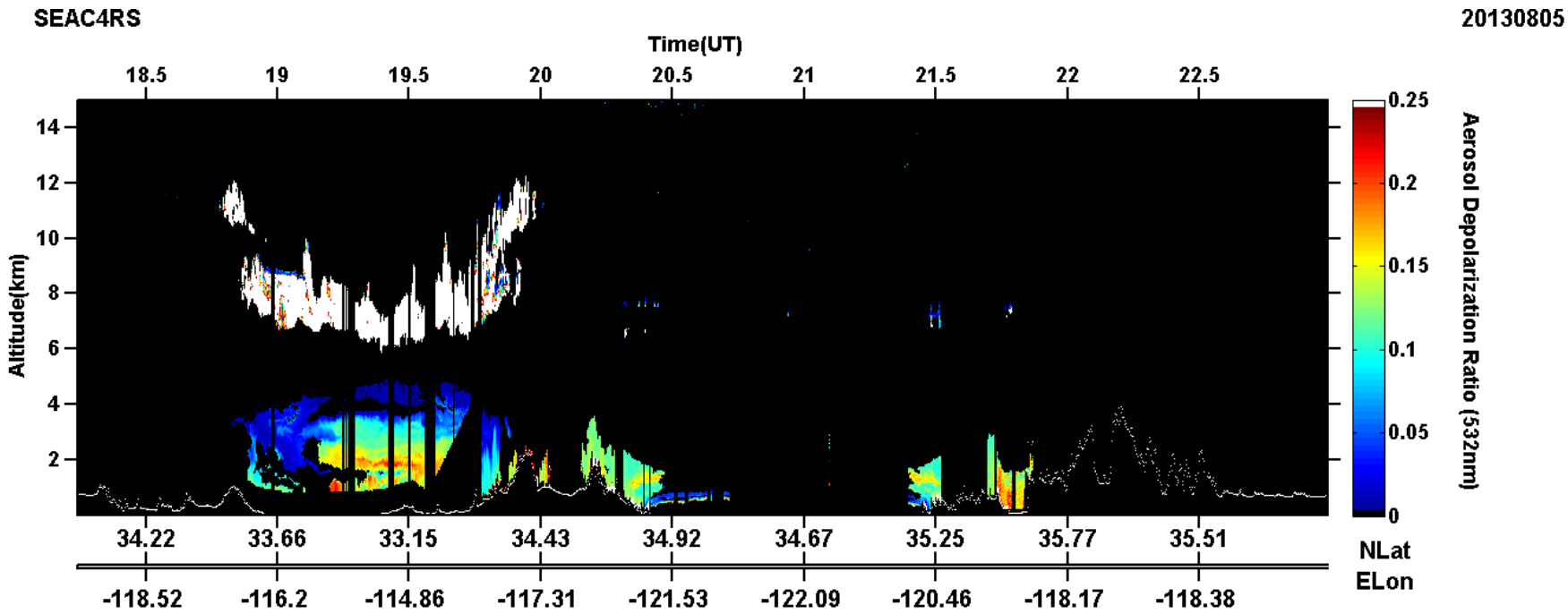
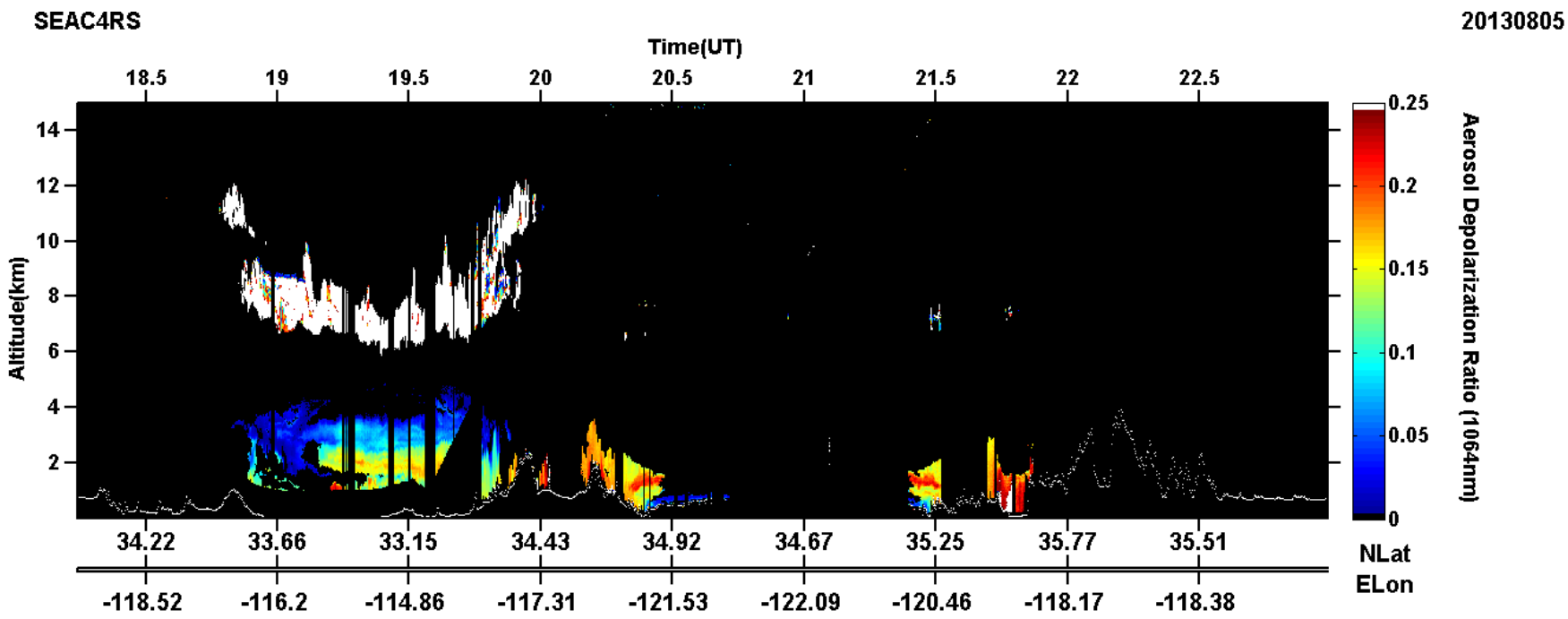
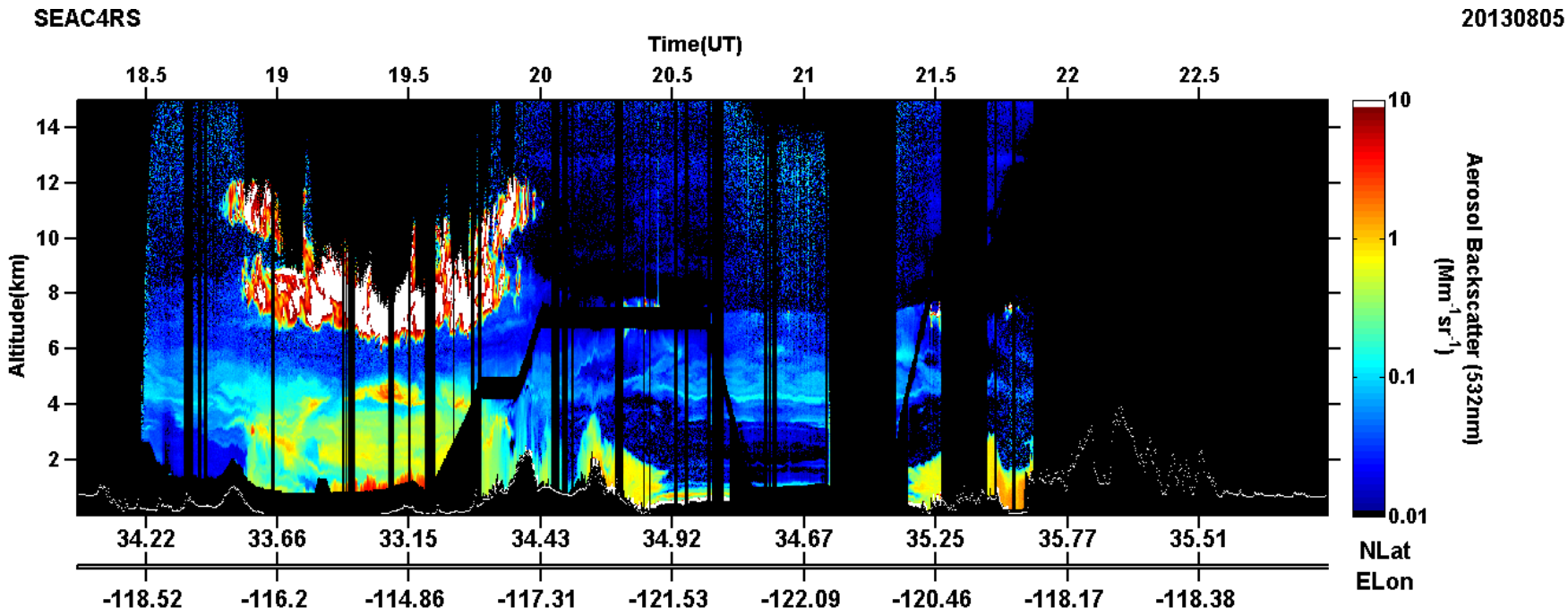
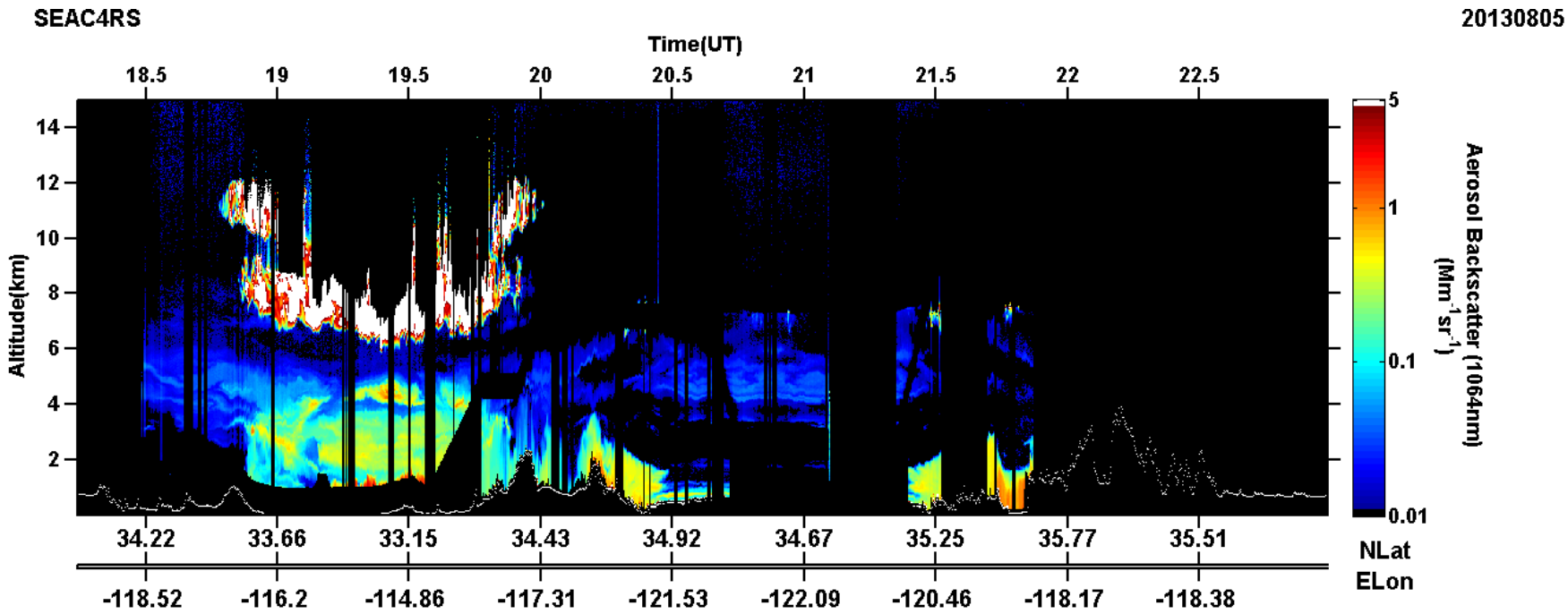
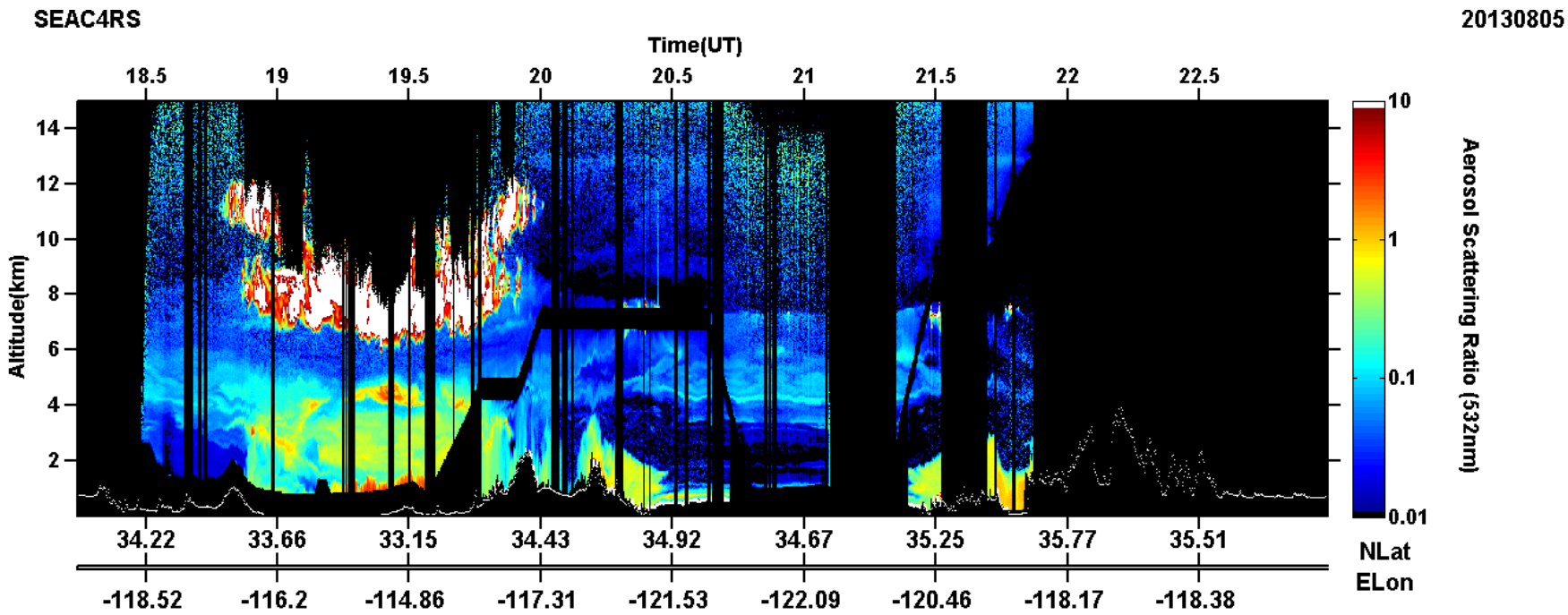
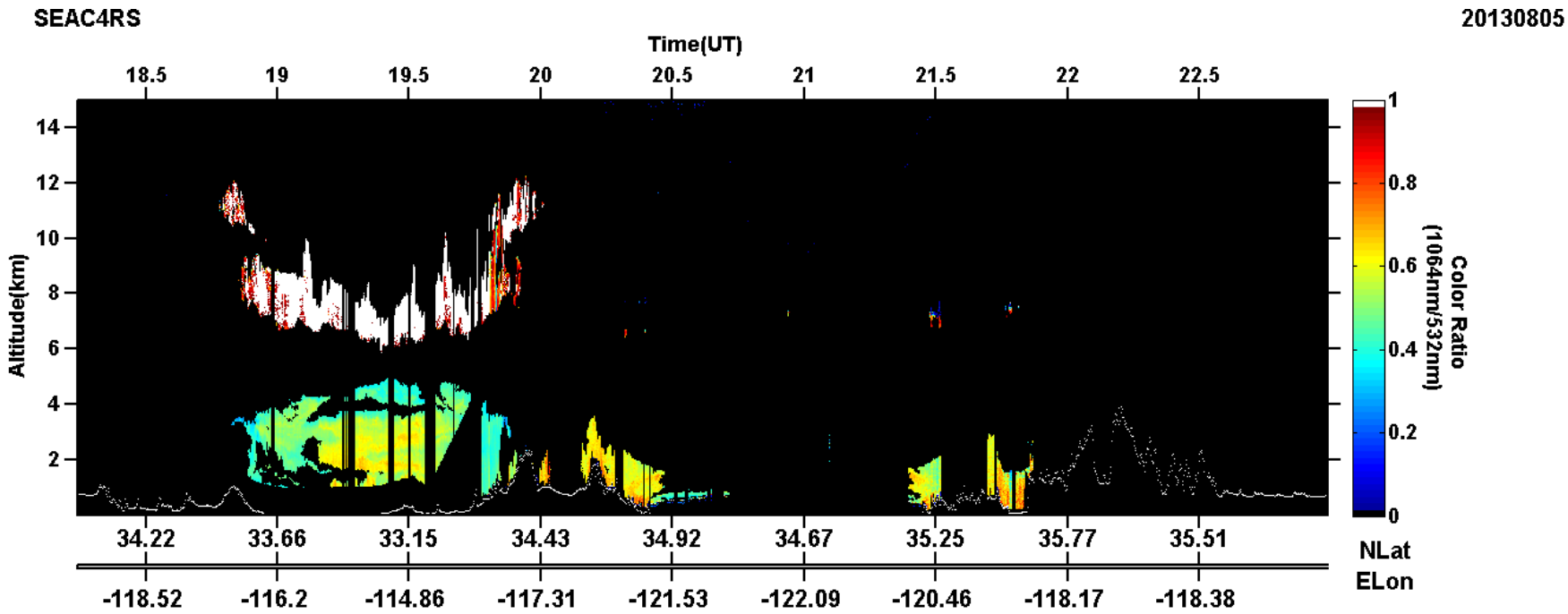

SEAC4RS
20130805
Time(UT)
18.5
19
19.5
20
20.5
21
21.5
22
22.5
Altitude(km)
14
12
10
8
6
4
2
34.22
33.66
33.15
34.43
34.92
34.67
35.25
35.77
35.51
NLat
-118.52
-116.2
-114.86
-117.31
-121.53
-122.09
-120.46
-118.17
-118.38
ELon
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (532nm)

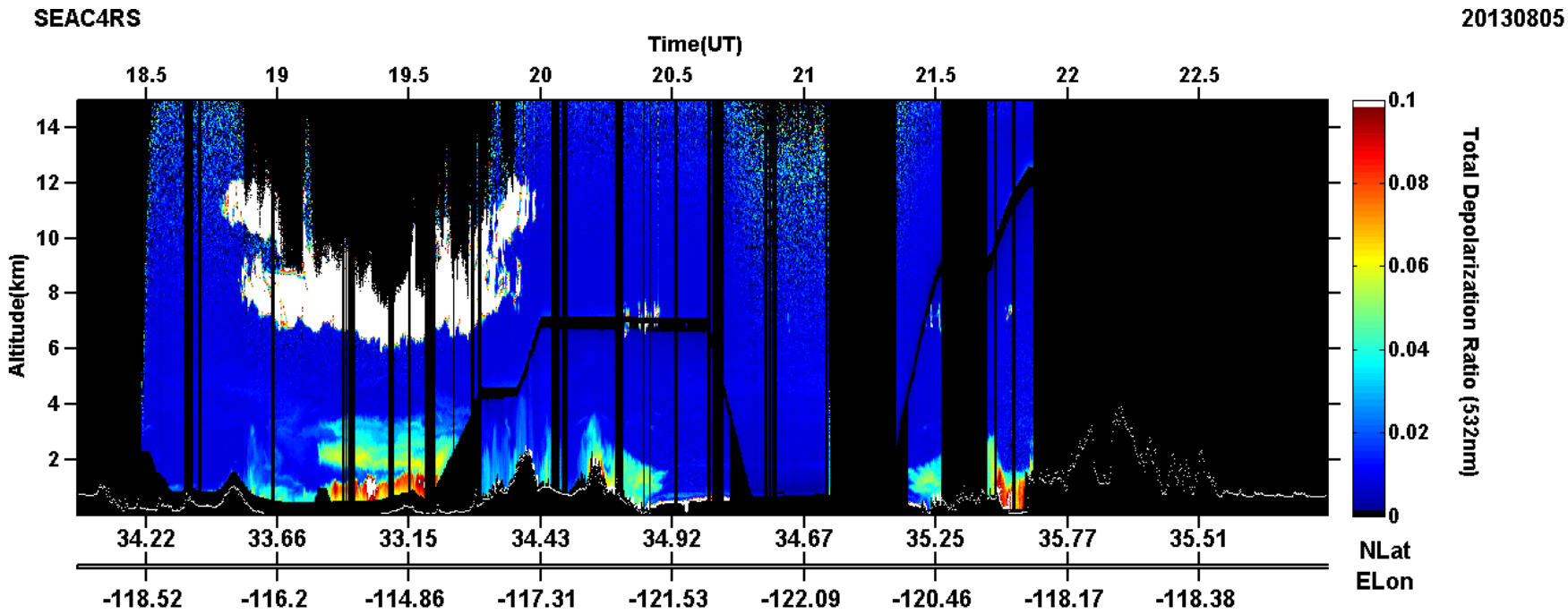

SEAC4RS
20130805
Time(UT)
18.5
19
19.5
20
20.5
21
21.5
22
22.5
Altitude(km)
14
12
10
8
6
4
2
0.25
0.2
0.15
0.1
0.05
0
Aerosol Depolarization Ratio (1064nm)
34.22
33.66
33.15
34.43
34.92
34.67
35.25
35.77
35.51
NLat
-118.52
-116.2
-114.86
-117.31
-121.53
-122.09
-120.46
-118.17
-118.38
ELon

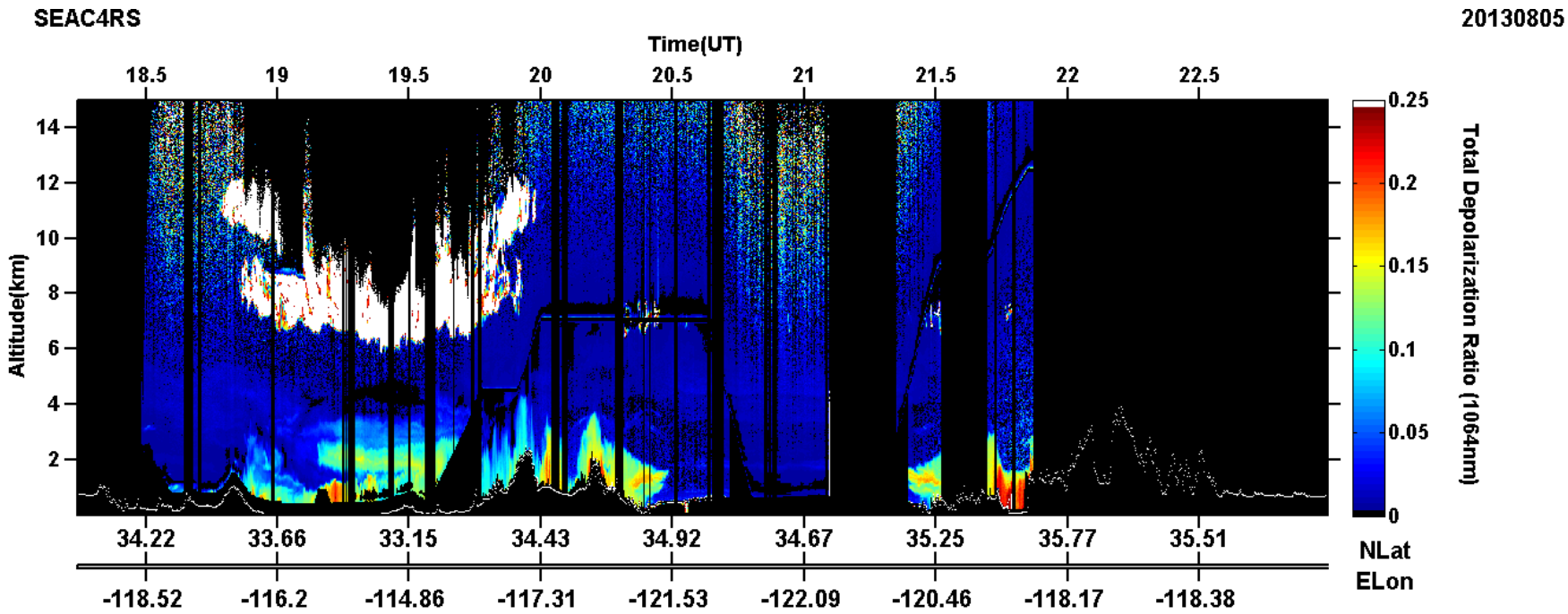

SEAC4RS
20130805
Time(UT)
18.5
19
19.5
20
20.5
21
21.5
22
22.5
Altitude(km)
14
12
10
8
6
4
2
34.22
33.66
33.15
34.43
34.92
34.67
35.25
35.77
35.51
NLat
-118.52
-116.2
-114.86
-117.31
-121.53
-122.09
-120.46
-118.17
-118.38
ELon
10
1
0.1
0.01
Aerosol Backscatter (532nm)
(Mm-1 sr-1)

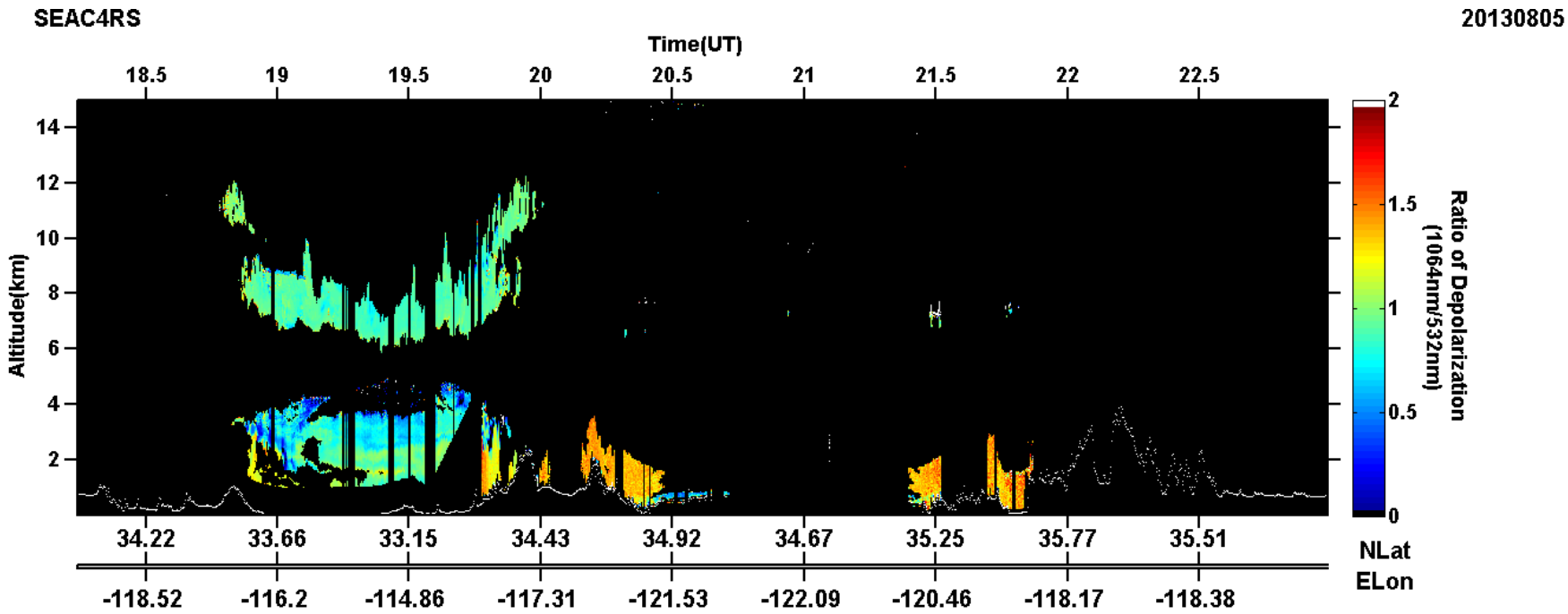

SEAC4RS
20130805
Time(UT)
18.5
19
19.5
20
20.5
21
21.5
22
22.5
Altitude(km)
14
12
10
8
6
4
2
34.22
33.66
33.15
34.43
34.92
34.67
35.25
35.77
35.51
NLat
-118.52
-116.2
-114.86
-117.31
-121.53
-122.09
-120.46
-118.17
-118.38
ELon
5
1
0.1
0.01
Aerosol Backscatter (1064nm)
(Mm-1 sr-1)

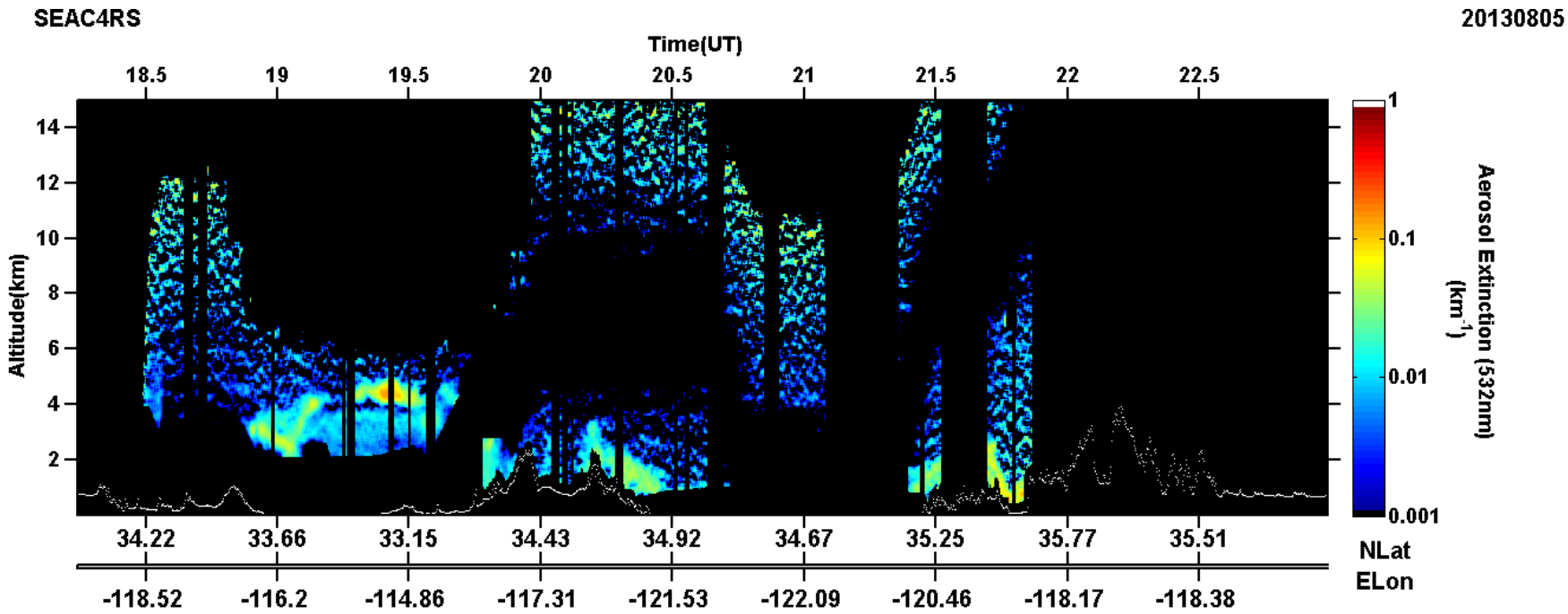

SEAC4RS
20130805
Time(UT)
18.5
19
19.5
20
20.5
21
21.5
22
22.5
Altitude(km)
14
12
10
8
6
4
2
34.22
33.66
33.15
34.43
34.92
34.67
35.25
35.77
35.51
NLat
-118.52
-116.2
-114.86
-117.31
-121.53
-122.09
-120.46
-118.17
-118.38
ELon
10
1
0.1
0.01
Aerosol Scattering Ratio (532nm)

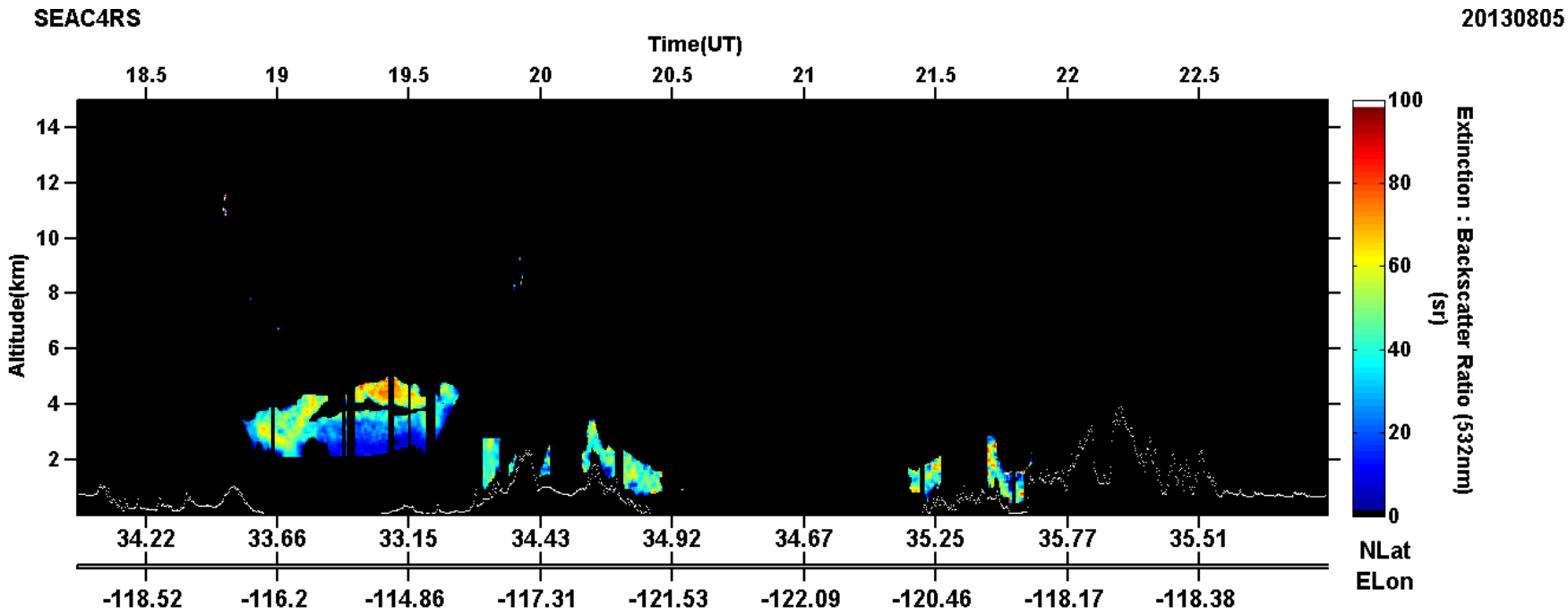

SEAC4RS
20130805
Time(UT)
18.5
19
19.5
20
20.5
21
21.5
22
22.5
Altitude(km)
14
12
10
8
6
4
2
34.22
33.66
33.15
34.43
34.92
34.67
35.25
35.77
35.51
-118.52
-116.2
-114.86
-117.31
-121.53
-122.09
-120.46
-118.17
-118.38
NLat
ELon
Color Ratio
(1064nm/532nm)
1
0.8
0.6
0.4
0.2
0

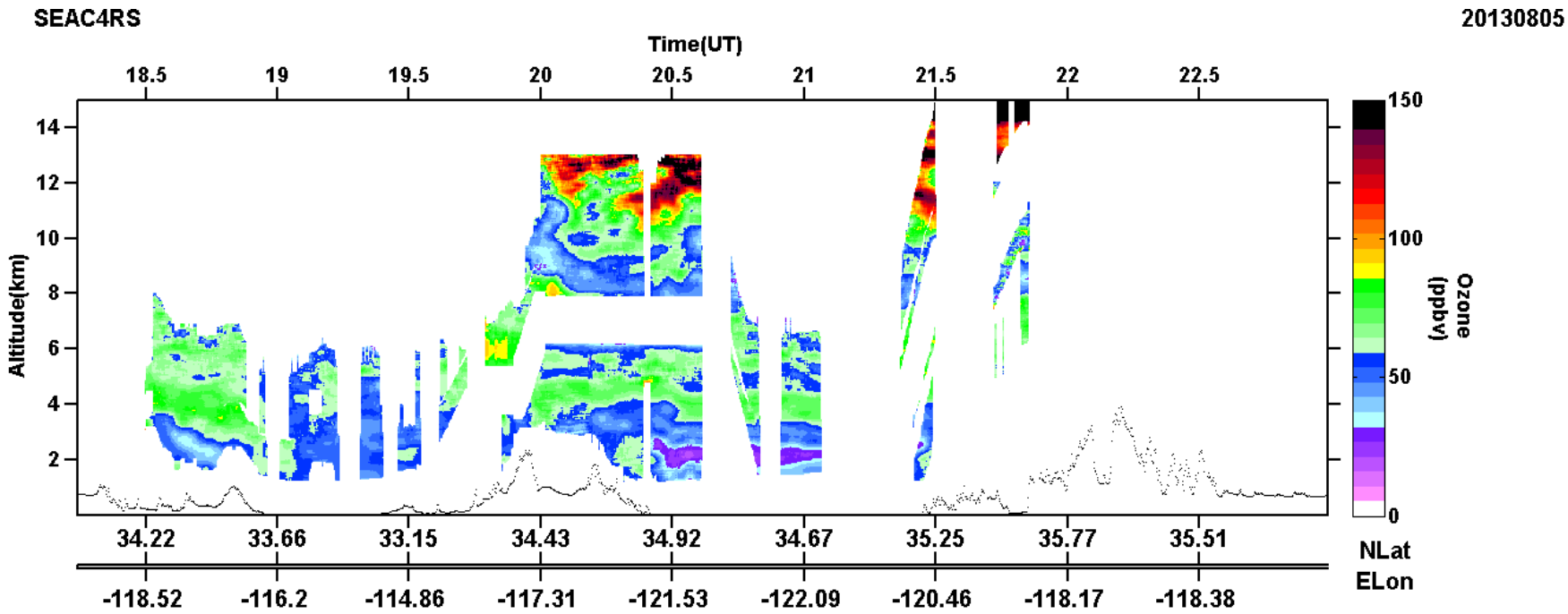

SEAC4RS
20130805
Time(UT)
18.5
19
19.5
20
20.5
21
21.5
22
22.5
Altitude(km)
14
12
10
8
6
4
2
34.22
33.66
33.15
34.43
34.92
34.67
35.25
35.77
35.51
NLat
-118.52
-116.2
-114.86
-117.31
-121.53
-122.09
-120.46
-118.17
-118.38
ELon
0.1
0.08
0.06
0.04
0.02
0
Total Depolarization Ratio (532nm)

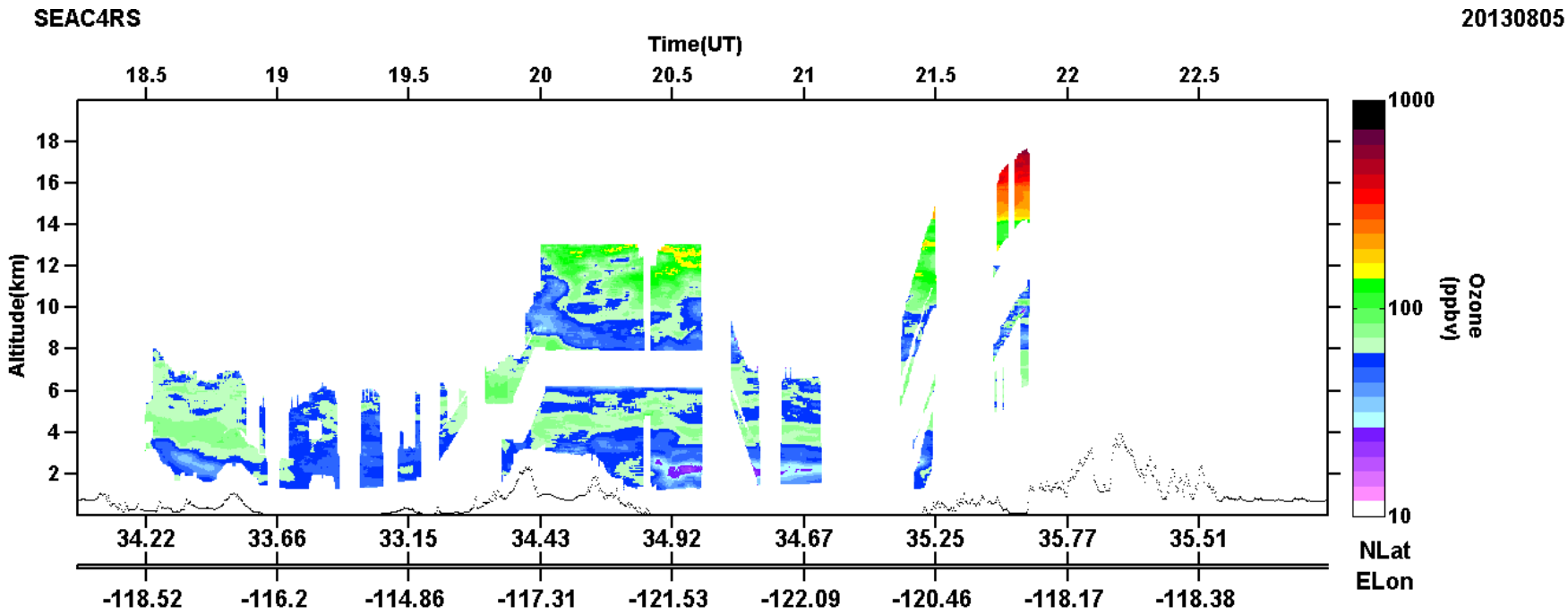

SEAC4RS
20130805
Time(UT)
18.5
19
19.5
20
20.5
21
21.5
22
22.5
Altitude(km)
14
12
10
8
6
4
2
34.22
33.66
33.15
34.43
34.92
34.67
35.25
35.77
35.51
-118.52
-116.2
-114.86
-117.31
-121.53
-122.09
-120.46
-118.17
-118.38
NLat
ELon
0.25
0.2
0.15
0.1
0.05
0
Total Depolarization Ratio (1064nm)


SEAC4RS
20130805
Time(UT)
18.5
19
19.5
20
20.5
21
21.5
22
22.5
Altitude(km)
14
12
10
8
6
4
2
34.22
33.66
33.15
34.43
34.92
34.67
35.25
35.77
35.51
-118.52
-116.2
-114.86
-117.31
-121.53
-122.09
-120.46
-118.17
-118.38
NLat
ELon
Ratio of Depolarization
(1064nm/532nm)
2
1.5
1
0.5
0


SEAC4RS
20130805
Time(UT)
18.5
19
19.5
20
20.5
21
21.5
22
22.5
Altitude(km)
14
12
10
8
6
4
2
34.22
33.66
33.15
34.43
34.92
34.67
35.25
35.77
35.51
NLat
-118.52
-116.2
-114.86
-117.31
-121.53
-122.09
-120.46
-118.17
-118.38
ELon
1
0.1
0.01
0.001
Aerosol Extinction (532nm)
(km^{-1})


SEAC4RS
20130805
Time(UT)
18.5
19
19.5
20
20.5
21
21.5
22
22.5
Altitude(km)
14
12
10
8
6
4
2
34.22
33.66
33.15
34.43
34.92
34.67
35.25
35.77
35.51
NLat
-118.52
-116.2
-114.86
-117.31
-121.53
-122.09
-120.46
-118.17
-118.38
ELon
100
80
60
40
20
0
Extinction : Backscatter Ratio (532nm)
(sr)


SEAC4RS
20130805
Time(UT)
18.5
19
19.5
20
20.5
21
21.5
22
22.5
Altitude(km)
14
12
10
8
6
4
2
34.22
33.66
33.15
34.43
34.92
34.67
35.25
35.77
35.51
NLat
-118.52
-116.2
-114.86
-117.31
-121.53
-122.09
-120.46
-118.17
-118.38
ELon
150
100
50
0
Ozone
(ppbv)


SEAC4RS
20130805
Time(UT)
18.5
19
19.5
20
20.5
21
21.5
22
22.5
Altitude(km)
18
16
14
12
10
8
6
4
2
34.22
33.66
33.15
34.43
34.92
34.67
35.25
35.77
35.51
NLat
-118.52
-116.2
-114.86
-117.31
-121.53
-122.09
-120.46
-118.17
-118.38
ELon
1000
100
10
Ozone (ppbv)