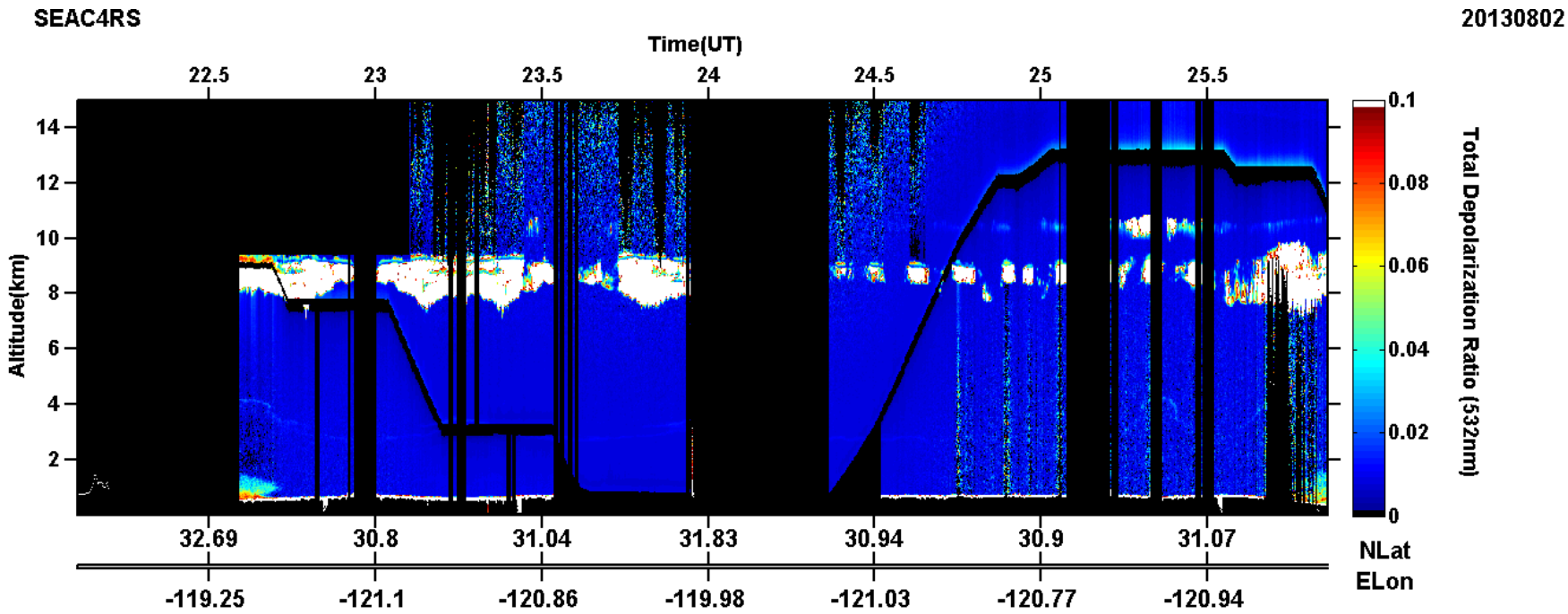

SEAC4RS
20130802
Time(UT)
22.5
23
23.5
24
24.5
25
25.5
Altitude(km)
14
12
10
8
6
4
2
32.69
30.8
31.04
31.83
30.94
30.9
31.07
NLat
-119.25
-121.1
-120.86
-119.98
-121.03
-120.77
-120.94
ELon
10
1
0.1
0.01
Aerosol Backscatter (532nm)
(Mm-1 sr-1)

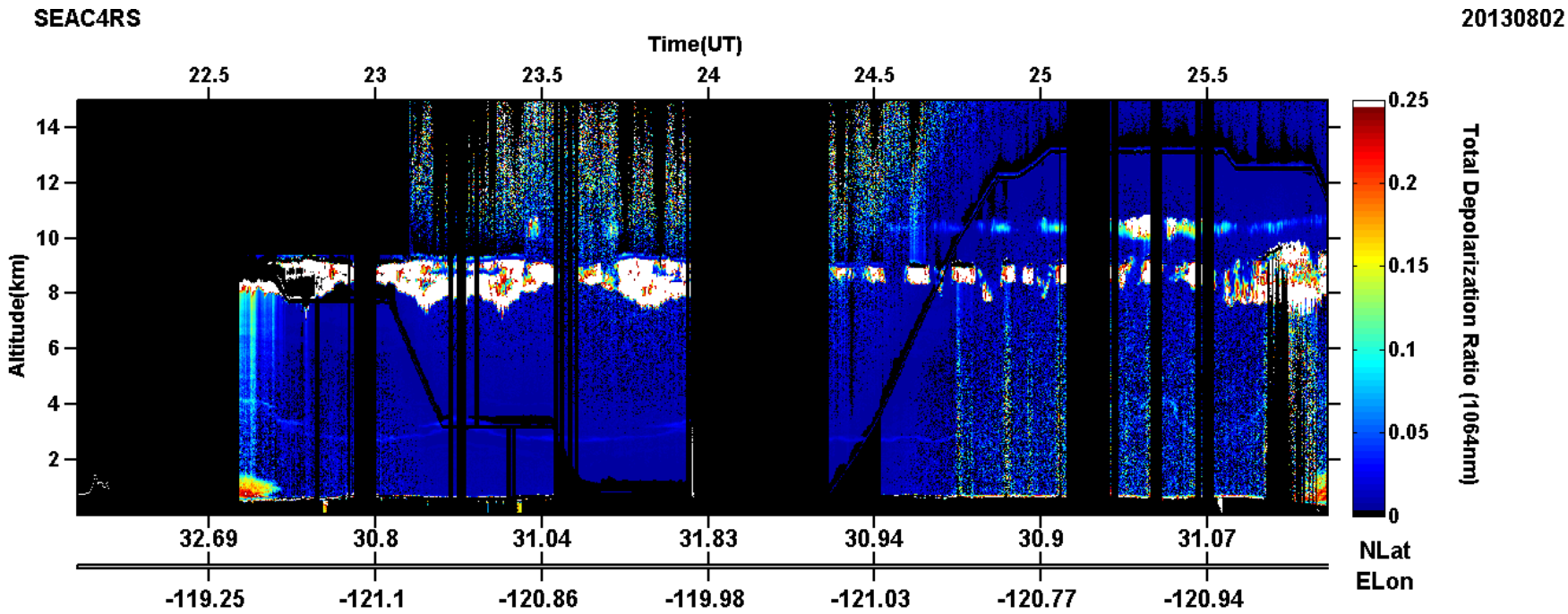

SEAC4RS
20130802
Time(UT)
22.5
23
23.5
24
24.5
25
25.5
Altitude(km)
14
12
10
8
6
4
2
32.69
30.8
31.04
31.83
30.94
30.9
31.07
NLat
-119.25
-121.1
-120.86
-119.98
-121.03
-120.77
-120.94
ELon
5
1
0.1
0.01
Aerosol Backscatter (1064nm)
(Mm-1sr-1)

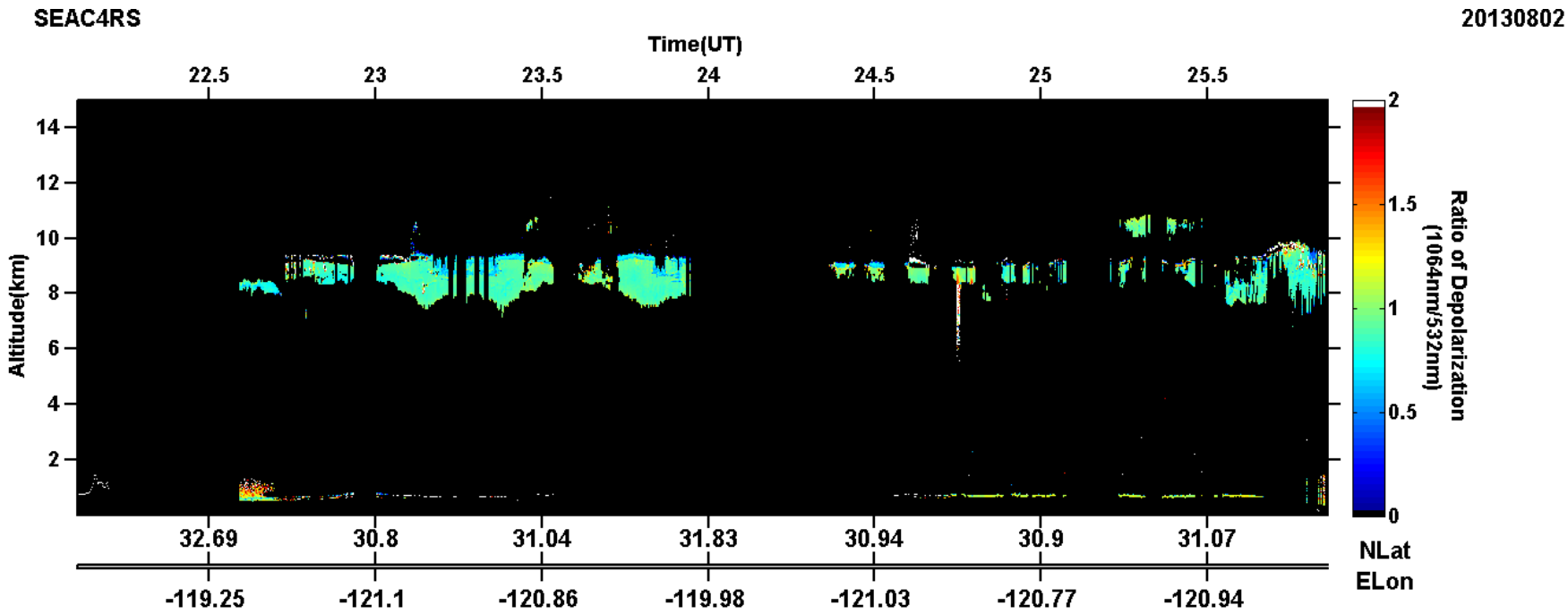

SEAC4RS
20130802
Time(UT)
22.5
23
23.5
24
24.5
25
25.5
Altitude(km)
14
12
10
8
6
4
2
32.69
30.8
31.04
31.83
30.94
30.9
31.07
NLat
-119.25
-121.1
-120.86
-119.98
-121.03
-120.77
-120.94
ELon
10
1
0.1
0.01
Aerosol Scattering Ratio (532nm)

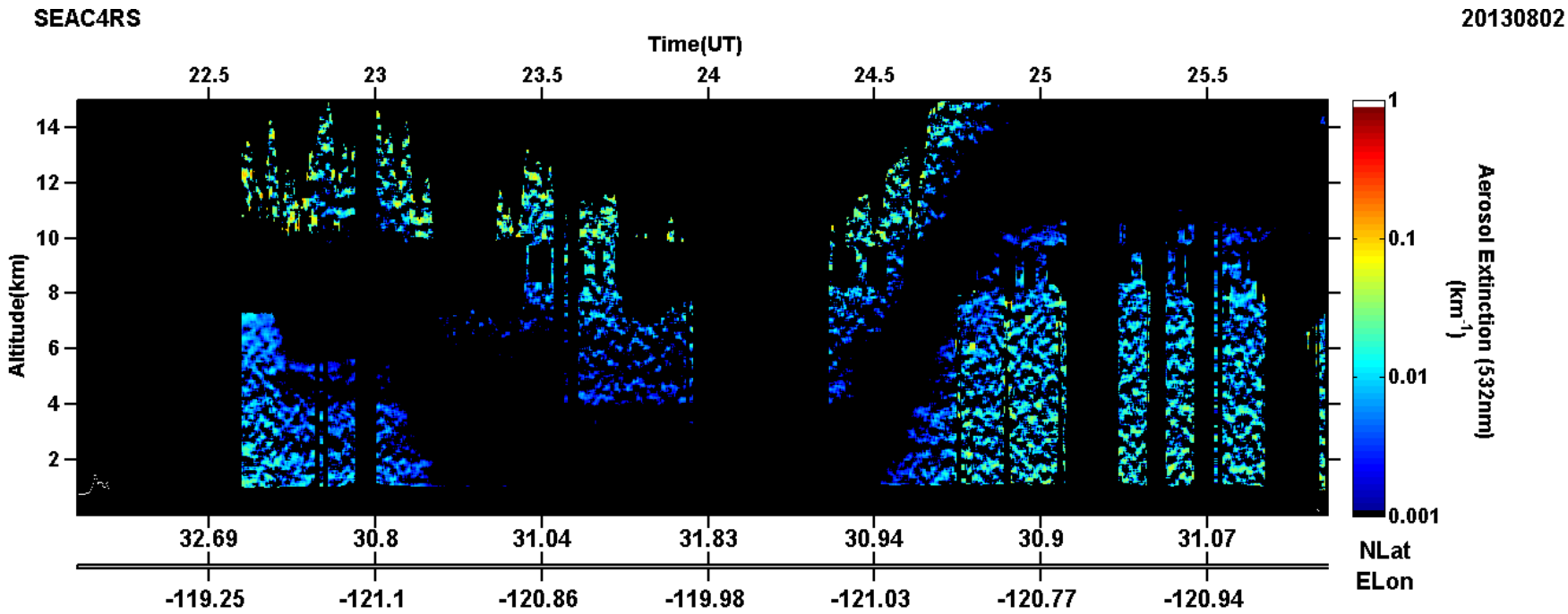

SEAC4RS
20130802
Time(UT)
22.5
23
23.5
24
24.5
25
25.5
Altitude(km)
14
12
10
8
6
4
2
32.69
30.8
31.04
31.83
30.94
30.9
31.07
NLat
-119.25
-121.1
-120.86
-119.98
-121.03
-120.77
-120.94
ELon
50
10
1
0.1
0.01
Aerosol Scattering Ratio (1064nm)

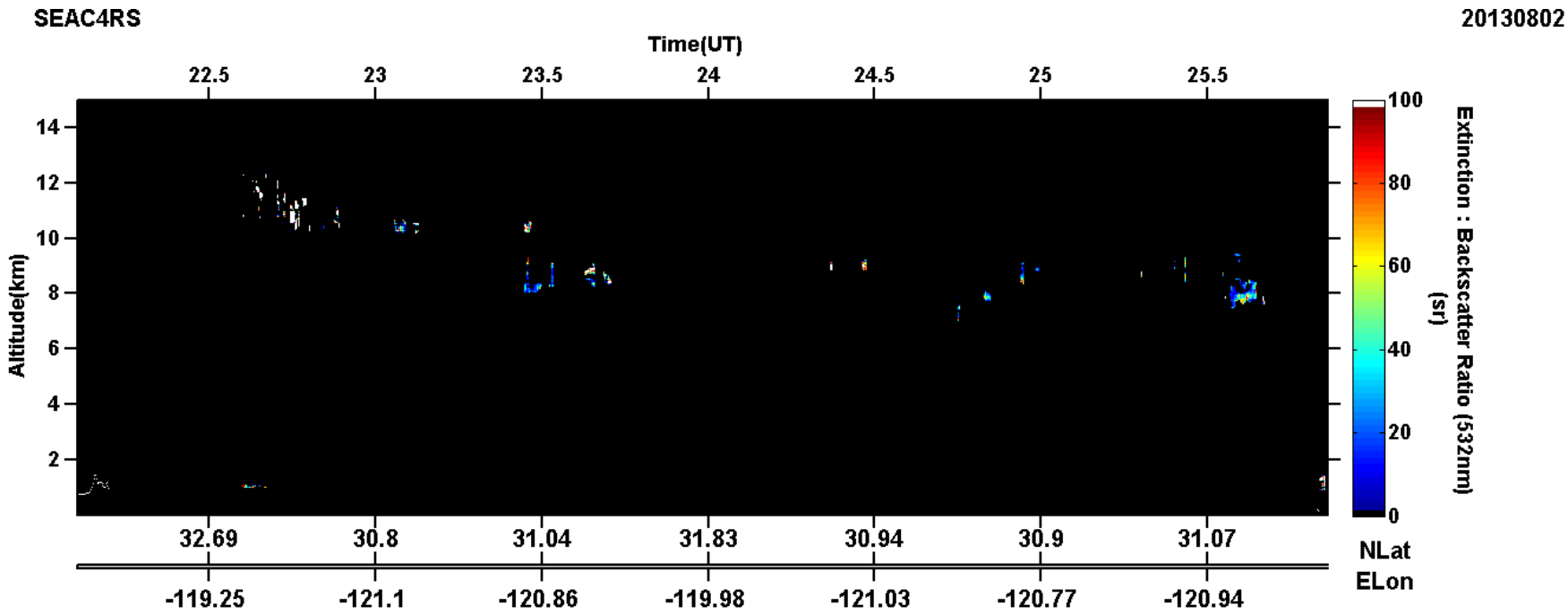

SEAC4RS
20130802
Time(UT)
22.5
23
23.5
24
24.5
25
25.5
Altitude(km)
14
12
10
8
6
4
2
32.69
30.8
31.04
31.83
30.94
30.9
31.07
-119.25
-121.1
-120.86
-119.98
-121.03
-120.77
-120.94
NLat
ELon
Color Ratio
(1064nm/532nm)
1
0.8
0.6
0.4
0.2
0

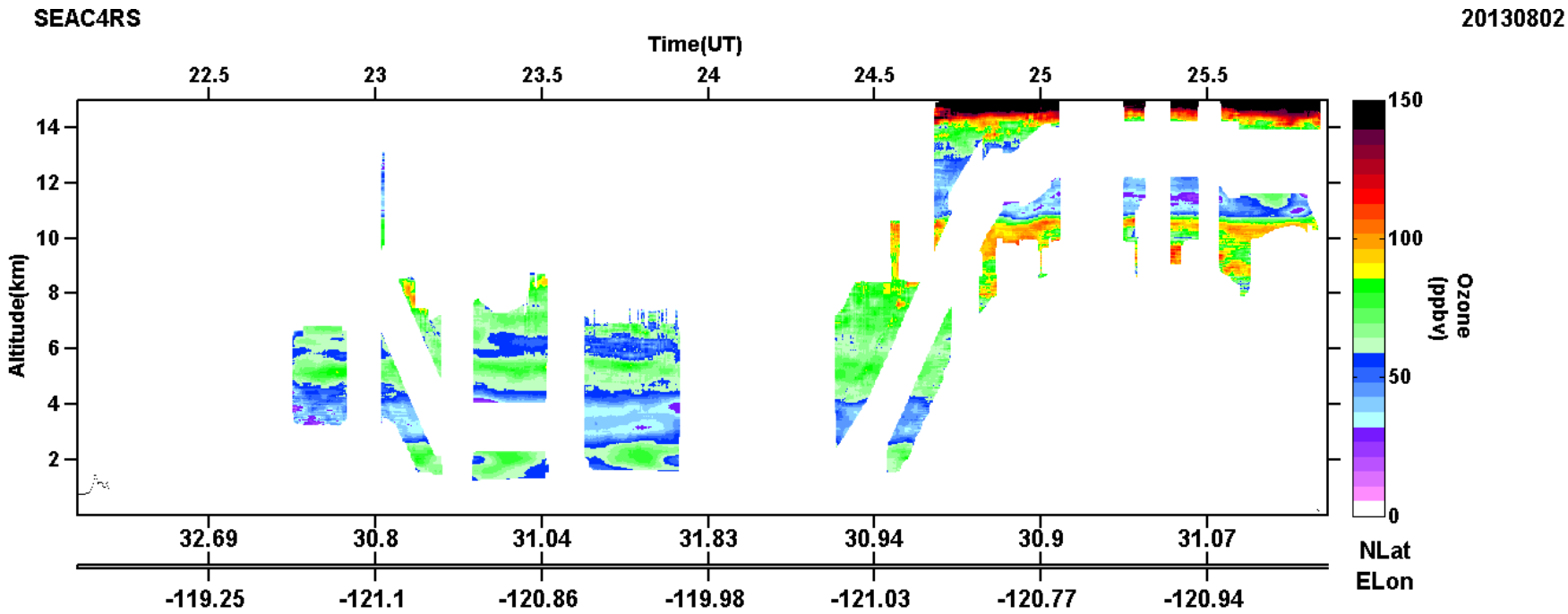

SEAC4RS
20130802
Time(UT)
22.5
23
23.5
24
24.5
25
25.5
Altitude(km)
14
12
10
8
6
4
2
32.69
30.8
31.04
31.83
30.94
30.9
31.07
NLat
-119.25
-121.1
-120.86
-119.98
-121.03
-120.77
-120.94
ELon
0.1
0.08
0.06
0.04
0.02
0
Total Depolarization Ratio (532nm)

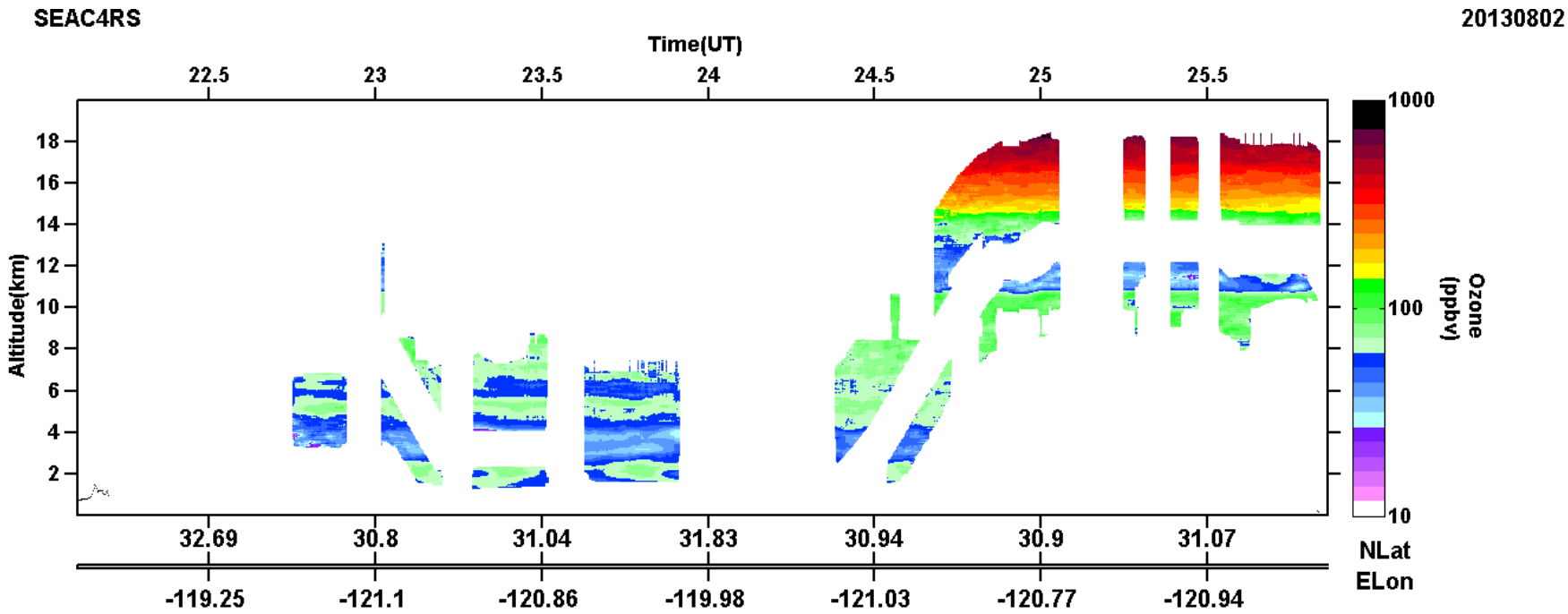

SEAC4RS
20130802
Time(UT)
22.5
23
23.5
24
24.5
25
25.5
Altitude(km)
14
12
10
8
6
4
2
32.69
30.8
31.04
31.83
30.94
30.9
31.07
-119.25
-121.1
-120.86
-119.98
-121.03
-120.77
-120.94
NLat
ELon
Total Depolarization Ratio (1064nm)
0.25
0.2
0.15
0.1
0.05
0


SEAC4RS
20130802
Time(UT)
22.5
23
23.5
24
24.5
25
25.5
Altitude(km)
14
12
10
8
6
4
2
32.69
30.8
31.04
31.83
30.94
30.9
31.07
-119.25
-121.1
-120.86
-119.98
-121.03
-120.77
-120.94
NLat
ELon
Ratio of Depolarization
(1064nm/532nm)
2
1.5
1
0.5
0


SEAC4RS
20130802
Time(UT)
22.5
23
23.5
24
24.5
25
25.5
Altitude(km)
14
12
10
8
6
4
2
32.69
30.8
31.04
31.83
30.94
30.9
31.07
-119.25
-121.1
-120.86
-119.98
-121.03
-120.77
-120.94
NLat
ELon
1
0.1
0.01
0.001
Aerosol Extinction (532nm)
(km$^{-1}$)


SEAC4RS
20130802
Time(UT)
22.5
23
23.5
24
24.5
25
25.5
Altitude(km)
14
12
10
8
6
4
2
32.69
30.8
31.04
31.83
30.94
30.9
31.07
-119.25
-121.1
-120.86
-119.98
-121.03
-120.77
-120.94
NLat
ELon
Extinction : Backscatter Ratio (532nm)
(sr)
100
80
60
40
20
0


SEAC4RS
20130802
Time(UT)
22.5
23
23.5
24
24.5
25
25.5
Altitude(km)
14
12
10
8
6
4
2
32.69
30.8
31.04
31.83
30.94
30.9
31.07
NLat
-119.25
-121.1
-120.86
-119.98
-121.03
-120.77
-120.94
ELon
150
100
50
0
Ozone (ppbv)


SEAC4RS
20130802
Time(UT)
22.5
23
23.5
24
24.5
25
25.5
Altitude(km)
18
16
14
12
10
8
6
4
2
32.69
30.8
31.04
31.83
30.94
30.9
31.07
-119.25
-121.1
-120.86
-119.98
-121.03
-120.77
-120.94
NLat
ELon
1000
100
10
Ozone (ppbv)