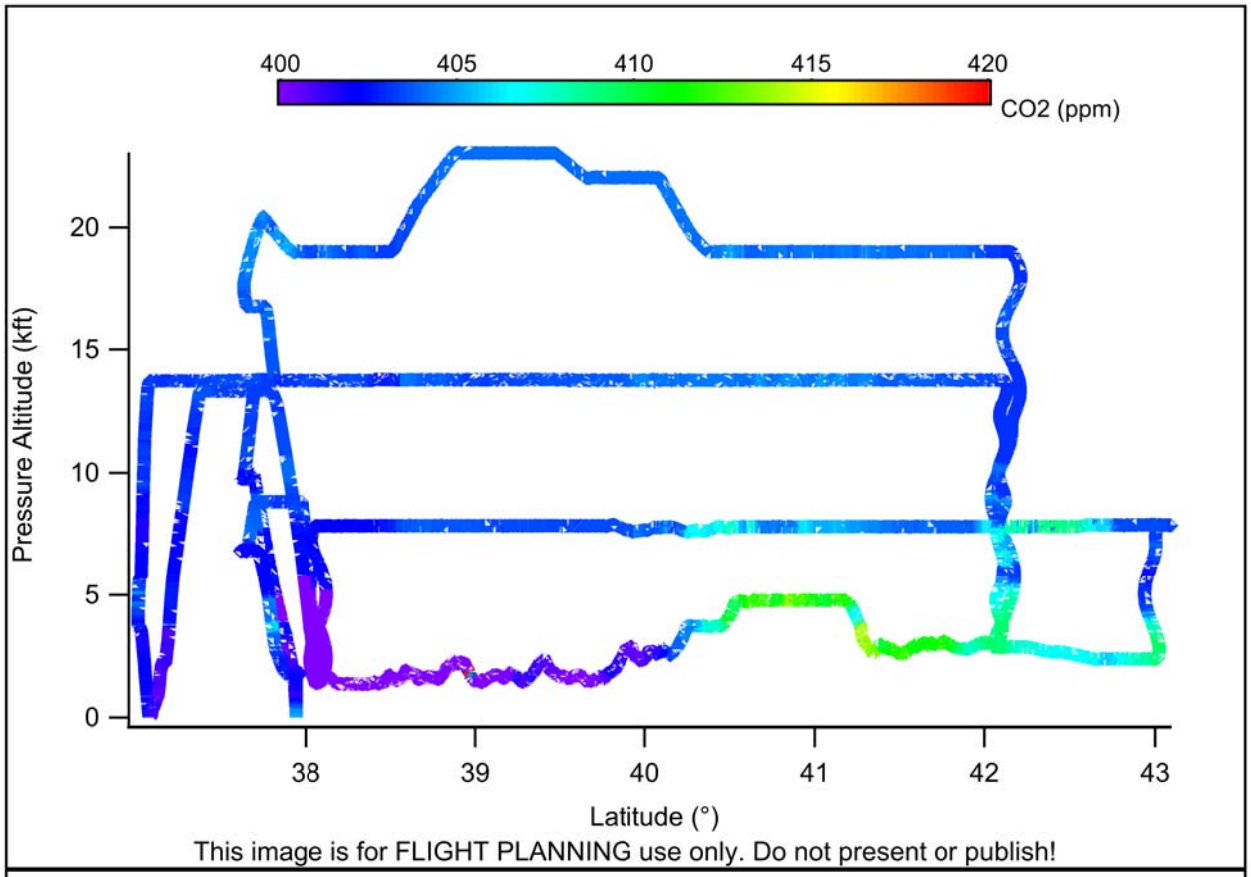
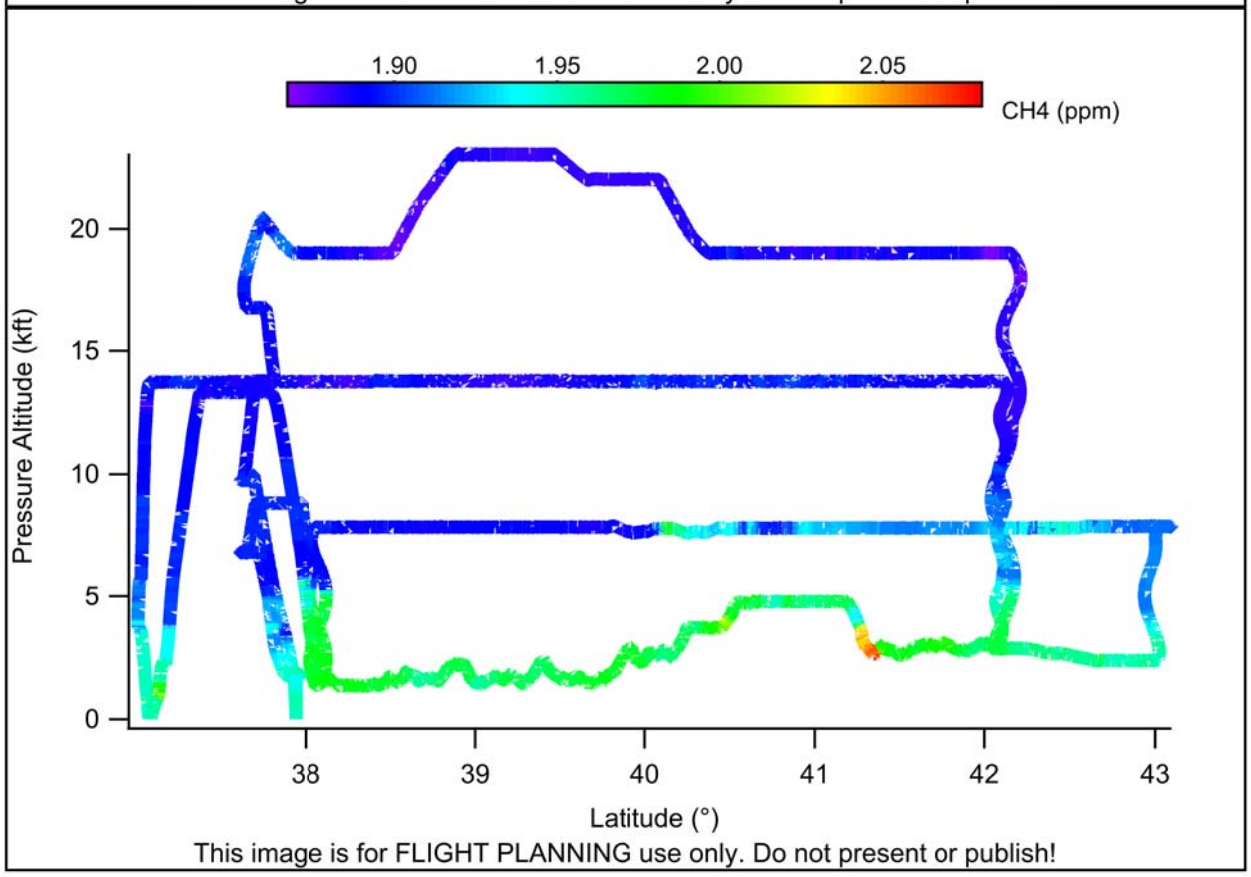
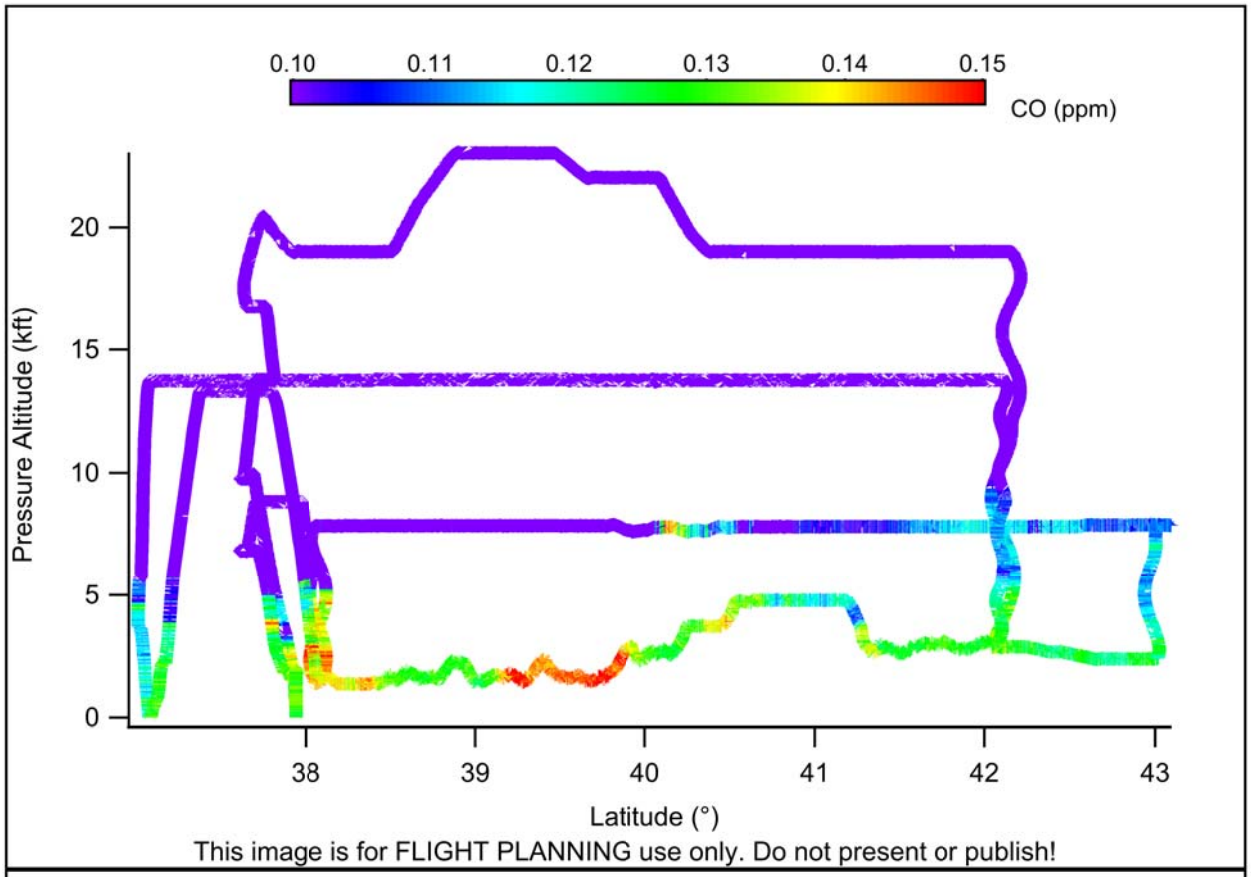
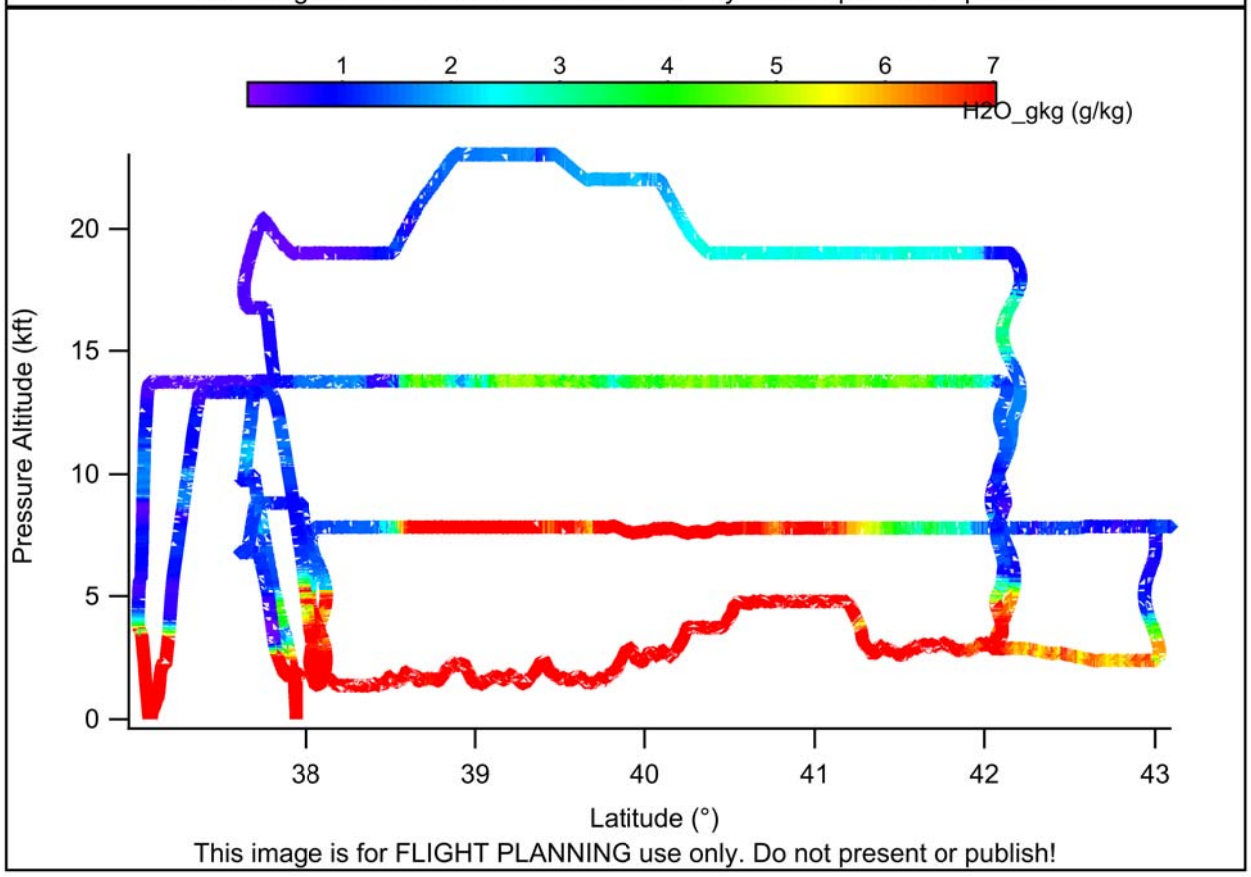
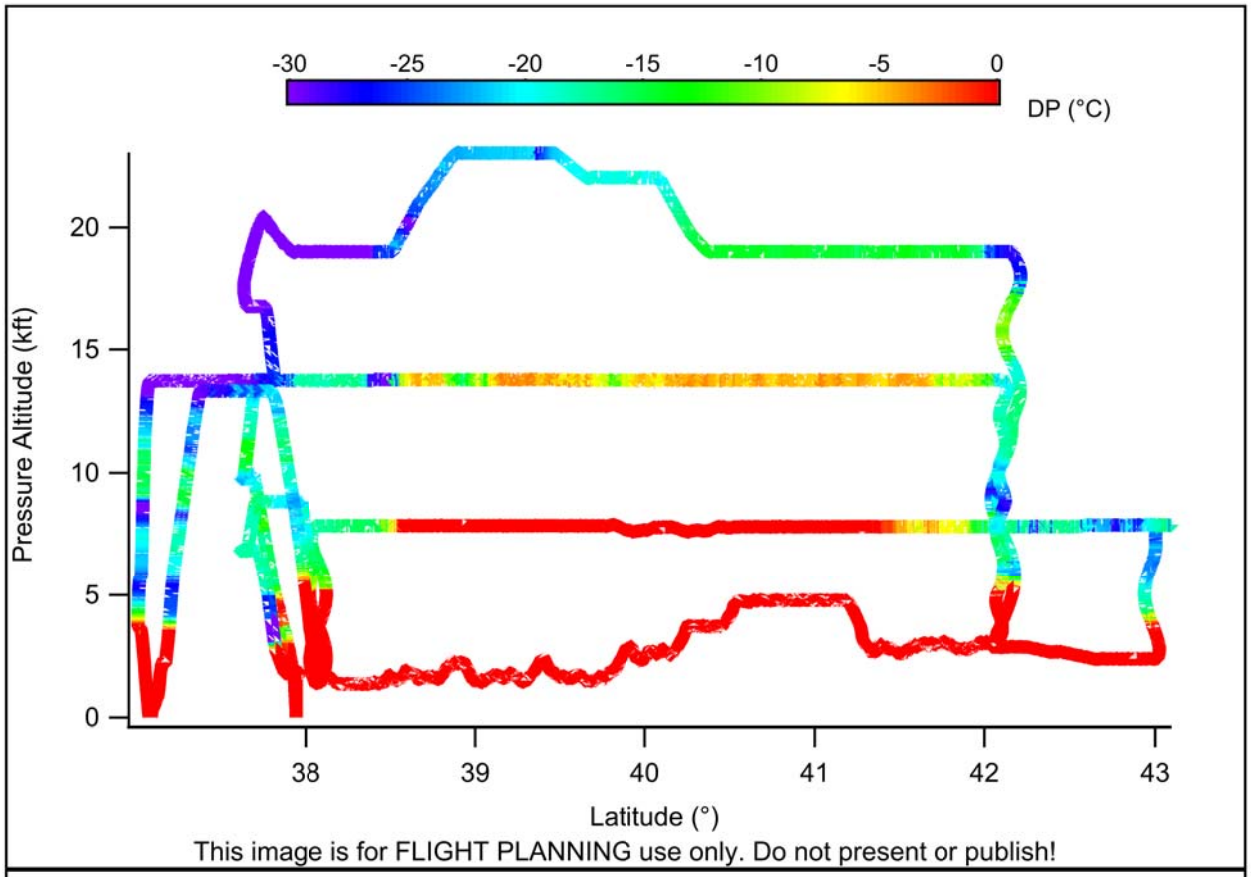
ACT-America 20171005

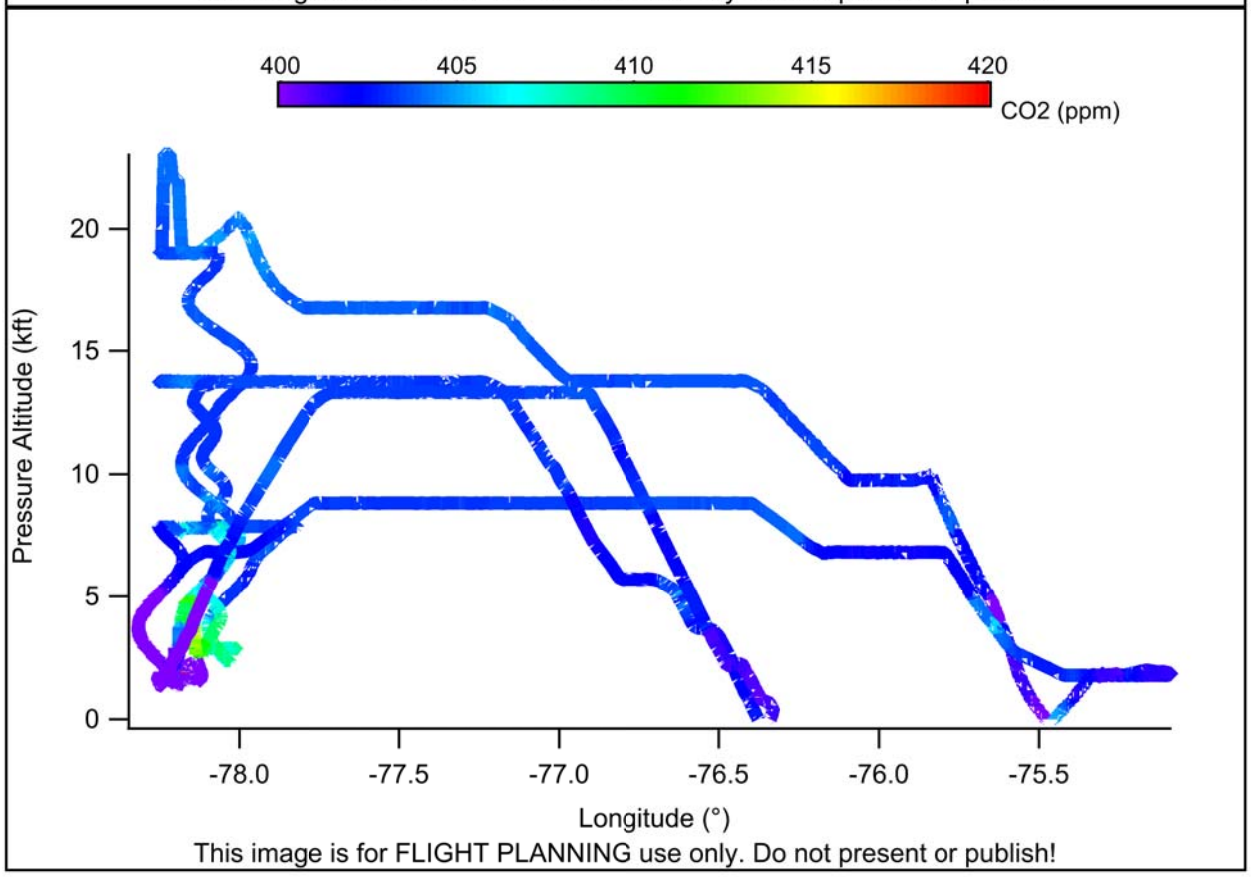

400
405
410
415
420
CO2 (ppm)
Pressure Altitude (kft)
20
15
10
5
0
38
39
40
41
42
43
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

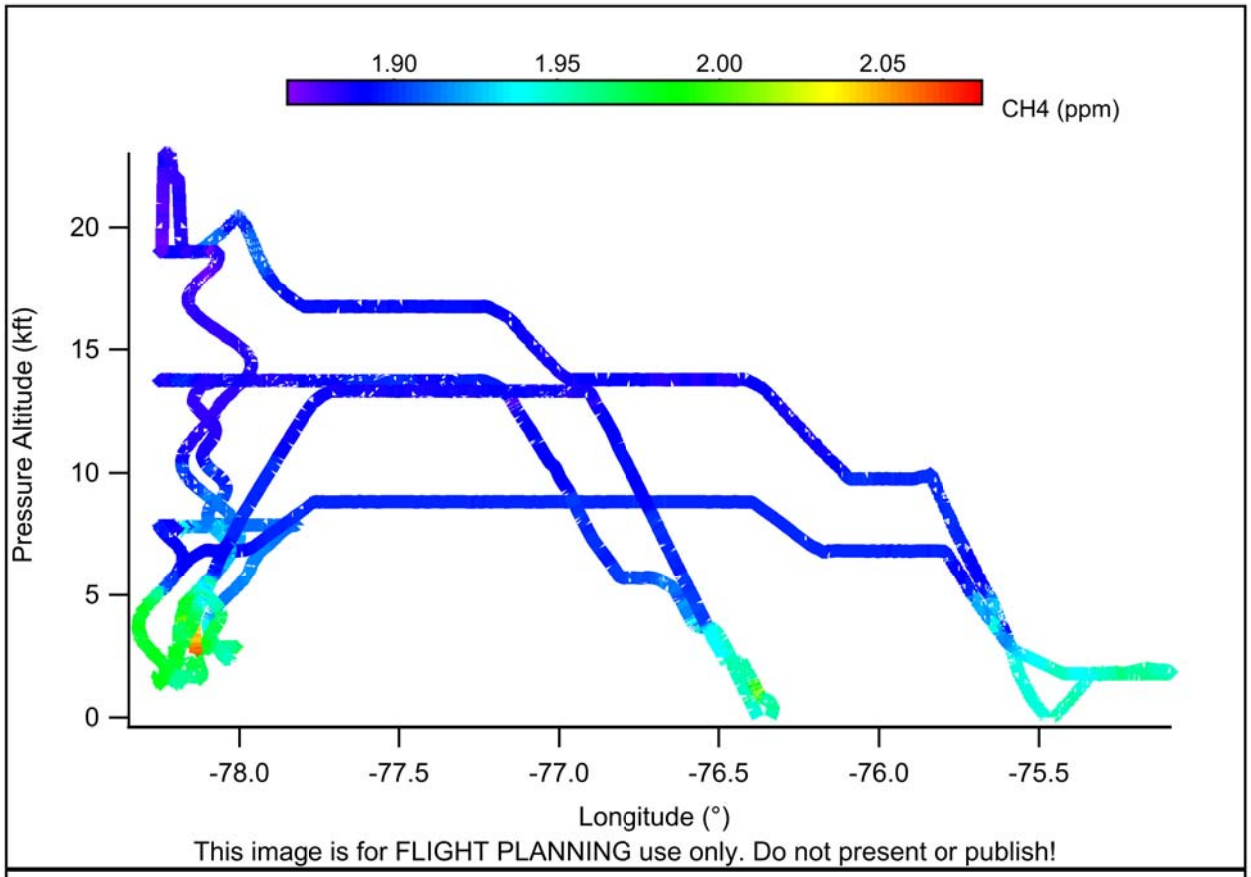

1.90
1.95
2.00
2.05
CH4 (ppm)
Pressure Altitude (kft)
20
15
10
5
0
38
39
40
41
42
43
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

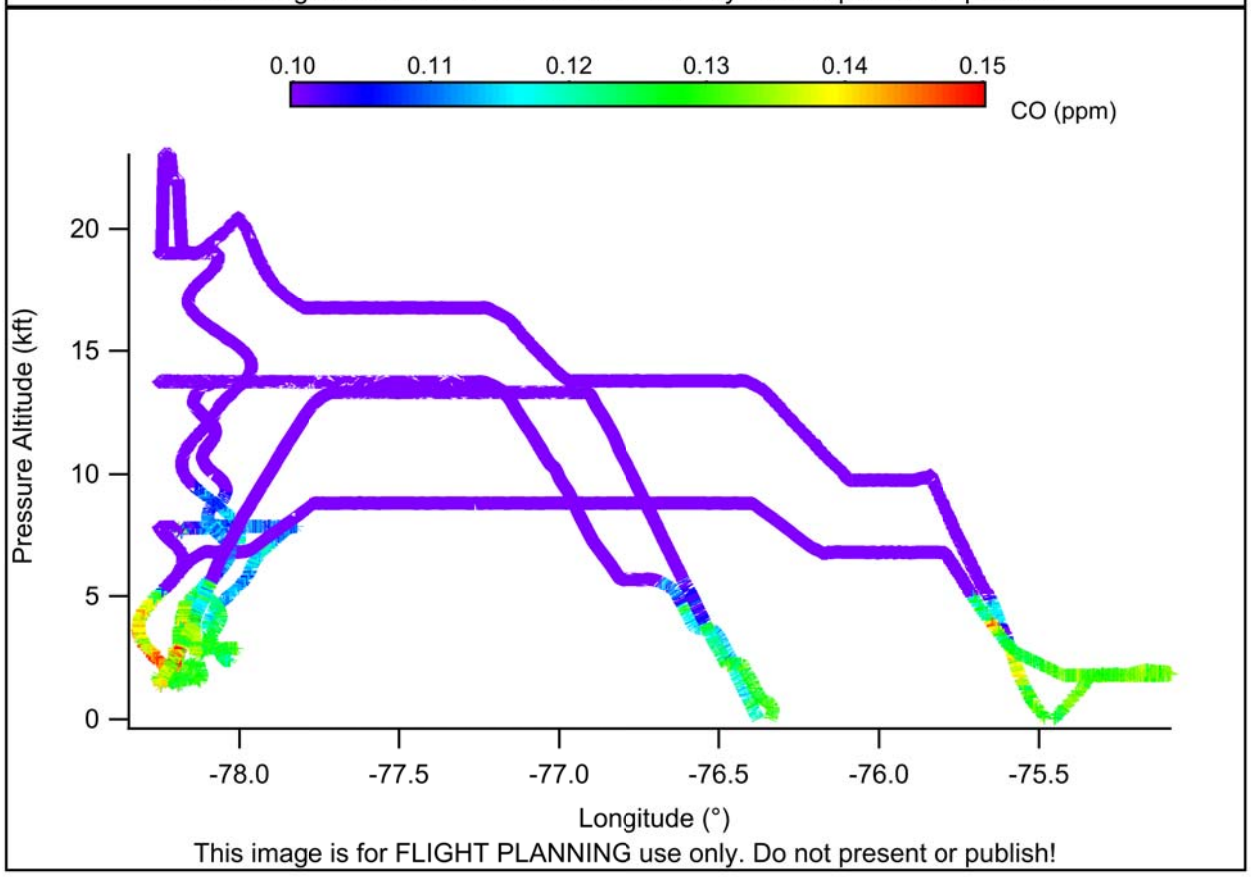

0.10
0.11
0.12
0.13
0.14
0.15
CO (ppm)
Pressure Altitude (kft)
20
15
10
5
0
38
39
40
41
42
43
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

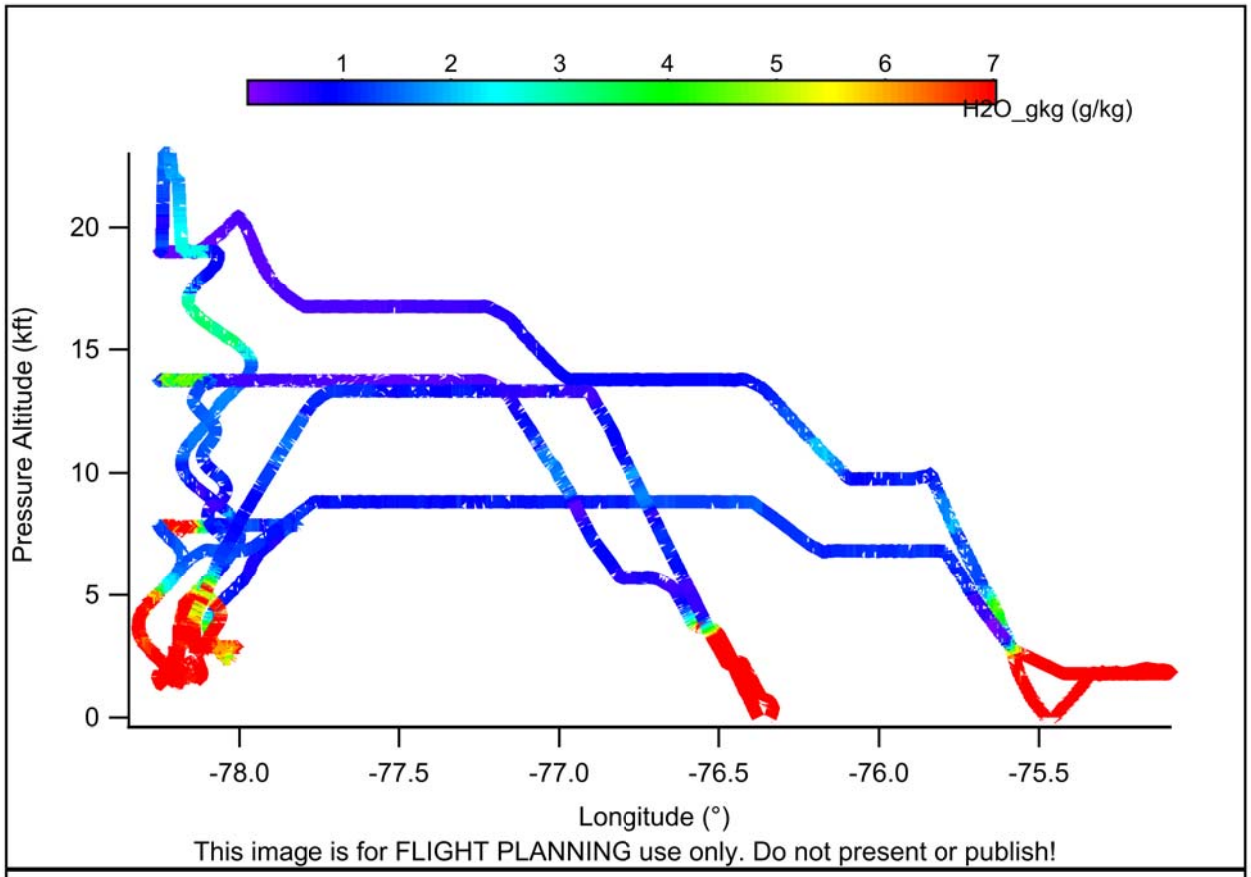

1
2
3
4
5
6
7
H2O_gkg (g/kg)
Pressure Altitude (kft)
20
15
10
5
0
38
39
40
41
42
43
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

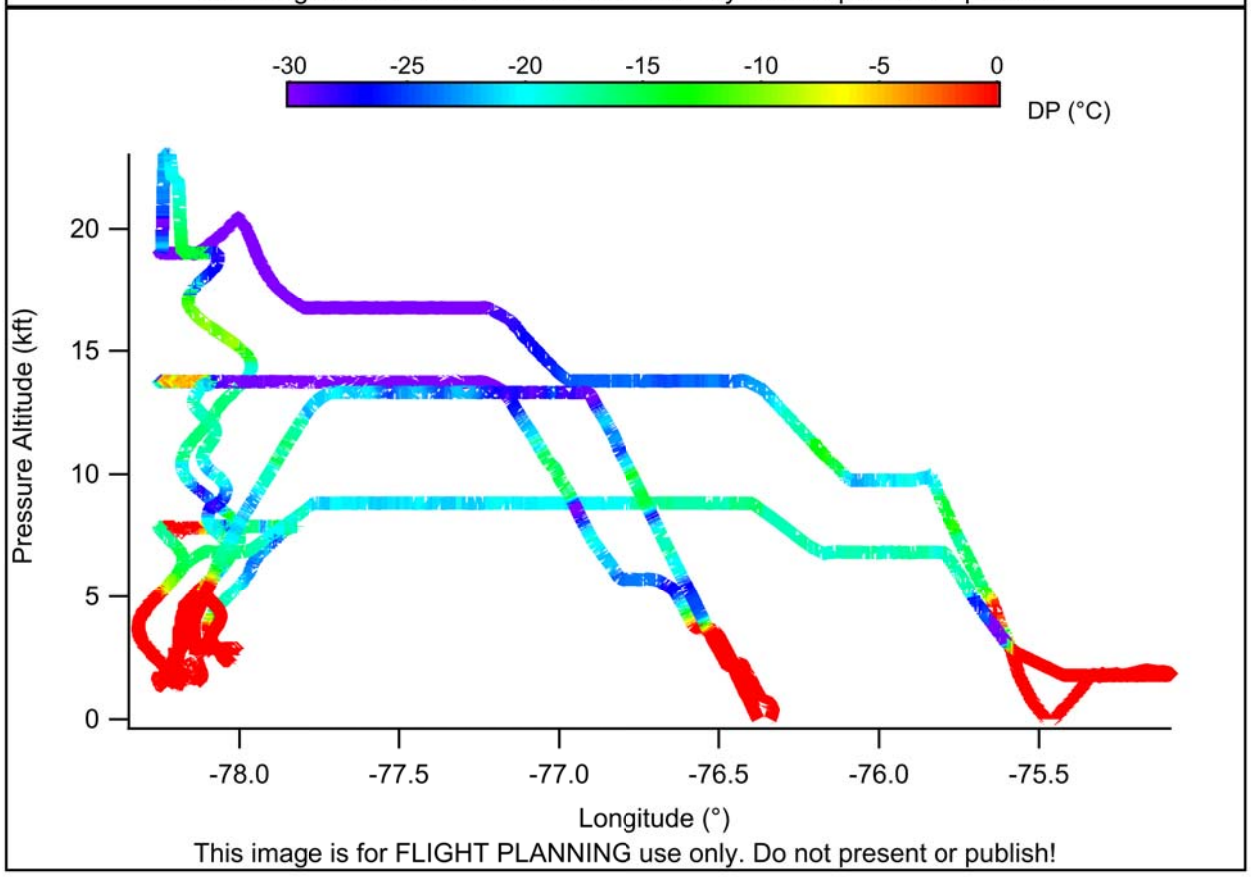

-30
-25
-20
-15
-10
-5
0
DP (°C)
Pressure Altitude (kft)
20
15
10
5
0
38
39
40
41
42
43
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

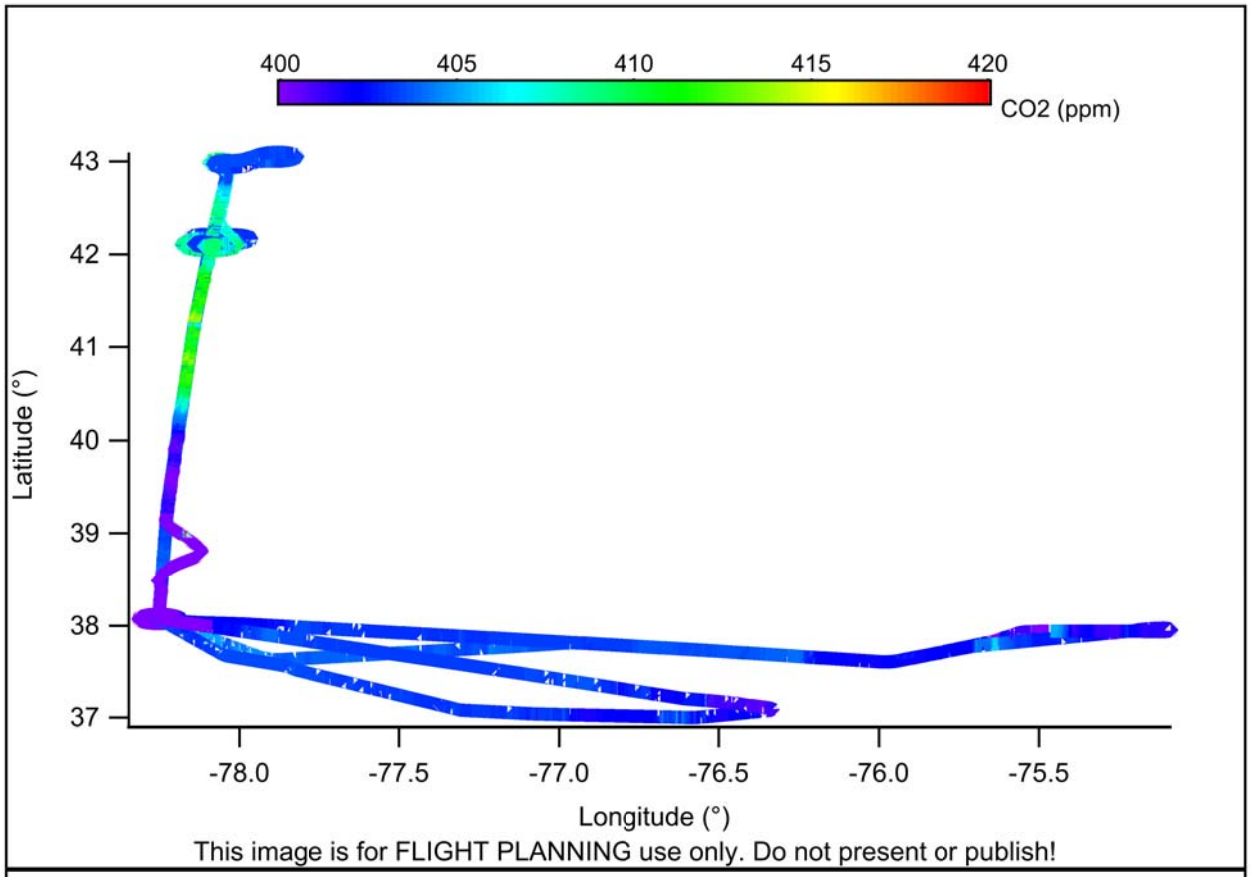

400
405
410
415
420
CO2 (ppm)
Pressure Altitude (kft)
20
15
10
5
0
-78.0
-77.5
-77.0
-76.5
-76.0
-75.5
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

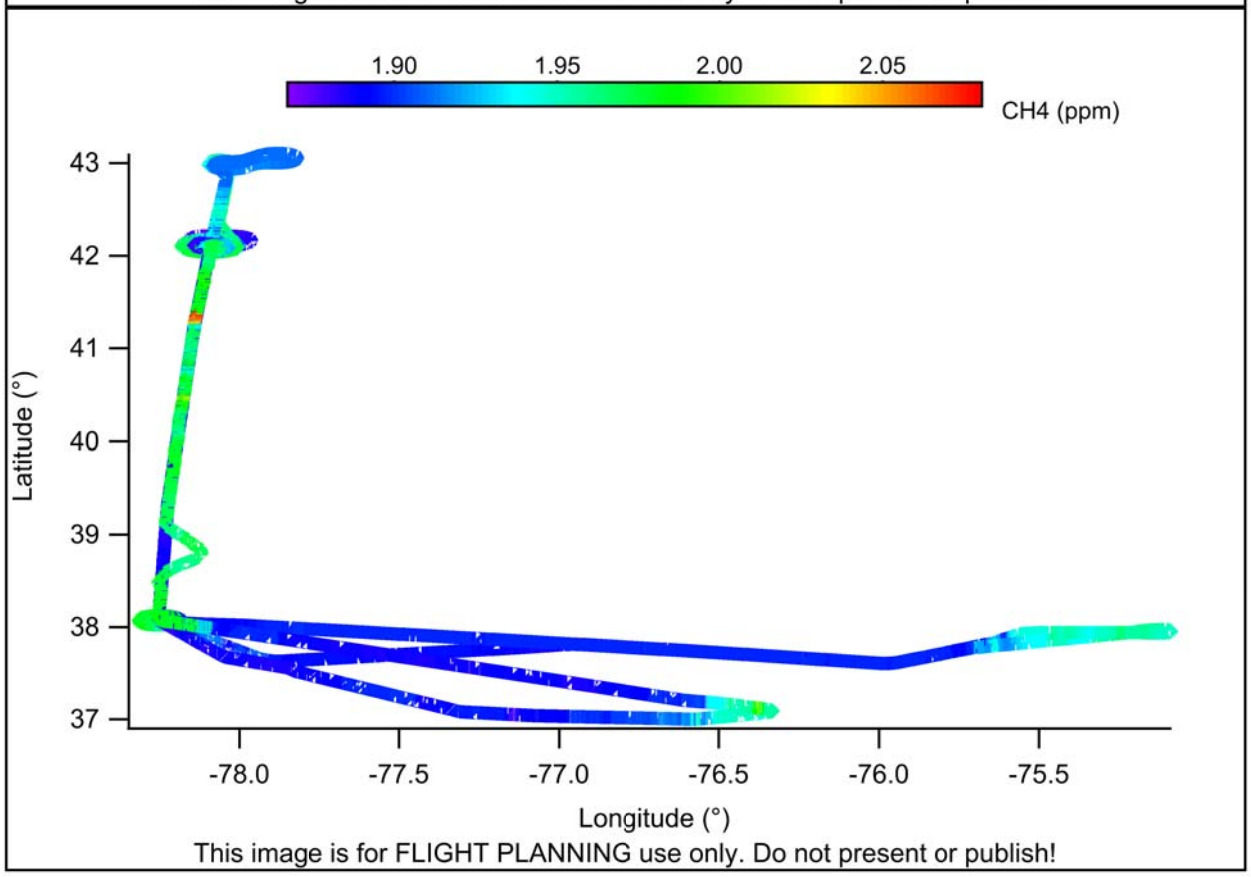

1.90
1.95
2.00
2.05
CH4 (ppm)
Pressure Altitude (kft)
20
15
10
5
0
-78.0
-77.5
-77.0
-76.5
-76.0
-75.5
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

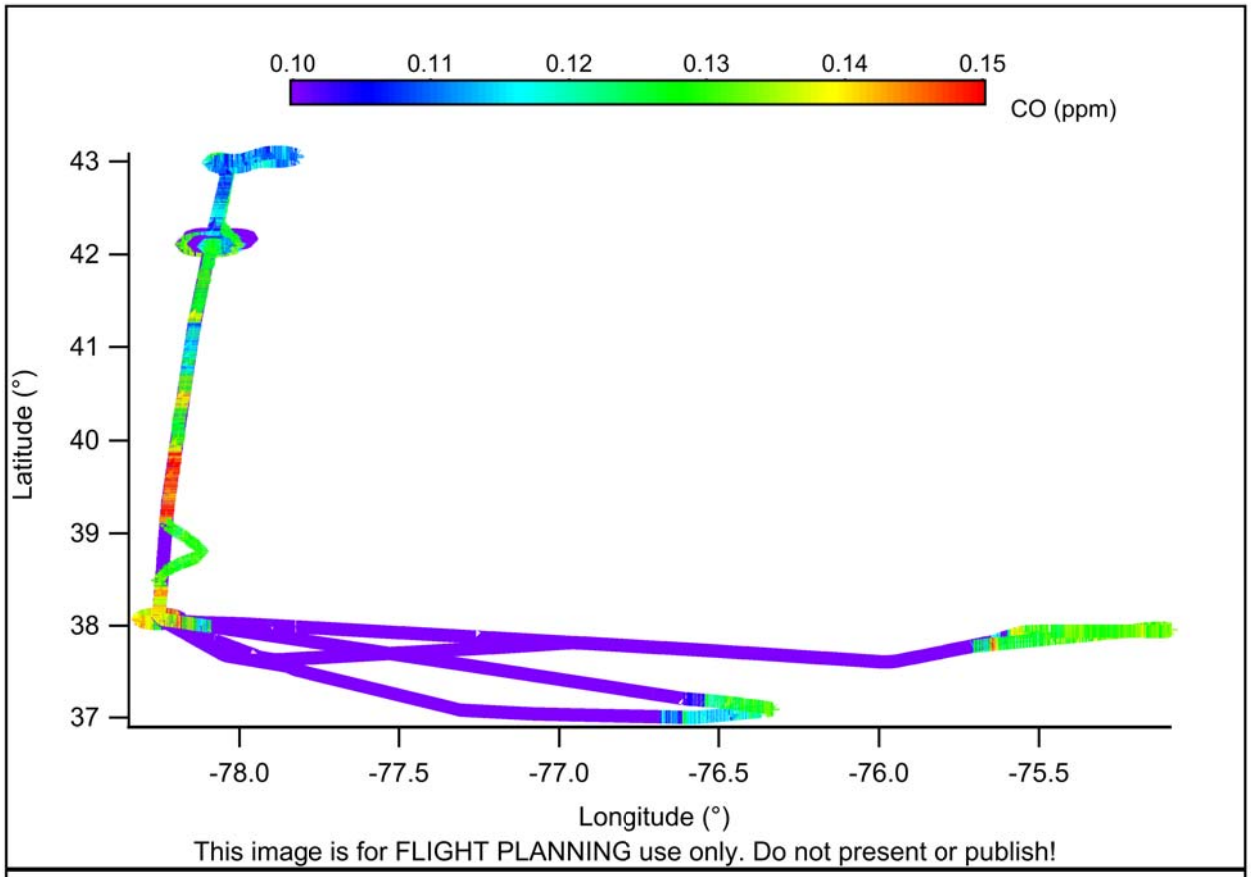

0.10
0.11
0.12
0.13
0.14
0.15
CO (ppm)
Pressure Altitude (kft)
20
15
10
5
0
-78.0
-77.5
-77.0
-76.5
-76.0
-75.5
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

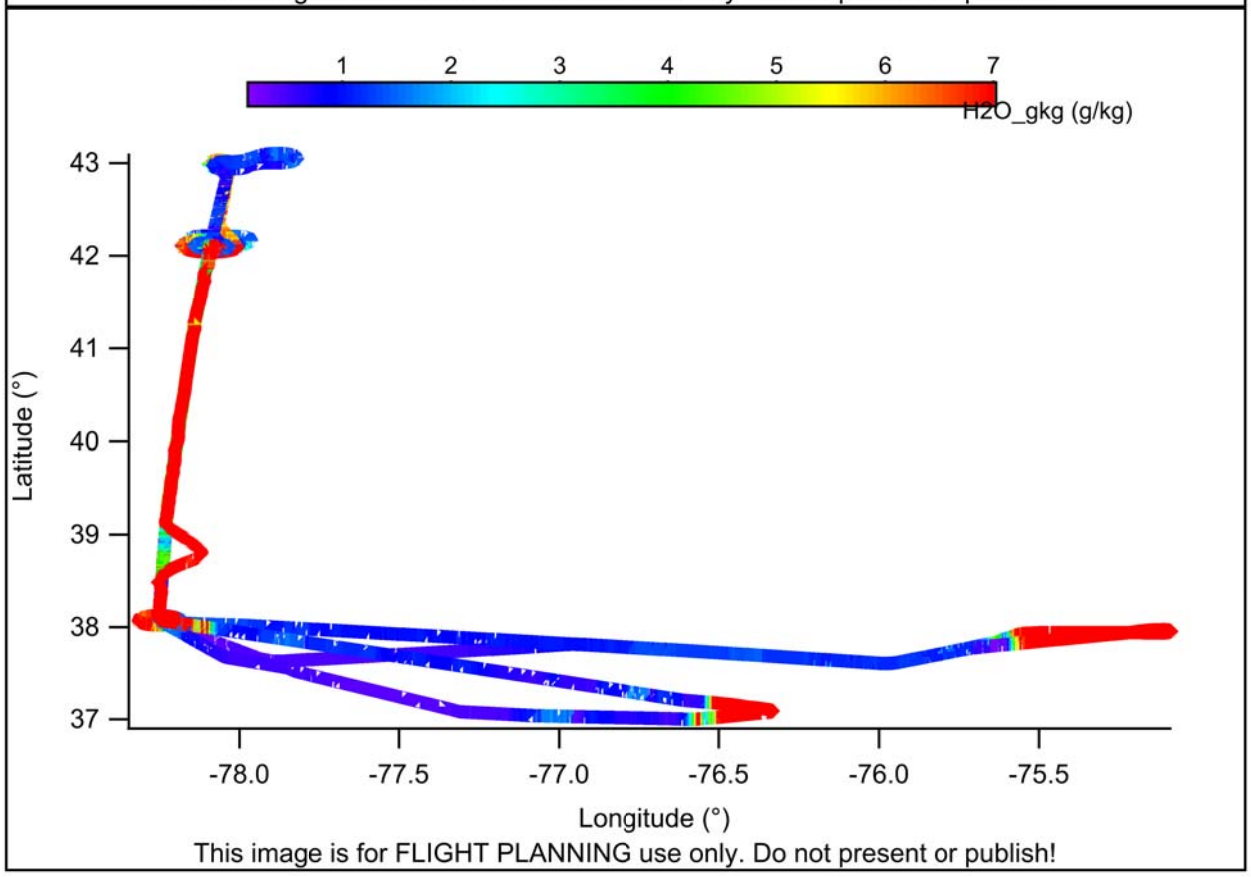

1
2
3
4
5
6
7
H2O_gkg (g/kg)
Pressure Altitude (kft)
20
15
10
5
0
-78.0
-77.5
-77.0
-76.5
-76.0
-75.5
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

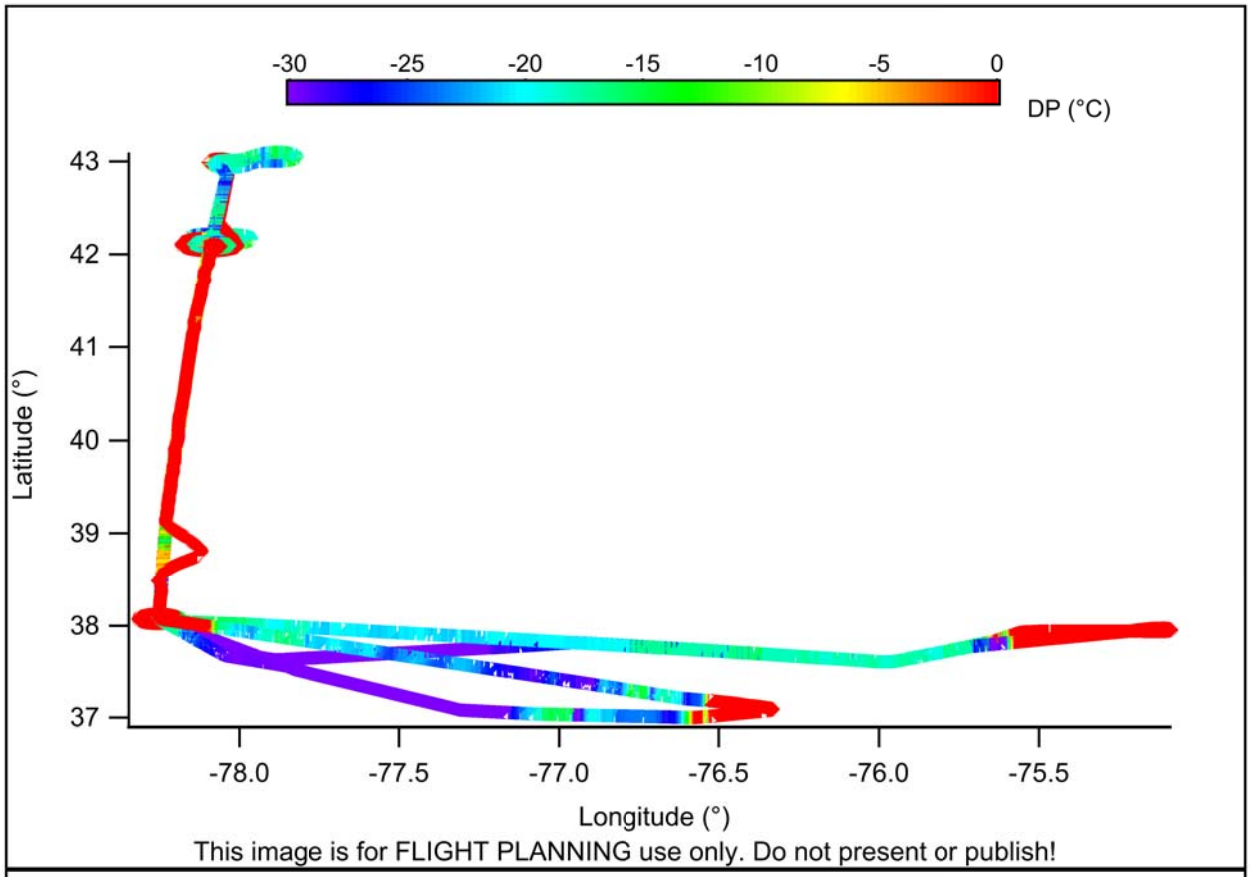

-30
-25
-20
-15
-10
-5
0
DP (°C)
Pressure Altitude (kft)
20
15
10
5
0
-78.0
-77.5
-77.0
-76.5
-76.0
-75.5
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

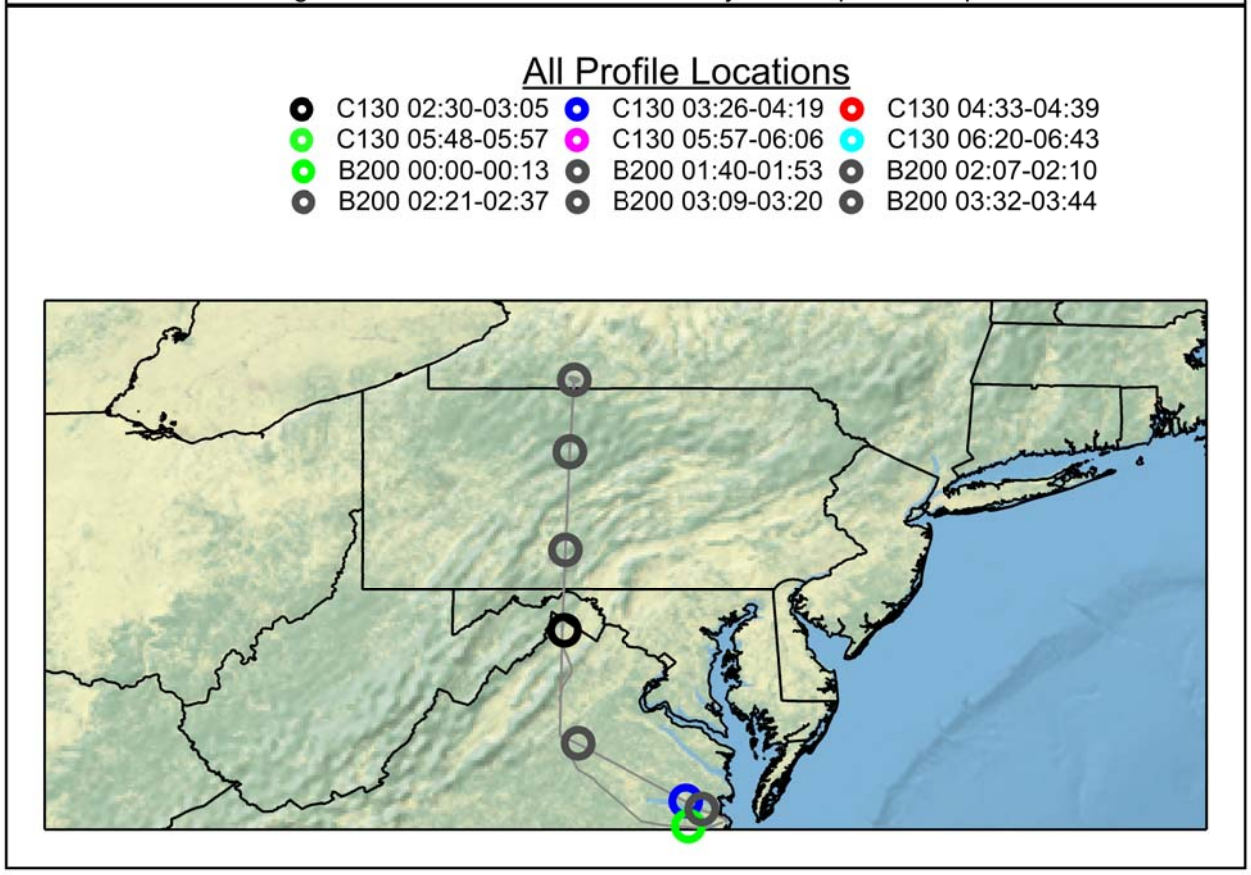

400
405
410
415
420
CO2 (ppm)
43
42
41
40
39
38
37
Latitude (°)
-78.0
-77.5
-77.0
-76.5
-76.0
-75.5
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

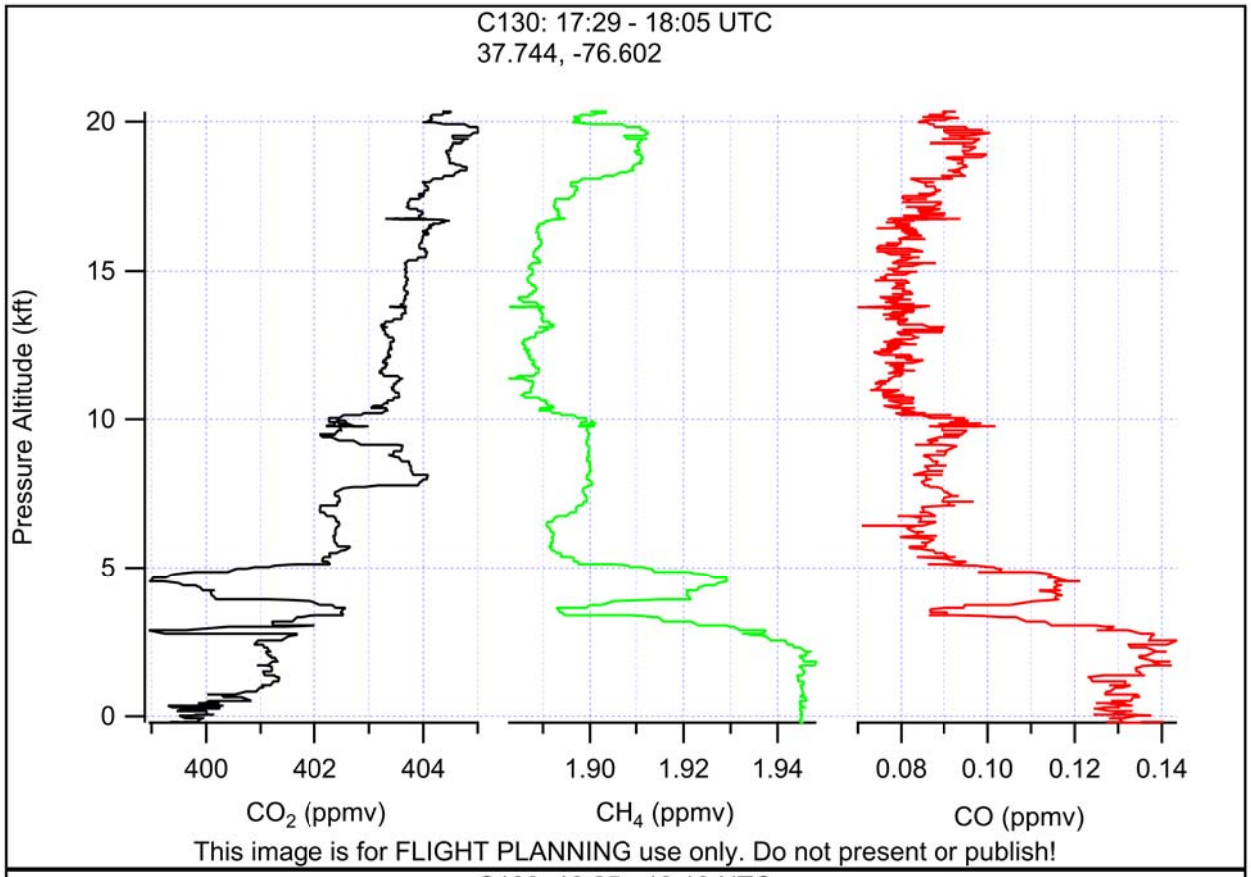

1.90
1.95
2.00
2.05
CH4 (ppm)
43
42
41
40
39
38
37
Latitude (°)
-78.0
-77.5
-77.0
-76.5
-76.0
-75.5
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

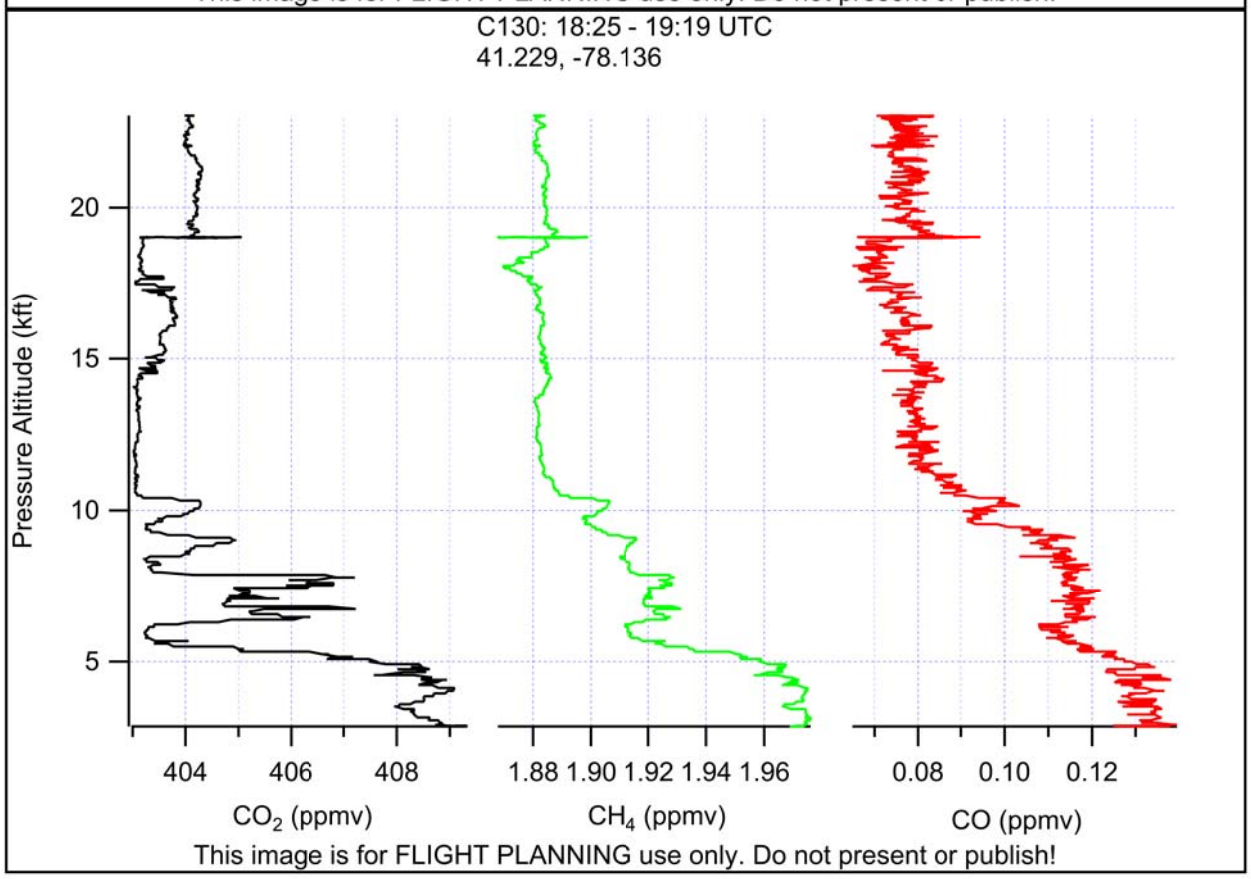

0.10
0.11
0.12
0.13
0.14
0.15
CO (ppm)
43
42
41
40
39
38
37
Latitude (°)
-78.0
-77.5
-77.0
-76.5
-76.0
-75.5
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

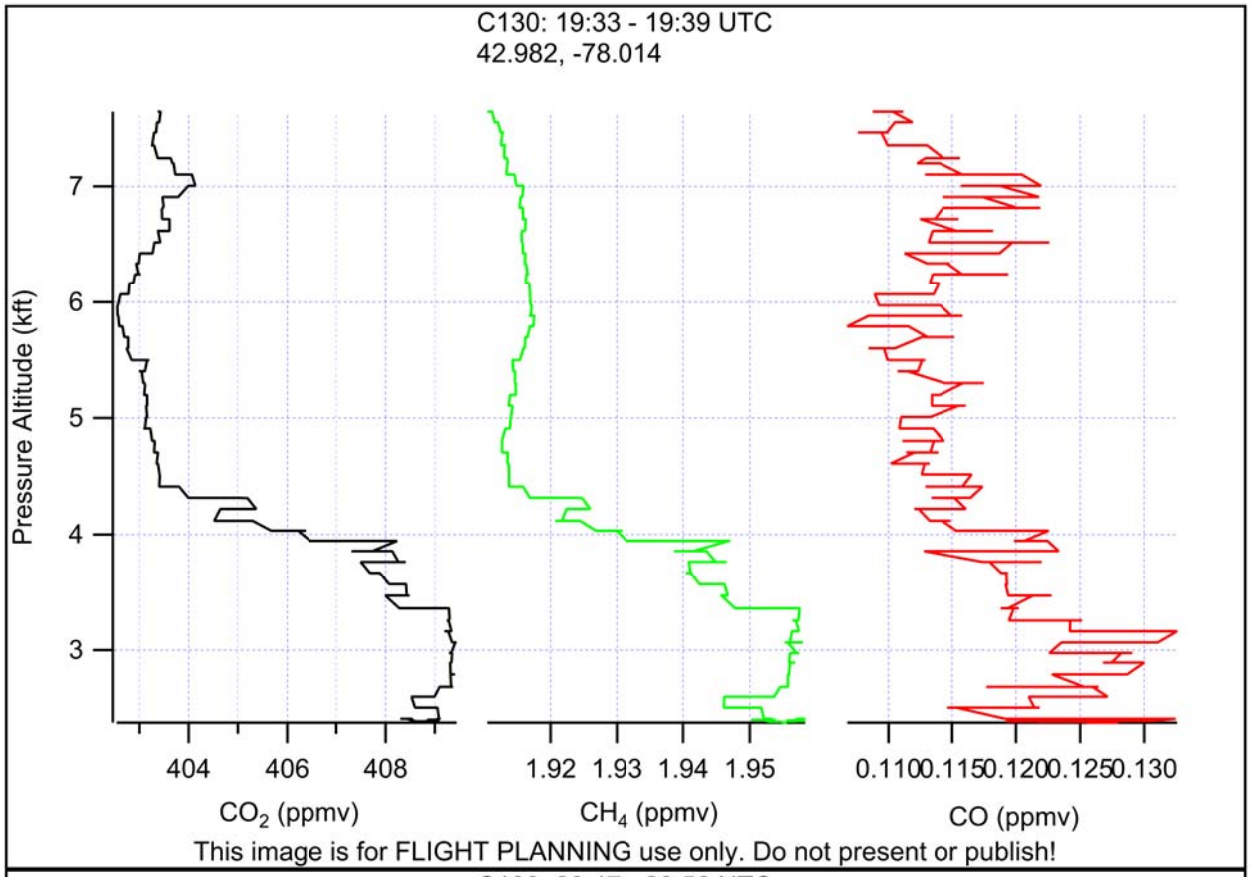

1
2
3
4
5
6
7
H2O_gkg (g/kg)
43
42
41
40
39
38
37
Latitude (°)
-78.0
-77.5
-77.0
-76.5
-76.0
-75.5
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


-30
-25
-20
-15
-10
-5
0
DP (°C)
43
42
41
40
39
38
37
Latitude (°)
-78.0
-77.5
-77.0
-76.5
-76.0
-75.5
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


All Profile Locations
C130 02:30-03:05
C130 03:26-04:19
C130 04:33-04:39
C130 05:48-05:57
C130 05:57-06:06
C130 06:20-06:43
B200 00:00-00:13
B200 01:40-01:53
B200 02:07-02:10
B200 02:21-02:37
B200 03:09-03:20
B200 03:32-03:44


C130: 17:29 - 18:05 UTC
37.744, -76.602
Pressure Altitude (kft)
20
15
10
5
0
400
402
404
CO_2 (ppmv)
1.90
1.92
1.94
CH_4 (ppmv)
0.08
0.10
0.12
0.14
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 18:25 - 19:19 UTC
41.229, -78.136
Pressure Altitude (kft)
20
15
10
5
404
406
408
CO_2 (ppmv)
1.88 1.90 1.92 1.94 1.96
CH_4 (ppmv)
0.08
0.10
0.12
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 19:33 - 19:39 UTC
42.982, -78.014
Pressure Altitude (kft)
7
6
5
4
3
404
406
408
CO2 (ppmv)
1.92
1.93
1.94
1.95
CH4 (ppmv)
0.110
0.115
0.120
0.125
0.130
CO (ppmv)
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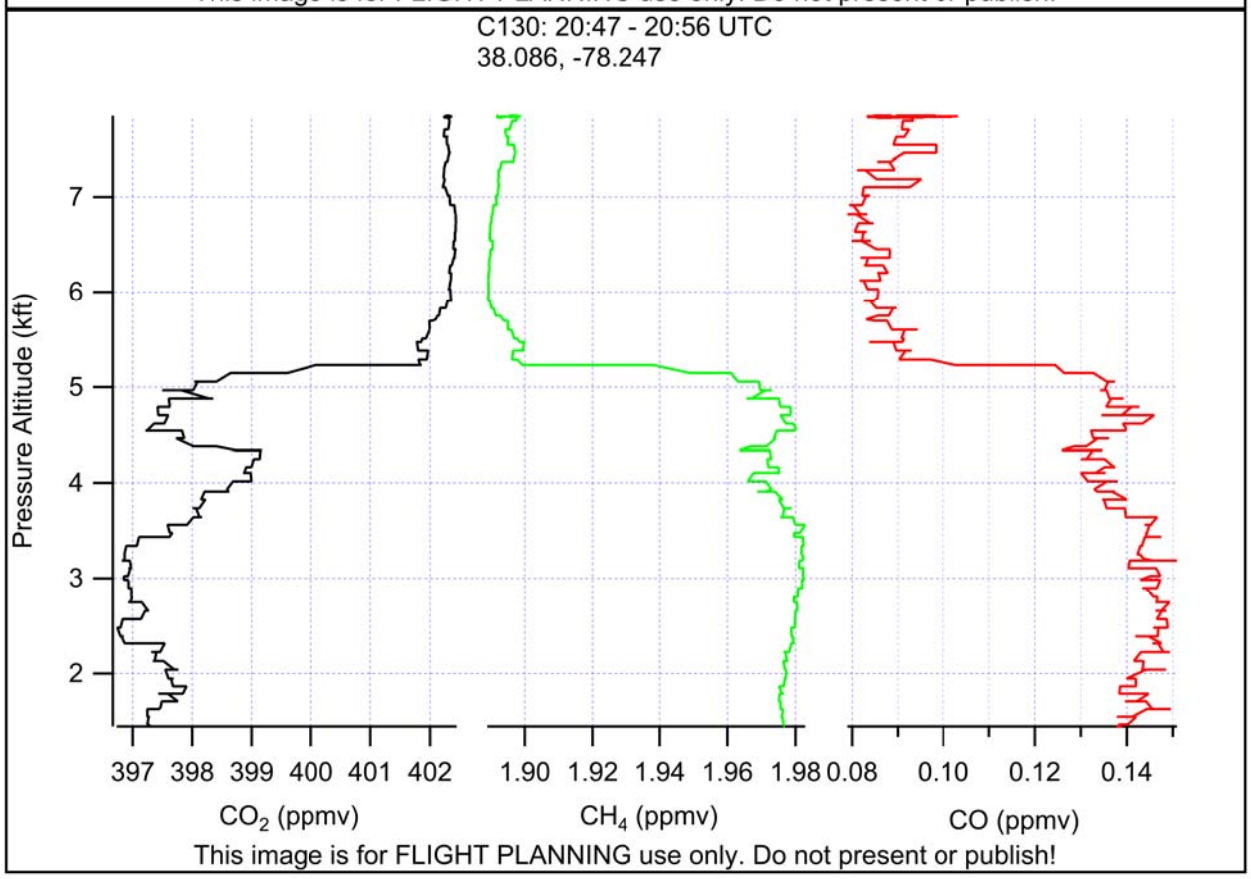
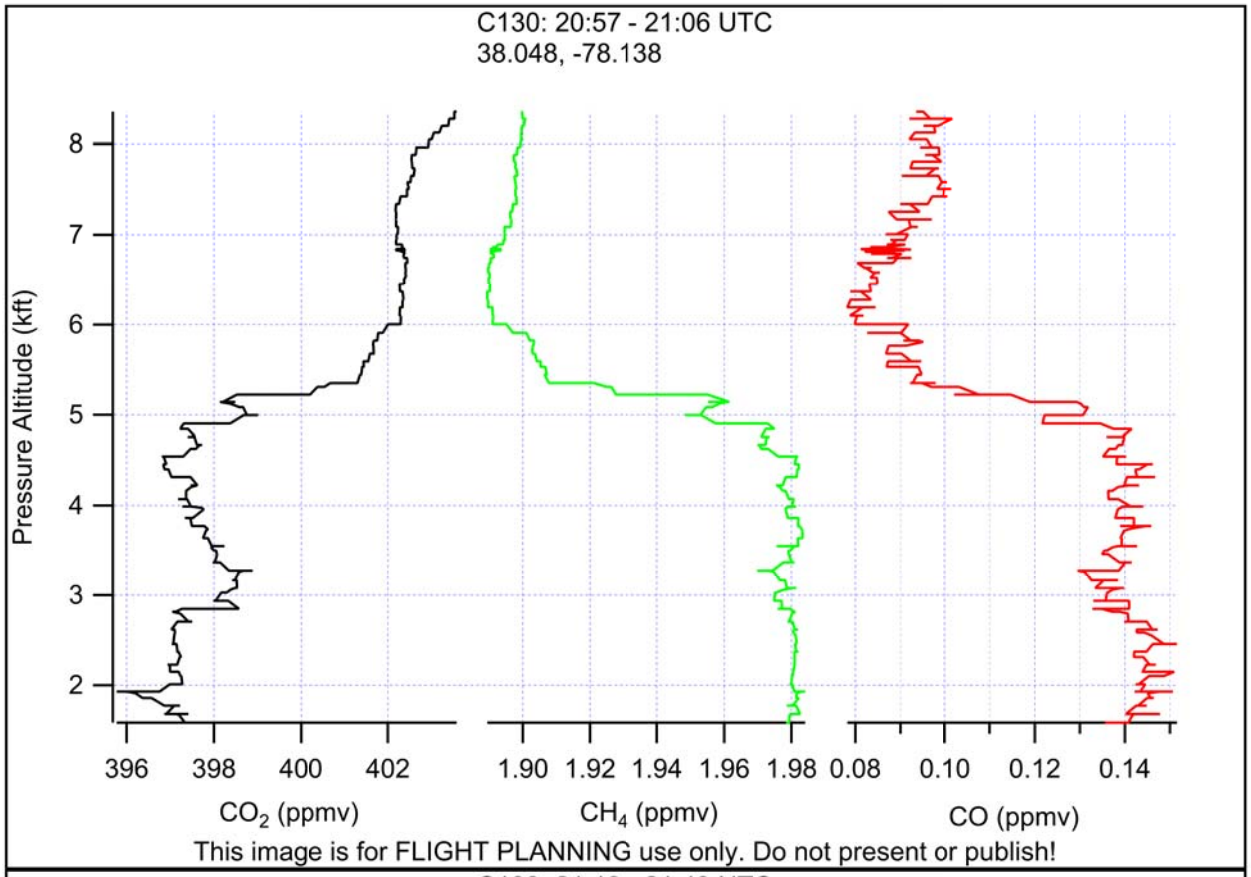
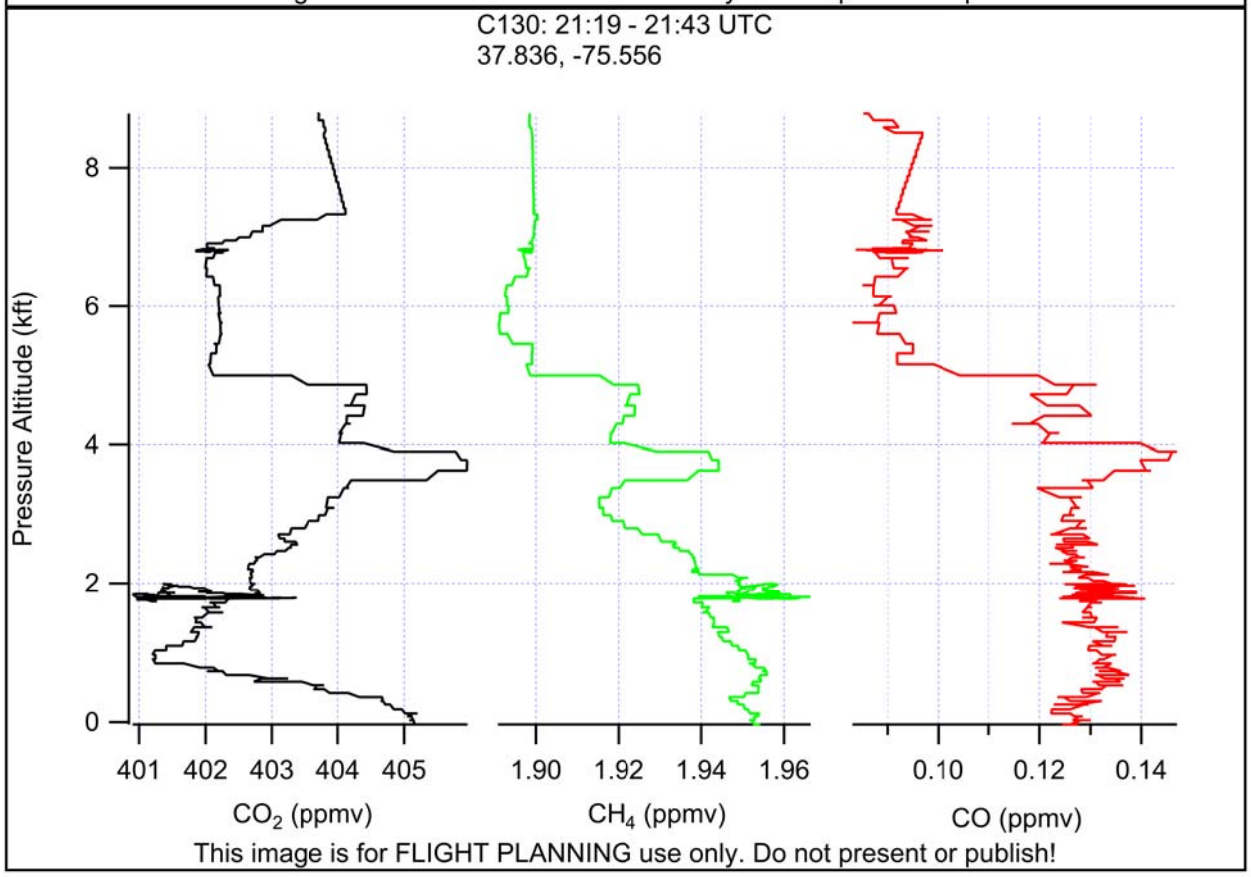
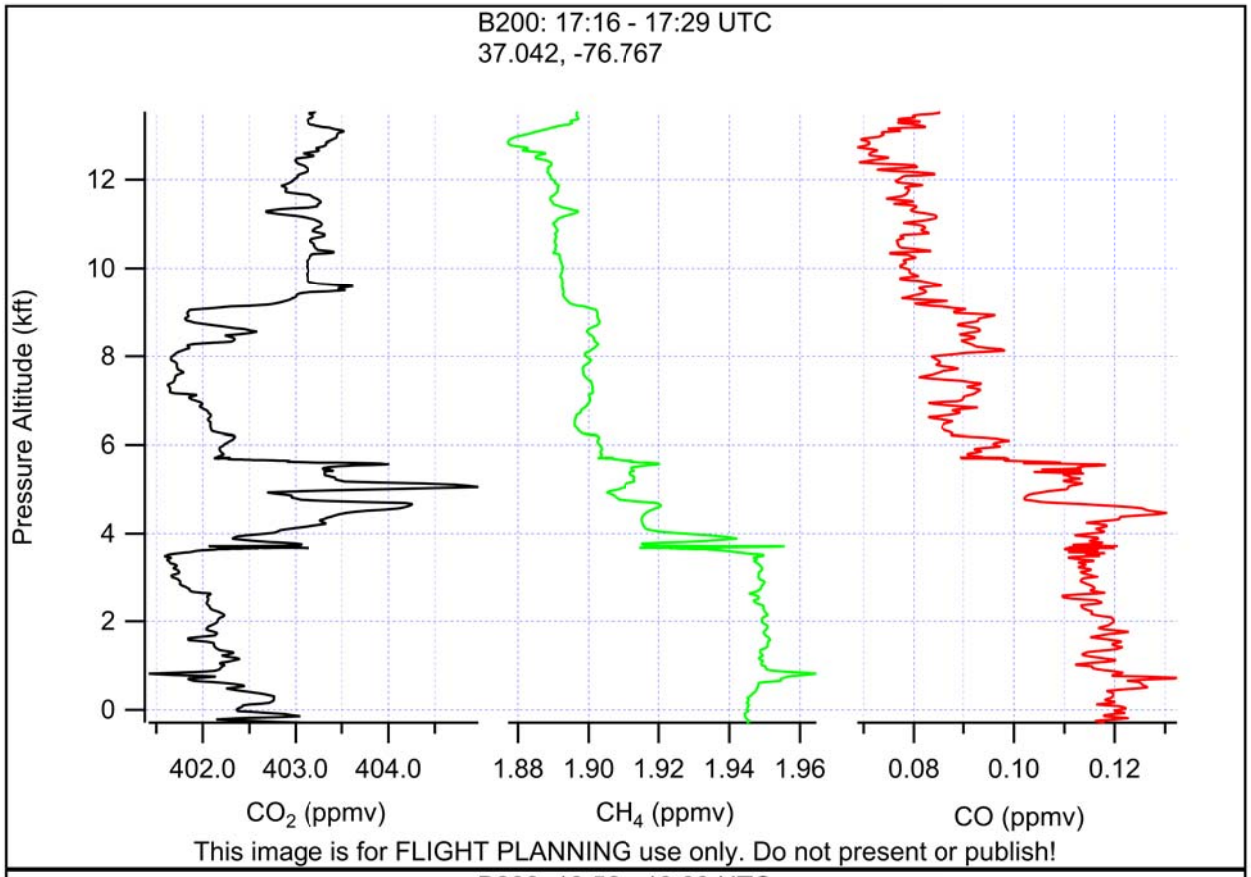
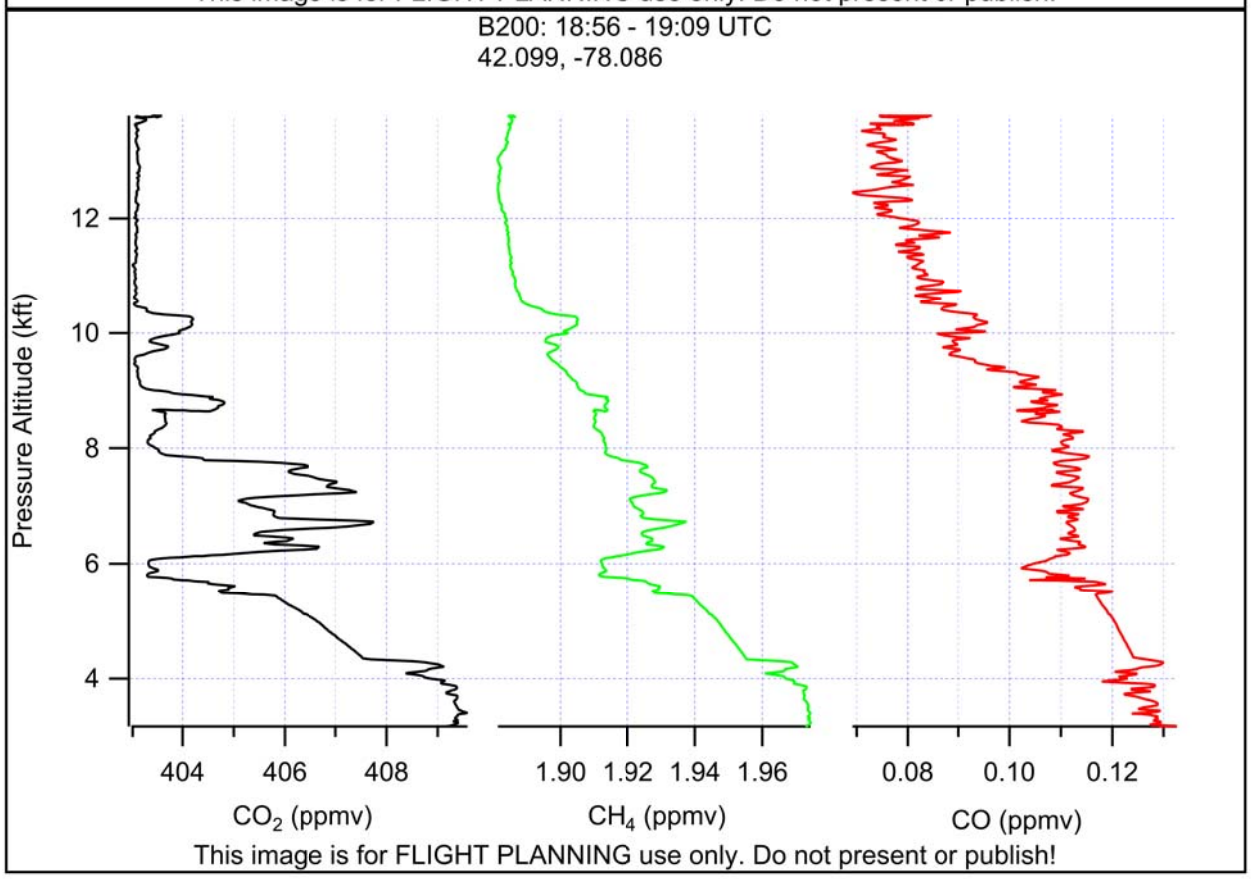
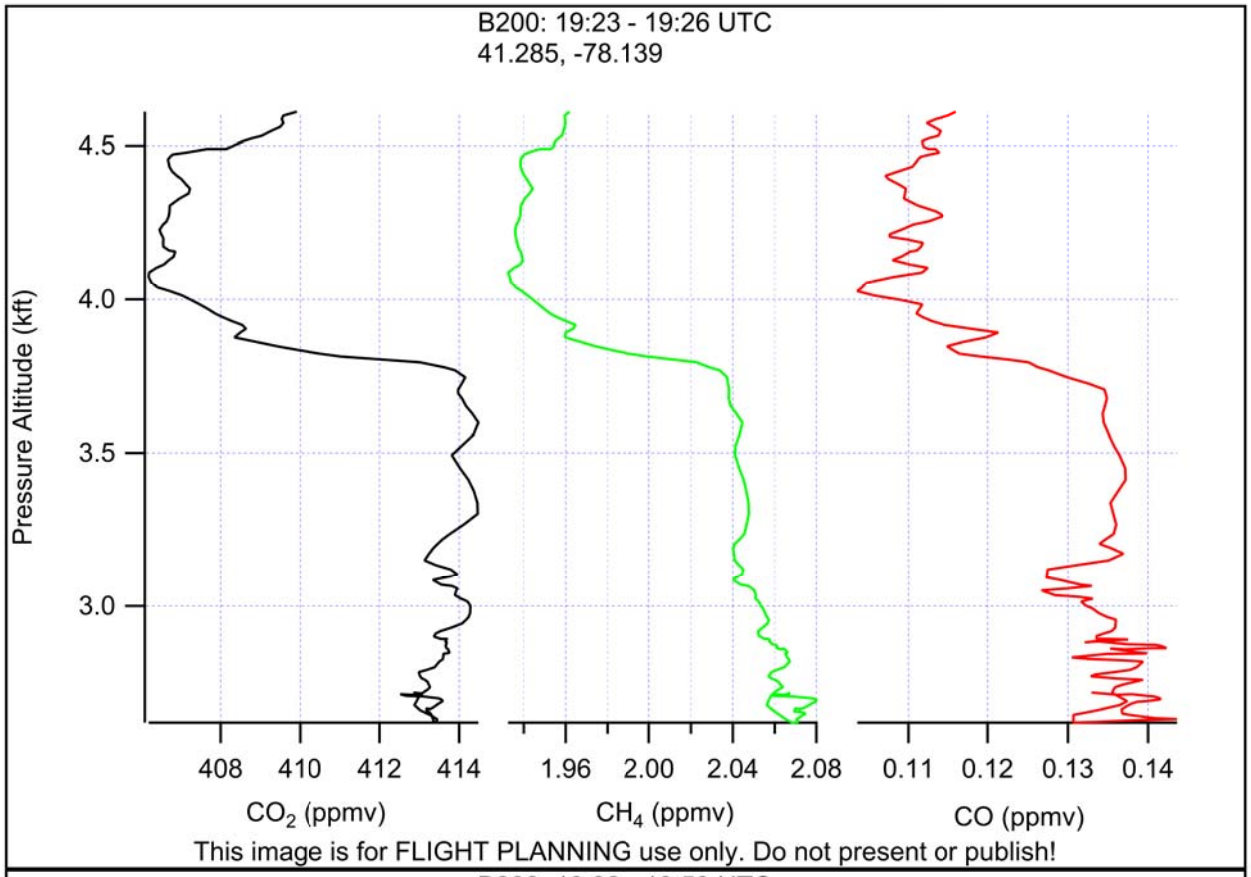

C130: 20:47 - 20:56 UTC
38.086, -78.247
Pressure Altitude (kft)
7
6
5
4
3
2
397
398
399
400
401
402
CO2 (ppmv)
1.90
1.92
1.94
1.96
1.98
CH4 (ppmv)
0.08
0.10
0.12
0.14
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

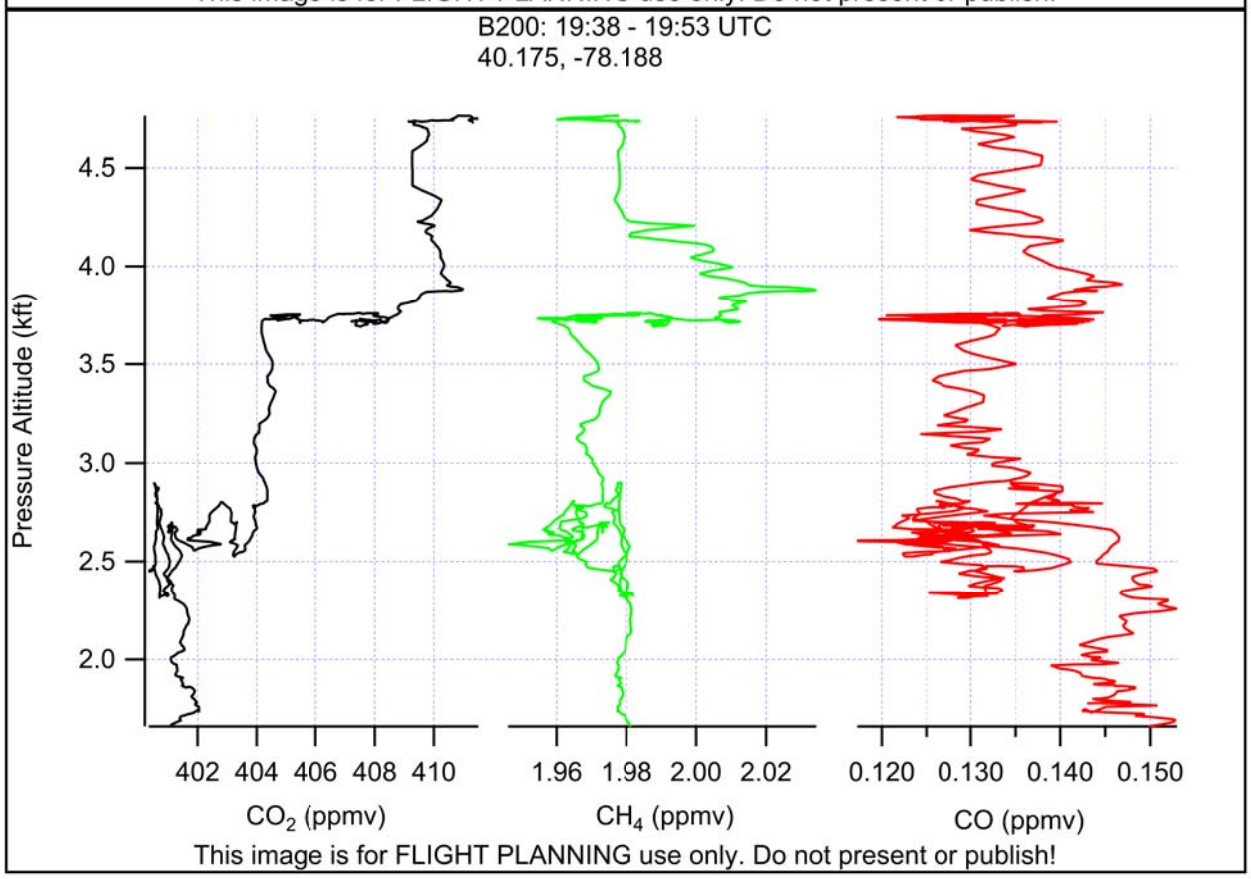

C130: 20:57 - 21:06 UTC
38.048, -78.138
Pressure Altitude (kft)
8
7
6
5
4
3
2
396 398 400 402
CO2 (ppmv)
1.90 1.92 1.94 1.96 1.98
CH4 (ppmv)
0.08 0.10 0.12 0.14
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 21:19 - 21:43 UTC
37.836, -75.556
Pressure Altitude (kft)
8
6
4
2
0
401 402 403 404 405
CO2 (ppmv)
1.90 1.92 1.94 1.96
CH4 (ppmv)
0.10 0.12 0.14
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 17:16 - 17:29 UTC
37.042, -76.767
Pressure Altitude (kft)
0
2
4
6
8
10
12
402.0
403.0
404.0
CO2 (ppmv)
1.88
1.90
1.92
1.94
1.96
CH4 (ppmv)
0.08
0.10
0.12
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 18:56 - 19:09 UTC
42.099, -78.086
Pressure Altitude (kft)
4
6
8
10
12
404
406
408
CO2 (ppmv)
1.90
1.92
1.94
1.96
CH4 (ppmv)
0.08
0.10
0.12
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 19:23 - 19:26 UTC
41.285, -78.139
Pressure Altitude (kft)
4.5
4.0
3.5
3.0
408 410 412 414
CO2 (ppmv)
1.96 2.00 2.04 2.08
CH4 (ppmv)
0.11 0.12 0.13 0.14
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 19:38 - 19:53 UTC
40.175, -78.188
Pressure Altitude (kft)
4.5
4.0
3.5
3.0
2.5
2.0
402 404 406 408 410
CO2 (ppmv)
1.96 1.98 2.00 2.02
CH4 (ppmv)
0.120 0.130 0.140 0.150
CO (ppmv)
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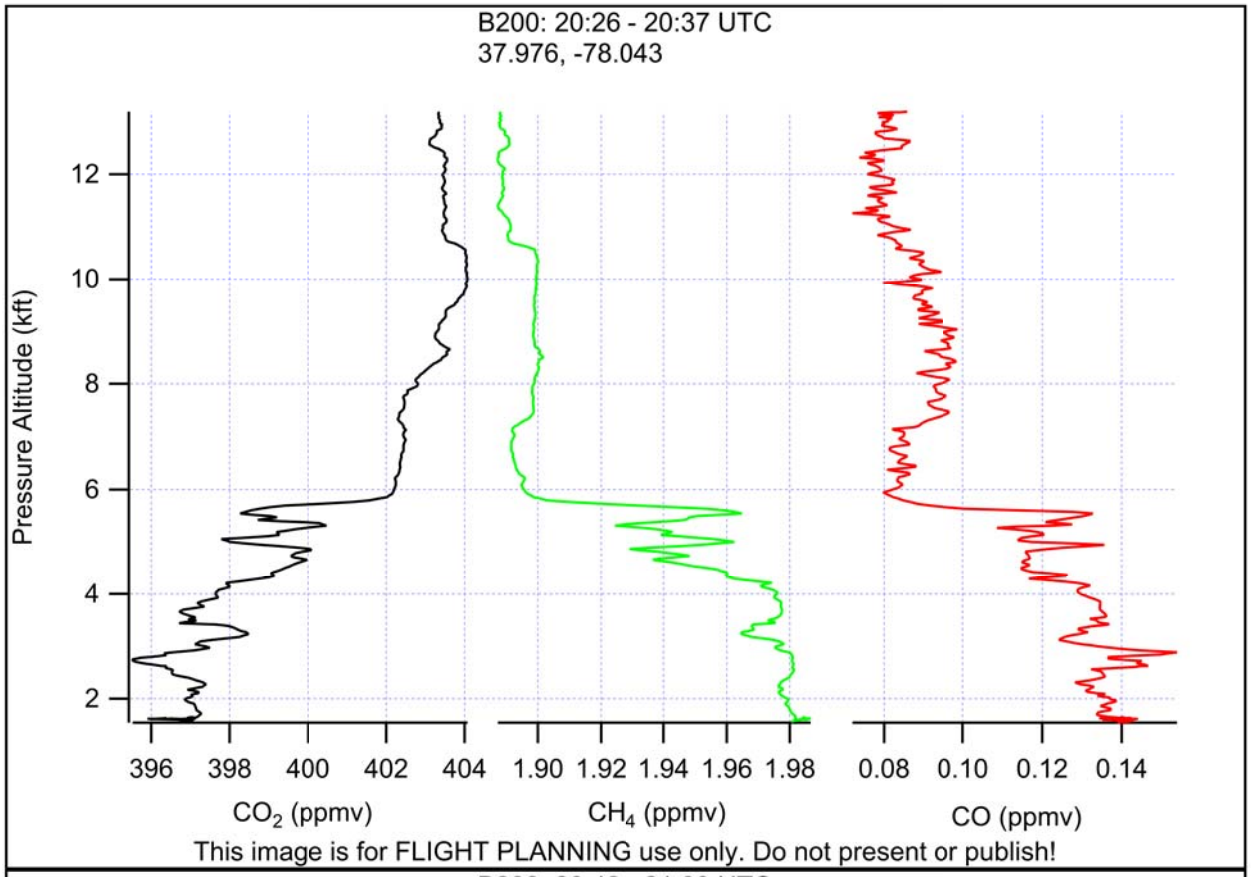
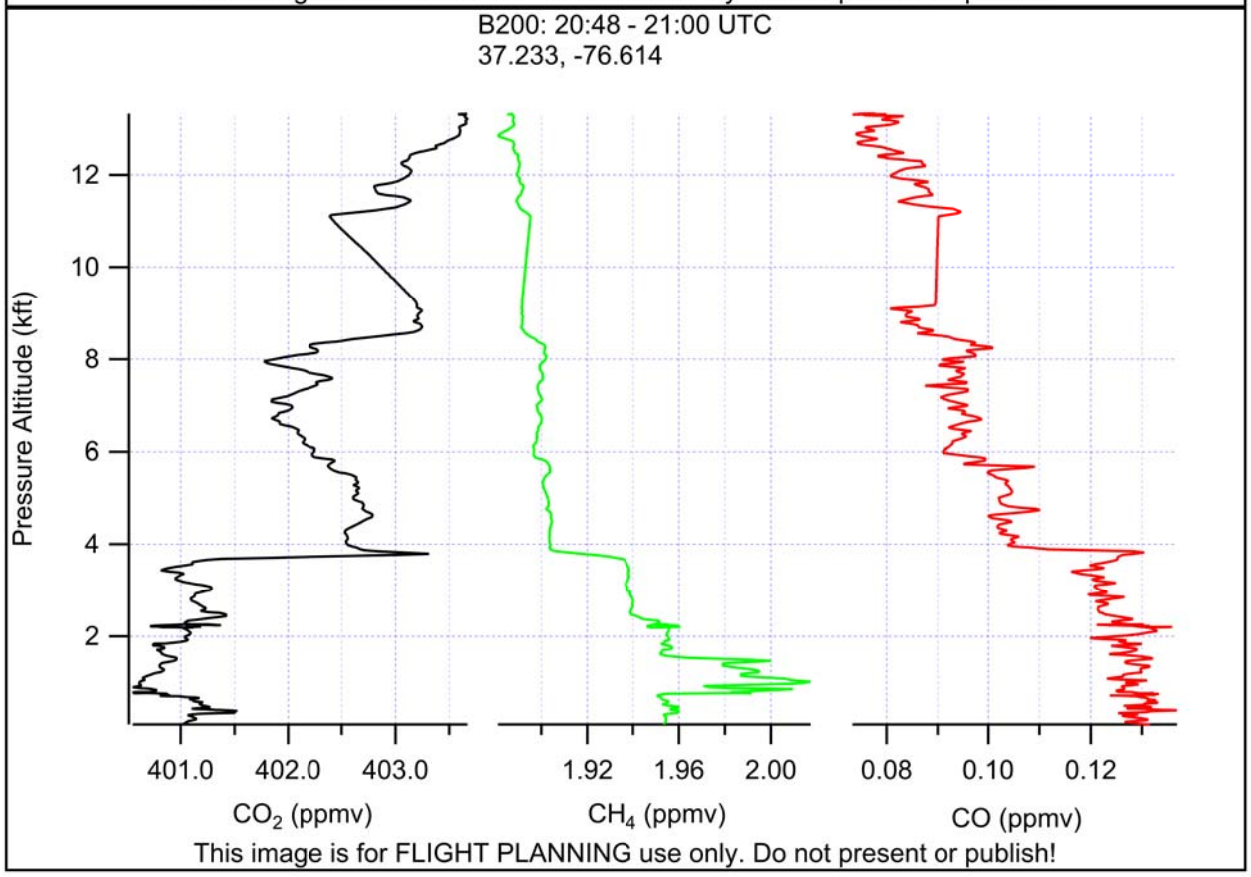
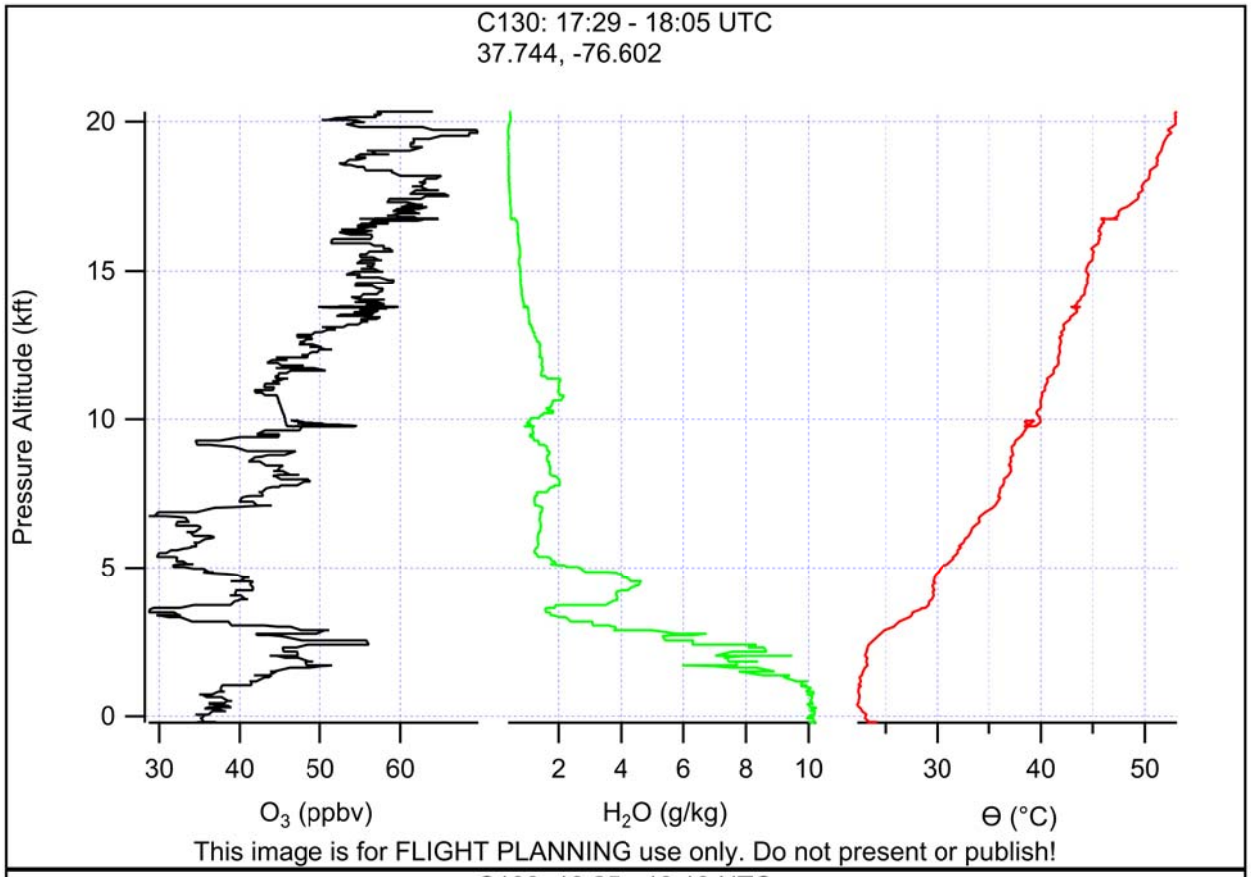
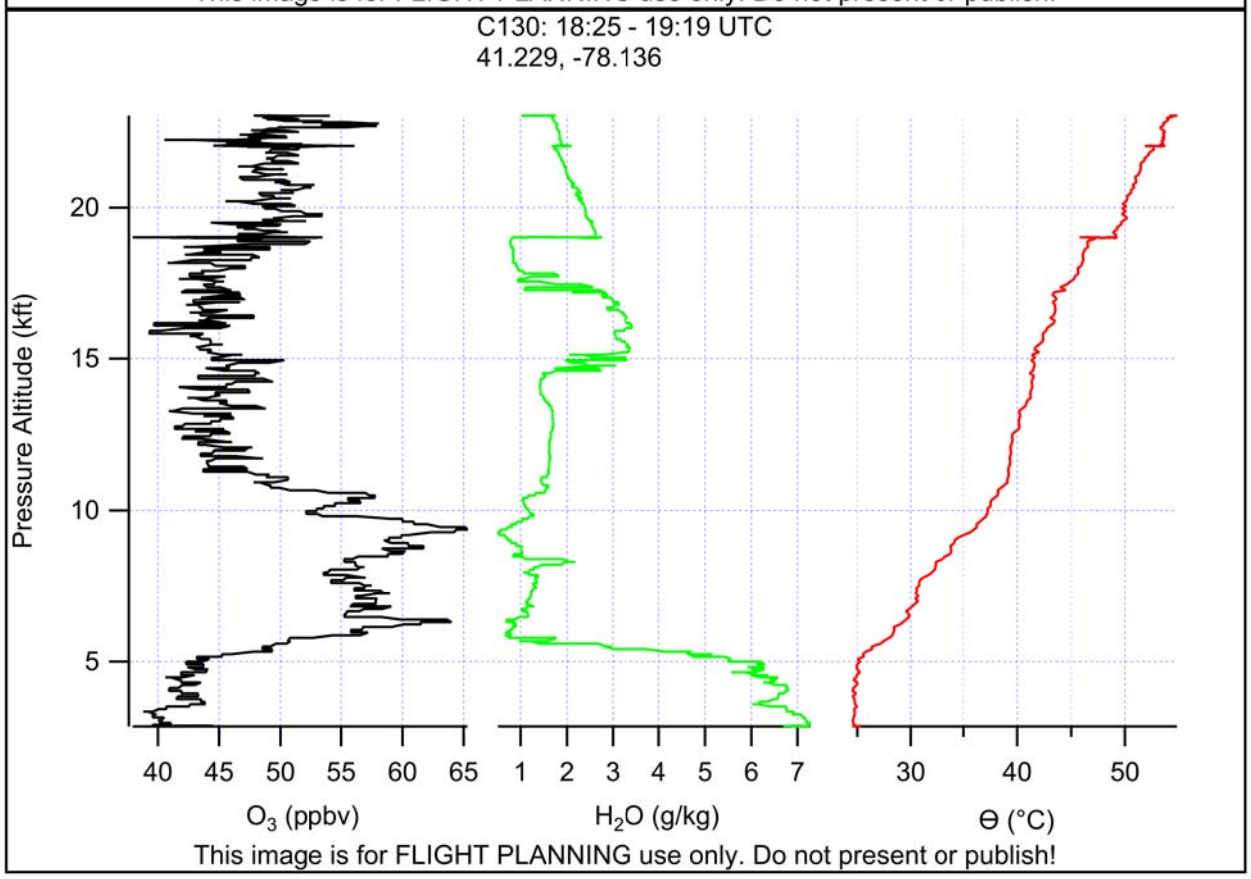
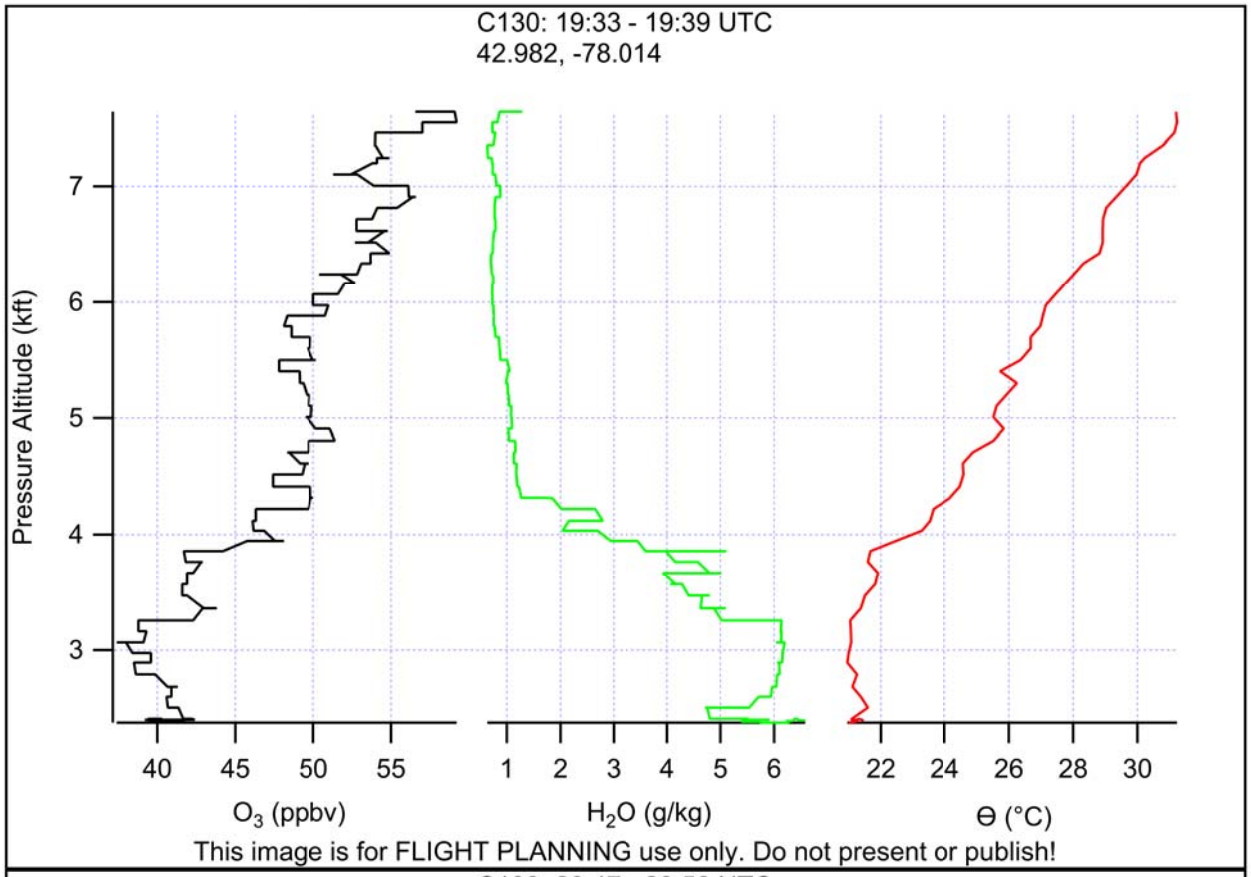
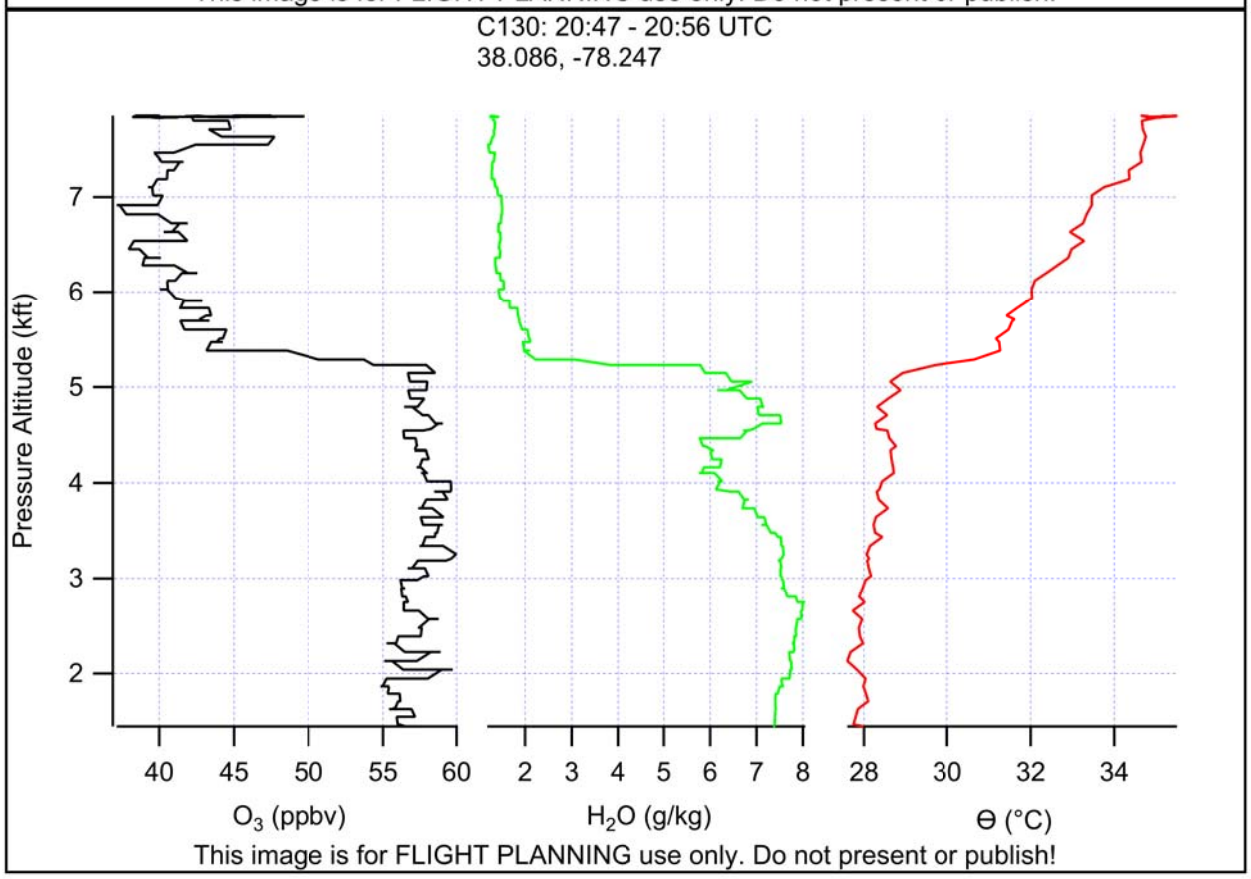

B200: 20:26 - 20:37 UTC
37.976, -78.043
Pressure Altitude (kft)
12
10
8
6
4
2
396 398 400 402 404
CO2 (ppmv)
1.90 1.92 1.94 1.96 1.98
CH4 (ppmv)
0.08 0.10 0.12 0.14
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

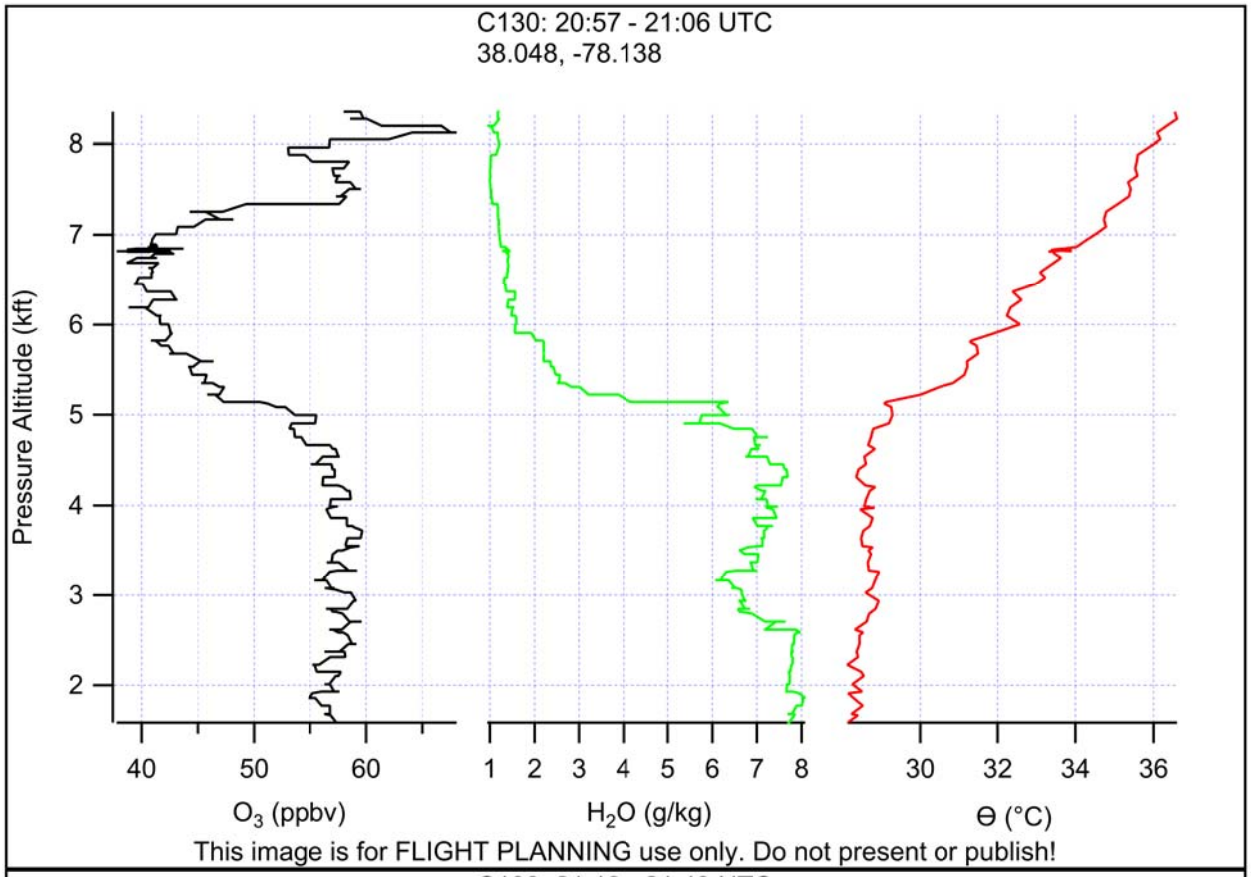

B200: 20:48 - 21:00 UTC
37.233, -76.614
Pressure Altitude (kft)
12
10
8
6
4
2
401.0 402.0 403.0
CO2 (ppmv)
1.92 1.96 2.00
CH4 (ppmv)
0.08 0.10 0.12
CO (ppmv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 17:29 - 18:05 UTC
37.744, -76.602
Pressure Altitude (kft)
20
15
10
5
0
30 40 50 60
O3 (ppbv)
2 4 6 8 10
H2O (g/kg)
30 40 50
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 18:25 - 19:19 UTC
41.229, -78.136
Pressure Altitude (kft)
20
15
10
5
40 45 50 55 60 65
O3 (ppbv)
1 2 3 4 5 6 7
H2O (g/kg)
30 40 50
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 19:33 - 19:39 UTC
42.982, -78.014
Pressure Altitude (kft)
7
6
5
4
3
40 45 50 55
O3 (ppbv)
1 2 3 4 5 6
H2O (g/kg)
22 24 26 28 30
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 20:47 - 20:56 UTC
38.086, -78.247
Pressure Altitude (kft)
7
6
5
4
3
2
40 45 50 55 60
O3 (ppbv)
2 3 4 5 6 7 8
H2O (g/kg)
28 30 32 34
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 20:57 - 21:06 UTC
38.048, -78.138
Pressure Altitude (kft)
8
7
6
5
4
3
2
40
50
60
O3 (ppbv)
1 2 3 4 5 6 7 8
H2O (g/kg)
30 32 34 36
Θ (°C)
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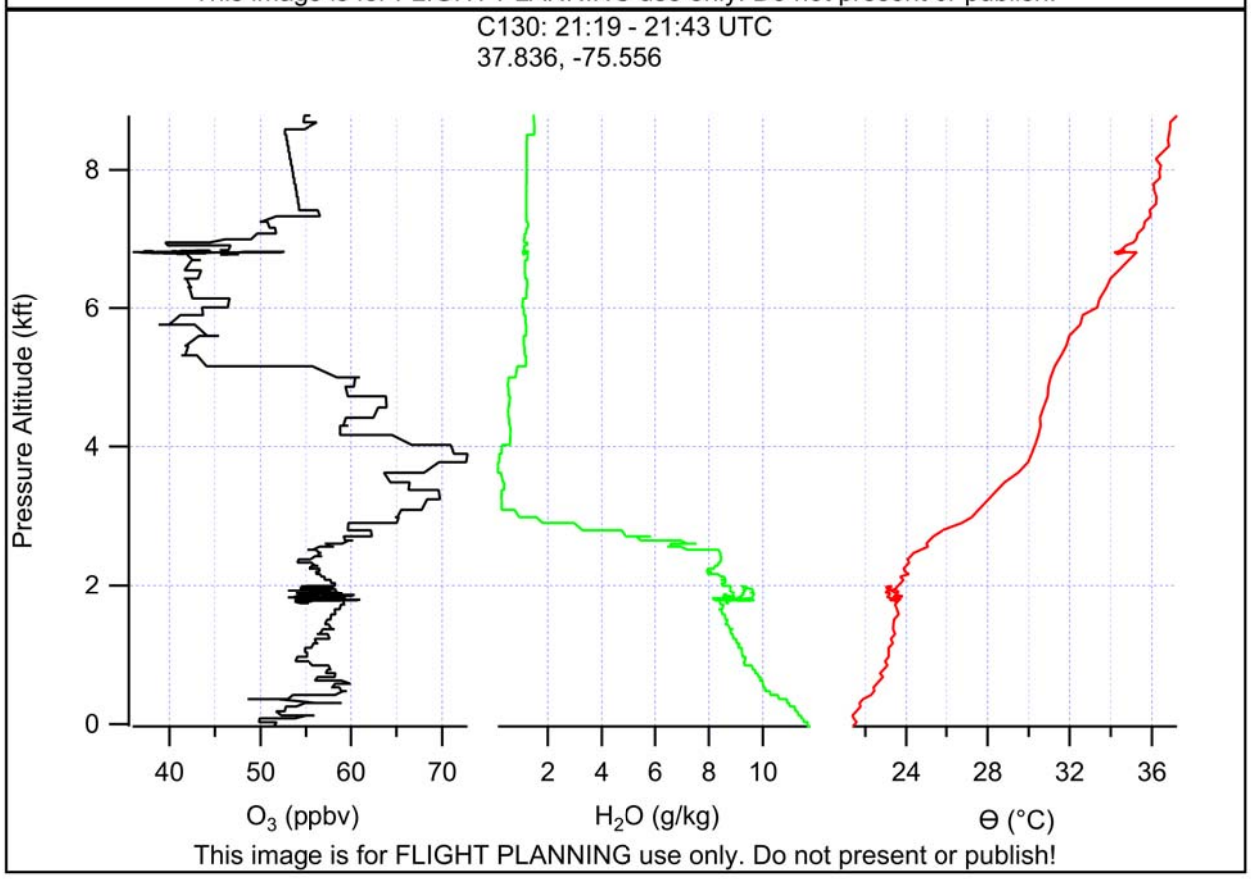
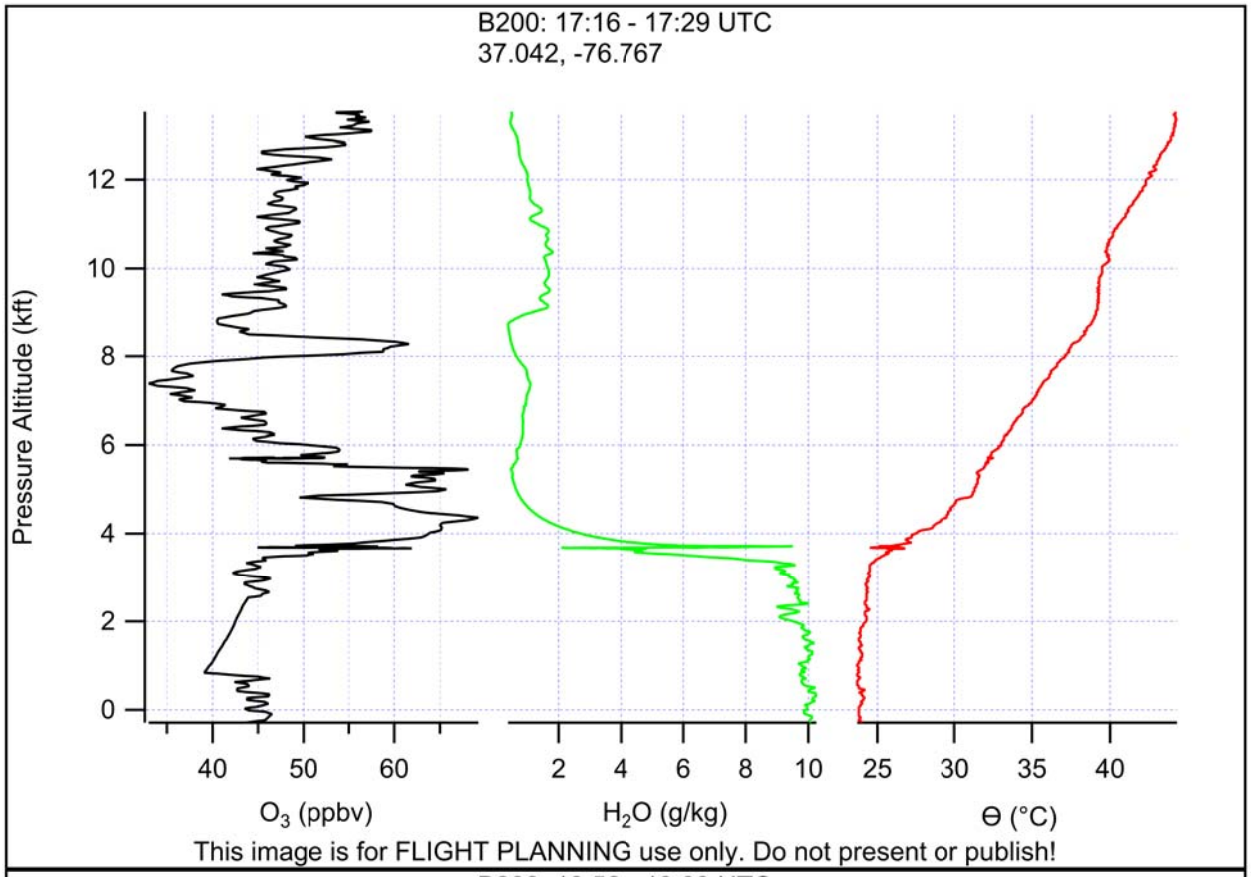

C130: 21:19 - 21:43 UTC
37.836, -75.556
Pressure Altitude (kft)
8
6
4
2
0
40 50 60 70
O3 (ppbv)
2 4 6 8 10
H2O (g/kg)
24 28 32 36
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 17:16 - 17:29 UTC
37.042, -76.767
Pressure Altitude (kft)
0
2
4
6
8
10
12
40
50
60
O3 (ppbv)
2
4
6
8
10
H2O (g/kg)
25
30
35
40
Θ (°C)
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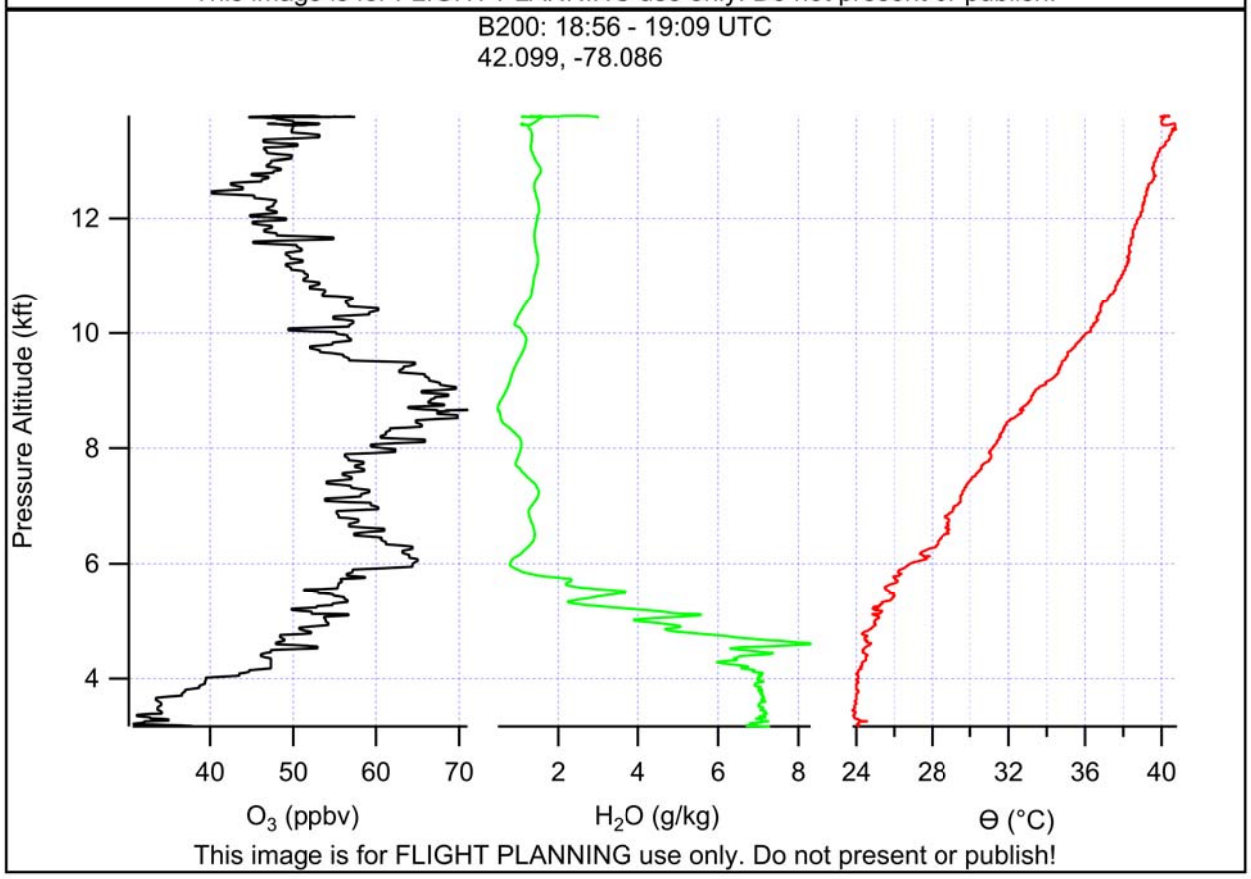
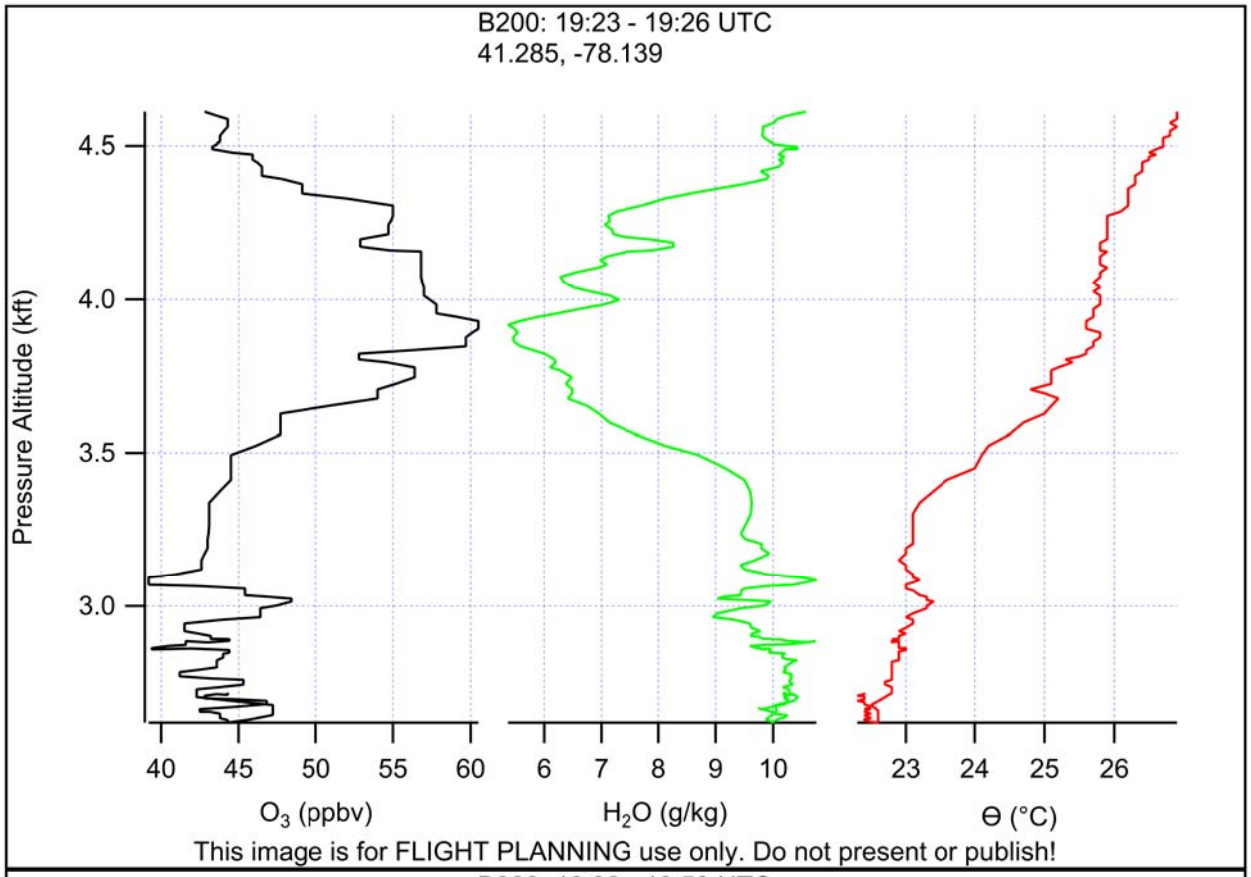

B200: 18:56 - 19:09 UTC
42.099, -78.086
Pressure Altitude (kft)
4
6
8
10
12
40
50
60
70
O3 (ppbv)
2
4
6
8
H2O (g/kg)
24
28
32
36
40
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 19:23 - 19:26 UTC
41.285, -78.139
Pressure Altitude (kft)
4.5
4.0
3.5
3.0
40 45 50 55 60
O3 (ppbv)
6 7 8 9 10
H2O (g/kg)
23 24 25 26
Θ (°C)
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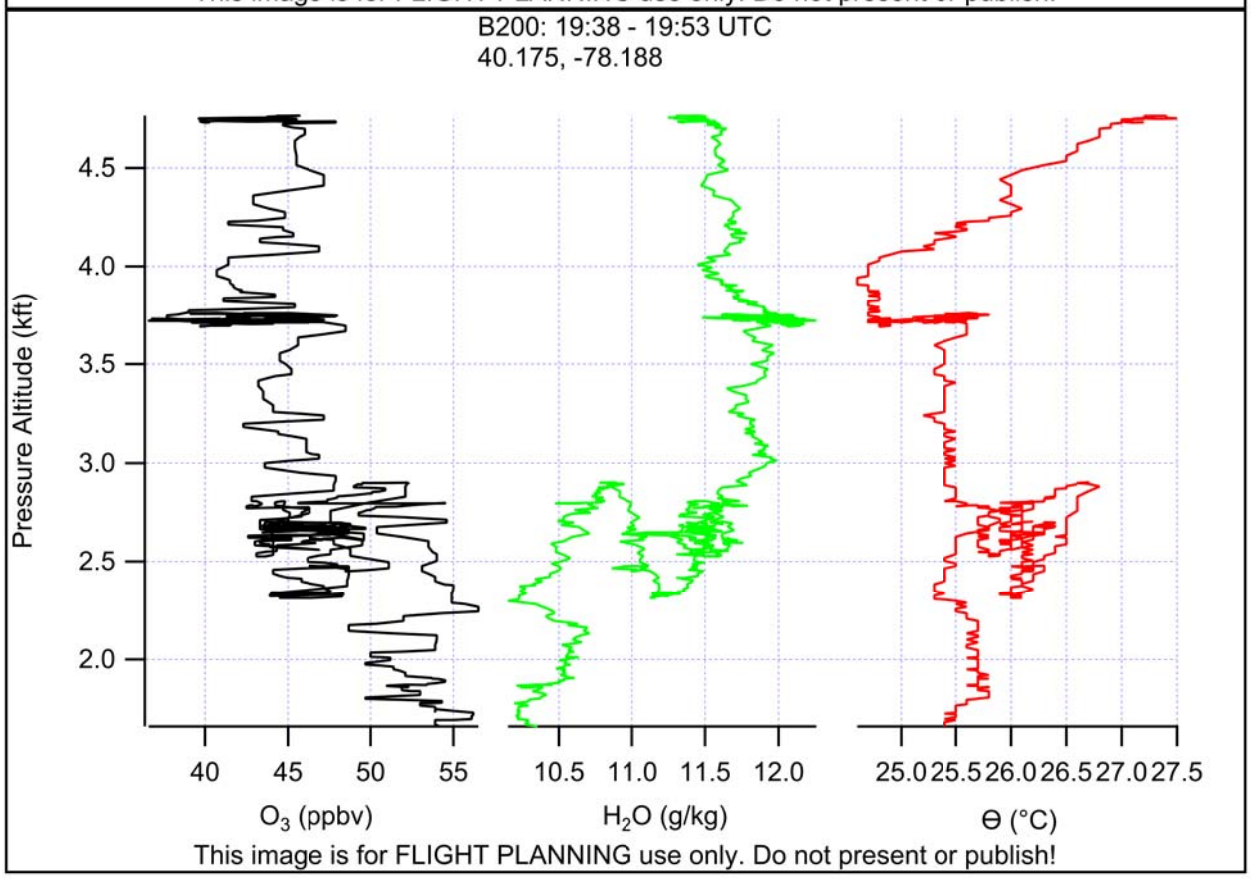
B200: 19:38 - 19:53 UTC
40.175, -78.188
Pressure Altitude (kft)
4.5
4.0
3.5
3.0
2.5
2.0
40 45 50 55
O3 (ppbv)
10.5 11.0 11.5 12.0
H2O (g/kg)
25.0 25.5 26.0 26.5 27.0 27.5
Θ (°C)
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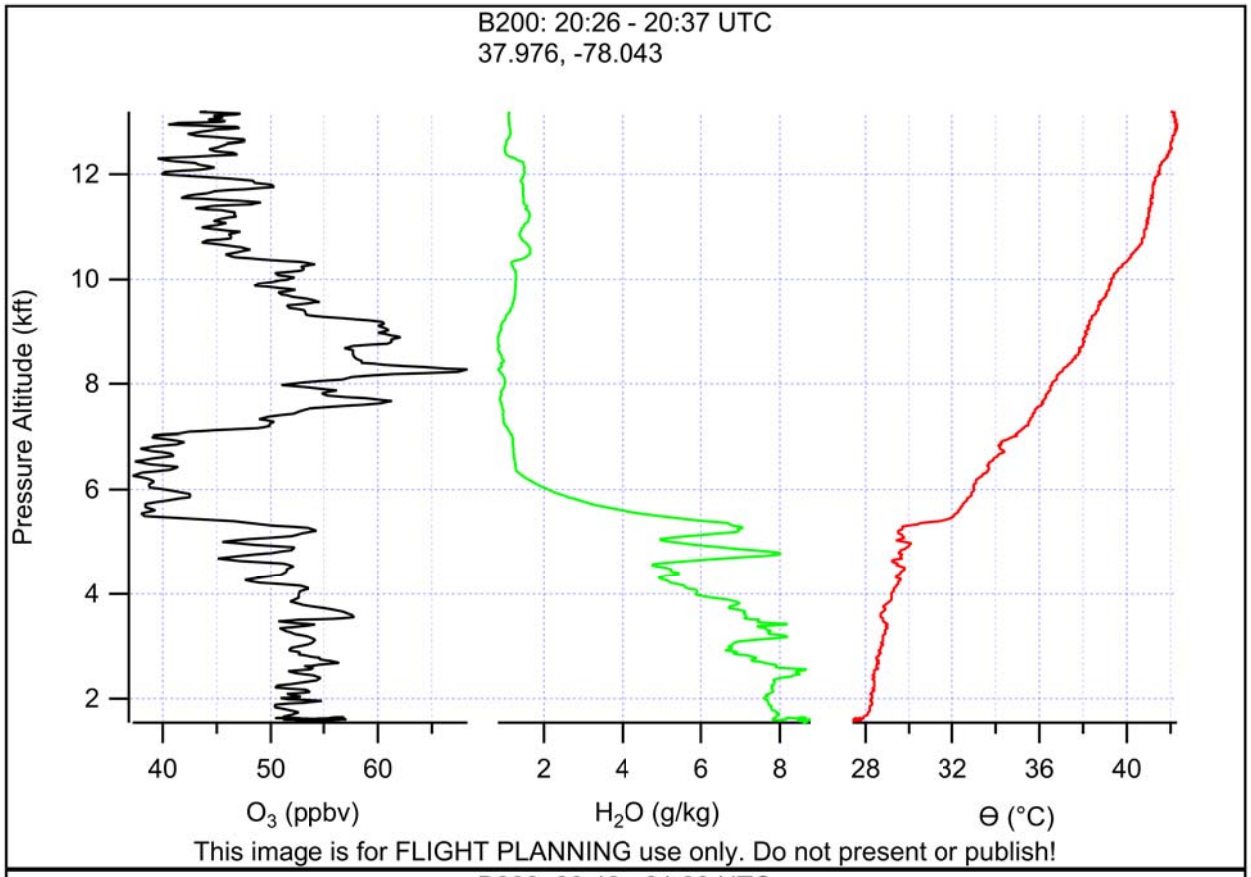
B200: 20:26 - 20:37 UTC
37.976, -78.043
Pressure Altitude (kft)
12
10
8
6
4
2
40
50
60
O3 (ppbv)
2
4
6
8
H2O (g/kg)
28
32
36
40
Θ (°C)
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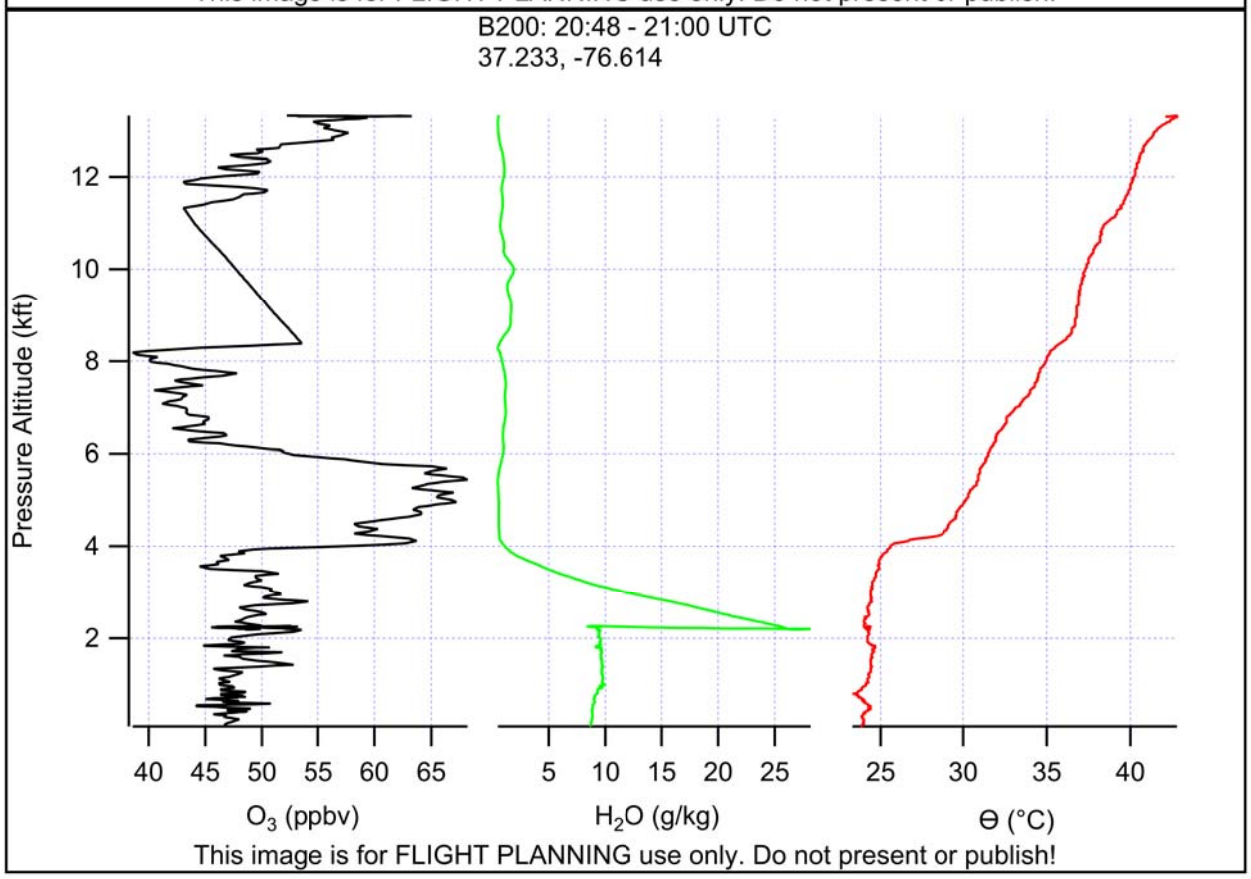
B200: 20:48 - 21:00 UTC
37.233, -76.614
Pressure Altitude (kft)
12
10
8
6
4
2
40
45
50
55
60
65
O3 (ppbv)
5
10
15
20
25
H2O (g/kg)
25
30
35
40
Θ (°C)
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