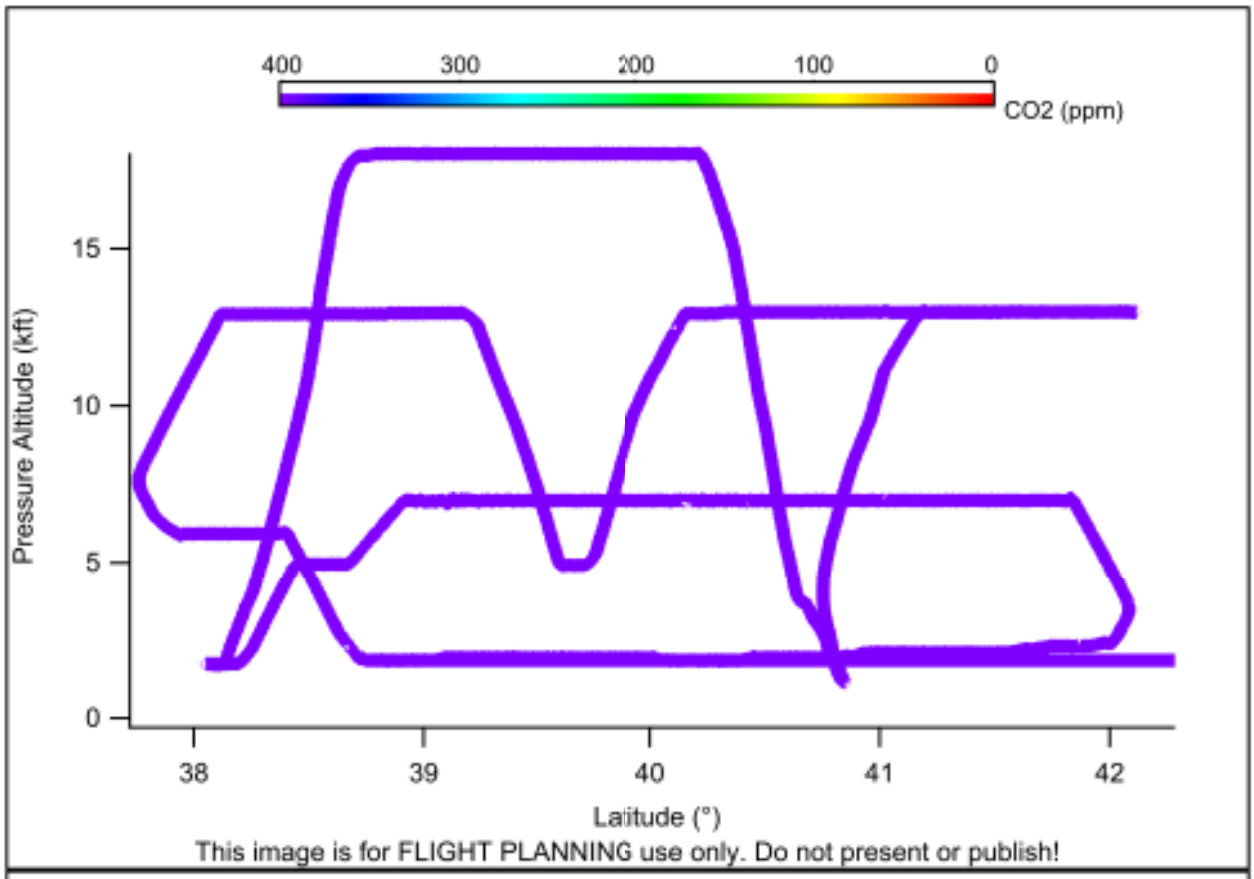
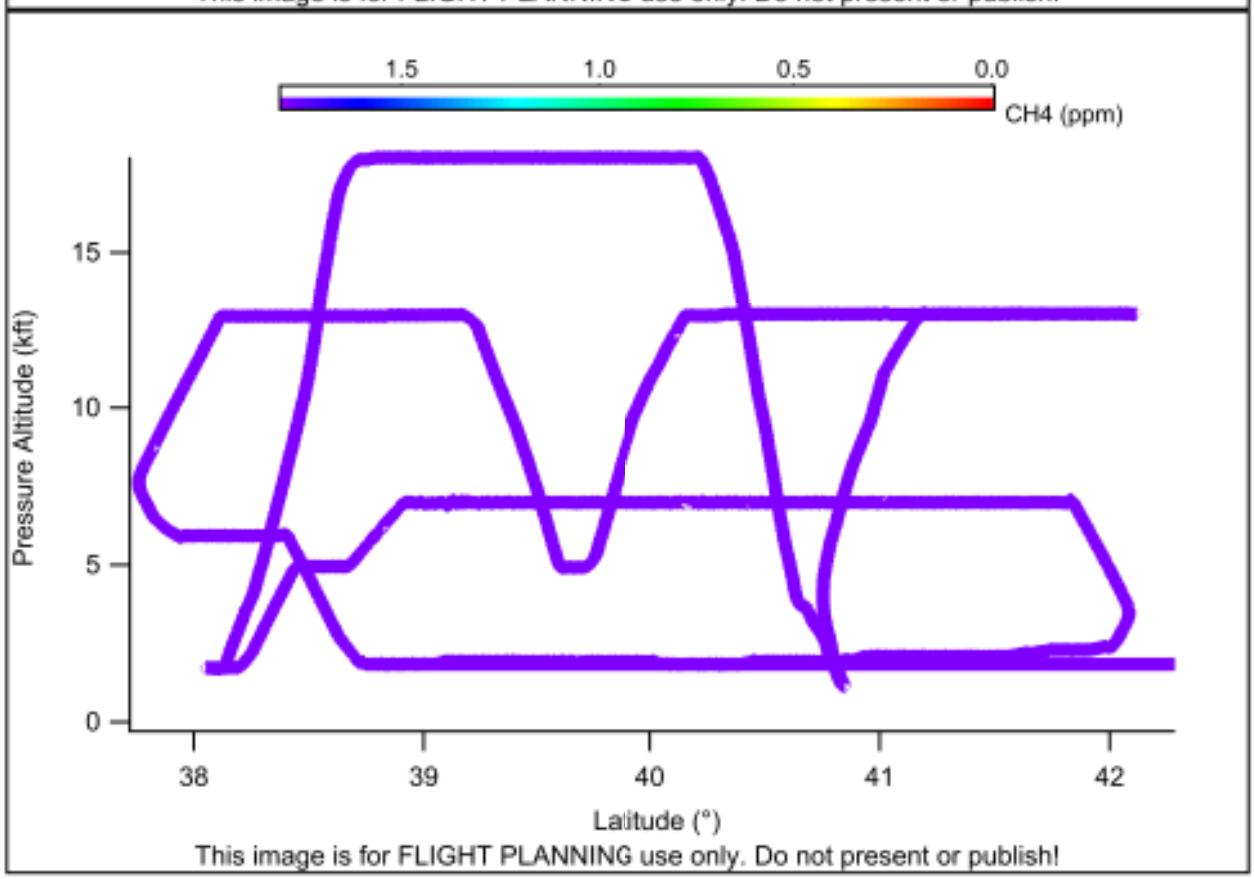
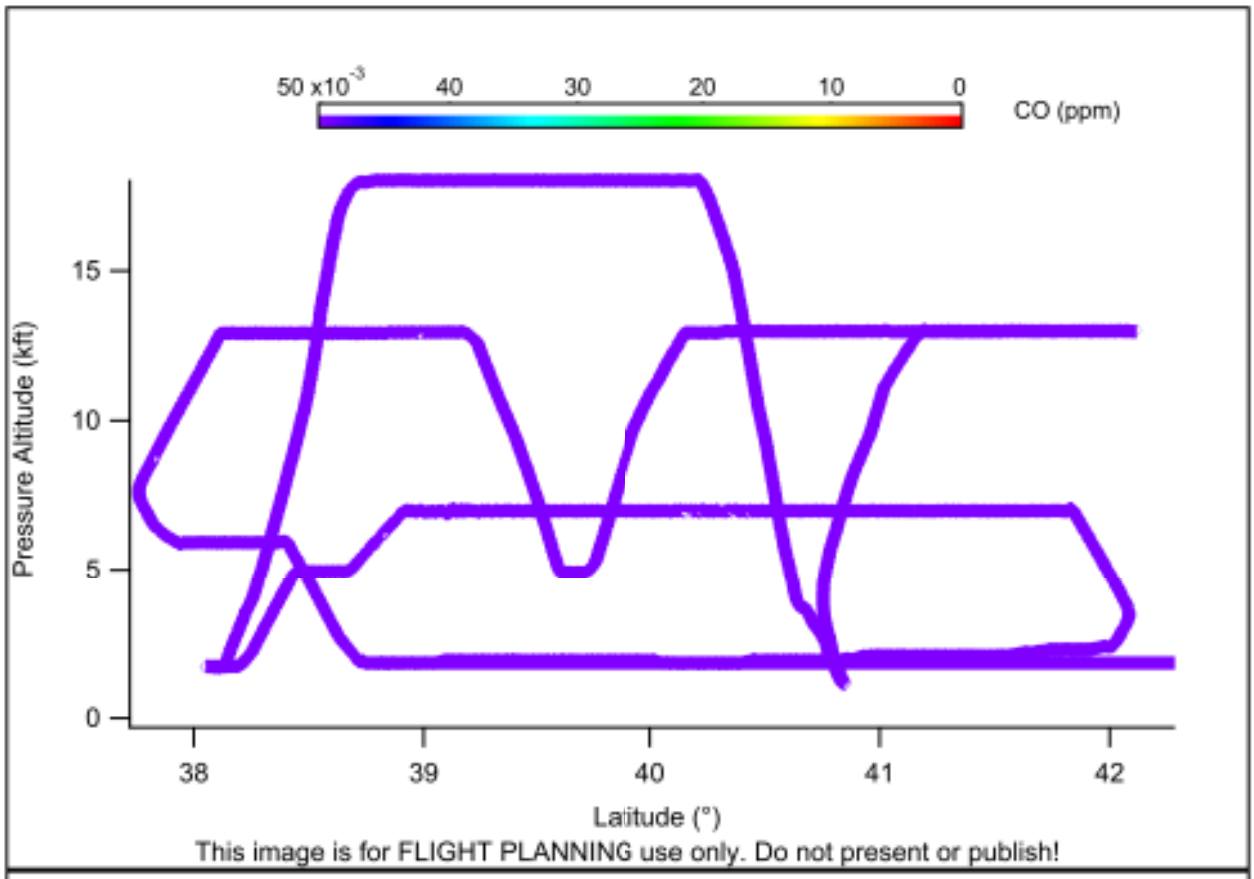
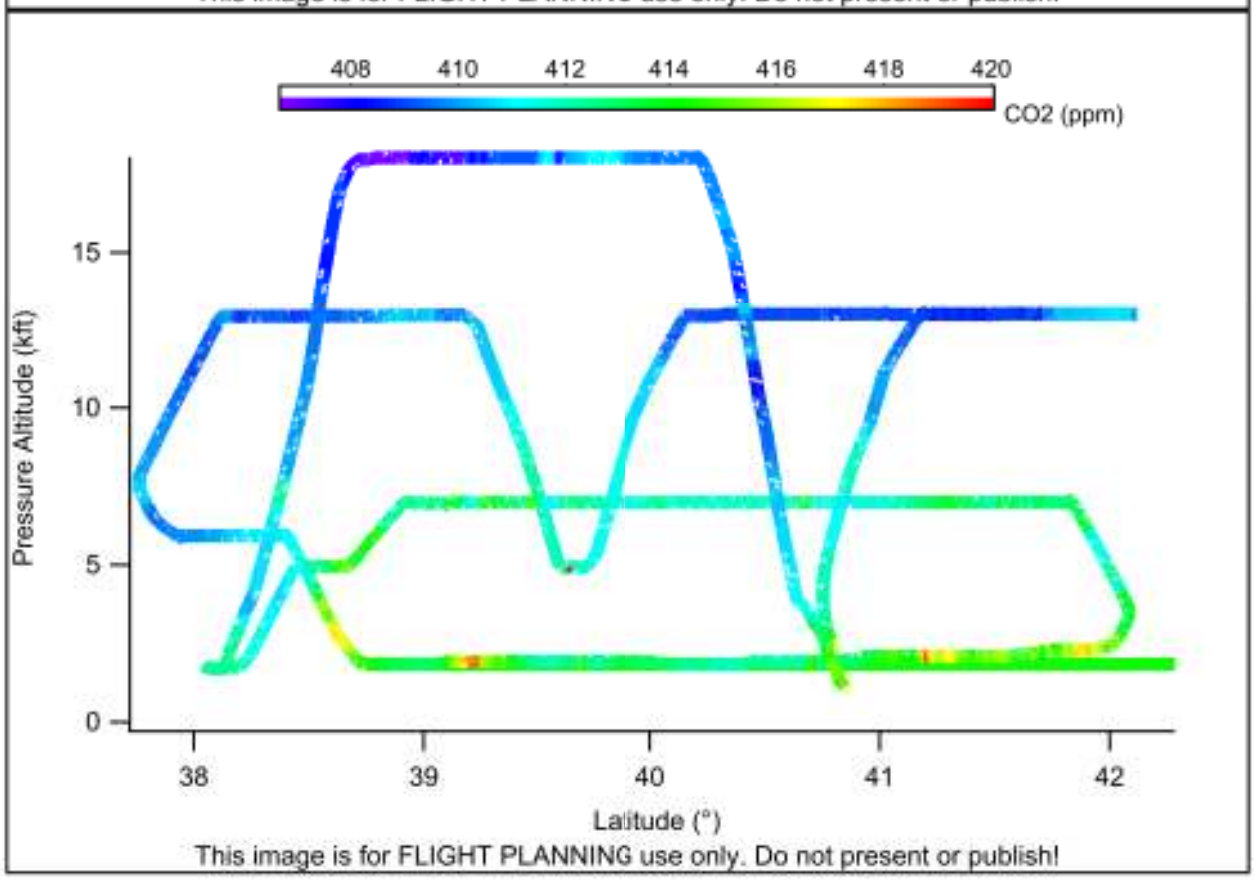
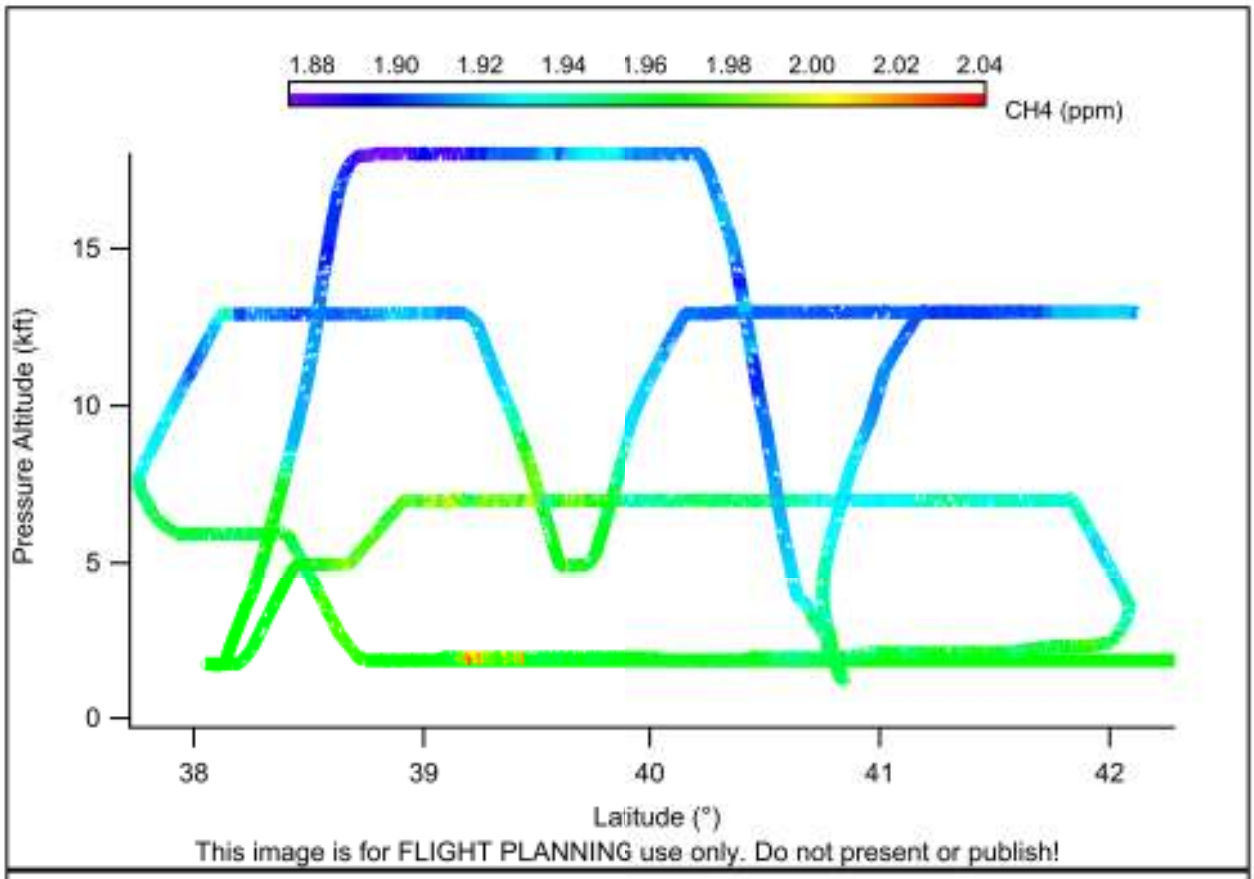
ACT-America 20170226

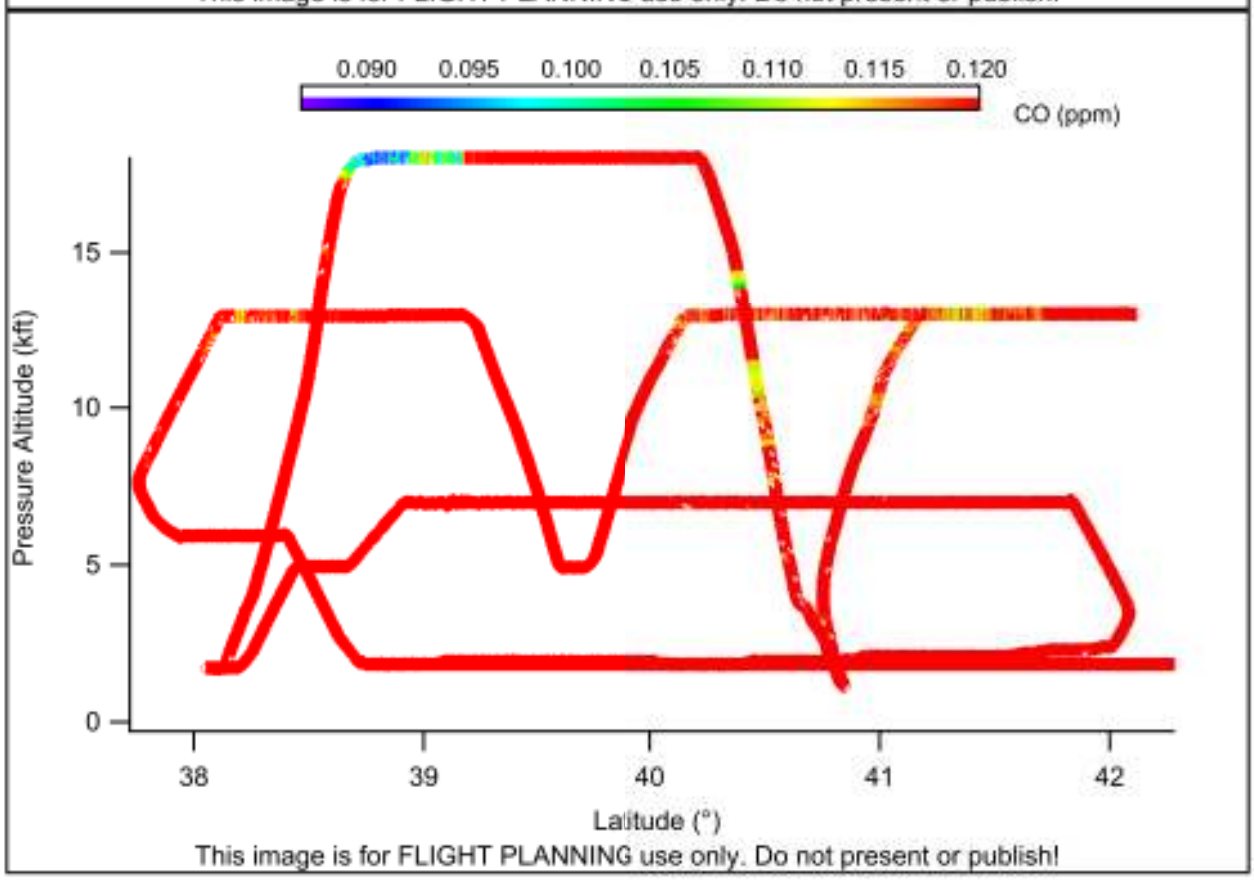

400
300
200
100
0
CO2 (ppm)
Pressure Altitude (kft)
15
10
5
0
38
39
40
41
42
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

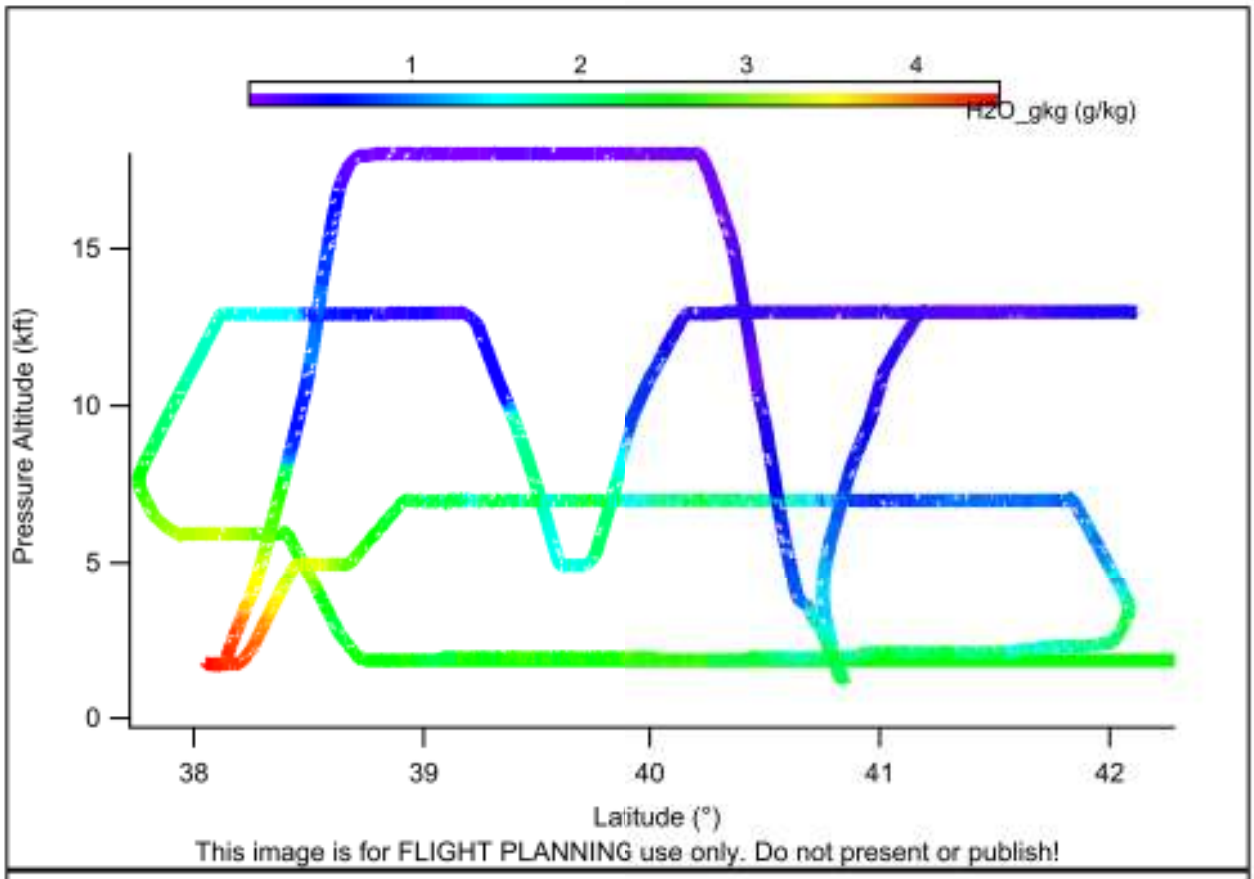

1.5
1.0
0.5
0.0
CH4 (ppm)
Pressure Altitude (kft)
15
10
5
0
38
39
40
41
42
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

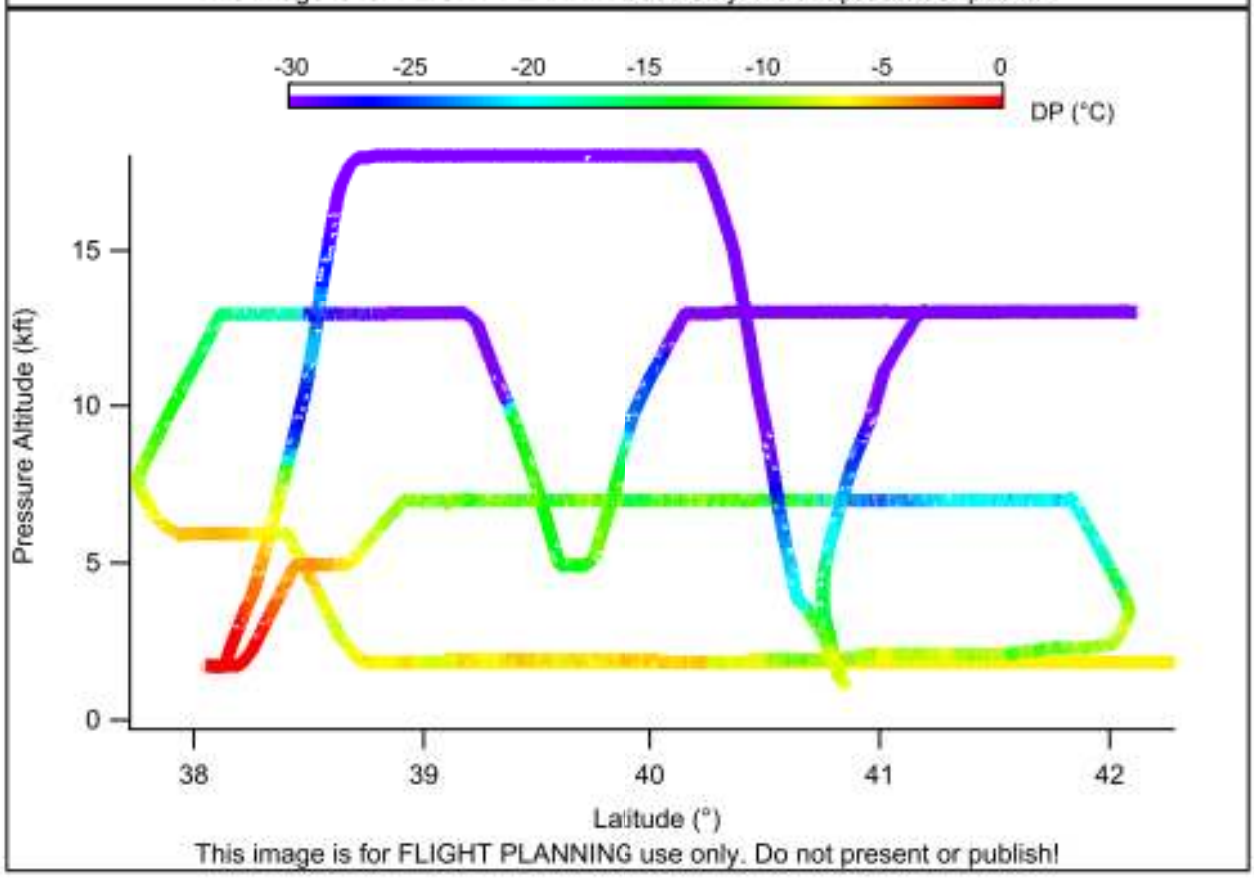

50 x10^-3
40
30
20
10
0
CO (ppm)
Pressure Altitude (kft)
15
10
5
0
38
39
40
41
42
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

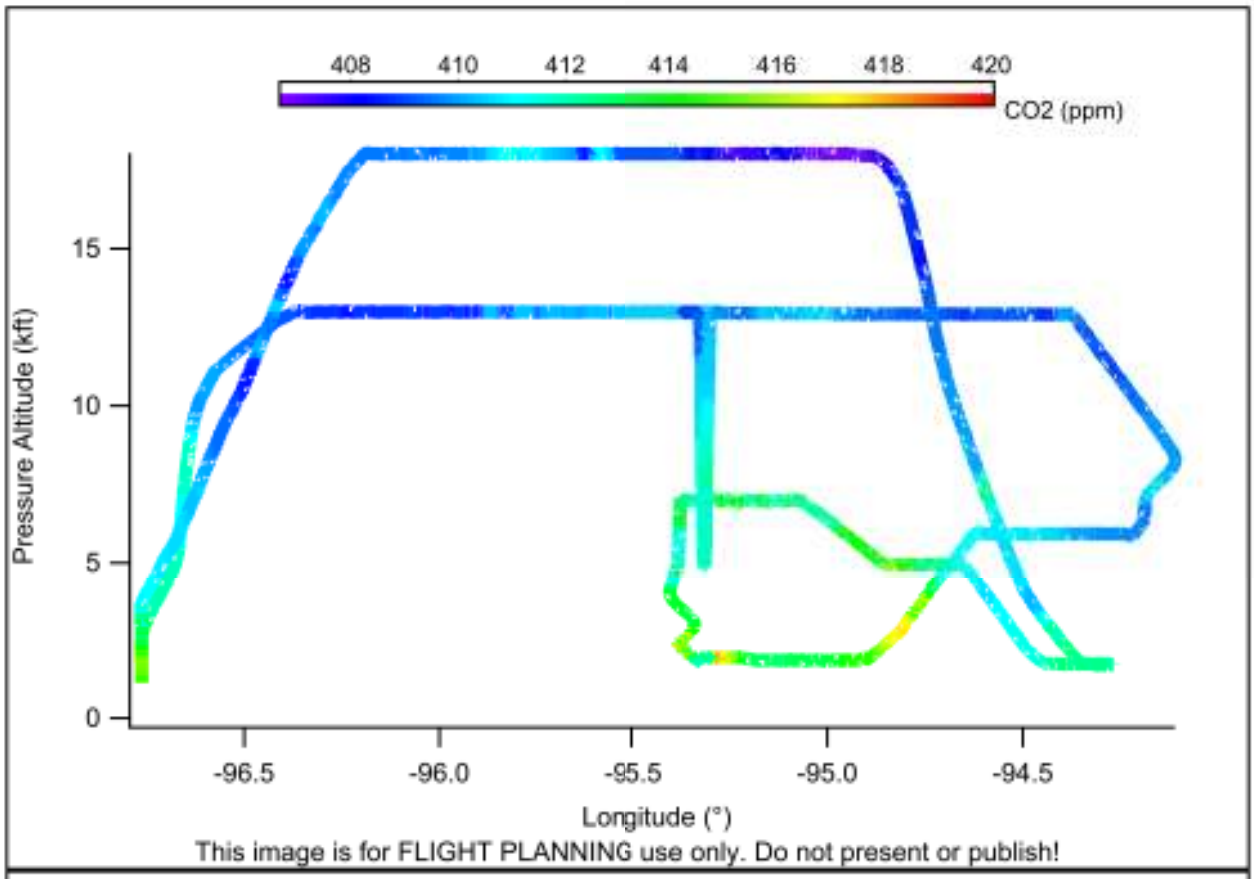

408
410
412
414
416
418
420
CO2 (ppm)
Pressure Altitude (kft)
15
10
5
0
38
39
40
41
42
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

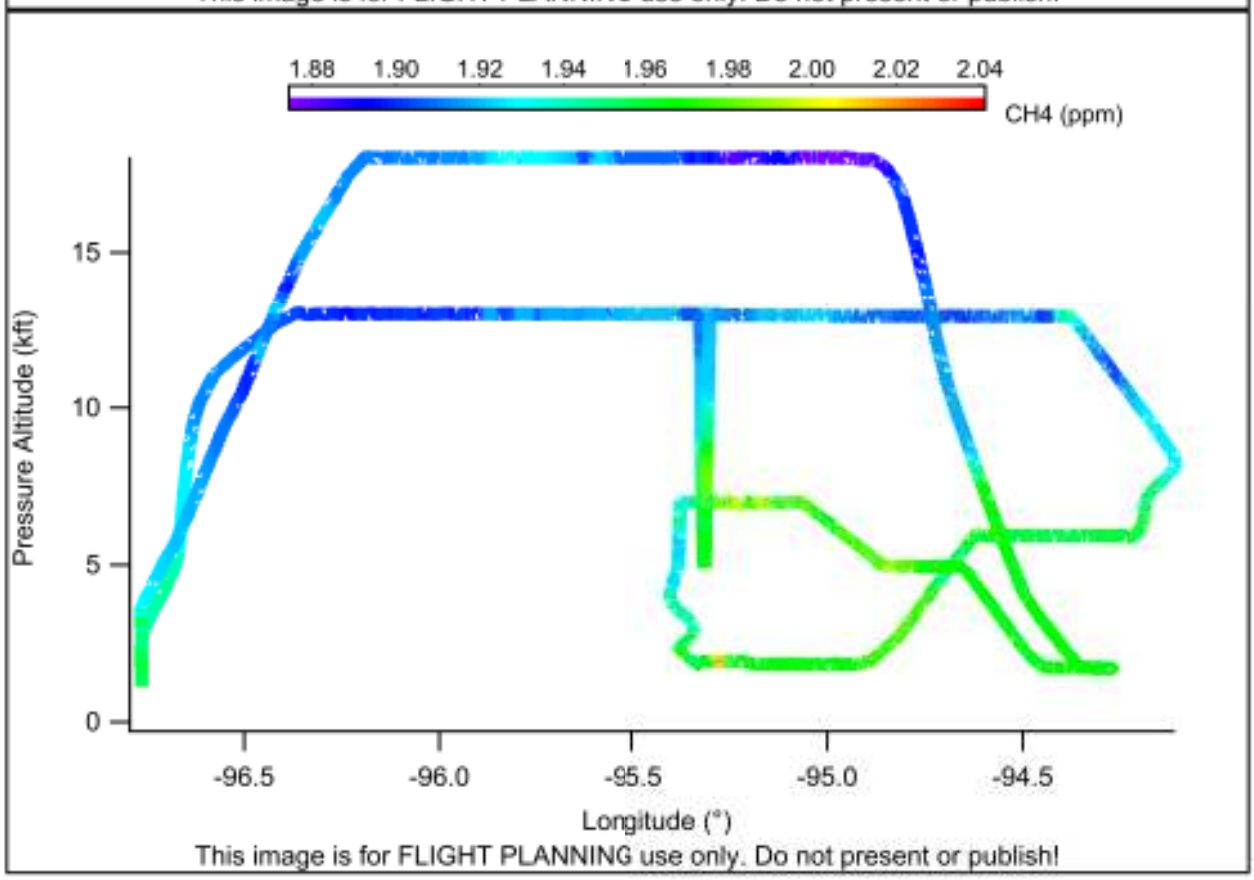

1.88 1.90 1.92 1.94 1.96 1.98 2.00 2.02 2.04
CH4 (ppm)
Pressure Altitude (kft)
0
5
10
15
38
39
40
41
42
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

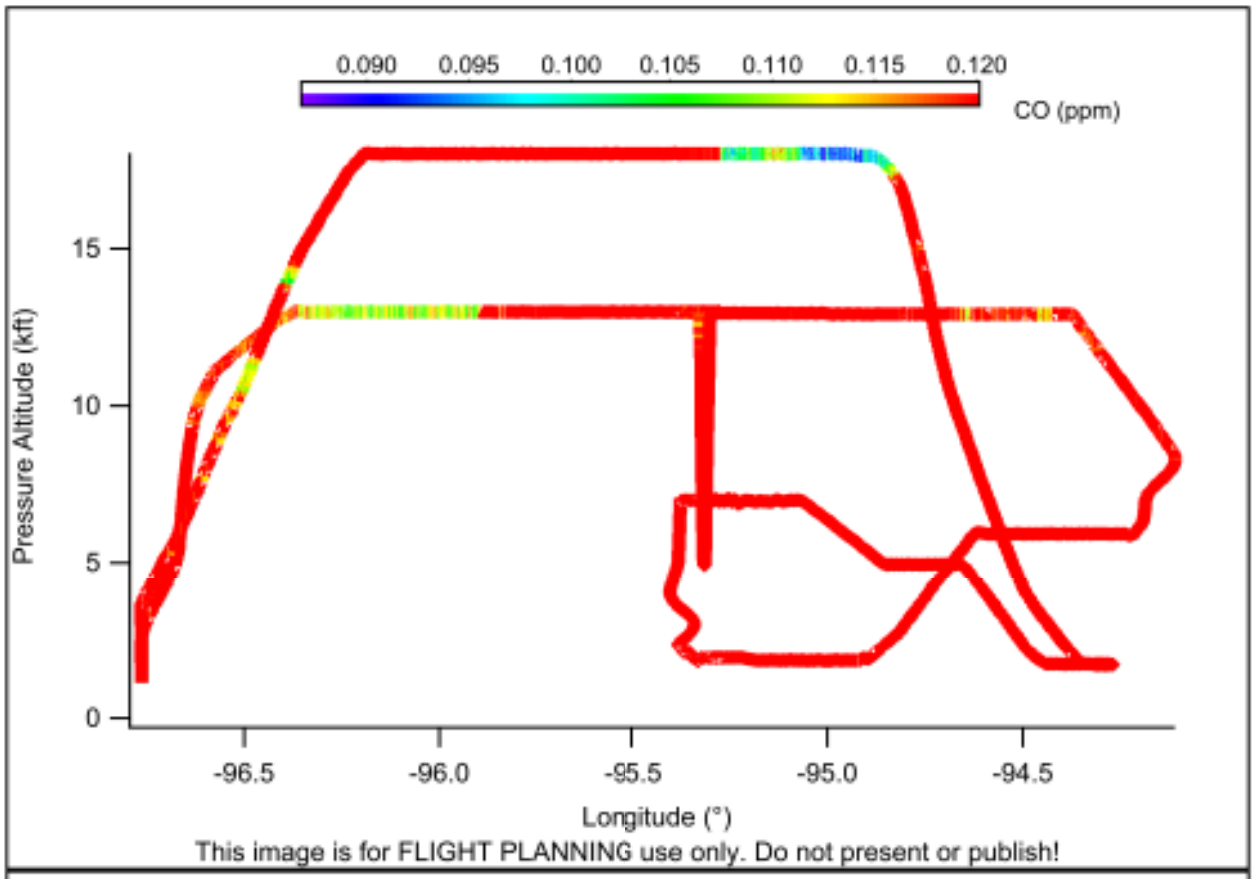

0.090 0.095 0.100 0.105 0.110 0.115 0.120
CO (ppm)
Pressure Altitude (kft)
0
5
10
15
38
39
40
41
42
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

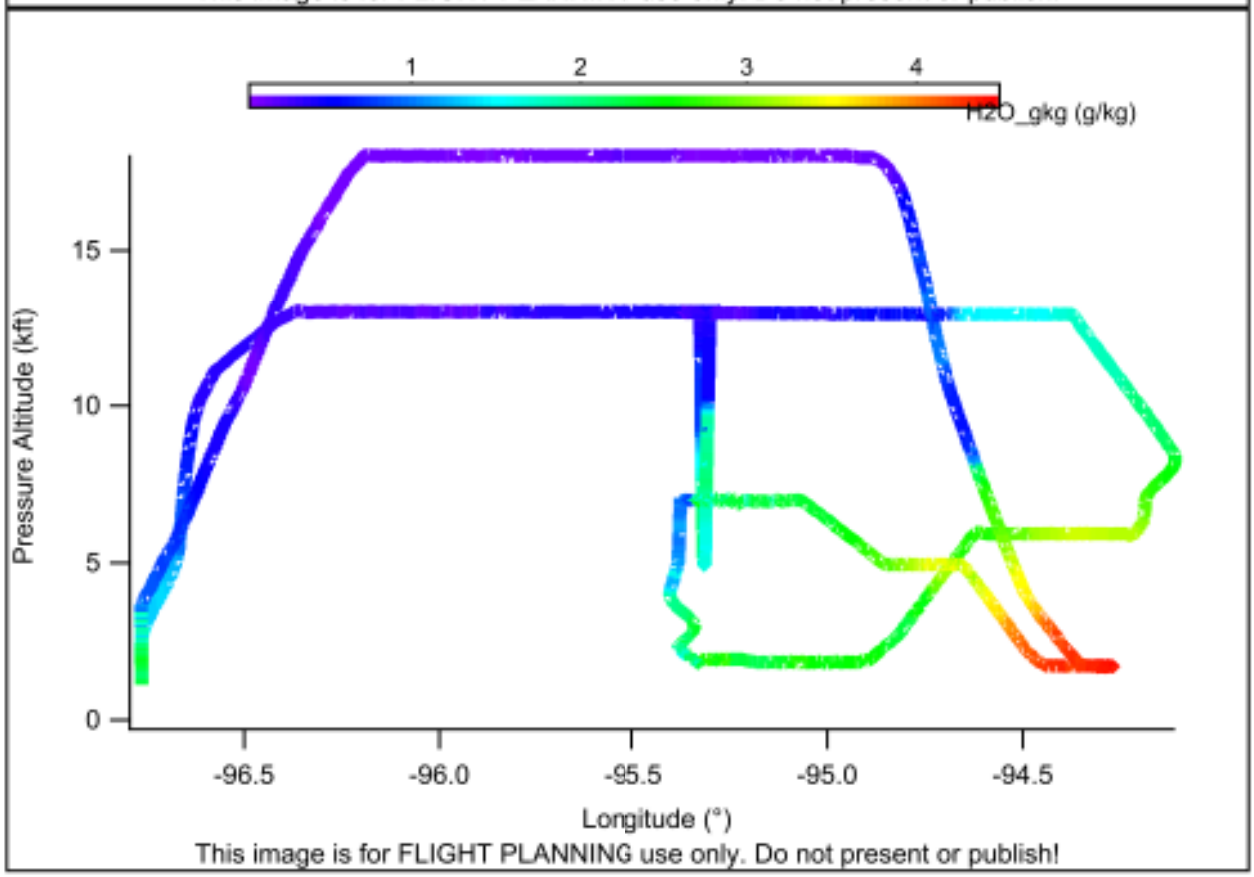

1
2
3
4
H2O_gkg (g/kg)
Pressure Altitude (kft)
15
10
5
0
38
39
40
41
42
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

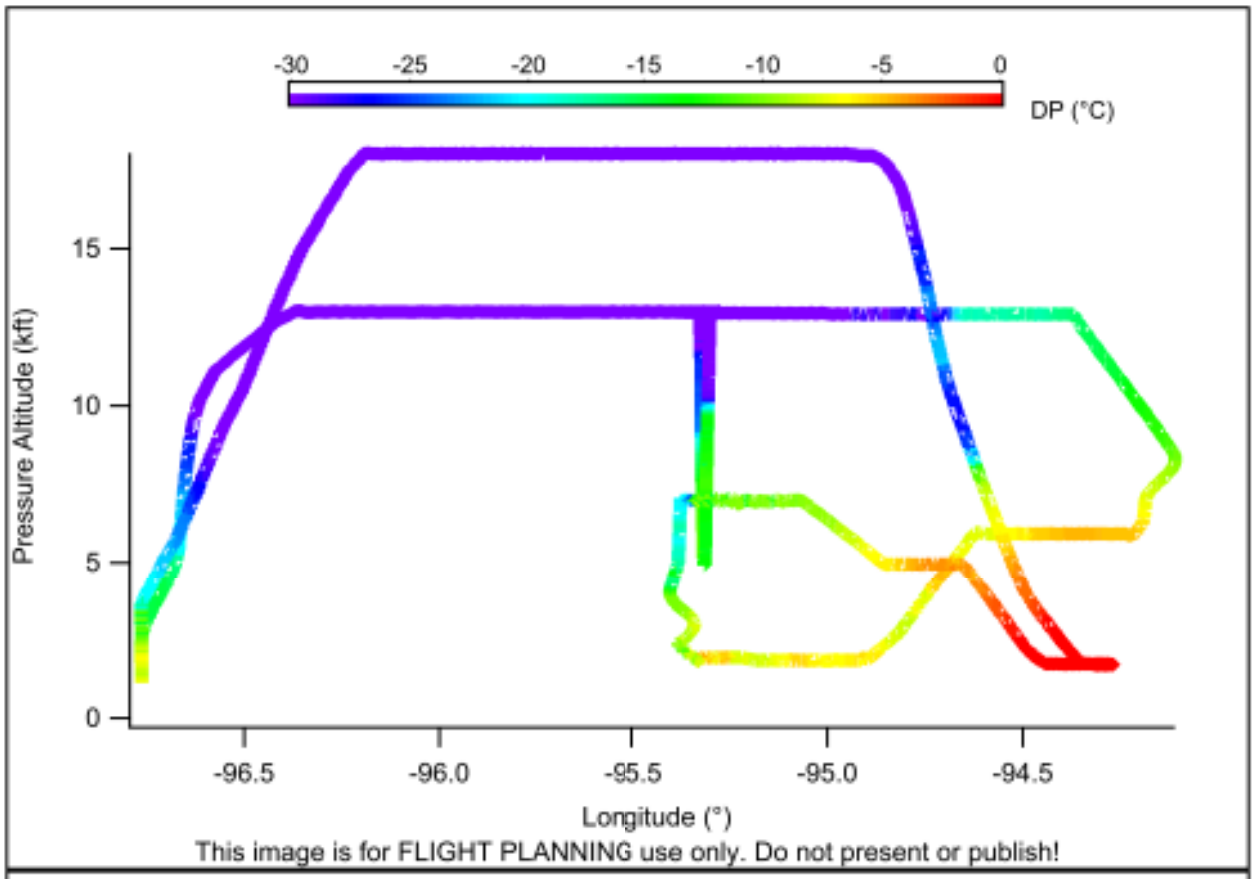

-30
-25
-20
-15
-10
-5
0
DP (°C)
Pressure Altitude (kft)
15
10
5
0
38
39
40
41
42
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

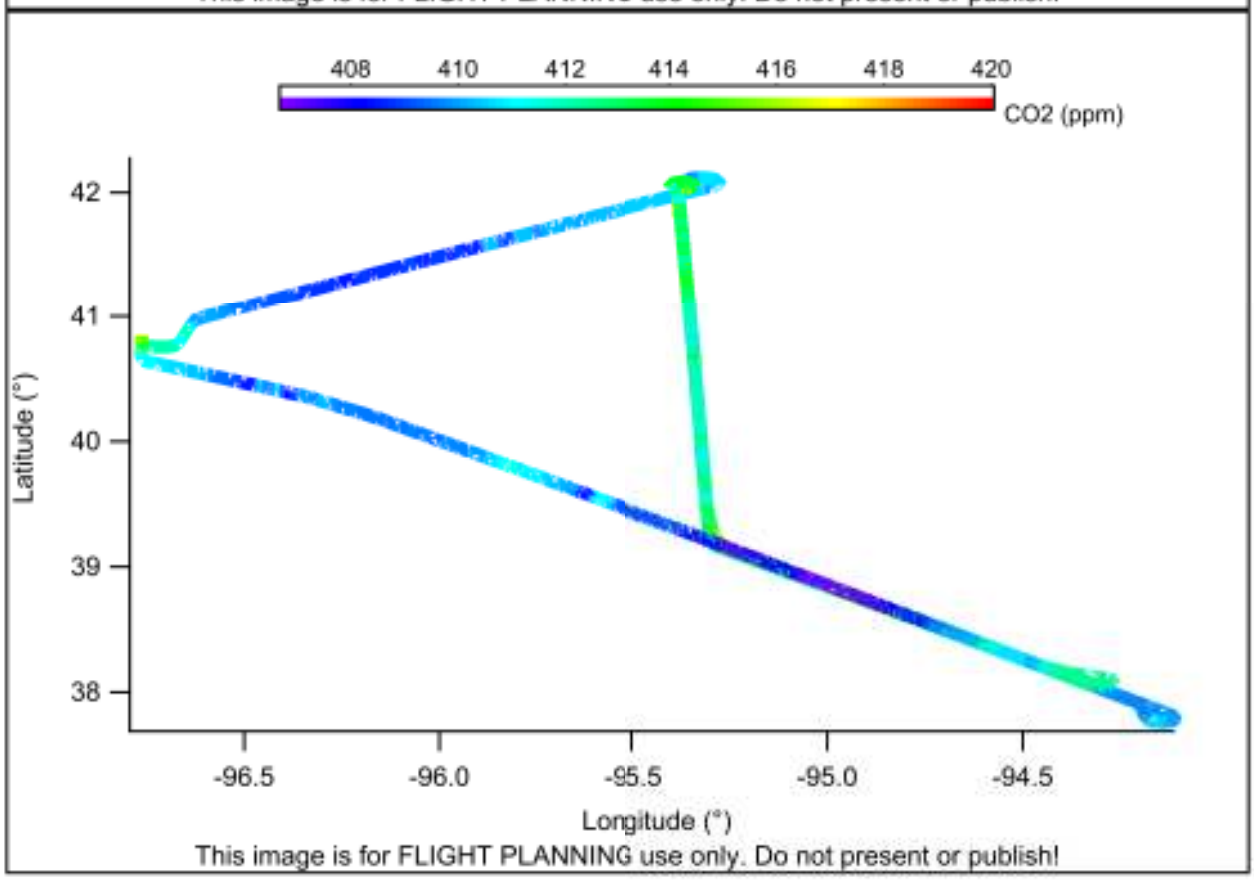

408
410
412
414
416
418
420
CO2 (ppm)
Pressure Altitude (kft)
15
10
5
0
-96.5
-96.0
-95.5
-95.0
-94.5
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

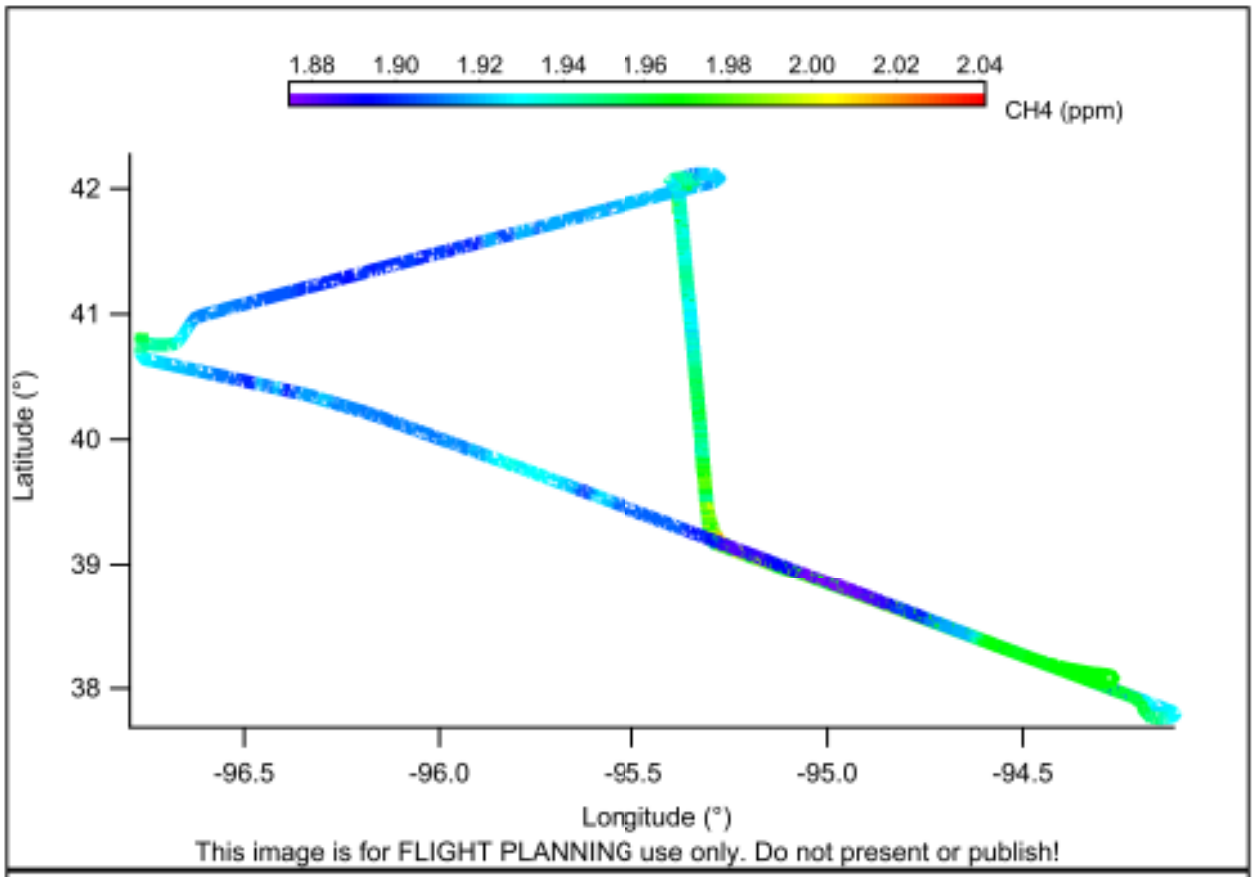

1.88
1.90
1.92
1.94
1.96
1.98
2.00
2.02
2.04
CH4 (ppm)
Pressure Altitude (kft)
15
10
5
0
-96.5
-96.0
-95.5
-95.0
-94.5
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

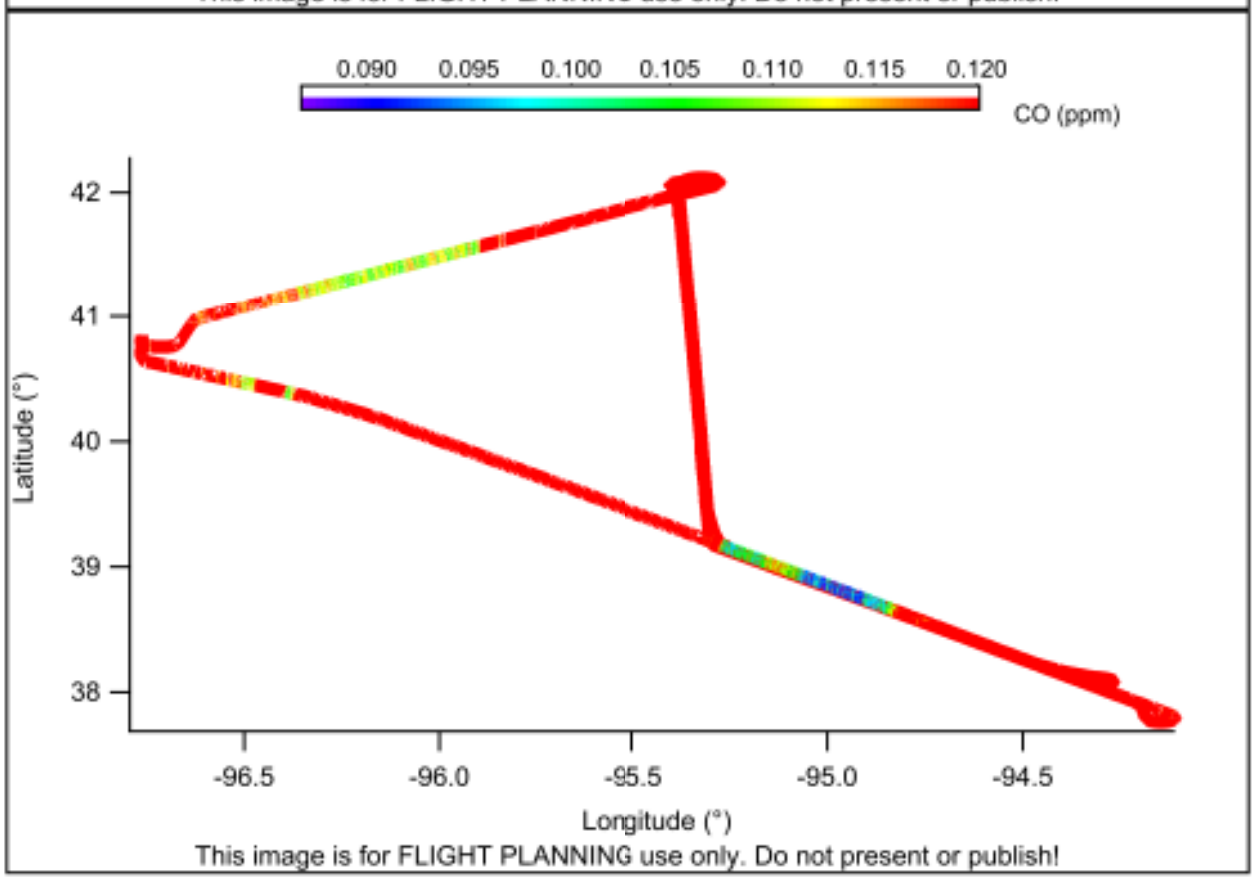

0.090
0.095
0.100
0.105
0.110
0.115
0.120
CO (ppm)
Pressure Altitude (kft)
15
10
5
0
-96.5
-96.0
-95.5
-95.0
-94.5
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


1
2
3
4
H2O_gkg (g/kg)
Pressure Altitude (kft)
15
10
5
0
-96.5
-96.0
-95.5
-95.0
-94.5
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)
15
10
5
0
-96.5
-96.0
-95.5
-95.0
-94.5
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


408
410
412
414
416
418
420
CO2 (ppm)
Latitude (°)
42
41
40
39
38
-96.5
-96.0
-95.5
-95.0
-94.5
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 2.02 2.04
CH4 (ppm)
42
41
40
39
38
Latitude (°)
-96.5 -96.0 -95.5 -95.0 -94.5
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


0.090 0.095 0.100 0.105 0.110 0.115 0.120
CO (ppm)
42
41
40
39
38
Latitude (°)
-96.5 -96.0 -95.5 -95.0 -94.5
Longitude (°)
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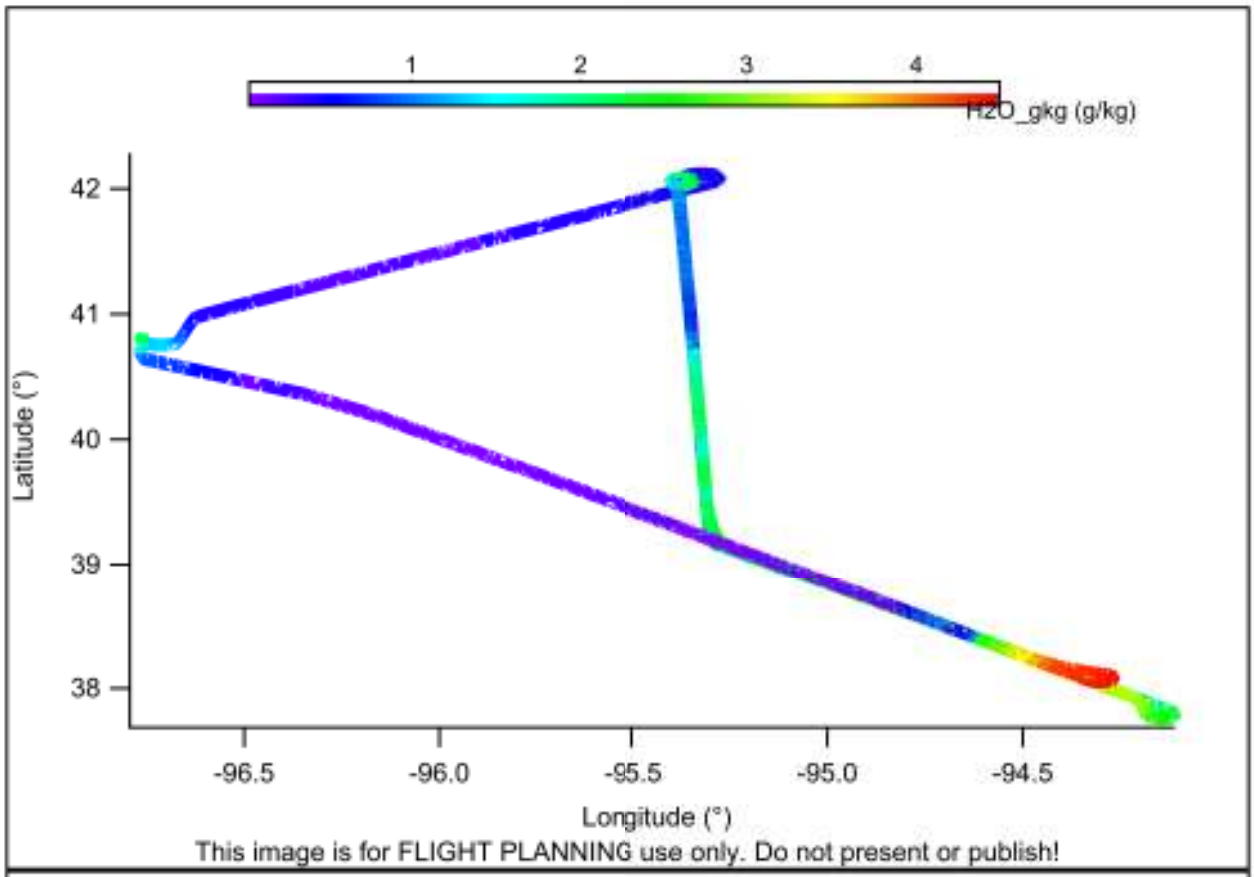
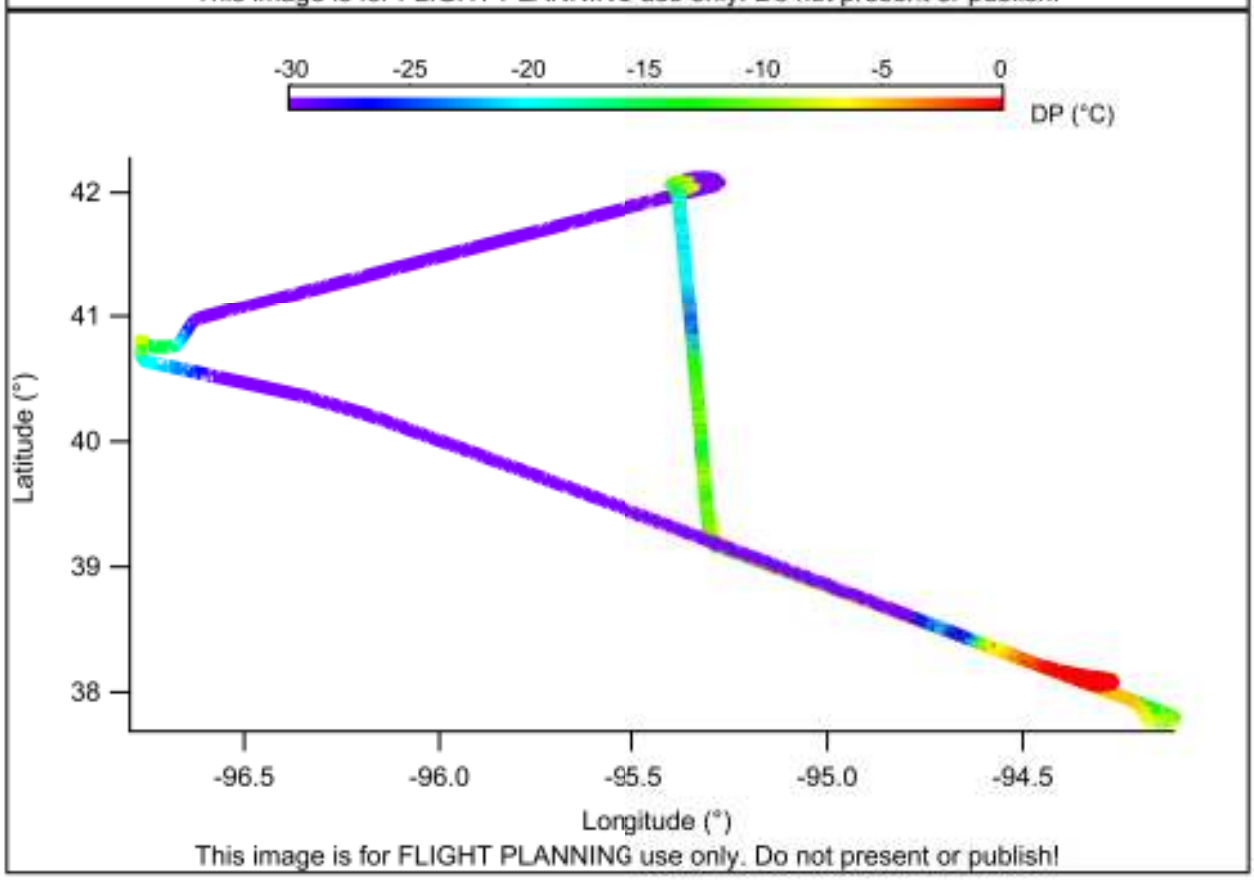
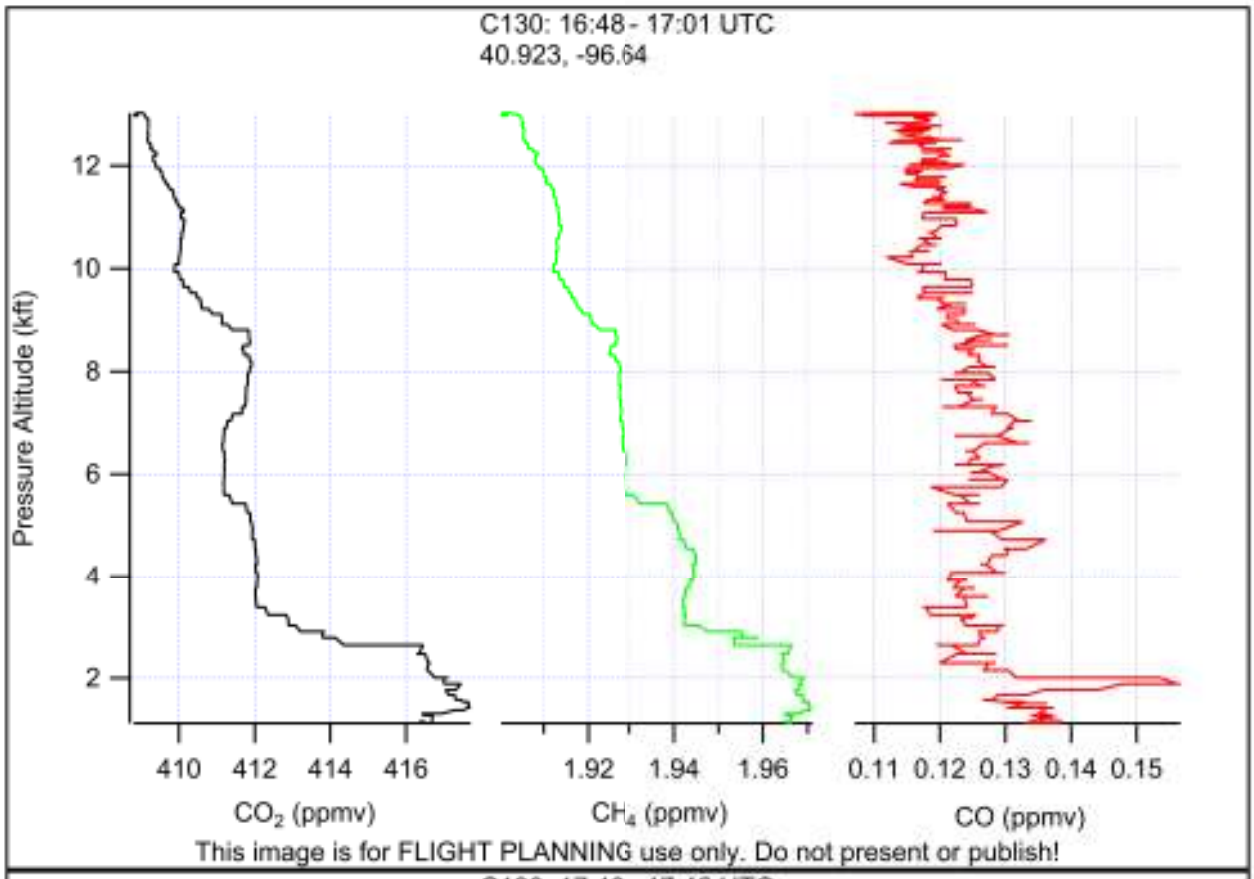
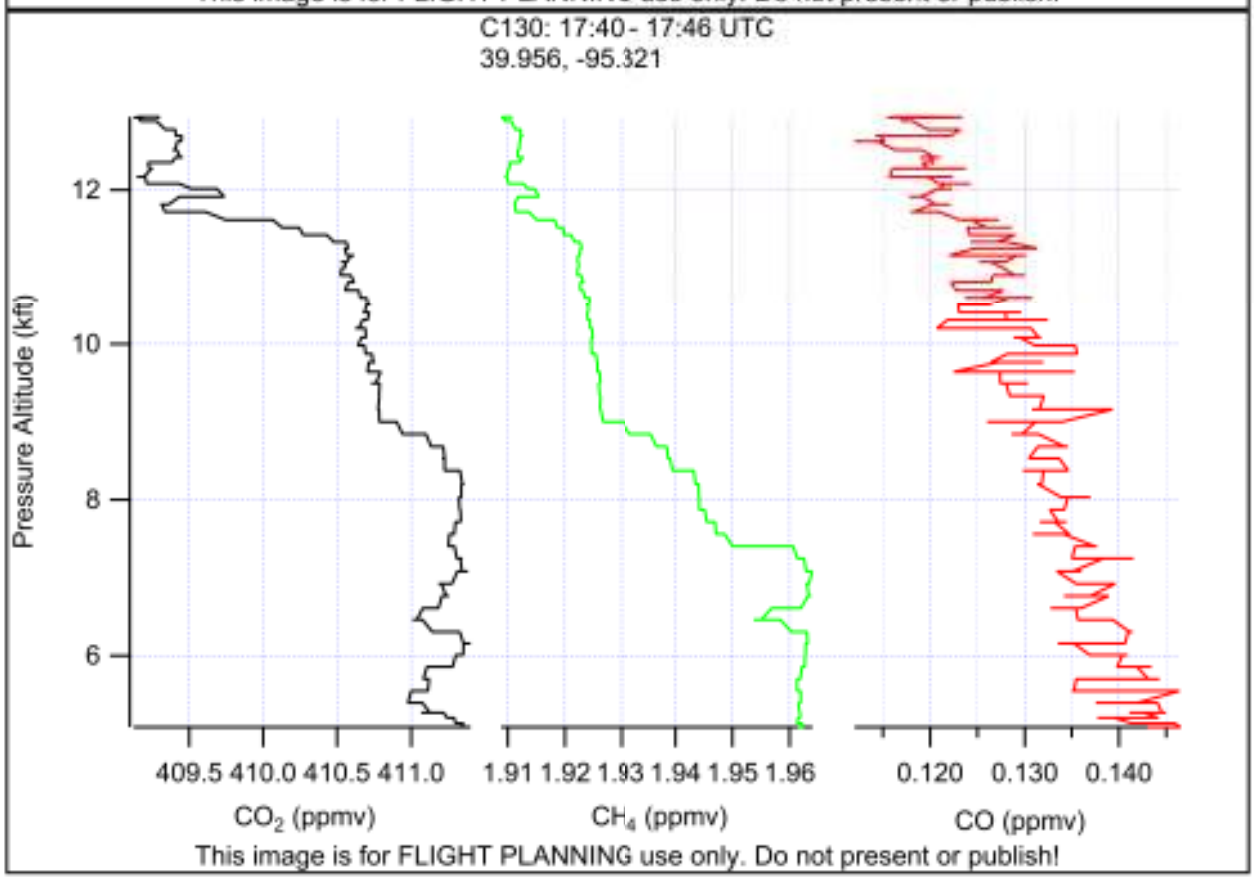
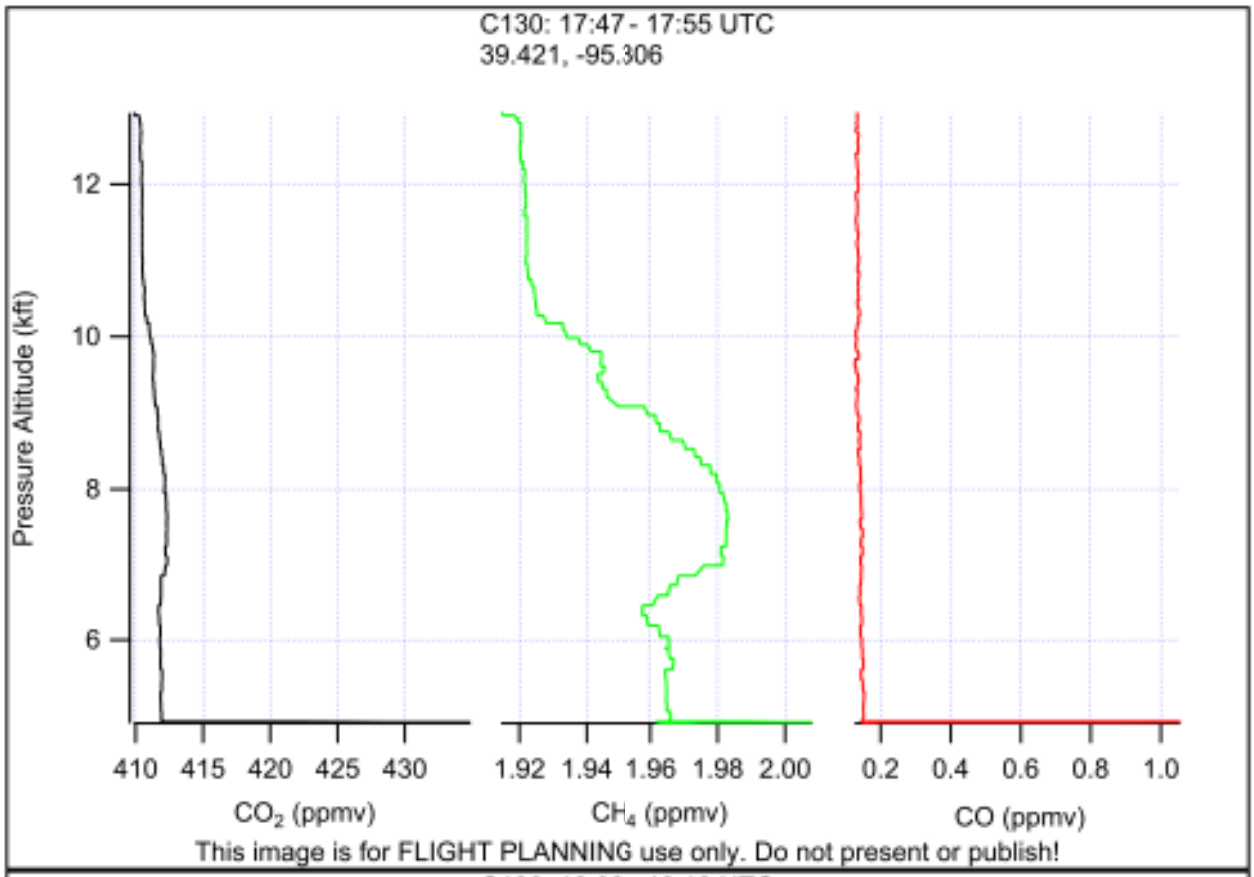
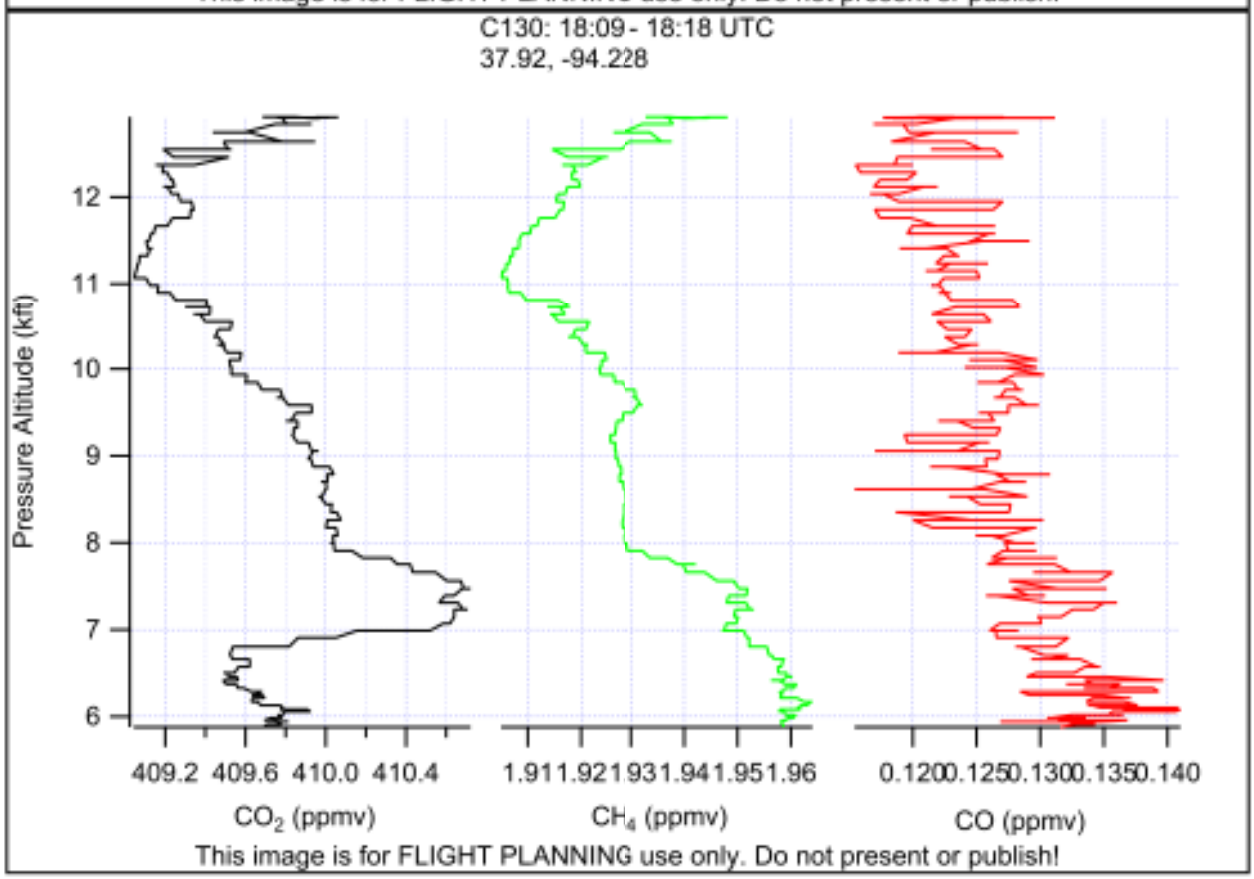

1
2
3
4
H2O_gkg (g/kg)
42
41
40
39
38
Latitude (°)
-96.5
-96.0
-95.5
-95.0
-94.5
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


-30
-25
-20
-15
-10
-5
0
DP (°C)
42
41
40
39
38
Latitude (°)
-96.5
-96.0
-95.5
-95.0
-94.5
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 16:48 - 17:01 UTC
40.923, -96.64
Pressure Altitude (kft)
12
10
8
6
4
2
410 412 414 416
CO2 (ppmv)
1.92 1.94 1.96
CH4 (ppmv)
0.11 0.12 0.13 0.14 0.15
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 17:40 - 17:46 UTC
39.956, -95.321
Pressure Altitude (kft)
12
10
8
6
409.5 410.0 410.5 411.0
CO2 (ppmv)
1.91 1.92 1.93 1.94 1.95 1.96
CH4 (ppmv)
0.120 0.130 0.140
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 17:47 - 17:55 UTC
39.421, -95.306
Pressure Altitude (kft)
12
10
8
6
410 415 420 425 430
CO_2 (ppmv)
1.92 1.94 1.96 1.98 2.00
CH_4 (ppmv)
0.2 0.4 0.6 0.8 1.0
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 18:09 - 18:18 UTC
37.92, -94.228
Pressure Altitude (kft)
12
11
10
9
8
7
6
409.2 409.6 410.0 410.4
CO_2 (ppmv)
1.91 1.92 1.93 1.94 1.95 1.96
CH_4 (ppmv)
0.120 0.125 0.130 0.135 0.140
CO (ppmv)
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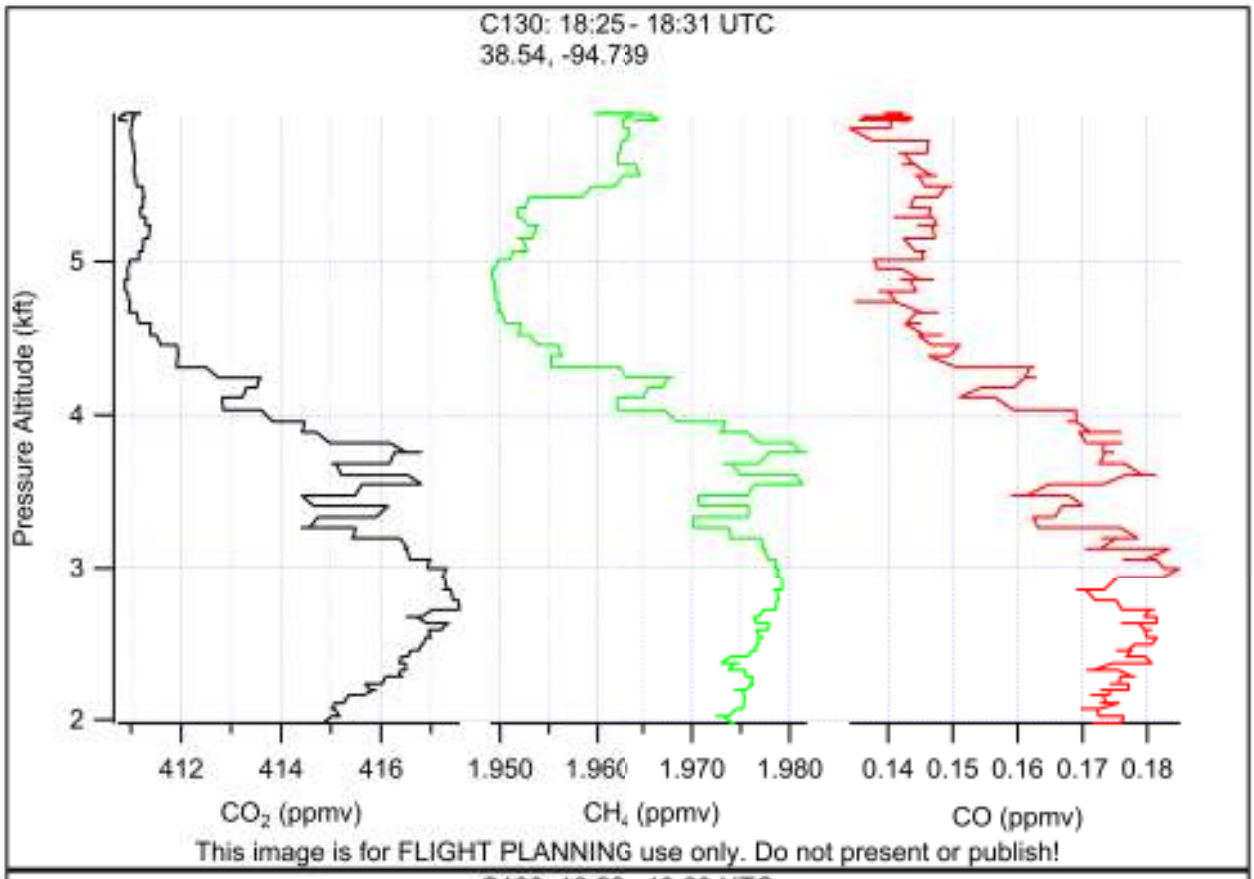
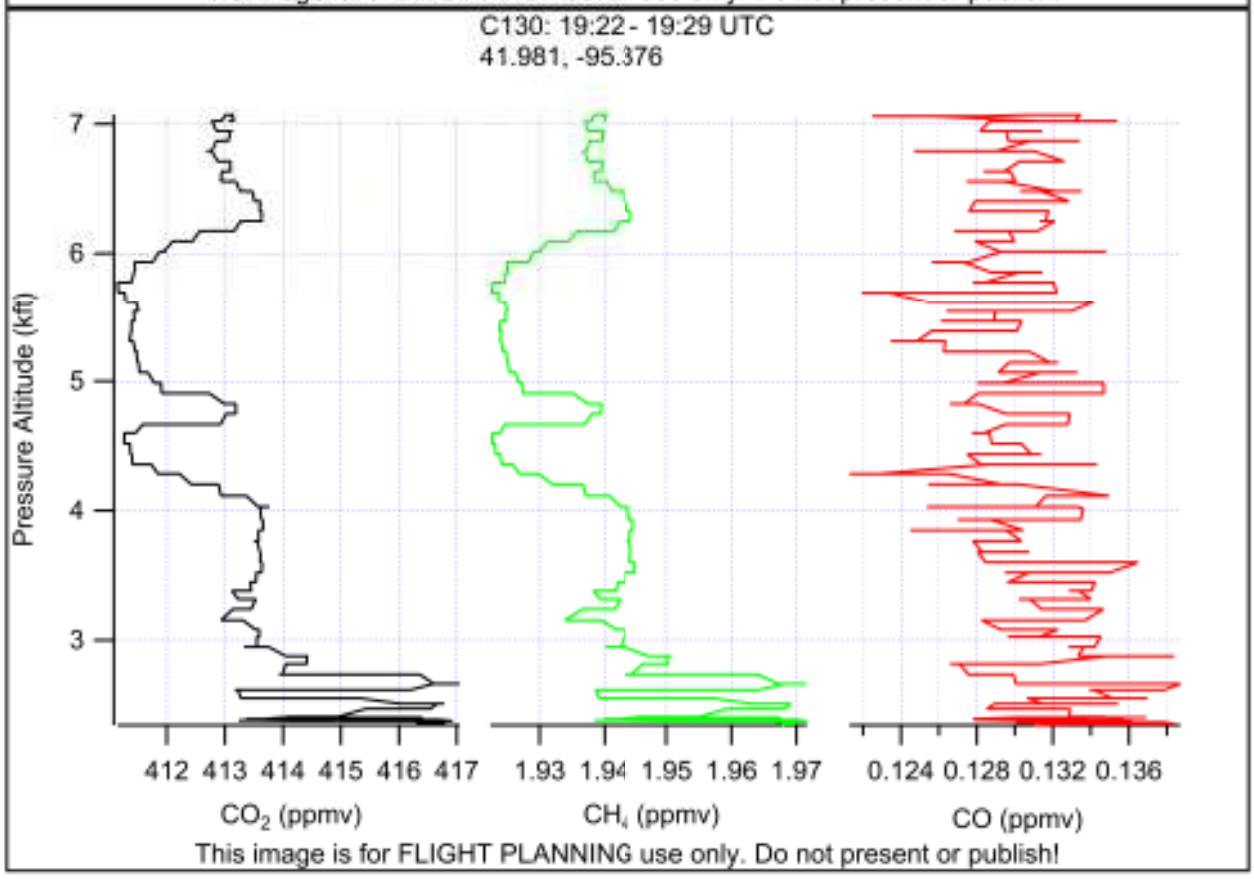
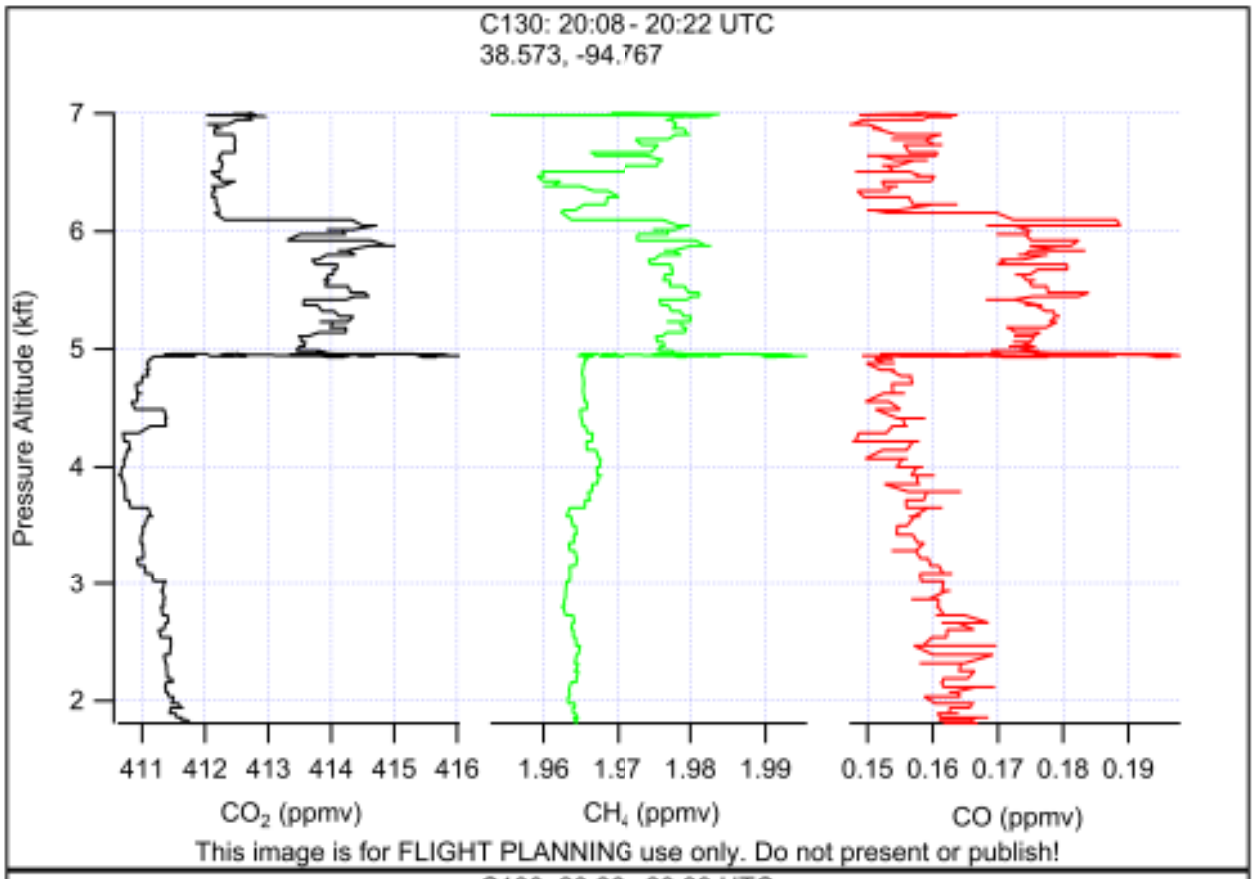
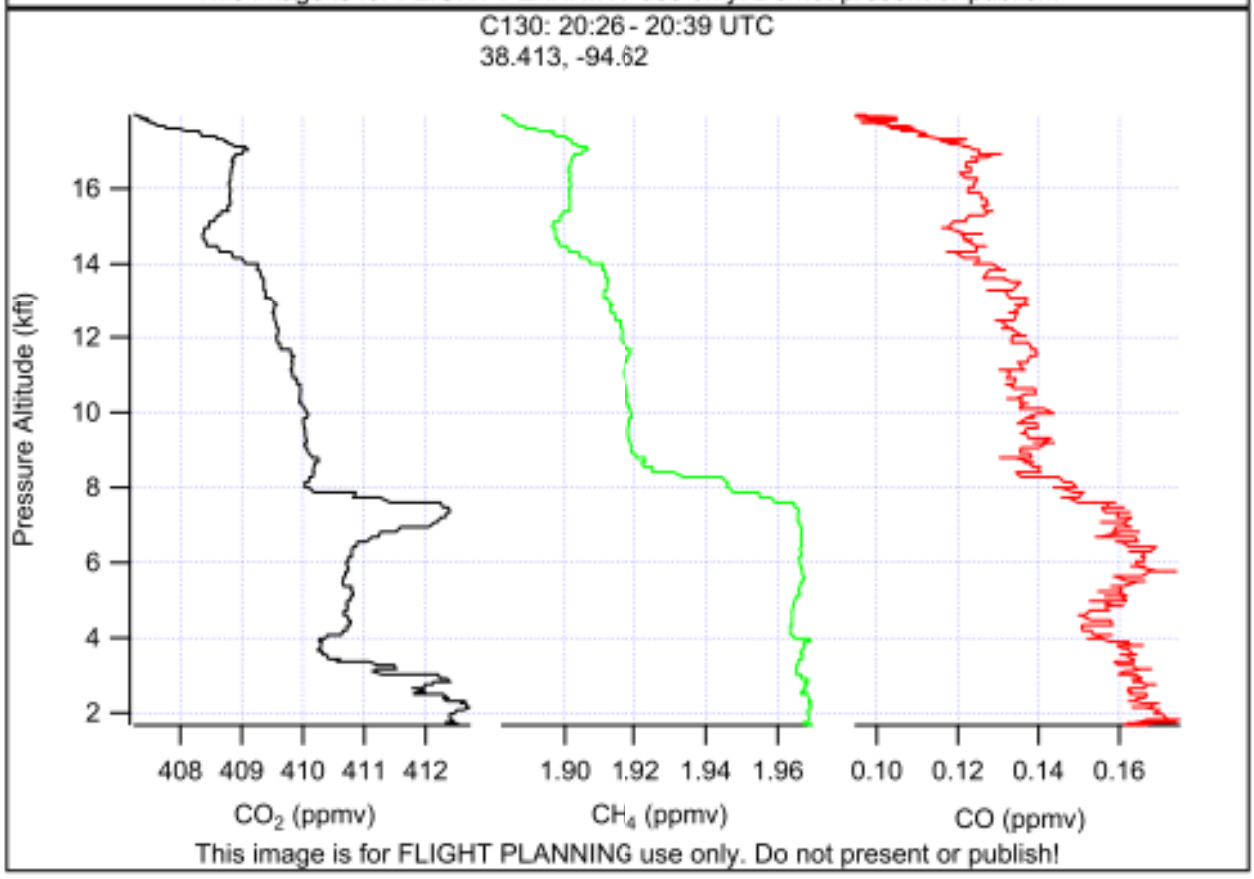
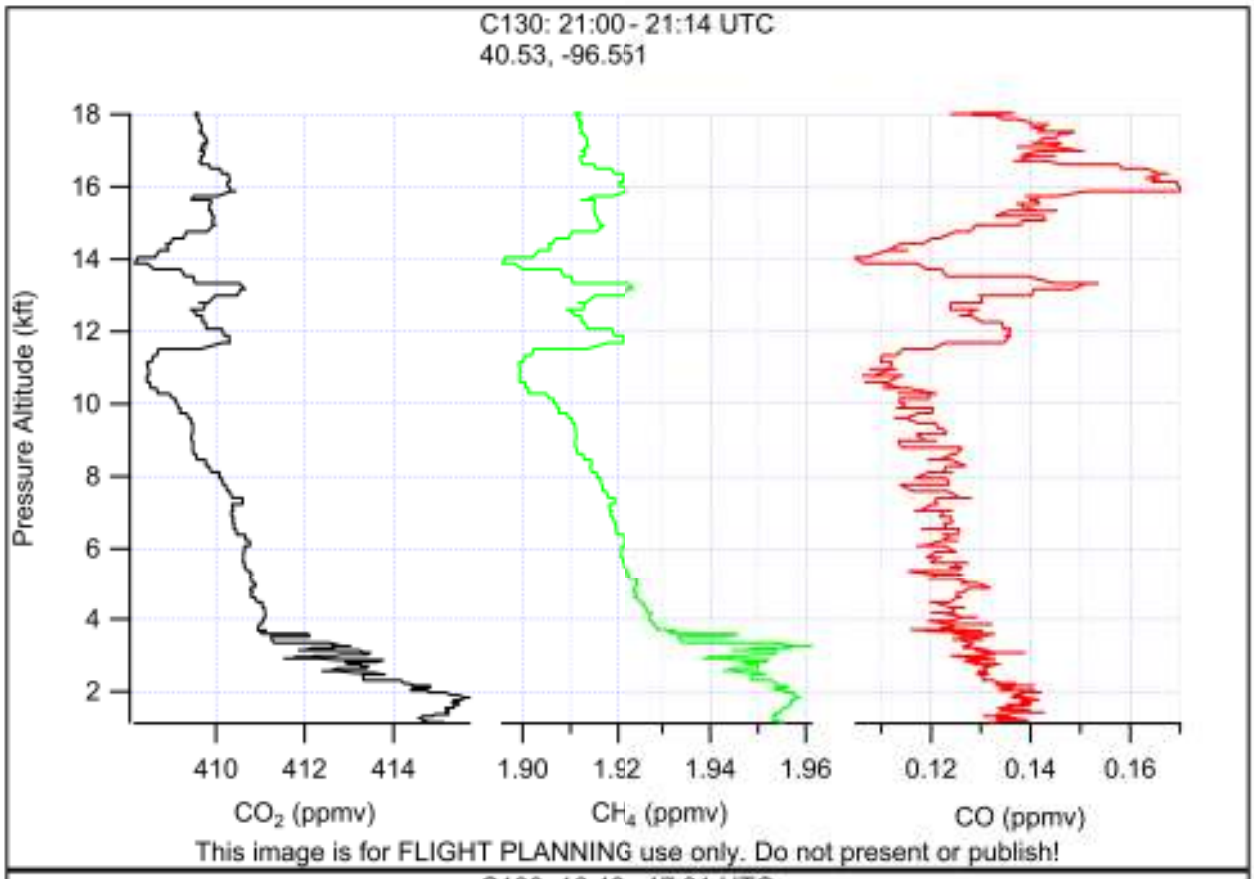
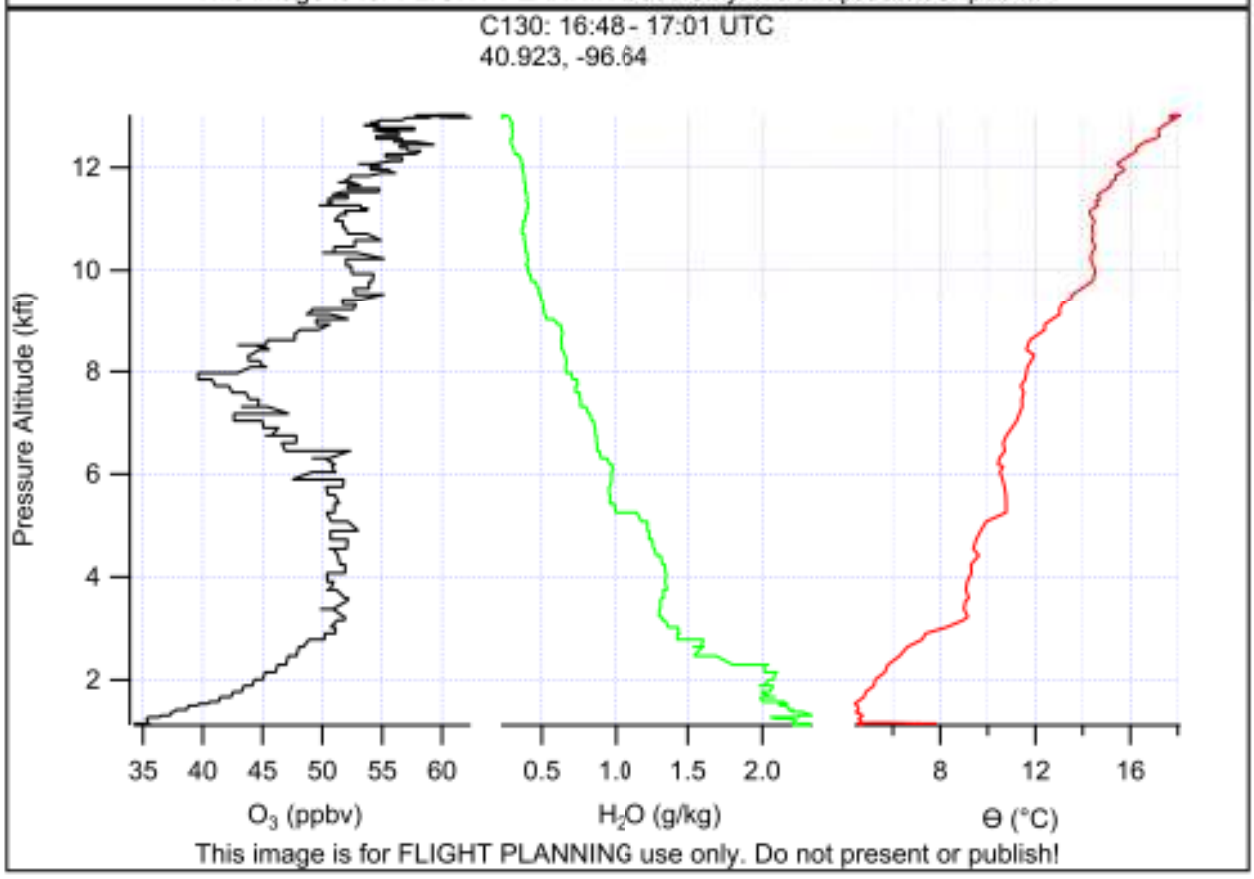

C130: 18:25 - 18:31 UTC
38.54, -94.739
Pressure Altitude (kft)
5
4
3
2
412
414
416
1.950
1.960
1.970
1.980
0.14 0.15 0.16 0.17 0.18
CO2 (ppmv)
CH4 (ppmv)
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

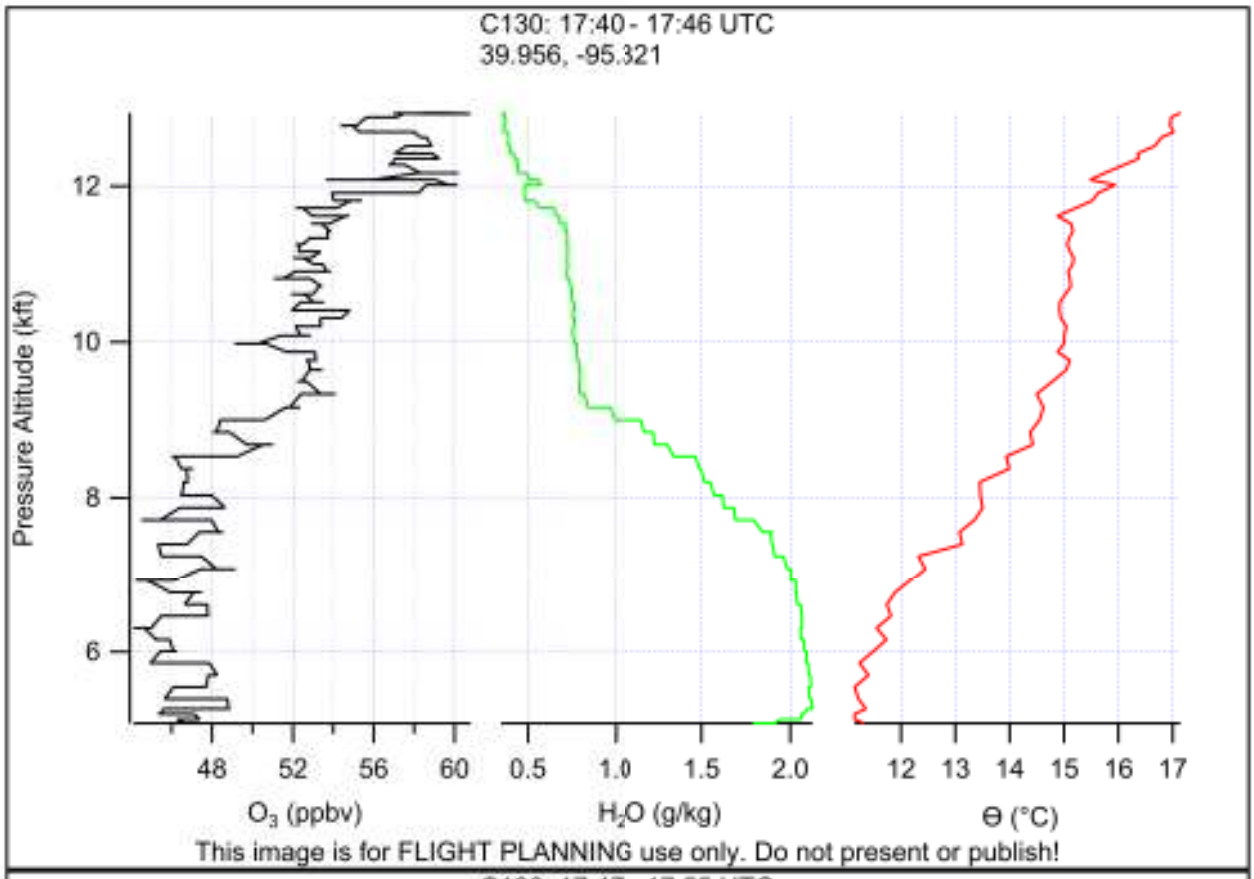

C130: 19:22 - 19:29 UTC
41.981, -95.376
Pressure Altitude (kft)
7
6
5
4
3
412 413 414 415 416 417
1.93 1.94 1.95 1.96 1.97
0.124 0.128 0.132 0.136
CO2 (ppmv)
CH4 (ppmv)
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

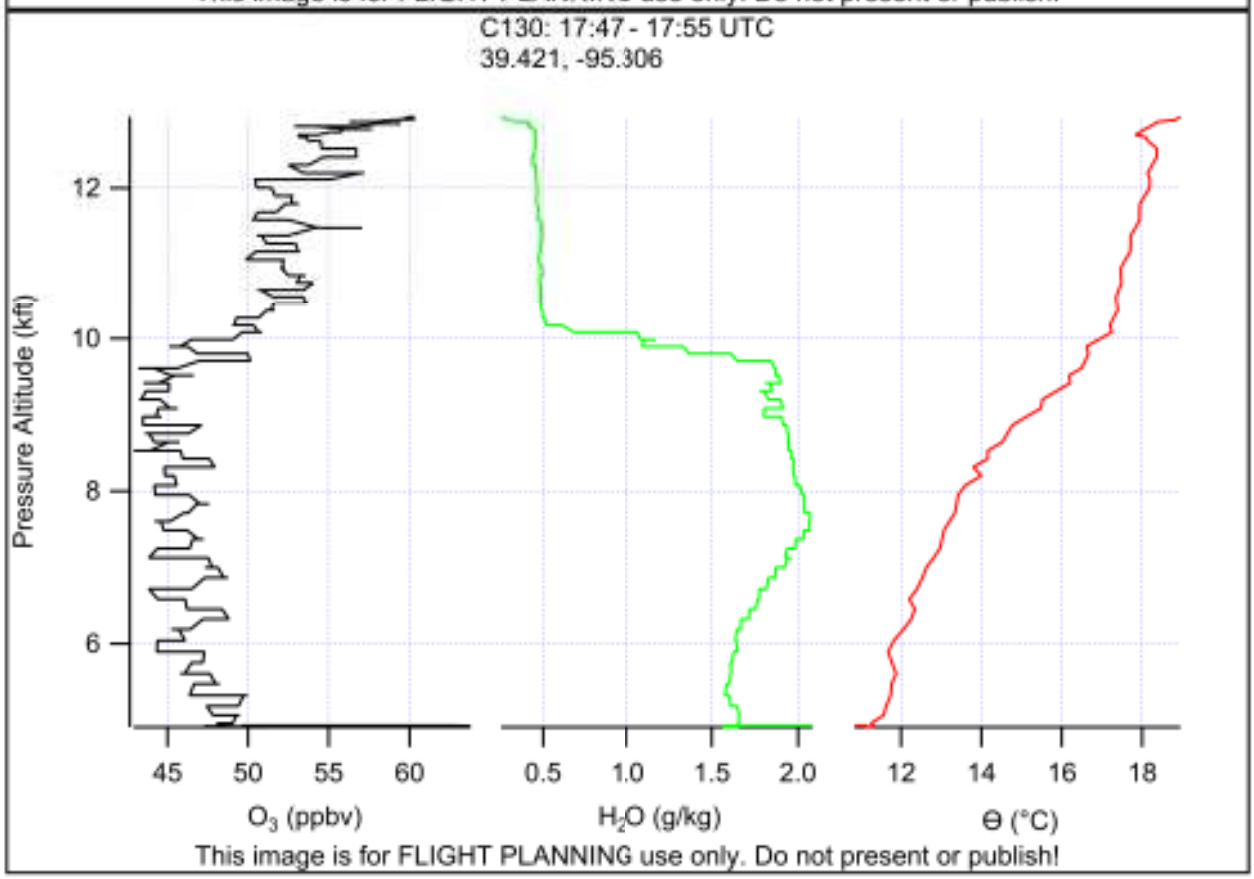

C130: 20:08 - 20:22 UTC
38.573, -94.767
Pressure Altitude (kft)
7
6
5
4
3
2
411 412 413 414 415 416
CO2 (ppmv)
1.96 1.97 1.98 1.99
CH4 (ppmv)
0.15 0.16 0.17 0.18 0.19
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

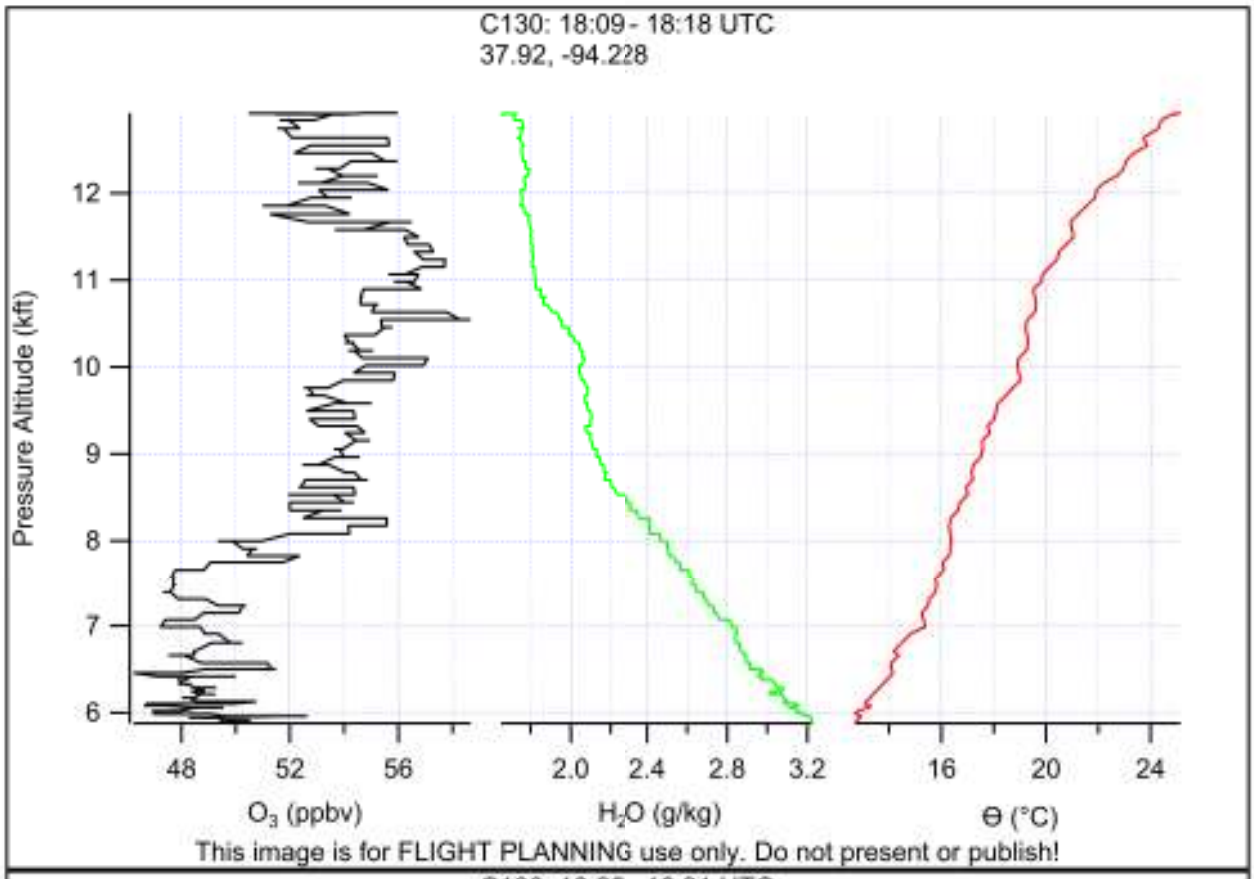

C130: 20:26 - 20:39 UTC
38.413, -94.62
Pressure Altitude (kft)
16
14
12
10
8
6
4
2
408 409 410 411 412
CO2 (ppmv)
1.90 1.92 1.94 1.96
CH4 (ppmv)
0.10 0.12 0.14 0.16
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

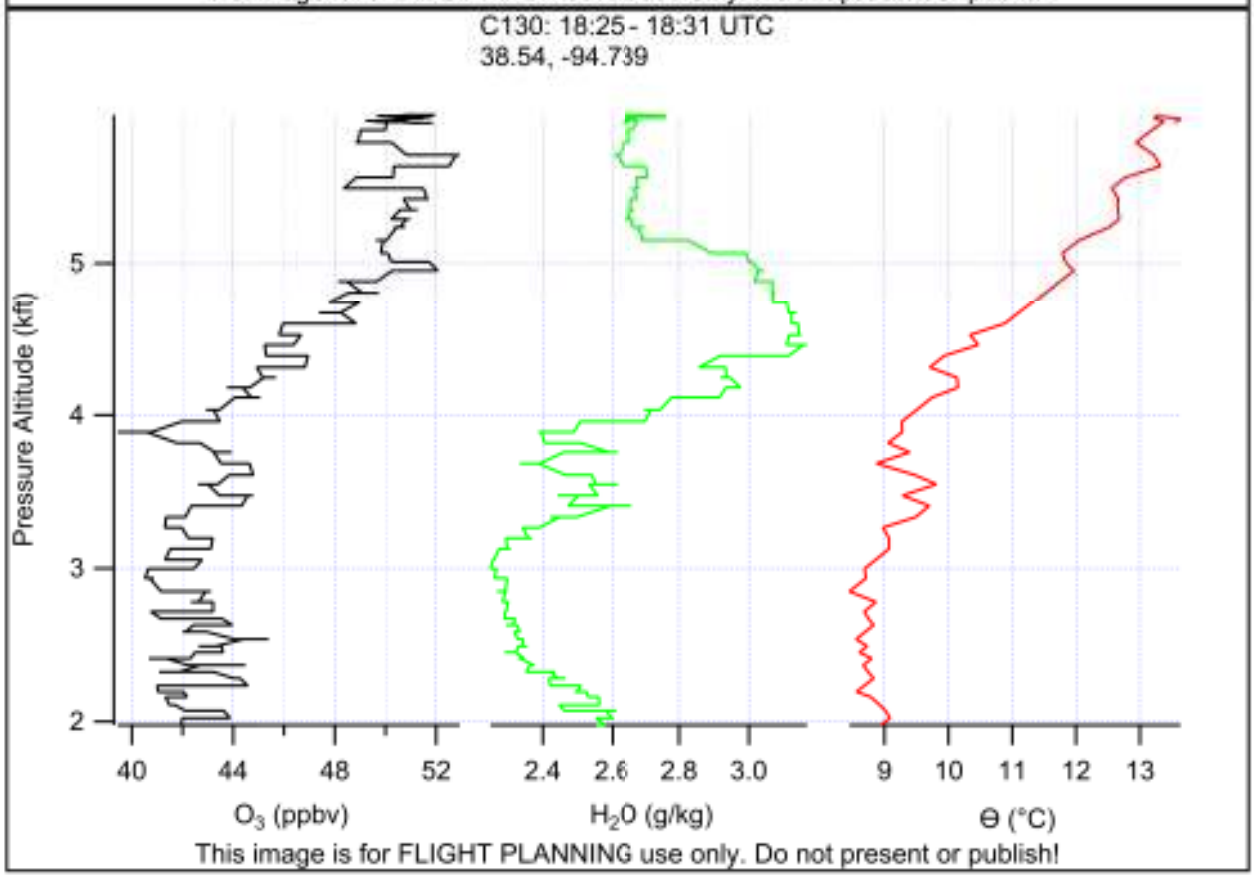

C130: 21:00 - 21:14 UTC
40.53, -96.551
Pressure Altitude (kft)
18
16
14
12
10
8
6
4
2
410
412
414
CO_2 (ppmv)
1.90
1.92
1.94
1.96
CH_4 (ppmv)
0.12
0.14
0.16
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

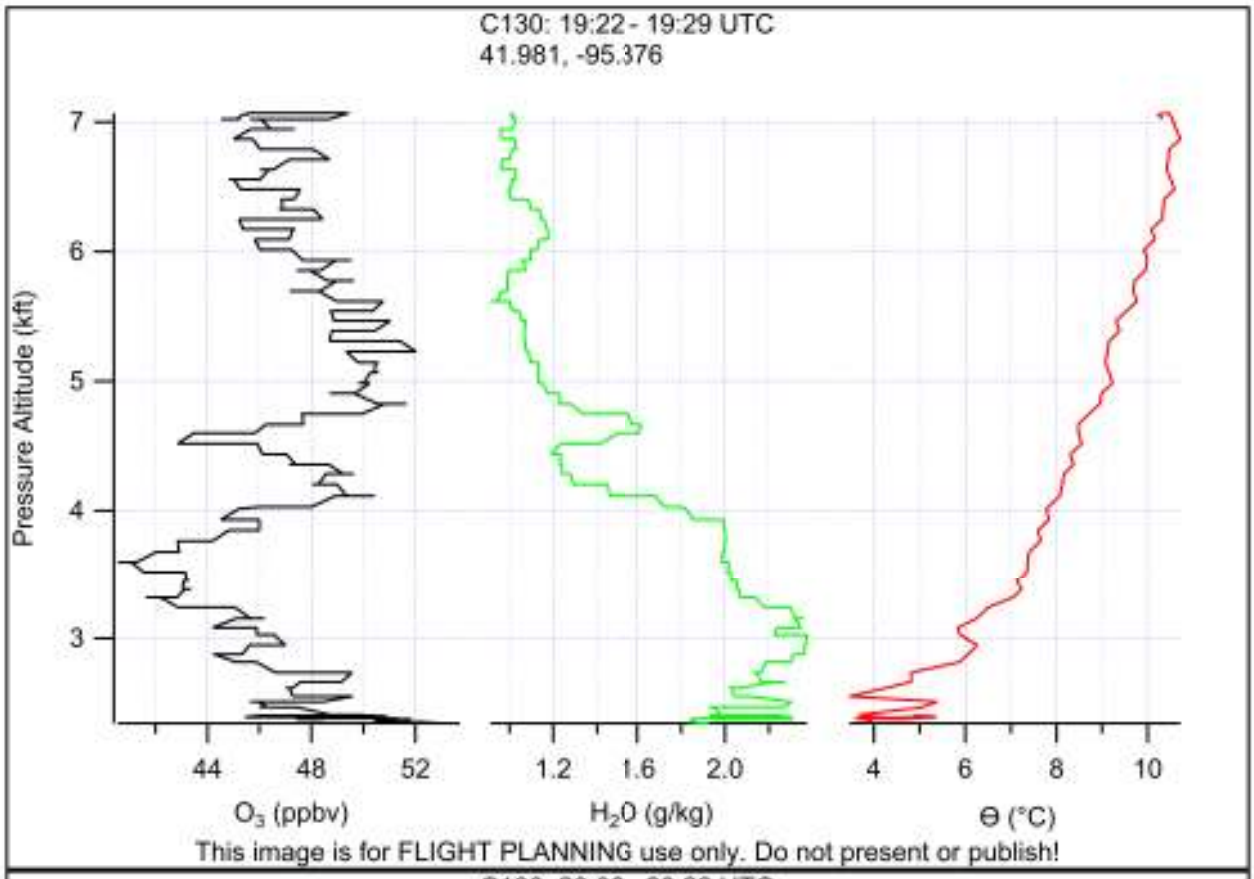

C130: 16:48 - 17:01 UTC
40.923, -96.64
Pressure Altitude (kft)
12
10
8
6
4
2
35
40
45
50
55
60
O_3 (ppbv)
0.5
1.0
1.5
2.0
H_2O (g/kg)
8
12
16
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

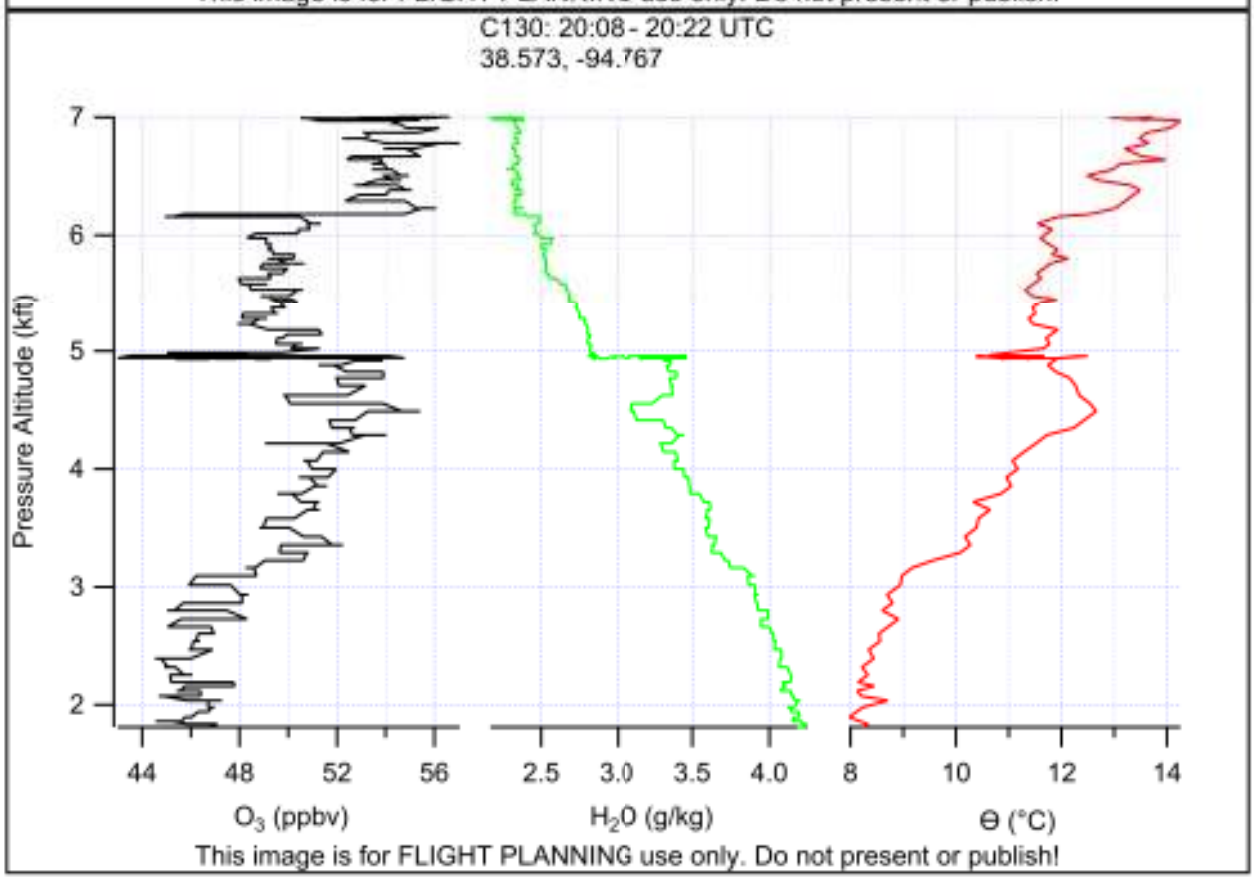

C130: 17:40 - 17:46 UTC
39.956, -95.321
Pressure Altitude (kft)
12
10
8
6
48
52
56
60
O3 (ppbv)
0.5
1.0
1.5
2.0
H2O (g/kg)
12
13
14
15
16
17
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 17:47 - 17:55 UTC
39.421, -95.306
Pressure Altitude (kft)
12
10
8
6
45
50
55
60
O3 (ppbv)
0.5
1.0
1.5
2.0
H2O (g/kg)
12
14
16
18
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 18:09 - 18:18 UTC
37.92, -94.228
Pressure Altitude (kft)
12
11
10
9
8
7
6
48
52
56
2.0
2.4
2.8
3.2
16
20
24
O3 (ppbv)
H2O (g/kg)
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 18:25 - 18:31 UTC
38.54, -94.739
Pressure Altitude (kft)
5
4
3
2
40
44
48
52
2.4
2.6
2.8
3.0
9
10
11
12
13
O3 (ppbv)
H2O (g/kg)
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 19:22 - 19:29 UTC
41.981, -95.376
Pressure Altitude (kft)
7
6
5
4
3
44
48
52
1.2
1.6
2.0
4
6
8
10
O3 (ppbv)
H2O (g/kg)
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 20:08 - 20:22 UTC
38.573, -94.767
Pressure Altitude (kft)
7
6
5
4
3
2
44
48
52
56
2.5
3.0
3.5
4.0
8
10
12
14
O3 (ppbv)
H2O (g/kg)
Θ (°C)
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