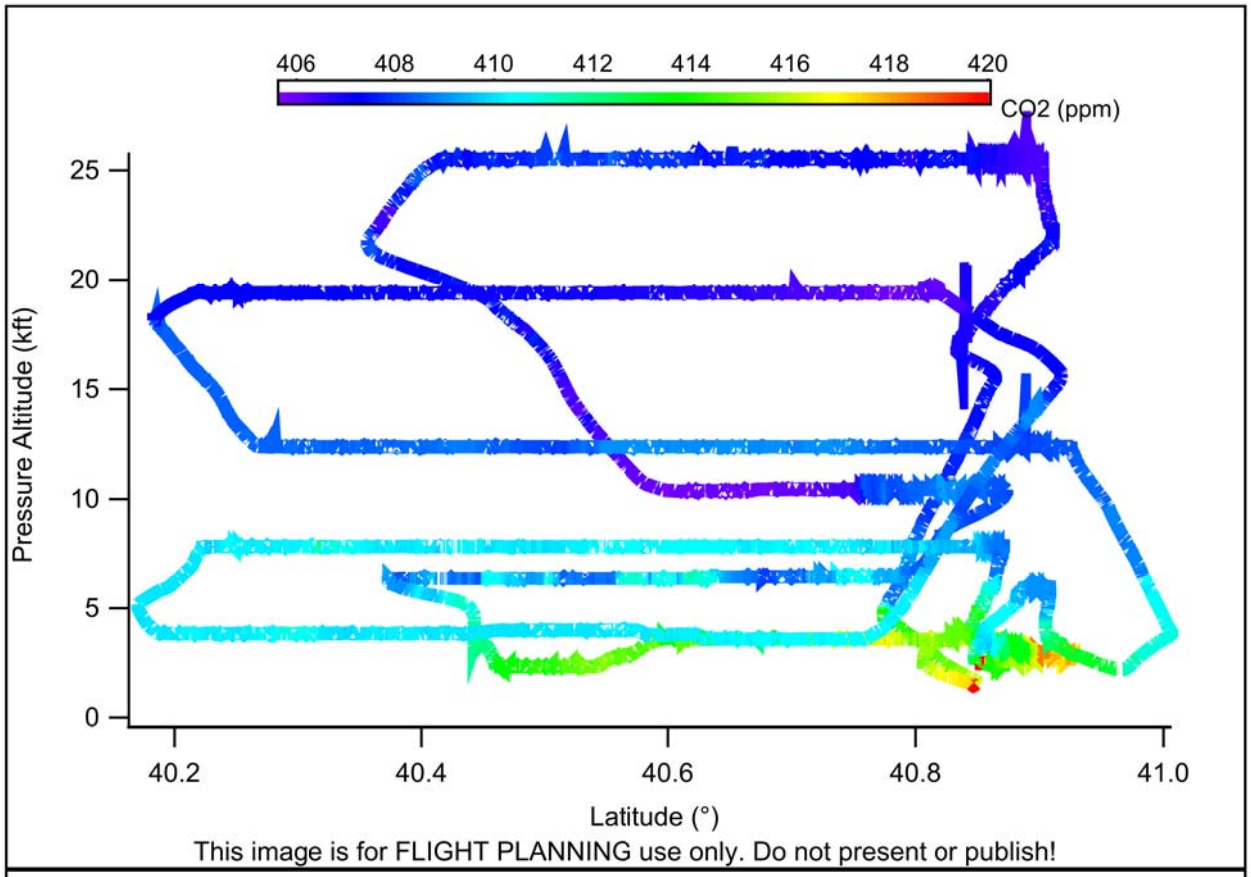
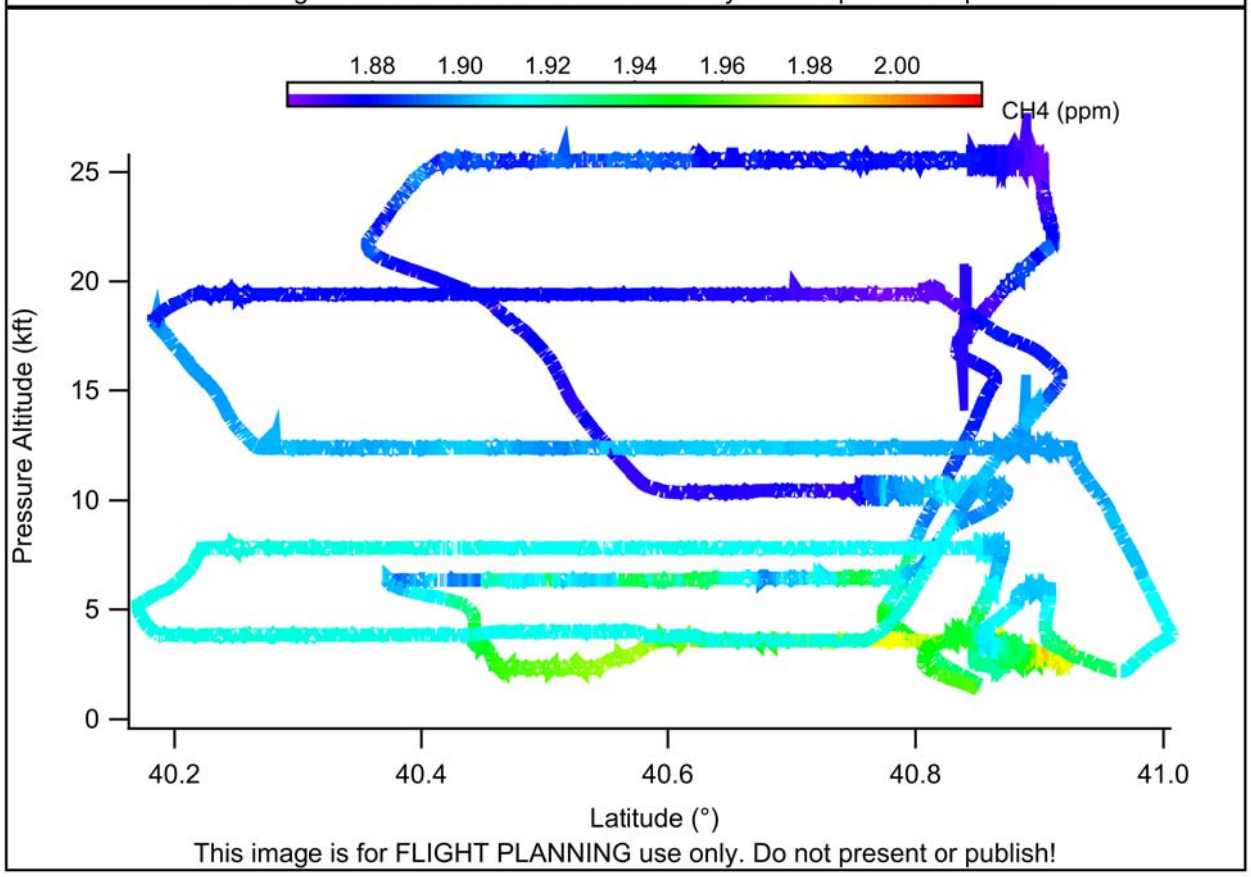
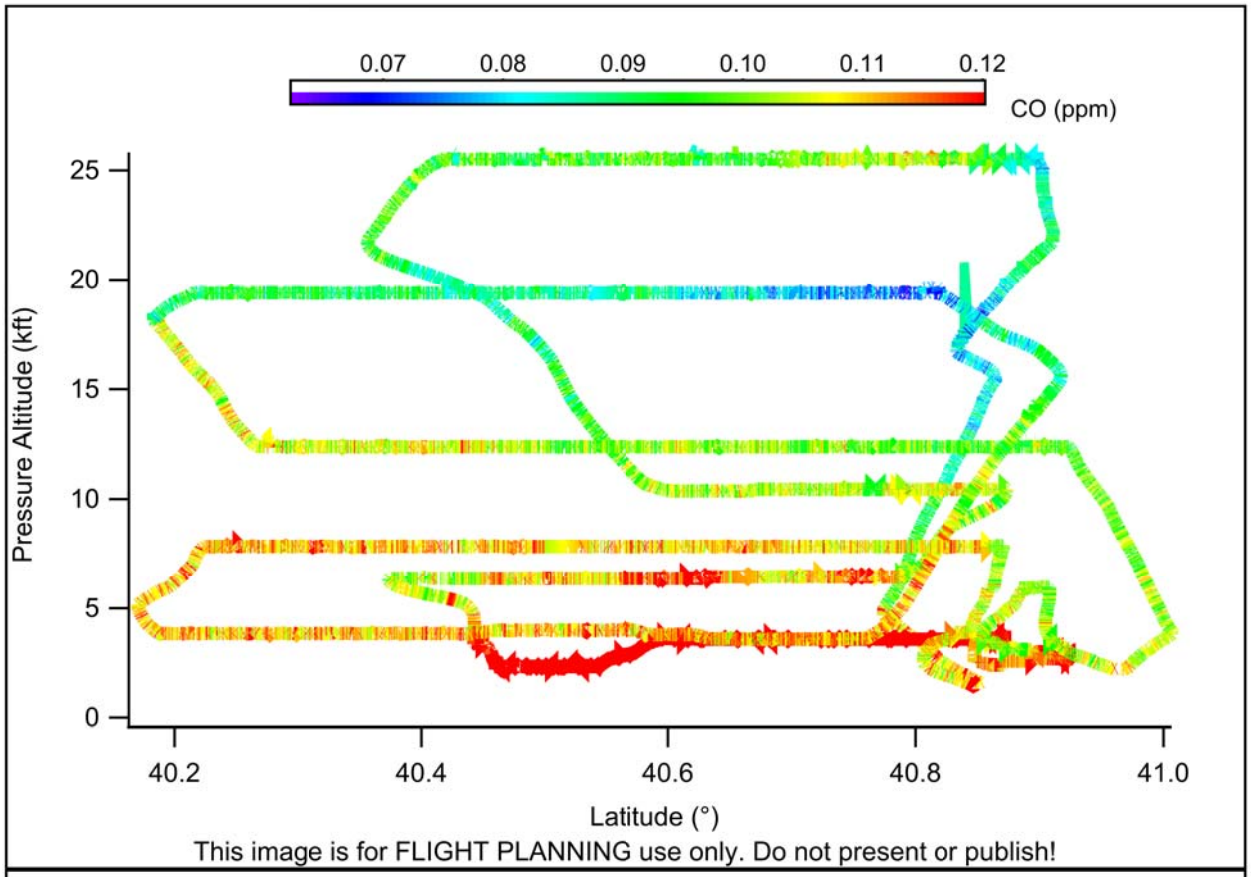
ACT-America 20170220


406
408
410
412
414
416
418
420
CO2 (ppm)
Pressure Altitude (kft)
25
20
15
10
5
0
40.2
40.4
40.6
40.8
41.0
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


1.88
1.90
1.92
1.94
1.96
1.98
2.00
CH4 (ppm)
Pressure Altitude (kft)
25
20
15
10
5
0
40.2
40.4
40.6
40.8
41.0
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!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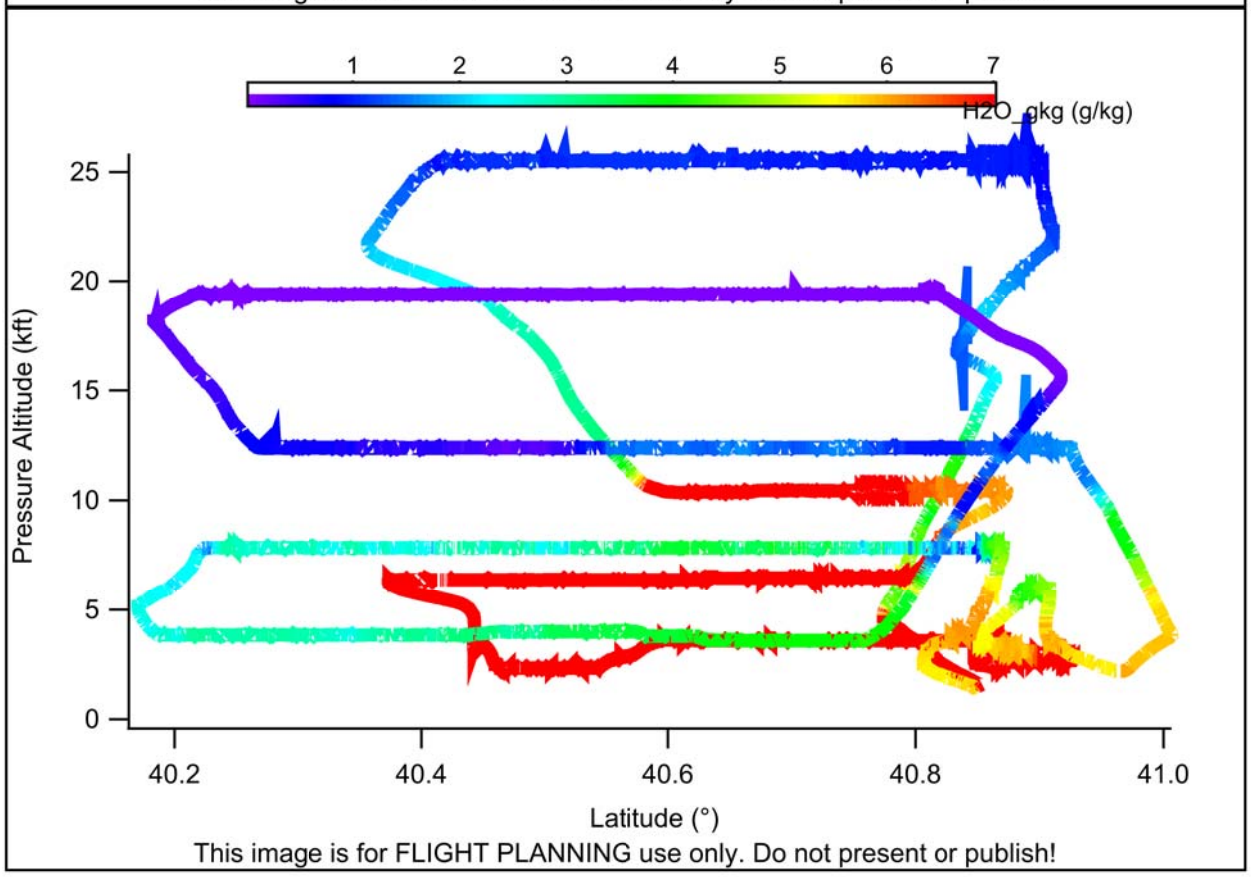
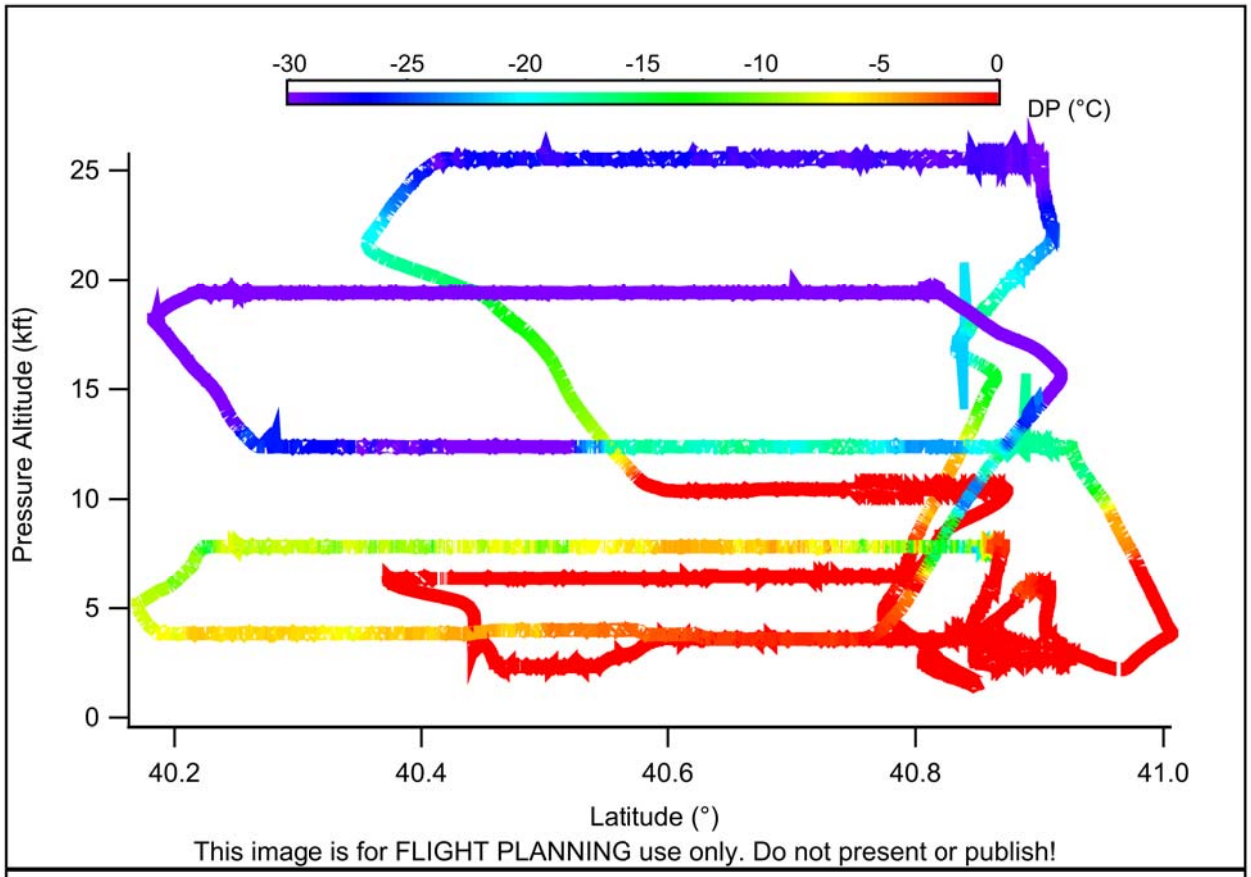
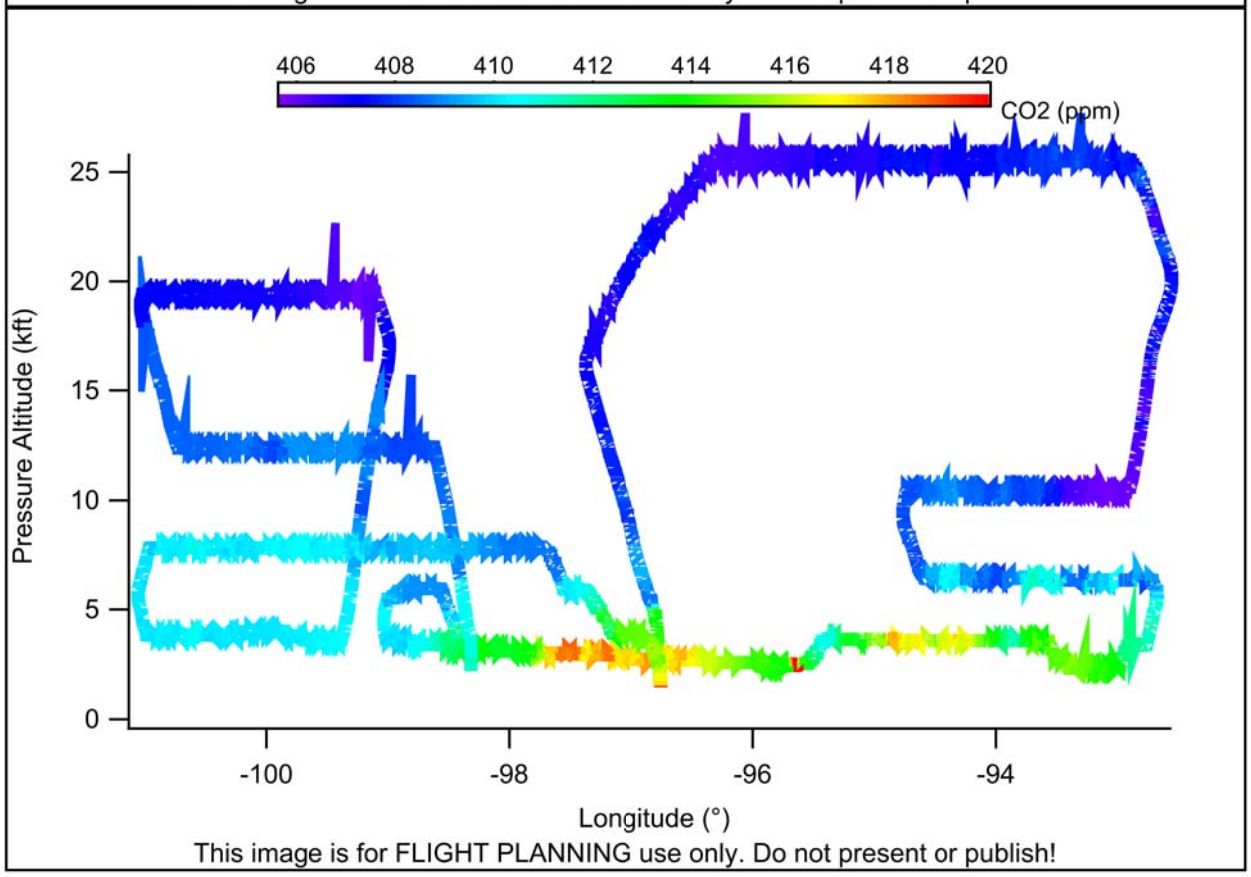
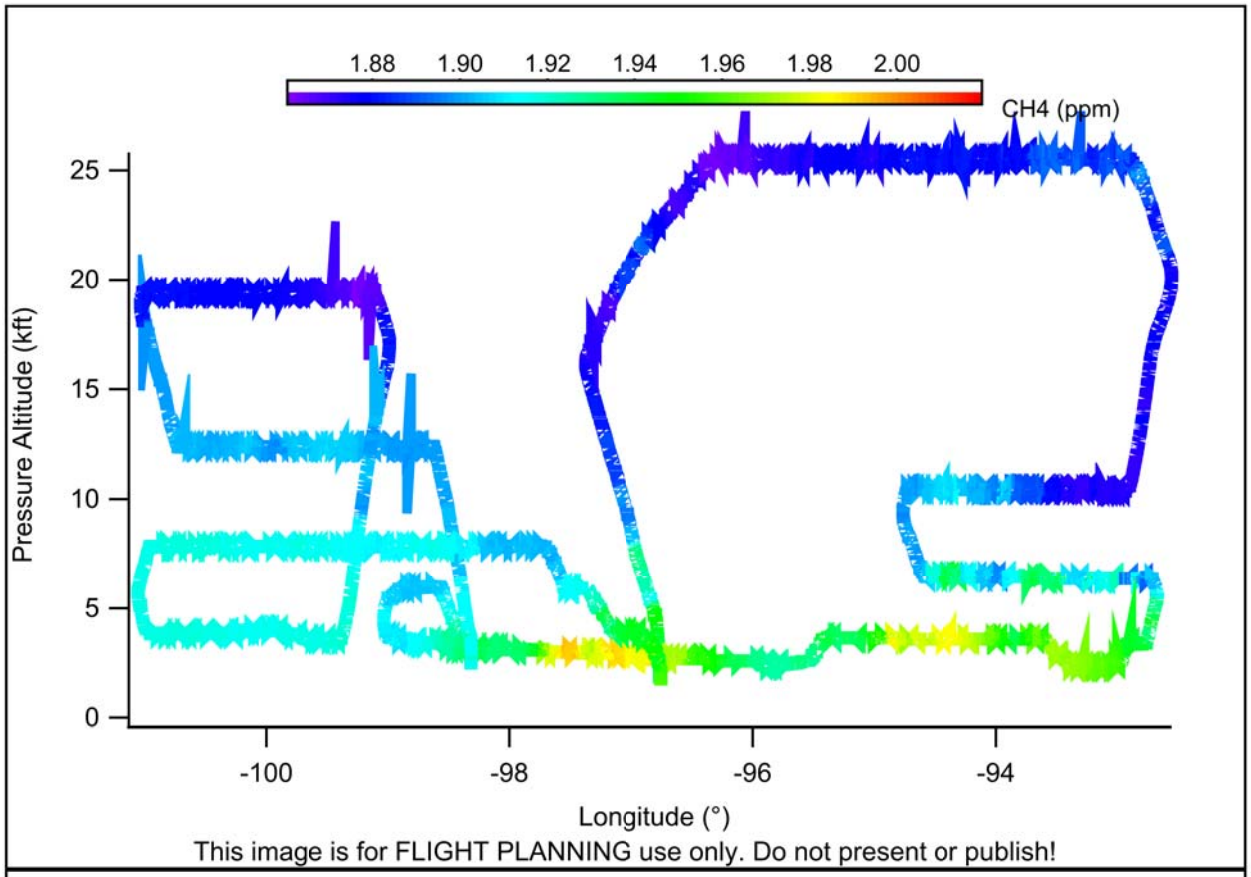
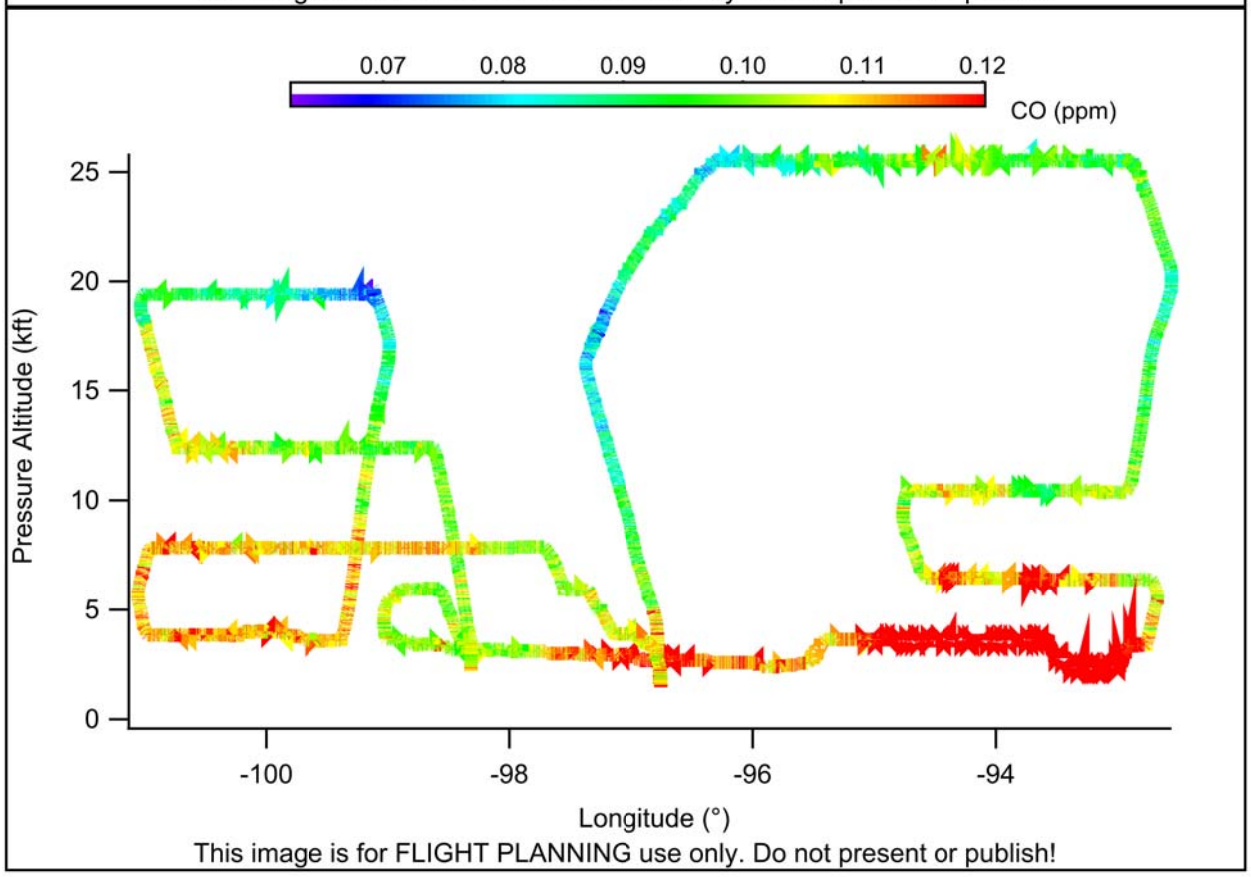
0.08
0.09
0.10
0.11
0.12
CO (ppm)
Pressure Altitude (kft)
25
20
15
10
5
0
40.2
40.4
40.6
40.8
41.0
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

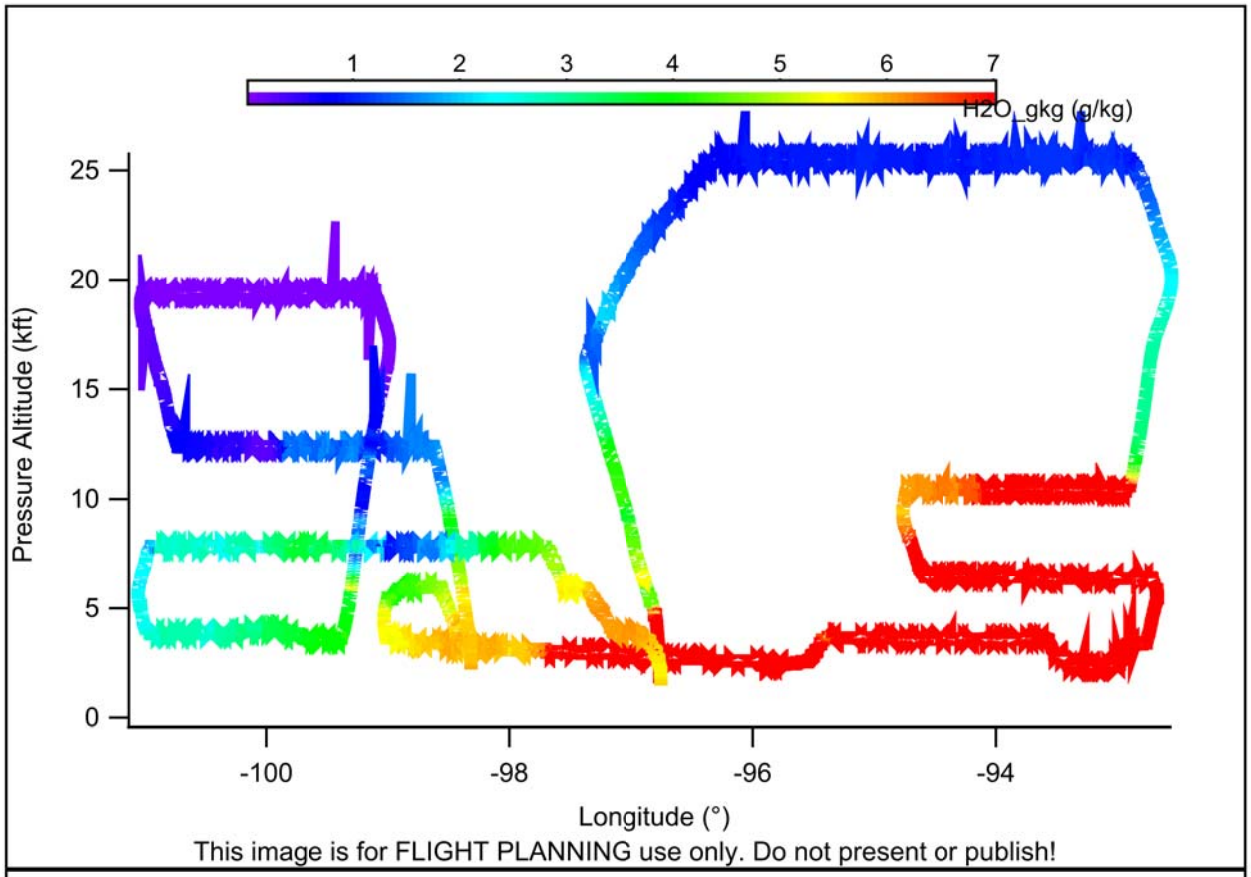

1
2
3
4
5
6
7
H2O_gkg (g/kg)
Pressure Altitude (kft)
25
20
15
10
5
0
40.2
40.4
40.6
40.8
41.0
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

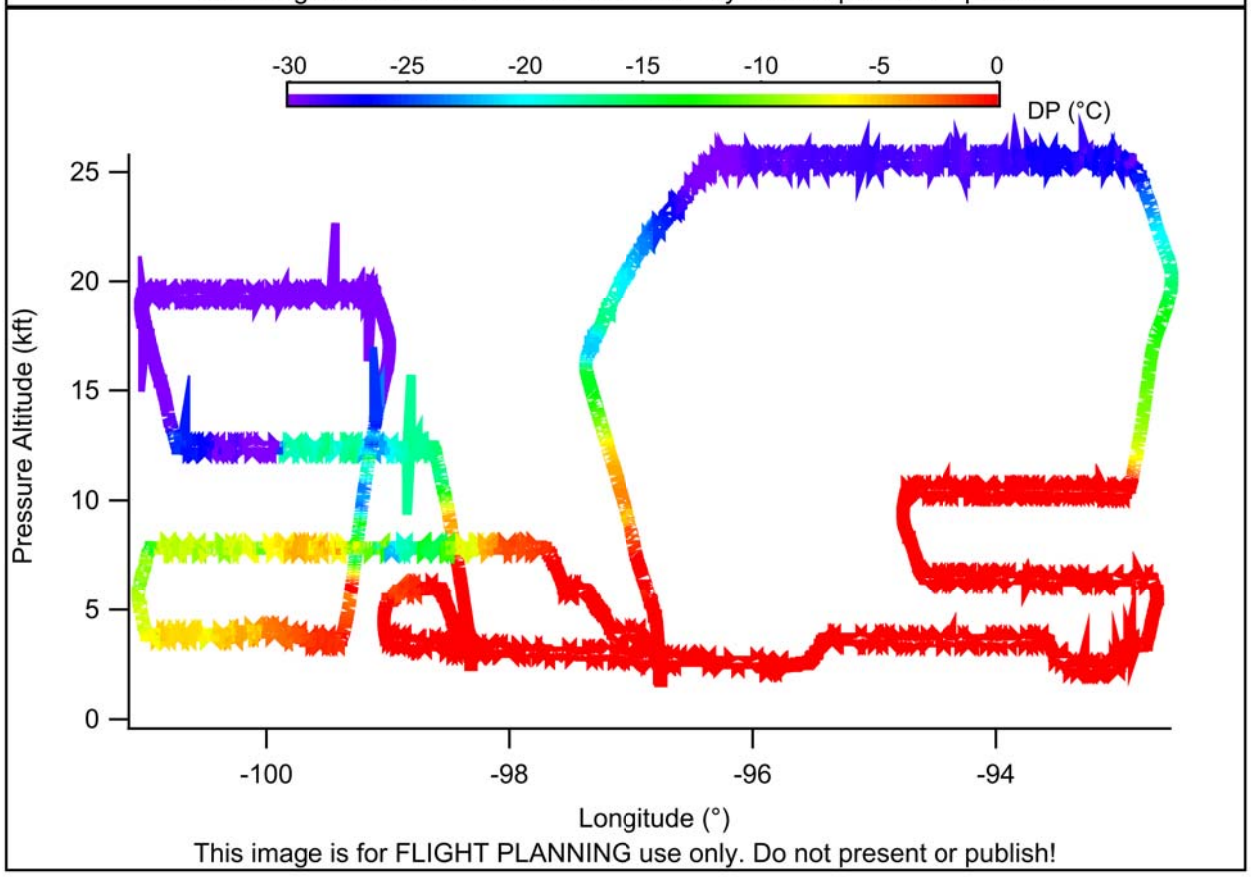

-30
-25
-20
-15
-10
-5
0
DP (°C)
Pressure Altitude (kft)
25
20
15
10
5
0
40.2
40.4
40.6
40.8
41.0
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

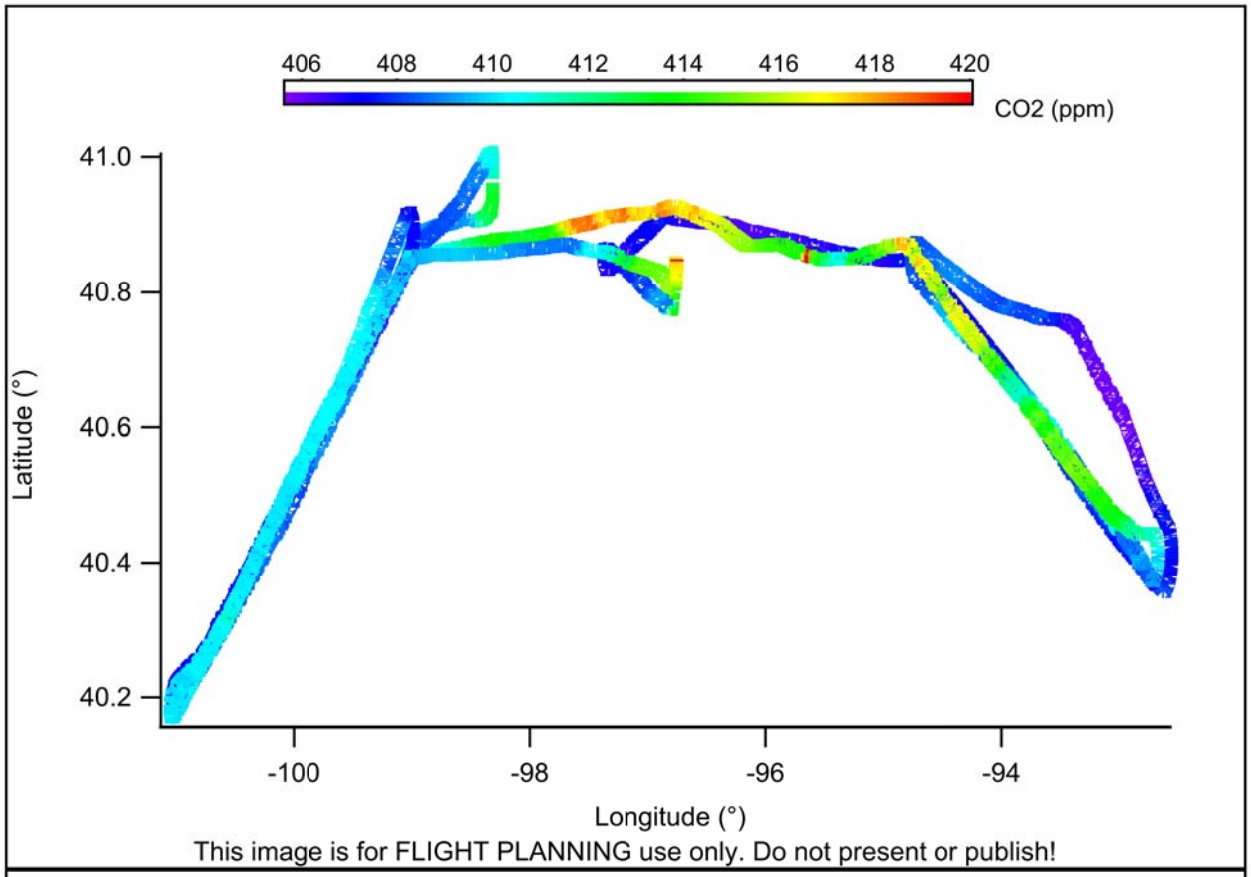

406
408
410
412
414
416
418
420
CO2 (ppm)
Pressure Altitude (kft)
25
20
15
10
5
0
-100
-98
-96
-94
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

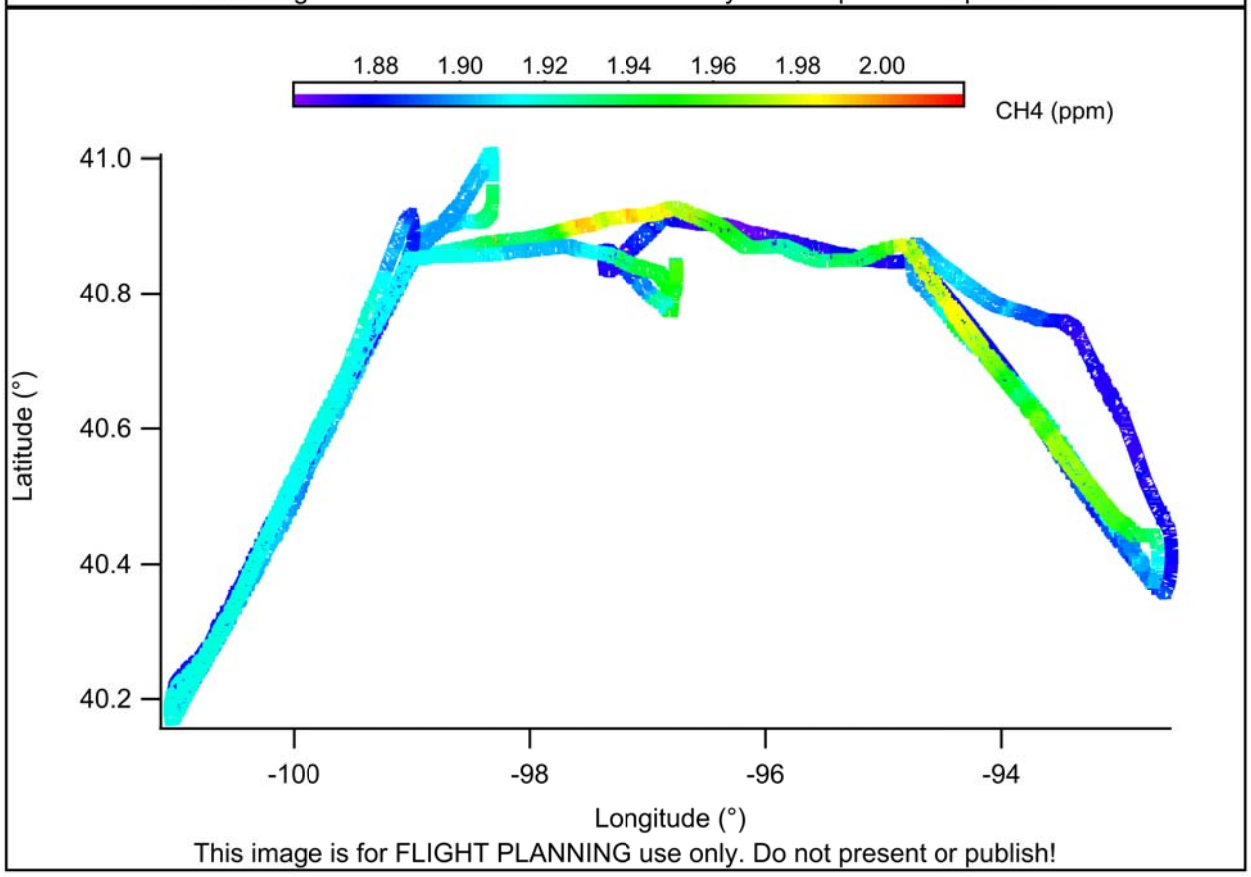

1.88
1.90
1.92
1.94
1.96
1.98
2.00
CH4 (ppm)
Pressure Altitude (kft)
25
20
15
10
5
0
-100
-98
-96
-94
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

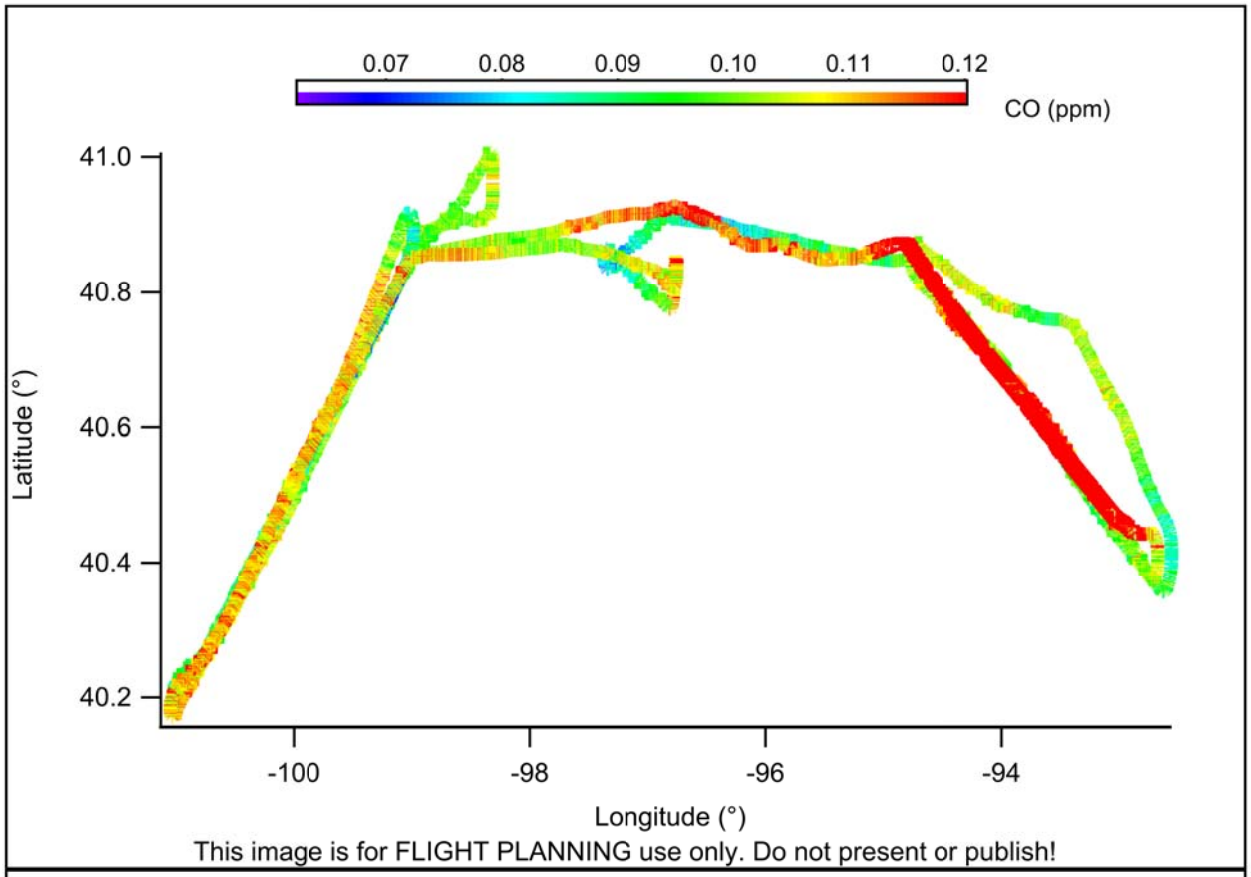

0.07
0.08
0.09
0.10
0.11
0.12
CO (ppm)
Pressure Altitude (kft)
25
20
15
10
5
0
-100
-98
-96
-94
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

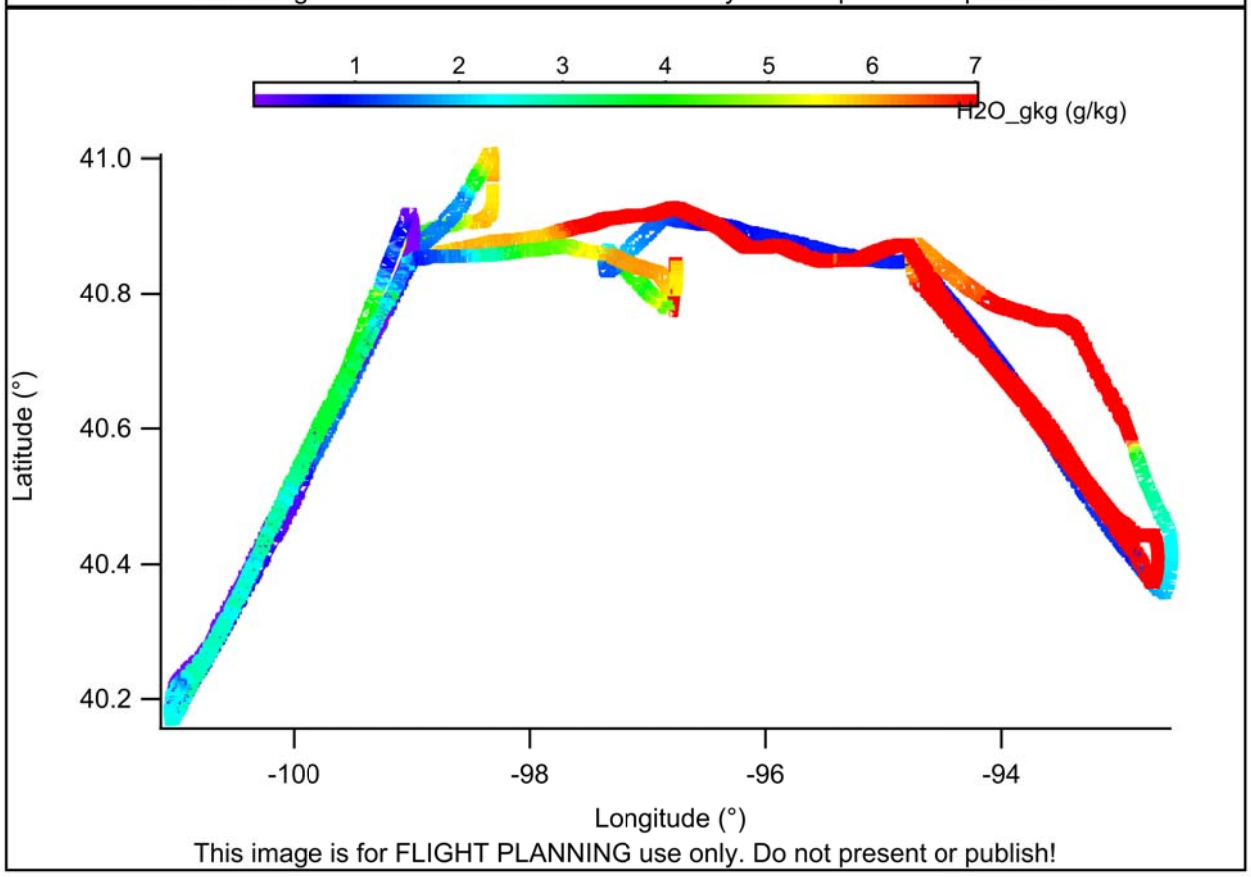

1 2 3 4 5 6 7
H2O_gkg (g/kg)
Pressure Altitude (kft)
25
20
15
10
5
0
-100
-98
-96
-94
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

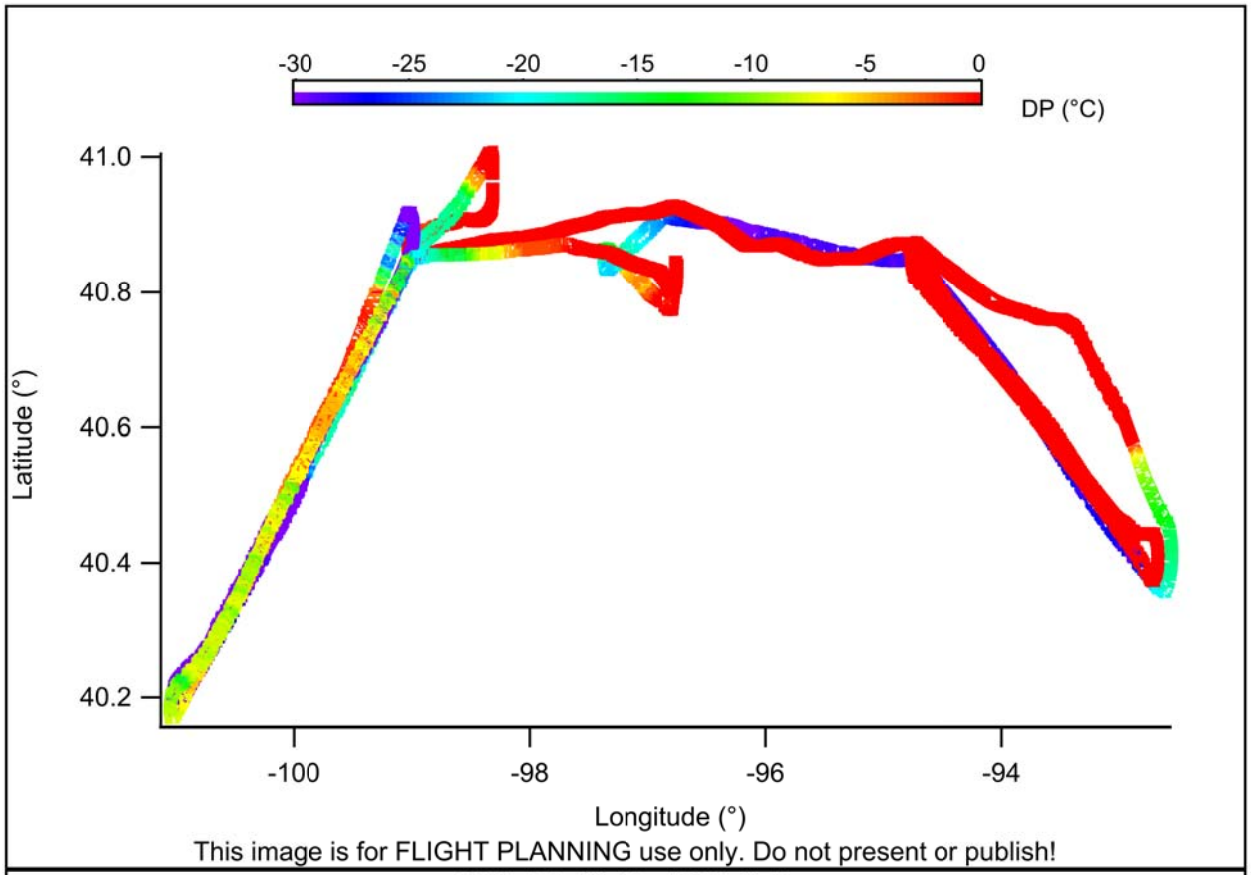

-30 -25 -20 -15 -10 -5 0
DP (°C)
Pressure Altitude (kft)
25
20
15
10
5
0
-100
-98
-96
-94
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

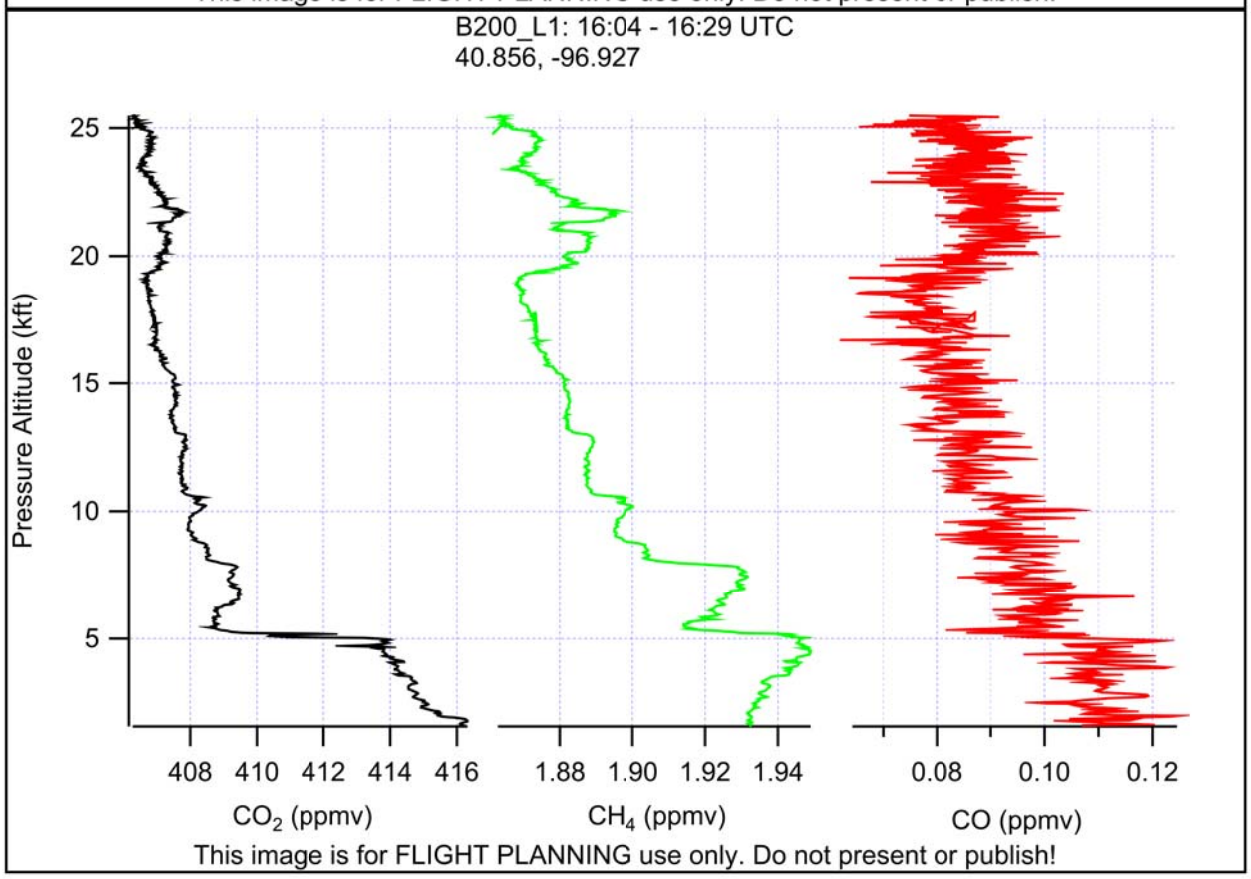

406
408
410
412
414
416
418
420
CO2 (ppm)
41.0
40.8
40.6
40.4
40.2
Latitude (°)
-100
-98
-96
-94
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

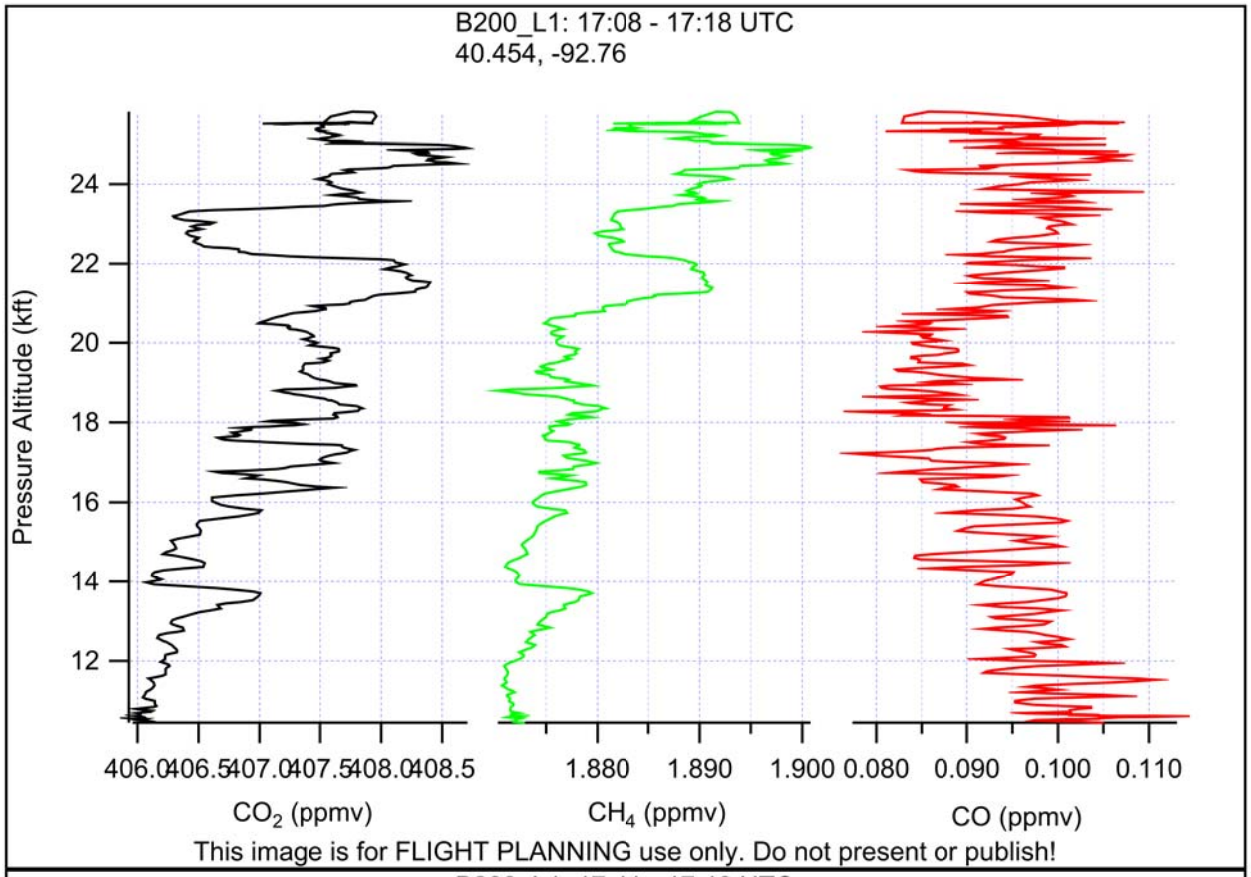

1.88
1.90
1.92
1.94
1.96
1.98
2.00
CH4 (ppm)
41.0
40.8
40.6
40.4
40.2
Latitude (°)
-100
-98
-96
-94
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

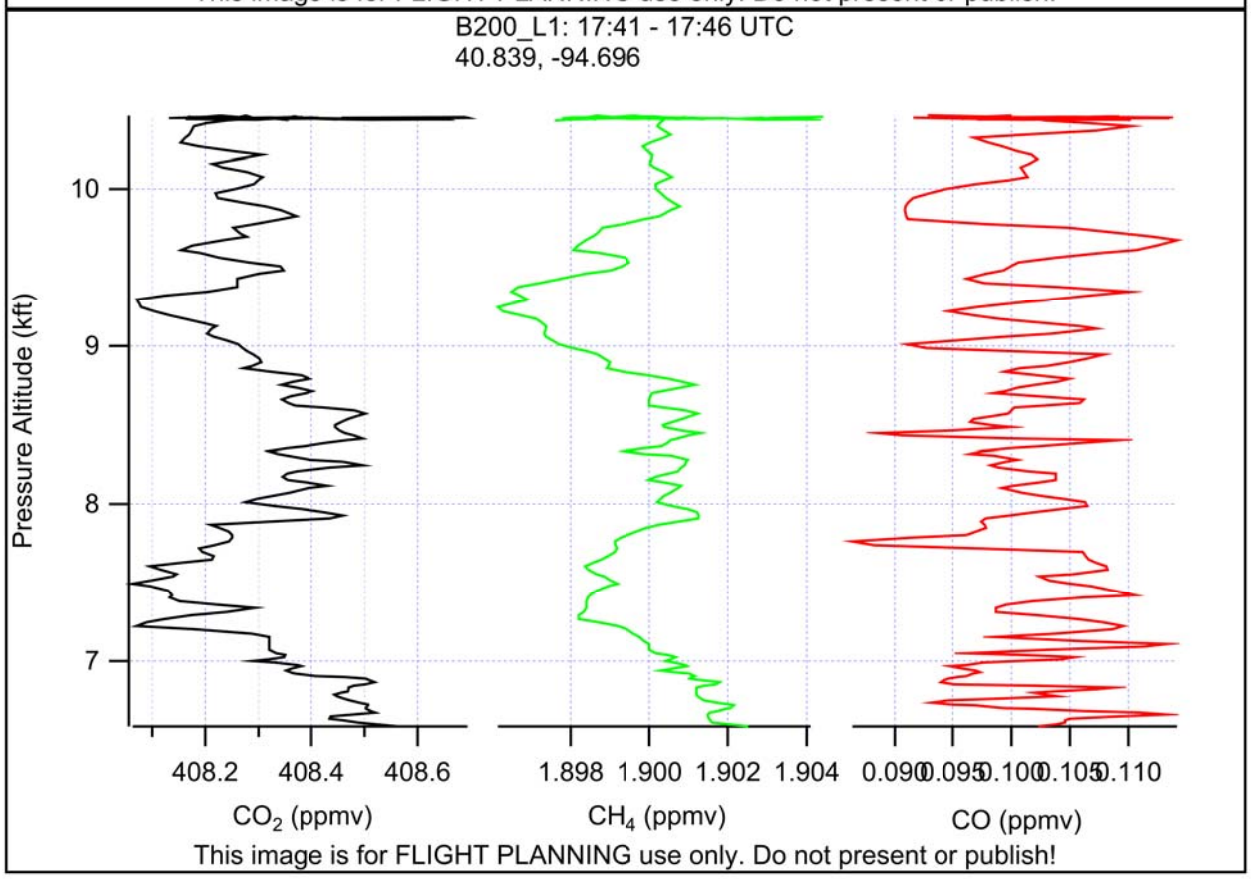

0.07
0.08
0.09
0.10
0.11
0.12
CO (ppm)
41.0
40.8
40.6
40.4
40.2
Latitude (°)
-100
-98
-96
-94
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

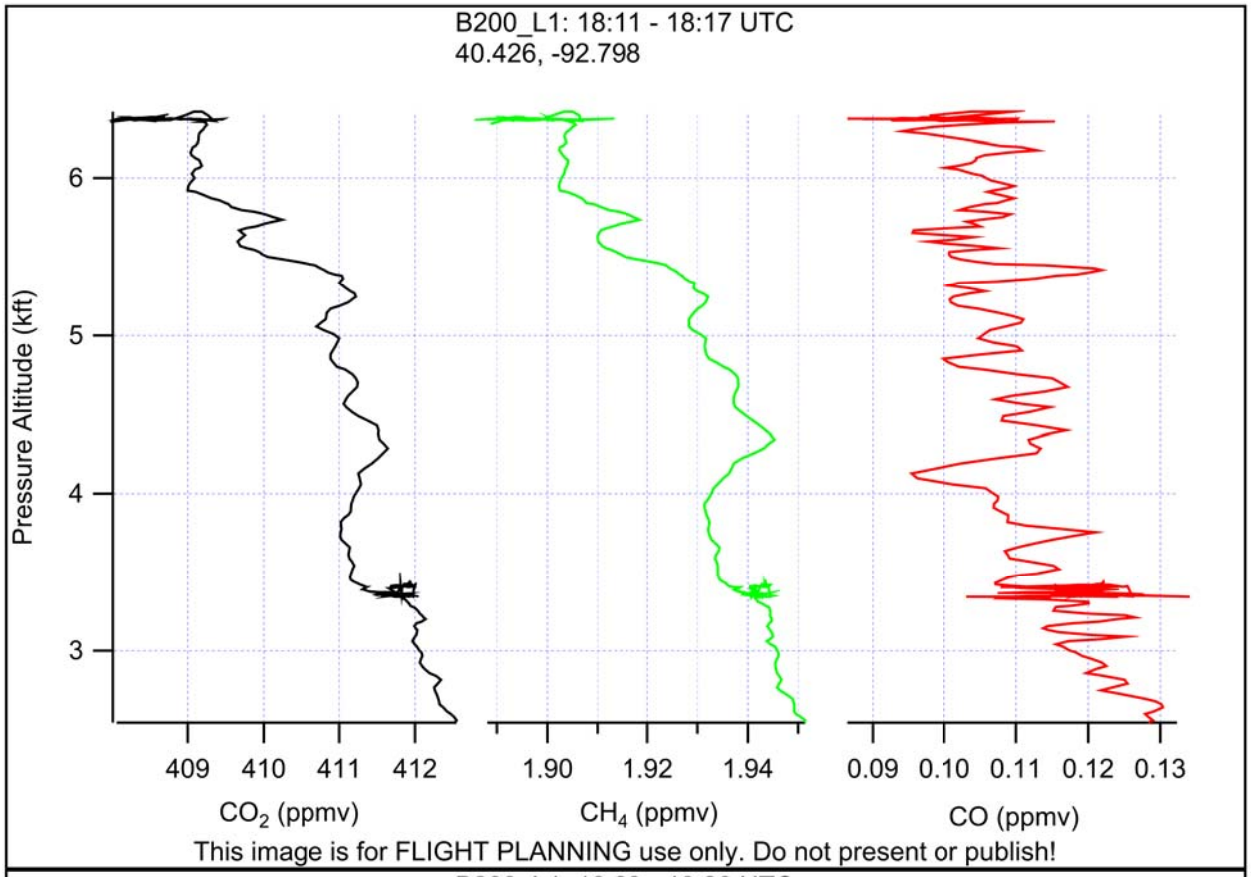

1
2
3
4
5
6
7
H2O_gkg (g/kg)
41.0
40.8
40.6
40.4
40.2
Latitude (°)
-100
-98
-96
-94
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

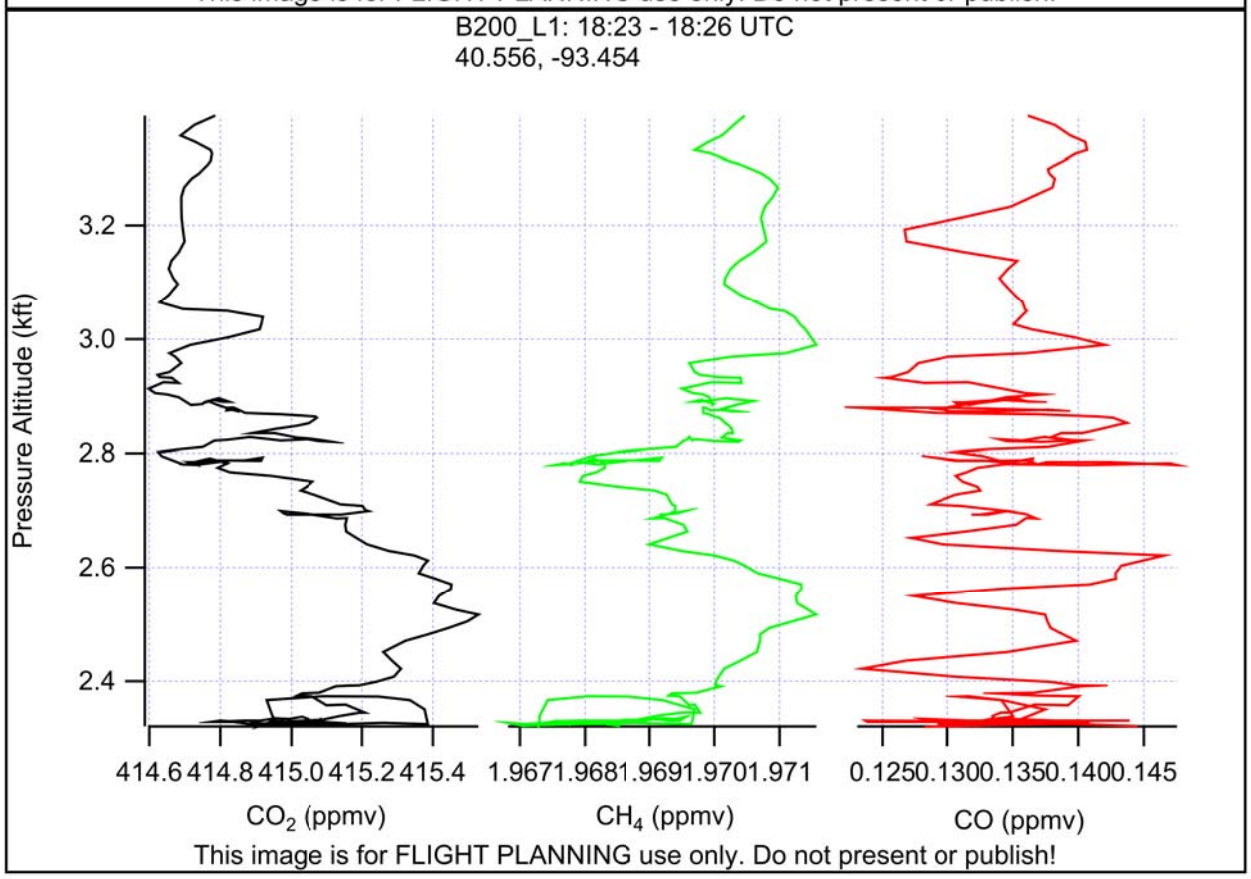

-30
-25
-20
-15
-10
-5
0
DP (°C)
41.0
40.8
40.6
40.4
40.2
Latitude (°)
-100
-98
-96
-94
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

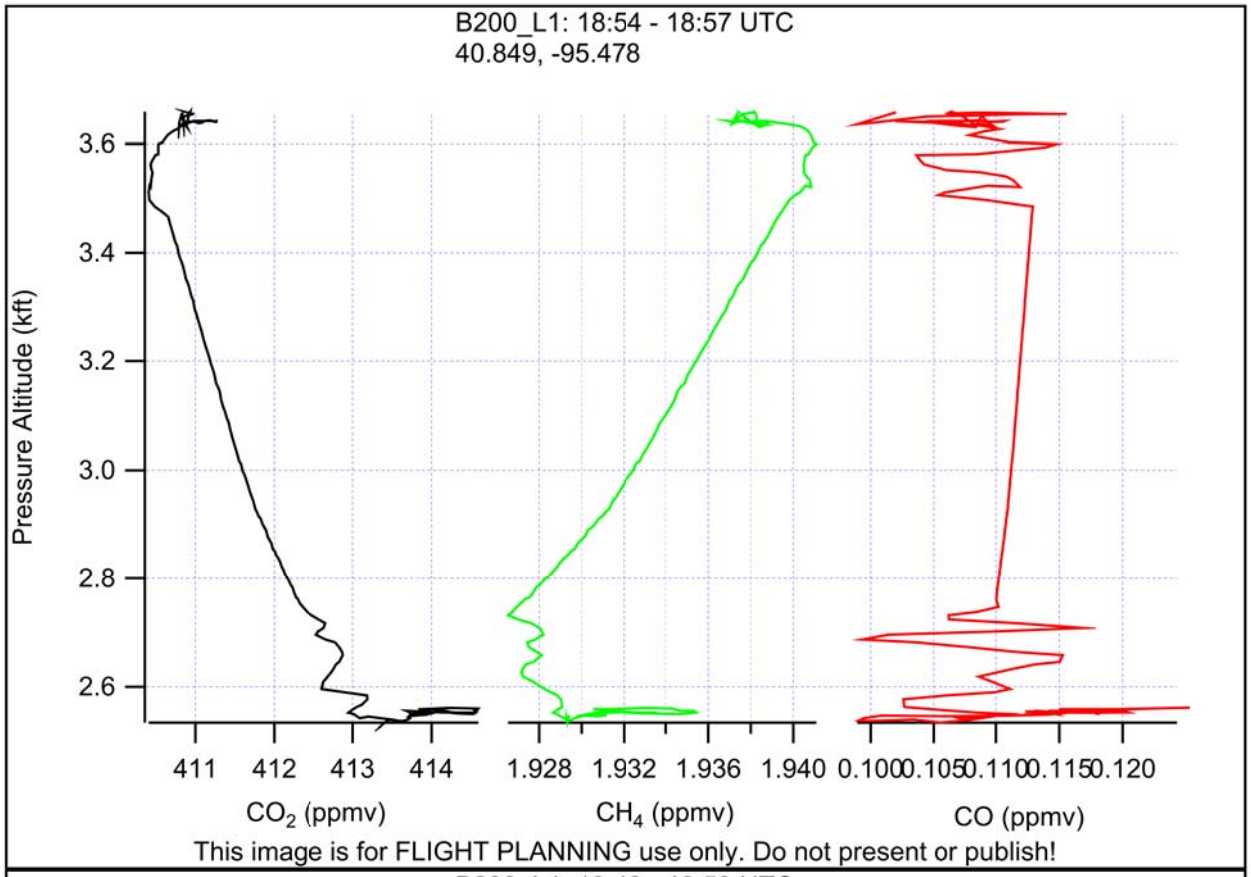

B200_L1: 16:04 - 16:29 UTC
40.856, -96.927
25
20
15
10
5
Pressure Altitude (kft)
408
410
412
414
416
CO2 (ppmv)
1.88
1.90
1.92
1.94
CH4 (ppmv)
0.08
0.10
0.12
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

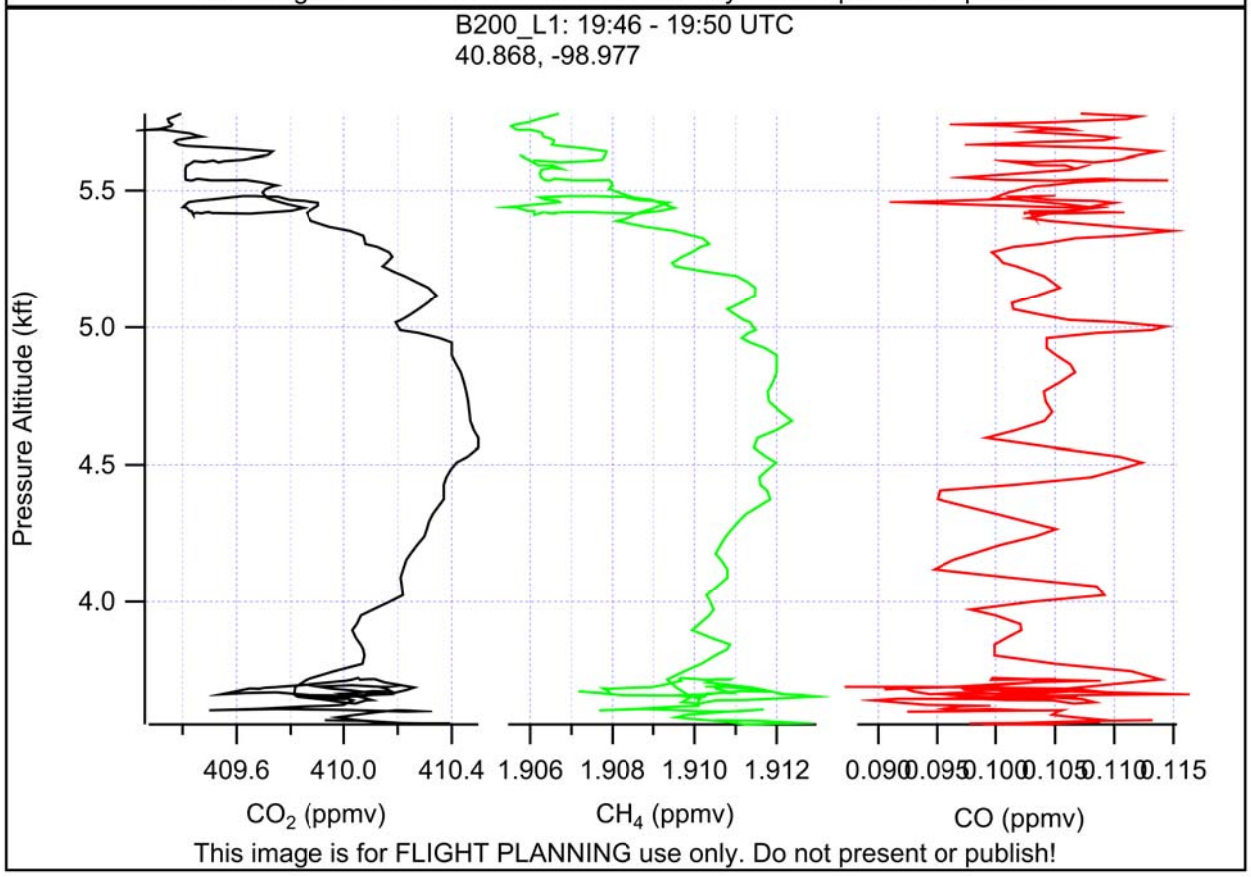

B200_L1: 17:08 - 17:18 UTC
40.454, -92.76
Pressure Altitude (kft)
24
22
20
18
16
14
12
406.0 406.5 407.0 407.5 408.0 408.5
CO2 (ppmv)
1.880 1.890 1.900
CH4 (ppmv)
0.080 0.090 0.100 0.110
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

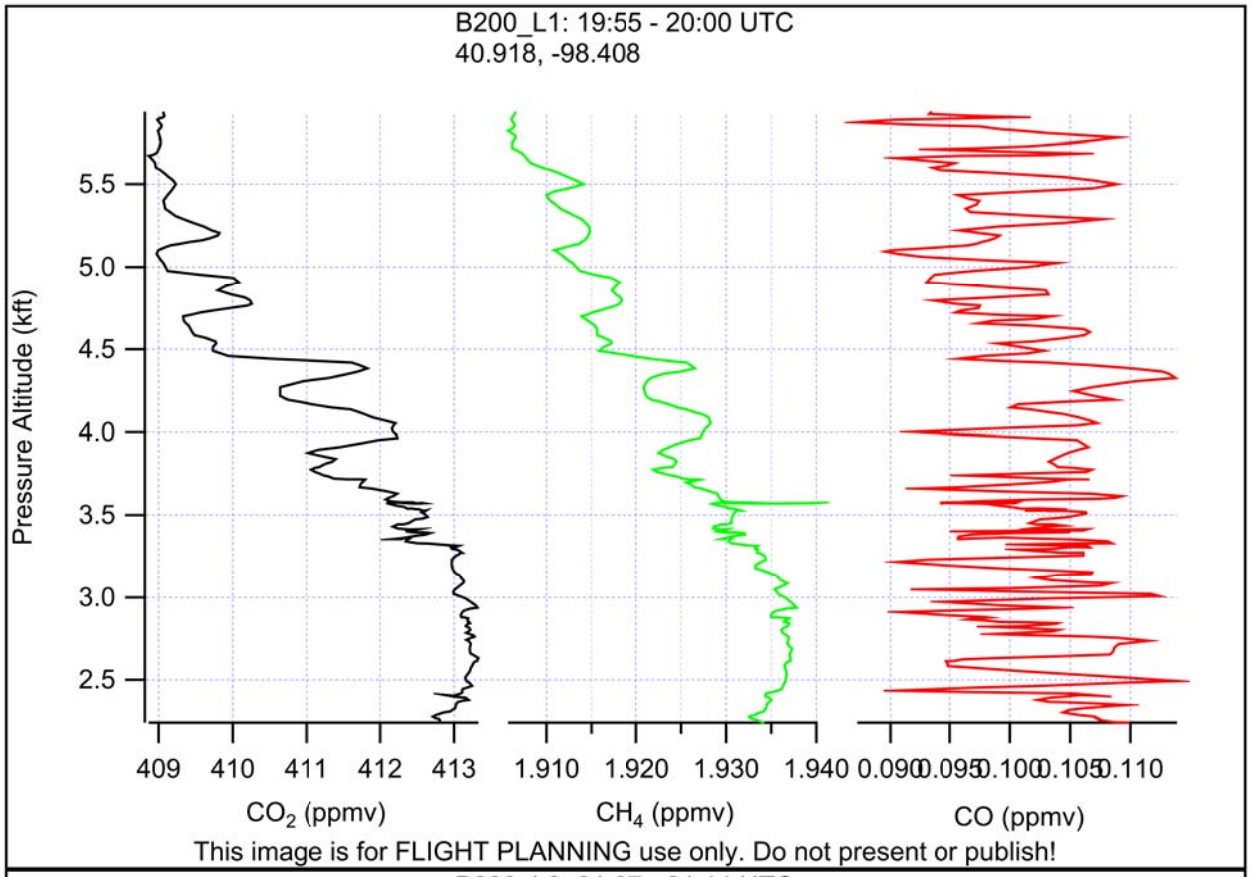

B200_L1: 17:41 - 17:46 UTC
40.839, -94.696
Pressure Altitude (kft)
10
9
8
7
408.2 408.4 408.6
CO2 (ppmv)
1.898 1.900 1.902 1.904
CH4 (ppmv)
0.090 0.095 0.100 0.105 0.110
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

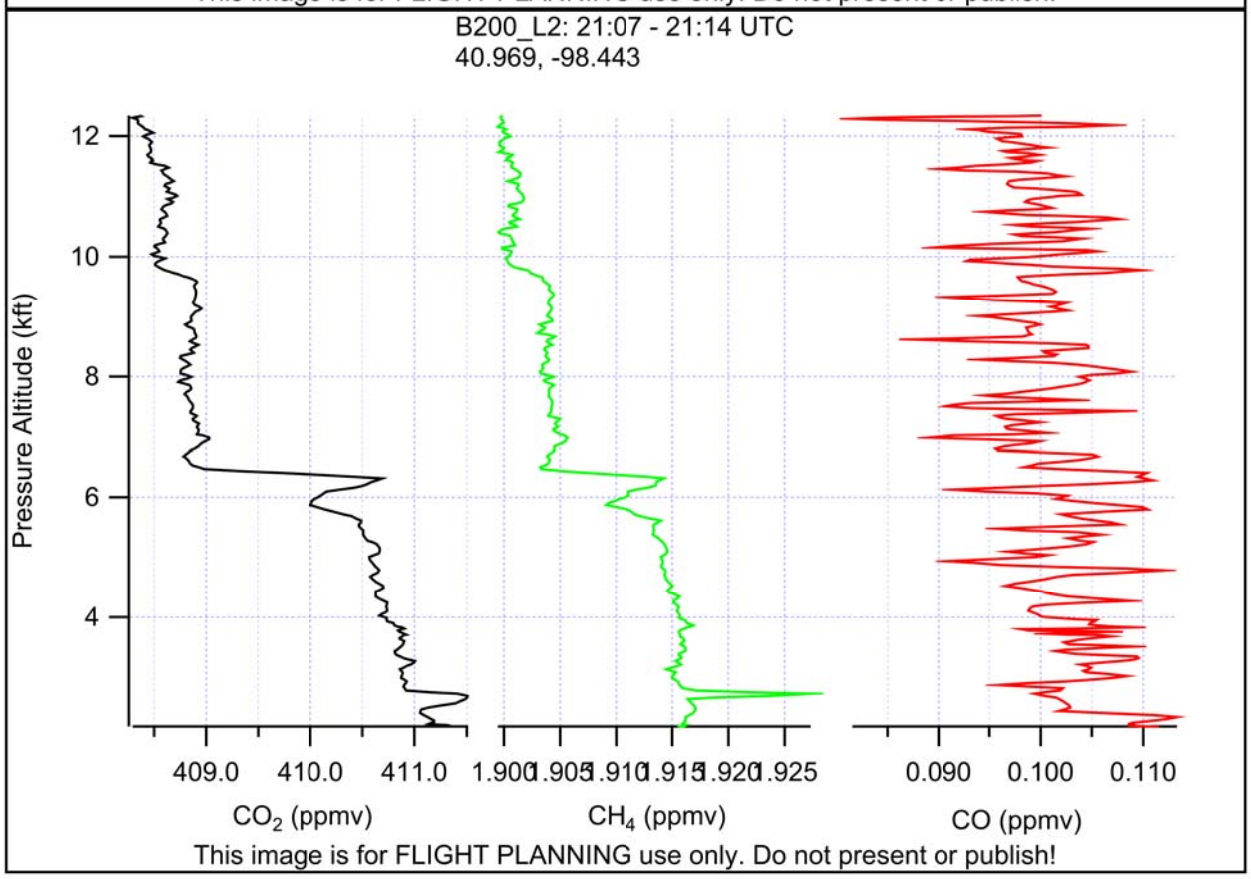

B200_L1: 18:11 - 18:17 UTC
40.426, -92.798
Pressure Altitude (kft)
6
5
4
3
409 410 411 412
CO2 (ppmv)
1.90 1.92 1.94
CH4 (ppmv)
0.09 0.10 0.11 0.12 0.13
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

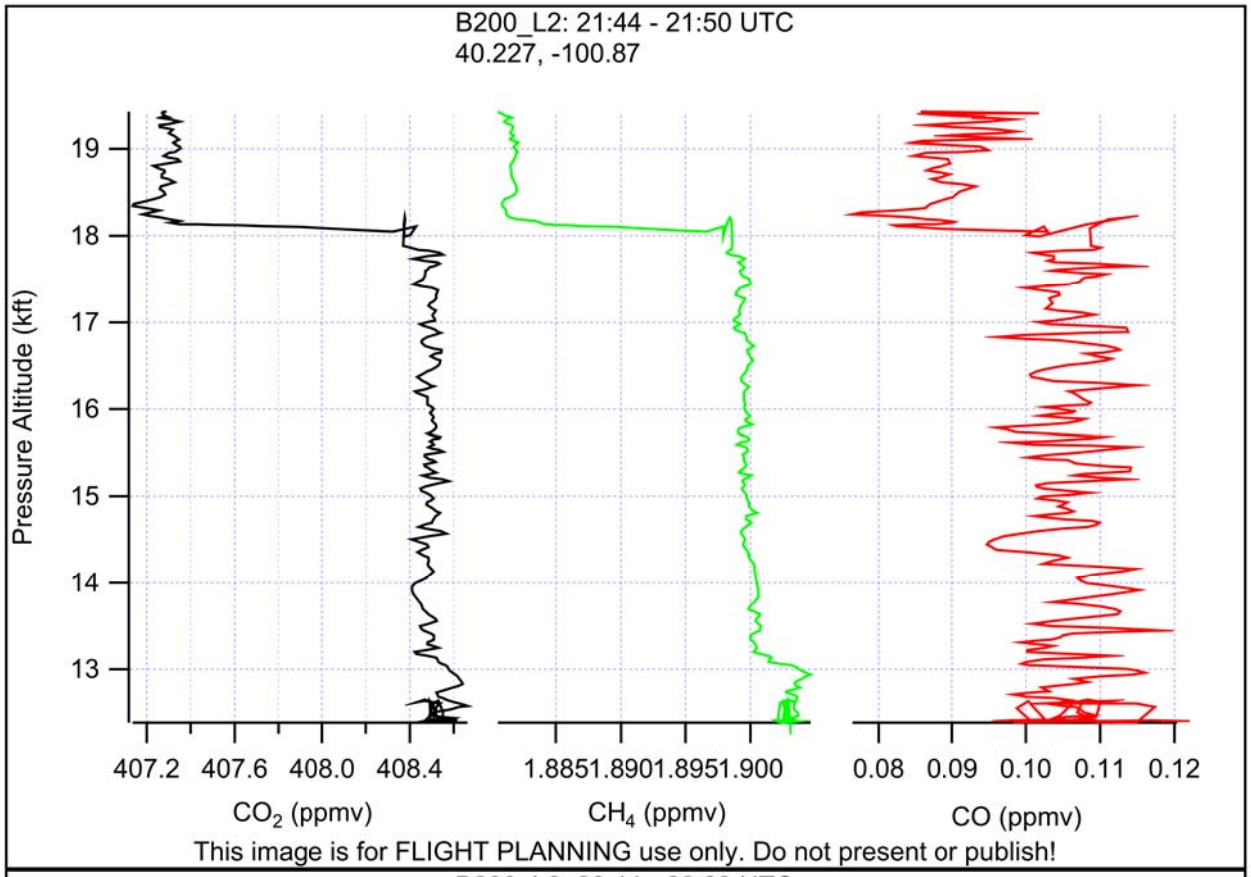

B200_L1: 18:23 - 18:26 UTC
40.556, -93.454
Pressure Altitude (kft)
3.2
3.0
2.8
2.6
2.4
414.6 414.8 415.0 415.2 415.4
CO2 (ppmv)
1.967 1.968 1.969 1.970 1.971
CH4 (ppmv)
0.125 0.130 0.135 0.140 0.145
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

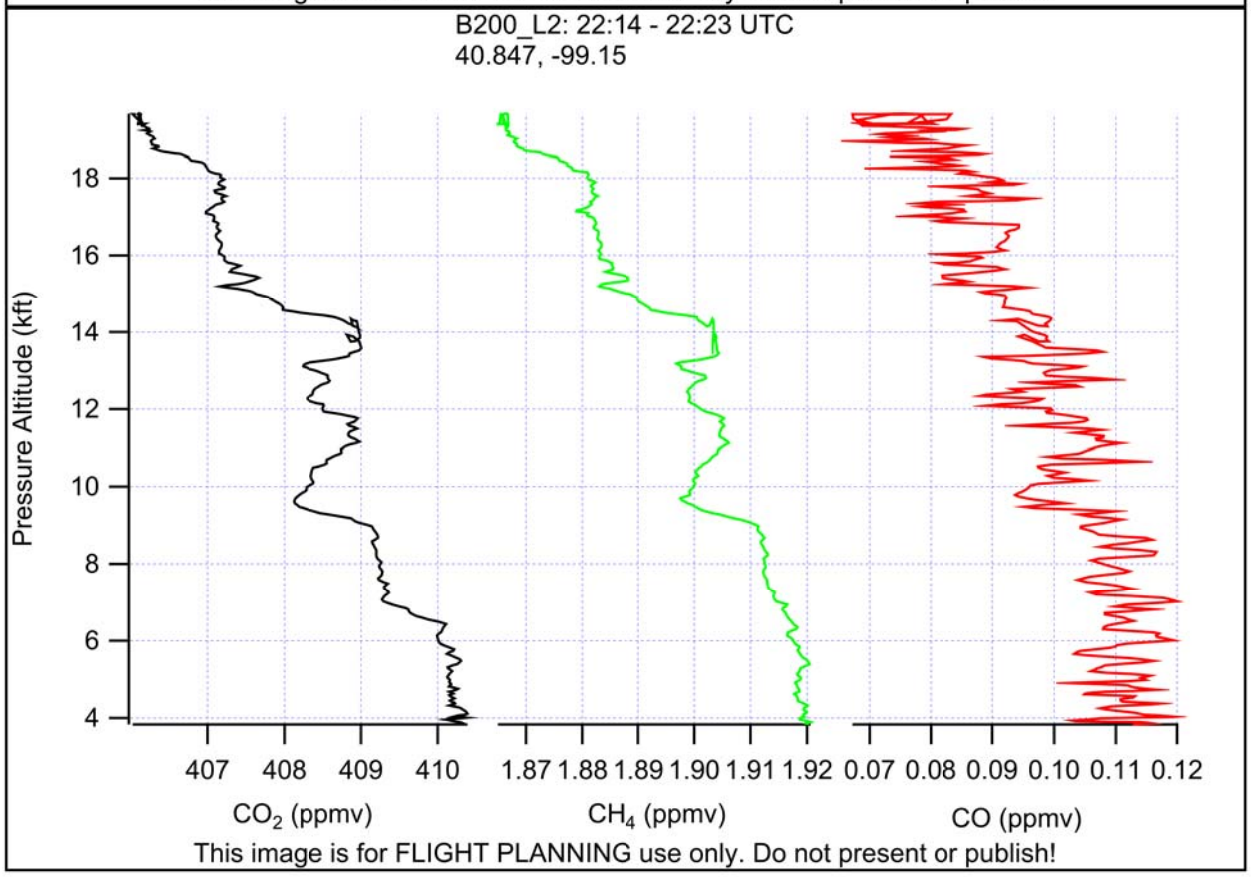

B200_L1: 18:54 - 18:57 UTC
40.849, -95.478
Pressure Altitude (kft)
3.6
3.4
3.2
3.0
2.8
2.6
411 412 413 414
CO2 (ppmv)
1.928 1.932 1.936 1.940
CH4 (ppmv)
0.100 0.105 0.110 0.115 0.120
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

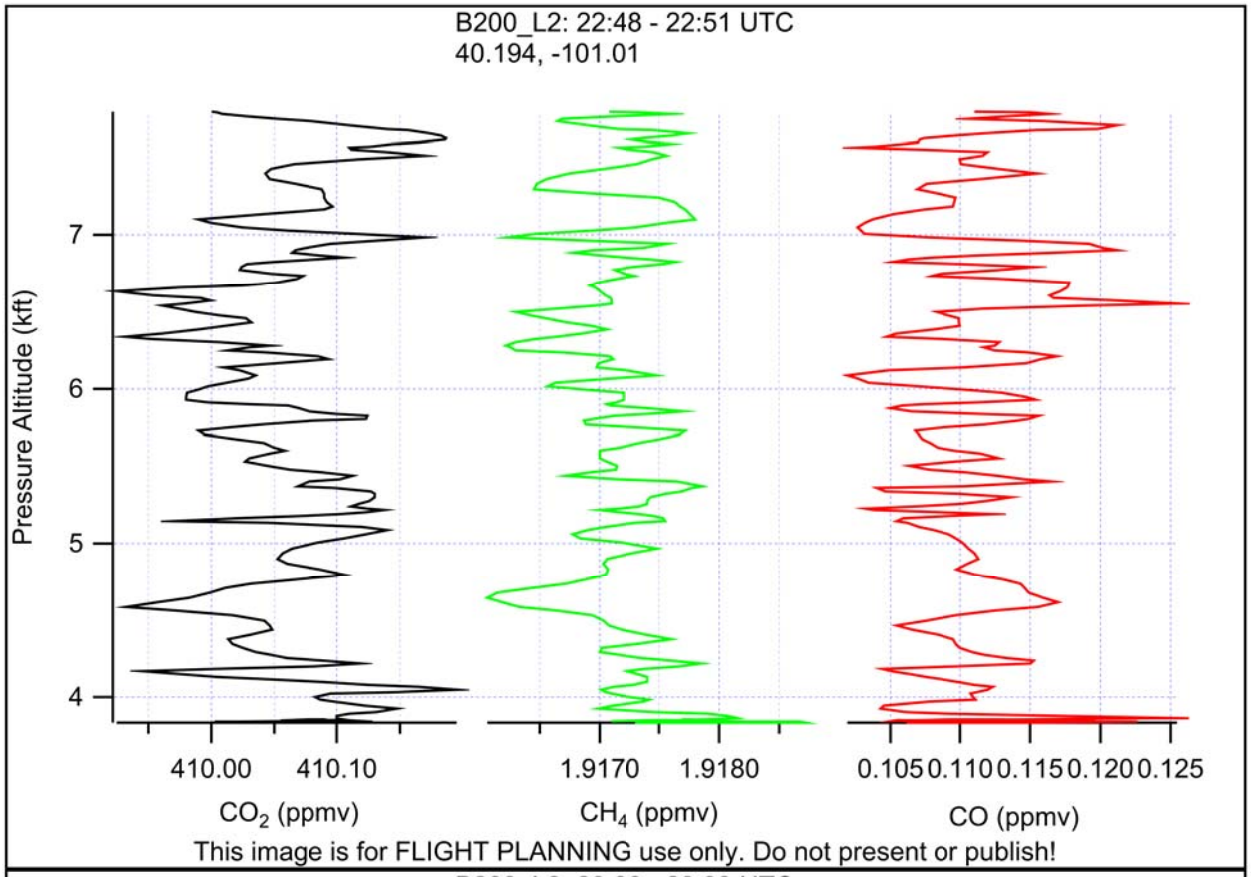

B200_L1: 19:46 - 19:50 UTC
40.868, -98.977
Pressure Altitude (kft)
5.5
5.0
4.5
4.0
409.6 410.0 410.4
CO2 (ppmv)
1.906 1.908 1.910 1.912
CH4 (ppmv)
0.090 0.095 0.100 0.105 0.110 0.115
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

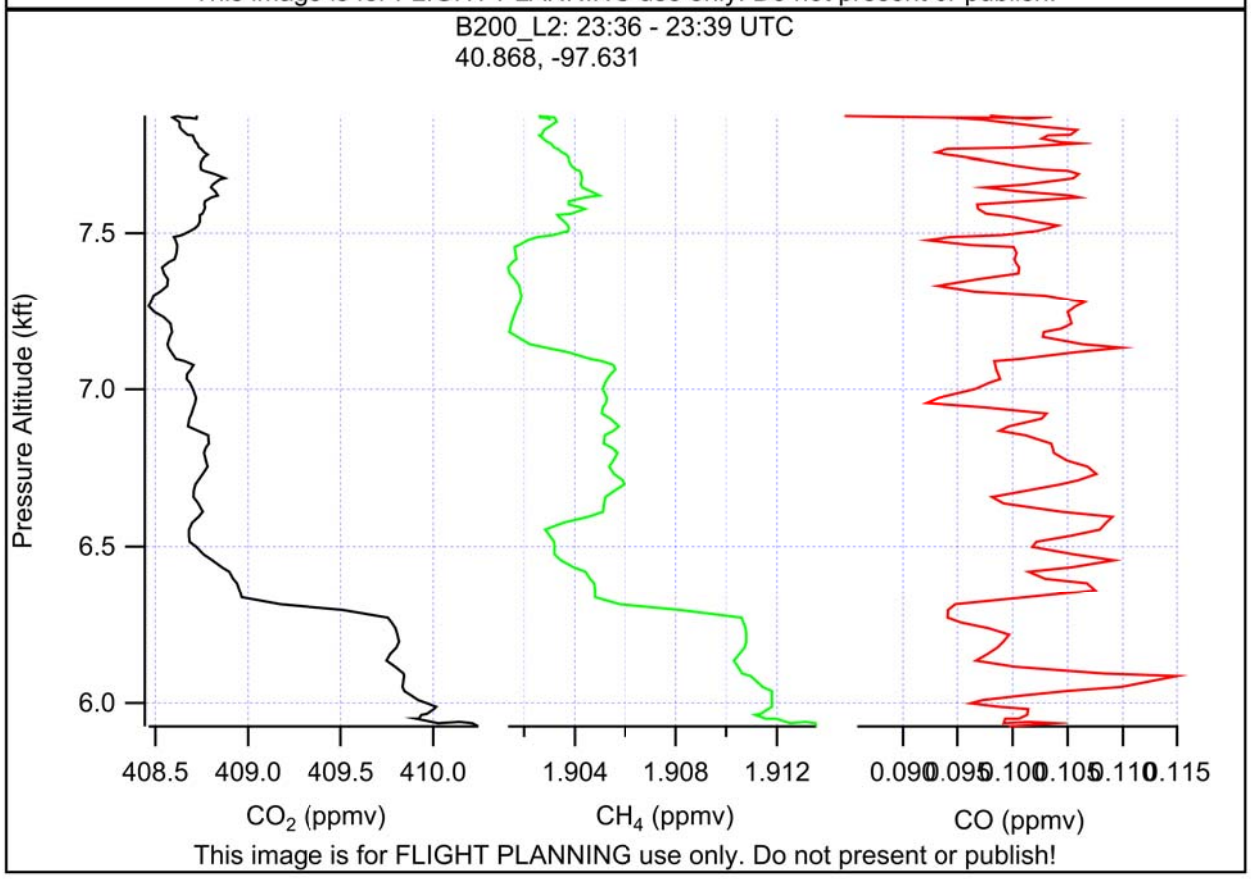

B200_L1: 19:55 - 20:00 UTC
40.918, -98.408
Pressure Altitude (kft)
5.5
5.0
4.5
4.0
3.5
3.0
2.5
409 410 411 412 413
CO2 (ppmv)
1.910 1.920 1.930 1.940
CH4 (ppmv)
0.090 0.095 0.100 0.105 0.110
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

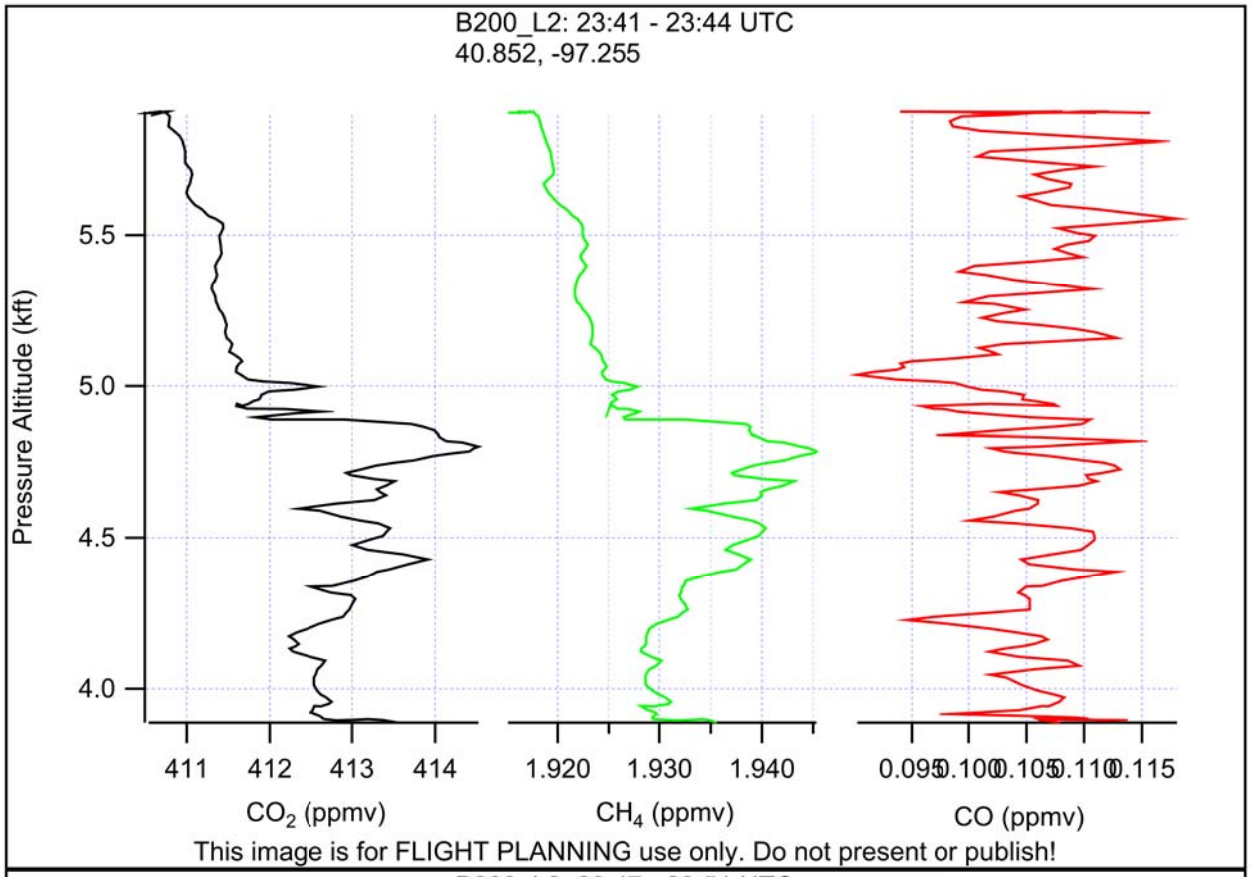

B200_L2: 21:07 - 21:14 UTC
40.969, -98.443
Pressure Altitude (kft)
12
10
8
6
4
409.0 410.0 411.0
CO2 (ppmv)
1.900 1.905 1.910 1.915 1.920 1.925
CH4 (ppmv)
0.090 0.100 0.110
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

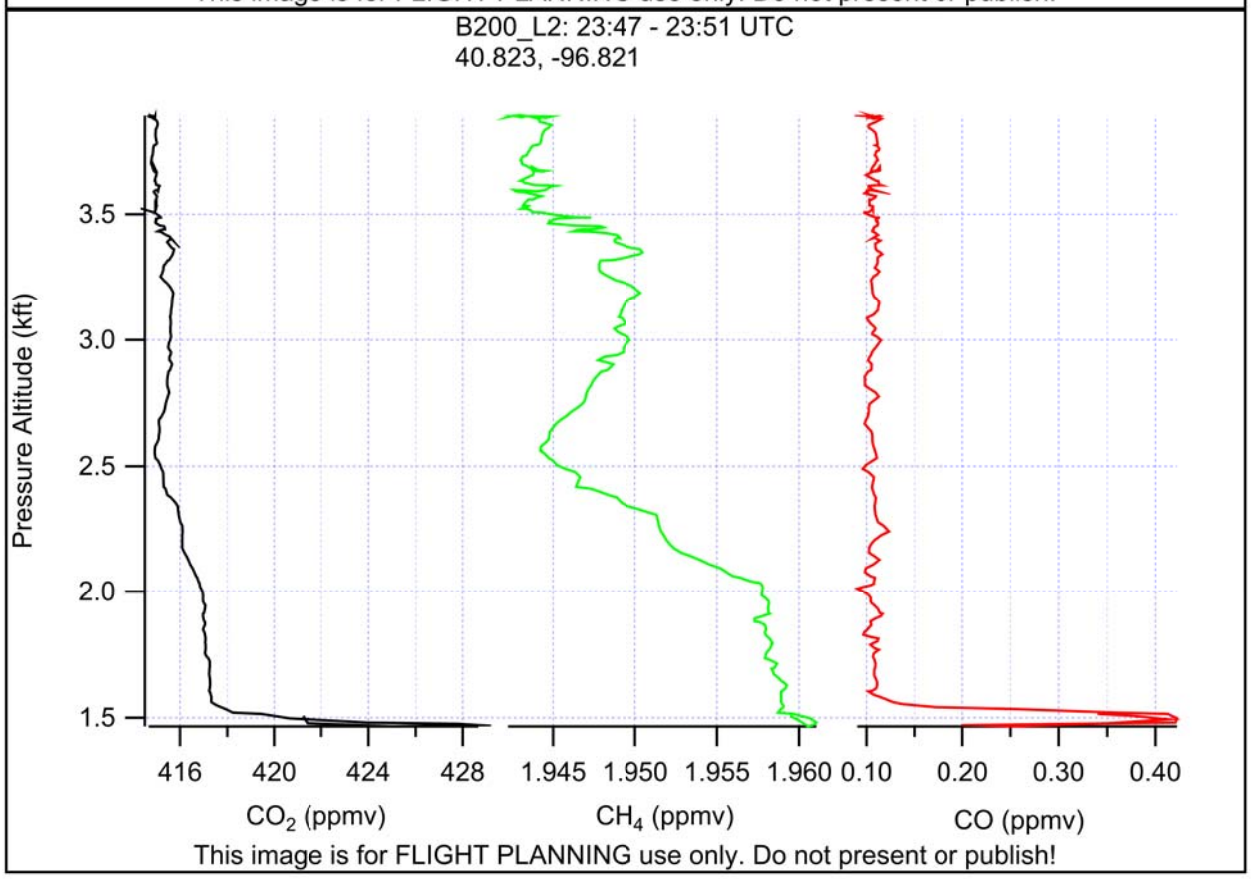

B200_L2: 21:44 - 21:50 UTC
40.227, -100.87
Pressure Altitude (kft)
19
18
17
16
15
14
13
407.2 407.6 408.0 408.4
CO2 (ppmv)
1.885 1.890 1.895 1.900
CH4 (ppmv)
0.08 0.09 0.10 0.11 0.12
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

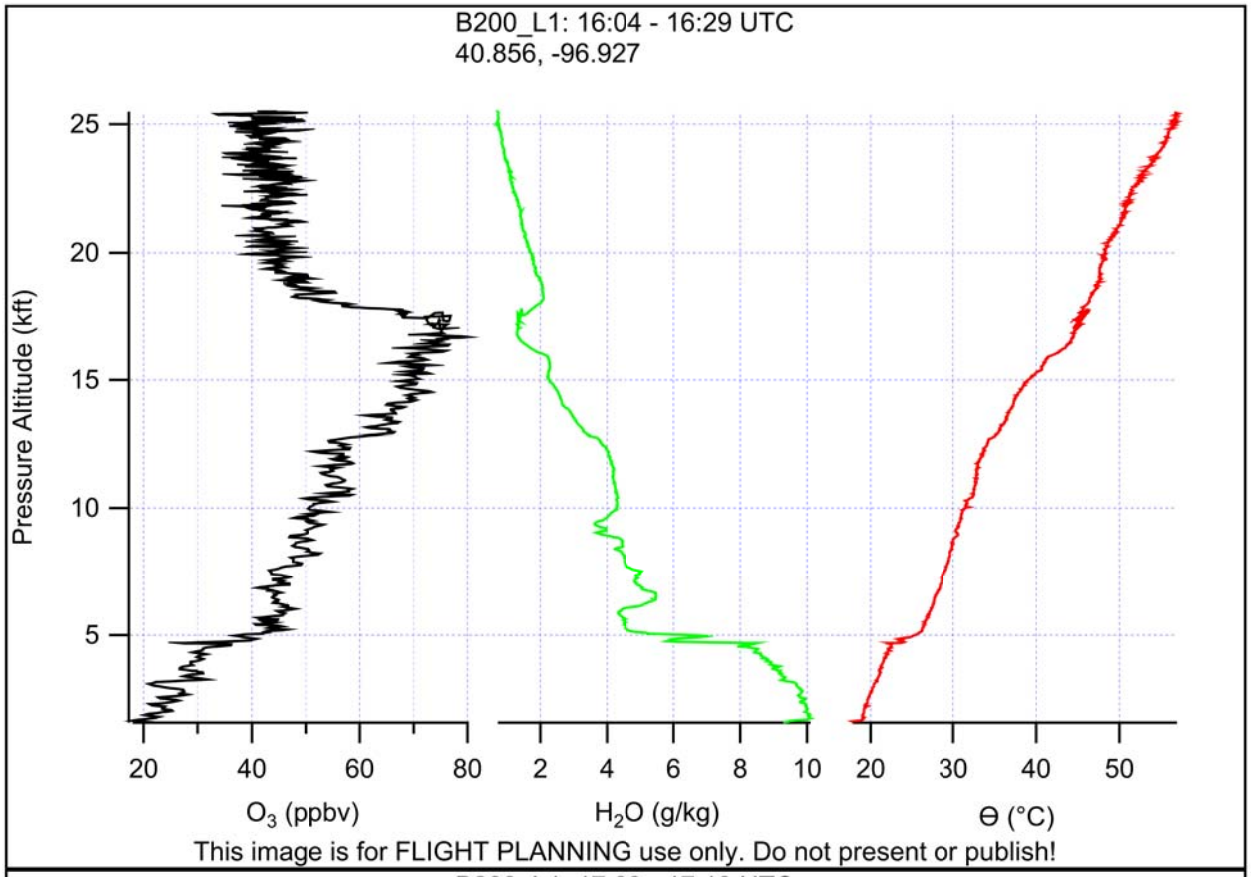

B200_L2: 22:14 - 22:23 UTC
40.847, -99.15
Pressure Altitude (kft)
18
16
14
12
10
8
6
4
407 408 409 410
CO2 (ppmv)
1.87 1.88 1.89 1.90 1.91 1.92
CH4 (ppmv)
0.07 0.08 0.09 0.10 0.11 0.12
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

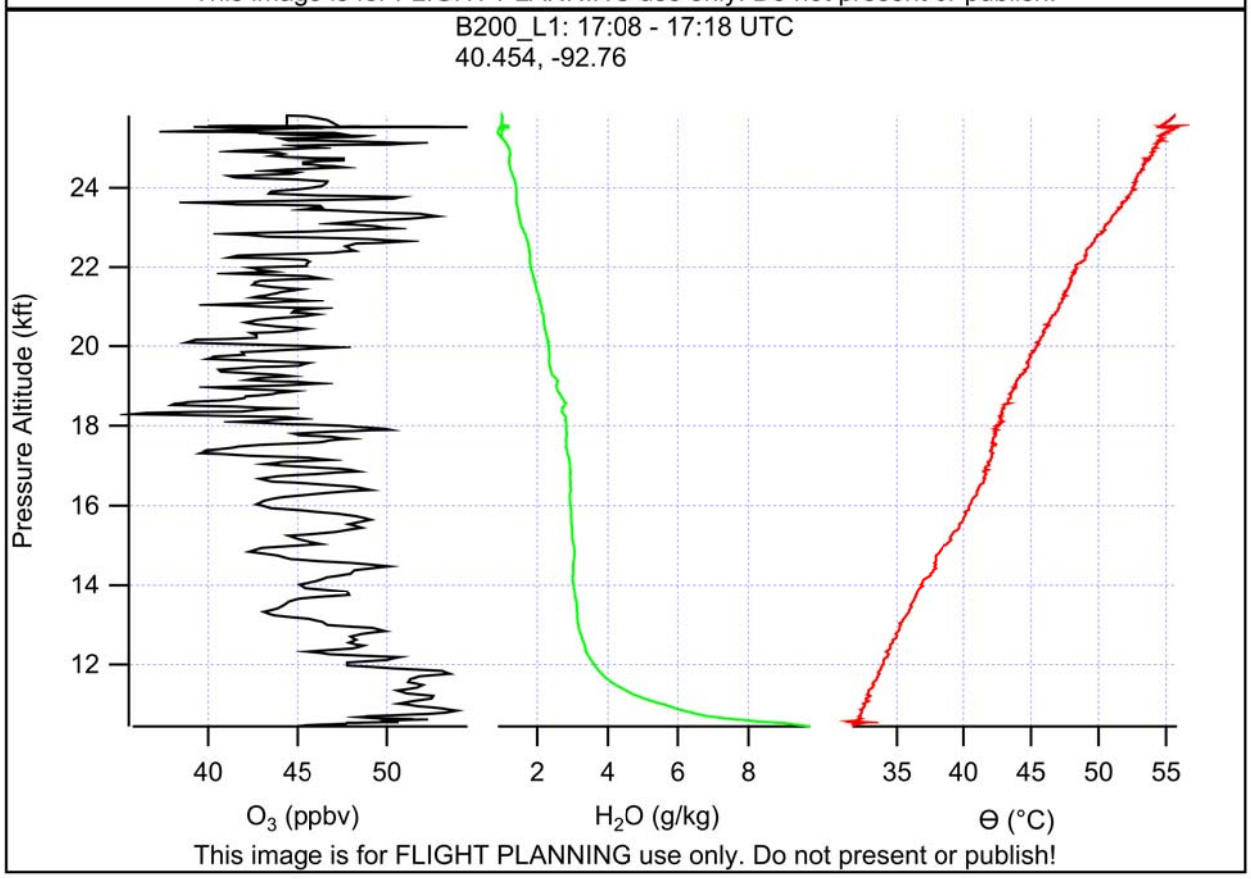

B200_L2: 22:48 - 22:51 UTC
40.194, -101.01
Pressure Altitude (kft)
7
6
5
4
410.00
410.10
CO2 (ppmv)
1.9170
1.9180
CH4 (ppmv)
0.105
0.110
0.115
0.120
0.125
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

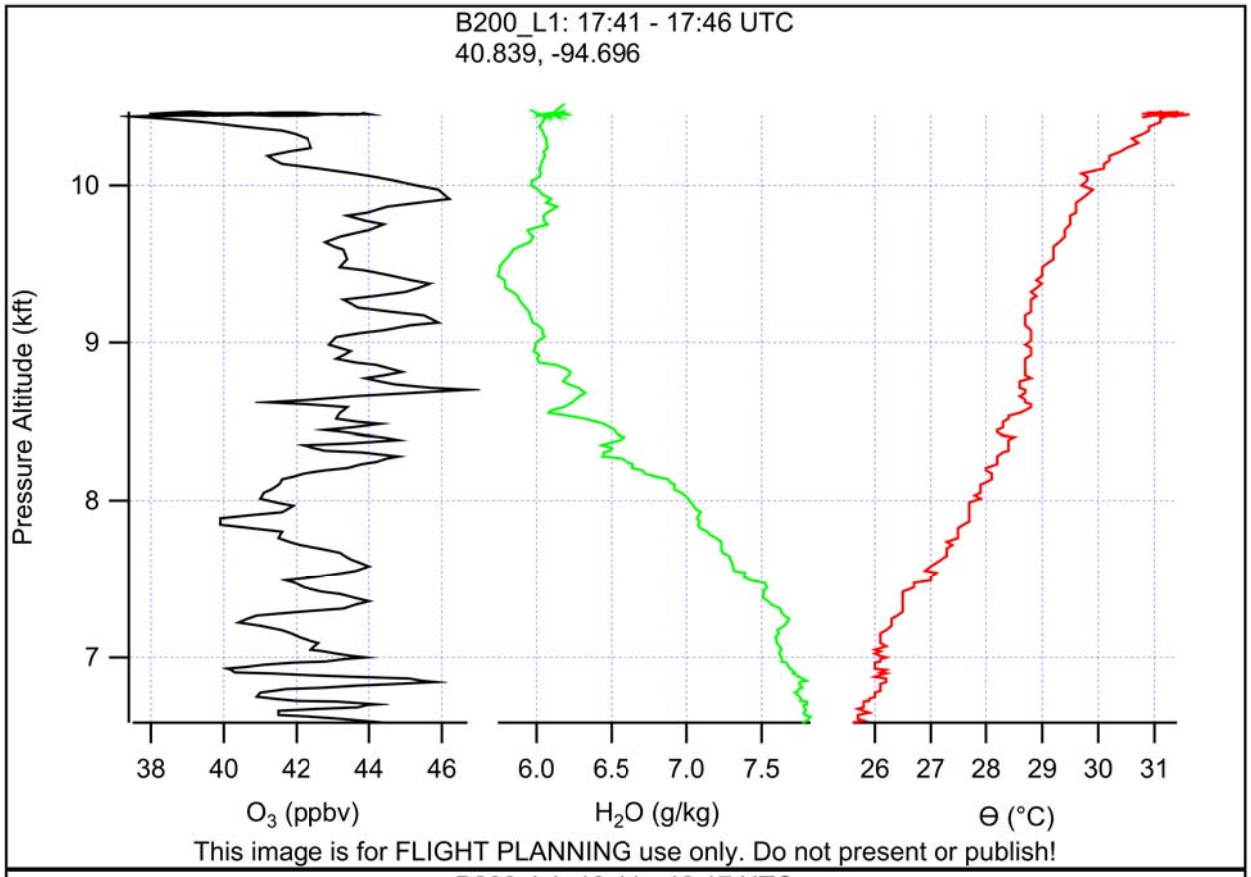

B200_L2: 23:36 - 23:39 UTC
40.868, -97.631
Pressure Altitude (kft)
7.5
7.0
6.5
6.0
408.5
409.0
409.5
410.0
CO2 (ppmv)
1.904
1.908
1.912
CH4 (ppmv)
0.090
0.095
0.100
0.105
0.110
0.115
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L2: 23:41 - 23:44 UTC
40.852, -97.255
Pressure Altitude (kft)
5.5
5.0
4.5
4.0
411
412
413
414
CO2 (ppmv)
1.920
1.930
1.940
CH4 (ppmv)
0.095
0.100
0.105
0.110
0.115
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L2: 23:47 - 23:51 UTC
40.823, -96.821
Pressure Altitude (kft)
3.5
3.0
2.5
2.0
1.5
416
420
424
428
CO2 (ppmv)
1.945
1.950
1.955
1.960
CH4 (ppmv)
0.10
0.20
0.30
0.40
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L1: 16:04 - 16:29 UTC
40.856, -96.927
Pressure Altitude (kft)
25
20
15
10
5
20
40
60
80
2
4
6
8
10
20
30
40
50
O3 (ppbv)
H2O (g/kg)
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L1: 17:08 - 17:18 UTC
40.454, -92.76
Pressure Altitude (kft)
24
22
20
18
16
14
12
40
45
50
2
4
6
8
35
40
45
50
55
O3 (ppbv)
H2O (g/kg)
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L1: 17:41 - 17:46 UTC
40.839, -94.696
Pressure Altitude (kft)
10
9
8
7
38 40 42 44 46
O3 (ppbv)
6.0 6.5 7.0 7.5
H2O (g/kg)
26 27 28 29 30 31
Θ (°C)
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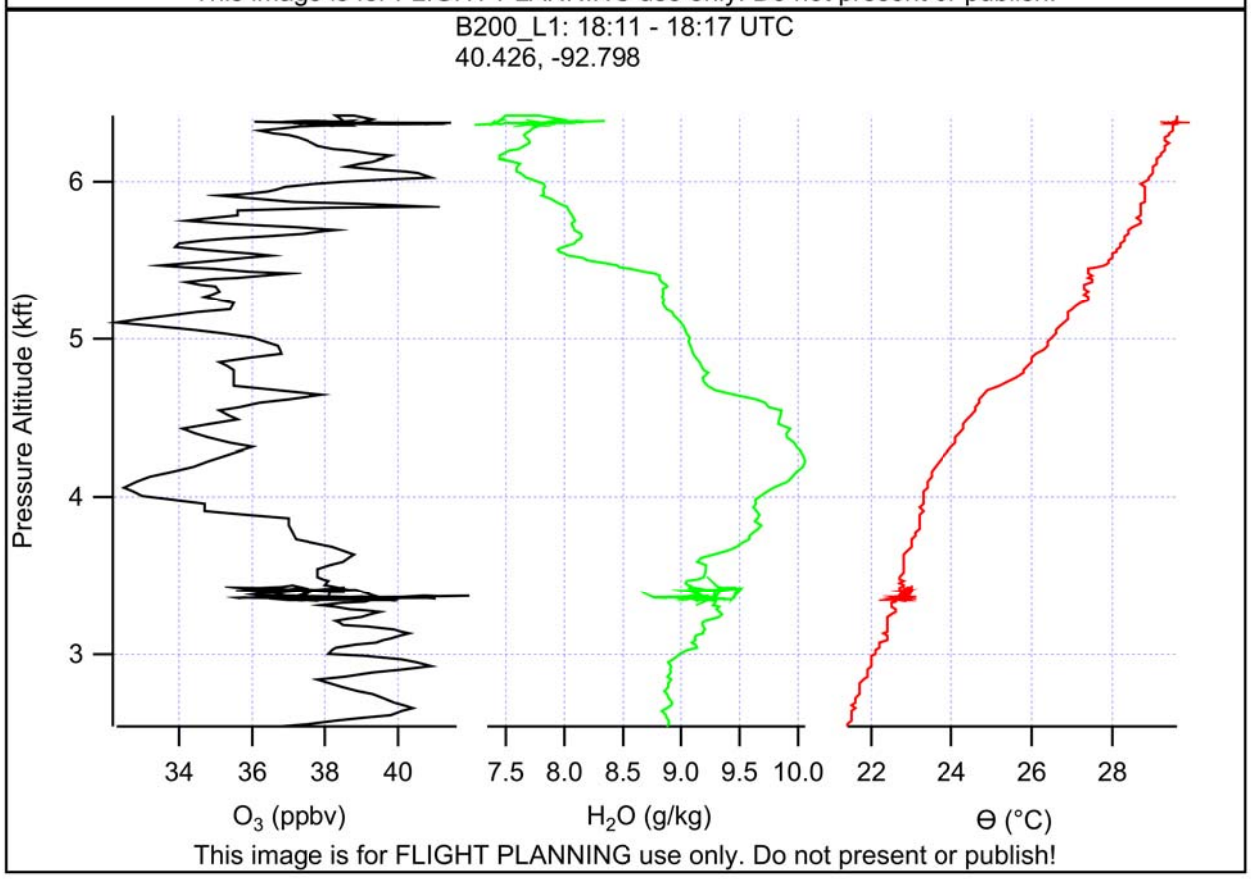
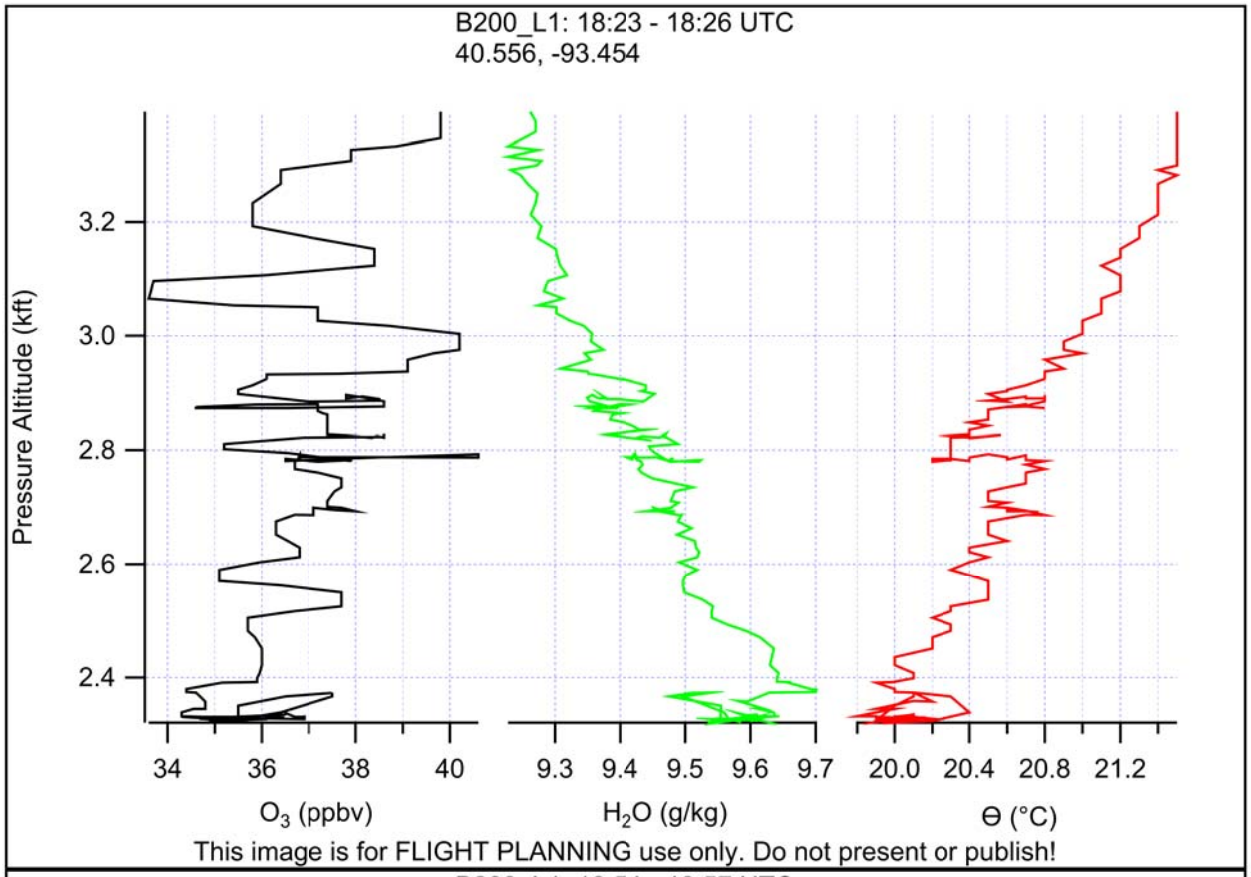
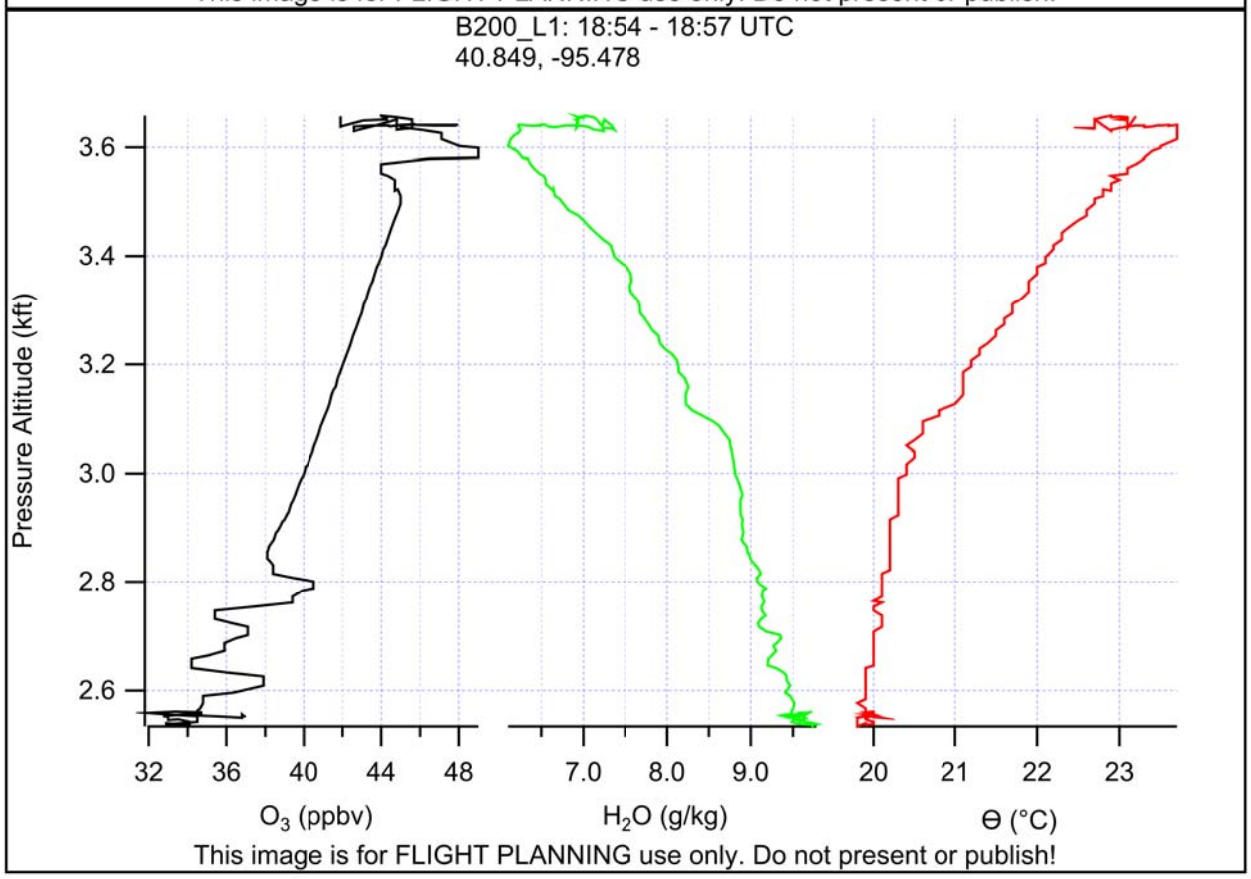
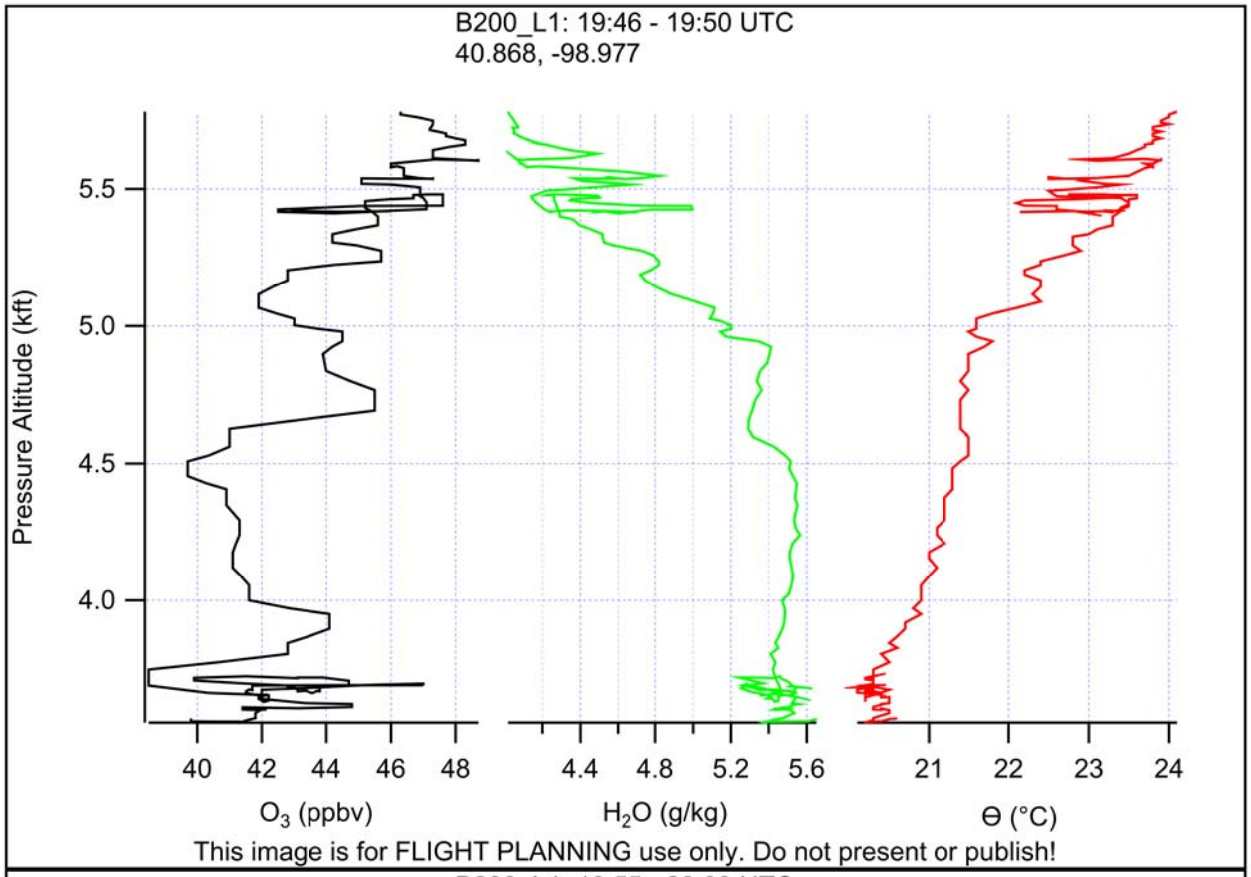

B200_L1: 18:11 - 18:17 UTC
40.426, -92.798
Pressure Altitude (kft)
6
5
4
3
34 36 38 40
O3 (ppbv)
7.5 8.0 8.5 9.0 9.5 10.0
H2O (g/kg)
22 24 26 28
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L1: 18:23 - 18:26 UTC
40.556, -93.454
Pressure Altitude (kft)
3.2
3.0
2.8
2.6
2.4
34
36
38
40
9.3
9.4
9.5
9.6
9.7
20.0
20.4
20.8
21.2
O3 (ppbv)
H2O (g/kg)
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L1: 18:54 - 18:57 UTC
40.849, -95.478
Pressure Altitude (kft)
3.6
3.4
3.2
3.0
2.8
2.6
32
36
40
44
48
7.0
8.0
9.0
20
21
22
23
O3 (ppbv)
H2O (g/kg)
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L1: 19:46 - 19:50 UTC
40.868, -98.977
Pressure Altitude (kft)
5.5
5.0
4.5
4.0
40
42
44
46
48
O3 (ppbv)
4.4
4.8
5.2
5.6
H2O (g/kg)
21
22
23
24
Θ (°C)
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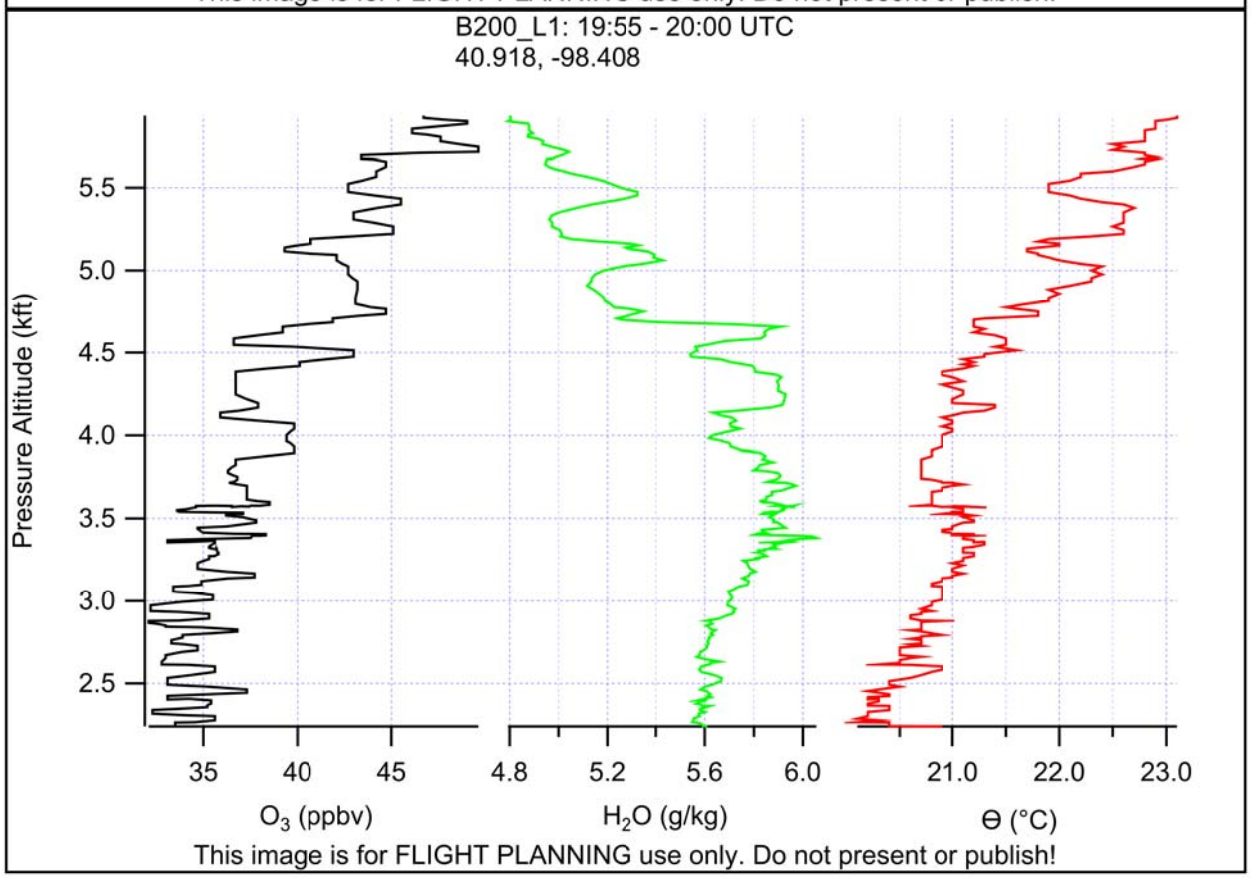
B200_L1: 19:55 - 20:00 UTC
40.918, -98.408
Pressure Altitude (kft)
5.5
5.0
4.5
4.0
3.5
3.0
2.5
35
40
45
O3 (ppbv)
4.8
5.2
5.6
6.0
H2O (g/kg)
21.0
22.0
23.0
Θ (°C)
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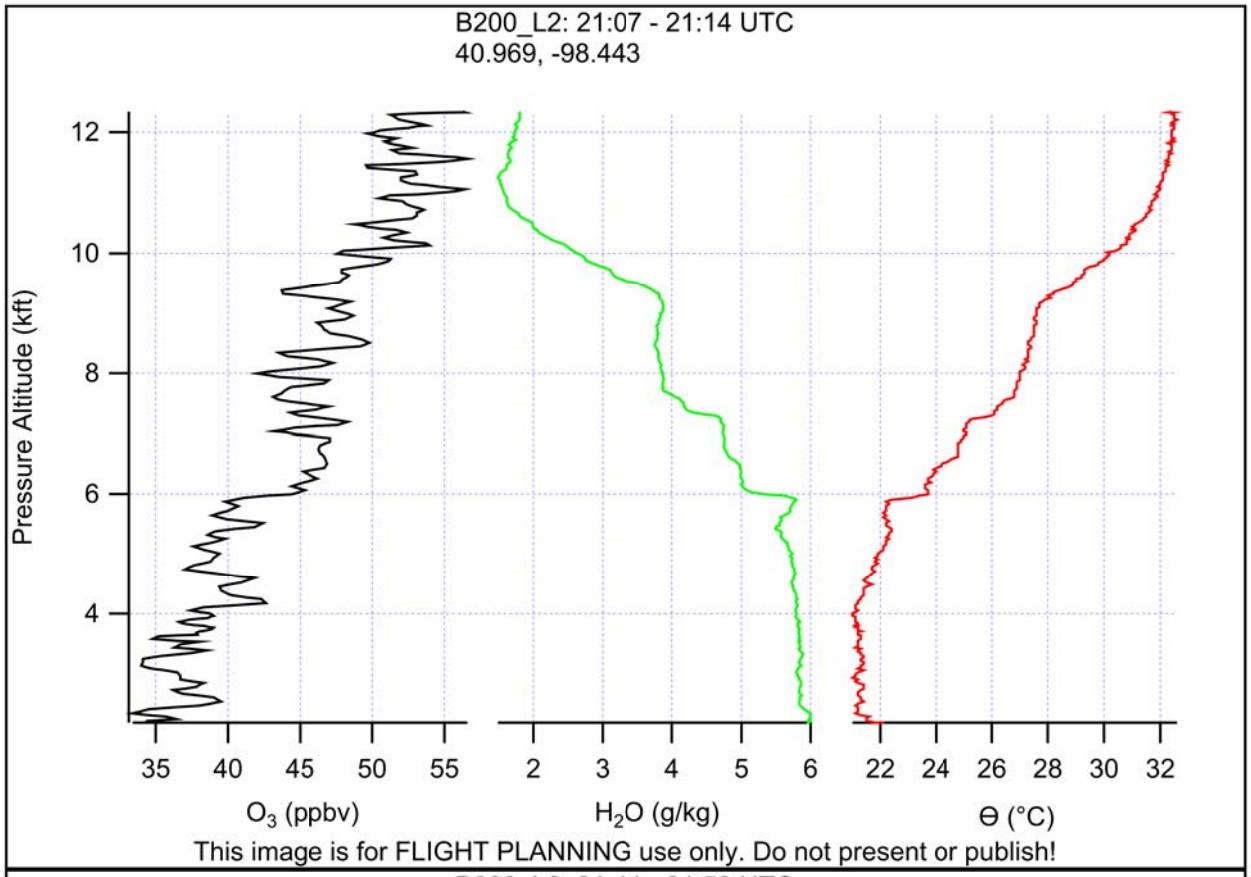
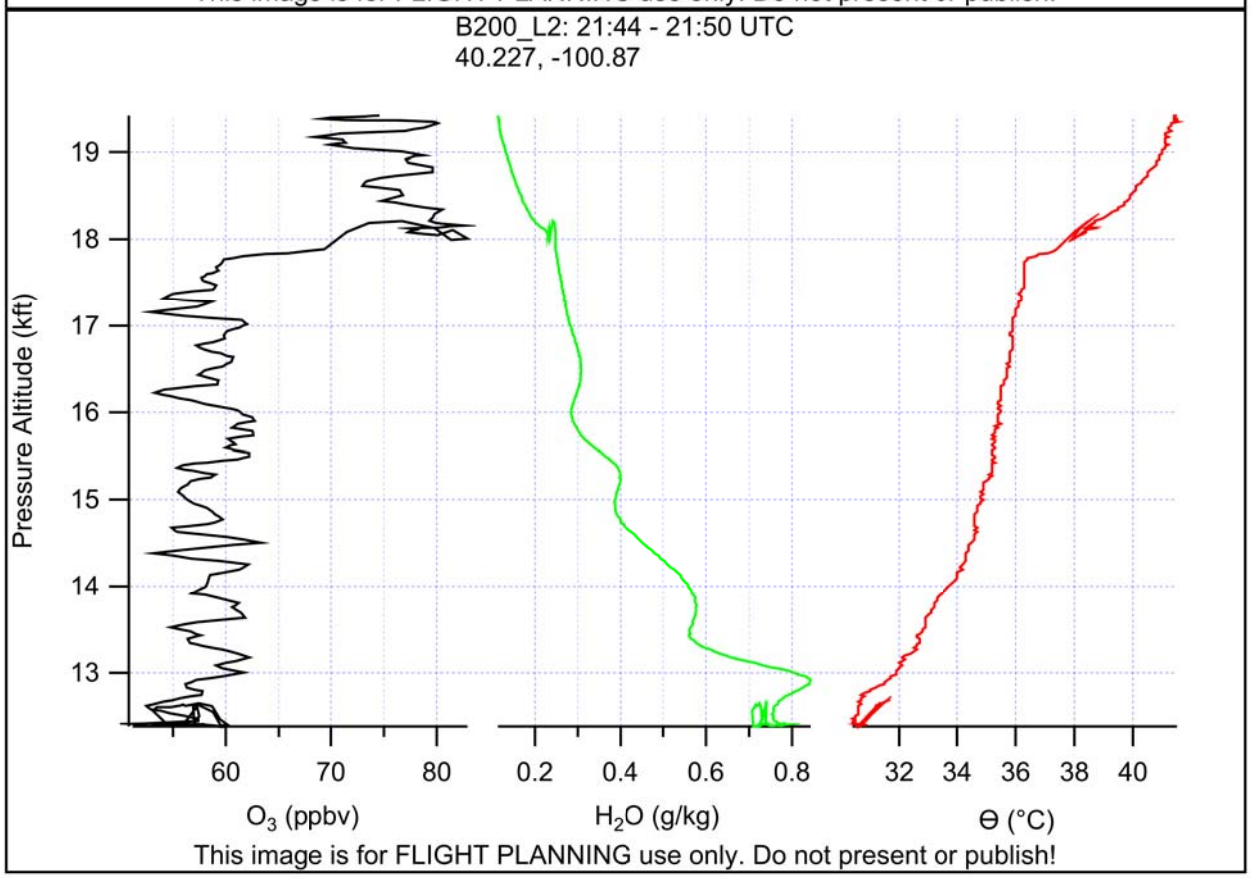
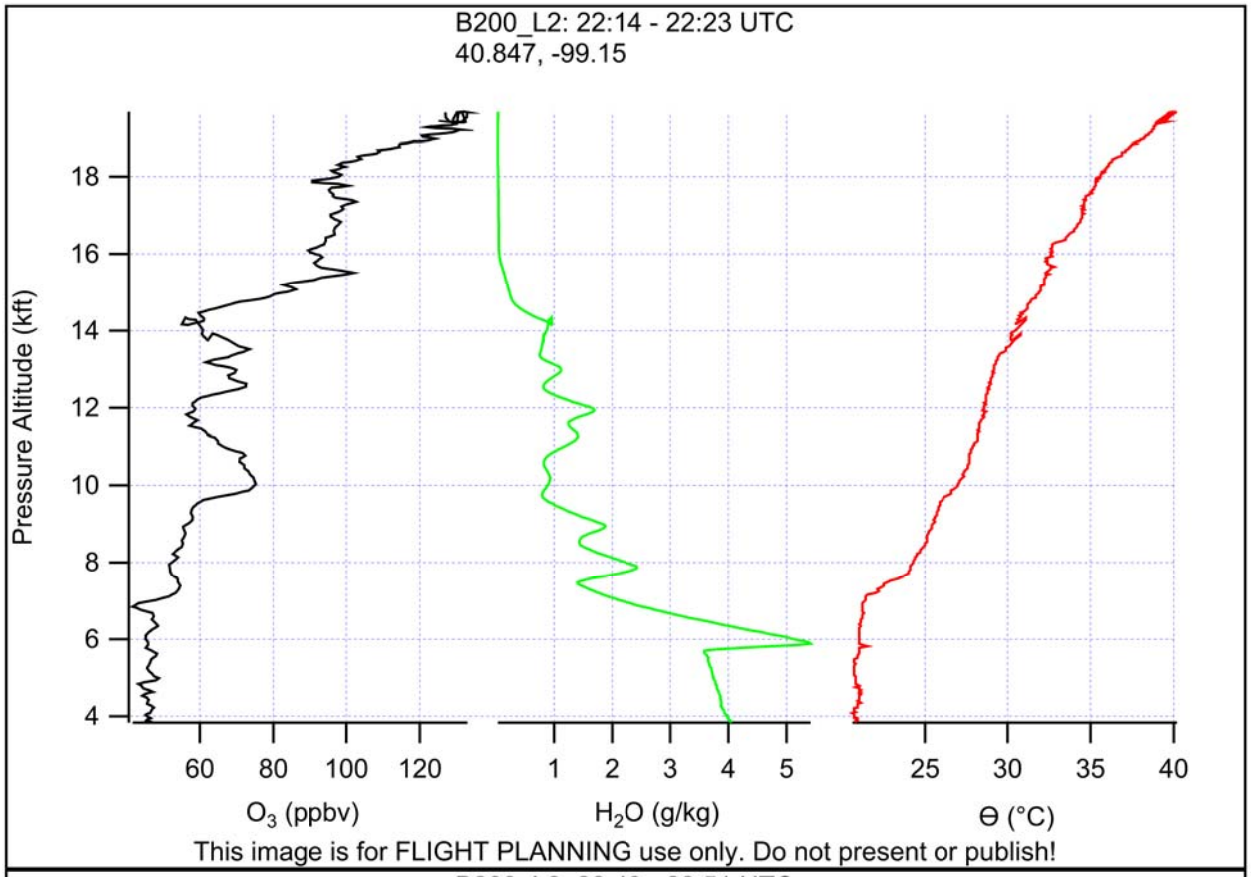

B200_L2: 21:07 - 21:14 UTC
40.969, -98.443
Pressure Altitude (kft)
12
10
8
6
4
35 40 45 50 55
O3 (ppbv)
2 3 4 5 6
H2O (g/kg)
22 24 26 28 30 32
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L2: 21:44 - 21:50 UTC
40.227, -100.87
Pressure Altitude (kft)
19
18
17
16
15
14
13
60 70 80
O3 (ppbv)
0.2 0.4 0.6 0.8
H2O (g/kg)
32 34 36 38 40
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L2: 22:14 - 22:23 UTC
40.847, -99.15
Pressure Altitude (kft)
18
16
14
12
10
8
6
4
60 80 100 120
O3 (ppbv)
1 2 3 4 5
H2O (g/kg)
25 30 35 40
Θ (°C)
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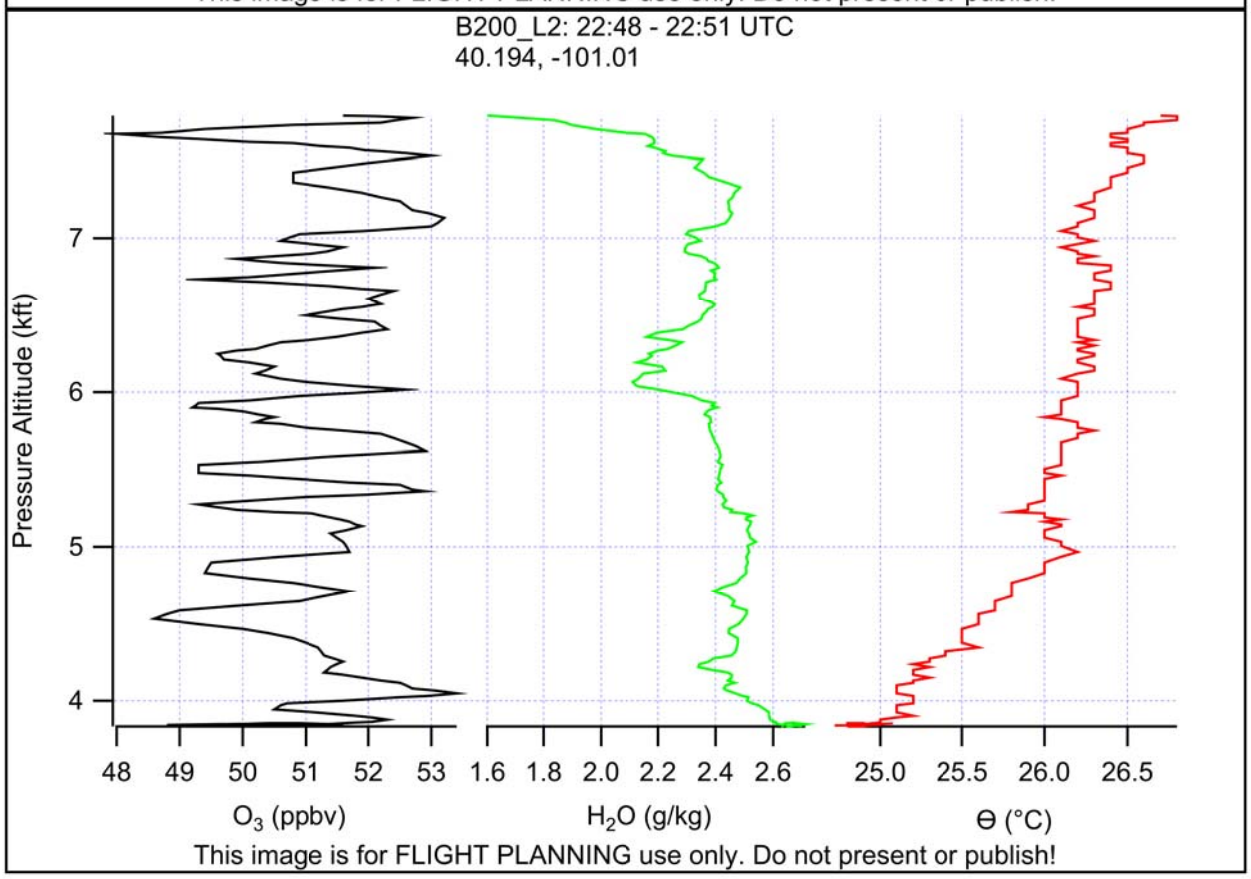
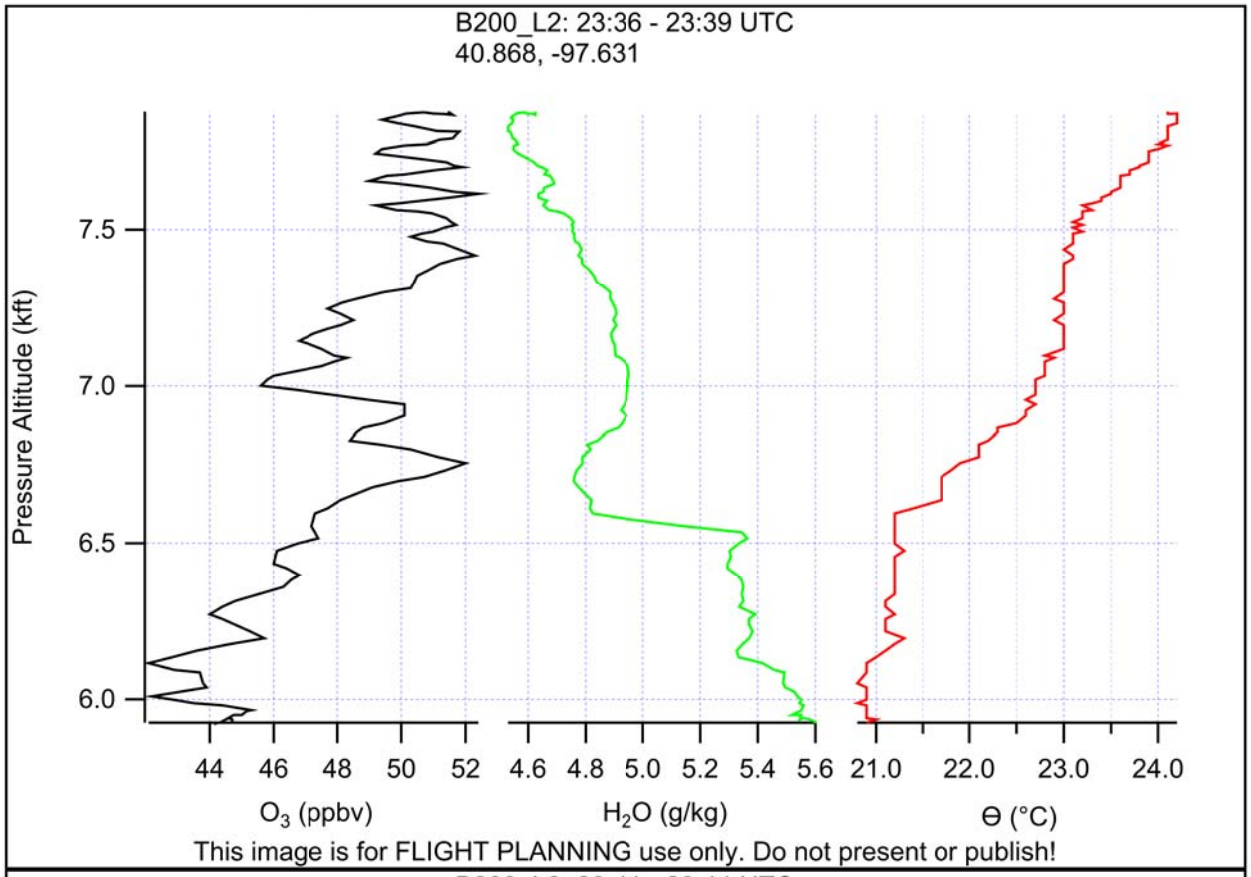

B200_L2: 22:48 - 22:51 UTC
40.194, -101.01
Pressure Altitude (kft)
7
6
5
4
48 49 50 51 52 53
O3 (ppbv)
1.6 1.8 2.0 2.2 2.4 2.6
H2O (g/kg)
25.0 25.5 26.0 26.5
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L2: 23:36 - 23:39 UTC
40.868, -97.631
Pressure Altitude (kft)
7.5
7.0
6.5
6.0
44 46 48 50 52
O3 (ppbv)
4.6 4.8 5.0 5.2 5.4 5.6
H2O (g/kg)
21.0 22.0 23.0 24.0
Θ (°C)
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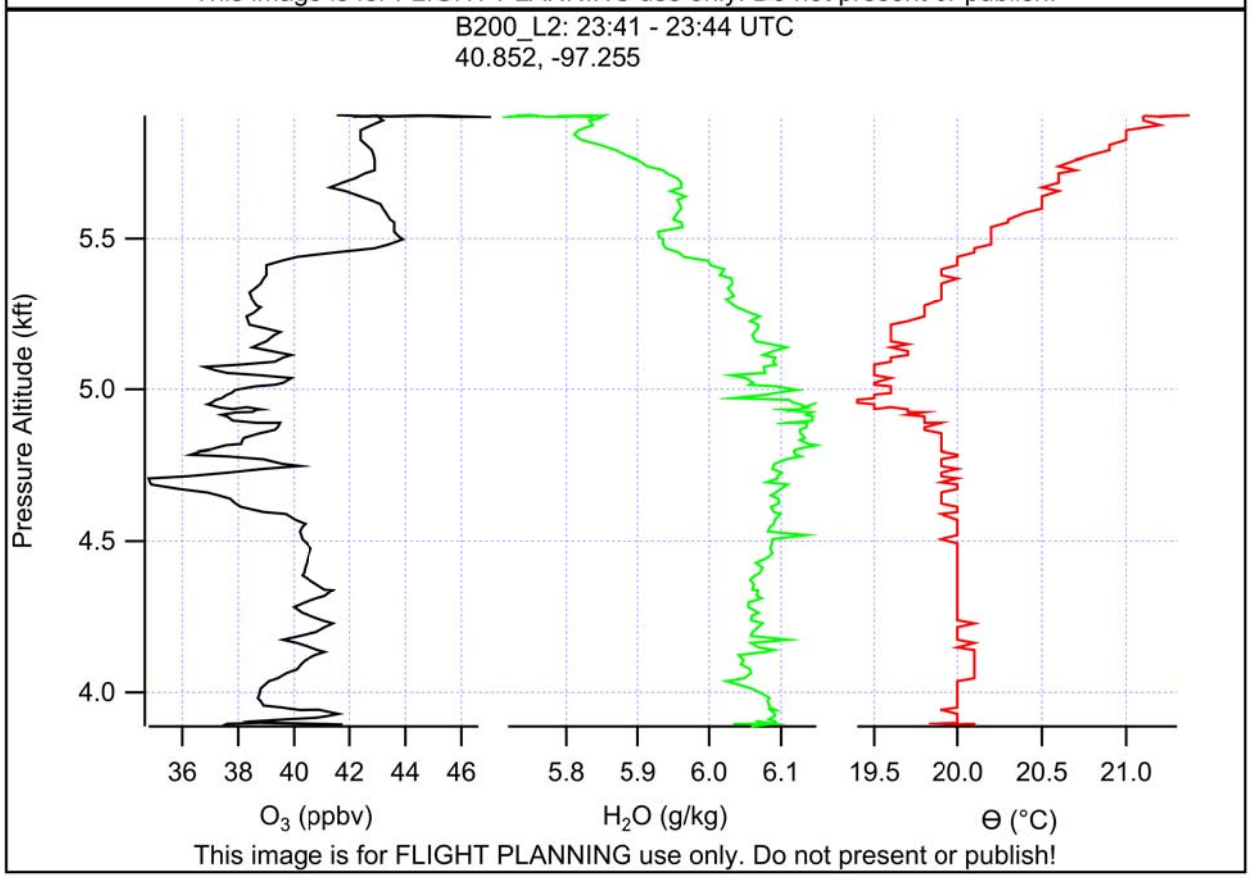
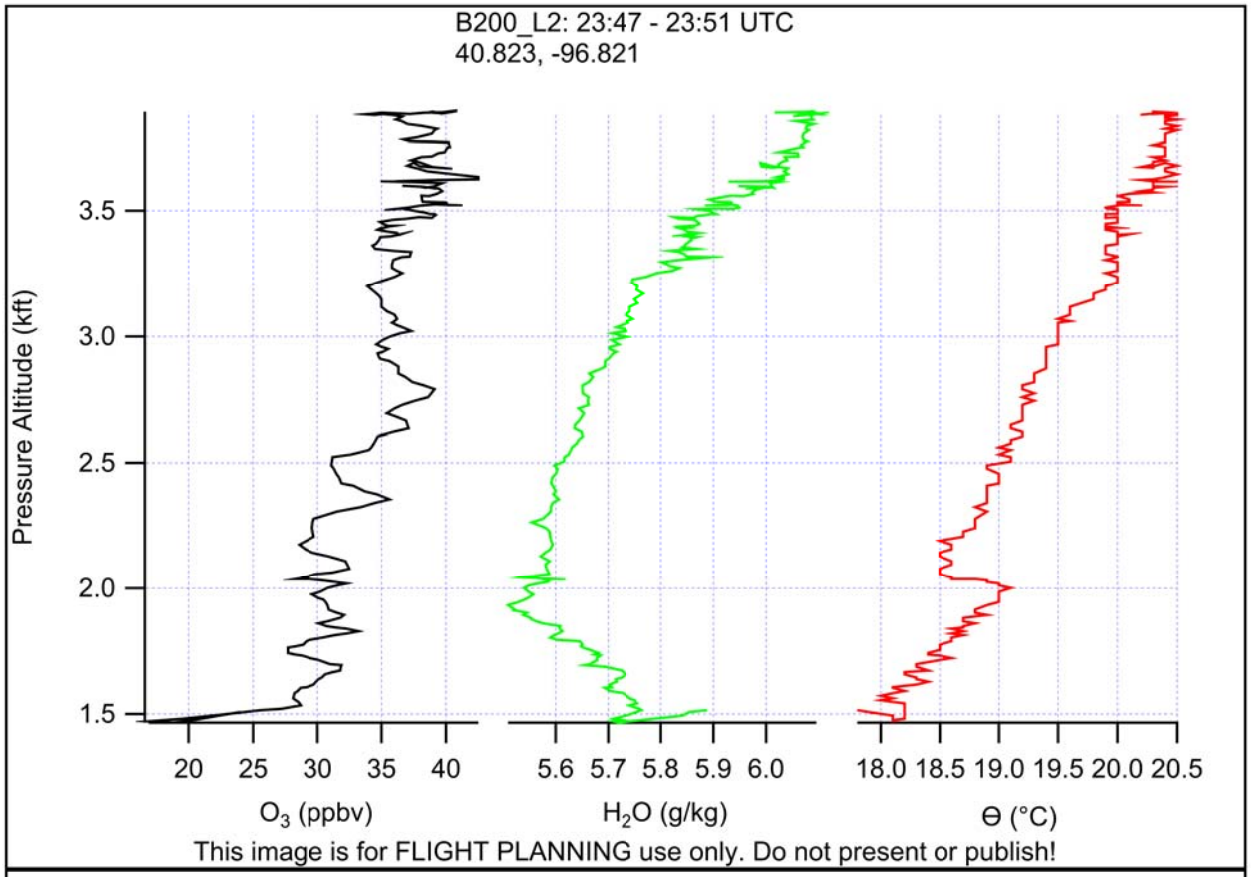

B200_L2: 23:41 - 23:44 UTC
40.852, -97.255
Pressure Altitude (kft)
5.5
5.0
4.5
4.0
36 38 40 42 44 46
O3 (ppbv)
5.8 5.9 6.0 6.1
H2O (g/kg)
19.5 20.0 20.5 21.0
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200_L2: 23:47 - 23:51 UTC
40.823, -96.821
Pressure Altitude (kft)
3.5
3.0
2.5
2.0
1.5
20 25 30 35 40
O3 (ppbv)
5.6 5.7 5.8 5.9 6.0
H2O (g/kg)
18.0 18.5 19.0 19.5 20.0 20.5
Θ (°C)
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