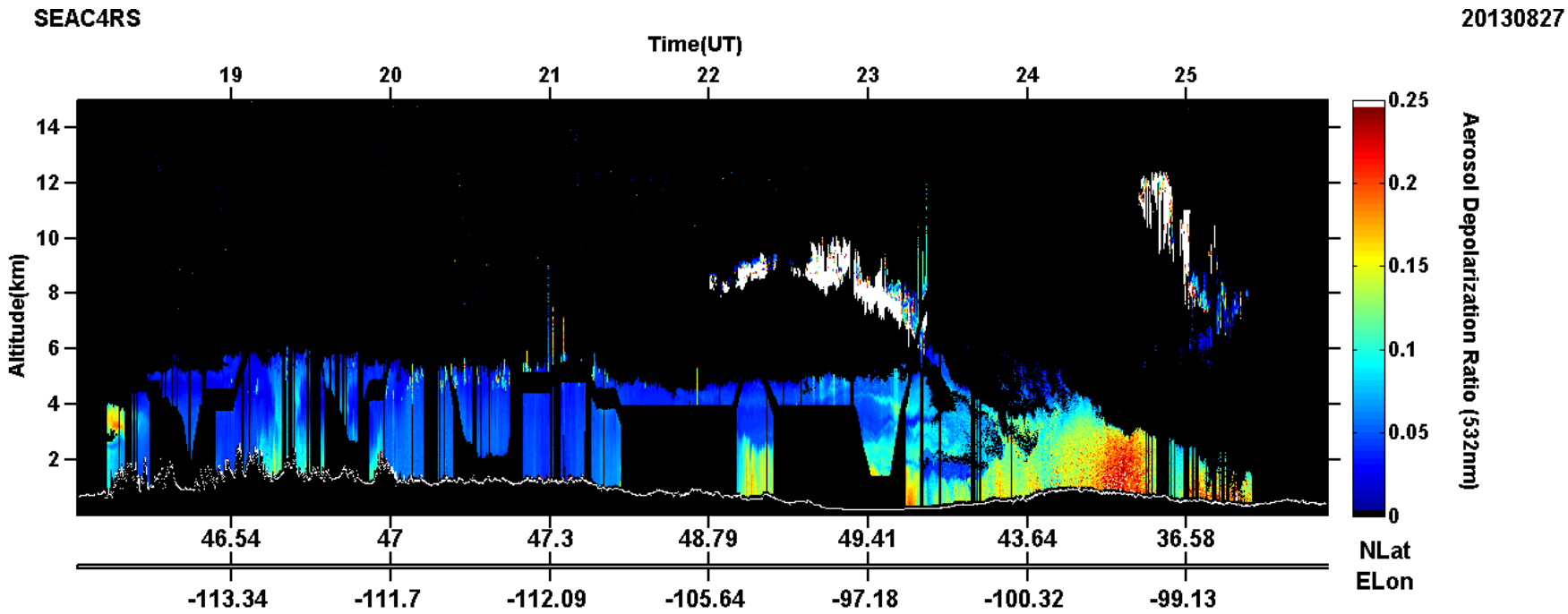
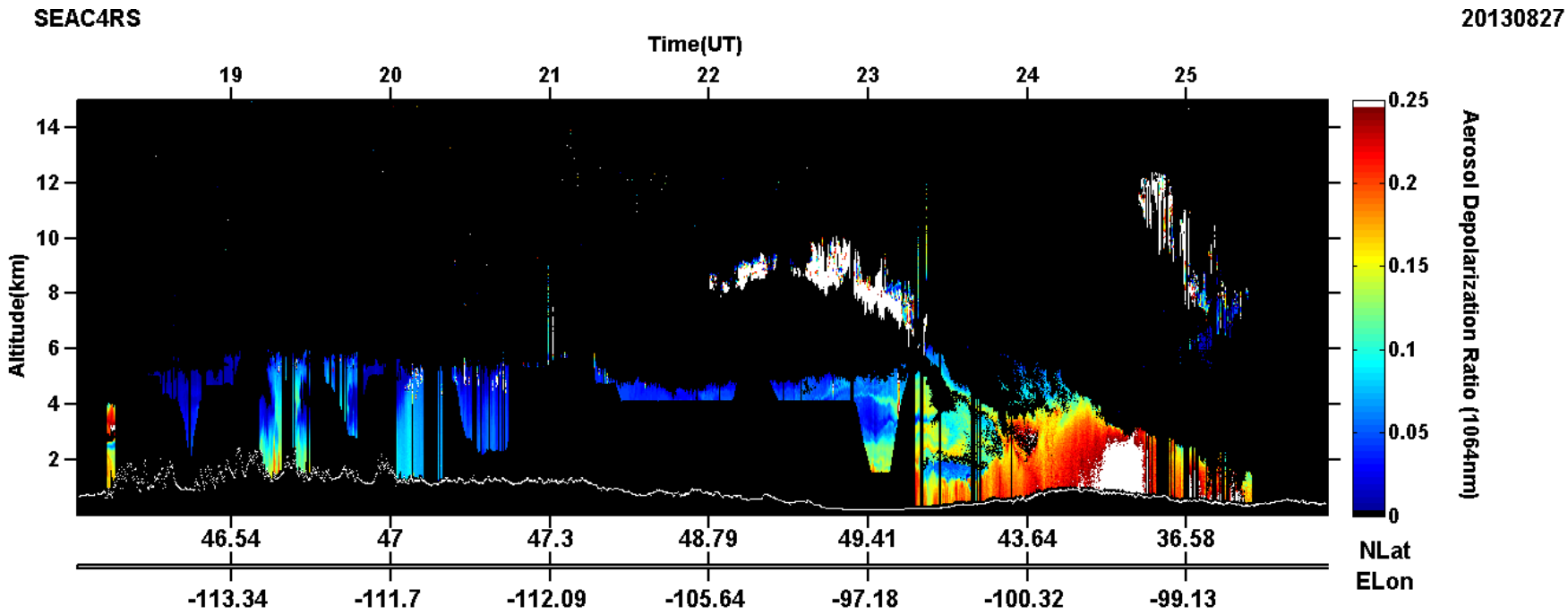
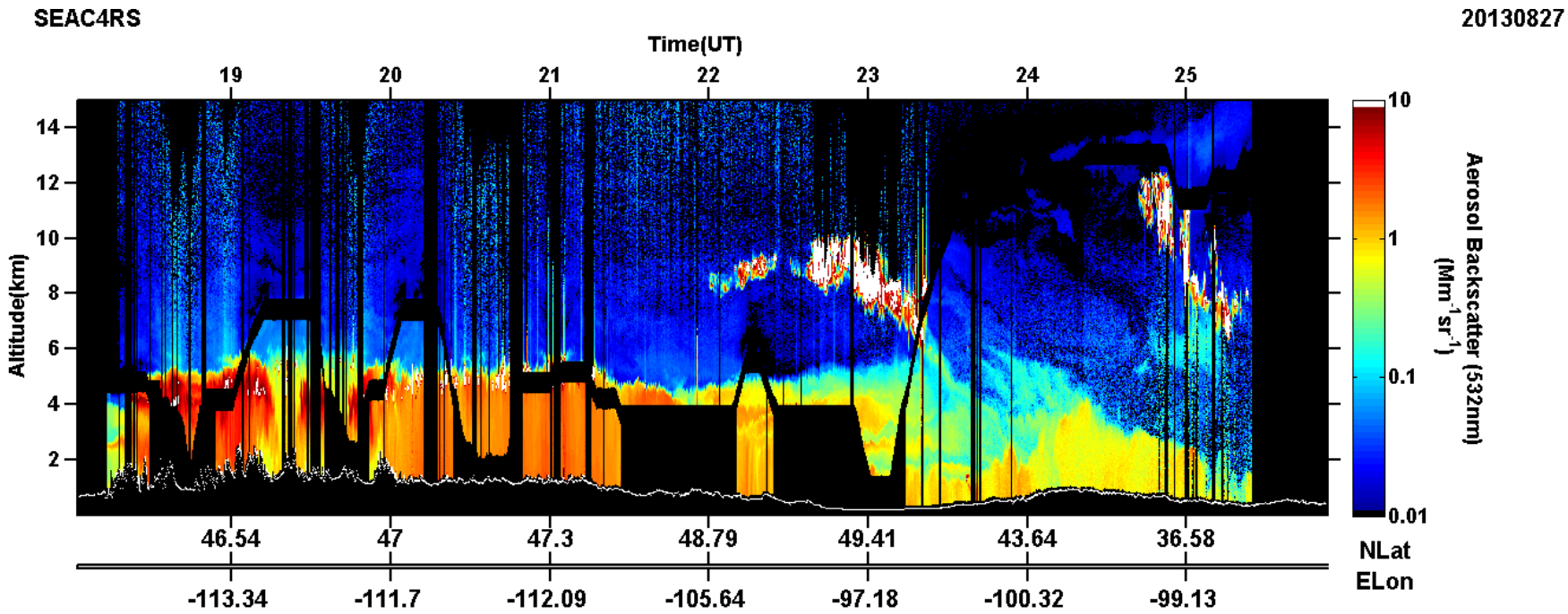
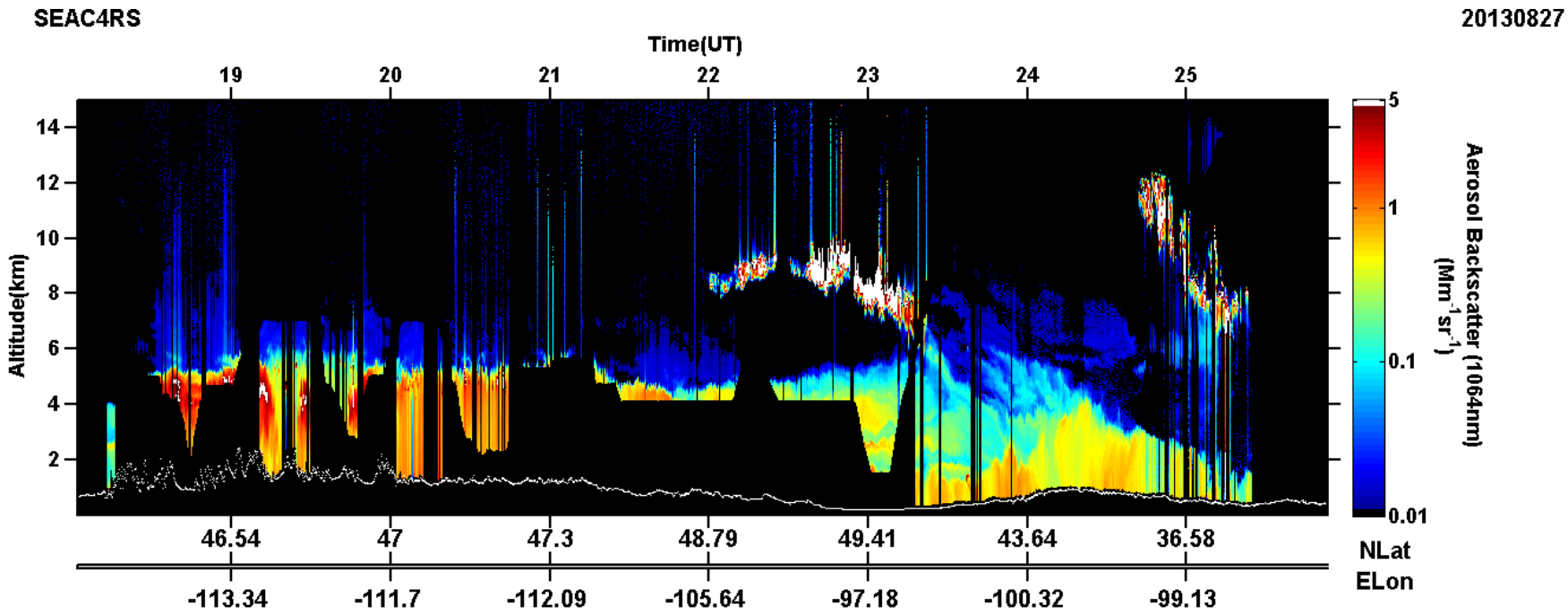
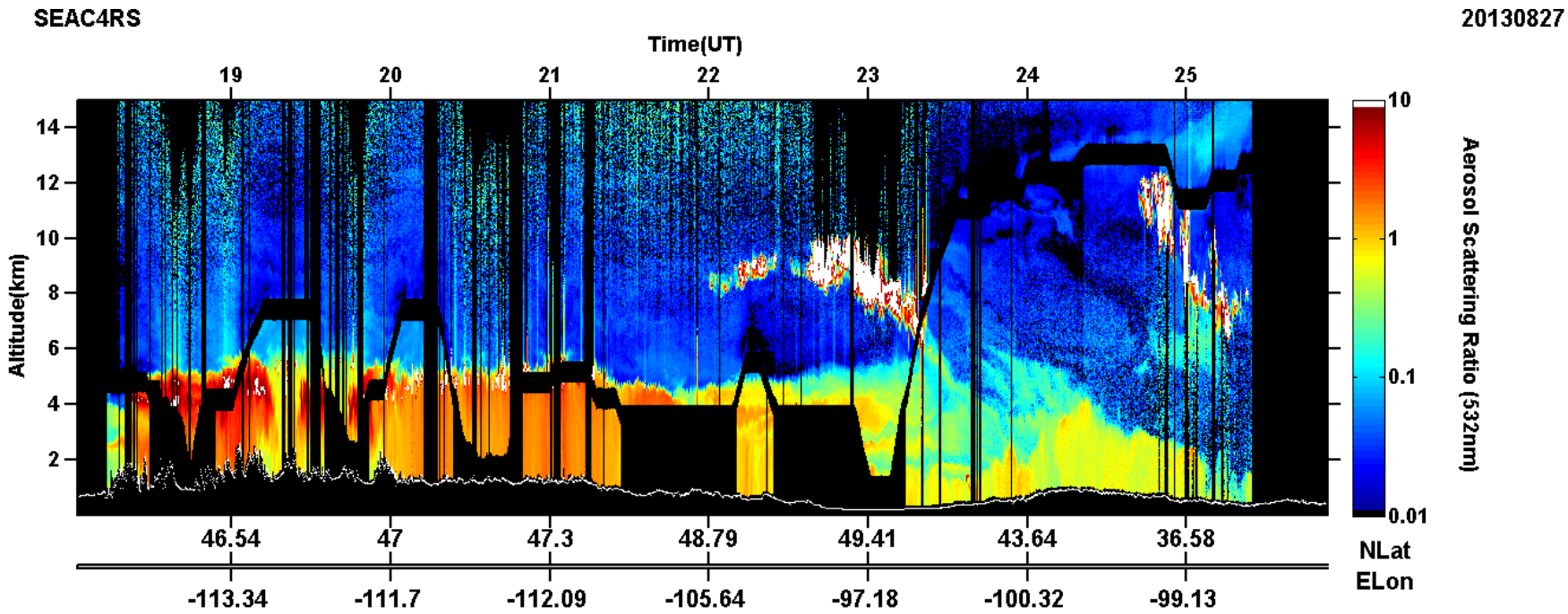

SEAC4RS
20130827
Time(UT)
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (532nm)
46.54
47
47.3
48.79
49.41
43.64
36.58
NLat
-113.34
-111.7
-112.09
-105.64
-97.18
-100.32
-99.13
ELon


SEAC4RS
20130827
Time(UT)
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
46.54
47
47.3
48.79
49.41
43.64
36.58
NLat
-113.34
-111.7
-112.09
-105.64
-97.18
-100.32
-99.13
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (1064nm)


SEAC4RS
20130827
Time(UT)
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
46.54
47
47.3
48.79
49.41
43.64
36.58
NLat
-113.34
-111.7
-112.09
-105.64
-97.18
-100.32
-99.13
ELon
10
1
0.1
0.01
Aerosol Backscatter (532nm)
(Mm-1sr-1)


SEAC4RS
20130827
Time(UT)
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
46.54
47
47.3
48.79
49.41
43.64
36.58
NLat
-113.34
-111.7
-112.09
-105.64
-97.18
-100.32
-99.13
ELon
5
1
0.1
0.01
Aerosol Backscatter (1064nm)
(Mm-1 sr-1)


SEAC4RS
20130827
Time(UT)
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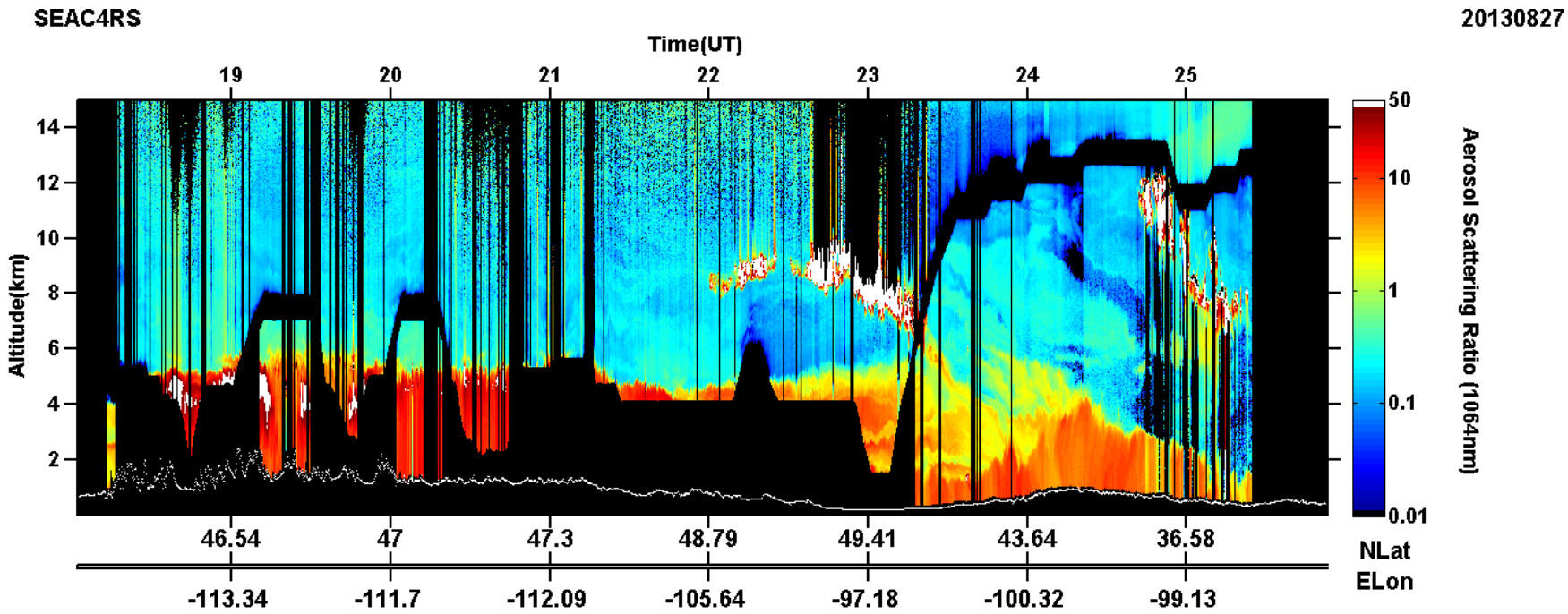
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
46.54
47
47.3
48.79
49.41
43.64
36.58
NLat
-113.34
-111.7
-112.09
-105.64
-97.18
-100.32
-99.13
ELon
10
1
0.1
0.01
Aerosol Scattering Ratio (532nm)


SEAC4RS
20130827
Time(UT)
19
20
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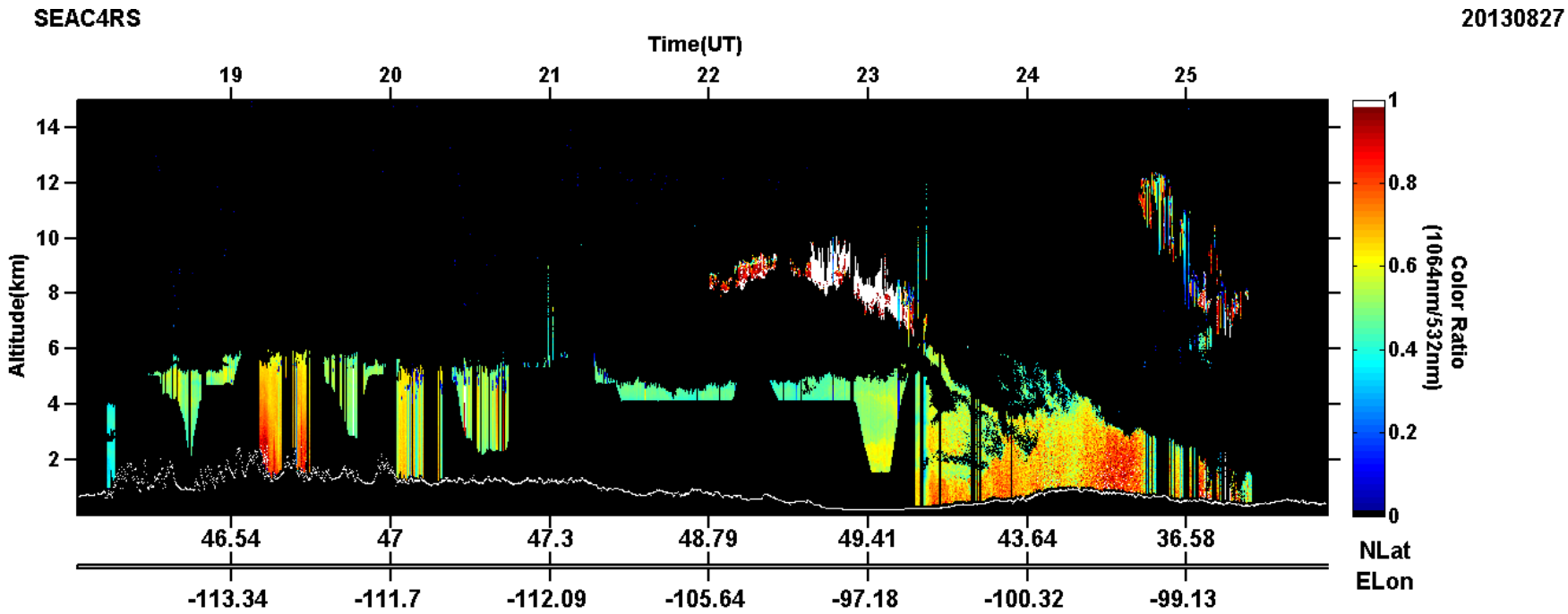
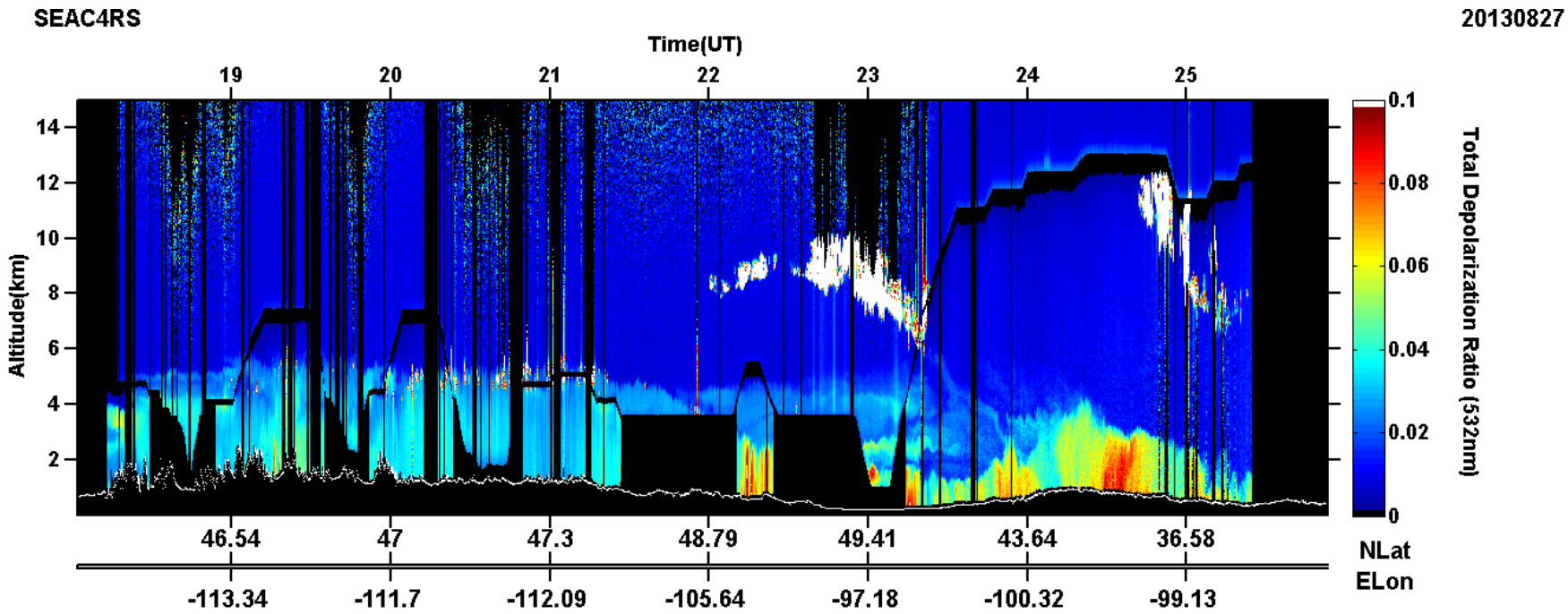
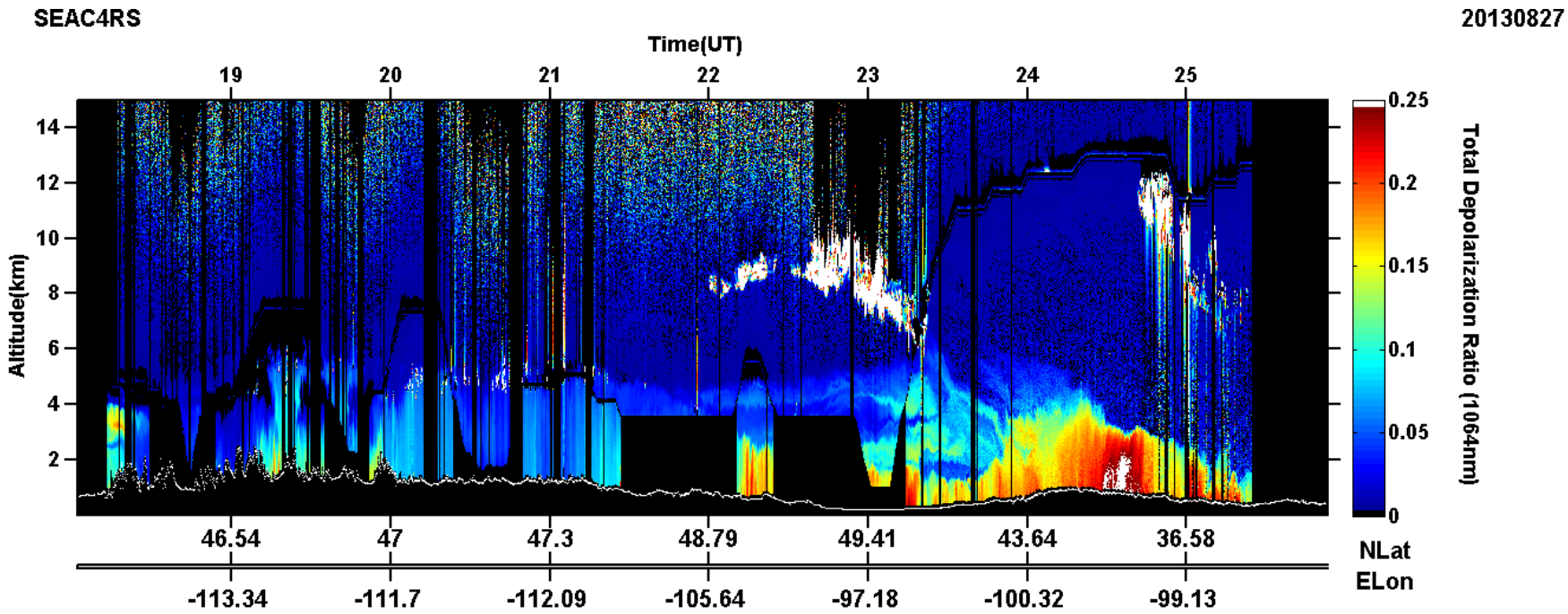
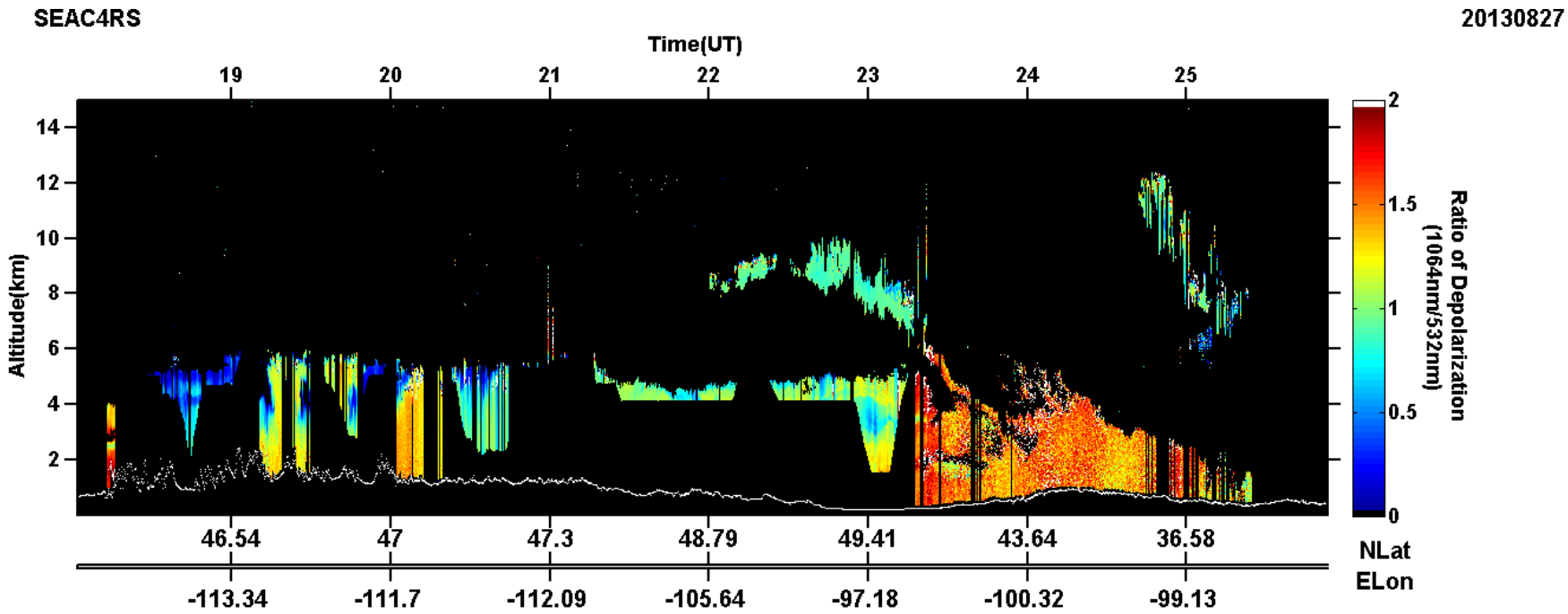
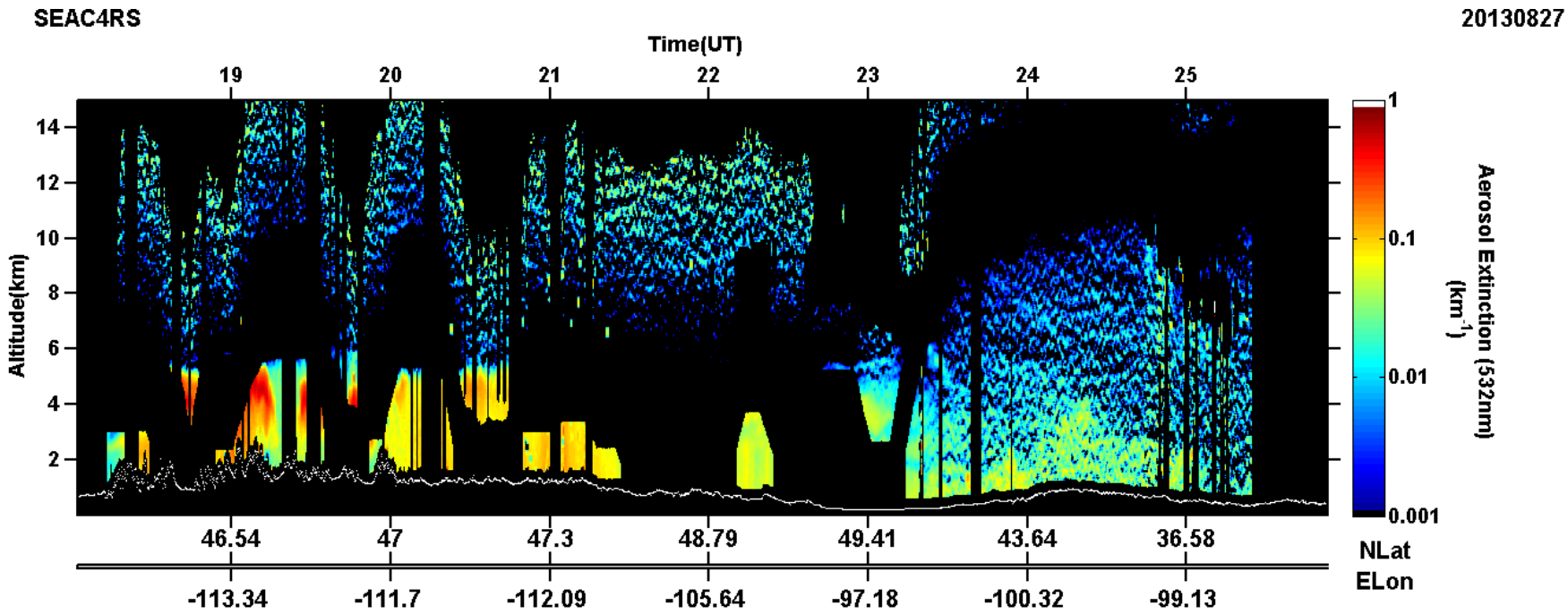
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
46.54
47
47.3
48.79
49.41
43.64
36.58
NLat
-113.34
-111.7
-112.09
-105.64
-97.18
-100.32
-99.13
ELon
50
10
1
0.1
0.01
Aerosol Scattering Ratio (1064nm)

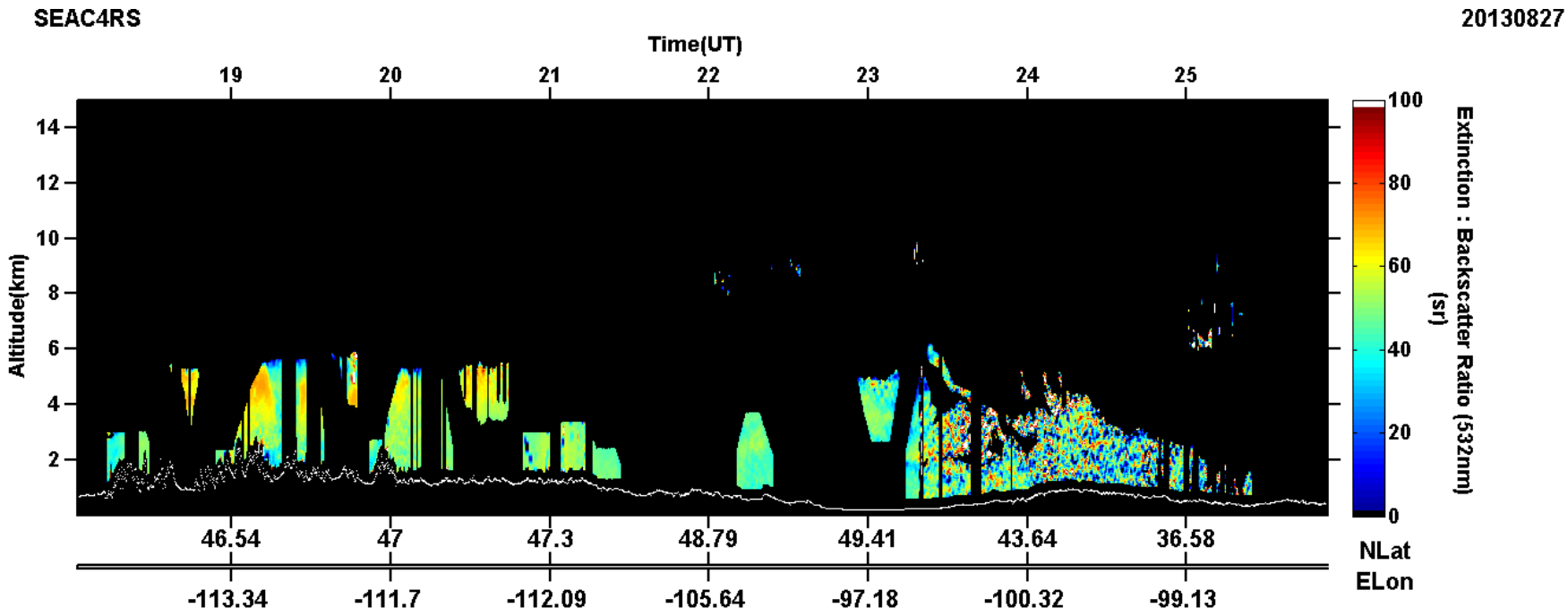

SEAC4RS
20130827
Time(UT)
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
46.54
47
47.3
48.79
49.41
43.64
36.58
NLat
-113.34
-111.7
-112.09
-105.64
-97.18
-100.32
-99.13
ELon
Color Ratio
(1064nm/532nm)
1
0.8
0.6
0.4
0.2
0

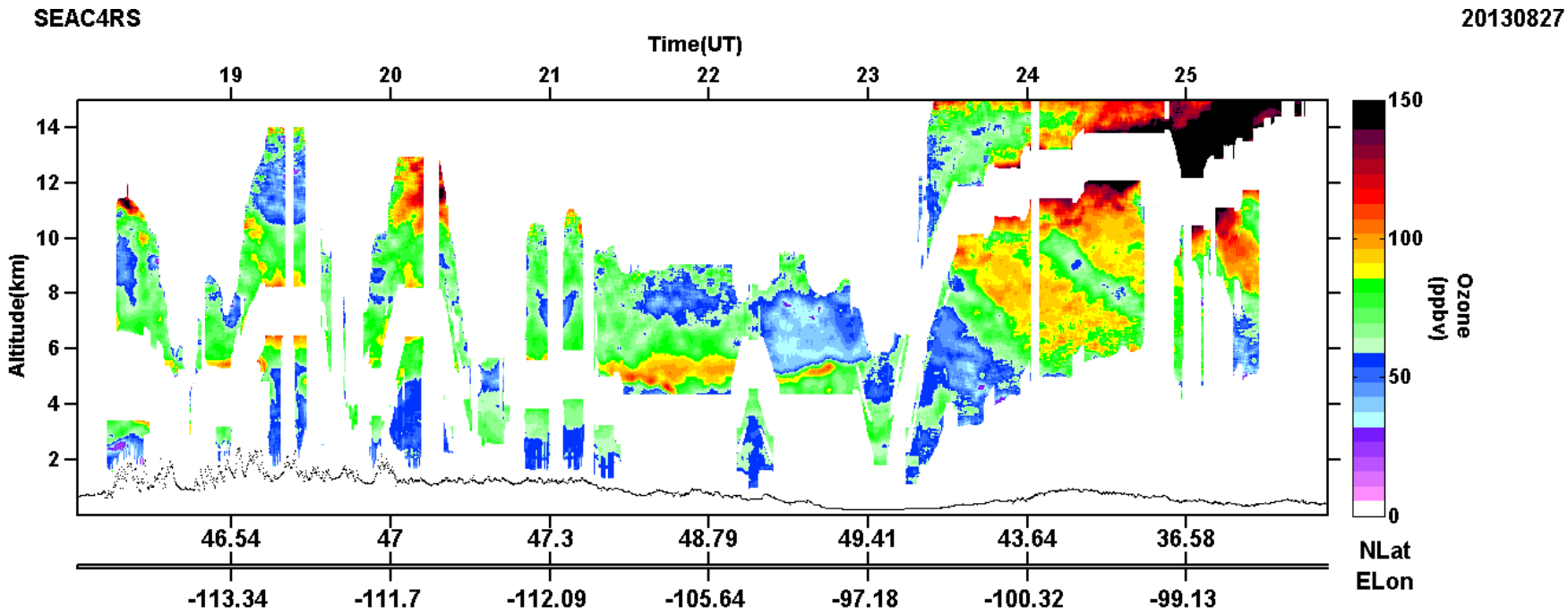

SEAC4RS
20130827
Time(UT)
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
46.54
47
47.3
48.79
49.41
43.64
36.58
NLat
-113.34
-111.7
-112.09
-105.64
-97.18
-100.32
-99.13
ELon
0.1
0.08
0.06
0.04
0.02
0
Total Depolarization Ratio (532nm)

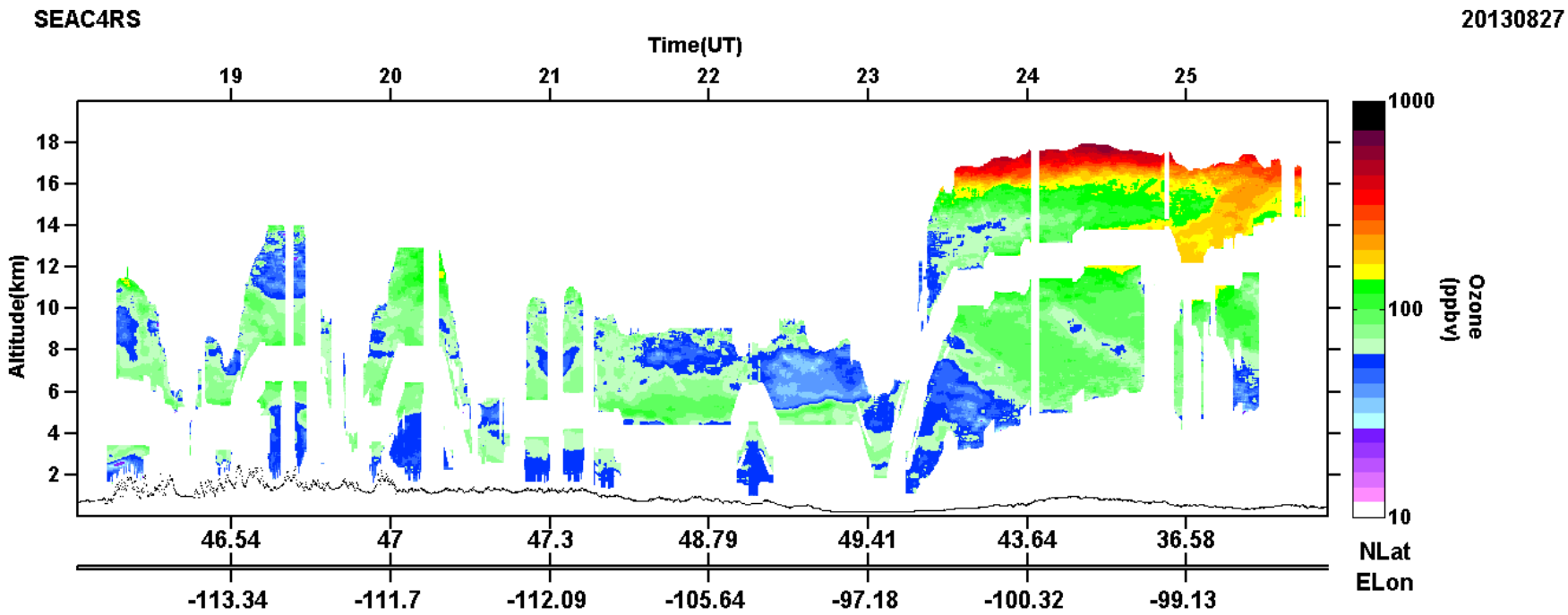

SEAC4RS
20130827
Time(UT)
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
46.54
47
47.3
48.79
49.41
43.64
36.58
NLat
-113.34
-111.7
-112.09
-105.64
-97.18
-100.32
-99.13
ELon
0.25
0.2
0.15
0.1
0.05
0
Total Depolarization Ratio (1064nm)


SEAC4RS
20130827
Time(UT)
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
46.54
47
47.3
48.79
49.41
43.64
36.58
-113.34
-111.7
-112.09
-105.64
-97.18
-100.32
-99.13
NLat
ELon
Ratio of Depolarization
(1064nm/532nm)
2
1.5
1
0.5
0


SEAC4RS
20130827
Time(UT)
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
46.54
47
47.3
48.79
49.41
43.64
36.58
NLat
-113.34
-111.7
-112.09
-105.64
-97.18
-100.32
-99.13
ELon
1
0.1
0.01
0.001
Aerosol Extinction (532nm)
(km^{-1})


SEAC4RS
20130827
Time(UT)
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
46.54
47
47.3
48.79
49.41
43.64
36.58
NLat
-113.34
-111.7
-112.09
-105.64
-97.18
-100.32
-99.13
ELon
100
80
60
40
20
0
Extinction : Backscatter Ratio (532nm)
(sr)


SEAC4RS
20130827
Time(UT)
19
20
21
22
23
24
25
Altitude(km)
14
12
10
8
6
4
2
46.54
47
47.3
48.79
49.41
43.64
36.58
NLat
-113.34
-111.7
-112.09
-105.64
-97.18
-100.32
-99.13
ELon
150
100
50
0
Ozone
(ppbv)


SEAC4RS
20130827
Time(UT)
19
20
21
22
23
24
25
Altitude(km)
18
16
14
12
10
8
6
4
2
46.54
47
47.3
48.79
49.41
43.64
36.58
NLat
-113.34
-111.7
-112.09
-105.64
-97.18
-100.32
-99.13
ELon
1000
100
10
Ozone (ppbv)