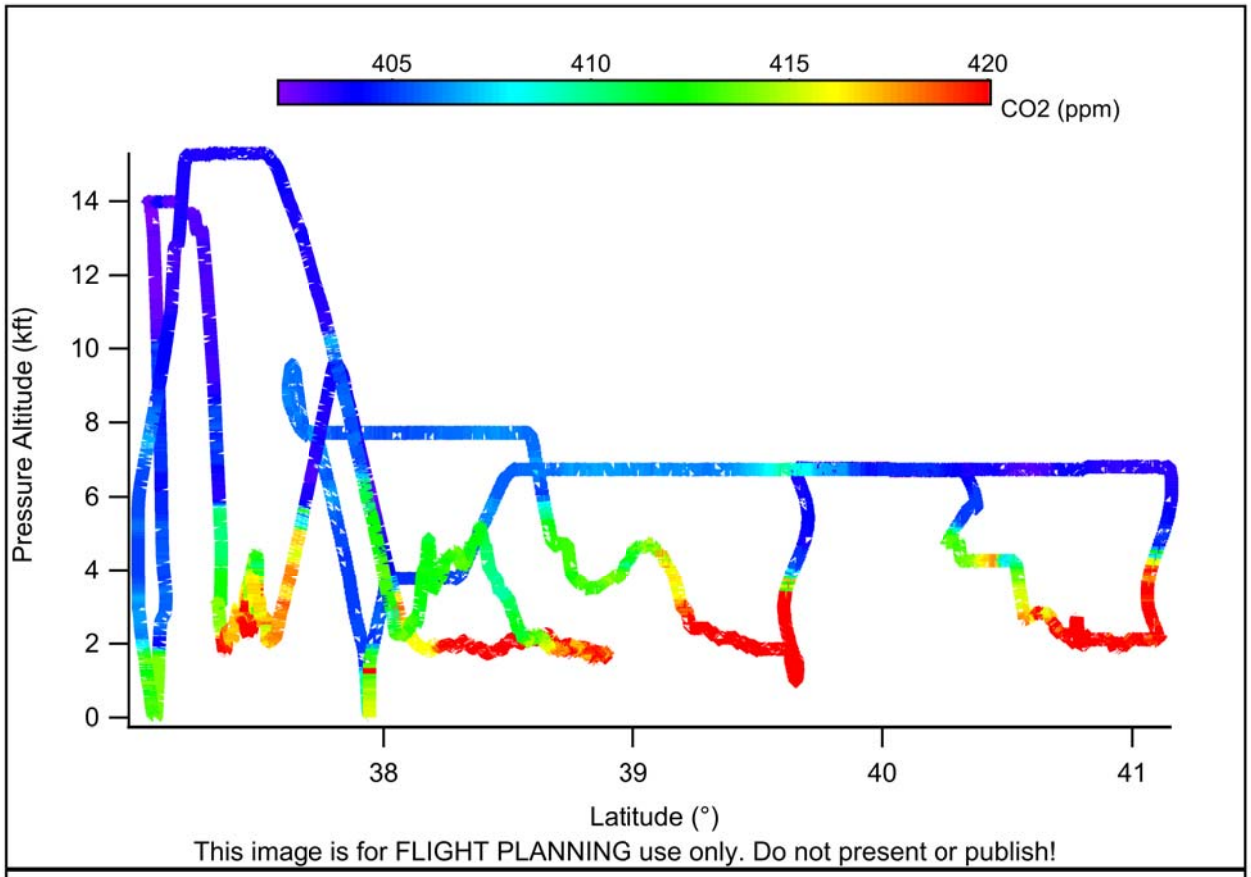
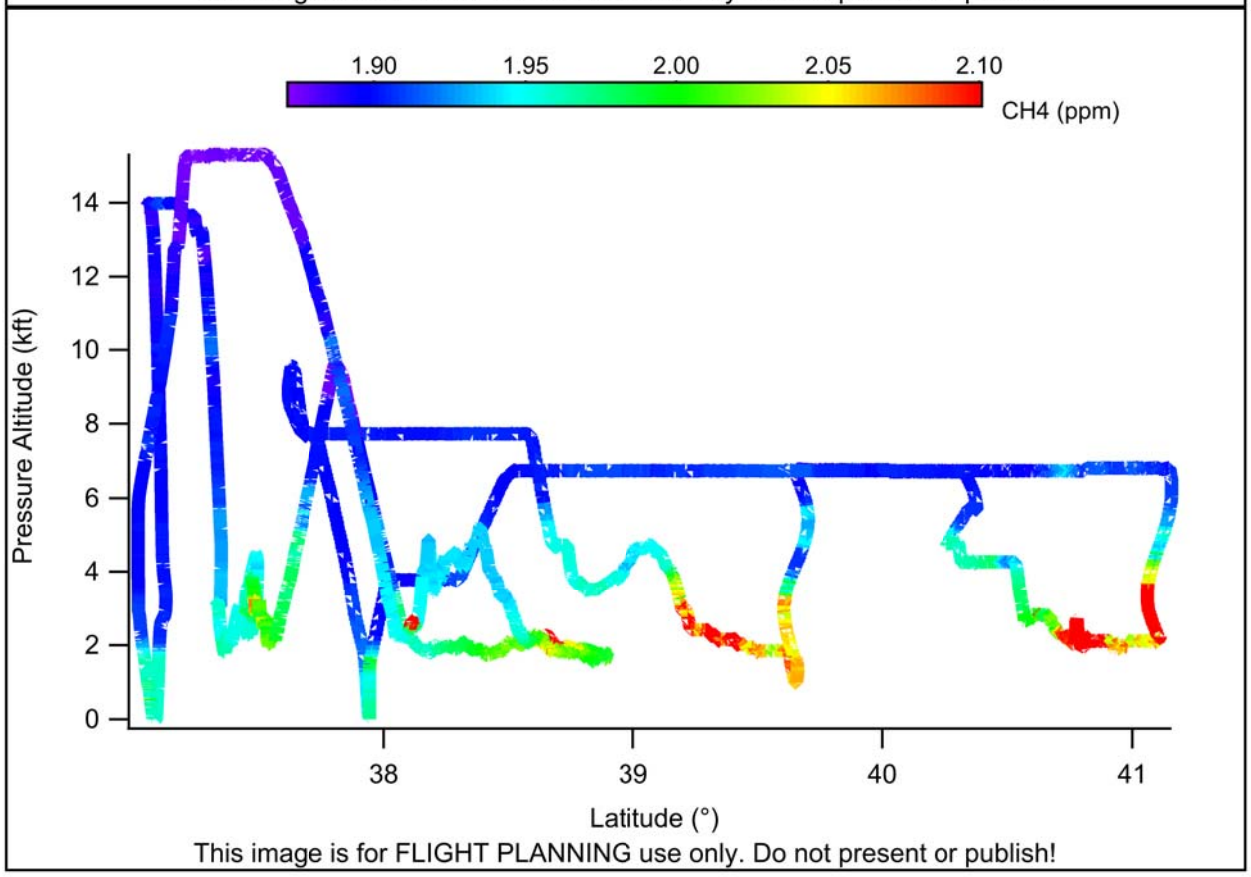
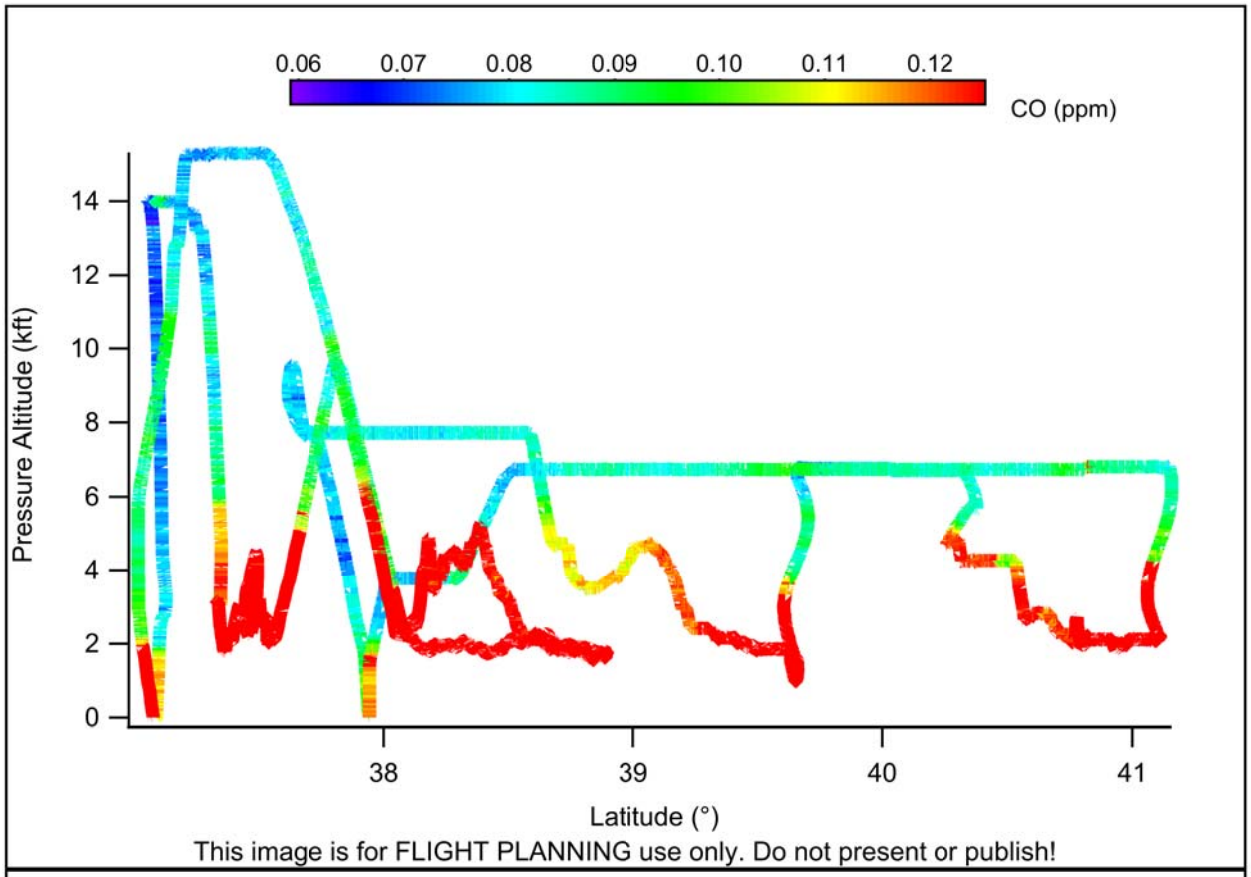
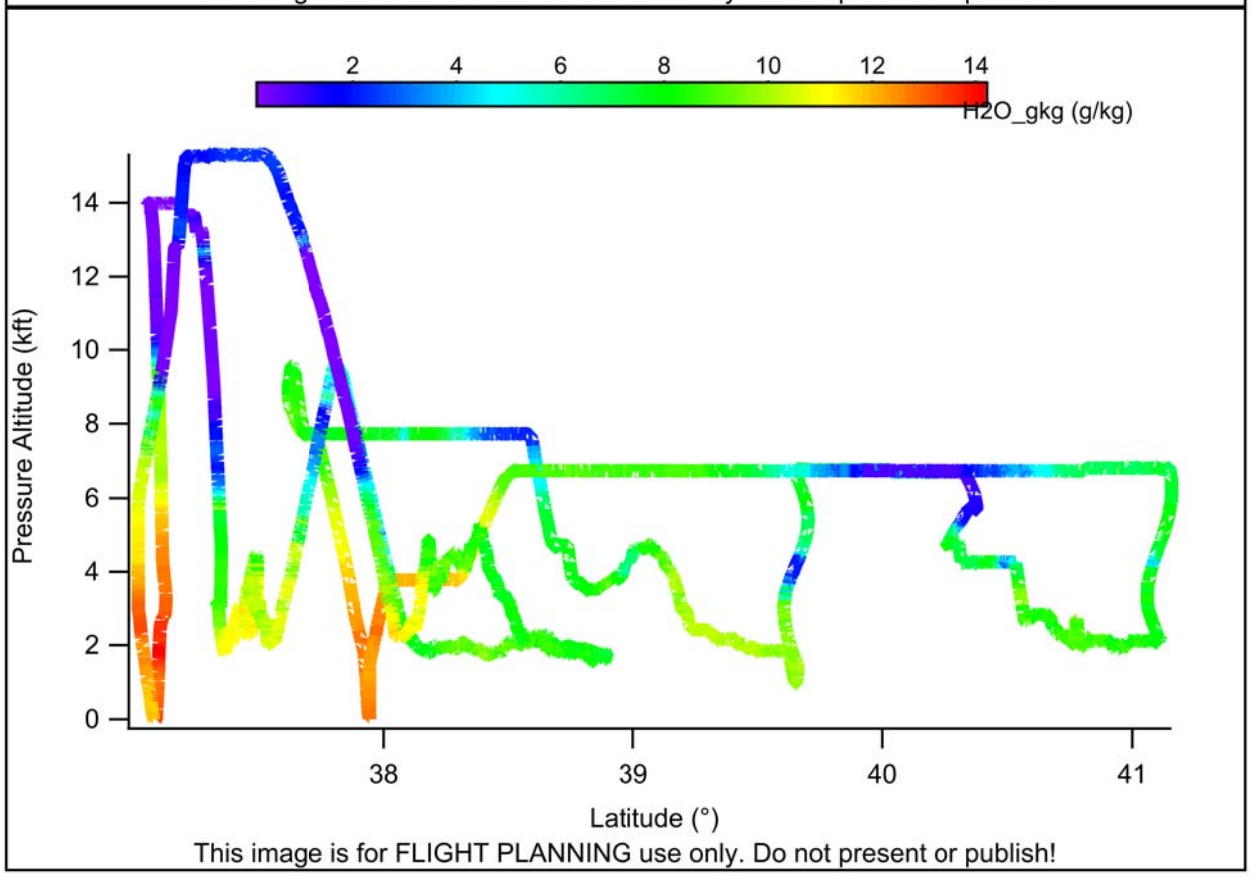
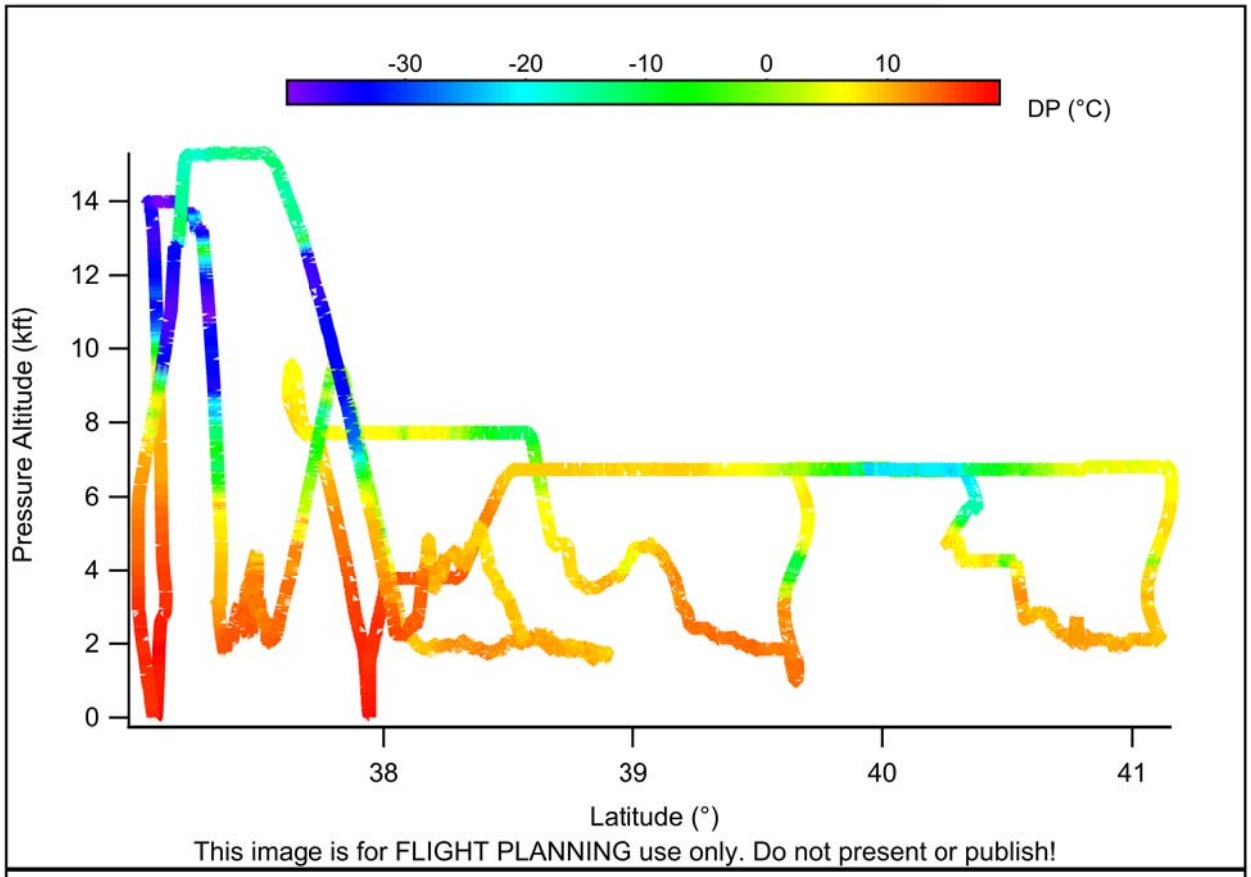
ACT-America 20171014

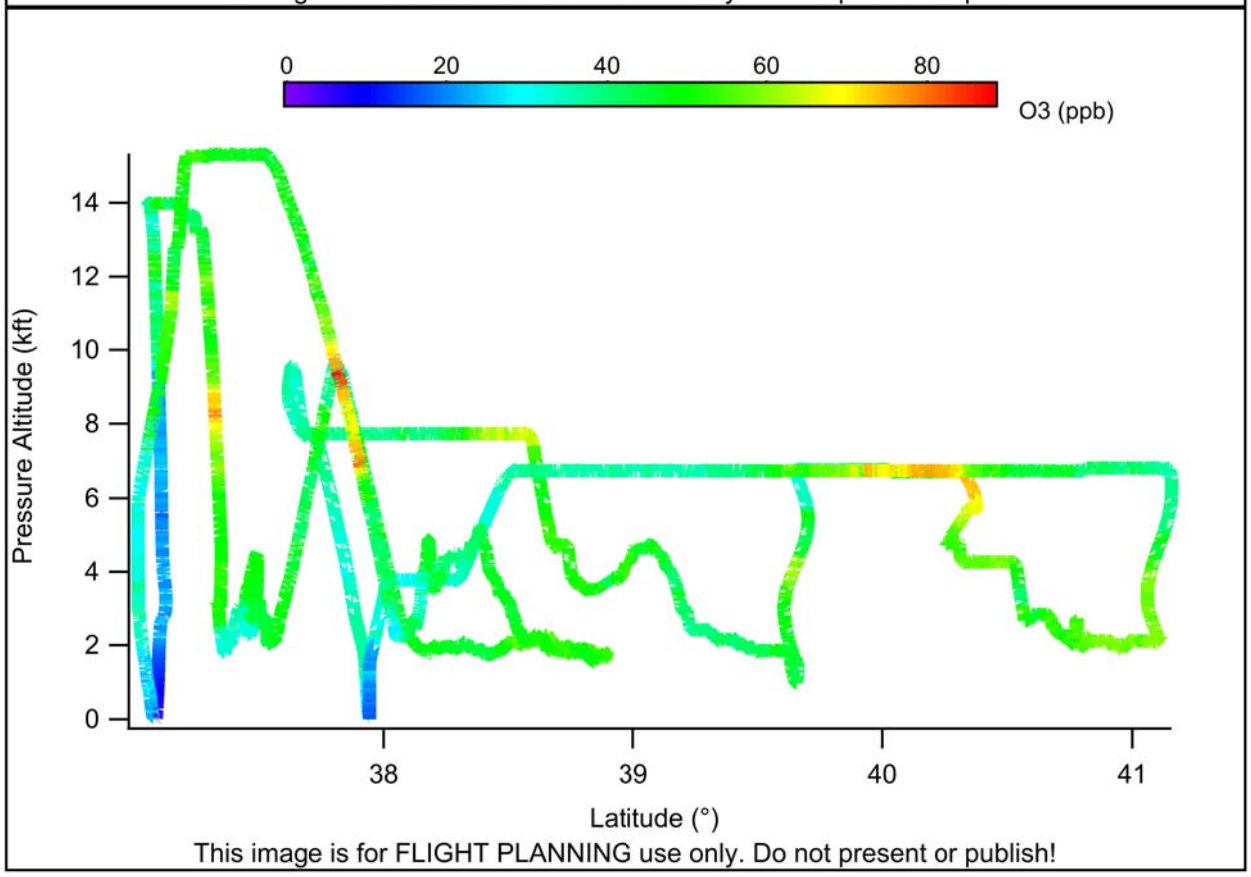

405
410
415
420
CO2 (ppm)
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
38
39
40
41
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

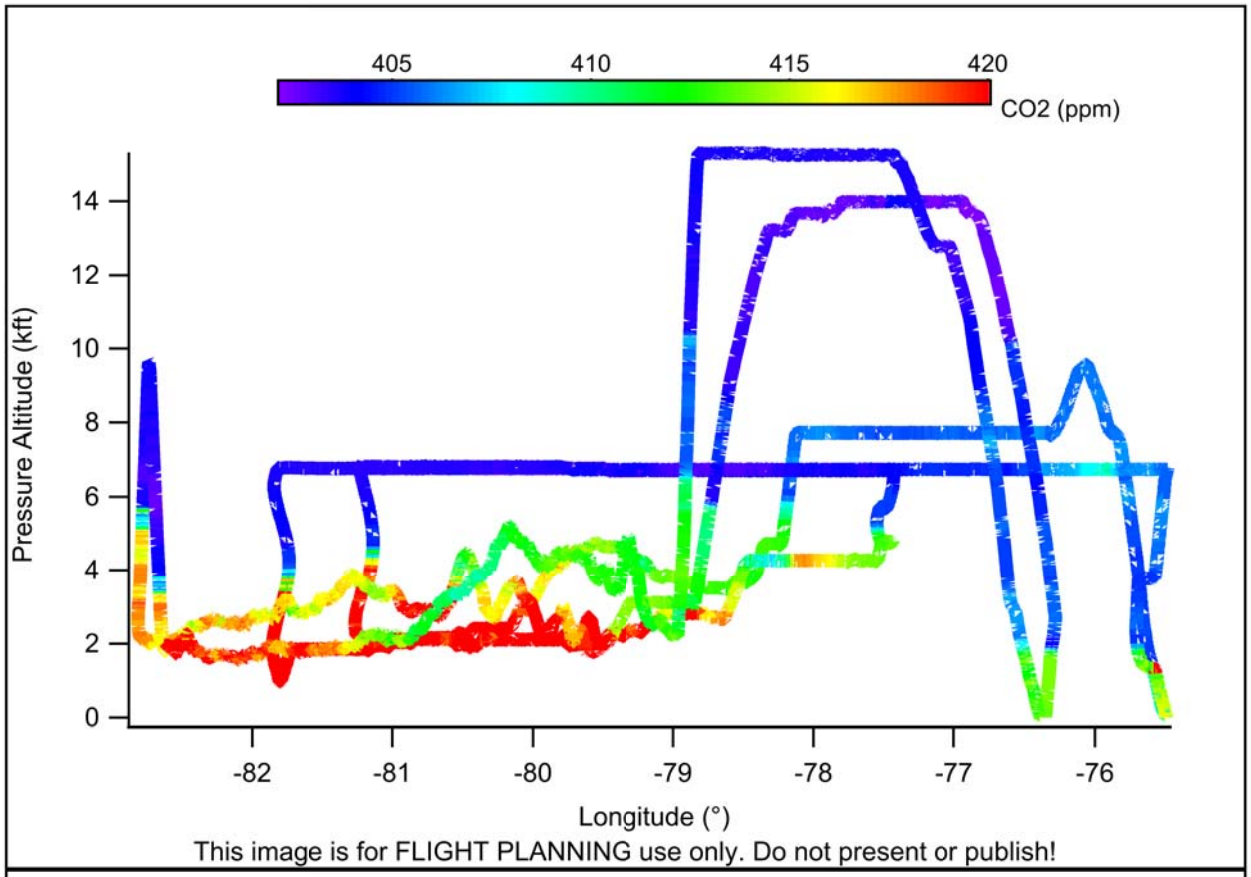

1.90
1.95
2.00
2.05
2.10
CH4 (ppm)
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
38
39
40
41
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

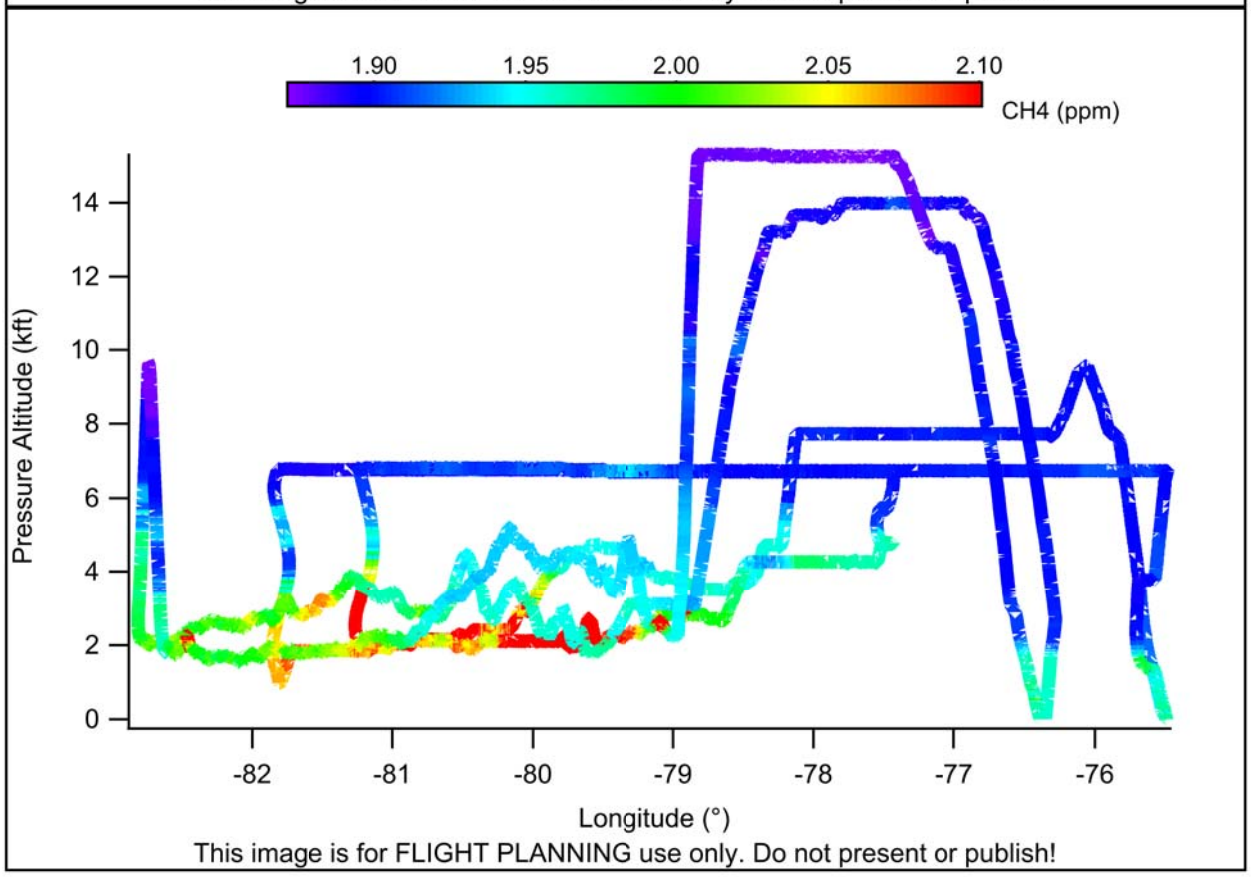

0.06
0.07
0.08
0.09
0.10
0.11
0.12
CO (ppm)
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
38
39
40
41
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

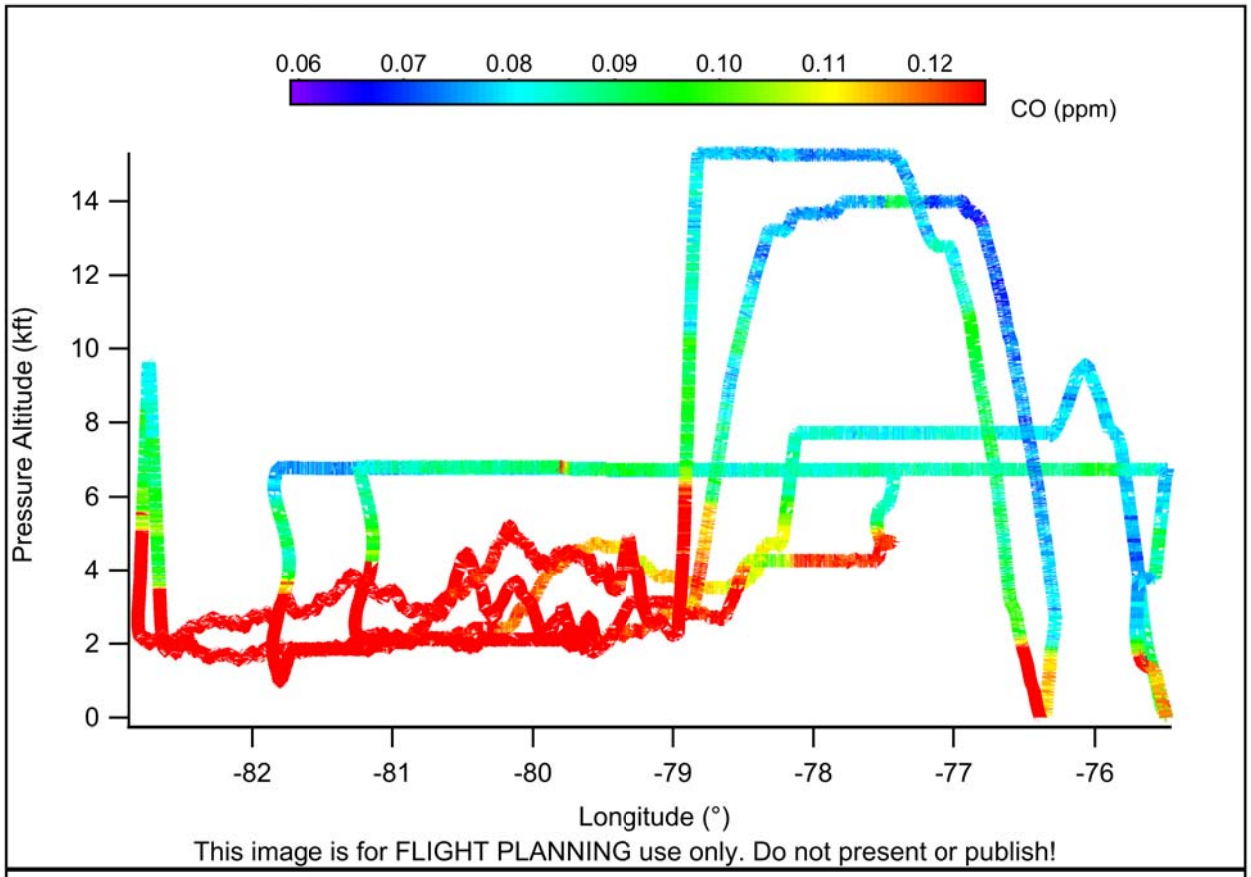

2
4
6
8
10
12
14
H2O_gkg (g/kg)
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
38
39
40
41
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

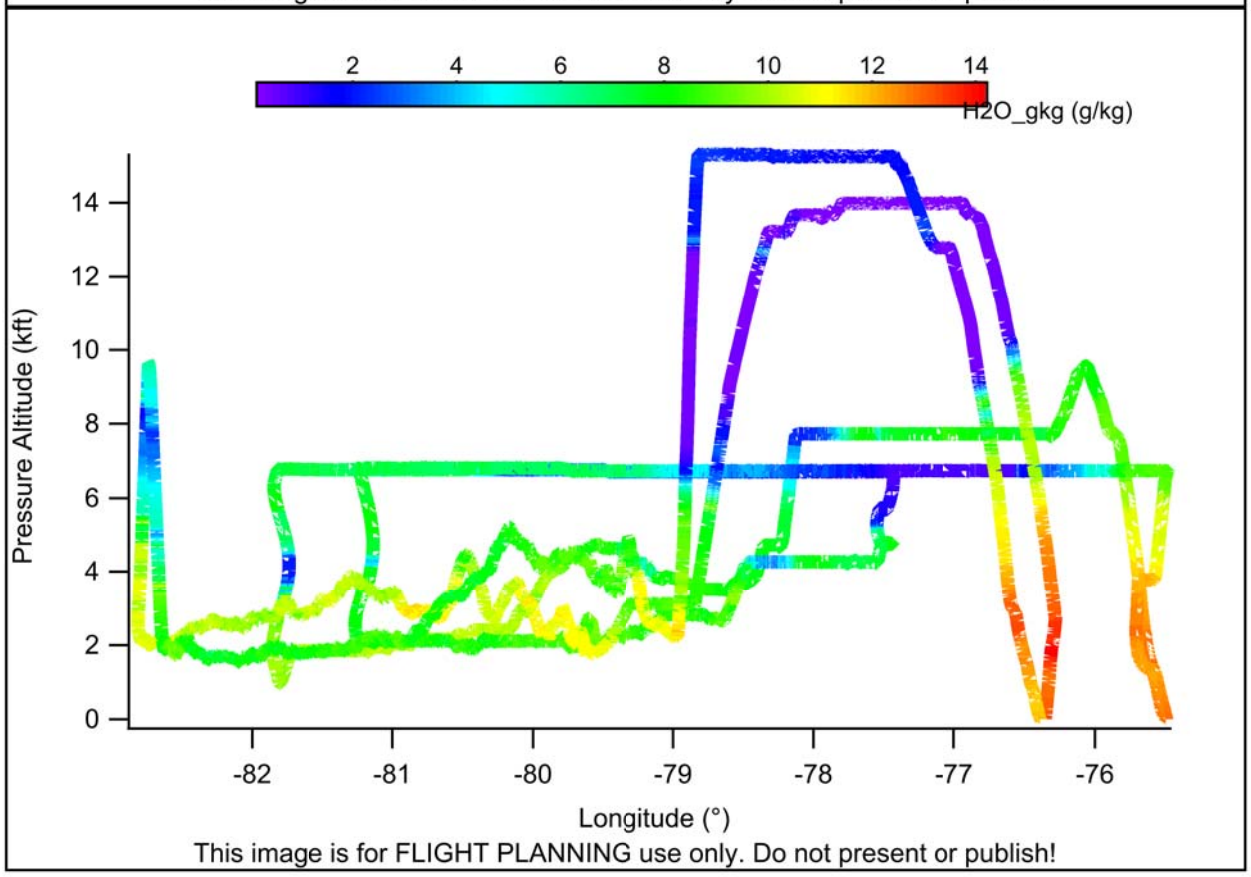

-30
-20
-10
0
10
DP (°C)
Pressure Altitude (kft)
14
12
10
8
6
4
2
0
38
39
40
41
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

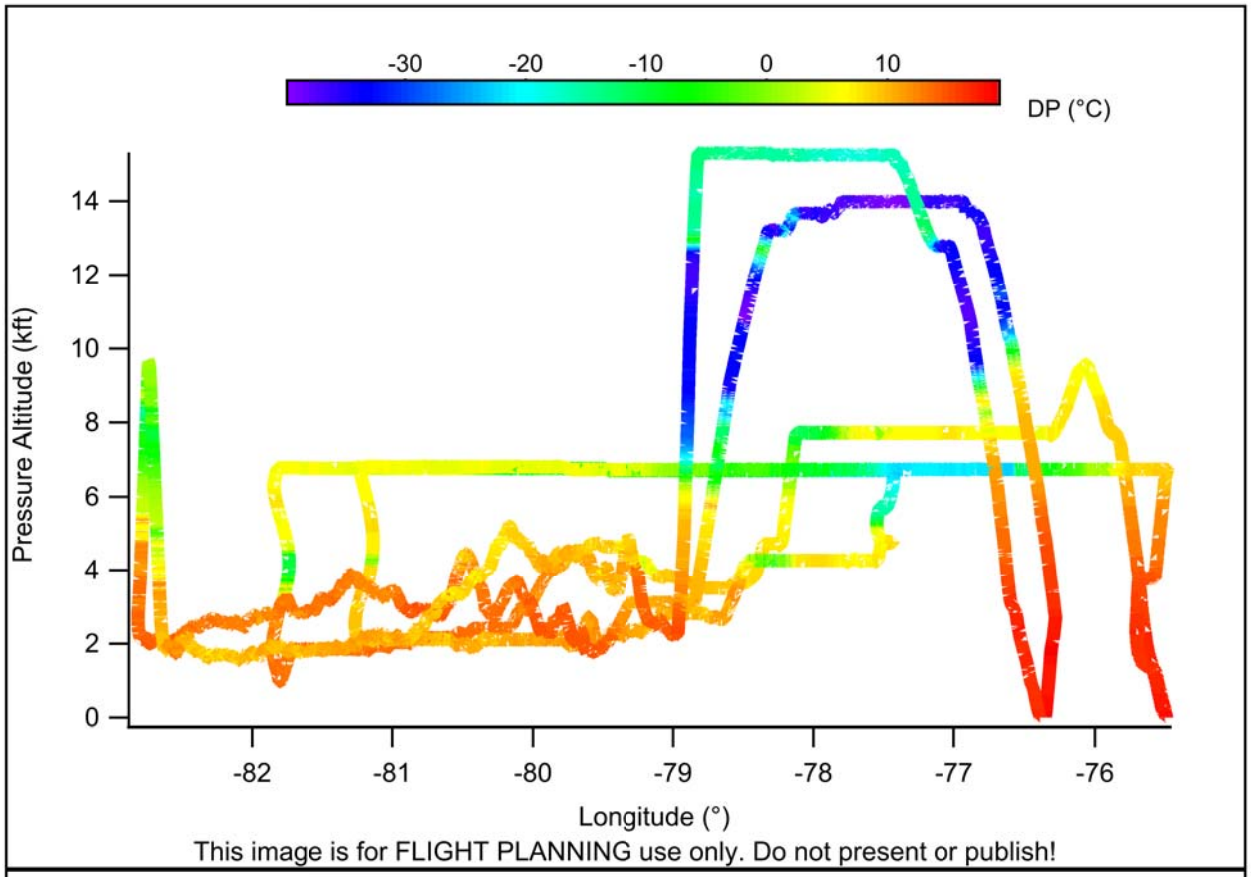

0
20
40
60
80
O3 (ppb)
Pressure Altitude (kft)
14
12
10
8
6
4
2
0
38
39
40
41
Latitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

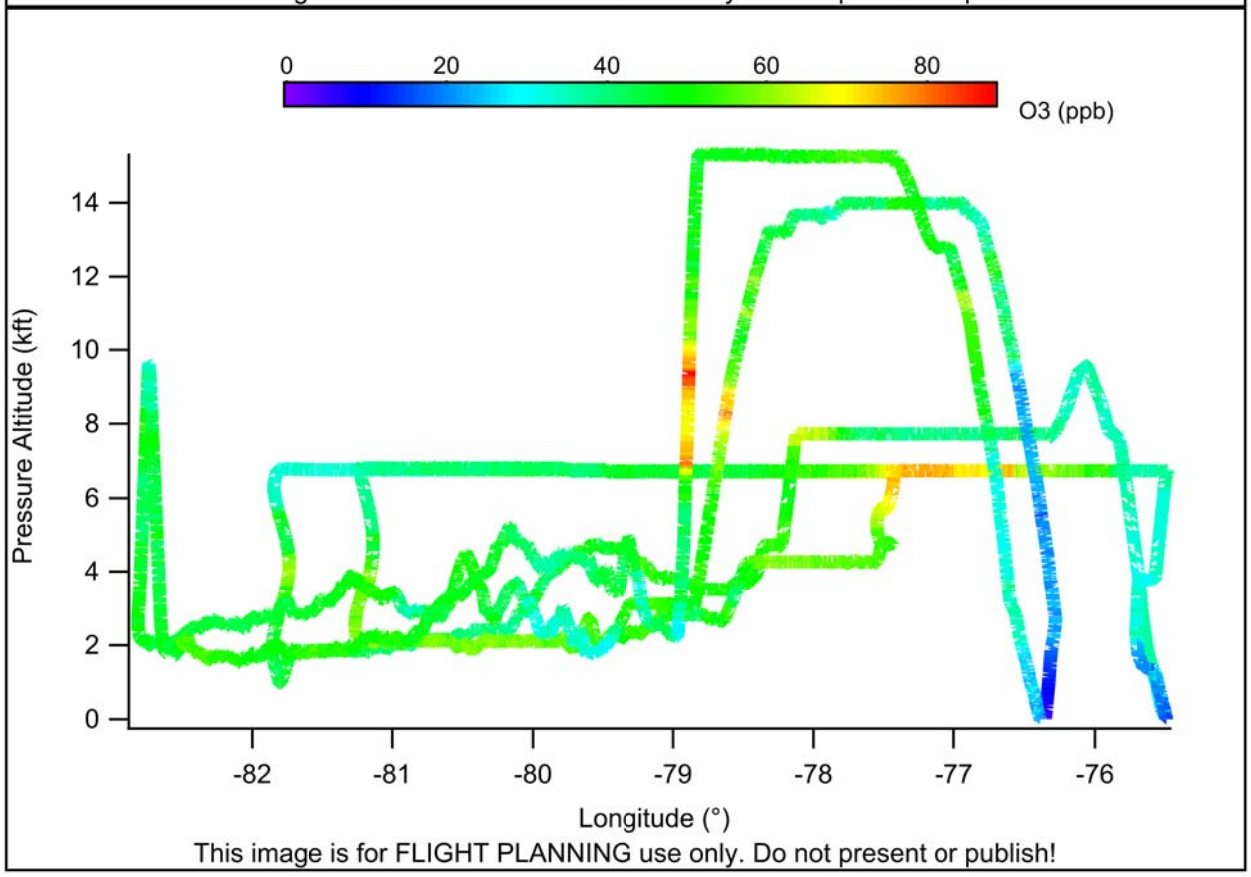

405
410
415
420
CO2 (ppm)
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
-82
-81
-80
-79
-78
-77
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

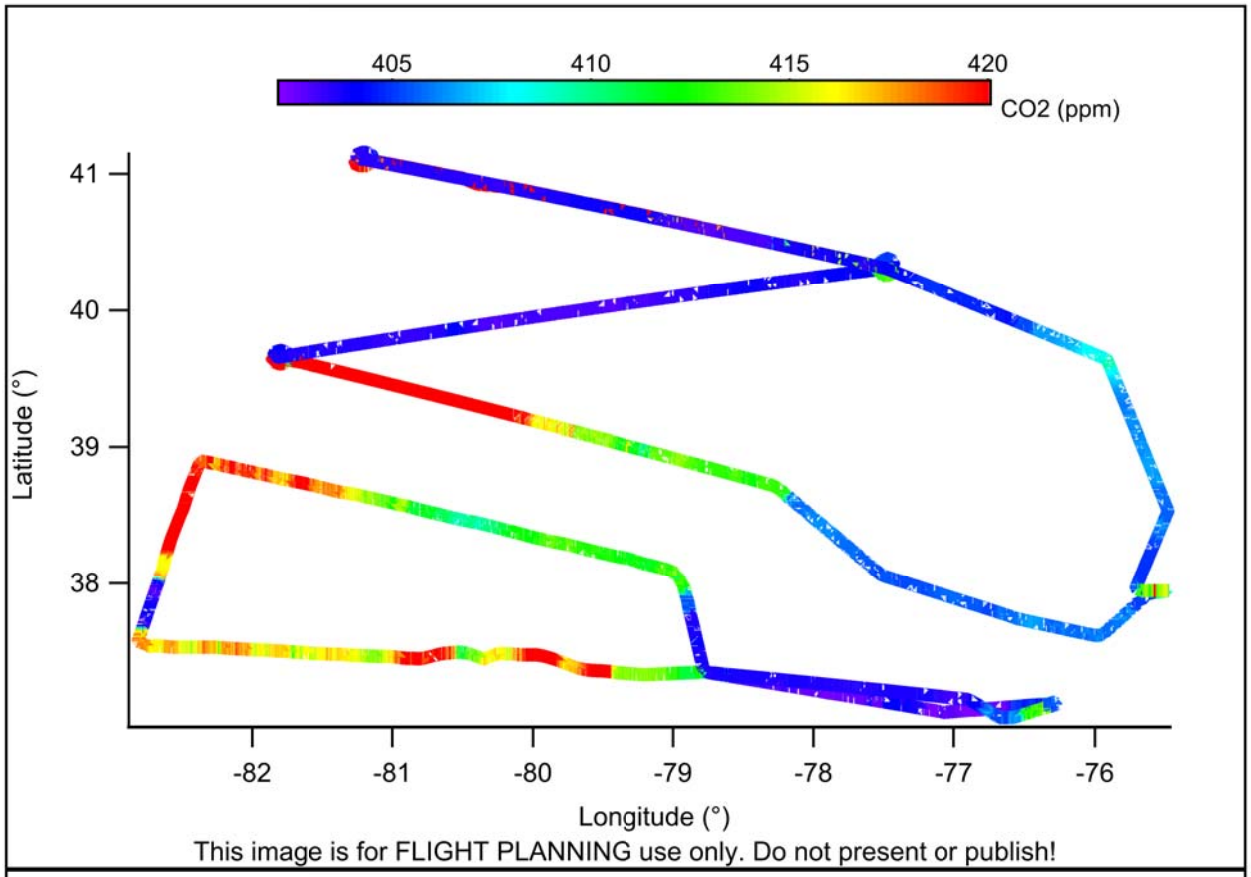

1.90
1.95
2.00
2.05
2.10
CH4 (ppm)
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
-82
-81
-80
-79
-78
-77
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

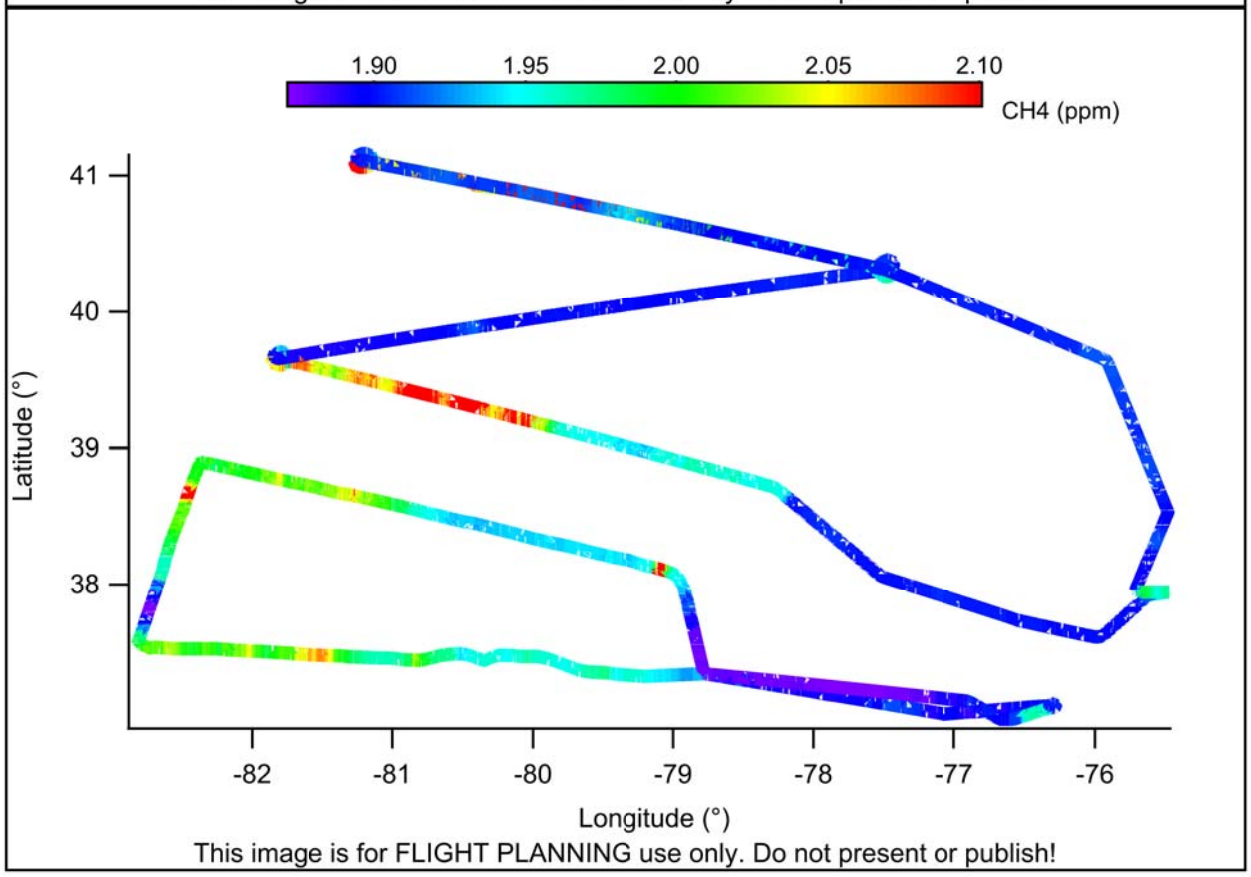

0.06
0.07
0.08
0.09
0.10
0.11
0.12
CO (ppm)
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
-82
-81
-80
-79
-78
-77
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

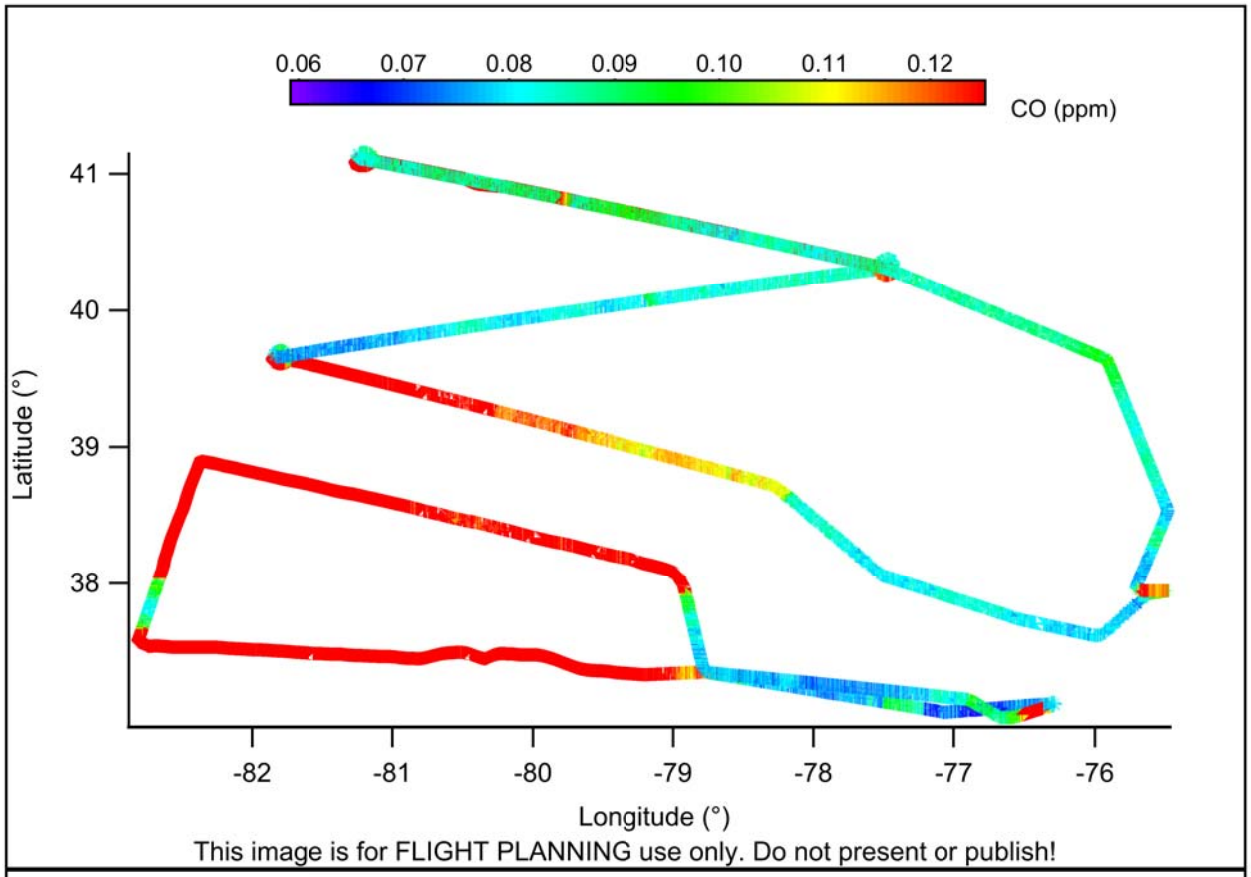

2
4
6
8
10
12
14
H2O_gkg (g/kg)
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
-82
-81
-80
-79
-78
-77
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

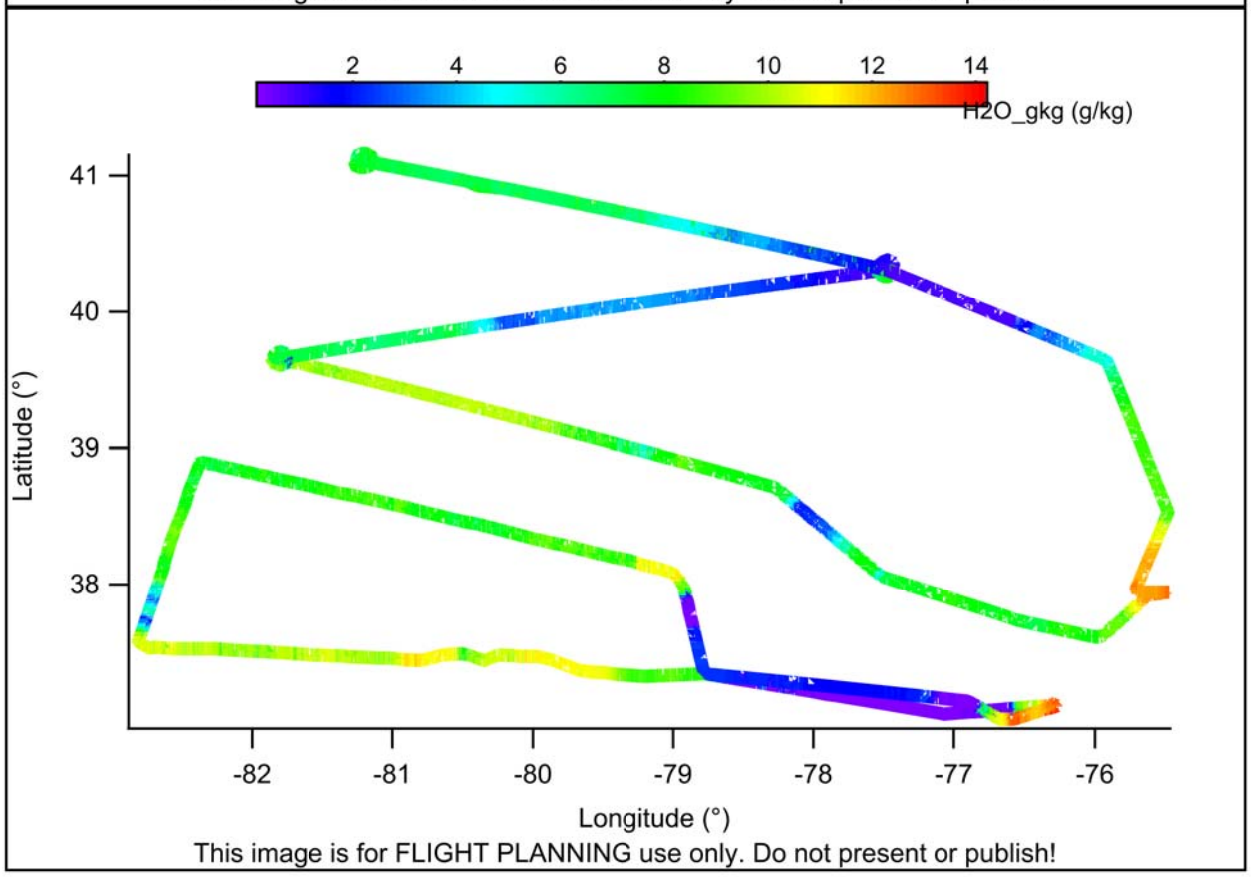

-30
-20
-10
0
10
DP (°C)
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
-82
-81
-80
-79
-78
-77
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!

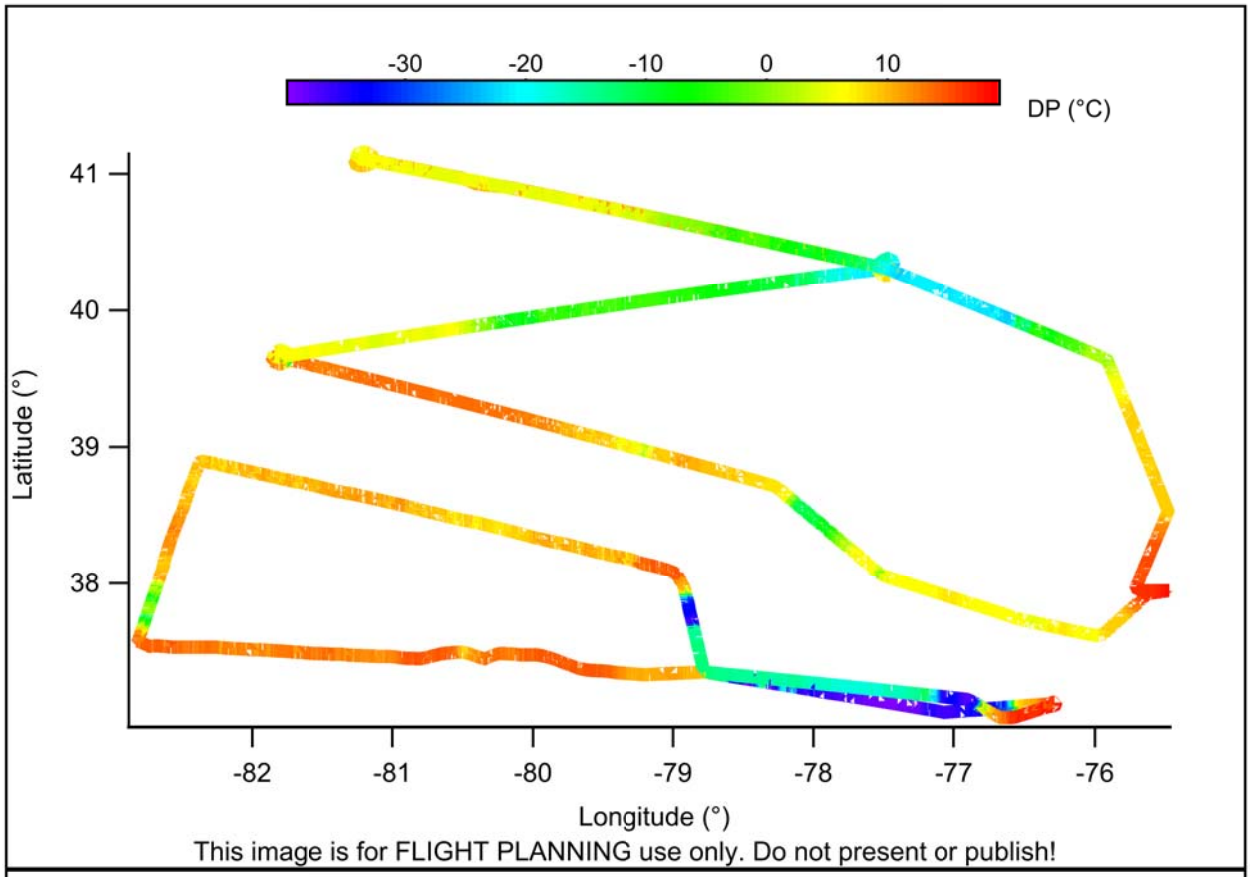

0
20
40
60
80
O3 (ppb)
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
-82
-81
-80
-79
-78
-77
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


405
410
415
420
CO2 (ppm)
41
40
39
38
Latitude (°)
-82
-81
-80
-79
-78
-77
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


1.90
1.95
2.00
2.05
2.10
CH4 (ppm)
41
40
39
38
Latitude (°)
-82
-81
-80
-79
-78
-77
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


0.06
0.07
0.08
0.09
0.10
0.11
0.12
CO (ppm)
41
40
39
38
Latitude (°)
-82
-81
-80
-79
-78
-77
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


2
4
6
8
10
12
14
H2O_gkg (g/kg)
41
40
39
38
Latitude (°)
-82
-81
-80
-79
-78
-77
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


-30
-20
-10
0
10
DP (°C)
41
40
39
38
Latitude (°)
-82
-81
-80
-79
-78
-77
-76
Longitude (°)
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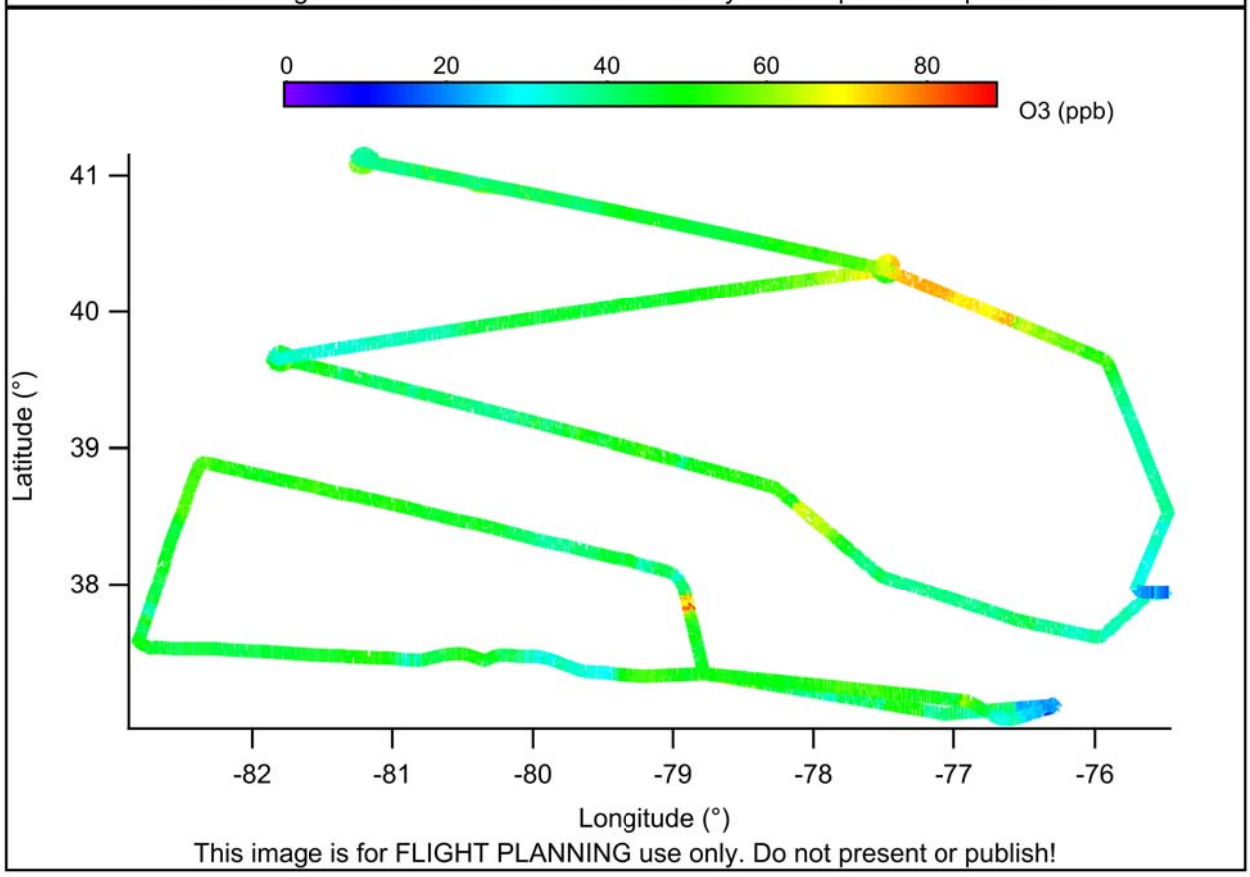
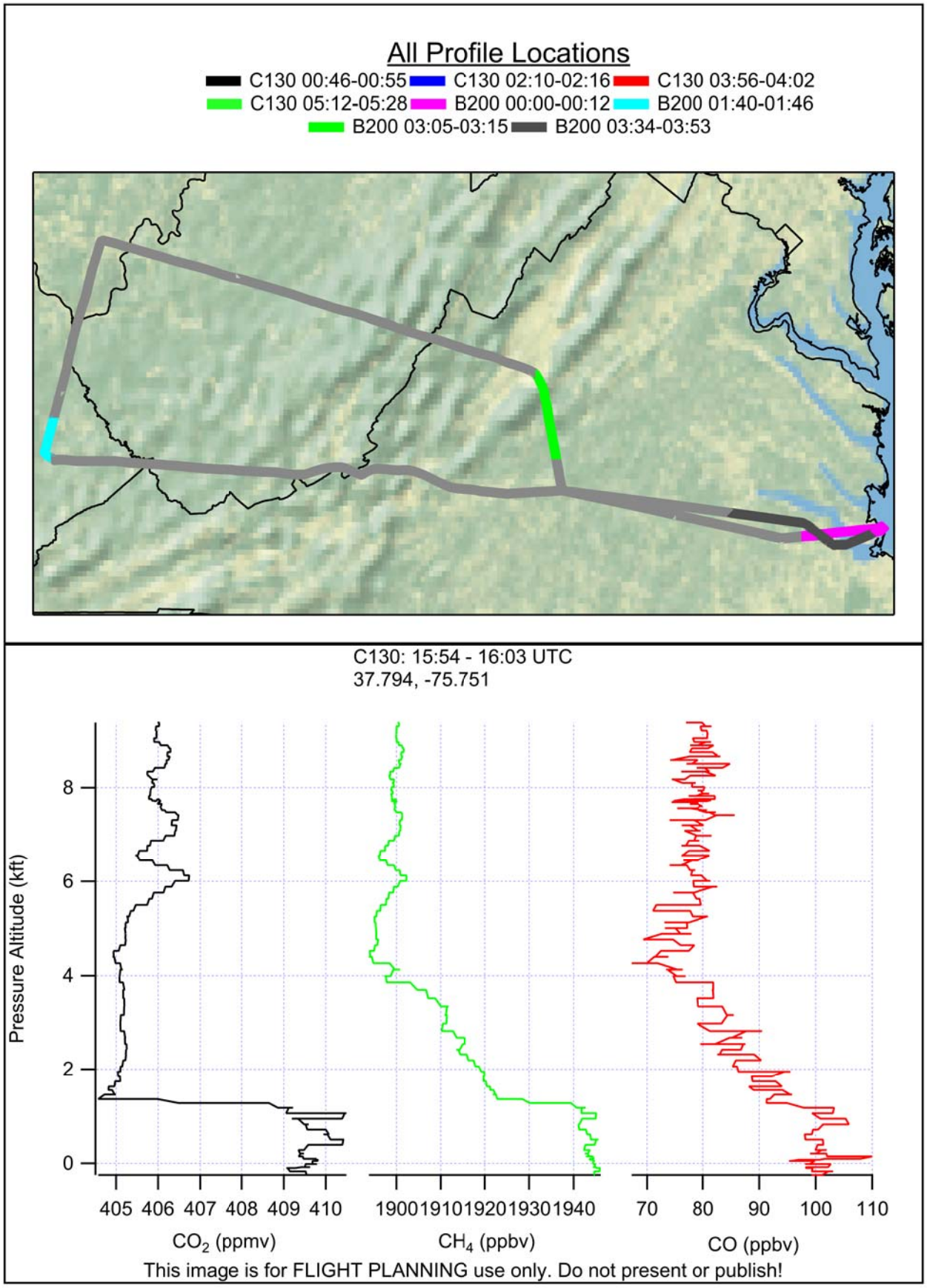
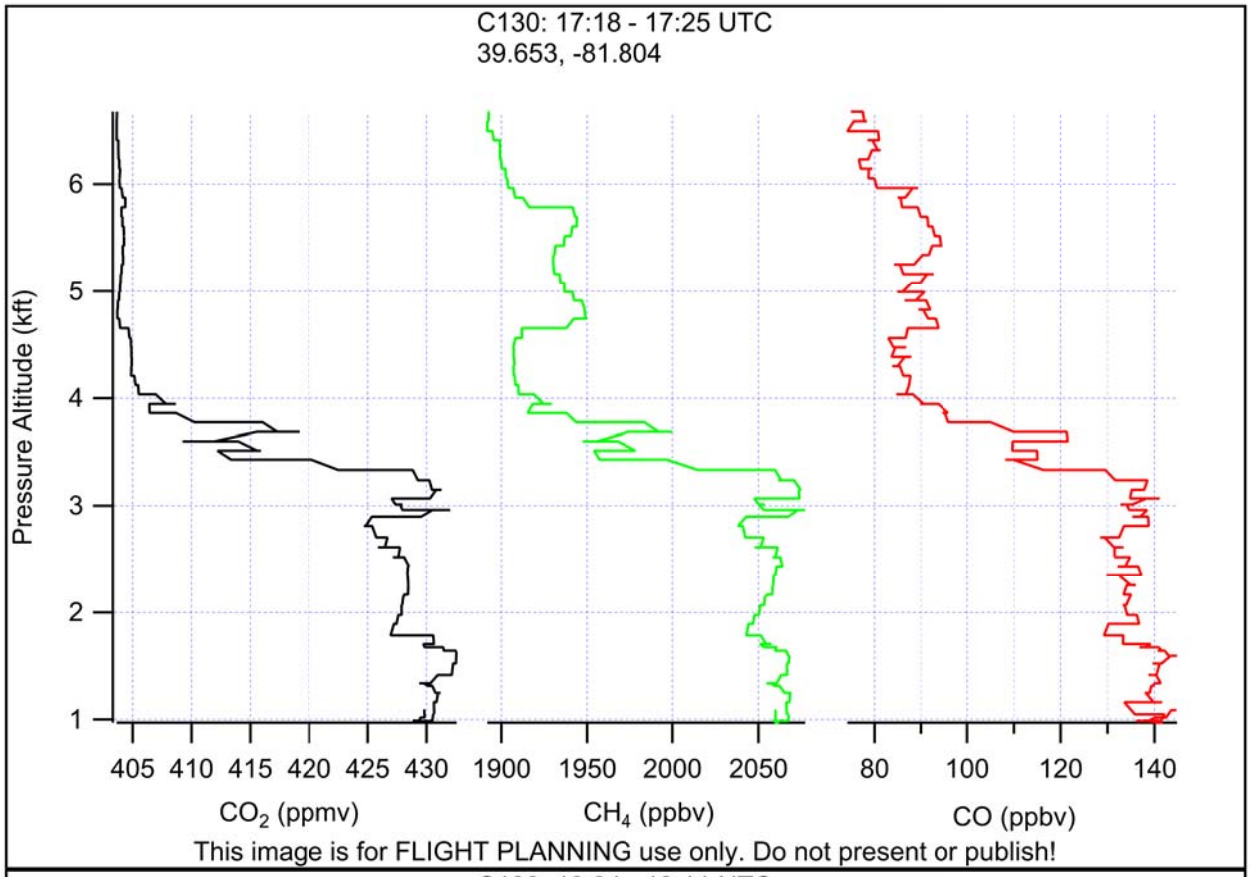
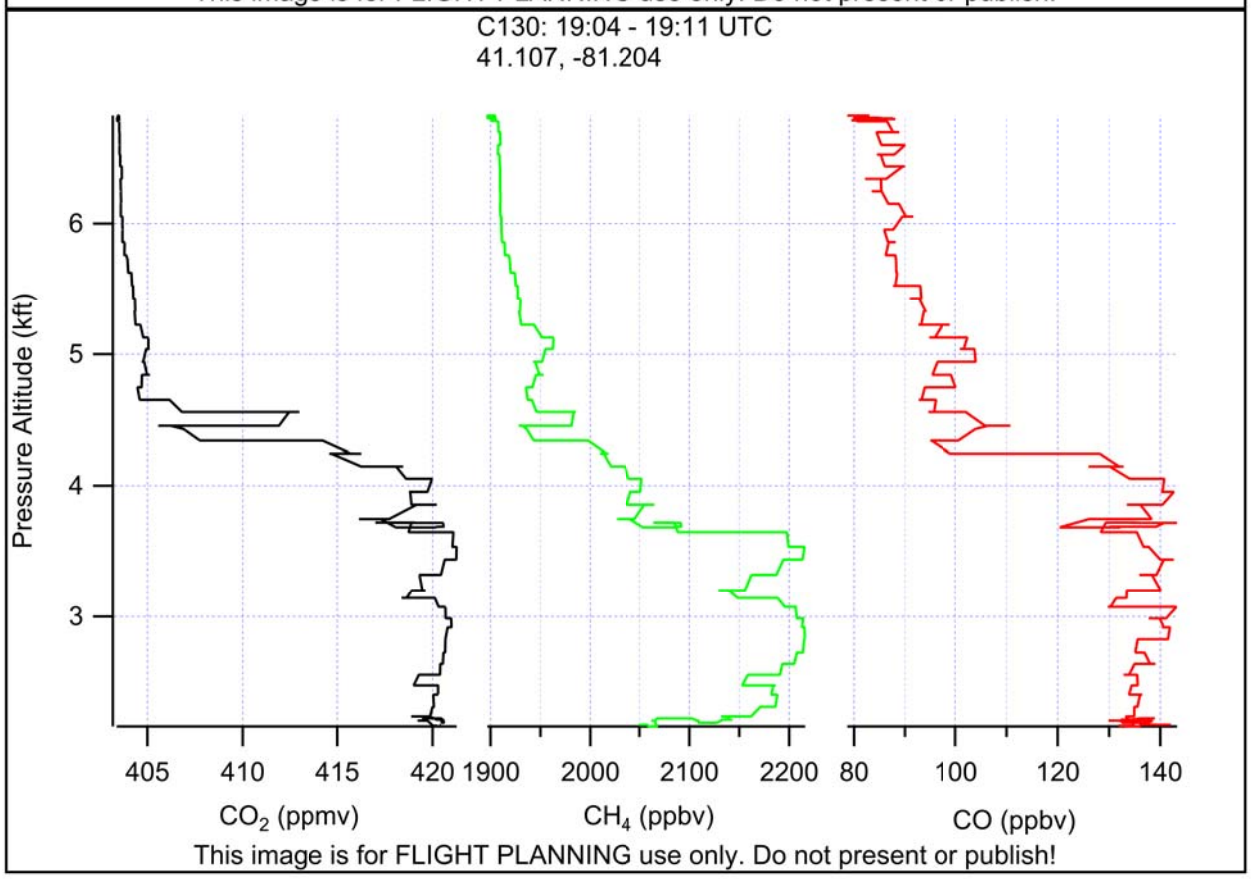

0
20
40
60
80
O3 (ppb)
41
40
39
38
Latitude (°)
-82
-81
-80
-79
-78
-77
-76
Longitude (°)
This image is for FLIGHT PLANNING use only. Do not present or publish!


All Profile Locations
C130 00:46-00:55
C130 02:10-02:16
C130 03:56-04:02
C130 05:12-05:28
B200 00:00-00:12
B200 01:40-01:46
B200 03:05-03:15
B200 03:34-03:53
C130: 15:54 - 16:03 UTC
37.794, -75.751
Pressure Altitude (kft)
0
2
4
6
8
405 406 407 408 409 410
CO2 (ppmv)
1900 1910 1920 1930 1940
CH4 (ppbv)
70 80 90 100 110
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 17:18 - 17:25 UTC
39.653, -81.804
Pressure Altitude (kft)
1
2
3
4
5
6
405 410 415 420 425 430
CO2 (ppmv)
1900 1950 2000 2050
CH4 (ppbv)
80 100 120 140
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 19:04 - 19:11 UTC
41.107, -81.204
Pressure Altitude (kft)
3
4
5
6
405 410 415 420
CO2 (ppmv)
1900 2000 2100 2200
CH4 (ppbv)
80 100 120 140
CO (ppbv)
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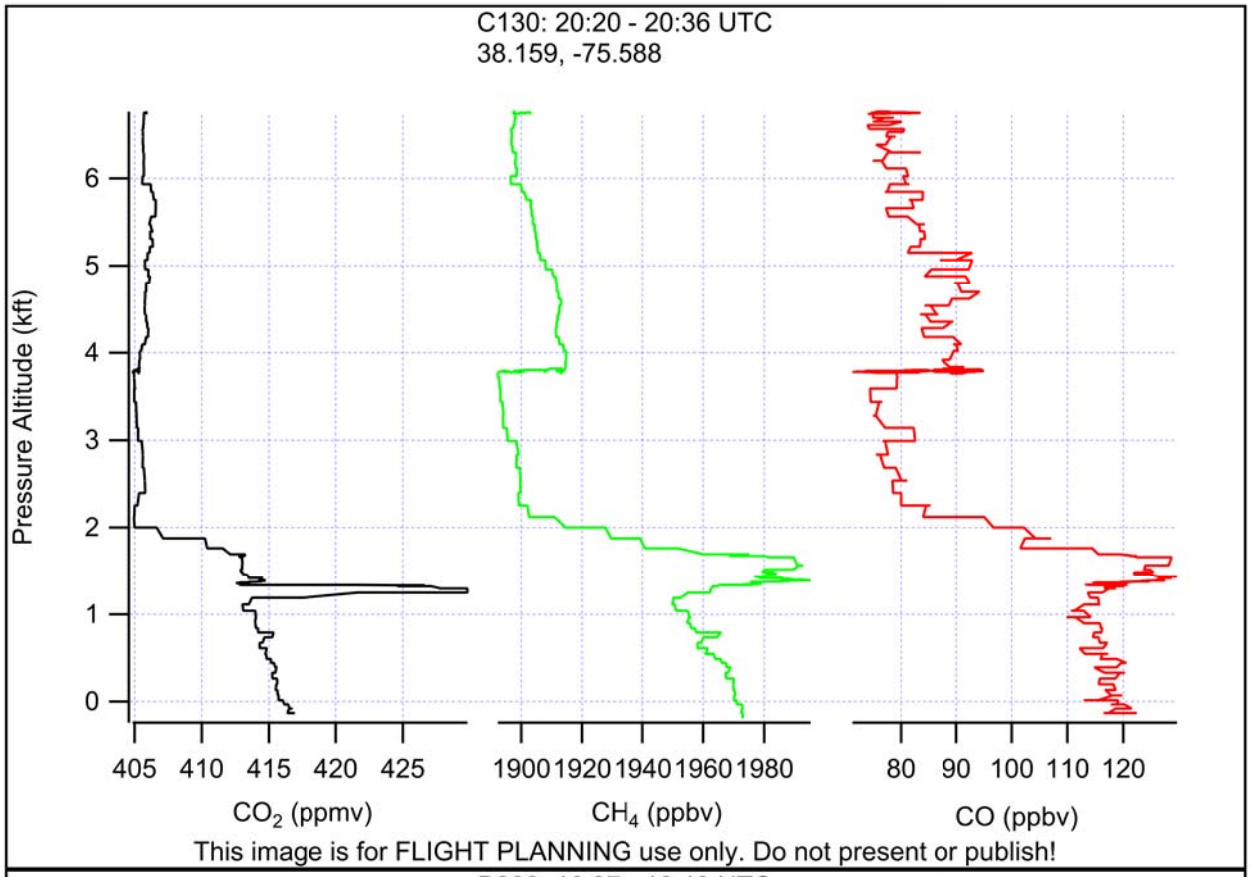
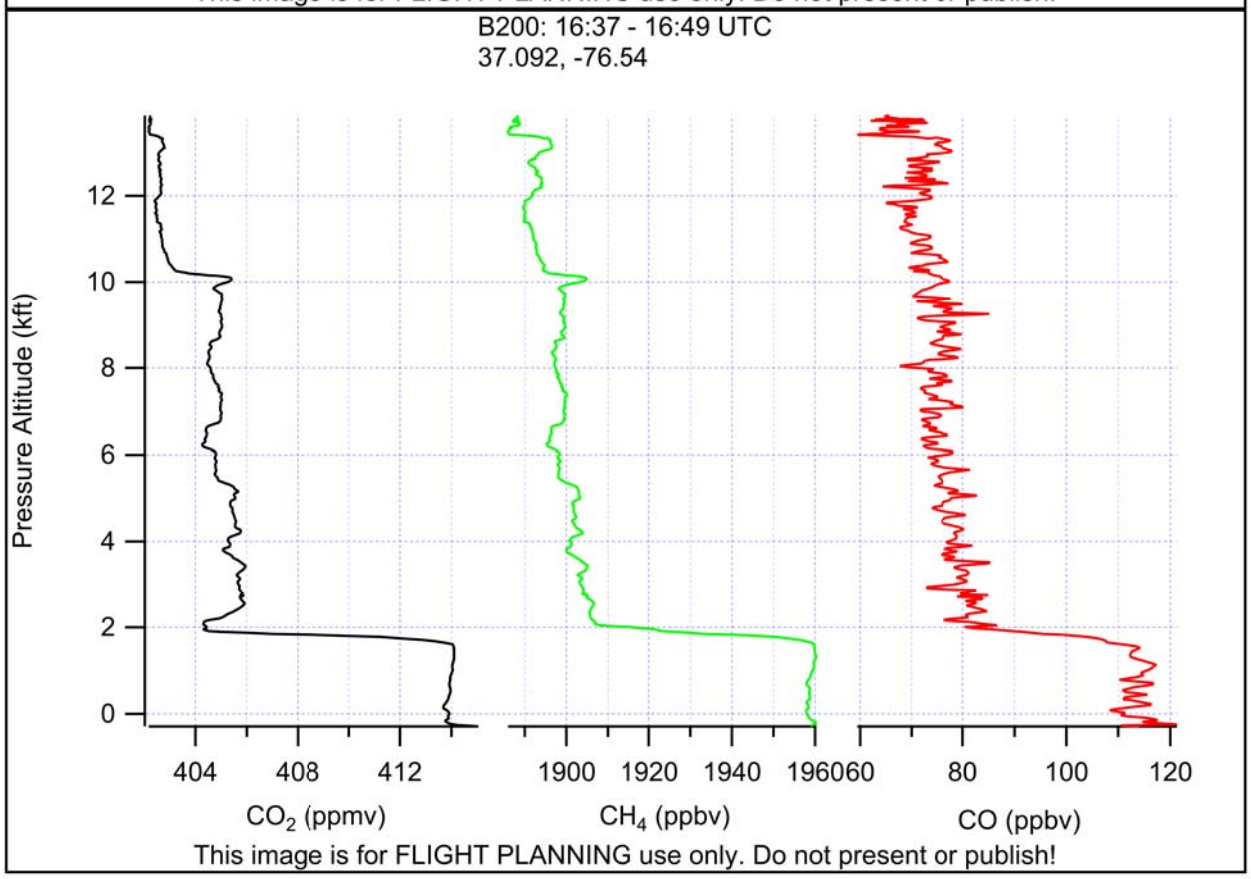
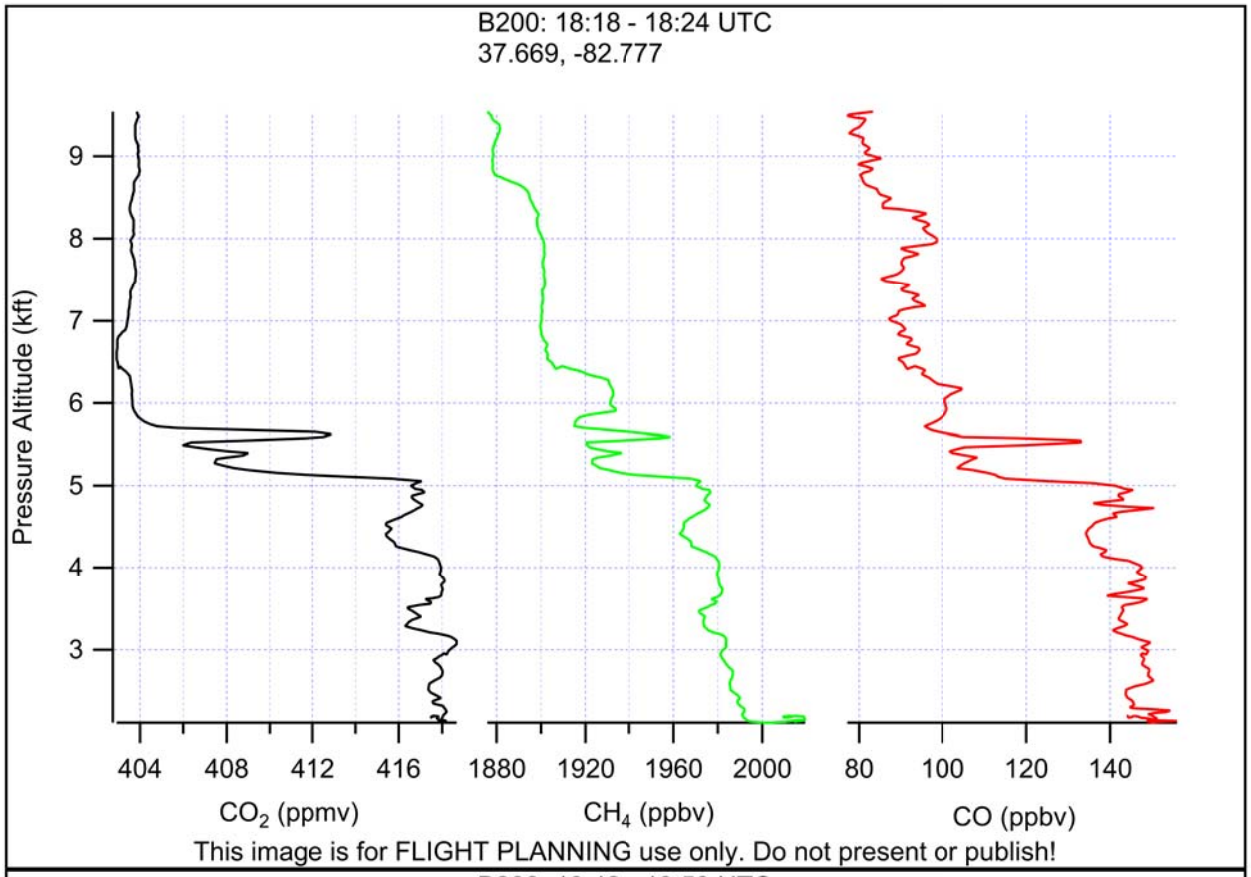

C130: 20:20 - 20:36 UTC
38.159, -75.588
Pressure Altitude (kft)
0
1
2
3
4
5
6
405 410 415 420 425
CO2 (ppmv)
1900 1920 1940 1960 1980
CH4 (ppbv)
80 90 100 110 120
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 16:37 - 16:49 UTC
37.092, -76.54
Pressure Altitude (kft)
0
2
4
6
8
10
12
404 408 412
CO2 (ppmv)
1900 1920 1940 1960
CH4 (ppbv)
60 80 100 120
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 18:18 - 18:24 UTC
37.669, -82.777
Pressure Altitude (kft)
9
8
7
6
5
4
3
404
408
412
416
CO2 (ppmv)
1880
1920
1960
2000
CH4 (ppbv)
80
100
120
140
CO (ppbv)
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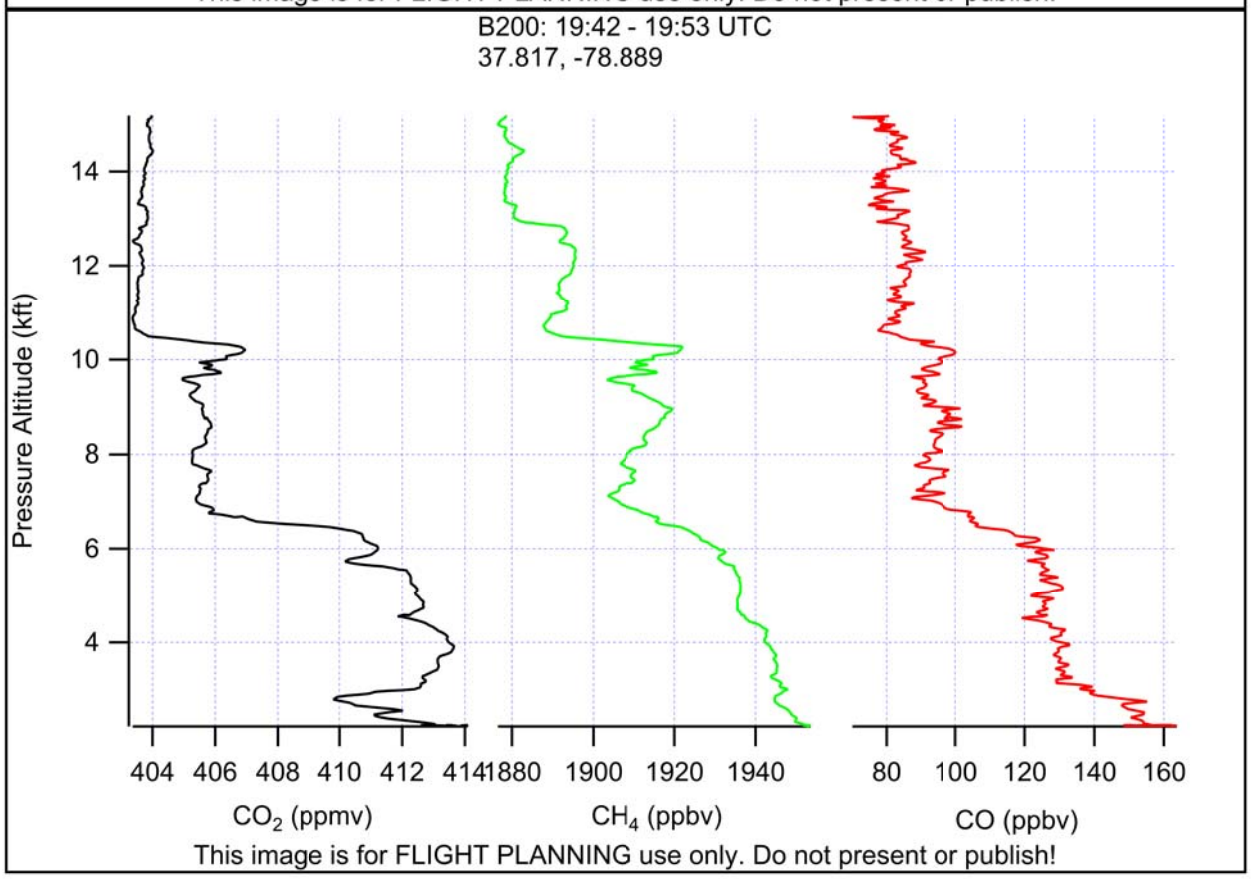
B200: 19:42 - 19:53 UTC
37.817, -78.889
Pressure Altitude (kft)
14
12
10
8
6
4
404
406
408
410
412
414
CO2 (ppmv)
1880
1900
1920
1940
CH4 (ppbv)
80
100
120
140
160
CO (ppbv)
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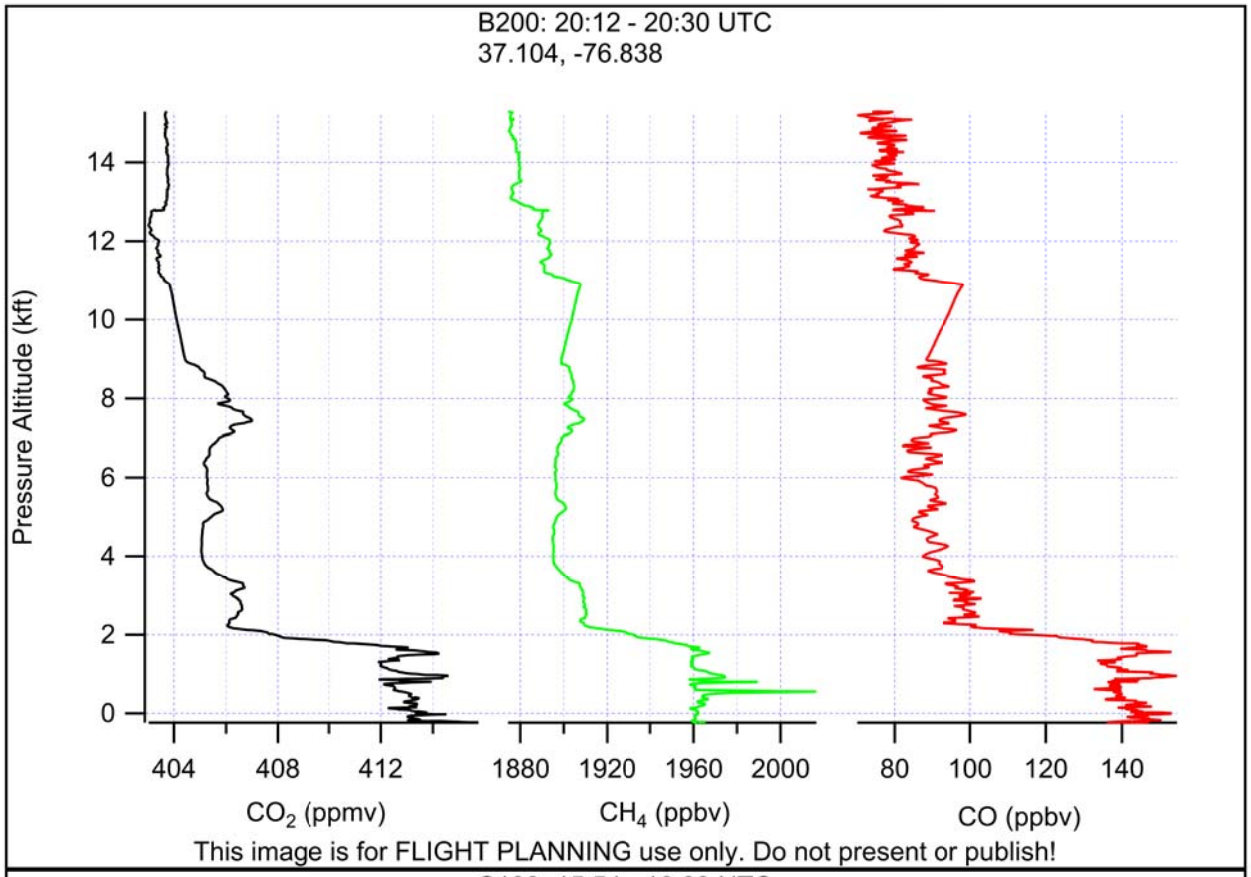
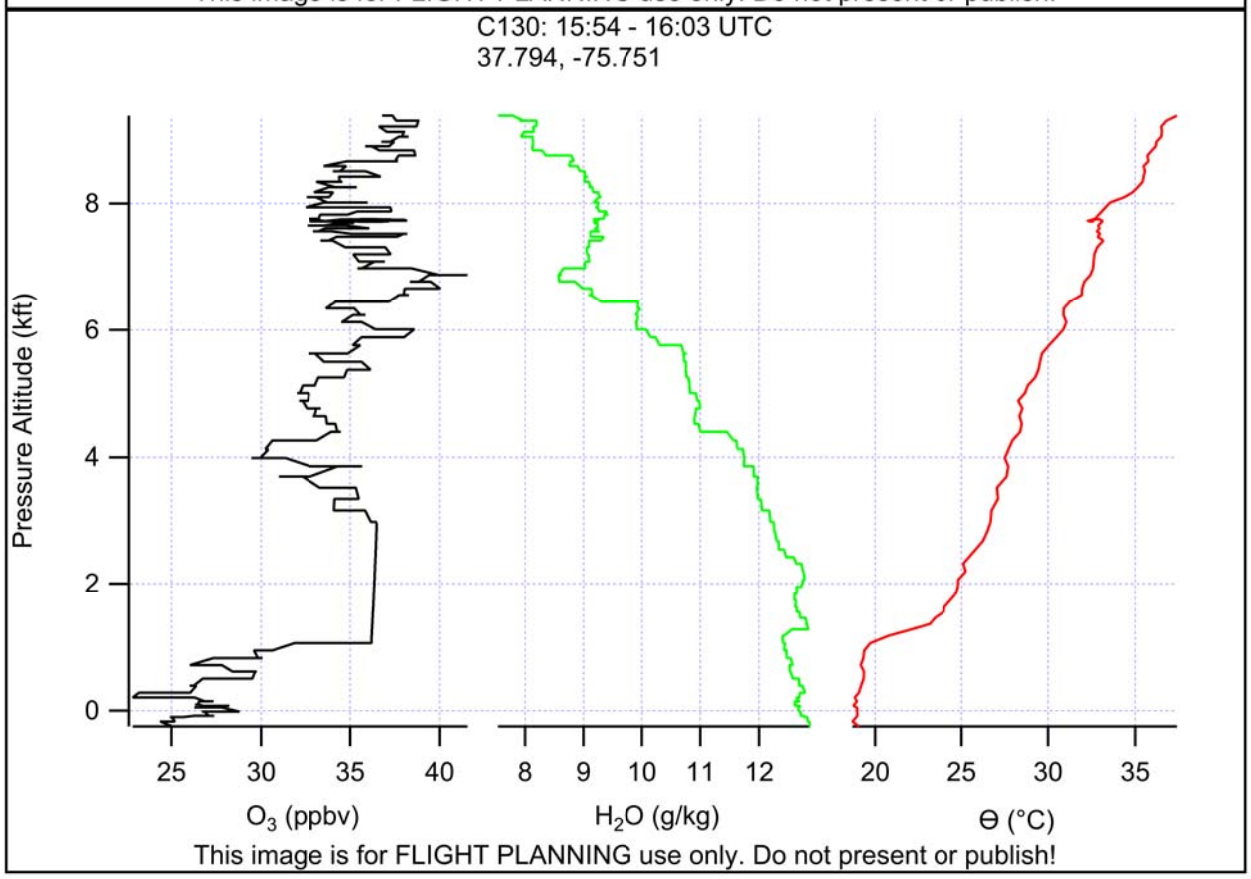
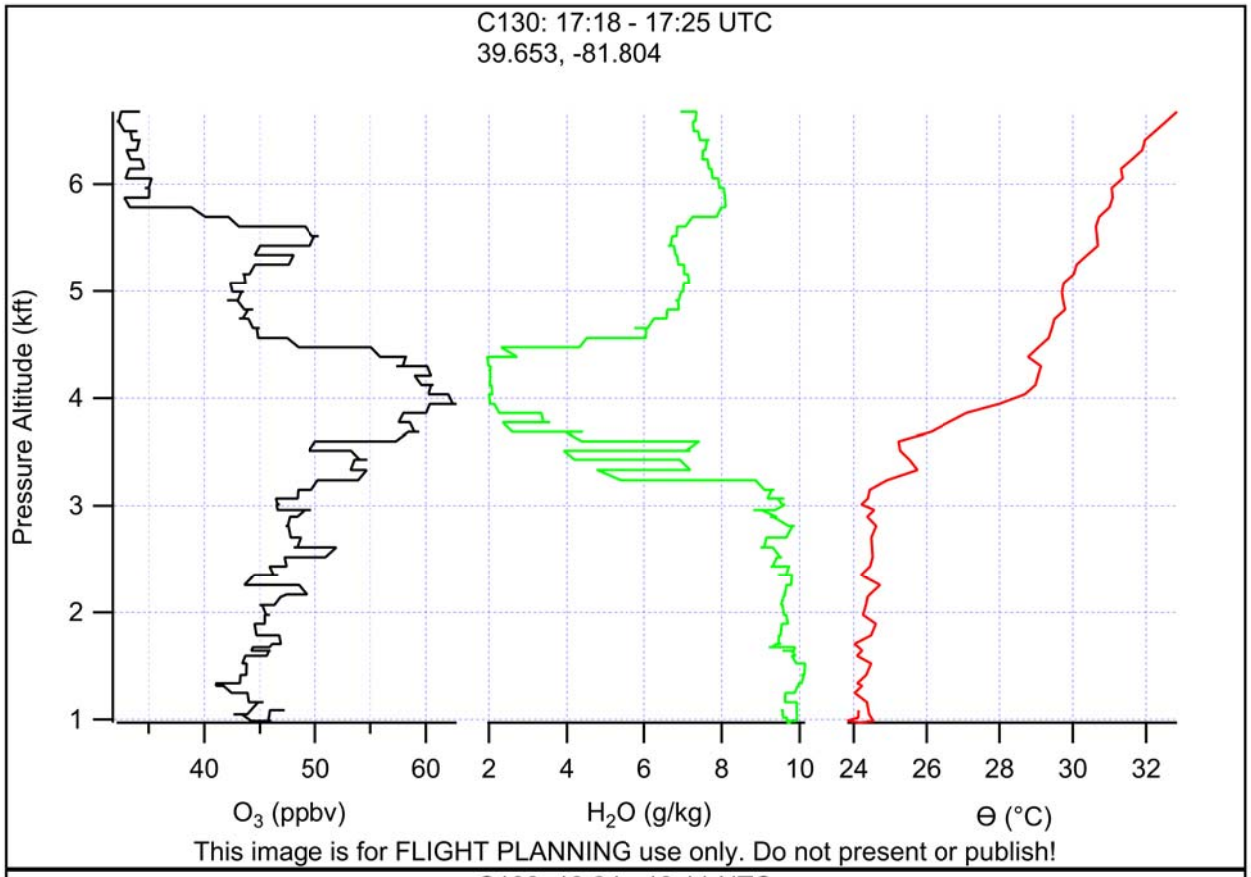
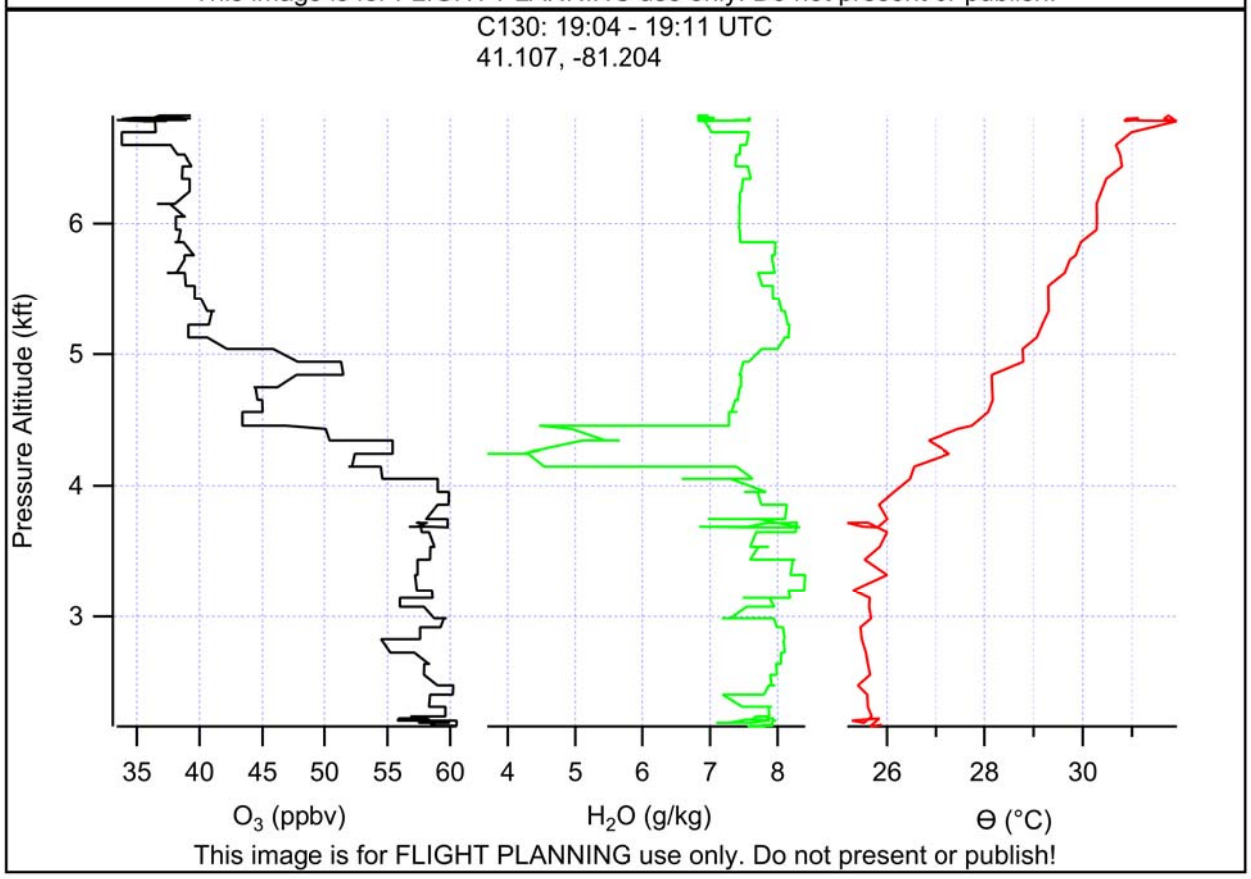
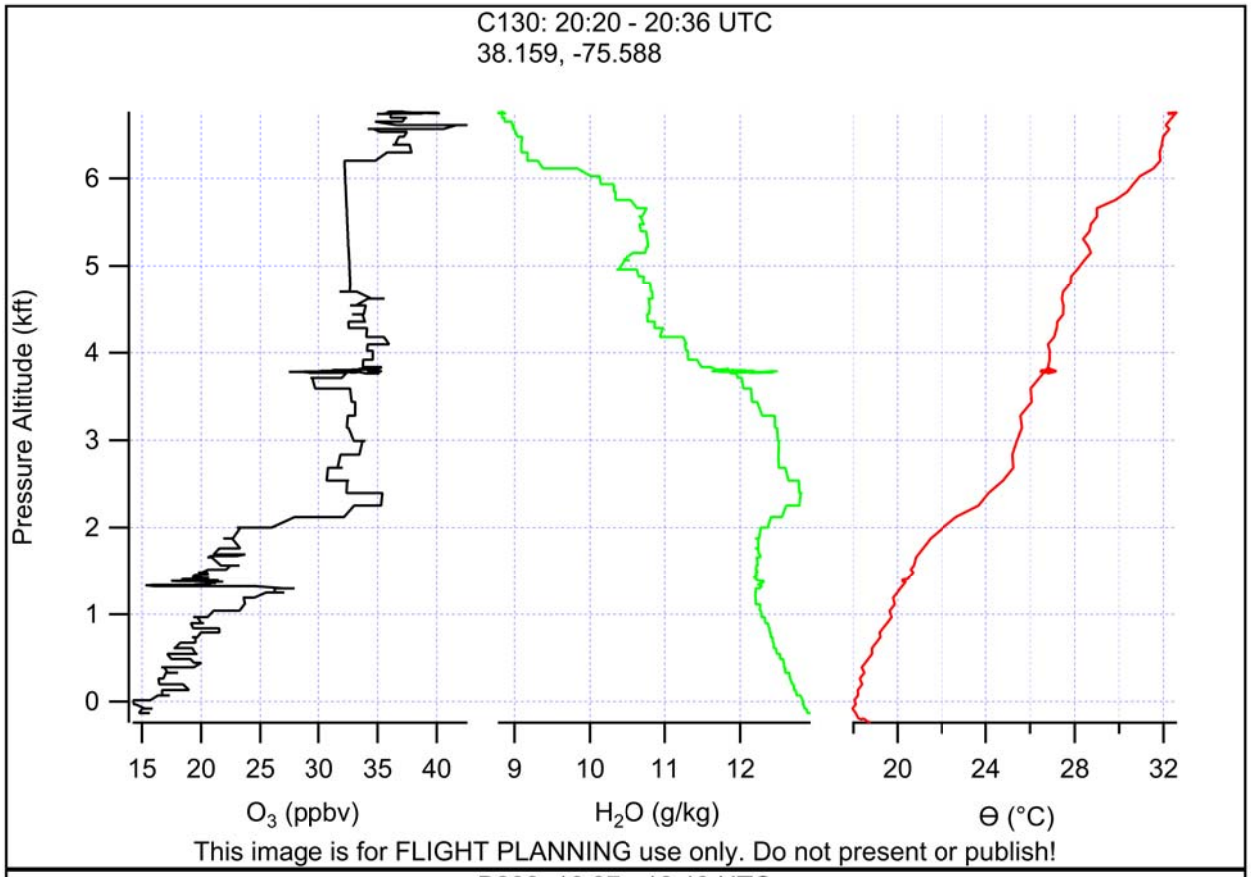
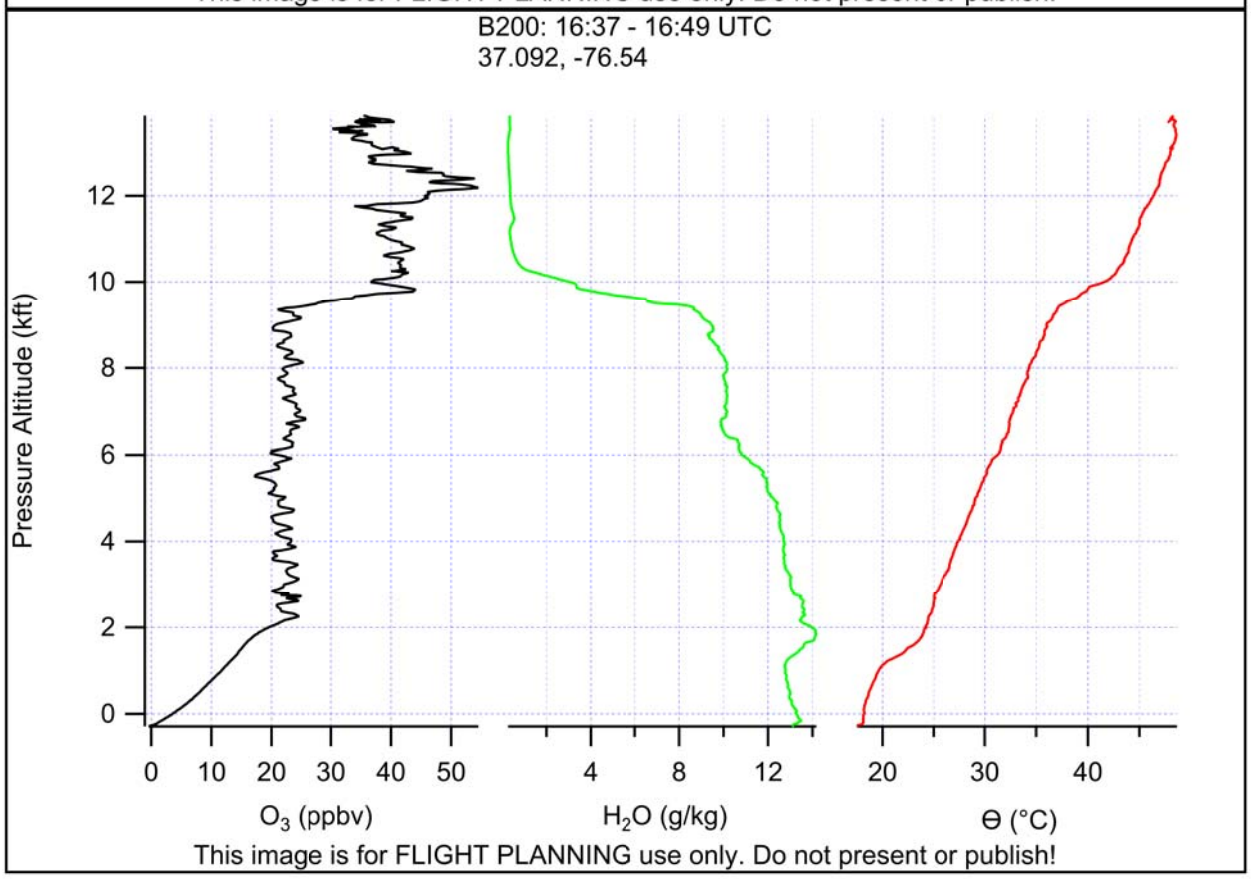

B200: 20:12 - 20:30 UTC
37.104, -76.838
Pressure Altitude (kft)
0
2
4
6
8
10
12
14
404
408
412
CO2 (ppmv)
1880
1920
1960
2000
CH4 (ppbv)
80
100
120
140
CO (ppbv)
This image is for FLIGHT PLANNING use only. Do not present or publish!

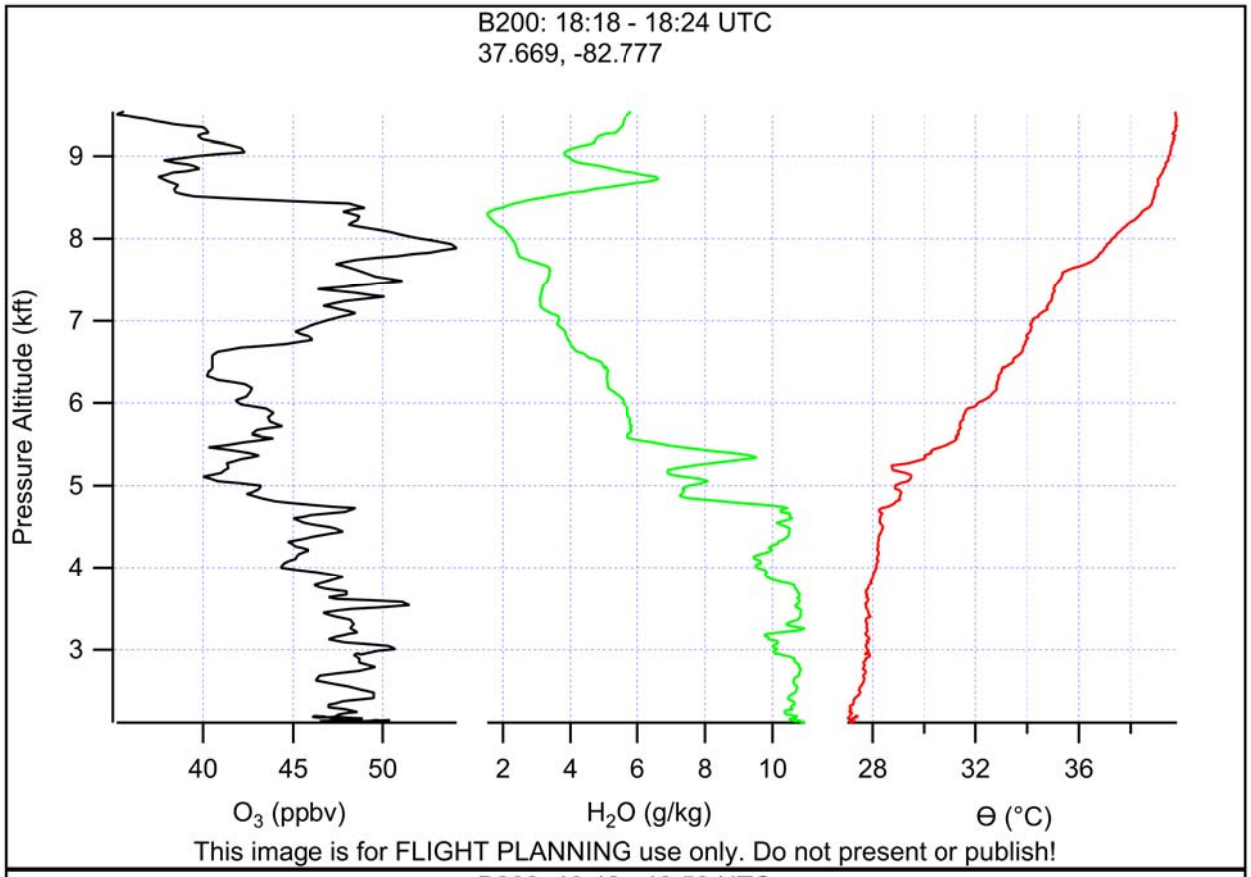

C130: 15:54 - 16:03 UTC
37.794, -75.751
Pressure Altitude (kft)
0
2
4
6
8
25
30
35
40
O3 (ppbv)
8
9
10
11
12
H2O (g/kg)
20
25
30
35
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!

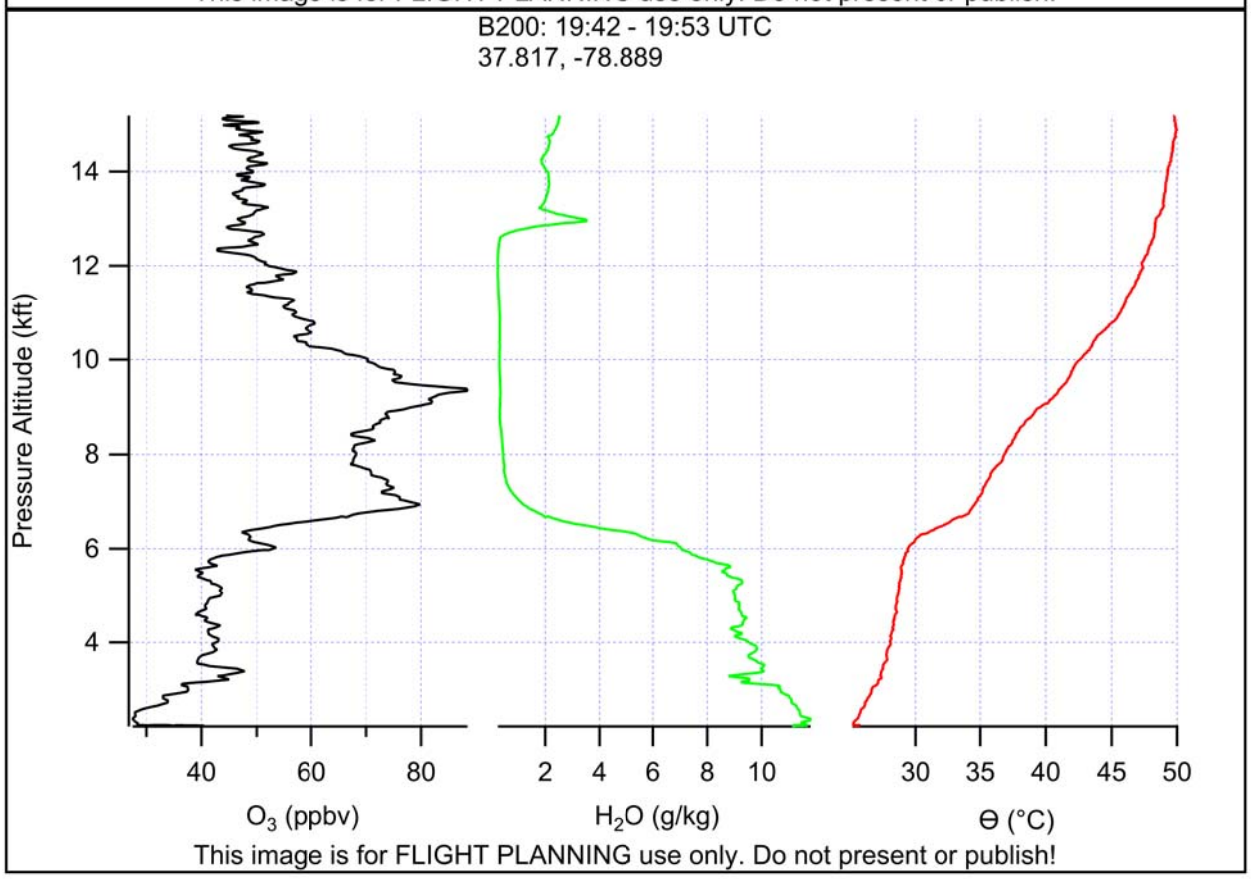

C130: 17:18 - 17:25 UTC
39.653, -81.804
Pressure Altitude (kft)
1
2
3
4
5
6
40
50
60
2
4
6
8
10
24
26
28
30
32
O3 (ppbv)
H2O (g/kg)
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 19:04 - 19:11 UTC
41.107, -81.204
Pressure Altitude (kft)
3
4
5
6
35
40
45
50
55
60
4
5
6
7
8
26
28
30
O3 (ppbv)
H2O (g/kg)
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


C130: 20:20 - 20:36 UTC
38.159, -75.588
Pressure Altitude (kft)
0
1
2
3
4
5
6
15 20 25 30 35 40
O3 (ppbv)
9 10 11 12
H2O (g/kg)
20 24 28 32
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 16:37 - 16:49 UTC
37.092, -76.54
Pressure Altitude (kft)
0
2
4
6
8
10
12
0 10 20 30 40 50
O3 (ppbv)
4 8 12
H2O (g/kg)
20 30 40
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 18:18 - 18:24 UTC
37.669, -82.777
Pressure Altitude (kft)
9
8
7
6
5
4
3
40
45
50
O3 (ppbv)
2
4
6
8
10
H2O (g/kg)
28
32
36
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!


B200: 19:42 - 19:53 UTC
37.817, -78.889
Pressure Altitude (kft)
14
12
10
8
6
4
40
60
80
O3 (ppbv)
2
4
6
8
10
H2O (g/kg)
30
35
40
45
50
Θ (°C)
This image is for FLIGHT PLANNING use only. Do not present or publish!